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From
Jamil Kheder.
Met. Department
Baghdad
IRAQ
J. Kheder

CONTENTS.

National Oceanic and Atmospheric Administration

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PREFACE

The project of publishing a Climatological Atlas for Iraq was under study since 1940.

Difficulties during wartime have prevented the publication of the Atlas. So in 1945 the Atlas was published under D.F. Booth Senior Met. Officer Baghdad Airport.

In the meantime all the copies of that Atlas have been distributed and many requests could not be satisfied.

Instead of reprinting the mentioned Atlas it has been decided to issue a completely new edition, using the Climatological Values up-to-date adding a number of new graphs following recommedations of WMO.

The datas used for the graphs are going to be published in detail in a special publication. The lack of the former Atlas due to inhomogenity of most of the observations and short-term informations could not be avoided completely in this issue, of coures, because the same datas have been used. But the fact, those datas at least 12 years more were available reduced the statistical error considerably, and it can be assumed, that the presented Atlas gives a quite accurate picture of the normal weather - conditions in Iraq.

ACKNOWLEDGEMENT

The Atlas has been prepared by the Climatological Section of the Meteorological Department at Baghdad-Airport under Sayid Naman Jamil Sultan. The elaborate calculations and the checking of all observations as well as all the copy work has been done by Sayid Andrawis Jamil Qashat, Farhan Abdul Karim Al Saad and Hanna Sadiq Shadda. The whole work was directed and supervised by Dr. Ernst Lingelbach.

My fullest Acknowledgement is tendered to all of them.

Towfiq Fattah
Director of Met. Department
Baghdad - Airport
IRAQ

Geographical Datas and
Period of records for the different observations used for the preparation of this Atlas
Precipitation, Temperature, Pressure, Humidity, Cloudiness, Thunderstorm, Fog, Dust and Wind

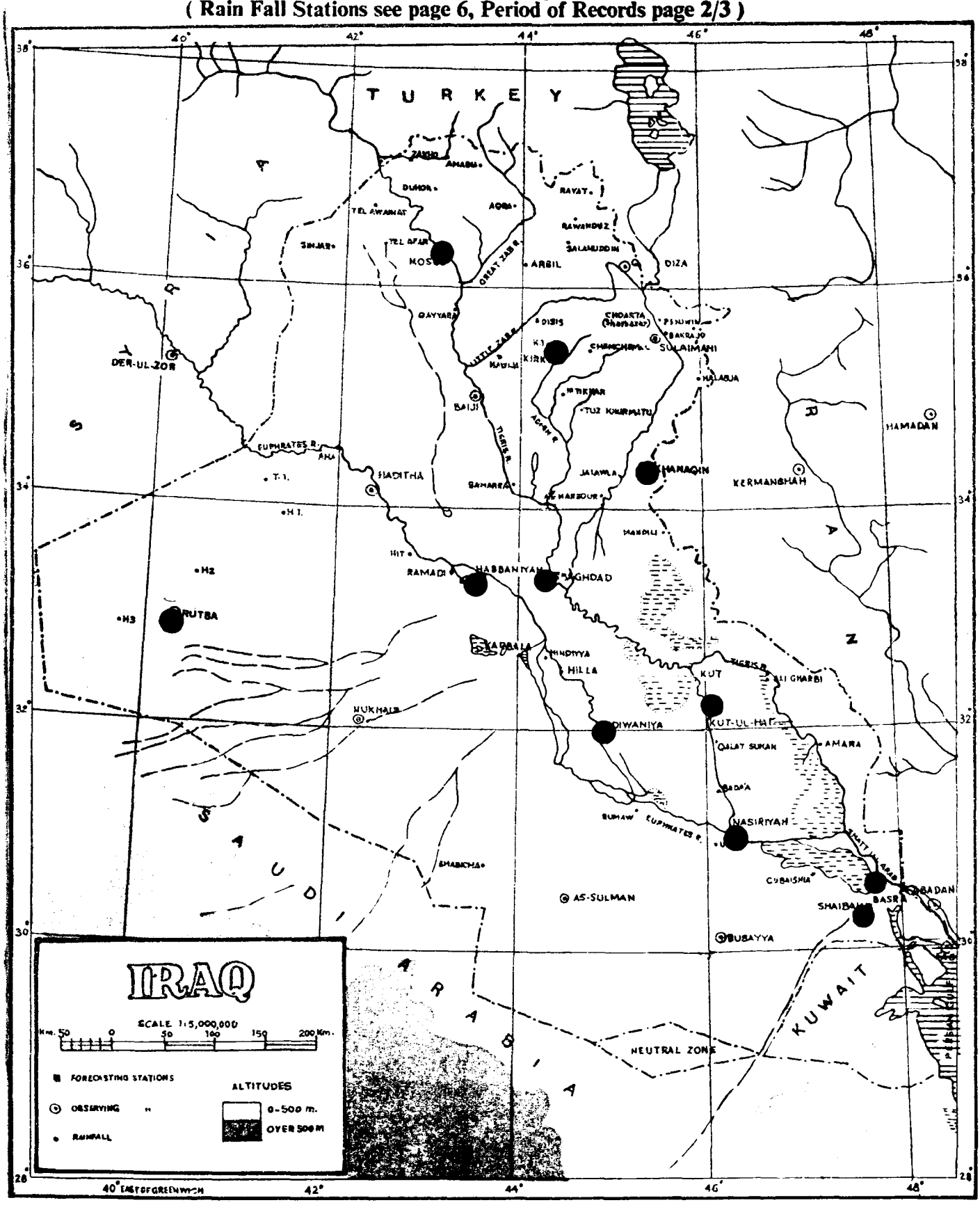
Observed at	Latitude	Longitude	Height above MSL in meters	Period
Mosul	36 19 N.	43 09 E.	222.6 m.	1923-1956
Kirkuk	35 28 N.	44 24 E.	330.8 m.	1935-1956
Khanaqin	34 18 N.	45 26 E.	201.2 m.	1936-1956
Baghdad	33 20 N.	44 24 E.	34.1 m.	1937-1956
Habbaniya	33 22 N.	43 34 E.	43.6 m.	1935-1956
Rutba	33 02 N.	40 17 E.	615.5 m.	1928-1956
Hai	32 10 N.	46 03 E.	14.9 m.	1940-1956
Diwaniya	31 59 N.	44 59 E.	20.4 m.	1939-1956
Nasiriya	31 01 N.	46 14 E.	3.0 m.	1940-1956
Basra	30 34 N.	47 47 E.	2.4 m.	1937-1956

