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وزارة المواصلات
مديرية الطيران المدني العامة
مديرية الأنواء الجوية
شعبة الخصائص المناخية

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كانون الثاني ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR JANUARY 1960

مجلد ٢٣ عدد (١) كانون الثاني ١٩٦٠

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GEOGRAPHICAL DATAS of records for the different observation stations.

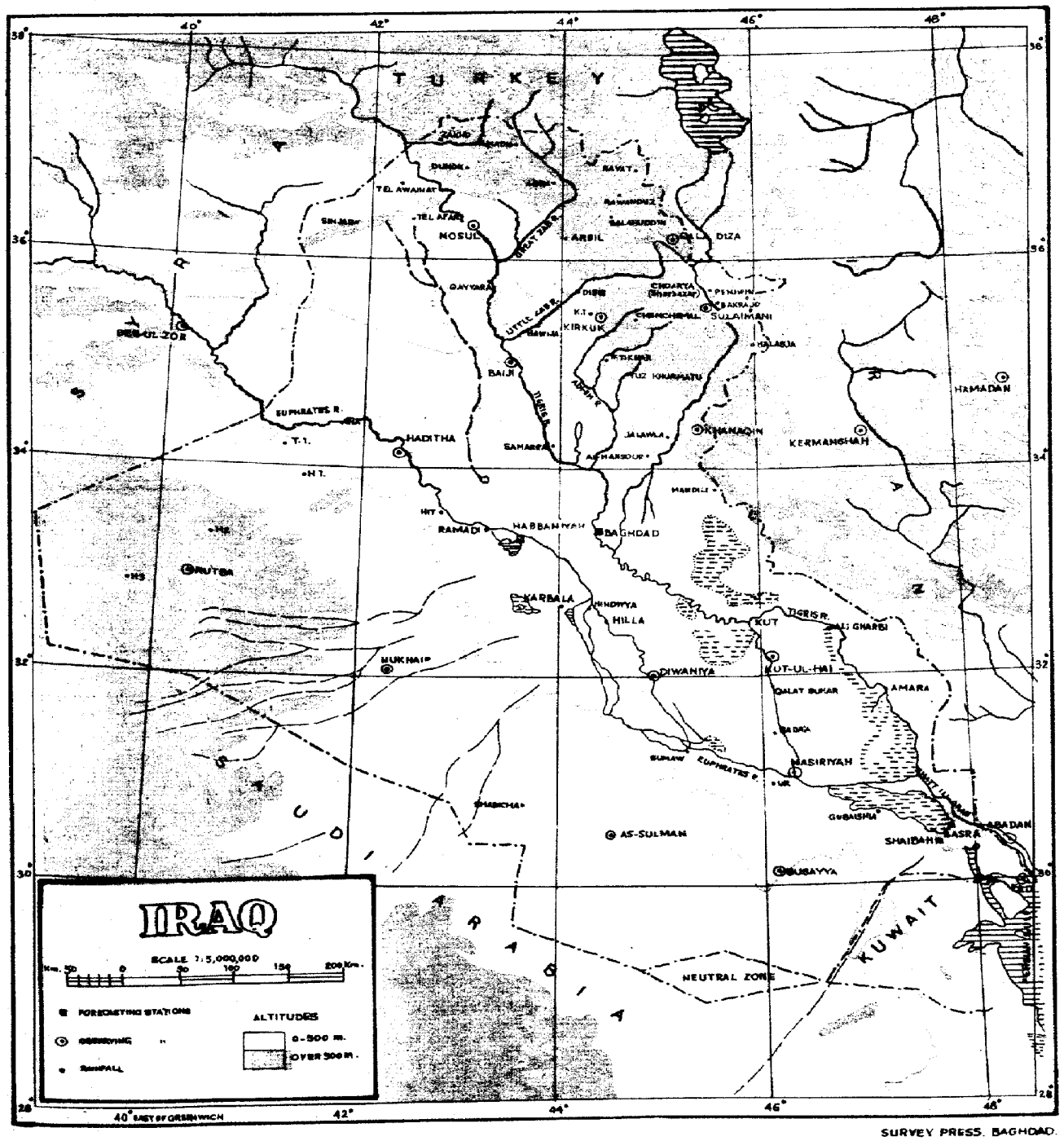
STATION	LATITUDE N.	LONGITUDE E.	HEIGHT ABOVE MSL (Meters)
MOSUL	36 19 N.	43 09 E	222.6 M.
KIRKUK	35 28	44 24	330.8
KHANAQIN	34 18	45 26	201.2
BAGHDAD	33 20	44 24	34.1
HABBANIYA	33 22	43 34	43.6
RUTBAH	33 02	40 17	615.5
HAI	32 10	46 03	14.9
DIWANIYA	31 59	44 59	20.4
NASIRIYA	31 01	46 14	3.0
BASRAH	30 34	47 47	2.4

SELECTED STATIONS

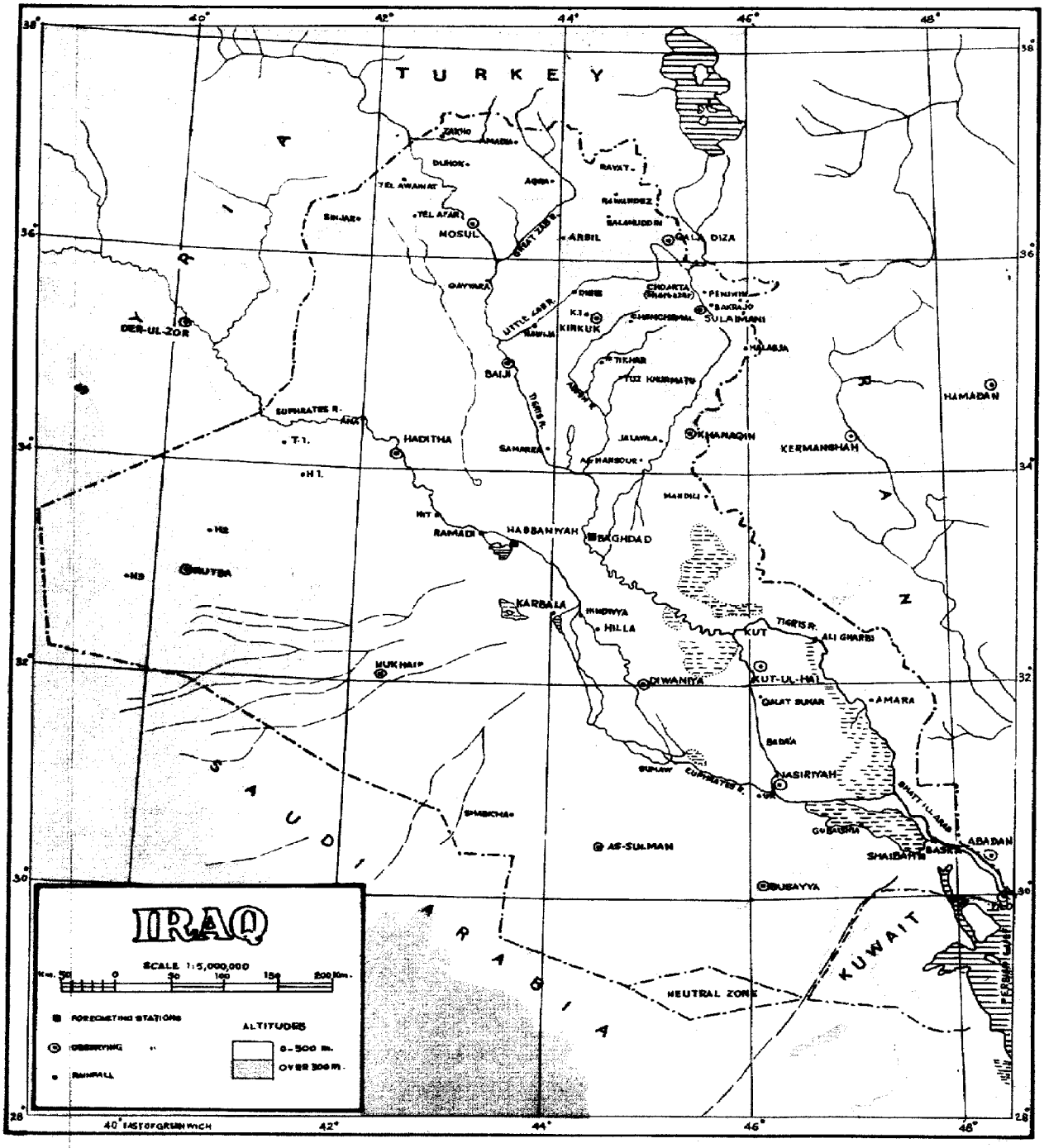
STATION	LATITUDE N.	LONGITUDE E.	HEIGHT ABOVE MSL (Meters)
ZAKHO	37 08 N.	42 41 E.	442 M.
AMADIA	37 05	43 30	1236
RAWANDUZ	36 37	44 33	1006
AQRA	36 45	43 53	716
TEL AWAINAT	36 41	42 24	346
SINJAR	36 19	41 50	476
TELAAFAR	36 22	42 28	273
QAYARA	35 48	43 17	180
ARBIL	36 11	44 00	414
CHAMCHMAL	35 32	44 51	701
SULAIMANIYA	35 33	45 27	853
PENJWIN	35 37	45 58	1311
BACKRAJO	35 34	45 23	750
HALABJA	35 11	45 59	724
IFTIKHAR	35 03	44 27	204
CHUARTA	35 44	45 33	1356
SALAHDDIN	36 37	44 13	1088
RAYAT	36 41	44 57	2610
SANAT	36 46	42 48	-
DUHOK	36 52	43 02	860
MIRZARUSTAM	36 03	44 58	459
SHAQLAWA	36 23	44 20	-
SIRSANK	36 58	43 32	1046
BINKIRD	36 03	45 03	708
TUZ	34 53	44 39	220
ANA	34 28	41 27	-
DIALA (SEDOUR)	34 05	45 01	68
JALAWLAA	34 16	45 09	119
HIT	33 38	42 50	58
KARBALAA	32 37	44 01	29

GEOGRAPHICAL DATAS (Continued)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT ABOVE MSL (Meters)
HINDIYA	32 42 N.	44 17 E.	[illegible]
HILLA	32 29	44 26	[illegible]
KUT	32 30	45 [illegible]	[illegible]
MANDILY	33 45	45 [illegible]	[illegible]
NUKHAIB	32 02	42 [illegible]	[illegible]
AMARA	31 51	47 [illegible]	[illegible]
SHABICHA	30 42	43 [illegible]	[illegible]
SAMAWA	31 18	45 [illegible]	6
BADAA	31 26	46 [illegible]	[illegible]
UR	30 58	46 08	[illegible]
GHABISHIYA	30 44	47 05	[illegible]
MAIQIL	30 34	47 47	[illegible]
FAO	29 59	48 30	[illegible]
DIBIS	35 41	44 05	[illegible]
BAIJI	34 56	43 29	[illegible]
SAMIRRAA	34 11	43 50	65
RUMADI	33 25	43 17	[illegible]
HADITHA	34 04	42 22	[illegible]
HAWIJAH	35 31	44 18	305
ALI AL GHARBI	32 28	46 41	[illegible]
SALMAN	30 28	44 43	202
GALALA	36 37	44 49	[illegible]
BILLI (ZIBAR)	36 52	44 04	400
DIANA	36 39	44 33	700
TAQ-TAQ	35 53	44 35	300
IFRAZ	36 23	43 48	[illegible]
QADIR-KARAM	35 11	44 53	380
KIFRI	34 42	44 58	[illegible]
KOISANJAQ	36 05	44 48	[illegible]
FATHA	35 03	43 34	[illegible]



SURVEY PRESS. BAGHDAD.



SURVEY PRESS, BAGHDAD.

GENERAL SITUATION FOR JANUARY 1960

J A N U A R Y 1960 WARM AND RAINY MONTH

The first two days of the month were unsettled owing to the persistence of low pressure over Iraq, advanced from West, caused general rain, accompanied with thunderstorms and dust storms.

The period from the 3rd to 21st was settled except on the 6th and 7th [illegible] in the Eastern Mediterranean caused [illegible] winds which were strong at times with slight amounts of rain.

Unsettled weather occurred from 22nd and 23rd owing to the depression [illegible] Iraq which caused showers followed by fine and [illegible] up to the end of month, except [illegible] a passage of cold front caused showers on south of Iraq.

TEMPERATURES :

The maximum and minimum temperatures were above normal as example :

STATION	[illegible] 1960	NORMAL
BAGHDAD	[illegible]	[illegible]
MOSUL	[illegible]	[illegible]
BASRAH	[illegible]	[illegible]

RAINFALL:

The total rainfall for this month was above normal in Baghdad, Kirkuk, Hai and Diwaniya [illegible] more than the total of of same month of last year :

STATION	YEAR 1960	YEAR 1959	NORMAL
BAGHDAD	28.2 mms	4.6 mms	23.4 mms.
KIRKUK	68.6 mms.	9.3 mms.	61.7 mms.
HAI	29.7 mms.	6.6 mms.	22.8 mms.
DIWANIYA	83.7 mms.	15.8 mms.	6.3 mms.

[illegible] من شهر كانون الثاني [illegible]

كانون الثاني ١٩٦٠ شهر دافئ و ممطر

كان الجو في اليومين الاولين منه غير مستقر بسبب تكون منخفض جوي فوق العراق قادما من الغرب ادى الى حدوث زوابع رعدية مصحوبة بمطر بصورة عامة ، اعقب ذلك استقرار وتحسن في الجو استمر من ٣ ـ ٢١ منه عدا يومي ٦ و ٧ منه حيث هبت رياح جنوبية شرقية من جراء تكون منخفض جوي في الجبهة الشرقية من البحر الابيض المتوسط وقد كانت الرياح خفيفة او شديدة احيانا الا ان سقوط المطر كان قليلا .

في ٢٢ و ٢٣ منه تكون منخفض جوي في المنطقة الشمالية من القطر سبب هطول زخات من المطر اعقبه تحسن في الجو استمر الى نهاية الشهر عدا يوم [illegible] منه حيث اثر الانخفاض في الضغط الجوي على [illegible] العراق صحبه هطول مطر [illegible]

درجات الحرارة :

كانت درجات الحرارة العظمى و الصغرى فوق المعدل مثلا :

المحطة	سنة ١٩٦٠	المعدل
بغداد	١٨ر٥	١٥ر٧
موصل	١٤ر٦	١٢ر٤
بصرة	٢١ر١	١٨ر٢

الامطار :

كان مجموع المطر فوق المعدل لهذا الشهر في كل من بغداد و كركوك و الحي والديوانية و اكثر مما يقابلها من السنة الماضية . والاتي بيانه :

المحطة	سنة ١٩٦٠	سنة ١٩٥٩	المعدل
بغداد	٢٨ر٢ ملم	٤ر٦ ملم	٢٣ر٤ ملم
كركوك	٦٨ر٦	٩ر٣	٦١ر٧
حي	٢٩ر٧	٦ر٦	٢٢ر٨

GENERAL SITUATION (CONT.)

While the total of rain was below normal in Mosul, Khanaqin, Rutbah, Nasiriya, Basrah and Habbaniya:

STATION	YEAR 1960	YEAR 1959	NORMAL
MOSUL	57.1 mms.	29.7 mms.	67.9 mms.
KHANAQIN	25.1 mms.	9.1 mms.	60.8 mms.
Rutbah	9.0 mms.	5.3 mms.	16.0 mms.
Basrah	9.8 mms.	23.7 mms.	27.1 mms.
Nasiriya	9.7 mms.	17.8 mms.	15.4 mms.

PRESSURE :

The pressure was above normal, also above mean of same month of last year of all areas as example :

STATION	YEAR 1960	NORMAL	YEAR 1959
BAGHDAD	1020.6 mbs	1019.3 mbs	1919.3 mbs.
MOSUL	1021.9 mbs	1020.1 mbs	1020.7 mbs.
Basrah	1019.9 mbs	1018.5 mbs	1019.4 mbs.

نبذة لمحة من الشهر كانون الثاني ١٩٦٠

جـ كان مجموع المطر تحت المعدل في كل من الموصل و خانقين و الرطبة و الناصرية و البصرة و الحبانية كالاتي :

المحطة	سنة ١٩٦٠	سنة ١٩٥٩	المعدل
موصل	١ر٥٧ ملم	٧ر٢٩ ملم	٩ر٦٧ ملم
خانقين	١ر٢٥	١ر٩	٦ر٨
رطبة	٩ر	٣ر٥	١٦ر
بصرة	٨ر٩	٧ر٢٣	١ر٢٧
ناصرية	٧ر٩	٨ر١٧	٤ر١٥

الضغط الجوي :

زاد الضغط الجوي عن المعدل و عما يقابله من السنة الماضية في جميع المناطق و ادناه مثلا :

المحطة	سنة ١٩٦٠	سنة ١٩٥٩	المعدل
بغداد	٦ر١٠٢٠	٣ر١٠١٩	٣ر١٠٢٩ ملبار
موصل	٩ر١٠٢١	٧ر١٠٢٠	١ر١٠٢٠
بصرة	٩ر١٠١٩	٤ر١٠١٩	٥ر١٠١٨

JANUARY 1960 كانون الثاني ١٩٦٠

TABLE - 1 المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C^{o}) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	12.9	11.0	13.3	9.0	13.0	13.4	16.0	19.0	13.0
2	12.3	9.0	10.7	7.0	13.2	11.4	14.1	17.3	12.5
3	11.0	8.8	10.1	6.9	12.5	11.4	12.2	16.6	9.7
4	10.2	7.7	9.1	7.7	11.2	10.8	11.0	12.5	9.4
5	10.7	6.5	9.6	7.7	10.8	11.8	11.4	12.5	9.6
6	13.2	6.6	10.8	8.8	13.7	13.4	15.3	15.8	13.0
7	13.0	9.5	10.4	8.7	15.2	13.0	17.0	17.0	12.4
8	13.3	10.1	11.1	9.3	14.9	12.6	14.9	14.9	13.5
9	13.5	10.7	12.2	8.5	13.4	14.2	16.3	15.7	14.1
10	13.7	8.0	11.0	8.3	14.5	14.1	15.8	15.6	12.6
11	11.7	7.1	8.5	8.0	12.4	11.7	13.5	14.8	10.1
12	10.6	7.5	8.7	9.6	10.9	11.0	12.7	12.0	9.1
13	10.8	7.6	11.0	12.1	11.1	11.8	11.8	11.9	10.8
14	13.4	8.9	13.6	9.9	13.5	14.6	14.8	13.7	12.1
15	14.5	10.7	16.2	14.5	14.9	14.9	15.4	15.4	14.1
16	16.3	13.6	15.3	15.4	16.5	16.8	18.2	18.1	16.7
17	16.0	10.2	13.5	11.5	16.5	15.1	15.8	18.5	14.1
18	14.7	9.3	11.3	10.9	15.0	14.9	15.1	16.5	12.6
19	13.4	9.5	12.0	14.7	13.9	13.2	14.2	14.2	12.8
20	13.2	9.9	11.9	9.9	14.2	13.6	14.9	15.5	13.5
21	12.0	8.9	10.1	10.4	13.5	11.9	13.0	15.9	11.6
22	13.4	10.3	12.4	10.7	14.6	14.0	15.7	16.6	13.5
23	12.4	6.3	7.7	7.1	13.7	13.2	14.0	15.5	11.8
24	8.1	3.7	3.7	3.5	11.1	9.7	11.3	12.8	6.4
25	7.2	3.0	4.3	4.5	8.3	8.5	10.2	12.4	6.2
26	7.8	3.6	2.8	5.4	9.1	6.6	10.0	13.0	6.9
27	5.9	3.8	5.4	5.2	7.3	6.4	8.0	10.2	6.5
28	5.9	3.6	7.9	5.5	6.7	6.2	6.9	7.4	5.4
29	7.0	4.4	7.9	6.8	7.7	6.5	7.8	8.4	6.4
30	8.3	5.3	7.9	9.3	8.5	8.5	9.1	9.2	9.2
31	11.3	5.7	9.8	9.1	10.7	11.3	11.7	12.2	11.3
MEANS	11.5	7.8	10.0	8.9	12.3	11.8	13.2	14.2	11.0

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TABLE - 2 المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	رطبة RUTBAH	حي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BASRAH	حبانية HABBA-NIYA
1	14.2	14.7	14.7	9.3	15.8	14.6	15.7	19.8	12.8
2	17.0	18.0	17.8	14.3	17.2	17.5	17.1	18.9	16.5
3	21.7	22.4	21.9	21.1	21.2	22.3	21.3	20.2	21.8
4	23.1	24.7	23.7	23.1	22.2	23.0	22.3	21.8	23.3
5	20.2	21.8	20.3	19.2	19.4	20.2	19.5	21.0	20.4
6	12.1	13.5	13.7	10.4	13.4	12.1	13.2	13.9	11.7
7	9.5	8.5	9.2	3.5	8.2	10.4	9.3	10.7	9.3
8	18.2	18.6	18.7	16.0	18.5	19.1	18.7	18.6	17.9
9	19.4	19.1	19.5	18.2	18.6	19.1	18.3	18.2	18.6
10	21.1	23.7	22.6	24.9	19.3	20.6	19.2	18.6	21.9
11	24.4	26.0	24.7	24.1	22.3	24.1	22.7	21.6	25.1
12	24.9	25.8	25.0	22.8	23.4	24.9	23.9	23.0	25.2
13	22.4	23.8	22.4	19.2	21.8	22.5	21.9	21.6	22.2
14	21.4	23.3	22.0	20.4	20.4	20.9	20.3	20.4	21.3
15	20.3	21.9	20.6	18.1	20.1	20.5	20.2	20.2	20.2
16	16.7	17.6	17.5	16.2	17.4	17.1	17.4	19.2	16.2
17	20.5	23.1	21.7	21.6	18.6	19.4	18.3	18.6	20.9
18	23.7	25.2	24.7	24.1	21.5	23.6	21.7	20.8	24.5
19	22.2	24.3	22.5	20.4	21.3	22.8	21.8	21.1	22.8
20	19.9	20.5	19.8	20.9	19.0	19.6	18.9	19.1	20.2
21	19.2	20.2	19.2	18.2	18.3	19.2	18.4	17.8	19.3
22	15.5	16.2	16.3	14.8	15.8	16.3	15.5	15.6	16.4
23	19.4	19.4	19.2	18.7	18.6	19.6	18.6	18.2	19.6
24	25.9	28.2	26.6	25.6	23.5	25.1	22.9	21.8	26.6
25	24.5	26.8	25.3	15.4	23.2	24.5	22.8	21.5	25.4
26	23.5	25.3	23.9	24.5	21.3	23.5	21.3	20.1	24.2
27	23.4	24.1	22.5	25.0	21.6	23.9	22.6	21.1	23.9
28	23.5	25.5	23.3	25.5	22.7	24.1	23.2	22.9	23.9
29	24.3	25.9	24.1	26.0	23.2	24.7	23.7	23.8	24.8
30	23.2	24.2	23.0	24.3	22.7	23.7	23.2	22.9	23.1
31	22.1	23.6	22.5	21.6	22.9	22.3	22.0	22.4	21.8
MEANS	1020.6	1021.9	1020.9	1019.6	1019.8	1020.8	1019.9	1019.9	1020.7

JANUARY 1960 كانون الثاني ١٩٦٠

TABLE -3 المعدل اليومي للرطوبة النسبية (٪)

MEAN DAILY RELATIVE HUMIDITY (٪) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	84	86	69	89	83	81	75	83	83
2	92	92	88	82	87	89	80	85	87
3	84	88	86	88	77	83	74	80	86
4	84	94	85	89	77	83	74	80	89
5	82	90	80	85	74	83	73	81	88
6	77	83	73	82	76	77	57	73	83
7	82	88	96	70	83	84	69	84	78
8	77	89	62	70	73	78	64	75	71
9	76	86	81	66	75	69	57	75	73
10	79	82	80	76	71	78	57	78	81
11	62	81	80	75	72	73	60	70	72
12	68	79	80	68	73	72	58	78	75
13	71	84	72	63	72	74	65	81	74
14	71	80	62	66	70	68	60	75	75
15	68	84	58	65	67	73	62	77	74
16	67	80	64	59	72	78	55	74	70
17	70	90	78	77	72	78	61	72	78
18	67	81	75	72	63	69	58	74	75
19	64	80	63	52	62	67	59	68	76
20	64	76	61	64	66	67	56	61	67
21	64	81	70	57	65	70	59	72	68
22	59	79	56	65	56	63	57	70	60
23	54	81	78	66	67	61	53	72	59
24	41	72	67	55	46	48	49	72	54
25	48	70	66	44	46	51	37	51	56
26	46	68	69	46	54	71	50	56	57
27	51	63	59	58	55	67	51	59	51
28	53	65	41	54	59	59	46	66	59
29	48	72	44	50	55	59	43	71	59
30	59	74	48	63	52	69	47	61	71
31	64	73	47	74	62	73	56	62	72
MEANS	67	80	70	67	67	72	59	72	72

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TABLE -4-a درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY -MAXIMUM AND MINIMUM TEMPERATURES (C°).

	بغداد		موصل		كركوك		خانقين		رطبة	
	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	18.8	7.9	18.0	7.3	19.5	8.2	21.1	7.8	12.0	7.5
2	16.3	9.3	11.2	8.3	13.4	9.1	17.3	10.0	11.4	4.4
3	17.3	6.7	13.9	4.7	14.5	7.3	16.1	9.4	12.4	1.4
4	17.4	2.3	14.0	4.4	14.6	4.8	16.3	4.2	15.5	2.4
5	17.8	4.0	13.6	1.5	14.9	4.8	17.5	2.9	13.0	1.5
6	16.8	8.9	10.4	3.0	14.0	5.6	17.2	3.8	12.2	4.4
7	17.4	10.9	12.1	7.8	11.5	9.3	17.0	12.0	14.5	2.5
8	19.1	8.6	14.1	6.2	13.1	8.4	17.0	8.6	15.7	2.3
9	20.4	9.0	15.6	8.6	15.9	9.8	19.5	8.4	16.3	2.4
10	19.0	9.6	15.0	4.9	16.9	8.0	18.5	6.0	14.5	3.3
11	17.4	7.8	13.9	2.0	13.2	3.7	16.0	3.3	16.6	0.7
12	17.5	4.6	15.0	4.0	13.9	3.6	15.5	3.6	15.7	4.3
13	18.8	3.4	15.7	1.3	17.9	5.4	18.5	3.3	20.1	5.5
14	21.3	6.7	19.1	4.1	21.0	7.7	23.0	5.6	21.0	6.2
15	23.4	6.2	18.1	3.2	22.0	8.3	24.4	6.6	23.2	6.7
16	23.7	9.2	20.7	10.2	20.7	11.5	25.6	9.0	23.4	10.9
17	23.0	8.8	17.2	5.1	19.4	8.4	21.1	8.0	19.5	5.8
18	21.0	8.6	17.0	4.7	17.3	6.8	20.8	5.8	20.4	3.4
19	22.4	6.8	18.6	3.4	20.0	6.2	22.8	3.2	25.4	6.5
20	19.6	7.7	16.8	5.7	17.1	7.2	21.7	5.0	16.0	8.4
21	20.0	4.9	17.0	0.3	15.9	4.6	21.7	3.0	16.5	2.5
22	21.2	7.2	16.3	7.2	17.3	7.3	20.9	3.9	16.5	3.8
23	18.2	7.2	9.2	6.6	12.8	7.7	16.3	8.3	10.2	6.4
24	13.2	4.6	9.8	-1.1	8.6	-0.9	13.3	3.3	8.4	-1.4
25	13.5	0.4	9.4	-0.7	10.1	-1.2	14.0	-0.7	8.3	-0.3
26	12.6		10.3	-1.4	11.2	-1.6	15.0	-1.5	8.5	3.0
27	13.6	1.0	12.3	-2.7	13.7	-1.5	13.5	-1.5	11.0	0.7
28	15.6	-2.4	12.9	-2.4	16.4	-0.2	17.4	-2.2	12.5	-0.3
29	17.0	-0.8	14.2	-2.7	15.6	1.3	17.2	-1.1	15.1	-1.6
30	18.4	0.2	15.8	-1.7	15.0	1.8	16.8	0.0	17.4	0.8
31	20.7	3.3	16.1	-1.7	16.6	3.5	17.5	-1.1	17.0	2.7
MEANS	18.5	5.7	14.6	3.2	15.6	5.3	18.4	4.7	15.5	3.4

RECORDS OF TEMPERATURES : المقاييس الماضية :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	25.0	21	1948	- 7.6	5	1942
MOSUL	21.0	22	1953	-11.1	3	1925
KIRKUK	22.0	15	1960	- 6.7	26	1947
KHANAQIN	27.2	3&4	1944	- 6.7	7	1942
RUTBAH	25.4	28	1941	-14.4	6	1942

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TABLE -4-b

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C^{o}).

	الحي		الديوانية		الناصرية		البصرة		الحبانية	
	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
اليوم	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.
1	19.3	6.4	19.6	7.8	20.6	10.4	21.8	8.9	18.4	8.2
2	20.0	6.3	18.5	8.6	21.6	10.0	22.7	15.6	16.4	9.5
3	19.1	8.4	17.5	6.6	18.2	7.8	20.3	14.0	16.1	5.2
4	17.0	5.4	17.8	5.2	17.5	4.9	17.5	8.9	17.8	3.3
5	19.3	4.4	18.0	4.8	19.0	5.2	19.3	5.5	16.0	5.3
6	19.1	7.4	17.8	8.6	19.8	8.4	21.6	5.5	16.8	11.0
7	19.6	11.0	18.4	10.0	21.6	13.3	22.4	14.6	17.2	7.1
8	21.0	7.6	20.3	6.8	21.6	7.3	23.0	9.0	18.9	5.5
9	21.6	7.4	21.0	7.0	21.6	10.3	21.2	9.7	19.2	7.2
10	20.6	10.4	19.2	10.5	22.0	10.0	21.0	10.5	18.9	9.9
11	18.2	7.9	17.8	7.4	20.2	7.8	21.7	10.2	17.7	4.4
12	17.4	4.9	18.2	5.0	19.2	5.4	18.5	5.9	16.4	2.9
13	19.0	5.2	20.2	4.5	20.1	4.4	20.0	5.4	19.5	2.9
14	23.2	6.0	21.8	6.6	24.4	6.5	22.1	5.4	19.9	6.1
15	23.4	9.6	23.2	7.2	24.4	7.9	24.0	8.5	21.7	5.0
16	25.0	9.8	24.8	10.0	29.3	11.6	27.4	10.0	24.5	10.0
17	23.6	9.8	22.0	9.0	25.0	7.2	28.1	12.4	22.2	8.2
18	23.0	9.2	22.0	8.8	24.3	8.0	25.0	10.3	20.6	7.7
19	21.6	7.4	22.2	6.7	23.2	7.1	23.7	10.2	18.9	5.4
20	23.8	5.4	21.0	6.4	26.5	5.2	25.0	6.2	21.3	8.4
21	20.2	6.9	20.1	5.5	20.7	7.4	22.1	7.0	20.0	5.0
22	22.8	7.6	22.5	8.0	22.8	9.6	23.5	7.9	19.7	5.8
23	22.0	8.4	21.4	5.5	22.2	5.9	22.0	9.0	17.3	10.8
24	16.4	8.0	15.4	5.4	17.1	7.8	16.3	9.3	17.5	1.1
25	14.2	3.0	13.9	2.5	16.1	3.7	18.8	7.0	11.9	-0.6
26	16.4	5.2	12.0	4.0	17.4	4.8	21.7	5.9	12.7	1.6
27	13.0	1.6	14.0	1.0	14.5	2.7	15.0	5.7	12.8	1.1
28	14.6	-0.8	13.4	-1.0	14.5	-0.7	13.9	1.0	14.2	1.4
29	16.4	-0.3	15.0	-0.9	16.6	0.1	16.1	0.0	15.6	-0.5
30	17.3	0.4	17.5	0.0	17.6	0.0	16.9	1.0	16.7	1.6
31	19.8	1.6	20.6	2.4	21.3	1.6	20.2	1.5	19.5	2.5
MEANS	19.6	6.2	19.0	5.8	20.6	6.5	21.1	7.8	17.9	5.1

RECORDS OF TEMPERATURES : المقاييس الماضية

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
HAI	25.0	16	1960	- 6.7	5&6	1942
DIWANIYA	25.5	28 & 28	1941 1948	- 8.3	29	1950
NASIRIYA	29.3	16	1960	- 7.2	8	1942
BASRAH	28.1	17	1960	- 4.4	8	1942
HABBANIYA	26.1	28	1941	- 8.9	5,6&7	1942

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TABLE 5 المعدل الشهري لدرجات الحرارة المسلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

T I M E - G . M . T .

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.1	7.0	8.6	15.9	17.9	15.8	11.5	9.5	11.7
MOSUL	5.2	4.1	5.5	10.3	13.6	10.4	7.5	5.8	7.8
KIRKUK	7.2	6.6	8.9	13.7	17.7	11.6	9.2	8.1	10.0
KHANAQIN	-	6.2	9.1	16.3	17.8	14.1	10.5	-	12.3
RUTBAH	5.7	4.5	6.7	12.6	14.6	12.4	8.7	7.4	9.1
HAI	8.3	7.0	10.4	17.1	18.3	14.0	11.0	-	12.3
DIWANIYA	7.9	6.9	9.7	16.3	20.1	14.5	11.4	9.4	12.0
NASIRIYA	8.8	7.7	11.0	17.9	20.1	-	12.4	-	13.0
BASRAH	10.7	9.2	12.2	19.6	20.5	16.5	13.8	12.0	14.2
HABBANIYA	7.6	6.6	8.4	15.0	17.3	13.5	10.6	9.0	11.0

TABLE 6 المعدل الشهري لدرجات الحرارة المسلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	6.7	5.8	6.8	10.6	11.8	10.7	8.8	7.5	8.6
MOSUL	4.6	3.6	4.7	7.7	9.0	7.5	6.3	5.1	6.1
KIRKUK	5.7	5.1	6.7	9.5	9.7	8.6	7.2	6.3	7.4
KHANAQIN	-	5.0	6.7	11.1	11.7	9.9	8.0	-	8.7
RUTBAH	4.3	3.5	5.1	8.7	9.4	8.2	6.3	5.2	6.3
HAI	6.7	5.8	8.2	11.7	11.7	10.2	8.4	-	9.0
DIWANIYA	6.7	5.8	7.9	11.9	13.0	11.2	9.2	7.8	9.2
NASIRIYA	6.7	5.9	8.2	11.7	12.3	-	9.2	-	9.0
BASRAH	9.3	8.2	10.3	13.9	14.8	13.3	11.7	10.4	11.5
HABBANIYA	6.2	5.3	6.9	11.0	12.0	10.4	8.5	7.4	8.5

TABLE 7 المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	20.7	20.6	21.7	21.0	19.6	19.8	20.6	20.7	1020.6
MOSUL	22.2	22.1	23.0	22.2	20.6	21.0	21.8	22.1	1021.9
KIRKUK	21.3	21.2	21.8	20.6	19.4	20.2	21.2	21.3	1020.9
KHANAQIN	-	21.3	22.0	19.8	18.8	19.2	25.7	-	1021.1
RUTBAH	19.8	20.7	21.2	20.1	18.7	19.5	20.6	20.3	1020.1
HAI	19.7	19.8	21.1	20.0	18.9	19.0	19.9	-	1019.8
DIWANIYA	20.6	20.8	22.1	21.7	19.4	20.0	20.0	20.3	1020.6
NASIRIYA	19.9	20.0	21.3	20.1	18.8	-	19.9	-	1020.0
BASRAH	19.6	19.7	21.2	20.0	18.7	18.9	19.6	19.6	1019.7
HABBANIYA	20.7	20.7	21.8	21.1	19.7	20.0	20.3	20.8	1020.6

TABLE 8 المعدل الشهري للرطوبة النسبية (%)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	80	83	76	56	44	58	67	74	67
MOSUL	91	93	90	70	55	67	85	90	80
KIRKUK	79	81	72	56	50	65	76	77	70
KHANAQIN	-	78	69	50	45	56	69	-	61
RUTBAH	81	85	77	55	47	56	68	74	68
HAI	80	84	75	53	45	61	71	-	64
DIWANIYA	90	88	78	57	50	66	73	78	73
NASIRIYA	71	75	65	44	34	-	46	-	56
BASRAH	83	86	77	57	51	68	76	81	72
HABBANIYA	83	85	80	59	50	65	74	78	72

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TABLE 9 المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
	T I M E - G . M . T .								
BAGHDAD	8.9	8.6	8.8	9.7	9.2	9.9	9.3	9.2	9.2
MOSUL	8.3	7.8	8.3	8.9	8.5	8.7	9.0	8.6	8.5
KIRKUK	8.2	7.9	8.3	8.6	8.2	9.0	8.8	8.4	8.4
KHANAQIN	-	7.7	8.1	9.2	9.1	9.1	9.0	-	8.7
RUTBAH	7.5	7.2	7.6	8.2	7.9	7.9	7.8	7.6	7.7
HAI	9.0	8.7	9.7	10.5	9.7	10.1	9.5	-	9.6
DIWANIYA	8.7	8.6	9.4	10.8	10.9	11.9	10.7	9.5	10.1
NASIRIYA	8.4	8.2	8.5	9.1	8.2	-	9.4	-	8.6
BASRAH	11.0	10.4	11.2	12.3	12.5	12.9	12.3	11.6	11.8
HABBANIYA	8.9	8.1	9.1	10.3	10.1	10.2	9.3	9.3	9.4

TABLE 10 المعدل الشهري لدرجات الندى (سنتغراد)

MONTHLY MEAN DEW POINT (C^{O})

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	4.6	4.1	4.5	5.7	4.8	5.9	5.2	5.0	5.0
MOSUL	3.9	3.1	3.9	4.9	4.1	4.3	5.2	4.3	4.2
KIRKUK	3.5	3.0	3.7	4.2	3.2	4.8	4.7	3.9	3.9
RUTBAH	2.4	2.0	2.7	3.5	2.8	3.0	2.9	2.6	2.7
HAI	4.8	4.4	6.0	7.0	5.7	6.4	5.7	-	5.7
DIWANIYA	5.1	4.3	5.5	7.6	7.6	7.9	6.5	5.8	6.3
NASIRIYA	3.7	3.4	4.7	4.8	3.5	-	5.3	-	4.2
BASRAH	7.8	6.9	8.1	9.7	9.8	10.3	9.6	8.7	8.9
HABBANIYA	4.5	4.1	5.1	6.7	6.5	7.5	5.8	5.2	5.7

TABLE 11 المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.1	0.7	0.6	0.7	0.5	0.7	0.5	0.4	0.5
MOSUL	2.8	3.1	3.2	2.7	2.4	2.2	2.6	2.8	2.7
KIRKUK	1.7	2.0	2.5	2.3	2.0	1.9	1.6	2.5	2.1
KHANAQIN	-	1.5	2.0	1.5	1.5	2.2	1.4	-	1.7
RUTBAH	0.8	1.0	1.3	1.5	2.8	2.1	1.6	1.1	1.5
HAI	0.2	0.9	0.8	0.7	0.6	0.6	0.6	-	0.6
DIWANIYA	0.3	0.1	0.3	0.9	0.9	1.6	1.3	0.8	0.8
NASIRIYA	0.4	0.2	0.4	0.2	0.2	-	0.4	-	0.3
BASRAH	0.3	0.2	0.2	0.5	0.5	0.6	0.2	0.3	0.4
HABBANIYA	0.3	0.3	0.5	0.6	0.3	0.7	0.7	0.5	0.5

TABLE 12 المعدل الشهري لكميات الغيوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.6	1.9	3.0	2.9	3.3	3.2	2.8	2.2	2.6
MOSUL	3.9	3.5	4.8	4.5	4.7	4.4	3.9	3.8	4.2
KIRKUK	2.6	2.9	3.6	3.6	4.3	4.1	3.3	3.1	3.4
KHANAQIN	-	2.2	2.2	3.3	4.0	4.0	2.5	-	3.3
RUTBAH	1.5	2.0	3.1	3.5	4.3	3.8	2.5	2.0	2.8
HAI	1.1	1.8	2.0	2.4	2.6	2.5	1.3	-	2.0
DIWANIYA	0.8	0.8	1.5	2.1	2.1	2.6	2.1	1.7	1.7
NASIRIYA	1.2	1.0	1.5	1.2	1.8	-	1.8	-	1.4
BASRAH	1.4	1.3	1.4	1.4	1.8	2.2	1.6	1.5	1.6
HABBANIYA	1.7	2.1	2.8	3.0	3.1	3.4	2.8	1.9	2.6

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TABLE 13-ب — عدد تكرار رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
بغداد BAGHDAD	0000	3	0	2	6	2	1	0	8	9	20	2	0	0	5
	0300	2	1	2	3	3	0	3	9	8	23	0	0	0	4
	0600	2	0	6	2	1	3	5	9	3	27	1	0	0	5
	0900	7	1	2	1	5	1	4	10	0	22	8	1	0	9
	1200	8	0	1	3	2	1	6	10	0	25	5	1	0	8
	1500	7	0	4	2	1	0	0	8	9	19	2	1	0	5
	1800	6	0	2	2	5	0	0	8	8	22	1	0	0	5
	2100	3	0	0	8	1	1	1	10	7	22	1	1	0	4
	TOTAL	38	2	19	27	20	7	19	72	44	180	20	4	0	6
موصل MOSUL	0000	0	1	2	1	2	0	5	5	15	13	3	0	0	4
	0300	1	1	3	1	3	0	7	3	11	15	4	0	0	4
	0600	5	0	3	3	1	0	8	5	6	21	4	0	0	5
	0900	0	1	3	3	3	0	11	9	1	23	7	0	0	7
	1200	2	2	2	3	3	0	7	8	4	20	6	1	0	7
	1500	2	0	3	3	1	1	9	5	7	16	8	1	0	7
	1800	0	1	2	2	3	2	8	4	9	17	4	1	0	6
	2100	0	1	5	2	2	0	10	3	8	19	4	1	0	5
	TOTAL	10	7	23	18	18	3	65	42	62	144	40	2	0	6
كركوك KIRKUK	0000	4	5	3	4	1	0	0	3	11	17	3	0	0	4
	0300	3	7	4	4	1	0	2	0	10	18	2	1	0	4
	0600	5	1	3	8	1	0	0	0	1	17	0	1	0	4
	0900	3	0	1	6	8	3	3	2	5	19	6	1	0	6
	1200	2	0	0	4	4	4	8	4	5	23	2	1	0	5
	1500	3	1	1	4	2	0	8	1	11	19	1	0	0	3
	1800	2	4	2	4	1	0	2	2	14	15	1	1	0	3
	2100	6	7	2	5	0	0	1	0	10	19	2	1	0	3
	TOTAL	28	25	16	39	18	7	24	12	79	147	17	5	0	4
رطبة RUTBAH	0000	0	0	2	1	1	5	5	3	14	13	4	0	0	4
	0300	0	1	0	2	3	3	5	4	13	16	2	0	0	4
	0600	0	1	1	0	3	7	7	6	9	19	3	0	0	4
	0900	3	0	4	3	4	5	4	5	3	19	5	0	0	8
	1200	6	0	4	1	3	6	5	2	4	15	12	0	0	8
	1500	4	0	3	3	3	3	4	3	8	22	1	0	0	4
	1800	0	1	2	1	4	5	3	3	12	16	3	0	0	3
	2100	0	1	1	1	1	3	6	2	16	14	1	0	0	3
	TOTAL	13	4	17	12	22	37	36	28	79	134	35	0	0	5
حبي HAI	0000	1	0	4	0	0	0	4	4	8	16	7	0	0	6
	0300	3	0	2	2	0	0	5	10	9	15	7	0	0	6
	0600	0	0	4	1	2	0	5	11	8	18	5	0	0	6
	0900	4	0	4	2	2	0	5	9	5	15	10	1	0	8
	1200	3	0	3	1	2	0	2	14	6	16	9	0	0	8
	1500	3	1	1	1	0	0	5	11	9	13	9	0	0	6
	1800	2	1	3	0	–	–	3	13	9	16	5	1	0	6
	2100	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TOTAL	16	2	21	7	6	0	29	72	54	109	52	2	0	7

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GLS 13-ب

عدد مكرر رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد				معدل السرعة MEAN V.K.
		N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	34+	
خانقين KHANAQIN	0300	0	0	9	0	8	0	0	0	15	17	0	0	0	2
	0600	0	1	6	3	3	0	0	0	12	17	1	0	0	3
	0900	2	0	3	1	2	0	0	0	14	13	1	0	0	3
	1200	1	0	2	0	11	1	1	0	4	20	1	1	0	5
	1500	3	0	1	0	9	0	0	0	2	19	2	1	0	5
	1800	0	0	3	1	5	0	0	0	4	18	4	1	0	5
	TOTAL	6	1	25	5	43	1	1	0	71	104	9	3	0	4
ديوانية DIWANIYA	0000	4	1	6	1	2	0	0	1	15	23	1	0	0	3
	0300	5	0	5	4	2	0	0	0	14	24	1	0	0	3
	0600	4	3	3	2	1	0	0	0	13	21	1	0	0	3
	0900	7	0	2	2	2	0	0	0	13	18	1	1	0	3
	1200	11	1	3	1	0	0	0	0	9	22	1	1	0	3
	1500	10	1	3	3	1	0	0	0	7	23	2	0	0	3
	1800	10	2	3	1	2	0	0	0	6	23	2	0	0	3
	2100	4	2	4	1	1	0	0	1	6	21	4	0	0	3
	TOTAL	55	10	29	15	11	0	0	3	83	175	13	2	0	3
ناصرية NASIRIYA	0000	6	2	5	2	1	0	0	1	7	0	29	2	0	0
	0300	2	0	5	4	1	0	0	0	6	2	28	1	0	0
	0600	2	0	2	2	3	0	0	0	9	4	26	0	0	0
	0900	6	2	0	3	1	0	0	0	6	0	24	2	0	0
	1200	9	1	3	2	1	0	0	0	5	0	28	2	0	0
	1500	1	1	1	1	1	0	0	0	1	1	1	1	0	0
	1800	10	1	4	3	1	3	0	6	3	25	3	0	0	0
	2100	1	-	-	-	-	-	1	-	1	-	-	-	-	-
	TOTAL	35	6	15	16	11	3	1	7	38	32	159	8	0	0
بصرة BASRAH	0000	2	1	0	0	4	0	1	5	13	10	2	1	0	4
	0300	1	0	0	0	2	0	2	5	21	6	4	0	0	3
	0600	3	0	0	0	2	0	1	7	19	6	6	0	0	4
	0900	4	0	0	1	1	0	3	4	14	9	8	0	0	5
	1200	4	1	0	1	2	0	1	5	13	9	9	0	0	5
	1500	3	0	0	2	1	0	2	3	20	11	5	0	0	2
	1800	2	0	0	1	3	0	0	6	13	8	4	0	0	3
	2100	4	0	0	2	2	0	0	2	24	4	5	0	0	4
	TOTAL	23	2	0	7	17	1	12	41	145	63	39	1	0	5
جهانية HABBANIYA	0000	2	0	2	3	4	1	2	2	15	13	3	0	0	3
	0300	0	1	1	2	2	1	3	8	13	17	1	0	0	3
	0600	0	1	1	1	3	2	5	7	10	16	3	0	0	4
	0900	6	0	1	1	4	1	4	9	5	20	5	1	0	6
	1200	5	0	4	0	4	1	3	8	6	19	5	0	1	7
	1500	0	0	2	2	3	0	4	8	1	15	5	0	1	7
	1800	3	0	0	6	1	1	1	2	1	17	5	0	0	5
	2100	3	0	1	3	5	0	3	1	1	14	2	0	0	5
	TOTAL	19	2	12	18	26	7	23	45	96	125	24	1	2	4

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TABLE 14-a

DAILY PRECIPITATION (MILLIMETERS) tr. = 0.05mm

DATE	BAGHDAD	MOSUL	KIRKUK	KHANAQIN	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRA	HABBANIYA
1	21.3	17.9	19.8	4.7	6.4	16.1	40.0	8.3	2.1	8.6
2	1.6	1.1	12.2		2.6				tr.	0.3
3		0.3							tr.	
4										
5										
6	5.2	11.3	31.3	3.1		17.0	29.8	1.2	7.7	1.2
7		0.6	3.5	17.6		0.5				
8		2.8	tr.							
9		0.4	tr.							
10										
11										
12										
13										
14										
15		1.2	tr.							
16										
17										
18										
19										
20										
21		1.0								
22		4.8	1.6		tr.					
23	0.1	5.7	0.2	0.3					tr.	
24									tr.	
25										
26						tr.	13.9	0.2	tr.	
27										
28										
29										
30										
31										
TOTAL	28.2	57.1	68.6	25.1	9.0	29.7	83.7	9.7	9.8	10.3

RECORDS OF RAINFALL :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	35.3	27	1940
MOSUL	37.5	13	1933
KIRKUK	42.9	27	1940
KHANAQIN	50.8	5	1946
RUTBAH	19.7	12	1933
HAI	41.9	14	1947
DIWANIYA	40.0	1	1960
NASIRIYA	26.0	7	1951
BASRAH	32.5	17	1949
HABBANIYA	36.2	20	1958

[illegible]UARY 1960 ([illegible]) كانون الثاني ١٩٦٠

[illegible] 14-b

الهطول اليومي (مليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. (0.05mm.

[illegible]	راوندز RAWA-NDUZ	تل عويناة TEL-AWINAT		تل عفر TEL-AFAR	قيارة QAYARA	[illegible] HATIJA	جه جمال CHA-CHAMAL	بنجوين PEN-JWIN	[illegible] BACKRAJO	[illegible] RAS-ABRA
1	13.0			17.0	8.5	20.0	38.0		12.0	18.0
2	16.0	27.9			10.0	5.7		20.0	29.0	[illegible]
3		4.6					35.0	25.0		
4										
5										
6	[illegible]			[illegible]	18.0	13.0	60.0		46.0	[illegible]
7	10.0	29.0		2.0		6.8	25.0	63.0		5.0
8	10.0	6.6			4.2			10.0	3.0	
9	15.0							10.0		1.0
10								6.0		
11										
12										
13										
14										
15	17.0			1.2						1.8
16		0.8							1.0	
17										
18										
19										
20										
21										5.5
22	20.0			21.5						9.7
23		12.7			4.9		11.0	8.0	2.0	
24								10.0		
25										
26										
27										
28										
29										
30										
31										
TOTAL	134.0	81.6		59.7	46.4	46.3	169.0	152.0	93.0	82.5

RY 1960

14-c

كانون الثاني ١٩٦٠

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) Sr. 0.0mm

افتخار IFTIKHAR	جوارتا CHU-ARTA	صلاح الدين SAL-HEDIN	ايات NAYAT	دهوك DOHUK	كوكان DOKAN	شقلاوة SHAQ-LAWA	سرسنك SIR-SINK	كرد FINNING	[illegible]
	12.7	53.9		42.8	14.5		32.0	[illegible]	[illegible]
	29.0	23.3	33.0	14.0	36.5	30.0		33.[illegible]	
11.4						13.5			
		10.8			33.5			30.0	
38.1	60.0	12.8			20.4	18.4	8.6	9.0	
	4.0	14.6	34.0	15.0	2.0	10.4	21.1	6.[illegible]	
	1.3	14.5	10.0	3.6	5.5	11.0	3.3	25.[illegible]	
						13.0			
		9.0	25.0		3.0		2.3	3.[illegible]	
						3.0			
			15.0						
			13.0						
		0.4					1.5		
		28.0		42.0			26.2	3.0	
	9.7			4.0	1.0	27.0	2.8	7.0	
		0.4							
AL 49.5	116.7	166.9	132.0	121.4	118.4	126.3	97.8	126.5	8.8

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TABLE 14-d — الجدول اليومي (مليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. 0.05mm.

التاريخ	سامراء	المنصور	سعدية	يعقوبية	بدرة	هيت	مندلي	كربلاء	هندية	[illegible]
	SAM-ARAA	AL-MANSOOR	SAADYA	BAA-QOBA	BADRA	HIT	MANDILI	KAR-BALA	HINDIA	[illegible]
		32.0	16.[illegible]	24.3	11.0	15.2	10.5			
	12.0				[illegible].0	1.7	1.2	13.2	24.[illegible]	
	15.0									
	8.0	18.0	[illegible]	12.0	27.0		14.5	6.6		3[illegible].0
									8.5	10.0
6										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										57.0
27										
28										
29										
30										
31										
TOTAL	35.0	50.0	35.0	36.3	42.0	16.9	26.2	19.8	32.6	102.[illegible]

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UARY 1960

LE 14-e

الهطـــــول اليومـــــي مليمترات

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

	علي الغربي	رميثة	شبكة	سلمان	قلعة صالح	رفاعي	سماوة	بدعة	معقل	فاو
	ALI-GHARBI	RUMITHA	SHIBKA	SALMAN	QALAT-SALIH	RUFAHI	SAMAWA	BADAA	MAQIL	FA
	21.8				27.0					7.6
		19.0				9.0	9.8		2.0	5.4
								5.0		
								2.0		
	9.1	6.0			5.6					2.0
			16.0				2.6		29.0	
						3.4				
						6.3				
						5.3				
					0.5					
		6.0								
						4.3	0.9			
TAL	30.9	31.0	16.0	0.0	33.1	19.3	13.3	7.0	31.0	15.0

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TABLE- 14-f

(15)

كانون الثاني ١٩٦٠

الهطول اليومي (بالمليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm

التاريخ DATE	مركاسور MERKA-SOOR	زيبار ZEBAR-BEDI	كلالا GAL-ALAH	طقطق TAG-TAG	فتحة FATHA	سيدكان SIDKAN	قادركرم KADER-KARAM	طوسان TOSAN	العظيم AL-ADHIM
1			10.0	14.0	15.2		22.5	22.5	26.0
2			11.0	14.5	3.2		43.5	2.2	1.3
3		2.5	11.5	2.5					
4									
5									
6				24.2	6.0			19.0	11.0
7		5.2	13.0	13.3	tr.		21.5	9.3	
8		5.3	12.0	4.0				6.0	
9		4.3	10.0	1.5				3.6	
10		3.6	9.0	tr.					
11		4.2							
12									
13									
14									
15				1.4	tr.			1.3	
16	19.0	2.2	9.0			33.0		tr.	
17						8.0			
18									
19									
20									
21								0.6	
22	4.0	5.2		4.2	tr.	6.1	27.0	13.5	
23	21.0	2.4	17.5	3.0		40.0		0.2	tr.
24			9.5						
25									
26									
27									
28									
29									
30									
31									
TOTAL	44.0	34.9	113.0	82.6	26.4	87.1	114.5	78.2	38.3

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BLE -14-g — الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ DATE	قلعة دزة QALAT-DIZA	توسنجق KWE-SIJAK	قرة داغ KARA-DAKH	كفري KIFRI	افراز IFRAZ	مخمور MAKH-MOOR	باوغو BAWA-NOOR	عمادية AMADIA	الرميل AL-RUMEL	كاني سكا KANI-SPEKA
1			15.5			15.0	10.0		15.0	44.0
2	13.0		33.0		8.4	10.0	11.0			
3	22.0			16.3	9.5	2.0			14.0	
4										
5										
6			55.0			23.0			27.0	46.0
7	30.5				26.4	6.0				
8	34.0		1.8		3.2					11.4
9	6.0		0.5		4.5		6.0			
10	14.0				2.4		12.0			
11										
12										
13										
14										
15			1.3					0.5		
16	7.0				2.5					
17	2.5									
18										
19										
20										
21										
22						4.0		10.0		
23	6.0	14.0	12.0		3.5					
24	19.0				5.0					
25										
26										
27									0.3	
28									tr.	
29										
30										
31									0.2	
TOTAL	154.0	14.0	119.1	16.3	65.4	60.0	39.0	10.5	56.5	101.4

TABLE 15.

CLIMATOLOGICAL SUMMARY — الملخصات المناخيـــــة

NUMBER OF CASES OF PHENOMENAS : عدد الايام التي حدثت فيها الظواهر الجوية

المحطة	مطر	ثلج	برد	زوبعة رعدية	ضباب	تراب	صاحية	غائم	صقيع
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY	GROUND FROST
BAGHDAD	3	0	0	2	3	0	11	1	4
MOSUL	10	0	0	1	13	0	4	7	12
KIRKUK	6	0	0	3	0	4	6	4	7
KHANAQIN	4	0	0	0	0	0	6	3	0
RUTBAH	2	0	0	1	0	0	11	3	0
HAI	3	0	0	1	3	0	18	0	2
DIWANIYA	3	0	0	3	1	1	18	0	2
NASIRIYA	3	0	0	0	1	0	20	0	0
BASRAH	2	0	0	2	1	0	20	0	2
HABBANIYA	3	0	0	3	2	1	10	1	5

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمـــــس

المحطة	المجموع الشهري لسطوع الشمس	اكبر مدة سطوع الشمس		عدد الايام التي لم تظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOUR	DATE	No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	240.4	10.1	29	1
MOSUL	178.2	9.8	27&28	1
BASRAH	282.5	10.6	30	0
HABBANIYA	212.5	10.0	29&30	0

TABLE 17.

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

المحطة	حرارة الحشيش	حرارة التربة	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
MOSUL	- 0.9	10.0	15.4
BAGHDAD	2.7	13.1	18.5
KIRKUK	3.0	12.3	16.2
HAI	4.3	....	....
BASRAH	2.4	....	....
HABBANIYA	3.1	14.5	18.9

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0001 GMT. AT BAGHDAD AIRPORT.

Date	$N_h C_L h C_M C_H$	SURFACE ww	app	ppp	T	Td	dd	ff	1000 mbs. HHH	T	Td	dd	ff	850 mbs. HHH	T	Td	dd	ff	700 mbs. HHH	T	Td	dd	ff
1	00900	02	704	181	10	08	09	05	157	11	13	-	-	518	08	04	-	-	104	01	56	-	-
2	00900	02	114	163	10	09	14	08	151	12	10	-	-	493	04	54	-	-	039	54	63	-	-
3	00900	01	207	190	10	09	22	06	157	11	07	-	-	404	05	02	-	-	058	56	57	-	-
4	00900	10	102	235	02	06	00	00	194	09	06	-	-	536	03	51	-	-	042	53	61	-	-
5	00900	02	301	218	06	05	00	00	176	05	03	-	-	519	05	00	-	-	028	53	60	-	-
6	00900	03	501	174	09	08	00	00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	00900	01	716	040	13	12	16	12	112	13	12	-	-	479	09	06	-	-	056	51	61	-	-
8	00900	01	303	160	11	05	16	08	135	11	07	-	-	491	10	09	-	-	066	59	58	-	-
9	00900	02	000	155	11	09	14	08	165	14	12	-	-	524	06	00	-	-	082	54	58	-	-
10	00900	03	501	196	10	10	00	00	164	12	09	-	-	516	05	00	-	-	074	54	59	-	-
11	00900	01	211	209	11	07	30	12	191	10	07	-	-	538	04	00	-	-	095	52	58	-	-
12	00900	02	108	252	06	04	31	02	217	08	03	-	-	560	05	54	-	-	117	00	59	-	-
13	00900	01	400	241	08	06	00	00	170	11	07	-	-	528	08	52	-	-	116	63	62	-	-
14	00900	02	206	215	09	07	08	04	174	10	06	-	-	531	11	54	-	-	127	05	60	-	-
15	00900	03	302	218	06	05	00	00	174	12	03	-	-	555	14	52	-	-	168	02	61	-	-
16	00900	03	604	174	15	09	15	06	149	17	10	-	-	544	15	04	-	-	158	09	-	-	-
17	00900	02	204	189	11	09	00	00	162	15	10	-	-	541	13	02	-	-	152	04	60	-	-
18	00900	02	210	226	13	11	25	10	190	14	10	-	-	555	11	01	-	-	149	01	60	-	-
19	00900	03	501	240	09	06	31	06	195	14	04	-	-	573	13	51	-	-	191	07	58	-	-
20	00900	02	708	189	10	07	13	01	159	13	10	-	-	549	16	04	-	-	163	03	59	-	-
21	00900	02	708	209	09	04	31	06	176	14	09	-	-	558	07	52	-	-	114	01	60	-	-
22	00900	03	704	177	15	09	12	02	158	14	07	-	-	558	08	51	-	-	061	54	64	-	-
23	00900	02	400	156	10	04	14	02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	00900	01	701	245	09	53	36	08	205	10	50	-	-	533	51	60	-	-	063	58	65	-	-
25	00900	02	702	260	01	55	32	05	204	05	02	-	-	534	03	55	-	-	088	54	64	-	-
26	00900	01	705	241	06	52	31	10	211	07	01	-	-	545	05	59	-	-	095	56	61	-	-
27	00900	02	201	234	03	52	31	08	190	04	03	-	-	503	50	58	-	-	085	60	64	-	-
28	00900	02	301	241	01	54	31	06	192	02	54	-	-	515	03	61	-	-	060	56	71	-	-
29	00900	02	303	245	01	55	31	04	200	05	00	-	-	539	04	56	-	-	095	53	66	-	-
30	00901	02	705	236	02	52	00	00	187	04	02	-	-	525	05	53	-	-	083	53	63	-	-
31	00900	03	604	225	05	02	00	00	173	06	01	-	-	501	07	52	-	-	079	03	64	-	-

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0001 GMT. AT BAGHDAD AIRPORT.

DATE	600 mbs., HHH	T	Td	dd	ff	500 mbs., HHH	T	Td	dd	ff	400 mbs., HHH	T	Td	dd	ff	300 mbs., HHH	T	Td	dd	ff	200 mbs., HHH	T	Td	dd	ff	150 mbs., HHH	T	Td	dd	ff
1	329	55	68	-	-	574	62	77	-	-	740	75	87	-	-	942	90	-	-	-	209	07	-	-	-	-	-	-	-	-
2	257	61	73	-	-	560	72	86	-	-	719	85	97	-	-	914	96	06	-	-	178	04	-	-	-	360	09	-	-	-
3	245	69	69	-	-	560	73	75	-	-	720	85	86	-	-	916	91	93	-	-	186	01	05	-	-	372	02	06	-	-
4	243	61	61	-	-	562	67	76	-	-	726	79	80	-	-	925	94	01	-	-	187	07	-	-	-	367	08	-	-	-
5	238	59	67	-	-	557	69	76	-	-	722	79	85	-	-	928	94	98	-	-	189	09	11	-	-	367	12	17	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	269	58	60	-	-	565	67	68	-	-	728	79	80	-	-	927	94	-	-	-	-	-	-	-	-	-	-	-	-	-
8	253	62	70	-	-	553	62	80	-	-	724	81	89	-	-	923	93	-	-	-	-	-	-	-	-	-	-	-	-	-
9	231	59	63	-	-	547	68	68	-	-	722	78	86	-	-	925	93	-	-	-	-	-	-	-	-	-	-	-	-	-
10	230	54	62	-	-	550	64	73	-	-	725	65	90	-	-	919	99	-	-	-	-	-	-	-	-	-	-	-	-	-
11	236	61	61	-	-	557	72	-	-	-	733	84	-	-	-	935	00	-	-	-	185	05	-	-	-	-	-	-	-	-
12	245	59	63	-	-	575	66	70	-	-	758	77	81	-	-	940	92	96	-	-	213	09	-	-	-	381	14	-	-	-
13	243	62	64	-	-	576	66	-	-	-	758	80	83	-	-	936	98	97	-	-	198	03	11	-	-	376	12	-	-	-
14	264	58	64	-	-	575	66	74	-	-	740	75	85	-	-	944	91	04	-	-	212	00	08	-	-	396	01	10	-	-
15	264	56	58	-	-	564	62	76	-	-	745	76	85	-	-	948	87	001	-	-	219	98	-	-	-	405	05	-	-	-
16	320	54	-	-	-	580	65	-	-	-	762	78	-	-	-	945	94	-	-	-	-	-	-	-	-	-	-	-	-	-
17	307	54	68	-	-	580	64	77	-	-	745	76	-	-	-	948	89	-	-	-	-	-	-	-	-	-	-	-	-	-
18	278	58	62	-	-	578	66	77	-	-	747	77	88	-	-	943	92	01	-	-	-	-	-	-	-	-	-	-	-	-
19	280	54	60	-	-	586	58	74	-	-	752	72	86	-	-	958	85	96	-	-	228	04	13	-	-	409	11	20	-	-
20	290	55	68	-	-	578	66	77	-	-	743	76	86	-	-	946	95	-	-	-	-	-	-	-	-	-	-	-	-	-
21	334	56	68	-	-	577	63	77	-	-	736	84	90	-	-	932	97	-	-	-	-	-	-	-	-	-	-	-	-	-
22	260	60	71	-	-	561	69	79	-	-	726	85	90	-	-	924	94	-	-	-	191	99	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	247	64	65	-	-	561	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	285	60	69	-	-	556	70	78	-	-	737	82	89	-	-	925	95	04	-	-	190	03	08	-	-	375	04	09	-	-
26	293	65	66	-	-	565	73	79	-	-	726	82	85	-	-	923	94	97	-	-	188	04	07	-	-	-	-	-	-	-
27	132	68	69	-	-	552	79	80	-	-	707	90	92	-	-	901	96	99	-	-	166	02	-	-	-	-	-	-	-	-
28	287	64	75	-	-	560	74	87	-	-	718	87	98	-	-	913	96	06	-	-	179	02	11	-	-	364	03	-	-	-
29	297	60	75	-	-	567	71	88	-	-	727	85	98	-	-	920	00	11	-	-	-	-	-	-	-	-	-	-	-	-
30	290	59	65	-	-	567	69	76	-	-	729	84	87	-	-	926	97	02	-	-	-	-	-	-	-	-	-	-	-	-
31	298	57	71	-	-	569	67	83	-	-	732	79	92	-	-	930	94	05	-	-	191	08	-	-	-	371	09	-	-	-

NOTE: THE SIGN (-) MEANS NOT AVAILABLE OR NO RECORD.

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (0001 G.M.T.)

850, 700 & 500 - mbs., Surface , 0001 GMT. (AVERAGE HEIGHT AND TEMPERATURES)

STATION	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850 - mbs.,	152	05	17	150	04	16	148	-1	14	151	04	14	152	07	11	154	14	14	154	14	13	154	15	13
700 - mbs.,	310	00	26	305	-5	22	300	-8	25	308	-3	18	309	-1	15	313	02	14	315	07	13	316	08	12
500 - mbs.,	570	-17	37	562	-21	40	554	-24	38	565	-19	32	570	-18	31	576	-15	35	579	-14	27	582	-7	20

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (1200 G.M.T.)

850 , 700 & 500 - mbs., Surface , 1200 GMT. (AVERAGE HEIGHT AND TEMPERATURES)

STATION	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850 - mbs.,	152	06	14	150	04	15	147	00	15	151	06	10	152	07	13	154	12	12	155	14	12	153	15	12
700 - mbs.,	310	00	20	305	04	23	301	-7	25	308	-2	17	309	00	18	314	03	18	316	07	14	315	07	13
500 - mbs.,	571	-17	36	562	-21	38	555	-24	35	566	-20	35	568	-18	34	577	-15	32	581	-12	29	583	-8	22

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

Table 30-a

BAGHDAD AIRPORT

Month: January 1960

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				2	1	1	1																		5
-200					1	1																			2
-500			1					1	1																3
-1000	1	1	1		1	1	2				1						1							1	23
-2000					2	6	2					1			2	3			1	1		1			19
-3000					3	2	3	3		1		1	1	2	1						1				17
-5000				3	6	3	4	5	5	3	3	4	3	2	2	17	7	8	5	1	3	1	1		87
-10000	1	3	5	5	8	4	3	4		6	3	4	1	2	11	7	10	11	7	8	6	3	4	4	131
>10000	29	27	24	20	9	7	11	20	25	21	24	24	26	25	15	4	5	12	18	21	21	24	26	26	470
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:
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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																									
-50					1	1																			2
-150																									
-300										1	1	1									1	1	1		6
-500															1	2	2		1		1	1	1	1	14
-900	30	30	30	30	30	30	31	31	31	30	30	30	31	31	30	29	29	31	30	31	29	29	30	30	720

TABLE 20-b BASRAH AIRPORT. (22) Month: January 1960

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																				2
1000 -1500M																									
1500 -3000M				1	2	4	1																		8
3 -5KM									1	1					1				1/1	1/1	1/1				6
5 -10KM	1		2	1	7	5	4	2	1	1	1		1	1	1	2	1/3	1/4	1	1		1			40
10 -15KM	7	5	6	5	8	4	5	5	1	2	3	5	6	5	3	4	2	3	4	4	3	2	6	4	106
15KM	23	25	23	25	15	17	21	24	29	27	27	27	24	25	26	25	26	24	25	25	27	28	25	27	582
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					1																				1
50 -150						1																			1
150 -300										1															1
300 -500						1										1									2
500 -900										1	1	1	1		1	1						1	1	1	9
900	6	5	5	5	6	5	4	3	5	3	5	5	5	9	7	8	7	8	6	6	5	5	5	7	135

TABLE 21-a

(23)

Month: January 1960

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																									1			1		
																										1	2		1	2
																									1	1		1	1	
>500-900																								1			1			2
																								1	1	1	5	1	1	6
<5/8 OR *		2	1							1		2			2			2		3	4	1	6	3	28	19	17	30	30	31
>900															3	1	1		3	3	17	6	1	6	20	26	3	30	31	29
AND =5/8			3									3	1	1	7			4	5	1	36	7	5	35	17	22	132	30	29	240
		2	1							1		2			2			2		3	4	1	6	3	29	20	17	31	31	31
TOTAL															3	1	1		3	3	17	6	1	7	21	26	4	31	31	31
			3									3	1	1	7			4	5	1	36	7	5	36	18	24	159	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 27-b (28) Month: January 1960

BASRAH AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≥ 5 octas)

HEIGHT METRES	VISIBILITY																												
	0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-90																														
>90-150																														
>150-300																														
>300-600																											1			1
>600-900																						1		1		1	1	1	1
																							1		1	3		1	4
> 900 or *													1	1				1	1	4	7	9	5	23	20	21	31	31	31
> 900															1			1	1	2	1	1	1	25	21	25	29	30	89
AMT < 5/8														2	1		2	1	1	12	4	2	37	25	27	189	31	30	242
													1	1				1	1	4	7	9	5	23	20	21	31	31	31
TOTAL															1			1	1	2	2	6	4	27	24	25	31	31	31
														2	1		2	1	1	12	4	2	39	25	28	193	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 mode:

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.

وزارة المواصـــــــــــــــلات

مديرية الطيران المدني العامة

مديرية الانواء الجويـــــــــة

شعبة احصائيات المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية لشهر

شباط ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR

FEBRUARY 1960 .

مجلد ٢٣ عدد (٢) شباط ١٩٦٠

VOLUME 23 , No. (2) FEBRUARY 1960 .

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المستويات ٨٥٠ و ٧٠٠ و ٥٠٠ ملليبارات معدل الحرارة والارتفاع	19	20
تكرارات كل من مدى الرؤيا وارتفاع الغيم	20ab	21-22
احصائيات مزدوجة لمدى الرؤيا ولقاعدة الغيم	21ab	23-24

شباط ١٩٦٠

درجات الحرارة فوق المعدل والامطار تحت المعدل

كان الجو مستقرا في اليوم الاول من هذا الشهر مع وجود بعض الغيوم في انحاء متفرقة من الجمهورية .

اضطرب الجو يوم ٢ ـ ٣ منه بسبب تكون منخفض جوي فوق العراق قادما من الغرب ادى الى هبوب رياح جنوبية شرقية شديدة و حدوث زوابع ترابية عامة مصحوبة بزخات مطر متفرقة .

استقر الجو في الفترة ما بين ٤ ـ ٩ منه .

في ١٠ ، ١١ منه تشكلت غيوم قليلة مع هطول زخات من المطر في المنطقة الوسطى .

في يوم ١٢ لغاية ١٦ منه كانت فترة استقرار ، في ١٧ منه هطل مطر عام نتيجة لوجود منخفض في الضغط الجوي قادم من الغرب .

في ١٨ لغاية ٢٠ منه كانت فترة استقرار

في ٢١ منه تصاعد غبار شمل انحاء القطر نتيجة تكون منخفض جوي محلي .

في ٢٢ ـ ٢٨ منه استقرار و تحسن في الجو .

في ٢٩ منه اضطرب الجو بسبب مرور منخفض جوي قادم من البحر الابيض المتوسط ادى الى هبوب رياح شديدة و تكون عواصف ترابية عامة في جميع القطر .

كان سقوط المطر قليلا و تحت المعدل و ما يقابلها من السنة الماضية لنفس الشهر .

و امّا درجات الحرارة اليومية و النهايتي العظمى و الصغرى فقد كانت فوق المعدل و اكثر مما يقابلها من السنة الماضية لنفس الشهر .

F E B R U A R Y 1 9 6 0 .

TEMPERATURE ABOVE NORMAL AND RAINFALL BELOW NORMAL

The first day of the month the weather was settled but some clouds appeared later over the country.

Unsettled weather continued from 2nd to 3rd due to a depression advancing from the Eastern Mediterranean causing strong SE'ly winds accompanied by a dusterstorm and slight rain.

From the 4th to the 9th the weather was settled, but on the 10th and 11th the weather was cloudy with showers in Central Iraq. The period from the 12th - 16th was settled until the 17th when a depression advancing from West caused general rain. Then it settled from the 18th to 20th. Broken again on the 21st when a depression passed over Iraq causing a widespread dust. Weather became fine from 22nd to 28th, followed on the 29th by passing depresson from Mediterranean causing dusterstorms over the whole Country.

The total rainfall for the month was slight and below normal.

The mean temperature was above the average, also the Maxima and Minima were both above the average.

FEBRUARY 1960.

شباط ١٩٦٠

TABLE 1

(المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (°C) OF 8 OBSERVATIONS

DATE التاريخ	BAGHDAD بغداد	MOSUL موصل	KIRKUK كركوك	KUTBAH رطبة	HAI الحي	DIWANIYA ديوانية	NASIRIYA ناصرية	BASRA بصرة	HABBANIYA حبانية
1	13.6	7.5	11.4	10.6	14.6	14.2	15.1	16.3	12.4
2	17.0	13.8	16.6	13.3	15.9	16.0	17.8	19.5	16.5
3	14.4	11.1	14.7	11.2	15.0	15.0	15.9	17.5	15.2
4	13.1	9.8	14.2	8.2	13.1	13.8	14.0	15.7	14.6
5	15.8	8.6	13.4	9.5	14.0	12.8	14.8	16.8	13.3
6	14.7	7.8	9.3	6.3	14.6	12.9	14.7	15.1	11.2
7	13.0	7.1	8.3	5.1	12.9	10.9	13.5	13.8	10.1
8	13.0	8.5	9.4	6.8	12.3	11.3	13.7	13.9	11.5
9	12.4	8.0	10.4	11.0	13.7	13.2	13.5	12.0	11.6
10	14.8	8.2	12.5	7.3	15.5	13.1	15.4	17.2	13.3
11	13.7	6.0	11.1	7.4	16.5	14.6	15.3	14.9	13.3
12	12.0	7.0	9.3	10.4	14.9	12.6	13.6	13.0	11.0
13	12.1	8.3	11.6	7.4	14.5	12.6	13.5	14.1	11.6
14	12.4	8.1	12.0	7.5	15.2	13.0	13.9	14.6	11.6
15	12.6	9.0	13.7	9.8	15.0	13.3	13.9	14.3	11.4
16	14.0	6.7	13.1	10.2	15.1	13.6	15.2	15.3	12.6
17	16.8	11.7	15.0	11.8	16.5	14.7	15.8	15.6	13.5
18	14.8	11.7	13.9	11.7	13.7	13.8	14.9	15.6	13.6
19	14.2	12.1	14.0	12.4	14.0	14.0	14.0	15.6	13.5
20	16.4	12.6	15.9	13.6	17.1	16.7	15.5	17.8	16.7
21	18.8	13.3	16.6	17.4	18.9	17.6	19.5	18.6	20.5
22	17.0	13.0	14.8	14.8	17.9	17.8	16.7	16.9	17.1
23	18.5	14.5	16.4	13.6	18.0	17.8	16.8	17.0	18.6
24	19.1	13.9	16.6	14.7	18.7	18.2	17.1	18.2	18.7
25	19.1	14.1	18.0	17.0	18.6	18.8	15.1	19.7	19.5
26	17.5	13.7	14.7	14.2	20.1	16.8	15.3	21.4	16.2
27	16.5	11.4	14.2	13.5	17.7	15.8	14.7	18.7	15.3
28	18.9	13.1	17.0	15.3	18.6	18.1	15.2	21.0	18.3
29	17.8	11.9	15.3	11.9	17.6	16.5	25.0	22.2	16.9
MEANS	15.2	10.6	13.2	11.5	16.0	15.6	15.9	16.6	14.5

FEBRUARY 1960 شباط ١٩٦٠

TABLE - 2 المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	21.8	24.0	23.1	18.0	22.9	21.7	22.3	23.4	20.9
2	15.4	14.4	14.9	10.2	19.8	16.7	19.1	22.0	13.8
3	13.3	12.7	13.5	11.4	15.2	13.8	15.1	17.5	12.3
4	16.2	19.3	18.5	18.0	17.9	17.9	16.9	16.7	18.7
5	21.0	22.4	21.5	20.7	19.9	20.7	19.2	18.4	21.4
6	25.9	28.8	27.2	26.4	23.7	25.4	23.8	22.4	26.5
7	24.7	27.6	26.1	26.2	22.2	24.4	22.7	21.3	25.9
8	19.6	21.4	20.0	21.8	17.8	19.9	18.6	17.6	20.5
9	16.9	17.3	16.6	15.9	16.2	17.3	16.7	16.5	17.1
10	16.8	18.5	17.1	17.6	16.1	16.3	15.6	15.4	17.1
11	19.4	21.1	19.4	20.9	16.9	18.5	16.7	15.7	20.2
12	20.1	21.6	20.5	19.5	18.4	20.1	18.5	17.4	20.4
13	21.3	23.6	21.9	23.7	19.6	21.2	20.0	19.1	22.1
14	22.7	24.9	22.8	24.4	21.7	23.2	22.2	21.1	23.3
15	23.4	25.5	23.5	23.6	22.8	23.8	23.1	22.4	23.9
16	21.3	23.1	21.7	19.9	20.8	21.3	21.1	21.0	21.5
17	18.0	19.8	18.7	15.7	17.4	17.8	17.7	17.8	17.9
18	19.4	20.1	19.7	18.4	19.2	19.4	18.2	19.1	19.1
19	21.0	21.6	21.3	21.3	20.5	21.3	20.6	20.0	20.9
20	19.1	20.2	19.3	18.1	18.0	19.3	18.9	17.6	19.1
21	09.8	10.0	09.8	09.1	11.9	10.9	13.3	13.6	08.9
22	15.1	14.7	14.3	14.3	14.6	15.9	13.8	14.1	15.1
23	19.6	21.7	19.9	18.4	19.2	20.1	19.5	19.3	19.3
24	19.2	20.9	19.9	17.2	18.4	19.3	18.9	19.8	19.1
25	13.9	15.1	14.2	12.4	13.6	14.0	13.9	13.9	13.3
26	14.3	15.4	14.2	15.7	12.8	14.3	12.8	12.1	15.0
27	18.1	19.7	18.3	17.2	17.1	18.3	17.1	16.2	18.5
28	12.6	14.5	12.8	10.3	12.4	12.6	12.5	12.5	12.4
29	08.8	08.4	08.3	09.4	07.6	08.7	07.9	07.8	09.0
MEANS	1018.2	1019.6	1018.6	1017.8	1017.7	1018.4	1017.8	1017.6	1018.4

FEBRUARY 1960.

شباط ١٩٦٠

TABLE - 3

المعدل اليومي للرطوبة النسبيـــــة (٪)

MEAN DAILY RELATIVE HUMIDITY (٪) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	50	71	47	60	52	56	52	68	64
2	46	43	22	34	52	42	45	77	53
3	68	80	76	52	75	76	58	81	57
4	67	65	82	63	75	74	76	79	66
5	51	65	67	58	90	79	85	91	54
6	51	66	60	57	61	68	62	70	52
7	40	59	62	59	52	52	40	61	48
8	44	63	55	52	62	56	47	69	50
9	54	63	55	43	55	46	47	60	52
10	51	46	53	45	56	52	41	53	46
11	26	65	46	47	57	40	53	62	41
12	44	56	50	47	41	50	36	66	51
13	43	57	45	64	50	77	46	70	50
14	49	60	36	46	48	50	50	65	52
15	46	61	34	39	50	50	44	71	52
16	46	61	37	54	45	46	44	62	50
17	45	66	56	77	50	50	56	72	60
18	82	76	78	74	88	81	80	72	82
19	86	92	91	63	83	86	88	86	79
20	75	87	80	51	72	71	73	84	73
21	65	70	64	35	68	59	59	70	57
22	61	73	66	58	60	57	50	73	60
23	55	81	52	46	58	57	59	76	54
24	51	67	49	38	46	53	56	55	46
25	48	53	36	31	52	50	48	56	46
26	47	53	46	54	50	53	46	57	47
27	42	60	44	43	42	50	42	49	54
28	38	60	37	34	48	44	36	52	42
29	45	56	41	44	44	41	34	57	46
MEANS	52	65	54	51	58	57	54	68	55

FEBRUARY 1960.

TABLE -4-a

شباط

درجات الحرارة العظمى والصغرى الجوية (بالفهرنهايت)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (°F).

