MARCH 1966 (3)

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

المديرية العامة للأرصاد الجوية

قسم المناخ

بغداد

مجلة مناخية شهرية

المجلد ٢٩ العدد (٣) مارس ١٩٦٦

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

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MARCH 1966.

TABLE 1 -8.

المعدل اليومي لدرجات الحرارة (مئوية) آذار ١٩٦٦

DAILY MEAN TEMPERATURES (C°) OF 8 OBSERVATIONS

الايام	سنجار	موصل	كركوك	رطبة	حبانية	بغداد
DAYS	SINJAR	MOSUL	KIRKUK	RUTBAH	HABBANIYA	BAGHDAD
1	12.1	12.1	10.9	9.6	12.6	12.6
2	13.7	10.6	12.0	11.6	13.7	14.6
3	15.4	12.1	13.7	13.4	14.4	14.7
4	14.6	13.1	14.9	15.2	15.4	16.1
5	16.9	14.7	17.0	14.4	18.2	18.5
6	16.5	15.4	17.1	14.4	17.2	16.7
7	18.5	14.9	16.5	16.5	17.1	16.7
8	17.4	16.0	18.4	18.6	19.0	19.8
9	16.9	16.7	17.9	15.6	18.5	20.6
10	18.2	17.7	19.3	16.4	20.7	22.4
11	12.1	12.2	17.4	15.4	19.5	18.0
12	15.0	15.8	15.5	12.6	17.6	18.9
13	13.6	14.1	15.3	11.4	16.3	17.7
14	14.9	13.6	13.7	11.9	15.4	16.0
15	15.4	14.3	14.9	14.2	16.3	17.1
16	15.9	15.3	16.7	16.4	17.2	18.2
17	15.6	14.4	16.7	17.1	19.6	19.6
18	13.7	13.9	15.4	12.9	16.7	18.9
19	12.4	9.5	10.2	10.4	14.5	14.3
20	9.4	9.8	8.9	8.3	13.9	13.6
21	7.9	10.4	9.3	8.9	13.4	13.0
22	8.2	9.2	8.4	7.6	13.5	14.0
23	10.9	10.3	10.3	8.9	13.0	12.8
24	13.2	11.4	12.1	11.0	13.7	14.0
25	13.3	12.7	13.8	14.6	15.8	15.7
26	11.9	13.5	15.6	18.2	20.6	20.4
27	11.6	12.1	14.4	15.4	17.4	18.6
28	10.3	11.8	12.0	12.1	14.8	15.4
29	11.7	11.5	12.0	11.5	14.7	14.2
30	13.9	12.6	13.5	13.8	15.0	15.3
31	15.8	14.7	14.7	16.3	17.2	17.5
MEANS	13.8	13.1	14.1	13.4	16.2	16.6
DEPARTURE FROM NORMAL	0000	+1.1	+0.8	+0.9	+0.6	+0.8

NOTE : AT SINJAR OBSERVATIONS 0000 & 2100 ARE MISSED.

T I M E - G . M . T .

$$\frac{0000 + 0300 + 0600 + 0900 + 1200 + 1500 + 1800 + 2100}{8} = \text{DAILY MEAN}$$

MARCH 1966.

TABLE 1

DAILY MEAN TEMPERATURES (°C) OF 8 OBSERVATIONS

DAYS	NUKHAIB	HAI	NAJAF	DIWANIYA	NASIRIYA	BASRAH
1	12.1	14.1	12.6	13.3	14.8	16.2
2	16.0	15.9	14.4	15.0	14.7	15.7
3	16.4	17.0	15.3	16.0	16.4	16.8
4	17.9	17.9	16.3	16.1	17.7	17.8
5	18.9	18.9	18.4	17.9	19.2	19.7
6	18.7	19.2	18.7	17.3	19.5	20.5
7	20.7	20.1	17.9	17.7	19.0	19.3
8	22.7	20.7	19.3	19.8	19.8	19.5
9	18.6	22.0	20.4	21.0	22.8	22.5
10	23.8	22.4	23.3	24.7	22.3	23.1
11	19.6	14.7	17.8	18.4	19.3	21.4
12	17.9	19.0	18.2	19.1	20.4	23.2
13	16.3	19.5	17.8	17.7	20.2	21.1
14	18.0	17.3	17.7	16.6	17.1	18.4
15	19.2	18.5	18.5	17.6	17.4	18.9
16	20.2	21.2	18.6	18.3	18.8	19.3
17	23.0	20.6	20.9	19.6	19.6	20.6
18	18.1	21.8	20.2	21.2	22.0	22.9
19	15.0	18.2	17.2	18.1	20.4	21.6
20	13.6	15.3	15.2	15.1	17.0	17.4
21	13.6	15.2	14.0	13.7	14.7	15.7
22	12.7	17.2	14.8	15.0	16.0	16.5
23	14.0	15.6	14.3	15.1	15.4	17.5
24	16.3	16.4	15.7	15.2	15.5	16.9
25	19.4	17.5	17.1	16.6	16.4	17.0
26	24.0	19.9	21.6	20.1	19.9	19.6
27	22.2	22.1	21.4	21.2	22.2	22.7
28	14.6	18.4	16.2	16.7	18.2	20.2
29	17.1	17.2	16.6	16.6	17.6	16.2
30	18.7	17.5	17.1	16.9	17.7	17.4
31	20.6	19.8	18.7	18.5	18.7	18.3
MEANS	18.1	18.4	17.6	17.6	18.4	19.2
DEPARTURE FROM NORMAL	....	+1.4	....	+1.1	+1.5	+1.0

NOTE : AT NUKHAIB, OBSERVATIONS 0000 , 0300 AND 2100 ARE MISSED.
AT HAI OBSERVATIONS 0000 & 2100 ARE MISSED.

TABLE 2- a. المعدل اليومي للضغط الجوي على سطح البحر (بالملي بارات)

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

الايام	سنجار	موصل	كركوك	رطبة	حبانية	بغداد
DAYS	SINJAR	MOSUL	KIRKUK	RUTBAH	HABBANIYA	BAGHDAD
1	1011.7	1011.8	1011.5	1016.4	1012.0	1012.1
2	23.7	24.0	22.8	23.8	22.2	21.7
3	23.8	23.6	22.6	22.5	22.6	22.2
4	21.5	19.4	18.9	15.9	18.1	18.4
5	15.5	16.6	16.3	14.1	13.5	14.7
6	17.2	16.5	15.9	17.1	15.5	15.5
7	16.7	16.5	16.0	14.7	15.5	15.7
8	14.5	14.3	13.5	11.6	11.9	12.6
9	12.7	13.1	12.9	13.3	11.6	11.9
10	13.6	12.5	11.9	10.8	09.3	09.6
11	10.4	09.5	10.5	05.8	07.7	09.3
12	12.8	11.8	12.1	12.4	11.3	11.3
13	15.2	15.5	15.0	16.8	15.3	14.9
14	21.8	22.4	22.1	22.3	22.3	22.1
15	22.9	23.3	22.6	22.0	22.5	22.2
16	18.8	18.4	17.5	16.4	17.4	17.3
17	12.1	11.8	10.9	09.6	09.4	10.1
18	10.5	09.9	09.2	10.8	08.8	08.6
19	04.5	05.3	05.1	06.8	05.0	05.0
20	07.3	07.8	07.9	11.0	09.0	09.4
21	11.5	12.4	13.2	15.6	14.0	14.3
22	16.2	16.9	16.6	15.5	14.5	14.5
23	20.5	20.6	19.5	21.6	19.7	18.9
24	20.8	22.0	20.7	21.6	20.9	20.7
25	21.1	20.9	20.0	18.2	19.6	19.7
26	17.3	16.1	16.0	12.8	13.7	14.5
27	12.6	13.3	13.0	11.1	11.5	11.9
28	13.0	13.9	14.4	14.8	14.8	14.6
29	17.1	16.8	16.5	16.9	16.8	16.9
30	18.8	19.6	18.9	17.7	18.5	18.5
31	19.3	20.0	19.7	15.9	18.8	19.0
MEANS	1016.0	1016.0	1015.6	1015.3	1015.0	1015.1
DEPARTURE FROM NORMAL	....	+0.8	+1.0	-0.2	+0.7	+0.4

STATIONS	HIGHEST	DAY	TIME	YEAR	LOWEST	DAY	TIME	YEAR	
SINJAR	1026.0	15th	0300	1966	1002.4	19th	1200	1966	1966
MOSUL	1026.2	3rd	0300	1966	1003.6	19th	1500	1966	
KIRKUK	1025.2	2nd	2100	1966	1002.6	19th	1200	1966	
RUTBAH	1025.3	2nd	0600	1966	1003.5	11th	0300	1966	
HABBANIYA	1024.7	3rd	0600	1966	1003.4	19th	0300	1966	
BAGHDAD	1023.9	3rd	0600	1966	1003.4	19th	0300	1966	
SINJAR	1028.3	3rd	0600	1962	995.4	12th	0300	1964	RECORD
MOSUL	1032.6	3rd	0600	1961	996.1	12th	0300	1964	
KIRKUK	1030.6	3rd	0600	1961	997.4	12th	0300	1964	
RUTBAH	1032.2	3rd	0600	1961	995.8	11th	2100	1964	
HABBANIYA	1031.4	3rd	0600	1961	996.1	22nd	1200	1941	

TABLE 2 -b.

المعدل اليومي للضغط الجوي على سطح البحر (ملليبارات)

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

الأيام	نخيب	حي	نجف	ديوانية	ناصرية	بصرة
DAYS	NUKHAIB	HAI	NAJAF	DIWANIYA	NASIRIYA	BASRAH
1	1014.9	1010.0	1012.5	1012.7	1012.1	1012.4
2	22.5	18.3	21.1	21.0	19.9	19.4
3	22.2	20.0	21.9	21.9	20.8	20.8
4	16.7	18.0	17.7	18.5	18.1	18.9
5	13.0	15.2	13.4	14.3	14.9	16.5
6	16.7	15.4	15.3	15.8	14.9	15.7
7	15.0	14.6	15.0	15.5	16.0	14.9
8	10.5	12.3	11.9	12.5	13.1	14.3
9	12.5	11.3	10.8	11.3	11.7	14.1
10	08.6	10.4	08.4	09.4	10.5	13.1
11	06.4	12.6	08.8	10.1	12.1	14.3
12	12.0	10.6	09.8	11.8	10.6	12.6
13	16.2	13.1	14.8	14.5	13.0	13.8
14	21.7	19.7	21.8	21.6	20.4	19.5
15	21.8	19.5	21.8	21.8	20.5	19.4
16	16.8	15.4	17.0	17.1	16.3	16.1
17	08.4	10.1	09.5	09.9	09.8	10.3
18	09.9	07.8	07.5	07.7	06.9	07.3
19	06.8	04.1	05.1	05.3	04.3	04.3
20	10.8	10.5	10.1	10.7	10.9	11.7
21	15.7	14.5	14.4	15.2	14.9	15.2
22	14.9	13.7	13.5	14.2	14.2	15.5
23	21.0	16.5	18.9	18.3	17.0	16.2
24	21.4	18.8	20.8	20.2	19.4	18.6
25	18.5	19.5	19.2	19.7	19.2	19.1
26	12.5	15.3	13.6	14.1	14.8	16.2
27	10.9	11.0	10.8	11.0	10.5	12.6
28	15.7	13.2	14.3	14.5	13.6	12.9
29	16.5	15.5	16.3	16.5	15.9	16.1
30	17.9	16.9	18.3	18.3	17.2	17.0
31	17.3	17.3	18.5	18.5	17.7	17.7
MEANS	1015.0	1014.2	1014.6	1015.0	1014.6	1015.0
DEPARTURE FROM NORMAL	****	-0.5	****	+1.0	+0.5	+0.9

STATIONS	HIGHEST	DAY	TIME	YEAR	LOWEST	DAY	TIME	YEAR	
NUKHAIB	1024.6	3rd	0600	1966	1005.0	19th	1200	1966	1966
HAI	1021.0	3rd	0600	1966	1001.4	19th	0900	1966	
NAJAF	1023.9	15th	0600	1966	1002.6	19th	03&06	1966	
DIWANIYA	1023.8	15th	0600	1966	1002.9	19th	03&06	1966	
NASIRIYA	1022.4	15th	0600	1966	1000.8	19th	0900	1966	
BASRAH	1022.0	9th	0900	1966	1000.0	19th	0900	1966	
NUKHAIB	1025.6	22nd	0600	1963	1001.4	22nd	1500	1965	RECORD
HAI	1028.0	3rd	0600	1961	999.2	27th	1500	1962	
NAJAF	1024.6	16th	0600	1965	995.8	12th	0000	1964	
DIWANIYA	1030.1	3rd	0900	1961	995.8	22nd	1300	1941	
NASIRIYA	1029.1	9th	0600	1959	998.8	27th	1200	1962	
BASRAH	1028.4	9th	0600	1959	995.9	22nd	1300	1941	

TABLE - 3 . المعدل اليومي للرطوبة النسبية (٪)

DAILY MEAN RELATIVE HUMIDITY (%) OF 8 OBSERVATIONS

الايام DAYS	سنجار SIN-JAR	موصل MO-SUL	كركوك KIR-KUK	رطبة RUT-BAH	حبانية HABB-ANIYA	بغداد BAGH-DAD	نقيب NUK-HAIB	حي HAI	نجف NA-JAF	ديوانية DIWA-NIYA	ناصرية NASI-RIYA	بصرة BAS-RAH
1	58	83	85	48	76	75	43	73	68	63	58	68
2	49	68	61	42	63	56	31	60	54	55	59	74
3	44	73	58	36	66	54	34	59	50	51	53	70
4	45	72	58	29	64	50	26	55	46	52	46	63
5	51	64	45	36	47	44	22	50	43	43	41	59
6	53	65	48	39	54	53	32	60	41	48	47	73
7	43	65	56	36	57	52	28	51	43	49	53	73
8	44	65	45	30	52	47	30	51	42	41	46	63
9	43	68	46	45	51	49	39	49	43	47	37	59
10	35	58	48	41	52	49	29	44	42	42	48	65
11	72	75	59	76	69	71	67	74	67	69	47	74
12	60	81	87	66	80	70	42	72	75	75	65	60
13	59	70	72	66	67	66	49	78	60	73	65	74
14	48	73	70	64	70	62	37	64	45	58	60	74
15	49	66	60	51	65	54	37	55	43	52	57	71
16	45	61	58	33	64	51	29	56	43	54	58	77
17	48	75	58	43	53	48	24	54	38	50	56	62
18	47	63	66	56	69	56	46	50	45	44	49	48
19	56	79	82	48	72	78	49	61	56	49	52	56
20	70	85	84	63	66	62	41	57	52	50	42	52
21	73	72	74	52	58	58	32	64	46	54	49	58
22	59	76	70	70	66	56	58	54	45	45	45	44
23	42	64	62	49	63	52	34	58	49	46	51	51
24	33	59	54	39	55	44	36	50	38	41	47	54
25	51	59	52	34	52	43	26	45	41	47	48	60
26	69	73	54	34	42	33	27	45	38	34	41	49
27	74	85	70	51	67	57	46	40	44	45	34	50
28	55	67	72	44	63	58	50	65	54	62	61	73
29	51	69	59	52	60	59	39	49	45	48	46	70
30	45	68	56	46	56	52	35	49	38	47	44	67
31	46	65	54	49	53	50	32	55	38	43	42	74
MEANS	52	70	62	47	61	55	37	56	47	51	50	63
NORMAL	..	70	59	48	58	53	..	56	..	52	50	65

STATIONS	HIGHEST	TIME	DAY	LOWEST	TIME	DAY
SINJAR	97%	1800	27th	25 %	1200	24th
MOSUL	98	0000	1st	26	1200	10th
KIRKUK	99	0000	1&28th	19	1200	11th
RUTBAH	98	1500	11th	11	1200	4th
HABBANIYA	97	0000	3&19th	21	1200	5th
BAGHDAD	96	1800	27th	20	1200	26th
NUKHAIB	86	1800	27th	10	1500	4th
HAI	90	0300	13&28th	27	1200	26th
NAJAF	90	0300	12&13th	15	1200	30th
DIWANIYA	88	0300	2nd	14	1200	5&26th
NASIRIYA	84	1200	11th	17	1200	26th
BASRAH	97	0300	17th	19	0900	22nd.

TABLE 4- a.

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	سنجار		موصل		كركوك		خانقين		رطبة	
	SINJAR		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	16.4	8.8	18.2	8.8	13.6	9.4	14.4	9.4	14.0	5.0
2	20.8	7.2	19.2	5.2	19.0	5.6	19.4	6.1	20.0	3.6
3	22.3	8.3	20.8	4.7	21.5	7.1	23.3	4.4	24.0	3.0
4	21.4	7.7	22.2	4.3	21.3	7.6	23.3	7.8	24.0	6.0
5	22.4	8.6	21.9	8.[illegible]	22.1	12.1	25.0	6.1	22.4	8.0
6	22.3	10.1	23.5	7.8	22.0	10.4	23.9	7.2	22.4	5.0
7	22.7	9.4	24.2	6.8	23.9	9.8	23.9	7.2	26.0	6.0
8	23.0	10.9	24.8	8.3	26.0	9.1	27.2	7.2	27.2	11.5
9	22.3	10.[illegible]	24.1	9.0	22.4	12.4	26.1	10.0	22.5	9.6
10	22.3	11.[illegible]	26.2	9.3	26.6	12.8	23.9	12.2	25.0	8.8
11	16.5	[illegible]	19.2	16.3	22.1	18.4	26.7	13.3	17.5	14.0
12	20.2	[illegible]	20.2	12.2	18.6	12.4	25.0	13.3	18.0	7.0
13	18.8	8.9	20.1	9.4	20.5	13.3	19.4	12.8	17.0	9.0
14	21.2	6.9	19.8	7.4	19.7	8.4	20.0	6.1	20.0	4.0
15	21.2	7.9	20.8	8.2	20.2	9.4	21.7	6.1	23.0	5.0
16	20.9	8.8	23.4	7.8	23.6	9.5	25.0	7.8	24.0	9.0
17	19.9	9.8	22.6	7.8	22.9	10.6	26.7	7.2	24.0	12.0
18	16.8	7.9	19.8	8.1	20.0	11.0	22.2	11.1	19.4	8.0
19	15.4	7.4	13.4	6.2	14.1	8.6	16.7	7.8	14.0	7.2
20	13.2	5.1	18.1	6.0	11.4	7.2	14.4	7.2	13.0	5.0
21	11.3	4.3	15.2	8.0	13.8	6.4	16.1	6.6	14.5	2.2
22	13.4	2.4	16.4	4.6	14.6	6.0	16.1	7.2	13.0	3.0
23	14.6	4.5	17.6	4.0	17.0	2.6	18.3	4.4	14.6	1.6
24	16.9	8.0	19.4	3.8	18.4	4.8	19.4	2.8	19.4	2.5
25	18.2	6.4	19.2	3.6	19.9	6.6	21.1	3.9	23.0	3.4
26	16.0	6.0	18.8	9.8	21.4	11.6	22.2	10.6	25.5	10.0
27	12.6	11.4	16.0	8.6	19.8	10.3	25.6	8.3	26.2	13.0
28	13.7	4.9	16.7	7.8	15.9	9.3	17.8	11.7	18.0	5.5
29	15.9	6.0	18.2	4.8	17.4	5.9	18.9	5.0	18.0	5.5
30	17.4	7.1	19.1	5.0	19.2	6.9	20.0	5.0	21.0	6.2
31	20.6	9.8	21.8	8.4	21.1	7.4	22.2	6.1	24.0	8.0
MEANS	18.4	7.9	20.0	7.4	19.7	9.1	21.5	7.8	20.5	7.0
DEPARTURE FROM NORMAL	...	...	+0.9	+1.7	+1.0	+1.3	+0.7	-0.5	+3.3	+1.6

STATIONS	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
SINJAR	26.7	23rd	1962	0.0	19&20th	1963
MOSUL	30.6	24th	1962	-3.9	3rd	1948
KIRKUK	34.4	24th	1962	-5.6	14th	1945
KHANAQIN	35.6	24th	1962	-2.2	14th	1945
RUTBAH	36.2	24th	1962	-6.1	14th	1939

MARCH 1966.