Precipitation only

Observed at	Latitude	Longitude	Height above MSL in meters	Period
Zakho	37 08 N.	42 41 E.	442 m.	1935-1956
Amadia	37 05 N.	43 30 E.	1236 m.	1935-1956
Rawanduz	36 37 N.	44 33 E.	1006 m.	1935-1956
Aqra	36 45 N.	43 58 E.	716 m.	1935-1956
Telawainat	36 41 N.	42 24 E.	346 m.	1938-1956
Sinjar	36 19 N.	41 50 E.	476 m.	1935-1956
Telaafar	36 22 N.	42 28 E.	273 m.	1939-1956
Qayara	35 48 N.	43 17 E.	180 m.	1938-1946
Arbil	36 11 N.	44 00 E.	414 m.	1935-1956
Chamchamal	35 32 N.	44 51 E.	701 m.	1939-1956
Sulaimaniya	35 33 N.	45 27 E.	853 m.	1935-1956
Penjawin	35 37 N.	45 58 E.	1311 m.	1939-1956
Bakrajo	35 34 N.	45 23 E.	750 m.	1936-1956
Halabja	35 11 N.	45 59 E.	724 m.	1935-1956
Iftikhar	35 03 N.	44 27 E.	204 m.	1935-1956
Chuarta	35 44 N.	45 33 E.	1356 m.	1942-1956
Salahddin	36 37 N.	44 13 E.	1088 m.	1940-1956
Rayat	36 41 N.	44 57 E.	2610 m.	1942-1956
Sanat	36 46 N.	42 48 E.	— m.	1944-1956
Duhok	36 52 N.	43 02 E.	860 m.	1943-1956
Mirzarustam	36 03 N.	44 58 E.	459 m.	1945-1956
Shaqlawa	36 23 N.	44 20 E.	— m.	1945-1956
Sirsank	36 58 N.	43 32 E.	1046 m.	1945-1956
Binkird	36 03 N.	45 03 E.	708 m.	1952-1956
Tuz	34 53 N.	44 39 E.	220 m.	1935-1956
Ana	34 28 N.	41 27 E.	— m.	1935-1956
Diala (Sedor)	34 05 N.	45 01 E.	68 m.	1943-1956
Jalawlaa	34 16 N.	45 09 E.	119 m.	1935-1956
Hit	33 38 N.	42 50 E.	58 m	1952-1956
Karbalaa	32 37 N.	44 01 E.	29 m.	1935-1956