	بغداد		موصل		كركوك		رطبة		حسي	
	BAGHDAD		MOSUL		KIRKUK		RUTBAH		HAI	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	19.8	5.1	13.9	-0.3	17.4	5.3	10.6	2.2	21.4	4.5
2	21.0	9.6	17.6	1.1	20.0	10.3	13.3	0.3	22.8	9.0
3	17.8	11.3	15.3	10.1	13.3	9.0	15.5	5.3	17.9	12.8
4	19.4	0.2	14.3	0.8	14.5	4.4	13.0	2.3	22.5	12.4
5	21.0	8.8	15.6	6.9	19.1	6.8	16.0	2.0	17.2	12.4
6	19.1	2.8	13.7	0.7	14.8	3.3	13.3	1.0	21.8	7.6
7	18.1	5.6	15.6	-0.6	15.1	1.4	15.3	0.5	19.8	6.0
8	20.6	5.4	17.7	0.8	16.6	2.2	17.3	0.0	19.6	4.4
9	21.1	4.7	17.3	0.2	16.3	2.1	15.0	2.7	20.6	5.5
10	21.6	7.8	16.8	4.5	18.1	8.6	16.5	3.4	22.8	6.8
11	19.4	8.7	17.4	-1.7	18.0	6.0	15.3	-2.4	22.4	10.6
12	19.8	4.4	15.9	-2.5	15.5	2.8	16.0	1.8	19.4	7.4
13	20.6	6.7	15.2	-0.4	16.4	6.8	13.7	-0.3	22.2	6.6
14	22.4	4.4	20.4	-0.2	21.0	4.9	16.1	-2.0	22.0	5.7
15	22.6	3.4	21.6	0.4	21.8	5.1	19.8	-1.0	23.2	5.2
16	22.4	4.0	20.2	-0.4	20.9	5.7	20.3	3.0	23.2	7.4
17	24.3	12.0	20.2	4.1	20.1	6.1	20.7	4.4	22.6	9.4
18	19.5	11.5	21.0	10.3	18.5	12.0	21.6	7.0	17.6	14.5
19	21.3	5.3	16.2	3.3	14.6	3.3	20.6	8.0	21.2	7.4
20	23.4	10.8	19.8	7.1	20.0	8.8	25.6	6.0	22.6	10.6
21	25.4	12.0	22.5	9.7	21.9	10.6	26.4	9.9	25.5	10.6
22	23.7	11.2	19.4	7.1	20.0	7.8	21.2	8.8	22.6	13.6
23	26.8	10.5	18.4	6.4	22.6	10.5	22.8	5.6	25.0	10.0
24	26.6	12.0	22.9	5.1	25.6	9.5	25.8	5.8	26.0	12.2
25	27.8	10.2	23.4	5.0	25.2	11.2	25.4	9.1	27.9	9.8
26	24.0	10.6	20.2	6.8	20.6	10.9	18.2	7.6	28.2	9.8
27	23.7	9.0	21.1	3.4	20.6	6.7	21.7	3.8	23.4	9.8
28	27.3	9.6	21.6	4.7	23.5	9.6	23.8	9.0	27.2	9.6
29	24.2	11.8	19.5	8.6	20.4	12.4	19.0	5.0	26.6	11.8
MEANS	22.2	8.4	18.6	4.1	18.9	7.9	19.4	3.9	22.6	8.6

RECORDS OF TEMPERATURES : المقاييس الماضية :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	30.9	26	1941	-5.0	19 & 9	1949 1950
MOSUL	26.7	28	1955	-9.4	10	1949
KIRKUK	26.6	25	1941	-6.7	4	1947
RUTBAH	31.7	24	1941	-8.3	25 & 11	1934 1949
HAI	29.4	24&27	1941	-3.9	10	1949

MARCH 1960

DAILY MAXIMUM AND MINIMUM TEMPERATURES

DATE	DIWANIYA MAX.	DIWANIYA MIN.	NASIRIYA MAX.	NASIRIYA MIN.	BASRAH MAX.	BASRAH MIN.	HABBANIYA MAX.	HABBANIYA MIN.	KHANAQIN MAX.	KHANAQIN MIN.
1	30.0	8.8	34.2	5.1	31.1	6.8	28.0	5.2	31.2	3.2
2	25.3	10.2	28.6	11.2	24.1	9.8	23.4	5.1	27.8	6.6
3	15.0	11.0	20.1	4.2	21	11.2	19.4	4.2	20.5	1.0
4	20.5	6.6	22.4	4.8	24.2	8.1	23.2	12.2	24.0	2.0
5	18.2	6.8	20.5	11.6	16.3	13.2	15.4	8.4	16.0	7.8
6	21.0	7.0	30.1	1.0	27.0	8.8	24.2	8.8	28.2	3.3
7	18.4	4.2	21.2	4.2	20.3	7.8	19.2	7.2	19.2	1.0
8	20.6	7.2	20.5	6.0	21.2	7.8	19.2	8.2	19.2	4.2
9	21	8.6	22.2	5.4	24.2	9.2	22.2	10.2	19.2	4.2
10	22.8	6.0	26.2	10.2	26.2	10.0	24.2	7.2	24.0	8.8
11	21.6	9.2	24.8	12.6	20.2	11.2	17.0	4	20.0	9.0
12	20.2	5.6	20.4	8.0	22.2	7.2	21.2	6.2	22.2	4.8
13	24.0	7.8	28.8	6.4	27.2	9.2	24.2	8.2	28.2	6.4
14	24.0	7.6	24.0	8.2	24.2	8.2	21.2	8.2	22.8	2.0
15	23.6	8.4	23.0	5.2	22.2	9.2	20.2	6.6	22.2	3.0
16	23.5	9.6	28.4	8.2	25.2	9.8	22.6	8.4	28.8	4.0
17	20.2	10.6	22.6	9.6	23.2	9.2	20.2	8.4	28.2	5.0
18	17.4	10.8	21.6	13.0	18.2	11.2	18.2	11.2	19.2	4.6
19	20.2	7.6	20.7	9.2	22.2	9.2	21.2	10.0	17.6	7.2
20	22.0	10.0	24.0	10.2	20.2	13.0	21.4	10.4	23.0	5.0
21	29.2	11.0	33.6	5.8	28.2	10.8	26.5	14.0	26.2	10.8
22	23.8	12.5	24.0	15.6	26.2	15.0	24.2	11.2	27.2	9.0
23	26.0	8.0	25.0	6.8	28.2	9.0	26.4	14.2	24.2	6.8
24	26.8	10.4	25.7	9.2	26.2	10.2	25.2	11.2	25.2	9.0
25	28.0	8.0	27.8	10.2	30.2	10.2	27.2	7.6	28.0	7.0
26	24.8	10.8	28.4	12.6	24.2	11.8	22.8	11.2	28.8	12.0
27	24.2	7.0	25.0	9.6	26.8	13.0	23.2	7.8	22.8	8.2
28	27.6	7.2	26.3	9.6	30.2	12.2	25.2	8.0	26.1	6.0
29	25.0	11.2	27.8	14.2	24.2	10.2	23.2	10.6	26.2	13.0
MEANS	22.6	8.0	23.1	9.4	25.2	9.5	22.1	7.5	23.4	6.6

RECORDS OF TEMPERATURES

STATION	HIGHEST MAX.C°	DAY	YEAR	LOWEST MIN.C°	DAY	YEAR
DIWANIYA	32.0	22	1955	-7.6	9	1950
NASIRIYA	32.2	22	1952	-3.9	25	1949
BASRAH	34.3	25	1950	-2.2	9	1950
HABBANIYA	30.5	24&26	1941	-4.4	10	1949
KHANAQIN	29.4	25 & 9	1945 1944	-4.4	9	1950

FEBRUARY 1960.

شباط ١٩٦٠

TABLE 5

المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

T I M E - G . M . T .

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.1	9.8	12.2	18.3	23.8	19.9	15.1	13.2	15.2
MOSUL	6.5	5.1	8.0	11.6	17.5	11.7	10.2	8.1	10.6
KIRKUK	9.9	8.9	12.1	18.7	19.2	15.7	12.4	10.9	13.1
KHANAQIN	-	8.7	12.7	19.5	21.2	17.9	14.0	-	15.7
RUTBAH	6.9	5.1	8.3	16.2	18.8	16.5	11.5	8.6	11.5
HAI	-	9.3	13.3	20.0	21.5	17.5	14.3	-	16.0
DIWANIYA	10.5	9.9	13.2	19.9	22.3	20.1	14.4	12.2	15.4
NASIRIYA	11.5	10.2	14.3	20.5	22.6	19.2	15.5	13.2	15.9
BASRAH	13.1	11.6	15.5	21.3	23.2	19.5	15.5	15.5	16.9
HABBANIYA	10.2	6.6	11.7	18.9	21.5	18.5	14.0	12.2	14.7

TABLE 6

المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.1	7.3	9.0	12.1	13.2	12.5	10.5	9.2	10.2
MOSUL	5.1	4.1	6.2	9.4	10.1	8.6	7.1	6.0	7.1
KIRKUK	6.7	5.3	8.4	10.4	11.0	9.9	8.3	7.4	8.6
KHANAQIN	-	6.0	8.5	11.5	12.6	11.1	9.0	-	9.6
RUTBAH	4.2	3.0	5.3	9.5	10.6	9.6	7.1	5.9	6.8
HAI	-	7.7	9.8	13.0	13.5	12.0	10.2	-	11.0
DIWANIYA	7.9	7.9	9.7	13.3	14.1	12.4	10.3	9.9	10.7
NASIRIYA	8.5	7.8	10.3	13.1	13.7	12.6	11.5	9.6	10.9
BASRAH	11.5	10.1	12.7	15.7	15.5	13.1	13.9	12.4	13.5
HABBANIYA	7.7	5.7	8.6	12.1	13.0	12.0	9.7	8.6	9.8

TABLE 7

المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	18.3	18.4	19.9	19.4	17.4	17.2	17.9	18.1	1018.3
MOSUL	20.1	20.4	21.2	20.1	18.0	18.1	19.2	19.5	1019.6
KIRKUK	18.9	19.2	20.0	18.8	17.2	17.4	18.6	18.4	1018.6
KHANAQIN	-	20.1	19.7	14.5	13.6	17.4	18.5	-	1017.3
RUTBAH	17.6	18.3	19.5	18.2	16.5	16.9	17.8	17.5	1017.8
HAI	-	18.0	19.1	18.5	16.8	16.6	17.3	-	1017.7
DIWANIYA	17.6	18.9	20.0	19.4	17.4	17.3	18.1	18.9	1018.5
NASIRIYA	17.6	18.2	19.3	18.5	19.4	17.1	17.5	17.7	1018.2
BASRAH	17.5	17.7	19.1	18.4	16.5	16.7	17.4	17.4	1017.6
HABBANIYA	18.3	18.8	19.6	19.4	17.4	17.2	17.9	18.1	1018.3

TABLE 8

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	64	68	60	41	34	41	54	56	52
MOSUL	82	86	76	51	38	45	64	75	65
KIRKUK	62	68	59	42	38	45	56	59	54
KHANAQIN	-	65	55	37	33	39	49	-	46
RUTBAH	65	70	61	39	32	37	50	55	51
HAI	-	79	66	46	42	53	61	-	58
DIWANIYA	68	73	63	43	37	47	60	66	57
NASIRIYA	65	70	58	37	33	42	63	60	54
BASRAH	82	82	72	54	49	61	75	79	69
HABBANIYA	68	73	64	42	33	42	55	60	55

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TABLE 9

المعدل الشهري لضغط البخار (ملليبار)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

	TIME - G.M.T.								
STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.7	8.4	8.9	8.9	8.6	9.2	9.3	8.6	8.8
MOSUL	8.1	7.7	8.4	8.5	7.5	7.5	8.1	8.2	8.0
KIRKUK	7.5	7.7	8.2	7.5	7.9	7.8	7.8	7.6	7.8
KHANAQIN	-	7.3	7.9	7.8	7.8	7.7	7.7	-	7.7
RUTBAH	6.5	6.1	6.6	6.9	5.2	6.8	6.8	6.3	6.4
HAI	-	9.5	10.0	10.5	10.3	10.6	9.9	-	10.1
DIWANIYA	8.8	9.3	8.5	10.2	9.7	9.6	9.9	9.3	9.4
NASIRIYA	8.9	8.8	9.6	9.0	8.7	9.4	10.0	9.2	9.2
BASRAH	12.4	11.4	12.6	13.5	13.6	13.8	13.9	12.9	13.0
HABBANIYA	8.7	8.6	9.0	8.9	8.4	9.1	8.9	8.6	8.8

TABLE 10

المعدل الشهري لدرجات الندى (سنتغراد)

MONTHLY MEAN DEW POINT (C^{o})

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	4.2	3.8	4.5	4.6	4.0	5.3	5.5	4.2	4.5
MOSUL	3.5	2.7	4.0	4.1	2.3	2.2	3.5	3.7	3.3
KIRKUK	2.3	2.7	3.7	2.4	2.1	2.5	2.6	2.5	2.6
RUTBAH	0.1	0.4	0.7	1.0	0.5	1.0	1.1	0.1	0.6
HAI	-	5.7	6.1	7.1	6.8	7.3	6.1	-	6.5
DIWANIYA	4.6	4.4	5.6	6.8	5.6	6.5	6.3	5.6	5.7
NASIRIYA	4.7	4.9	5.6	4.4	4.1	5.6	6.4	5.2	5.1
BASRAH	10.0	8.6	10.1	11.1	11.3	11.5	11.6	10.6	10.6
HABBANIYA	4.4	4.2	4.8	4.5	3.8	5.1	4.4	4.1	4.8

TABLE 11

المعدل الشهري لكمية الغيوم الواطئة (بالاعشار)

MONTHLY MEAN LOW CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.2	1.7	1.4	1.0	1.1	0.8	0.8	1.4	1.2
MOSUL	3.6	2.7	2.6	2.7	2.8	2.7	2.0	3.0	2.8
KIRKUK	2.0	2.2	2.3	2.3	2.8	2.1	1.7	1.8	2.2
KHANAQIN	-	1.5	1.3	2.0	2.2	2.0	1.0	-	1.7
RUTBAH	0.5	0.0	0.3	0.5	1.2	1.3	0.9	0.6	0.7
HAI	-	1.3	1.2	1.1	0.8	0.9	0.6	-	1.0
DIWANIYA	0.9	0.9	0.6	1.0	1.1	0.6	0.7	0.4	0.8
NASIRIYA	0.4	1.5	0.8	1.4	1.4	0.7	0.4	0.2	0.9
BASRAH	0.0	0.4	0.8	0.6	0.3	0.4	0.1	0.0	0.3
HABBANIYA	0.7	0.7	0.3	0.8	0.8	0.9	0.8	0.7	0.8

TABLE 12

المعدل الشهري لكمية الغيوم (بالاعشار)

MONTHLY MEAN TOTAL CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.7	2.8	3.7	3.9	3.6	3.2	2.1	2.8	3.1
MOSUL	4.5	4.2	4.7	4.4	4.3	4.6	3.4	4.1	4.3
KIRKUK	3.4	3.6	4.2	4.6	4.1	3.9	2.6	3.2	3.7
KHANAQIN	-	4.0	4.0	4.0	4.0	3.3	2.5	-	3.6
RUTBAH	2.0	2.7	2.8	2.8	3.7	3.6	2.3	2.2	2.8
HAI	-	2.8	3.3	3.1	3.3	3.3	2.4	-	3.0
DIWANIYA	1.6	2.6	2.9	3.1	3.1	2.4	2.0	1.4	2.4
NASIRIYA	2.0	3.2	3.0	2.8	2.5	2.3	1.2	1.3	2.3
BASRAH	1.8	2.4	3.3	3.0	2.6	2.7	2.2	1.6	2.5
HABBANIYA	2.4	3.0	3.3	3.1	3.0	3.3	2.2	2.9	2.9

RUARY 1960.

SURFACE WIND — NUMBER OF OBSERVATIONS (%)

STATION	TIME GMT.	DIRECTION N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS 1-10	11-21	22-33	≥34	MEAN V.K.
	0000	3	2	1	7	1	1	2	9	3	20	4	2	0	7
	0300	4	3	1	5	1	0	1	7	1	18	2	2	0	6
	0600	1	0	3	3	0	1	1	14	6	21	1	1	0	6
	0900	3	2	4	3	3	1	2	9	3	20	0	1	0	9
BDAD	1200	9	1	1	5	2	1	2	5	0	21	8	0	0	9
	1500	6	0	2	4	1	1	1	8	6	19	3	1	0	8
	1800	4	1	3	6	0	0	2	5	8	17	3	1	0	7
	2100	3	1	1	7	0	1	0	8	5	20	2	2	0	7
	TOTAL	37	10	16	40	8	6	14	65	35	156	31	10	0	7
	0000	1	1	3	2	1	1	6	3	11	12	5	1	0	6
	0300	2	1	4	2	2	1	6	6	5	19	3	0	0	6
	0600	4	1	1	3	2	0	7	5	2	22	4	0	0	6
	0900	3	1	5	4	2	0	7	5	2	19	7	0	0	8
UL	1200	3	1	5	4	3	2	7	2	4	18	7	2	1	10
	1500	5	0	3	4	2	0	9	3	4	20	3	1	0	7
	1800	5	4	4	3	1	2	5	2	6	17	3	1	0	7
	2100	5	0	5	2	3	2	5	1	6	16	6	0	1	7
	TOTAL	28	9	28	24	16	10	51	29	37	143	44	5	3	7
	0000	2	7	1	3	2	0	4	2	11	14	3	0	1	6
	0300	5	11	1	3	3	0	0	4	5	20	3	0	1	6
	0600	3	4	4	3	4	0	0	1	10	17	0	2	0	6
	0900	1	0	4	6	6	3	4	3	5	19	4	0	1	6
KUK	1200	4	0	0	3	7	1	3	2	3	22	1	2	1	5
	1500	3	0	1	2	3	1	3	2	1	13	2	0	1	5
	1800	1	4	2	3	2	0	1	0	6	10	2	0	1	4
	2100	2	5	1	4	4	0	0	1	2	15	1	0	1	4
	TOTAL	21	31	11	27	33	5	18	12	74	130	16	4	7	5
	0300	0	8	0	11	0	0	0	0	10	17	1	0	1	5
	0600	1	4	0	10	0	1	0	0	3	13	2	0	1	5
	0900	1	2	0	9	0	8	0	2	7	19	1	1	1	7
	1200	0	0	0	9	0	14	2	2	2	24	1	1	1	7
ANAQIN	1500	0	0	1	7	1	12	1	1	6	21	0	2	0	6
	1800	0	5	1	4	0	1	0	1	17	9	0	3	0	4
	TOTAL	2	19	2	50	1	36	3	6	55	103	5	7	4	6
	0000	1	0	1	1	3	4	2	3	14	12	3	0	0	4
	0300	0	0	0	0	1	7	4	2	15	13	4	0	0	4
	0600	1	1	1	1	2	9	7	2	5	20	4	0	0	6
	0900	1	1	1	3	7	2	6	5	3	19	6	1	0	8
TBAH	1200	2	1	0	4	3	4	7	4	4	18	5	2	0	9
	1500	6	1	2	4	3	1	4	4	4	21	3	1	0	6
	1800	4	0	2	5	3	1	2	3	9	15	5	0	0	5
	2100	2	0	0	1	3	2	1	7	13	11	5	0	0	4
	TOTAL	17	4	7	19	28	30	33	30	67	129	32	4	0	6

BRUARY 1960.

BLE 13-b

شباط ١٩٦٠

عدد تكرار وصدات الرياح السطحيـــــــة

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطـــة	الوقت كرينتش	DIRECTION الاتجـــاه								SPEED IN KNOTS السرعة بالعقد				معدل السرعة
ATION	TIME GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	MEAN V.K.
حـــبي	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	4	1	5	1	1	1	6	7	3	22	4	0	0	6
	0600	4	0	4	1	1	1	5	8	5	19	5	0	0	7
	0900	6	0	3	4	2	0	3	8	3	13	10	3	0	10
I	1200	2	1	2	3	0	0	4	12	5	13	9	2	0	9
	1500	3	1	2	2	0	0	4	8	9	15	4	1	0	6
	1800	3	0	3	3	0	0	5	8	7	16	6	0	0	7
	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	22	3	19	14	4	2	27	51	32	98	38	6	0	8
ديوانية	0000	6	1	6	1	1	2	7	1	4	20	5	0	0	6
	0300	5	2	6	0	3	1	7	2	3	21	5	0	0	7
	0600	4	1	3	2	1	1	10	3	4	21	3	1	0	7
	0900	7	0	3	2	1	2	6	7	1	16	11	1	0	9
I ANIYA	1200	9	0	2	4	1	1	5	5	2	15	11	1	0	9
	1500	6	1	7	0	2	0	5	5	3	22	3	1	0	6
	1800	8	1	5	3	0	0	6	0	6	19	3	1	0	6
	2100	5	0	4	2	1	0	8	2	7	18	3	1	0	7
	TOTAL	50	6	36	14	10	7	54	25	30	152	44	6	0	7
ناصرية	0000	6	1	3	4	1	1	6	6	1	24	4	0	0	7
	0300	5	1	5	2	4	0	6	5	1	24	4	0	0	7
	0600	7	1	3	3	2	1	4	8	0	24	5	0	0	8
	0900	5	2	3	5	2	1	4	7	0	18	11	0	0	10
ASIRIYA	1200	7	2	3	3	2	0	0	12	0	16	13	0	0	10
	1500	9	3	4	2	0	0	2	4	0	22	2	0	0	6
	1800	8	3	3	3	2	0	3	7	0	26	3	0	0	7
	2100	6	2	1	4	0	0	5	6	0	20	4	0	0	7
	TOTAL	53	15	25	26	13	3	30	55	2	174	46	0	0	8
بصرة	0000	7	1	2	1	4	0	2	6	6	19	4	0	0	5
	0300	6	2	1	1	2	1	5	4	7	17	5	0	0	5
	0600	4	2	0	2	3	0	6	9	3	15	11	0	0	7
	0900	2	1	2	1	4	1	3	12	3	13	12	1	0	10
ASRAH	1200	2	1	1	3	2	2	1	13	4	15	8	1	1	10
	1500	2	0	4	3	0	0	1	15	4	20	5	1	0	6
	1800	4	0	2	2	4	0	2	11	4	24	1	0	0	6
	2100	7	1	0	2	2	0	2	8	7	17	5	0	0	5
	TOTAL	34	8	12	15	21	4	22	78	38	140	51	2	1	7
حبانيـــة	0000	3	2	1	5	2	1	2	5	8	15	4	2	0	8
	0300	0	2	3	3	2	1	3	10	5	20	2	2	0	6
	0600	1	0	4	4	0	1	5	9	5	16	7	1	0	8
	0900	3	0	3	3	3	1	6	10	0	18	9	2	0	10
ABBANIYA	1200	3	0	2	4	4	0	6	8	2	18	7	2	0	9
	1500	3	0	2	7	0	0	5	8	4	19	4	1	1	8
	1800	4	0	4	8	0	0	3	5	5	18	5	0	1	7
	2100	2	1	2	7	1	0	5	6	5	17	4	3	0	8
	TOTAL	19	5	21	41	12	4	35	61	34	141	42	13	2	8

FEBRUARY 1960.

TABLE 14-a

الهطول المطري (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ	بغداد	موصل	كركوك	خانقين	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1										tr.
2	1.8	5.1	3.0			tr.	6.9			
3		0.4	5.0	6.5		2.3	0.1	3.9	tr.	
4						tr.		1.9	0.2	
5		1.2	tr.			0.3	tr.	tr.	1.5	
6										
7										
8										
9		0.2								
10	tr.					tr.	tr.	tr.	tr.	
11								tr.		
12										
13										
14										
15										
16			0.5		4.8		0.8			
17	8.2	6.8	4.3	0.2	0.6	9.8	6.3	12.1	3.5	2.4
18		5.4	0.2	3.6		1.9		0.4	0.3	8.0
19		0.5	0.7							
20		tr.								
21										
22										
23		1.2								
24										
25										
26										
27										
28									0.3	
29										
TOTAL	10.0	20.8	13.7	10.3	5.4	14.3	14.1	18.3	5.8	10.4

RECORDS OF RAINFALL : المقاييس المائية

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	38.0	25	1957
MOSUL	56.7	21	1942
KIRKUK	61.4	18	1953
KHANAQIN	60.5	23	1943
RUTBAH	32.0	14	1930
HAI	26.9	8	1941
DIWANIYA	38.2	1	1953
NASIRIYA	33.5	25	1957
BASRAH	29.9	28	1938
HABBANIYA	30.4	15	1954

EBRUARY 1960.

BLE 14-b.

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) ; Tr. = 0.05 mm.

اليوم	جوارتا	حلبجة	بنجوين	جمجمال	حميمة	اربيل	كيارة	تلعفر	تل عونات
DAY	CHUARTA	HALABJA	PENJWIN	CHAMCHA-MAL	HAMIJA	ARBIL	KAYARA	TELAA-FAR	TEL ANAINAT
1				40.0					
2		12.5						1.2	
3	1.7	17.0	20.0		2.5	10.6		4.5	
4		14.0	54.0			1.3			3.0
5	4.5		10.0						
6			2.0						
7									
8									
9	2.0								
10	2.0								
11									
12									
13									
14									
15							2.0	6.0	
16									
17									
18	2.0	3.0				1.6			7.6
19	10.5	4.0	4.0			7.2			2.5
20			2.0			11.4			
21									
22									
23									
24									4.6
25									
26									
27									
28									
29									
TOTAL	22.7	50.5	92.0	40.0	2.5	32.1	2.0	11.7	17.7

RUARY 1960.

LE 14-c.

شباط ١٩٦٠

الهطول اليومي (ملليمترات)

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

DE	راوندوز RAWAN-DUZ	كوت KUT	هندية HINDI-YA	مندلي MANDILY	هيت HIT	بدرة BADRA	بعقوبة BAI-KOBA	السعدية AL SAIDIYA	المنصور AL MAN-SOOR	سامرا SAMI-RAA
1							1.8			
2	10.0		1.2	40.0				2.0	30.5	
3	50.0	3.2				4.0				tr.
4						1.0				
5	14.0	5.0				2.0				
6										
7									20.3	
8										
9										
10										
11										
12	0.3									
13										
14										
15	20.0									
16	0.7		1.1		2.9					
17			10.2		9.5		6.0	4.0		tr.
18						1.0				9.5
19										
20	20.0									
21										
22										
23										
24										
25										
26										
27										
28										
29										
TOTAL	115.0	8.2	12.5	40.0	12.4	8.0	7.8	6.0	50.8	9.5

FEBRUARY 1950.

شباط ١٩٥٠

TABLE 14-a.

المعدل اليومي للأمطار (بالمليمترات)

DAILY PRECIPITATION (IN MILLIMETRES)

التاريخ	حديثة	طور	بنكرد	سوسنة	شقلاوة	دوكان	سرمولة	سنط	رواندز	صلاح الدين
DATE	HADI-THA	TUR	BIN-KIRD	SIE-SANE	CHAK-LAWA	DOKAN	SARMOLA	SAKAR	RAWAN-DIZ	SALAH-ADDIN
1										
2			3.0	7.0		[illegible]		[illegible]		10.3
3			26.0	3.3		[illegible]				20.8
4		13.2			[illegible]			[illegible]		25.5
5			5.0	0.6						0.4
6										
7										
8										
9						0.5				
10										
11										
12										
13										
14										
15										
16				0.4						
17	22.0			1.7					17.1	
18			5.0			5.0			17.4	20.0
19				1.5		16.0	3.4			50.5
20			8.0				2.0	16.0		
21						1.0		12.0		
22					19.0				10.0	19.3
23				1.2		1.0			10.5	
24									7.0	10.8
25										
26										
27										5.2
28										
29										
TOTAL	22.0	13.2	47.0	15.7	49.0	61.5	5.2	75.0	62.0	168.8

[illegible]BLE 14-c. الهطول اليومي (مليمترات)

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

[illegible]	قلعة ذرة	فاو	معقل	سماوة	رفاعي	السلمان	شبكة	رميثة	علي الغربي
[illegible]TE	QALAT DIZA	FAO	MAIQIL	SAMAWA	AL RUFAI	AL SALMAN	SHABIKA	RUMITHA	ALI AL GHARBI
[illegible]									
[illegible]	13.0		1.3	6.5	5.4				4.2
[illegible]	49.8		2.3	2.0					0.5
[illegible]	3.5				3.3				2.5
	2.0								
	4.0			11.4		10.2		7.0	
		0.6	2.8		5.3	6.5	7.0		7.6
	17.0								
	4.0								
29			1.5						
[illegible]TAL	93.3	0.6	7.9	19.9	14.0	16.7	7.0	7.0	14.8

FEBRUARY 1960.

شباط ١٩٦٠

TABLE 14-f.

الهطول اليومي (ملليمترات)

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

التاريخ	العظيم	باونور	عمادية	مخمور	قرة داغ	الرميل	طوسان	طقطق	زيبار
DATE	AL ADHIM	BAW-NOOR	AMA-DIYA	MAKH-MOOR	KARA-DAGH	AL RUMEL	TUSAN	TAG-TAG	ZEBAR
1							0.7		
2		21.0	14.0	3.0	8.0		3.0	1.5	
3	1.1	3.5	15.0		24.0	3.0	4.5	9.3	53.0
4							tr.	1.0	46.7
5			4.5						
6 7 8 9									
10	0.1								
11 12 13 14 15									
16	1.7			3.0					
17	3.6		4.5	2.0			8.5	3.5	
18	1.0		14.2		4.2		5.6	8.0	
19			tr.				tr.	11.0	18.0
20			6.0	1.0			0.4		
21			3.5					tr.	
22			2.5						
23			12.8				0.9		
24 25 26 27									
28			tr.				1.3		
29			tr.						
TOTAL	7.5	24.5	77.0	9.0	36.2	3.0	24.9	34.3	117.7

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

التاريخ	قادر كرم	كاني سبكا	فتحة	قوسنجق	مركا سور	سديكان	ديانا	كلالا	كفري
DATE	KADER KARAM	KANI-SPEKA	FATHA	KOI-SINJAG	MERKA SOOR	SEDI-KAN	DIANA	GALA-LA	KOFRI
1					11.0				
2			2.5		29.0		17.2		
3	6.0			12.0	46.0	30.2	36.1	13.5	
4	9.0			36.0	57.0	25.0	2.0	52.0	
5				tr.		4.4	8.4		
6				tr.		19.0			4.5
7									
8									
9									
10		16.0							
11									
12			tr.						
13		23.0							
14									
15									
16									
17	1.0	43.0	2.5		16.0				
18	2.5			5.0	7.0	50.1	5.8	17.5	
19				16.0		17.4	24.0	11.2	2.4
20				14.0			4.6	7.2	
21					9.0		7.2		
22				3.0	6.0	28.0			
23						6.0	7.4		
24				5.0				7.5	
25									
26									
27									
28									
29						9.0	4.3		
TOTAL	18.5	82.0	5.0	91.0	190.0	189.4	120.2	108.9	6.9

TABLE 15

CLIMATOLOGICAL SUMMARY الملخصات المناخية

Number of days of Phenomenae : عدد الايام التي حدثت فيها الظواهر الجوية

المحطة	مطر	ثلج	برد	زوابع رعدية	ضباب	زوابع ترابية	الماء		صقيع
							ساحية	غائم	
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY	GROUND FROST
BAGHDAD	2	0	0	0	1	0	9	2	0
MOSUL	8	0	0	0	2	1	5	4	11
KIRKUK	6	0	0	1	0	1	6	4	0
KHANAQIN	3	0	0	1	0	1	8	2	0
RUTBAH	2	0	0	0	0	1	11	1	10
HAI	4	0	0	0	2	0	9	4	0
DIWANIYA	3	0	0	2	1	2	12	2	0
NASIRIYA	4	0	0	0	1	2	13	2	0
BASRAH	5	0	0	1	0	1	13	2	0
HABBANIYA	2	0	0	0	1	3	8	0	2

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة	المجموع الشهري لسطوع الشمس	اكبر يوم لسطوع الشمس		عدد الايام التي لم تظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	DATE	No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	242.4	10.4	24& 28	1
MOSUL	199.3	10.3	11	3
BASRAH	244.2	10.7	14& 15	1
HABBANIYA	224.7	10.8	29	0

TABLE 17.

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية لـ

المحطة	حرارة الحشيش	حرارة التربة بعمق	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	8.4	15.6	17.9
MOSUL	-0.8	11.6	14.2
KIRKUK	5.4	13.4	15.3
RUTBAH	2.1	....	....
HAI	2.5	....	....
NASIRIYA	8.0	....	....
BASRAH	3.8	....	....
HABBANIYA	6.1	16.1	18.2

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 1200 G.M.T. AT BAGHDAD-AIRPORT.

	SURFACE							1000 mbs.,					850 mbs.,					700 mbs.,					600 mbs.,				
DATE	$N_h C_L h_C C_M H_C$	ww	app	ppp	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff
1	00906	07	727	208	19	05	13	16	180	18	06	14	14	547	09	04	18	22	120	02	55	26	18	436	54	68	25	24
2	00907	07	735	134	21	07	15	18	118	18	06	-	-	489	12	07	-	-	088	02	50	-	-	504	59	70	-	-
3	60977	31	708	126	17	08	14	20	102	16	09	-	-	479	11	05	-	-	066	02	58	-	-	289	57	70	-	-
4	00908	00	610	184	19	04	27	06	181	17	08	28	06	545	09	51	22	11	118	52	62	23	23	327	59	69	-	-
5	50982	02	602	205	20	04	31	05	178	18	04	32	06	539	05	04	31	10	096	55	60	26	13	291	67	74	27	16
6	00900	02	718	253	19	04	36	06	215	14	-	34	10	555	47	-	30	11	118	80	-	28	05	315	62	-	26	22
7	00906	01	723	238	18	01	40	12	213	15	02	33	20	563	07	70	35	18	134	50	58	26	27	354	57	66	28	30
8	00901	03	727	181	20	01	31	12	158	18	06	32	16	526	08	55	33	19	104	02	60	28	15	325	57	66	27	25
9	00902	02	725	157	21	01	29	10	143	18	05	32	15	503	07	01	33	15	078	01	57	25	17	298	57	66	25	28
10	30986	01	715	163	21	07	22	03	147	19	08	-	-	464	09	04	-	-	036	53	58	25	18	328	61	67	27	32
11	00901	03	713	185	19	06	34	12	160	17	00	33	15	520	07	05	30	10	088	55	55	26	16	297	59	-	26	15
12	00901	02	719	193	19	00	33	08	169	18	05	31	14	531	07	54	31	20	104	51	63	27	14	320	57	67	26	26
13	00909	02	712	212	20	01	34	10	190	17	05	-	-	548	08	02	-	-	122	51	64	-	-	336	58	72	-	-
14	00906	02	722	210	22	03	34	09	192	19	04	33	11	562	11	66	35	07	142	04	73	32	04	394	55	77	29	10
15	00906	02	714	207	22	00	33	06	197	19	03	36	01	566	09	60	18	06	136	02	72	20	14	362	56	84	28	19
16	00906	02	720	204	22	01	02	03	181	20	53	-	-	551	12	54	-	-	147	02	51	-	-	372	57	64	-	-
17	60981	03	723	160	23	04	19	08	140	20	07	-	-	515	10	09	-	-	101	50	51	-	-	319	58	59	-	-
18	58530	02	708	193	18	12	10	08	166	17	12	-	-	530	09	07	-	-	128	03	55	-	-	392	57	67	-	-
19	41502	02	716	205	20	13	27	03	176	17	13	29	05	544	09	06	30	22	134	01	53	31	37	343	60	65	31	54
20	00901	01	734	179	23	12	34	05	163	19	14	08	-	540	13	08	03	-	152	05	03	01	-	392	53	63	03	-
21	00908	07	745	070	25	11	14	16	074	20	15	31	28	475	19	52	30	60	106	08	01	-	-	393	53	70	-	-
22	11600	02	806	152	23	08	20	08	133	19	08	29	13	502	10	02	29	21	086	00	09	28	30	304	57	67	28	43
23	NO OBSERVATIONS																											
24	NO OBSERVATIONS																											
25	00900	02	729	122	27	01	14	06	167	22	08	-	-	549	11	03	-	-	136	03	57	-	-	363	56	69	-	-
26	00900	02	709	139	24	04	34	12	118	21	07	31	14	498	13	63	31	10	103	04	75	25	32	335	55	82	29	46
27	00900	02	712	179	23	01	34	07	157	21	07	34	10	532	10	50	30	20	124	03	54	26	30	355	55	61	22	36
28	00900	02	736	110	26	05	03	05	102	24	01	05	10	492	12	51	00	00	099	05	57	21	34	331	56	64	24	34
29	11600	03	507	076	23	04	31	10	147	21	06	-	-	503	11	52	-	-	117	02	62	-	-	342	56	70	-	-

note : the sign (-) means not available or no record.

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 1200 G.M.T. AT BAGHDAD-AIRPORT.

DATE	500 mbs. HHH	T	Td	dd	ff	400 mbs. HHH	T	Td	dd	ff	300 mbs. HHH	T	Td	dd	ff	200 mbs. HHH	T	Td	dd	ff	150 mbs. HHH	T	Td	dd	ff
1	578	64	56	26	36	743	76	35	26	41	945	91	-	27	43	-	-	-	-	-	-	-	-	-	-
2	569	65	54	-	-	736	76	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	568	66	54	-	-	736	79	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	571	66	53	-	-	741	79	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	567	66	66	-	-	730	78	91	-	-	942	90	03	-	-	-	-	-	-	-	-	-	-	-	-
6	568	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	70	21	38	-	-	89	26	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	578	67	70	22	36	750	80	37	27	49	935	96	-	27	52	-	-	-	-	-	-	-	-	-	-
9	580	67	64	30	27	748	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	577	71	71	33	33	744	86	88	02	36	930	97	18	12	-	-	-	-	-	-	-	-	-	-	-
11	568	68	-	21	45	734	78	-	27	53	932	91	-	26	76	200	81	-	26	60	-	-	-	-	-
12	571	64	58	22	39	744	80	80	27	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	571	67	60	-	-	747	79	-	-	-	938	96	-	-	-	196	10	-	-	-	-	-	-	-	-
14	569	69	62	18	38	748	78	35	27	49	944	93	06	27	49	212	03	-	26	59	398	01	-	26	40
15	573	67	63	27	16	736	80	61	27	18	937	96	12	26	27	195	11	-	27	58	373	11	-	-	-
16	577	67	77	-	-	744	77	52	-	-	942	92	-	-	-	206	01	-	-	-	392	03	-	-	-
17	571	66	69	-	-	735	78	83	-	-	934	95	-	-	-	195	11	-	-	-	-	-	-	-	-
18	574	68	80	-	-	738	75	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	572	70	78	31	58	733	84	92	31	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	580	65	-	-	-	745	77	-	-	-	946	91	-	-	-	214	02	-	-	-	397	09	-	-	-
21	577	64	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	579	67	79	28	58	733	82	92	28	46	931	94	93	27	45	197	92	99	26	45	-	-	-	-	-
23	NO OBSERVATIONS																								
24	NO OBSERVATIONS																								
25	576	65	78	-	-	744	78	90	-	-	940	94	95	-	-	204	95	15	-	-	-	-	-	-	-
26	574	65	90	25	48	739	73	99	25	61	940	90	20	-	-	209	99	17	-	-	398	99	17	-	-
27	577	64	60	27	44	742	70	-	27	68	943	93	-	-	-	-	-	-	-	-	-	-	-	-	-
28	574	65	75	24	35	739	78	87	26	42	939	94	02	26	42	198	13	21	27	08	375	13	21	76	40
29	573	70	86	-	-	736	78	94	-	-	937	92	03	-	-	205	03	-	-	-	-	-	-	-	-

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (0000 G.M.T.)

FOR 700 & 500 mbs. SURFACE (0000 G.M.T. (Average height and temperatures)

STATIONS	62366			17606			17430			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
300 - mbs.	192	07	11	190	06	12	189	-1	12	190	06	12	192	08	13	194	15	14	193	14	15	193	16	
700 - mbs.	311	-1	17	309	-1	23	309	-2	24	309	-1	19	311	-1	19	315	05	18	316	07	14	316	08	
500 - mbs.	573	-16	33	568	-21	35	566	-23	39	568	-19	35	573	-16	37	580	-14	34	582	-11	21	585	-7	

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (1200 G.M.T.)

FOR 700 & 500 mbs. SURFACE (1200 G.M.T. (AVERAGE HEIGHT AND TEMPERATURES)

STATIONS	62366			17606			17430			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
300 - mbs.	192	07	11	190	08	13	189	-1	16	191	-0	11	192	09	12	194	14	14	194	13	13	193	16	
700 - mbs.	311	-1	17	309	-1	23	309	-2	24	309	-1	19	311	-1	19	315	05	18	316	08	13	316	08	
500 - mbs.	573	-16	33	568	-21	35	566	-23	39	568	-19	35	573	-16	37	580	-14	34	581	-10	21	585	-8	

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20-a BAGHDAD AIRPORT.

Month: February 1960.

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	2							1																	3
>500 -1000M									1	1/2	1	1/2	1/2	2/2	1/1							1	1/3	1/3	18
>1000 -1500M						1				1	1						1	1					1	1	7
>1500 -3000M	1				2	2	2	1	1			1	1	1		2		1		2	1	2	1	1	22
>3 -5KM		1													1				1	1	2				6
>5 -10KM		2		1	9	8	2	2	1		3	2	2	2	3	12	10	7	5	1	2	1			75
>10 -15KM	4	2	6	6	11	8	7	6	4	3	2	1		1	6	11	11	12	7	11	9	6	3	4	141
>15	22	23	22	21	6	9	17	19	22	23	22	23	24	23	18	4	7	8	16	14	15	19	21	20	418
Total	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	696

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 -50																									
>50 -150																									
>150 -300																									
>300 -500																									
>500 -900		1	1	2	2	1	2	2	2	1	1	3	2	1	1										22
>900	29	28	28	27	27	28	27	27	27	28	28	26	27	28	28	29	29	29	29	29	29	29	29	29	674

TABLE 20-b BASWAR AIRPORT. (22) Month: February 1960

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																3
>1000 -1500M						1/1				1/1	1/1	1/1	1/1												5
>1500 -3000M					1	1					2/2	1/1		1/1											6
>3 -5KM					2					1/1		1/1	2/2												6
>5 -10KM	1	1	[illegible]		1/2	3	2	1/4	1/2	1/3	2	2/3	1/3	3/5	3/3	2/3	1	1	3	2	2	1/2	1/4	3	59
>10 -15KM	7	10	7	12	8	7	5	1	5	1	2	1			2	4	8	6	4	5	7	5	3	5	115
>15	21	18	20	17	14	17	21	23	21	23	22	22	23	23	24	22	20	22	22	22	20	22	22	21	502
TOTAL	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	696

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							1	1																	2
>50 -150																									
>150 -300																									
>300 -500																									
>500 -900							2	3	2	1															8
>900	6	9	9	9	10	11	9	9	8	9	8	8	7	8	9	11	8	8	9	8	8	6	5	5	197

TABLE 21-a (23) Month: February 1950 .

BAGHDAD AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (in 5 Octas)

HEIGHT IN 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								2 1	1	2 2
>500-900								1	2 1 2	
(5/8 OR *	1 1 2			1 2			1 2 4	4 6 22	21 16 29	27 27
>900		2 2 1		1 2			2 12 3	11 22	22 4 28	27 29
AND =5/8	2	2 1 5	1	2 8	1	1 5	1 23 7	6 41 16	19 142 29	29 225
	1 1 2			1 2			1 2 4	6 7 22	21 17 29	29 29
TOTAL	2	2 1		1 2			2 12 3	11 23	24 4 29	29 29
	2	2 1 5	1	2 8	1	1 5	1 23 7	6 44 16	19 146 29	29 232

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	G.M.T.
09	12	15	
18	21	To	

To=Total for all hours

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

TABLE 21-E (24) Month: February 1960.

BAGHDAD AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≥ 5 Oktas)

METERS	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
>50-150				1							1
>150-300											
>300-500											
>500-900							1	1	1	1	2
							1				1
								2	1		3
< 5/8 OR *							1	1 7 12 5 21	17 20	29 29	26
>500			1 1			1 2	2	3 3 1	4 23	23 22	28 29 29
AND = 5/8				2			3 3	2 15 4 5	38 22	22 170	29 29 228
			1				1	2 7 12	5 21	17 21	29 29 29
TOTAL			1 1			1 2	3	3 3 1	4 23	23 22	29 29 29
			1	2			3 3	2 17 4 5	38 22	22 171	29 29 232

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.

الجمهورية العراقية

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مديرية الطيران المدنى العامة

REPUBLIC OF IRAQ

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

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شعبة احصائيات المناخ

CLIMATOLOGICAL SECTION

تقرير المناخ الشهرى

Monthly Climatological Data

No. 3, 4 & 5
Vol. 23
Month March, April and May
Year 1960

العـدد ٣ و٤ و٥
مجـلد ٢٣
الشهر آذار ونيسان ومايس
السنة ١٩٦٠

الجمهورية العراقيـــة

وزارة المواصـــــــلات

مديرية الطيران المدني العامة

مديرية الانواء الجويـــــة

قسم الاحصائيات المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معدلات مناخية شهرية لمحطة

شهر

آذار ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR

M A R C H 1 9 6 0 .

مجلد ٢٣ عدد (٣) آذار ١٩٦٠

VOLUME 23 , No. (3) MARCH 1960.

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Weather Report for March 1960.

WARM AND DRY MONTH

Dusty weather was the characteristic of the 1st two days of the month, especially in south and southeast of the country.

Clear weather on the 3rd and 4th.

From 5th to 7th the weather was unsettled, local duststorms accompanied by slight showers of rain over whole Iraq, followed by fine weather from 14th to 20th. On the 21st and 22nd a depression coming from the west caused duststorms. On 23rd another depression came from Turkey caused again duststorms, generally settled weather between 25th and 29th. Occasionally duststorms took place in south of Iraq, low trough extended from Mediterranean caused duststorms over whole Country with strong SE'ly winds around the end of the month.

The temperatures were over normal compared with same period of last year.

Precipitation in North was slight and less than usual. In south the total rainfall was higher than usual

لمحة عامة عن شهر آذار ١٩٦٠ شهر جاف و حار

كان الجو مغبرا في اليوم الاول من الشهر و اقتصر في الثاني على جنوب العراق استقر الجو يومي ٣ و ٤ منه

كان الجو لغاية ٩ منه غير مستقر بالنظر لحدوث زوابع ترابية محلية مصحوبة احيانا بزخات مطر خفيفة شملت انحاء الجمهورية

تحسن الجو في الفترة ما بين ١٤ و ٢٠ منه في يومي ٢١ و ٢٢ منه حدثت زوابع ترابية لوجود منخفض جوي قادم من الغرب في ٢٣ منه اثر المنخفض الجوي القادم من تركيا على شمال العراق و سبب حدوث زوابع ترابية استقر الجو من ٢٥ لغاية ٢٩ منه

في ٣٠ منه تصاعد غبار محلي في جنوب العراق و في ٣١ منه حدثت زوابع ترابية شملت انحاء البلاد نظرا لوجود منخفض جوي قادم من البحر الابيض المتوسط و كانت الرياح جنوبية شرقية شديدة السرعة

كانت درجات الحرارة بصورة عامة فوق معدلاتها و ما يقابلها من السنة الماضية لنفس الشهر

اما الامطار فقد كانت في المنطقة الشمالية و الوسطى شحيحة و اقل مما يقابلها من السنة الماضية لنفس الشهر و كانت الامطار غزيرة في المنطقة الجنوبية

MARCH 1960

TABLE - 1

[illegible]

MEAN DAILY TEMPERATURES (°C) OF 8 [illegible]

التاريخ	بغداد	موصل	كركوك	طبه	تكلي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	MAI	DIWA-NIYA	NASI-NIYA	BASRAH	HABBA-NIYA
1	15.9	8.5	11.5	10.2	18.5	18.2	19.3	21.3	13.8
2	15.7	9.1	11.0	10.6	16.6	15.9	16.7	18.7	14.1
3	16.0	10.8	13.8	12.1	16.5	16.1	15.9	17.2	15.7
4	18.2	14.5	16.8	13.6	18.6	17.5	18.7	17.5	17.9
5	19.2	13.7	17.8	13.3	19.4	19.4	20.5	20.5	18.9
6	16.9	12.4	14.7	13.2	18.4	17.3	16.9	19.6	16.1
7	18.2	12.6	14.8	12.3	19.9	18.7	19.8	21.1	18.4
8	16.3	10.9	13.1	10.4	17.4	15.6	16.9	18.6	15.1
9	15.0	8.3	10.3	10.0	16.1	15.5	15.6	16.8	12.7
10	15.3	6.6	11.5	11.0	16.2	14.8	15.5	16.7	14.6
11	12.2	9.6	11.0	11.4	13.6	13.6	15.5	16.6	10.8
12	11.3	8.7	9.5	8.0	12.0	13.1	13.8	15.8	11.9
13	11.0	8.1	8.5	6.3	11.4	10.4	13.2	14.4	9.6
14	11.4	7.2	8.7	9.7	12.0	11.6	12.3	13.2	10.5
15	13.8	8.8	10.6	9.5	13.9	13.4	13.7	14.0	12.5
16	15.3	11.6	11.6	12.2	16.2	15.7	15.6	15.8	14.9
17	16.5	13.6	13.5	12.3	16.3	16.9	17.0	17.7	15.0
18	16.6	11.4	14.3	13.5	17.3	16.4	17.1	17.3	15.2
19	17.4	12.8	15.3	16.9	18.3	18.8	19.0	18.1	16.9
20	19.4	14.2	17.7	18.6	18.8	19.1	19.5	19.4	15.0
21	18.8	18.3	19.6	20.0	15.4	17.2	18.1	17.5	19.5
22	18.2	12.3	14.2	13.2	17.0	18.2	20.6	19.8	18.0
23	14.3	13.0	13.9	11.7	16.7	15.9	16.7	19.0	15.5
24	14.7	12.8	12.0	11.6	16.2	15.8	15.9	17.4	15.7
25	16.6	12.5	12.1	13.0	16.7	16.6	17.4	17.8	15.9
26	16.8	12.8	14.3	12.9	17.9	17.2	17.5	18.7	15.5
27	17.8	12.5	15.1	15.1	19.4	19.1	18.7	19.2	17.4
28	18.7	14.4	16.1	16.5	19.5	19.8	20.1	20.5	18.2
29	21.1	14.5	17.5	18.7	21.3	21.3	22.0	21.0	21.1
30	21.9	17.2	19.2	20.6	21.7	21.5	22.6	22.7	21.9
31	22.7	16.5	20.7	20.1	23.4	23.5	23.7	23.6	22.9
MEANS	16.6	12.0	13.9	13.2	17.2	16.9	17.6	18.3	15.8

MARCH 1960

ASIA - 2

MEAN DAILY PRESSURE (MB)

DATE	BAGHDAD	MOSUL	KIRKUK	HABBANIYA	RAMADI	HABBANIYA	BAGHDAD	SAMARRA
			KIRKUK			HABBANIYA		
			MOSUL			RAMADI		
			BAGHDAD			BAGHDAD		
1	11.7	14.6	12.7	12.3	13.2	13.1	12.1	12.5
2	12.9	13.6	11.3	13.6	10.1	11.6	09.7	10.5
3	16.3	16.3	16.1	15.1	16.7	17.0	15.9	15.8
4	15.8	15.9	14.9	15.2	16.4	15.5	14.9	14.7
5	11.5	12.2	11.7	11.3	12.8	11.3	11.4	11.4
6	12.5	11.2	12.6	11.7	11.2	11.7	10.1	10.7
7	07.8	08.0	07.4	08.4	07.3	08.4	08.3	07.5
8	10.9	10.5	09.8	10.8	10.0	11.0	09.3	10.2
9	15.1	14.4	13.6	12.9	13.8	14.6	12.1	13.9
10	11.5	14.7	10.5	08.4	12.8	11.8	11.3	11.9
11	09.5	07.9	06.1	09.5	09.5	09.0	08.3	08.8
12	10.9	07.3	08.8	10.8	10.2	10.1	09.2	09.9
13	16.3	18.3	16.9	16.8	16.7	16.6	14.2	14.9
14	19.1	20.8	19.6	18.6	18.4	19.4	16.7	17.7
15	18.4	20.0	18.7	16.9	17.9	18.4	16.5	18.7
16	17.7	19.9	17.8	16.7	17.2	17.0	16.7	16.1
17	18.8	18.7	18.7	19.0	17.7	18.0	17.5	18.9
18	18.2	19.4	18.3	17.5	17.9	18.3	17.0	18.1
19	17.4	19.1	18.8	13.8	17.0	18.3	16.3	17.2
20	15.0	17.5	16.2	11.2	15.5	14.8	15.4	16.7
21	11.5	12.2	11.7	06.5	13.3	11.5	10.7	10.3
22	08.5	10.6	09.6	07.8	09.3	08.7	10.5	09.2
23	10.2	10.4	09.3	10.3	09.3	10.1	09.5	10.2
24	08.4	09.3	08.9	07.6	08.4	08.6	08.4	08.3
25	11.7	13.7	12.5	13.1	11.3	11.7	12.3	11.8
26	15.3	17.6	15.8	15.2	15.0	15.6	14.1	15.6
27	15.9	18.1	16.6	15.8	15.7	15.9	15.4	16.1
28	15.9	17.9	16.4	13.5	15.8	15.6	14.0	15.7
29	16.8	18.4	17.1	12.8	16.8	16.5	15.7	16.2
30	15.4	17.9	16.9	10.5	15.6	14.4	17.8	14.9
31	10.3	12.1	10.9	07.4	11.5	10.3	10.8	12.5
MEANS	1013.4	1014.8	1013.8	1012.3	1013.3	1013.6	1013.5	1013.3

MARCH 1960

TABLE - 3

المعدل اليومي لرطوبة الجو (٪) ـــــــــــــــ ة ١٩٦٠ آذار

MEAN DAILY REALATIVE HUMIDITY (٪) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حيي	سلمانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	SU.A-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	34	58	43	32	55	48	43	50	38
2	37	53	38	36	50	40	38	61	52
3	43	66	44	46	48	47	41	66	50
4	43	51	34	34	46	39	40	62	39
5	38	57	32	36	51	34	31	62	37
6	48	62	43	42	48	46	35	65	53
7	42	68	48	43	49	40	39	59	43
8	46	78	56	58	51	51	41	72	55
9	42	68	51	51	52	49	46	68	51
10	46	85	46	41	45	48	38	68	59
11	87	88	78	80	88	89	85	79	88
12	78	81	80	65	76	77	74	78	77
13	59	57	58	45	66	67	56	71	63
14	52	70	46	33	57	64	51	64	57
15	51	65	43	34	49	56	49	58	64
16	42	51	40	29	47	46	45	59	52
17	44	60	43	37	45	48	31	62	54
18	43	66	44	28	46	52	46	58	55
19	43	56	42	30	45	51	38	47	53
20	33	45	20	29	48	41	48	51	45
21	41	44	25	29	65	60	54	71	47
22	60	93	78	52	73	61	58	73	56
23	68	80	71	55	68	63	68	64	56
24	65	77	78	65	59	58	57	62	59
25	57	81	70	62	60	60	56	68	63
26	56	73	49	43	54	55	48	68	64
27	45	59	41	40	48	47	48	56	51
28	47	62	45	56	52	48	52	61	51
29	40	65	43	41	44	39	45	62	46
30	37	58	42	39	44	45	46	66	45
31	36	67	38	46	46	38	43	67	42
MEANS	48	66	49	44	54	52	48	64	54

MARCH 1960

TABLE-4-a

درجات الحرارة العظمى و الصغرى اليومية (مئوية)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C^{o})

	بغداد		الموصل		كركوك		خانقين		رطبة	
	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	20.6	11.4	18.0	0.5	17.0	7.3	28.4	7.0	16.0	2.0
2	21.4	12.0	18.2	0.4	16.4	6.8	15.5	7.0	18.5	3.5
3	24.3	8.8	18.3	3.2	18.5	8.4	29.1	7.5	19.2	5.8
4	26.5	10.0	22.5	7.6	22.2	11.8	33.8	9.0	23.7	3.2
5	26.7	12.6	20.4	7.8	23.5	13.8	32.0	10.5	20.4	7.6
6	24.5	10.6	21.1	8.2	20.9	9.3	33.5	10.0	20.6	3.5
7	24.9	12.6	18.1	9.9	17.6	11.5	32.2	8.7	18.6	6.0
8	21.3	11.5	17.4	6.4	18.5	9.1	28.6	10.9	16.8	5.3
9	20.5	5.4	13.8	0.9	16.4	4.4	23.3	8.6	17.2	2.8
10	22.7	6.7	11.6	1.1	16.3	4.8	28.3	5.5	21.4	5.2
11	13.6	10.9	13.5	6.3	15.0	6.6	19.5	13.3	16.0	9.3
12	18.1	7.7	13.8	7.5	13.6	7.3	10.9	9.8	14.4	6.3
13	16.6	5.2	14.7	4.1	13.9	3.8	19.5	7.2	12.1	0.2
14	18.2	4.0	15.9	9.0	14.9	9.0	15.0	8.7	15.0	0.5
15	20.4	4.7	17.1	1.0	17.3	5.5	19.0	2.4	20.6	2.0
16	21.6	7.0	19.0	2.5	18.4	5.0	26.5	4.4	18.4	6.4
17	23.2	10.5	19.8	5.1	19.1	8.4	20.5	7.0	20.3	4.0
18	24.3	8.4	21.9	5.5	20.6	7.0	27.8	5.0	23.0	3.8
19	24.7	8.5	22.9	3.6	21.6	7.5	28.8	7.1	23.4	5.2
20	26.8	11.5	22.9	9.0	24.2	10.2	25.6	9.0	26.9	9.0
21	26.5	15.3	26.8	9.1	26.1	12.8	26.2	14.0	29.5	7.5
22	22.7	15.1	13.7	10.6	16.1	12.9	21.7	15.0	19.0	9.5
23	18.2	11.7	19.9	9.8	18.6	10.4	18.3	9.5	18.8	5.0
24	22.8	8.4	18.5	8.0	17.4	7.9	19.6	8.5	17.6	6.1
25	23.5	10.2	19.3	9.9	19.0	8.3	20.3	5.5	19.0	8.0
26	23.6	10.3	20.0	5.4	20.8	6.9	21.7	7.2	20.6	5.6
27	25.2	9.3	20.9	7.0	20.8	9.7	22.5	8.9	22.8	5.4
28	26.4	11.0	21.4	6.6	22.1	9.9	23.0	8.6	22.9	11.8
29	28.3	12.2	23.4	6.4	23.7	9.4	25.6	9.6	26.6	8.8
30	27.8	15.3	24.6	10.8	25.0	14.0	26.8	13.9	28.0	14.0
31	25.9	17.5	21.2	10.4	25.4	15.0	27.2	14.2	29.2	16.2
MEANS	22.9	10.2	19.1	5.7	19.5	8.5	21.4	8.5	20.8	6.1

المقاييس القصوى :

RECORDS OF TEMPERATURES :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	32.7	16	1959	-2.8	5	1952
MOSUL	30.5	23,26&27	1937	-3.9	3	1948
KIRKUK	30.0	31	1952	-5.6	14	1945
KHANAQIN	34.3	16	1959	-2.2	14	1945
RUTBAH	35.0	18	1931	-6.1	14	1939

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TABLE -4-B

DAILY MAXIMUM AND MINIMUM TEMPERATURES

	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	25.2	10.6	23.8	10.1	25.7	7.1	24.2	11.2	23.1	6.7
2	24.8	11.8	23.4	9.8	25.4	8.3	24.3	11.4	24.1	8.1
3	23.6	7.4	23.4	6.6	24.7	4.7	24.0	10.0	24.3	7.1
4	26.6	8.2	25.8	7.4	28.3	5.6	25.8	11.3	26.3	8.4
5	26.7	9.8	26.5	12.6	28.6	10.2	26.3	11.3	27.6	12.2
6	25.2	9.8	24.6	8.8	26.4	7.8	24.8	10.3	25.2	9.3
7	24.0	7.2	23.4	10.0	25.0	7.0	24.2	11.2	24.2	9.7
8	23.8	9.2	23.2	9.2	24.2	6.2	24.2	11.8	24.6	10.1
9	23.8	7.6	23.0	8.0	24.2	6.2	24.2	10.8	24.6	7.6
10	25.2	7.2	24.6	8.0	26.8	6.2	24.2	11.0	25.8	4.9
11	17.2	10.6	17.4	11.6	18.4	9.4	19.4	11.6	17.2	10.2
12	18.4	8.6	17.8	7.8	20.8	5.4	20.4	11.2	18.6	6.4
13	15.8	5.8	15.8	6.0	17.4	3.4	17.4	11.4	16.6	4.6
14	16.8	6.0	16.6	13.2	17.8	12.2	17.4	9.7	17.6	2.9
15	19.6	5.4	21.0	10.6	22.8	8.4	20.0	8.4	20.2	4.7
16	22.2	8.2	22.6	8.1	24.6	7.0	20.8	8.6	22.2	4.5
17	22.2	11.6	24.0	12.0	27.4	11.2	24.2	12.8	23.2	10.4
18	23.8	6.2	23.6	7.6	27.8	7.8	24.6	13.0	22.6	8.3
19	24.9	7.0	24.4	8.3	27.8	9.6	26.1	14.8	25.4	7.3
20	26.7	9.0	26.2	8.0	27.2	5.2	27.0	10.9	28.9	9.4
21	18.2	10.2	24.0	12.0	22.8	12.1	20.6	11.5	23.6	15.6
22	23.2	13.0	25.0	12.3	26.7	13.2	23.5	14.2	24.6	15.3
23	21.6	11.8	22.9	12.5	23.0	13.0	21.8	15.0	20.6	12.0
24	22.2	7.4	23.4	7.4	23.4	5.6	23.9	10.6	22.4	10.6
25	22.4	9.0	24.0	9.5	23.8	10.1	23.7	11.8	22.4	9.4
26	23.4	9.6	23.5	10.6	24.6	10.8	24.0	13.2	22.4	8.9
27	25.0	10.8	26.2	10.1	26.2	9.6	24.7	12.1	24.8	10.9
28	26.0	10.2	27.8	10.6	27.0	13.5	27.8	13.2	27.2	8.5
29	27.7	11.2	29.1	11.4	28.8	14.4	28.8	13.7	29.3	13.5
30	28.4	12.0	29.6	12.8	29.0	15.0	29.8	16.1	29.2	15.1
31	28.4	15.6	29.6	16.3	31.9	17.0	32.9	13.7	27.0	15.6
MEANS	23.2	9.6	24.1	9.6	24.3	10.8	24.7	11.9	23.1	9.3

RECORDS OF TEMPERATURES :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
HAI	33.3	14	1944	0.0	4	1959
DIWANIYA	36.1	14	1944	-3.2	1	1959
NASIRIYA	39.3	16	1959	0.0	4	1959
BASRAH	37.0	17	1959	1.9	9	1959
HABBANIYA	36.1	21	1958	-2.8	1	1938

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TABLE 5 المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

	T I M E - G . M . T .								
STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.4	11.1	15.2	20.1	21.8	20.3	16.8	14.6	16.5
MOSUL	7.6	6.5	10.8	16.5	18.0	15.5	11.5	9.6	12.●
KIRKUK	10.4	9.5	14.4	17.5	18.2	16.6	13.4	11.8	13.9
KHANAQIN	-	9.8	15.5	19.8	20.6	18.4	14.9	-	16.5
RUTBAH	8.4	7.8	11.4	17.4	19.9	18.6	13.7	10.6	13.5
HAI	-	10.1	15.7	20.9	22.3	18.9	15.3	-	17.2
DIWANIYA	11.7	10.6	15.9	22.9	23.6	20.9	16.3	13.9	16.9
NASIRIYA	13.1	11.8	17.3	22.5	23.7	21.1	17.3	15.0	17.7
BASRAH	14.2	13.3	18.1	22.8	23.7	20.8	17.5	15.9	18.1
HABBANIYA	11.6	10.1	14.7	20.5	22.2	19.8	15.5	13.5	16.0

TABLE 6 المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.7	8.0	10.4	12.5	13.0	12.7	11.8	10.0	10.8
MOSUL	6.4	5.6	8.2	10.3	10.6	9.5	8.4	7.8	8.4
KIRKUK	6.8	6.5	9.0	10.4	10.5	9.9	8.6	7.7	8.7
KHANAQIN	-	6.8	9.9	11.5	12.3	11.2	9.4	-	10.2
RUTBAH	5.2	4.6	6.9	9.8	11.1	10.3	9.7	6.5	8.●
HAI	-	7.8	11.3	13.3	13.8	12.2	10.7	-	11.5
DIWANIYA	8.7	8.6	8.1	13.9	14.2	13.2	11.1	9.9	11.●
NASIRIYA	9.7	8.8	11.8	13.7	14.●	13.1	12.2	10.9	11.8
BASRAH	12.●	11.3	14.3	16.6	16.9	15.5	14.1	13.1	14.2
HABBANIYA	8.7	7.7	10.3	12.8	13.7	12.8	11.0	9.9	10.9

TABLE 7 المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.1	13.5	14.8	14.5	12.9	12.6	13.4	13.3	1013.5
MOSUL	15.1	15.5	16.2	15.4	13.6	13.0	14.6	14.9	1014.9
KIRKUK	13.8	14.4	14.6	14.2	12.2	12.8	14.1	14.0	1013.8
KHANAQIN	-	14.8	14.8	13.8	12.5	13.0	14.0	-	1012.0
RUTBAH	12.5	13.●	13.8	13.●	11.4	11.6	12.7	12.6	1012.3
HAI	-	13.5	14.4	14.●	12.6	12.2	13.●	-	1013.3
DIWANIYA	13.1	13.8	14.9	13.7	12.4	12.5	13.5	13.4	1013.5
NASIRIYA	12.8	13.3	14.6	13.8	12.0	12.0	13.1	13.1	1013.1
BASRAH	12.7	13.1	14.6	14.●	12.2	12.3	13.3	13.3	1013.2
HABBANIYA	13.2	13.7	15.0	14.4	12.6	12.4	13.5	13.4	1013.5

TABLE 8 المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (٪)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	60	64	53	38	32	38	49	54	49
MOSUL	85	89	72	46	41	47	68	79	66
KIRKUK	55	63	51	37	33	39	51	59	49
KHANAQIN	-	64	45	34	33	38	45	-	43
RUTBAH	58	62	52	34	24	31	40	51	45
HAI	-	78	60	43	39	46	52	-	54
DIWANIYA	67	69	55	38	33	33	52	59	51
NASIRIYA	63	66	50	33	29	38	50	59	49
BASRAH	77	78	64	51	47	55	67	72	64
HABBANIYA	67	71	56	39	36	42	56	62	54

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TABLE - 9

المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.).

T I M E - G . M . T .

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.4	8.4	8.9	8.5	8.1	8.1	8.0	8.8	8.6
MOSUL	9.0	8.7	9.4	8.4	8.1	7.8	8.1	8.5	8.6
KIRKUK	7.2	7.4	7.8	7.1	6.5	7.0	7.6	7.5	7.3
KHANAQIN	-	7.7	9.8	7.1	7.7	7.8	7.6	-	7.8
RUTBAH	6.7	6.3	7.1	6.7	6.4	6.1	6.1	6.6	6.5
HAI	-	9.6	10.6	10.9	10.3	9.8	10.0	-	10.1
DIWANIYA	9.1	8.9	9.9	9.7	8.7	9.3	9.8	9.9	9.3
NASIRIYA	9.5	9.2	9.7	8.9	8.5	9.5	9.8	10.0	9.4
BASRAH	12.5	11.9	13.4	14.1	14.1	13.9	13.5	13.0	13.3
HABBANIYA	9.1	8.7	9.3	8.9	9.0	9.1	9.6	9.4	9.2

TABLE 10

المعدل الشهري لدرجة الحـــــــــرارة (سنتغراد)

MONTHLY MEAN DRY BULB (C^{o})

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	4.2	4.0	5.0	4.0	3.7	4.7	5.3	4.7	4.5
MOSUL	5.0	4.5	5.6	4.0	3.4	3.1	5.2	5.8	4.6
KIRKUK	1.8	2.1	2.9	1.8	0.3	1.0	2.2	2.5	2.2
RUTBAH	0.3	0.1	1.5	0.0	0.2	0.8	0.4	0.5	0.5
HAI	-	6.1	7.6	7.0	6.9	6.4	6.4	-	6.7
DIWANIYA	5.3	4.9	6.6	5.0	4.4	5.6	5.2	5.4	5.4
NASIRIYA	5.9	5.4	6.0	4.5	3.9	5.6	6.5	6.4	5.5
BASRAH	10.1	9.3	11.0	11.6	11.5	11.1	11.2	10.6	10.8
HABBANIYA	5.3	4.8	5.5	4.9	5.1	5.9	6.2	5.8	5.4

TABLE 11

المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD(OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.8	0.7	0.7	1.4	2.3	1.5	0.5	0.4	1.0
MOSUL	4.4	3.5	2.8	3.4	3.5	3.0	2.8	3.7	3.4
KIRKUK	1.5	2.2	2.5	2.5	3.4	2.6	1.5	1.8	2.3
KHANAQIN	-	2.0	2.0	3.0	3.0	2.4	2.0	-	2.6
RUTBAH	1.5	1.2	1.2	1.6	2.4	1.4	1.6	1.0	1.5
HAI	-	0.8	0.6	1.1	1.5	1.1	1.1	-	1.0
DIWANIYA	0.3	0.6	0.7	0.6	1.1	1.2	0.3	0.3	0.6
NASIRIYA	0.3	0.3	0.7	1.1	1.2	0.6	0.1	0.2	0.6
BASRAH	0.5	0.7	0.6	1.2	1.5	0.8	0.5	0.4	0.8
HABBANIYA	0.7	1.1	0.3	0.8	1.7	1.0	1.0	1.1	1.0

TABLE 12

المعدل الشهري لكمية الغيـــــــوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD (OKTAS)

STATION	0000	0300	0600 - 0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.6	3.3	3.5	4.0	4.7	4.3	2.3	2.3	3.3
MOSUL	5.5	5.3	4.8	5.2	5.2	4.6	4.5	5.0	5.0
KIRKUK	3.2	4.5	4.8	5.0	5.0	4.4	3.0	3.1	4.1
KHANAQIN	-	4.0	4.1	4.4	4.4	5.1	3.0	-	4.2
RUTBAH	2.1	2.7	2.7	3.1	4.0	3.7	2.5	2.0	2.9
HAI	-	2.9	3.2	1.7	3.6	3.6	2.3	-	2.9
DIWANIYA	1.5	2.9	3.2	2.9	3.3	3.3	2.4	1.7	2.7
NASIRIYA	1.1	1.8	2.5	3.4	3.1	2.5	1.3	1.3	2.1
BASRAH	1.6	2.5	2.4	2.9	3.4	2.9	1.5	1.5	2.4
HABBANIYA	3.1	3.2	3.3	3.3	4.4	3.8	2.8	2.7	3.3

عدد تكرار رصدات الرياح السطحية

SURFACE-WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	توقيت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	34+	معدل السرعة MEAN V. K.
بغداد GHEDAD	0000	3	1	4	2	0	1	2	5	2	20	4	0	0	5
	0300	4	2	1	2	1	1	2	5	2	20	3	0	0	5
	0600	5	2	2	2	1	1	2	5	2	20	3	0	0	5
	0900	5	0	2	2	1	1	2	5	2	20	3	0	0	5
	1200	4	2	2	2	1	1	2	5	2	20	3	0	0	5
	1500	10	1	2	2	1	0	2	5	2	20	3	1	0	5
	1800	7	1	2	2	1	0	2	5	2	20	3	0	0	5
	2100	4	1	2	2	0	0	2	5	2	20	3	0	0	4
	TOTAL	42	10	21	39	10	18	24	44	40	168	34	6	0	6
موصل OSUL	0000	4	1	6	3	1	0	3	3	8	21	2	0	0	4
	0300	7	2	6	2	1	0	3	3	7	22	2	0	0	4
	0600	13	1	6	2	1	0	3	3	4	22	3	0	0	6
	0900	4	3	6	2	2	0	3	3	2	19	5	0	0	7
	1200	4	3	8	2	2	2	3	3	2	19	10	0	0	8
	1500	6	3	8	2	1	1	3	3	3	20	6	0	0	7
	1800	4	2	7	1	1	1	3	3	8	16	5	0	0	7
	2100	1	1	9	4	2	0	4	2	8	16	5	0	0	6
	TOTAL	43	16	48	21	19	5	31	20	45	156	44	3	0	6
كركوك KIRKUK	0000	1	13	4	3	1	0	1	0	0	19	2	0	0	6
	0300	1	13	4	2	0	0	1	0	10	20	0	0	0	4
	0600	2	3	5	1	1	0	2	0	8	21	0	0	0	4
	0900	2	2	0	6	1	0	3	0	5	23	2	0	0	6
	1200	1	1	1	3	1	0	3	0	7	16	2	0	0	6
	1500	3	3	0	4	2	0	3	2	7	20	2	0	0	6
	1800	0	8	6	1	0	1	1	1	2	16	2	0	0	5
	2100	2	13	5	1	0	1	3	0	6	21	1	0	0	5
	TOTAL	12	56	25	27	14	14	32	6	62	155	23	3	0	5
خانقين KHAQIN	0300	0	0	7	1	11	0	2	0	10	21	0	0	0	4
	0600	0	0	8	1	8	1	3	0	10	19	0	0	0	4
	0900	1	0	1	1	12	1	2	0	8	24	0	0	0	7
	1200	3	1	0	0	11	1	1	2	5	25	0	1	0	8
	1500	4	0	2	1	8	0	13	1	2	26	2	1	0	6
	1800	0	0	5	2	10	0	2	0	12	17	4	1	0	5
	TOTAL	8	1	23	6	60	3	43	3	39	132	12	3	0	5
حديثة HIT	0300	0	0	5	1	1	0	6	5	13	17	1	0	0	4
	0600	0	0	7	2	0	1	5	6	10	14	5	2	0	7
	0900	2	0	4	5	0	0	4	8	8	8	11	4	0	10
	1200	2	1	0	7	0	0	4	9	8	9	11	3	0	10
	1500	4	0	5	2	0	0	3	9	8	17	5	1	0	6
	1800	1	0	7	1	0	0	4	4	14	13	4	0	0	4
	TOTAL	9	1	28	18	1	1	26	41	61	78	37	10	0	7

TIME															
0000															
0300															
0600															
0900															
1200															
1500															
1800															
2100															
TOTAL															
0000															
0300															
0600															
0900															
1200															
1500															
1800															
2100															
TOTAL															
0000															
0300															
0600															
0900															
1200															
1500															
1800															
2100															
TOTAL															
0000															
0300															
0600															
0900															
1200															
1500															
1800															
2100															
TOTAL															
0000	4	1	2	2	5										
0300	5	2	2	2	5										
0600	1	2	2	2	2										
0900	3	0	4	2	2										
1200	3	2	4	2	2										
1500	7	1	5	1	4										
1800	4	0	8	3	1										
2100	4	1	8	3	1										
TOTAL	31	9	36	20	23	1	45	34	49	129	56	8	6	8	

BAGH-DAD	MOSUL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	10.4	tr.		[illegible]					
[illegible]	10.2	1?.5	4.7	[illegible]				20.5	12.7
[illegible]	2.2	[illegible]	[illegible]					[illegible]	
tr.									
tr.	10.4	2.4		[illegible]	[illegible]		[illegible]	[illegible]	tr.
tr.	10.8	1?.9	7.?	[illegible]	[illegible]		[illegible]	[illegible]	tr.
tr.	tr.	10.7	0.8	[illegible]	[illegible]		[illegible]	[illegible]	
0.2	2.7		[illegible]	[illegible]				[illegible]	tr.
	0.9	0.4					[illegible]	[illegible]	tr.
		tr.							
	tr.	0.3			[illegible]				tr.
	1.9						[illegible]	[illegible]	
13.2	64.9	24.2	29.8	12.8	[illegible]	[illegible]	[illegible]	35.8	12.7

RECORDS OF RAINFALL :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	55.6	[illegible]	1938
MOSUL	53.2	6	1954
KIRKUK	97.6	1	1953
KHANAQIN	93.4	21	[illegible]
RUTBAH	25.0	24	1957
HAI	49.1	13	1946
DIWANIYA	66.2	27	1955
NASIRIYA	35.6	14	1946
BASRAH	50.9	5	1946
[illegible]	35.4	23	1954

MARCH 1960

TABLE 14-b

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

DATE	RAWA-NDUZ	TEL-AWINAT	TAL-AFAR	QAYARA	HAWIJA	PEN-JWIN	BACK-RAJO	HALA-BJA	IFTIKHAR
1									
2									
3	13.0								
4									
5	18.0								
6	0.5								
7	16.5		1.0			1.6	2.5	5.0	
8	15.0		0.5				0.5	1.5	
9		1.5	0.3						
10	40.0		3.0		1.5				
11	33.0	5.6	16.0	14.1	6.0	2.3		24.0	6.4
12	3.0	13.2				1.6	5.3	6.0	
13		18.8					0.8		
14									
15									
16									
17									
18									
19									
20									
21	30.0		5.5		4.0				
22		7.1	11.5	6.0	4.0	2.2	8.6	37.8	
23	35.0	19.1		3.2	1.6	5.2	1.5	20.5	15.2
24	0.5		10.0			2.3			
25			2.5				0.5	7.0	
26									
27									
28									
29									
30			2.8					2.0	
31								7.7	
TOTAL	204.5	65.3	53.1	23.3	17.1	15.2	19.7	111.5	21.6

TABLE 14-c
MARCH 1960

الجدول اليومي (مليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. ≤ 0.05mm.

التاريخ	جوارتا	صلاح الدين	دهوك	دوكان	شقلاوة	سرسنك	بيجي	عديلة	سكمزة
DATE	CHW-RTAH	SALAH-DDIN	DOHUK	DOKAN	SHAQ-LAWA	SIRSINK	BIJI	NADI-RTAH	LAMA-RAA
1									
2									
3						0.8			
4									
5						0.7			
6					3.5	0.4			
7			28.0	0.6	19.0	0.5			
8	12.8	8.5			9.8	0.2			
9		5.0	15.9						
10	16.3	20.0	8.2			0.3	1.8	14.0	
11		30.8	12.8	3.7		0.2	7.0		12.0
12	7.5	40.6		1.8	15.7	0.1			
13		6.4							
14									
15		0.8							
16									
17									
18		8.5							
19									
20									
21	8.0		17.8	1.4		1.4	0.6		
22	29.0		27.0	3.6	26.0	0.7	0.8		tr.
23			10.0	0.5	30.0	0.5			
24	10.0		9.5	0.3			0.3		
25	4.0	0.4							tr.
26		10.5							
27									
28									
29									
30							tr.		
31						0.2			
TOTAL	86.8	131.5	127.7	12.0	104.0	6.0	10.5	14.0	12.0

CH 1960 — آذار ١٩٦٠

E 14-d

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) Tr. ≤0.05mm.

	المنصور	سعدية	بعقوبة	بدرة	مندلي	كربلاء	هندية	علي الغربي	رميثة
	AL-MANSOUR	SAADIA	BAAQUBA	BADRA	MAN-DILY	KAR-BALAA	HIN-DIA	ALI-GHARBI	RUMITHA
				4.0				11.5	
			8.3	10.0	11.5	3.0	30.4	3.3	
	10.2	8.0		3.0	11.5	42.2	4.5	10.5	
					12.0	7.4			
20									
21				5.0				1.0	
22				2.0			3.0	0.8	
23	11.4			4.6					
24		10.0		2.0					
25					4.0				
TOTAL	21.6	18.0	8.3	30.0	39.0	52.6	37.9	27.1	0.0

APRIL 1960
TABLE 14-e

(١٤)

نيسان ١٩٦٠

التساقط اليومي (مليمترات)

DAILY PRECIPITATION (MILLIMETRES) tr. <0.05mm.

اليوم	الرميل	طوسان	ميركه سور	كفري	افراز	قادر كرم	عمادية	كلالا	كويسنجق
DATE	AL-RUMIL	TOSAN	MERKA-SOOR	KIFRI	IFRAZ	KADER-KARAM	AMADIA	GAL-ALA	KWI-SINGAK
1								5.2	
2					tr.				
3							3.0		
4								1.0	
5	4.0	0.4	5.0				5.4		
6		0.3	3.0				2.5	2.8	
7		33.5	11.0		4.4		23.0	2.0	7.0
8		3.5	8.0		1.2		16.5	23.7	tr.
9			12.0					6.5	tr.
10		7.2	7.0				18.5	8.5	
11		21.4	21.0		6.8	11.0	16.0		6.0
12		5.2			16.3		10.6		16.0
13						12.0			21.0
14									
15									
16									
17									
18	2.0			4.8					
19									
20									
21		15.6					43.5	26.5	
22		49.5	94.0		28.5	1.7	32.4	36.5	22.0
23		0.9	67.0		13.4	31.5	3.2	1.5	21.0
24		5.8	4.0	17.5	1.3	4.5	3.5		16.0
25		tr.							
26	0.2								
27									
28									
29									
30									
31		5.0	11.0				14.0		
TOTAL	6.2	148.4	243.0	22.3	71.9	60.7	191.1	114.2	109.0

1968

(15)

DAILY PRECIPITATION (MILLIMETERS) tr. ≤ 0.05mm.

FATHA	ZEBAR-BILI	BAWA-NOOR	TAG-TAG	MAKH-MOOR	KANI-SFIKA	DIANA	KARADAGH	TUZ	SINJAR
						[illegible]			
			tr.						
	7.0		tr.			6.0			
			tr.			5.2			
tr.	18.0		3.5			12.	1.0		
	7.0		tr.		7.4	12.2			
	34.0								
2.7	29.0		tr.	7.0					
2.5	36.0		14.2	10.0		18.0	21.5		1.5
	15.0	13.5	16.5			3.0	3.5	6.4	16.6
		1.8			3.2				
					30.3				
	27.0								
tr.	15.0		10.0	2.0		22.7			
2.5	32.0	1.8	20.0	3.4		4.7	45.0	22.9	11.4
2.3		22.5	17.0		32.0		24.0	8.1	
tr.					7.1		5.6		
		1.0		4.0					
		3.0	3.0						
				2.0					
			tr.		6.5	5.5			
10.0	222.0	43.6	84.5	28.0	86.5	90.9	107.6	37.4	29.5

MARCH 1960 — آذار ١٩٦٠

TABLE 14-g — الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. <0.05mm.

التاريخ	سماوة	شبكة	معقل	فاو	قلعة ديزة	رفاعي	سلمان	كوت	سناط
DATE	SAMAWA	SHIBKA	MAQIL	FAO	QALAT-DIZA	RUFAHI	SALMAN	KUT	SANAT
1									11.0
2					3.0				
3									
4							25.0		
5									7.0
6					0.9				18.0
7					1.0				
8					12.0				18.0
9									20.0
10	7.1			10.0					12.0
11	5.1		7.4	1.0				12.7	15.0
12			16.0		18.0			15.7	
13			0.8		13.0				
14									
15									
16									
17									
18						3.4			
19									
20						4.4			
21	1.5			1.4		5.3		4.2	42.0
22			4.6	0.4	21.0	3.3		5.8	24.0
23			1.0		44.0				13.0
24			1.5						
25				2.0					5.0
26									
27									
28									
29									
30									
31									
TOTAL	13.7	0.0	31.3	14.8	112.9	16.4	25.0	38.4	185.0

15.

CLIMATOLOGICAL SUMMARY

Number of Days of Phenomenae

STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	GROUND FROST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY
BAGHDAD	4	*	*	*	1	3	*	5	2
[illegible]	16	*	*	4	2	1	4	1	8
[illegible]	8	*	*	3	*	*	*	2	7
[illegible]IM	7	0	0	2	3	0	0	5	7
[illegible]	5	0	0	1	0	1	0	7	4
[illegible]	4	0	0	3	0	0	0	12	6
[illegible]IYA	5	0	1	5	0	0	0	13	2
[illegible]IYA	5	0	0	2	0	*	0	16	0
[illegible]AB	5	0	0	4	0	0	0	12	1
[illegible]NIYA	1	0	0	1	0	2	0	5	1

16.

DURATION OF SUNSHINE

STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	MAX. SUNSHINE IN ONE DAY DATE	No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	241.4	11.1	18	1
[illegible]	224.0	11.0	29	1
[illegible]H	276.5	11.8	18	1
HABBANIYA	203.1	11.1	20	0

NOTE: NO RECORDS OF SUNSHINE AT HABBANIYA ON DAYS 9,18&25th.

17.

MONTHLY MEAN GRASS AND EARTH TEMPERATURES

STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	EARTH TEMPERATURES 1.2 M
BAGHDAD	8.6	18.3	19.2
[illegible]	* * *	14.3	15.7
[illegible]ERBIL	5.9	15.2	16.2
[illegible]AI	7.3	* * *	* * *
[illegible]AMRIYA	9.3	* * *	* * *
[illegible]ASH AH	6.3	* * *	* * *
HABBANIYA	7.3	18.6	19.6

TABLE 10-a

Month: March 1960

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0001 GMT. AT BAGHDAD AIRPORT.