TABLE 4 -b-

آذار ١٩٦٦ (٦)

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حبانية		بغداد		نخيب		حي	
	HABBANIYA		BAGHDAD		NUKHAIB		HAI	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	15.0	10.6	15.0	10.0	14.3	8.0	18.0	11.0
2	20.6	6.4	21.7	7.0	21.0	4.2	23.4	7.0
3	21.4	5.9	22.6	7.1	22.0	4.0	25.2	6.8
4	23.0	7.2	23.5	6.0	22.8	4.0	24.4	9.0
5	27.0	9.5	26.2	10.5	24.6	6.5	26.2	8.8
6	25.3	10.3	25.0	8.8	23.6	7.4	26.3	10.0
7	24.7	8.8	25.8	7.0	25.6	7.0	26.6	10.8
8	26.7	10.0	27.0	9.1	27.4	10.5	27.4	10.9
9	26.0	11.7	27.2	15.0	21.8	9.1	26.2	14.0
10	26.8	13.8	28.2	16.2	28.3	8.4	28.2	16.2
11	22.2	19.4	19.8	16.8	21.5	16.2	20.0	18.0
12	20.6	15.2	22.9	13.4	20.8	12.4	21.6	15.0
13	22.0	11.7	23.0	14.8	20.0	10.4	24.0	15.4
14	21.4	9.0	22.0	8.8	21.8	6.4	23.6	10.0
15	23.0	9.9	23.5	10.6	22.6	7.2	24.2	12.0
16	24.7	10.2	25.5	10.2	23.8	7.4	26.6	9.8
17	27.2	10.6	27.7	8.7	28.1	10.5	27.8	10.8
18	20.6	13.4	24.5	14.1	21.6	12.4	28.0	14.0
19	18.4	11.1	18.4	13.5	19.5	9.8	25.2	15.0
20	18.2	9.9	18.3	8.8	17.6	8.0	19.0	10.0
21	18.0	7.8	18.4	6.8	16.6	4.5	20.2	9.0
22	18.4	8.8	19.8	9.0	18.2	5.6	21.6	14.0
23	19.0	7.8	19.5	6.4	17.5	6.4	21.2	10.0
24	20.7	6.6	21.8	5.6	20.0	3.6	23.0	7.2
25	22.0	6.9	22.7	4.5	23.8	5.0	25.0	6.0
26	29.5	13.4	27.0	13.8	29.6	6.2	25.4	11.0
27	22.7	12.8	25.2	14.1	27.9	12.3	27.8	12.0
28	19.0	11.7	19.4	12.0	18.0	7.4	22.8	14.6
29	21.0	8.9	20.8	6.5	20.2	6.5	23.0	9.0
30	22.2	7.2	22.1	6.2	21.6	7.3	23.4	8.2
31	24.5	7.8	24.1	7.6	23.7	[illegible].6	26.2	9.0
MEANS	22.3	10.2	22.9	10.0	22.1	7.8	23.9	11.8
DEPARTURE FROM NORMAL	-0.3	+1.0	+0.7	+0.8	....	....	+0.4	+0.4

STATIONS	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
HABBANIYA	36.1	24th	1962	-2.8	1st	1938
BAGHDAD	34.2	24th	1962	-2.8	5th	1952
NUKHAIB	34.1	10th	1965	-1.4	12th	1963
HAI	35.0	24th	1962	0.0	14th	1959

TABLE 4 -C.

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	نجف		ديوانية		ناصرية		بصرة	
	NAJAF		DIWANIYA		NASIRIYA		BASRAH	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	16.8	12.0	17.5	12.8	18.5	12.2	21.5	12.5
2	22.4	5.6	22.8	7.6	22.0	7.5	21.2	10.1
3	23.8	8.0	24.8	8.2	24.2	8.3	24.3	9.0
4	24.2	8.0	25.0	7.1	24.4	10.2	25.8	9.5
5	28.2	9.4	27.8	8.3	26.0	11.4	28.0	10.9
6	26.4	11.0	25.5	8.2	26.8	13.7	29.4	11.2
7	27.0	10.3	26.8	9.0	26.9	11.8	26.5	12.3
8	28.2	10.4	28.5	11.4	27.5	10.8	27.2	11.2
9	28.3	11.6	29.0	12.5	31.4	15.4	31.4	16.0
10	32.0	16.2	31.5	15.0	27.9	15.1	32.9	17.4
11	20.4	16.8	19.5	18.3	20.8	19.3	26.2	17.6
12	22.3	13.1	24.4	15.1	24.5	17.0	28.1	19.1
13	22.9	13.8	22.0	16.2	24.7	17.3	26.4	18.9
14	23.2	11.2	23.5	9.8	22.4	10.6	24.0	13.2
15	24.2	11.8	24.6	10.8	23.8	10.2	24.2	13.9
16	25.4	10.6	26.5	9.5	25.8	11.6	26.0	12.8
17	28.5	12.5	28.0	9.2	28.2	10.4	28.6	12.1
18	25.4	13.5	28.0	14.6	28.3	15.3	31.8	14.5
19	20.6	14.4	23.5	14.8	27.6	18.3	32.4	17.8
20	20.4	11.4	20.4	12.2	20.5	14.1	20.4	15.3
21	19.7	7.5	20.6	8.5	18.9	10.0	20.7	12.6
22	20.5	9.0	23.0	7.3	22.8	9.2	23.9	8.4
23	19.0	7.6	20.5	11.5	19.4	11.8	21.8	13.2
24	21.8	7.5	22.5	7.8	21.3	8.7	22.7	11.8
25	24.7	7.8	24.5	8.2	23.6	8.7	24.0	9.6
26	31.4	9.8	29.6	12.2	29.6	11.1	27.4	9.9
27	30.2	13.4	30.8	12.5	28.7	14.3	31.3	14.8
28	20.8	12.2	21.8	13.0	22.0	16.3	23.5	18.7
29	23.0	10.4	23.3	8.5	22.7	12.5	22.7	13.7
30	23.9	9.0	24.1	9.0	23.3	12.0	24.0	11.6
31	25.4	9.0	26.2	9.0	25.5	9.8	25.8	11.0
MEANS	24.2	10.8	24.7	11.0	24.5	12.4	25.8	13.2
DEPARTURE FROM NORMAL	****	****	+0.8	+2.1	0.0	+1.5	+1.3	+0.6

STATIONS	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
NAJAF	33.7	7th	1965	2.2	20th	1963
DIWANIYA	36.1	14th	1944	-3.2	1st	1959
NASIRIYA	39.3	16th	1959	0.0	4th	1959
BASRAH	37.6	27th	1962	1.9	9th	1959

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

MONTHLY MEAN DRY-BULB TEMPERATURES (C°)

	TIME - G. M. T.								
STATIONS	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
SINJAR	....	9.4	12.8	16.1	17.0	14.8	12.3	....	13.7
MOSUL	8.9	8.2	11.9	17.7	18.9	16.9	12.9	10.8	13.3
KIRKUK	11.1	10.0	13.9	17.5	18.3	16.6	13.8	12.1	14.2
KHANAQIN	....	10.5	15.0	19.3	20.2	18.2	14.8	....	16.3
RUTBAH	8.8	7.4	11.8	17.4	19.4	17.8	13.5	10.9	13.4
HABBANIYA	12.0	10.9	14.9	20.1	22.0	20.0	16.1	13.9	16.2
BAGHDAD	12.2	11.2	15.4	20.3	22.1	20.6	16.8	14.6	16.7
NUKHAIB	....	....	13.6	19.1	21.5	20.3	16.5	....	18.2
HAI	....	11.8	16.5	22.4	23.2	20.3	16.3	....	18.4
NAJAF	13.4	11.4	15.6	21.4	23.7	21.9	17.9	15.7	17.6
DIWANIYA	12.7	11.4	16.1	22.5	24.0	21.3	17.1	14.6	17.5
NASIRIYA	14.9	13.2	16.9	21.9	23.7	21.7	18.5	16.5	18.4
BASRAH	15.5	14.3	18.9	23.7	24.7	21.6	18.2	16.8	19.2

TABLE 6. MONTHLY MEAN VAPOUR PRESSURE (MILLIBARS) معدل ضغط البخار بالملي بار

SINJAR	...	7.5	8.1	8.3	8.0	8.1	8.0	...	8.0
MOSUL	9.8	9.4	10.3	11.1	9.7	10.2	10.9	10.4	10.2
KIRKUK	9.3	9.1	9.8	9.2	8.9	9.9	10.2	9.7	9.5
KHANAQIN	...	9.3	10.4	9.5	9.5	9.9	10.3	...	9.8
RUTBAH	6.7	6.8	7.2	6.3	6.3	6.6	7.3	7.0	6.8
HABBANIYA	10.6	10.1	11.2	10.7	10.2	10.9	11.4	10.9	10.7
BAGHDAD	10.1	9.6	10.6	10.0	9.2	9.6	10.4	9.9	9.9
NUKHAIB	...	...	7.8	7.2	6.6	7.2	7.7	...	7.3
HAI	....	10.4	12.1	12.4	11.6	11.6	11.1	...	11.5
NAJAF	8.9	9.2	9.6	8.8	8.3	8.5	9.3	9.1	9.0
DIWANIYA	9.7	9.8	10.5	9.6	8.9	8.9	9.6	9.9	9.6
NASIRIYA	10.4	10.2	10.7	9.9	9.2	10.2	10.9	10.7	10.3
BASRAH	13.5	12.9	14.4	14.2	13.9	13.4	13.8	14.0	13.8

TABLE 7. MONTHLY MEAN WET-BULB TEMPERATURES (C°) حرارة البصلة الرطبة سنتغراد

SINJAR	...	6.6	8.6	10.3	10.6	9.6	8.3	...	9.0
MOSUL	7.8	7.1	9.7	12.9	12.7	12.0	10.5	9.1	10.2
KIRKUK	8.6	7.9	10.3	11.6	11.8	11.6	10.4	9.3	10.2
KHANAQIN	....	8.2	11.2	12.8	13.1	12.4	11.0	....	11.5
RUTBAH	5.8	4.9	7.6	9.9	10.9	10.2	8.7	7.0	8.1
HABBANIYA	9.8	9.0	11.6	13.7	14.2	13.8	12.4	11.0	11.9
BAGHDAD	9.6	8.9	11.5	13.4	13.8	13.4	12.0	10.7	11.7
NUKHAIB	...	...	8.6	11.3	12.3	11.8	10.3	....	10.9
HAI	....	9.5	12.7	15.2	15.2	13.8	11.9	....	13.5
NAJAF	9.0	8.6	11.0	13.4	13.9	13.3	11.9	10.8	11.5
DIWANIYA	9.9	8.9	11.7	14.2	14.3	10.2	11.7	10.7	11.4
NASIRIYA	11.1	10.2	12.3	14.1	14.4	14.1	13.1	12.1	12.7
BASRAH	13.2	12.3	15.2	17.0	17.2	15.7	14.5	14.1	14.9

TABLE 8. MONTHLY MEAN DEW-POINT (C°) معدل درجة الندى (سنتغراد)

SINJAR	....	2.9	3.5	4.1	3.3	3.6	3.2	...	3.4
MOSUL	6.6	5.9	7.3	8.4	6.3	7.0	8.1	7.4	7.1
KIRKUK	5.6	5.3	6.4	5.4	4.8	6.4	6.9	6.3	5.9
KHANAQIN	...	5.7	7.3	5.8	5.9	6.6	7.1	...	6.4
RUTBAH	1.4	1.2	2.2	-0.2	-0.4	0.2	2.0	1.8	1.0
HABBANIYA	7.6	6.9	8.3	7.6	6.8	7.9	8.7	8.1	7.7
BAGHDAD	6.8	6.2	7.5	6.7	5.3	6.0	7.2	6.7	6.6
NUKHAIB	...	...	3.0	1.7	1.4	1.5	2.8	...	2.1
HAI	...	7.4	9.8	9.9	9.0	8.8	8.4	...	8.9
NAJAF	5.4	5.5	5.9	5.1	3.7	4.2	5.4	5.3	5.1
DIWANIYA	6.7	6.2	7.3	7.0	4.4	4.9	6.0	6.4	6.1
NASIRIYA	7.3	7.0	7.7	6.3	5.1	6.7	7.9	7.7	7.0
BASRAH	11.1	10.5	12.1	11.6	11.4	10.8	11.4	11.8	11.3

TABLE 9.

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (%)

STATIONS	TIME - G. M. T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
SINJAR	..	65	55	47	40	50	55	..	52
MOSUL	86	86	74	55	46	54	73	80	69
KIRKUK	72	76	64	49	45	55	66	71	62
KHANAQIN	..	74	62	44	42	49	61	..	55
RUTBAH	61	66	53	33	29	34	48	55	47
HABBANIYA	77	81	70	47	40	48	63	69	62
BAGHDAD	71	72	61	43	36	41	55	60	55
NUKHAIB	..	..	52	33	28	31	42	..	37
HAI	..	75	65	46	41	49	61	..	56
NAJAF	60	68	54	36	30	33	45	52	47
DIWANIYA	68	72	58	33	30	34	50	59	51
NASIRIYA	61	67	56	39	32	40	51	57	50
BASRAH	76	79	66	49	45	53	66	74	64

TABLE 10. MONTHLY MEAN PRESSURE(MBS) AT M.S.L. معدل الهواء على سطح البحر

SINJAR	....	16.5	16.6	16.2	15.2	15.3	16.4	....	1016.0
MOSUL	16.0	16.3	17.1	16.5	14.9	15.0	16.2	16.5	1016.1
KIRKUK	15.4	15.7	16.3	15.9	14.6	15.0	15.8	16.0	1015.6
KHANAQIN	....	16.5	16.5	15.1	14.0	14.4	15.8	....	1015.4
RUTBAH	15.2	15.5	16.6	15.5	14.4	14.6	15.3	15.4	1015.3
HABBANIYA	13.9	15.0	16.1	15.7	14.0	14.1	15.0	15.2	1014.9
BAGHDAD	14.6	15.1	16.2	16.0	14.3	14.2	15.3	15.2	1015.1
NUKHAIB	....	....	16.5	15.7	13.9	14.0	15.1	....	1015.0
HAI	....	14.1	15.4	14.8	13.3	13.4	14.5	....	1014.3
NAJAF	14.2	14.6	16.0	15.4	13.6	13.5	14.7	14.7	1014.6
DIWANIYA	14.5	15.0	16.1	15.7	13.8	13.3	15.4	15.2	1014.9
NASIRIYA	14.0	14.4	15.6	15.4	13.5	13.6	14.7	14.7	1014.5
BASRAH	14.4	15.0	16.2	15.7	14.1	14.2	15.3	15.3	1015.0

TABLE 11. MONTHLY MEAN TOTAL CLOUD AMOUNTS(OKTAS) معدل مجموع كمية الغيوم

SINJAR	...	2.3	3.0	3.8	4.5	3.6	1.9	...	3.2
MOSUL	2.9	3.3	4.2	5.0	5.7	4.9	3.4	3.0	4.1
KIRKUK	2.8	3.2	3.4	4.0	4.9	4.1	3.0	2.3	3.5
KHANAQIN	....	3.8	3.7	4.5	5.7	5.0	3.9	...	4.4
RUTBAH	1.7	3.0	3.4	4.0	4.1	3.3	2.5	2.1	3.0
HABBANIYA	2.5	3.0	3.1	3.7	4.4	4.1	3.4	2.9	3.4
BAGHDAD	2.7	3.0	3.1	3.8	4.6	4.1	3.3	3.0	3.5
NUKHAIB	...	...	2.5	3.5	4.5	4.3	2.5	...	3.5
HAI	...	3.0	3.0	3.6	4.2	4.2	2.8	...	3.5
NAJAF	2.6	3.0	3.0	3.9	4.6	4.1	2.7	2.6	3.3
DIWANIYA	1.9	2.9	3.1	2.8	4.3	3.7	2.3	2.2	2.9
NASIRIYA	2.3	2.9	2.9	3.5	3.7	3.7	2.4	2.2	3.0
BASRAH	2.8	2.7	2.6	2.5	3.4	3.5	2.6	2.6	2.8

TABLE 12. MONTHLY MEAN LOW CLOUD AMOUNTS(OKTAS) معدل كمية الغيوم الواطئة

SINJAR	...	1.1	1.6	2.6	3.0	2.2	1.2	...	1.9
MOSUL	1.8	2.0	2.5	2.8	3.8	3.0	2.2	1.9	2.5
KIRKUK	1.9	2.2	1.8	2.8	3.0	2.6	1.6	1.4	2.2
KHANAQIN	...	2.9	3.4	3.0	4.5	3.5	2.4	...	3.4
RUTBAH	0.5	0.8	1.0	1.4	2.0	1.6	0.9	0.5	1.1
HABBANIYA	0.5	0.6	0.5	0.9	1.6	1.0	1.2	0.5	0.8
BAGHDAD	0.4	0.8	0.7	1.1	1.3	1.0	0.7	0.6	0.8
NUKHAIB	...	...	1.0	1.4	2.3	2.3	1.1	...	1.6
HAI	...	0.6	0.6	0.8	1.0	0.9	0.6	...	0.8
NAJAF	0.8	1.0	1.2	1.4	1.6	1.4	1.0	1.0	1.2
DIWANIYA	0.5	1.4	1.3	0.9	1.7	1.4	1.1	0.9	1.2
NASIRIYA	1.6	1.9	1.5	2.0	2.1	2.2	1.3	1.5	1.8
BASRAH	1.0	0.9	0.6	0.5	1.0	1.1	0.4	0.7	0.8

RCH 1966

BLE 13 -a

SURFACE = WIND NUMBER OF OBSERVATIONS OF

STATIONS	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.
NJAR	0300	17	0	3	0	1	0	8	2	0	26	5	0	0	6
	0600	9	2	7	1	1	0	10	1	0	27	4	0	0	6
	0900	4	2	7	4	7	1	4	2	0	25	6	0	0	7
	1200	6	0	3	5	6	0	9	2	0	18	13	0	0	9
	1500	9	1	4	1	6	0	7	3	0	20	11	0	0	8
	1800	15	2	4	1	1	0	7	1	0	28	3	0	0	6
	TOTAL	58	7	24	12	22	1	45	11	0	144	42	0	0	7
OSUL	0000	1	0	0	1	3	1	8	3	14	16	1	0	0	2
	0300	3	0	3	2	1	1	10	2	9	22	0	0	0	5
	0600	2	1	5	0	4	1	8	4	6	24	1	0	0	4
	0900	2	2	5	4	7	3	4	1	3	27	1	0	0	4
	1200	2	1	5	4	5	1	12	0	1	25	5	0	0	7
	1500	2	1	7	6	1	0	7	3	4	26	0	1	0	5
	1800	1	0	0	6	2	0	5	2	15	15	1	0	0	3
	2100	1	0	0	1	2	1	9	4	13	17	0	1	0	3
	TOTAL	14	5	25	24	25	8	63	19	65	172	9	2	0	4
IRKUK	0000	0	7	2	2	1	0	0	0	19	11	1	0	0	2
	0300	0	12	1	2	0	0	0	0	16	14	1	0	0	2
	0600	1	1	3	4	1	0	2	0	19	11	1	0	0	3
	0900	2	0	0	7	3	1	7	0	11	17	2	1	0	5
	1200	1	0	4	3	4	3	6	2	8	22	1	0	0	4
	1500	1	2	0	2	0	0	6	1	19	10	2	0	0	3
	1800	1	3	2	1	0	0	1	1	22	7	2	0	0	2
	2100	1	6	1	3	0	0	0	0	20	9	0	2	0	3
	TOTAL	7	31	13	24	9	4	22	4	134	101	10	3	0	3
HANAQIN	0300	0	0	10	4	8	0	0	0	9	16	4	1	1	7
	0600	2	1	9	3	7	0	1	1	7	20	3	1	0	6
	0900	2	2	1	2	9	2	4	5	4	17	9	1	0	9
	1200	6	0	2	2	9	1	6	3	2	18	8	3	0	10
	1500	4	2	3	1	7	1	5	4	4	23	3	1	0	8
	1800	2	1	7	2	5	0	2	3	9	21	1	0	0	5
	TOTAL	16	6	32	14	46	4	18	16	35	115	28	7	1	8
UTBAH	0000	1	0	0	1	3	5	8	3	10	13	5	3	0	8
	0300	0	0	0	1	5	2	9	2	12	13	6	0	0	6
	0600	3	0	1	0	7	1	11	2	6	13	12	0	0	8
	0900	2	0	1	0	12	0	11	5	0	22	8	1	0	9
	1200	3	0	1	0	8	1	13	3	2	20	6	3	0	9
	1500	5	0	3	0	8	0	11	2	2	22	6	1	0	7
	1800	2	0	3	6	0	1	9	4	6	16	8	1	0	8
	2100	0	0	3	4	2	4	6	5	7	16	6	2	0	8
	TOTAL	16	0	12	12	45	14	82	26	45	135	57	11	0	8

BLE 13 b.