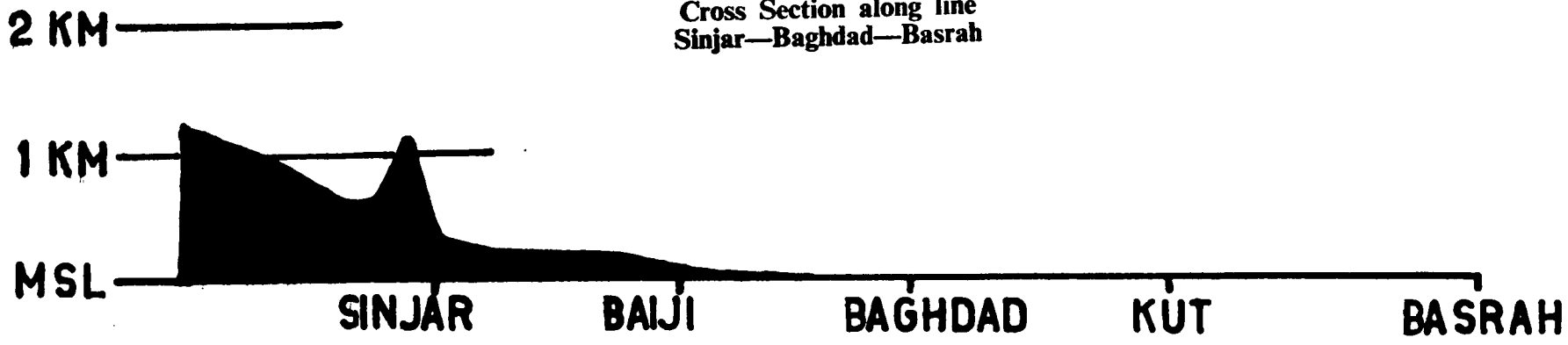
Observed at	Latitude			Longitude			Height above MSL in meters	Period
Hindiya	32	42	N.	44	17	E.	24 m.	1936-1956
Hilla	32	29	N.	44	26	E.	27 m.	1935-1956
Kut	32	30	N.	45	45	E.	19 m.	1935-1956
Mandily	33	45	N.	45	33	E.	137 m.	1935-1956
Nukhaib	32	02	N.	42	15	E.	305 m.	1935-1956
Amara	31	51	N.	47	10	E.	9 m.	1935-1956
Shabicha	30	42	N.	43	41	E.	— m.	1935-1956
Samawa	31	18	N.	45	16	E.	6 m.	1935-1956
Badaa	31	26	N.	46	11	E.	9 m.	1936-1956
Ur	30	58	N.	46	08	E.	4 m.	1935-1956
Ghabishiya	30	44	N.	47	05	E.	4 m.	1935-1956
Maqil	30	34	N.	47	47	E.	2 m.	1935-1956
Fao	29	59	N.	48	30	E.	2 m.	1935-1956
Bir Ugla	37	00	N.	42	13	E.	420 m.	1935-1940
Dibis	35	41	N.	44	05	E.	239 m.	1936-1946
Baiji	34	56	N.	43	29	E.	115 m.	1935-1944
Samirra	34	11	N.	43	50	E.	65 m.	1935-1951
Rumadi	33	25	N.	43	17	E.	48.7 m.	1923-1936
Haditha	34	04	N.	42	22	E.	140 m.	1934-1944
Hawijah	35	31	N.	44	18	E.	305 m.	1940-1956
T 1	34	13	N.	41	20	E.	318 m.	1936-1941
T 2	34	27	N.	40	10	E.	— m.	1936-1939
H 1	33	47	N.	41	28	E.	409 m.	1934-1944
H 2	33	21	N.	40	36	E	593 m.	1934-1944
H 3	32	57	N.	39	45	E.	13 m.	1934-1944
Qalat Sukar	31	52	N.	46	05	E.	13 m.	1934-1954
Ali al Gharbi	32	28	N.	46	41	E.	13 m.	1939-1947
Salman	30	28	N.	44	43	E.	202 m.	1935-1944
Bussaya	30	02	N.	46	09	E.	144 m.	1935-1944

MAP OF IRAQ
and
Main Observation Stationsof the Iraqi Meteorological Department
(Rain Fall Stations see page 6, Period of Records page 2/3)

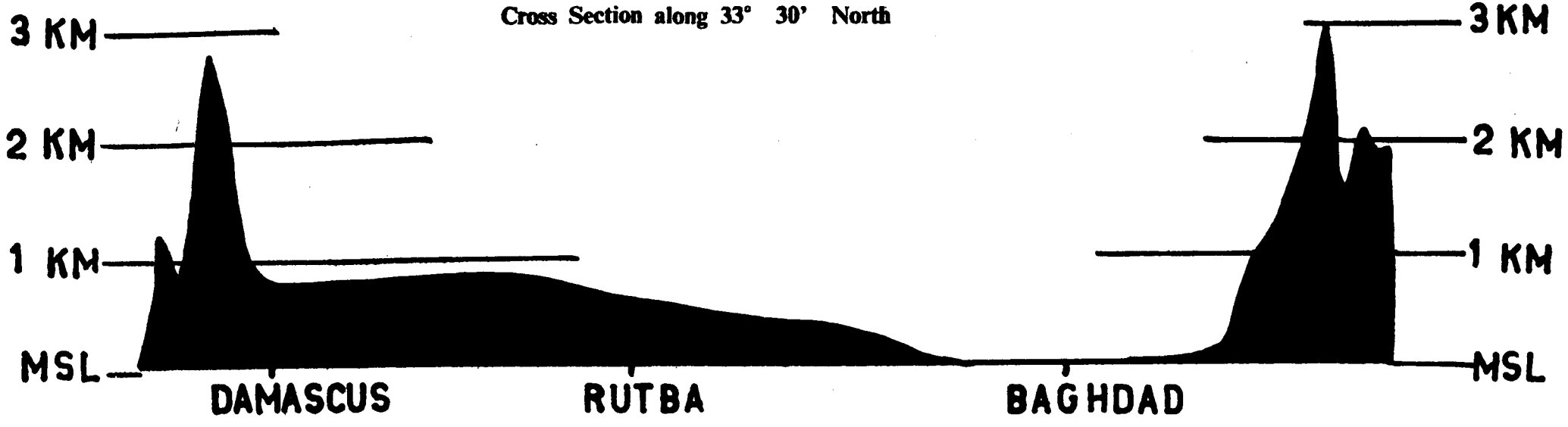


SURVEY PRESS. BAGHDAD.