DATE	SURFACE							1000 mbs.					850 mbs.					700 mbs.					600 mbs.				
	$N_h C_L h C_M h C_H$	ww	app	ppp	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff
1	9x0xx	06	803	123	14	00	34	36	106	10	-	-	-	452	08	-	-	-	026	01	-	-	-	248	56	-	-	-
2	46536	03	807	094	14	53	01	08	082	15	-	-	-	445	10	-	-	-	021	52	-	-	-	226	60	-	-	-
3	00900	02	803	159	10	05	00	00	131	15	05	-	-	490	07	02	-	-	050	54	58	-	-	262	58	65	-	-
4	00900	02	709	153	11	09	15	05	134	14	-	-	-	503	09	-	-	-	073	52	-	-	-	285	57	-	-	-
5	00900	02	710	139	15	02	12	12	119	16	04	-	-	496	11	04	-	-	085	00	55	-	-	301	59	63	-	-
6	00901	03	205	120	13	04	32	03	103	10	06	-	-	479	11	01	-	-	051	51	61	-	-	262	59	70	-	-
7	00900	02	715	098	15	04	09	03	089	16	05	-	-	457	10	52	-	-	031	53	60	-	-	236	60	68	-	-
8	00900	02	103	081	15	05	30	07	070	15	07	-	-	439	09	05	-	-	016	52	56	-	-	223	58	63	-	-
9	43900	03	400	110	13	03	35	04	111	15	03	-	-	464	05	57	-	-	012	55	67	-	-	209	60	15	-	-
10	00900	02	709	133	09	00	00	00	112	12	51	-	-	463	07	56	-	-	032	52	60	-	-	239	61	68	-	-
11	5562x	60	715	066	15	04	22	05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9x0xx	43	208	069	10	10	29	05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	55650	03	103	138	09	06	29	03	105	10	05	-	-	437	00	51	-	-	960	60	62	-	-	134	67	70	-	-
14	00900	02	102	190	06	01	32	02	163	09	02	-	-	450	00	56	-	-	029	57	63	-	-	216	64	32	-	-
15	00900	02	602	184	06	02	00	00	152	11	05	-	-	493	04	00	-	-	041	56	62	-	-	220	64	74	-	-
16	00907	02	706	169	10	02	00	00	144	05	02	-	-	474	04	60	-	-	018	58	65	-	-	199	65	71	-	-
17	70930	02	301	184	12	04	00	00	156	14	52	-	-	514	07	61	-	-	069	57	68	-	-	263	65	68	-	-
18	00900	02	802	188	10	06	00	00	150	12	05	-	-	510	07	53	-	-	074	53	68	-	-	280	60	79	-	-
19	00900	02	803	176	10	04	00	00	145	13	03	-	-	505	08	55	-	-	075	54	63	-	-	275	61	70	-	-
20	00900	02	712	157	14	51	03	10	135	15	03	-	-	506	12	53	-	-	102	02	61	-	-	327	56	67	-	-
21	00907	02	809	125	16	01	11	12	109	13	07	-	-	481	14	56	-	-	086	03	58	-	-	316	56	60	-	-
22	10930	02	724	079	16	06	13	18	074	16	11	-	-	454	15	08	-	-	066	03	54	-	-	275	59	64	-	-
23	50930	01	811	089	14	11	00	00	073	14	11	-	-	448	10	07	-	-	024	53	56	-	-	222	63	66	-	-
24	20930	01	712	078	10	07	00	00	071	11	06	-	-	433	06	02	-	-	986	57	58	-	-	171	65	71	-	-
25	30935	03	101	091	11	08	00	00	076	12	05	-	-	424	05	01	-	-	973	56	59	-	-	160	64	67	-	-
26	00900	02	604	143	11	07	00	00	120	12	05	-	-	471	07	00	-	-	037	54	60	-	-	237	62	69	-	-
27	00900	02	805	155	13	04	33	01	131	15	06	-	-	495	07	54	-	-	052	56	66	-	-	250	65	71	-	-
28	00900	05	705	155	13	06	00	00	132	17	07	-	-	498	09	01	-	-	065	55	55	-	-	260	62	63	-	-
29	00900	02	702	154	15	06	01	02	141	16	04	-	-	511	10	51	-	-	088	52	60	-	-	291	61	68	-	-
30	00900	01	603	158	18	03	10	08	136	18	05	-	-	511	09	00	-	-	085	51	59	-	-	292	62	69	-	-
31	10932	02	715	126	20	04	10	12	116	20	05	-	-	496	14	56	-	-	104	03	52	-	-	328	57	62	-	-

NOTE: THE SIGN (-) MEANS NOT AVAILABLE OR NO RECORD.

Month: March 1958

GEOPOTENTIAL OBSERVATIONS (HEIGHTS) LEVELS AT 0001 GMT, AT BAGHDAD AIRPORT.

Days	300 mbs. HHH	T	Td	dd	ff	250 mbs. HHH	T	Td	dd	ff	200 mbs. HHH	T	Td	dd	ff	150 mbs. HHH	T	Td	dd	ff
1	290	69	-	-	-	426	65	-	-	-	-	-	-	-	-	-	-	-	-	-
2	291	78	-	-	-	429	78	-	-	-	190	05	-	-	-	-	-	-	-	-
3	292	68	47	-	-	427	81	65	-	-	187	06	09	-	-	371	05	-	-	-
4	288	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	286	70	33	-	-	418	69	48	-	-	189	06	-	-	-	372	09	-	-	-
6	291	72	47	-	-	427	65	51	-	-	189	04	-	-	-	-	-	-	-	-
7	286	72	47	-	-	421	68	51	-	-	188	03	09	-	-	372	08	-	-	-
8	284	76	47	-	-	420	68	55	-	-	185	06	09	-	-	367	09	-	-	-
9	284	74	46	-	-	420	69	52	-	-	181	06	-	-	-	-	-	-	-	-
10	284	76	47	-	-	421	67	55	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	348	75	62	-	-	484	62	57	-	-	537	58	18	-	-	175	98	-	-	-
14	298	75	60	-	-	442	65	55	-	-	515	55	08	-	-	-	-	-	-	-
15	299	75	59	-	-	440	67	55	-	-	509	02	09	-	-	116	08	14	-	-
16	295	75	77	-	-	434	62	59	-	-	504	06	07	-	-	161	06	-	-	-
17	296	74	66	-	-	434	62	55	-	-	514	01	12	-	-	174	04	16	-	-
18	296	78	63	-	-	437	63	58	-	-	-	-	-	-	-	-	-	-	-	-
19	295	79	78	-	-	441	62	56	-	-	-	-	-	-	-	-	-	-	-	-
20	293	82	75	-	-	430	70	67	-	-	555	56	08	-	-	-	-	-	-	-
21	291	67	67	-	-	435	78	65	-	-	550	55	06	-	-	201	02	-	-	-
22	290	71	71	-	-	430	68	64	-	-	535	59	04	-	-	185	06	-	-	-
23	288	74	71	-	-	427	66	64	-	-	542	56	08	-	-	179	08	-	-	-
24	288	75	61	-	-	429	69	58	-	-	550	64	08	-	-	164	08	-	-	-
25	288	75	77	-	-	429	67	63	-	-	562	02	06	-	-	163	02	07	-	-
26	291	70	70	-	-	428	62	62	-	-	-	-	-	-	-	-	-	-	-	-
27	291	72	70	-	-	432	58	65	-	-	546	59	08	-	-	-	-	-	-	-
28	293	72	70	-	-	434	64	65	-	-	540	60	-	-	-	-	-	-	-	-
29	296	72	77	-	-	437	63	69	-	-	523	58	03	-	-	-	-	-	-	-
30	296	72	76	-	-	437	63	-	-	-	-	-	-	-	-	-	-	-	-	-
31	297	68	71	-	-	442	70	68	-	-	536	56	03	-	-	04	11	17	-	-

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Month: March 1960

AEROLOGICAL OBSERVATIONS STANDARD LEVELS AT 1200 G. M. T. FOR BAGHDAD AIRPORT

DATE	SURFACE $N_h C_L h_C C_M C_H$	ww	app	PPP	T	Td	dd	ff	1000-mbs. hhh	T	Td	dd	ff	850-mbs. hhh	T	Td	dd	ff	700-mbs. hhh	T	Td	dd	ff	500-mbs. hhh	T	Td	dd	ff
1	00907	06	715	115	28	52	35	09	101	19	03	-	-	469	09	56	-	-	044	50	62	-	-	260	57	68	-	-
2	00900	02	807	114	21	51	32	16	100	20	04	34	22	469	09	58	31	18	030	53	67	28	32	242	60	72	28	41
3	00906	03	715	158	24	51	22	06	142	20	01	21	08	518	09	52	23	10	091	01	61	25	26	315	56	70	26	32
4	00901	03	714	146	26	01	21	06	096	23	03	25	06	525	12	51	24	08	119	52	58	25	21	349	55	65	26	31
5	90[illegible]	25	724	090	29	06	15	15	092	24	07			476	14	02			077	04	58			296	56	68		
6	00906	02	722	118	23	03	29	06	106	21	10	-	-	481	09	03	-	-	061	00	62	-	-	279	57	71	-	-
7	00900	01	724	062	241	04	22	10	057	22	04	21	20	436	11	00	21	20	021	00	57	20	20	236	59	66	22	39
8	35706	01	715	107	21	04	27	12	095	20	04	31	10	467	08	02	31	07	035	54	58	26	39	235	61	67	27	48
9	20808	02	711	139	20	00	28	10	139	19	03	29	07	503	05	52	29	11	063	52	61	29	11	275	60	75	29	42
10	8851x	02	734	104	21	02	05	02	003	16	07			427	02	00			977	54	55			175	64	65		
11	7557x	21	612	045	12	12	08	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	52580	03	612	096	17	04	26	07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	54680	05	603	164	16	00	31	15	138	14	04	-	-	476	01	55	-	-	999	62	67	-	-	166	68	75	-	-
14	00903	03	611	188	18	52	33	10	151	15	02	32	07	505	04	55	31	15	057	55	63	31	16	255	61	77	30	19
15	00901	02	717	179	20	00	36	07	165	17	51	-	-	518	05	56	-	-	076	54	67	-	-	281	60	74	-	-
16	50978	02	707	174	21	01	31	05	148	17	05	-	-	514	07	50	-	-	073	55	59	-	-	269	62	67	-	-
17	52500	02	718	180	22	00	32	09	157	18	02	-	-	522	07	51	-	-	078	56	59	-	-	263	65	68	-	-
18	00901	01	714	175	24	51	29	09	143	20	04	-	-	512	08	52	-	-	090	50	61	-	-	303	59	65	-	-
19	00900	02	718	166	24	05	09	05	145	18	09	-	-	512	08	00	-	-	092	51	58	-	-	312	52	62	-	-
20	00900	02	727	141	27	04	22	03	123	21	06	-	-	505	12	55	-	-	102	02	63	-	-	323	58	74	-	-
21	52680	07	717	110	20	08	13	26	097	19	10	-	-	749	12	10	-	-	089	05	03	-	-	325	55	55	-	-
22	4557x	80	702	082	20	13	13	08	067	21	10	-	-	442	10	03	-	-	018	53	56	-	-	218	61	-	-	-
23	7557x	60	726	103	16	08	28	13	086	15	08	-	-	442	06	01	-	-	997	56	56	-	-	189	63	63	-	-
24	62503	25	017	075	22	04	30	10	154	20	07	-	-	522	06	03	-	-	078	56	59	-	-	262	64	68	-	-
25	62500	03	712	108	23	05	34	03	095	21	08	-	-	469	08	02	-	-	033	54	60	-	-	231	61	69	-	-
26	41608	02	712	147	22	04	30	08	128	20	06	-	-	493	06	02	-	-	056	54	62	-	-	257	60	73	-	-
27	21601	02	719	149	25	01	03	05	136	23	06	-	-	516	09	02	-	-	086	53	59	-	-	292	60	64	-	-
28	31602	03	716	153	26	05	36	02	137	25	05	00	00	516	09	02	22	10	090	52	56	21	28	297	60	64	20	28
29	10985	02	721	164	27	07	12	03	149	25	04	-	-	539	11	03	-	-	125	50	55	-	-	340	58	-	-	-
30	40971	01	720	141	27	05	13	13	124	24	08	-	-	521	15	01	-	-	130	03	51	-	-	359	56	60	-	6
31	6562x	02	612	112	26	08	13	14	095	21	08	-	-	469	09	02	-	-	033	54	60	-	-	231	61	66	-	-

March, March 1960

RAINFALL(INCHES AND HUNDREDTHS) AT 0900 G. M. T. FOR MARCH 1960

DATE	0900-1800					1800-2400					2400-0600				
	RHR	T	Td	dd	ff	RHR	T	Td	dd	ff	RHR	T	Td	dd	ff
1	565	67	77	-	-	-	-	-	-	-	-	-	-	-	-
2	563	66	79	31	32	727	78	96	33	33	927	92	-	28	32
3	571	66	78	26	47	735	79	98	27	58	934	95	95	27	60
4	575	69	74	29	49	731	77	82	26	67	940	91	88	26	62
5	569	67	77	-	-	733	79	88	-	-	-	-	-	-	-
6	563	66	76	-	-	732	78	98	-	-	932	93	93	-	-
7	562	69	-	25	32	724	81	-	25	58	922	95	-	-	-
8	561	70	-	27	60	723	80	-	27	67	921	95	-	26	70
9	566	68	78	29	55	726	81	91	27	56	-	-	-	-	-
10	568	74	76	-	-	714	81	84	-	-	913	93	98	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	561	74	-	-	-	712	86	-	-	-	-	-	-	-	-
14	563	73	88	31	55	723	85	98	29	37	924	94	-	29	35
15	566	70	85	-	-	727	83	97			923	97	-	-	-
16	564	71	75	-	-	724	84	87	-	-	-	-	-	-	-
17	560	76	83	-	-	718	87	95	-	-	911	98	-	-	-
18	570	69	77	-	-	733	82	89	-	-	-	-	-	-	-
19	570	68	75	-	-	732	88	89	-	-	930	95	94	-	-
20	571	67	78	-	-	734	86	91	-	-	-	-	-	-	-
21	573	65	66	-	-	738	77	87	-	-	938	94	-	-	-
22	559	69	-	-	-	-	-	-	-	-	9..	-	-	-	-
23	555	72	73	-	-	715	85	85	-	-	906	91	93	-	-
24	562	70	76	-	-	720	88	-	-	-	911	93	-	-	-
25	560	70	72	-	-	-	-	-	-	-	-	-	-	-	-
26	563	68	75	-	-	726	79	-	-	-	926	94	-	-	-
27	568	68	74	-	-	-	-	-	-	-	-	-	-	-	-
28	568	70	74	26	48	729	83	88	28	48	-	-	-	-	-
29	575	68	-	-	-	736	79	-	-	-	-	-	-	-	-
30	576	66	69	-	-	740	79	83	-	-	939	94	99	-	-
31	581	70	77	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 15 (22) Month: March 1966.

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (0001 G.M.T.)

850,700 & 500 - mbs., Surface , 0001 GMT.(AVERAGE HEIGHT AND TEMPERATURES)

STATIONS	62366			17616			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850 - mbs.,	145	08	28	146	06	13	146	01	16	147	04	14	147	07	15	159	14	18	150	17	14	150	19	11
700 - mbs.,	307	-6	24	302	-3	22	294	-7	16	302	-5	17	304	-3	17	310	02	27	313	06	15	315	09	13
500 - mbs.,	566	-18	48	560	-21	39	553	-24	25	558	-21	32	562	-20	29	573	-16	42	579	-11	17	584	-8	15

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (1200 G.M.T.)

850,700 & 500 - mbs., Surface , 1200 GMT. (AVERAGE HEIGHT AND TEMPERATURES)

STATION	62366			17616			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850 - mbs.,	149	08	18	146	06	15	146	02	11	147	07	14	149	08	15	159	13	19	151	18	14	151	18	10
700 - mbs.,	308	01	24	302	-3	23	301	-6	16	303	-4	17	306	-2	18	311	02	25	314	07	15	315	09	10
500 - mbs.,	569	-18	38	559	-21	37	556	-23	27	559	-21	33	565	-19	34	573	-16	41	580	-10	20	585	-8	15

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20-a Baghdad Airport.

Month: March 1960

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 -200	1			1																			1	1	4
>200 -500M				1/1	1/1	1/1			1/1			1/1	1/1	1/1	1/1	1/1									9
>500 -1000M		1					1			1/1	1/1														4
>1000 -1500M	1	1	1							1															4
>1500 -3000M		1	1	3	2	1	1	1	1	2	2				1	3									19
>3 -5KM					2	1		1	1		1	2	1			1	1								11
>5 -10KM	1	1	3	2	5	4	1	1	2	1	2	2	1	4	5	11	10	2	2	2		1		1	64
>10 -15KM	4	5	5	13	10	13	8	6	5	3	1	6	5	6	6	8	16	17	10	8	5	5	5	5	175
>15	24	22	20	12	11	11	20	22	21	23	24	20	23	20	18	7	4	12	19	21	26	25	25	24	454
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 cause with dust in the air. the second number shows the total.

Frequency of different heights of cloude - 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 -150										1		1													2
>150 -300											1														1
>300 -500										1		1							1	1	1	1			6
>500 -900			1	1				1	1	1	2	3	7	7	5	5	3	2	2						41
>900	31	31	30	30	31	31	31	30	30	28	28	26	24	24	26	26	28	29	28	30	30	30	31	31	694

Frequency of horizontal visibility

T I M E - G.M.T.

isi Ility	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
200M																									
200 500M																									
500 1000M																1									1
1000 1500M																									
1500 3000M									1/1	1/1				1/1	1/1	2/2	1/1	1/1							8
3 5KM							1/1	1/1			1/1	1/1	1/1	1/1	1/1		1/1	1/1	1/1						10
5 10KM	2	2	2	5	1/9	1/6	2	1							1	2	1/3	1/2	3	1	1	1	1	1	45
10 15KM	4	6	8	11	6	9	9	6	2	3	4	5	6	5	4	5	4	3	3	5	4	8	7	4	131
>15	25	23	21	15	15	17	19	23	28	27	26	25	24	24	24	21	22	24	24	25	26	22	23	26	549
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 cloud in the air. The second number shows the total.

Frequency of different heights of cloude-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 -150																									
150 -300	1	1					2	1																1	6
>300 -500																1									1
>500 -900	1	1	1	1	1	2			1	1	2	2	3	1	2		1	1	1	2	1	1	1		27
>900	4	4	6	7	8	6	7	7	11	11	10	12	14	13	9	10	9	7	6	7	4	3	[illegible]	[illegible]	[illegible]

TABLE 21-a

Month: MARCH 1960.

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
>150-300										
>300-500								1	1	
>500-900					2	1	1	1	7	5
>900					2	1 1	2 1	2	1 10	2 1 17
< 5/8 OR = 900	1	1	1 1		3 1	1 2	1 4	12 8	24 12	20 31 31 31
AND > 5/8		1 1 1	1	2	1 1	1 1	10 3	5 8	21 16	6 28 24 26
	1	3	2	2	7	1 1 1	17 8	5 53	19 24	142 28 36 226
	1	1	1 1		3 1	1 2	1 4	13 8	24 12	20 31 31 31
TOTAL	1 1 1	1	2	2	3	1 1 1 1	11 3	5 8	23 23	7 31 31 31
	1	3	2	2	9	2 2 1	20 10	5 56	19 25	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 mode:

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

To= Total for 24 HOURS

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

Month: March 1958

...HPAN AIRPORT

...ncies (percentages) of specified visibility ranges and specified lowest cloud base (≤ 5 Oktas)

HEIGHT	VISIBILITY															
METRES	0 200M	201-500M	501-1KM	1-1.5KM	1.5-2KM	2-3KM	3-4KM	4-5KM	5-6KM	6-7KM	7-8KM	8-9KM	9-10KM	10KM	TOTAL	
0-50																
51-150																
151-300												1	1		2	
301-500												1		1	2	
501-900													1		1	
901-1500													1		1	
1501-3000											1	1		1	3	
3001-5000									1	1		2	1	5	1	1	8
5001 OR *				1	2	5	2	4	11	8	23	14	18	29	30	29
900					1		2	1			2	3	4	5	26	23	28	30	28	30
NO 5/8							1	1		3	3		14	1	8	46	23	22	169	30	30	236
				1	2	5	2	4	11	9	25	15	19	31	31	31
TOTAL			1		1	2	1			2	3	6	5	27	24	21	31	31	31
			1			3	1	3	3	1	15	3	8	49	24	22	177	31	31	248

NOTE:

The nine fi... for each com... tion of visib... by and hei... contain the ... ber of occurr... ces for diffe... times using ... following mo...

00	03	06
09	12	15
18	21	To

G.M...

To: Total for ... HOURS

*ALL CASES WH... CLOUD AMOUNT ... LESS THAN 5/8 ... ENTERED HERE ...

APRIL 1960

الجمهورية العراقية

وزارة المواصلات

المديرية العامة للطيران المدني

قسم الارصاد الجوية

قسم المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

صدور بيانات مناخية شهرية

لشهر

نيسان ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA

FOR

A P R I L 1 9 6 0

مجلد ٢٣ عدد (٤) نيسان ١٩٦٠

VOLUME 23 , No. (4) April 1960 .

General [illegible] of the month		المحتويات
Mean daily temperatures		المعدل اليومي لدرجات الحرارة
Mean daily [illegible]		المعدل اليومي للضغط الجوي على سطح [illegible]
Mean daily [illegible]		المعدل اليومي للرطوبة النسبية
[illegible] their records		درجات الحرارة العظمى والصغرى اليومية [illegible]
[illegible] temperatures		المعدل الشهري لدرجات الحرارة [illegible]
" wet [illegible] temperatures		المعدل الشهري لدرجات الحرارة [illegible]
" pressure at M.S.L.		المعدل الشهري للضغط الجوي على سطح [illegible]
" relative humidity		المعدل الشهري للرطوبة النسبية
" vapour pressure		المعدل الشهري لضغط [illegible]
" dew point		المعدل الشهري لدرجات [illegible]
" [illegible] cloud amount		المعدل الشهري للعبة الغيوم الواطئة
" total cloud amount		المعدل الشهري لأمة [illegible]
Surface wind number of observations of [illegible]		[illegible]
Daily precipitation		الهطول اليومي
Climatological summary		الملخصات المناخية
Duration of sunshine		مدة سطوع الشمس
Monthly mean grass min. & earth temperatures		المعدل الشهري لدرجات الحرارة للحشيش والتربة
Radiosonde observations at Baghdad Ajjyah		[illegible]
850, 700 & 500 mbs., surface (average height & temperatures) at selected station		المستويات ٨٥ و ٧٠ و [illegible] [illegible] الارتفاع في بعض المحطات المنتخبة
Frequency of horizontal visibility at Baghdad & Basrah		[illegible] من مدى الرؤية وارتفاع الغيوم في [illegible]
Combined statistics of visibility and [illegible] at Baghdad and Basrah		[illegible]

GENERAL SITUATION FOR APRIL 1960.

APRIL 1960 ABNORMALLY DRY AND UNSETTLED

The first 5 days of the month were unsettled, due to a depression in the Eastern Mediterranean Sea caused strong SE'ly winds and sandstorms.

Weather became fine on 6th and 7th.

The period from 8th to 13th was fairly settled although local rain and thunderstorms took place in Northern areas.

Unsettled weather occurred from 17th to 18th owing to the depression advanced from West caused thunderstorms and duststorms.

The period from 19th to 22nd was settled .

Unsettled weather occurred from 23rd to 26th owing to a depression over Iraq which caused general dust.

On 27th weather was settled .

A depression on Southern of Iraq caused unsettled weather with rising dust on period 28th to 29th. Then a fine weather on 30th.

The temperatures were below normal and below mean of same month of last year.

The total rainfall for this month was below normal , also below thar the total of same month of year 1959.

لمحة عامة عن شهر نيسان ١٩٦٠

نيسان ١٩٦٠ شهر جاف وغير مستقـــــــر

كانت الخمسة الايام الاولى من هذا الشهر غير مستقرة ، فقد هبت رياح جنوبية شرقية قوية وعم سقوط المطر كما حدثت عواصف رملية من جرّاء وجود انخفاض في الضغط الجوي قادم من شرقي البحر الابيض المتوسط .

تحسن الجو يومي ٦ و ٧ منه

كانت الفترة بين ٨ ، ١٣ منه مستقرة نسبيا رغم سقوط الامطار و حدوث العواصف الرعدية في المنطقة الشمالية . تحسن الجو و استقر بين ١٤ ، ١٦ منـــــه

اما يومي ١٧ و ١٨ منه اضطرب الجو بسبب قدوم جبهة باردة من الغرب ادى ذلك لحدوث زوابع رعدية و ترابية . استقر الجو في الفترة من ١٩ لغاية ٢٢ منه .

تأثر الجو في العراق بالمنخفض الجوي في الفترة من ٢٣ منه لغاية ٢٦ منه مما ادى لحد وشغبار عام شمل انحاء الجمهورية .

في ٢٧ منه تحسن الجو و استقـــــــــــر .

في ٢٨ ، ٢٩ منه تشكل منخفض جوي في جنوب العراق سبب تصاعد غبار و حدوث زوابع ترابية . في ٣٠ منه تحسن الجـــــــو .

كانت درجات الحرارة اقل من معدلاتها و مما يقابلها لنفس الشهر من السنة الماضية .

وكان سقوط الامطار في معظم المحطات اقل من المعدل و مما يقابلها في مثل هذا الشهر من السنة الماضيـــــــــــــــة .

APRIL 1960. نيسان ١٩٦٠

TABLE - 1 المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C°) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	20.9	16.3	18.4	16.5	22.4	20.9	21.5	24.6	20.9
2	21.0	15.4	18.8	16.9	21.7	21.2	21.3	21.7	20.8
3	23.0	16.9	20.1	21.5	22.8	22.0	22.6	22.9	22.6
4	22.4	18.5	20.4	16.1	23.4	21.5	24.4	23.6	21.7
5	20.3	15.4	17.9	15.1	22.0	20.2	23.1	23.7	19.6
6	21.5	16.6	18.9	18.5	22.8	29.1	23.2	24.0	20.3
7	24.7	18.4	22.1	19.4	25.1	25.6	25.0	25.5	24.6
8	20.3	15.8	16.9	17.2	24.6	22.2	25.4	27.5	18.3
9	17.2	12.5	15.5	13.5	22.1	20.5	22.8	24.5	16.7
10	18.2	11.9	14.8	13.8	21.2	18.9	19.0	20.2	17.5
11	18.5	13.9	14.9	15.6	19.8	20.3	20.4	20.4	18.2
12	20.5	15.3	16.9	16.4	19.5	19.9	22.4	22.3	20.3
13	18.2	14.9	15.4	16.7	21.0	20.8	22.4	21.8	18.3
14	18.7	14.0	15.6	16.8	20.0	20.3	21.7	21.4	18.5
15	20.5	15.5	17.1	20.2	21.3	21.3	21.8	22.9	20.7
16	24.1	17.9	20.1	22.4	23.7	24.3	24.4	24.1	24.1
17	24.7	17.5	22.2	22.6	24.8	25.5	25.2	25.8	25.2
18	25.3	19.0	22.7	19.0	27.1	25.4	28.1	28.3	23.6
19	22.0	16.2	17.1	16.9	24.4	22.1	25.1	25.8	21.7
20	22.1	16.9	18.4	17.7	23.2	21.3	23.6	23.9	21.6
21	23.5	18.9	20.0	20.4	24.2	23.3	23.7	24.3	22.3
22	25.6	19.6	22.8	21.4	25.9	25.0	25.1	25.0	25.1
23	26.8	20.7	23.3	22.2	27.1	26.4	26.9	26.8	26.8
24	28.5	21.6	25.0	26.2	28.8	27.5	28.8	29.2	28.7
25	28.4	22.9	26.3	23.5	28.4	28.5	29.6	30.9	28.1
26	26.9	20.0	25.2	19.2	27.0	28.6	28.8	29.2	26.8
27	26.2	17.4	22.7	18.2	28.5	27.1	30.1	30.4	24.3
28	25.8	18.3	21.3	17.8	23.1	25.2	25.8	28.0	23.7
29	25.4	18.2	21.0	17.4	25.0	24.9	23.8	25.7	23.5
30	25.5	18.6	21.3	18.7	25.6	26.3	28.5	24.9	23.8
MEANS	22.9	17.2	19.8	18.6	23.9	23.5	24.5	25.0	22.3

1960. (2) نيسان ١٩٦٠

- 2 - المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

بغداد	موصل	كركوك	رطبة	تكريت	ديوانية	ناصرية	بصرة	حبانية
BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1011.3	1009.9	1010.4	1011.0	1010.8	1012.1	1010.6	1011.0	1011.4
14.7	16.2	14.8	13.9	14.6	14.9	14.3	14.4	14.6
09.9	12.2	10.7	05.9	10.9	10.2	11.1	10.9	09.3
06.4	05.2	05.4	07.0	06.4	06.8	06.4	11.8	06.4
13.9	14.4	13.6	13.8	13.2	14.1	12.9	11.8	14.1
18.3	20.7	19.4	17.5	17.2	18.3	17.2	16.3	18.5
17.4	20.3	18.2	15.3	16.6	16.9	15.4	15.4	17.2
11.6	13.3	12.5	10.3	12.2	10.9	09.4	08.9	11.9
09.3	10.4	09.4	9.8	08.7	09.4	08.3	07.8	09.2
09.4	08.0	09.0	10.7	08.3	09.7	08.6	06.7	09.8
11.9	11.7	11.4	12.3	12.0	12.4	11.9	11.8	11.9
12.8	14.6	13.2	12.6	13.7	13.5	12.6	13.2	12.6
13.6	15.9	14.5	13.3	12.9	13.3	12.9	12.5	13.6
12.4	14.3	12.9	12.0	11.9	12.5	11.8	11.5	12.7
11.3	13.6	12.0	08.8	10.9	11.1	10.7	10.7	11.2
11.7	14.1	12.7	08.4	11.5	11.7	11.2	11.8	11.7
09.7	12.5	11.3	06.4	10.9	09.9	10.4	11.5	09.2
06.3	09.2	05.7	08.8	05.6	06.9	06.1	09.9	06.8
09.5	09.4	08.8	10.9	08.9	10.0	08.6	08.6	09.9
10.3	11.7	10.2	11.7	10.1	11.0	10.4	10.4	10.5
11.8	13.4	12.1	12.3	11.4	12.0	11.4	11.0	11.9
11.0	12.8	11.1	10.5	11.0	11.6	11.2	10.8	10.9
10.5	11.3	11.0	08.1	11.1	10.8	10.9	11.1	09.9
07.6	08.8	08.6	04.5	09.0	08.2	08.9	09.8	06.9
07.0	07.6	07.1	06.1	07.1	06.4	06.8	08.0	07.0
06.1	07.5	06.2	07.0	07.7	05.7	07.4	08.2	05.6
07.9	10.8	08.4	10.4	07.1	07.7	07.1	07.4	08.3
09.8	13.8	10.3	11.8	09.1	09.4	08.7	07.9	10.2
11.8	13.2	12.0	13.3	10.3	11.3	10.5	10.4	12.1
15.3	16.5	15.4	16.8	14.1	15.4	14.0	13.4	15.7
1011.0	1012.4	1011.3	1010.7	1010.8	1011.1	1010.6	1010.8	1011.0

TABLE - 3 . المعدل اليومي للرطوبة النسبية (%)

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	رطبة RUTBAH	حجي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BASRAH	حبانية HABBA-NIYA
1	42	73	52	45	48	39	55	74	44
2	40	68	42	37	47	43	43	71	47
3	34	58	37	29	43	37	44	70	40
4	33	42	29	62	43	39	27	74	39
5	44	70	40	61	43	48	35	74	50
6	41	59	40	39	40	37	38	68	47
7	30	58	29	31	37	28	33	65	33
8	59	78	64	62	45	31	38	60	74
9	77	87	83	66	59	65	56	78	72
10	56	80	75	56	48	55	45	68	55
11	50	75	66	50	49	48	44	79	52
12	47	72	55	46	56	51	46	71	51
13	61	76	68	43	54	54	47	74	64
14	54	77	65	47	51	52	46	78	59
15	45	65	48	42	47	48	42	75	49
16	34	58	40	32	44	38	43	63	40
17	36	65	45	38	48	37	37	56	41
18	40	66	50	51	37	39	29	52	48
19	40	71	64	53	44	46	37	57	43
20	45	69	59	49	41	50	38	63	48
21	40	64	50	42	43	44	40	62	47
22	36	59	38	33	39	44	38	56	41
23	32	56	38	29	36	38	34	55	35
24	31	53	32	19	35	36	33	44	36
25	33	54	31	33	39	33	39	52	46
26	44	63	40	41	47	41	44	59	44
27	40	67	39	35	42	48	37	63	48
28	33	58	38	43	57	37	45	75	37
29	29	58	36	40	38	36	52	72	36
30	30	53	36	36	32	32	37	69	38
MEANS	42	65	48	43	44	43	41	66	47

APRIL 1960.

TABLE 4-a

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°).

DATE	BAGHDAD MAX.	BAGHDAD MIN.	MOSUL MAX.	MOSUL MIN.	KIRKUK MAX.	KIRKUK MIN.	KHANAQIN MAX.	KHANAQIN MIN.	RUTBAH MAX.	RUTBAH MIN.
1	24.9	16.5	23.2	12.8	25.6	14.8	24.0	16.3	24.6	6.8
2	29.1	13.1	22.8	8.9	24.7	13.8	26.0	12.2	25.3	7.3
3	29.0	12.8	25.7	8.9	26.0	14.7	28.0	12.0	31.5	9.5
4	26.3	20.2	23.8	14.3	24.0	19.5	26.0	16.6	28.0	9.5
5	26.7	13.8	22.2	12.5	24.4	13.4	25.0	15.6	22.2	6.7
6	28.5	12.3	24.2	7.0	24.7	12.3	26.5	12.0	26.5	6.8
7	32.0	16.7	27.9	7.9	29.2	14.5	30.0	12.0	25.4	11.2
8	33.4	19.6	18.8	13.6	24.5	16.3	25.0	16.0	23.1	13.7
9	22.6	14.9	15.1	9.3	22.3	14.9	20.0	13.5	20.3	5.4
10	26.2	16.0	19.2	9.2	21.0	5.8	21.6	9.5	15.8	7.8
11	25.9	10.3	21.7	7.4	20.3	5.6	23.0	10.2	22.3	6.0
12	26.3	11.0	22.5	9.2	24.0	11.0	26.0	12.0	22.0	11.3
13	26.1	14.0	24.2	10.3	22.5	14.4	25.0	10.5	23.8	10.6
14	26.4	10.2	22.9	8.6	20.5	10.7	23.0	9.2	24.6	7.7
15	27.2	12.0	23.6	6.4	23.3	10.5	24.6	10.2	27.2	12.0
16	31.3	16.2	26.4	7.5	26.5	12.7	27.4	11.1	29.1	14.4
17	29.1	16.7	21.2	10.2	22.1	15.1	27.0	15.0	31.0	18.2
18	31.4	20.3	25.9	13.8	30.6	17.5	30.0	17.2	25.7	12.4
19	27.6	15.3	23.3	12.6	24.6	12.4	27.4	13.6	23.1	9.7
20	28.1	16.3	23.8	5.4	24.0	11.2	26.0	10.3	25.0	10.8
21	30.8	14.3	27.2	10.1	28.2	12.5	27.5	13.4	27.8	9.7
22	33.7	16.8	27.0	11.7	29.5	15.3	30.0	14.0	28.5	12.6
23	33.5	19.4	28.1	12.1	30.5	17.1	32.0	14.8	31.0	13.8
24	35.3	21.2	26.4	13.0	30.3	20.8	35.0	18.9	32.7	15.8
25	35.4	21.9	30.6	17.7	32.9	19.5	34.5	20.0	30.2	15.3
26	33.2	23.8	25.8	17.0	32.7	17.3	34.5	25.0	27.2	14.2
27	32.5	19.9	26.1	10.5	28.6	16.0	34.0	17.5	33.2	11.0
28	34.7	19.3	27.0	9.0	27.6	15.2	29.0	16.0	24.6	10.1
29	31.7	19.5	27.3	9.9	27.8	15.1	30.3	14.0	23.5	9.5
30	34.8	19.3	27.6	9.2	28.9	13.2	27.8	13.0	25.8	10.3
MEANS	29.2	16.5	24.5	10.9	25.9	14.1	27.4	14.9	25.5	10.8

RECORDS OF TEMPERATURES :

STATION	HIGHEST MAX. C°	DAY	YEAR	LOWEST MIN. C°	DAY	YEAR
BAGHDAD	41.7	28	1958	1.2	1	1956
MOSUL	40.0	?	1928	-1.6	1	1956
KIRKUK	39.6	25	1958	1.1	18	1947
KHANAQIN	39.0	26&27	1958	0.5	1	1956
RUTBAH	39.0	23	1959	-2.0	1	1956

TABLE 14-b . درجات الحرارة العظمى والصغرى اليومية (مئوية)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	ناصرية		ديوانية		حي		بصرة		حبانية	
	NASIRIYA		DIWANIYA		HAI		BASRAH		HABBANIYA	
اليوم	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	27.9	18.6	27.0	18.5	27.6	18.2	31.6	18.9	23.9	16.6
2	28.8	11.6	30.2	11.0	27.6	14.0	28.6	14.4	29.0	12.0
3	30.0	14.6	30.2	12.6	29.8	13.2	30.4	14.9	30.7	12.0
4	32.2	18.4	26.0	17.6	30.0	17.4	34.6	20.1	26.1	19.5
5	29.6	16.2	28.4	12.0	28.4	13.4	28.6	18.9	26.1	16.0
6	29.2	15.7	30.5	14.8	28.5	14.8	28.8	19.4	29.5	11.0
7	32.8	16.2	33.4	16.0	32.5	14.4	34.0	17.3	33.1	15.4
8	33.8	20.4	29.2	20.8	30.6	20.3	37.2	21.4	21.0	16.9
9	30.0	16.2	27.2	14.4	28.4	15.4	31.0	19.7	22.8	12.2
10	27.8	15.9	27.0	10.5	26.0	14.8	24.6	17.2	23.2	10.5
11	27.6	11.7	26.5	12.0	24.6	13.2	26.2	13.6	25.4	10.3
12	29.0	14.7	28.4	12.2	27.2	12.2	29.4	13.4	26.7	14.8
13	28.4	18.0	28.5	13.5	29.4	14.4	28.1	15.7	27.2	12.5
14	27.8	15.6	26.7	13.0	25.0	12.8	26.0	16.1	26.1	11.0
15	28.5	14.0	28.5	11.6	26.5	12.8	27.3	15.0	28.1	11.1
16	31.4	15.7	32.0	16.5	29.6	15.2	31.0	15.2	31.7	16.1
17	33.2	18.6	33.5	17.5	31.6	14.8	32.6	17.7	32.2	18.4
18	35.0	22.9	31.4	18.5	33.4	18.6	37.2	20.7	29.5	20.0
19	32.1	18.7	29.4	15.5	30.5	18.9	31.7	21.5	27.2	15.6
20	31.0	14.3	29.2	13.2	29.0	15.7	30.0	16.7	27.8	17.2
21	31.2	15.1	31.0	14.0	29.4	15.8	30.0	17.6	30.6	13.4
22	32.7	14.8	33.2	15.2	31.6	15.2	31.5	17.4	33.7	16.1
23	35.4	17.4	34.6	16.0	33.4	16.6	34.2	18.7	33.9	21.5
24	37.8	19.3	37.2	17.9	35.7	18.9	37.2	22.0	36.9	21.2
25	38.3	21.6	34.4	23.6	34.8	21.2	39.2	24.4	35.5	21.0
26	33.0	23.8	37.0	23.0	33.6	22.2	34.8	23.6	31.1	22.1
27	37.3	24.6	33.0	21.8	34.6	21.4	36.4	26.0	32.2	18.7
28	29.8	22.9	31.5	18.5	29.2	18.9	36.6	24.9	31.1	15.2
29	32.0	18.1	32.4	17.5	32.4	15.4	31.2	21.9	30.9	16.1
30	32.0	19.0	31.6	17.5	30.6	18.6	30.2	19.4	30.0	17.6
MEANS	31.5	17.6	30.6	15.9	30.1	16.3	31.7	18.8	29.4	15.7

RECORDS OF TEMPERATURES :

STATION	HIGHEST MAX. C°	DAY	YEAR	LOWEST MIN. C°	DAY	YEAR
NASIRIYA	42.8	28	1942	3.6	2	1956
DIWANIYA	42.0	10	1958	1.8	2	1956
HAI	40.3	23	1959	1.9	1	1956
BASRAH	43.8	25	1954	2.8	4	1948
HABBANIYA	41.1	30	1944	2.2	1&2	1956

TABLE - 5

المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	18.7	17.3	22.4	26.5	26.1	26.7	22.7	19.6	22.9
MOSUL	12.5	11.7	17.3	22.1	23.2	20.5	16.2	13.9	17.2
KIRKUK	15.9	15.4	20.7	23.6	24.3	22.1	18.8	15.9	19.7
KHANAQIN	.....	16.1	22.9	24.6	26.2	24.9	20.8	.....	22.4
RUTBAH	13.6	11.6	17.8	22.6	25.0	23.6	19.6	16.0	18.7
HAI	.....	16.8	23.5	27.9	28.9	28.9	21.3	.....	23.9
DIWANIYA	16.9	16.8	24.1	28.9	29.9	26.7	21.0	19.7	23.0
NASIRIYA	19.2	18.4	25.1	29.8	30.4	27.6	23.7	21.3	24.2
BASRAH	20.8	19.7	25.2	29.7	30.5	27.7	24.3	22.3	25.0
HABBANIYA	17.9	16.3	21.7	26.8	28.3	26.0	21.5	19.5	22.3

TABLE - 6

المعدل الشهري لدرجة الحرارة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.2	12.6	15.5	16.5	16.5	16.4	15.1	14.1	15.0
MOSUL	10.9	10.3	13.5	14.6	14.5	13.9	12.6	11.9	12.8
KIRKUK	11.7	11.2	13.9	14.4	14.6	13.8	13.0	12.3	13.1
KHANAQIN	.....	11.7	14.9	15.8	15.9	14.8	13.5	.....	14.4
RUTBAH	9.2	8.4	11.6	14.1	14.8	14.4	11.7	10.0	11.8
HAI	.....	13.0	16.1	17.2	17.2	16.2	14.6	.....	15.7
DIWANIYA	12.9	12.6	16.2	17.8	18.0	17.2	15.1	13.7	15.1
NASIRIYA	14.4	13.5	16.4	17.6	17.7	17.2	16.3	15.3	16.1
BASRAH	18.0	17.0	20.5	23.2	23.9	22.2	20.2	18.9	20.5
HABBANIYA	12.9	12.7	15.3	16.7	17.1	16.6	14.9	14.1	15.0

TABLE - 7

المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.3	11.2	12.2	12.0	10.6	10.1	11.1	11.1	1011.1
MOSUL	12.1	12.7	13.2	12.4	11.3	11.4	12.8	13.0	1012.4
KIRKUK	11.2	11.5	12.0	11.2	10.0	10.3	11.9	12.1	1011.3
KHANAQIN	.....	12.2	11.7	12.1	10.0	10.4	12.0	.....	1011.4
RUTBAH	10.3	11.2	11.9	11.2	09.9	09.9	10.2	10.7	1010.7
HAI	.....	10.9	12.1	11.6	09.9	09.7	10.9	.....	1010.9
DIWANIYA	10.4	11.2	12.5	11.9	10.2	06.8	11.3	11.3	1010.7
NASIRIYA	10.2	10.7	11.5	11.1	09.6	09.5	10.8	11.0	1010.6
BASRAH	10.2	10.9	11.9	11.4	09.7	09.4	10.6	10.7	1010.5
HABBANIYA	10.2	11.2	12.3	12.0	10.3	10.0	11.1	11.0	1011.0

TABLE - 8

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	52	58	46	35	28	31	42	47	42
MOSUL	84	86	66	46	40	50	68	81	65
KIRKUK	60	61	46	35	32	38	51	58	48
KHANAQIN	..	60	40	32	31	34	42	..	40
RUTBAH	54	65	50	36	29	31	36	45	43
HAI	..	66	48	34	30	40	49	..	45
DIWANIYA	57	61	41	29	27	36	43	49	43
NASIRIYA	57	56	38	25	24	30	43	51	40
BASRAH	76	76	65	57	57	61	69	72	67
HABBANIYA	58	65	49	34	29	35	47	54	46

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TABLE - 9

MONTHLY MEAN VAPOUR PRESSURE (MILLIBARS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.9	10.9	12.1	10.7	10.0	9.6	10.6	10.9	10.9
MOSUL	12.1	11.7	13.1	11.7	10.7	11.6	12.2	11.7	12.0
KIRKUK	10.9	10.1	10.6	9.3	8.9	9.1	10.5	10.7	10.1
KHANAQIN	....	10.5	10.6	10.4	10.1	9.7	10.6	10.7	10.4
RUTBAH	5.2	5.5	5.9	5.2	4.8	4.7	5.3	5.3	5.2
HAI	....	12.4	11.6	12.3	11.9	12.0	12.1	12.3	12.1
DIWANIYA	11.6	11.4	12.1	11.5	10.7	11.1	11.5	11.5	11.5
NASIRIYA	12.7	11.9	11.9	10.9	10.9	10.9	11.9	11.8	11.6
BASRAH	18.5	17.0	20.1	23.3	25.7	25.0	19.4	18.3	20.0
HABBANIYA	11.0	11.9	12.6	11.2	10.7	11.5	11.2	11.0	11.7

TABLE - 10

MONTHLY MEAN DEW POINT (°C)

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.9	8.3	9.6	7.9	6.5	7.1	8.9	8.9	8.0
MOSUL	9.6	9.1	10.7	9.0	7.6	8.4	9.7	10.3	9.2
KIRKUK	7.5	6.7	7.6	2.7	4.3	5.4	7.3	7.6	6.6
RUTBAH	3.7	4.5	5.8	5.3	4.7	4.8	5.1	4.6	4.9
HAI	....	10.0	11.5	10.4	9.2	10.1	9.8	....	10.1
DIWANIYA	8.6	8.6	9.7	8.9	7.7	8.1	8.8	8.3	8.7
NASIRIYA	10.1	9.4	9.8	7.1	6.0	8.3	10.1	10.3	8.9
BASRAH	16.1	15.2	17.7	19.7	20.7	15.5	17.7	16.5	17.9
HABBANIYA	9.3	9.4	10.3	8.4	7.6	8.7	9.1	9.8	9.0

TABLE - 11

MONTHLY MEAN LOW CLOUD AMOUNT (OKTAS)

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.7	0.8	0.9	1.9	2.3	1.7	1.6	1.6	1.6
MOSUL	4.0	3.1	2.7	3.3	3.3	2.9	3.2	3.2	3.2
KIRKUK	2.0	2.3	2.2	3.5	3.4	3.1	2.5	2.0	2.7
KHANAQIN	...	2.0	2.0	2.3	3.2	2.1	1.1	...	2.1
RUTBAH	0.6	0.9	0.7	1.8	3.0	2.6	1.1	0.8	1.4
HAI	...	0.5	0.5	0.9	1.2	0.8	1.0	...	0.9
DIWANIYA	0.2	0.6	0.5	1.2	1.5	1.4	0.5	0.3	0.8
NASIRIYA	0.7	0.5	0.3	0.8	1.4	1.2	0.8	0.7	0.8
BASRAH	0.7	0.9	1.2	1.1	1.2	0.8	0.9	0.9	1.0
HABBANIYA	0.7	0.5	1.4	1.6	1.9	1.2	0.2	0.5	1.0

TABLE - 12

MONTHLY MEAN TOTAL CLOUD AMOUNT (OKTAS)

	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	3.0	3.3	3.3	4.2	4.9	3.9	2.7	3.1	3.5
MOSUL	5.0	4.6	4.2	4.7	5.2	4.5	4.4	4.3	4.6
KIRKUK	2.8	3.4	3.0	4.2	4.5	5.0	3.6	3.1	3.7
KHANAQIN	...	2.5	3.0	3.2	4.3	5.0	3.0	...	3.5
RUTBAH	2.0	2.6	2.6	3.5	5.0	4.2	2.8	2.1	3.1
HAI	...	3.9	3.7	4.2	5.0	4.4	3.3	...	4.1
DIWANIYA	2.6	3.5	3.1	3.2	3.9	3.4	2.3	2.5	3.1
NASIRIYA	2.0	3.3	3.4	3.8	4.3	4.0	2.4	1.8	3.1
BASRAH	2.9	3.6	3.8	3.8	4.0	3.9	2.9	2.9	3.5
HABBANIYA	2.8	2.5	3.0	3.7	4.1	3.6	2.6	3.1	3.5

BLE - 13 a. عدد تكرار رصدات الرياح السطحية

SURFACE - WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت بغرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	CALM	SPPED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
بغداد BAGHDAD	0000	4	2	6	3	2	0	1	3	9	15	6	0	0	5
	0300	2	2	2	4	4	0	5	6	5	23	2	0	0	5
	0600	4	1	0	4	5	1	3	7	5	22	3	0	0	6
	0900	3	1	1	2	6	1	6	9	1	23	6	0	0	9
	1200	2	2	1	3	2	3	7	10	0	21	9	0	0	9
	1500	3	2	5	2	2	0	7	9	0	28	2	0	0	7
	1800	4	2	5	2	1	0	1	5	10	16	4	0	0	4
	2100	4	3	6	3	1	0	1	4	8	20	2	0	0	4
	TOTAL	26	15	26	23	23	5	31	53	38	168	34	0	0	6
موصل MOSUL	0000	7	1	4	2	1	0	5	2	8	15	7	0	0	6
	0300	8	1	3	1	3	0	6	5	3	26	1	0	0	5
	0600	10	1	2	2	1	0	9	4	1	24	5	0	0	8
	0900	4	2	6	2	2	1	8	7	0	21	8	0	1	11
	1200	4	4	5	1	2	1	10	3	0	16	13	1	0	11
	1500	8	2	6	3	0	2	3	3	3	16	10	1	0	9
	1800	12	2	4	4	0	1	2	2	3	18	7	2	0	8
	2100	10	0	5	5	0	0	2	4	4	18	5	3	0	8
	TOTAL	63	13	35	20	9	5	43	30	22	154	56	7	1	8
كركوك KIRKUK	0000	0	9	4	2	1	1	1	0	12	14	3	1	0	5
	0300	1	13	4	2	0	1	0	1	8	21	0	1	0	4
	0600	0	3	3	8	2	4	2	0	8	17	4	1	0	5
	0900	1	1	0	1	8	7	9	2	1	21	6	1	1	8
	1200	1	2	2	0	1	5	11	0	8	16	5	1	0	6
	1500	6	3	0	1	0	2	10	11	7	20	3	0	0	5
	1800	3	8	4	3	0	0	3	0	9	19	2	0	0	4
	2100	2	13	3	3	0	0	0	0	9	18	3	0	0	4
	TOTAL	14	52	20	20	12	20	36	4	62	146	26	5	1	5
خانقين KHANAQIN	0300	1	0	9	0	6	0	0	0	14	16	0	0	0	3
	0600	1	0	6	0	5	0	3	0	15	13	0	1	1	4
	0900	4	0	0	0	12	0	9	0	5	22	0	1	2	8
	1200	2	0	1	0	9	0	11	2	5	20	4	1	0	7
	1500	3	0	3	1	6	0	0	13	4	26	0	0	0	5
	1800	2	0	3	1	2	0	5	1	16	14	0	0	0	3
	TOTAL	13	0	22	2	40	0	28	16	59	111	4	3	3	5
حديثة HAD	0300	3	0	4	1	0	0	4	5	13	16	1	0	0	3
	0600	1	0	4	2	1	1	6	6	9	18	3	0	0	5
	0900	1	1	2	4	2	1	6	7	6	18	6	0	0	7
	1200	3	1	2	3	0	0	5	8	8	15	7	0	0	7
	1500	3	1	3	1	0	0	4	11	7	21	2	0	0	5
	1800	1	1	3	1	0	0	3	11	10	18	2	0	0	5
	TOTAL	12	4	18	12	3	2	28	48	53	106	21	0	0	5

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TABLE 13-B

نيسان ١٩٦٠

جدول ١٣-ب

عدد مشاهدات الرياح على السطح

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت بالدقيقة TIME GMT.	الاتجاه DIRECTION N	NE	E	SE	S	SW	W	NW	السرعة بالعقد SPEED IN KNOTS 0	1-10	11-21	22-33	34+	معدل السرعة MEAN V.K.
رطبة KUBAH	0000	4	0	2	2	1	1	5	10	5	12	7	5	1	11
	0300	1	1	0	2	0	1	6	9	7	16	1	1	0	6
	0600	5	0	1	4	1	1	3	4	2	13	12	1	0	9
	0900	2	0	1	1	3	1	5	10	2	16	11	1	0	9
	1200	2	0	1	2	2	2	2	5	1	16	10	1	2	12
	1500	2	0	2	1	3	1	7	4	1	17	12	0	0	10
	1800	7	1	3	3	1	1	4	3	6	19	5	0	0	6
	2100	6	0	2	2	1	3	3	3	7	15	7	1	0	6
	TOTAL	29	2	12	17	14	17	38	60	33	124	60	10	1	9
دبوانية DIWANIYA	0000	5	0	4	4	2	3	5	1	7	21	1	1	0	6
	0300	3	1	4	1	2	1	5	1	12	17	1	0	0	5
	0600	5	1	1	0	7	1	3	1	1	22	7	0	0	7
	0900	5	1	1	2	4	1	8	1	2	18	10	0	0	9
	1200	8	3	1	1	1	0	8	1	2	16	11	0	0	10
	1500	13	3	0	0	1	0	2	1	1	22	7	0	0	7
	1800	10	3	1	0	0	0	1	1	1	23	5	0	0	5
	2100	5	3	7	2	0	2	0	0	3	20	1	1	0	5
	TOTAL	53	14	36	11	19	11	33	19	38	179	44	2	0	7
ناصرية NASIRIYA	0000	6	1	3	5	2	3	3	2	2	24	3	0	0	6
	0300	7	2	2	7	2	3	4	1	2	25	2	0	0	5
	0600	4	3	2	5	3	2	6	1	0	27	3	0	0	7
	0900	5	1	5	4	2	2	4	1	0	27	3	0	0	8
	1200	9	0	7	3	0	0	7	1	0	24	5	0	0	10
	1500	7	1	7	2	1	0	1	1	1	21	7	1	0	9
	1800	11	6	7	2	0	0	0	1	1	25	4	0	0	7
	2100	10	1	5	5	1	0	0	3	2	25	3	0	0	7
	TOTAL	59	17	40	33	16	7	25	34	9	192	38	1	0	7
بصرة BASRAH	0000	7	3	0	3	1	0	3	0	13	16	0	0	0	3
	0300	4	2	0	2	2	1	1	1	17	13	0	0	0	2
	0600	3	3	1	3	3	1	1	1	10	19	1	0	0	3
	0900	2	3	1	2	7	1	2	1	5	20	4	0	1	7
	1200	6	0	2	3	5	0	2	1	8	20	5	0	1	7
	1500	3	2	1	4	2	0	1	1	8	19	2	1	0	3
	1800	3	2	1	2	3	2	1	0	16	12	2	0	0	2
	2100	5	3	0	1	4	2	1	2	12	18	0	0	0	3
	TOTAL	33	18	6	20	27	7	12	31	86	137	15	2	0	4
حمانية HAMANIYA	0000	2	2	2	4	1	2	4	0	13	12	4	1	0	6
	0300	0	3	1	3	4	1	1	1	7	20	8	2	0	10
	0600	0	2	1	1	3	4	8	1	0	17	11	1	0	6
	0900	1	1	1	3	2	2	6	1	2	14	6	1	0	6
	1200	3	2	3	1	3	2	1	1	1	16	2	1	0	6
	1500	4	1	5	3	1	1	8	1	4	19	1	0	0	7
	1800	2	5	6	4	0	1	2	1	7	21	2	0	0	4
	2100	1	3	7	12	0	1	1	1	12	17	1	0	0	5
	TOTAL	13	19	26	31	14	14	31	35	48	136	34	6	0	7

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ABLE 14-a .

البطول اليومي (مليمترات)

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

التاريخ	بغداد	موصل	كركوك	خانقين	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1		7.5							1.4	
2										
3								tr.		
4										
5		1.1								
6										
7	tr.									
8	0.7	10.9	6.6	2.6	2.6		0.4	0.1	0.1	2.5
9	tr.	8.6	10.6	7.3			tr.	0.1	8.2	
10		0.9	0.9		tr.				0.3	
11		tr.	tr.	2.2						
12	0.2	1.6	3.3	1.6		tr.	0.9	tr.		tr.
13	2.8		7.2	5.1		tr.	tr.	tr.	0.7	tr.
14		tr.	0.3							
15										
16										
17	tr.	1.1	0.2		4.9					
18		0.5		6.8	0.6					tr.
19		2.8	2.4							
20										
21		0.7								
22		tr.								
23										
24		1.2	0.5			tr.	2.1	5.6	tr.	
25		1.7	1.3		tr.	tr.		tr.		
26	tr.	2.8	tr.	2.2		1.8	tr.	0.3	0.1	tr.
27		0.9		6.8			tr.			0.1
28	tr.								tr.	
29			1.8		tr.			2.0		
30										tr.
TOTAL	3.7	42.3	35.1	34.6	8.1	1.8	3.4	8.1	10.8	2.6

RECORDS OF RAINFALL : المقاييس الماضية

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	25.0	16	1956
MOSUL	74.8	11	1931
KIRKUK	40.9	6	1939
KHANAQIN	50.2	9	1953
RUTBAH	43.7	10	1946
HAI	25.0	22	1946
DIWANIYA	48.0	16	1956
NASIRIYA	25.5	7	1946
BASRAH	87.5	9	1941
HABBANIYA	30.0	7	1955

1	30.0	3.5							
2		2.8							
3									
4									
5		10.5							
6									
7									
8	26.0								
9	41.0	17.8							
10	41.0	5.9							
11	0.5	1.8							
12	0.8								
13			4.0						
14									
15		8.5							
16									
17	11.0								
18	20.0	1.5							
19	15.0								
20		10.2							
21									
22									
23		2.0							
24									
25	0.5								
26									
27									
28									
29									
30									
TOTAL	158.8	57.8	24.3	41.0	13.6	18.1	196.0	87.9	0.0

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TABLE 14-c — الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ DATE	جوارتا CHU-ARTA	صلاح الدين SAL-AHDDIN	دهوك DOHUK	دوكان DOKAN	شقلاوة SHAQ-LAWA	سرسنك SIR-SINK	بيكرد BIN-KIRD	طوز TUZ	سامراء SAMARA
1	4.3		12.2			1.0	6.0		
2					12.0				
3									
4			5.1			1.0			
5						2.0			
6									
7		3.4	2.8						
8		0.8		1.8		5.0	12.0		2.0
9		4.4	17.6	2.4	28.0	3.0	22.0		
10	9.8	5.7	7.2	0.7	13.5	2.5	4.5		
11			9.2	0.7	20.0	1.0	7.4		
12	10.0			0.5	20.0	2.0			
13	9.5		10.0	1.2		3.0			
14	4.2					3.0			
15									
16									
17			13.0			4.3	1.0		
18		4.9	10.0			3.0	1.1		
19	20.8	7.6		0.3	4.0	2.0	2.0		
20	2.8	8.2			10.0				
21						2.0			
22		4.3	5.0						
23		2.8							
24		3.4				5.0	4.0		
25	10.0			0.9		6.0	5.0		
26			2.1						
27		0.4							
28		0.5							
29						2.0			
30									
TOTAL	71.4	46.4	94.2	8.5	107.5	46.8	65.0	0.0	2.0

PRIL 1960 نيسان ١٩٦٠

ABLE 14-d الهطول اليومي (ملليمترات)

DAILY PREICIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ ATE	مركا سور MERKA-SOOR	عمادية AMADIA	ديانا DIANA	زيبار ZEBAR-BELI	باوه BAWA-NOOR	طق طق فتحة FATHA	طق طق TAG-TAG	كلالا GAL-ALA	مخمور MAKH-MOOR
1	8.0	6.0	25.2					36.0	
2	6.0								
3									
4		7.3							
5		8.0	1.7						
6									
7									2.0
8		17.0	23.2	13.0		9.0	14.0	32.5	8.0
9	22.0	15.2	17.5	8.0		3.8	22.5	30.0	5.0
10	4.0	12.0	14.0		2.8		2.0	15.5	
11	10.0	12.5	1.5	12.0	1.9		1.5	7.0	
12	7.0	3.0	2.5	18.0			tr.	9.5	1.0
13	2.0	4.0				2.7	5.0		1.0
14		5.0				tr.			
15									2.0
16									
17		26.0	9.5			tr.	tr.		
18	5.0	3.0	5.8		15.5	tr.		17.0	
19	9.0	3.5	15.7		6.3		2.0	9.0	
20	12.0						1.0		
21	7.0	14.0	1.6	13.0				5.5	
22				7.0					
23	4.0			4.0	4.2		tr.		
24		5.0	4.2	9.0	1.3			5.0	1.0
25	5.0	5.0	3.2	6.0		1.2	2.0		
26	7.0			2.0		tr.			1.0
27		1.0			4.1				
28		4.0							
29									
30									
TOTAL	108.0	152.0	125.6	92.0	36.1	16.7	50.0	167.0	21.0

نيسان ١٩٦

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TABLE 14-e

الهطول اليومي (مليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ	رفاعي	سيلوة	بدعة	شكة	سعفل	فلو	قلعة دزة	بكرجو
DATE	RUFAHI	GAMAWA	BADAA	GHADI-GHIA	MAGIL	FYO	QALAT-DIZA	BAGERAJO
1				[illegible]	0.5			5.0
2							16.0	
3								
4								
5	2.4							
6								
7								
8								16.0
9						3.2	16.0	1.0
10	2.5				6.9		36.0	
11					0.8		9.4	15.0
12							16.4	19.0
13								4.0
14					0.5			2.0
15								
16								
17								
18								
19								16.0
20							13.0	
21								
22	2.3							
23								
24								
25								
26						0.5	5.0	8.0
27							3.0	
28	3.0	tr.					1.0	
29				2.5		6.6		
30								2.0
TOTAL	10.2	tr.	0.0	2.5	9.0	10.3	115.8	88.0

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TABLE 1.4-f

DAILY PRECIPITATION (MILLIMETRES) tr. < 0.05mm

التاريخ	قاسكرم	قره داغ	الرميل	المطيوه	كفرى	كانى سبيكا	طوسان	نوى سليمان	افراز
DATE	KALEH-KARAM	KARA-DAGH	AL-RUMIL	AL-AMIM	KIFRI	KANI-SPIKA	TOSAN	INI-SULAK	IFRAZ
1		6.0				3.2	53.9		1.2
2			9.0					tr.	17.3
3									
4							6.4		
5			5.0				7.0		
6									
7									
8		10.0		1.2		16.4	31.0		7.8
9	8.2	9.0				3.2	26.6	11.0	8.9
10			7.0				4.9	19.0	10.2
11		12.6				3.3	4.5	51.0	2.5
12				0.1		20.2	2.8	6.0	1.7
13		2.0				27.0		6.0	
14	8.5					14.0	0.2	3.0	
15			3.0						
16									
17		3.8		0.1			25.4		
18						3.0	tr.	tr.	20.6
19		15.7				22.3	3.5	5.0	9.9
20	4.6					7.2		4.0	
21							5.8		
22					4.4				
23			0.3						
24							tr.	1.0	
25	5.5			0.1				3.0	0.4
26				0.5			1.8	3.0	
27	3.8	40.0				29.0	tr.		
28							5.5		
29									
30									
TOTAL	30.6	99.1	24.3	2.0	4.4	148.8	159.3	112.0	80.6

APRIL 1960

TABLE 14-g

الهطول اليومي (بالملليمترات) نيسان ١٩٦٠

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

التاريخ DATE	المنصور AL-MANSOOR	سعدية SADIA	بعقوبة BAHCOBA	بدرة BADRA	هيت HIT	مندلي MINDILY	كربلاء KARB-ALAA	سلمان SALMAN
1								
2								
3								
4								
5								
6								
7								
8					13.8			6.0
9			0.5	6.0		21.0		8.0
10								
11								
12	12.0	5.0						
13						6.5		
14								
15								
16								
17	4.0							
18								
19								
20								
21								
22								
23								
24								
25								
26	3.0		6.0					
27		12.0						
28								
29								
30								
TOTAL	19.0	17.0	6.5	6.0	13.8	27.5	0.0	14.0

TABLE 15 ـ

CLIMATOLOGICAL SUMMARY الخلاصات المناخية

NUMBER OF DAYS OF PHENOMENAN : عدد الايام التي ظهرت فيها الحوادث التالية

المحطة STATION	مطر RAIN	ثلج SNOW	برد HAIL	رعد THUNDER STORM	ضباب FOG	غبار DUST	غائم CLOUDY	صحو CLEAR	صقيع GROUND FROST
BAGHDAD	3	0	0	2	1	2	6	5	0
MOSUL	14	0	0	12	0	1	11	7	0
KIRKUK	11	0	0	5	0	3	3	5	0
HINAIDIN	6	0	0	1	0	1	9	3	0
RUTBAH	3	0	0	1	0	0	10	3	0
EBIL	1	0	0	1	0	0	6	6	0
DIWANIYA	3	0	0	3	0	1	5	4	0
NASIRIYA	3	0	0	5	0	3	4	2	0
BASRAH	1	0	1	5	0	0	7	4	0
HABBANIYA	1	0	0	1	0	6	5	4	0

TABLE 16 ـ

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة STATION	المجموع الشهري لساعات السطوع MONTHLY TOTAL SUNSHINE HOURS	اكثر مدة للسطوع في اليوم MAX. SUNSHINE IN ONE DAY HOURS	DATE	عدد الايام التي لم تسطع فيها الشمس No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	205.3	12.2	11	4
MOSUL	214.8	12.0	15	2
BASRAH	231.4	12.1	22	0
HABBANIYA	203.4	11.7	14	4

TABLE 17 ـ

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

المحطة STATION	حرارة العشب GRASS MINIMUM TEMPERATURE	حرارة التربة EARTH TEMPERATURE 0.3 M	1.2 M
BAGHDAD	14.8	23.2	21.0
MOSUL	....	19.5	18.0
KIRKUK	10.3	19.2	17.9
EBIL	13.6	....	....
NASIRIYA	15.7	....	....
BASRAH	14.1	....	....
HABBANIYA	14.2	23.4	21.5

TABLE 18-a

Month: April 1960

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0000 G.M.T. AT BAGHDAD AIRPORT

DATE	SURFACE $N_h C_L h C_M C_H$	ww	appp	PPP	TT	Td	dd	ff	1000 mbs.; HHH	TT	Td	dd	ff	850 mbs.; HHH	TT	Td	dd	ff	700 mbs.; HHH	TT	Td	dd	ff	600 mbs.; HHH	TT	Td	dd	f
1	20932	07	005	073	20	06	27	15	066	17	12	-	-	464	16	08	-	-	083	05	53	-	-	318	55	60	-	-
2	00900	06	601	134	16	07	00	00	109	17	13	-	-	491	12	03	-	-	078	01	56	-	-	279	57	69	-	-
3	00900	02	712	131	16	07	00	00	116	18	07	-	-	506	13	03	-	-	103	02	63	-	-	323	58	70	-	-
4	10937	02	722	022	22	04	13	20	029	23	13	-	-	429	18	02	-	-	056	06	54	-	-	294	55	57	-	-
5	00900	06	705	097	18	06	08	02	085	15	07	-	-	465	11	02	-	-	047	00	56	-	-	273	56	67	-	-
6	00900	02	600	166	14	06	00	00	142	18	11	-	-	534	12	07	-	-	123	02	59	-	-	350	55	65	-	-
7	00900	02	707	190	19	04	02	04	167	22	12	-	-	564	13	03	-	-	165	03	57	-	-	372	56	69	-	-
8	60927	02	723	120	23	06	07	02	104	24	08	-	-	519	18	10	-	-	139	05	00	-	-	374	55	-	-	-
9	20932	02	706	091	14	11	00	00	078	14	08	-	-	450	12	06	-	-	040	00	58	-	-	257	58	61	-	-
10	00900	02	718	081	13	11	10	03	071	12	09	-	-	444	10	01	-	-	015	54	68	-	-	217	61	74	-	-
11	00900	02	301	107	14	08	31	01	090	15	07	-	-	456	08	00	-	-	028	52	55	-	-	234	61	70	-	-
12	45630	03	802	119	16	07	18	05	101	15	08	-	-	475	10	01	-	-	052	53	57	-	-	248	63	66	-	-
13	00902	02	601	134	16	09	09	11	111	16	09	-	-	481	10	03	-	-	060	52	57	-	-	265	60	68	-	-
14	00900	02	706	129	11	08	30	02	108	12	07	-	-	467	07	01	-	-	034	52	60	-	-	237	61	72	-	-
15	00900	02	706	110	14	09	00	00	096	13	09	-	-	469	11	00	-	-	047	51	64	-	-	254	60	76	-	-
16	40936	01	301	108	18	05	05	02	096	18	07	-	-	477	13	01	-	-	076	01	52	-	-	293	58	61	-	-
17	30936	03	707	112	21	07	08	06	118	22	06	-	-	522	17	02	-	-	150	07	00	-	-	400	50	54	-	-
18	45630	01	712	072	21	13	09	16	069	22	13	-	-	489	18	09	-	-	112	07	04	-	-	358	52	55	-	-
19	00900	02	702	079	21	09	33	05	054	19	08	-	-	450	15	05	-	-	058	03	63	-	-	291	54	73	-	-
20	20931	01	708	088	18	08	00	00	077	15	10	-	-	468	14	06	-	-	059	51	54	-	-	274	58	67	-	-
21	00900	02	400	112	17	09	00	00	096	18	12	-	-	487	13	08	-	-	079	00	51	-	-	295	56	65	-	-
22	00900	02	704	111	18	11	00	00	093	21	09	-	-	494	16	04	-	-	102	02	53	-	-	328	56	61	-	-
23	20936	01	702	105	22	09	00	00	093	24	16	-	-	502	17	03	-	-	111	05	53	-	-	342	56	59	-	-
24	20932	01	608	085	23	08	14	08	084	23	11	-	-	503	21	06	-	-	142	08	53	-	-	386	54	59	-	-
25	00906	01	201	064	24	08	16	08	058	26	10	-	-	484	21	04	-	-	124	06	54	-	-	368	55	57	-	-
26	70970	01	709	053	25	11	12	14	047	27	20	-	-	476	22	00	-	-	123	10	56	-	-	376	52	55	-	-
27	6567x	02	400	083	21	15	05	12	067	21	20	-	-	475	19	11	-	-	110	08	03	-	-	355	54	54	-	-
28	00900	02	708	086	21	08	34	05	074	23	17	-	-	472	15	03	-	-	076	02	63	-	-	295	58	72	-	-
29	20936	03	202	107	22	06	36	05	094	25	11	-	-	485	13	00	-	-	072	51	57	-	-	278	62	63	-	-
30	40938	06	601	134	22	05	35	03	119	28	12	-	-	513	12	51	-	-	102	00	54	-	-	312	59	62	-	-

NOTE: THE SIGN (-) MEANS NOT AVAILABLE OR NO RECORD.

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0000 GMT. AT BAGHDAD AIRPORT.

DATE	500 mbs.,					400 mbs.,					300 mbs.,					200 mbs.,					150 mbs.,				
	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff
1	572	65	78	-	-	737	78	84	-	-	936	93	97	-	-	201	08	07	-	-	382	08	12	-	-
2	567	68	79	-	-	730	80	90	-	-	929	94	02	-	-	193	05	12	-	-	377	05	12	-	-
3	571	69	78	-	-	734	80	88	-	-	933	94	00	-	-	197	05	12	-	-	380	06	13	-	-
4	570	66	87	-	-	735	77	81	-	-	936	94	97	-	-	198	09	11	-	-	378	08	10	-	-
5	567	66	79	-	-	731	79	90	-	-	930	94	04	-	-	194	07	-	-	-	375	09	-	-	-
6	576	65	76	-	-	741	75	87	-	-	944	89	99	-	-	210	08	17	-	-	391	10	-	-	-
7	568	67	82	-	-	741	75	88	-	-	943	92	02	-	-	209	07	-	-	-	-	-	-	-	-
8	575	63	-	-	-	739	74	-	-	-	942	94	-	-	-	-	-	-	-	-	-	-	-	-	-
9	569	66	83	-	-	729	79	92	-	-	928	94	02	-	-	186	08	15	-	-	369	08	15	-	-
10	569	69	85	-	-	722	80	95	-	-	921	95	06	-	-	182	07	18	-	-	366	04	-	-	-
11	561	69	78	-	-	723	81	88	-	-	921	97	03	-	-	181	08	13	-	-	364	06	-	-	-
12	582	69	72	-	-	734	81	84	-	-	932	95	99	-	-	-	-	-	-	-	-	-	-	-	-
13	564	72	76	-	-	725	83	89	-	-	923	92	97	-	-	191	02	08	-	-	375	06	10	-	-
14	560	72	85	-	-	722	81	92	-	-	919	95	04	-	-	184	01	10	-	-	369	06	15	-	-
15	563	69	84	-	-	725	80	93	-	-	923	96	07	-	-	189	08	18	-	-	376	04	-	-	-
16	569	66	77	-	-	732	79	84	-	-	932	92	98	-	-	196	06	11	-	-	377	09	14	-	-
17	582	63	63	-	-	749	74	76	-	-	953	87	88	-	-	219	10	11	-	-	398	12	13	-	-
18	578	62	71	-	-	744	74	85	-	-	948	89	99	-	-	228	04	14	-	-	411	08	18	-	-
19	569	65	85	-	-	735	78	95	-	-	936	91	97	-	-	202	02	16	-	-	387	06	-	-	-
20	567	67	79	-	-	730	79	90	-	-	930	93	03	-	-	199	98	07	-	-	387	04	-	-	-
21	570	15	78	-	-	732	78	94	-	-	935	92	03	-	-	200	02	12	-	-	387	02	-	-	-
22	573	67	74	-	-	736	80	87	-	-	934	95	02	-	-	199	09	14	-	-	377	05	11	-	-
23	574	68	69	-	-	737	78	79	-	-	937	94	95	-	-	196	15	16	-	-	370	14	16	-	-
24	560	65	80	-	-	744	77	72	-	-	945	93	94	-	-	207	12	13	-	-	383	11	12	-	-
25	578	64	64	-	-	744	74	75	-	-	947	91	92	-	-	210	10	11	-	-	390	10	11	-	-
26	580	62	63	-	-	747	75	77	-	-	949	90	93	-	-	214	10	-	-	-	392	09	-	-	-
27	577	64	66	-	-	743	74	85	-	-	946	91	99	-	-	210	05	20	-	-	393	06	12	-	-
28	569	67	81	-	-	732	80	93	-	-	931	94	05	-	-	196	02	13	-	-	382	05	15	-	-
29	566	66	76	-	-	728	80	92	-	-	928	93	04	-	-	194	01	11	-	-	380	05	15	-	-
30	570	67	70	-	-	734	79	88	-	-	930	95	04	-	-	198	99	03	-	-	386	01	10	-	-

TABLE 18-c

Month: April 1960

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200 G.M.T.) AT BAGHDAD AIRPORT

DAY	$N_hC_LhC_MC_H$	SURFACE ww	app	PPP	TT	Td	dd	ff	1000 mbs., HHH	TT	Td	dd	ff	850 mbs., HHH	TT	Td	dd	ff	700 mbs., HHH	TT	Td	dd	ff	600 mbs., HHH	TT	Td	dd	ff
1	9x0xx	06	602	118	25	06	32	06	104	24	08	-	-	489	11	04	-	-	084	04	58	-	-	316	55	71	-	-
2	00900	02	719	134	28	01	26	06	129	27	06	-	-	529	14	04	-	-	079	03	58	-	-	306	56	65	-	-
3	00901	01	732	091	29	06	14	05	090	19	11	-	-	480	15	07	-	-	101	05	52	-	-	332	55	58	-	-
4	9x0xx	06	701	069	26	04	30	10	061	24	-	-	-	462	18	-	-	-	086	07	-	-	-	333	51	-	-	-
5	00900	06	710	136	27	04	29	06	122	24	10	26	06	513	12	05	25	04	106	02	59	25	21	334	53	65	25	25
6	00901	02	713	180	28	04	36	08	160	25	09	-	-	552	12	05	-	-	156	05	56	-	-	392	53	64	-	-
7	00907	02	713	174	32	02	06	08	158	29	50	-	-	565	15	56	-	-	150	03	60	-	-	386	53	60	-	-
8	4552x	02	812	121	25	12	33	12	107	18	15	-	-	487	12	09	-	-	071	51	52	-	-	289	56	59	-	-
9	28580	01	706	090	20	13	21	10	083	18	12	-	-	453	11	06	-	-	044	01	54	-	-	269	54	59	-	-
10	31508	03	710	090	24	02	31	12	082	23	12	-	-	466	10	07	-	-	041	52	53	-	-	249	60	61	-	-
11	42680	02	716	114	24	04	28	05	109	23	06	-	-	491	10	51	-	-	062	54	55	-	-	264	59	62	-	-
12	23538	02	713	121	26	05	21	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	58530	02	711	129	21	09	05	16	106	21	12	-	-	488	12	05	-	-	073	50	55	-	-	285	60	62	-	-
14	51600	02	721	111	25	06	33	08	110	21	10	-	-	486	09	03	-	-	052	55	62	-	-	251	61	71	-	-
15	00902	01	717	104	27	05	35	06	095	23	05	32	04	483	12	51	33	05	076	05	54	29	12	301	56	66	30	14
16	00900	02	709	114	30	07	09	04	116	24	10	35	05	513	15	03	33	04	117	03	55	29	09	345	56	61	31	18
17	8092x	06	728	077	29	08	14	11	076	29	10	-	-	499	22	04	-	-	144	08	03	-	-	392	52	53	-	-
18	00900	32	714	049	31	08	30	15	049	30	12	-	-	464	17	07	-	-	088	07	57	-	-	332	61	68	-	-
19	32700	06	711	095	27	06	28	12	085	26	08	30	14	479	13	06	29	13	078	02	57	26	24	303	56	73	26	39
20	31600	03	713	097	28	07	28	10	086	25	13	30	12	484	13	10	28	14	081	02	55	28	13	305	57	64	29	20
21	31600	03	715	115	30	07	30	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	21708	03	714	102	33	02	29	12	097	31	15	25	10	511	16	03	29	12	117	02	57	29	12	340	56	61	32	18
23	8097x	02	720	103	33	08	16	03	100	32	15	18	08	527	20	06	22	14	150	06	54	19	04	390	54	69	25	14
24	40927	03	725	066	34	12	15	08	064	34	22	17	21	499	21	08	21	16	142	09	01	-	-	398	51	58	-	-
25	30947	06	712	073	32	10	16	05	066	30	19	00	00	492	21	08	25	06	128	08	02	23	21	377	57	53	24	32
26	6667x	25	302	060	29	15	22	04	059	28	27	23	10	479	21	06	23	16	125	07	54	21	142	362	55	61	23	74
27	00900	07	712	070	32	09	27	16	061	31	22	28	17	489	19	07	25	21	115	05	54	24	35	354	53	61	24	34
28	42600	01	713	033	31	07	30	06	086	26	15	20	03	495	16	01	27	08	099	02	57	20	28	324	56	67	24	34
29	21630	02	712	112	31	05	31	10	104	28	16	-	-	518	17	04	-	-	129	02	51	-	-	340	58	60	-	-
30	42600	02	709	151	31	04	30	12	129	24	05	36	13	526	16	00	30	11	129	01	53	32	08	353	53	68	-	-

NOTE : THE SIGN (-) MEANS NOT AVAILABLE OR NO RECORD .

TABLE 18-d

Month: April 1960

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 1200 G.M.T. AT BAGHDAD AIRPORT.

DATE	500 mbs.,					400 mbs.,					300 mbs.,					200 mbs.,					150 mbs.,				
	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff	HHH	T	Td	dd	ff
1	572	66	79	-	-	736	80	90	-	-	934	94	02	-	-	201	02	10	-	-	387	03	12	-	-
2	570	68	79	-	-	733	79	89	-	-	932	94	02	-	-	202	02	06	-	-	390	02	12	-	-
3	574	66	68	-	-	738	77	-	-	-	939	92	-	-	-	-	-	-	-	-	-	-	-	-	-
4	575	61	-	-	-	742	74	-	-	-	945	90	-	-	-	-	-	-	-	-	-	-	-	-	-
5	575	64	76	-	-	739	77	-	-	-	940	92	-	-	-	-	-	-	-	-	-	-	-	-	-
6	581	64	73	-	-	748	74	85	-	-	951	90	99	-	-	216	08	16	-	-	-	-	-	-	-
7	580	65	65	-	-	746	74	75	-	-	949	90	90	-	-	219	01	02	-	-	402	10	12	-	-
8	570	62	64	-	-	737	73	75	-	-	941	89	91	-	-	206	01	03	-	-	385	09	-	-	-
9	568	65	70	-	-	732	79	85	-	-	924	99	05	-	-	184	04	-	-	-	-	-	-	-	-
10	563	70	72	-	-	725	83	83	-	-	921	97	98	-	-	184	03	04	-	-	371	01	04	-	-
11	565	70	73	-	-	726	80	86	-	-	926	92	97	-	-	190	07	11	-	-	373	06	11	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	567	68	75	-	-	730	80	89	-	-	928	95	03	-	-	196	01	09	-	-	383	02	09	-	-
14	563	70	81	-	-	725	80	91	-	-	924	94	04	-	-	189	99	-	-	-	376	05	-	-	-
15	571	64	72	30	19	737	75	81	30	05	940	90	95	30	68	204	04	09	-	-	391	05	11	-	-
16	574	68	73	30	27	736	79	84	30	32	936	96	-	-	-	196	10	-	-	-	374	14	-	-	-
17	582	61	61	-	-	749	73	78	-	-	954	85	00	-	-	221	04	11	-	-	403	10	17	-	-
18	576	63	80	-	-	743	75	93	-	-	946	90	08	-	-	212	04	15	-	-	394	09	-	-	-
19	571	65	86	26	56	735	78	96	-	-	936	90	07	-	-	205	00	16	-	-	391	04	20	-	-
20	570	66	78	30	30	734	79	90	29	38	934	92	03	30	32	203	99	10	-	-	391	04	15	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	574	67	74	29	18	734	79	87	28	32	927	94	98	30	26	189	12	16	30	40	367	07	11	-	-
23	581	60	66	28	21	746	76	82	-	-	948	89	93	-	-	-	-	-	-	-	-	-	-	-	-
24	581	63	65	-	-	748	72	74	-	-	954	87	87	-	-	222	08	-	-	-	402	08	-	-	-
25	580	61	62	-	-	745	72	73	-	-	952	89	-	-	-	217	08	-	-	-	-	-	-	-	-
26	578	62	66	-	-	745	75	78	-	-	950	95	98	-	-	214	09	-	-	-	-	-	-	-	-
27	577	63	76	25	52	743	75	89	-	-	946	91	02	-	-	214	01	11	-	-	401	03	16	-	-
28	573	66	77	24	38	737	77	88	24	60	939	90	01	25	68	207	01	11	27	28	393	03	13	-	-
29	574	66	80	-	-	738	76	89	-	-	940	90	01	-	-	208	00	12	-	-	395	03	14	-	-
30	575	66	78	-	-	739	78	94	-	-	938	94	04	-	-	205	01	11	-	-	391	03	14	-	-

TABLE - 19 Month: April 1960.

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (0001 G.M.T.)

850 , 700 & 500 - mbs., Surface , 0001 GMT. (AVERAGE HEIGHT AND TEMPERATURES)

STATIONS	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.	150	11	18	147	06	17	146	06	14	149	11	15	148	14	16	151	19	17	151	19	15	151	20	13
700-mbs.	309	02	23	305	-1	22	302	-4	18	306	01	16	309	02	19	314	07	21	315	09	17	316	10	15
500-mbs.	573	-15	39	565	-19	35	560	-20	27	568	-19	22	570	-16	26	580	-12	34	584	-10	19	585	-7	13

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (1200 G.M.T.)

850 , 700 & 500 - mbs., Surface , 1200 GMT. (AVERAGE HEIGHT AND TEMPERATURES)

STATIONS	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.	151	13	18	148	10	17	147	08	11	149	14	15	150	15	13	151	19	16	152	19	16	151	20	12
700-mbs.	312	04	26	306	-1	23	304	-3	18	308	01	17	310	03	17	315	06	23	316	08	16	316	10	14
500-mbs.	574	-15	43	566	-19	38	561	-20	28	569	-16	23	573	-15	27	578	-12	33	584	-8	21	587	-7	15

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20 -a BAGHDAD AIRPORT

Monthly Frequency of Ceiling and Visibility

Hours: 0000 - 2400

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																									5
≥200 -500M																									7
≥500 -1000M																									11
≥1000 -1500M																									20
≥1500 -3000M	1																								28
≥3 -5KM	1																								35
≥5 -10KM	3																								93
≥10 -15KM	2																								130
≥15	23																								379
Total	30																								720

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

Hours: 0000 - 2400

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 -150																									
≥150 -300																									
≥300 -500														1	1	1	1	1							5
≥500 -900																									14
>900	30																								

TABLE 20-b

BASRAH AIRPORT

(24)

Month: April 1960.