عدد تكرار رصدات الرياح السطحية

SURFACE - WIND NUMBER OF OBSERVATIONS OF:

المحطة	وقت گرينتش	DIRECTION الاتجاه								ساكن	SPEED IN KNOTS السرعة بالعقد				المعدل
ATIONS	TIME GMT.	N	NE	E	SE	S	SW	W	NW	CA-LM	1-10	11-21	22-33	34	MEAN V.K.
	0000	1	1	3	1	1	2	5	5	12	12	7	0	0	6
	0300	0	3	3	1	0	1	8	5	10	16	4	1	0	6
	0600	1	2	5	1	1	0	15	3	3	15	12	1	0	9
	0900	0	3	2	3	1	0	13	7	2	17	11	1	0	10
ABBANIYA	1200	3	2	4	1	1	1	9	10	0	18	12	1	0	10
	1500	4	1	3	1	0	0	7	11	4	22	5	0	0	7
	1800	2	1	4	1	0	1	4	5	13	15	1	2	0	5
	2100	3	1	3	3	0	2	3	6	10	18	3	0	0	5
	TOTAL	14	14	27	12	4	7	64	52	54	133	55	6	0	7
	0000	2	1	3	7	0	2	2	6	8	19	2	2	0	6
	0300	1	1	1	3	0	3	1	9	12	13	6	0	0	6
	0600	1	0	2	5	1	0	4	10	8	12	10	1	0	8
	0900	0	0	2	6	2	1	1	18	1	15	14	1	0	12
AGHDAD	1200	2	0	0	7	1	0	4	16	1	15	13	2	0	11
	1500	6	0	1	4	2	1	2	11	4	19	8	0	0	8
	1800	3	2	3	7	0	0	3	5	8	17	4	2	0	7
	2100	1	4	0	5	0	1	3	7	9	17	4	1	0	6
	TOTAL	16	8	12	44	6	8	20	83	54	127	61	9	0	8
	0600	5	1	0	3	3	0	13	1	5	16	8	2	0	8
	0900	8	1	2	2	6	0	9	1	2	18	10	0	1	9
UKHAIB	1200	9	2	1	2	5	2	7	2	1	21	6	2	1	10
	1500	14	0	1	2	3	0	7	2	2	20	5	4	0	10
	1800	10	1	4	5	2	0	2	0	7	20	3	1	0	5
	TOTAL	46	5	8	14	19	2	38	6	17	95	32	9	2	9
	0300	2	1	6	1	2	0	4	8	7	19	3	2	0	6
	0600	2	0	5	2	3	0	5	9	5	22	3	1	0	7
	0900	3	1	5	3	4	3	5	8	1	19	11	0	0	9
AI	1200	4	0	3	3	4	1	5	8	3	14	13	1	0	10
	1500	3	0	5	1	3	0	3	11	5	21	4	1	0	7
	1800	2	0	3	4	1	0	3	8	10	12	8	1	0	7
	TOTAL	16	2	25	14	17	4	25	52	31	107	42	6	0	8
	0000	6	1	1	0	6	0	4	11	2	22	7	0	0	8
	0300	6	0	2	0	6	1	2	12	2	23	5	1	0	8
	0600	6	0	0	2	5	1	6	11	0	24	7	0	0	9
	0900	13	0	0	3	6	0	1	8	0	19	11	1	0	10
AJAF	1200	13	1	0	2	6	0	0	9	0	14	17	0	0	12
	1500	13	2	1	0	6	1	0	8	0	20	10	1	0	11
	1800	10	2	1	4	3	0	1	7	3	20	7	1	0	9
	2100	7	2	1	0	7	0	1	10	3	19	9	0	0	8
	TOTAL	74	8	6	11	45	3	15	76	10	161	73	4	0	9

ABLE 13 C . عدد تكرار رصدات الرياح السطحية

SURFACE - WIND NUMBER OF OBSERVATIONS OF:

TATIONS	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	6	2	5	3	1	0	6	2	6	23	2	0	0	5
	0300	5	1	6	3	1	0	9	1	5	21	5	0	0	5
	0600	5	1	4	3	1	1	10	3	3	23	5	0	0	7
	0900	9	0	1	4	3	0	8	5	1	12	17	1	0	10
IWANIYA	1200	11	0	3	3	2	0	8	3	1	12	18	0	0	11
	1500	13	0	5	3	1	1	5	2	1	25	4	1	0	7
	1800	13	1	2	2	0	2	5	2	4	21	3	3	0	7
	2100	11	2	5	4	1	0	5	2	1	25	5	0	0	8
	TOTAL	73	7	31	25	10	4	56	20	22	162	59	5	0	7
	0000	5	1	1	8	2	0	4	8	2	22	7	0	0	7
	0300	1	0	2	8	1	3	8	5	3	24	4	0	0	6
	0600	0	0	3	5	4	1	6	10	2	21	7	1	0	8
	0900	1	0	0	6	2	1	7	12	2	20	9	0	0	9
ASIRIYA	1200	1	1	2	4	1	0	5	16	1	20	9	1	0	9
	1500	6	1	4	4	0	0	3	11	2	24	5	0	0	8
	1800	4	3	4	6	0	0	2	8	4	23	4	0	0	7
	2100	4	2	1	8	0	1	2	8	5	21	5	0	0	7
	MEANS	22	8	17	49	10	6	37	78	21	175	50	2	0	8
	0000	3	2	3	2	6	1	9	5	0	24	7	0	0	7
	0300	3	0	4	4	1	1	12	6	0	26	5	0	0	7
	0600	3	0	2	3	6	1	5	11	0	21	9	1	0	9
	0900	7	0	0	2	6	2	3	10	1	17	12	1	0	10
ASRAH	1200	4	1	1	5	4	0	1	15	0	13	17	1	0	11
	1500	6	2	2	6	2	1	0	12	0	25	5	1	0	8
	1800	8	1	3	5	3	1	2	8	0	26	5	0	0	7
	2100	4	0	3	4	6	2	2	9	1	23	7	0	0	7
	TOTAL	38	6	18	31	34	9	34	76	2	175	67	4	0	8

ABLE 14. اعلى سرعة ريح خلال ساعة

HIGHEST WIND-SPEED DURING ONE HOUR.

STATION	HIGHEST WIND-SPEED DURING ONE HOUR (V.K.)	DIRECTION	TIME GMT.	DAY
INJAR	21 Knots	180	1500	11th
OSUL	25	180	2100	11th
IRKUK	25	120	2100	27th
HANAQIN	39	180	0300	11th
UTBAH	30	280	2100	20th
ABBANIYA	32	140	0300	11th
AGHDAD	27	150	0000	12th
UKHAIB	36	300	1200	1st
AI	26	100	0600	12th
AJAF	30	360	0900	19th
IWANIYA	26	130	1800	11th
ASIRIYA	26	310	1200	9th
ASRAH	26	170	0900	12th

DAILY GRASS MINIMUM TEMPERATURES C°, AND SOIL TEMPERATURES C° OF 0.3 & 1.2 METERS

درجات حرارة العشب والتربة (صفراء)

	MOSUL	KIRKUK			HABBANIYA			BAGHDAD			NAJAF		NASIRIYA			BASRAH
DAYS	0.3M	GRASS	0.3M	1.2M	GRASS	0.3M	1.2M	GRASS	0.3M	1.2M	0.3M	1.2M	GRASS	0.3M	1.2M	GRASS
1	10.8	9.2	14.1	16.1	8.4	18.8	20.0	5.1	16.1	19.0	18.0	19.6	10.4	18.3	20.0	9.5
2	10.5	1.4	13.7	16.2	5.0	18.0	20.0	3.8	15.5	19.5	16.0	20.0	6.8	17.2	20.1	5.3
3	10.4	4.6	13.8	16.1	4.5	18.4	19.9	3.5	15.8	19.5	16.7	19.8	7.6	17.6	20.2	2.9
4	10.5	3.4	13.9	16.1	4.7	18.4	19.9	0.9	16.0	19.4	17.0	19.9	8.4	17.9	20.0	1.8
5	11.8	7.9	14.4	16.1	7.2	19.4	20.5	4.3	16.8	19.5	17.7	19.8	9.8	18.6	20.1	1.8
6	12.2	8.0	14.5	16.2	7.5	19.5	20.0	2.8	17.2	19.6	17.7	19.9	12.5	19.2	20.2	7.9
7	12.3	6.6	15.0	16.1	6.1	20.0	20.0	1.8	17.4	19.6	17.6	19.8	10.4	19.4	20.1	8.8
8	12.4	6.0	15.0	16.2	7.8	20.6	20.0	3.9	17.8	19.6	19.2	20.4	9.3	19.6	20.2	3.8
9	12.8	10.1	15.5	16.4	9.5	20.6	20.0	12.6	18.8	19.8	20.5	20.4	14.4	20.3	20.4	xxx
10	13.2	10.3	15.3	16.3	11.7	21.1	20.0	13.0	19.5	19.8	21.3	20.6	14.5	20.7	20.3	14.8
11	15.5	16.5	16.1	16.6	16.1	21.7	20.5	12.3	19.7	20.2	21.4	21.0	16.7	21.4	20.4	15.6
12	13.9	11.6	15.1	16.6	13.1	20.5	20.5	12.4	18.6	20.0	19.0	21.2	15.5	19.9	20.4	16.0
13	12.9	11.3	15.8	16.6	9.5	20.6	20.6	11.9	18.9	20.0	19.2	20.2	14.6	19.3	20.5	15.1
14	12.9	4.0	16.1	16.7	7.8	20.9	20.6	6.2	18.3	20.0	18.4	22.0	9.3	19.3	20.6	7.4
15	13.3	6.9	16.0	16.8	8.4	21.1	20.7	7.2	18.4	20.2	18.4	20.9	9.3	19.1	20.6	10.4
16	12.8	7.0	15.6	16.8	8.4	21.7	20.6	5.4	18.6	20.1	18.9	21.0	10.6	19.2	20.7	8.4
17	12.6	6.8	16.1	17.0	8.4	22.1	21.0	2.4	18.8	20.2	18.2	20.8	9.5	19.7	20.6	4.9
18	13.0	9.0	16.1	17.0	12.2	22.5	20.9	7.8	20.0	20.4	20.7	21.2	14.3	20.6	20.7	9.5
19	12.7	5.0	16.0	17.0	9.6	22.0	21.1	11.4	19.8	20.3	21.0	21.4	17.3	21.3	20.8	14.5
20	10.5	6.0	14.5	17.1	8.4	20.6	21.1	5.8	17.5	20.4	19.9	21.6	13.4	21.0	20.9	12.6
21	10.5	5.9	13.9	17.1	6.1	20.6	21.1	4.4	17.2	21.0	18.4	21.4	9.5	20.0	20.9	9.8
22	10.5	3.3	13.9	16.9	7.2	20.5	21.0	4.0	17.5	20.5	18.4	21.4	8.3	19.6	20.9	0.2
23	9.4	1.1	13.3	16.9	6.7	20.4	21.1	4.4	17.5	20.6	19.0	21.2	11.0	19.5	21.0	7.8
24	9.6	2.0	13.9	16.8	5.0	20.5	21.1	0.5	18.2	20.5	17.8	21.2	7.7	19.0	21.0	5.0
25	9.8	2.6	14.1	16.6	5.6	20.6	21.1	-1.6	17.4	20.5	18.0	21.2	7.7	19.0	21.0	1.2
26	13.2	10.5	15.0	16.6	12.3	21.1	21.1	8.5	18.8	20.6	19.5	21.0	9.2	19.6	21.0	2.2
27	13.2	8.6	15.1	16.6	11.7	21.7	21.1	11.2	19.4	20.5	20.4	21.2	13.8	20.7	21.0	10.2
28	11.6	8.4	14.9	16.6	10.6	20.9	21.1	10.1	18.6	20.5	20.9	21.4	15.7	21.8	21.0	17.4
29	11.1	3.0	15.0	16.6	7.5	21.0	21.2	1.3	17.0	20.2	19.0	21.5	11.0	21.1	21.1	12.2
30	11.6	4.6	14.9	16.6	6.0	21.1	21.1	0.9	17.3	20.5	19.5	21.6	11.2	21.0	21.1	3.8
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.0	20.4	21.6	19.8	9.0	21.0	21.1	2.8

TABLE 17 a. (ملليمترات) التبخر اليومي

DAILY EVAPORATION IN (MILLIMETERS) IN PAN CLASS A.

الايام	موصل	كركوك	رطبة	بغداد	نخيب	نجف	ديوانية
DAYS	MOSUL	KIRKUK	RUTBAH	BAGHDAD	NUKHAIB	NAJAF	DIWANIYA
1	0.0	-15.0	14.0	1.0	4.0	6.0	2.0
2	3.0	-7.0	15.0	3.0	4.0	7.0	4.0
3	1.0	3.0	15.0	4.0	5.0	6.0	3.0
4	2.0	2.0	15.0	5.0	6.0	4.0	3.0
5	3.0	3.0	12.0	2.0	5.0	6.0	3.0
6	3.0	4.0	12.0	6.0	5.0	5.0	5.0
7	3.0	4.0	16.0	6.0	10.0	5.0	4.0
8	2.0	3.0	16.0	4.0	6.0	9.0	3.0
9	3.0	4.0	14.0	8.0	7.0	7.0	5.0
10	2.0	4.0	15.0	4.0	6.0	5.0	5.0
11	-8.0	4.0	12.0	6.0	8.0	2.0	6.0
12	4.0	-16.0	10.0	2.0	5.0	1.0	-2.0
13	3.0	2.0	9.0	4.0	8.0	7.0	0.0
14	2.0	3.0	14.0	6.0	6.0	6.0	3.0
15	3.0	3.0	14.0	4.0	7.0	6.0	3.0
16	2.0	4.0	15.0	4.0	8.0	6.0	4.0
17	4.0	3.0	15.0	6.0	6.0	2.0	4.0
18	2.0	3.0	13.0	5.0	6.0	6.0	4.0
19	-2.0	2.0	10.0	5.0	0.0	5.0	4.0
20	-15.0	-17.0	10.0	-3.0	8.0	5.0	5.0
21	4.0	-13.0	10.0	6.0	8.0	6.0	2.0
22	-1.0	2.0	9.0	4.0	6.0	6.0	3.0
23	3.0	-2.0	10.0	5.0	8.0	9.0	4.0
24	4.0	3.0	12.0	7.0	7.0	5.0	4.0
25	-3.0	3.0	15.0	3.0	7.0	8.0	5.0
26	3.0	4.0	15.0	5.0	6.0	12.0	3.0
27	-9.0	3.0	11.0	7.0	5.0	4.0	5.0
28	1.0	-9.0	13.0	-4.0	0.0	5.0	0.0
29	3.0	3.0	10.0	7.0	5.0	7.0	3.0
30	3.0	3.0	8.0	1.0	6.0	5.0	4.0
31	3.0	3.0	12.0	6.0	7.0	5.0	4.0
MEANS	0.9	-0.9	12.6	4.0	6.0	5.7	3.5

TABLE 17.

التبخر اليومي (ملليمترات)

DAILY EVAPORATION IN(MILLIMETERS) IN PAN CLASS A.

الايام	ناصرية	بصرة	ديانا	دوكان	دربند خان
DAYS	NASIRIYA	BASRAH	DIANA	DOKAN	DERBENDIKHAN
1	0.0	1.0	-22.0	-52.0	-35.0
2	4.0	2.0	2.0	-5.0	-6.0
3	5.0	3.0	3.0	2.0	6.0
4	3.0	3.0	2.0	2.0	5.0
5	3.0	4.0	4.0	2.0	4.0
6	6.0	4.0	3.0	3.0	5.0
7	3.0	3.0	3.0	3.0	5.0
8	4.0	2.0	4.0	3.0	5.0
9	5.0	4.0	5.0	3.0	6.0
10	4.0	9.0	5.0	2.0	5.0
11	8.0	5.0	3.0	3.0	5.0
12	-2.0	6.0	-62.0	-36.0	-24.0
13	-6.0	2.0	-4.0	-16.0	-21.0
14	3.0	3.0	-13.0	2.0	0.0
15	4.0	7.0	2.0	3.0	3.0
16	5.0	2.0	3.0	3.0	5.0
17	4.0	8.0	3.0	3.0	6.0
18	4.0	3.0	-4.0	2.0	4.0
19	4.0	7.0	2.0	2.0	2.0
20	7.0	8.0	-17.0	-9.0	-25.0
21	4.0	4.0	-10.0	-14.0	-9.0
22	4.0	7.0	-7.0	-7.0	-5.0
23	3.0	4.0	1.0	1.0	1.0
24	4.0	2.0	2.0	3.0	4.0
25	5.0	5.0	2.0	2.0	5.0
26	4.0	7.0	-8.0	1.0	5.0
27	6.0	8.0	1.0	1.0	5.0
28	7.0	3.0	-34.0	-45.0	-11.0
29	3.0	2.0	2.0	3.0	3.0
30	4.0	8.0	3.0	3.0	3.0
31	4.0	4.0	3.0	2.0	3.0
MEANS	3.7	4.5	-4.0	-4.2	-1.3

CLIMATOLOGICAL SUMMARY — الملخصات المناخية

NUMBER OF DAYS FOR THE CASES OF PHENOMENA — عدد الايام التي حدثت فيها الظواهر الجوية

STATIONS	RAIN	SNOW	HAIL	THUNDER STORM	FOG	MIST	HAZE	RISING DUST	SUSPENDED DUST	DUST STORM	GROUND FROST	STATE OF SKY CLEAR	STATE OF SKY CLOUDY
SINJAR	8	0	0	0	0	0	0	0	0	0	0	5	1
MOSUL	8	0	0	3	0	1	9	1	0	0	0	5	5
KIRKUK	7	0	0	4	0	5	3	2	1	0	0	9	6
KHANAQIN	10	0	0	3	0	0	0	1	0	0	0	8	13
RUTBAH	5	0	0	1	0	0	0	2	0	1	0	10	0
HABBANIYA	3	0	0	2	0	5	3	7	3	2	0	7	3
BAGHDAD	4	0	0	0	0	4	13	6	4	1	1	8	2
KUT AL AMARA	2	0	0	2	0	0	8	7	0	4	0	6	3
HAI	4	0	0	0	0	0	0	7	2	0	0	9	4
NAJAF	2	0	0	0	0	0	0	8	2	1	0	7	2
DIWANIYA	4	0	0	1	0	0	0	7	6	3	0	11	3
NASIRIYA	4	0	1	2	0	0	1	15	23	1	0	9	2
BASRAH	4	0	0	3	1	3	0	4	5	2	0	10	4

TABLE - 19.