THE VALLEY OF EUPHRATES AND TIGRIS
Cross Section along line
Sinjar—Baghdad—Basrah



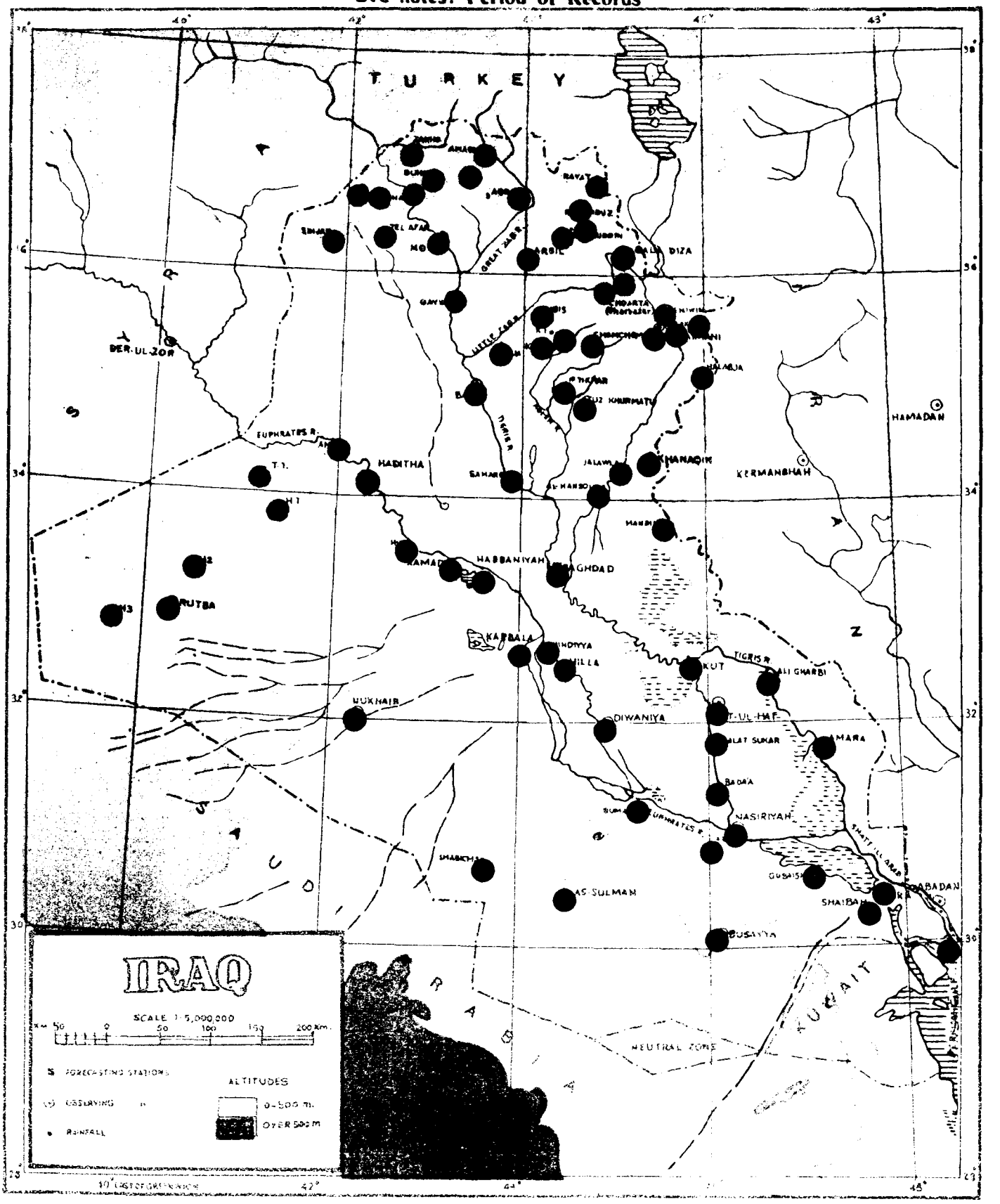
Cross Section along 33° 30' North



PRECIPITATION

Location of Rain—Gauges

See notes: Period of Records



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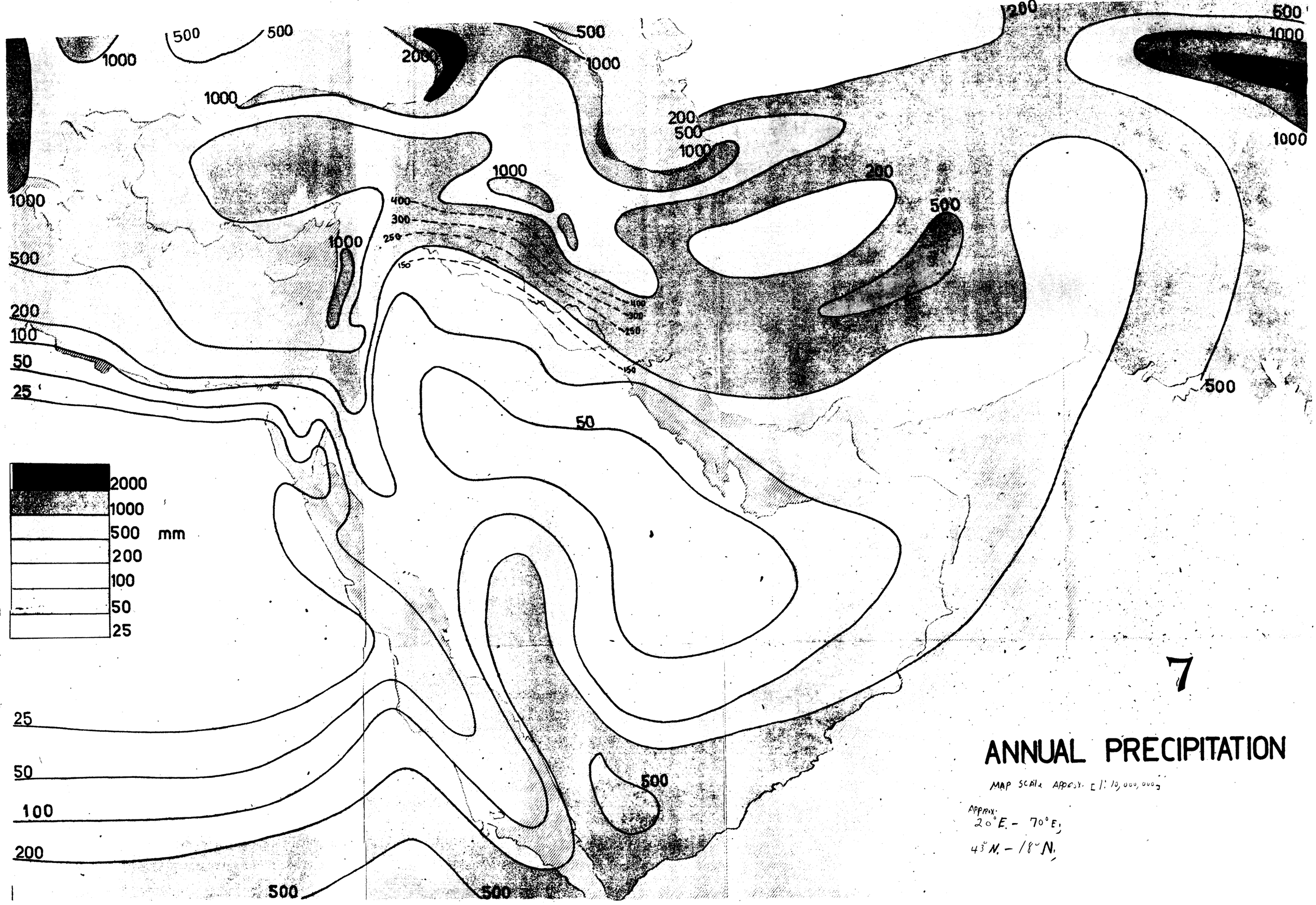