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	1/1			1/1	1/1	1/1	1/1	1/1	11
>1000 -1500M		1/1	1/1		1/1	1/1	2/2	2/2	1/1	1/1	1/1	1/1						1/1	1/1						14
>1500 -3000M	1/1	1/1		1/1	1/1	1/1	1/1		1/1	1/1	1/1	1/1						1/1	1/1	2/2	1/1	1/1	1/1	1/1	18
>3 -5KM	2/2	2/6	2/2	2/2	1/2	1/1	2/3	1/1	1/1	1/1	1/1	1/1	2/2	/2	1/1	2/2	1/1				1/1				28
>5 -10KM	1/2	1	1/3	7	5	1/4	2	2/6	2/5	1	1/2	1/3	3/4	4/5	3/5	2/5	3	2	1	1	2/3	3/3	3/3	3/4	80
>10 -15KM	4	5	9	7	5	5	8	5	6	10	10	9	8	7	7	6	9	7	8	4	6	6	5	4	160
>15KM	20	20	15	12	15	17	14	16	16	16	15	15	16	16	17	16	16	19	19	22	18	19	20	20	409
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

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	1	1	1															1			1	1	1	1	8
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M			1	1	1	1	1	1			1	1	1												12
>900M	9	9	12	13	15	16	15	14	14	16	15	17	17	15	20	18	16	14	12	10	10	9	7	6	7	[illegible]

NOTE:

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

TABLE 21-a BAGHDAD AIRPORT (25) Month : April 1960

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																														
< 5/8 OR *					1			1	1		2	3	1	1	2	1	2	2	3	8	5	2	4	7	23	11	10	30	30	30
> 900	1		1		1		1	1	1	1	1	1	1	1		2	2	1	6	3	4	6	1	6	12	20	16	30	30	30
AND ≥ 5/8			2			2	1		6		1	9	2	2	10	1		11	3		32	8	8	42	15	19	126	30	30	240
					1			1	1		2	3	1	1	2	1	2	2	3	8	5	2	4	7	23	11	10	30	30	30
TOTAL	1		1		1		1	1	1	1	1	1	1	1		2	2	1	6	3	4	6	1	6	12	20	16	30	30	30
			2			2	1		6		1	9	2	2	10	1		11	3		32	8	8	42	15	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	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 [illegible] BAHRAIN AIRPORT Month: April 1960

Simultaneous occurrence of specified visibility ranges and specified lowest cloud base (in metres)

HEIGHT (M)	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-2.5KM			>2.5-4KM			>4-5KM			>5-8KM			>8-10KM			>10KM			TOTAL		
0-50																												1		
																													1	2
>50-150																														
>150-300																														
>300-500																														
>500-900																				1				1					1	1
																										1			1	
																					1			1			1			3
<5/8 OR *								1				2	1	1	1	2	2	3	2	5	2	4	7	7	20	12	14	29	20	29
900									1	1			1			1	2	2	1	4	5	10	8	6	16	15	16	30	29	30
AND >=5/8									2	1		4	1	1	6			12	1	3	24	8	6	56	19	19	131	30	29	235
TOTAL							1	1				2	1	1	1	2	2	3	2	7	2	4	7	8	20	12	14	30	30	30
									1	1			1			1	2	2	1	4	5	10	8	6	16	16	16	30	30	30
								1	4	1		4	1	1	6			12	1	3	25	8	6	57	19	19	132	30	30	240

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

00 03 06
09 12 15
18 21 To

To= Total for 8 hours

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

جمهورية العراق

وزارة المواصلات

مديرية الطيران المدني العامة

مديرية الانواء الجوية

قسم المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية للعراق

مايس ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR
M A Y 1 9 6 0

مجلد ٢٣ ، عدد (٥) مايس ١٩٦٠

VOLUME 23, No. (5) MAY 1960 .

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لمحة عامة عن شهر مايس ١٩٦٠

شهر مغبر و حـــــــــــــار

ساد العراق جو مستقر في التسعة الايام الاولى من هذا الشهر بالنظر لوجود منطقة ضغط عالي كما ظهرت بعض السحب العالية في ١٠ منه اضطرب الجو نظرا لتقدم منخفض جوى من البحر الابيض المتوسط ادى لتشكل غيوم و هطول الامطار في المنطقتين الشمالية و الوسطى مصحوبة بتصاعد غبار و حدوث زوابع ترابية و استمر هذا الجو المتغير في المدة من ١٢ لغاية ١٤ منه في المنطقتين الوسطى و الجنوبية و تحسن في ١٥ لغاية ١٧ منه .

و كان الجو غير مستقر من ١٨ لغاية ٢١ منه حيث تصاعد غبار خفيف في المنطقتين الوسطى والجنوبية ثم اشتد في الايام الثلاثة الاخيرة من الشهر شملت جميع انحاء العراق بسبب وجود منخفض جوى قادم من الجهة الغربية الصحراوية .

(٤)

GENERAL SITUATION FOR MAY 1960

DUSTY AND HAZE MONTH

During the first 9 days of the month the weather was settled, a high pressure covered the region. Some high clouds appeared, followed by unsettled weather on the 10th and 11th due to the depression advanced from South-terranean sea accompanied with low clouds, rain and thundering dust in Northern and Central regions. Dust continued from 12th to 14th over Central and Southern areas. From 15th to the 17th the weather was settled in general. Unsettled weather continued from 18th to the end of the month.

MAY 1960 — مايس ١٩٦٠

TABLE - 1

المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C°) OF 8 OBSERVATIONS.

تاريخ	بغداد	موصل	كركوك	رطبة	رمادي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	25.4	20.0	23.4	20.5	26.0	24.4	26.0	25.6	24.4
2	26.8	21.8	25.4	22.7	27.7	26.3	27.8	26.6	26.1
3	27.8	23.1	26.2	23.4	28.9	26.7	27.8	27.4	27.0
4	28.9	25.2	28.2	24.2	29.2	28.1	28.8	27.1	28.1
5	30.7	25.7	30.2	25.9	30.0	29.1	29.1	28.8	30.5
6	31.4	26.0	30.6	27.2	31.7	30.5	30.6	30.7	30.7
7	32.0	26.9	30.7	27.3	32.2	32.1	30.4	29.6	31.3
8	30.9	28.8	30.9	28.1	30.5	30.1	30.0	29.1	31.2
9	31.8	27.9	30.7	28.2	31.6	30.7	30.7	29.7	31.7
10	32.7	29.3	32.2	27.4	33.1	32.2	32.4	32.3	33.5
11	30.2	26.6	27.5	23.2	32.3	31.6	32.3	32.5	32.2
12	29.9	23.9	26.3	20.8	31.6	30.1	31.8	31.6	27.3
13	29.4	22.4	24.4	22.1	30.8	29.7	30.7	29.5	28.6
14	30.9	22.0	26.4	24.7	31.2	30.5	31.5	31.7	29.5
15	30.4	25.2	26.4	22.0	32.5	30.6	32.5	32.3	27.5
16	27.8	22.9	24.1	22.5	29.9	27.9	30.1	29.2	26.2
17	29.4	22.0	24.9	22.0	29.9	28.7	30.1	29.6	27.7
18	27.0	22.1	22.4	20.8	27.4	26.5	28.8	28.7	25.1
19	26.7	20.7	25.9	21.6	28.4	27.3	28.0	27.1	26.0
20	28.7	24.5	26.5	23.9	30.1	28.2	28.3	28.7	27.5
21	30.3	26.6	29.2	25.6	31.9	29.7	29.1	29.7	29.9
22	31.7	27.1	30.1	27.6	32.0	28.8	30.2	29.5	29.7
23	32.6	28.3	31.2	29.8	32.9	31.3	31.0	30.1	31.9
24	34.2	29.8	32.7	30.9	34.7	33.8	33.4	32.3	35.6
25	35.0	30.6	35.2	32.9	36.2	33.9	34.2	34.1	35.2
26	36.2	32.6	35.1	31.6	36.4	36.1	34.9	34.9	36.9
27	36.2	30.0	32.9	30.5	36.7	34.9	36.7	35.6	34.8
28	37.1	31.5	33.7	32.5	36.7	35.6	36.5	35.5	35.9
29	35.0	33.3	33.8	28.3	33.9	35.8	36.9	36.4	33.0
30	30.0	27.5	27.7	24.0	33.1	29.6	32.7	32.9	27.7
31	29.1	26.7	27.4	24.3	31.1	28.4	29.9	29.8	27.1
MEANS	30.8	26.2	28.8	25.7	31.6	30.6	31.1	30.6	30.0

MAY 1960 — مايس ١٩٦٠

TABLE-2

المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs. و) AT M.S.L. OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	16.7	18.2	17.0	18.0	15.2	16.8	15.7	15.2	17.1
2	15.5	17.3	15.7	16.1	14.1	15.5	14.3	14.0	15.7
3	11.8	13.8	11.8	12.8	10.7	11.9	11.4	11.2	12.1
4	10.2	12.3	10.5	11.9	09.7	10.6	10.1	10.0	10.5
5	09.8	12.4	10.6	10.7	10.1	10.2	10.1	10.0	09.8
6	09.2	11.3	09.5	09.6	09.2	09.8	09.5	09.6	09.2
7	11.2	11.6	10.6	09.7	11.0	11.1	11.4	11.2	10.8
8	12.2	12.7	12.0	10.1	12.3	12.4	12.4	12.5	11.8
9	09.9	11.2	10.1	08.1	09.3	10.2	09.9	10.0	09.8
10	07.2	08.3	07.2	05.2	07.7	07.3	07.7	08.3	06.5
11	06.3	08.1	07.7	06.6	06.4	06.3	05.9	07.0	05.8
12	07.9	09.9	08.2	10.4	06.1	07.8	06.6	05.7	08.7
13	10.2	12.3	11.0	10.7	08.1	09.7	08.5	07.7	10.5
14	09.0	11.9	10.0	08.7	07.5	08.8	08.6	08.3	09.0
15	08.7	10.2	08.7	11.3	06.4	08.3	07.3	07.1	09.6
16	10.3	11.2	10.3	10.7	08.7	10.1	09.0	07.7	10.6
17	09.0	10.6	09.5	10.4	07.7	08.6	07.7	06.6	09.7
18	12.8	13.5	12.4	14.5	11.3	12.6	10.7	09.6	13.3
19	11.6	14.1	11.7	14.3	09.8	11.6	10.5	09.6	12.4
20	08.3	09.8	08.0	11.6	06.8	08.5	07.4	06.4	09.1
21	06.2	08.8	06.7	09.1	04.8	06.4	05.6	04.6	07.1
22	04.7	06.1	04.4	06.4	04.0	05.4	04.9	04.4	05.3
23	05.9	06.6	05.7	05.6	05.5	06.2	05.8	05.5	06.0
24	07.4	09.0	07.7	06.4	06.5	07.4	06.6	05.7	07.1
25	06.4	08.8	07.1	04.7	05.4	07.7	05.6	04.8	06.4
26	05.0	05.8	05.1	06.4	04.0	04.8	04.3	03.9	05.2
27	06.0	06.9	06.0	06.1	04.6	05.9	04.8	03.9	06.4
28	06.1	07.8	06.5	04.7	04.9	06.1	05.3	04.3	06.4
29	04.9	05.1	04.3	06.9	03.4	04.8	04.1	03.0	05.3
30	08.2	08.2	07.3	09.5	06.0	08.1	06.0	04.7	09.2
31	08.7	07.2	08.0	09.4	06.6	08.5	07.2	06.0	09.3
MEANS	1009.0	1010.4	1009.1	1009.6	1007.9	1009.0	1008.2	1007.7	1009.2

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TABLE - 5

المعدل العربي للرطوبة النسبية (٢)

MEAN DAILY RELATIVE HUMIDITY (٢) OF 8 OBSERVATIONS

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	34	53	31	31	38	41	37	70	38
2	33	54	30	28	30	38	34	70	38
3	31	50	30	21	31	39	34	71	42
4	28	44	27	22	30	39	30	55	37
5	31	48	26	28	32	36	36	42	31
6	31	49	20	26	28	31	33	39	27
7	28	45	19	24	26	24	31	40	31
8	34	38	28	24	38	29	44	48	32
9	37	44	27	25	33	39	36	54	34
10	34	44	27	29	33	32	31	48	25
11	36	61	41	58	38	37	36	55	34
12	41	57	34	49	38	38	42	65	51
13	28	47	32	50	26	29	31	69	31
14	24	38	27	44	26	26	27	63	32
15	22	37	28	42	29	26	34	61	31
16	25	34	20	38	21	27	26	60	29
17	21	40	25	39	25	30	28	63	27
18	19	38	25	28	28	24	22	64	25
19	20	44	23	21	24	25	32	64	22
20	21	39	32	19	21	26	38	46	25
21	24	36	32	22	24	38	35	49	25
22	30	43	26	17	26	33	41	51	26
23	23	41	19	17	25	34	30	54	28
24	24	41	19	19	23	25	26	46	25
25	25	36	33	19	24	34	33	41	25
26	25	31	16	25	20	32	33	45	26
27	26	37	20	33	24	29	29	49	31
28	24	42	19	27	22	32	33	51	31
29	25	32	15	31	25	28	30	45	36
30	28	38	22	46	25	34	36	48	38
31	30	37	23	34	24	37	43	48	32
MEANS	28	43	26	30	27	32	33	54	31

DAILY MAXIMUM AND MINIMUM TEMPERATURES

BAGHDAD		MOSUL		SULEIMANIA		KIRKUK		AMARA		NASIRIYAH	
MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
33.3	15.5	29.8	5.7	30.2	10.4	34.9	14.1	40.0	10.5
35.0	16.7	32.0	10.4	34.9	10.4	34.4	14.1	41.0	9.7
36.2	17.6	34.2	11.7	33.4	11.7	36.8	16.2	39.4	12.8
37.5	19.2	35.8	13.4	35.6	21.0	37.8	19.1	41.6	11.7
38.8	21.5	37.4	15.9	32.9	22.4	37.8	19.0	40.7	15.5
40.8	21.1	36.0	14.2	36.0	21.6	39.7	20.6	39.8	15.4
38.7	26.0	38.9	15.1	36.2	21.3	37.8	19.4	41.2	17.0
37.5	23.5	39.3	19.6	37.4	22.0	37.0	19.1	41.6	18.2
39.5	23.5	38.3	17.3	37.3	22.1	37.6	21.1	42.0	21.2
39.9	24.8	39.4	15.8	39.3	23.1	38.0	22.0	42.6	22.1
36.5	25.2	36.1	24.0	33.8	21.3	37.5	21.1	38.4	18.4
36.5	24.4	30.6	17.9	32.4	19.2	36.0	20.6	38.5	13.5
35.6	22.8	31.8	13.9	30.4	17.3	33.8	18.5	38.8	13.3
34.3	22.3	30.8	11.8	33.0	17.3	35.6	20.0	39.5	16.4
38.0	23.4	38.2	16.5	34.0	24.2	36.2	21.3	39.4	14.8
35.4	17.8	30.6	13.1	31.3	15.3	33.0	17.0	39.0	15.4
36.5	21.4	29.5	14.8	32.0	17.2	32.0	18.0	39.4	14.2
36.9	20.4	30.6	12.4	29.0	14.4	34.6	17.2	37.5	14.4
35.8	16.6	32.5	11.6	32.5	15.1	35.8	19.6	38.2	11.5
37.2	16.7	34.6	10.4	35.7	17.0	35.0	17.2	42.7	12.4
39.3	20.4	36.7	16.3	36.4	21.3	38.0	17.0	39.6	14.7
41.5	21.6	38.4	14.1	38.4	20.4	38.7	21.1	36.5	15.7
42.9	21.5	40.5	14.9	35.0	21.7	39.6	20.0	39.8	18.6
43.9	21.6	40.5	16.5	40.7	24.2	41.5	21.1	40.2	10.4
42.4	24.0	41.9	17.1	40.8	27.4	42.0	21.5	41.0	21.7
44.5	26.7	41.2	22.9	41.1	30.9	43.9	26.5	38.1	27.4
42.8	30.5	38.0	22.3	39.0	27.1	42.0	27.8	30.7	19.6
44.6	26.2	41.3	17.5	40.3	24.3	42.3	19.6	40.8	23.4
42.4	30.8	41.6	25.0	41.6	27.1	44.0	26.7	35.0	22.5
35.2	25.6	34.0	20.8	33.0	21.3	35.6	25.6	31.3	16.0
35.1	23.5	33.3	19.8	33.0	21.8	35.0	24.0	32.6	19.4
38.5	22.3	35.8	15.9	35.6	21.2	37.1	20.6	33.8	16.4

RECORDS OF TEMPERATURES :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	44.6	28	1960	10.5	1	1948
MOSUL	44.1	31	1955	6.1	1	1948
KIRKUK	43.3	7	1942	8.3	1	1948
AMARA	44.0	28	1960	8.3	1	1948
NASIRIYAH	42.4	7	1942	5.6	1	1943

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DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حي HAI		ديوانية DIWANIYA		ناصرية NASIRIYA		بصرة BASRAH		حبانية HABBANIYA	
	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.
	31.2	18.9	32.4	15.4	32.8	18.4	31.5	18.3	33.1	15.2
	34.0	16.9	34.6	16.2	35.3	20.7	33.6	18.7	34.5	16.1
	34.6	16.9	36.0	18.8	36.2	17.6	35.7	18.5	35.5	16.0
	36.2	18.2	37.0	18.0	37.0	20.4	34.7	19.1	37.8	18.2
	36.3	19.6	36.6	19.5	37.2	20.2	36.2	21.2	40.1	18.9
	37.4	14.8	39.0	21.0	38.7	20.6	38.2	23.4	41.1	20.0
	37.4	25.0	39.0	26.6	37.5	23.6	38.2	21.7	38.4	23.0
	36.4	24.2	38.0	22.0	37.0	25.2	33.5	22.6	38.0	21.9
	38.0	21.2	38.6	21.2	38.0	22.2	36.7	22.2	39.7	23.3
	39.4	23.2	40.5	22.5	39.9	23.5	39.9	23.9	40.6	24.4
	39.0	22.6	38.0	23.4	38.0	23.2	35.6	26.2	39.4	29.2
	36.4	24.0	36.0	26.1	37.6	27.6	37.8	28.1	35.6	21.2
	36.0	25.2	36.5	24.0	37.3	26.0	34.9	25.6	36.4	29.0
	37.4	21.9	37.2	22.2	37.8	24.6	37.6	25.0	37.8	20.6
	39.7	21.4	37.2	24.0	40.0	28.9	38.8	24.0	39.9	24.0
	34.6	22.7	35.2	20.0	36.4	23.7	35.6	23.9	34.4	17.4
	35.6	19.0	35.8	17.4	36.9	21.5	36.7	21.3	34.6	17.8
	32.6	22.4	33.0	21.0	34.8	22.3	34.9	23.6	31.7	17.5
	34.5	17.8	35.0	18.5	34.6	21.4	33.4	21.5	34.5	16.3
	36.2	20.4	36.6	19.1	33.6	23.6	35.1	22.0	36.8	16.7
	39.0	20.8	38.2	21.6	37.1	21.2	36.6	22.9	39.5	19.9
	38.7	21.4	37.6	18.2	38.2	22.1	38.0	23.0	40.0	19.1
	39.7	21.4	40.6	19.0	41.2	19.3	39.8	20.4	41.7	21.2
	41.6	23.0	42.2	23.4	43.0	22.7	40.4	23.4	43.6	21.8
	45.0	24.0	42.5	23.0	43.3	24.4	43.2	27.2	45.3	25.6
6	43.5	27.0	43.5	23.3	43.6	23.6	42.4	26.6	43.3	25.0
7	42.7	30.2	41.4	27.3	44.4	29.7	43.9	29.0	41.7	28.9
	42.5	26.8	42.5	26.0	44.0	30.2	42.0	28.8	45.1	26.0
9	43.0	29.0	40.0	29.0	44.4	29.7	44.5	28.7	45.0	29.4
0	40.6	26.4	34.5	24.3	38.4	29.4	38.7	30.5	45.0	22.9
1	37.4	23.4	34.8	20.2	34.5	26.0	35.2	25.7	33.9	21.4
ANS	38.0	22.4	37.7	21.7	38.3	23.5	37.7	23.7	38.6	24.2

RECORDS OF TEMPERATURES : القرايبس الماضيـــــة :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
AI	46.1	26	1941	12.2	1	1948
WANIYA	45.6	12	1941	7.8	1	1948
ASIRIYA	45.7	31	1955	11.6	1	1948
ASRAH	45.6	23	1951	8.9	1	1952
ABBANIYA	46.7	7	1942	8.3	4	1940

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TABLE 5 — المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

T I M E - G . M . T .

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	24.9	25.1	30.9	35.9	37.8	38.3	30.6	27.3	30.9
MOSUL	18.2	17.3	26.9	33.6	34.9	32.9	25.2	21.1	26.3
KIRKUK	23.2	22.6	30.4	33.3	34.4	33.0	27.7	25.3	28.8
KHANAQIN	-	21.4	32.5	35.7	36.3	34.1	25.8	-	31.6
RUTBAH	19.2	17.6	25.6	31.0	33.7	31.6	25.8	22.0	25.7
HAI	-	23.4	31.4	36.0	37.0	34.1	28.7	-	31.8
DIWANIYA	23.9	22.8	31.2	36.3	37.4	37.9	30.8	26.6	30.9
NASIRIYA	25.6	24.7	30.9	36.8	37.4	31.3	30.9	28.6	30.7
BASRAH	25.7	24.6	31.3	35.1	36.7	34.3	29.6	27.6	30.6
HABBANIYA	23.9	22.0	30.1	36.1	37.3	35.1	28.9	26.2	30.0

TABLE 6 — المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.2	15.3	18.9	20.1	20.5	20.2	18.6	17.3	18.4
MOSUL	14.0	13.9	17.6	19.2	19.2	18.3	16.2	15.3	16.7
KIRKUK	13.9	13.9	17.9	18.6	18.5	17.5	15.7	14.8	16.4
KHANAQIN	-	13.3	18.4	19.9	20.0	19.2	17.0	-	18.0
RUTBAH	12.1	11.5	15.7	17.9	18.3	17.2	15.2	13.4	15.3
HAI	-	14.9	18.6	19.7	20.0	18.8	17.1	-	18.2
DIWANIYA	16.1	16.2	19.8	21.3	21.4	20.4	18.5	17.3	18.9
NASIRIYA	18.0	17.1	19.8	20.5	21.0	21.3	20.7	20.0	19.8
BASRAH	20.8	20.0	23.6	25.4	25.8	25.0	23.3	22.3	23.3
HABBANIYA	16.1	15.6	19.0	20.1	20.7	20.2	18.3	17.0	18.4

TABLE 7 — المعدل الشهري لضغط الجو على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	08.7	09.4	10.3	09.9	08.4	07.6	08.6	08.8	1009.0
MOSUL	11.0	11.8	11.8	10.5	08.9	08.2	10.0	10.7	1010.4
KIRKUK	09.6	10.0	10.1	09.2	07.6	07.2	09.2	09.6	1009.1
KHANAQIN	-	10.6	09.3	08.3	10.2	06.8	08.5	-	1008.0
RUTBAH	09.6	10.2	10.7	10.0	08.8	08.6	09.1	09.5	1009.6
HAI	-	-	-	-	-	-	-	-	-
DIWANIYA	08.6	09.5	10.4	09.8	08.2	07.6	08.8	08.8	1008.9
NASIRIYA	07.8	08.6	09.6	09.0	07.5	06.8	08.1	07.8	1008.2
BASRAH	07.3	07.8	08.8	08.5	07.2	06.7	07.5	07.6	1007.7
HABBANIYA	09.1	09.9	10.7	10.1	08.5	07.8	08.8	09.0	1009.2

TABLE 8 — المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	36	41	28	19	16	18	28	33	27
MOSUL	66	71	40	25	22	24	40	56	43
KIRKUK	33	37	26	20	18	16	26	30	26
KHANAQIN	-	33	20	18	17	18	24	-	22
RUTBAH	40	43	32	24	21	21	28	34	30
HAI	-	40	28	21	19	22	31	-	27
DIWANIYA	42	49	31	22	19	23	33	36	32
NASIRIYA	46	44	31	20	19	25	38	43	33
BASRAH	64	64	51	45	41	46	58	63	54
HABBANIYA	42	47	31	19	17	21	32	37	31

MAY 19[illegible]

TABLE 9

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOSUL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
KIRKUK	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
KHANAQIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RUTBAH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HAI	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIWANIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NASIRIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BASRAH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HABBANIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 10

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOSUL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
KIRKUK	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RUTBAH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HAI	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIWANIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NASIRIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BASRAH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HABBANIYA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 11

المعدل الشهري لكمية الغيوم (بالاعشار)

MONTHLY MEAN AMOUNT OF CLOUD (TENTHS)

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

TABLE 12

المعدل الشهري لكمية الغيوم (بالاعشار)

MONTHLY MEAN TOTAL (CLOUD)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.8	2.7	2.7	2.2	3.7	3.7	2.9	2.1	2.7
MOSUL	1.3	1.6	2.1	2.3	3.3	3.0	2.0	1.6	2.2
KIRKUK	1.2	1.5	1.3	1.4	2.1	2.5	2.7	2.0	1.8
KHANAQIN	–	2.0	1.1	1.4	3.0	3.0	2.2	–	2.1
RUTBAH	1.0	1.7	1.6	2.0	3.4	3.0	2.5	1.8	2.1
HAI	–	3.5	3.3	3.1	3.5	3.1	3.3	–	3.3
DIWANIYA	1.3	2.3	1.9	2.7	2.9	3.2	2.7	1.9	2.4
NASIRIYA	1.3	1.9	2.4	2.6	2.7	1.7	1.6	1.6	2.0
BASRAH	1.3	2.3	2.1	1.8	2.4	2.1	1.4	1.2	1.9
HABBANIYA	2.2	2.2	2.0	2.7	2.5	3.5	3.0	2.3	2.6

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SURFACE WIND - NUMBER OF OBSERVATIONS OF

TIME GMT.	DIRECTION N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS CALM	1-10	11-21	22-33	≥34	MEAN V.E.
0000	8	0	2	1	1	1	0	7	11	17		0	0	4
0300	5	1	2	1	1	0	0	10	11	19		0	0	4
0600	7	1	0	2	1	2	3	11	4	24		0	0	5
0900	11	1	2	1	2	2	3	8	1	22		0	0	6
1200	13	1	0	2	4	1	4	6	0	25		0	0	8
1500	6	0	0	2	3	2	3	11	4	24		0	0	6
1800	3	0	3	1	1	2	1	8	12	17		0	0	3
2100	5	1	2	1	2	0	2	8	10	16		0	0	5
TOTAL	58	5	11	11	15	10	16	69	53	164	31	0	0	5
0000	6	0	1	0	0	2	8	5	9	19		0	0	6
0300	7	0	0	1	0	0	11	11	1	24		0	0	7
0600	14	0	0	2	1	0	6	6	2	24		0	0	8
0900	10	2	4	4	1	0	5	3	1	19		1	0	9
1200	7	3	2	2	4	2	6	5	0	12		4	0	12
1500	10	1	2	0	2	1	10	4	1	21		6	0	10
1800	9	1	1	1	1	2	8	5	3	17		2	0	9
2100	7	0	3	1	0	0	10	6	4	20		0	0	7
TOTAL	70	7	13	11	9	7	64	45	21	153	63	11	0	9
0000	5	12	2	1	0	0	0	1	10	19		1	0	5
0300	1	8	2	1	0	0	1	0	18	10		2	0	3
0600	1	5	2	3	2	0	2	1	17	12		2	0	3
0900	5	4	2	0	2	4	6	5	3	23		0	0	6
1200	4	2	1	1	0	7	12	4	3	23		0	0	7
1500	1	1	0	1	1	2	17	3	5	25		0	0	5
1800	0	3	2	0	0	1	7	0	18	9	2	2	0	4
2100	3	8	4	0	0	1	3	0	12	16	2	1	0	4
TOTAL	20	41	15	7	5	15	48	11	86	137	24	4	0	5
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	5	0	6	0	0	0	0	20	11	0	0	0	1
0600	0	3	0	5	0	1	0	5	17	14	0	0	0	3
0900	0	1	0	6	0	8	3	6	7	24	0	0	0	4
1200	0	0	0	6	0	14	2	3	6	25	0	0	0	5
1500	0	0	0	6	0	12	3	8	2	28	1	0	0	6
1800	0	1	1	2	1	5	2	3	16	15	0	0	0	2
TOTAL	0	10	1	31	1	40	10	25	68	117	1	0	0	4
0000	2	0	0	0	2	4	3	4	16	8	6	1	0	5
0300	2	0	1	1	0	2	6	3	11	16	2	1	0	5
0600	5	2	0	3	1	5	5	7	3	14	9	2	0	6
0900	3	1	5	3	4	3	6	4	2	19	9	1	0	6
1200	7	1	3	3	2	2	8	2	3	17	9	2	0	6
1500	5	2	2	2	2	1	8	6	2	17	12	2	0	10
1800	9	2	2	2	2	0	2	5	7	21	7	0	0	5
2100	3	0	2	1	2	5	1	6	11	12	7	1	0	5
TOTAL	37	8	15	16	15	22	38	34	59	124	57	8	0	7

عدد تكرار مدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS (%)

STATION	TIME GMT.	DIRECTION N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS 1-10	11-21	22-33	≥34	MEAN V.K.
	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	4	0	1	1	1	0	8	11	5	23	3	0	0	5
	0600	2	0	1	2	1	0	9	12	4	20	7	0	0	7
	0900	3	0	1	2	2	0	9	13	1	13	11	1	0	10
	1200	1	1	2	0	2	0	10	11	4	18	8	1	0	9
	1500	2	0	1	0	2	0	7	14	5	18	8	0	0	7
	1800	4	0	0	4	0	0	10	8	5	25	1	0	0	5
	TOTAL	16	1	6	9	8	0	53	69	24	122	38	2	0	7
	0000	7	1	4	1	3	1	10	2	2	20	9	0	0	7
	0300	9	0	2	2	1	1	11	3	2	28	1	0	0	5
	0600	10	1	1	0	1	2	12	4	0	25	6	0	0	7
	0900	10	0	1	0	2	0	14	4	0	21	10	0	0	8
WANIYA	1200	7	1	0	2	2	0	12	5	2	20	9	0	0	8
	1500	10	0	1	1	1	1	9	6	2	25	4	0	0	6
	1800	9	5	3	0	0	0	8	2	4	22	5	0	0	5
	2100	8	3	5	1	0	0	10	2	2	21	7	1	0	7
	TOTAL	70	11	17	7	10	5	86	28	14	182	51	1	0	7
	0000	6	1	1	0	4	1	9	6	3	20	8	0	0	7
	0300	4	2	2	1	1	6	9	5	1	27	3	0	0	7
	0600	3	1	0	0	2	2	8	14	1	25	5	0	0	8
	0900	5	0	4	1	0	0	7	14	0	20	11	0	0	10
SIRIYA	1200	3	0	6	0	0	0	9	13	0	19	12	0	0	10
	1500	8	0	4	0	0	0	6	10	0	25	3	0	0	7
	1800	6	0	5	4	1	0	6	9	0	27	4	0	0	7
	2100	9	0	1	3	1	2	6	2	0	18	6	0	0	8
	TOTAL	44	4	23	9	9	11	60	73	5	181	52	0	0	8
	0000	6	0	0	0	0	1	1	6	17	11	3	0	0	2
	0300	2	0	0	0	0	0	3	8	18	13	0	0	0	2
	0600	2	1	0	0	1	0	3	15	9	17	5	0	0	4
	0900	3	0	0	1	0	0	0	19	8	16	6	1	0	6
PAH	1200	2	0	0	2	0	0	0	21	6	19	6	0	0	6
	1500	5	0	0	0	2	0	3	11	10	19	2	0	0	3
	1800	2	0	0	0	3	0	2	7	17	12	2	0	0	2
	2100	6	0	0	0	2	0	3	6	14	14	3	0	0	2
	TOTAL	28	1	0	3	8	1	15	93	99	121	27	1	0	3
	0000	1	1	1	2	0	0	1	8	17	12	2	0	0	2
	0300	2	0	0	1	1	1	6	7	13	16	2	0	0	3
	0600	4	1	3	1	1	2	5	11	3	24	4	0	0	6
	0900	7	0	1	1	7	1	4	8	2	21	9	0	0	8
RGANIYA	1200	4	0	1	3	4	3	5	9	2	22	7	0	0	9
	1500	4	0	2	1	4	1	3	11	5	22	4	0	0	9
	1800	3	2	3	0	4	0	2	3	14	14	3	0	0	4
	2100	2	1	5	3	2	0	2	7	9	19	3	0	0	5
	TOTAL	27	5	16	12	23	8	28	64	65	150	34	0	0	5

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الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm.

[illegible]	بغداد	موصل	كركوك	خانقين	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
								tr.		
		tr.			tr.					
	0.5	13.3	1.3		3.9		tr.			tr.
										1.0
					tr.			tr.		
		0.4			tr.					
		0.1								
			tr.		tr.					
					tr.					
					tr.					tr.
TOTAL	0.5	13.8	1.3	0.0	3.9	0.0	tr.	tr.	0.0	1.0

RECORDS OF RAINFALL :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	65.0	9	1959
MOSUL	38.6	2	1927
KIRKUK	41.4	8	1957
KHANAQIN	32.6	6	1950
RUTBAH	46.6	12	1957
HAI	28.7	5	1949
DIWANIYA	25.6	25	1957
NASIRIYA	40.2	15	1945
BASRAH	35.6	8	1950
HABBANIYA	10.8	12	1950

MAY 1960 (11) [illegible]

TABLE 14-b.

[illegible]

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

تاريخ	راوندوز	تل عينات	تلعفر	[illegible]	افتخار	شقلاوة	سرسنك	[illegible]	هيت	[illegible]
DATE	RAWA-NDUZ	TEL-AWAINAT	TELAA-FAR	HAWI-JA	IFTI-KHAR	SHAQ-LAWA	[illegible]	TAMI-AAA	HIT	DIA-NA
1		0.3								
2										
3		0.5								
4										
5										
6		0.3								
7										
8										
9										
10							0.4			
11	13.0		7.5	2.8		11.0	2.4		2.9	7.7
12							0.7	2.0		
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
TOTAL	13.0	1.1	7.5	2.8	0.0	11.0	3.5	2.0	2.9	7.7

MAY 1960 (12) مايس ١٩٦٠

TABLE 14-c

الهطول اليومي (مليمترات)

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

تاريخ	كويسنجق	طق طق	فتحة	عمادية	ك٢	العظيم	منصور	طوسان	مركسور	عين سفني
DATE	KOIS-INJAG	TAG TAG	FATHA	AMA-DIA	K2	ALA-THAIM	MAKH-MOOR	TOSAN	MIRGA-SOOR	AIN-SIPNI
1										
2										
3										
4										
5										7.0
6										
7										
8										16.0
9							tr.			23.0
10				1.5				2.0	0.4	8.0
11		2.0	3.2	26.0	4.0	0.5	2.0	1.2	0.7	
12	3.0			3.5					0.9	
13										
14										
15										9.0
16										
17										
18										
19										
20										
21										8.0
22										
23										7.0
24										
25										
26										
27										
28								4.5		
29		tr.		tr.						10.0
30										
31										
TOTAL	3.0	2.0	3.2	31.0	4.0	0.5	2.0	7.7	2.0	88.0

NOTE: THE FOLLOWING STATIONS HAD NO RAINFALL AT ALL AND THE RECORDS WERE 0.0 mm.

ملاحظة : كان مجموع الشهري لهطول المطر في المحطات التالية صفرا

STATIONS : ALMANSOOR, HINDIA, KUT, SAMAWA, ZEBAR, KADERKARAM, KOUFRI, & QAYARA.

المحطات : المنصور ، هندية ، كوت ، سماوة ، زيبار ، قادركرم ، كفري ، كيارة .

TABLE 15.

CLIMATOLOGICAL SUMMARY الملخصات المناخية

NUMBER OF CASES OF PHENOMENAS : عدد الايام التي حدثت فيها الظواهر الجوية

المحطة	مطر	ثلج	برد	رواسب	غبار	تراب	الشمس		صقيع
STATION	RAIN	SNOW	SAIL	THUNDERS STORM	[illegible]	[illegible]	[illegible]	[illegible]	GROUND FROST
BAGHDAD	1	0	0	1	0	[illegible]	[illegible]	1	0
MOSUL	2	0	0	1	[illegible]	[illegible]	[illegible]	[illegible]	0
KIRKUK	1	0	0	1	0	3	[illegible]	[illegible]	0
KHANAQIN	0	0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]
RUTBAH	1	0	0	1	0	[illegible]	[illegible]	[illegible]	0
HAI	0	0	0	0	0	[illegible]	[illegible]	7	[illegible]
DIWANIYA	0	0	0	1	0	[illegible]	[illegible]	[illegible]	[illegible]
NASIRIYA	0	0	0	0	0	1	18	0	[illegible]
BASRAH	0	0	0	0	0	0	17	[illegible]	[illegible]
HABBANIYA	1	0	0	0	0	6	14	[illegible]	0

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة	المجموع الشهري لسطوع الشمس	اكبر مدة لسطوع الشمس		عدد الايام التي لم تظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY		No. OF DAYS WITHOUT SUNSHINE
		HOURS	DATE	
BAGHDAD	291.5	12.8	21&22	0
MOSUL	322.9	13.3	20	0
BASRAH	308.7	12.9	23	0
HABBANIYA	252.5	13.2	18&22	2

TABLE 17.

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

المحطة	حرارة الحشيش	حرارة التربة	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	19.0	29.6	24.3
MOSUL	....	28.5	23.0
KIRKUK	14.7	25.6	22.4
HAI	18.1	....	....
NASIRIYA	21.8	....	....
BASRAH	16.4	....	....
HABBANIYA	16.3	30.6	25.3

TABLE 18-a

RADIOSONDE OBSERVATIONS AT [illegible] (0000 G.M.T.) IN EASTERN ATLANTIC

Month: [illegible] 1960

DATE	SURFACE							1000 mbs.					850 mbs.					700 mbs.				
	$N_h C_L h_K V_U$	ww	ppp	TTT	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	540	16	00	–	–	134	02	62	–	–
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	528	18	04	–	–	144	04	68	–	–
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	007	21	10	–	–	495	19	31	–	–	118	06	61	–	–
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	134	07	56	–	–
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	161	08	55	–	–
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	165	08	52	–	–
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	521	17	08	–	–	160	07	03	–	–
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	168	07	52	–	–
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	22	05	–	–	157	07	52	–	–
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	490	24	05	–	–	143	09	00	–	–
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	139	08	55	–	–
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	490	17	10	–	–	115	08	05	–	–
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	136	06	04	–	–
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	490	21	04	–	–	126	06	53	–	–
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	106	04	59	–	–
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	482	16	02	–	–	096	05	56	–	–
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	16	00	–	–	106	05	56	–	–
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	521	17	03	–	–	144	09	61	–	–
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	502	19	58	–	–	132	06	70	–	–
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	464	15	02	–	–	076	07	59	–	–
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	473	20	59	–	–	113	10	71	–	–
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	488	25	01	–	–	138	09	63	–	–
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	500	24	04	–	–	154	10	60	–	–
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	515	27	51	–	–	182	12	57	–	–
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	500	27	01	–	–	167	12	57	–	–
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	499	26	04	–	–	160	12	55	–	–
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	522	27	13	–	–	191	12	03	–	–
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	499	27	04	–	–	170	12	04	–	–
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	490	22	52	–	–	133	10	64	–	–
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	–	–	[illegible]	[illegible]	[illegible]	–	–	117	09	60	–	–

TABLE 18-b

Month: May 1960 .

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS 0000 G.M.T. AT BAGHDAD AIRPORT .

DATE	600 mbs., HHH	TT	Td	dd	ff	500 mbs., HHH	TT	Td	dd	ff	400 mbs., HHH	TT	Td	dd	ff	300 mbs., HHH	TT	Td	dd	ff	200 mbs., HHH	TT	Td	dd	ff	150 mbs., HHH	TT	Td	dd	ff
1	358	57	12	-	-	575	60	34	-	-	736	81	55	-	-	934	97	07	-	-	196	06	16	-	-	378	06	17	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	380	54	68	-	-	579	65	73	-	-	745	77	83	-	-	944	94	97	-	-	203	13	16	-	-	381	08	12	-	-
4	359	53	70	-	-	577	64	80	-	-	742	77	91	-	-	944	91	04	-	-	207	09	-	-	-	384	13	-	-	-
5	388	51	69	-	-	581	62	77	-	-	747	75	88	-	-	950	91	02	-	-	216	05	15	-	-	394	13	-	-	-
6	406	53	63	-	-	582	61	82	-	-	745	76	94	-	-	950	91	04	-	-	212	13	-	-	-	388	11	-	-	-
7	402	55	61	-	-	582	64	69	-	-	747	77	76	-	-	948	92	99	-	-	210	10	11	-	-	387	13	15	-	-
8	401	54	55	-	-	581	65	65	-	-	747	77	77	-	-	947	92	93	-	-	-	-	-	-	-	-	-	-	-	-
9	406	55	60	-	-	582	64	73	-	-	748	74	66	-	-	951	90	00	-	-	214	13	21	-	-	390	14	22	-	-
10	399	53	63	-	-	582	62	78	-	-	749	73	95	-	-	953	88	96	-	-	220	08	16	-	-	396	15	-	-	-
11	396	52	67	-	-	582	61	78	-	-	749	72	76	-	-	955	86	92	-	-	223	08	12	-	-	-	-	-	-	-
12	372	53	60	-	-	580	62	68	-	-	747	72	66	-	-	951	89	94	-	-	217	10	14	-	-	-	-	-	-	-
13	363	52	65	-	-	578	62	78	-	-	746	74	80	-	-	949	89	00	-	-	215	08	12	-	-	394	15	-	-	-
14	392	00	51	-	-	581	63	68	-	-	748	75	78	-	-	950	89	92	-	-	218	03	06	-	-	403	05	08	-	-
15	373	52	66	-	-	579	63	77	-	-	745	76	85	-	-	948	87	98	-	-	225	96	05	-	-	412	06	16	-	-
16	386	54	70	-	-	575	63	81	-	-	741	75	92	-	-	944	88	03	-	-	218	98	12	-	-	403	09	-	-	-
17	386	53	70	-	-	576	62	81	-	-	742	75	92	-	-	946	86	02	-	-	220	97	11	-	-	407	06	18	-	-
18	387	55	61	-	-	575	62	76	-	-	742	72	87	-	-	949	83	95	-	-	222	00	10	-	-	409	08	18	-	-
19	400	51	67	-	-	583	62	78	-	-	751	71	85	-	-	958	83	93	-	-	328	97	05	-	-	418	08	16	-	-
20	380	52	77	-	-	580	62	85	-	-	746	75	93	-	-	951	86	03	-	-	227	97	12	-	-	412	08	-	-	-
21	386	51	71	-	-	575	59	82	-	-	743	73	95	-	-	946	89	96	-	-	215	02	17	-	-	398	08	-	-	-
22	370	52	81	-	-	582	57	88	-	-	749	75	97	-	-	951	90	10	-	-	217	05	-	-	-	398	11	-	-	-
23	385	52	73	-	-	581	60	80	-	-	748	74	96	-	-	953	87	03	-	-	223	02	16	-	-	405	10	-	-	-
24	411	00	68	-	-	584	64	77	-	-	751	73	89	-	-	956	87	01	-	-	227	00	13	-	-	413	06	18	-	-
25	407	01	65	-	-	586	64	75	-	-	755	73	87	-	-	961	86	97	-	-	234	00	10	-	-	418	09	18	-	-
26	433	01	56	-	-	587	59	66	-	-	750	72	77	-	-	959	88	91	-	-	231	00	04	-	-	414	11	14	-	-
27	414	01	55	-	-	584	61	63	-	-	752	73	74	-	-	956	89	91	-	-	225	01	05	-	-	409	10	13	-	-
28	454	01	54	-	-	586	60	66	-	-	755	72	77	-	-	960	88	92	-	-	229	01	05	-	-	415	05	10	-	-
29	436	01	52	-	-	586	60	62	-	-	754	74	79	-	-	958	89	92	-	-	229	02	09	-	-	413	06	13	-	-
30	381	52	79	-	-	579	63	88	-	-	745	75	98	-	-	949	88	11	-	-	219	04	-	-	-	401	10	-	-	-
31	372	00	67	-	-	580	60	75	-	-	748	75	87	-	-	952	88	00	-	-	223	99	10	-	-	408	08	18	-	-

TABLE 18-c

Month: May 1960 .

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS 1200 G.M.T. AT BAGHDAD AIRPORT.

DATE	SERFACE $N_h C_L h C_M C_H$	ww	app	ppp	TT	Td	dd	ff	1000 mbs., HHH	TT	Td	dd	ff	850 mbs., HHH	TT	Td	dd	ff	700 mbs., HHH	TT	Td	dd	ff
1	00900	02	718	163	32	05	36	08	146	24	13	34	16	548	18	00	32	19	167	05	62	34	14
2	00900	02	722	147	34	08	34	06	149	32	14	26	13	576	17	01	31	12	192	05	68	33	16
3	00907	03	718	109	36	03	29	08	101	35	03	30	12	532	20	52	31	18	165	07	60	31	13
4	11602	03	716	095	37	10	34	08	093	35	05	32	12	519	21	02	34	21	157	08	57	35	11
5	00908	02	717	093	38	08	19	09	088	36	09	00	00	535	24	03	00	00	189	08	02	04	09
6	21601	02	716	082	40	07	20	05	078	37	13	00	00	524	23	02	00	00	168	07	53	20	04
7	32738	02	713	112	37	08	21	08	101	34	11	19	06	539	22	04	19	08	176	07	51	05	14
8	00900	02	719	117	38	12	15	04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	00906	03	719	091	39	12	31	02	093	36	13	-	-	539	23	06	-	-	185	09	53	-	-
10	30978	02	717	067	39	14	20	03	061	36	18	-	-	512	24	11	-	-	170	12	04	-	-
11	35630	25	807	064	35	14	12	03	064	27	21	-	-	497	21	05	-	-	132	07	02	-	-
12	00900	06	713	071	36	14	01	06	077	34	15	-	-	558	23	13	-	-	211	10	03	-	-
13	10930	02	714	099	35	05	36	10	097	33	02	-	-	525	19	59	-	-	146	04	61	-	-
14	00900	02	718	085	37	08	35	04	087	33	11	-	-	520	22	05	-	-	160	09	55	-	-
15	00902	07	708	081	38	04	30	16	079	34	13	-	-	516	21	02	-	-	156	08	51	-	-
16	00900	02	715	098	35	05	32	08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	00900	02	718	082	35	05	02	05	046	32	09	-	-	504	20	00	-	-	133	07	57	-	-
18	00908	03	712	125	32	52	36	08	118	29	03	-	-	528	16	59	-	-	140	06	81	-	-
19	00902	03	823	103	36	52	34	12	095	27	15	-	-	507	19	52	-	-	139	08	67	-	-
20	00900	02	719	072	37	52	33	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	00900	02	715	057	39	05	02	10	055	35	17	-	-	500	24	53	-	-	152	13	65	-	-
22	00900	02	717	037	41	04	34	03	043	39	06	-	-	501	26	58	-	-	156	12	66	-	-
23	00900	08	611	057	42	01	36	08	057	35	13	-	-	515	26	62	-	-	173	11	74	-	-
24	00900	02	713	074	43	05	27	05	084	40	16	-	-	540	26	02	-	-	208	11	55	-	-
25	10932	02	713	063	44	06	20	05	062	40	19	-	-	534	28	09	-	-	204	12	53	-	-
26	30916	06	716	043	43	09	27	04	050	39	20	-	-	517	29	04	-	-	191	14	55	-	-
27	00907	06	707	057	42	12	04	06	058	40	14	-	-	516	25	05	-	-	186	13	54	-	-
28	00901	02	714	051	44	13	36	05	053	44	14	-	-	524	27	05	-	-	191	18	02	-	-
29	9x0xx	32	709	041	38	14	30	17	042	38	21	-	-	508	28	13	-	-	186	14	00	-	-
30	9x0xx	34	710	077	35	07	31	18	079	34	09	-	-	520	23	08	-	-	168	11	54	-	-
31	9x0xx	33	710	086	35	06	27	15	074	31	12	-	-	495	19	06	-	-	130	13	56	-	-

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RADIOSONDE OBSERVATIONS (GRAND) FOR 00 AT 1330 G.M.T. AT BAGHDAD AIRPORT .

DATE	600 mbs.					500 mbs.					400 mbs.					300 mbs.					200 mbs.					150 mbs.				
	HHM	TT	Td	dd	ff	HHM	TT	Td	dd	ff	HHM	TT	Td	dd	ff	HHM	TT	Td	dd	ff	HHM	TT	Td	dd	ff	HHM	TT	Td	dd	ff
1	371	34	70	35	29	578	65	75	36	23	752	70	92	32	42	951	95	06	32	30	193	05	15	31	50	336	06	16	27	4
2	382	32	69	31	28	583	64	69	29	29	763	69	88	29	08	946	95	06	30	38	202	12	-	29	64	382	15	-	29	-
3	412	31	66	31	16	594	61	73	32	28	751	73	84	31	15	955	90	99	28	32	220	11	20	-	-	399	08	-	-	-
4	407	31	68	33	05	585	62	72	34	14	750	75	89	24	06	953	89	01	28	12	220	07	17	26	38	397	13	-	28	36
5	436	00	31	34	09	586	62	74	-	-	752	75	87	-	-	955	89	99	-	-	221	09	17	-	-	398	14	-	-	-
6	415	33	62	30	08	583	62	73	08	11	748	75	86	-	-	952	89	97	-	-	-	-	-	-	-	-	-	-	-	-
7	415	34	68	08	15	582	64	85	33	05	746	77	78	16	08	949	93	95	21	07	212	09	12	-	-	389	15	18	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	436	00	60	-	-	588	56	73	-	-	758	69	86	-	-	965	86	00	-	-	234	07	18	-	-	412	13	-	-	-
10	434	02	55	-	-	589	57	69	-	-	759	68	74	-	-	967	88	93	-	-	237	08	16	-	-	414	14	-	-	-
11	380	00	58	-	-	582	59	81	-	-	750	72	75	-	-	955	87	-	-	-	221	07	-	-	-	401	11	-	-	-
12	373	03	68	-	-	593	55	78	-	-	763	79	98	-	-	970	85	03	-	-	241	05	19	-	-	421	10	25	-	-
13	390	00	73	-	-	582	58	82	-	-	750	73	95	-	-	954	88	08	-	-	222	05	-	-	-	405	05	-	-	-
14	378	00	69	-	-	582	61	76	-	-	752	75	89	-	-	956	89	01	-	-	230	04	-	-	-	419	04	-	-	-
15	404	00	65	-	-	583	62	78	-	-	749	73	90	-	-	953	86	99	-	-	230	94	07	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	399	33	80	-	-	579	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	387	00	-	-	-	582	61	-	-	-	750	70	93	-	-	958	84	99	-	-	232	00	15	-	-	415	11	-	-	-
19	389	01	77	-	-	582	60	83	-	-	750	71	91	-	-	957	83	00	-	-	232	91	-	-	-	417	09	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	424	01	78	-	-	585	57	81	-	-	757	71	-	-	-	962	87	07	-	-	232	02	20	-	-	416	07	-	-	-
22	423	03	77	-	-	587	59	82	-	-	756	70	95	-	-	962	87	09	-	-	231	03	-	-	-	414	09	-	-	-
23	408	01	69	-	-	586	60	88	-	-	754	70	89	-	-	961	86	02	-	-	233	01	15	-	-	417	09	-	-	-
24	356	01	64	-	-	588	62	73	-	-	756	69	85	-	-	964	83	97	-	-	238	00	12	-	-	422	10	-	-	-
25	470	02	59	-	-	591	58	68	-	-	759	71	77	-	-	966	84	89	-	-	-	-	-	-	-	-	-	-	-	-
26	461	02	56	-	-	590	59	63	-	-	759	71	72	-	-	964	88	89	-	-	231	03	-	-	-	-	-	-	-	-
27	460	04	62	-	-	591	57	72	-	-	761	72	90	-	-	965	90	02	-	-	236	02	12	-	-	415	07	17	-	-
28	456	06	57	-	-	589	59	71	-	-	757	72	83	-	-	961	91	99	-	-	231	01	09	-	-	414	10	17	-	-
29	458	03	55	-	-	590	58	65	-	-	759	72	79	-	-	963	87	96	-	-	237	99	07	-	-	422	07	16	-	-
30	435	03	61	-	-	588	59	76	-	-	756	71	88	-	-	962	87	02	-	-	234	98	11	-	-	-	-	-	-	-
31	396	03	65	-	-	584	59	75	-	-	752	72	87	-	-	957	86	99	-	-	229	01	12	-	-	412	10	20	-	-

TABLE 19

Month: May 1960

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (0001 G.M.T.)

850 , 700 & 500 - mbs., Surface , 0001 GMT.

STATIONS	62366			17606			17130			40754			40650			40427			40677			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.,	152	16	17	151	16	15	149	12	14	151	16	16	151	20	16	150	24	20	150	23	16	150	23	14
700-mbs.,	313	05	18	312	05	17	309	02	19	313	06	17	314	08	17	316	11	19	316	12	17	316	11	15
500-mbs.,	580	-12	20	578	-14	24	570	-16	27	578	-13	24	580	-12	22	586	-9	19	586	-8	21	586	-8	18

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS AT (1200 G.M.T.) , 850,700 & 500 mbs.,

STATIONS	62366			17606			17130			40754			40650			40427			40677			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.,	152	17	17	152	16	15	150	14	15	150	22	15	152	22	17	151	23	17	150	23	16	149	22	14
700-mbs.,	316	07	15	313	04	19	311	02	17	315	09	15	317	08	16	317	11	19	316	12	16	316	11	17
500-mbs.,	582	-11	26	578	-14	27	574	-16	26	581	-11	25	585	-9	24	586	-8	22	587	-8	20	586	-7	18

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20-a

BAGHDAD AIRPORT

Month: May 1960

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				1/1	1/1	1/1	1/1	1/1		1/1			1/1				10
>200 -500M			1	2	3		3	1	1								1/1		1/1						19
>500 -1000M			2	2	1	1	1	1	1	1		1	2	2	2		1	1			1/1	2/2			22
>1000 -1500M	1	1			1	1		1	2		3					1	1	1			1	1	1	1	17
>1500 -3000M	1	1	2	5	4	2	2	2	2	5	2	3		1	2	3	1	2	2	1		1	1	1	46
>3 -5KM			1		1	1		2			2	2	3	4	3	3	4		2	2	1	1	2		34
>5 -10KM	3	3	6	9	4	6	5		1	1	2	1	2		2	3	14	12	4	5	2	1	1	3	90
>10 -15KM	1		10	7	8	7	5	4	5	6	2	2	2	2		5	3	10	10	9	8	4	3	2	115
>15KM	25	26	9	6	8	9	14	19	19	18	20	21	21	21	21	15	6	4	12	14	17	21	23	24	387
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 for 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																									

TABLE 20-b

BAKRAH AIRPORT

Month: May 1960

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	1/1	1/1	1/1	1/1																		5
>500 -1000M	1/1	1/1			2/2	1/1	1/1	2/2	2/2	1/1	1/1													1/1	13
>1000 -1500M				3/3	1/1	1/1				1/1	1/1	1/1	1/1												9
>1500 -3000M			2/2			2/2	2/2	2/2	1/1	1/1		1/1	1/1	1/1									1/1		14
>3 -5KM		1/1	1/1	1/1	2/2				1/1		1/1			1/1	1/1	1/1	1/1	1/1	1/1						13
>5 -10KM	2/2	1/1	1	3	3	1/1	2/2	1/3	4	2/4	3/4	4/5	2/3	3/4	4/5	3/4	3/4	1/1	1/2	2/4	2/3	2/2	1/1	2/2	73
>10 -15KM	5	5	8	8	5	5	4	5	5	3	3	3	3	3	1	4	4	5	3	4	6	6	6	6	110
>15KM	23	23	18	15	17	17	19	19	18	21	21	21	23	22	24	22	22	24	25	23	22	23	23	22	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 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	1	1	1	1	1	1	1	1																1	9
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
900M	3	3	5	8	9	8	8	7	6	7	9	8	9	11	10	10	10	7	5	4	5	5	5	5	161

TABLE 21-a (2?) Monthly May 1960

[illegible]

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≥ 5 Oktas)

HEIGHT METRES	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																														
>300-600																														
>600-900																														
< 5/8 @ *			1		2	3		2	1	1			1	5	2				3	9	5	1	7	5	25	6	14	31	31	31
> 900		1	1				1	2				1	5		3		3	3	1	2	3	6	2	5	18	21	15	31	31	31
AND ≥ 5/8			3	1		6		2	8		1	3	2	1	19	2	1	9	4	1	28	10	4	40	12	21	132	31	31	248
TOTAL			1		2	3		2	1	1			1	5	2				3	9	5	1	7	5	25	6	14	31	31	31
		1	1				1	2	-			1	5		3		3	3	1	2	3	6	2	5	18	21	15	31	31	31
			3	1		6		2	8		1	3	2	1	19	2	1	9	4	1	28	10	4	40	12	21	132	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	GMT.
18	21	To	

To= Total for all hours

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

TABLE 21-6 (22) Month: May 1960.

BASRAH 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					1	1	1																					1	1	1
						2			1																					3
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *									1		3				2		1		2	3	4	5	8	4	23	15	19	30	30	30
900							1			1	1		1	1				1	4	3	4	3	3	4	21	23	22	31	31	31
AND ≥5/8									2			5			4	1		3	2	2	24	3	6	36	25	23	171	31	31	245
TOTAL					1	1	1		1		3				2		1		2	3	4	5	8	4	23	15	19	31	31	31
							1			1	1		1	1				1	4	3	4	3	3	4	21	23	22	31	31	31
						2			3			5			4	1		3	2	2	24	3	6	36	25	23	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.

الجمهورية العراقية

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METEOROLOGICAL DEPARTMENT

شعبة احصائيات المناخ

CLIMATOLOGICAL SECTION

تقرير المناخ الشهرى

Monthly Climatological Data

No. 6, 7, 8,
Vol. 23
Month June, July, August
Year 1960

العدد ٦ ، ٧ ، ٨
مجلد ٢٣
الشهر حزيران ، تموز ، آب
السنة ١٩٦٠

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

قسم الانواء الجوية

شعبة المناخ

بغداد

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MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معدلات مناخية شهرية لشهر حزيران ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR JUNE 1960

مجلد ٢٣ ، عدد (٦) حزيران ١٩٦٠

VOLUME 23 , No. (6) JUNE 1960 .

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General Situation of June 1960 Dust and Dry Month

Rising dust was the main character of this month . The first three days were dusty due to young depression advanced from west. On the 4th to 6th weather was settled over all Iraq. On the 7th and 8th local haze spread over Central and Southern areas. The period from 9th to 14th was fine followed by local haze on the 15th and 16th. Settled weather prevailed on the 17th , 19th and again on the 22nd and 23rd of the month. Then spread dust on Central and Southern areas continued towards the end of the month due to successive depressions advanced from the east of Mediterranean Sea over the Country. Strong SE'ly winds with dust phenomena and moderate NW'ly winds with settled weather during daytime, and light wind during night.

Temperatures and pressure records slightly above normal in all districts .

No record for rainfall in all areas .

لمحة عامـــــــــة عن حزيران ١٩٦٠ شهر مغبر و جاف

انصف هذا الشهر بحدوث زوابع ترابية متعددة فقد تصاعد غبار في اماكن متعددة من البلاد في الايام الثلاثة الاولى من هذا الشهر بسبب وجود منخفض جوي فوق العراق و في الايام ٤ و ٥ و ٦ من الشهر ساد جو حسن بصورة عامة . ثم عقب ذلك غبار محلي خفيف في المنطقة الجنوبية فقط في اليومين ٧ و ٨ . اما في الفترة الواقعة بين يومي ٩ ـ ١٤ منه فقد كان الجو حسنا في كافة انحاء القطر . و في يومي ١٥ و ١٦ منه تصاعد غبار محلي خفيف في انحاء مختلفة من البلاد . اما في الايام ١٧ و ١٨ و ١٩ منه فكان الجو صافيا ، و يومي ٢٠ و ٢١ كان مغبرا في المنطقتين الوسطى و الجنوبية ، بعد ذلك استقرار الجو خلال يومي ٢٢ و ٢٣ منه . تصاعد غبار كثيف في النصف الجنوبي من العراق يومي ٢٤ و ٢٥ منه و انتشر في المنطقة الوسطى خلال يوم ٢٦ منه و استمر الجو مغبرا حتى نهاية الشهر بسبب تعاقب الانخفاضات الجوية المتتالية فوق العراق قادمة من شرقي البحر الابيض المتوسط .

و اما الرياح فكانت جنوبية شرقية شديدة السرعة خلال الايام المغبرة و شمالية غربية معتدلة في الايام الحسنة خلال النهار و هادئة ليلا . و كان كل من درجات الحرارة و الضغط الجوي فوق المعدل بقليل في جميع المناطق ، و لم تسجل مقاييس المطر اية كمية خلال هذا الشهر .

JUNE 1960 — (1) — حزيران ١٩٦٠

TABLE - 1

المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C°) OF 8 OBSERVATIONS

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	30.1	27.3	28.2	26.5	32.0	28.8	30.2	30.5	28.3
2	34.7	30.0	31.5	29.3	34.9	32.7	33.4	32.7	33.2
3	31.2	29.1	29.0	24.5	31.0	29.9	31.6	32.9	29.2
4	31.3	27.2	28.3	23.3	31.5	30.5	31.4	31.2	28.5
5	31.2	27.2	27.6	22.4	32.5	31.5	32.2	31.8	28.9
6	29.7	26.6	27.6	24.0	30.4	28.4	29.9	30.4	28.4
7	31.3	27.3	29.4	25.7	31.7	29.6	30.1	30.2	30.0
8	31.3	28.3	31.0	27.8	32.9	31.4	30.5	31.9	30.1
9	32.4	29.4	32.2	29.6	34.1	31.6	31.2	32.2	31.5
10	34.7	31.0	33.2	29.5	35.6	33.2	33.8	33.5	32.6
11	35.8	30.3	32.2	29.7	35.4	32.9	32.7	33.1	33.2
12	34.2	29.8	32.2	28.7	35.1	33.3	33.6	32.9	31.8
13	35.6	31.8	33.3	29.6	34.6	32.8	33.3	33.1	32.8
14	36.6	32.9	33.5	29.9	36.8	34.7	34.7	33.8	33.7
15	36.3	31.8	34.9	27.1	37.1	34.4	34.9	34.1	33.3
16	33.7	29.0	30.7	27.4	35.1	33.0	31.0	33.7	31.1
17	34.1	32.5	32.1	29.2	34.1	32.1	32.9	32.5	32.5
18	36.8	32.9	33.7	30.5	34.7	32.6	33.6	32.9	34.8
19	35.9	33.4	33.9	30.1	35.9	33.8	34.5	33.8	34.3
20	34.2	31.7	31.9	27.4	35.6	32.3	33.4	34.8	32.2
21	32.9	30.0	29.9	27.6	33.2	31.8	32.5	31.8	31.6
22	32.3	29.2	30.5	26.1	33.8	31.8	33.2	32.8	30.3
23	32.9	30.4	31.0	26.3	33.2	31.3	33.0	32.4	30.2
24	34.0	31.9	31.6	27.5	34.6	32.5	32.1	32.4	32.7
25	34.9	32.6	32.1	28.5	35.7	34.1	31.0	32.8	33.4
26	35.2	32.7	32.7	29.4	37.3	34.4	30.7	33.1	33.5
27	34.0	32.3	34.5	29.5	35.1	33.9	31.2	33.1	34.4
28	36.1	34.5	36.9	30.7	34.6	34.2	34.0	33.4	35.4
29	36.7	34.9	37.2	31.5	35.3	34.1	34.4	38.3	35.6
30	35.5	33.7	34.7	31.0	36.0	33.4	34.3	34.5	35.1
MEANS	33.8	30.7	31.9	28.0	34.3	32.4	32.5	32.9	32.1

TABLE - 2. الصمدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS :

DATE التاريخ	BAGHDAD بغداد	MOSUL موصل	KIRKUK كركوك	RUTBA رطبة	HAI حي	DIWANIYA ديوانية	NASIRIYA ناصرية	BASRA بصرة	HABBANIYA حبانية
1	1009.4	1009.7	1009.3	1008.9	1007.7	1009.4	1008.3	1007.6	1009.9
2	07.1	08.5	07.5	05.3	06.5	07.6	07.3	07.1	07.2
3	09.8	09.2	09.3	10.4	08.7	09.8	08.4	07.3	10.4
4	09.3	10.4	09.7	10.6	08.3	09.1	08.3	07.4	09.8
5	07.7	08.8	08.0	10.0	06.3	07.4	06.3	05.6	08.5
6	09.6	09.8	09.1	11.2	08.2	09.7	07.9	06.6	10.0
7	08.1	09.8	07.9	10.3	06.5	08.3	06.9	06.0	08.7
8	06.4	08.1	06.3	07.9	04.0	06.3	05.0	03.5	07.0
9	04.3	06.1	04.4	05.1	02.4	04.0	03.4	02.1	04.8
10	04.4	06.0	04.6	06.2	03.1	04.3	03.7	02.9	04.9
11	04.4	05.5	04.4	06.0	03.1	04.4	03.5	02.6	05.2
12	01.7	02.8	02.0	03.7	00.3	01.7	01.0	999.6	02.8
13	02.2	03.3	02.2	04.2	00.6	02.1	01.3	99.9	03.0
14	04.5	05.3	04.9	06.3	02.6	04.6	03.2	1001.2	05.3
15	05.2	06.7	05.0	08.1	03.3	05.1	03.7	02.4	06.1
16	04.4	04.7	04.1	06.3	02.5	04.1	02.9	01.6	05.1
17	03.0	03.0	02.4	04.6	02.1	03.2	02.5	01.8	03.5
18	02.2	02.0	01.5	04.2	01.7	02.6	02.3	01.8	02.5
19	01.6	03.1	01.6	03.6	00.8	01.9	01.7	01.1	02.5
20	00.9	00.6	00.2	04.0	999.8	01.0	00.6	00.1	01.9
21	01.7	01.3	01.5	03.4	1000.9	01.9	01.8	00.9	02.2
22	02.5	03.3	02.8	04.8	01.3	02.3	01.7	00.0	03.5
23	04.1	05.0	03.7	05.7	02.9	04.3	03.4	01.7	04.5
24	05.0	06.7	05.4	07.6	02.5	04.8	03.2	01.9	05.8
25	03.7	06.0	04.1	07.1	00.7	03.1	01.5	999.6	05.1
26	02.1	03.1	02.2	06.4	998.7	01.7	00.1	97.1	03.4
27	998.8	999.9	998.5	04.9	96.8	998.9	998.3	98.8	00.3
28	94.4	98.2	94.6	01.2	93.8	95.1	95.1	94.2	996.8
29	94.1	94.4	93.3	998.8	93.3	94.3	94.3	93.8	95.4
30	95.6	95.0	94.8	97.6	95.5	96.3	95.4	94.5	96.6
MEANS	1003.6	1004.6	1003.5	1005.8	1002.2	1003.6	1002.8	1001.7	1004.4

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TABLE - 3

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	رطبة RUTBAH	حي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	حبانية HABBA-NIYA	بصرة BASRAH
1	32	42	28	30	27	38	44	36	55
2	24	39	21	28	23	29	30	24	53
3	28	39	25	38	33	35	37	35	54
4	26	36	21	36	26	30	29	34	58
5	24	36	21	44	23	27	28	28	63
6	29	38	24	37	27	31	38	33	61
7	24	40	19	26	22	30	39	30	52
8	18	40	18	24	19	27	37	32	36
9	21	38	14	23	23	30	38	32	43
10	23	31	15	25	17	29	27	31	40
11	14	40	13	21	17	27	36	29	45
12	22	39	12	25	20	26	34	29	49
13	18	36	15	29	23	31	34	30	52
14	19	29	16	23	18	24	30	29	47
15	19	31	14	34	18	27	32	32	38
16	27	48	25	34	25	31	35	40	40
17	32	42	25	30	26	35	38	36	44
18	30	38	18	31	26	30	39	33	48
19	27	35	20	32	25	31	32	33	49
20	28	37	20	41	25	31	39	37	41
21	24	38	22	36	24	33	37	40	50
22	31	44	24	37	28	35	37	38	51
23	29	38	22	35	26	34	32	29	44
24	23	33	20	35	21	26	39	24	45
25	20	30	18	32	17	21	38	21	44
26	19	22	13	29	17	19	38	20	44
27	21	32	21	31	19	21	33	19	39
28	15	31	22	26	24	25	23	15	35
29	19	32	18	22	24	26	24	16	37
30	22	32	20	22	23	29	35	21	43
MEANS	24	36	19	31	23	29	34	30	47

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TABLE 4-a. درجات الحرارة العظمى و الصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

التاريخ	بغداد BAGHDAD		موصل MOSUL		كركوك KIRKUK		خانقين KHANAQIN		رطبة RUTBAH	
	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	37.0	21.0	34.2	18.4	34.8	21.2	36.0	19.4	33.8	15.6
2	42.2	24.6	38.8	16.7	38.8	22.6	41.0	21.1	38.0	22.1
3	36.3	29.0	34.9	23.9	34.7	25.7	36.2	24.4	31.0	15.5
4	37.7	23.0	35.2	16.1	34.3	21.4	36.5	16.7	31.0	15.6
5	38.0	23.8	34.9	17.1	35.0	19.8	37.0	17.8	29.6	15.0
6	36.5	21.2	34.7	17.5	34.4	18.9	35.0	17.8	31.2	15.3
7	39.4	22.2	37.4	16.0	36.1	20.2	38.5	15.5	33.8	15.0
8	40.0	21.0	38.9	16.4	37.0	21.1	39.4	16.7	36.5	16.5
9	42.2	20.8	39.7	17.2	38.4	26.7	40.6	17.2	38.6	17.0
10	43.4	25.1	40.4	16.7	39.9	24.4	41.1	20.0	37.0	20.8
11	42.7	27.3	40.7	19.2	40.2	25.4	41.1	20.0	38.3	21.4
12	42.5	25.0	40.1	16.7	39.4	22.5	40.6	19.5	36.4	18.3
13	44.2	24.7	40.4	17.8	40.3	24.5	41.7	21.0	37.0	20.6
14	44.4	25.7	41.5	20.5	40.8	24.9	42.2	20.0	37.4	21.3
15	43.6	29.2	41.2	21.0	42.3	26.7	43.3	20.6	36.0	18.8
16	40.5	27.8	39.0	19.6	37.6	22.8	38.9	24.5	34.6	20.2
17	41.4	23.7	40.2	19.3	39.4	24.4	39.6	20.6	36.4	20.0
18	42.5	25.4	42.6	21.3	40.9	25.9	41.5	22.2	37.8	21.8
19	44.3	28.2	40.2	25.0	41.0	25.4	42.5	22.2	37.6	21.6
20	40.2	25.8	39.4	24.2	38.6	26.3	42.0	23.0	34.0	19.4
21	40.3	25.2	38.9	18.0	37.3	22.2	38.0	25.0	35.2	19.2
22	40.2	23.5	36.4	21.2	36.8	23.3	39.0	26.0	33.3	18.6
23	40.5	22.9	38.1	19.7	37.6	23.6	39.0	23.3	34.8	18.1
24	41.9	26.5	39.9	21.8	38.8	23.7	40.6	22.0	35.5	18.5
25	42.0	27.1	40.5	21.0	40.3	23.1	44.0	20.0	37.0	19.0
26	44.2	26.4	42.2	24.1	41.6	22.2	45.0	20.6	38.5	19.2
27	42.7	24.3	44.0	17.9	44.4	22.2	43.9	19.4	37.5	20.0
28	46.2	26.1	44.2	27.1	44.5	30.0	47.2	25.6	39.3	20.8
29	46.2	27.4	44.1	23.3	44.4	30.4	45.6	25.0	39.5	22.5
30	44.8	26.3	44.0	20.2	43.0	26.9	43.3	25.0	39.4	22.3
MEAN	41.6	24.9	39.6	19.8	39.1	23.7	40.6	21.1	35.8	19.0

RECORDS OF TEMPERATURES المقاييس الماضية :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN. C.	DAY	YEAR
BAGHDAD	48.3	18	1949	14.4	4	1943
MOSUL	46.7	27	1958	11.1	1	1952
KIRKUK	46.1	24	1942	13.9	2	1943
KHANAQIN	47.2	28	1960	10.0	6	1959
RUTBAH	44.5	17	1949	7.8	22	1936

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TABLE -4-b

درجات الحرارة العظمى و الصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حـي		ديوانية		ناصرية		بصرة		حبانيـة	
	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	37.4	21.6	36.2	19.5	36.0	23.2	36.0	24.6	36.4	20.4
2	41.0	22.8	41.3	23.4	41.8	25.9	40.7	24.2	41.7	21.6
3	35.5	26.0	35.4	23.5	38.9	24.6	39.3	25.9	35.0	26.1
4	37.4	21.7	37.4	19.2	38.5	22.9	36.4	24.3	36.7	19.1
5	38.3	23.4	38.4	21.7	39.4	24.8	38.0	25.2	35.8	20.0
6	34.6	23.1	34.6	20.1	36.0	24.5	36.2	24.7	36.1	20.0
7	37.5	22.8	37.6	19.2	35.4	25.6	36.3	24.9	38.4	20.7
8	39.4	21.6	39.0	21.3	36.1	25.6	37.5	25.4	39.9	19.7
9	40.6	23.8	40.2	20.6	37.8	25.0	37.9	24.5	42.4	20.9
10	42.0	24.4	41.5	20.8	41.3	27.4	41.0	25.5	42.8	22.4
11	41.4	24.6	41.2	22.6	41.6	22.0	41.2	23.9	43.0	24.4
12	40.2	25.2	41.0	23.7	40.8	28.2	40.0	26.4	41.6	22.0
13	40.7	24.4	40.6	22.0	41.2	23.0	40.1	24.7	42.1	22.2
14	42.4	25.9	42.5	24.7	42.4	28.5	39.5	27.8	42.8	24.9
15	43.5	25.8	42.2	24.6	43.3	27.6	40.7	27.3	41.7	25.5
16	41.0	27.9	39.4	25.6	41.8	28.2	40.4	27.1	38.6	23.3
17	39.5	25.2	39.4	23.0	40.0	27.6	38.8	24.9	40.2	23.9
18	40.7	25.8	40.6	23.5	40.6	23.7	39.4	25.9	43.0	25.5
19	41.8	26.1	42.0	25.2	42.6	27.0	40.7	26.2	42.8	26.6
20	42.5	25.2	38.8	23.0	42.0	23.9	41.3	26.1	39.0	23.5
21	38.2	28.8	38.0	24.6	38.0	29.2	36.7	28.6	38.8	23.4
22	39.6	24.0	39.5	21.5	41.0	24.0	39.4	25.5	37.5	23.8
23	39.0	24.8	38.0	22.6	39.5	25.9	38.0	27.0	38.9	22.2
24	40.1	23.9	40.0	24.0	37.0	27.0	38.0	26.2	40.6	25.6
25	41.6	27.0	40.0	25.4	37.2	26.0	40.0	26.5	40.7	24.1
26	43.0	27.8	40.5	26.0	34.0	24.9	38.6	27.0	40.8	25.0
27	41.0	26.9	40.5	23.5	36.0	25.8	39.0	28.1	41.7	22.8
28	42.5	23.9	43.0	24.9	40.5	27.4	39.3	27.7	43.9	26.2
29	43.0	25.7	42.5	26.6	42.8	29.0	42.2	28.6	45.0	26.7
30	42.4	28.2	42.0	25.8	41.6	28.2	41.8	27.2	43.9	24.5
MEANS	40.3	24.9	39.8	23.7	39.7	25.9	39.1	26.1	40.4	23.3

RECORDS OF TEMPERATURES : — المقاييس الماضيـــة :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
HAI	49.5	26	1942	18.3	1	1943
DIWANIYA	46.6	28	1947	14.4	1	1942
NASIRIYA	48.3	26&27	1955	18.3	13&26	1943
BASRAH	48.2	26	1957	20.5	1	1952
HABBANIYA	48.9	24	1942	15.6	3	1943

TABLE 5. المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

	T I M E - G . M . T .								
STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	27.9	26.1	33.2	38.6	41.0	39.5	33.4	30.3	33.8
MOSUL	22.7	21.4	30.7	37.1	38.8	37.6	31.1	26.1	30.7
KIRKUK	25.8	25.5	33.0	36.4	37.7	36.7	31.5	28.2	31.9
KHANAQIN	.....	27.6	34.8	38.9	40.4	38.7	32.1	.....	35.4
RUTBAH	21.4	20.3	26.8	32.1	35.1	34.7	29.1	24.8	28.1
HAI	.....	25.9	33.9	38.5	39.4	36.9	31.4	....	34.3
DIWANIYA	25.7	24.6	33.4	38.2	39.7	37.9	31.2	28.7	32.4
NASIRIYA	27.9	26.9	32.0	37.7	38.0	35.9	32.1	30.1	32.6
BASRAH	28.2	26.8	33.1	36.5	38.4	36.1	32.3	30.1	32.7
HABBANIYA	25.2	24.1	31.9	38.2	39.8	38.3	31.4	28.2	32.1

TABLE 6 المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.4	16.5	20.0	21.2	21.6	21.3	19.9	18.6	19.6
MOSUL	16.0	16.5	19.5	21.1	21.5	21.2	18.8	17.0	19.0
KIRKUK	15.3	15.2	18.4	19.1	19.2	19.3	16.9	16.3	17.5
KHANAQIN	.....	16.0	19.5	20.6	21.0	20.1	18.2	.....	19.2
RUTBAH	13.9	13.6	17.2	19.1	20.2	19.8	17.1	15.2	17.0
HAI	.....	15.4	19.6	20.5	20.4	19.7	18.1	.....	19.0
DIWANIYA	16.7	16.9	20.9	22.4	22.3	21.9	19.7	18.3	19.9
NASIRIYA	18.7	18.0	21.0	22.4	24.2	23.5	22.3	20.7	21.4
BASRAH	21.4	20.9	23.5	25.6	25.9	25.4	24.3	23.0	23.8
HABBANIYA	16.9	16.5	20.0	22.0	22.2	21.8	19.6	18.2	19.6

TABLE 7 المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	03.4	04.0	04.9	04.5	03.0	02.5	03.2	03.2	1003.6
MOSUL	05.4	06.4	05.8	04.6	03.1	02.2	03.7	04.3	1004.4
KIRKUK	04.3	04.8	04.2	03.5	02.1	01.7	03.4	04.0	1003.5
KHANAQIN	.....	05.0	03.4	02.5	02.0	01.2	03.0	.....	1002.9
RUTBAH	05.0	06.7	06.9	06.4	05.2	05.2	05.3	05.6	1005.8
HAI	.....	02.5	03.1	02.7	01.1	01.1	02.0	.....	1002.1
DIWANIYA	03.2	04.0	01.5	04.5	03.2	02.7	03.4	03.3	1003.2
NASIRIYA	02.5	03.0	03.8	03.4	02.2	02.1	02.7	02.7	1002.8
BASRAH	01.6	01.8	02.6	02.5	01.5	00.8	01.5	01.7	1001.8
HABBANIYA	04.3	05.0	05.7	05.2	03.9	03.2	03.9	04.2	1004.4

TABLE 8 المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	31	33	26	17	13	15	24	29	24
MOSUL	51	62	35	23	21	23	31	41	36
KIRKUK	27	39	20	14	11	12	17	24	19
KHANAQIN	..	25	19	15	13	14	20	..	18
RUTBAH	39	46	35	25	21	21	25	31	30
[illegible]	..	32	23	18	15	19	26	..	23
DIWANIYA	38	45	29	22	18	22	31	33	29
NASIRIYA	38	39	34	23	27	33	40	40	34
BASRAH	53	57	43	0	35	40	50	53	46
HABBANIYA	41	43	60	21	18	20	30	34	30

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TABLE 9 — المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (MBS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.9	11.3	12.9	11.3	10.2	11.0	12.4	12.2	11.6
MOSUL	12.0	11.6	13.3	14.5	14.3	14.4	13.6	13.3	13.4
KIRKUK	9.8	9.2	9.5	8.4	7.5	7.3	7.8	8.1	8.5
KHANAQIN	....	9.8	10.6	9.8	8.3	8.7	9.6	....	9.6
RUTBAH	9.9	10.5	12.0	11.9	12.1	11.2	10.1	9.9	11.0
HAI	....	10.7	13.2	12.1	11.9	11.5	11.5	....	11.8
DIWANIYA	12.3	13.6	15.9	14.6	13.1	12.8	13.8	12.3	13.6
NASIRIYA	14.2	15.6	16.3	14.7	13.4	13.0	13.1	16.9	14.4
BASRAH	20.1	20.0	21.5	24.4	23.7	23.7	24.1	22.3	22.5
HABBANIYA	12.8	12.7	14.1	13.7	12.9	12.2	13.2	13.9	13.2

TABLE 10 — المعدل الشهري لدرجات الندى (سنغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.8	9.4	10.5	8.4	7.5	7.9	9.8	9.3	8.8
MOSUL	11.6	11.5	13.2	12.3	12.1	12.1	11.1	11.1	12.1
KIRKUK	5.0	5.3	5.8	3.8	2.2	1.9	3.7	5.2	4.0
RUTBAH	6.5	7.3	9.3	9.2	0.7	0.3	6.5	6.4	8.0
HAI	....	7.6	10.8	9.5	10.8	8.6	9.4	....	9.5
DIWANIYA	9.6	11.2	12.6	12.3	10.7	11.4	11.8	10.6	11.2
NASIRIYA	11.9	11.1	13.9	12.3	15.0	16.5	16.6	14.7	14.0
BASRAH	17.4	20.0	18.4	20.3	19.8	20.2	20.3	19.2	19.5
HABBANIYA	10.2	10.3	11.8	10.5	10.1	10.3	10.7	10.5	10.6

TABLE 11 — المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.3	0.3	0.5	0.8	0.3	0.8	0.3	0.4
MOSUL	0.3	0.4	0.4	0.2	0.4	0.2	0.3	0.3	0.4
KIRKUK	0.6	0.6	0.3	0.5	0.3	0.4	0.3	0.3	0.4
KHANAQIN	....	0.0	0.0	0.0	0.0	0.0	0.0	....	0.0
RUTBAH	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.1
HAI	....	0.0	0.2	0.2	0.2	0.2	0.0	....	0.1
DIWANIYA	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.2
NASIRIYA	0.3	0.3	0.8	1.6	2.4	1.1	0.3	0.3	0.9
BASRAH	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.1
HABBANIYA	0.3	0.3	0.5	0.3	0.9	0.5	0.3	0.0	0.4

TABLE 12 — المعدل الشهري لكمية الغيوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.2	0.3	0.3	0.7	0.9	0.7	1.0	0.5	0.6
MOSUL	0.3	0.4	0.5	0.3	0.5	0.6	0.3	0.3	0.4
KIRKUK	0.6	0.6	0.3	0.5	0.3	0.4	0.3	0.3	0.4
KHANAQIN	....	0.0	0.0	0.3	0.4	0.0	0.1	....	0.1
RUTBAH	0.0	0.0	0.3	0.4	0.4	0.2	0.2	0.0	0.2
HAI	....	0.0	0.2	0.2	0.2	0.2	0.0	....	0.1
DIWANIYA	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.2
NASIRYIA	0.3	0.3	0.8	1.6	2.4	1.1	0.3	0.3	0.9
HABBANIYA	0.3	0.3	0.5	0.6	1.1	0.8	0.5	0.5	0.6
BASRAH	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.1

1960 — حزيران ١٩٦٠

13-a

عدد تكرار رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

المحطة	الوقت كرينتش	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد					معدل السرعة
TION	TIME GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	34-[illegible]	MEAN V.K.
[illegible]	0000	10	0	0	0	0	0	2	9	9	17	4	0	0	6
	0300	9	2	1	0	0	0	0	13	5	22	3	0	0	6
	0600	8	0	1	0	0	0	2	19	0	23	7	0	0	6
	0900	8	1	2	0	0	0	3	16	0	15	15	0	0	10
	1200	8	1	1	1	0	0	6	13	0	16	14	0	0	11
	1500	9	0	0	0	1	0	10	9	1	21	[illegible]	0	0	9
	1800	0	0	0	0	0	0	3	14	13	15	[illegible]	0	0	4
	2100	5	0	0	1	0	0	2	12	10	18	[illegible]	0	0	5
	TOTAL	57	4	5	2	1	0	28	105	38	146	56	0	0	7
موصل	0000	6	1	0	0	1	0	14	5	0	20	5	2	0	8
	0300	9	0	0	0	0	0	17	4	0	23	6	1	0	8
	0600	6	1	0	2	0	0	7	14	0	21	0	0	0	9
	0900	7	1	3	1	2	1	11	4	0	13	17	0	0	11
	1200	4	0	2	1	1	2	15	5	0	10	13	2	0	13
	1500	6	0	1	0	2	1	15	4	1	13	13	3	0	11
	1800	1	1	1	0	0	3	20	0	4	8	11	1	0	11
	2100	6	1	0	0	1	0	17	4	1	18	11	0	0	9
	TOTAL	45	5	7	4	7	7	116	40	9	126	96	9	0	10
كركوك	0000	4	7	0	0	0	0	2	0	17	13	0	0	0	2
	0300	2	10	0	0	0	0	1	1	16	14	0	0	0	2
	0600	6	3	1	0	2	2	4	2	10	20	0	0	0	3
	0900	2	2	0	1	1	4	13	2	5	22	3	0	0	6
	1200	0	0	0	1	0	9	15	3	2	19	8	1	0	9
	1500	0	0	0	0	0	7	17	4	2	19	8	1	0	9
	1800	0	0	0	1	0	1	16	4	8	20	2	0	0	4
	2100	5	3	0	1	0	0	4	1	16	13	1	0	0	2
	TOTAL	19	25	1	4	3	23	72	17	76	140	22	2	0	5
رطبة	0000	8	0	0	1	0	0	0	14	7	9	13	1	0	10
	0300	4	1	0	1	0	0	4	11	9	13	7	1	0	7
	0600	13	2	0	0	2	0	0	12	1	18	10	0	1	10
	0900	8	2	1	1	2	1	4	11	0	24	6	0	0	9
	1200	7	0	0	2	1	5	8	7	0	18	11	0	1	11
	1500	7	1	1	1	1	1	10	7	1	19	9	1	0	10
	1800	9	1	3	0	0	0	4	10	3	24	2	1	0	6
	2100	3	4	0	1	0	1	2	10	9	13	8	0	0	7
	TOTAL	57	11	5	7	6	8	32	82	30	138	66	4	2	9
[illegible]	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	1	4	0	3	0	1	0	1	20	10	0	0	0	1
	0600	0	5	0	2	0	4	1	1	7	13	0	0	0	2
	0900	0	0	0	2	0	17	4	4	3	27	0	0	0	5
[illegible]IN	1200	0	0	0	1	0	21	5	0	3	26	1	0	0	6
	1500	0	0	0	2	0	25	3	0	0	30	0	0	0	6
	1800	0	0	0	0	0	2	8	2	8	11	1	0	0	2
	TOTAL	1	9	0	10	0	70	21	8	61	117	2	0	0	4

TABLE 13-b

عدد تكرار رصدات الرياح السطحيـــــــة

SURFACE-WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.E.
	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	5	0	0	0	0	0	16	8	1	24	5	0	0	6
	0600	4	0	0	0	0	0	11	15	0	24	6	1	0	10
	0900	8	0	0	0	0	0	7	14	1	12	10	7	0	14
	1200	4	0	0	0	1	0	7	18	0	9	16	5	0	15
	1500	1	0	0	0	0	0	8	20	1	18	11	0	0	9
	1800	4	0	0	0	0	0	7	16	3	23	3	1	0	7
	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	26	0	0	0	1	0	56	91	6	107	53	14	0	10
	0000	12	0	0	0	1	0	9	5	3	19	6	0	0	7
	0300	11	0	0	0	0	0	14	6	2	24	4	0	0	6
	0600	10	2	2	0	0	0	14	2	0	14	16	0	0	9
	0900	7	0	1	0	0	0	15	7	0	15	14	1	0	11
	1200	5	0	0	0	0	0	15	9	1	11	18	0	0	11
	1500	13	0	0	0	0	0	11	6	0	25	5	1	0	8
	1800	10	2	1	0	0	0	9	7	1	25	5	1	0	8
	2100	15	0	3	0	0	0	8	2	2	25	3	0	0	6
	TOTAL	83	4	7	0	1	0	92	44	9	158	70	3	0	9
	0000	10	0	0	1	1	2	11	5	0	16	14	0	0	10
	0300	8	1	0	1	0	1	9	10	0	23	7	0	0	8
	0600	0	0	0	0	0	0	9	21	0	23	7	0	0	10
	0900	0	0	0	0	0	0	9	21	0	16	14	0	0	11
	1200	1	0	0	0	0	0	14	16	0	6	24	0	0	12
	1500	0	0	0	1	0	0	11	19	0	22	8	0	0	10
	1800	10	0	0	1	0	0	8	11	0	27	3	0	0	8
	2100	11	1	0	1	0	0	9	8	0	20	10	0	0	9
	TOTAL	44	2	0	5	1	3	77	112	0	153	87	0	0	10
	0000	12	1	0	0	0	0	2	15	0	23	7	0	0	8
	0300	9	0	0	0	0	1	6	11	3	25	2	0	0	6
	0600	10	1	0	0	0	0	2	16	1	14	15	0	0	10
	0900	3	0	0	0	0	0	1	26	0	8	22	0	0	13
	1200	3	0	0	0	0	0	1	26	0	11	19	0	0	13
	1500	1	0	0	0	0	0	1	25	3	20	7	0	0	7
	1800	3	0	0	0	0	0	2	22	3	20	7	0	0	8
	2100	8	0	0	0	0	0	1	20	1	24	5	0	0	8
	TOTAL	49	2	0	0	0	1	16	161	11	145	84	0	0	9
	0000	0	0	0	0	0	1	5	9	15	12	3	0	0	4
	0300	1	0	1	0	0	0	6	16	6	20	4	0	0	6
	0600	2	1	1	0	0	0	5	21	0	21	9	0	0	9
	0900	2	0	1	0	0	0	8	16	3	17	9	1	0	8
	1200	3	0	0	0	4	0	12	11	0	19	10	1	0	10
	1500	3	0	0	0	2	0	10	12	3	19	8	0	0	8
	1800	3	1	0	1	0	0	7	6	12	13	5	0	0	4
	2100	1	0	0	0	0	0	8	8	13	14	3	0	0	4
	TOTAL	15	2	3	1	6	1	61	99	52	135	5	2	0	7

JUNE 1960 .
TABLE 14 .