DURATION OF SUNSHINE : مدة سطوع الشمس بالساعات

STATIONS	MONTHLY TOTAL SUNSHINE HOURS	MAX. SUNSHINE DURING ONE DAY HOURS	MAX. SUNSHINE DURING ONE DAY DAY	No. OF DAYS WITHOUT SUNSHINE
MOSUL	255.3	11.9	23&29th	1
HABBANIYA	259.2	11.6	30&31st	0
BAGHDAD	245.6	11.3	30th	0
BASRAH	254.0	11.3	15th	2

RCH 1966 TABLE 20a

DIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT) AT BASRAH AIR PORT

	1000 MILLIBARS					850 MILLIBARS				
YS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
	103	18.0	11.2	-	-	1464	5.8	-2.3	-	-
2	167	17.8	9.5	28	16	1529	9.2	-1.8	32	17
3	197	18.4	4.4	02	07	1571	13.4	-1.0	02	13
4	153	23.7	7.1	34	03	1541	12.2	0.6	10	04
5	136	23.7	1.3	14	03	1516	9.7	-9.6	19	12
6	129	25.6	8.6	17	06	1519	11.8	-2.0	26	05
7	137	23.6	9.3	31	10	1522	14.2	-7.2	32	16
8	123	24.3	4.4	32	14	1520	15.0	-6.0	30	12
9	120	27.6	5.5	-	-	1525	17.3	-4.0	-	-
0	109	30.2	7.3	13	23	1524	17.0	1.9	20	20
1	111	25.0	9.2	14	17	1516	17.0	-4.3	16	21
2	095	26.8	9.9	15	21	1513	19.7	3.0	23	26
3	101	23.4	11.7	16	20	1504	16.0	5.2	23	30
4	162	21.0	4.8	32	17	1533	9.8	-9.5	30	10
5	158	21.9	7.3	31	16	1538	11.2	-9.7	31	22
6	126	23.4	7.8	30	13	1467	14.5	-5.4	33	11
7	080	25.2	4.3	18	03	1475	14.8	-6.6	26	06
8	051	29.5	2.7	11	09	1458	15.8	-2.0	20	10
9	003	28.0	4.3	-	-	1406	15.0	-3.4	-	-
0	093	18.5	3.5	31	12	1441	3.4	-7.1	-	-
1	126	17.7	6.6	30	15	1478	4.1	-9.0	32	05
2	127	20.6	-0.8	24	04	1492	6.8	-7.8	17	07
3	128	20.9	4.8	30	22	1480	4.1	-25.7	29	16
4	155	20.0	1.4	31	21	1515	6.2	-11.0	35	15
5	159	19.9	2.7	30	08	1527	9.1	-11.2	32	10
6	128	24.5	-1.5	04	04	1514	11.1	-6.8	22	03
7	102	28.0	2.9	15	12	1504	15.8	0.7	18	06
8	111	21.7	11.9	30	13	1485	10.9	-1.5	28	09
9	127	20.0	2.9	31	15	1495	8.1	-4.2	33	19
0	140	21.0	2.0	31	20	1503	6.4	-6.5	32	23
	149	22.4	4.5	30	12	1531	12.6	-9.2	36	13
DAY	31	31	31	28	28	31	31	31	27	27
EANS	123	23.0	5.5	29	04	1503	11.5	-5.3	28	07
AX.	197	30.2	11.9	13	23	1571	19.7	5.2	23	30
IN.	003	17.7	-1.5	18	03	1406	3.4	-25.7	22	03

MARCH 1966 TABLE 20b (26)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BASRAH AIR PORT

	700 MILLIBARS					500 MILLIBARS				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	3016	-6.8	-7.2	-	-	5563	-21.5	-26.2	-	-
2	3107	2.2	-15.0	34	30	5733	-14.8	-31.0	33	52
3	3177	3.4	-14.8	35	17	5820	-14.8	-30.1	32	24
4	3151	5.7	-14.3	27	06	5815	-12.2	-20.5	27	21
5	3102	3.2	-19.6	24	18	5747	-14.5	-32.1	25	32
6	3116	0.9	-14.7	27	15	5758	-15.1	-36.1	29	20
7	3124	3.6	-17.9	31	17	5758	-14.2	-32.5	28	26
8	3124	2.2	-12.8	30	25	5735	-17.2	-31.3	32	19
9	3143	4.0	-13.2	-	-	5774	-16.0	-26.6	-	-
10	-	-	-	-	-	-	-	-	-	-
11	3136	5.8	-6.9	23	11	5799	-12.9	-17.2	-	-
12	3143	6.8	-2.2	-	-	5812	-11.1	-	-	-
13	3119	3.6	0.8	-	-	-	-	-	-	-
14	3115	0.2	-22.6	27	16	5738	-15.2	-36.3	25	50
15	3127	1.7	-20.9	30	20	5735	-18.1	-38.4	29	30
16	3077	4.9	-14.0	32	18	5718	-14.3	-30.5	30	31
17	3083	3.6	-20.7	28	22	5717	-14.9	-30.4	28	27
18	3072	4.4	-11.3	20	23	5697	-17.0	-26.5	26	41
19	3013	4.4	-16.6	-	-	5660	-12.2	-31.8	-	-
20	2983	-7.0	-19.2	-	-	5530	-20.5	-35.8	-	-
21	3029	-4.3	-22.7	28	22	5591	-23.0	-44.7	27	40
22	3044	-7.5	-12.2	27	16	5583	-24.0	-31.0	26	54
23	3024	-7.2	-32.6	27	12	5550	-27.0	-54.0	28	30
24	3025	-4.1	-24.2	33	13	5640	-21.4	-39.5	31	22
25	3107	0.8	-19.6	33	16	5735	-14.8	-32.8	33	43
26	3105	1.3	-6.8	30	36	5724	-15.2	-24.8	28	48
27	3116	2.8	-5.1	28	19	5731	-15.5	-22.0	30	13
28	3080	-0.6	-2.4	25	20	5687	-16.8	-17.0	-	-
29	3065	-2.2	-18.6	29	27	5672	-16.4	-36.3	26	42
30	3067	-2.0	-17.3	29	29	5667	-17.2	-33.0	27	38
31	3127	1.5	-18.4	29	14	5752	-15.8	-30.8	27	16
n DAY	30	30	30	24	24	29	29	28	22	22
MEANS	3091	0.8	-14.8	29	16	5704	-16.7	-31.4	28	29
MAX.	3177	6.8	0.8	30	36	5820	-11.1	-17.0	25	54
MIN.	2983	-7.5	-32.6	27	06	5530	-27.0	-54.0	30	13

ADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200GMT) AT BASRAH AIR PORT

	400 MILLIBARS					300 MILLIBARS				
AYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	7195	-25.0	-35.6	-	-	9245	-35.1	-50.8	-	-
2	7385	-26.0	-41.6	32	62	9415	-37.1	-46.8	31	82
3	7475	-25.2	-38.9	30	50	9523	-34.8	-47.4	29	63
4	7428	-25.3	-39.4	27	40	9528	-35.0	-44.7	28	59
5	7402	-25.6	-42.2	26	35	9442	-38.7	-55.2	25	52
6	7404	-26.6	-46.2	27	33	9416	-42.0	-	26	50
7	7410	-26.2	-43.2	28	34	9429	-41.0	-	28	50
8	7373	-28.2	-42.2	30	27	9373	-42.8	-	26	47
9	7414	-28.0	-35.1	-	-	9414	-44.1	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	7478	-19.6	-24.9	-	-	9558	-34.7	-40.2	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	7374	-28.1	-46.9	27	46	9377	-42.0	-	28	77
16	7370	-26.0	-40.8	29	50	9398	-38.2	-	28	62
17	7357	-25.9	-42.4	27	44	9377	-39.3	-	28	110
18	7345	-25.6	-41.2	28	87	9418	-29.3	-46.3	-	-
19	7332	-23.9	-41.8	-	-	9369	-36.3	-52.6	-	-
20	7151	-31.3	-45.7	-	-	9161	-40.7	-	-	-
21	7195	-32.0	-49.7	-	-	9185	-43.0	-	-	-
22	7175	-32.1	-45.8	26	72	9170	-41.3	-	-	-
23	7141	-30.2	-57.8	31	60	9119	-44.8	-	29	65
24	7250	-32.0	-48.2	31	54	9243	-42.1	-	31	103
25	7378	-27.5	-43.7	31	54	9388	-42.0	-	31	86
26	7390	-21.5	-33.8	29	54	9420	-41.2	-	29	59
27	7378	-28.0	-37.1	29	40	9388	-42.0	-	29	70
28	7325	-28.8	-	-	-	9319	-43.4	-	-	-
29	7312	-27.0	-45.4	26	57	9323	-40.6	-	26	78
30	7300	-29.5	-43.8	26	40	9297	-42.5	-	27	70
31	7396	-27.3	-41.7	25	25	9406	-41.0	-53.9	25	50
n DAY	27	27	26	20	20	27	27	9	18	18
MEANS	7340	-27.1	-42.1	28	45	9359	-39.8	-48.7	28	65
MAX.	7478	-19.6	-24.9	28	87	9558	-29.3	-40.2	28	110
MIN.	7141	-32.1	-57.8	25	25	9119	-44.8	-55.2	26	47

DIOSONDE OBSERVATIONS AT STANDARD LEVELS(200GMT.) AT BASRAH AIR PORT

	200 MILLIBARS					150 MILLIBARS				
YS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	12033	-44.0	-	-	-	13928	-52.0	-	-	-
2	12104	-51.2	-	30	83	13966	-55.0	-	29	76
3	-	-	-	-	-	-	-	-	-	-
4	12237	-55.2	-	-	-	14050	-61.4	-	-	-
5	12111	-56.8	-	26	80	13924	-60.2	-	-	-
6	12046	-59.2	-	-	-	13846	-60.0	-	-	-
7	12073	-57.7	-	-	-	13885	-59.3	-	-	-
8	12033	-52.2	-	28	67	13864	-60.0	-	29	79
9	12064	-50.6	-	-	-	13914	-57.7	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	12270	-55.1	-	-	-	14076	-58.7	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	12061	-48.1	-	-	-	13942	-55.2	-	-	-
16	12131	-47.3	-	-	-	14006	-55.0	-	-	-
17	12101	-47.9	-	-	-	13951	-58.2	-	-	-
18	12175	-50.0	-	-	-	14020	-57.8	-	-	-
19	12096	-51.5	-	-	-	13921	-62.1	-	-	-
20	11875	-50.9	-	-	-	13715	-58.1	-	-	-
21	-	-	-	-	-	-	-	-	-	-
22	11888	-46.0	-	-	-	13756	-59.3	-	-	-
23	11783	-49.5	-	-	-	13663	-52.2	-	-	-
24	11898	-53.1	-	-	-	13746	-54.5	-	-	-
25	12022	-58.8	-	-	-	13828	-59.2	-	-	-
26	12090	-52.3	-	-	-	13920	-59.2	-	-	-
27	12018	-55.6	-	-	-	13804	-63.0	-	-	-
28	11973	-53.7	-	-	-	13799	-58.3	-	-	-
29	12108	-49.6	-	-	-	13880	-53.8	-	-	-
30	11952	-56.2	-	-	-	-	-	-	-	-
31	12059	-58.0	-	26	72	13871	-56.1	-	-	-
D DAY	25	25	-	4	4	24	24	-	2	2
MEANS	12044	-52.4	-			13886	-57.8	-		
MAX.	12270	-44.0	-	30	83	14076	-52.0	-	29	79
MIN.	11783	-59.2	-	28	67	13663	-63.0	-	29	76

MARCH 1966. TABLE 20 a.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BASRAH AIR PORT

	100 MILLIBARS					70 MILLIBARS				
DAYS	HHHHH	TT	TdTd	dd	ff	HHHHH	TT	TdTd	dd	ff
1	16518	-57.9	-	-	-	-	-	-	-	-
2	16486	-64.9	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-
4	16523	-68.2	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-
7	16395	-63.0	-	-	-	18592	-63.8	-	-	-
8	16344	-69.6	-	-	-	18474	-70.5	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	16607	-62.6	-	-	-	18797	-65.0	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	16493	-59.7	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-
17	16426	-59.8	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
20	16215	-66.9	-	-	-	18385	-63.5	-	-	-
21	-	-	-	-	-	-	-	-	-	-
22	16280	-59.3	-	-	-	-	-	-	-	-
23	16248	-58.3	-	-	-	18487	-56.9	-	-	-
24	16296	-61.3	-	-	-	18499	-63.0	-	-	-
25	-	-	-	-	-	-	-	-	-	-
26	16428	-66.8	-	-	-	18582	-67.3	-	-	-
27	16262	-68.6	-	-	-	18377	-69.5	-	-	-
28	-	-	-	-	-	-	-	-	-	-
29	16435	-64.3	-	-	-	18609	-65.8	-	-	-
30	-	-	-	-	-	-	-	-	-	-
31	16431	-57.8	-	-	-	18651	-62.3	-	-	-
n DAY	16	16	-	-	-	10	10	-	-	-
MEANS	16399	-63.3	-	-	-	18585	-64.8	-	-	-
MAX.	16607	-57.8	-	-	-	18797	-56.9	-	-	-
MIN.	16215	-69.6	-	-	-	18377	-70.5	-	-	-

الجمهورية العراقية

وزارة المواصلات

مديرية الطيران المدني العامة

مصلحة الارصاد الجوية العامة

شعبة المناخ

بغداد

المعلومات المناخية لشهر نيسان ١٩٦٦

مجلد ٢٩ عدد (٤) نيسان ١٩٦٦

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

MONTHLY CLIMATOLOGICA DATA FOR APRIL 1966

VOLUME 29 , No. (4) , APRIL 1 9 6 6 .

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NOTE: GEOGRAPHICAL DATA AND NOTES ON TABLES SEE: JANUARY 1966

APRIL 1966.

TABLE 1 a.

نيسان ١٩٦٦ (١)

المعدل اليومي لدرجات الحرارة (سنتيغراد)

DAILY MEAN TEMPERATURES (C°) OF 8 OBSERVATIONS

الايام	سنجار	موصل	كركوك	رطبة	حبانية	بغداد
DAYS	SINJAR	MOSUL	KIRKUK	RUTBAH	HABBANIYA	BAGHDAD
1	17.7	16.6	17.7	17.2	20.6	20.5
2	14.6	15.0	16.8	14.7	18.4	17.5
3	14.4	15.8	17.2	13.9	18.2	18.6
4	17.8	16.1	17.3	15.9	18.2	18.3
5	18.5	18.3	19.2	19.3	20.2	21.0
6	17.3	18.1	20.2	21.5	24.9	24.4
7	18.1	18.0	18.5	18.3	23.1	22.8
8	17.5	18.3	19.5	15.1	21.8	22.2
9	14.0	15.5	15.8	14.4	18.0	18.5
10	17.8	16.9	17.8	16.8	20.3	20.4
11	17.6	18.5	19.6	17.0	22.8	23.2
12	16.7	18.2	20.1	21.8	25.8	24.9
13	15.5	17.9	18.5	17.9	22.6	23.2
14	16.0	16.3	17.8	17.7	21.4	20.0
15	17.5	17.8	19.8	25.1	22.6	23.4
16	16.3	18.8	22.0	20.1	24.0	24.6
17	17.9	19.4	21.7	17.5	22.8	24.6
18	19.7	19.8	20.9	20.3	23.1	23.8
19	20.1	21.1	22.8	22.6	24.4	24.8
20	18.9	19.0	21.3	20.3	23.9	24.2
21	15.9	17.8	18.5	16.6	19.7	21.8
22	18.8	16.8	19.0	18.7	21.8	22.5
23	19.7	18.9	20.6	18.6	21.8	22.8
24	23.1	21.3	21.7	20.4	24.6	25.2
25	23.5	22.0	23.3	20.8	25.1	24.7
26	25.6	23.3	26.1	22.4	25.8	27.0
27	27.0	24.5	27.3	25.3	26.9	27.7
28	27.8	25.5	27.8	23.1	30.1	30.0
29	24.9	25.1	26.7	23.9	27.5	28.4
30	26.9	24.0	26.8	25.9	29.4	29.1
MEANS	19.2	19.2	20.7	19.4	23.2	23.3
DEPARTURE FROM NORMAL	....	+1.9	+1.3	+1.2	+1.7	+1.1

NOTE : AT SINJAR OBSERVATIONS 0000 & 2100 ARE MISSED.

T I M E - G . M . T .

$$\frac{0000 + 0300 + 0600 + 0900 + 1200 + 1500 + 1800 + 2100}{8} = \text{DAILY MEAN}$$

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TABLE 1 - ٢. المعدل اليومي لدرجات الحرارة (سنتيغراد)

DAILY MEAN TEMPERATURES (C°) OF 8 OBSERVATIONS

الايام	نخيب	هي	نجف	ديوانية	ناصرية	بصرة
DAYS	NUKHAIB	HAI	NAJAF	DIWANIYA	NASIRIYA	BASRAH
1	21.0	21.0	20.7	20.7	20.1	20.0
2	21.4	17.9	18.3	17.4	17.6	19.9
3	19.4	21.0	19.5	19.4	20.0	20.5
4	21.4	20.4	19.7	19.7	20.3	21.1
5	22.9	22.2	21.4	21.2	21.1	21.2
6	27.1	23.7	24.5	24.3	23.3	22.4
7	23.8	22.1	21.8	22.0	23.0	24.4
8	21.6	24.1	22.7	22.8	24.7	25.0
9	19.5	22.2	20.4	20.2	22.9	23.8
10	23.3	21.6	20.9	21.0	21.8	22.4
11	25.5	24.3	23.4	22.0	24.7	24.1
12	26.8	24.9	25.3	24.4	23.7	24.9
13	26.1	23.8	24.5	22.8	24.2	26.1
14	22.9	23.3	22.7	21.7	22.9	23.8
15	29.1	24.5	24.7	24.2	23.9	23.6
16	26.5	26.6	25.4	25.4	28.6	27.4
17	22.9	25.9	23.5	24.6	25.2	25.9
18	25.5	25.2	24.5	24.0	24.6	25.1
19	27.7	27.5	26.3	25.8	25.6	25.1
20	27.7	25.7	24.5	25.2	26.6	28.0
21	22.9	21.7	22.9	23.4	24.7	27.2
22	25.3	23.6	23.8	23.0	23.3	23.8
23	25.7	25.0	24.2	24.0	24.7	24.2
24	26.2	25.5	25.4	25.0	25.5	24.7
25	26.4	26.8	25.3	24.7	27.2	26.2
26	28.9	27.6	26.4	26.0	26.3	25.9
27	31.0	29.3	28.6	27.8	29.1	27.6
28	31.4	30.8	31.0	29.7	29.8	30.4
29	30.3	30.3	29.1	29.5	30.5	29.7
30	34.2	30.6	30.0	29.6	29.5	27.8
MEANS	25.5	24.6	24.0	23.7	24.5	24.7
DEPARTURE FROM NORMAL	****	+1.5	****	+0.9	+0.8	+0.6

NOTE : AT NUKHAIB OBSERVATIONS 0000, 0300 & 2100 ARE MISSED.
AT HAI, OBSERVATIONS 0000 & 2100 ARE MISSED.

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

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

الايام DAYS	سنجار SINJAR	موصل MOSUL	كركوك KIRKUK	رطبة RUTBAH	حبانية HABBANIYA	بغداد BAGHDAD
1	1017.9	1018.1	1017.5	1013.8	1016.2	1016.6
2	15.9	16.2	15.5	14.2	13.8	14.5
3	16.6	15.9	15.1	16.8	15.5	15.4
4	18.6	18.7	18.0	17.8	18.0	17.8
5	18.9	18.4	17.5	14.9	16.9	17.0
6	12.7	12.8	12.4	08.3	09.7	10.8
7	07.6	08.6	08.4	07.1	06.0	06.2
8	07.2	07.2	06.9	10.3	07.6	07.0
9	11.6	12.3	12.3	13.2	12.5	12.3
10	11.9	12.8	12.8	11.3	11.6	12.3
11	10.3	11.1	10.9	11.1	09.8	10.3
12	10.2	09.3	09.0	07.9	08.0	08.8
13	07.9	06.7	06.7	10.0	08.4	08.1
14	14.3	13.9	13.8	14.8	13.8	13.6
15	11.7	12.0	11.7	07.6	10.0	10.6
16	08.0	06.6	06.1	05.3	04.2	04.7
17	10.6	09.9	08.5	11.1	08.2	07.6
18	12.9	11.4	11.1	12.8	10.9	10.5
19	10.9	10.8	10.0	08.7	09.2	09.3
20	08.0	09.2	08.3	05.8	05.7	06.2
21	12.2	10.7	10.2	12.2	10.2	09.8
22	12.3	12.1	12.1	12.9	11.6	11.8
23	14.3	13.9	12.3	13.2	11.6	11.3
24	13.2	13.6	11.9	12.9	09.8	09.0
25	14.1	14.5	12.6	12.8	10.1	09.8
26	15.8	15.8	14.2	14.1	13.0	13.0
27	13.3	13.8	12.9	11.4	11.8	12.0
28	09.7	10.6	10.4	11.4	08.8	09.5
29	10.7	10.6	10.4	11.1	10.1	09.8
30	10.5	11.0	10.7	09.8	09.4	10.0
MEANS	1012.3	1012.3	1011.7	1011.2	1010.7	1010.8
DEPARTURE FROM NORMAL	....	-0.2	-0.4	-1.6	-1.0	-1.1

STATIONS	HIGHEST	TIME	DAY	YEAR	LOWEST	TIME	DAY	YEAR	
SINJAR	1020.0	0300	5th	1966	1006.3	0300	13th	1966	1966
MOSUL	1020.9	0600	5th	1966	1001.8	0000	13th	1966	
KIRKUK	1019.7	2100	4th	1966	1002.1	0000	13th	1966	
RUTBAH	1019.2	0600	4th	1966	1002.9	0300	16th	1966	
HABBANIYA	1019.4	0600	5th	1966	1003.0	0300	16th	1966	
BAGHDAD	1019.0	1800	4th	1966	1003.4	1500	16th	1966	
SINJAR	1024.7	0300	24th	1964	999.8	0900	17th	1963	RECORD
MOSUL	1027.9	0300	2nd	1956	997.3	1800	19th	1958	
KIRKUK	1026.5	2100	1st	1956	994.4	1200	17th	1964	
RUTBAH	1028.7	0600	1st	1956	998.4	1200	19th	1958	
BAGHDAD	1026.6	0900	26th	1956	991.5	0900	17th	1964	