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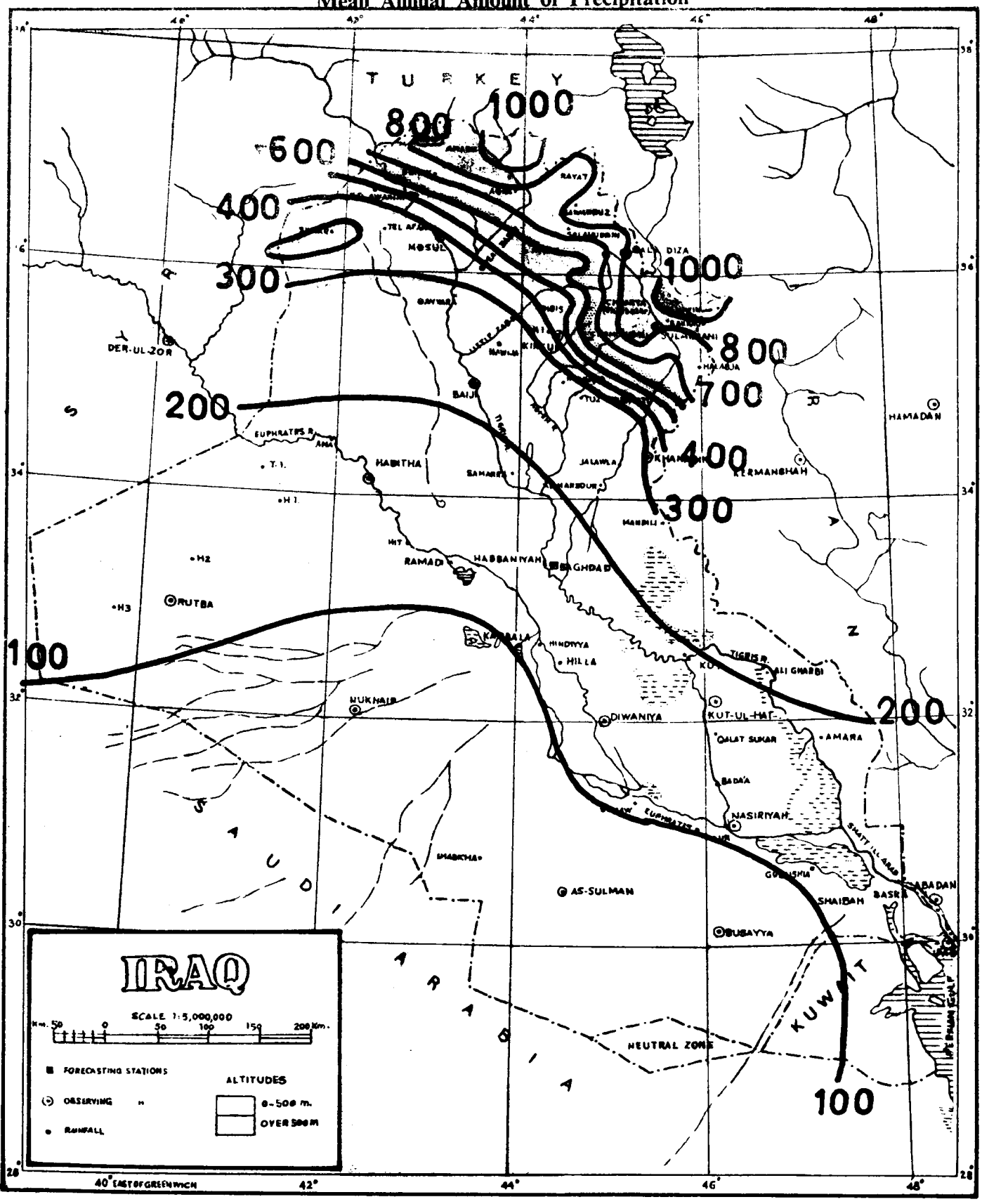
ANNUAL PRECIPITATION

MAP SCALE APPROX. [1: 10,000,000]

APPROX.
20° E. – 70° E.
43° N. – 18° N.