حزيران ١٩٦٠ .
الهطول اليومي (ملليمترات)

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

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	خانقين KHANA-QIN	رطبة RUTBAH	حي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BASRA	حبانية 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										
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECORDS OF RAINFALL

المقاييس الماضية :

STATION	HIGHEST RAINFALL	DAY	YEAR
BAGHDAD	2.5	2	1955
MOSUL	5.4	5	1959
KIRKUK	2.7	12	1957
KHANAQIN	6.0	12	1957
RUTBAH	1.7	2	1954
HAI	0.3	4	1957
DIWANIYA	tr.	11	1944
NASIRIYA	tr.	4	1957
BASRAH	tr.	1&2	1958
HABBANIYA	tr.	5	1957

TABLE 15 .

CLIMATOLOGICAL SUMMARY الملخصات المناخيـــــة

NUMBER OF DAYS OF CASES OF PHENOMENAS الايام لحدوث الظواهر الجوية

المحطة STATION	مطر RAIN	ثلج SNOW	برد HAIL	زوابع رعدية THUNDER STORM	ضباب FOG	تراب DUST	صاحية STATE OF SKY CLEAR	غائم CLOUDY
BAGHDAD	0	0	0	0	0	7	24	0
MOSUL	0	0	0	0	0	3	28	0
KIRKUK	0	0	0	0	0	2	28	0
KHANAQIN	0	0	0	0	0	0	29	0
RUTBAH	0	0	0	0	0	1	28	0
HAI	0	0	0	0	0	2	29	0
DIWANIYA	0	0	0	0	0	3	28	0
NASIRIYA	0	0	0	0	0	6	25	0
BASRAH	0	0	0	0	0	4	30	0
HABBANIYA	0	0	0	0	0	5	..	.

TABLE 16 .

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة STATION	المجموع الشهري لسطوع الشمس MONTHLY TOTAL SUNSHINE HOURS	اعلى يوم للسطوع MAX. SUNSHINE IN ONE DAY HOURS	DATE	عدد الايام التي لم تظهر الشمس No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	311.3	12.6	5,6&12	1
MOSUL	356.8	13.3	27	0
BASRAH	322.0	12.7	20	0
HABBANIYA	284.4	13.1	30	0

TABLE 17 . المعدل الشهري للحرارات

MONTHLY MEAN TEMPERATURES OF :

المحطـــــة STATION	حرارة الحشيـــش GRASS MINIMUM TEMPERATURE	حرارة التربـــــة EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	21.9	32.2	27.0
MOSUL	....	33.4	28.2
KIRKUK	17.4	29.0	25.9
HAI	20.6	....	....
NASIRIYA	22.8	....	....
BASRAH	18.7	....	....
HABBANIYA	20.8	31.9	28.1

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (0000 G.M.T.) AT BAGHDAD AIRPORT

DATE	SURFACE $N_h C_L h C_M C_H$	ww	app	PPP	TT	Td	dd	ff	1000 mbs., HHH	TT	Td	dd	ff	850 mbs., HHH	TT	Td	dd	ff	700 mbs., HHH	TT	Td	dd	ff	600 mbs., HHH	TT	Td	dd	ff
1	00900	02	704	082	26	11	35	02	087	26	09	-	-	498	19	02	-	-	123	07	58	-	-	370	51	66	-	-
2	00900	02	701	093	27	10	00	00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	00902	06	220	070	31	08	29	09	061	31	09	-	-	502	25	06	-	-	160	11	53	-	-	420	51	59	-	-
4	00900	02	714	097	25	08	02	08	087	27	08	-	-	509	20	5[illegible]	-	-	146	09	62	-	-	401	01	75	-	-
5	00900	02	710	075	27	06	36	10	067	27	07	-	-	495	20	05	-	-	128	07	53	-	-	378	00	65	-	-
6	00901	02	203	090	26	08	33	06	075	25	08	-	-	485	18	53	-	-	109	08	65	-	-	362	01	69	-	-
7	00902	02	709	086	24	09	31	06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	00900	02	703	077	24	03	34	08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	00900	02	712	045	25	03	32	04	046	24	05	-	-	478	24	00	-	-	129	12	61	-	-	395	03	69	-	-
10	00900	02	606	035	26	11	00	00	031	26	11	-	-	491	27	52	-	-	153	12	67	-	-	418	02	73	-	-
11	00900	02	705	045	32	03	36	06	044	32	08	-	-	483	25	02	-	-	131	10	57	-	-	382	00	64	-	-
12	00900	02	608	076	30	06	0	0	025	31	-	-	-	470	25	-	-	-	127	12	-	-	-	392	02	-	-	-
13	00900	02	303	011	28	09	32	04	010	25	09	-	-	439	22	03	-	-	079	08	59	-	-	332	00	67	-	-
14	00900	02	701	030	32	06	36	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	00900	02	709	043	32	09	02	08	045	32	14	-	-	505	27	07	-	-	172	12	55	-	-	432	01	63	-	-
16	00900	02	602	051	29	11	36	10	044	28	09	-	-	481	25	04	-	-	139	11	54	-	-	412	04	64	-	-
17	00900	02	705	054	33	12	00	00	037	28	10	-	-	473	23	05	-	-	125	11	55	-	-	405	05	63	-	-
18	00900	02	606	016	27	14	00	00	002	26	10	-	-	448	25	07	-	-	108	11	54	-	-	368	01	65	-	-
19	00900	02	708	047	29	13	00	00	032	03	10	-	-	482	25	04	-	-	141	11	01	-	-	399	00	62	-	-
20	00900	02	703	004	28	17	00	00	003	-	-	-	-	463	26	10	-	-	129	12	52	-	-	396	04	60	-	-
21	00900	06	101	018	29	11	31	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	00900	02	702	010	27	15	00	00	007	26	16	-	-	454	27	09	-	-	126	12	00	-	-	392	03	60	-	-
23	00900	02	604	041	26	12	00	00	023	24	12	-	-	455	22	10	-	-	095	10	54	-	-	362	07	66	-	-
24	00900	02	301	048	30	10	35	09	043	29	11	-	-	487	24	01	-	-	132	11	60	-	-	400	05	75	-	-
25	00900	02	400	046	28	08	32	08	042	27	06	-	-	474	23	01	-	-	134	15	62	-	-	422	09	71	-	-
26	00900	02	701	025	29	06	34	12	025	21	13	-	-	464	30	07	-	-	168	20	54	-	-	470	10	62	-	-
27	00900	02	707	008	27	09	31	12	014	19	13	-	-	444	28	53	-	-	127	17	73	-	-	413	08	79	-	-
28	00900	06	717	946	29	04	30	14	(+49)	-	-	-	-	383	25	01	-	-	064	18	69	-	-	357	09	72	-	-
29	00900	02	702	936	29	07	29	07	(+ 55)	-	-	-	-	409	29	06	-	-	090	15	55	-	-	375	08	62	-	-
30	00900	02	201	936	30	09	31	06	(+45)	-	-	-	-	414	27	03	-	-	089	16	59	-	-	374	07	68	-	-

NOTES : [illegible] (-) MEANS NOT AVAILABLE OR NO REPORT.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (0000 G.M.T.) AT BAGHDAD AIRPORT

	500 mbs.,					400 mbs.,					300 mbs.,					200 mbs.,					150 mbs.,				
DATE	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff
1	580	61	79	-	-	744	75	90	-	-	948	91	04	-	-	216	09	17	-	-	396	11	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	589	66	73	-	-	959	72	86	-	-	959	84	97	-	-	234	00	09	-	-	419	09	17	-	-
4	583	60	81	-	-	752	72	90	-	-	958	89	01	-	-	232	01	16	-	-	416	08	-	-	-
5	581	61	76	-	-	748	73	86	-	-	952	85	01	-	-	222	04	15	-	-	404	11	-	-	-
6	584	58	77			745	70	87			955	87	02			225	02	15			408	09			
7	-	-	-			-	-	-			-	-	-			-	-	-			-	-	-		
8	-	-	-			-	-	-			-	-	-			-	-	-			-	-	-		
9	584	57	77			753	62	82			948	86	02			232	97	13			417	08	-		
10	586	59	82			755	70	93			963	81	03			241	95	15			429	05	-		
11	584	60	76			750	71	86			956	83	97			232	96	08			419	06	17		
12	583	60	-			751	73	-			955	88	-			229	97				414	08			
13	577	58	75			745	73	88			949	89	03			221	01	13			404	11			
14	-	-	-																						
15	588	58	74			756	71	86			962	84	97			237	01	12			419	12			
16	587	55	73			757	70	87			967	79	96			247	95	09							
17	586	56	74			756	69	85			966	79	94			245	97	10			430	19			
18	581	59	77			751	66	84			963	78	96			243	97	12			429	07	22		
19	584	58	76			754	69	88			963	80	99			242	96	13			427	10			
20	584	55	69			756	66	81			967	79	90			247	96	06			433	07	17		
21	-	-	-																						
22	585	55	75			756	65				968	80	98			244	00	15			427	11			
23	582	53	72			755	65	80			966	79	75			245	96	10			431	08	20		
24	586	54	80			758	66	91			969	80	79			246	99	16			430	10			
25	589	55	78			760	67	88			970	79	99			248	99	16			431	12			
26	595	52	74			767	65	83			980	78	97			260	97	13			443	10			
27	588	52				761	66				972	79				250	98				435	09			
28	583	53	81			756	64	90			968	79	02			245	99	18			431	06			
29	585	52	72			763	63	81			976	77	93			256	96	10			442	08			
30	584	55	78			756	63	84			969	77	95			250	95	11			437	07			

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200 G.M.T.) AT BAGHDAD AIRPORT

DATE	SURFACE $N_hC_Lh C_M C_H$	ww	app	PPP	TT	Td	dd	ff	1000 mbs., HHH	TT	Td	dd	ff	850 mbs., HHH	TT	Td	dd	ff	700 mbs., HHH	TT	Td	dd	ff	600 mbs., HHH	TT	Td	dd	ff
1	00900	02	714	087	37	10	34	10	081	34	12	22	29	518	22	07	20	12	167	11	55	19	32	429	02	62	36	35
2	00901	01	716	084	42	10	26	04	068	40	14	-	-	535	27	05	-	-	200	11	51	-	-	460	00	57	-	-
3	00900	07	711	102	36	10	30	15	094	84	12			527	22	01			176	11	58			437	01	65		
4	00900	02	715	090	37	09	07	05	081	33	10	33	08	514	21	03	00	00	158	09	02	26	25	414	02	63	24	30
5	00900	02	714	066	37	08	77	05	064	31	08	26	06	492	21	00	26	08	134	10	58	25	26	399	03	70	26	40
6	00900	02	714	090	36	08	34	10	-	-	-																	
7	00900	02	714	076	39	08	33	16	073	36	07			506	21	60			151	12	69			419	04	79		
8	00900	06	714	056	40	52	36	12	057	38	06	34	22	516	26	58	33	34	182	13	68	30	40	456	06	80	29	30
9	00900	02	713	036	42	05	36	10	061	29	25	35	10	518	28	51	33	18	188	14	65	30	22	456	02	73	28	20
10	00900	02	709	044	43	08	15	02	049	39	12			510	27	03			171	11	59			433	03	65		
11	00900	08	717	039	42	51	31	15	047	39	12	30	19	516	27	10	31	26	182	12	51	29	18	451	03	60	27	02
12	00900	02	711	098	41	08	32	05	030	32	13	34	08	490	27	04	33	06	156	13	58	20	16	426	03	67	27	14
13	00900	02	712	015	44	03	33	14	017					480	27	55	32	25	145	14	65	34	09	420	05	72	28	15
14	00900	08	709	044	44	05	35	08	044	31	06	35	09	504	30	01	35	22	188	15	53	30	21	468	04	60	28	44
15	9x0xx	06	711	048	43	08	35	03	051	32	19			501	28	10			174	14	54			451	06	62		
16	00900	02	714	039	40	11	33	12	037	34	20	24	17	486	24	08	28	19	139	14	51	28	25	413	07	57	28	24
17	00900	02	715	026	41	10	30	13	029					482	25	03	30	18	133	12	52	29	19	406	05	63	27	24
18	00900	02	715	018	42	10	05	05	018					485	28	08			155	13	01			434	06	54		
19	00900	02	720	010	44	07	27	10	020	48	12	30	16	490	28	08	31	12	159	12	51	28	20	435	07	61	28	32
20	00900	06	712	004	40	09	28	10	016	35	12			460	25	02			125	14	60			450	06	69		
21	00900	06	712	016	39	09	30	13	018	37	11	34	12	473	25	05	30	22	134	13	61	28	26	411	06	69	26	32
22	00900	06	611	022	40	11	30	04	024					472	23	08	26	07	124	11	00	27	27	402	08	65	26	28
23	00900	02	808	057	40	10	31	08	035	38	10	28	05	485	23	05	29	12	125	09	52	29	26	390	04	61	26	28
24	00900	02	712	047	42	08	36	13	045	40	11	32	18	498	25	57	31	24	150	16	63	28	16	487	08	69	27	18
25	00900	07	715	027	41	08	34	16	000	30	16			487	27	54			175	20	63			476	10	70		
26	9x0xx	34	712	013	42	08	32	19	014	41	11			498	31	08			195	20	53			498	11	62		
27	9x0xx	32	725	979	42	01	33	16	(+10)					459	28	06			157	20	58			460	11	66		
28	00900	07	616	938	46	07	31	15	(+45)					443	31	09			134	18	52			419	09	61		
29	00900	06	613	935	46	06	27	06	(-47)					428	30	06	33	12	120	18	54	32	06	417	09	63	30	16
30	00900	07	716	954	44	04	29	20	(-35)					434	29	04	28	18	118	16	56	25	20	415	10	64	27	18

	1200	7	1	1	1	1	1	10	7	1	19	9	1	0	10
	1800	9	1	3	0	0	0	4	10	3	24	2	1	0	6
	2100	3	4	0	1	0	1	2	10	9	13	8	0	0	7
	TOTAL	57	11	5	7	6	8	32	82	30	138	66	4	2	9
خاتمن	0000	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	0300	1	4	0	3	0	1	0	1	20	10	0	0	0	1
	0600	0	5	0	2	0	4	1	1	17	13	0	0	0	2
	0900	0	0	0	2	0	17	4	4	3	27	0	0	0	5
	1200	0	0	0	1	0	21	5	0	3	26	1	0	0	5
	1500	0	0	0	2	0	25	3	0	0	30	0	0	0	6
	1800	0	0	0	0	0	2	8	2	18	11	1	0	0	2
	TOTAL	1	9	0	10	0	70	21	8	61	117	2	0	0	4

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200 G.M.T.) AT SAGE-10 (1963)

DATE	950 mbs. HHH	TT	Td	dd	ff	900 mbs. HHH	TT	Td	dd	ff	850 mbs. HHH	TT	Td	dd	ff	800 mbs. HHH	TT	Td	dd	ff	750 mbs. HHH	TT	Td	dd	ff
1	567	56	74	35	09	759	72	80			962	64	96			236	99	09							
2	590	60	71			739	74	87																	
3	587	59	76			756	71	81			962	66	92			233	94	16			413	11			
4	596	56	77	33	15	775	70	87	24	14	968	68	96			234	98	13			426	09			
5	594	56	80	28	12	775	68		25	16	964	64	95			240	97	13			679	12			
6																									
7	587	57	86			7573	66	93			966	61	93			246	95	16			472	08			
8	593	56	85	26	21	762	67	89			970	63	88			247	96				434	07			
9	590	58	82	26	10	759	70	92			967	63	93			242	98	16							
10	588	58	75			757	71	88			964	65	00			241	94	08			430	03	16		
11	590	67	78	26	21	760	69	84	26	37	967	63	98	05	62	245	95	06			434	04	13		
12	587	60	74	26	19	756	71	89	27	20	965	58	96	26	41	246	95	10			433	06	20		
13	586	56	81	25	14	753	69	92	25	31	965	62	05			242	97	16			429	07			
14	587	54	78	25	15	755	67	83	23	46	970	60	91			251	95								
15	591	55	67			762	68	79			964	63	92												
16	589	52	66	27	22	762	60	74	26	36	976	72	84	26	60	256	89	03	26	64	447	02	12	25	40
17	586	57	74	25	37	756	68	85	27	43	968	76	94	28	60	250	96	10	28	60	436	08		28	70
18	590	56	75			761	65	87			973	78	97			253	98				437	10			
19	591	53	71	26	18	762	68	84	28	28	972	80	95			247	04	06			429	10			
20	586	55	77			753	66	83			963	81	96			244	00	11			427	12			
21	588	53	76	25	39	760	64		25	48	972	79	97	27	53	251	98	13			436	11			
22	587	53	72	27	31	751	65	84	26	51	971	79	96			250	93	24			435	10			
23	586	52	74	26	40	758	64	83	23	45	971	79	97	24	40	249	98	13			434	09			
24	591	52	78	25	26	764	65	97			975	78	98												
25	596	54	79			769	64				984	76	00			261	97	16			446	10			
26	588	60	72			773	65	82			985	77	94			255	97	10			450	11			
27	595	51	76			769	62	84			983	76	94			266	94	11			453	06			
28	590	51	70			765	61	81			978	75	92			260	94	08			448	06	18		
29	590	51	71	31	36	764	59	78	29	28	984	75	91			264	92	06			452	07	19		
30	589	53	76	33	22	762	62		28	42	977	75	94			260	92	09			449	06	21		

FORM 19-a

BAGHDAD AIRPORT

Month: June 1960 .

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	1/1						1/1	1/1	1/1		1/1						8
≥200 -500M		1/1	1/1	1/1	1/1					1/1	1/2	2/3	2/2	1/1				1/1	1	1	1	1			18
≥500 -1000M										1/3	2	2	1	1/1			2	1		1					14
≥1000 -1500M								2	4	2	2		1			1		2	1				1	1	18
≥1500 -3000M			1	1	2		1	2	2	1	1	2	1	3	4	4	3	2		1					31
≥3 -5KM		1	2	3	1	1	2	3	2				3	2	3	3	3	2	2						33
≥5 -10KM	1	1	10	6	6	7	7	2	3	5	4	5	5	5	4	4	13	15	4	4	5	2	3	2	123
≥10 -15KM	4	6	10	13	9	9	5	6	3	4	6	7	4	3	6	7	4	6	10	10	8	8	3	3	154
≥15KM	23	21	6	6	11	12	14	14	15	14	13	11	13	15	12	10	4	1	10	13	16	19	23	24	321
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.

Frequeny 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	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

Month: June 1960.

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	1/1	1/1	1/1					4
>200 -500M				1/1	1/1			1/1																	3
>500 -1000M	1/1	1/1	3/3	1/1	1/1	1/1	1/1		1/1	1/1	2/2	1/1	1/1		1/1	1/1	1/1				2/2	1/1	1/1	1/1	23
>1000 -1500M	1/1	1/1		1/1								1/1	1/1	2/2								1/1	2/2	1/1	11
>1500 -3000 M	2/2	2/2	2/2	2/2	3/3	5/5	2/2	2/2	1/1	2/2	2/2	3/3	2/2	4/4	5/5	5/5	5/5	4/4	3/3	3/3	1/1	2/2	1/1	2/2	65
>3 -5KM	1/1	1/1	1/1	2/2	4/4	3/3	5/5	4/4	5/5	5/5	4/4	2/2	3/3	4/4	4/4	6/6	5/5	4/4	2/2		1/1	2/2	2/2	2/2	72
>5 -10KM	1/2	4/4	3/3	2/3	3	1/1	2/2	3/3	4/5	3/5	4/6	5/8	6/7	1/4	3/5	1/3	3/6	3/4	2/6	3/9	4/7	1/1	1/1	1/1	99
>10 -15KM	8	6	8	6	5	2	5	7	6	7	7	4	6	8	6	7	7	6	6	4	6	7	5	7	146
>15 KM	15	15	13	14	13	18	15	13	12	10	9	11	10	8	9	8	5	11	12	13	13	16	18	16	297
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 fi... contai... two nu... rs the ... at one ... ves the ... ses wit... dust ... air. the sec... number shows ... 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	1	1	1	1												1	1								6
>50 -150M																									
>150 -300M																									
>300 - 500 M																									
>500 -900 M																									
900 M																									

TABLE 20-a

BAGHDAD AIRPORT

Month: June 1960.

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																														
(5/8 OR *			1		1		1			1				1	1		3	2	1	6	7	4	13	5	23	6	14	30	30	30
>900			1	1	2		3	1		2	1	1	1	1	4		3	3	5	5	4	4	4	7	14	13	10	30	30	30
AND ≥ 5/8	1		3	1	1	6			5	1		6			8	2		13	4	2	34	10	8	55	11	19	110	30	30	240
			1		1		1			1				1	1		3	2	1	6	7	4	13	5	23	6	14	30	30	30
TOTAL			1	1	2		3	1		2	1	1	1	1	4		3	3	5	5	4	4	4	7	14	13	10	30	30	30
	1		3	1	1	6			5	1		6			8	2		13	4	2	34	10	8	55	11	19	110	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 GMT.
18 21 To

To= Total for all hours

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

TABLE 2-3

KAGAN AIRPORT

Month: June 1960.

Simultaneous occurrences of specified visibility ranges 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				1			1																					1	1	
								1																						1
				1			2																						3
>50-150																													
>150-300																													
>300-500																													
>500-900																													
< 5/8 OR =							1	1	1	1		2	2	2	1	2	5	2	3	2	8	6	5	15	14	15	29	29	30
>5/8						1	1			1		2	2	5	5	3	6	5	7	3	7	6	7	10	10	8	30	30	29
AND ≥ 5/8						1	1	5		1	4	3	2	20	2	2	26	6	1	29	6	7	52	12	16	100	30	30	237
				1		1	1	1	1	1		2	2	2	1	2	5	2	3	2	8	6	5	15	14	15	30	30	30
TOTAL						1	1	1		1		2	2	5	5	3	6	5	7	3	7	6	7	10	10	8	30	30	30
				1	1	1	0	1	4	3	2	20	2	2	26	6	1	29	6	7	52	12	16	100	30	30	240		

NOTE:

The nine fi... for each com... nation of vi... bility and he... ght contain ... number of oc... rrences for ... ferent times ... using the fo... wing model

00	03	06
09	12	15
18	21	To

... of

To= Total for ... all hours

*ALL CASES WI... CLOUD AMOUNT ... LESS THAN 5/8 ... ARE ENTERED H...

JULY 1960 (7)

IRAQ REPUBLIC

MINISTRY OF COMMUNICATIONS

INSPECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

MONTHLY CLIMATOLOGICAL DATA FOR

JULY 1 9 6 0

VOLUME 23, No. (7) JULY 1960 .

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Combined statistics of visibility at Baghdad and Basrah	20ab	18-19	احصائيات مزدوجة لمدى الرويا و لقاعدة الغيوم في بغداد و البصرة

لمحة عامة عن شهر تموز ١٩٦٠

كان هذا الشهر كثير الشبه في زوابعه الترابية لنفس الشهر من العام الماضي حيث تميز بكثرة حالات تصاعد الغبار خلال معظم ايام الشهر اذ بدأت في اليوم الاول واستمرت الى ١٢ منه ومن ١٧ لغاية ٢٠ منه وتكررت الايام في ٢٤ ، ٢٧ ، ٢٨ ، ٣١ منه وبسبب وقوع المناطق الوسطى والجنوبية من العراق تحت تأثير ضغط واطئ امتد الى المناطق الشمالية حيث سبب تصاعد غبار محلي خفيف وكانت الرياح جنوبية شرقية معتدلة السرعة بصورة عامة وفي ما عدا ذلك من الايام فقد كان الجو صحو مع رياح شمالية غربية خفيفة

اما درجات الحرارة فقد كانت فوق معدلاتها خلال الليل والنهار وما يقابلها من السنة الماضية ولم تهطل الامطار الا في خانقين حيث سقط المطر في يوم ٢٤ منه وسجل ٥ر١ ملمترا

JULY 1960 .

This month was quite in frequent duststorms as July 1960. The persistance of the unusual rising dust and dust haze was well - marked during this month, in the periods between 1st to 12th , and 17th to 20th, also on 24th,27th,28th and 31st because of existance of young depression on Central and Southern districts extended to northerly area, caused local haze . Winds were generally SE'ly moderate. Other than the above periods, clear weather was most notified condition, with light NW'ly winds.

The maximum and minimum temperatures were above their means comparing with last year of same month. No rainfall was recorded except at Khanaqin on 24th (5.1 mms.) .

JULY 1960

TABLE - 1

MEAN DAILY TEMPERATURES (C°) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	NAI	DIWA-NIYA	NASI-RIYA	BASRA	HABLA-NIYA
1	35.9	33.6	35.1	31.2	36.0	33.2	35.5	34.5	35.0
2	35.4	34.4	33.1	29.9	36.1	33.5	34.4	33.2	34.7
3	36.0	33.8	35.0	29.5	34.8	33.5	33.6	33.5	35.9
4	34.6	32.5	33.4	29.3	34.5	33.0	32.8	33.0	34.7
5	35.9	34.8	35.3	32.4	34.8	33.5	33.4	31.8	35.0
6	36.2	32.7	33.4	31.1	37.9	34.3	33.8	34.6	35.3
7	34.6	32.0	32.7	27.7	35.6	33.4	30.8	32.9	33.6
8	33.4	32.1	32.9	27.3	33.2	31.4	31.4	32.0	32.8
9	34.9	33.3	35.2	29.3	34.4	33.1	33.2	33.0	34.6
10	34.9	34.2	34.8	30.4	35.0	33.3	33.5	33.3	34.6
11	36.3	34.3	35.9	31.3	35.8	33.5	34.3	34.4	34.8
12	34.9	32.5	33.8	29.1	36.5	33.7	34.7	33.8	34.7
13	33.7	32.9	33.0	28.3	34.3	31.7	33.5	33.9	33.5
14	33.6	32.9	33.7	29.9	34.4	32.6	34.6	33.4	32.5
15	35.2	33.3	34.3	29.6	35.5	33.8	35.2	33.2	33.8
16	37.3	34.1	34.5	28.8	36.6	34.7	34.8	33.5	34.1
17	36.3	34.1	33.6	29.6	35.7	33.8	33.7	33.5	33.3
18	36.3	32.0	35.0	30.8	36.0	33.8	33.8	31.0	34.8
19	35.8	34.3	36.3	31.5	35.8	33.9	34.5	34.5	35.8
20	35.8	31.4	33.5	29.9	36.1	34.4	35.6	36.4	35.5
21	35.5	32.3	34.2	30.1	35.5	35.4	35.5	35.9	32.9
22	36.7	33.5	34.6	31.2	36.6	35.5	35.9	36.2	33.9
23	37.4	32.9	35.8	32.2	37.5	35.3	36.6	36.6	36.5
24	37.3	35.3	36.6	32.4	36.2	35.0	35.8	36.4	35.8
25	36.2	34.7	37.2	33.6	36.3	34.9	36.0	31.9	35.9
26	38.0	36.0	38.1	31.9	37.4	35.5	36.3	35.2	36.9
27	38.3	35.9	36.2	29.9	37.9	35.7	35.4	36.0	36.0
28	35.2	36.2	37.0	29.8	36.5	35.6	34.5	33.6	34.1
29	37.3	38.2	40.8	31.4	37.0	35.3	35.8	34.8	38.6
30	39.4	38.7	40.1	33.2	38.2	36.2	38.8	38.1	40.1
31	39.1	36.6	36.9	31.9	37.5	37.4	37.9	36.7	36.8
MEANS	36.1	34.0	35.2	30.5	36.0	34.0	34.6	34.5	34.7

[illegible] 1960

[illegible] - 2

المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. [illegible]

التاريخ	بغداد	موصل	كركوك	رطبة	حسي	ديوانية	ناصرية	بصرة	حبانية
[illegible]	BAGH-DAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWA-NIYA	[illegible]	[illegible]	HABBA-NIYA
[illegible]	95.4	95.3	94.9	98.4	94.5	95.6	95.4	[illegible]	96.3
[illegible]	94.9	94.7	94.5	98.9	93.9	95.2	[illegible]	[illegible]	[illegible]
[illegible]	95.7	96.7	94.8	99.3	94.8	96.1	[illegible]	[illegible]	96.6
[illegible]	96.9	96.0	95.5	00.1	95.6	97.2	96.5	[illegible]	97.7
[illegible]	97.9	99.0	97.8	01.6	98.2	97.9	97.1	[illegible]	98.2
[illegible]	00.5	01.1	00.4	03.1	97.8	99.9	97.7	98.0	01.3
[illegible]	99.4	00.1	99.1	03.7	98.3	99.4	97.8	[illegible]	00.6
[illegible]	97.3	99.0	97.1	03.2	95.9	97.6	97.2	[illegible]	96.8
[illegible]	96.4	00.1	97.5	02.1	94.7	96.7	96.2	[illegible]	98.6
[illegible]	98.4	00.8	98.5	02.2	96.9	98.6	97.6	96.5	[illegible]
[illegible]	98.0	99.6	97.3	01.8	97.0	98.5	97.8	[illegible]	[illegible]
[illegible]	97.7	98.0	97.1	00.9	96.6	97.9	97.5	[illegible]	[illegible]
[illegible]	98.0	97.3	97.3	00.7	97.3	98.1	97.7	97.1	[illegible]
[illegible]	98.6	98.7	97.8	00.3	98.5	99.1	98.7	98.1	99.1
[illegible]	02.0	00.6	99.3	01.7	98.3	99.5	98.8	98.1	00.2
[illegible]	02.3	03.5	02.0	05.4	00.3	02.4	01.2	00.0	03.4
[illegible]	03.4	04.1	02.9	06.5	01.3	03.4	02.1	00.8	04.6
[illegible]	98.8	99.5	97.9	03.6	97.4	99.1	98.5	97.2	00.0
[illegible]	96.5	95.4	95.2	00.5	96.0	97.2	97.1	96.7	97.5
[illegible]	99.8	97.4	97.8	00.8	98.1	98.7	98.5	98.3	99.2
[illegible]	98.8	98.8	98.2	00.2	98.0	98.7	98.0	98.8	99.1
[illegible]	97.9	00.0	99.0	00.0	97.6	97.5	97.6	98.0	98.7
[illegible]	96.2	00.6	98.3	00.2	96.7	96.6	96.9	97.5	99.3
[illegible]	98.6	00.1	99.0	00.9	97.9	98.6	98.0	98.6	99.4
[illegible]	98.6	00.1	98.9	00.3	97.6	98.8	98.0	96.4	99.3
[illegible]	97.6	99.7	98.2	01.0	96.3	97.5	96.8	96.0	98.7
[illegible]	98.9	00.3	99.0	03.2	96.7	98.9	97.8	96.5	00.3
[illegible]	00.3	00.4	98.8	04.1	98.7	00.5	99.3	98.0	01.5
[illegible]	97.9	00.2	98.1	03.0	97.1	98.6	98.0	96.8	[illegible]
[illegible]	96.3	99.8	97.6	01.6	96.1	96.9	96.7	96.2	97.4
[illegible]	95.9	98.3	96.0	00.1	94.7	96.1	95.4	94.5	97.5
[illegible]	998.2	999.2	997.9	1001.6	997.0	998.3	997.6	996.8	999.3

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TABLE - 3

(7) المعدل اليومي للرطوبة النسبية

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	رطبة RUTBAH	حي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BASRAH	حبانية HABBA-NIYA
1	25	28	20	34	22	32	35	46	26
2	25	34	24	38	23	34	32	41	27
3	25	34	17	33	24	29	37	53	33
4	25	35	19	33	24	27	43	52	33
5	23	29	16	31	24	29	34	50	23
6	18	33	18	24	19	26	33	43	21
7	22	32	16	32	23	26	40	43	21
8	25	40	23	42	28	32	35	42	25
9	23	33	17	29	25	26	28	44	20
10	22	37	16	23	24	29	29	37	20
11	20	36	11	24	21	29	27	46	21
12	21	33	15	27	19	28	26	49	30
13	26	35	22	43	24	33	25	42	29
14	32	38	22	39	25	32	30	52	35
15	29	38	20	38	23	34	30	58	33
16	19	33	16	42	20	26	34	55	25
17	20	26	15	31	22	24	30	55	29
18	22	38	12	25	20	27	30	45	25
19	25	31	13	24	22	29	29	42	20
20	26	43	19	36	24	29	29	42	25
21	26	38	18	28	25	25	30	53	27
22	23	39	19	27	21	28	38	51	26
23	22	40	17	25	24	31	39	66	24
24	30	41	20	27	40	33	28	73	28
25	31	40	18	28	36	32	37	69	28
26	22	39	16	32	25	29	32	57	25
27	16	32	16	39	22	28	35	47	27
28	21	33	17	38	24	28	29	43	25
29	19	27	16	29	26	27	26	48	23
30	22	24	12	27	26	30	22	48	20
31	16	27	11	28	24	28	26	48	25
MEANS	23	34	17	31	24	29	35	50	26

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TABLE -4- a درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°).

التاريخ	بغداد BAGHDAD		موصل MOSUL		كركوك KIRKUK		خانقين KHANAQIN		رطبة RUTBAH	
	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	44.9	26.6	43.5	19.8	42.8	27.0	43.3	29.0	38.4	22.6
2	43.5	25.6	43.2	24.5	41.3	26.4	42.2	27.5	37.3	21.5
3	43.0	29.6	43.5	20.7	41.9	28.4	42.2	27.5	36.8	21.5
4	42.4	26.7	42.6	20.2	40.0	26.1	40.2	26.1	36.4	21.5
5	44.4	26.2	43.3	19.9	42.4	27.5	43.5	26.5	40.6	22.3
6	42.5	30.2	41.5	26.5	41.4	27.2	44.4	26.1	38.3	23.3
7	42.8	27.2	41.2	20.4	40.5	23.7	42.0	24.5	34.8	21.6
8	40.4	27.2	40.8	23.7	38.5	26.6	39.8	27.2	34.6	18.6
9	42.5	23.4	41.0	28.3	39.6	28.9	41.5	30.6	37.5	19.8
10	44.2	23.4	42.6	19.5	40.3	29.0	43.3	23.3	40.0	19.0
11	45.8	24.4	44.1	18.6	44.0	27.0	44.4	22.2	40.6	20.4
12	44.2	25.8	40.2	24.2	42.0	26.2	42.8	23.3	37.0	21.1
13	42.0	23.2	41.1	25.5	39.5	26.0	39.5	24.5	34.7	20.0
14	42.0	23.2	42.1	21.6	40.7	26.0	40.0	26.1	38.0	19.4
15	43.4	23.1	42.3	19.7	41.6	26.9	41.6	23.4	37.0	21.4
16	44.1	29.6	42.2	20.6	41.9	26.2	42.5	22.7	38.0	20.6
17	44.1	28.5	43.1	25.7	42.4	24.4	43.3	22.8	39.1	18.8
18	45.6	25.3	45.0	18.4	44.0	24.9	44.4	21.1	39.6	19.0
19	45.7	25.2	45.3	21.7	44.9	26.3	44.4	22.7	40.2	21.5
20	43.3	29.4	42.0	20.8	41.0	26.0	42.2	31.1	37.4	21.7
21	43.4	27.1	42.3	21.2	41.2	26.1	41.1	25.5	38.1	19.8
22	45.2	26.2	42.9	22.1	42.1	26.5	42.2	25.0	39.0	23.4
23	45.0	28.8	43.4	21.7	42.5	28.9	43.3	25.0	39.7	23.4
24	47.1	27.5	45.0	22.7	43.2	30.0	43.3	26.1	41.0	22.3
25	47.3	28.0	45.2	24.2	42.9	31.0	43.3	23.9	42.2	23.5
26	46.5	27.8	45.1	22.2	43.4	31.6	45.0	26.1	40.8	23.2
27	45.3	32.1	44.5	29.1	44.5	27.9	46.0	25.0	38.9	21.4
28	42.2	27.6	45.6	25.4	45.5	25.6	45.6	25.0	38.5	20.1
29	48.8	26.0	47.6	29.1	46.4	33.1	47.2	28.3	40.5	22.4
30	49.9	28.1	46.7	28.4	45.9	35.4	47.5	33.3	42.7	24.0
31	47.0	30.7	46.7	28.6	45.0	32.1	47.2	31.7	40.5	23.4
MEANS	44.5	26.9	43.4	23.1	42.4	27.7	43.1	25.9	38.7	21.4

RECORDS OF TEMPERATURES : : المقاييس الماضية

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	50.0	31	1957	16.6	8	1946
MOSUL	51.1	21	1937	13.8	12	1958
KIRKUK	47.8	23	1940	20.0	13	1950
KHANAQIN	50.0	19	1940	15.5	12	1958
RUTBAH	46.1	21&22	1940	14.4	6	1933

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TABLE-4-b

درجات الحرارة العظمى والصغرى اليومية (مئوية)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°).

التاريخ	حي		دیوانیة		ناصرية		بصرة		حبانية	
	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	42.6	26.4	42.5	23.8	42.8	24.6	42.2	25.9	43.9	25.5
2	41.6	25.4	41.2	24.0	43.7	25.0	42.9	26.5	42.5	25.9
3	40.0	28.2	40.0	25.5	41.0	27.0	41.0	28.0	42.4	28.0
4	39.5	28.0	40.0	25.0	40.0	27.4	40.1	27.7	42.5	25.0
5	41.6	27.2	42.0	23.8	40.6	26.2	38.8	26.5	42.2	25.2
6	44.3	30.6	42.2	25.5	45.7	27.4	42.7	26.5	42.8	28.4
7	41.5	26.2	40.6	25.2	36.3	25.1	37.6	29.4	40.8	27.4
8	37.8	28.9	38.2	24.0	37.0	23.6	36.1	27.7	39.5	26.2
9	41.2	25.4	41.0	24.5	40.2	27.4	40.0	27.4	42.2	24.5
10	42.0	24.9	42.0	23.0	42.8	26.0	41.0	27.5	43.3	23.4
11	42.6	23.9	43.0	22.3	43.3	25.6	41.5	26.9	44.2	24.9
12	42.5	27.6	42.4	23.6	44.6	26.8	42.1	25.7	41.1	25.0
13	40.2	26.4	40.4	22.2	42.5	23.4	40.1	29.3	41.4	23.0
14	40.1	26.8	40.0	24.2	42.3	24.3	40.5	25.9	41.7	22.5
15	41.2	25.6	42.0	22.0	44.0	25.0	40.5	25.7	42.9	24.2
16	42.3	27.6	42.0	26.5	43.3	26.9	41.6	26.5	42.7	23.6
17	41.5	28.6	40.6	24.0	40.5	26.5	40.6	29.0	42.2	23.4
18	42.4	26.8	43.0	23.6	42.0	25.6	41.0	28.2	43.9	23.9
19	43.0	26.8	43.8	24.7	44.3	26.5	41.1	28.4	45.0	27.8
20	42.6	29.8	43.0	24.3	45.5	26.4	44.1	28.3	43.2	27.2
21	42.5	27.6	42.8	26.5	44.8	26.7	43.7	29.0	42.7	22.8
22	43.5	25.4	45.0	22.4	45.2	26.5	44.3	29.0	45.6	23.9
23	44.0	26.4	43.0	26.0	46.8	28.9	44.5	31.0	44.7	26.9
24	42.1	28.4	42.8	27.5	45.0	26.8	43.0	30.8	45.0	25.6
25	43.0	28.5	44.4	24.6	45.0	28.3	43.6	30.4	45.6	25.4
26	44.0	28.4	44.5	24.5	45.6	27.7	42.7	30.0	46.8	27.2
27	44.4	28.0	43.5	27.0	44.1	26.6	43.3	28.1	44.5	29.0
28	42.0	29.6	40.8	27.0	41.3	28.0	39.7	30.0	44.5	25.5
29	44.0	28.0	44.0	26.5	44.1	27.7	40.6	30.2	46.6	25.5
30	46.9	27.2	46.4	27.6	48.0	30.4	42.3	30.1	50.4	30.1
31	44.6	28.0	43.5	27.0	47.0	30.4	46.5	29.2	43.7	30.8
MEANS	42.3	27.3	42.3	24.8	43.2	26.6	41.6	28.2	43.6	25.7

RECORDS OF TEMPERATURES : المقاييس الماضية :

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
HAI	50.0	22	1943	21.6	25	1950
DIWANIYA	49.5	4	1948	16.5	12	1958
NASIRIYA	48.9	29&30	1951	20.0	15	1952
BASRAH	50.5	26	1951	22.2	15	1952
HABBANIYA	50.6	3	1948	21.1	2	1948

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TABLE -5

المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°).

T I M E = G . M . T .

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	29.7	28.1	34.7	41.2	43.8	42.2	36.0	32.6	36.0
MOSUL	25.7	24.5	34.0	41.2	42.7	40.9	33.5	29.1	34.0
KIRKUK	29.7	29.0	35.8	39.4	41.4	39.9	34.5	31.9	35.2
KHANAQIN	-	27.6	36.6	41.3	42.4	41.3	36.1	-	37.6
RUTBAH	23.9	22.0	29.2	35.0	37.9	37.0	31.5	27.1	30.8
HAI	-	28.2	34.0	40.0	41.4	38.7	33.8	-	36.0
DIWANIYA	27.4	26.6	34.2	40.1	42.2	39.4	33.2	29.9	34.1
NASIRIYA	28.8	27.5	34.1	40.7	42.1	38.8	33.9	31.1	34.4
BASRAH	30.2	28.8	33.8	38.3	40.6	38.1	34.1	32.0	34.5
HABBANIYA	27.9	26.7	34.0	40.9	42.9	40.9	33.6	30.9	34.7

TABLE -6

المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°).

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	18.6	18.0	21.0	22.9	22.8	22.9	21.4	19.8	20.9
MOSUL	18.0	18.0	21.6	23.6	23.7	23.3	20.8	19.4	21.1
KIRKUK	16.9	16.8	19.8	21.0	21.8	20.1	18.6	17.8	19.1
KHANAQIN	-	16.1	20.3	21.5	22.0	21.3	19.7	-	20.2
RUTBAH	16.1	15.8	19.0	21.2	22.3	21.4	19.2	17.0	19.0
HAI	-	16.8	20.8	22.2	22.1	21.1	19.3	-	20.4
DIWANIYA	18.3	17.8	21.7	23.5	23.4	22.9	21.8	19.4	21.1
NASIRIYA	19.5	18.6	21.9	23.8	24.2	24.0	22.7	21.4	22.0
BASRAH	24.1	23.6	25.5	27.3	27.2	26.9	26.6	25.4	25.8
HABBANIYA	17.9	17.9	21.1	23.0	23.0	22.6	20.5	19.2	20.7

TABLE - 7

المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	97.9	98.5	99.2	98.9	97.6	96.9	97.9	98.2	998.1
MOSUL	99.7	00.4	00.2	99.1	98.1	97.5	98.7	99.4	999.1
KIRKUK	98.6	99.0	98.7	97.7	96.5	96.1	98.1	98.6	997.9
KHANAQIN	-	99.4	98.1	96.6	95.8	95.8	97.3	-	997.2
RUTBAH	01.6	02.4	02.4	01.8	01.1	00.8	01.4	01.6	1001.6
HAI	-	97.3	97.8	97.6	96.2	95.8	96.9	-	996.9
DIWANIYA	97.9	98.5	99.4	99.5	97.7	97.3	98.5	98.7	998.4
NASIRIYA	97.6	98.2	98.4	98.0	96.9	96.5	97.7	97.8	997.6
BASRAH	96.6	97.0	97.8	97.6	96.7	96.0	96.7	96.9	996.9
HABBANIYA	99.1	99.6	00.2	99.7	98.6	98.0	98.9	99.1	999.2

TABLE- 8

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (٪)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	31	34	26	17	12	15	24	27	23
MOSUL	48	54	33	22	20	22	32	41	34
KIRKUK	22	25	18	13	12	11	17	20	17
KHANAQIN	-	26	18	13	12	12	18	-	13
RUTBAH	41	48	34	26	23	21	26	31	31
HAI	-	31	30	21	18	20	25	-	24
DIWANIYA	46	46	30	21	17	27	35	35	32
NASIRIYA	39	39	31	21	20	26	36	40	32
BASRAH	59	64	49	41	34	40	55	58	50
HABBANIYA	34	39	28	19	14	17	26	30	26

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TABLE- 9

المعدل الشهري لضغط البخار (بالملبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.8	12.7	14.3	13.4	11.0	12.7	13.9	13.2	13.0
MOSUL	15.6	16.5	17.6	17.5	16.8	17.1	16.3	16.2	16.7
KIRKUK	9.1	9.8	10.2	9.4	9.0	7.7	9.0	9.3	9.2
KHANAQIN	-	9.2	10.9	9.8	10.1	9.6	10.2	-	10.0
RUTBAH	12.2	13.0	14.0	14.4	14.7	13.2	11.7	11.2	13.0
HAI	-	11.7	16.0	15.2	14.0	13.5	12.9	-	13.9
DIWANIYA	13.6	13.7	16.0	15.8	13.8	14.9	15.3	14.4	14.7
NASIRIYA	15.4	14.3	16.4	15.9	16.0	17.9	18.8	17.9	16.6
BASRAH	25.5	25.2	26.1	27.8	25.5	26.7	29.1	27.4	26.7
HABBANIYA	12.7	13.6	14.8	13.9	12.2	13.0	13.6	13.0	13.4

TABLE - 10

المعدل الشهري لدرجة النـــــدى (سنغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.4	10.3	11.8	10.9	8.0	10.2	11.4	10.7	10.5
MOSUL	13.4	14.2	15.3	15.2	14.6	14.9	14.1	14.0	14.5
KIRKUK	5.2	5.8	6.7	6.0	4.8	2.8	4.8	5.5	5.2
RUTBAH	9.7	10.2	11.5	11.8	12.4	10.8	9.0	8.3	10.5
HAI	-	8.8	13.7	12.7	11.7	11.2	10.6	-	11.5
DIWANIYA	11.3	11.5	13.8	13.5	11.5	12.3	13.2	12.1	12.4
NASIRIYA	12.9	11.9	14.3	13.7	13.7	15.6	16.2	15.3	14.2
BASRAH	21.0	20.8	21.5	22.5	21.0	21.9	23.2	22.1	21.8
HABBANIYA	10.2	11.0	12.5	11.7	9.5	10.6	11.3	10.6	10.9

TABLE - 11

المعدل الشهري لكمية الغيوم الواطئـــة (بالاثمان)

MONTHLY MEAN LOW CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.3	1.0	1.0	0.8	0.0	0.0	0.4
MOSUL	0.0	0.5	0.6	0.7	1.0	1.2	0.2	0.0	0.5
KIRKUK	0.4	0.8	1.0	1.2	1.4	1.6	0.6	0.2	0.9
KHANAQIN	-	0.2	0.0	0.0	0.1	0.1	0.1	-	0.1
RUTBAH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HAI	-	0.3	0.1	0.1	0.1	0.1	0.0	-	0.1
DIWANIYA	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.2
NASIRIYA	0.0	0.0	0.3	0.8	0.5	0.8	0.0	0.0	0.3
BASRAH	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.1
HABBANIYA	0.0	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.2

TABLE - 12

المعدل الشهري لكمية الغيوم (بالاثمـــــان)

MONTHLY MEAN TOTAL CLOUD(OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.2	0.2	0.4	1.0	1.1	0.9	0.1	0.2	0.5
MOSUL	0.0	0.5	0.6	0.7	1.0	1.3	0.2	0.0	0.5
KIRKUK	0.4	0.8	1.0	1.3	1.5	1.8	0.7	0.2	1.0
KHANAQIN	-	0.4	1.0	0.4	1.0	1.0	1.0	-	0.8
RUTBAH	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1
HAI	-	0.7	0.3	0.3	0.3	0.3	0.2	-	0.4
DIWANIYA	0.0	0.3	0.6	0.3	0.3	0.5	0.4	0.0	0.3
NASIRIYA	0.0	0.3	0.5	0.9	0.6	0.8	0.1	0.0	0.4
BASRAH	0.0	0.6	0.8	0.2	0.6	0.6	0.2	0.1	0.4
HABBANIYA	0.1	0.2	0.3	0.5	0.5	0.4	0.2	0.2	0.3

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BLE 13-a

جدول ١٣-أ

عدد تكرار رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطة ATION	الوقت GMT.	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد					معدل السرعة MEAN V.K.
	TIME	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	
بغداد GHDAD	0000	3	0	0	0	0	0	5	16	7	24	0	0	0	4
	0300	4	3	0	0	0	0	0	20	4	25	2	0	0	6
	0600	2	1	0	0	1	0	4	22	1	23	7	0	0	8
	0900	4	0	1	0	1	0	6	19	0	18	13	0	0	9
	1200	6	0	0	1	0	1	7	16	0	19	12	0	0	10
	1500	5	0	0	1	1	0	10	11	3	21	7	0	0	8
	1800	3	1	0	0	0	0	3	19	5	21	1	0	0	5
	2100	1	0	0	0	0	0	6	16	8	21	2	0	0	4
	TOTAL	28	5	1	2	3	1	41	139	28	172	44	0	0	7
موصل SUL	0000	1	0	4	1	0	2	8	8	7	16	6	2	0	8
	0300	3	2	0	1	2	0	17	6	0	26	5	0	0	7
	0600	6	1	2	4	1	0	10	5	2	23	5	1	0	8
	0900	2	0	5	6	3	3	7	4	1	19	11	0	0	8
	1200	2	1	6	5	3	2	8	6	0	18	13	0	0	10
	1500	2	3	2	2	1	3	9	5	4	21	5	0	0	7
	1800	0	2	2	0	1	4	15	4	3	20	8	0	0	8
	2100	7	4	0	0	0	1	13	3	3	19	7	2	0	8
	TOTAL	23	13	20	18	11	15	87	41	20	162	61	5	0	8
كركوك KIRKUK	0000	2	9	0	0	0	0	4	1	15	14	1	1	0	4
	0300	3	11	0	2	0	0	1	0	14	15	1	1	0	4
	0600	6	9	2	1	2	5	2	2	2	26	3	0	0	6
	0900	5	3	1	2	4	5	9	2	0	29	2	0	0	6
	1200	4	2	1	1	1	7	10	3	2	24	5	0	0	7
	1500	3	2	0	0	1	7	12	3	3	20	7	1	0	7
	1800	2	3	0	1	2	1	10	5	7	22	2	0	0	4
	2100	3	7	0	1	0	0	3	0	17	11	2	1	0	4
	TOTAL	28	46	4	8	10	25	51	16	60	161	23	4	0	5
رطبة TBAH	0000	3	0	0	0	0	2	4	16	6	16	9	0	0	7
	0300	3	0	0	0	1	1	7	12	7	16	8	0	0	7
	0600	12	0	0	0	0	1	0	17	2	17	12	0	0	10
	0900	12	2	0	0	1	0	3	9	1	13	14	0	0	9
	1200	14	0	0	1	0	3	5	7	1	17	11	2	0	11
	1500	8	2	0	0	0	0	3	18	0	16	13	2	0	11
	1800	13	1	1	0	0	0	2	12	2	27	2	0	0	6
	2100	3	0	0	0	0	0	1	16	11	14	6	0	0	6
	TOTAL	68	5	1	1	2	6	25	107	33	136	85	4	0	8
خانقين KHANAQIN	0300	0	0	4	2	3	0	0	1	21	10	0	0	0	1
	0600	0	0	8	0	1	0	5	0	17	14	0	0	0	3
	0900	0	0	3	0	5	0	12	6	5	26	0	0	0	5
	1200	2	0	0	0	1	0	20	4	4	27	0	0	0	5
	1500	4	2	0	0	1	0	16	5	3	28	0	0	0	5
	1800	0	0	1	0	0	0	9	2	19	12	0	0	0	2
	TOTAL	6	2	16	2	11	0	62	18	69	117	0	0	0	3

JULY 1960 — تموز ١٩٦٠

TABLE -13-b — جدول ١٣-ب

عدد تكرار رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد				معدل السرعة
		N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	MEAN V.K.
حي HAI	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	2	0	2	0	0	0	11	13	3	27	1	0	0	5
	0600	1	0	2	1	0	0	10	13	4	21	5	1	0	7
	0900	2	0	1	3	0	0	6	15	4	13	12	2	0	10
	1200	2	0	0	2	0	0	6	18	3	15	10	3	0	11
	1500	1	0	1	1	0	0	14	12	2	21	8	0	0	8
	1800	1	0	1	1	0	0	13	13	2	28	1	0	0	5
	TOTAL	9	0	7	8	0	0	60	84	18	125	37	6	0	8
ديوانية DIWANIYA	0000	5	0	1	1	0	0	15	7	2	25	4	0	0	7
	0300	7	1	0	0	0	0	16	7	0	26	5	0	0	7
	0600	12	0	0	0	1	1	9	8	0	17	13	1	0	10
	0900	10	0	0	0	1	0	12	6	2	13	16	0	0	11
	1200	12	0	1	0	0	0	9	7	2	12	17	0	0	11
	1500	10	0	0	0	0	0	7	13	1	25	5	0	0	7
	1800	8	0	0	1	0	0	15	5	2	26	3	0	0	7
	2100	4	1	2	0	1	1	18	3	1	27	3	0	0	6
	TOTAL	68	2	4	2	3	2	101	56	10	171	66	1	0	8
ناصرية NASIRIYA	0000	1	0	0	0	2	1	16	8	3	13	15	0	0	9
	0300	0	0	0	2	1	0	19	7	2	21	8	0	0	8
	0600	0	0	1	0	1	0	12	17	0	18	13	0	0	10
	0900	1	0	3	0	1	0	11	15	0	12	19	0	0	12
	1200	1	0	3	0	0	0	10	17	0	10	21	0	0	12
	1500	1	0	0	3	0	0	11	16	0	23	8	0	0	9
	1800	4	0	3	0	0	0	8	16	0	28	3	0	0	8
	2100	4	0	0	1	1	1	12	11	1	19	11	0	0	9
	TOTAL	12	0	10	6	6	2	99	107	6	144	98	0	0	10
بصرة BASRAH	0000	2	0	0	0	1	0	3	13	12	19	0	0	0	3
	0300	1	0	0	0	2	0	6	7	15	16	0	0	0	2
	0600	1	0	0	0	1	0	0	20	9	19	3	0	0	5
	0900	0	0	0	1	1	0	1	20	8	17	6	0	0	6
	1200	1	0	0	1	0	0	3	21	5	21	5	0	0	6
	1500	1	0	0	2	0	0	1	17	10	18	3	0	0	4
	1800	0	0	0	0	2	0	6	10	13	18	0	0	0	3
	2100	1	0	0	0	1	0	0	17	12	16	3	0	0	4
	TOTAL	7	0	0	4	8	0	20	125	84	144	20	0	0	4
حبانية HABBANIYA	0000	1	0	0	0	0	0	8	14	8	22	1	0	0	5
	0300	1	0	0	0	0	0	6	16	8	20	3	0	0	6
	0600	0	0	0	1	0	0	12	14	4	12	15	0	0	10
	0900	2	0	1	0	0	1	10	17	0	12	18	1	0	12
	1200	4	0	0	0	2	1	15	8	1	21	9	0	0	9
	1500	2	1	0	0	0	0	13	13	2	25	4	0	0	8
	1800	1	0	1	0	0	0	15	6	8	20	3	0	0	4
	2100	1	0	0	0	0	0	9	9	12	17	2	0	0	3
	TOTAL	12	1	2	1	2	2	88	97	43	149	55	1	0	7

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TABLE - 14-a

DAILY PRECIPATATION (MILLIMETERS) tr. < 0.05mm.

DATE التاريخ	BAGHDAD بغداد	MOSUL موصل	KIRKUK كركوك	KHANAQIN خانقين	RUTBA رطبة	HAI حي	DIWANIYA ديوانية	NASIRIYA ناصرية	BASRA بصرة	HABBANIYA حبانية
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24				5.1						
25										
26										
27										
28										
29										
30										
31										
TOTAL	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0

RECORDS OF RAINFALL : السجلات الماضية :

STATION	HIGHEST RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	tr.	9	1950
MOSUL	2.3	8	1948
KIRKUK	0.3	11	1947
KHANAQIN	9.1	10	1938
RUTBAH	tr.	9	1950
HAI	0.0	-	-
DIWANIYA	3.7	30	1945
NASIRIYA	tr.	30	1954
BASRAH	3.2	30	1945
HABBANIYA	tr.	3	1954

TABLE 15

CLIMATOLOGICAL SUMMARY : الملخصات المناخية

No. of Cases of Phenomenas : عدد الأيام التي حدثت فيها الظواهر الجوية

STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY	GROUND FROST
BAGHDAD	0	0	0	0	0	4	31	0	0
MOSUL	0	0	0	0	0	7	30	0	0
KIRKUK	0	0	0	0	0	4	23	0	0
KHANAQIN	1	0	0	1	0	0	26	0	0
RUTBAH	0	0	0	0	0	0	31	0	0
HAI	0	0	0	0	0	0	28	0	0
DIWANIYA	0	0	0	0	0	2	29	0	0
NASIRIYA	0	0	0	0	0	5	30	0	0
BASRAH	0	0	0	0	0	3	29	0	0
HABBANIYA	0	0	0	0	0	5	29	0	0

TABLE 16

DURATION OF SUNSHINE : مدة سطوع الشمس

STATION المحطة	MONTHLY TOTAL SUNSHINE HOURS مجموع الشهري لسطوع الشمس	MAX. SUNSHINE IN ONE DAY HOURS اكبر يوم لسطوع الشمس	MAX. SUNSHINE IN ONE DAY DATE	No. OF DAYS WITHOUT SUNSHINE عدد الايام التي لم تظهر الشمس
BAGHDAD	297.8	12.7	14	1
MOSUL	345.4	13.4	18	0
BASRAH	328.3	12.8	15	0
HABBANIYA	299.6	13.1	13	1

TABLE 17

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

STATION المحطة	GRASS MINIMUM TEMPERATURE حرارة الحشيش	EARTH TEMPERATURES حرارة التربة 0.3 M	EARTH TEMPERATURES 1.2 M
BAGHDAD	23.9	34.5	28.9
MOSUL	.....	35.6	31.2
KIRKUK	20.0	30.9	28.1
HAI	21.3	....	....
NASIRIYA	24.0	....	....
BASRAH	21.6	....	....
HABBANIYA	23.7	33.4	29.3

TABLE 16-a

Month : July 1960

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (0000 G.M.T.) AT BAGHDAD AIRPORT.

DATE	SURFACE $N_hC_LhC_MC_H$	ww	app	PPP	TT	Td	dd	ff	1000 mbs., HHH	TT	Td	dd	ff	850 mbs., HHH	TT	Td	dd	ff	700 mbs., HHH	TT	Td	dd	ff	600 mbs., HHH	TT	Td	dd	ff
1	00900	02	205	956	30	10	31	03	537	-	-	-	-	419	29	04	-	-	094	14	56	-	-	372	06	61	-	-
2	00900	02	701	942	27	13	27	08	544	-	-	-	-	411	27	14	-	-	085	13	03	-	-	367	07	55	-	-
3	00900	02	704	951	31	12	30	04	544	-	-	-	-	412	25	08	-	-	069	10	51	-	-	335	04	69	-	-
4	00900	02	400	961	30	10	30	01	533	-	-	-	-	417	26	06	-	-	084	14	54	-	-	267	07	64	-	-
5	00900	06	704	973	29	11	25	03	521	-	-	-	-	429	25	04	-	-	098	15	57	-	-	387	10	61	-	-
6	00900	06	202	989	33	10	31	09	510	-	-	-	-	462	28	18	-	-	137	12	05	-	-	415	06	51	-	-
7	00900	02	705	997	29	09	31	08	502	-	-	-	-	458	29	01	-	-	151	20	55	-	-	456	11	63	-	-
8	00900	06	706	988	31	12	32	10	503	-	-	-	-	400	22	06	-	-	056	14	51	-	-	342	07	61	-	-
9	00900	02	706	957	27	10	31	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	00900	02	501	974	26	06	29	02	527	-	-	-	-	405	27	08	-	-	080	17	52	-	-	370	09	61	-	-
11	00900	02	703	987	27	08	30	05	510	-	-	-	-	453	28	08	-	-	122	13	56	-	-	394	04	65	-	-
12	00900	02	704	968	32	05	34	04	532	-	-	-	-	424	29	07	-	-	097	13	56	-	-	224	05	67	-	-
13	00900	02	804	972	25	12	00	00	521	-	-	-	-	427	26	04	-	-	088	12	58	-	-	357	04	66	-	-
14	00900	02	702	981	26	11	00	00	510	-	-	-	-	431	24	06	-	-	080	09	58	-	-	348	04	64	-	-
15	00900	02	703	979	27	15	00	00	512	-	-	-	-	445	26	10	-	-	106	11	51	-	-	367	03	59	-	-
16	00900	02	302	007	33	08	34	08	517	-	-	-	-	441	26	05	-	-	105	12	55	-	-	383	07	65	-	-
17	00900	02	701	038	31	11	32	10	037	28	10	-	-	482	25	11	-	-	149	15	53	-	-	476	08	61	-	-
18	00900	02	813	012	28	10	31	06	023	-	-	-	-	476	28	03	-	-	162	18	59	-	-	459	10	66	-	-
19	00900	02	708	958	28	10	29	06	537	-	-	-	-	416	28	52	-	-	094	17	65	-	-	386	09	73	-	-
20	00900	06	304	976	32	13	31	05	522	-	-	-	-	417	25	04	-	-	085	14	56	-	-	369	08	68	-	-
21	00900	02	400	988	29	11	36	05	510	-	-	-	-	447	26	07	-	-	108	12	53	-	-	380	06	66	-	-
22	00900	02	603	977	30	12	00	00	511	-	-	-	-	444	27	05	-	-	110	12	53	-	-	373	01	61	-	-
23	00900	02	701	976	31	11	00	00	520	-	-	-	-	430	22	01	-	-	095	12	51	-	-	355	00	56	-	-
24	00900	02	703	977	30	08	32	02	516	-	-	-	-	454	29	09	-	-	134	14	01	-	-	408	03	58	-	-
25	00900	02	506	987	29	13	00	00	511	-	-	-	-	447	29	05	-	-	124	13	01	-	-	392	01	54	-	-
26	00900	02	701	976	30	14	00	00	519	-	-	-	-	434	30	03	-	-	112	14	55	-	-	383	03	62	-	-
27	00900	02	702	977	34	08	33	10	520	-	-	-	-	456	31	11	-	-	151	17	03	-	-	438	06	61	-	-
28	00900	02	201	006	30	11	30	10	007	-	-	-	-	455	27	55	-	-	128	19	51	-	-	400	03	55	-	-
29	00900	02	400	998	27	03	28	05	501	-	-	-	-	455	29	08	-	-	142	17	01	-	-	428	05	56	-	-
30	00900	02	607	962	33	19	30	03	535	-	-	-	-	451	33	15	-	-	157	18	05	-	-	446	05	53	-	-
31	00900	02	707	952	35	07	32	04	533	-	-	-	-	424	33	05	-	-	129	19	51	-	-	423	07	57	-	-

NOTE : THE SIGN (-) MEANS [illegible]

TABLE 18.5

Month: July 1960

RADIOSONDE OBSERVATIONS AT STANDERD LEVELS 0000 G.M.T. AT BAGHDAD AIRPORT.

	500 mbs.,					400 mbs.,					300 mbs.,					200 mbs.,					150 mbs.,				
DATE	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff
1	584	53	81	-	-	756	65	90	-	-	971	76	01	-	-	252	96	16	-	-	439	06	-	-	-
2	584	54	67	-	-	757	62	75	-	-	972	75	87	-	-	255	94	04	-	-	443	05	15	-	-
3	579	55	74	-	-	751	65	84	-	-	963	77	94	-	-	244	96	10	-	-	430	08	21	-	-
4	583	53	73	-	-	754	67	84	-	-	966	75	91	-	-	249	94	08	-	-	437	07	14	-	-
5	587	52	73	-	-	760	64	85	-	-	973	76	95	-	-	254	95	11	-	-	451	07	-	-	-
6	588	54	75	-	-	760	66	75	-	-	972	79	87	-	-	251	96	03	-	-	-	-	-	-	-
7	594	50	73	-	-	768	63	-	-	-	982	74	95	-	-	267	93	10	-	-	455	05	21	-	-
8	581	55	65	-	-	753	64	78	-	-	967	75	91	-	-	249	95	08	-	-	435	07	18	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	581	53	70	-	-	759	60	81	-	-	974	75	93	-	-	257	93	09	-	-	446	06	-	-	-
11	583	50	69	-	-	762	60	79	-	-	977	75	91	-	-	257	97	10	-	-	441	11	-	-	-
12	584	52	76	-	-	758	62	-	-	-	972	78	97	-	-	251	98	13	-	-	435	11	-	-	-
13	582	54	76	-	-	754	65	83	-	-	966	78	96	-	-	247	96	11	-	-	432	09	23	-	-
14	580	06	75	-	-	753	62	81	-	-	967	76	93	-	-	248	96	11	-	-	435	07	-	-	-
15	583	54	69	-	-	757	62	77	-	-	971	75	89	-	-	258	96	07	-	-	450	06	15	-	-
16	584	54	74	-	-	758	63	81	-	-	971	78	94	-	-	253	95	09	-	-	438	11	-	-	-
17	591	51	69	-	-	765	63	78	-	-	978	79	90	-	-	-	-	-	-	-	-	-	-	-	-
18	595	00	78	-	-	769	61	83	-	-	975	73	92	-	-	-	-	-	-	-	-	-	-	-	-
19	587	01	80	-	-	762	62	86	-	-	975	78	98	-	-	254	98	18	-	-	438	12	-	-	-
20	584	51	75	-	-	759	62	84	-	-	973	75	94	-	-	256	94	09	-	-	443	07	-	-	-
21	584	55	75	-	-	757	63	83	-	-	969	79	93	-	-	248	97	11	-	-	433	09	-	-	-
22	582	57	75	-	-	752	67	83	-	-	963	79	96	-	-	243	95	10	-	-	429	07	21	-	-
23	579	60	75	-	-	748	68	82	-	-	960	77	88	-	-	242	94	03	-	-	431	04	12	-	-
24	586	55	70	-	-	758	65	81	-	-	971	76	81	-	-	258	92	05	-	-	446	04	16	-	-
25	585	59	77	-	-	757	65	86	-	-	969	76	95	-	-	252	94	11	-	-	439	06	-	-	-
26	584	55	77	-	-	755	66	86	-	-	967	77	97	-	-	248	96	12	-	-	434	08	-	-	-
27	590	55	71	-	-	763	60	77	-	-	978	76	92	-	-	260	94	07	-	-	449	04	16	-	-
28	585	56	73	-	-	786	65	79	-	-	968	78	91	-	-	248	97	07	-	-	434	07	16	-	-
29	588	55	65	-	-	761	64	79	-	-	973	78	92	-	-	252	99	10	-	-	437	08	18	-	-
30	590	59	65	-	-	762	63	76	-	-	975	78	91	-	-	254	98	09	-	-	440	08	-	-	-
31	588	59	66	-	-	757	70	84	-	-	969	76	89	-	-	251	96	10	-	-	437	08	-	-	-

TABLE 18 c

Month: July 1960

RADIOSONDE OBSERVATIONS AT STANDERD LEVELS 1200 G.M.T. AT BAGHDAD AIRPORT.

DATE	SURFACE $N_h C_L h C_M C_H$	ww	app	ppp	TT	Td	dd	ff	1000 mbs. HHH	TT	Td	dd	ff	850 mbs. HHH	TT	Td	dd	ff	700 mbs. HHH	TT	Td	dd	ff	600 mbs. HHH	TT	Td	dd	ff
1	00900	02	715	949	44	06	27	15	544	-	-	-	-	431	29	01	30	16	107	14	57	30	19	395	09	66	27	18
2	00900	02	715	943	43	09	32	12	549	-	-	-	-	424	28	10	31	19	098	14	52	28	21	382	07	61	26	17
3	00900	06	718	949	42	12	32	10	540	-	-	-	-	431	28	10	34	12	108	16	51	32	06	404	09	62	31	12
4	00900	06	707	968	43	08	28	10	529	-	-	-	-	420	25	54	33	15	089	15	64	27	18	372	06	70	25	20
5	00900	06	715	969	44	09	36	12	519	-	-	-	-	454	29	06	32	15	134	18	55	33	16	434	11	65	32	17
6	00900	06	713	006	42	07	35	10	006	-	-	-	-	477	29	05	-	-	159	15	56	-	-	448	11	63	-	-
7	00900	06	719	983	42	06	30	12	510	-	-	-	-	454	28	10	-	-	139	21	02	-	-	452	13	57	-	-
8	9x0xx	06	718	965	40	06	31	10	526	-	-	-	-	436	26	12	-	-	098	13	05	-	-	376	06	52	-	-
9	00900	06	711	960	42	06	35	08	535	-	-	-	-	437	29	11	31	18	114	16	00	33	18	411	11	54	32	17
10	00900	02	805	985	44	08	36	10	554	-	-	-	-	462	28	12	35	22	140	15	51	33	12	425	07	61	32	16
11	00900	06	713	972	46	03	35	10	522	-	-	-	-	461	31	05	32	14	145	13	56	33	10	423	08	67	33	06
12	00900	02	712	975	44	04	30	08	525	-	-	-	-	445	27	01	25	08	117	15	60	27	27	395	06	68	26	22
13	00900	07	710	976	41	10	25	16	518	-	-	-	-	444	25	12	28	20	106	12	01	28	13	386	06	59	27	14
14	00900	02	703	989	41	12	28	10	510	-	-	-	-	444	24	03	26	10	090	13	58	29	21	367	06	65	27	23
15	00900	02	709	990	43	10	31	05	505	-	-	-	-	458	26	05	33	10	118	12	55	25	16	397	07	61	31	16
16	00900	07	707	022	44	06	30	16	518	-	-	-	-	487	27	02	-	-	157	16	61	-	-	446	09	67	-	-
17	00900	07	716	028	44	04	31	15	031	42	13	30	37	503	28	03	-	-	187	17	61	-	-	480	10	60	-	-
18	00900	07	720	977	45	06	32	15	522	-	-	-	-	469	34	00	33	23	173	19	61	31	04	476	12	70	25	10
19	00900	06	714	959	45	08	28	12	531	-	-	-	-	452	31	05	-	-	147	19	57	-	-	452	12	67	-	-
20	00900	06	712	984	43	09	30	06	506	-	-	-	-	460	29	06	24	12	138	14	56	24	18	415	07	62	22	26
21	00900	02	712	986	43	07	23	04	515	-	-	-	-	453	27	07	25	06	111	10	53	26	15	378	04	70	26	29
22	00900	02	813	976	44	09	13	04	518	-	-	-	-	462	30	10	13	18	147	16	00	20	17	433	07	58	21	24
23	00901	03	717	960	45	13	31	05	530	-	-	-	-	460	32	05	10	07	157	16	05	-	-	442	05	51	-	-
24	10930	03	717	980	45	17	32	02	522	-	-	-	-	450	36	20	31	12	132	14	05	32	07	412	06	57	30	08
25	00900	02	713	982	45	13	31	05	513	-	-	-	-	459	31	08	35	03	151	15	01	31	05	428	05	60	36	08
26	00900	02	712	970	45	07	36	08	519	-	-	-	-	483	34	09	33	20	183	17	05	32	11	473	09	58	01	04
27	9x0xx	07	705	986	45	04	32	18	514	-	-	-	-	474	31	13	-	-	168	16	03	-	-	453	06	54	-	-
28	9x0xx	06	715	997	42	10	30	12	002	-	-	-	-	479	30	06	-	-	171	18	00	-	-	459	07	55	-	-
29	00900	02	717	967	49	09	27	08	522	-	-	-	-	479	34	05	36	08	186	18	51	16	06	475	05	58	17	12
30	10930	03	711	960	49	06	27	08	531	-	-	-	-	474	36	10	28	09	193	20	03	24	04	493	08	62	22	13
31	9x0xx	06	715	953	47	06	30	11	541	-	-	-	-	449	33	00	-	-	147	18	56	-	-	433	05	56	-	-

TABLE 18-d

Month: July 1960

RADIOSONDE OBSERVATIONS STANDERD LEVLES AT 1200 G.M.T. AT BAGHDAD AIRPORT.

	500 mbs.					400 mbs.					300 mbs.					200 mbs.					150 mbs.				
DATE	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff	HHH	TT	Td	dd	ff
1	588	02	73	27	21	764	61	82	28	24	979	75	95	-	-	-	-	-	-	-	-	-	-	-	-
2	585	53	72	26	27	759	61	79	21	53	974	75	92	-	-	253	02	15	-	-	432	14	-	-	-
3	588	52	75	26	11	760	66	86	27	28	972	76	96	-	-	254	95	12	-	-	440	08	-	-	-
4	584	55	82	25	19	756	64	70	27	35	969	72	00	-	-	251	95	16	-	-	438	06	-	-	-
5	591	52	77	-	-	765	62	85	-	-	980	75	96	-	-	264	93	11	-	-	451	07	-	-	-
6	594	01	72	-	-	769	61	79	-	-	983	76	94	-	-	267	92	08	-	-	456	05	18	-	-
7	595	01	68	-	-	769	62	78	-	-	986	72	87	-	-	272	92	05	-	-	462	04	16	-	-
8	585	53	66	-	-	758	63	75	-	-	973	74	86	-	-	256	94	04	-	-	443	06	-	-	-
9	590	01	64	23	20	766	59	73	33	23	985	70	83	33	20	275	88	99	33	16	465	04	14	34	15
10	589	52	69	31	34	765	59	75	29	32	982	72	87	28	18	267	93	05	28	16	455	08	18	28	12
11	591	01	73	31	19	768	57	88	26	16	986	71	92	-	-	275	88	-	-	-	468	01	-	-	-
12	559	00	77	27	24	776	61	84	26	30	977	75	95	25	32	259	96	11	21	32	445	08	-	22	24
13	585	52	67	26	36	759	63	77	26	43	973	75	88	-	-	258	92	03	-	-	447	05	15	-	-
14	583	54	74	27	28	756	61	80	-	-	970	76	96	-	-	250	98	15	-	-	435	08	-	-	-
15	586	53	70	25	16	759	63	78	23	32	973	77	91	22	40	253	97	09	21	47	-	-	-	-	-
16	593	00	74	-	-	768	61	83	-	-	982	76	97	-	-	264	95	12	-	-	451	08	-	-	-
17	597	02	74	-	-	773	60	80	-	-	989	74	97	-	-	271	95	08	-	-	458	08	20	-	-
18	597	04	76	26	12	774	58	89	25	12	991	74	99	-	-	275	93	15	-	-	463	06	-	-	-
19	595	02	74	-	-	771	60	82	-	-	946	75	95	-	-	268	96	12	-	-	453	08	-	-	-
20	589	50	70	23	38	784	62	79	-	-	998	75	90	-	-	282	95	08	-	-	468	08	19	-	-
21	584	54	77	26	30	756	64	87	27	42	968	79	99	27	52	246	28	14	-	-	421	09	-	-	-
22	590	55	69	26	34	763	63	75	28	52	977	74	88	28	44	262	92	04	-	-	452	02	13	-	-
23	591	53	75	-	-	764	63	90	-	-	978	75	01	-	-	262	92	15	-	-	452	02	-	-	-
24	587	54	70	29	26	760	62	79	29	32	973	75	90	31	36	257	95	07	30	32	444	06	17	-	-
25	590	53	70	33	20	762	64	81	32	26	975	76	91	32	23	257	95	08	31	20	443	08	19	30	22
26	595	53	75	32	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	592	53	63	-	-	766	63	75	-	-	980	76	89	-	-	262	95	07	-	-	449	07	18	-	-
28	593	51	68	-	-	768	62	83	-	-	982	75	95	-	-	264	95	11	-	-	451	07	-	-	-
29	593	55	65	16	08	766	63	78	28	04	980	76	83	27	13	261	38	06	-	-	446	09	16	-	-
30	596	55	64	20	09	768	64	72	28	07	982	75	90	25	16	265	96	07	-	-	451	08	18	-	-
31	589	54	67	-	-	773	62	78	-	-	988	73	95	-	-	271	96	13	-	-	457	07	-	-	-

TABLE 19a

BAGHDAD AIRPORT

Month: July 1960

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																		2
200 -500M					1/1	1/1	1/1	3/3	4/4	4/4	4/4	3/3	1/1	1/1			1/1	1/1		1/1					26
500 -1000M				2/3		1/2	1/3	2/4	1/3	1	1	2	1/2		1/2	1/2	1/1	1/1	1/1						28
1000 -1500M			2	1	2	1	3	3	3	6	1	1	2	2	1		1	3	1					1	34
1500 -3000M			1		4	6	4	4	3	2	4	3	2	3	5	6	4	4	2				1		58
3 -5KM	1	1	4	1	2	2	2				2	1	2	2	3	3	3	3	2	1	1	1			34
5 -10KM	3	2	5	14	8	7	5	4	3	5	6	8	8	8	4	6	13	12	5	8	8	3	4	4	153
10 -15KM	1	7	15	6	5	3	2	1	4	4	4	3	3	4	5	9	7	7	14	10	8	10	8	5	145
15	26	21	7	6	8	9	10	12	11	9	9	10	11	11	11	5	1		6	11	14	17	18	21	264
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

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 -150																									
150 -300																									
300 -500																									
500 -900																									
900	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 .