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

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

الايام	نخيب	حي	نجف	ديوانية	ناصرية	بصرة
DAYS	NUKHAIB	HAI	NAJAF	DIWANIYA	NASIRIYA	BASRAH
1	1015.0	1016.5	1016.2	1016.3	1016.4	1017.0
2	12.6	14.8	13.6	15.5	13.2	13.6
3	15.7	14.4	14.9	15.1	13.9	13.6
4	17.6	16.6	17.5	17.6	17.1	17.0
5	16.1	16.4	16.6	16.8	16.6	16.7
6	07.7	11.7	09.9	10.8	11.5	12.9
7	05.8	06.5	04.6	05.2	06.1	08.0
8	09.4	07.2	07.2	07.4	07.4	08.3
9	13.3	10.8	11.7	11.9	10.7	10.3
10	11.0	11.9	11.9	12.2	11.9	12.2
11	08.7	10.2	09.2	09.7	09.7	10.7
12	09.2	10.2	08.7	09.4	10.1	10.2
13	09.6	08.4	08.5	09.2	09.0	09.8
14	15.1	12.4	13.4	13.7	13.0	12.8
15	08.7	10.8	10.3	10.9	10.9	11.1
16	04.6	06.2	04.6	05.7	06.4	07.1
17	09.9	07.8	07.6	08.0	08.2	08.5
18	12.1	08.7	10.5	10.4	09.2	08.9
19	09.4	07.4	09.2	09.1	08.3	08.5
20	03.6	06.5	05.2	06.1	06.8	08.0
21	11.1	09.1	09.3	09.2	08.2	07.7
22	12.0	11.4	11.9	12.1	11.8	11.8
23	11.7	10.5	10.8	11.1	10.1	10.5
24	10.9	06.5	08.4	08.4	07.4	07.2
25	11.2	08.8	09.4	09.5	08.8	09.1
26	13.3	11.9	12.4	12.6	12.3	12.4
27	11.1	11.5	11.5	11.9	11.5	12.1
28	08.6	10.5	08.5	09.3	09.8	11.4
29	10.5	08.7	09.0	09.3	08.6	10.0
30	09.2	10.7	09.7	09.9	10.5	11.1
MEANS	1010.8	1010.5	1010.4	1010.8	1010.5	1011.0
DEPARTURE FROM NORMAL	....	-0.7	....	-0.3	-0.7	-0.4

STATION	HIGHEST	TIME	DAY	YEAR	LOWEST	TIME	DAY	YEAR	
NUKHAIB	1019.7	0600	4th	1966	1003.7	1500	16th	1966	1966
HAI	1018.0	0600	5th	1966	1005.0	1200	16th	1966	
NAJAF	1019.2	0600	4th	1966	1002.8	1500	7th	1966	
DIWANIYA	1018.9	0900	4th	1966	1003.5	1500	7th	1966	
NASIRIYA	1019.0	0600	5th	1966	1003.2	1500	7th	1966	
BASRAH	1018.6	0600	5th	1966	1005.0	1500	16th	1966	
NUKHAIB	1023.1	0900	24th	1964	999.0	1200	23rd	1963	RECORD
HAI	1022.6	0600	6th	1965	996.8	0900	17th	1964	
NAJAF	1023.2	0600	6th	1965	994.6	0900	17th	1964	
DIWANIYA	1025.8	2100	1st	1956	993.6	0900	17th	1964	
NASIRIYA	1025.9	2100	1st	1956	998.3	0300	17th	1964	
BASRAH	1024.7	1800	1st	1956	999.5	1200	13th	1952	

TABLE - 3 . المعدل اليومي للرطوبة النسبية (٪)

DAILY MEAN RELATIVE HUMIDITY (٪) OF 8 OBSERVATIONS

الايام DAYS	SIN-JAR	NO-SUL	KIR-KUK	RUT-BAH	HABB-ANIYA	BAGH-DAD	NUK-HAIB	HAI	NA-JAF	DIWA-NIYA	NASI-RIYA	BAS-RAH
1	38	66	51	52	43	44	36	50	36	42	42	70
2	67	78	61	61	60	62	37	70	51	65	73	76
3	65	75	63	41	54	47	35	50	42	55	59	79
4	42	66	56	31	54	46	32	46	34	40	43	71
5	39	63	46	26	50	45	31	52	34	46	47	78
6	55	67	45	37	43	38	32	49	31	36	33	68
7	60	77	68	43	61	55	33	62	50	55	47	71
8	44	67	65	49	57	56	25	59	40	52	46	75
9	58	65	60	45	59	48	29	47	34	43	42	75
10	45	64	53	29	46	40	16	46	36	38	39	73
11	45	55	45	34	39	40	21	44	33	39	38	74
12	60	63	45	21	32	39	16	48	30	44	50	60
13	61	57	58	25	40	36	17	45	23	36	39	46
14	55	63	59	31	51	47	31	47	33	42	48	54
15	51	66	49	17	51	39	32	43	30	40	41	57
16	52	71	42	33	52	40	44	45	32	37	31	43
17	45	65	50	46	57	48	43	60	42	52	54	57
18	39	63	49	37	44	38	34	48	34	43	50	65
19	39	58	45	24	44	38	30	42	32	41	46	66
20	56	71	50	40	42	40	28	46	38	39	41	45
21	65	74	73	55	57	54	39	69	44	48	50	60
22	63	74	56	41	41	40	34	48	38	42	43	71
23	46	64	44	37	42	38	35	40	30	35	38	68
24	45	59	33	39	36	30	32	43	31	37	44	74
25	26	44	28	29	31	35	15	40	29	39	43	71
26	17	39	27	29	35	35	19	38	29	40	42	74
27	19	40	25	28	37	35	15	39	27	33	39	67
28	19	41	24	37	25	32	13	37	24	27	26	53
29	21	35	26	33	31	33	14	38	27	32	33	63
30	19	42	27	20	34	35	11	36	25	33	37	64
MEANS	45	61	47	36	45	42	28	48	34	42	43	66
NORMAL	..	60	48	39	44	43	..	48	..	43	40	58

STATION	HIGHEST	TIME	DAY	LOWEST	TIME	DAY
SINJAR	82	0300	13th	13	1500	30th
MOSUL	97	1800	20th	14	1200	25th
KIRKUK	96	0300	21st	13	1200	28th
RUTBAH	92	0300	21st	5	1200	15th
HABBANIYA	90	2100	7th	9	1200	28th
BAGHDAD	88	0300	3rd	16	1200	24th
NUKHAIB	73	1800	16th	7	1200	30th
HAI	87	0300	3rd.	23	1200	26th
NAJAF	78	0300	8th	10	0900	6th
DIWANIYA	85	0300	27th	12	1200	28th
NASIRIYA	89	0000	3rd	10	1200	16th
BASRAH	100	0300	12th	15	0900	13th

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TABLE 4 -a

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درجات الحرارة العظمى و الصغرى اليومية (سنجار) (موصل) (كركوك) (خانقين) (رطبة)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	سنجار		موصل		كركوك		خانقين		رطبة	
	SINJAR		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	22.4	13.2	23.6	9.0	23.8	10.4	27.2	7.2	22.2	12.0
2	17.3	12.4	19.3	12.8	20.2	14.5	22.2	12.2	20.0	9.5
3	17.0	10.4	22.2	11.4	23.1	12.0	23.9	11.1	21.0	8.8
4	20.4	11.3	23.6	8.2	23.1	10.4	24.4	7.8	23.5	6.2
5	21.8	11.4	25.2	8.4	26.4	13.5	27.8	10.0	27.0	11.5
6	20.1	14.4	24.4	11.8	26.4	14.3	30.0	13.3	30.0	13.5
7	20.4	14.6	22.1	14.8	20.7	16.0	27.8	13.3	25.5	13.0
8	20.3	14.0	24.4	13.0	25.6	15.9	27.2	15.0	21.5	9.4
9	17.4	9.0	21.4	11.7	21.0	10.4	24.4	10.0	21.5	7.5
10	21.4	11.0	23.8	10.5	24.0	10.7	25.0	7.2	24.0	10.4
11	21.7	13.6	26.2	10.8	26.2	12.4	26.7	12.2	24.0	9.4
12	20.9	13.6	24.2	13.3	26.2	15.2	30.0	13.9	30.0	13.5
13	19.2	9.4	24.3	12.7	24.9	15.6	27.2	20.0	26.0	10.4
14	20.2	9.4	24.5	10.2	24.7	10.7	25.1	10.0	24.5	9.5
15	20.4	11.5	23.4	11.1	25.1	13.0	27.8	10.6	34.5	16.2
16	21.1	10.9	23.7	14.4	26.8	17.9	32.2	16.1	25.0	18.2
17	22.4	11.3	26.5	12.8	27.4	16.3	30.0	18.9	23.5	11.0
18	25.1	12.4	28.0	11.2	27.6	13.6	29.4	14.4	28.5	11.6
19	26.2	12.4	29.4	12.8	29.7	14.7	31.1	12.8	30.0	12.5
20	23.6	13.5	25.3	11.3	29.5	17.5	32.2	11.7	25.6	16.0
21	17.9	12.1	24.0	13.2	25.1	13.9	28.3	13.9	22.5	10.0
22	23.7	13.8	24.2	13.5	25.6	13.3	27.2	10.6	26.0	10.0
23	22.6	13.5	26.1	11.2	27.2	12.8	28.3	10.6	27.0	9.4
24	26.6	17.4	29.2	13.2	29.2	16.8	30.0	15.0	28.0	11.5
25	27.7	16.2	30.2	13.4	29.2	16.1	31.7	16.1	29.0	12.6
26	28.8	20.0	31.5	14.6	33.0	19.8	33.9	12.8	31.0	13.0
27	30.6	20.2	32.8	15.0	34.6	20.1	35.6	15.6	34.2	15.0
28	32.0	23.0	33.8	17.4	34.2	20.2	36.7	19.4	31.5	16.2
29	27.8	20.1	32.8	18.2	33.4	22.3	37.2	21.1	34.0	13.2
30	32.0	18.0	33.2	13.8	34.7	17.5	35.6	16.1	35.6	18.0
MEANS	23.0	13.8	26.1	12.9	27.0	14.9	29.3	13.3	26.9	11.9
DEPARTURE FROM NORMAL			+0.8	+3.2	+1.5	+1.9	+1.7	-0.4	+1.2	+2.0

STATIONS	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
SINJAR	32.0	28&30th	1966	0.0	5th	1965
MOSUL	40.0	?	1928	-1.6	1st	1956
KIRKUK	39.6	28th	1958	1.0	5th	1965
KHANAQIN	39.0	27th	1958	0.5	1st	1956
RUTBAH	39.0	23rd	1959	-2.0	1st	1956

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

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	حبانية		بغداد		نخيب		حي	
	HABBANIYA		BAGHDAD		NUKHAIB		HAI	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	26.4	11.4	27.0	13.8	24.3	8.1	27.6	11.0
2	22.1	16.7	20.0	15.5	26.0	7.3	22.0	14.0
3	24.4	12.2	24.8	11.0	23.5	8.3	27.0	12.0
4	25.0	10.6	25.0	9.0	25.5	8.6	26.2	11.0
5	27.2	13.5	27.8	11.5	26.6	11.5	28.6	13.0
6	33.0	17.2	31.8	15.5	31.0	11.6	31.2	14.0
7	27.8	18.6	26.8	19.0	27.5	15.3	25.4	16.0
8	27.2	18.4	28.5	16.5	24.6	12.3	28.0	17.4
9	23.4	12.5	23.8	13.6	22.6	10.2	27.4	16.0
10	27.0	11.6	26.3	11.0	27.4	9.4	27.2	12.8
11	28.4	17.0	29.2	15.4	28.5	9.6	30.8	13.6
12	32.2	16.8	31.8	17.8	30.5	13.1	30.2	16.0
13	27.8	17.8	28.2	18.5	29.6	15.3	30.0	16.4
14	29.0	14.5	28.5	12.5	25.6	12.6	30.0	13.0
15	29.6	14.7	29.8	13.8	34.0	13.1	30.4	14.2
16	28.0	19.3	30.5	19.6	30.6	22.0	32.4	16.0
17	30.0	16.7	31.8	18.0	27.1	14.5	28.0	22.0
18	30.0	15.0	31.0	13.8	29.5	13.4	30.8	16.0
19	33.2	15.9	32.6	14.5	32.0	15.5	34.8	16.2
20	31.6	18.4	31.0	16.3	32.2	19.0	32.4	15.4
21	27.0	16.5	28.7	16.9	26.0	15.0	24.6	18.0
22	29.0	14.5	29.7	13.7	29.5	12.0	29.4	14.6
23	29.0	13.3	30.4	12.7	30.5	12.5	31.2	15.0
24	32.5	16.1	32.5	17.0	30.1	14.0	32.8	14.4
25	32.0	18.5	32.0	18.1	30.0	14.0	33.4	15.0
26	34.5	16.5	34.8	16.4	33.1	14.5	34.4	16.6
27	36.0	17.5	36.4	16.0	34.8	15.5	36.2	18.2
28	39.4	18.0	37.8	19.6	36.3	19.4	38.0	19.6
29	34.0	20.6	35.8	23.7	34.6	19.0	36.0	23.0
30	39.0	18.0	37.0	17.6	39.5	18.2	37.8	18.4
MEANS	29.9	15.9	30.0	15.6	29.4	13.4	30.5	15.6
DEPARTURE FROM NORMAL	+0.6	+1.0	+1.0	+1.0	....	....	+0.5	0.0

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
HABBANIYA	41.1	30th	1944	2.2	1&2nd	1956
BAGHDAD	41.7	28th	1958	1.2	1st	1956
NUKHAIB	39.5	30th	1966	4.0	5th	1965
HAI	40.3	23rd	1959	1.9	1st	1956

TABLE 4 e .

درجات الحرارة العظمى والصغرى اليومية (سنتغراد)

DAILY MAXIMUM AND MINIMUM TEMPERATURES (C°)

	نجف		ديوانية		ناصرية		بصرة	
	NAJAF		DIWANIYA		NASIRIYA		BASRAH	
الايام	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى	عظمى	صغرى
DAYS	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	27.3	12.0	27.5	13.8	25.3	13.7	27.2	12.2
2	22.7	15.5	20.3	16.5	21.5	16.6	24.4	17.0
3	26.4	11.5	26.5	12.4	25.8	13.2	26.0	15.3
4	27.4	12.6	26.0	11.5	26.3	14.6	27.0	14.9
5	28.4	13.5	29.0	13.5	27.4	14.1	28.2	14.6
6	32.5	14.4	32.5	15.5	29.6	16.2	30.0	14.2
7	25.7	16.0	26.1	18.1	28.4	18.3	31.6	17.2
8	28.7	16.7	29.3	17.8	29.6	21.0	30.1	21.8
9	26.0	15.4	26.0	14.5	27.9	19.4	30.4	18.5
10	27.2	12.5	28.1	13.5	27.2	15.2	27.6	16.1
11	30.2	14.0	31.0	14.0	31.2	17.3	31.5	17.5
12	32.6	16.0	32.8	18.0	29.3	16.9	32.5	17.8
13	30.2	18.6	29.2	16.4	30.4	17.0	36.4	19.7
14	28.3	15.5	28.5	15.0	28.5	16.5	29.7	18.0
15	33.4	15.4	32.5	14.3	31.4	15.7	29.7	17.7
16	32.2	18.5	32.8	18.0	38.2	18.2	36.8	17.5
17	28.4	17.5	28.6	21.1	30.8	24.7	32.7	21.4
18	30.6	17.5	31.3	16.5	29.8	19.1	30.4	20.0
19	33.6	17.6	34.5	17.0	33.4	17.2	32.0	20.5
20	29.2	18.4	29.0	21.0	34.0	19.6	36.6	18.4
21	28.8	16.8	29.8	19.0	28.4	22.4	34.1	24.4
22	31.2	15.2	30.2	15.0	28.9	16.9	28.9	19.5
23	31.8	14.7	32.5	14.2	31.3	16.4	31.2	17.0
24	32.7	17.2	33.0	17.0	31.7	17.7	31.0	18.7
25	32.4	16.2	33.6	15.8	33.5	18.0	33.8	18.9
26	34.2	16.5	35.5	15.0	33.2	17.7	33.8	18.6
27	36.8	19.4	36.5	17.7	35.8	21.2	36.1	18.0
28	39.0	21.6	38.2	19.2	37.1	20.2	38.8	21.0
29	36.4	22.4	36.3	21.5	38.9	25.3	37.2	22.0
30	39.2	20.0	38.5	19.0	38.4	21.4	34.0	21.0
MEANS	30.8	16.3	30.8	16.4	30.8	18.1	31.7	18.3
DEPARTURE FROM NORMAL	....	....	+0.6	+2.3	+1.2	+2.4	+0.5	+0.1

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
NAJAF	39.3	28th	1965	7.0	5th	1965
DIWANIYA	42.0	10th	1958	1.6	2nd	1946
NASIRIYA	42.8	28th	1942	3.6	2nd	1956
BASRAH	43.8	25th	1954	2.8	4th	1944

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

MONTHLY MEAN DRY - BULB TEMPERATURE (C°)

STATIONS	TIME - G. M. T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
SINJAR	....	15.2	18.3	21.0	22.1	20.5	18.1	....	19.2
MOSUL	14.3	13.5	18.6	23.7	25.4	22.9	18.8	16.4	19.2
KIRKUK	16.4	16.1	21.1	24.7	25.9	23.7	20.0	18.2	20.8
KHANAQIN	....	15.6	23.2	26.6	28.0	26.0	21.8	....	23.5
RUTBAH	14.0	12.4	18.6	23.5	26.0	24.6	19.9	16.6	19.5
HABBANIYA	18.0	16.6	22.4	27.8	29.6	27.5	22.4	20.0	23.0
BAGHDAD	18.5	16.7	23.2	27.5	29.4	28.1	23.3	20.7	23.4
NUKHAIB	....	....	20.7	26.0	28.5	28.2	23.6	....	25.4
HAI	....	16.5	23.1	28.7	30.0	26.9	22.3	....	24.6
NAJAF	18.8	16.8	23.1	28.5	30.0	28.8	24.3	21.6	24.0
DIWANIYA	17.6	16.7	23.9	28.2	30.5	28.4	23.3	20.3	23.6
NASIRIYA	20.2	18.8	23.8	28.3	29.6	28.3	24.4	22.5	24.5
BASRAH	20.2	19.2	25.2	29.6	30.5	27.5	23.7	22.0	24.7

TABLE 6. MONTHLY MEAN VAPOUR-PRESSURE (MILLIBARS) ضغط البخار (ملليبارات)

SINJAR	....	9.1	9.6	9.4	9.8	9.5	9.1	....	9.3
MOSUL	12.4	12.2	13.1	13.2	12.0	12.4	13.6	13.2	12.8
KIRKUK	10.8	10.6	11.2	10.2	9.9	10.4	11.1	10.9	10.6
KHANAQIN	....	9.7	10.3	9.8	9.9	10.1	10.0	....	10.0
RUTBAH	7.3	7.4	8.5	7.8	7.0	7.0	7.7	7.3	7.5
HABBANIYA	11.9	11.6	12.4	10.8	10.5	11.5	12.8	12.3	11.7
BAGHDAD	11.3	11.1	12.8	11.4	10.6	10.7	11.5	11.4	11.4
NUKHAIB	....	....	9.0	8.7	8.3	8.1	8.5	....	8.5
HAI	....	12.6	14.6	14.4	14.2	14.9	13.4	....	14.0
NAJAF	9.3	9.7	10.2	9.4	9.0	8.8	9.8	9.4	9.5
DIWANIYA	11.1	11.3	12.4	11.3	10.3	10.6	11.5	11.8	11.3
NASIRIYA	12.9	12.7	12.9	11.4	10.6	12.6	13.8	14.0	12.6
BASRAH	18.2	17.8	19.8	21.5	21.9	21.0	20.4	19.0	20.0

TABLE 7. MONTHLY MEAN WET-BULB TEMPERATURES (C°) معدل الحرارة للبصلة الرطبة (سنتغراد)

SINJAR	....	10.4	12.2	13.3	13.9	13.1	11.9	....	12.5
MOSUL	12.1	11.6	14.4	16.5	16.6	15.9	14.8	13.5	14.4
KIRKUK	12.1	11.8	14.4	15.4	15.7	15.1	13.9	13.0	13.9
KHANAQIN	....	11.1	14.8	15.9	16.6	15.9	14.0	....	14.4
RUTBAH	8.9	8.1	11.8	13.6	14.3	13.7	11.6	10.2	11.5
HABBANIYA	13.4	12.6	15.6	17.0	17.5	17.2	15.8	14.5	15.4
BAGHDAD	13.3	12.7	15.7	17.3	16.5	17.1	15.5	15.0	15.4
NUKHAIB	....	....	13.2	15.2	16.1	15.8	14.0	....	14.9
HAI	....	13.0	16.6	18.4	18.7	17.7	15.5	....	16.7
NAJAF	12.3	11.6	14.7	16.6	17.1	16.3	15.0	13.6	14.7
DIWANIYA	12.9	12.5	16.1	17.6	17.7	17.1	15.5	14.3	15.5
NASIRIYA	14.9	14.2	16.4	17.5	17.6	18.1	17.3	16.4	16.6
BASRAH	17.6	17.0	20.2	22.3	22.8	21.5	20.0	18.7	20.0

TABLE 8. MONTHLY MEAN DEW-POINT (C°) معدل درجة الندى (سنتغراد)

SINJAR	....	5.2	5.8	5.8	5.7	5.7	5.2	....	5.6
MOSUL	10.1	9.8	11.0	10.8	9.4	10.0	11.5	11.0	10.5
KIRKUK	7.8	7.5	8.2	6.8	6.5	7.2	8.3	8.0	7.5
KHANAQIN	....	6.3	7.1	6.2	5.8	6.7	6.6	....	6.5
RUTBAH	2.3	2.5	4.4	2.7	2.0	1.3	1.6	2.3	2.4
HABBANIYA	9.2	8.9	9.9	7.7	7.3	8.7	10.4	9.7	9.0
BAGHDAD	8.6	8.3	10.0	9.1	7.9	7.8	8.9	8.8	8.7
NUKHAIB	....	....	5.0	4.4	3.5	3.3	3.8	....	4.0
HAI	....	10.0	12.6	12.3	12.2	12.7	11.2	....	11.8
NAJAF	5.6	6.3	6.9	5.6	5.2	4.7	6.3	6.1	5.8
DIWANIYA	8.5	8.5	9.9	8.3	7.0	7.5	8.8	8.1	8.6
NASIRIYA	10.4	10.3	10.6	8.7	7.4	10.2	11.4	11.5	10.1
BASRAH	15.9	15.6	17.1	18.2	18.5	18.1	17.6	16.6	17.2

TABLE 9.