PRECIPITATION

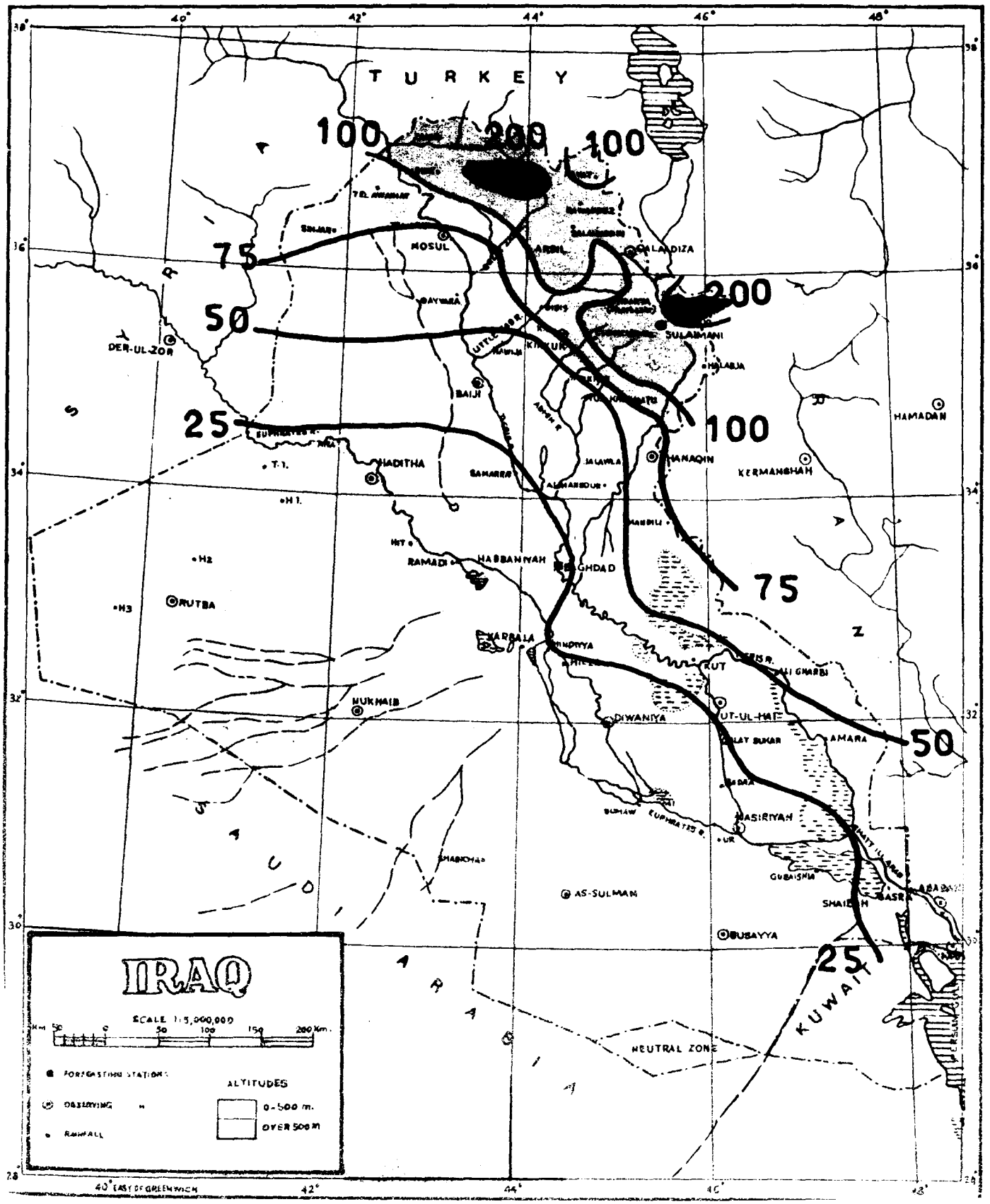
Mean Annual Amount of Precipitation



SURVEY PRESS. BAGHDAD.