TABLE 19:

Bahrain Airport

Month: July 1960

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	2/2	1/1	1/1	1/1		1/1				1/1	1/1								9
>1500 -3000M	4/4	3/3	4/4	2/2	3/3	4/4	2/2	4/4	7/7	5/5	5/5	4/4	5/5	5/5	6/6	5/5	6/6	7/7	6/6	6/6	4/4	4/4	4/4	4/4	109
>3 -5KM	1/1	2/2	3/3	4/4	2/2		2/2	2/2		1/1	1/1	2/2	4/4	4/4	3/3	3/3	4/4	1/1	1/1	3/3	4/4	3/3	2/2	2/2	54
>5 -10KM	2/3	3/5	3/7	5/10	7/11	6/8	4/8	3/6	3/5	5/5	4/5	4/7	2/3	2/2	4/5	5/6	5/7	4/7	5/7	3/5	5/8	5/7	4/6	5/5	148
>10 -15KM	10	9	7	7	4	7	5	7	9	12	10	7	9	10	6	8	6	6	5	5	5	9	11	7	181
>15	13	12	10	8	11	11	12	11	9	6	9	10	10	10	11	8	6	9	11	12	10	8	8	13	238
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

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													1	1	1	1	1								5
>50 -150																									
>150 -300																									
>300 -500																									
>500 -900																									
>900			1	3	3	3	4	2	1						1										18

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

TABLE 20 a

BAGHDAD AIRPORT

Month: July 1960

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		3	3		1	3			4	1	1	2	3	14	5	1	6	2	26	6	10	31	31	31		
>900				4	1		1	2	2	6	2		2	2	6		2	3	5	8	6	4	3	9	9	11	5	31	31	31		
AND ≥5/8			1			6	1		12	1		13	2		16	2	1	12	5	3	49	14	10	49	6	17	90	31	31	248		
			1			1		3	3		1	3			4	1	1	2	3	14	5	1	6	2	26	6	10	31	31	31		
TOTAL				4	1		1	2	2	6	2		2	2	6		2	3	5	8	6	4	3	9	9	11	5	31	31	31		
			1			6	1		12	1		13	2		16	2	1	12	5	3	49	14	10	49	6	17	90	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

GMT.

To=Total for all hours

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

TABLE 20 b

Month: July 1960

BASRAH AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base ($\leq$ 5 Oktas)

HEIGHT METERS	VISIBILITY									Total
	0-200M	>200-500M	>0.5-1KM	>1-1.5KM	>1.5-3KM	>3-5KM	>5-10KM	>10-15KM	>15KM	
0-50				1	1					1 1
*				1	1					2
>50-150										
>150-300										
>300-500										
>500-900										
< 5/8 OR *				2 4	2 2	1 4	2 3	10 8	10 7	5 13 8 12 31 31 31
>900		1	1	5 4	5 1	4 3	5 3	6 12	9 8	6 10 8 31 31 31
AND ≥5/8		1 2		6 4	32 1	3 19	7 7	49 5	9 65	11 8 76 31 31 246
				2 4	2 2	1 4	2 3	10 8	10 7	5 13 8 12 31 31 31
TOTAL		1	1	1 5	5 5	1 4	3 5	3 6	12 9	8 6 10 8 31 31 31
		1 2		4 6	33 1	3 19	7 7	49 5	9 65	11 8 76 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

GMT.

To=Total for all hours

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

الجمهورية العراقيـــــــــــــة

وزارة المواصـــــــلات

مديرية الطيران المدني العامة

مديرية الانواء الجوية

شعبة المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية لشهر

آب ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR AUGUST 1960.

مجلد ٢٣ عدد (٨) آب ١٩٦٠

VOLUME 23 , No. (8) AUGUST 1 9 6 0 .

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GENERAL SITUATION FOR AUGUST 1960 .

This month is characterized by frequent duststorm, which were well obeserved in the last two summers . Remarked rising dust occured on the days 1,2,5,6,10, 12 ,13,22,23,25 and 27 to 31st of the month,because the effect of the seasonal trough which is extending from Middle India to Iraq. And the strong Northly winds over the Desert Area West Iraq caused the wide spread rising dust and also because the local shallow depressions.

The most significant cases were noticed on the Central and Southern Areas. On 30th and 31st widespread rising dust covered all Iraq.

لمحة عامة عن التقرير الشهري لشهر آب ١٩٦٠

شهر مغبـــــــر

امتاز هذا الشهر بتعدد تصاعد الغبار خلاله حيث كان كثيف بعض الاحيان . فقد رصد الغبار في الايام ١ ، ٢ ، ٥ ، ٦ ، ١٠ ، ١٢ ، ١٣ ، ٢٢ ، ٢٣ ، ٢٥ ومن ٢٧ الى ٣١ منه وسبب ذلك من امتداد الضغط المنخفض الموسمي من اواسط الهند حيث تكون نهايته على العراق و هبوب الرياح الشمالية الشديدة نهارا الى جانب تصاعد الغبار وايضا من سبب تشكل الانخفاضات المحلية المحلية ومن اهم حالات تصاعد الغبار لوحظت في وسط وجنوب القطر هو في ٣٠ ، ٣١ من الشهر حيث غطى الغبار الكثيف كافة اقسام القطر

AUGUST 1960.

آب ١٩٦٠

TABLE - 1

المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C^{o}) OF 8 OBSERVATIONS

التاريخ DATE	بغداد BAGH-DAD	موصل MOSUL	كركوك KIR-KUK	رطبة RUTBA	حي HAI	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BASRA	حبانية HABBA-NIYA
1	34.9	34.1	34.6	29.5	36.2	33.4	34.7	35.4	32.9
2	34.8	34.0	33.6	30.0	35.6	32.6	33.4	33.5	33.5
3	34.5	33.2	33.5	29.6	35.4	33.2	35.0	33.5	33.6
4	35.0	32.1	32.8	29.9	34.9	33.1	33.2	33.6	33.7
5	35.5	32.3	33.3	30.3	34.4	32.8	33.8	33.0	34.6
6	35.4	33.4	36.1	29.3	35.3	32.7	34.1	32.6	34.5
7	34.4	34.7	36.2	29.9	34.5	32.1	34.5	32.5	34.3
8	34.6	33.1	35.9	30.3	35.0	32.4	33.5	33.0	32.9
9	35.8	32.1	34.7	30.6	36.1	33.9	34.3	32.7	34.4
10	37.4	33.3	34.8	30.9	36.7	33.9	34.4	34.0	34.3
11	38.8	32.9	33.1	29.4	36.1	32.9	33.7	33.6	32.8
12	34.8	31.1	32.2	29.2	34.6	31.6	32.3	31.8	33.0
13	34.0	31.3	34.9	29.0	35.0	32.3	32.9	33.1	33.5
14	37.0	35.3	38.7	30.9	35.4	33.6	34.6	33.0	35.9
15	36.8	35.6	38.9	32.1	36.8	33.4	36.6	34.4	36.3
16	36.0	34.6	37.5	33.0	38.2	34.1	35.8	34.8	35.8
17	38.1	33.6	35.2	33.4	37.9	34.0	35.4	34.7	35.6
18	35.6	31.6	34.9	31.8	37.6	34.2	36.6	35.4	33.9
19	36.4	31.4	35.0	32.4	38.5	35.0	35.7	35.8	34.8
20	38.1	31.5	38.0	33.0	39.1	36.5	36.6	35.7	35.5
21	37.6	32.0	35.4	32.8	39.2	36.1	36.7	36.1	35.2
22	36.9	34.5	35.7	31.9	37.9	34.7	36.4	35.4	35.8
23	33.8	33.3	32.9	27.8	36.1	31.8	34.8	34.3	32.2
24	32.6	28.9	30.6	26.1	34.3	30.6	32.3	32.2	30.2
25	29.9	25.3	27.6	24.6	31.1	28.9	30.3	29.9	28.8
26	31.8	28.6	29.8	26.2	30.5	30.1	29.9	28.8	30.9
27	32.2	28.1	30.0	27.0	32.7	30.2	32.0	30.9	31.9
28	31.3	27.6	29.4	27.0	32.1	30.1	31.0	29.9	30.1
29	33.7	27.4	31.6	28.0	33.5	31.2	32.5	30.1	32.8
30	34.0	32.7	33.7	27.4	34.5	32.2	33.8	32.2	32.5
31	34.0	28.5	30.8	28.1	35.4	33.1	34.5	32.5	30.7
MEANS	35.0	31.9	33.9	29.7	35.5	32.8	34.0	33.2	33.5

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TABLE - 2

المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	حي	ديوانية	ناصرية	بصرة	رطبة	حبانية
DATE	BAGH-DAD	MOSUL	KIRKUK	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	RUTBAH	HABBA-NIYA
1	998.1	997.7	997.1	997.0	998.9	997.0	995.6	1000.0	999.3
2	99.2	98.5	98.6	98.2	99.7	98.7	97.8	01.6	99.9
3	99.9	99.6	99.5	99.1	1000.3	99.8	99.1	02.4	1000.7
4	1001.1	1001.0	1000.2	1000.0	01.4	1000.7	99.8	03.1	01.4
5	00.5	00.6	99.6	99.3	00.1	00.0	99.1	03.7	01.2
6	97.5	98.5	96.6	95.8	97.9	97.2	96.5	02.8	98.6
7	96.8	96.6	95.6	95.9	97.1	96.3	95.9	00.8	97.7
8	97.8	98.3	96.9	97.1	98.4	99.8	97.8	00.2	98.6
9	00.1	01.2	00.1	99.0	00.1	99.6	98.4	02.2	00.7
10	98.6	99.1	98.1	96.5	98.7	97.7	96.6	02.1	99.7
11	98.2	97.9	97.5	95.9	98.1	97.2	95.9	01.2	99.4
12	98.2	99.0	98.0	96.1	98.3	97.5	96.1	01.9	99.7
13	98.5	00.1	97.6	96.7	99.0	98.0	96.9	03.4	99.8
14	98.7	99.7	96.6	96.4	97.3	97.5	97.2	02.8	97.9
15	96.4	98.0	96.2	97.0	97.1	97.8	97.7	01.4	97.7
16	96.4	96.9	95.2	96.2	96.8	97.1	96.4	00.2	96.9
17	97.2	97.6	96.9	95.9	97.2	96.8	96.3	99.5	98.0
18	99.1	99.9	98.7	97.9	99.1	98.5	97.7	00.6	99.8
19	00.3	02.1	00.6	98.8	00.3	99.4	97.7	01.2	00.9
20	99.9	02.2	00.7	98.0	99.7	98.5	96.8	00.0	00.9
21	99.3	00.8	99.6	97.6	99.7	98.4	97.3	00.1	00.5
22	98.9	99.3	98.4	97.7	99.2	98.5	97.8	01.5	99.7
23	00.7	00.1	00.0	98.7	00.8	99.6	98.4	03.4	01.7
24	03.5	03.6	03.4	01.3	03.3	02.3	01.0	05.9	04.8
25	05.4	06.1	05.0	03.2	05.3	03.5	01.9	08.2	06.1
26	01.2	01.4	00.0	99.5	01.6	00.9	98.8	06.1	00.9
27	00.9	99.8	99.3	99.9	01.8	01.0	00.6	04.4	01.6
28	03.8	02.8	02.9	03.5	04.3	03.8	03.3	04.5	04.0
29	02.4	04.5	03.2	02.2	02.4	02.5	02.2	02.5	02.6
30	02.0	01.4	01.4	01.7	02.2	01.8	01.7	03.7	02.4
31	05.8	07.2	06.3	03.7	05.1	03.8	03.0	07.0	06.5
MEANS	999.8	1000.4	999.3	998.6	1000.0	999.4	998.5	1002.5	1000.6

AUGUST 1960. آب ١٩٦٠

TABLE - 3 المعدل اليومي للرطوبة النسبية (٪)

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	22	41	21	39	20	27	30	41	31
2	26	35	26	41	25	36	38	48	30
3	25	42	25	39	24	37	32	47	28
4	26	39	26	34	25	36	40	50	31
5	24	40	26	40	24	33	34	49	28
6	25	36	26	38	23	28	29	48	23
7	20	31	28	34	25	27	32	51	21
8	22	37	25	31	25	27	28	52	30
9	21	37	25	28	21	32	26	51	32
10	17	33	29	35	20	25	28	43	26
11	27	43	36	36	24	33	30	50	35
12	19	36	25	45	24	29	28	54	29
13	22	37	18	36	20	26	24	36	27
14	19	28	21	29	25	29	23	41	20
15	22	31	19	23	26	29	20	42	22
16	24	35	18	25	21	29	19	44	27
17	18	30	16	20	23	32	29	40	27
18	27	30	17	24	22	33	25	42	31
19	28	34	17	21	21	29	25	41	31
20	18	37	12	24	18	23	18	44	30
21	19	34	12	22	17	25	24	46	31
22	23	28	15	25	19	31	22	47	29
23	26	33	22	46	23	33	22	38	30
24	27	40	26	52	25	36	29	44	31
25	19	42	24	30	22	29	28	39	20
26	17	35	18	22	26	26	25	48	19
27	20	32	19	35	26	31	28	51	22
28	22	36	17	29	25	32	26	50	25
29	22	40	19	26	24	31	29	55	28
30	20	31	16	30	23	29	25	50	29
31	18	43	21	28	20	23	21	52	32
MEANS	22	36	21	32	23	30	27	46	28

AUGUST 1960. آب ١٩٦٠

TABLE -4-a

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C^{o}).

التاريخ	بغداد		موصل		كركوك		خانقين		رطبة	
	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	42.3	28.8	42.5	26.1	41.7	28.4	42.2	27.8	38.3	20.6
2	42.6	25.0	42.7	24.0	40.5	27.1	40.6	27.2	38.0	20.7
3	42.6	29.8	40.9	24.8	40.5	26.7	41.0	25.0	37.0	21.4
4	42.5	27.0	42.2	23.8	40.9	24.8	40.0	25.0	37.5	21.6
5	42.4	28.5	43.0	21.0	40.8	24.8	40.6	25.6	37.7	22.0
6	45.0	25.0	44.9	21.6	42.3	27.8	43.5	22.8	36.5	22.3
7	44.8	24.1	45.5	22.3	44.7	28.1	44.4	24.4	38.4	20.8
8	44.6	24.0	45.2	17.9	44.3	27.5	43.3	25.6	40.3	20.3
9	45.4	23.4	44.0	18.0	42.4	28.2	43.0	23.3	39.4	21.7
10	44.3	27.4	43.3	20.8	42.6	26.5	43.0	22.0	39.0	22.4
11	44.5	28.2	41.3	26.6	40.0	25.8	41.0	22.8	36.8	22.0
12	44.4	26.0	40.8	19.8	39.8	24.3	41.5	25.0	36.4	21.4
13	43.3	25.4	43.8	17.2	43.0	24.6	43.0	21.1	36.6	20.4
14	47.7	25.8	46.1	18.5	46.4	31.3	46.7	26.7	38.8	21.4
15	47.2	26.8	47.3	23.6	46.9	32.4	46.1	28.3	41.2	23.6
16	47.0	26.4	46.3	21.4	45.7	30.6	45.4	31.1	41.3	23.7
17	47.2	27.7	45.4	20.0	44.3	27.4	44.8	26.1	42.5	22.5
18	46.2	26.8	44.9	15.5	43.5	26.7	43.3	24.4	41.4	20.6
19	46.0	25.2	42.2	18.7	43.2	26.2	44.0	25.0	42.2	20.6
20	46.2	28.8	43.3	18.5	42.2	28.4	44.0	24.0	42.0	22.3
21	47.3	27.4	44.8	17.5	43.9	24.8	45.6	25.0	42.5	21.0
22	46.7	25.7	45.6	19.5	45.2	26.0	45.0	23.3	40.8	24.6
23	41.6	27.0	42.2	24.0	41.2	23.4	42.2	23.9	35.2	20.4
24	40.2	22.4	37.5	18.7	37.0	24.3	38.9	23.3	32.8	19.4
25	37.5	24.2	35.6	13.8	34.0	20.1	35.0	22.8	32.7	17.7
26	40.0	18.2	39.1	14.9	38.8	20.8	38.3	16.7	34.2	16.5
27	39.6	22.3	40.1	15.3	39.2	20.9	38.3	20.0	34.8	19.5
28	41.0	21.3	38.7	14.1	38.0	21.0	37.2	25.0	36.4	17.4
29	41.5	24.3	39.0	14.6	39.1	23.9	39.4	21.7	37.5	18.4
30	42.4	23.7	40.9	22.3	41.4	27.5	41.7	24.4	35.3	19.3
31	41.0	26.6	38.6	18.3	38.8	23.6	40.0	24.4	37.6	17.0
MEANS	43.7	25.6	42.5	19.8	41.7	25.9	42.3	24.3	38.1	20.8

RECORDS OF TEMPERATURES : : المقاييس الماضية

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	50.2	5	1957	17.8	27	1937
MOSUL	49.8	6	1957	12.8	26	1952
KIRKUK	47.4	6	1956	19.4	26	1941
KHANAQIN	49.5	8	1938	11.6	24	1942
RUTBAH	45.6	10	1930	15.0	25	1949

AUGUST 1960.

TABLE -4-b

درجات الحرارة العظمى و الصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°).

التاريخ	الحي		ديوانية		ناصرية		بصرة		حبانية	
	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
DATE	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.
1	43.0	30.6	41.0	23.8	44.0	28.5	42.3	29.9	43.9	26.6
2	41.8	24.6	42.0	23.0	42.7	23.9	40.0	26.5	41.9	24.4
3	41.4	25.4	41.6	24.5	43.3	24.6	41.4	25.6	41.2	27.7
4	41.0	26.0	40.8	25.8	42.6	24.8	40.7	25.1	41.6	25.7
5	40.8	24.1	41.0	23.9	41.6	25.0	40.7	26.0	41.7	26.0
6	43.0	24.0	42.0	25.8	43.2	26.6	41.1	25.6	43.4	27.0
7	42.6	25.0	42.0	24.2	44.5	25.9	40.0	25.8	42.2	24.9
8	43.0	24.2	42.0	22.8	43.6	22.4	40.9	25.9	43.4	22.9
9	44.0	23.6	43.2	22.2	45.6	22.8	42.0	23.6	43.9	23.9
10	43.0	27.0	42.0	23.1	43.7	24.6	41.6	27.3	43.4	23.9
11	42.4	29.6	40.0	25.0	41.0	26.7	41.6	26.4	41.0	26.7
12	41.2	26.0	39.4	23.1	40.0	25.0	40.0	26.5	40.9	25.0
13	41.8	27.0	40.0	21.2	39.8	24.5	40.0	27.7	41.7	24.5
14	45.2	24.6	42.6	24.0	43.8	25.9	42.4	28.2	45.6	26.0
15	45.8	24.2	42.6	23.6	47.0	25.6	43.1	28.2	45.2	26.2
16	46.2	28.3	44.6	23.2	45.8	26.3	43.5	28.3	46.8	24.2
17	46.2	25.2	44.5	25.0	47.5	24.1	45.1	26.4	45.5	26.4
18	45.4	26.2	44.2	25.4	47.0	28.4	44.8	25.8	44.4	24.5
19	45.6	27.9	44.0	24.0	46.8	23.3	43.6	26.0	46.1	23.1
20	46.6	28.2	45.5	25.8	47.8	27.8	43.7	27.7	47.6	24.7
21	46.0	28.0	44.5	27.0	47.0	27.3	45.2	27.9	46.1	25.0
22	46.2	24.6	44.5	25.0	47.5	26.0	43.9	26.5	46.1	25.3
23	43.2	26.4	41.0	24.4	45.4	26.2	43.6	26.8	40.5	26.4
24	40.6	25.6	39.0	20.6	42.0	24.2	40.8	24.7	38.5	22.1
25	36.4	24.0	35.8	22.2	36.6	25.0	34.6	25.5	35.6	21.2
26	37.4	20.2	37.2	21.0	38.0	21.2	36.6	21.1	38.5	19.5
27	38.4	25.0	37.5	22.6	39.6	27.2	38.6	23.7	38.8	23.1
28	39.0	23.6	37.5	21.5	40.2	22.4	37.5	23.0	38.7	20.7
29	42.1	22.4	40.0	20.2	41.8	20.5	39.6	21.3	40.6	21.6
30	43.5	23.8	42.5	20.8	45.0	24.2	40.2	21.8	41.0	22.2
31	42.4	25.8	41.7	25.8	44.3	26.0	43.0	23.7	40.6	21.7
MEANS	42.8	25.5	41.5	23.6	43.8	25.1	41.4	25.8	42.5	24.3

RECORDS OF TEMPERATURES : القياسات الحدية

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
HAI	48.9	26	1943	18.9	28&30	1941
DIWANIYA	48.3	26	1943	16.1	29	1941
NASIRIYA	49.4	15	1951	16.1	24	1946
BASRAH	48.9	9	1938	20.0	29	1941
HABBANIYA	50.0	1&8	1938	19.4	28&29	1941

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TABLE - 5

المعدل الشهري لدرجات الحرارة للبصلة الجافة (مئوية)

MONTHLY MEAN DRY BULB TEMPERATURES (°C)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
			T I M E - G . M . T						
BAGHDAD	29.4	27.1	28.6	40.4	42.9	41.1	34.3	31.4	35.0
MOSUL	23.2	20.9	24.3	39.2	43.7	39.2	32.3	26.9	34.0
KIRKUK	26.3	23.8	34.5	39.4	40.9	38.6	30.6	29.8	33.2
KHANAQIN	-	25.0	32.3	45.1	44.5	39.7	34.3	-	36.2
RUTBAH	27.2	21.6	25.2	34.8	37.3	36.3	32.2	25.9	31.2
HAI	-	23.3	34.0	40.5	41.7	37.2	32.2	-	35.5
NASIRIYA	27.6	25.7	31.2	41.6	42.6	38.7	32.5	29.3	34.1
BASRAH	27.9	26.1	33.2	38.5	40.4	38.9	32.3	30.0	33.6
HABBANIYA	24.9	24.7	32.4	40.1	43.1	39.7	32.5	28.0	33.5
DIWANIYA	26.8	24.2	33.0	39.7	41.5	38.5	32.4	28.0	33.3

TABLE - 6

المعدل الشهري لدرجات الحرارة للبصلة الرطبة (مئوية)

MONTHLY MEAN WET BULB TEMPERATURES (°C)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.8	16.9	19.6	21.9	22.0	22.1	20.5	19.3	20.0
MOSUL	16.3	15.5	20.1	23.2	23.3	22.5	19.9	17.8	19.8
KIRKUK	17.1	16.5	20.2	21.2	21.2	20.4	18.9	17.7	19.0
KHANAQIN	-	14.8	20.0	21.4	21.5	20.6	19.1	-	19.5
RUTBAH	15.6	15.1	10.7	24.1	21.8	20.9	18.6	15.9	18.9
HAI	-	15.8	20.2	21.5	21.7	20.5	19.2	-	19.7
NASIRIYA	18.0	16.8	20.4	22.3	22.7	22.3	20.7	19.1	20.3
BASRAH	21.7	20.7	23.9	25.5	26.1	25.7	24.5	23.3	23.9
HABBANIYA	17.5	16.6	20.2	23.0	22.8	22.5	20.9	18.4	20.4
DIWANIYA	17.7	16.7	20.9	23.1	23.3	22.7	20.1	18.7	20.5

TABLE - 7

المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	99.3	99.9	00.9	00.6	99.4	98.5	99.8	00.0	999.8
MOSUL	01.1	01.8	01.7	00.3	98.8	98.4	99.9	01.0	1000.4
KIRKUK	99.8	00.5	00.2	99.2	97.7	97.6	99.7	00.2	999.3
KHANAQIN	-	01.2	99.7	98.7	97.5	97.6	99.3	-	998.0
RUTBAH	02.3	03.1	03.5	02.9	02.0	02.0	02.6	02.6	1002.6
HAI	-	98.7	99.4	99.1	97.9	97.7	98.7	-	998.5
NASIRIYA	99.2	99.8	00.3	99.6	98.4	98.1	99.4	99.6	999.3
BASRAH	98.0	98.4	99.4	99.2	98.1	97.6	98.4	98.5	998.5
HABBANIYA	00.3	01.1	01.7	01.2	00.1	99.6	00.6	00.6	1000.7
DIWANIYA	99.4	00.2	01.2	00.9	99.5	99.1	00.1	99.9	1000.0

TABLE - 8

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	28	32	25	15	12	15	24	26	22
MOSUL	50	58	36	25	21	23	32	41	36
KIRKUK	28	31	23	15	13	14	22	25	21
KHANAQIN	-	25	19	14	13	13	19	-	17
RUTBAH	41	49	37	27	22	21	27	32	32
HAI	-	33	27	17	16	19	24	-	23
NASIRIYA	35	36	25	15	14	21	31	34	26
BASRAH	57	58	44	33	30	39	52	56	46
HABBANIYA	36	40	29	20	16	19	29	32	25
DIWANIYA	37	43	30	21	18	22	32	35	30

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TABLE - 9

المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (MBS.)

G.M.T.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.1	11.3	12.6	11.6	10.0	11.3	13.2	11.9	11.6
MOSUL	14.1	12.0	16.3	17.7	17.0	16.4	15.1	14.8	15.4
KIRKUK	10.8	10.7	12.5	10.8	9.7	8.7	10.7	10.3	10.3
KHANAQIN	-	8.2	11.0	9.9	9.8	9.3	10.1	-	9.7
RUTBAH	11.6	12.5	13.7	14.2	14.0	12.6	11.5	10.8	12.6
HAI	-	11.2	14.5	12.8	12.8	12.5	11.5	-	12.6
NASIRIYA	13.0	11.9	13.0	11.6	11.8	11.5	13.1	12.8	12.4
BASRAH	21.1	19.9	22.5	22.6	22.5	24.1	23.9	23.4	22.6
HABBANIYA	12.7	12.6	14.2	14.5	12.7	13.5	12.5	13.3	13.4
DIWANIYA	12.8	13.0	15.2	15.3	14.4	15.2	14.7	13.7	14.3

TABLE-10

المعدل الشهري لدرجة الندى (سنغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.2	8.4	10.0	8.5	6.3	8.3	10.9	9.2	8.9
MOSUL	11.9	12.0	14.0	15.3	14.8	14.2	12.8	11.9	13.4
KIRKUK	7.4	7.4	9.7	7.2	5.4	4.5	7.3	7.0	7.0
RUTBAH	8.7	10.2	11.1	11.7	11.5	9.9	8.7	7.7	9.9
HAI	-	7.8	12.3	10.4	10.3	10.1	8.9	-	10.0
NASIRIYA	10.4	9.3	10.5	8.8	8.9	12.4	12.9	11.6	10.6
BASRAH	18.2	17.2	19.1	19.1	19.0	20.3	20.7	19.8	19.2
HABBANIYA	10.4	9.8	11.8	11.9	9.9	11.1	11.2	10.4	10.8
DIWANIYA	10.5	10.6	13.0	12.9	12.1	12.8	12.4	11.4	12.0

TABLE-11

المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.0	0.3	0.3	0.4	0.3	0.3	0.2
MOSUL	0.1	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.1
KIRKUK	0.2	0.2	0.3	0.1	0.3	0.0	0.0	0.0	0.1
KHANAQIN	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0
RUTBAH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HAI	-	0.0	0.0	0.0	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	0.3	0.2	0.0	0.1
HABBANIYA	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.1
DIWANIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE-12

المعدل الشهري لكمية الغيوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD (OKTAS)

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

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BLE-13-a

عدد مرات رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V. K.
بغداد	0000	6	2	1	0	0	0	4	11	7	22	2	0	0	5
	0300	8	2	0	0	0	0	3	13	5	25	1	0	0	5
	0600	3	1	0	0	1	0	4	20	2	25	4	0	0	6
	0900	5	0	0	0	1	0	4	20	1	23	7	0	0	9
GHDAD	1200	5	0	0	0	1	0	7	18	0	18	13	0	0	10
	1500	5	0	1	0	1	0	10	13	1	25	5	0	0	7
	1800	2	0	1	0	0	0	8	13	7	24	0	0	0	5
	2100	5	2	1	0	0	0	4	12	7	22	2	0	0	5
	TOTAL	39	7	4	0	4	0	44	120	30	184	34	0	0	6
موصل	0000	3	0	0	0	1	2	18	5	2	19	10	0	0	9
	0300	4	1	0	0	1	0	15	9	1	23	7	0	0	7
	0600	5	2	4	0	1	0	9	8	2	22	6	1	0	7
	0900	7	0	2	7	0	2	11	1	1	23	6	1	0	6
SUL	1200	2	2	2	2	2	2	11	6	2	18	10	1	0	10
	1500	1	0	0	1	2	3	15	6	3	19	8	1	0	8
	1800	3	0	0	1	2	5	17	2	1	17	13	0	0	10
	2100	5	1	1	0	0	1	18	4	1	21	9	0	0	9
	TOTAL	30	6	9	11	9	15	114	41	13	162	69	4	0	9
كركوك	0000	0	4	3	0	0	0	0	1	23	8	0	0	0	1
	0300	1	6	1	0	0	0	0	0	23	8	0	0	0	1
	0600	3	2	2	6	4	2	1	1	10	20	1	0	0	5
	0900	3	1	0	2	2	9	10	1	3	25	3	0	0	8
RKUK	1200	0	1	0	0	3	6	13	2	2	23	4	2	0	7
	1500	1	0	0	0	2	7	19	0	2	25	4	0	0	7
	1800	1	0	1	0	0	1	6	1	21	9	1	0	0	4
	2100	2	4	2	0	0	1	1	2	19	12	0	0	0	2
	TOTAL	11	17	9	8	11	26	55	8	103	130	13	2	0	4
رطبة	0000	2	0	0	0	0	2	4	15	8	13	10	0	0	6
	0300	2	0	0	0	0	0	5	14	10	14	7	0	0	7
	0600	10	1	1	1	0	0	1	15	2	14	14	1	0	11
	0900	8	0	1	3	1	2	2	13	1	12	18	0	0	12
TBAH	1200	4	0	1	1	2	2	5	14	2	10	18	1	0	12
	1500	10	1	0	2	0	0	7	11	0	14	17	0	0	11
	1800	11	2	2	0	0	0	3	11	2	26	3	0	0	6
	2100	5	1	0	0	0	2	2	10	11	16	4	0	0	5
	TOTAL	52	5	5	7	3	8	29	103	36	119	91	0	0	9
خانقين	0300	0	0	14	0	3	0	1	0	13	18	0	0	0	2
	0600	1	0	3	0	3	0	3	3	18	13	0	0	0	2
	0900	3	0	0	0	5	0	14	5	4	26	1	0	0	5
	1200	1	0	0	0	6	0	19	5	0	31	0	0	0	7
ANAQIN	1500	0	0	0	0	1	0	15	7	8	23	0	0	0	4
	1800	0	0	0	0	2	0	6	1	22	9	0	0	0	1
	TOTAL	5	0	17	0	20	0	58	21	65	120	1	0	0	4

UGUST 1960 — آب ١٩٦٠

BLE 13-b

عدد تكرار رصدات الرياح السطحية

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

المحطة STATION	الوقت GMT. TIME	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد					معدل السرعة MEAN V.K.
		N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	
حي KHAI	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	2	0	0	0	1	0	9	17	2	25	4	0	0	7
	0600	3	0	0	0	1	0	4	19	4	16	10	1	0	9
	0900	1	0	0	1	1	1	3	21	3	7	13	8	0	15
	1200	2	0	0	0	1	1	5	19	3	5	17	6	0	14
	1500	1	0	0	0	0	0	7	17	6	13	12	0	0	9
	1800	2	0	0	0	0	0	5	19	5	19	7	0	0	8
	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	11	0	0	1	4	2	33	112	23	85	63	15	0	10
ظاهرية ADIRIYA	0000	7	1	0	0	0	1	15	6	1	23	7	0	0	8
	0300	5	0	0	0	2	2	3	19	0	29	2	0	0	7
	0600	4	0	0	0	0	0	14	13	0	22	9	0	0	10
	0900	2	0	0	0	0	1	6	22	0	17	14	0	0	11
	1200	3	1	1	0	0	0	10	16	0	15	16	0	0	11
	1500	5	0	1	0	0	0	12	13	0	26	5	0	0	8
	1800	4	0	1	0	0	1	7	17	1	30	0	0	0	6
	2100	6	0	0	1	0	0	14	10	0	26	5	0	0	8
	TOTAL	36	2	3	1	2	5	81	116	2	188	58	0	0	9
بصرة ASRAH	0000	3	0	0	0	0	1	7	14	6	23	2	0	0	5
	0300	2	0	0	0	0	0	8	13	8	22	1	0	0	4
	0600	6	0	0	0	1	0	3	18	3	22	6	0	0	7
	0900	1	0	0	0	0	0	3	26	1	13	17	0	0	10
	1200	0	0	0	0	0	0	1	29	1	15	15	0	0	10
	1500	1	0	0	0	0	0	2	24	4	23	4	0	0	6
	1800	1	0	0	0	1	0	1	21	7	19	5	0	0	5
	2100	4	0	0	0	1	1	4	16	5	20	6	0	0	6
	TOTAL	18	0	0	0	3	2	29	161	35	157	56	0	0	7
حبانية ABBANIYA	0000	3	0	0	0	0	0	5	13	10	17	4	0	0	4
	0300	1	0	1	0	0	0	6	14	9	18	4	0	0	5
	0600	1	1	0	0	1	0	9	8	1	20	10	0	0	9
	0900	3	1	1	0	0	1	10	14	1	18	9	3	0	10
	1200	0	1	0	0	2	1	15	11	2	14	14	1	0	10
	1500	1	0	1	0	1	0	13	10	4	25	2	0	0	6
	1800	2	1	1	0	0	0	12	4	11	17	3	0	0	4
	2100	6	0	0	0	0	0	11	2	12	17	2	0	0	4
	TOTAL	17	3	4	0	4	2	81	76	50	146	48	4	0	7
دیوانیة DIWANIYA	0000	5	1	0	0	2	0	20	3	0	27	4	0	0	7
	0300	4	0	0	0	1	1	21	4	0	31	0	0	0	6
	0600	8	0	0	0	2	0	15	6	0	20	11	0	0	9
	0900	8	0	0	0	0	0	10	13	0	16	15	0	0	10
	1200	12	0	1	0	0	0	6	12	0	15	16	0	0	10
	1500	12	0	0	0	0	0	3	11	5	23	3	0	0	6
	1800	9	1	1	0	0	0	9	5	6	23	2	0	0	5
	2100	9	0	1	0	1	1	15	1	3	23	5	0	0	6
	TOTAL	67	2	3	0	6	2	99	55	14	178	56	0	0	7

AUGUST 1960.

TABLE-14

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MILLIMETERS) tr. < 0.05mm

التاريخ	بغداد	موصل	كركوك	خانقين	رطبة	ش.	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	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		tr.	tr.							
30										
31										
TOTAL	0.0	tr.	tr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECORDS OF RAINFALL : المقاييس الماضية :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	tr.	7	1942
MOSUL	0.2	5	1954
KIRKUK	0.2	10	1956
KHANAQIN	1.9	23	1938
RUTBAH	tr.	30	1957
HAI	0.0	-	-
DIWANIYA	0.5	11	1940
NASIRIYA	0.0	-	-
BASRAH	tr.	23	1952
HABBANIYA	tr.	10	1956

TABLE 15.

CLIMATOLOGICAL SUMMARY : الخلاصات المناخية :

No. OF CASES OF PHENOMENAS : عدد الأيام التي حدثت فيها الظواهر الجوية

المحطة	مطر	ثلج	برد	زوبعة رعدية	ضباب	غبار	السماء صافية	السماء غائمة	صقيع
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	CLOUDY	GROUND FROST
BAGHDAD	0	0	0	0	0	6	30	0	0
MOSUL	0	0	0	0	0	1	30	0	0
KIRKUK	0	0	0	0	0	1	29	0	0
KHANAQIN	0	0	0	0	0	0	31	0	0
RUTBAH	0	0	0	0	0	0	31	0	0
HAI	0	0	0	0	0	0	31	0	0
NASIRIYA	0	0	0	0	0	1	30	0	0
BASRAH	0	0	0	0	0	2	31	0	0
HABBANIYA	0	0	0	0	0	0	31	0	0
DIWANIYA	0	0	0	0	0	0	31	0	0

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة	المجموع الشهري لسطوع الشمس	اكبر يوم لسطوع الشمس		عدد الايام التي لم يظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	DATE	No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	345.8	12.9	28	0
MOSUL	357.4	12.5	6&19	0
BASRAH	293.7	12.0	9&29	2
HABBANIYA	354.6	12.9	9	0

TABLE 17.

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

	حرارة الحشيش	حرارة التربة	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURE 0.3 M	1.2 M
BAGHDAD	23.9	34.6	30.3
MOSUL	....	35.1	32.2
KIRKUK	17.8	31.5	29.7
HAI	20.3	....	....
BASRAH	19.9	....	....
HABBANIYA	22.0	33.3	30.8

Table 1(a) — AEROLOGICAL OBSERVATION SUMMARY TABLES AT 0000 GMT — Month: August 1957

Date	$P_0 P_1 P_2 P_M P_H$	ww	1000 mbs. hhh	1000 mbs. TT	1000 mbs. Td	1000 mbs. dd	1000 mbs. ff	850 mbs. HHH	850 mbs. TT	850 mbs. Td	850 mbs. dd	850 mbs. ff	700 mbs. HHH	700 mbs. TT	700 mbs. Td	700 mbs. dd	700 mbs. ff	600 mbs. HHH	600 mbs. TT	600 mbs. Td	600 mbs. dd
1	00900	02	207	971	32	07	30	10	522	-	-	-	-	421	30	04	-	-	109	15	54	-	-	385	03	61	-
2	00900	02	806	983	27	11	30	01	511	-	-	-	-	437	27	14	-	-	112	15	03	-	-	396	06	62	-
3	00900	02	706	982	34	10	34	14	513	-	-	-	-	437	27	08	-	-	130	20	04	-	-	430	08	61	-
4	00900	02	705	003	28	11	00	00	507	-	-	-	-	445	25	10	-	-	107	14	55	-	-	389	07	66	-
5	00900	02	603	006	29	10	30	05	007	-	-	-	-	459	27	10	-	-	125	13	58	-	-	398	05	71	-
6	00900	02	707	984	30	12	31	05	514	-	-	-	-	439	27	10	-	-	105	13	53	-	-	381	06	63	-
7	00900	02	701	966	27	08	29	06	553	-	-	-	-	429	28	09	-	-	106	15	78	-	-	387	06	62	-
8	00900	02	801	969	27	09	00	00	523	-	-	-	-	427	27	51	-	-	100	14	55	-	-	375	05	64	-
9	00900	02	400	985	29	10	36	02	512	-	-	-	-	449	28	05	-	-	120	12	57	-	-	388	04	68	-
10	00900	02	704	998	35	06	35	08	502	-	-	-	-	464	28	07	-	-	130	14	53	-	-	418	09	53	-
11	00900	02	712	971	32	07	32	07	524	-	-	-	-	445	27	10	-	-	130	20	56	-	-	433	10	54	-
12	00900	02	708	972	30	09	32	08	519	-	-	-	-	434	26	06	-	-	111	19	59	-	-	410	10	57	-
13	00900	02	102	995	29	11	32	08	516	-	-	-	-	433	26	11	-	-	113	17	51	-	-	405	06	60	-
14	00900	02	802	986	30	06	30	10	528	-	-	-	-	435	31	05	-	-	138	20	56	-	-	436	10	62	-
15	00900	02	205	958	30	12	33	03	539	-	-	-	-	433	30	08	-	-	128	19	56	-	-	428	10	53	-
16	00900	02	706	982	29	09	00	00	528	-	-	-	-	432	30	06	-	-	112	14	01	-	-	397	06	62	-
17	00900	02	611	996	32	06	00	00	535	-	-	-	-	434	30	02	-	-	119	15	56	-	-	397	07	63	-
18	00900	02	802	989	28	12	00	00	516	-	-	-	-	434	29	02	-	-	112	14	53	-	-	387	06	64	-
19	00900	02	400	996	28	15	00	00	502	-	-	-	-	456	27	00	-	-	122	11	57	-	-	386	04	68	-
20	00900	02	606	995	33	06	03	08	505	-	-	-	-	464	31	05	-	-	150	16	59	-	-	434	05	66	-
21	00900	02	710	991	34	08	01	08	502	-	-	-	-	460	30	10	-	-	147	17	01	-	-	434	06	56	-
22	00900	02	714	987	33	07	30	05	511	-	-	-	-	465	30	07	-	-	153	15	53	-	-	430	04	61	-
23	00900	02	400	982	29	08	29	07	510	-	-	-	-	438	26	09	-	-	103	12	53	-	-	373	05	62	-
24	00900	02	503	017	29	12	01	08	016	-	-	-	-	460	25	05	-	-	121	13	60	-	-	396	05	69	-
25	00900	02	701	061	27	04	36	08	055	29	10	-	-	477	20	02	-	-	119	12	58	-	-	388	04	66	-
26	00900	02	713	037	22	01	29	10	034	22	03	-	-	454	20	55	-	-	100	13	66	-	-	376	06	74	-
27	00900	02	707	999	29	08	30	07	003	-	-	-	-	440	23	04	-	-	095	13	56	-	-	372	06	65	-
28	00900	02	601	022	26	05	27	04	016	-	-	-	-	455	22	53	-	-	105	12	62	-	-	375	04	68	-
29	00900	00	605	030	28	05	08	08	025	-	-	-	-	459	23	03	-	-	114	10	54	-	-	374	02	67	-
30	20930	02	702	004	27	08	00	00	004	-	-	-	-	453	26	06	-	-	116	12	54	-	-	378	51	59	-
31	00900	02	400	042	29	04	03	12	043	29	07	-	-	487	25	05	-	-	144	12	54	-	-	404	51	62	-

NOTE: THE SIGN (-) MEANS NOT AVAILABLE OR NO RECORD .

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (0000 G.M.T.) AT BAGHDAD AIRPORT

DATE	500 mbs., HHH	TT	Td	dd	ff	400 mbs., HHH	TT	Td	dd	ff	300 mbs., HHH	TT	Td	dd	ff	200 mbs., HHH	TT	Td	dd	ff	150 mbs., HHH	TT	Td	dd	ff
1	584	54	73	-	-	757	64	83	-	-	970	76	93	-	-	251	95	10	-	-	438	04	21	-	-
2	586	55	72	-	-	757	67	85	-	-	970	76	92	-	-	251	95	08	-	-	438	08	19	-	-
3	589	56	80			760	65	57			972	71	95			254	95	13			442	09			
4	585	53	76			758	63	86			973	74	95			257	94	12			445	06			
5	585	54	73			757	62	84			972	75	96			254	92	09			438	13			
6	584	54	72			757	64	80			970	76	92			251	96	09			438	06	18		
7	585	54	73			757	67	85			967	79	95			247	95	11			435	07	19		
8	583	55	76			754	66	88			965	79	00			245	96	12			432	07			
9	584	57	79			755	64	88			968	76	99			251	93	13			439	06			
10	589	73	74			761	66	85			972	78	96			251	97	11			435	10			
11	592	50	72			766	61	87			981	74	88			254	95	12			431	07			
12	589	01	76			754	62	85			968	75	97			251	95	14			436	09			
13	588	52	68			762	61	75			977	77	86			257	97	04			442	09	15		
14	592	50	74			767	61	82			980	78	97			260	97	10			445	10			
15	591	52	62			764	63	72			977	77	87			259	92	02			450	03	11		
16	587	52	78			760	65	86			971	80	98			248	98	12			433	08			
17	586	53	77			759	65	90			970	80	01			247	99	16			432	09			
18	585	53	74			759	64	86			970	80	97			244	97	11			405	07	20		
19	584	55	79			754	70	91			961	85	02			236	00	15			419	11			
20	589	54	77			761	67	88			971	80	99			260	96	12			435	12			
21	589	56	66			760	68	78			971	78	89			250	96	05			438	03	12		
22	589	53	71			762	63	79			976	76	92			257	95	08			440	08	19		
23	584	54	71			756	65	83			976	81	95			243	01	12			424	12			
24	586	53	76			759	65	84			970	78	94			250	97	11			434	10			
25	584	56	74			755	66	83			966	80	95			254	97	11			430	09			
26	583	55	82			754	62	84			969	81	01			242	97	15			428	06			
27	583	54	75			764	66	81			975	78	98			255	96	12			442	07			
28	583	57	78			752	69	89			962	80	02			238	00	12							
29	581	61	79			750	68	84			960	81	97			237	98	13							
30	580	59	70			751	67	82			962	78	93			240	01	12			422	12			
31	583	59	71			754	67	80			964	81	94			239	01	12			421	13			

TABLE -19-a BAGHDAD AIRPORT. Month: August 1960.

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	1/1	1/1													5
>200 -500M																									
>500 -1000M				1		1	1	1		1	1	1	1	1	1	1/1	1/1	1	1	1	1				16
>1000 -1500M				1	2		1		1				1	1	2	1		1							11
>1500 -3000M			1	4	3	3	3	3	2	1		2	2	1		2	2	3	1	1	1				35
>3 -5KM			2	1	1	2	1		1	1	3	1			1	3	7	2				2	1		29
>5 -10KM		1	2	7	8	7	3	3	3	5	3	4	4	7	7	7	15	20	7	1					114
>10 -15KM	6	6	10	13	7	9	8	7	6	4	7	9	9	6	7	9	3	3	14	13	7	5	7	8	183
>15	25	24	16	4	10	9	14	16	17	18	16	13	14	15	13	8	3	1	8	15	22	24	23	23	351
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 -150																									
>150 -300																									
>300 -500																									
>500 -900																									
>900	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

TABLE 19-b

BASRAH AIRPORT.

Month: August 1960

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	1/1	1/1	1/1	1/1	1/1									6
>500 -1000M									2/2	2/2	1/1						2/2	1/1							8
>1000 -1500M				1/1	1/1	2/2		2/2	2/2	1/1	1/1	1/1	1/1		1/1	1/1		1/1	1/1						16
>1500 -3000M	1/1	2/2	2/2	1/1	1/1		4/4	3/3	1/1	1/1		1/1	2/2	3/3	2/2	5/5	7/7	4/4	3/3	5/5	4/4	1/1	1/1		54
>3 -5KM	1/1		1/1	1/1	2/3	3/3			1/1	1/1	7/7	6/6	3/3	4/4	4/4	3/3	3/3	3/3	1/1	1/1	1/1	3/3	1/1	1/1	52
>5 -10KM	2/3	2/3	3/5	5/7	4/5	6/6	6/8	4/8	3/5	8/10	5/6	6/7	8/10	7/7	9/10	9/11	5/7	6/6	9/9	3/5	2/3	3/4	3/5	3/5	155
>10 -15KM	6	6	6	7	5	7	5	4	6	7	6	6	8	10	6	5	3	5	3	4	6	3	5	6	135
>15	20	20	17	14	16	13	14	14	14	9	9	9	6	6	7	5	9	11	14	16	17	10	19	19	318
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 number s the firs t one giv- es the ca- ses with dust in the air . the second number shows the total.

Frequency of different heights of cloud-base (amount 5 - 8)
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	1								3
>50 -150																									
>150 -300																									
>300 -500																									
>500 -900																									
>900																									

TABLE 20-a BAGHDAD AIRPORT Month: August 1960

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≤ 5 Okta)

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		4	3		1	1		7	3	6	13	8	25	4	14	31	31	31			
>900	1						1	1	1		1	1	1	2	2	1		3	5	4	7	4	9	9	18	14	8	31	31	31			
AND =5/8			1				1		6			4	1		13		2	8	7		33	14	5	68	8	24	115	31	31	248		
								1	1			1		4	3		1	1		7	3	6	13	8	25	4	14	31	31	31		
TOTAL	1						1	1	1		1	1	1	2	2	1		3	5	4	7	4	9	9	18	14	8	31	31	31		
			1				1		6			4	1		13		2	8	7		33	14	5	68	8	24	115	31	31	248		

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

00 03 06
09 12 15 GMT
18 21 To

To=Total for all hours

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

TABLE 20-D

BASRAH AIRPORT

Month: August 1969

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																															
(5/8 OR *										1			1	1	4	1	1		3	7	8	6	7	5	20	14	14	31	31	31		
) 900					1		2			1	1	1	1	2	5	1	3	3	10	10	11	7	8	5	9	6	5	31	31	30		
AND =5/8						1			2	1		5	3	1	18	1	3	13	9	4	62	3	3	44	14	20	102	31	31	247		
											1		1	1	4	1	1		3	7	8	6	7	5	20	14	14	31	31	31		
TOTAL					1	1	2			1	1	1	1	2	5	1	3	3	10	10	11	7	8	5	9	6	5	31	31	31		
						2			2	1		5	3	1	18	1	3	13	9	4	62	3	3	44	14	20	102	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 GMT.
18	21	To

To= Total for all hours

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

الجمهورية العراقية

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شعبة المناخ

CLIMATOLOGICAL SECTION

تقرير المناخ الشهرى

Monthly Climatological Data

No. 9
Vol. 23
Month September
Year 1960

العـــدد ٩
مجلد ٢٣
الشهر ايلول
السنة ١٩٦٠

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

مديرية الانواء الجوية

شعبة المناخ

بغداد

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MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية لشهر ايلول ١٩٦٠

Monthly Climatological Data for

SEPTEMBER 1 9 6 0 .

مجلد ٢٣ ، عدد (٩) ايلول ١٩٦٠

VOLUME 23, No.,(9) September 1960

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" " للضغط الجوي على سطح البحر

" " للرطوبة النسبية

درجات الحرارة العظمى والصغرى اليومية وقراءاتها

المعدل الشهري لدرجات الحرارة للبصلة الجافة

" " " " الرطبة

" " للضغط الجوي على سطح البحر

" " للرطوبة النسبية

" " لضغط البخار

" " لدرجة الندى

" " للغيوم الواطئة

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عدد تكرار رصدات الرياح السطحية

الهطول اليومي ومقابيسه الماضية

الملخصات المناخية

مدة سطوع الشمس

المعدل الشهري لدرجات حرارة التربة والحشائش

رصدات الراديسوند في بغداد

تذبذبات كل من مدى الرؤيا وارتفاع الغيوم في بغداد والبصرة

احصائيات مزدوجة لمدى الرؤيا ولقاعدة الغيوم في بغداد والبصرة

لمحة عامة عن التقرير الشهري لشهر ايلول ١٩٦٠

ساد العراق جو صغير في الايام التسعة الاولى من الشهر بسبب
حول سلسلة من الانخفاضات الجوية المتولدة شرقي البحر المتوسط
لكنه اقتصر في اكثر الحالات على المنطقة الوسطى وبعض الاحيان
على مناطق اخرى وفي الفترة من ١٠ لغاية ١٥ منه كان الجو
مستقرا ثم في ١٦ منه تصاعد غبار محلي عام استمر يومي
١٧ ، ١٨ منه في المنطقتين الوسطى والشمالية اعقب ذلك فترة
استقرار امتدت الى نهاية الشهر .

General Situation of SEPTEMBER 1960 .

Rising dust occurred during the first nine days, owing to successive low pressure centers coming from East Mediterranean Sea mainly in Central areas occasionaly spread over other areas. From the 10th to 15th of the month the weather was settled. On the 16th another dust period started over all areas continued on 17th and 18th over Northern and Central areas followed by settled weather towards the end of the month .

SEPTEMBER 1960

TABLE - 1

MEAN DAILY TEMPERATURES (°C) OF 8 OBSERVATIONS

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NAJA-FIYA	BASRAH	HABBA-NIYA
1	33.5	28.6	30.9	28.6	34.1	31.7	32.9	33.2	31.5
2	34.0	29.9	32.3	29.5	35.1	31.3	34.9	31.9	34.2
3	33.4	30.4	33.6	29.7	35.0	30.1	32.1	31.2	34.6
4	34.2	29.8	33.2	30.2	33.8	32.1	33.1	30.7	32.2
5	34.2	29.7	34.2	29.4	34.8	31.9	34.8	29.8	32.8
6	33.5	33.1	35.3	29.9	34.7	31.4	32.4	33.4	32.0
7	32.1	31.9	34.1	30.3	34.5	31.0	33.6	34.4	34.3
8	33.2	30.7	34.6	30.4	34.3	31.4	33.6	36.7	30.7
9	34.5	31.9	34.8	30.6	34.8	32.5	34.1	34.2	32.6
10	34.6	31.6	35.6	25.4	35.3	32.4	34.4	34.2	33.6
11	34.3	32.2	36.1	30.0	34.1	32.4	33.5	34.8	31.7
12	33.6	29.6	34.2	29.1	34.7	32.6	35.3	36.3	31.2
13	33.6	29.6	33.2	28.8	33.9	32.1	35.3	36.3	34.2
14	35.2	29.2	33.6	28.0	34.8	34.2	35.2	32.7	33.0
15	35.4	30.5	34.8	27.3	35.1	34.0	35.2	35.5	32.6
16	33.9	30.7	30.2	26.5	35.2	31.6	34.5	31.4	31.9
17	32.8	27.5	29.5	26.3	34.0	30.8	32.1	32.1	29.7
18	32.1	26.0	28.9	26.4	33.7	31.0	32.2	30.6	29.8
19	31.7	26.6	29.4	27.3	33.4	32.0	32.6	30.8	30.6
20	33.2	25.8	29.9	27.7	33.6	31.7	32.9	31.8	31.9
21	31.7	24.5	29.2	27.4	33.8	31.7	33.6	32.2	29.2
22	30.3	24.0	28.6	25.6	32.3	29.5	32.0	31.0	28.1
23	30.4	25.7	28.8	24.4	31.4	28.9	30.3	34.5	27.2
24	30.6	23.5	28.1	25.0	32.2	28.7	31.5	29.5	27.8
25	31.8	24.8	28.9	23.9	32.3	30.0	31.0	29.9	28.1
26	31.1	26.2	27.8	24.6	32.6	29.9	31.5	30.7	29.8
27	30.5	25.3	27.0	23.7	32.4	29.5	35.3	30.6	28.1
28	29.4	23.6	25.7	22.0	31.0	26.3	30.5	31.1	27.9
29	27.5	24.4	25.3	22.4	28.6	26.8	27.4	28.8	25.8
30	27.2	25.1	26.6	23.1	28.0	25.6	27.1	27.4	25.7
MEANS	32.5	28.0	31.1	27.3	33.4	31.0	32.8	32.3	30.4

SEPTEMBER 1960. ايلول ١٩٦٠

TABLE - 2

المعدل اليومي للضغط الجوي على سطح البحر (بالملبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	05.2	06.7	05.1	07.5	02.9	04.9	03.8	02.2	06.1
2	02.7	04.1	02.7	05.6	00.1	02.7	01.4	99.4	04.0
3	99.9	01.6	99.7	03.2	98.8	00.5	99.8	98.8	00.9
4	00.6	01.6	00.4	01.5	00.2	00.9	00.7	00.5	01.2
5	01.9	02.6	02.0	02.1	01.8	02.2	02.3	02.2	01.7
6	02.0	03.5	02.3	02.4	02.5	02.9	03.4	03.5	01.9
7	01.0	03.4	02.3	02.9	01.8	01.9	02.4	02.5	01.1
8	02.3	04.5	03.0	04.0	01.8	02.3	02.3	02.9	02.7
9	04.4	05.8	04.6	06.4	02.9	03.9	03.2	03.0	04.9
10	04.4	06.3	04.5	07.7	02.8	04.3	03.5	02.9	05.3
11	04.4	05.6	04.1	06.8	02.9	04.1	03.9	03.2	05.0
12	04.5	05.2	04.6	06.6	03.6	04.6	03.9	03.9	05.1
13	04.9	06.4	05.4	06.6	03.8	04.4	03.7	04.2	05.3
14	05.1	07.1	06.2	05.9	03.7	04.7	04.3	04.3	05.5
15	04.3	06.1	04.7	06.5	02.4	04.3	03.7	02.9	05.0
16	04.8	07.2	05.8	08.2	02.3	04.4	02.9	02.9	06.0
17	07.2	08.7	07.9	09.3	04.4	06.8	05.1	03.7	08.2
18	09.2	11.2	10.4	10.4	06.6	08.8	07.2	05.9	08.7
19	09.4	11.4	10.4	09.3	08.0	08.8	08.5	07.7	09.7
20	07.7	10.8	09.3	08.8	06.1	06.9	06.9	06.7	08.1
21	07.3	09.0	07.7	08.0	05.5	05.6	05.8	05.0	07.6
22	07.0	08.4	07.6	08.2	05.7	06.7	06.2	05.8	07.4
23	09.1	10.7	09.8	10.2	07.7	08.7	08.3	07.6	09.8
24	08.9	11.2	09.7	10.0	07.0	08.5	07.7	06.8	09.4
25	08.9	10.9	09.7	10.6	07.9	08.5	08.4	07.7	09.3
26	09.3	11.5	10.5	11.2	07.4	08.5	08.4	07.3	10.0
27	08.6	10.9	09.9	10.7	06.7	08.0	07.0	06.1	09.2
28	08.8	11.0	09.7	11.5	06.6	08.0	06.9	06.2	09.5
29	10.4	11.4	10.2	12.4	08.9	10.8	09.7	09.1	11.1
30	11.6	12.0	11.1	12.9	10.5	11.9	11.2	10.5	12.2
MEANS	1005.9	1007.6	1006.4	1007.5	1004.4	1005.6	1004.2	1004.5	1006.1

SEPTEMBER 1960.

أيلول ١٩٦٠

TABLE 3

المعدل اليومي للرطوبة النسبية (٪)

MEAN DAILY RELATIVE HUMIDITY (٪) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حمارية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HAMRA-NIYA
1	18	41	18	24	22	25	20	35	32
2	14	38	19	27	19	22	19	45	28
3	18	40	17	23	20	26	19	46	21
4	23	40	16	21	23	26	20	41	23
5	28	45	14	38	24	34	25	47	25
6	27	35	15	44	23	31	26	42	25
7	26	41	17	32	22	28	29	44	31
8	26	45	17	30	27	31	31	51	32
9	23	41	20	23	28	28	32	44	27
10	22	39	17	27	26	29	27	49	21
11	25	37	16	28	25	31	28	44	28
12	24	40	18	20	24	29	26	47	30
13	28	41	17	29	28	21	29	66	32
14	20	44	18	33	25	26	35	64	31
15	24	40	14	42	19	25	19	47	27
16	24	37	20	43	20	32	22	57	31
17	24	45	23	31	23	34	29	55	34
18	29	52	29	41	25	36	32	57	39
19	33	45	28	41	25	33	33	62	39
20	26	46	26	35	27	33	30	47	30
21	28	52	19	32	24	30	24	50	36
22	29	48	18	38	25	36	26	57	37
23	29	44	18	35	23	36	25	72	38
24	28	53	22	33	21	33	20	61	37
25	26	45	21	38	22	33	26	46	37
26	26	44	24	47	24	33	26	58	32
27	28	48	36	53	26	34	24	48	39
28	31	54	38	48	30	38	32	52	35
29	34	54	32	42	31	41	34	58	41
30	31	50	29	44	32	40	34	61	37
MEANS	26	44	21	35	24	31	27	52	32

SEPTEMBER 1960. ايلول ١٩٦٠

TABLE - 4-a درجات الحرارة العظمى والصغرى اليومية (مقفراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	بغداد		موصل		كركوك		خانقين		وطبة	
	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	41.5	21.3	40.6	17.1	38.8	21.6	39.4	19.4	38.4	17.8
2	42.4	24.3	42.6	17.8	40.0	23.7	41.1	22.8	39.6	18.7
3	43.5	24.3	43.4	18.0	41.9	25.8	42.2	20.6	39.4	18.4
4	45.0	22.8	41.7	18.2	41.7	24.6	41.7	20.6	41.0	18.8
5	43.6	23.9	44.1	16.3	43.7	25.4	43.3	23.3	36.8	20.8
6	42.0	23.8	43.0	23.0	43.7	29.4	42.2	24.0	37.0	23.0
7	41.2	24.2	42.8	22.5	41.6	27.8	41.1	26.1	37.3	24.0
8	43.0	24.3	43.1	19.0	43.4	28.7	41.2	23.3	37.6	23.0
9	43.7	27.0	44.3	21.6	42.7	26.7	42.2	23.3	38.6	22.3
10	43.6	25.0	45.0	20.0	43.6	27.1	43.5	23.3	39.6	18.3
11	45.7	23.2	45.7	19.5	44.6	27.1	44.5	23.9	39.1	19.0
12	44.8	22.6	44.1	17.6	44.5	24.8	43.5	23.3	40.0	17.6
13	43.8	23.9	42.6	17.3	42.0	23.9	42.2	21.7	37.8	18.8
14	44.3	27.7	43.6	17.6	42.2	24.3	42.2	20.6	39.0	17.5
15	45.5	26.5	43.9	15.6	42.9	26.8	43.3	20.6	35.3	19.4
16	41.9	25.2	39.4	23.8	39.3	22.8	42.2	21.7	34.6	18.9
17	39.3	25.3	38.5	16.7	37.0	22.3	39.0	19.4	33.4	18.8
18	39.4	26.0	35.4	15.2	34.7	22.4	38.0	19.4	35.5	17.6
19	39.0	24.2	36.8	15.0	35.7	22.8	37.2	19.4	35.1	18.4
20	40.7	26.5	36.2	14.7	36.6	23.4	38.5	22.8	35.7	19.2
21	38.9	24.2	37.2	13.6	36.6	23.1	37.8	18.9	37.2	17.0
22	40.0	20.9	37.4	13.1	36.7	19.8	36.7	18.9	34.5	16.7
23	40.1	20.5	37.2	13.2	36.3	20.3	36.7	16.7	34.5	14.2
24	38.8	21.0	36.1	13.2	36.2	19.1	37.2	17.2	35.0	14.5
25	41.5	21.2	37.2	12.9	38.5	21.7	38.3	16.7	31.4	17.2
26	38.4	23.7	35.2	13.4	36.4	20.1	38.0	18.3	33.3	15.5
27	38.0	22.8	33.7	15.0	33.8	19.8	36.6	18.9	31.6	16.5
28	36.2	24.0	33.3	14.7	32.4	19.2	34.7	18.3	28.3	14.8
29	34.7	19.6	35.0	14.2	33.3	17.6	33.5	16.1	30.6	14.8
30	35.8	18.8	36.0	13.8	35.4	18.0	34.2	16.1	32.4	13.2
MEANS	41.2	23.6	39.8	16.8	39.2	23.3	39.7	20.5	35.9	18.5

RECORDS OF TEMPERATURES : القراءات الماضية :

STATION	HIGHEST MAX.C.	DATE	YEAR	LOWEST MIN.C.	DATE	YEAR
BAGHDAD	46.6	2&6	1945	10.5	30	1938
MOSUL	47.2	?	1935	6.9	26	1956
KIRKUK	46.1	2	1945	9.4	30	1938
KHANAQIN	48.4	5&6	1938	10.6	30	1938
RUTBAH	45.0	3	1925	8.9	21	1936

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TABLE -4- b — درجات الحرارة العظمى والصغرى اليومية

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

التاريخ	حيت HAI		ديوانية DIWANIYA		ناصرية NASIRIYA		بصرة BASRAH		حبانية HABBANIYA	
DATE	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.	عظمى MAX.	صغرى MIN.
1	39.6	25.6	39.8	22.0	41.3	25.8	42.7	25.6	40.7	20.9
2	42.2	27.2	40.0	21.5	39.6	23.6	45.1	26.6	41.1	21.1
3	42.3	23.4	40.6	15.0	42.6	22.2	39.1	20.7	42.2	20.9
4	41.7	21.0	42.4	20.8	44.0	21.4	40.1	20.6	44.7	22.0
5	44.4	22.3	42.2	22.2	46.2	23.5	42.7	23.2	42.4	22.4
6	43.2	23.4	41.6	21.4	44.6	21.7	45.1	21.1	44.1	22.2
7	43.5	20.7	43.2	19.5	43.7	22.4	45.2	22.2	40.8	23.4
8	43.5	24.2	42.6	20.4	43.2	25.2	42.6	23.1	41.4	21.6
9	43.6	23.1	41.6	23.4	44.1	24.1	44.3	24.6	43.0	23.0
10	44.8	23.0	42.0	22.6	46.3	25.6	44.6	25.0	43.6	24.0
11	45.0	24.8	43.2	23.8	45.9	26.0	45.1	25.8	43.6	22.8
12	45.8	25.6	43.0	22.6	46.2	23.9	44.7	25.2	42.6	21.6
13	44.0	22.6	44.6	22.6	45.6	25.0	43.3	25.0	44.0	20.9
14	43.5	24.0	45.8	25.0	46.2	27.4	44.0	26.7	43.8	24.4
15	44.0	22.6	42.8	21.5	45.3	25.8	43.7	24.3	43.8	21.5
16	44.0	21.6	40.8	21.0	45.6	27.0	44.8	27.7	38.6	24.4
17	40.4	26.8	38.0	24.8	41.6	23.4	44.0	24.4	38.0	20.7
18	40.4	26.0	39.1	23.4	40.8	22.6	40.2	23.5	38.2	23.1
19	39.6	24.8	39.6	24.6	41.5	24.8	40.2	22.8	40.0	22.3
20	41.6	23.9	41.4	21.3	43.7	23.6	40.8	24.0	42.8	22.5
21	41.0	22.0	39.6	25.1	42.5	24.9	40.2	25.4	38.6	20.7
22	38.6	22.6	38.8	20.2	41.0	22.0	44.0	22.7	38.9	19.7
23	38.4	23.2	38.6	18.8	40.4	19.6	38.4	20.3	36.4	17.8
24	39.4	23.0	39.4	21.8	41.0	21.8	39.4	22.6	38.4	17.6
25	40.6	22.4	41.0	19.5	42.1	21.0	41.1	20.6	39.5	17.8
26	41.0	22.4	39.8	23.0	42.2	22.4	41.5	23.2	38.4	23.1
27	39.2	23.0	38.0	20.6	41.0	22.6	39.4	22.0	37.2	20.6
28	37.4	22.1	36.5	20.2	38.8	21.8	40.1	24.5	34.9	20.5
29	33.8	20.0	33.0	20.0	34.2	19.8	39.1	22.2	33.0	17.2
30	34.8	18.3	34.0	16.2	35.7	19.2	41.7	20.5	35.4	17.2
MEANS	41.4	23.4	40.2	21.6	42.5	23.1	41.1	23.7	40.5	21.2

RECORDS OF TEMPERATURES : — اقوال الحرارة الماضية :

STATION	HIGHEST MAX.C.	DATE	YEAR	LOWEST MIN.C.	DATE	YEAR
HAI	48.4	1&26	1945	15.2	29	1956
DIWANIYA	46.6	1	1945	11.6	25&26	1943
NASIRIYA	48.9	6	1940	13.9	23	1940
BASRAH	46.6	9	1951	13.1	16	1958
HABBANIYA	48.4	2	1945	5.2	30	1938

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TABLE - 5 (البصلة الجافة) المعدل الشهري لدرجات الحرارة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

STATION	T I M E - O F K . T . 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	27.2	25.2	31.0	38.4	40.7	37.4	31.3	28.7	32.5
MOSUL	19.2	17.3	27.5	36.8	38.9	34.5	27.6	22.5	28.0
KIRKUK	25.5	24.2	32.7	37.0	38.2	35.2	29.3	26.9	31.1
KHANAQIN	-	23.2	33.1	38.2	39.3	36.4	30.4	-	33.4
RUTBAH	21.0	18.9	25.4	32.4	35.2	33.8	27.8	23.7	27.3
HAI	-	24.1	32.0	39.3	39.9	35.3	30.0	-	33.4
DIWANIYA	24.8	22.3	31.0	38.5	40.0	35.0	29.5	26.8	31.0
NASIRIYA	25.8	23.9	33.2	40.6	41.8	37.9	31.1	28.7	32.9
BASRAH	26.1	24.2	32.0	38.6	39.8	35.0	30.8	27.9	31.8
HABBANIYA	23.6	22.0	29.5	38.1	39.9	35.0	28.4	26.5	30.4

TABLE-6 (البصلة الرطبة) المعدل الشهري لدرجات الحرارة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.0	15.8	18.9	21.2	21.4	21.7	19.5	17.9	19.2
MOSUL	15.2	13.9	18.6	22.2	22.4	21.3	18.2	16.2	18.5
KIRKUK	14.8	14.3	18.3	19.5	19.6	18.3	16.9	15.7	17.2
KHANAQIN	-	12.6	18.5	20.2	20.6	19.4	17.0	-	18.1
RUTBAH	14.1	13.1	16.7	19.7	21.2	20.2	17.7	15.4	17.1
HAI	-	14.3	19.2	21.2	21.2	19.5	17.2	-	18.8
DIWANIYA	16.0	15.1	20.1	22.6	23.2	21.6	18.7	17.2	19.3
NASIRIYA	17.0	15.7	19.6	21.8	21.9	22.0	19.4	18.7	19.5
BASRAH	20.8	19.9	24.1	27.0	27.3	25.9	24.0	22.1	23.9
HABBANIYA	16.1	15.3	18.8	21.4	21.5	21.3	18.3	17.0	18.7

TABLE-7 المعدل الشهري لضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.ر) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	05.4	05.9	07.0	06.7	05.3	04.9	05.9	05.9	1005.9
MOSUL	08.3	08.8	09.0	07.6	05.9	05.7	07.1	08.3	1007.6
KIRKUK	06.9	07.9	07.1	06.1	04.6	04.8	06.8	07.3	1006.4
KHANAQIN	-	07.3	06.1	04.6	03.5	03.8	06.0	-	1005.2
RUTBAH	07.3	07.5	08.9	08.7	06.8	06.8	07.5	07.3	1007.6
HAI	-	04.4	08.8	05.1	03.6	03.4	07.9	-	1005.5
DIWANIYA	05.2	05.9	06.8	06.4	04.8	04.6	05.8	05.6	1005.6
NASIRIYA	04.8	05.3	06.3	05.6	04.1	02.8	04.1	04.1	1004.6
BASRAH	03.8	04.6	05.7	05.2	03.8	03.7	04.5	04.4	1004.5
HABBANIYA	06.1	06.7	07.6	06.7	05.6	05.4	06.4	06.5	1006.4

TABLE-8 المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	32	34	27	18	14	21	29	31	26
MOSUL	64	70	43	28	24	31	41	53	44
KIRKUK	27	30	21	15	13	14	24	26	21
KHANAQIN	-	24	20	14	13	15	21	-	18
RUTBAH	43	48	40	27	25	25	33	38	35
HAI	-	33	29	19	18	22	26	-	25
DIWANIYA	37	43	33	22	21	27	32	38	31
NASIRIYA	38	39	24	15	13	21	30	35	27
BASRAH	60	66	51	39	36	47	56	59	52
HABBANIYA	43	47	34	19	16	27	35	36	32

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(٢)

TABLE 9.

المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.3	10.6	12.0	11.5	10.2	12.4	13.3	12.0	11.8
MOSUL	14.1	13.7	15.5	16.8	16.3	16.7	14.7	14.8	15.2
KIRKUK	8.8	8.2	9.8	9.0	8.1	7.6	9.2	9.0	8.8
KHANAQIN	-	8.6	9.8	9.4	8.3	9.0	8.9	-	8.6
RUTBAH	10.3	10.6	12.0	13.0	15.1	12.9	12.2	11.5	12.2
HAI	-	9.8	13.1	13.2	13.0	11.0	11.9	-	12.2
DIWANIYA	11.3	11.5	14.9	14.8	15.1	13.6	13.0	12.0	13.5
NASIRIYA	12.5	13.4	12.0	11.1	10.4	13.6	13.0	13.7	12.3
BASRAH	20.4	20.0	24.1	26.6	26.3	26.2	24.9	22.2	23.8
HABBANIYA	12.3	12.2	13.4	12.2	11.1	11.7	13.0	12.1	12.6

TABLE 10.

المعدل الشهري لدرجة الندى (بالفهرنهايت)

MONTHLY MEAN DEW POINT (°F)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.5	7.9	9.5	8.8	7.0	11.0	10.9	9.4	9.1
MOSUL	12.1	11.5	13.3	15.0	14.3	14.5	12.5	12.2	13.2
KIRKUK	3.6	4.4	6.2	5.0	3.5	2.5	5.4	5.1	4.6
RUTBAH	7.4	7.3	9.6	10.5	11.7	10.4	9.6	8.1	9.5
HAI	-	6.6	11.5	10.8	10.7	9.8	8.2	-	9.8
DIWANIYA	8.6	8.8	12.5	12.5	13.0	12.9	10.6	9.5	11.4
NASIRIYA	9.9	8.5	9.3	8.3	7.2	11.4	10.8	11.1	9.5
BASRAH	17.5	17.2	20.1	21.7	21.7	21.8	20.6	18.8	19.9
HABBANIYA	9.7	9.8	11.0	9.7	8.0	12.1	10.7	9.5	10.1

TABLE 11.

المعدل الشهري لكمية الغيوم الواطئة (بالاعشار)

MONTHLY MEAN LOW CLOUD (OKTAS)

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	0.2	0.2	0.3	0.2	0.4	0.4	0.2	0.2	0.3
KIRKUK	0.0	0.1	0.2	0.3	0.4	0.1	0.0	0.0	0.1
KHANAQIN	-	0.1	0.1	0.0	0.0	0.0	0.0	-	0.0
RUTBAH	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
HAI	-	0.1	0.0	0.0	0.1	0.0	0.0	-	0.0
DIWANIYA	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
NASIRIYA	0.0	0.0	0.0	0.3	0.8	0.3	0.0	0.0	0.2
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 12.

المعدل الشهري لكمية الغيوم (بالاعشار)

MONTHLY MEAN TOTAL CLOUD AMOUNTS (OKTAS)

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

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TABLE 13-a.

عدد تكرار رصدات الرياح السطحية :

SURFACE - WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
بغداد BAGHDAD	0000	8	6	2	1	0	0	1	8	4	23	3	0	0	5
	0300	9	3	1	1	1	0	1	9	5	25	0	0	0	5
	0600	9	3	1	0	1	1	4	9	2	27	1	0	0	5
	0900	12	2	1	1	1	1	4	7	1	20	9	0	0	8
	1200	14	1	0	1	2	1	3	7	1	24	5	0	0	9
	1500	6	1	0	0	2	0	2	8	11	16	5	0	0	4
	1800	4	0	0	2	0	1	2	9	12	16	2	0	0	4
	2100	5	2	0	2	0	0	2	10	9	19	2	0	0	4
	TOTAL	67	18	5	8	7	4	19	67	45	170	25	0	0	6
موصل MOSUL	0000	9	0	1	1	0	1	10	3	5	24	0	1	0	5
	0300	6	2	1	1	2	3	11	3	1	28	1	0	0	5
	0600	15	1	2	0	0	0	9	1	2	23	5	0	0	6
	0900	8	1	5	4	0	0	8	2	2	20	8	0	0	7
	1200	4	3	1	2	2	2	10	6	0	16	14	0	0	10
	1500	5	1	0	3	0	1	14	3	3	20	7	0	0	7
	1800	3	0	0	1	1	3	15	3	4	13	13	0	0	9
	2100	9	1	2	0	0	0	12	2	4	20	6	0	0	6
	TOTAL	59	9	12	12	5	10	89	23	21	164	54	1	0	7
كركوك KIRKUK	0000	2	10	0	1	0	0	2	0	15	14	1	0	0	2
	0300	1	12	0	0	0	0	0	0	17	13	0	0	0	2
	0600	4	12	1	1	1	0	1	2	8	20	2	0	0	3
	0900	1	3	1	1	0	4	11	3	6	24	0	0	0	4
	1200	3	1	0	1	1	4	16	4	0	20	9	1	0	9
	1500	3	0	0	3	2	0	18	3	1	26	3	0	0	6
	1800	1	0	1	1	0	0	2	4	21	9	0	0	0	1
	2100	4	4	1	0	0	0	1	0	20	10	0	0	0	1
	TOTAL	19	42	4	8	4	8	51	16	88	136	15	1	0	4
خانقين KHANAQIN	0300	0	0	8	0	5	0	2	0	15	15	0	0	0	2
	0600	2	0	5	1	2	0	3	1	16	14	0	0	0	2
	0900	7	0	0	0	3	0	10	2	8	22	0	0	0	4
	1200	3	0	0	0	8	0	11	8	0	30	0	0	0	6
	1500	2	0	0	0	7	1	17	1	2	28	0	0	0	5
	1800	0	0	1	1	1	0	3	0	24	6	0	0	0	1
	TOTAL	14	0	14	2	26	1	46	12	65	115	0	0	0	3
رطبة RUTBAH	0000	3	1	0	0	0	0	4	6	14	13	3	0	0	5
	0300	3	0	0	0	0	3	6	6	12	13	5	0	0	5
	0600	11	3	0	0	0	1	4	5	6	15	9	0	0	7
	0900	7	2	4	4	3	1	3	1	5	17	8	0	0	7
	1200	7	3	5	3	2	0	3	5	2	20	7	1	0	8
	1500	9	3	3	2	0	1	3	5	4	21	5	0	0	7
	1800	7	7	2	1	0	0	4	2	7	18	5	0	0	6
	2100	6	2	0	1	0	0	3	2	16	12	2	0	0	4
	TOTAL	53	21	14	11	5	8	30	32	66	129	44	1	0	6

TABLE 13-b.

عدد تكرار رصدات الرياح السطحية :

SURFACE WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه								SPEED IN KNOTS السرعة بالعقد					معدل السرعة MEAN V.K.
		N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	
حي HAI	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	3	0	0	3	0	0	3	19	2	19	9	0	0	8
	0600	3	0	1	2	1	0	0	11	6	12	10	2	0	9
	0900	6	1	0	2	4	0	6	10	4	11	11	4	0	11
	1200	4	0	1	1	1	0	3	15	5	9	11	5	0	12
	1500	4	1	0	1	1	0	2	13	8	15	7	0	0	6
	1800	2	0	0	1	0	0	3	17	7	18	5	0	0	6
	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	22	2	2	10	7	1	19	85	32	84	53	11	0	7
ديوانية DIWANIYA	0000	13	5	1	1	1	0	3	1	5	21	4	0	0	7
	0300	10	2	0	0	0	0	10	0	8	20	2	0	0	7
	0600	6	2	1	1	0	1	9	8	2	25	3	0	0	6
	0900	6	3	1	1	2	0	7	8	2	20	8	0	0	7
	1200	11	0	1	0	0	1	4	8	5	16	9	0	0	7
	1500	14	1	0	0	1	1	2	7	4	24	2	0	0	4
	1800	12	3	0	0	1	1	0	2	6	20	4	0	0	5
	2100	14	5	1	0	1	0	5	2	2	27	1	0	0	5
	TOTAL	86	21	5	3	6	3	46	36	34	173	33	0	0	6
بصرة BASRAH	0000	5	0	0	0	0	0	4	4	17	13	0	0	0	2
	0300	3	0	0	0	0	1	4	2	20	8	2	0	0	2
	0600	5	0	0	0	1	0	2	5	17	12	1	0	0	3
	0900	4	0	0	0	1	1	1	14	9	14	7	0	0	5
	1200	1	0	0	0	1	0	1	19	8	17	5	0	0	6
	1500	1	0	0	0	0	0	2	9	18	12	0	0	0	2
	1800	1	0	0	0	2	0	0	10	17	12	1	0	0	2
	2100	2	0	0	1	0	0	1	7	19	9	2	0	0	3
	TOTAL	22	0	0	1	5	2	15	70	125	97	18	0	0	3
حبانية HABBANIYA	0000	3	2	0	0	1	0	3	7	14	15	1	0	0	3
	0300	1	0	0	0	0	0	4	8	17	12	1	0	0	2
	0600	8	0	0	0	2	0	6	8	6	20	4	0	0	6
	0900	3	3	0	0	5	0	8	7	4	18	7	1	0	7
	1200	5	0	0	0	7	0	6	8	4	19	7	0	0	7
	1500	0	1	0	0	1	0	3	11	12	16	2	0	0	8
	1800	2	0	0	1	1	0	5	5	16	14	0	0	0	3
	2100	4	1	0	0	2	0	3	5	15	15	0	0	0	3
	TOTAL	28	7	0	1	19	2	38	59	78	129	22	1	0	5
ناصرية NASIRIYA (1500 & 2100 are not complete)	0000	11	0	0	3	1	0	7	5	3	24	3	0	0	5
	0300	9	0	1	2	2	0	13	2	1	28	1	0	0	4
	0600	8	0	0	0	3	1	9	9	0	24	6	0	0	7
	0900	3	0	3	3	1	3	2	15	0	22	8	0	0	9
	1200	3	0	7	1	0	0	5	14	0	22	8	0	0	9
	1500	4	1	7	2	0	0	2	7	0	21	2	0	0	6
	1800	6	4	4	2	0	0	5	7	2	27	1	0	0	5
	2100	5	2	1	2	0	0	6	5	2	19	2	0	0	6
	TOTAL	49	7	23	15	7	4	49	64	8	187	31	0	0	6

TABLE 14.

التهطول اليومي (بالملليمترات)

DAILY PRECIPITATION (MM) : tr. < 0.05 mm.

التاريخ	بغداد	موصل	كركوك	خانقين	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	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										
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECORDS OF RAINFALL : السقايس المائية :

STATION	HIGHEST MAX. RAINFALL IN 24 HOURS	DATE	YEAR
BAGHDAD	0.6	30	1951
MOSUL	7.1	29	1957
KIRKUK	3.2	28	1942
KHANAQIN	1.0	25	1951
RUTBAH	15.0	12	1957
HAI	tr.	27	1957
DIWANIYA	tr.	22	1953
NASIRIYA	0.2	7	1951
BASRAH	0.4	12	1938
HABBANIYA	6.4	25	1951

TABLE 15.

CLIMATOLOGICAL SUMMARY : الملخصات المناخيـــــة

No. OF DAYS OF PHENOMENAS : عدد الايام التي حدثت فيها الظواهر الجوية

المحطة STATION	مطر RAIN	ثلج SNOW	برد HAIL	رعـــد THUNDER STORM	ضباب FOG	تراب DUST	غائمة صافية STATE OF SKY CLEAR	CLOUDY	صقيع GROUND FROST
BAGHDAD	0	0	0	0	0	0	29	0	0
MOSUL	0	0	0	0	0	0	29	0	0
KIRKUK	0	0	0	0	0	0	30	0	0
KHANAQIN	0	0	0	0	0	0	29	0	0
RUTBAH	0	0	0	0	0	0	30	0	0
HAI	0	0	0	0	0	0	29	0	0
DIWANIYA	0	0	0	0	0	0	30	0	0
NASIRIYA	0	0	0	0	0	2	29	0	0
BASRAH	0	0	0	0	0	2	29	0	0
HABBANIYA	0	0	0	0	0	0	30	0	0

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس

المحطة STATION	MONTHLY TOTAL SUNSHINE HOURS	MAS. SUNSHINE IN ONE DAY HOURS	DATE	No. OF DAYS WITHOUT SUNSHINE
BAGHDAD	314.6	11.3	3	0
MOSUL	322.1	11.3	3	0
BASRAH	314.8	11.4	4&5	0
HABBANIYA	326.9	11.6	3	0

TABLE 17.

المعدلات الحرارية الشهرية :

MONTHLY MEAN TEMPERATURES (C°) OF :

المحطة	حرارة العشب GRASS MINIMUM TEMPERATURE	حرارة التربة EARTH TEMPERATURES 0.3 M	1.2 M
STATION			
BAGHDAD	21.4	32.4	30.1
MOSUL	....	31.7	31.0
KIRKUK	16.1	29.7	29.2
HAI	17.2	....	....
NASIRIYA	20.5	....	....
BASRAH	18.5	....	....
HABBANIYAZ	18.9	31.1	30.1

TABLE 18 :

Month: September 1960

RADIOSONDE OBSERVATIONS STANDARD LEVELS AT 0004 GMT, AT BAGHDAD AIRPORT.