المعدل الشهري للرطوبة النسبية (٪)

MONTHLY MEAN RELATIVE HUMIDITY (٪)

STATIONS	TIME = G. M. T. 0000	0300	0600	0900	1200	1500	1800	2100	MEANS
SINJAR	,,	55	49	40	38	44	47	,,	45
MOSUL	77	79	63	46	39	47	64	72	61
KIRKUK	61	61	47	35	32	38	50	55	47
KHANAQIN	,,	56	37	30	27	32	40	,,	37
RUTBAH	47	53	41	28	22	24	31	40	36
HABBANIYA	59	63	47	30	27	33	48	54	45
BAGHDAD	54	59	46	33	27	29	41	47	42
NUKHAIB	,,	,,	37	27	21	22	30	,,	27
HAI	,,	68	52	38	35	43	51	,,	48
NAJAF	43	52	37	25	21	23	32	37	34
DIWANIYA	56	60	43	29	25	28	42	50	42
NASIRIYA	54	59	45	31	27	34	45	52	43
BASRAH	77	81	62	53	51	57	71	73	66

TABLE 10. MONTHLY MEAN PRESSURE (MBS) AT M.S.L. معدل الضغط الجوي على سطح البحر (ملليبارات)

SINJAR	,,,,	11.5	13.1	12.7	11.7	11.8	12.4	,,,,	1012.2
MOSUL	12.4	12.9	13.6	12.8	10.8	11.0	12.3	12.2	1012.3
KIRKUK	11.9	12.1	12.4	11.9	10.7	10.7	11.8	11.8	1011.7
KHANAQIN	,,,,	13.0	12.0	10.0	08.9	09.8	11.1	,,,,	1010.8
RUTBAH	11.3	11.9	12.7	12.1	10.8	10.7	11.0	11.1	1011.5
HABBANIYA	10.6	11.1	12.2	11.5	10.1	09.5	10.6	10.6	1010.8
BAGHDAD	10.0	11.0	12.1	11.8	10.5	09.8	10.7	10.6	1010.8
NUKHAIB	,,,,	,,,,	12.8	11.7	10.0	09.4	10.3	,,,,	1010.8
HAI	,,,,	10.3	11.6	11.2	09.9	09.5	10.3	,,,,	1010.5
NAJAF	10.1	10.6	11.8	11.3	09.8	09.1	10.2	10.2	1010.4
DIWANIYA	10.3	10.9	12.1	11.7	10.2	09.5	10.6	10.5	1010.7
NASIRIYA	10.0	10.3	11.9	11.5	09.9	09.6	10.4	10.4	1010.5
BASRAH	10.5	11.0	12.1	11.9	10.4	10.1	10.9	10.9	1011.0

TABLE 11. MONTHLY MEAN LOW CLOUD AMOUNTS (OKTAS) كمية الغيوم الواطئة (اثمان)

SINJAR	,,,,	2.1	3.0	2.6	2.9	2.8	1.7	,,,	2.5
MOSUL	3.2	2.2	3.1	3.1	3.6	2.9	2.6	2.6	2.9
KIRKUK	2.1	2.9	2.2	2.0	3.2	2.9	2.1	1.9	2.4
KHANAQIN	,,,,	2.8	2.8	3.1	3.4	2.7	3.9	,,,	3.1
RUTBAH	0.1	0.7	0.7	0.9	1.3	1.5	0.8	0.3	0.8
HABBANIYA	0.3	0.5	0.4	0.6	1.3	1.0	0.8	0.5	0.7
BAGHDAD	0.3	0.5	0.5	0.7	1.0	0.4	0.2	0.3	0.5
NUKHAIB	,,,	,,,	0.6	0.5	0.7	1.0	0.9	,,,	0.7
HAI	,,,	0.7	0.6	0.4	0.8	0.7	0.3	,,,	0.6
NAJAF	0.2	0.7	0.8	1.0	0.8	0.9	0.8	0.3	0.7
DIWANIYA	0.4	0.9	1.1	1.2	1.1	0.9	0.7	0.3	0.8
NASIRIYA	0.7	1.0	1.1	1.5	1.1	1.2	0.8	0.6	1.0
BASRAH	0.7	0.8	0.5	0.3	0.5	0.4	0.6	0.6	0.6

TABLE 12. MONTHLY MEAN TOTAL CLOUD AMOUNTS (OKTAS) مجموع كمية الغيوم (اثمان)

SINJAR	,,,	3.7	4.1	4.4	3.9	4.8	3.2	,,,	4.1
MOSUL	4.5	4.7	4.8	5.3	5.9	5.4	4.2	4.1	4.9
KIRKUK	3.1	4.0	3.9	3.6	4.8	4.4	3.3	2.9	3.8
KHANAQIN	,,,	4.1	4.0	4.7	5.0	5.2	5.0	,,,	4.7
RUTBAH	1.7	3.2	3.3	3.4	4.1	4.5	2.9	2.0	3.1
HABBANIYA	3.1	3.5	3.5	3.2	3.8	4.3	3.3	3.2	3.5
BAGHDAD	3.1	3.6	4.1	3.7	4.2	4.2	3.0	2.8	3.7
NUKHAIB	,,,	,,,	2.8	3.2	3.5	4.4	2.9	,,,	3.4
HAI	,,,	3.8	3.7	3.5	3.9	4.8	3.3	,,,	3.8
NAJAF	2.4	3.1	3.4	3.0	3.9	5.0	2.8	2.2	3.2
DIWANIYA	2.1	2.8	3.4	3.2	3.2	3.7	2.3	2.3	2.9
NASIRIYA	2.2	3.1	3.3	3.5	3.0	3.5	2.8	2.2	3.0
BASRAH	2.8	2.9	2.9	3.1	3.3	3.8	2.7	3.2	3.1

ABLE 13-a.

عدد الأرصاد الجوية

SURFACE - WIND, NUMBER OF OBSERVATIONS OF:

المحطة STATIONS	وقت الرصد TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	ساكن CALM	SPEED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	34	معدل السرعة MEAN V. K.
سنجار	0300	13	4	5	0	0	0	6	2	0	28	2	0	0	6
	0600	4	5	15	0	1	0	3	1	1	24	5	0	0	8
	0900	3	1	9	0	7	1	7	2	0	20	10	0	0	8
SINJAR	1200	2	2	7	2	3	0	11	3	0	22	8	0	0	8
	1500	4	2	3	0	6	0	10	4	1	21	8	0	0	8
	1800	9	4	5	0	1	0	5	6	0	22	8	0	0	7
	TOTAL	35	18	44	2	18	1	42	18	2	177	41	0	0	7
موصل	0000	1	1	1	3	7	0	7	8	2	28	0	0	0	4
	0300	2	0	0	2	0	0	10	9	7	21	2	0	0	4
	0600	1	2	3	2	3	2	4	5	8	21	1	0	0	4
	0900	2	0	9	4	4	1	4	4	2	24	4	0	0	6
MOSUL	1200	4	0	8	5	5	1	5	2	0	24	6	0	0	7
	1500	5	2	6	5	4	0	4	3	1	27	2	0	0	6
	1800	2	0	6	2	1	0	7	5	7	20	3	0	0	5
	2100	1	0	3	3	2	0	2	4	5	23	2	0	0	4
	TOTAL	18	5	36	26	26	4	53	40	32	188	20	0	0	5
كركوك	0000	2	7	0	1	0	0	2	0	18	10	1	1	0	3
	0300	2	12	0	1	0	0	0	0	15	15	0	0	0	2
	0600	0	4	3	1	1	0	2	0	19	8	3	0	0	3
	0900	1	1	3	3	3	0	5	1	13	15	2	0	0	3
KIRKUK	1200	2	1	1	1	4	1	7	1	12	17	1	0	0	4
	1500	4	4	2	1	0	0	5	1	13	17	0	0	0	3
	1800	4	8	2	0	0	0	2	0	14	15	1	0	0	3
	2100	3	10	2	0	0	0	0	0	15	14	0	1	0	3
	TOTAL	18	47	13	8	8	1	23	3	119	111	8	2	0	3
خانقين	0300	0	0	18	5	2	0	0	0	5	23	1	1	0	6
	0600	1	2	2	2	5	0	3	0	15	9	3	3	0	6
	0900	3	1	1	3	8	2	5	1	6	17	6	1	0	8
KHANAQIN	1200	3	1	0	1	10	3	7	3	2	20	5	3	0	10
	1500	0	1	2	3	6	1	11	4	2	21	6	1	0	9
	1800	0	0	3	5	5	2	3	2	10	17	2	1	0	5
	TOTAL	7	5	26	19	36	8	29	10	40	107	23	10	7	7
رطبة	0000	4	0	1	2	4	2	5	3	9	11	9	1	0	8
	0300	1	0	0	0	3	4	9	3	10	13	7	0	0	7
	0600	3	0	2	1	7	0	7	5	5	18	7	0	0	8
	0900	6	0	3	0	4	2	10	2	3	17	8	2	0	8
RUTBAH	1200	4	1	2	2	4	0	13	3	1	14	15	0	0	10
	1500	7	2	4	1	1	1	12	1	1	20	7	2	0	9
	1800	6	2	2	3	0	0	4	4	9	15	6	0	0	6
	2100	3	2	2	3	3	0	4	3	10	15	4	1	0	6
	TOTAL	34	7	16	12	26	9	64	24	48	123	63	6	0	8

عدد تكرار رصدات الرياح السطحية

SURFACE - WIND NUMBER OF OBSERVATIONS OF:

المحطة STATIONS	وقت كرينتش TIME GMT.	DIRECTION الاتجاه N	NE	E	SE	S	SW	W	NW	سكون CALM	SPEED IN KNOTS السرعة بالعقد 1-10	11-21	22-33	34	معدل السرعة بالعقد MEAN V.K.
حبانية ABBANIYA	0000	3	1	3	3	1	1	4	2	12	14	4	0	0	6
	0300	3	2	1	3	0	0	6	3	12	14	4	0	0	5
	0600	3	1	3	3	2	0	4	9	5	16	9	0	0	9
	0900	2	3	1	2	6	1	7	7	1	15	12	2	0	11
	1200	7	1	2	2	5	2	5	3	3	16	10	1	0	11
	1500	5	4	3	4	1	1	5	3	4	21	5	0	0	7
	1800	3	2	4	1	0	1	4	3	12	13	5	0	0	6
	2100	4	0	4	1	1	0	1	4	15	10	5	0	0	5
	TOTAL	30	14	21	19	16	6	36	34	64	119	54	3	0	8
بغداد AGHDAD	0000	7	2	1	4	1	0	3	5	7	18	5	0	0	5
	0300	2	3	3	4	0	0	3	5	10	16	4	0	0	5
	0600	3	1	1	5	0	1	6	6	7	15	8	0	0	7
	0900	2	1	1	5	1	3	2	13	2	17	11	0	0	9
	1200	5	0	0	6	2	3	5	8	1	14	16	0	0	10
	1500	3	1	2	9	0	0	6	6	3	15	12	0	0	9
	1800	2	2	3	5	1	0	2	8	7	17	6	0	0	7
	2100	4	3	1	6	0	0	0	6	10	14	6	0	0	6
	TOTAL	28	13	12	44	5	7	27	57	47	126	67	0	0	7
نخيب UKHAIB	0600	5	1	0	3	3	0	9	5	4	16	9	1	0	9
	0900	7	0	1	3	5	0	8	5	1	18	9	2	0	11
	1200	4	2	1	6	1	3	6	7	0	20	8	2	0	11
	1500	4	1	2	5	2	0	11	4	1	21	8	0	0	9
	1800	5	1	3	5	4	0	8	3	1	23	6	0	0	8
	TOTAL	25	5	7	22	15	3	42	24	7	98	40	5	0	10
حي AI	0300	3	0	3	0	3	0	7	4	10	19	1	0	0	3
	0600	1	1	6	0	4	1	7	4	6	22	1	1	0	4
	0900	7	2	2	2	4	0	6	4	3	21	5	1	0	7
	1200	2	2	3	2	4	1	4	5	7	18	5	0	0	6
	1500	0	0	4	3	1	0	7	5	10	19	1	0	0	4
	1800	2	0	5	2	2	0	5	[illegible]	9	20	1	0	0	4
	TOTAL	15	5	23	9	18	2	36	27	45	119	14	2	0	5
نجف NAJAF	0000	4	1	2	3	5	1	2	8	4	17	9	0	0	8
	0300	5	0	2	3	3	1	4	11	1	27	2	0	0	6
	0600	9	1	1	3	2	1	1	10	2	20	8	0	0	8
	0900	9	2	1	2	6	0	2	8	0	17	11	2	0	10
	1200	6	2	1	3	5	0	2	10	1	16	13	0	0	10
	1500	9	1	2	6	4	1	1	6	0	24	6	0	0	8
	1800	6	3	4	6	3	0	1	4	3	23	4	0	0	7
	2100	4	3	4	6	4	0	1	5	3	22	5	0	0	7
	TOTAL	52	13	17	32	32	4	14	62	14	166	58	2	0	8

ABLE 13-a. عدد مرات مشاهدات الرياح السطحية

SURFACE - WIND, NUMBER OF OBSERVATIONS OF:

STATIONS	TIME GMT.	DIRECTIONS N	NE	E	SE	S	SW	W	NW	CALM	SPEED IN KNOTS 1-10	11-21	22-33	34	MEAN V.K.
	0000	5	2	2	4	1	3	6	0	7	23	0	0	0	4
	0300	5	0	5	2	1	2	6	1	5	20	2	0	0	5
	0600	3	0	4	3	3	0	10	2	5	20	5	0	0	5
	0900	4	1	2	3	3	2	10	4	1	19	9	1	0	8
NAWANIYA	1200	7	0	2	3	2	1	9	4	2	15	13	0	0	[illegible]
	1500	7	1	6	2	0	2	6	4	2	22	6	0	0	[illegible]
	1800	7	1	8	3	0	1	1	1	8	15	7	0	0	[illegible]
	2100	6	0	5	6	1	0	4	1	7	20	3	0	0	[illegible]
	TOTAL	44	5	34	26	11	11	52	17	40	154	45	1	[illegible]	[illegible]
	0000	6	2	0	4	5	3	4	4	2	26	2	0	[illegible]	[illegible]
	0300	3	3	0	5	5	3	6	4	2	25	3	0	0	[illegible]
	0600	1	2	2	2	2	6	6	6	3	24	3	0	0	[illegible]
	0900	2	1	1	6	1	3	2	14	0	26	4	0	0	[illegible]
ASIRIYA	1200	0	4	3	2	0	0	6	15	0	23	7	0	0	[illegible]
	1500	1	4	3	6	0	0	3	11	2	25	3	0	0	[illegible]
	1800	2	3	3	8	2	1	2	6	3	26	1	0	0	[illegible]
	2100	5	0	0	9	2	1	3	7	3	26	1	0	0	[illegible]
	TOTAL	20	19	12	42	16	17	32	67	15	204	24	0	0	[illegible]
	0000	6	4	3	1	4	2	5	5	0	26	4	0	0	6
	0300	6	4	4	0	4	2	8	1	1	28	1	0	0	[illegible]
	0600	5	2	4	1	5	2	5	6	0	25	3	2	0	[illegible]
	0900	3	0	1	5	4	1	2	14	0	16	14	0	0	[illegible]
ASRAH	1200	8	0	2	4	4	0	0	12	0	17	12	1	0	[illegible]
	1500	8	1	0	3	5	1	0	12	0	26	4	0	0	[illegible]
	1800	10	3	2	0	6	3	3	3	0	28	2	0	0	[illegible]
	2100	3	2	2	1	7	3	4	7	1	25	4	0	0	[illegible]
	TOTAL	49	16	18	15	39	14	27	60	2	191	44	3	0	7

ABLE 14. HIGHEST WIND-SPEED, DURING ONE HOUR. اعلى سرعة ريح خلال ساعة

STATIONS	HIGHEST WIND-SPEED DURING ONE HOUR (V.K.)	DIRECTION	TIME GMT.	DAY
INJAR	21 Knots	290°	1200	13th
OSUL	20	340	1800	19th
IRKUK	30	140	0000	13th
HANAQIN	31	180	1200	16th
UTBAH	26	090	0900	12th
AERANIYA	22	270	0900	13th
AGHDAD	20	140	2100	12th
UKHAIB	28	120	1200	20th
AY	25	080	0900	7th
AJAF	25	300	0900	16th
WANIYA	23	110	0900	7th
ASIRIYA	19	130	0300	7th
ASRAH	23	170	1200	29th

APRIL 1966. TABLE 16. جدول ١٦ ( ) درجات الحرارة للحشيش والتربة (صغرى)

DAILY GRASS MINIMUM TEMPERATURES C° AND SOIL TEMPERATURES C° at 0.3 & 1.2 Meters.