PRECIPITATION
Mean Monthly Amount of Precipitation

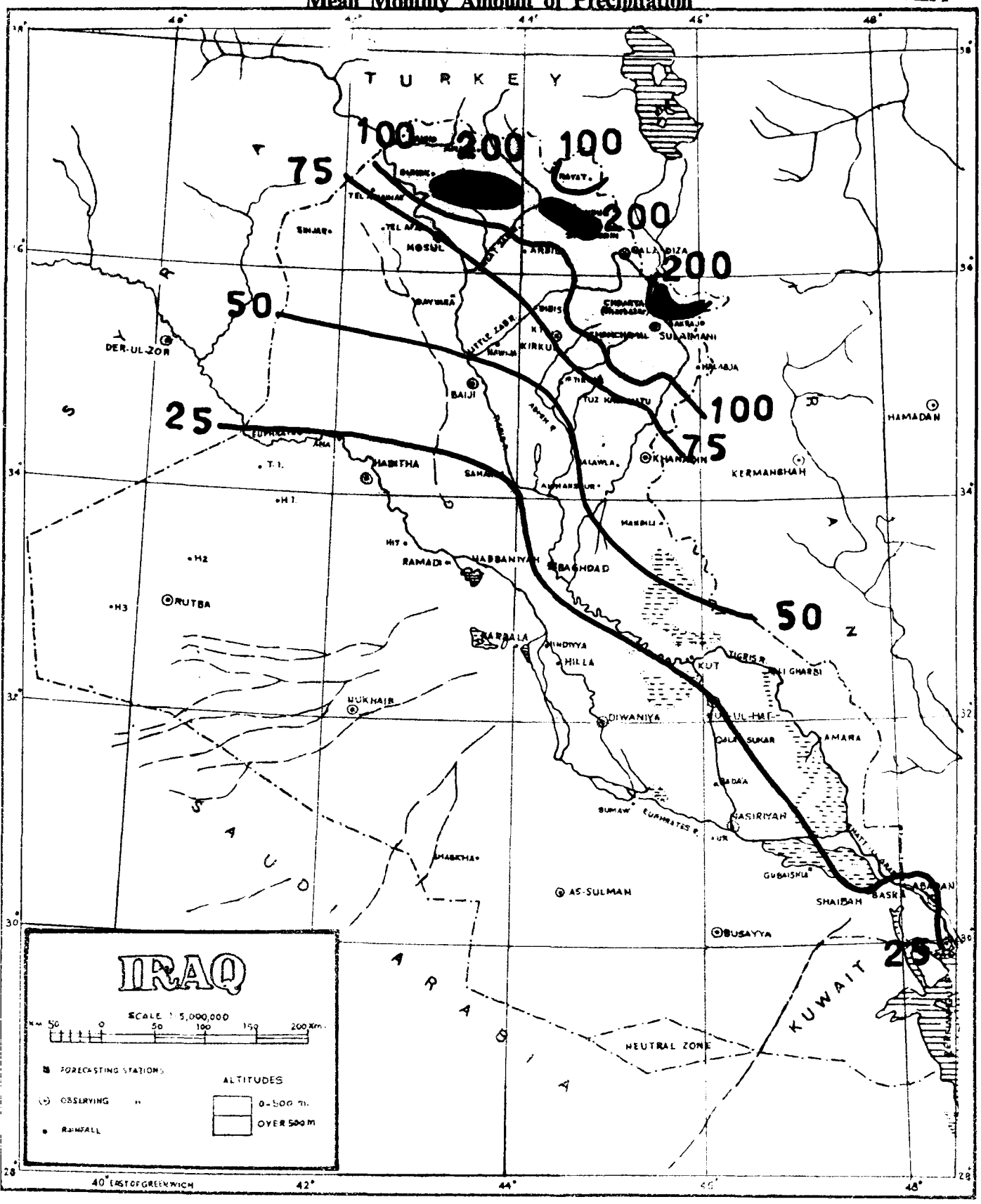
JANUARY



PRECIPITATION

Mean Monthly Amount of Precipitation