DATE	SURFACE $N_h C_L h' M_T C_H$	ww	aPP	PPP	TT	Td	dd	ff	1000 mbs. HHH	TT	Td	dd	ff	850 mbs. HHH	TT	Td	dd	ff	700 mbs. HHH	TT	Td	dd	ff	600 mbs. HHH	TT	Td	dd	ff
1	00900	02	710	097	29	05	33	03	054	27	09	-	-	480	24	06	-	-	133	10	54	-	-	398	05	63	-	-
2	00900	02	708	037	29	01	32	12	034	29	11	-	-	479	24	02	-	-	139	13	63	-	-	413	05	79	-	-
3	00900	02	708	007	26	05	31	07	007	-	-	-	-	458	25	05	-	-	119	12	58	-	-	389	04	70	-	-
4	00900	02	609	988	30	05	34	07	508	-	-	-	-	450	29	04	-	-	128	15	57	-	-	407	05	66	-	-
5	00900	03	400	008	28	13	03	09	007	-	-	-	-	471	28	08	-	-	146	13	01	-	-	416	01	57	-	-
6	00900	02	300	027	28	12	11	02	018	-	-	-	-	471	25	10	-	-	134	11	52	-	-	390	01	66	-	-
7	00900	02	707	005	25	11	13	05	008	-	-	-	-	460	27	06	-	-	126	11	53	-	-	383	51	60	-	-
8	20900	02	706	003	29	09	11	08	007	-	-	-	-	449	27	09	-	-	117	11	00	-	-	373	52	59	-	-
9	00900	02	107	038	29	05	04	06	034	29	09	-	-	487	25	04	-	-	147	11	56	-	-	406	00	-	-	-
10	00900	00	709	048	27	09	28	05	089	29	10	-	-	536	27	08	-	-	197	11	53	-	-	453	00	62	-	-
11	00900	02	301	045	28	08	32	05	041	24	17	-	-	504	28	07	-	-	175	13	53	-	-	440	01	62	-	-
12	00900	02	500	046	27	08	30	02	039	27	16	-	-	499	27	11	-	-	169	13	55	-	-	437	02	66	-	-
13	00900	02	703	041	27	10	00	00	034	27	14	-	-	501	30	05	-	-	186	15	55	-	-	460	03	61	-	-
14	40980	03	202	049	30	07	02	02	504	-	-	-	-	459	28	08	-	-	130	12	55	-	-	391	00	-	-	-
15	00900	02	708	042	31	14	04	05	036	30	17	-	-	498	28	61	-	-	164	11	68	-	-	418	01	74	-	-
16	00900	05	706	033	29	08	35	11	037	30	15	-	-	491	28	04	-	-	167	14	56	-	-	437	02	63	-	-
17	00900	02	400	058	29	09	34	14	052	30	15	-	-	495	27	04	-	-	170	13	55	-	-	436	01	64	-	-
18	00900	02	400	081	28	10	36	12	074	29	15	-	-	512	23	07	-	-	168	11	53	-	-	431	01	60	-	-
19	00900	02	603	094	28	13	36	01	086	29	13	-	-	526	21	09	-	-	186	13	02	-	-	469	03	57	-	-
20	00900	02	706	075	28	11	08	08	074	27	15	-	-	514	24	12	-	-	171	11	01	-	-	431	00	62	-	-
21	00900	02	702	072	28	08	05	07	066	29	16	-	-	516	25	03	-	-	168	11	58	-	-	436	02	61	-	-
22	00900	00	806	056	26	08	00	00	051	27	11	-	-	489	23	14	-	-	137	09	05	-	-	397	01	55	-	-
23	00900	02	301	080	23	10	00	00	069	23	11	-	-	502	26	06	-	-	170	13	53	-	-	446	06	63	-	-
24	00900	02	706	090	27	09	03	04	081	28	08	-	-	520	23	03	-	-	178	12	55	-	-	447	04	64	-	-
25	00900	02	703	080	26	06	04	04	074	27	09	-	-	502	24	55	-	-	162	12	69	-	-	421	00	70	-	-
26	00900	02	203	094	26	08	32	08	082	24	16	-	-	523	24	03	-	-	180	11	55	-	-	438	01	62	-	-
27	00900	02	704	084	26	07	36	05	072	30	16	-	-	502	20	05	-	-	132	07	57	-	-	382	51	67	-	-
28	00900	02	610	072	25	10	02	06	070	30	15	-	-	496	21	07	-	-	135	09	53	-	-	396	02	62	-	-
29	00900	02	103	101	24	09	33	08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	00900	02	101	112	20	09	30	05	086	22	14	-	-	494	06	06	-	-	124	09	58	-	-	382	01	67	-	-

NOTE: THE SIGN (-) MEANS NOT AVAULABKE OR NO RECORD.

TABLE 18-b

Months: September 1960

RADIOSONDE OBSERVATIONS STANDERD LEVELS AT 0004GMT, AT BAGHDAD AIRPORT.

DATE	500 mbs. HHH	TT	Td	dd	ff	400 mbs. HHH	TT	Td	dd	ff	300 mbs. HHH	TT	Td	dd	ff	200 mbs. HHH	TT	Td	dd	ff	150 mbs. HHH	TT	Td	dd	ff	HHH	100 mbs. TT	Td	dd	ff
1	588	53	70	-	-	761	63	80	-	-	974	77	92	-	-	255	96	09	-	-	440	08	19	-	-	687	20	-	-	-
2	587	55	82	-	-	759	64	90	-	-	973	77	00	-	-	253	98	17	-	-	438	09	-	-	-	-	-	-	-	-
3	584	57	78	-	-	754	66	85	-	-	965	79	01	-	-	243	99	14	-	-	426	12	-	-	-	668	22	-	-	-
4	585	54	75	-	-	760	63	83	-	-	971	80	98	-	-	249	98	13	-	-	433	10	-	-	-	678	24	-	-	-
5	585	59	62	-	-	756	66	18	-	-	965	82	93	-	-	239	01	10	-	-	422	12	21	-	-	666	23	-	-	-
6	593	55	68	-	-	754	68	80	-	-	963	82	93	-	-	238	00	10	-	-	421	11	-	-	-	665	21	-	-	-
7	582	60	73	-	-	750	20	84	-	-	959	81	94	-	-	236	99	11	-	-	420	11	-	-	-	661	22	-	-	-
8	580	57	67	-	-	151	66	77	-	-	962	81	91	-	-	238	00	11	-	-	422	11	18	-	-	666	21	-	-	-
9	585	54	72	-	-	758	65	83	-	-	970	80	96	-	-	248	99	13	-	-	431	11	-	-	-	676	22	-	-	-
10	590	55	68	-	-	762	67	79	-	-	970	84	94	-	-	243	02	11	-	-	425	12	20	-	-	668	21	-	-	-
11	589	56	69	-	-	760	68	82	-	-	968	83	96	-	-	243	01	12	-	-	424	13	-	-	-	-	-	-	-	-
12	589	56	78	-	-	760	69	78	-	-	968	85	98	-	-	240	02	14	-	-	421	16	-	-	-	-	-	-	-	-
13	592	53	69	-	-	764	67	84	-	-	973	82	98	-	-	247	02	14	-	-	421	11	-	-	-	-	-	-	-	-
14	582	59	67	-	-	752	68	78	-	-	961	83	93	-	-	235	01	10	-	-	417	13	-	-	-	661	23	-	-	-
15	586	58	83	-	-	755	71	-	-	-	961	86	17	-	-	232	03	21	-	-	413	14	-	-	-	655	21	-	-	-
16	588	55	70	-	-	760	65	80	-	-	971	80	94	-	-	248	00	13	-	-	431	11	-	-	-	674	23	-	-	-
17	589	55	72	-	-	760	66	83	-	-	961	81	95	-	-	237	00	11	-	-	429	12	-	-	-	-	-	-	-	-
18	588	55	73	-	-	759	67	84	-	-	968	82	96	-	-	244	01	12	-	-	426	14	-	-	-	665	25	-	-	-
19	591	54	67	-	-	764	66	78	-	-	974	81	92	-	-	250	00	09	-	-	434	11	19	-	-	679	26	-	-	-
20	586	60	75	-	-	756	67	89	-	-	967	78	97	-	-	243	03	14	-	-	424	12	-	-	-	673	15	-	-	-
21	588	59	73	-	-	758	70	87	-	-	966	84	01	-	-	238	06	07	-	-	418	14	-	-	-	660	21	-	-	-
22	584	58	67	-	-	753	70	79	-	-	961	84	91	-	-	234	02	08	-	-	416	13	18	-	-	660	19	-	-	-
23	592	51	69	-	-	766	62	79	-	-	980	77	92	-	-	264	90	03	-	-	457	99	12	-	-	716	12	-	-	-
24	590	56	75	-	-	761	69	86	-	-	970	82	97	-	-	243	01	15	-	-	425	13	-	-	-	669	20	-	-	-
25	587	56	78	-	-	757	69	89	-	-	964	84	03	-	-	237	03	19	-	-	417	15	-	-	-	659	29	-	-	-
26	587	58	69	-	-	757	69	78	-	-	962	84	93	-	-	237	05	13	-	-	416	17	-	-	-	656	21	-	-	-
27	581	61	76	-	-	748	74	88	-	-	952	89	01	-	-	220	06	17	-	-	397	19	-	-	-	636	18	-	-	-
28	584	59	72	-	-	753	71	84	-	-	958	87	98	-	-	228	04	14	-	-	408	16	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	582	60	76	-	-	750	71	-	-	-	958	82	96	-	-	235	98	10	-	-	420	10	20	-	-	668	18	-	-	-

TABLE 19-a.

BAGHDAD AIRPORT

Month: September 1960.

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																									
>1500 -3000M				3	3	3	1					2	1	1		1	4	1	1						21
>3 -5KM				3	4	2	2		1	1	3	1	2	2	3	6	10	4	1						45
>5 -10KM	1			6	7	8	7	6	6	5	3	1	1	2	2	16	12	10	6	4	2	1	1		107
>10 -15KM	6	7	13	16	12	13	7	11	8	9	11	11	5	3	9	6	4	11	11	13	12	10	7	5	220
>15KM	23	23	17	2	4	4	13	13	15	15	13	15	21	22	16	1		4	11	13	16	19	22	25	327
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 other cases.

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																									
>3 -500M																									
>500 -900M																									
>900M	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

TABLE 19-b BASRAH AIRPORT. September 1950 .

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 -1000M				1/1									1/1												2
>1000 -1500M							1/1				1/1	1/1		1/1											4
>1500 -3000M					1	1/1			1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/1						1/1	1/1		13
>3 - 5KM							1		1/1	1/1	1/1	1/1	1/1	2/2	3/3	2/2	3/4	2/2			1/1	1/1	1/1		22
>5 -10KM	2/3	2/2	2/3	3/11	4/10	2/7	2/2	2/3	3/3	4/4	2/2	1/2	2/2	2/3	2/2	2/3	1/4	2/4	6/8	6/6	2/5	2	1/1	2/4	96
>10 -15KM	3	5	5	7	4	8	9	5	5	2	2	2	3	1	2	8	4	8	4	3	4	2	3	3	102
>15	24	23	22	11	15	14	17	21	20	22	23	23	21	22	22	16	18	16	18	21	20	24	24	23	480
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 given 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 -150																									
>150 -300																									
>300 -500																									
>500 -900																									
>900						1	1	1																	3

TABLE 20-a. BAGHDAD AIRPORT Month : September 1960

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																					
<5/8 OR *					3	1		3	2	1	6	7	6	16	7	23	2	13	30	30	30
>900					1	1	1	2	6	5	1	16	9	5	6	15	21	1	30	30	30
AND ≥5/8				1		7	1		15	6	43	11	11	10	70	11	19	105	30	30	240
					3	1		3	2	1	6	7	6	16	7	23	2	13	30	30	30
TOTAL					1	1	1	2	6	5	1	16	9	5	6	15	21	1	30	30	30
				1		7	1		15	6	1	43	11	10	70	11	19	105	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

GMT.

To=Total for all hours

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

TABLE 20-b

BASRAH AIRPORT

Month: September 1960

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 3 11	2 3 7	9 24 11	17 30 30	30
> 900 ;		1	1 2 1 1	1 2 4	2 3 2	3 8 22	21 16 30	30 30		
AND =5/8	1	2	1 5	1 6 8	2 35 4	2 38 18	24 153 30	30 240		
	1	1		1 3 11	2 3 7	9 24 11	17 30 30	30		
TOTAL		1	1 2 1 1	1 2 4	2 3 2	3 8 22	21 16 30	30 30		
	1	2	1 5	1 6 8	2 35 4	2 38 18	24 153 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 GMT.
18 21 To

To=Total for all hours

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

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

REPUBLIC OF IRAQ

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

مديرية الانواء الجوية

METEOROLOGICAL DEPARTMENT

شعبة المناخ

CLIMATOLOGICAL SECTION

تقرير المناخ الشهري

Monthly Climatological Data

No. 10
Vol. 23
Month October
Year 1960

العـــدد ١٠
مجـــلد ٢٣
الشهر تشرين الاول
السنة ١٩٦٠

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وزارة المواصـــــــــــــــــلات

مديرية الطيران المدني العامـــة

مديرية الانواء الجويـــــــــة

شعبة المناخ

بغداد

I R A Q R E P U B L I C

MINISTRY OF COMMUNICATIONS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهريـــــــة

لشهر

تشرين الاول ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA

FOR OCTOBER 1960

مجلد ٢٣ ، عدد (١٠) تشرين الاول ١٩٦٠

VOLUME 23 , No. 10 .. OCTOBER 1960

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General Situation for OCTOBER 1960.

The most outstanding feature of the month was settled weather and dryness in all districts accompanied a high pressure system, except on the 6th,20th and 21st. was local dust haze mainly in Northern and Sourthern areas on 11th and 12th. due to local weak low pressure.

لمحة عامة عن شهر تشرين الاول ١٩٦٠

شهر مستقر و جاف

كانت الظاهرة البارزة في هذا الشهر هي الاستقرار و قلة هطول الامطار في جميع المناطق حيث ساد العراق جو مستقر في معظم ايام الشهر بالنظر لتمركز ضغط عالي على القطر عدا الايام ٦ و ٢٠ و ٢١ حيث نصاعد غبار محلي في المنطقة الشمالية و يومي ١١ و ١٢ منه في المنطقة الجنوبية بسبب تولد انخفاضات جوية

OCTOBRE 1960.

TABLE - 1 -

تشرين الاول ١٩٦٠

الجدول اليومي لدرجات الحرارة (سنتيغراد)

MEAN DAILY DEGREES (C°) OF 8 OBSERVATIONS

DATE / التاريخ	BAGH-DAD / بغداد	MOSUL / موصل	KIR-KUK / كركوك	KUT-BA / رطبة	HAI / حي	DIWA-NIYA / ديوانية	NASI-RIYA / ناصرية	BASRAH / بصرة	HABBA-NIYA / حبانية
1	28.1	25.8	25.5	23.5	26.2	26.1	27.3	27.7	25.7
2	27.6	23.1	26.3	23.7	28.1	28.8	28.2	27.6	25.7
3	27.4	25.5	27.4	24.7	31.0	29.5	27.4	28.6	25.6
4	28.0	23.4	27.2	27.2	28.7	30.5	28.2	27.6	27.3
5	29.8	24.8	27.9	23.7	29.7	29.1	28.6	28.7	28.4
6	28.5	20.8	26.2	21.8	30.1	28.8	30.4	29.8	26.4
7	25.7	19.8	24.6	19.1	25.0	25.8	26.1	26.7	21.8
8	23.6	20.2	22.9	20.6	24.5	24.5	23.9	24.3	21.3
9	24.6	21.3	24.1	21.8	26.5	25.8	25.1	24.8	22.8
10	25.3	22.0	24.1	21.3	27.1	25.9	25.7	25.3	23.7
11	24.6	20.6	22.8	23.8	26.3	24.8	25.6	24.4	23.4
12	23.7	19.9	22.6	20.2	25.2	23.5	24.3	23.5	22.5
13	23.9	19.2	23.6	21.8	25.2	23.8	23.4	23.0	22.3
14	24.1	19.9	23.4	23.2	25.2	23.8	24.1	23.2	23.1
15	25.4	20.0	24.4	23.9	26.2	24.8	25.3	24.1	25.8
16	26.0	20.5	26.8	22.4	24.4	25.4	24.8	24.5	24.8
17	25.1	19.4	25.3	21.8	25.8	25.4	24.6	25.4	22.2
18	22.5	18.0	22.5	22.0	25.8	25.2	25.7	25.5	22.5
19	26.1	20.2	25.4	23.5	25.8	25.3	25.3	24.8	24.9
20	27.4	21.6	26.7	24.3	25.7	25.8	25.6	25.3	26.7
21	23.2	19.0	24.6	18.2	24.9	24.5	24.9	24.6	21.8
22	20.4	17.8	21.4	17.6	22.8	23.5	24.1	23.8	19.8
23	21.8	17.8	21.7	20.2	22.1	19.8	24.2	24.6	19.8
24	21.3	16.0	22.5	19.6	23.1	19.8	21.3	24.1	20.4
25	23.3	15.9	22.9	21.1	23.4	24.5	22.4	24.4	20.7
26	23.1	16.0	22.7	19.8	24.2	23.2	22.1	24.5	21.5
27	22.1	17.8	23.9	20.5	24.2	22.5	22.1	24.5	20.5
28	22.1	19.4	24.3	20.5	23.8	22.5	21.3	23.8	20.7
29	24.1	17.0	23.5	20.9	22.5	22.6	21.1	24.9	20.2
30	21.6	16.8	22.8	19.9	22.1	22.4	21.1	24.7	19.5
31	21.7	16.3	22.2	20.4	22.5	22.7	22.6	24.6	19.9
MEANS	24.5	19.9	24.3	21.5	25.5	23.9	24.6	24.8	22.8

OCTOBER 1960.

تشرين الاول ١٩٦٠

TABLE - 2 .

المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	1012.6	1013.7	1013.1	1013.8	1011.0	1012.6	1011.8	1011.7	1013.9
2	12.7	13.2	12.7	14.2	11.1	12.4	11.5	10.5	13.1
3	11.8	12.8	11.7	12.4	10.6	11.8	11.4	10.5	12.1
4	10.6	12.0	10.8	09.5	10.1	10.6	01.7	10.1	10.7
5	09.5	10.9	10.1	10.6	09.6	09.7	09.8	10.0	09.6
6	09.7	10.7	09.8	11.5	09.9	09.9	09.4	09.8	10.2
7	13.6	13.5	12.8	14.4	11.1	12.8	12.4	10.1	13.6
8	13.1	14.1	13.2	14.3	11.5	13.5	12.3	11.6	13.8
9	12.6	13.8	12.8	14.6	11.6	12.8	12.0	10.9	13.3
10	13.2	13.6	13.3	15.3	11.7	13.5	12.2	11.3	13.8
11	12.4	14.1	13.1	14.8	10.9	12.5	11.5	10.2	13.3
12	11.0	12.5	10.8	13.5	09.5	11.5	11.9	10.2	11.7
13	12.6	13.5	12.8	14.4	12.1	13.3	12.7	12.2	12.9
14	14.6	16.3	15.2	16.9	13.8	14.8	14.8	13.7	15.1
15	13.4	15.4	13.6	16.6	12.8	13.2	12.6	12.8	14.8
16	11.5	12.7	11.6	13.8	10.7	11.6	12.4	11.1	11.9
17	12.5	13.4	12.9	13.4	11.8	12.6	12.8	11.9	12.9
18	14.0	15.9	14.4	13.4	13.3	13.9	13.4	13.1	14.1
19	14.1	15.3	14.6	14.9	14.1	14.2	14.2	14.3	13.6
20	14.2	14.4	14.5	13.9	15.4	14.6	15.2	17.8	13.9
21	16.9	17.6	16.9	18.9	15.2	16.5	15.6	15.5	17.6
22	16.6	19.5	17.8	19.7	16.7	18.5	17.7	17.2	18.4
23	18.9	20.1	19.1	20.2	17.9	19.4	18.5	19.0	19.8
24	18.7	20.1	18.7	20.0	17.7	19.2	18.6	18.1	19.4
25	17.8	19.2	18.0	17.8	16.9	18.1	17.6	17.6	18.3
26	16.4	18.1	16.8	17.1	15.7	16.8	16.3	16.0	16.8
27	16.2	17.8	16.4	16.9	15.3	16.1	16.0	15.4	16.6
28	17.0	18.6	17.0	17.5	15.5	17.2	16.5	18.5	17.3
29	17.1	18.4	17.5	17.7	16.5	17.2	16.8	16.5	17.5
30	18.6	20.3	19.0	17.9	17.9	18.5	18.2	17.8	18.6
31	17.6	19.4	18.0	17.1	17.1	17.5	17.1	16.5	17.8
MEANS	1014.2	1015.5	1014.5	1015.3	1013.3	1014.4	1013.7	1013.6	1014.7

OCTOBER 1969 .

شهر الاول - ١٩٦٩

TABLE - 3 .

المعدل اليومي للرطوبة النسبية (٪)

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	31	47	32	45	29	40	32	55	43
2	35	55	36	44	31	39	34	48	45
3	38	51	28	32	32	44	31	57	46
4	32	51	23	23	28	32	33	54	37
5	25	41	27	26	27	27	33	44	34
6	28	53	26	39	29	33	28	44	34
7	32	62	34	38	32	39	38	59	36
8	31	56	33	29	33	44	38	60	38
9	34	54	32	42	32	39	32	59	39
10	37	55	43	56	33	42	34	58	45
11	37	54	33	43	32	38	39	55	37
12	29	58	28	32	30	38	39	53	38
13	41	54	27	28	34	44	39	61	41
14	34	52	23	26	33	42	34	63	39
15	38	57	23	26	37	45	35	64	42
16	32	58	24	31	35	39	39	47	36
17	39	55	26	27	33	40	35	41	38
18	37	60	26	28	34	38	37	55	48
19	35	52	28	28	34	36	36	56	37
20	39	58	28	33	38	34	35	58	28
21	39	60	38	43	38	42	33	62	44
22	41	59	32	28	38	44	37	58	42
23	36	57	32	28	38	41	36	63	39
24	35	60	25	27	39	40	34	62	36
25	40	57	28	21	34	39	34	62	41
26	35	58	24	22	33	36	33	60	38
27	39	60	25	22	36	41	34	70	42
28	42	58	28	26	34	38	32	63	43
29	44	63	27	23	41	41	33	58	39
30	42	64	25	23	40	40	35	64	44
31	38	58	25	27	40	41	33	62	45
MEANS	35	55	29	31	33	39	33	57	39

OCTOBER 1960.

TABLE 4-B

DAILY MAXIMUM AND MINIMUM TEMPERATURES (°C)

DATE	BAGHDAD MAX.	BAGHDAD MIN.	MOSUL MAX.	MOSUL MIN.	KIRKUK MAX.	KIRKUK MIN.	KHANAQIN MAX.	KHANAQIN MIN.	RUTBAH MAX.	RUTBAH MIN.
1	36.0	18.2	34.9	14.5	37.2	19.0	36.7	19.0	33.1	16.6
2	36.6	20.3	34.1	15.3	36.6	19.1	34.7	19.1	33.0	15.0
3	37.0	17.5	35.0	12.1	36.4	18.4	34.4	18.0	34.3	13.0
4	38.0	21.6	36.2	15.0	37.7	19.9	36.4	19.1	35.0	16.0
5	40.4	21.6	36.2	13.0	37.7	21.3	36.1	20.6	36.0	17.0
6	39.2	20.2	33.6	9.8	38.0	19.8	36.6	20.6	34.5	15.0
7	36.6	16.1	33.1	11.6	36.8	19.6	36.0	19.0	32.0	15.0
8	33.6	14.3	33.1	11.6	36.4	19.4	34.8	18.0	32.0	14.0
9	33.2	14.0	31.0	10.6	34.8	18.4	33.8	17.8	31.0	13.0
10	34.0	15.2	34.4	12.0	36.6	19.2	34.8	18.4	33.0	15.0
11	32.8	13.6	31.0	12.6	34.6	18.0	31.1	16.8	30.0	13.0
12	33.2	14.0	30.6	9.2	34.0	17.4	32.2	16.2	30.0	11.0
13	34.0	15.0	32.6	8.2	34.2	17.2	33.0	16.7	30.5	11.0
14	34.0	15.0	33.1	9.4	35.0	18.0	33.4	17.0	31.0	12.0
15	37.4	16.4	35.0	9.6	36.8	18.6	35.0	17.8	32.0	12.0
16	37.4	16.0	36.8	10.2	37.4	19.4	35.6	18.0	32.0	13.0
17	36.2	15.6	36.7	8.2	37.1	19.1	35.4	18.0	34.0	13.0
18	36.0	15.6	36.6	7.6	36.8	19.1	35.0	18.0	34.0	13.0
19	36.6	15.3	36.1	8.4	36.9	19.1	34.6	18.0	33.0	14.0
20	36.7	16.0	34.5	15.5	36.1	19.2	33.5	18.2	32.0	14.0
21	31.7	16.5	28.2	13.6	27.1	17.5	29.1	21.4	24.0	14.0
22	31.8	11.8	29.4	7.9	29.2	14.8	30.6	22.4	26.7	11.0
23	31.6	12.4	30.1	8.6	29.7	14.8	30.0	12.8	30.0	11.0
24	32.2	11.4	30.3	5.4	30.5	13.9	30.6	11.1	31.0	10.0
25	33.0	13.6	29.2	6.3	31.9	14.8	30.6	11.1	32.0	10.2
26	32.3	13.1	31.6	5.9	32.0	15.4	31.1	11.1	32.0	9.6
27	33.8	12.6	34.1	6.8	32.7	15.7	32.2	11.8	32.4	9.4
28	34.0	12.0	35.0	7.5	33.4	15.7	32.2	12.4	33.0	9.0
29	33.0	12.3	32.5	6.7	34.2	16.3	33.0	12.2	32.2	9.5
30	32.8	11.8	31.8	6.4	33.1	14.8	32.2	12.2	30.0	8.5
31	32.0	13.8	28.9	6.5	34.9	16.1	31.7	12.2	31.3	12.6
MEANS	34.7	15.1	32.6	9.7	33.0	16.8	32.8	14.1	31.4	12.5

RECORDS OF TEMPERATURES:

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	41.6	2	1947	3.9	29	1946
MOSUL	41.3	3&4	1952	0.0	25	1947
KIRKUK	41.4	2	1953	1.1	29	1946
KHANAQIN	42.2	2	1953	3.9	14&15	1948
RUTBAH	38.4	6	1953	0.6	15	1948

OCTOBER 1960.

تشرين الاول ١٩٦٠

TABLE 4-b

درجات الحرارة العظمى و الصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حي		حبانية		ديوانية		ناصرية		بصرة	
	HAI		HABBANIYA		DIWANIYA		NASIRIYA		BASRAH	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	36.●	18.4	34.9	17.2	35.8	16.●	37.2	18.6	35.9	18.●
2	35.6	2●.●	34.6	18.8	35.●	18.8	38.1	19.●	36.2	2●.8
3	36.4	2●.●	36.●	15.8	35.●	16.●	37.●	18.8	36.4	17.2
4	37.3	19.4	38.3	16.7	38.●	18.6	39.●	18.4	38.●	17.5
5	39.3	17.8	37.8	18.8	39.●	18.8	39.6	18.8	39.9	19.7
6	39.3	17.8	36.7	18.8	4●.●	2●.4	42.5	2●.5	4●.2	2●.5
7	32.4	2●.6	29.●	14.5	31.●	18.●	34.9	2●.●	35.●	21.●
8	32.8	14.●	31.1	12.6	3●.8	12.●	32.4	13.3	31.5	14.8
9	33.6	15.4	33.●	13.9	34.●	12.6	34.2	15.4	33.2	15.9
1●	34.4	17.3	32.2	15.7	34.8	13.2	35.5	16.5	34.9	17.8
11	32.8	18.8	31.5	16.1	32.●	17.●	33.●	18.6	32.3	16.7
12	32.2	15.6	31.7	14.4	31.8	14.2	33.1	15.5	32.●	15.6
13	32.●	14.2	32.8	15.●	32.●	12.5	33.●	14.5	32.1	13.8
14	33.8	15.●	33.5	11.7	33.4	12.●	34.●	13.6	32.7	13.7
15	36.●	15.6	35.6	15.1	35.5	13.2	36.●	14.6	34.1	14.9
16	35.8	14.6	35.9	17.7	35.5	16.●	35.8	14.9	35.●	15.●
17	36.●	13.6	34.5	15.1	36.●	15.2	36.●	15.4	37.2	15.8
18	34.4	14.6	34.7	13.1	35.2	15.●	36.●	15.5	33.2	17.7
19	35.6	13.8	35.4	13.2	37.●	13.6	36.5	15.6	35.●	18.●
2●	35.4	13.6	35.6	2●.●	37.4	14.6	36.5	16.6	36.3	17.7
21	32.6	14.8	31.7	17.3	3●.6	15.5	35.●	16.5	34.●	17.●
22	28.4	13.6	27.9	11.6	28.●	1●.5	28.6	14.●	28.2	17.2
23	3●.4	12.1	29.8	11.4	29.7	1●.2	3●.6	12.6	3●.●	13.8
24	3●.8	13.1	31.1	11.1	3●.●	9.4	31.3	11.9	3●.7	12.7
25	32.●	12.8	32.5	12.●	32.●	11.2	32.6	11.●	31.7	12.4
26	31.8	12.6	32.1	11.9	32.8	11.9	32.6	11.3	32.●	12.4
27	32.8	14.●	31.9	11.●	32.●	11.9	33.2	11.5	31.4	12.1
28	33.4	14.2	32.8	11.●	31.5	12.●	32.8	11.●	33.6	13.2
29	33.8	13.2	32.2	11.5	32.4	13.●	33.2	1●.4	32.8	12.3
3●	32.6	11.8	31.4	1●.6	32.2	11.8	32.8	11.●	32.6	12.7
31	32.6	13.8	3●.7	13.1	32.●	13.●	32.6	13.●	31.7	13.7
MEANS	33.9	15.4	33.2	14.4	33.9	14.1	34.7	15.1	33.9	15.9

RECORDS OF TEMPERATURES : القراءات الماضيـــــة :

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
HAI	43.9	3	1947	6.7	15	1948
HABBANIYA	42.2	2	1953	5.6	29	1946
DIWANIYA	43.9	2	1947	2.8	18	1948
NASIRIYA	43.9	1	1951	7.8	3●	1948
BASRAH	45.6	1	1951	6.1	6	1941

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TABLE - 5 . المعدل الشهري لدرجة الحرارة الصغرى (مئوية)

MONTHLY MEAN DRY BULB TEMPERATURES (°C)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	18.2	16.6	22.6	31.1	33.9	29.9	23.1	19.7	24.5
MOSUL	12.4	10.6	19.6	30.6	31.1	24.4	18.1	13.6	20.8
KIRKUK	19.4	17.2	25.5	36.7	38.1	30.5	24.2	20.1	26.3
KHANAQIN	12.2	10.3	23.9	34.6	32.5	28.1	23.8	17.8	25.7
RUTBAH	13.4	12.3	16.1	30.1	34.3	27.1	20.5	17.1	21.4
HAI	14.1	13.9	23.9	34.1	38.1	29.4	23.6	18.6	25.4
DIWANIYA	16.8	15.7	24.4	32.1	33.4	27.4	21.3	19.9	24.9
NASIRIYA	17.2	16.8	24.1	32.6	34.1	27.8	21.3	19.6	24.4
BASRAH	16.3	15.4	24.3	31.3	33.8	28.1	21.4	19.3	24.2
HABBANIYA	16.8	15.6	22.3	30.1	32.3	28.6	21.1	19.7	22.8

TABLE - 6. المعدل الشهري لدرجات الحرارة العظمى (مئوية)

MONTHLY MEAN MAXIMUM TEMPERATURES (°C)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.6	11.2	14.5	18.8	18.2	17.8	15.8	13.8	15.2
MOSUL	9.7	8.5	13.4	17.7	18.6	16.2	13.4	12.9	13.6
KIRKUK	11.6	11.0	15.3	17.8	17.2	15.1	13.4	12.3	14.1
KHANAQIN	9.8	8.8	14.1	17.3	17.9	16.2	13.4	11.7	13.7
RUTBAH	8.8	8.0	12.9	15.9	16.7	15.2	13.2	10.8	13.3
HAI	10.8	10.8	14.7	18.1	18.1	15.5	13.2	11.9	13.8
DIWANIYA	11.7	10.5	16.1	19.4	19.7	17.2	14.7	13.1	15.2
NASIRIYA	11.4	10.3	14.6	18.3	19.8	16.6	13.8	12.1	14.8
BASRAH	13.6	13.8	18.3	21.5	22.9	20.8	16.4	15.3	18.2
HABBANIYA	11.3	10.7	14.7	17.5	18.1	16.9	13.3	12.1	14.5

TABLE - 7 . المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mb) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	14.9	14.3	15.7	15.9	13.4	13.3	14.1	14.3	14.5
MOSUL	16.1	16.7	17.1	15.3	13.4	13.8	15.4	16.1	15.5
KIRKUK	15.9	15.4	15.6	14.1	12.4	13.2	15.6	15.8	14.5
KHANAQIN	14.9	15.6	14.8	13.2	14.7	12.6	14.6	15.1	14.1
RUTBAH	14.9	15.6	16.8	15.5	14.3	14.2	15.4	15.1	15.1
HAI	14.9	13.2	14.5	13.9	12.5	11.9	13.5	14.3	13.3
DIWANIYA	13.7	14.2	15.9	15.1	13.6	12.8	14.2	14.3	14.1
NASIRIYA	13.4	13.9	15.1	14.3	13.8	12.5	13.6	14.2	13.9
BASRAH	13.8	13.4	14.7	14.8	12.5	12.5	13.5	13.3	13.5
HABBANIYA	14.4	15.1	16.1	15.3	13.6	13.8	14.6	14.6	14.6

TABLE - 8 . المعدل الشهري للرطوبة النسبية (٪)

MEAN MONTHLY RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	45	49	38	23	17	29	37	43	35
MOSUL	75	78	54	34	27	43	59	70	55
KIRKUK	36	39	30	20	17	23	31	33	29
KHANAQIN	38	38	28	19	19	23	27	30	26
RUTBAH	38	40	35	24	19	22	30	34	30
HAI	47	47	37	25	24	31	35	38	33
DIWANIYA	50	58	39	26	27	32	39	45	39
NASIRIYA	44	44	31	20	18	27	37	42	33
BASRAH	69	73	54	39	36	51	63	65	56
HABBANIYA	49	54	40	23	19	36	45	47	39

TABLE - 9 . المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.8	9.2	10.3	10.2	9.1	11.5	10.6	10.2	10.1
MOSUL	10.5	9.9	11.8	10.9	10.5	13.0	12.2	11.1	11.2
KIRKUK	7.8	7.8	9.4	8.6	7.6	7.8	8.4	7.9	8.2
KHANAQIN	....	6.6	8.4	8.7	9.0	8.7	7.7	....	8.2
RUTBAH	6.5	6.5	8.2	8.5	8.3	8.1	7.5	6.7	7.5
HAI	....	8.5	10.8	11.8	11.5	10.5	9.4	....	10.4
DIWANIYA	9.4	9.3	12.0	12.5	12.1	11.6	10.7	10.2	10.9
NASIRIYA	8.5	8.2	9.2	9.7	9.6	10.1	10.5	9.8	9.5
BASRAH	14.5	13.7	16.3	17.7	17.9	18.0	17.6	15.4	16.4
HABBANIYA	9.3	9.5	10.8	9.8	9.3	12.0	11.1	10.0	10.2

TABLE - 10 . المعدل الشهري لدرجات الندى (سنتيغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	6.4	5.4	7.1	7.1	5.3	8.8	7.6	7.0	6.8
MOSUL	7.6	6.8	9.2	10.9	10.5	10.7	12.2	8.4	9.5
KIRKUK	3.1	3.1	5.9	3.4	3.1	3.1	4.1	3.2	3.8
RUTBAH	-0.3	-0.1	3.3	3.8	3.3	3.3	2.3	0.7	2.0
HAI	....	4.4	7.6	9.4	8.8	7.5	9.4	....	7.9
DIWANIYA	6.3	5.7	8.7	10.0	9.5	8.9	7.8	7.0	7.9
NASIRIYA	5.0	3.7	5.5	6.4	6.1	7.0	7.5	6.4	6.0
BASRAH	12.4	11.5	14.1	15.3	15.4	18.0	17.6	13.3	14.7
HABBANIYA	5.7	5.9	7.6	6.6	5.7	9.4	8.4	6.7	7.0

TABLE - 11 . المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD AMOUNT (OKTAS)

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

TABLE - 12 . المعدل الشهري لكمية الغيوم الكلية (بالاثمان)

MONTHLY MEAN TOTAL CLOUD AMOUNT (OKTAS)

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

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TABLE 13-a .

عدد تكرار رصدات الرياح السطحيـــــة

SURFACE-WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	الاتجاه DIRECTION N	NE	E	SE	S	SW	W	NW	السرعة بالعقد SPEED IN KNOTS CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
بغداد BAGHDAD	0000	1	2	1	1	0	0	3	12	11	20	0	0	0	3
	0300	4	1	2	1	0	0	4	9	10	21	0	0	0	3
	0600	2	0	0	1	1	0	8	16	3	27	1	0	0	5
	0900	1	0	1	2	2	0	5	20	0	27	4	0	0	8
	1200	7	1	0	0	2	1	2	18	0	24	7	0	0	8
	1500	2	0	1	1	0	1	6	9	11	20	0	0	0	3
	1800	1	0	1	0	0	1	5	7	16	14	1	0	0	2
	2100	0	1	1	1	0	0	0	15	13	18	0	0	0	2
	TOTAL	18	5	7	7	5	3	33	1[illegible]	64	171	13	0	0	4
موصل MOSUL	0000	8	0	2	0	1	0	11	2	7	22	2	0	0	4
	0300	12	0	1	0	1	1	13	3	1	29	1	0	0	4
	0600	8	1	1	1	2	0	12	4	2	27	2	0	0	5
	0900	8	0	3	2	1	0	10	5	2	23	6	0	0	6
	1200	2	1	3	2	2	3	13	3	2	24	5	0	0	7
	1500	0	2	1	4	0	3	18	3	0	30	1	0	0	5
	1800	8	0	1	0	0	0	19	1	2	24	5	0	0	6
	2100	3	1	1	2	0	1	13	4	6	24	1	0	0	4
	TOTAL	49	5	13	11	6	8	109	25	22	203	23	0	0	5
كركوك KIRKUK	0000	0	8	0	0	0	0	1	0	22	9	0	0	0	1
	0300	0	7	1	0	0	0	1	0	22	9	0	0	0	1
	0600	0	2	1	3	0	0	2	0	23	7	1	0	0	1
	0900	3	0	0	1	5	3	9	2	8	21	1	1	0	4
	1200	0	0	0	0	1	8	12	3	7	20	3	1	0	6
	1500	0	0	0	1	0	3	18	3	6	24	1	1	0	4
	1800	0	0	0	0	0	1	3	0	27	4	0	0	0	1
	2100	3	3	0	0	0	0	0	0	25	5	0	0	0	1
	TOTAL	6	20	2	5	6	15	46	8	140	100	6	2	0	2
خانقين KHANAQIN	0300	0	0	8	0	2	0	4	0	17	14	0	0	0	2
	0600	2	0	3	0	1	0	3	0	22	9	0	0	0	1
	0900	1	0	0	0	5	0	14	2	9	21	0	1	0	4
	1200	3	0	2	0	3	0	15	4	4	26	0	1	0	5
	1500	1	0	0	0	3	0	15	2	10	21	0	0	0	3
	1800	0	0	4	2	4	0	2	1	18	12	1	0	0	2
	TOTAL	6	0	17	2	18	0	53	9	80	103	1	2	0	3
وطبة KUTBAH	0000	0	0	0	0	0	13	1	4	13	18	0	0	0	2
	0300	1	0	0	0	0	12	6	3	9	21	1	0	0	4
	0600	1	0	0	0	1	11	9	4	5	25	1	0	0	4
	0900	6	0	3	1	5	4	3	9	0	29	1	1	0	6
	1200	5	1	1	2	3	3	7	8	1	23	7	0	0	7
	1500	8	3	3	3	2	1	4	6	1	27	3	0	0	5
	1800	5	1	3	2	3	0	0	6	11	19	1	0	0	3
	2100	0	0	0	2	2	5	1	3	18	12	1	0	0	2
	TOTAL	26	5	10	10	16	49	31	43	58	174	15	1	0	4

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ABLE 13-b.

(تشرين الاول ١٩٦٦)

عدد تكرار رصد اتجاه الرياح السطحية

SURFACE - WIND , NUMBER OF OBSERVATIONS OF ;

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
حسن	0300	0	1	0	0	0	0	5	12	9	18	0	0	0	6
	0600	2	0	0	1	0	0	6	12	8	18	0	0	0	8
	0900	1	0	2	1	1	0	4	15	8	9	2	0	0	9
	1200	2	0	1	1	0	0	6	20	6	12	3	0	0	11
	1500	1	0	1	0	0	0	6	13	8	12	1	0	0	9
	1800	1	0	0	1	0	0	2	14	8	20	3	0	0	8
	TOTAL	7	1	7	4	1	0	30	90	46	98	38	4	0	7
ديوانية	0000	4	1	1	1	0	0	13	5	1	23	1	0	0	4
	0300	4	0	0	0	0	0	18	8	6	25	0	0	0	3
	0600	7	0	0	3	1	1	12	6	3	31	4	0	0	5
	0900	5	0	0	2	0	2	12	6	3	19	4	0	0	5
DIWANIYA	1200	0	1	0	1	1	1	11	8	2	17	2	0	0	6
	1500	1	0	1	1	0	0	7	6	2	22	0	0	0	4
	1800	8	0	3	1	0	1	8	4	0	24	1	0	0	5
	2100	7	1	2	0	4	0	8	8	4	26	1	0	0	4
	TOTAL	42	3	7	6	3	5	95	49	39	181	29	0	0	5
ناصرية	0000	3	0	1	0	6	1	12	7	1	38	0	0	0	5
	0300	6	1	1	1	2	2	19	4	1	36	0	0	0	5
NASIRIYA	0600	1	0	0	1	1	1	18	9	0	38	1	0	0	6
	0900	2	0	0	1	0	1	16	12	0	28	6	0	0	6
Only the	1200	3	0	1	0	1	0	6	15	0	18	8	0	0	7
5 &	1500	0	1	2	1	0	1	14	14	0	21	0	0	0	7
18 are	1800	4	0	4	2	0	2	5	12	2	29	0	0	0	5
Incomplete	2100	2	0	0	0	3	0	9	9	4	23	0	0	0	5
	TOTAL	15	2	9	6	13	8	84	79	24	281	15	0	0	5
بصرة	0000	0	0	0	1	1	0	5	14	10	21	0	0	0	3
	0300	1	1	0	0	2	0	8	12	12	19	0	0	0	4
	0600	1	0	2	0	1	1	7	17	7	22	2	0	0	6
	0900	2	0	0	0	1	0	3	16	9	17	5	0	0	6
BASRAH	1200	4	0	0	0	0	0	2	16	9	12	10	0	0	7
	1500	4	0	0	0	0	0	3	15	9	22	0	0	0	7
	1800	4	0	0	0	0	0	4	9	15	16	1	0	0	5
	2100	4	0	0	0	1	0	3	16	13	17	1	0	0	5
	TOTAL	20	1	2	1	5	1	39	105	83	146	19	0	0	4
جبايش	0000	1	0	1	1	0	0	3	5	28	9	2	0	0	2
	0300	0	0	0	0	1	1	5	7	17	13	1	0	0	2
	0600	4	0	0	0	1	1	6	3	6	23	2	0	0	4
	0900	2	0	0	0	1	1	6	8	1	26	4	0	0	6
JUBAILIYA	1200	4	0	0	0	4	0	7	9	3	21	7	0	0	7
	1500	2	0	0	1	0	0	3	6	19	12	0	0	0	4
	1800	1	0	2	0	0	0	2	3	23	8	0	0	0	4
	2100	1	0	1	1	0	1	2	4	21	8	2	0	0	2
	TOTAL	15	0	4	3	9	4	34	69	118	128	18	0	0	3

OCTOBER 1960.

(10)

تشرين الاول ١٩٦

TABLE 14-a.

الهطول اليومي (ملليمترات)

DAILY PRECIPITATION (MM) , tr. < 0.05 mm.

التاريخ	بغداد	موصل	كركوك	خانقين	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1										
2										
3										
4										
5	tr.									
6			tr.							
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19			tr.							
20			tr.							
21										
22										
23										
24										
25										
26										
27										
28										
29										
30					tr.					
31										
TOTAL	tr.	0.0	tr.	0.0	tr.	0.0	0.0	0.0	0.0	0.0

RECORDS OF RAINFALL : المقاييس الماضية

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	15.8	30	1937
MOSUL	27.4	27	1924
KIRKUK	9.0	31	1939
KHANAQIN	54.8	30	1937
RUTBAH	30.1	27	1937
HAI	9.5	22	1959
DIWANIYA	5.9	21	1959
NASIRIYA	8.5	31	1954
BASRAH	4.2	31	1954
HABBANIYA	5.2	20	1942

OCTOBER 1960.

تشرين الاول ١٩٦٠ (11)

TABLE 14-b

الهطول اليومي (مليمترات)

DAILY PRECIPITATION (MM) , tr. (0.05 mm.

التاريخ	طوسان	عمادية	فتحة	طقطق	سناط	تلعوينات
DATE	TUSAN	AMADIA	FATHA	TAQTAQ	SANAT	TELAKAINAT
1						
2						
3						
4						
5						
6					2.0	
7						
8						
9		tr.				
10		tr.				
11						
12						
13						
14						
15						
16						
17						
18						
19						
20	2.4	tr.				
21						0.5
22						
23						
24						
25						
26						
27						
28						
29						
30			tr.			
31				tr.		
TOTAL	2.4	tr.	tr.	tr.	2.0	0.5

NOTE: THE FOLLWOING STATIONS HAD NO RAINFALL AND THE TOTAL IS 0.0 mm.

Stations: Sedikan, Koisinjang, Kadirkaram, Koufri, Ifraz, Dukan, K2, Shaqlawa, Hawijah, Fai, Telaafar, Iftkhar, Halabja, Chuarta, Baiji, Tuz, Samirraa, Mansoor, Sedour, Badra, Karbalaa, Hindia, Ali al Gharbi, Shabicha, Salman, Samawa, Sinjar and Maqil.

TABLE 15.

CLIMATOLOGICAL SUMMARY : الملخصات المناخية :

No. OF DAYS OF PHENOMENA : عدد الايام التي حدثت فيها الظواهر الجوية :

المحطة	مطر	ثلج	برد	رعد	ضباب	تراب	السماء صاحية	السماء غائمة	صقيع
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY	GROUND FROST
BAGHDAD	0	0	0	0	0	0	25	0	0
MOSUL	0	0	0	1	0	1	23	0	0
KIRKUK	0	0	0	0	0	1	28	0	0
KHANAQIN	0	0	0	0	0	0	25	0	0
UTBAH	0	0	0	0	0	1	23	0	0
AI	0	0	0	0	0	0	25	0	0
DIWANIYA	0	0	0	0	0	0	25	0	0
NaSIRIYA	0	0	0	0	0	0	0	0	0
ASRAH	0	0	0	0	0	0	26	0	0
ABBANIYA	0	0	0	0	0	0	24	0	0

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس :

المحطة	المجموع الشهري لسطوع الشمس	اكبر مدة لسطوع الشمس		عدد الايام التي لم تظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	DATE	NO. OF DAY WITHOUT SUNSHINE
BAGHDAD	315.5	11.0	2	0
MOSUL	292.7	10.7	1,3&11	0
BASRAH	313.0	11.0	3&4	0
HABBANIYA	300.9	11.1	1,2&3	0

TABLE 17.

MONTHLY MEAN TEMPERATURES OF : المعدلات الحرارية

المحطة	الحشيش	الترب	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	13.1	27.2	28.7
MOSUL	....	25.0	28.0
KIRKUK	12.1	25.3	27.0
AI	11.2	....	....
NASIRIYA	11.1	....	....
BASRAH	11.4	....	....
HABBANIYA	12.4	26.0	28.1

TABLE 18-a

Month: October 1960.

Radiosonde Observations at 0300 and 1500 G.M.T. at BAGHDAD AIRPORT

Date	Surface							1000 mbs.			850 mbs.			700 mbs.			600 mbs.		
								HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td
1	0300	92	984	118	25	06	13	166	25	14	527	21	01	176	11	63	436	61	70
2	0300	93	984	121	25	09	31	08	168	25	13	535	20	09	161	07	51	414	00	62
3	0300	92	982	119	25	09	31	09	168	21	12	533	21	02	178	12	62	445	03	70
4	0300	92	982	117	25	09	31	07	168	22	05	526	19	52	152	07	60	409	01	71
5																			
6																			
7	NO RADIOSONDE																		
8																			
9																			
10																			
11	0300	82	982	139	25	12	30	07	119	22	13	523	16	01	152	09	65	412	01	73
12	0300	81	982	117	18	03	33	08	100	21	08	508	17	54	142	10	73	404	02	80
13	0300	82	982	118	18	08	32	04	100	19	09	502	16	56	128	08	68	384	01	75
14	0300	82	982	118	18	08	00	00	120	20	07	523	16	01	147	08	67	396	51	77
15	0300	82	982	118	17	04	00	00	127	25	12	548	19	52	177	08	65	449	51	73
16	0300	82	983	117	25	06	33	02	105	23	06	531	20	53	161	08	63	413	51	70
17	0300	82	982	119	20	03	04	33	103	22	06	521	19	51	146	06	61	386	53	70
18	0300	84	981	134	18	08	00	00	114	27	10	529	17	02	145	04	60	375	56	68
19	0300	81	980	134	18	08	00	00	114	27	10	529	17	02	145	04	60	375	56	68
20	0300	81	981	141	25	05	12	06	120	22	02	527	18	01	145	05	60	383	54	67
21	0300	82	981	139	20	08	30	06	133	22	12	547	19	02	170	05	55	405	55	61
22	0300	84	980	101	15	06	29	02	152	20	09	541	12	54	138	03	67	372	54	77
23	0300	84	984	153	12	03	30	02	134	17	09	518	13	00	158	05	62	396	53	70
24	0300	82	982	187	16	04	00	00	162	20	07	555	15	51	181	07	60	423	53	67
25	0300	84	989	199	16	04	29	02	162	25	14	573	17	04	199	08	57	455	00	65
26	0300	83	987	185	17	03	00	00	149	19	09	553	16	03	173	07	57	420	50	65
27	NO RADIOSONDE																		
28	0300	82	981	161	15	05	00	00	140	20	04	549	17	00	181	07	62	422	53	71
29	0300	81	989	161	15	07	00	00	140	25	02	551	19	50	186	08	61	434	52	69
30	0300	85	984	178	16	08	00	00	153	19	07	563	19	03	200	09	58	456	50	64
31	10931	82	986	185	15	06	00	00	160	22	08	564	16	53	193	08	62	429	53	64

TABLE 18-b

Month: October 1966.

Radiosonde observations at standard levels (0000 G.p.m.) at [illegible] AIRPORT

DATE	500 mbs.			400 mbs.			300 mbs.			200 mbs.			150 mbs.		
	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td
1	585	58	[illegible]	[illegible]	[illegible]	[illegible]	964	83	99	240	08	14	424	11	-
2	585	59	[illegible]	[illegible]	72	[illegible]	950	85	98	224	99	11	408	11	-
3	589	58	78	[illegible]	[illegible]	[illegible]	964	84	00	237	02	13	418	14	
4	585	58	78	754	76	86	962	85	95	235	02	12	417	13	
5															
10	NO RADIOSONDE														
11	585	59	82	754	71	93	960	87	07	225	05		418	11	
12	584	60	68	[illegible]	[illegible]	[illegible]	956	86	13	227	00	-	412	08	
13	582	61	81	748	75	91	953	86	02	227	99	14	413	08	
14	582	62	83	749	74	95	954	87	08	226	00	18	411	08	
15	588	60	82	756	73	93	959	88	07	221	01	18	405	08	
16	584	62	79	751	76	92	953	91	04	216	03	15	401	06	20
17	580	63	79	746	77	92	946	93	06	210	06	17	394	08	19
18	578	65	75	742	79	88	947	93	03	206	06	15	388	10	17
19	No radiosonde														
20	580	64	78	745	75	88	949	89	02	217	05	16	398	09	22
21	581	65	82	746	78	90	947	90	02	214	04	15	396	11	21
22	579	64	84	744	77	93	945	90	06	211	07		393	09	
23	581	64	79	747	75	90	949	91	05	213	09	16	393	11	
24	584	65	77	748	79	91	947	95	05	207	12	21	385	13	22
25	589	61	76	756	74	87	958	92	06	222	09	18	398	14	
26	585	61	74	752	75	87	954	90	01	219	09	18	396	17	
27	No radiosonde														
28	584	63	80	750	76	90	951	92	03	214	08	17	392	15	
29	586	62	78	752	75	89	955	90	02						
30	589	61	69	757	72	78	963	86	92	233	05	10	412	15	21
31	584	64	70	750	77	81	951	91	95	215	10	15	392	14	19

TABLE - 19

Month: October 1960.

Average Height and Temperatures for Selected stations at (0001 G.M.T.)

850 , 700 & 500 - mbs., Surface , 0001 G.M.T. (Average height and Temperature)

STATIONS	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850 - mbs	154	19	13	155	17	11	153	11	10	153	16	10	153	17	14	153	20	13	154	20	9	152	21	12
700-mbs.,	318	7	13	316	6	16	313	2	16	314	4	14	316	7	16	317	9	12	319	10	10	317	8	15
500-mbs.,	586	-10	16	583	-13	19	577	-14	32	580	-12	21	583	-11	21	588	-7	17	590	-6	11	588	-6	11

Average Height and Temperatures for selected stations at (1200 G.M.T.)

850, 700 & 500 - mbs., Surface , 1200 G.M.T. (Average height and temperatures)

STATIONS	62366			17606			17130			40754			40650			40427			40477			40597		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.,	155	19	11	155	17	9	155	14	12	153	19	9	153	19	13	153	20	13	154	20	11	152	21	13
700-mbs.,	318	7	12	317	5	15	315	3	19	316	5	11	317	7	16	317	9	12	319	10	11	316	9	17
500-mbs.,	586	-10	15	583	12	18	578	-14	30	584	-13	20	584	-9	19	588	-8	17	590	-6	10	587	-5	12

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20-a

BAGHDAD AIRPORT

Month: October 1960

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						2										4		1							7
>3 -5KM				1	2							1	1	1	1	9	2	3	2			1			24
>5 -10KM	3		1	9	13	3	3	3	1	1	2	1	2	4	11	14	14	3	4	4	4	2	4	3	109
>10 -15KM	6	10	11	15	8	12	11	8	8	7	5	2	5	3	11	4	14	13	13	10	9	7	7	6	205
>15KM	22	21	19	6	7	14	17	20	22	23	24	27	23	23	8		1	11	12	17	18	21	20	22	398
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 number 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.

Heights	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	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

Table 20-b

(17)

Month: October 1960.

BAGRAH 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 -250M																									
>250 -500M																									
>500 -1000M																									
>1000 -1500M																									
>1500 -3000M							1/1	2/2	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1									11
>3 -5KM				1/1	2/2	1/1			1/1		1/1	1/1	2/2	2/2	2/2	2/2	1/1	2/2	1	1					20
>5 -10KM				2	2	2	1/2			1/2		1/2	1/2	1/2	3/4	4/5	2/4	1/2	3/4	2/7	5	3	1	2	53
>10 -15KM	3	2	2	6	3	4		2	2	1	2	1	1	4	6	2	3	4	6		4	6	6	4	74
>15KM	28	29	29	22	24	24	28	27	27	27	27	26	25	22	18	21	23	23	20	23	22	22	24	25	586
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 number 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 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M				1	2	1	1	2	3	3	3	2	2	2	3	2	3	3	2	2	2	1	1	1	42

TABLE 21-a

Month: October 1963

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	3	9	3	6	15	11	22	6	17	31	31	31
900			4	1	9	1	3	14	7	5	4	23	23	31	31	31
AND ≥ 5/8			4	2	1	14	4	2	38	13	7	68	12	21	124	31	31	248
				1	3	9	3	6	15	11	22	6	17	31	31	31
TOTAL			4	1	9	1	2	14	7	5	4	23	23	31	31	31
			4	2	1	14	4	2	38	13	7	68	12	21	124	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 21-b

Month: October 1950.

BASRAH AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≤ 5 Oktas)

HEIGHT METERS	VISIBILITY									TOTAL
	0-200M	>200-500M	>0.5-1KM	>1-1.5KM	>1.5-3KM	>3-5KM	>5-10KM	>10-15KM	>15KM	
0-50					1	1	2	2 3 6	28 22 28	31 31 31
>50-150			1 1	1	2	2 2	2 5 1	1 2	27 25 21	31 31 31
>150-300				4 1		6 4	3 20 6	6 25	20 22 193	31 31 248
>300-500				1	1		2 2 3	6	28 22 28	31 31 31
>500-900			1 1	1	2	2 2	2 5 1	1 2	27 25 21	31 31 31
(5/8 OR * 900 AND ≥5/8				4 1		6 4	3 20 6	6 25	20 22 193	31 31 248
TOTAL										

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.

الجمهورية العراقية

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مديرية الطيران المدنى العامة

REPUBLIC OF IRAQ

MINISTRY OF COMMUNICATIONS

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CLIMATOLOGICAL SECTION

تقرير المناخ الشهرى

Monthly Climatological Data

No. : 11
Vol. 23
Month November
Year 1960

العدد : ١١
مجلد ٢٣
الشهر تشرين الثانى
السنة ١٩٦٠

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

مديرية الانواء الجوية

شعبة المناخ

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MINISTRY OF COMMUNICATIONS

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METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية لشهر تشرين الثاني ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR NOVEMBER 1960.

مجلد ٢٣ ، عدد (١١) تشرين الثاني ١٩٦٠

VOLUME 23 , No. (11), November 1960.

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Daily max. & min. temperatures with their records	4ab	4-5	درجات الحرارة العظمى والصغرى اليومية وقراءاتها الماضية
Mean monthly dry bulb temperatures	5	6	المعدل الشهري لدرجات الحرارة للبصلة الجافة
" " wet bulb temperatures	6	6	المعدل الشهري لدرجات الحرارة للبصلة الرطبة
" " pressure at M.S.L.	7	6	المعدل الشهري للضغط الجوي على سطح البحر
" " relative humidity	8	6	المعدل الشهري للرطوبة النسبية
" " vapour pressure	9	7	المعدل الشهري لضغط البخار
" " dew point	10	7	المعدل الشهري لدرجة الندى
" " low cloud amount	11	7	المعدل الشهري لكمية الغيوم الواطئة
" " total cloud amount	12	7	المعدل الشهري لمجموع كمية الغيوم
Surface-wind , number of observations of :	13ab	8-9	عدد تكرار رصدات الرياح السطحية
Daily precipitation and records	14a-g	10-16	الهطول اليومي
Climatological summary	15	17	الملخصات المناخية
Duration of sunshine	16	17	مدة سطوع الشمس
Monthly mean grass min. & earth temperatures	17	17	المعدل الشهري لدرجات حرارة الحشيش والتربة
Radiosonde observations at Baghdad Airport	18ab	18-19	رصدات الراديوسوند في بغداد
850,700&500 mbs., average height and temp.	19	20	المستويات ٨٥٠ و ٧٠٠ و ٥٠٠ ملليبارات معدل الحرارة والارتفاع
Frequency of horizontal visibility at Baghdad & Basra	20ab	21-22	تذبذبات كل من مدى الرؤيا وارتفاع الغيوم في بغداد والبصرة
Combined statistics of visibility and cloud base at Baghdad and Basrah	21ab	23-24	احصائيات مزدوجة لمدى الرؤيا ولقاعدة الغيوم في بغداد وبصرة

تشرين الثاني ١٩٦٠ شهر ممطر وغير مستقر

استقر الجو بصورة عامة في اليومين الاولين في جميع انحاء العراق عدا المنطقة الجنوبية الشرقية حيث تصاعد غبار محلي بسبب وجود منخفض ضحل تشكل محليا . في الايام ٣ و ٤ و ٥ منه مرت سلسلة من الجبهات الباردة قادمة من شرقي البحر المتوسط صحبتها زوابع ترابية ورعدية وهطول امطار في اغلب المناطق خاصة وسط وجنوب العراق . في ١٧ منه تحرك نحو العراق انخفاض جوي قادما من الغرب مصحوبا بجبهات باردة وحارة سبب زوابع رعدية وهطول امطار في المنطقتين الوسطى والجنوبية وامتدت الى المنطقة الشمالية يومي ١٨ و ١٩ منه .

استقر الجو من ٢٠ لغاية ٢٦ منه اذ ساد العراق جو معتدل صحو في غالب الايام بسبب تمركز ضغط عالي على القطر وفي يومي ٢٧ و ٢٨ منه مرت على العراق مركز ضغط واطئ مصحوب بجبهة باردة وجبهة حارة سبب تساقط امطار في انحاء متفرقة من القطر صحبتها بعض الاحيان عواصف رعدية خاصة في الجنوب والوسط ثم تبع ذلك جو مستقر في اليومين ٢٩ و ٣٠ منه .

NOVEMBER 1960 . Unsettled & Rainy month.

On the first two days of the month, settled weather in generall all over the Country, except in the SE areas where local rising dust occurred because of the existance of shallow low centre . On the 3,4 & 5th a series of cold front passed over Iraq coming from East Mediterranean, accompanied by duststorms, thunderstorms and fall of rain in all areas particularly in the middle and south of Iraq. On the 17th, centre of low moved towards Iraq coming from west accompanied by cold & warm fronts caused thunderstorms and fall of rain in the middle & southern areas extended towards northern parts on 18 & 19th of the month.

Settled weather was the main feature on the 20th to 26th of the month were mainly fair or fine weather most of the days because of the high pressure centred over the country. On the 27 & 28th passed Over Iraq a centre low pressure with cold and warm fronts caused rainfall in different parts of the Country with occurrence of thunderstorms particularly in the middle and southern areas, followed by settled weather on 29th and 30th of the month.

TABLE - 1.

المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURES (C°) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	21.8	18.3	23.0	21.3	21.4	22.5	21.4	22.0	20.5
2	24.1	16.5	21.0	17.8	22.7	23.3	23.9	24.5	22.6
3	26.0	19.8	23.4	16.1	26.4	25.8	24.9	25.4	25.0
4	23.8	17.7	20.4	14.7	23.9	23.5	25.7	28.5	22.2
5	22.5	18.0	19.6	14.8	23.0	21.5	25.4	27.0	18.8
6	21.0	17.2	18.3	15.3	22.8	21.7	23.5	26.1	18.9
7	20.0	17.2	18.9	14.7	21.5	21.4	22.6	24.3	18.3
8	19.3	16.9	18.2	16.1	20.2	19.4	20.3	21.4	18.0
9	18.8	15.8	19.4	15.9	19.3	18.4	19.9	20.2	18.4
10	19.0	14.8	19.7	15.0	19.6	18.1	19.8	19.5	17.2
11	17.9	13.1	19.7	15.3	19.4	18.8	18.8	19.5	16.6
12	19.0	13.0	18.4	16.7	20.2	19.3	20.2	19.4	17.3
13	20.0	13.8	17.7	17.6	21.0	19.8	18.6	17.0	18.8
14	20.3	14.3	18.5	17.7	22.3	20.1	20.0	20.2	18.6
15	19.5	14.1	18.8	16.7	20.1	19.7	20.6	20.7	18.3
16	21.0	13.6	18.0	14.2	20.3	21.2	20.7	23.1	19.0
17	21.9	14.5	20.6	15.4	21.2	21.6	21.2	22.0	21.0
18	18.9	14.2	14.2	15.1	18.6	19.0	19.7	24.3	18.3
19	16.4	11.9	13.7	13.1	17.8	16.8	20.3	21.0	17.0
20	13.7	11.0	11.5	11.3	15.3	14.4	16.4	17.0	12.3
21	13.5	11.2	12.0	11.3	14.5	13.5	13.8	14.9	11.3
22	13.6	9.9	11.6	12.1	14.9	13.4	14.1	13.9	12.3
23	14.2	8.3	11.1	12.2	15.4	13.4	14.7	15.6	12.8
24	14.0	8.2	10.6	13.4	15.3	14.5	14.4	15.0	13.1
25	15.3	10.5	12.9	14.0	15.9	16.5	16.1	16.3	14.2
26	18.2	12.2	16.0	14.4	21.1	20.8	20.3	18.8	15.8
27	15.4	13.0	14.7	12.8	21.9	18.0	23.0	23.2	15.8
28	14.2	11.3	13.4	11.8	18.4	16.0	19.6	20.6	14.8
29	14.3	8.2	11.9	12.4	15.9	14.5	15.7	16.5	12.2
30	13.2	9.1	11.3	12.8	15.5	14.1	15.3	15.9	12.8
MEANS	18.4	13.6	16.6	14.7	19.6	18.7	19.7	20.3	17.1

BER 1960. (2) تشرين الثاني ١٩٦٠

I - 2 المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS

	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH	HABBA-NIYA
	1013.9	1015.3	1014.7	1012.2	1013.8	1013.9	1013.8	1014.0	1013.8
	11.8	14.1	13.1	09.7	11.8	11.4	11.8	12.5	11.8
	13.7	17.7	16.6	12.8	13.4	13.1	13.3	14.4	13.5
	14.4	19.1	17.1	14.6	14.3	13.6	13.6	15.2	14.4
	14.7	17.5	16.7	16.4	13.7	13.7	13.6	14.4	15.5
	16.6	18.9	17.7	17.9	15.8	16.6	15.6	15.1	17.4
	17.0	19.2	17.2	18.1	15.3	16.9	15.2	14.4	17.5
	17.2	17.5	17.3	18.3	16.5	17.6	16.8	16.2	17.8
	15.4	17.4	15.5	17.4	14.2	15.5	15.1	14.5	15.9
	14.5	17.7	15.5	17.0	13.5	15.5	14.9	14.1	15.1
	17.9	20.9	18.6	18.7	17.9	18.7	18.0	17.8	18.6
	21.5	23.0	21.9	19.9	20.9	21.5	20.9	20.8	21.8
	20.4	22.3	21.5	18.8	19.5	20.2	20.2	21.4	20.5
	18.6	21.0	19.3	17.5	17.0	18.0	18.2	17.1	17.7
	18.1	20.3	18.4	17.5	17.1	17.8	17.8	17.4	18.3
	17.7	20.2	19.2	17.1	18.0	17.4	18.1	18.5	17.6
	14.2	17.4	15.5	13.3	15.8	15.1	16.1	18.7	13.4
	10.9	10.2	11.0	09.8	13.0	11.7	13.4	15.1	10.2
	11.2	09.9	10.2	11.7	11.7	11.9	12.6	12.5	11.2
	18.8	18.8	18.0	19.3	18.8	19.4	18.7	18.6	19.0
	23.2	24.5	23.9	22.7	22.3	23.1	22.6	23.1	23.5
	20.9	22.2	21.3	20.6	19.3	20.6	20.4	19.5	21.0
	20.4	22.4	21.6	20.3	18.5	20.1	19.8	18.4	20.9
	20.7	22.9	21.9	18.9	19.1	20.2	19.9	18.9	21.0
	20.8	23.8	22.0	19.1	19.9	20.2	20.4	21.6	20.9
	17.2	20.7	19.2	17.4	17.6	16.5	17.6	18.6	17.2
	12.8	14.3	14.0	12.6	12.9	12.3	13.2	14.2	13.0
	16.2	17.5	16.5	16.7	14.6	15.9	14.9	14.5	16.8
	21.0	22.9	21.6	22.0	19.4	20.9	20.0	20.8	21.5
	23.3	24.7	23.7	23.4	21.7	23.0	22.3	21.4	23.8
ANS	1017.2	1019.1	1018.1	1017.1	1016.6	1017.0	1016.9	1017.1	1017.3

NOVEMBER 1960 .

(3) تشرين الثاني ١٩٦٠

TABLE - 3 .

المعدل اليومي للرطوبة النسبيـــــة (%)

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	43	57	24	2●	39	43	38	62	43
2	35	58	26	58	37	36	36	52	40
3	31	6●	39	75	32	47	6●	68	37
4	56	77	63	83	61	7●	56	62	62
5	65	78	71	79	68	69	54	65	83
6	65	83	71	84	64	65	59	59	84
7	69	7●	74	83	64	64	53	64	86
8	68	72	7●	65	64	66	57	72	79
9	6●	66	5●	61	53	59	52	72	63
1●	51	67	29	61	55	54	47	64	64
11	51	58	38	6●	57	51	41	67	59
12	5●	6●	49	53	46	49	41	7●	65
13	49	65	5●	5●	41	47	47	56	55
14	45	67	41	5●	4●	47	41	54	58
15	51	61	41	49	49	52	46	59	65
16	4●	62	45	77	45	49	55	6●	58
17	53	87	55	74	61	65	64	6●	6●
18	85	93	95	73	9●	85	82	8●	92
19	78	87	91	68	83	7●	6●	7●	82
2●	76	79	92	67	75	76	6●	7●	76
21	74	8●	79	64	6●	69	59	7●	8●
22	76	87	8●	6●	65	76	6●	7●	81
23	66	72	69	67	63	69	54	72	77
24	6●	75	65	57	49	66	52	68	74
25	6●	74	68	59	54	51	46	64	72
26	48	84	62	55	37	41	43	55	69
27	71	9●	81	84	43	66	42	6●	84
28	87	88	91	78	72	8●	62	8●	87
29	82	91	9●	77	7●	82	68	82	92
3●	85	96	9●	67	74	79	69	72	94
MEANS	61	75	63	65	57	61	54	67	7●

NOVEMBER 1960 تشرين الثاني ١٩٦٠

TABLE 4-a. درجات الحرارة العظمى والصغرى اليومية (مئوية)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

التاريخ	بغداد		موصل		كركوك		حي		ديوانية	
	BAGHDAD		MOSUL		KIRKUK		HAI		DIWANIYA	
	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	33.1	13.1	31.9	7.5	32.1	15.4	31.9	12.4	32.●	11.6
2	30.2	16.8	25.●	8.5	27.2	16.1	32.1	13.3	32.3	15.4
3	32.1	20.4	28.5	12.9	28.5	17.7	33.3	16.2	32.●	19.5
4	30.●	20.4	23.2	14.1	22.9	19.●	30.7	21.4	29.2	20.6
5	29.5	17.●	24.9	15.6	24.4	15.6	28.●	19.●	26.5	17.8
6	27.4	17.●	24.2	14.3	24.9	14.3	30.4	17.●	29.●	16.5
7	27.1	14.7	25.1	10.6	26.4	13.7	27.8	16.3	28.●	14.6
8	26.6	13.●	25.9	11.9	25.1	13.9	26.4	14.●	26.6	12.4
9	26.8	12.7	25.1	10.9	25.9	13.7	27.●	12.5	26.2	11.4
10	26.8	12.3	26.5	8.1	27.3	15.2	27.●	11.3	27.●	10.6
11	27.8	9.5	25.9	4.9	27.5	15.5	29.2	10.3	27.8	9.●
12	28.2	9.4	25.1	4.2	26.8	12.1	28.7	10.3	27.8	9.●
13	28.2	13.2	22.●	7.9	24.6	11.9	28.8	11.8	28.7	9.5
14	27.7	13.●	25.4	7.7	24.1	12.●	27.6	14.4	29.1	10.7
15	27.6	11.5	25.5	6.2	28.9	11.5	29.3	11.8	29.6	12.2
16	28.4	13.7	24.1	4.6	25.5	9.4	29.6	12.5	29.●	14.6
17	27.8	17.2	15.7	13.8	26.5	15.2	29.4	13.4	28.●	15.6
18	21.3	18.1	19.2	12.6	16.7	14.8	20.8	18.●	20.8	19.●
19	20.2	13.8	16.2	10.6	16.7	10.2	24.5	14.●	24.●	12.1
20	20.2	8.5	18.3	6.5	15.8	9.2	21.3	11.●	21.●	9.3
21	20.6	6.4	18.●	7.8	17.6	7.8	20.8	7.5	21.●	6.3
22	20.6	6.3	17.8	5.2	16.2	7.2	20.8	7.●	22.●	5.1
23	20.4	7.3	14.9	3.9	15.9	7.3	22.1	8.1	22.3	2.4
24	20.2	6.8	15.1	1.8	15.8	5.4	22.6	7.6	23.●	6.8
25	21.2	9.2	17.9	5.6	18.4	7.4	24.1	7.6	22.5	10.●
26	23.5	12.2	15.8	7.3	20.9	9.1	27.6	13.2	27.5	14.1
27	18.9	14.3	16.8	10.4	16.4	13.3	27.2	16.●	21.9	17.3
28	20.8	9.●	13.9	9.8	18.2	11.8	24.6	15.7	21.5	11.8
29	20.3	8.9	12.8	6.6	16.1	8.3	21.2	9.4	21.2	9.8
30	20.1	8.●	11.2	7.1	17.1	6.6	21.●	9.9	21.6	8.3
MEANS	25.1	12.5	21.1	8.6	22.3	12.●	26.5	12.8	26.●	12.1

RECORDS OF TEMPERATURES : القراءات القياسية :

STATION	Highest MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
BAGHDAD	34.8	1	1957	-3.0	30	1953
MOSUL	35.0	?	1932	-4.4	24	1958
KIRKUK	32.8	1	1944	-2.0	30	1953
HAI	37.2	3	1949	-0.6	24	1958
DIWANIYA	36.1	4	1949	-2.8	16	1948

NOVEMBER 1960 . تشرين الثاني ١٩٦٠

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

TABLE 4-b.

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	خانقين		رطبة		ناصرية		بصرة		حبانية	
	KHANAQIN		RUTBAH		NASIRIYA		BASRAH		HABBANIYA	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	31.1	12.2	30.5	12.2	32.9	11.6	31.1	13.8	31.1	11.●
2	30.●	16.1	24.3	13.6	33.8	14.2	34.2	14.6	30.●	15.8
3	30.●	17.8	21.●	13.●	32.5	17.●	32.2	17.●	31.2	18.4
4	28.9	18.9	19.6	11.2	31.5	22.4	35.8	21.8	29.●	21.1
5	27.2	17.8	20.1	9.4	31.2	22.4	33.8	22.6	22.1	15.5
6	25.6	16.7	21.7	7.8	30.6	17.6	34.6	23.●	22.8	15.1
7	24.4	12.8	21.6	9.4	30.5	17.4	33.3	18.3	23.4	14.1
8	23.9	13.6	24.2	9.3	27.●	14.●	28.●	18.●	23.6	12.7
9	25.6	11.1	25.●	8.8	27.●	13.4	27.1	13.4	25.4	12.2
10	27.2	13.3	22.3	8.7	27.5	13.●	27.●	12.5	24.8	12.1
11	25.8	10.●	22.7	8.8	28.●	10.2	28.3	11.2	24.9	9.6
12	25.●	9.4	26.3	9.4	29.●	9.5	28.2	12.6	25.7	10.●
13	25.6	9.4	24.5	13.●	28.2	11.4	27.1	10.9	26.●	9.8
14	26.1	10.●	25.●	13.1	29.●	13.●	29.1	12.7	26.5	10.8
15	28.●	8.9	23.8	9.4	29.2	13.2	29.9	13.4	26.6	11.2
16	27.8	10.6	18.5	11.8	29.9	14.2	26.7	14.9	26.6	12.2
17	27.2	14.4	22.2	8.●	26.6	15.4	24.7	14.●	28.4	13.9
18	20.●	18.9	19.●	11.4	22.8	17.5	19.4	18.6	23.3	17.2
19	18.9	16.1	18.●	10.5	27.7	14.8	26.3	17.8	20.7	15.2
20	18.●	10.6	17.6	6.1	23.3	12.5	23.3	14.5	18.8	7.7
21	18.9	6.6	19.7	4.●	21.9	7.5	21.6	9.5	19.1	5.5
22	18.9	5.5	19.●	7.2	22.2	7.5	21.●	8.7	19.5	6.1
23	18.3	6.●	21.3	5.1	23.1	6.8	22.9	9.●	19.4	6.8
24	18.3	4.4	21.2	6.5	23.2	7.2	22.8	8.5	19.5	7.1
25	18.9	6.4	19.6	9.5	25.9	7.5	25.7	7.9	20.●	9.5
26	23.9	10.5	20.1	10.1	28.1	13.2	29.●	11.1	21.2	10.6
27	24.4	14.5	16.6	10.4	31.5	15.5	32.4	16.1	18.4	13.4
28	20.●	14.●	17.5	7.3	25.1	17.1	24.5	19.2	18.8	8.1
29	18.6	8.●	19.4	7.2	22.2	10.5	22.5	12.5	18.4	8.9
30	19.●	8.●	21.●	6.3	22.6	9.9	22.4	11.8	18.8	8.1
MEANS	23.8	11.7	21.4	9.3	27.5	13.2	27.5	14.3	23.5	11.7

RECORDS OF TEMPERATURES : القراءات الماضية

STATION	HIGHEST MAX.C.	DAY	YEAR	LOWEST MIN.C.	DAY	YEAR
KHANAQIN	35.0	7	1940	0.0	24	1958
RUTBAH	35.0	2	1932	-6.0	30	1953
NASIRIYA	36.7	1&2	1942	-1.6	24	1958
BASRAH	36.6	10	1939	1.4	27	1958
HABBANIYA	35.0	1	1944	-3.3	30	1953

TABLE - 5 . المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MONTHLY MEAN DRY BULB TEMPERATURES (C°)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	14.9	13.6	16.7	23.7	24.7	21.0	17.6	15.9	18.4
MOSUL	10.1	9.5	12.3	17.6	19.5	15.3	13.7	11.5	13.6
KIRKUK	13.8	13.3	16.9	23.5	21.1	17.5	15.5	14.5	16.6
KHANAQIN	.....	12.9	16.4	22.4	22.9	19.5	16.4	.....	18.4
RUTBAH	11.1	9.6	12.9	19.2	20.6	17.5	14.4	12.5	14.7
HAI	.....	13.3	17.8	24.2	24.7	20.9	17.2	.....	19.5
DIWANIYA	14.2	12.9	18.1	24.2	25.7	20.9	17.9	15.7	18.7
NASIRIYA	15.3	14.8	19.2	25.4	28.6	23.6	18.9	16.8	20.0
BASRAH	16.2	15.1	19.6	25.7	26.7	21.8	19.1	17.5	20.2
HABBANIYA	13.9	12.6	16.6	21.5	23.1	18.8	16.2	14.6	17.1

TABLE - 6 . المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.1	11.1	13.1	15.6	16.2	15.2	13.8	12.8	13.7
MOSUL	9.1	8.5	10.1	12.4	12.9	11.7	11.0	10.0	10.7
KIRKUK	10.7	10.5	12.5	14.4	14.4	12.9	11.9	11.2	12.4
KHANAQIN	.....	10.1	12.0	15.3	15.4	14.3	12.5	.....	13.3
RUTBAH	9.2	8.2	10.3	13.3	13.8	12.7	11.2	10.1	11.1
HAI	.....	11.0	13.8	16.4	16.2	15.0	12.6	.....	14.0
DIWANIYA	11.6	10.5	14.3	17.1	17.6	15.8	13.8	12.4	14.1
NASIRIYA	12.0	11.1	14.3	17.0	17.0	16.3	13.7	12.8	14.3
BASRAH	14.0	13.3	16.3	19.0	19.4	17.1	16.0	14.9	16.3
HABBANIYA	11.8	11.0	13.0	15.8	16.2	15.1	13.4	12.4	13.6

TABLE - 7 . المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.9	17.2	18.4	17.6	16.3	16.5	17.1	17.4	1017.2
MOSUL	19.4	19.7	20.3	19.3	17.7	18.0	19.1	19.3	1019.1
KIRKUK	18.4	18.4	19.0	17.7	16.6	17.4	18.3	18.5	1018.0
KHANAQIN	.....	19.0	18.2	17.0	16.0	17.0	17.7	.....	1017.5
RUTBAH	16.6	17.3	18.2	17.1	15.9	16.7	17.5	17.1	1017.1
HAI	.....	16.7	17.9	17.0	15.5	15.8	16.6	.....	1016.6
DIWANIYA	16.6	17.4	18.5	14.1	15.2	16.1	16.7	17.1	1016.5
NASIRIYA	16.6	17.0	18.1	17.2	15.7	15.0	16.9	17.0	1016.7
BASRAH	16.5	17.0	18.3	17.2	15.7	16.2	16.6	16.8	1016.8
HABBANIYA	17.2	17.6	18.5	17.6	16.5	16.7	17.3	16.8	1017.3

TABLE - 8 . المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	73	74	66	46	42	53	64	69	61
MOSUL	87	89	78	58	51	68	82	84	75
KIRKUK	70	72	63	53	46	61	67	69	63
KHANAQIN	..	68	63	46	44	51	62	..	56
RUTBAH	78	82	71	49	45	56	67	74	65
HAI	..	76	64	46	42	53	61	..	57
DIWANIYA	71	75	66	47	43	58	59	67	61
NASIRIYA	66	69	57	40	35	44	53	61	53
BASRAH	78	81	71	52	49	61	72	76	68
HABBANIYA	78	82	72	56	49	67	75	79	70

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TABLE 9 .

MONTHLY MEAN VAPOUR PRESSURE (MB.)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.2	11.4	12.4	12.3	12.0	13.1	12.7	12.4	12.3
MOSUL	11.8	10.8	11.2	11.3	10.8	11.7	12.2	11.5	11.3
KIRKUK	10.7	10.7	11.2	11.7	11.2	11.3	11.1	10.9	11.1
KHANAQIN	....	10.4	11.5	11.5	11.7	11.9	11.5	.....	11.5
RUTBAH	10.3	9.8	10.5	10.3	10.6	10.9	10.9	10.6	10.5
HAI	....	11.9	12.9	13.8	12.6	12.3	11.8	....	12.5
DIWANIYA	11.6	11.2	13.5	13.7	13.9	14.0	12.7	12.0	12.8
NASIRIYA	11.7	11.4	12.9	12.8	11.9	12.7	11.4	11.9	12.1
BASRAH	14.7	14.2	16.3	16.9	16.8	16.0	16.1	15.3	15.8
HABBANIYA	12.3	12.1	12.8	13.7	13.2	14.4	13.4	12.9	13.1

TABLE 10 . المعدل الشهري لدرجة الندى (سنتغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.6	8.6	9.8	9.5	9.1	10.7	10.1	9.8	9.7
MOSUL	8.0	7.7	8.1	8.2	7.4	8.8	9.6	8.7	8.3
KIRKUK	7.2	7.4	8.1	8.5	8.1	8.4	8.0	7.7	7.9
RUTBAH	7.2	6.4	7.4	7.4	7.2	7.8	7.7	7.4	7.3
HAI	....	8.9	10.2	11.4	10.0	9.5	8.9	....	9.8
DIWANIYA	8.7	8.2	11.1	11.5	11.3	11.7	10.3	9.3	10.3
NASIRIYA	8.8	8.2	9.9	10.0	9.6	10.3	9.0	9.1	9.3
BASRAH	12.2	11.8	13.8	14.6	14.6	13.7	13.7	12.9	13.4
HABBANIYA	9.7	9.5	10.3	11.4	10.8	12.1	10.7	10.5	10.6

TABLE 11. المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD AMOUNT (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.4	0.9	1.2	1.1	1.9	0.6	0.5	0.6	0.9
MOSUL	3.4	4.0	3.6	3.3	3.2	3.1	3.0	3.0	3.3
KIRKUK	2.5	2.3	2.5	2.5	2.6	2.4	2.5	2.2	2.4
KHANAQIN	....	3.0	3.0	3.0	3.3	3.3	2.4	....	3.0
RUTBAH	1.2	1.9	2.3	2.4	2.9	2.2	1.5	1.3	2.0
HAI	....	1.7	1.1	1.5	1.6	1.7	1.3	....	1.5
DIWANIYA	0.6	1.0	1.0	1.2	1.1	1.2	0.8	0.9	1.0
NASIRIYA	0.4	0.3	0.6	0.8	1.2	0.5	0.5	0.5	0.6
BASRAH	0.6	0.8	0.9	0.6	1.1	0.7	0.7	0.5	0.7
HABBANIYA	0.6	1.6	1.6	1.6	1.1	0.7	0.6	0.5	1.0

TABLE 12. المعدل الشهري لكمية الغيوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD AMOUNT (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.0	2.8	3.2	3.4	3.6	3.1	2.3	2.0	2.8
MOSUL	4.8	5.2	4.9	4.6	4.7	4.5	4.1	4.3	4.6
KIRKUK	3.3	3.0	3.8	3.9	3.9	3.4	2.7	2.9	3.4
KHANAQIN	....	3.5	4.0	4.0	4.3	4.0	3.0	....	3.8
RUTBAH	2.9	3.5	4.0	4.2	4.6	3.8	3.0	2.8	3.6
HAI	....	3.6	3.7	3.5	3.7	3.0	2.8	....	3.4
DIWANIYA	0.9	2.5	2.7	3.2	3.3	2.7	2.2	1.6	2.4
NASIRIYA	1.4	2.5	2.5	2.7	3.2	2.8	1.4	1.4	2.2
BASRAH	2.3	2.7	3.3	3.2	3.5	2.9	2.3	2.0	2.8
HABBANIYA	2.6	3.4	3.5	3.6	3.7	3.4	3.0	2.5	3.2

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TABLE 13-a .