STATIONS	MOSUL	KIRKUK			HABBANIYA			BAGHDAD			NAJAF		NASIRIYA			BASRAH
DAYS	0.3M	GRASS	0.3M	1.2M	GRASS	0.3M	1.2M	GRASS	0.3M	1.2M	0.3M	1.2M	GRASS	0.3M	1.2M	GRASS
1	13.8	8.2	15.6	16.7	11.4	22.5	21.4	7.2	19.0	20.6	21.0	21.6	12.2	21.5	21.2	6.5
2	15.5	12.0	16.1	16.6	15.0	23.4	21.6	10.9	20.0	21.0	22.2	21.8	15.5	21.6	21.2	13.4
3	14.0	9.2	16.0	16.5	11.0	22.3	21.7	7.2	18.5	20.6	20.6	22.0	11.5	20.2	21.3	12.8
4	13.8	5.6	16.7	16.8	10.0	22.9	21.7	4.7	19.2	20.5	21.0	21.8	12.6	21.1	21.4	8.4
5	14.4	9.5	17.0	16.9	12.2	23.4	21.7	7.8	20.1	20.8	22.0	22.3	13.1	22.0	21.4	7.4
6	15.5	12.0	17.3	17.0	[illegible]	24.0	[illegible]	[illegible]	[illegible]	20.8	23.3	22.4	14.7	22.5	21.4	5.7
7	15.1	[illegible]	17.5	17.1	16.3	[illegible]	[illegible]	15.5	22.4	20.7	24.0	22.6	17.8	23.1	21.5	6.4
8	16.6	15.1	17.4	17.2	[illegible]	[illegible]	[illegible]	14.5	[illegible]	[illegible]	24.2	[illegible]	[illegible]	23.2	21.5	18.6
9	16.2	6.6	17.8	17.2	12.2	25.4	22.2	7.5	21.8	21.0	22.9	23.1	17.7	23.6	21.6	13.0
10	15.5	8.5	17.8	17.3	11.4	25.1	22.5	5.0	21.9	21.1	22.4	23.2	14.2	24.0	21.8	14.4
11	16.2	16.4	18.2	17.7	16.1	25.7	[illegible]	[illegible]	22.4	21.2	23.0	23.5	15.7	24.2	21.9	14.0
12	18.2	[illegible]	18.4	17.7	16.3	[illegible]	[illegible]	11.2	23.0	21.5	24.8	23.5	16.2	24.9	21.8	10.2
13	17.4	14.3	18.1	17.8	[illegible]	[illegible]	[illegible]	[illegible]	24.0	21.2	26.0	24.0	16.1	24.6	22.0	16.0
14	16.5	5.3	18.2	17.8	[illegible]	[illegible]	23.1	7.0	23.3	21.5	25.5	24.4	15.2	25.0	22.3	11.7
15	17.6	7.6	18.5	17.9	[illegible]	26.2	23.4	7.8	23.5	21.6	25.8	24.5	14.2	24.8	22.2	12.4
16	17.2	16.0	16.9	18.1	19.3	26.1	23.4	18.4	23.8	22.0	26.5	24.6	17.8	25.4	22.3	12.0
17	15.5	13.7	18.4	18.2	16.4	25.4	23.6	15.8	23.5	22.0	25.7	24.8	23.2	26.6	22.5	18.4
18	15.8	8.5	18.9	18.2	14.5	26.1	23.8	9.3	24.2	22.0	25.4	24.4	18.5	25.4	22.6	18.7
19	16.4	12.4	19.5	18.4	15.1	26.7	23.9	9.8	24.5	22.0	25.0	25.5	16.2	25.4	22.8	19.0
20	15.3	16.0	20.1	18.4	17.8	28.0	24.6	16.2	25.0	22.2	26.4	25.2	17.6	26.5	22.8	15.7
21	17.2	12.1	19.4	18.4	16.5	26.8	24.0	15.4	23.8	22.4	25.5	25.4	21.7	26.3	22.9	21.8
22	16.8	8.5	19.4	18.8	12.5	27.5	24.0	7.6	23.8	22.5	25.4	25.4	15.9	26.1	23.1	16.5
23	15.5	10.1	19.5	18.8	11.4	27.6	24.4	7.7	24.0	22.5	25.9	25.7	14.8	26.1	23.2	9.3
24	18.2	13.5	20.2	18.9	15.8	27.7	24.3	7.1	25.0	22.4	26.5	25.6	17.3	26.9	23.3	11.2
25	18.4	10.2	20.5	19.0	17.0	28.0	24.5	15.0	25.6	22.8	26.8	25.8	17.8	27.2	23.4	11.0
26	19.5	17.3	20.3	19.2	15.0	28.5	24.5	10.0	26.0	22.7	26.0	26.8	16.7	28.0	23.5	10.7
27	20.5	17.2	20.7	19.3	16.0	29.0	24.8	10.1	26.2	22.8	28.0	26.2	19.8	28.5	23.6	13.0
28	21.2	17.1	21.3	19.3	18.0	28.2	24.8	12.6	26.7	23.0	29.0	26.5	19.1	29.1	23.8	19.3
29	22.6	20.1	21.7	19.5	19.3	29.5	25.0	17.0	27.6	23.2	29.9	26.9	24.6	29.3	23.9	20.3
30	21.3	11.8	21.6	19.6	17.0	29.5	25.0	11.3	27.1	23.4	29.2	27.3	20.7	29.5	24.0	16.5
MEAN	17.0	11.8	18.7	18.0	15.2	26.0	23.3	10.7	23.3	21.8	25.0	24.3	17.0	25.1	22.4	13.5

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TABLE 17 .

DAILY EVAPORATION IN (MILLIMETERS) IN PAN CLASS A.

DAYS	RUT-BAH	BAGH DAD	NUK-HAIB	DIWA-NIYA	NASI-RIYA	BAS RAH	NAJ-AF	DIANA	DOKAN	DERBEN-DIKHAN
1	10	5	4	4	5	5	6	5	2	6
2	10	3	6	2	2	4	5	6	3	7
3	10	3	5	1	-3	2	8	5	1	2
4	8	6	5	4	8	3	7	4	0	-5
5	8	4	6	5	4	3	6	6	2	5
6	8	5	6	4	4	2	3	5	3	6
7	8	10	5	3	4	4	5	-17	1	8
8	6	8	4	5	7	9	7	-31	-10	-2
9	6	4	4	5	4	5	5	-15	1	3
10	6	6	6	7	6	4	4	2	3	5
11	8	7	7	5	6	6	8	4	3	5
12	6	7	8	6	6	9	9	5	3	5
13	8	9	6	6	4	4	6	5	1	3
14	8	10	8	5	6	4	8	6	3	7
15	10	7	10	6	7	7	9	5	2	5
16	10	7	-2	5	6	7	7	4	3	8
17	10	5	11	4	5	10	10	-11	2	5
18	10	8	10	4	7	3	9	4	3	6
19	10	10	9	5	5	6	9	5	4	8
20	8	8	12	6	12	9	8	6	3	9
21	8	7	12	3	2	9	9	-8	-7	6
22	10	6	13	4	6	8	8	2	-8	5
23	10	11	13	6	9	5	10	3	-5	3
24	10	9	14	6	5	9	10	8	6	8
25	10	11	15	7	7	7	8	7	8	11
26	6	7	14	5	6	4	10	6	6	9
27	8	8	15	6	6	6	11	6	5	11
28	8	10	13	6	8	7	10	5	5	12
29	10	12	13	9	13	11	12	9	5	9
30	12	14	14	5	8	11	10	7	5	9
MEANS	9	8	9	5	6	6	8	2	2	6

CLIMATOLOGICAL SUMMARY

NUMBER OF DAYS FOR THE CASES OF PHENOMENA :

STATIONS	RAIN	SNOW	HAIL	THUNDER STORM	FOG	MIST	HAZE	RISING DUST	SUSPENDED DUST	DUST STORM	GROUND FROST.	STATE OF SKY CLEAR	STATE OF SKY CLOUDY
SINJAR	9	0	0	1	0	0	0	0	0	0	0	2	3
MOSUL	9	0	1	3	0	0	0	2	5	1	0	3	6
KIRKUK	7	0	0	5	0	1	6	2	3	0	0	5	7
KHANAQIN	4	0	0	0	0	0	1	3	0	0	0	5	11
RUTBAH	0	0	0	2	0	0	0	7	0	0	0	8	1
HABBANIYA	1	0	0	1	0	0	0	5	2	0	0	8	5
BAGHDAD	1	0	0	1	0	0	12	8	4	1	0	7	3
KHALIS	1	0	0	1	0	0	0	5	3	0	0	6	3
HAI	4	0	0	1	0	0	1	3	5	0	0	8	3
NAJAF	2	0	0	0	0	0	0	5	1	2	0	9	3
DIWANIYA	3	0	0	2	0	0	0	5	5	2	0	10	1
NASIRIYA	3	0	0	4	0	0	2	5	15	0	0	10	1
BASRAH	7	0	0	5	0	1	0	2	5	0	0	9	1

TABLE 4B-8.

DURATION OF SUNSHINE :

STATIONS	MONTHLY TOTAL SUNSHINE-HOURS	MAX. SUNSHINE DURING ONE DAY HOURS	MAX. SUNSHINE DURING ONE DAY DAY	No. OF DAYS WITHOUT SUNSHINE
MOSUL	253.4	13.4	26th	1
KARBALA	278.5	13.2	23&24th	2
BAGHDAD	267.3	12.8	25th	2
BASRAH	259.2	12.6	25th	0

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RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BAGHDAD AIR PORT

	1000 MILLIBARS					850 MILLIBARS				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	149	24.3	8.3	25	04	1535	10.8	-3.0	25	04
2	123	16.4	14.0	-	-	1491	9.2	5.0	-	-
3	134	23.7	8.2	30	14	1517	9.9	-2.7	28	16
4	159	22.7	10.5	32	09	1539	9.6	6.0	33	14
5	153	24.2	8.0	00	00	1545	13.0	-1.0	35	09
6	106	29.6	14.4	16	10	1516	15.3	3.2	17	13
7	069	23.9	16.7	-	-	1457	11.3	6.4	-	-
8	069	26.0	15.6	26	08	1458	11.3	0.2	24	14
9	107	23.0	14.2	29	10	1483	8.5	1.7	29	12
10	116	23.7	4.0	29	10	1494	9.1	-4.8	30	12
11	098	26.0	10.4	18	10	1498	12.9	-3.6	20	15
12	123	30.4	17.8	23	10	1532	15.3	-2.0	26	14
13	082	27.2	7.0	27	16	1476	11.5	4.4	27	24
14	128	26.7	8.3	30	13	1519	11.2	2.4	30	22
15	112	27.8	10.3	00	00	1515	17.3	5.2	30	16
16	041	28.8	21.7	18	05	1466	20.4	6.7	-	-
17	074	31.0	-	29	06	1489	15.0	-	28	11
18	096	28.7	9.3	30	17	1497	14.1	-1.5	32	18
19	090	31.3	-	04	11	1506	16.8	-	02	11
20	066	29.1	11.3	18	15	1474	16.0	2.2	17	37
21	089	25.5	14.3	35	12	1479	12.3	6.3	27	09
22	110	28.3	11.0	30	11	1521	13.8	2.8	28	21
23	110	28.3	9.9	27	08	1505	12.3	-6.3	28	11
24	080	31.0	12.2	05	08	1495	16.7	2.4	04	18
25	084	28.9	10.0	12	05	1492	14.8	0.2	12	03
26	114	33.1	8.5	00	00	1537	18.2	0.6	29	04
27	115	35.2	4.5	28	04	1555	20.8	-4.4	33	08
28	093	35.5	11.0	18	13	1532	19.8	0.2	16	18
29	090	32.9	11.5	33	07	1518	19.0	3.2	31	12
30	096	35.2	17.2	19	05	1528	22.2	13.0	24	14
n DAY	30	30	28	28	28	30	30	28	27	27
MEANS	103	28.0	11.4	27	04	1506	14.3	1.5	27	07
MAX.	159	35.5	21.7	30	17	1555	22.2	13.0	17	37
MIN.	041	16.4	4.0	00	00	1457	8.5	-6.3	12	03

Notes: 1- North and East components of the wind have been used for the computation of the mean vector wind for the month .

2- N of DAY : number of days .

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200GMT.) AT BAGHDAD AIR PORT

	700 MBS.					500 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	3123	1.2	-11.0	19	08	5727	-18.0	-25.0	24	27
2	3065	-2.3	-2.3	-	-	5648	-20.2	-23.3	-	-
3	3095	-1.3	-11.8	25	27	5688	-20.2	-40.8	27	40
4	3128	1.0	-20.8	32	23	5740	-18.0	-34.4	32	24
5	3157	5.0	-13.2	31	12	5804	-12.0	-22.7	28	19
6	3126	5.8	-1.0	22	25	5776	-12.5	-25.6	26	27
7	3055	2.6	-1.3	-	-	5680	-16.0	-20.2	-	-
8	3046	0.2	-14.0	22	20	5655	-17.2	-34.8	24	58
9	3056	-1.5	-6.4	26	28	5667	-16.4	-23.0	26	58
10	3070	0.1	-16.6	27	23	5680	-18.8	-34.2	25	44
11	3083	-1.2	-5.5	24	23	5673	-17.1	-24.0	-	-
12	3134	0.8	-12.3	27	23	5737	-18.3	-27.8	27	28
13	3071	2.3	-11.7	28	46	5697	-16.7	-31.2	28	87
14	3110	2.6	-12.5	30	32	5742	-15.4	-27.2	30	70
15	3135	5.4	-5.5	30	32	5785	-13.6	-20.0	-	-
16	3094	5.2	-2.2	-	-	5739	-14.2	-16.8	-	-
17	3095	3.7	-	23	22	5742	-15.1	-	25	26
18	3109	5.6	-11.0	32	18	5762	-12.8	-32.8	32	29
19	3118	3.0	-	33	16	5745	-15.3	-	26	30
20	3082	2.0	-6.1	21	26	5708	-15.1	-17.9	-	-
21	3069	-0.5	-6.4	24	05	5660	-20.2	-25.6	-	-
22	3102	-3.0	-10.4	27	30	5697	-18.1	-29.0	29	72
23	3097	3.9	-17.8	28	12	5727	-16.5	-33.1	29	33
24	3119	6.7	-9.9	02	15	5765	-15.2	-27.6	32	24
25	3090	4.2	-11.0	12	03	5738	-13.6	-29.7	00	00
26	3149	2.0	-7.5	31	04	5792	-14.8	-31.0	30	21
27	3193	8.0	-16.3	32	13	5874	-11.8	-33.0	30	14
28	3177	9.3	-16.2	21	25	5849	-10.9	-33.0	25	37
29	3155	8.8	-7.1	27	24	5832	-12.0	-25.0	26	35
30	3178	9.8	-4.0	25	42	5846	-13.2	-21.1	28	41
n DAY	30	30	28	27	27	30	30	28	23	23
MEANS	3109	3.0	-9.7	27	17	5739	-15.6	-27.5	28	34
MAX.	3193	9.8	-1.0	28	46	5874	-10.9	-16.8	28	87
MIN.	3046	-3.0	-20.8	12	03	5648	-20.2	-40.8	00	00

APRIL 1966. TABLE 19 c.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BAGHDAD AIR PORT

	400 MBS.					300 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	7355	-29.7	-36.4	24	40	9337	-46.0	-53.0	-	-
2	7260	-32.0	-34.0	-	-	9224	-48.3	-51.1	-	-
3	7298	-33.1	-47.7	28	64	9255	-47.3	-59.9	-	-
4	7368	-30.3	-44.5	31	45	9345	-46.5	-58.0	31	64
5	7464	-25.8	-37.1	27	27	9476	-42.0	-50.8	28	41
6	7430	-28.0	-38.0	26	42	9442	-41.2	-50.6	26	80
7	7328	-26.8	-34.5	-	-	9344	-41.7	-45.5	-	-
8	7292	-28.8	-45.4	24	63	9286	-43.3	-58.3	-	-
9	7309	-27.7	-42.0	26	76	9309	-43.4	-62.2	27	98
10	7306	-30.0	-44.3	25	60	9286	-46.2	-58.4	25	70
11	7313	-43.9	-52.1	-	-	9313	-43.9	-52.1	-	-
12	7358	-32.5	-41.7	26	45	9339	-45.2	-54.3	25	56
13	7335	-28.8	-45.4	27	100	9335	-42.3	-	-	-
14	7385	-27.9	-38.8	30	90	9382	-44.2	-54.4	30	114
15	7443	-25.1	-32.2	-	-	9469	-40.4	-46.6	-	-
16	7399	-24.3	-27.0	-	-	9432	-39.7	-42.8	-	-
17	7388	-27.0	-	-	-	9403	-40.8	-	-	-
18	7420	-26.4	-44.5	32	32	9429	-43.3	-59.2	31	56
19	7387	-28.0	-	26	55	9392	-42.0	-	26	72
20	7358	-27.0	-31.8	-	-	9368	-42.1	-45.7	-	-
21	7278	-31.1	-35.7	-	-	9268	-42.3	-48.9	-	-
22	7335	-28.0	-38.7	28	102	9335	-42.7	-51.9	28	120
23	7365	-28.7	-44.0	30	45	9363	-43.2	-56.8	28	101
24	7409	-28.7	-40.4	32	25	9389	-45.3	-55.8	29	43
25	7396	-25.8	-41.0	29	37	9409	-42.2	-55.4	28	43
26	7443	-26.5	-42.0	30	49	9451	-42.6	-56.0	30	64
27	7540	-25.0	-44.8	28	44	9562	-41.0	-	30	43
28	7520	-24.2	-43.7	26	30	9549	-40.8	-58.2	-	-
29	7498	-24.4	-34.7	26	58	9528	-39.6	-48.2	-	-
30	7513	-24.3	-32.2	29	55	9543	-40.0	-47.0	30	77
n DAY	30	30	28	22	22	30	30	26	16	16
MEANS	7383	-28.3	-39.8	27	50	9385	-43.0	-53.1	28	68
MAX.	7540	-24.2	-27.0	28	102	9562	-39.6	-42.8	28	120
MIN.	7260	-43.9	-47.7	32	25	9224	-48.3	-62.2	28	41

APRIL 1966. TABLE 19 d. (27)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (1200GMT.)AT BAGHDAD AIR PORT

	200 MBS.					150 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	11921	-58.2	-64.8	-	-	13753	-55.7	-62.4	-	-
2	11803	-57.3	-60.7	-	-	13643	-54.6	-59.8	-	-
3	11882	-52.5	-64.8	-	-	13746	-51.2	-64.1	-	-
4	11929	-61.4	-	30	87	13746	-55.8	-	-	-
5	12100	-61.6	-69.6	27	62	13862	-63.2	-	28	68
6	12074	-61.0	-68.8	26	60	13840	-62.7	-69.7	-	-
7	11972	-61.7	-69.0	-	-	13732	-62.8	-69.0	-	-
8	11917	-59.1	-	-	-	13725	-55.2	-	-	-
9	11931	-61.6	-	-	-	13754	-53.0	-	-	-
10	11870	-59.0	-70.4	25	114	13696	-56.0	-67.4	25	11
11	11941	-51.2	-59.8	-	-	13809	-52.9	-62.5	-	-
12	11961	-54.8	-	-	-	13823	-53.8	-	-	-
13	12002	-51.8	-	-	-	13851	-54.1	-	-	-
14	11997	-61.7	-	-	-	13772	-63.7	-	-	-
15	12101	-62.2	-67.0	-	-	13843	-66.1	-72.0	-	-
16	12081	-59.0	-62.2	-	-	13875	-58.3	-61.8	-	-
17	12056	-50.7	-	-	-	13928	-53.9	-	-	-
18	12049	-48.5	-64.0	-	-	13981	-53.1	-68.1	-	-
19	12032	-57.0	-	26	116	13865	-55.3	-	26	115
20	11986	-57.8	-64.8	-	-	13814	-55.1	-59.9	-	-
21	11935	-50.5	-57.2	-	-	13793	-54.9	-61.3	-	-
22	11995	-51.7	-61.0	-	-	13853	-53.9	-63.0	-	-
23	12006	-56.3	-	-	-	13849	-57.3	-	-	-
24	12026	-51.2	-61.6	29	104	13872	-57.3	-67.3	-	-
25	12045	-56.0	-67.7	29	71	13855	-59.2	-	28	94
26	12097	-56.5	-68.2	29	74	13919	-57.2	-69.4	-	-
27	12199	-58.9	-	29	72	13999	-57.2	-	-	-
28	12201	-57.8	-	-	-	13999	-57.1	-	-	-
29	12174	-52.8	-66.6	-	-	13964	-60.5	-68.3	-	-
30	12196	-58.2	-64.7	-	-	13972	-65.4	-	-	-
n DAY	30	30	19	9	9	30	30	16	4	4
MEANS	12016	-56.6	-64.9	28	80	13838	-57.2	-65.4	-	-
MAX.	12201	-48.5	-57.2	26	116	13999	-52.9	-59.8	26	115
MIN.	11803	-62.2	-70.4	26	60	13643	-66.1	-72.0	25	11

APRIL 1966 . TABLE 19 e.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BAGHDAD AIR PORT

	100 MBS.					70 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	16320	-57.8	-64.9	-	-	18569	-59.0	-66.0	-	-
2	16225	-57.0	-64.0	-	-	-	-	-	-	-
3	16357	-56.8	-59.2	-	-	18616	-57.1	-69.4	-	-
4	16317	-57.3	-	-	-	18535	-62.3	-	-	-
5	16376	-59.8	-68.4	28	42	18596	-61.7	-70.6	-	-
6	16345	-63.9	-	-	-	18550	-62.0	-	-	-
7	16212	-65.7	-	-	-	18380	-64.5	-	-	-
8	16271	-62.2	-	-	-	18465	-62.3	-	-	-
9	16401	-50.0	-	-	-	18725	-51.3	-	-	-
10	16236	-62.3	-	-	-	18454	-59.2	-	-	-
11	16379	-61.6	-	-	-	18579	-63.0	-	-	-
12	16378	-64.9	-	-	-	18560	-59.4	-	-	-
13	16381	-64.8	-	-	-	-	-	-	-	-
14	16294	-61.5	-	-	-	-	-	-	-	-
15	16323	-63.2	-68.7	-	-	18519	-62.8	-68.2	-	-
16	16395	-62.8	-	-	-	18601	-61.5	-	-	-
17	16471	-64.7	-	-	-	-	-	-	-	-
18	16521	-64.4	-	-	-	-	-	-	-	-
19	16415	-62.5	-	-	-	18587	-67.5	-	-	-
20	16386	-59.8	-64.7	-	-	18602	-59.8	-64.9	-	-
21	16353	-60.4	-67.0	-	-	18563	-62.0	-68.4	-	-
22	16403	-61.5	-70.2	-	-	18618	-60.3	-69.4	-	-
23	16389	-61.8	-	-	-	18599	-59.4	-	-	-
24	16410	-61.2	-	-	-	18625	-60.8	-	-	-
25	16377	-61.6	-	28	80	18587	-61.6	-	28	64
26	16439	-62.9	-	-	-	18631	-63.9	-	-	-
27	16541	-63.7	-	-	-	18727	-63.6	-	-	-
28	16515	-63.0	-	-	-	-	-	-	-	-
29	16495	-60.0	-68.0	-	-	18727	-61.0	-69.2	-	-
30	16484	-60.6	-67.6	-	-	18704	-60.7	-67.6	-	-
n DAY	30	30	10	2	2	24	24	9	1	1
MEANS	16380	-61.3	-66.3	-	-	18588	-61.1	-68.2	-	-
MAX.	16541	-56.8	-59.2	28	80	18727	-51.3	-64.9		
MIN.	16212	-65.7	-70.2	28	42	18380	-67.5	-70.6	-	-

APRIL 1966. TABLE 19 f. (29)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BAGHDAD AIR PORT

	50 MBS.					30 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	20673	-58.8	-66.0	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-
4	20643	-56.2	-	-	-	-	-	-	-	-
5	20706	-56.1	-65.6	-	-	23952	-56.2	-65.7	-	-
6	20635	-56.9	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	20535	-62.3	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	20575	-57.3	-	-	-	23785	-59.0	-	-	-
11	20670	-58.0	-	-	-	23920	-55.3	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	20603	-58.9	-64.8	-	-	23553	-55.0	-61.4	-	-
16	20692	-60.0	-64.5	-	-	23904	-56.4	-63.0	-	-
17	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	20650	-62.5	-	-	-	23860	-56.6	-	-	-
20	20710	-60.2	-66.4	-	-	23910	-57.8	-64.8	-	-
21	20648	-60.2	-67.0	-	-	23878	-55.0	-67.5	-	-
22	20700	-61.0	-69.9	-	-	23920	-56.6	-66.0	-	-
23	-	-	-	-	-	-	-	-	-	-
24	20722	-59.8	-	-	-	-	-	-	-	-
25	20665	-61.8	-	28	56	23845	-59.2	-	-	-
26	20705	-61.5	-	-	-	-	-	-	-	-
27	20807	-59.6	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-
29	20820	-59.0	-67.3	-	-	24085	-52.1	-	-	-
30	20798	-60.1	-67.2	-	-	23991	-59.2	-66.2	-	-
n DAY	19	19	9	1	1	12	12	7	0	0
MEANS	20682	-59.5	-66.5	-	-	23884	-56.5	-64.9	-	-
MAX.	20820	-56.1	-64.5	-	-	24085	-52.1	-61.4	-	-
MIN.	20535	-62.5	-69.9	-	-	23553	-59.2	-67.5	-	-

APRIL 1966. TABLE 19 g. (30)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BAGHDAD AIR PORT

	20 MBS.					10 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-
5	26529	-55.8	-65.2	-	-	30977	-52.6	-62.2	-	-
6	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	26355	-54.9	-67.0	-	-	30855	-48.5	-61.8	-	-
11	26515	-53.8	-64.0	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	26441	-55.2	-64.8	-	-	30849	-57.0	-63.2	-	-
16	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-
20	26470	-57.3	-64.4	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-
25	26415	-54.4	-66.2	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-
29	26753	-45.0	-	-	-	-	-	-	-	-
30	26571	-52.8	-60.3	-	-	-	-	-	-	-
n DAY	8	8	7	0	0	3	3	3	0	0
MEANS	26506	-53.7	-64.6			30894	-52.7	-62.4	-	-
MAX.	26753	-45.0	-60.3	-	-	30977	-48.5	-61.8	-	-
MIN.	26355	-57.3	-67.0	-	-	30849	-57.0	-63.2	-	-

APRIL 1966. TABLE 19 h (31)

RADIOSONDE STATION BAGHDAD 1200 GMT.

	F. LEVEL.			TROP.				TOP.			
DAYS	HHHH	P	U	HHHH	P	T	U	HHHH	P	T	U
1	3280	687	45	11470	216	-61.3	44	20660	50	-58.8	40
2	2740	728	100	10470	247	-58.6	70	16890	90	-57.4	38
3	2920	718	48	10530	243	-54.0	21	19280	63	-57.1	20
4	3400	678	18	11929	200	-61.4	23	20643	50	-56.2	20
5	3800	648	33	12620	184	-65.3	34	30977	10	-52.6	30
6	3870	637	72	12700	182	-65.2	37	20635	50	-56.9	30
7	3400	670	75	12610	180	-66.4	45	18380	70	-64.5	40
8	3090	698	33	12450	185	-60.5	17	20535	50	-62.3	-
9	2770	726	70	11931	200	-61.6	20	18725	70	-51.3	14
10	3100	698	26	11340	218	-61.0	24	30855	10	-48.5	20
11	2940	713	68	11520	216	-56.0	40	28369	15	-52.5	28
12	3210	694	37	10840	238	-54.6	35	18560	70	-59.4	-
13	3420	668	35	11620	213	-53.5	-	16381	100	-64.8	-
14	3540	666	31	12220	193	-63.3	24	16294	100	-61.5	-
15	3910	638	46	12850	178	-68.2	50	33402	07	-58.0	45
16	3760	648	68	12850	177	-63.5	65	23904	30	-56.7	55
17	3930	633	-	11450	222	-57.2	-	16471	100	-64.2	-
18	4000	636	21	10940	240	-51.4	15	17161	90	-66.3	-
19	3480	670	-	11730	210	-57.8	-	23860	30	-56.6	-
20	3340	677	62	11760	207	-59.5	60	26470	20	-57.3	40
21	3000	707	64	10880	236	-51.2	45	26478	20	-53.3	40
22	2800	729	55	10750	243	-51.5	32	23920	30	-56.6	30
23	3620	658	25	12006	200	-56.3	-	18599	70	-59.4	-
24	3860	638	31	11440	220	-54.0	28	20722	50	-59.8	-
25	3870	636	30	12720	180	-59.0	22	28271	15	-51.4	22
26	3740	651	38	12097	200	-56.5	22	22095	40	-59.3	20
27	4446	600	15	11890	210	-58.7	-	21468	45	-58.0	-
28	4230	613	17	13200	172	-63.2	-	16515	100	-63.0	-
29	4200	609	33	13000	176	-62.0	36	26753	20	-45.0	32
30	4270	612	46	12960	177	-62.7	45	27311	18	-51.2	40
n DAY	30	30	28	30	30	30	24	30	30	30	19
MEANS	3531	666	44	11896	205	-59.2	36	22353	49	-57.3	32
MAX.	4446	600	100	13200	172	-51.2	70	33402	07	-45.0	55
MIN.	2740	729	15	10470	247	-68.2	15	16294	100	-66.3	14

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.)AT BASRAH AIR PORT

	1000 MBS.					850 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	148	23.9	3.1	32	07	1542	14.6	-5.2	29	08
2	117	23.1	8.1	06	18	1504	13.3	2.9	16	18
3	112	24.8	9.1	31	12	1499	13.0	2.0	34	11
4	154	23.5	3.4	31	12	1535	10.0	-5.5	33	18
5	135	25.6	9.0	29	06	1527	13.4	-1.8	35	08
6	100	26.8	4.0	14	08	1503	16.4	2.2	22	06
7	056	30.0	4.4	15	20	1467	15.8	-3.2	13	28
8	072	28.2	12.1	13	09	1474	14.9	6.6	21	06
9	089	27.5	7.2	31	18	1489	14.0	3.8	32	08
10	120	25.1	5.2	35	12	1514	14.9	-7.8	28	12
11	085	28.0	9.3	04	05	1501	14.2	2.9	06	03
12	103	30.0	11.0	13	08	1511	13.6	4.6	24	10
13	070	31.9	5.9	31	21	1494	19.0	-3.9	26	21
14	-	-	-	-	-	-	-	-	-	-
15	088	28.0	11.0	30	16	1495	17.8	-7.8	36	20
16	058	36.5	4.5	16	07	1502	22.8	-3.8	22	13
17	063	32.0	12.7	36	13	1489	18.8	4.0	04	12
18	073	30.1	12.6	32	20	1485	15.2	3.2	30	21
19	068	31.2	13.1	31	14	1497	21.0	-5.1	31	08
20	057	32.7	1.4	17	15	1482	19.4	-5.0	17	12
21	064	32.5	9.1	10	12	1479	16.2	3.7	10	11
22	102	27.1	7.1	30	14	1498	14.4	-5.5	30	20
23	088	28.7	4.9	32	17	1495	15.5	-4.5	28	17
24	056	29.6	10.0	30	17	1466	15.8	-6.9	32	10
25	079	31.9	4.4	31	11	1496	17.4	-5.2	25	11
26	114	31.8	7.5	31	11	1532	16.9	-5.7	11	02
27	102	33.6	8.0	29	14	1534	19.4	-1.2	33	10
28	103	35.9	2.0	17	12	1533	20.0	-7.6	17	08
29	075	34.9	5.0	15	28	1514	23.0	-2.8	16	31
30	098	33.6	11.1	32	12	1538	22.9	-2.1	32	22
n DAY	29	29	29	29	29	29	29	29	29	29
MEANS	091	29.6	7.5	31	04	1503	16.7	-1.9	28	04
MAX.	154	36.5	13.1	15	28	1542	23.0	6.6	16	31
MIN.	056	23.1	1.4	04	05	1466	13.0	-7.8	11	02

APRIL 1966. TABLE 20b. (33)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GM T) AT BASRAH AIR PORT.

	700 MBS.					500 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	3153	4.0	-14.1	20	08	5787	-15.0	-32.9	20	16
2	3104	2.7	-5.0	22	30	5722	-18.7	-27.1	22	33
3	3083	-3.0	-15.9	28	18	5664	-20.0	-36.1	28	25
4	3123	1.0	-16.4	29	20	5726	-18.8	-35.0	30	25
5	3137	5.5	-15.7	30	13	5791	-13.6	-27.3	30	37
6	3120	3.8	0.0	27	06	5775	-11.8	-27.0	29	18
7	3099	7.8	-7.2	-	-	5760	-13.4	-18.8	-	-
8	3087	4.5	-2.0	25	28	5728	-14.0	-23.9	26	32
9	3104	3.3	-6.1	26	17	5759	-14.0	-32.8	25	40
10	3123	4.0	-10.2	28	20	5716	-26.1	-37.1	25	32
11	3103	2.0	-5.7	30	14	5728	-15.1	-24.6	28	31
12	3105	-0.2	-10.3	27	13	5695	-19.0	-30.8	26	22
13	3118	4.9	-10.8	26	26	5751	-16.0	-29.8	28	38
14	-	-	-	-	-	-	-	-	-	-
15	3126	7.3	-7.5	32	38	5795	-10.8	-23.8	30	24
16	3152	9.5	-12.5	24	09	5826	-13.5	-20.2	24	16
17	3116	6.1	-3.8	21	22	5774	-13.1	-16.5	-	-
18	3095	5.0	-14.3	32	20	5734	-14.9	-31.8	32	25
19	3142	8.7	-15.8	30	04	5826	-9.4	-34.0	27	19
20	3115	8.1	-13.6	17	13	5782	-12.2	-16.0	-	-
21	3094	4.0	-3.9	19	26	5735	-15.5	-30.0	-	-
22	3113	4.8	-19.0	24	20	5763	-14.3	-37.7	27	38
23	3105	4.6	-18.2	30	23	5761	-13.0	-37.4	28	47
24	3079	5.3	-13.0	33	17	5753	-11.0	-30.7	32	28
25	3114	4.9	-16.1	28	10	5859	-14.0	-34.0	30	25
26	3149	6.1	-20.2	29	13	5801	-14.0	-36.8	29	34
27	3162	7.0	-14.3	31	10	5828	-12.8	-33.5	32	38
28	3168	7.8	-12.1	34	09	5831	-12.8	-28.6	30	26
29	3170	11.9	-11.9	26	17	5859	-11.5	-21.8	25	27
30	3180	8.8	-10.4	32	22	5860	-10.5	-25.8	30	35
n DAY	29	29	29	28	28	29	29	29	25	25
MEANS	3122	4.8	-11.2	27	13	5772	-14.4	-29.0	28	25
MAX.	3180	11.9	0.0	32	38	5860	-9.4	-16.0	28	47
MIN.	3079	-3.0	-20.2	30	04	5664	-26.1	-37.7	24	16

APRIL 1966. TABLE 20c. (34)

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.)AT BASRAH AIR PORT.

	400 MBS.					300 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	7437	-24.0	-30.4	-	-	9478	-38.2	-43.6	-	-
2	7345	-30.6	-40.7	23	31	9330	-44.1	-	20	32
3	7280	-31.6	-46.3	29	27	9246	-47.0	-	29	30
4	7353	-30.2	-43.0	30	30	9333	-46.0	-	29	48
5	7451	-26.0	-38.5	28	32	9469	-41.0	-52.7	28	54
6	7442	-24.6	-39.5	28	30	9472	-40.9	-	27	35
7	7420	-25.0	-30.0	-	-	9478	-37.0	-44.4	-	-
8	7378	-25.1	-37.1	26	56	9400	-40.0	-50.5	27	50
9	7417	-26.0	-43.6	25	45	9437	-41.5	-	25	72
10	7284	-39.9	-52.7	26	45	9194	-52.1	-	26	74
11	7379	-25.9	-36.7	27	40	9401	-40.0	-51.0	26	36
12	7323	-30.6	-33.6	25	35	9323	-41.9	-	25	46
13	7397	-26.0	-40.0	-	-	9426	-38.9	-50.7	-	-
14	-	-	-	-	-	-	-	-	-	-
15	7462	-25.4	-39.5	30	20	9484	-41.3	-	29	27
16	7492	-25.0	-35.9	25	28	9514	-40.3	-	-	-
17	7440	-24.0	-27.0	-	-	9491	-37.1	-42.0	-	-
18	7400	-28.5	-45.2	33	36	9412	-40.1	-55.0	34	35
19	7506	-21.0	-43.4	26	33	9566	-36.0	-52.4	28	39
20	7448	-24.4	-29.7	-	-	9473	-39.3	-45.0	-	-
21	7377	-28.0	-45.4	-	-	9387	-41.6	-	-	-
22	7410	-27.4	-48.4	26	50	9425	-40.2	-58.8	27	70
23	7421	-25.4	-45.3	29	55	9452	-39.4	-57.0	29	83
24	7423	-25.0	-44.3	30	30	9443	-40.1	-	29	68
25	7409	-25.8	-45.2	28	34	9432	-39.8	-59.9	28	62
26	7451	-28.0	-48.9	29	46	9511	-41.4	-	29	55
27	7486	-26.8	-	31	39	9524	-34.9	-	30	37
28	7497	-24.9	-40.1	30	26	9522	-41.4	-54.4	30	47
29	7524	-24.0	-35.0	24	36	9565	-38.0	-47.1	-	-
30	7536	-23.1	-37.9	31	32	9587	-36.5	-50.3	-	-
n DAY	29	29	28	23	23	29	29	16	20	20
MEANS	7420	-26.6	-40.1	28	33	9441	-40.6	-50.9	28	46
MAX.	7536	-21.0	-27.0	29	55	9587	-34.9	-42.0	29	83
MIN.	7280	-39.9	-52.7	30	20	9194	-52.1	-59.9	29	27

APRIL 1966. TABLE 20d.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS (.2000MT.) AT BASRAH AIR PORT

	200 MBS.					150 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	-	-	-	-	-	-	-	-	-	-
2	11950	-54.6	-	-	-	13812	-52.0	-	-	-
3	11854	-57.0	-	27	47	13670	-58.3	-	26	59
4	11950	-55.1	-	-	-	13790	-53.9	-	-	-
5	12112	-57.0	-	-	-	-	-	-	-	-
6	12104	-59.0	-	-	-	-	-	-	-	-
7	12150	-60.3	-	-	-	13925	-63.4	-	-	-
8	12054	-58.0	-	-	-	13844	-59.0	-	-	-
9	12127	-51.9	-	-	-	13947	-60.6	-	-	-
10	11734	-62.0	-	-	-	13514	-62.3	-	-	-
11	12077	-56.9	-	24	53	13896	-60.5	-	-	-
12	11958	-60.0	-	24	53	-	-	-	-	-
13	12115	-50.6	-	-	-	13976	-56.0	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	12122	-56.7	-	28	47	-	-	-	-	-
16	12168	-58.5	-	-	-	13980	-59.8	-	-	-
17	12162	-55.8	-	-	-	14004	-56.0	-	-	-
18	12116	-45.5	-	-	-	14008	-52.8	-	-	-
19	12260	-52.2	-	-	-	14116	-54.8	-	-	-
20	12125	-56.0	-	-	-	13967	-56.6	-	-	-
21	12031	-55.5	-	-	-	13861	-56.4	-	-	-
22	12073	-54.5	-	-	-	13904	-56.2	-	-	-
23	12132	-52.4	-	28	110	13986	-50.9	-	-	-
24	12131	-51.6	-	-	-	13982	-55.1	-	-	-
25	12112	-51.6	-	27	64	13960	-56.6	-	-	-
26	12162	-55.5	-	-	-	13993	-57.1	-	-	-
27	12296	-45.0	-	-	-	14151	-58.1	-	-	-
28	-	-	-	-	-	-	-	-	-	-
29	12235	-57.8	-	-	-	-	-	-	-	-
30	12273	-56.6	-	-	-	14051	-66.5	-	-	-
n DAY	27	27	0	6	6	22	22	0	1	1
MEANS	12096	-55.1	-	-	-	13924	-57.4	-	-	-
MAX.	12296	-45.0	-	28	110	14151	-50.9	-	-	-
MIN.	11734	-62.0	-	28	47	13514	-66.5	-	-	-

APRIL 1966. TABLE 20e.

RADIOSONDE OBSERVATIONS AT STANDARD LEVELS(1200GMT.) AT BASRAH AIR PORT

	100 MBS.					70 MBS.				
DAYS	HHHH	TT	TdTd	dd	ff	HHHH	TT	TdTd	dd	ff
1	-	-	-	-	-	-	-	-	-	-
2	16384	-60.3	-	-	-	18614	-60.0	-	-	-
3	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	16465	-60.0	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-
11	16410	-62.8	-	-	-	18601	-63.1	-	-	-
12	-	-	-	-	-	-	-	-	-	-
13	16501	-61.4	-	-	-	18717	-60.6	-	-	-
14	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-
16	16458	-64.3	-	-	-	18633	-63.4	-	-	-
17	16514	-63.2	-	-	-	18704	-63.8	-	-	-
18	-	-	-	-	-	-	-	-	-	-
19	16660	-64.0	-	-	-	18812	-68.3	-	-	-
20	16522	-59.5	-	-	-	18712	-66.2	-	-	-
21	16406	-62.1	-	-	-	18591	-66.2	-	-	-
22	-	-	-	-	-	-	-	-	-	-
23	16543	-61.8	-	-	-	18741	-64.4	-	-	-
24	16522	-59.4	-	-	-	-	-	-	-	-
25	16500	-61.6	-	-	-	-	-	-	-	-
26	16513	-62.9	-	-	-	18683	-63.9	-	-	-
27	16681	-62.3	-	-	-	18863	-65.8	-	-	-
28	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-
30	16526	-62.4	-	-	-	18736	-61.5	-	-	-
n DAY	15	15	-	-	-	12	12	-	-	-
MEANS	16507	-61.7	-	-	-	18701	-63.9	-	-	-
MAX.	16681	-59.4	-	-	-	18863	-60.0	-	-	-
MIN.	16384	-64.3	-	-	-	18591	-68.3	-	-	-