عدد اشهار رصدات الرياح السطحية

SURFACE - WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت بالغرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
بغداد BAGHDAD	0000	5	3	3	2	2	0	3	3	9	17	4	0	0	4
	0300	5	3	4	1	1	2	1	7	6	22	2	0	0	5
	0600	4	0	2	3	1	1	4	9	6	23	1	0	0	4
	0900	6	0	4	1	2	0	5	11	1	23	6	0	0	7
	1200	4	1	5	3	1	0	2	13	1	25	4	0	0	7
	1500	4	2	4	3	1	0	2	12	4	22	4	0	0	6
	1800	3	1	3	5	0	0	1	5	12	15	3	0	0	3
	2100	2	1	2	3	2	0	4	7	9	17	4	0	0	4
	TOTAL	33	11	27	21	9	4	22	65	48	164	28	0	0	5
موصل MOSUL	0000	3	0	3	1	2	1	9	1	18	18	2	0	0	4
	0300	3	1	4	1	1	0	6	4	18	16	4	0	0	4
	0600	10	2	1	2	1	0	10	1	3	23	4	0	0	6
	0900	7	0	3	2	1	0	6	8	1	26	3	0	0	7
	1200	2	6	3	4	2	1	8	4	0	24	6	0	0	7
	1500	2	1	2	3	3	1	12	2	4	22	4	0	0	5
	1800	1	1	5	0	1	1	10	4	7	21	2	0	0	4
	2100	3	2	2	0	4	1	8	2	8	20	2	0	0	4
	TOTAL	31	13	25	13	15	5	69	26	43	170	27	0	0	5
كركوك KIRKUK	0000	0	11	1	2	2	0	0	0	14	11	5	0	0	4
	0300	0	13	0	4	0	0	0	0	13	13	4	0	0	4
	0600	0	8	3	1	0	3	0	0	15	13	2	0	0	3
	0900	2	2	3	5	4	2	4	0	8	19	3	0	0	4
	1200	0	2	1	5	5	3	7	0	7	20	2	1	0	5
	1500	0	6	1	3	0	1	5	0	14	14	2	0	0	3
	1800	1	5	3	3	0	0	1	0	17	18	3	0	0	3
	2100	0	15	2	2	1	0	0	0	10	15	5	0	0	4
	TOTAL	3	62	14	25	12	9	17	0	98	115	26	1	0	4
حي HAI	0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0300	1	0	3	3	0	0	9	3	11	17	2	0	0	4
	0600	1	0	7	2	0	0	4	10	6	15	7	2	0	8
	0900	1	1	6	2	0	0	1	12	7	6	13	4	0	11
	1200	2	0	3	4	2	0	2	14	3	12	12	3	0	10
	1500	0	0	6	1	0	0	3	15	5	21	3	1	0	5
	1800	1	0	7	0	0	0	3	15	4	24	2	0	0	5
	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	6	1	32	12	2	0	22	69	36	95	39	10	0	7
ديوانية DIWANIYA	0000	4	2	4	2	2	2	11	2	1	27	2	0	0	5
	0300	3	0	5	2	2	0	12	1	5	23	2	0	0	4
	0600	5	0	6	2	0	2	11	3	1	26	3	0	0	6
	0900	7	2	1	3	3	0	9	4	1	21	8	0	0	8
	1200	7	1	1	2	4	0	9	3	2	20	8	0	0	7
	1500	9	1	3	2	1	0	7	3	4	22	4	0	0	5
	1800	5	3	5	1	1	0	7	4	4	24	2	0	0	5
	2100	6	1	5	2	0	1	7	2	6	20	4	0	0	5
	TOTAL	46	10	30	16	13	5	73	22	24	183	33	0	0	6

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TABLE 13-b .

عدد تكرار رصدات الرياح السطحية

SURFACE - WIND . NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS السرعة بالعقد CALM	1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
خانقين KHANAQIN	0300	0	0	8	2	6	0	1	1	12	16	0	2	0	5
	0600	0	0	10	0	2	0	1	1	16	12	0	2	0	4
	0900	2	0	5	1	9	0	7	0	6	22	4	2	0	6
	1200	2	0	2	0	9	0	12	1	4	25	0	1	0	6
	1500	2	0	4	0	4	0	8	2	10	19	0	1	0	5
	1800	1	0	6	0	6	0	2	0	15	14	0	1	0	4
	TOTAL	7	0	35	3	36	0	31	5	63	108	0	9	0	5
رطبة RUTBAH	0000	0	0	3	2	3	6	5	1	12	12	6	0	0	4
	0300	1	1	1	0	5	5	5	1	11	15	2	2	0	5
	0600	1	2	5	0	3	7	3	1	3	23	4	0	0	5
	0900	2	2	2	6	5	2	3	0	0	26	9	1	0	5
	1200	4	1	4	8	1	1	6	0	5	19	10	1	0	5
	1500	6	3	5	3	4	1	2	0	2	22	4	0	0	4
	1800	1	3	3	4	4	2	0	2	11	14	5	0	0	4
	2100	1	2	2	3	5	3	2	1	11	14	5	0	0	4
	TOTAL	16	14	25	26	30	27	34	16	52	139	45	4	0	5
ناصرية NASIRIYA NOTE: 1500 & 1800 Missing	0000	1	1	3	1	5	4	0	4	3	24	3	0	0	5
	0300	1	0	5	3	4	2	12	2	1	28	4	0	0	5
	0600	3	0	3	5	0	2	5	11	0	29	1	0	0	6
	0900	3	0	5	3	2	0	1	10	0	24	6	0	0	5
	1200	3	1	2	8	1	0	2	13	0	23	7	0	0	6
	1500	1	0	3	3	1	0	1	6	2	14	1	0	0	5
	1800	6	0	1	1	4	0	4	7	1	26	3	0	0	5
	2100	6	1	1	4	3	1	5	8	1	27	2	0	0	5
	TOTAL	24	3	25	28	20	9	45	61	8	195	24	0	0	5
بصرة BASRAH	0000	1	0	1	2	1	1	2	6	16	14	0	0	0	4
	0300	0	0	2	1	1	0	3	3	20	10	0	0	0	4
	0600	2	1	2	3	1	2	3	3	9	21	0	0	0	5
	0900	3	0	0	6	2	1	5	8	6	21	3	0	0	5
	1200	4	0	1	4	2	0	4	4	5	21	4	0	0	5
	1500	5	0	0	4	2	0	2	4	3	17	6	0	0	5
	1800	1	0	0	4	3	0	3	2	1	11	2	0	0	4
	2100	2	0	0	3	3	0	2	5	15	15	0	0	0	4
	TOTAL	17	1	6	26	17	4	24	37	101	130	9	0	0	5
حبانية HABBANIYA	0000	4	2	1	1	2	0	5	1	14	13	3	0	0	4
	0300	2	2	3	1	0	1	3	3	10	18	3	0	0	5
	0600	2	3	2	1	3	1	3	0	8	8	5	0	0	5
	0900	3	4	0	4	2	4	5	0	6	2	7	0	0	5
	1200	6	2	1	2	2	2	3	0	7	5	4	0	0	5
	1500	5	3	3	1	1	0	2	0	3	12	4	0	0	5
	1800	3	2	3	1	1	1	1	1	1	17	0	0	0	4
	2100	2	1	2	3	1	0	1	2	10	10	2	0	0	5
	TOTAL	27	19	15	14	12	9	23	35	86	124	30	0	0	5

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TABLE 14-a .

الهطول اليومي (ملليمترات)

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

DATE / التاريخ	BAGHDAD بغداد	MOSUL موصل	KIRKUK كركوك	KHANAQIN خانقين	RUTBAH رطبة	HAI حي	DIWANIYA ديوانية	NASIRIYA ناصرية	BASRA بصرة	HABBANIYA حبانية
1					tr.					
2	0.2	0.9	tr.		10.3		tr.			tr.
3	tr.	10.7	0.3		7.2	0.4	1.0			tr.
4	1.0	11.3	11.4	1.6	8.6	2.4	0.2	0.4	tr.	12.0
5		1.6	4.8	1.6		0.5	0.2	tr.	0.3	12.7
6								0.3		11.6
7									tr.	
8										
9										
10										
11										
12										
13		tr.								
14										
15					1.3					
16		tr.	1.7		0.7		0.3	tr.		tr.
17	1.2	21.1	38.3		3.1	0.6	tr.	tr.	6.8	5.6
18	18.8	31.2	42.7	25.8	tr.	3.3	17.3	2.2	19.2	36.2
19		13.9	13.6	5.9	tr.	0.2	tr.			tr.
20										
21										
22										
23										
24										
25				0.2	tr.					
26	0.3	2.8	2.9							0.8
27	2.6	11.7	28.8	4.5	3.6	tr.	3.3			5.5
28				18.8					tr.	
29										
30		0.7								
TOTAL	16.1	105.6	137.1	49.6	42.9	7.4	23.3	2.9	17.3	84.4

RECORDS OF RAINFALL :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	48.9	17	1957
MOSUL	86.3	23	1929
KIRKUK	44.0	3	1945
KHANAQIN	51.5	17	1957
RUTBAH	25.2	24	1937
HAI	55.0	28	1957
DIWANIYA	34.4	25	1957
NASIRIYA	47.2	26	1950
BASRAH	61.4	15	1940
HABBANIYA	36.2	18	1960

NEMBER 1960 .

تشرين الثاني ١٩٦٠

BLE, 14-b .

الجدول اليومي (بالملليمترات)

DAILY PRECIPITATION (MILLIMETERS)

التا	راوندوز	تلعويناث	سنجار	تلعفر	حويجة	جمجمال	بكرجو	جوارتا	افتخار
ATE	RAWAN-DUZ	TEL AWAINAT	SINJAR	TELAA-FAR	HAWIJA	CHAM-CHAMAL	BAKRA-JO	CHUARTA	IFTI-KHAR
1									
2			●.7						
3			2.9	16.●	2.5	18.●			
4	15.●	3.8		2.2	13.5	6.●	7.●	5.●	18.9
5	3.●	1.8	6.1			4.●	35.●	36.●	21.3
6		●.8					1.●		
7									
8									
9									
10									
11									
12									
13									
14		●.8							
15									
16			●.8		1.●				
17	54.●	●.8	22.●	34.●	13.●	40.●		57.●	21.6
18	34.●	11.4	16.1	5.●	24.●	50.●	126.●	24.2	45.●
19	30.●	11.4	7.1	8.5	3.●	3.3	17.●	21.7	1.●
20		7.6					3.●		
21								2.●	
22									
23									
24									
25									
26	15.●				6.●	8.●	3.●		1.5
27	30.●	2.5	18.●	21.●	2.●	22.●	22.●		9.4
28		38.1					2.●	30.●	
29								4.5	
30									
TAL	181.●	79.●	73.7	86.7	65.●	143.3	216.●	177.4	119.7

VEMBER 1960 .

BLE 14-a .

تشرين الثاني ١٩٦٠

الهطول اليومي (ملليمترات)

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

	صلاح الدين	سناط	دهوك	دوكان	شقلاوه	بنكرد	سرسنك	بيجي	طور	حديثة
TE	SALAH ALDIN	SANAT	DUHOK	DUKAN	SHAQ-LAWA	BINKIRD	SERSANK	BAIJI	TUZ	HADITHA
1										
2										
3	10.0	10.0		6.0						
4	10.3	13.0	9.4	9.3		9.5	25.0	4.0		10.0
5		6.0	19.5	1.0			5.0	13.2	15.2	
6	10.0	5.0				7.6			27.9	
7										
8										
9										
0										
1										
2										
3										
4										
5										
6	70.8			5.3		12.0	3.0			
7	60.9	20.0	20.1	61.0		47.0	59.0	3.3		
8	60.4	47.0	58.1	55.5		37.0	90.0	17.0	37.6	45.0
9		9.8	13.8	42.0	120.0	16.6	10.0	16.0	116.8	
20				1.0						
21										
22										
23										
24										
25	50.4									
26	60.8	27.2		6.1			11.0	1.4		
27		58.4	20.1	8.5	20.0	25.3	92.0	5.5		20.0
28					58.0				22.1	
29										
30	20.3	3.7	3.1				5.0			
OTAL	353.9	200.1	144.1	195.7	198.0	155.0	300.0	60.4	219.6	75.0

VEMBER 1960 .

نشرين الثاني ١٩٦٠

BLE 14-d

الهطول اليومي (ملليمترات)

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

التاريخ	سامراء	المنصور	بعقوبة	بدرة	هيت	كربلاء	الهندية	كوت	علي الغربي	السعدية
TE	SAMI-RAA	AL MANSOOR	BAA-KORA	BADRA	HIT	KAR-BALAA	AL HINDIA	KUT	ALIAL-GHARBI	AL SAIDIA
1										
2	tr.									
3	tr.	3.0								4.0
4	14.5		3.5		2.0		5.5			
5	53.5	2.0	0.5						0.7	
6 7 8 9 10 11 12 13 14 15 16										
17	19.5	2.0			16.8	17.0				
18	6.0	17.0	28.0				6.5	12.0	4.7	14.0
19				17.0			3.5		1.9	2.0
20				1.0						
21 22 23 24 25										
26	tr.				3.7			6.1		
27	3.5	21.0	6.1	5.0			2.3			
28										8.0
29 30										
TAL	97.0	45.0	38.1	23.0	40.5	17.0	17.8	18.1	13.3	28.0

NOVEMBER 1960 .

TABLE 14-0 .

(14)

تشرين الثاني ١٩٦٠

الهطول اليومي (ملليمترات)

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

التاريخ	شبكة	السلمان	قلعة صالح	ساوة	معقل	فاو	قلعة دزة	مندلي	حلبجة
DATE	SHABI-CHA	ALSAL-MAN	QALAT SALIH	SAMANA	MAQIL	FAO	QALAT DIZA	MANDILY	HALABJA
1									
2									
3		3.0							
4		12.0						30.0	
5								30.0	33.0
6							12.0		16.0
7						0.5	6.5		
8									5.0
9									
10									
11									
12									
13									
14									
15									
16				1.3					1.0
17									6.5
18			5.4		6.4	0.5	30.0		63.5
19	2.0				9.1	3.5	80.0	60.0	30.0
20									
21									
22									
23									
24									
25									
26									
27							8.0		39.0
28	4.0						26.0	65.0	8.5
29									
30									
TOTAL	6.0	15.0	5.4	1.3	15.5	4.5	162.5	185.0	204.0

EMBER 1960 .

LE 14-f.

تشرين الثاني ١٩٦

الهطول اليومي (ملليمترات)

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

الثاني	مركسور	سديكتن	قادركرم	مخمور	فتحة	كلالا	افراز	طقطق	طوسان	كويسنجنق
T	MERGA-SOOR	SEDI-KAN	KADER KARAM	MAKH-MOOR	FATHA	GALA-LA	IFRAZ	TAGTAG	TUSAN	KOISIN-JINK
								tr.		
			3.0				0.3	4.0	4.5	
			49.0		21.8	23.5	3.2	8.0	5.4	4.0
	16.2			3.0	tr.	11.5	7.6	3.0	8.5	5.0
	4.3									8.0
				25.0				3.0		
		10.0								
		9.0						tr.		
		21.1		7.0						
		8.0	92.0		4.5			7.5	tr.	
		30.2	70.0	160.0	8.0	6.5	0.5	6.0	11.5	
	58.4	22.2	20.0		16.0	53.5	81.7	44.0	18.3	46.0
	98.3	11.0			3.0	46.5	25.6	10.0	19.6	47.0
	22.6					24.5	5.0	3.0	tr.	28.0
	4.2					1.5			0.3	
		21.3								
		20.5								
		41.1	8.0		tr.				0.3	
		37.6	24.0	11.0	5.5	18.5		7.3	3.6	
	25.7	17.0		14.0	2.0	26.0	12.8	14.5	49.7	9.0
	95.3	6.6				6.5	13.4		0.3	25.0
	2.4	29.3							0.4	
	1.7	24.0							1.1	
TAL	329.1	308.9	266.0	220.1	60.8	218.5	150.1	164.3	123.5	172.0

NOVEMBER 1960 .

(16)

تشرين الثاني ١٩٦٠

TABLE 16 - E .

الهطول اليومي (ملليمترات)

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

التاريخ	كفري	ك ٢	كاني سبكا	قرةداغ	عين سفني	ديانا	المعظم	عمادية
DATE	KOUFRI	K2	KANI-SPIKA	GARA-DAGH	AIN-SIFNI	DIANA	AL EITHAIM	AMADIA
1								
2								
3		6.0				4.0		
4	14.0	10.0			10.0	8.4	5.1	10.0
5	23.5	tr.	4.0	5.3	13.0	3.5	23.5	6.5
6			31.0	49.8				tr.
7			11.0					
8								
9								tr.
10								
11								
12								
13								tr.
14								
15								
16						1.3		1.5
17	21.0	2.0			50.0	44.6	3.0	35.5
18	48.5	18.0	53.0	43.7	53.0	38.5	72.0	54.0
19	1.5	22.0	125.0	55.0	13.0	23.0		7.5
20			29.0			3.2		1.0
21								
22								
23								
24		tr.						
25								
26		7.0						6.0
27	17.5	0.3	33.2	3.2	35.0			42.5
28			3.2	32.2	6.0		11.3	
29				2.5		20.9		
30						27.5		3.0
TOTAL	126.5	65.3	298.4	191.7	180.0	174.9	114.9	167.5

TABLE 15.

CLIMATOLOGICAL SUMMARY : الملخصات المناخية :

NO. of Days of Phenomenas : عدد الأيام التي حدثت فيها الظواهر الجوية :

المحطة	مطر	ثلج	برد	زوابع رعدية	ضباب	تراب	السماء غائمة	السماء صاحية	صقيع
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLOUDY	STATE OF SKY CLEAR	GROUND FROST
BAGHDAD	6	•	•	2	3	1	14	3	•
MOSUL	10	•	•	4	5	•	3	12	•
KIRKUK	9	•	•	5	3	•	13	9	•
KHANAQIN	7	•	1	3	1	•	5	11	•
RUTBAH	7	•	•	4	•	1	7	5	•
HAI	6	•	•	1	1	•	13	6	•
DIWANIYA	6	•	•	1	•	1	17	3	•
NASIRIYA	3	•	•	2	•	•	..	.	•
BASRAH	3	•	•	•	•	•	12	2	•
HABBANIYA	7	•	•	5	4	1	10	4	•

TABLE 16.

DURATION OF SUNSHINE : مدة سطوع الشمس :

المحطة	المجموع الشهري للسطوع بالساعات	اكبر مدة لسطوع الشمس		عدد الأيام التي لم تظهر الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	DATE	No. of days without sunshine
BAGHDAD	226.0	10.1	10&11	•
MOSUL	172.7	10.4	10&11	5
BASRAH	211.3	10.4	11&13	4
HABBANIYA	212.6	10.2	10	1

TABLE 17.

MONTHLY MEAN TEMPERATURES (C°) المعدلات الشهرية للحرارة

المحطة	حرارة العشب	حرارة التربة	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	10.8	21.4	25.7
MOSUL	....	17.8	23.5
KIRKUK	9.0	19.0	22.4
HAI	10.0	....	....
NASIRIYA	10.6	....	....
BASRAH	10.4	....	....
HABBANIYA	10.6	21.1	24.9

TABLE 18-a

Month: November 1960

RADIOSONDE OBSERVATIONS STANDARD-LEVELS AT (2300 G.M.T.) OF BAGHDAD AIRPORT

DATE	SURFACE							1000-mbs.			850-mbs.			700-mbs.			600-mbs.		
	$N_h C_L h C_M C_H$	ww	app	PPP	TT	Td	dd	ff	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td
1	00906	03	711	122	16	08	00	00	138	22	09	549	19	52	177	07	63	401	53	65
2	40970	01	707	077	19	08	13	04	105	20	08	507	17	51	129	06	55	367	55	59
3	60980	01	708	095	22	10	15	13	112	23	11	510	14	05	100	01	59	322	57	65
4	45670	21	504	105	22	10	35	13	128	25	13	530	15	03	143	04	54	376	55	58
5	20930	01	506	110	19	15	34	10	128	19	14	515	16	07	113	01	54	337	57	60
6	19680	13	305	117	19	17	00	00	131	19	17	518	13	09	115	01	54	326	58	64
7	00900	02	702	129	17	08	29	05	143	18	10	520	11	05	112	02	58	340	54	67
8	00906	03	400	136	16	15	00	00	149	16	13	520	09	07	112	03	57	347	54	64
9	00900	02	704	189	16	13	31	08	154	20	13	534	10	04	115	03	59	333	56	68
10	00900	02	705	098	15	10	00	00	121	18	10	502	11	04	089	01	63	309	58	71
11	00900	02	400	117	11	06	00	00	133	16	11	512	06	57	089	52	62	295	60	73
11	00900	02	203	162	12	06	00	00	168	14	07	557	12	02	145	51	59	361	59	67
12	30930	03	704	162	18	08	07	02	207	18	07	589	11	00	173	52	57	383	56	73
13	00900	02	604	155	14	06	36	07	163	16	06	545	12	51	135	00	60	355	57	68
14	00900	02	703	014	18	10	00	00	153	20	10	531	12	01	121	02	59	347	55	67
15	00900	02	703	014	14	06	36	07	163	16	06	545	12	51	135	00	60	355	57	68
16	00903	03	400	140	17	08	19	05	158	20	10	548	13	05	148	02	53	370	58	58
17	00900	02	701	126	18	11	14	18	142	21	12	539	14	05	138	01	51	363	56	60
18	50930	01	205	079	21	16	12	04	102	21	16	492	13	06	094	02	01	321	56	64
19	60970	03	702	073	18	14	25	03	096	18	13	476	10	05	053	01	52	266	58	66
20	00900	10	211	103	11	09	00	00	119	12	10	469	07	04	039	53	58	346	54	66
21	00900	10	203	191	10	08	31	02	191	12	07	538	05	58	104	00	68	322	57	72
22	00900	10	705	174	09	07	00	00	144	14	05	576	09	64	128	02	72	355	56	71
23	00900	02	202	165	11	10	31	02	171	14	10	537	08	01	114	50	63	333	57	73
24	00900	02	303	164	09	08	20	04	170	15	07	528	08	55	113	02	65	338	56	73
25	20930	03	702	168	12	05	00	00	140	15	04	540	12	53	138	02	56	362	57	60
26	00908	01	708	163	12	11	12	08	171	15	11	558	14	00	167	03	55	357	57	61
27	855xx	21	715	084	20	08	32	03	107	19	00	505	16	00	115	04	00	345	55	--
28	00900	10	308	038	13	12	00	00	118	13	11	495	10	04	094	52	61	271	60	77
29	00900	10	300	148	11	09	22	02	157	15	12	514	07	55	075	53	62	277	61	67
30	00900	10	101	189	10	10	00	00	190	13	09	549	08	55	132	03	73	362	55	77

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (2300 G.M.T.) AT BAGHDAD AIRPORT

DATE	500-mbs.			400-mbs.			300-mbs.			200-mbs.			150-mbs.		
	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td
1	813	64	71	463	77	86	479	91	00	107	07	18	913	11	20
2	774	65	67	426	77	85	438	92	96	066	08	13	876	08	15
3	720	66	70	358	80	83	322	97	03						
4	782	65	69	430	76	80	445	93	98	053	11	16	839	09	15
5	737	65	76	383	79	89	385	89	03	118	98	07	978	06	15
6	781	67	77	358	78	84	358	94	98	018	04	11	848	09	18
7	752	64	79	412	75	82	442	89	01	108	05	14	922	08	20
8	758	65	75	402	78	88	412	92	02	064	05	14	885	09	18
9	758	63	75	445	77	88	450	94	02	121	02	13	964	07	15
10	700	67	80	346	79	92	346	87	01	086	94	19	932	09	19
11	675	69	79	302	79	94	310	90	01	992	03	14	822	09	21
12	749	67	76	391	77	89	412	89	99	103	00	09	941	10	19
13	786	65	76	440	76	84	464	90	97	154	03	09	964	10	18
14	751	66	75	398	78	86	403	93	97	051	07	17	861	11	17
15	753	65	79	395	79	87	395	93	02	047	08	16	839	12	
16	768	66	77	416	77	87	423	93	00	044	10	16	828	09	16
17	773	64	70	435	76	88	549	92	04	194	09	19	993	08	19
18	726	64	73	371	77	86	378	93	99	010	07	15	810	12	23
19	652	70	73	267	82	85	237	96	98	907	00	06	777	05	11
20	746	64	72	406	75	84	426	92	99	093	02	08	938	08	14
21	573	65	79	375	77	91	391	91	04	038	05	17	859	11	28
22	576	65	77	402	89	00	462	93	13	045	06	25	849	12	32
23	573	67	80	364	80	92	364	93	04	998	06	16	810	11	21
24	736	69	83	362	78	96	364	93	09	986	11		763	09	
25	768	63	74	426	77	87	442	91	99	143	98	05	993	13	21
26	794	63	71	461	74	88	496	89	03	161	08	19	924	19	
27	750	65		409	74		448	89		119	07		992	16	
28	655	69	86	277	81	96	262	92	07	944	03	18	762	11	17
29	654	70	80	265	83	97	255	89	01	988	99	08	848	07	18
30	767	54	83	421	76	93	444	51	08	091	08		888	11	

TABLE - 19

Month: November 1960 .

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS (0001 G.M.T.)

850 , 700 & 500 - mbs. , Surface , 0001 G.M.T.

STATIONS	62366			17606			17130			40754			40650			40427			40477			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs. ,	152	12	10	152	11	11	151	07	09	153	10	11	152	11	13	154	17	13	153	17	10	153	17	13
700-mbs. ,	313	03	13	311	01	15	308	-2	16	311	00	12	312	01	15	316	05	15	317	07	11	316	07	13
500-mbs. ,	577	-13	20	573	-16	24	567	-18	24	571	-17	23	574	-15	24	582	-11	24	584	-9	14	585	-7	10

AVERAGE HEIGHT AND TEMPERATURES FOR SELECTED STATIONS (1200 G.M.T.)

850 , 700 & 500 - mbs. , Surface , 1200 G.M.T.

STATION	62366			17606			17130			40754			40650			40427			40477			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs. ,	152	11	13	152	10	10	151	08	12	153	11	10	152	10	14	154	16	14	153	17	10	152	18	12
700-mbs. ,	312	03	14	311	01	14	308	-2	19	311	00	14	312	02	18	316	06	17	317	08	11	316	09	16
500-mbs. ,	578	-12	22	573	-16	24	568	-17	29	572	-16	22	574	-15	27	583	-12	26	586	-8	16	586	-7	10

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPLIATION FROM UPPER AIR MAPS.

TABLE 20

BAGHDAD AIRPORT

Month: November 1960 .

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	1	3	3	1																		10
200 -500M				1																					1
500 -1000M					1		1																1		3
1000 -1500M				1	2	2	1	2													1	2		1	12
1500 -3000M	2	1	1	1	6	4	4	3						1	1	1			1	1	1	2	3	1	34
3 -5KM	1	1			2	1	2	1	2	1	1	2	1	1	1	7		3	2	2	1	1	1	1	35
5 -10KM	3		1	4	4	7	5	5	5	6	3	2	2		11	12	4	3	4	3	4	3	1	3	95
10 -15KM	11	9	12	14	7	8	4	7	7	7	7	6	6	9	14	10	24	17	13	9	12	11	12	12	248
15KM	13	18	15	8	5	5	12	12	16	16	19	20	21	19	3		2	7	10	15	11	11	12	12	282
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										2															2
Nil	30	30	30	30	30	30	30	30	30	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	718

TABLE 20-b

BASRAH AIRPORT

Month: November 1969 .

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																									
>1500 -3000M					2						1/1	1/1	1/1		1					1					7
>3 -5KM					1		1	1						1/1		1	1		1						7
>5 -10KM	-	1	1	4	5	7	1	1	1	1/3	2	2	1/2	1/3	1/3	2	1	2			1				42
>10 -15KM	4	4	8	10	9	7	10	5	6	4	3	1	3	3	9	2	6	7	4	3	6	5	4	4	127
>15KM	26	25	21	16	13	16	18	23	23	23	24	26	24	23	17	25	22	21	25	26	23	25	26	26	537
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										1			1												2
900M	11	16	9	10	12	14	13	14	13	14	15	15	13	16	16	12	11	9	9	8	8	9	11	9	281

TABLE 21-a Month: November 1960 .

BAGHDAD AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base (≥5 Oktas)

HEIGHT 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																	3											3		
																														3
<5/8 OR *		1	1						1		1	1	2	1	4	1		2	3	4	5	11	14	4	13	8	12	30	30	30
>900															1	1	1	7	4	2	12	7	6	10	16	21		27	30	30
AND =5/8			2						1		2	4	1	2	11	2	1	15	4	3	37	13	11	76	10	11	91	30	30	237
TOTAL		1	1						1		1	1	2	1	4	1		2	3	4	5	11	14	4	13	8	12	30	30	30
															1	1	1	7	7	2	12	7	6	10	16	21		30	30	30
			2						1		2	4	1	2	11	2	1	15	4	3	40	13	11	76	10	11	91	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	GMT.
18	21	To	

To= Total for all hours

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

TABLE 21-b

Month: November 1960

BASRAH AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud-base (≤ 5 Oktas)

HEIGHT METERS	VISIBILITY									TOTAL
	0-200M	>200-500M	>0.5-1KM	>1-1.5KM	>1.5-3KM	>3-5KM	>5-10KM	>10-15KM	>15KM	
0-50										
>50-150										
>150-300										
>300-500										
>500-900							1		1	1
								1		2
<5/8 OR *						1	4	1	4	10	10	26	16	18	30	30	30
>900				1		1	2	2	2	4	3	2	23	23	25	29	29	30
AND >=5/8					1	1	3		11	4	5	42	25	25	181	30	30	238
							1	4	1	4	10	10	26	16	18	30	30	30
TOTAL				1			1	3	2	2	4	3	2	23	24	25	30	30	30
					1	1	3		12	4	5	42	25	25	182	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 G.M.T.
18 21 To

To=Total for all hours

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

الجمهورية العراقية

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CLIMATOLOGICAL SECTION

تقرير المناخ الشهرى

Monthly Climatological Data

No. 12
Vol. 23
Month December
Year 1960

العـــدد ١٢
مجـــلد ٢٣
الشهر كانون الاول
السنة ١٩٦٠

الجمهوريـــــة العراقيـــــة

وزارة المواصـــلات

مديرية الطيران المدني العامـــة

مديرية الانواء الجويـــة

شعبة المنـــاخ

بغداد

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CLIMATOLOGICAL SECTION

B A G H D A D

معلومات مناخية شهرية لشهر كانون الاول ١٩٦٠

MONTHLY CLIMATOLOGICAL DATA FOR DECEMBER 1960 .

مجلد ٢٣ ، عدد (١٢) كانون الاول ١٩٦٠

VOLUME 23 , No. (12) .. DECEMBER 1960 .

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شهر مستقـــــر

ساد العراق جو مستقر بصورة عامة معظم أيام الشهر بسبب وجود مركز ضغط عالي فوق العراق .

في ٥ منه سقطت امطار خفيفة في المنطقة الشمالية وفي يوم ٨ منه في المنطقة الجنوبية وبومي ١٨ و ١٩ منه في المنطقة الوسطى كما حدثت زوابع ترابية في المنطقة الجنوبية في يومي ١٨ ، ١٩ منه بسبب وجود منخفض جوى محلي في يوم ٢٦ منه هطلت امطار خفيفة في المنطقتين الشمالية و الوسطى بسبب مرور جبهة باردة قادمة من الجهة الغربية

General Situation for DECEMBER 1960 .

Settled Month

During most days of the month, settled weather was the main feature because of the existance of a high pressure centre .

On the 5th of the month , showers of light rain fell in the Northern areas, on the 8th in Southern areas and on 18th & 19th in the Central areas. Also some light duststorms occurred in the Southern areas on 18th , 19th of the month due to local low pressure centre. On the 26th light rain occurred on the Northern & Central areas because of the passage of cold front from West .

DECEMBER 1960 . (1) كانون الاول ١٩٦٠

TABLE - 1

المعدل اليومي لدرجات الحرارة (سنتغراد)

MEAN DAILY TEMPERATURE (C°) OF 8 OBSERVATIONS :

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	15.1	11.5	14.4	12.9	17.2	15.0	15.4	15.0	15.7
2	14.0	8.1	11.5	10.5	16.9	14.8	15.9	16.0	13.4
3	10.3	7.4	10.6	9.8	13.1	11.2	12.5	14.2	10.2
4	11.0	7.7	12.5	11.0	12.1	11.6	12.2	11.9	10.4
5	13.4	9.0	13.7	14.2	14.2	13.8	12.2	12.7	11.3
6	13.2	10.7	13.6	12.2	13.1	13.0	14.2	14.4	12.1
7	13.0	10.4	13.8	9.4	14.9	13.2	16.1	18.6	12.6
8	14.2	9.4	13.8	10.8	15.7	15.0	15.4	15.7	14.2
9	13.0	8.8	12.5	10.9	14.7	13.1	14.7	15.5	12.2
10	12.5	9.2	13.6	10.0	14.2	12.7	13.9	14.8	12.0
11	12.4	8.1	13.1	10.7	14.2	12.7	13.2	14.3	12.0
12	12.3	8.0	12.5	11.7	13.7	12.6	13.4	14.2	11.4
13	12.6	7.7	11.9	12.3	13.7	13.4	13.4	14.1	11.6
14	13.2	10.3	12.0	14.7	14.3	14.0	13.1	13.2	13.0
15	13.9	9.6	13.0	14.1	15.3	14.0	14.1	14.4	13.1
16	13.6	8.5	13.5	11.3	16.6	14.9	15.5	15.7	12.4
17	12.5	8.3	13.1	10.2	14.1	12.8	13.6	15.4	11.2
18	13.7	9.5	12.7	9.9	14.3	12.9	13.8	15.2	11.7
19	12.6	9.9	10.4	8.1	14.4	12.7	12.5	17.9	11.3
20	12.6	8.5	12.6	9.2	11.5	12.1	11.2	11.7	12.0
21	11.0	7.4	11.6	10.5	13.5	10.5	12.0	13.1	10.0
22	10.4	8.6	10.8	8.2	13.0	11.7	11.5	13.1	9.4
23	10.5	7.1	11.1	8.5	12.9	11.3	11.4	12.4	9.0
24	9.9	7.0	10.7	9.4	13.1	11.1	11.6	12.7	8.2
25	10.5	6.8	10.6	11.7	12.9	11.3	11.8	12.6	7.9
26	11.6	6.9	10.2	13.8	12.8	11.5	11.8	12.8	11.1
27	13.2	8.4	10.8	12.1	14.7	12.9	13.5	14.3	11.7
28	13.6	9.4	13.1	16.0	15.3	14.8	16.1	15.1	13.6
29	14.2	9.6	11.6	12.2	16.0	15.2	17.1	17.1	13.6
30	12.8	9.0	10.2	9.9	14.4	12.9	13.6	14.8	10.9
31	11.9	8.4	11.6	9.3	14.2	12.6	14.1	13.7	10.2
MEANS	12.5	8.7	12.2	11.1	14.2	12.9	13.6	14.4	11.6

DECEMBER 1960. كانون الاول ١٩٦٠

TABLE - 2. المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

MEAN DAILY PRESSURE (mbs.) AT M.S.L. OF 8 OBSERVATIONS :

DATE التاريخ	BAGH-DAD بغداد	MOSUL موصل	KIRKUK كركوك	RUTBAH رطبة	HAI حي	DIWA-NIYA ديوانية	NASI-RIYA ناصرية	BASRAH بصرة	HABBA-NIYA حبانية
1	1022.4	1023.8	1022.7	1022.5	1021.4	1022.7	1022.1	1021.5	1019.9
2	22.9	24.7	23.6	25.0	21.3	22.6	21.7	20.6	23.6
3	22.8	24.5	23.1	24.7	21.2	22.8	21.9	22.6	23.5
4	21.3	22.3	21.3	20.7	20.8	21.5	21.2	21.0	21.4
5	22.3	24.2	23.2	19.1	21.9	21.9	22.0	22.2	22.3
6	22.5	24.8	23.7	19.4	22.4	22.0	22.0	22.2	22.1
7	21.6	23.4	22.4	20.5	20.2	20.8	19.9	19.9	21.4
8	23.1	24.4	23.6	23.6	21.8	23.0	21.7	20.8	23.5
9	23.3	25.8	23.8	24.4	22.4	23.5	22.6	21.7	23.9
10	21.5	24.0	21.7	24.0	20.6	21.9	21.4	20.9	22.1
11	20.6	22.9	20.9	21.9	19.8	20.9	20.7	19.9	20.9
12	20.6	21.6	20.7	19.9	19.9	20.6	20.4	20.0	20.7
13	22.8	25.2	23.5	21.5	22.0	22.9	22.3	21.7	22.9
14	23.3	24.6	23.6	21.5	22.2	23.2	22.8	22.2	23.3
15	21.8	24.4	22.4	21.4	20.4	21.7	21.1	22.2	22.1
16	20.2	22.1	20.5	22.0	19.0	20.2	19.7	19.2	20.8
17	19.5	21.3	19.6	20.6	18.9	19.8	19.4	19.0	19.7
18	18.7	20.1	19.4	18.2	19.4	19.0	19.3	20.7	18.5
19	11.5	15.8	13.8	16.7	11.2	11.7	14.6	13.5	12.0
20	15.5	18.4	16.7	19.1	14.5	15.5	14.6	14.6	16.0
21	19.7	21.3	19.9	20.4	18.7	22.6	19.6	19.1	19.9
22	20.4	21.6	20.6	20.9	19.4	20.3	19.9	19.5	20.8
23	18.6	20.9	18.6	18.4	17.4	18.3	17.9	19.1	19.0
24	18.6	19.9	18.8	17.7	17.5	18.6	17.8	17.4	19.0
25	20.7	22.3	21.1	18.7	19.3	20.6	19.8	19.0	21.0
26	23.6	24.2	23.2	21.1	21.5	22.5	21.8	21.3	22.4
27	22.6	25.3	23.6	22.9	21.1	22.5	21.7	22.6	23.6
28	19.0	20.2	19.1	15.8	18.1	18.7	18.4	18.6	18.8
29	14.3	16.7	15.7	15.8	12.4	13.6	12.9	12.9	14.6
30	18.2	20.0	18.8	19.5	16.1	18.1	16.8	15.4	18.9
31	18.5	20.9	19.0	18.8	18.8	18.5	17.9	17.0	18.9
MEANS	1020.4	1022.3	1020.9	1020.5	1019.4	1020.4	1019.9	1019.6	1020.6

DECEMBER 1960 . كانون الاول ١٩٦٠

TABLE - 3 . المعدل اليومي للرطوبة النسبيـــــــة (٪)

MEAN DAILY RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS :

التاريخ	بغداد	موصل	كركوك	رطبة	حي	ديوانية	ناصرية	بصرة	حبانية
DATE	BAGH-DAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	70	88	78	66	61	69	61	73	75
2	65	72	82	72	61	63	54	69	65
3	61	72	78	61	60	56	50	59	59
4	69	88	69	60	65	61	48	78	67
5	63	87	56	49	58	57	54	75	69
6	57	77	61	40	53	52	58	64	80
7	79	74	65	78	75	75	69	64	73
8	75	85	70	91	83	84	82	88	80
9	83	77	70	83	84	81	77	88	80
10	69	72	58	54	75	70	66	81	63
11	64	74	59	72	73	65	52	75	66
12	71	84	63	68	65	65	55	74	75
13	71	76	62	64	68	65	59	76	76
14	66	76	66	54	59	63	59	78	73
15	65	77	58	64	58	62	53	73	73
16	66	86	62	70	59	61	55	64	71
17	71	77	60	62	65	67	64	68	73
18	65	77	65	66	65	63	62	75	72
19	71	67	81	56	71	65	61	63	77
20	66	73	56	43	61	72	70	62	70
21	67	73	71	47	64	65	67	77	66
22	65	70	74	57	61	56	56	64	67
23	64	74	70	56	63	63	56	64	72
24	67	77	72	58	56	67	59	75	77
25	66	73	71	55	55	65	51	61	74
26	67	85	72	82	60	66	60	65	71
27	61	74	68	81	56	65	54	66	70
28	67	84	67	57	56	61	55	64	69
29	69	87	81	79	59	63	54	60	79
30	79	81	87	81	69	78	73	70	87
31	79	81	74	84	68	80	70	74	90
MEANS	68	78	69	65	64	66	60	71	73

TABLE 4-a . درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	بغداد		موصل		كركوك		خانقين		رطبة	
	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	24.0	6.7	16.2	9.6	20.8	8.7	22.2	7.5	21.2	7.7
2	21.2	10.0	13.9	5.0	15.4	8.8	19.0	8.3	17.3	5.4
3	18.4	4.2	15.7	3.2	16.9	4.8	17.8	5.0	18.3	2.7
4	18.7	3.6	17.5	0.3	22.2	4.7	20.0	3.9	19.2	1.3
5	22.0	5.8	13.8	4.1	21.1	7.1	21.7	5.0	20.4	7.1
6	19.6	6.2	19.1	5.6	21.1	8.0	22.2	5.5	17.7	8.8
7	20.2	8.3	21.1	5.4	22.8	8.9	20.0	7.2	11.8	6.8
8	18.9	10.6	18.8	4.1	21.4	8.8	20.0	11.1	14.1	7.0
9	20.1	7.7	17.0	3.0	18.7	6.3	21.1	8.9	16.2	7.7
10	21.0	6.7	17.4	3.0	22.4	6.8	22.2	7.2	18.0	3.5
11	21.5	5.4	17.2	2.6	21.9	6.8	20.6	6.6	19.3	4.7
12	20.6	5.5	17.7	2.3	20.3	7.1	20.0	6.6	17.7	5.9
13	22.5	5.2	17.6	1.6	19.6	7.1	20.0	5.0	20.0	6.0
14	21.5	8.1	19.1	4.8	19.4	8.0	19.0	6.6	24.1	9.1
15	22.2	7.0	19.3	3.4	19.6	7.5	21.7	5.6	24.0	8.7
16	22.0	6.4	18.6	2.1	19.9	7.3	21.7	5.0	18.0	5.6
17	21.4	5.5	17.4	2.2	21.8	7.8	21.7	6.6	20.1	2.3
18	19.9	5.7	17.1	3.6	17.5	7.5	18.3	8.0	20.4	2.5
19	17.8	10.5	16.6	5.1	13.9	10.7	13.9	10.6	14.5	3.3
20	21.0	7.6	18.2	2.6	18.2	7.5	19.4	8.3	16.1	2.4
21	18.0	5.5	14.2	0.9	18.6	5.4	20.0	5.0	17.7	4.4
22	18.8	4.7	17.3	3.9	15.3	6.2	17.2	6.1	15.1	1.7
23	18.7	4.3	18.9	0.6	19.4	5.7	18.9	4.0	17.8	2.4
24	19.0	2.7	17.7	0.2	18.9	4.8	16.7	4.4	16.6	2.7
25	17.1	3.8	17.4	0.0	16.8	4.1	18.0	3.3	20.2	5.4
26	20.5	5.6	13.6	2.8	17.0	5.2	17.5	6.1	19.4	10.8
27	20.5	4.4	17.1	1.5	17.2	5.9	18.5	4.4	18.1	5.3
28	18.0	9.0	15.8	4.7	21.0	6.6	22.2	6.6	21.8	8.6
29	18.8	10.8	12.4	5.8	14.1	9.7	14.4	11.1	17.0	9.4
30	19.0	7.2	15.3	3.8	15.5	5.2	17.2	3.9	16.6	6.3
31	20.0	6.0	15.6	5.2	18.8	6.4	22.2	3.9	17.2	2.8
MEANS	20.1	6.5	16.9	3.3	19.0	6.6	19.2	6.4	18.3	5.4

RECORDS OF TEMPERATURES : القراءات القياسية :

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	26.6	3	1956	-6.7	5	1941
MOSUL	27.2	3	1956	-7.4	15	1959
KIRKUK	27.1	2	1956	-6.1	23	1946
KHANAQIN	27.8	2	1956	-5.0	5	1941
RUTBAH	26.0	4	1956	-8.9	5	1941

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TABLE 4-b . درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حي		ديوانية		ناصرية		بصرة		حبانية	
	HAI		DIWANIYA		NASIRIYA		BASRAH		HABBANIYA	
التاريخ	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	23.6	8.8	22.9	8.4	23.5	7.6	22.1	8.9	22.0	9.0
2	23.4	10.9	23.2	7.2	24.4	8.6	23.9	9.3	18.9	10.1
3	19.6	5.2	19.1	6.2	20.4	6.2	20.7	9.0	17.2	4.0
4	20.6	3.7	20.4	2.5	21.0	4.5	21.0	5.0	18.9	3.9
5	23.0	7.1	22.3	6.2	20.0	6.6	24.0	7.9	21.2	3.6
6	22.6	3.3	22.3	5.4	22.0	4.5	23.0	5.2	19.7	4.2
7	23.6	9.4	18.0	10.2	22.4	13.0	26.1	13.9	18.4	7.0
8	20.3	12.3	20.3	11.0	21.6	11.5	18.4	13.5	20.1	10.0
9	18.6	10.3	19.6	8.0	21.2	10.6	19.5	12.8	19.0	8.2
10	20.8	7.6	20.1	6.6	21.4	8.4	20.1	10.4	20.1	5.8
11	21.0	6.9	21.3	6.1	22.0	5.8	21.1	9.5	19.9	6.1
12	19.5	6.7	20.5	6.0	21.2	6.3	21.2	8.1	18.9	5.9
13	20.6	6.3	21.3	5.4	21.5	6.5	21.2	7.6	20.9	4.1
14	21.4	8.4	21.5	7.0	21.4	5.5	19.9	8.1	20.9	8.1
15	21.8	7.3	22.0	7.0	22.6	5.6	21.3	7.2	22.3	6.6
16	23.0	9.3	24.0	8.0	23.9	7.7	23.0	9.4	20.4	6.1
17	22.6	6.8	22.0	4.5	22.5	7.2	24.5	8.0	19.5	5.1
18	22.3	5.8	20.5	3.8	22.4	4.8	23.1	8.6	18.8	3.6
19	19.2	10.4	18.4	10.6	25.0	10.8	24.6	11.6	16.0	6.1
20	17.9	4.7	17.5	8.2	16.9	6.6	15.5	8.6	19.3	7.7
21	20.8	6.0	19.2	4.0	19.2	3.5	19.8	5.3	17.1	4.0
22	19.4	6.4	20.0	4.2	20.3	2.9	20.1	7.0	17.7	3.5
23	19.4	5.7	20.0	4.0	19.6	3.8	19.7	5.3	17.8	2.8
24	20.2	5.7	21.3	4.3	20.0	3.7	19.9	5.0	16.8	1.7
25	19.6	6.4	18.1	4.4	20.0	4.6	20.3	6.0	16.8	2.6
26	20.5	4.4	19.0	4.3	18.7	3.0	20.9	5.6	19.3	5.4
27	21.3	5.8	20.4	6.0	22.0	7.2	21.1	6.8	18.4	4.4
28	22.0	9.0	20.4	9.4	23.2	9.5	21.7	9.1	17.8	8.0
29	21.3	9.9	21.4	11.7	25.4	11.5	25.6	10.8	19.5	10.9
30	19.5	8.1	20.0	6.0	19.8	8.5	20.6	9.6	17.1	5.6
31	20.3	7.4	20.0	6.6	21.4	7.2	21.5	7.1	17.7	5.0
MEANS	21.0	7.3	20.5	6.6	21.5	6.9	21.5	8.4	19.0	5.8

RECORDS OF TEMPERATURES : القراءات الماضية

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
HAI	28.9	1	1943	-4.6	12	1956
DIWANIYA	27.8	1&4	1943	-5.6	30	1948
NASIRIYA	28.2	5	1956	-5.0	6	1941
BASRAH	29.4	1	1942	-2.6	13	1956
HABBANIYA	26.1	1&2	1943	-6.7	5	1941

TABLE - 5 . المعدل الشهري لدرجات الحرارة للبصلة الجافة (سنتغراد)

MEAN MONTHLY DRY BULB TEMPERATURES (C°)

STATION	TIME - G.M.T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.9	7.8	10.1	17.1	19.3	15.5	10.1	10.0	12.4
MOSUL	4.9	4.4	6.7	12.5	15.9	11.2	7.9	6.1	8.7
KIRKUK	8.9	8.4	11.9	16.5	17.5	13.2	11.0	9.9	12.2
KHANAQIN	...	7.7	10.4	17.4	18.9	14.9	11.5	....	13.5
RUTBAH	7.9	6.8	8.5	14.8	17.6	14.1	10.6	9.1	11.2
HAI	...	8.1	11.7	18.7	19.5	15.2	12.1	....	14.2
DIWANIYA	8.7	7.5	11.4	18.3	19.8	15.1	11.8	10.1	12.8
NASIRIYA	9.2	7.9	12.1	19.1	20.9	16.1	13.0	10.8	13.6
BASRAH	10.9	9.3	12.7	19.2	20.7	16.2	13.9	12.3	14.4
HABBANIYA	8.1	6.9	9.3	16.3	18.6	13.6	10.7	9.4	11.6

TABLE - 6 . المعدل الشهري لدرجات الحرارة للبصلة الرطبة (سنتغراد)

MONTHLY MEAN WET BULB TEMPERATURES (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	7.4	6.5	8.2	12.2	12.9	11.7	8.2	8.2	9.4
MOSUL	4.2	3.8	5.6	8.8	10.1	8.4	6.7	5.3	6.6
KIRKUK	7.1	6.6	9.0	11.6	11.8	10.5	8.9	7.9	9.2
KHANAQIN	...	6.2	8.1	12.4	13.1	11.4	9.3	...	10.1
RUTBAH	6.2	5.7	6.6	10.2	11.3	10.0	8.0	6.9	8.1
HAI	...	6.7	9.1	13.3	13.2	10.7	9.2	...	10.4
DIWANIYA	6.9	6.0	8.9	12.7	13.5	11.5	9.2	8.3	9.6
NASIRIYA	7.1	6.0	9.0	12.9	13.4	11.3	9.7	8.3	9.7
BASRAH	9.5	8.1	10.4	14.1	14.7	12.7	11.6	10.5	11.4
HABBANIYA	6.8	5.9	7.7	11.7	12.8	9.3	8.8	7.7	8.8

TABLE - 7 . المعدل الشهري للضغط الجوي على سطح البحر (ملليبارات)

MONTHLY MEAN PRESSURE (mbs.) AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	20.4	20.4	21.6	20.6	19.4	19.8	20.4	20.2	1020.4
MOSUL	22.7	22.9	23.6	22.5	20.9	21.5	22.1	22.3	1022.3
KIRKUK	21.3	21.4	22.0	20.5	19.5	20.3	21.2	21.1	1020.9
KHANAQIN	....	22.3	21.8	20.0	19.0	20.0	21.1	....	1020.7
RUTBAH	20.3	20.8	22.1	20.6	19.1	20.0	21.0	20.3	1020.5
HAI	....	19.4	20.6	19.9	18.3	18.7	19.4	....	1019.4
DIWANIYA	20.1	20.5	21.8	20.6	19.7	19.2	20.2	20.1	1020.3
NASIRIYA	19.9	19.9	21.3	20.0	18.7	19.2	19.8	19.7	1019.8
BASRAH	19.4	19.5	20.9	19.7	18.3	18.6	19.3	19.2	1019.4
HABBANIYA	20.6	20.8	22.1	20.9	19.7	20.1	20.6	20.4	1020.7

TABLE - 8 . المعدل الشهري للرطوبة النسبية (%)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	81	83	76	53	45	62	76	77	69
MOSUL	91	91	86	62	49	69	86	89	78
KIRKUK	78	78	66	54	49	70	76	76	68
KHANAQIN	..	79	72	53	49	64	73	..	65
RUTBAH	77	80	74	54	43	57	68	72	66
HAI	..	84	72	55	49	58	69	..	65
DIWANIYA	76	80	70	52	44	61	69	74	66
NASIRIYA	72	74	65	45	39	53	64	69	60
BASRAH	83	84	74	55	50	65	74	79	71
HABBANIYA	84	86	78	55	48	71	77	80	72

TABLE - 9 المعدل الشهري لضغط البخار (ملليبارات)

MONTHLY MEAN VAPOUR PRESSURE (mbs.)

STATION	T I M E - G . M . T . 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.6	8.8	9.5	10.3	9.9	10.8	9.5	9.5	9.7
MOSUL	7.9	7.7	8.5	9.0	8.8	9.2	9.2	8.7	8.6
KIRKUK	8.7	8.4	9.1	9.8	9.4	10.5	9.9	9.1	9.5
KHANAQIN	...	8.4	9.1	10.6	10.6	10.8	10.0	...	9.9
RUTBAH	8.3	8.1	8.3	8.9	8.5	9.1	8.8	8.4	8.6
HAI	...	9.1	9.8	11.7	11.1	10.1	9.8	...	10.3
DIWANIYA	8.6	8.3	9.5	10.9	10.3	10.5	9.6	9.5	9.7
NASIRIYA	8.5	8.0	9.2	10.0	9.5	9.7	9.5	9.0	9.2
BASRAH	10.9	9.9	10.9	12.1	12.1	11.8	11.8	11.3	11.4
HABBANIYA	9.1	8.6	9.3	10.2	10.2	11.0	9.9	9.4	9.7

TABLE - 10 . المعدل الشهري لدرجات الندى (سنتغراد)

MONTHLY MEAN DEW POINT (C°)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	5.7	4.9	6.0	7.2	6.6	7.8	7.0	6.0	6.4
MOSUL	3.4	3.0	4.3	5.2	4.6	5.5	5.5	4.3	4.5
KIRKUK	4.8	4.4	5.5	6.5	5.8	7.6	6.6	5.2	5.8
RUTBAH	3.9	3.4	3.9	4.9	4.2	5.2	4.7	4.0	4.3
HAI	...	5.4	6.5	9.1	8.1	6.8	6.4	...	7.1
DIWANIYA	4.7	4.1	9.5	7.9	7.1	7.2	6.1	4.9	6.4
NASIRIYA	4.3	3.4	5.5	6.7	6.0	6.2	6.1	5.3	5.4
BASRAH	8.1	6.6	8.0	9.5	9.6	9.3	9.3	8.6	8.6
HABBANIYA	5.2	4.6	5.5	6.9	6.9	8.2	6.6	5.8	6.2

TABLE- 11. المعدل الشهري لكمية الغيوم الواطئة (بالاثمان)

MONTHLY MEAN LOW CLOUD AMOUNT (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.1	0.1	0.6	0.2	0.3	0.3	0.4	0.4	0.3
MOSUL	2.6	2.4	2.3	2.0	1.8	1.8	1.6	1.7	2.0
KIRKUK	0.8	0.5	1.0	1.2	1.4	1.8	1.1	0.6	1.1
KHANAQIN	...	1.0	1.0	1.0	1.1	1.0	1.3	...	1.1
RUTBAH	1.5	1.6	2.1	1.5	1.5	1.5	1.0	1.4	1.5
HAI	...	0.5	0.7	0.5	0.8	0.9	0.5	...	0.7
DIWANIYA	0.6	0.5	0.3	0.8	0.6	0.3	0.3	0.3	0.4
NASIRIYA	0.1	0.1	0.5	0.5	0.7	0.0	0.0	0.1	0.3
BASRAH	0.3	0.7	0.5	0.4	0.5	0.5	0.3	0.2	0.4
HABBANIYA	0.2	0.2	0.7	0.3	0.3	0.1	0.2	0.3	0.3

TABLE - 12 . المعدل الشهري لمجموع كمية الغيوم (بالاثمان)

MONTHLY MEAN TOTAL CLOUD AMOUNT (OKTAS)

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.0	1.6	3.8	3.6	3.6	3.1	2.0	2.2	2.7
MOSUL	3.3	3.4	4.0	4.0	3.8	3.2	2.3	2.2	3.3
KIRKUK	2.2	2.3	2.5	2.6	2.8	2.9	2.2	1.9	2.4
KHANAQIN	...	2.3	3.1	3.0	3.4	3.0	2.0	...	2.8
RUTBAH	3.7	3.8	4.9	4.5	4.7	4.5	3.0	3.4	4.1
HAI	...	2.4	3.6	3.3	4.1	3.6	2.2	...	3.2
DIWANIYA	2.0	2.5	5.9	3.1	2.1	2.2	1.6	1.8	2.7
NASIRIYA	1.0	1.8	2.8	2.9	3.4	2.4	1.2	1.1	2.1
BASRAH	1.5	2.2	2.8	3.0	3.2	2.8	2.1	1.5	2.4
HABBANIYA	2.9	2.7	3.8	3.4	2.9	3.1	2.7	2.7	3.0

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TABLE 13-a . عدد مكرار رصدات الرياح السطحية :

SURFACE - WIND , NUMBER OF OBSERVATIONS OF :

المحطة STATION	الوقت كرينتش TIME GMT.	الاتجاه DIRECTION								السرعة بالعقد SPEED IN KNOTS				السرعة (معدل) MEAN V.K.
		N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	
بغداد BAGHDAD	0000	1	1	3	1	0	0	1	8	16	15	0	0	0	2
	0300	5	0	3	3	0	0	2	10	8	22	1	0	0	3
	0600	1	0	3	1	1	0	9	10	6	25	0	0	0	3
	0900	4	2	1	2	1	0	8	13	0	34	0	0	0	6
	1200	6	1	2	1	0	1	3	16	1	27	3	0	0	6
	1500	1	0	2	2	0	1	0	9	16	15	0	0	0	2
	1800	1	0	3	1	1	0	2	10	6	25	0	0	0	3
	2100	4	1	2	1	0	0	2	9	12	19	0	0	0	3
	TOTAL	23	5	19	10	4	1	36	85	65	179	4	0	0	4
موصل MOSUL	0000	3	0	0	0	1	1	9	1	16	15	0	0	0	2
	0300	4	0	2	0	1	1	12	5	6	25	0	0	0	3
	0600	10	1	2	1	0	0	8	7	2	28	1	0	0	4
	0900	7	2	2	0	0	0	14	6	0	27	4	0	0	7
	1200	9	1	3	2	1	0	9	6	0	30	1	0	0	6
	1500	5	0	1	0	3	0	10	4	8	22	1	0	0	3
	1800	4	0	0	0	1	1	13	3	9	21	1	0	0	3
	2100	3	0	0	0	1	0	16	1	10	21	0	0	0	2
	TOTAL	45	4	10	3	8	3	91	33	54	189	8	0	0	4
كركوك KIRKUK	0000	2	7	1	0	0	0	6	0	20	11	0	0	0	1
	0300	0	8	1	1	0	0	0	0	24	10	0	0	0	1
	0600	1	5	1	1	0	0	1	0	24	10	0	0	0	1
	0900	1	1	2	5	2	5	3	0	12	19	0	0	0	2
	1200	4	1	0	1	1	7	7	1	9	22	0	0	0	3
	1500	0	2	0	1	0	1	8	1	18	13	0	0	0	1
	1800	2	7	2	1	0	0	1	0	18	13	0	0	0	1
	2100	1	3	2	1	0	0	2	1	24	10	0	0	0	1
	TOTAL	11	35	9	11	3	13	23	3	140	108	0	0	0	1
خانقين KHANAQIN	0300	0	0	7	0	2	0	2	0	20	11	0	0	0	2
	0600	0	0	7	1	7	0	1	0	15	16	0	0	0	2
	0900	1	0	1	0	6	0	13	1	9	22	0	0	0	3
	1200	4	0	0	0	4	0	10	4	9	22		0	0	3
	1500	1	1	1	0	3	1	7	4	13	18	0	0	0	2
	1800	2	1	4	0	4	0	2	1	17	14	0	0	0	2
	TOTAL	8	2	20	1	26	1	35	10	83	103	0	0	0	2
رطبة RUTBAH	0000	0	1	1	0	7	8	3	1	10	17	3	1	0	6
	0300	1	1	1	0	0	11	4	3	10	17	3	1	0	6
	0600	1	1	1	2	3	8	6	2	7	21	3	0	0	5
	0900	2	2	4	3	4	6	6	3	1	26	4	0	0	7
	1200	3	3	2	5	5	2	5	4	2	24	3	2	0	7
	1500	1	4	7	4	4	0	1	1	9	19	3	0	0	5
	1800	2	3	2	5	3	2	0	1	13	13	5	0	0	4
	2100	1	1	2	1	4	7	0	2	13	14	4	0	0	5
	TOTAL	11	16	20	20	30	44	25	17	65	161	28	4	0	6

NBER 1960 . كانون الاول ١٩٦٠

E - 13-b . عدد تكرار رصدات اتجاه السطوح ـــــــة :

SURFACE - WIND , NUMBER OF OBSERVATIONS OF :

المحطة TION	الوقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	≥34	معدل السرعة MEAN V.K.
حي	0300	1	0	2	0	0	0	4	18	6	22	2	0	0	4
	0600	0	0	2	0	0	0	4	12	4	22	2	1	0	7
	0900	2	0	2	1	0	0	7	15	2	29	6	2	0	8
	1200	1	0	2	1	0	0	7	16	2	29	6	2	0	7
	1500	0	0	2	0	0	0	6	16	8	22	4	0	0	3
	1800	0	0	0	0	0	0	7	15	9	24	1	0	0	3
	TOTAL	4	0	12	4	0	0	42	92	31	127	23	5	0	5
	0000	4	1	3	0	1	1	3	1	5	24	0	0	0	5
	0300	3	2	2	0	0	0	4	2	6	24	0	0	0	5
	0600	2	0	3	0	0	1	4	2	10	22	0	0	0	5
	0900	1	0	2	0	0	0	6	4	4	26	0	0	0	6
	1200	4	0	2	0	0	0	4	7	9	24	0	0	0	7
	1500	3	0	2	0	0	0	4	3	7	24	0	0	0	7
	1800	3	0	2	0	0	0	4	4	6	24	0	0	0	7
	2100	0	0	2	2	0	0	2	2	6	24	0	0	0	4
	TOTAL	41	7	17	5	5	2	106	26	39	189	20	0	0	5
	0000	3	1	1	1	1	4	10	6	8	27	1	0	0	6
	0300	2	1	0	2	1	2	7	6	5	22	0	0	0	5
	0600	1	1	0	0	1	1	7	2	7	22	0	0	0	5
	0900	4	1	0	0	1	0	5	7	8	25	0	0	0	6
	1200	6	1	0	0	0	0	5	7	8	28	0	0	0	6
	1500	3	1	0	2	0	0	3	2	8	28	0	0	0	5
	1800	6	1	0	2	0	1	8	9	5	28	0	0	0	5
	TOTAL	22	5	6	15	6	10	57	86	44	197	10	0	0	5
	0000	1	1	1	0	0	0	2	8	18	13	0	0	0	2
	0300	1	0	2	0	1	0	5	2	19	14	0	0	0	3
	0600	1	0	1	0	1	0	5	8	14	16	0	0	0	3
	0900	1	0	1	0	3	0	4	9	4	25	4	0	0	5
	1200	3	0	1	0	3	0	4	4	6	21	4	0	0	5
	1500	0	0	0	0	0	0	2	2	15	14	1	0	0	3
	1800	2	0	0	0	0	0	2	9	18	13	0	0	0	2
	2100	2	1	0	0	0	0	1	9	18	13	0	0	0	2
	TOTAL	11	3	5	0	11	1	24	81	112	124	11	1	0	3
	0000	0	1	2	0	0	0	5	5	18	11	2	0	0	2
	0300	1	2	0	1	0	1	2	6	18	13	0	0	0	2
	0600	2	0	2	1	0	0	4	8	14	16	1	0	0	3
	0900	1	1	3	1	0	1	6	10	6	23	2	0	0	5
	1200	6	0	1	1	0	0	2	8	8	21	2	0	0	4
	1500	5	2	1	0	0	0	0	4	19	12	0	0	0	4
	1800	1	0	3	1	0	0	0	5	21	9	1	0	0	2
	2100	2	1	1	2	0	1	2	5	17	12	2	0	0	2
	TOTAL	18	7	13	6	8	3	21	51	121	117	10	0	0	3

DECEMBER 1960 . كانون الاول ١٩٦٠

TABLE 14-a . الهطول اليومي (ملليمترات)

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

DATE / التاريخ	BAGHDAD / بغداد	MOSUL / موصل	KIRKUK / كركوك	KHANAQIN / خانقين	RUTBA / رطبة	HAI / حي	DIWANIYA / ديوانية	NASIRIYA / ناصرية	BASRA / بصرة	HABBANIYA / حبانية
1		1.1								
2										
3										
4		0.2								
5		0.8			tr.					
6					2.5					
7	6.1				5.0	9.1	2.5	0.4	32.0	tr.
8						tr.			1.6	
9										
10										
11										
12										
13										
14										
15										
16										
17										
18	tr.		0.5							
19	0.3		19.9	20.8		tr.				0.2
20				3.8		tr.		tr.	tr.	
21										
22										
23										
24										
25	tr.	tr.			1.6					
26	tr.	0.8	0.2							
27					0.2					
28	tr.	7.6	0.9		2.0					
29	0.3		2.9	0.2			tr.			0.2
30										
31										
TOTAL	6.7	10.5	24.4	24.8	11.3	9.1	2.5	0.4	33.6	0.4

RECORDS OF RAINFALL : القابيرا لما ضيـــــة :

STATION	MAXIMUM RAINFALL IN 24 HOURS	DAY	YEAR
BAGHDAD	40.0	5	1954
MOSUL	70.9	30	1945
KIRKUK	46.3	30	1945
KHANAQIN	71.4	21	1956
RUTBAH	45.7	26	1935
HAI	41.0	5	1954
DIWANIYA	37.6	18	1941
NASIRIYA	22.8	22	1952
BASRAH	57.0	5	1954
HABBANIYA	30.2	13	1958

DECEMBER 1960 — كانون الاول ١٩٦٠

TABLE 14-b . — الجدول ١٤-ب

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

الهطول اليومي (ملليمترات)

التاريخ	راوندوز	تلعوينات	سنجار	تلعفر	حويجة	جمجمال	بكرجو	حلبجة	جوارتا	صلاح الدين
DATE	RAWAN-DUZ	TEL AWAINAT	SIN-JAR	TELAA-FAR	HAWIJA	CHAM-CHAMAL	BAKRA-JO	HALA-BJAH	CHU-ARTA	SALAH ADDIN
1										20.3
2										
3										
4			3.1							
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18				2.0				1.0		
19		10.2			8.0	9.7	14.0	17.0		
20									25.7	
21										
22										
23										
24			0.5							
25										
26										
27										
28			10.0	12.0	4.5					
29		15.2				3.6	4.0	4.0		40.0
30					1.0					
31										
TOTAL	0.0	25.4	13.6	14.0	13.5	13.3	18.0	22.0	25.7	60.3

DECEMBER 1960 .

TABLE - 14-c .

كانون الاول ١٩٦٠

الهطول اليومي (ملليمترات)

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

التاريخ	سناط	دهوك	دوكان	شقلاوة	سرسنك	بنكرد	بيجي	طوز	حديثة	سامراء
DATE	SANAT	DUHOK	DUKAN	SHAQ-LAWA	SERSANK	BINKIRD	BAIJI	TUZ	HADITHA	SAMI-RRAA
1					15.0					
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18			tr.		4.0					
19										2.1
20								40.0		
21										
22										
23										
24										
25										
26					2.0					
27										
28	15.0	15.0	1.5		28.0				4.8	
29			1.5	5.0			5.2			1.2
30						6.5				
31										
TOTAL	15.0	15.0	3.0	5.0	49.0	6.5	5.2	40.0	4.8	3.3

DECEMBER 1960 .

كانون الاول ١٩٦٠

TABLE 14-d .

الهطول اليومي (ملليمترات)

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

التاريخ	منصور	سعدية	بعقوبة	بدرة	هيت	مندلي	كربلاء	هندية	كوت	علي الغربي
DATE	MAN-SOOR	SAIDIYA	BAA-KOBA	BADRA	HIT	MAN-DILY	KARBA-LAA	HIN-DIYA	KUT	ALI ALGHARBI
1										
2										
3										
4										
5										
6										
7	1.0		4.1					1.6	17.5	4.2
8				4.0		7.0				
9										
10										
11										
12										
13										
14										
15										
16										
17										
18			3.1							
19				1.0	0.5	2.0		tr.		
20		4.0								
21										
22										
23										
24										
25										
26										
27										
28					1.3					
29										
30										
31										
TOTAL	1.0	4.0	7.2	5.0	1.8	9.0	0.0	1.6	17.5	4.2

DECEMBER 1960 .

كانون الاول ١٩٦٠

TABLE 14-e .

الهطول اليومي (ملليمترات)

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

DATE		شبكة SHA-BICHA	سلمان SALMAN	قلعة دزة QALAT DIZA	سماوة SAMAWA	معقل MAIQIL	فاو FAO	قلعة صالح QALAT SALIH
1								
2				9.5				
3 4 5 6 7								
8		11.0	5.6			31.8	4.4	4.4
9						1.3		
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31								
TOTAL		11.0	5.6	9.5	0.0	33.1	4.4	4.4

DECEMBER 1960 . كانون الاول ١٩٦٠

TABLE 14-F . الهطول اليومي (ملليمترات)

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

التاريخ	المعظم	ك ٢	عمادية	ديانا	طوسان	سديكان	كويسنجق	قرة داغ	عين سفني	كاني سبكا
DATE	ALEI-THAIM	K2	AMA-DIYA	DIANA	TUSAN	SEDI-KAN	KOI-SINJAK	KARA DAGH	AIN-SIFNI	KANI-SPIKA
1			16.5	16.7	3.8					
2							6.0			
3						4.1				
4										
5					0.4					
6										
7										
8						7.1				
9										
10										
11										
12									4.0	
13										
14										
15										
16										
17										
18			tr.	0.7	6.3		3.0		6.0	
19	1.2	1.5					5.0	0.5		
20								44.1		23.0
21										
22										
23										
24										
25					tr.					
26			tr.		1.2					
27										
28	tr.	6.5	11.0	4.2	18.4					
29	1.8		2.0	3.3	0.4		6.0			
30					tr.		5.0	4.9		
31										
TOTAL	3.0	8.0	29.5	24.9	30.5	11.2	25.0	49.5	10.0	23.0

DECEMBER 1960 . كانون الاول ١٩٦٠

TABLE 14-g . الهطول اليومي (ملليمترات)

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

التاريخ	طقطق	كفري	افراز	كلالا	رميل	قادركرم	مخمور	فتحة
DATE	TAG-TAG	KOUFRI	IFR-AZ	GALA-LA	RUMIL	KADIR-KARAM	MAKH-MOOR	FATHA
1								
2			1.8	13.0				
3								
4								
5								
6								
7								
8								
9								
10								
11					tr.			
12								
13								
14								
15								
16								
17								
18	tr.							
19		15.5			4.7	28.4		3.2
20								
21								
22								
23								
24								
25								
26								
27							27.2	tr.
28	3.0					4.0		5.5
29	4.0	2.5	9.2		1.5			
30				5.0				
31								
TOTAL	7.0	18.0	11.0	18.0	6.2	32.4	27.2	8.7

TABLE 15.

CLIMATOLOGICAL SUMMARY : الملخصات المناخيـــــة :

No. of days of Phenomenas : عدد الايام التي حدثت فيها الظواهر الجويـــة :

المحطـــة	مطر	ثلج	برد	عواصف رعدية	ضباب	زوابع ترابية	السماء غائمة صاحية		صقيع
STATION	RAIN	SNOW	HAIL	THUNDER STORM	FOG	DUST	STATE OF SKY CLEAR	CLOUDY	GROUND FROST
BAGHDAD	3	0	0	0	6	0	10	0	0
MOSUL	5	0	0	0	4	0	7	3	7
KIRKUK	5	0	0	1	2	0	13	2	0
KHANAQIN	3	0	0	1	0	0	11	2	0
RUTBAH	5	0	0	0	3	1	4	6	0
HAI	1	0	0	0	0	0	9	3	1
DIWANIYA	1	0	0	0	0	0	10	1	0
NASIRIYA	1	0	0	0	0	0	..	.	0
BASRAH	2	0	1	2	2	0	11	0	2
HABBANIYA	2	0	0	0	2	0	9	2	0

TABLE 16 .

DURATION OF SUNSHINE : مدة سطوع الشمـــــس :

المحطة	المجموع الشهري لسطوع الشمس بالساعات	اكبر مدة لسطوع الشمس		عدد الايام التي لم تظهر فيها الشمس
STATION	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE IN ONE DAY HOURS	DATE	No. of days without Sunshine
BAGHDAD	229.0	9.7	3	0
MOSUL	200.6	9.6	20&22	1
BASRAH	228.1	9.9	1	1
HABBANIYA	215.0	9.8	3	0

TABLE 17 .

MEAN MONTHLY TEMPERATURES : المعدل الشهري للحرارة :

المحطـــة	حرارة الحشيش	حرارة التربـــة	
STATION	GRASS MINIMUM TEMPERATURE	EARTH TEMPERATURES 0.3 M	1.2 M
BAGHDAD	4.9	15.2	21.9
MOSUL	...	11.1	17.7
KIRKUK	3.4	13.4	17.9
HAI	4.5	....	....
NASIRIYA	4.7	....	....
BASRAH	4.4	....	....
HABBANIYA	4.5	15.6	21.1

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (2300 G.M.T.) AT BAGHDAD AIRPORT

DATE	SURFACE $N_h C_L h C_M C_H$	ww	app	PPP	TT	Td	dd	ff	1000-mbs. HHH	TT	Td	850-mbs. HHH	TT	Td	700-mbs. HHH	TT	Td	600-mbs. HHH	TT	Td
1	00902	10	802	185	14	10	00	00	187	15	09	551	08	01	130	03	63	362	54	74
2	00902	03	704	101	11	09	29	04	185	15	10	552	08	03	120	00	60	340	57	70
3	00900	02	204	206	08	02	32	02	210	10	00	559	09	51	176	04	71	353	56	83
4	00901	01	704	173	06	03	00	00	177	09	03	539	11	51	131	02	73	356	57	83
5	00902	01	307	173	05	04	09	06	168	12	04	530	10	54	117	01	71	339	57	78
6	00906	01	702	184	10	05	10	04	186	12	02	534	07	63	105	52	75	310	60	85
7	00902	02	802	176	09	05	00	00	178	11	04	533	09	63	113	52	65	317	62	68
8	23578	10	400	185	12	12	00	00	189	13	07	530	04	00	080	55	58	290	56	70
9	00900	10	502	198	11	10	30	02	196	11	05	544	05	03	110	53	62	325	57	56
10	00900	02	706	186	09	06	31	05	186	12	06	542	07	51	104	53	59	311	60	69
11	00900	02	801	173	11	07	31	03	168	14	06	534	08	02	106	52	62	326	57	74
12	00901	01	205	160	08	05	00	00	165	12	03	513	08	53	101	00	65	336	56	69
13	00901	01	204	164	10	05	00	00	168	19	11	534	07	02	122	02	56	348	56	63
14	30956	03	605	193	10	08	00	00	194	13	11	559	10	50	149	01	53	377	55	60
15	00900	02	705	182	11	00	00	00	181	18	06	561	12	02	153	10	54	380	55	66
16	00900	02	203	170	09	00	00	00	175	14	04	552	12	50	150	03	62	379	55	72
17	01900	02	400	155	10	05	00	00	161	13	05	520	08	53	108	01	65	333	60	75
18	00900	01	106	162	07	05	12	08	167	14	08	521	06	56	098	01	68	317	58	77
19	50362	01	713	104	14	08	35	08	122	15	08	489	10	03	068	53	56	268	67	64
20	20930	01	30	070	11	06	11	11	092	10	06	428	03	50	977	56	61	168	62	68
21	00900	02	308	154	08	53	00	00	160	08	53	489	04	60	054	51	66	266	59	82
22	00900	02	208	155	07	06	00	00	163	10	04	519	06	53	084	53	58	286	60	71
23	00901	02	702	154	07	03	00	00	162	12	06	512	05	56	069	58	63	299	57	77
24	00900	02	205	145	05	02	02	02	153	10	02	500	04	55	056	52	77	264	68	—
25	00900	02	205	158	08	50	29	02	163	09	01	501	04	53	011	55	66	211	60	70
26	00901	01	001	174	07	03	00	00	174	07	02	522	07	55	097	59	57	302	57	62
27	00900	02	206	191	18	15	35	07	194	16	05	554	09	51	183	51	65	350	55	82
28	20970	01	002	172	13	07	13	03	175	14	05	541	11	02	130	50	54	350	56	64
29	30927	02	707	097	13	07	32	05	117	14	08	501	16	07	139	04	02	376	53	61
30	00900	02	204	137	08	08	31	05	152	10	09	505	07	52	085	02	75	310	56	—
31	00900	02	206	148	11	05	00	00	155	12	06	513	11	60	115	04	72	342	56	72

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (2300 G.M.T.) AT BAGHDAD AIRPORT

DATE	500-mbs.			400-mbs.			300-mbs.			200-mbs.			150-mbs.		
	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td	HHH	TT	Td
1	776	61	83	478	75	93	471	84	03	142	08	20	923	13	--
2	735	67	79	371	72	91	356	96	05	954	10	17	750	10	11
3	753	67	01	375	80	06	367	94	18	996	06	34	814	07	35
4	753	67	96	387	80	02	371	94	10	574	10	24	943	12	28
5	734	67	81	370	80	90	360	85	95	970	11	21	746	10	20
6	693	68	93	323	81	01	304	95	14	906	12	--	680	13	--
7	690	70	78	313	81	92	285	98	08	871	10	19	677	09	18
8	682	67	82	312	82	95	274	99	11	896	05	16	726	08	--
9	723	65	77	377	75	88	400	90	97	041	11	13	826	10	14
10	643	69	81	324	79	92	315	95	06	508	08	18	923	12	25
11	523	65	83	383	75	90	411	90	97	054	09	16	887	11	18
12	574	65	75	399	77	89	426	90	00	067	11	19	840	13	--
13	575	66	72	394	78	87	398	94	04	013	07	17	811	11	21
14	579	63	68	460	74	78	498	39	93	148	12	15	896	14	17
15	579	65	78	438	76	86	464	89	98	101	00	08	868	08	18
16	598	65	82	423	79	93	427	92	03	017	10	21	866	10	20
17	571	68	83	333	79	92	333	94	07	931	10	21	318	12	--
18	570	69	91	327	80	95	315	96	09	889	15	--	642	18	--
19	563	72	73	238	84	86	210	95	99	850	07	13	665	08	14
20	553	73	78	133	84	90	105	91	97	826	99	06	672	07	--
21	566	65	94	311	76	05	318	93	14	933	10	11	730	09	31
22	567	70	83	284	81	95	267	94	03	925	02	15	783	06	19
23	567	66	--	317	78	94	371	91	03	962	07	17	784	07	18
24	566	68	--	282	81	05	265	95	13	911	02	20	773	05	--
25	588	71	79	199	83	92	165	97	07	807	04	13	660	05	13
26	570	66	72	839	79	84	331	93	99	964	06	13	692	08	15
27	575	65	95	402	77	11	414	91	12	065	06	--	--	--	--
28	576	63	78	425	75	82	463	88	93	132	06	11	941	11	19
29	579	66	76	443	74	84	486	89	96	190	01	09	037	08	17
30	571	66	81	350	78	93	360	91	07	023	04	19	850	08	--
31	574	68	04	372	79	01	372	93	11	020	04	19	854	08	--

TABLE-19

Month: DECEMBER 1960 .

Average height and temperatures for selected stations at (0004 G.M.T.)

850, 700 & 500 - mbs., Surface , 0001 G.M.T.

STATIONS	62366			17606			17130			40754			40650			40427			40477			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.,	153	12	13	152	09	13	152	03	11	153	07	10	152	08	13	154	10	15	154	12	11	154	15	15
700-mbs.,	313	03	16	310	00	20	20	-2	20	310	-4	10	311	00	17	312	02	18	314	04	08	316	07	12
500-mbs.,	576	-12	29	572	-17	31	565	-19	31	567	-14	17	572	-17	23	577	-13	32	581	-11	14	586	-8	15

Average height and temperatures for selected stations at (1200 G.M.T.)

850 , 700 & 500 - mbs., Surface , 1200 G.M.T.

STATION	62366			17606			17130			40754			40650			40427			40477			40596		
	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF	HHH	TT	FF
850-mbs.,	152	11	16	152	09	13	150	04	13	152	07	09	153	08	12	153	10	13	154	11	11	153	16	12
700-mbs.,	312	02	19	310	00	19	307	-2	21	309	-4	09	310	02	16	312	03	20	316	06	09	316	08	13
500-mbs.,	577	-12	31	572	-19	35	566	-19	32	567	-18	21	572	-16	24	577	-14	31	581	-12	15	585	-8	15

NOTE: THE ABOVE INFORMATIONS ARE EXTRACTED BY INTERPOLATION FROM UPPER AIR MAPS.

TABLE 20-8

BAGHDAD AIRPORT

Months December 1960 .

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	1																		4
500 -1000M				1	3	3	1																		8
1000 -1500M	1	1	1	1	3	3	1	1				1						1	2	2	2	2	2	1	24
1500 -3000M	1	1	1	3	6	5	5		1				1	1	1	7	3	1	2	1	1		1	1	43
3 -5KM				2	4	4	4	4	2	1					3	8	4	3	1	2	1	1	1	1	46
5 -10KM	1	3	4	2	6	4	6	12	8	3	2	1			10	9	13	8	4	3	2	2		2	105
10 -15KM	16	15	15	12	7	8	7	6	8	11	12	8	6	8	12	7	9	14	13	12	11	11	15	12	253
15KM	12	11	12	10	1	2	6	8	12	16	17	21	24	22	5		2	4	9	11	14	15	12	14	260
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 case 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						1	1									1	1	2	2	12
900M	31	30	30	30	30	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	30	30	29	29	732

TABLE 20-b

BASRAH AIRPORT

Months December 1956 .

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																					2
>1000 -1500M			1																						1
>1500 -3000M			1		3									1/1	1/1	1/1									7
>3 -5KM					1	3	3	1	1				1/1	1/1	1/1		1								13
>5 -10KM	6	6	4	4	8	8	4	4	2	2	2	1/2	1/3	3/3	1/1	1/1	1/3	1/4	1/3	1/3	1/4	1/5	5	5	97
>10 -15KM	4	6	7	8	4	6	5	3	2	2	2	3		1	3	4	1	3	8	7	6	5	5	3	100
>15KM	21	18	18	18	15	14	19	23	26	24	27	26	25	25	25	25	26	24	20	21	21	21	21	23	524
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			1	1																					2
>50 -150M																									
>150 -300M																									
>300 -500M			1	1	1		1	1																	5
>500 -900M			1			1																			2
900	5	5	5	6	7	8	10	10	11	12	12	14	13	15	15	12	8	8	6	7	8	5	5	5	212

TABLE 21-a

Month: December 1960

BAGHDAD AIRPORT

Simultaneous occurrences of specified visibility ranges and specified lowest cloud base ($\geq$ 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																														
																					1								1	
>500-900																														
																						1					1	1		1	2
5/8 OR *					1	1		1	1	1		1	1	3	5		2	4	1	1	6	16	12	7	12	10	6	31	30	31
900														1	7	1		8	3		9	11	6	7	16	24		31	31	31
AND ≥5/8						2			2	2	2	6	2		19	1	1	17	4	2	26	13	11	83	9	14	91	31	30	246
					1	1		1	1	1		1	1	3	5		2	4	1	2	6	16	12	7	12	10	6	31	31	31
TOTAL														1	7	1		8	3		9	11	6	7	16	24		31	31	31
					2				2	2	2	6	2		19	1	1	17	4	2	27	13	11	83	9	15	92	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	GMT.
18	21	To	

To=Total for all hours

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

TABLE 21-B. (24) Month: December 1960.

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																							1	1					1	1
																								2						2
>500-900																														
<5/8 OR *																		3	6	4	4	4	7	4	21	18	19	31	29	30
>900															1		1		3	5	1	2		4	26	25	25	31	31	31
AND ≥5/8															1			4	3	5	31	8	5	34	20	21	175	31	31	245
								1										3	6	4	4	4	8	5	21	18	19	31	31	31
TOTAL															1		1		3	5	1	2		4	26	25	25	31	31	31
									1						1			4	3	5	31	8	5	36	20	21	175	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 GMT.
18 21 To

To=Total for all hours

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