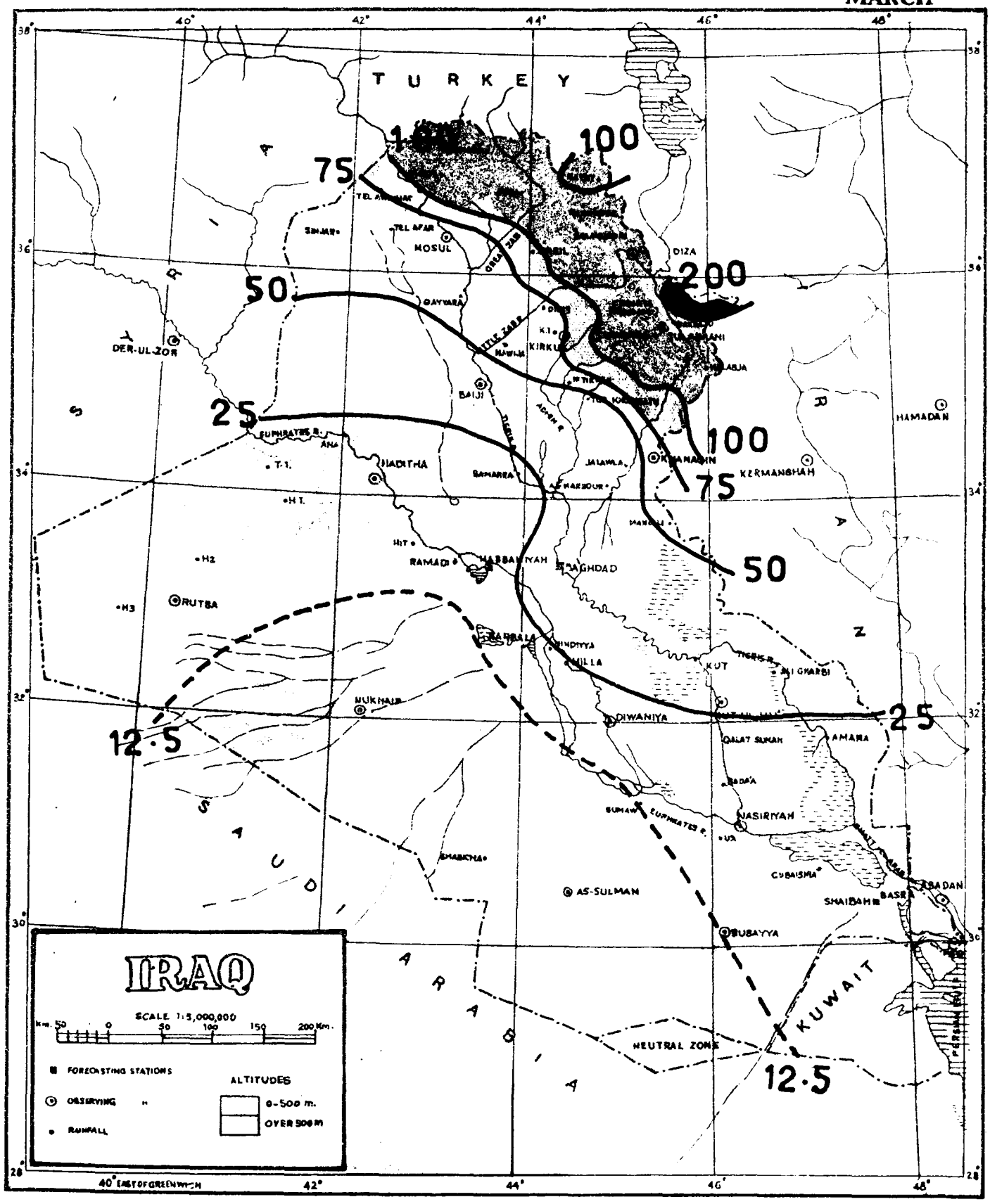
10
FEBRUARY



SURVEY PRESS BAGHDAD

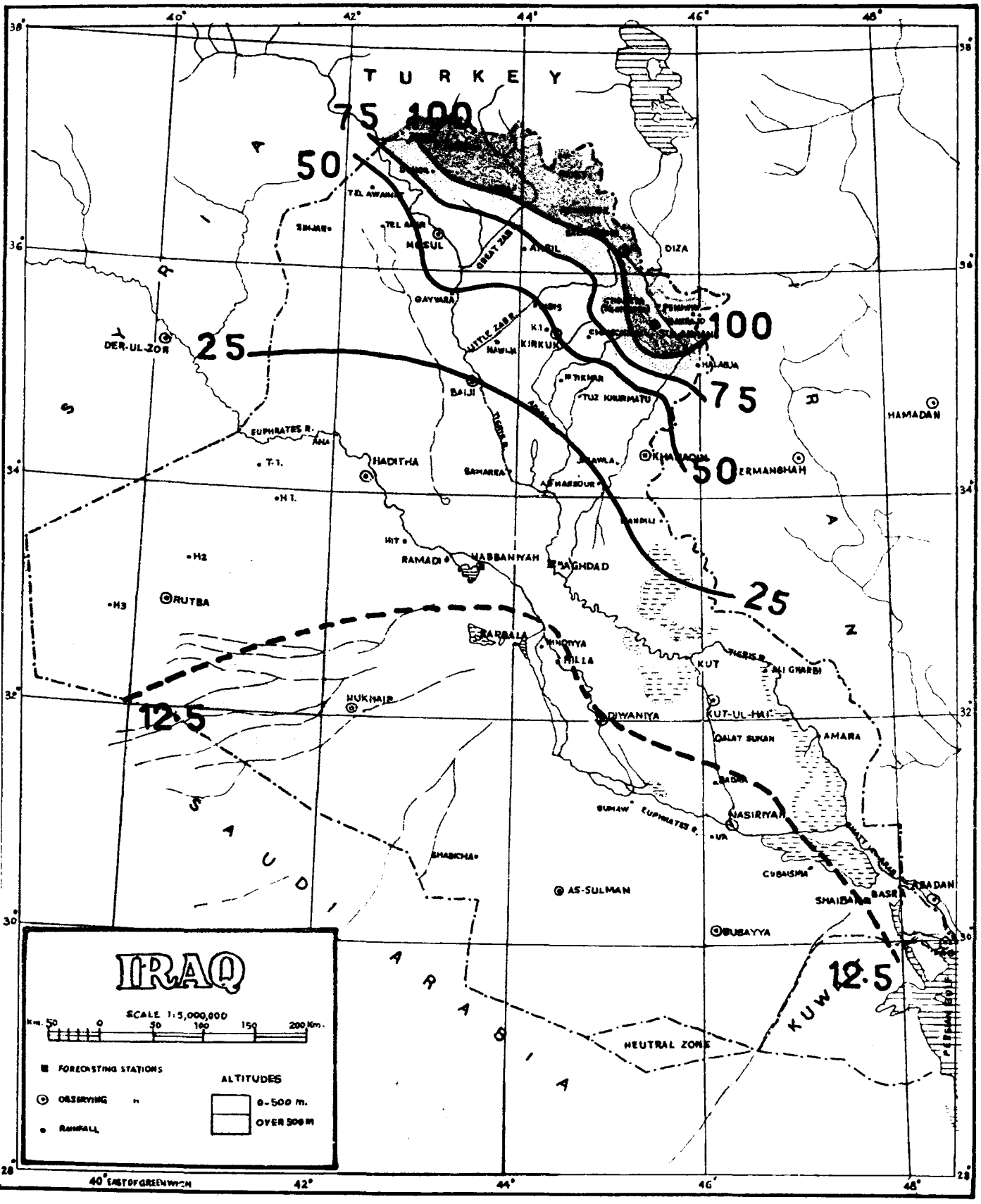
Mean Monthly Amount of Precipitation

MARCH



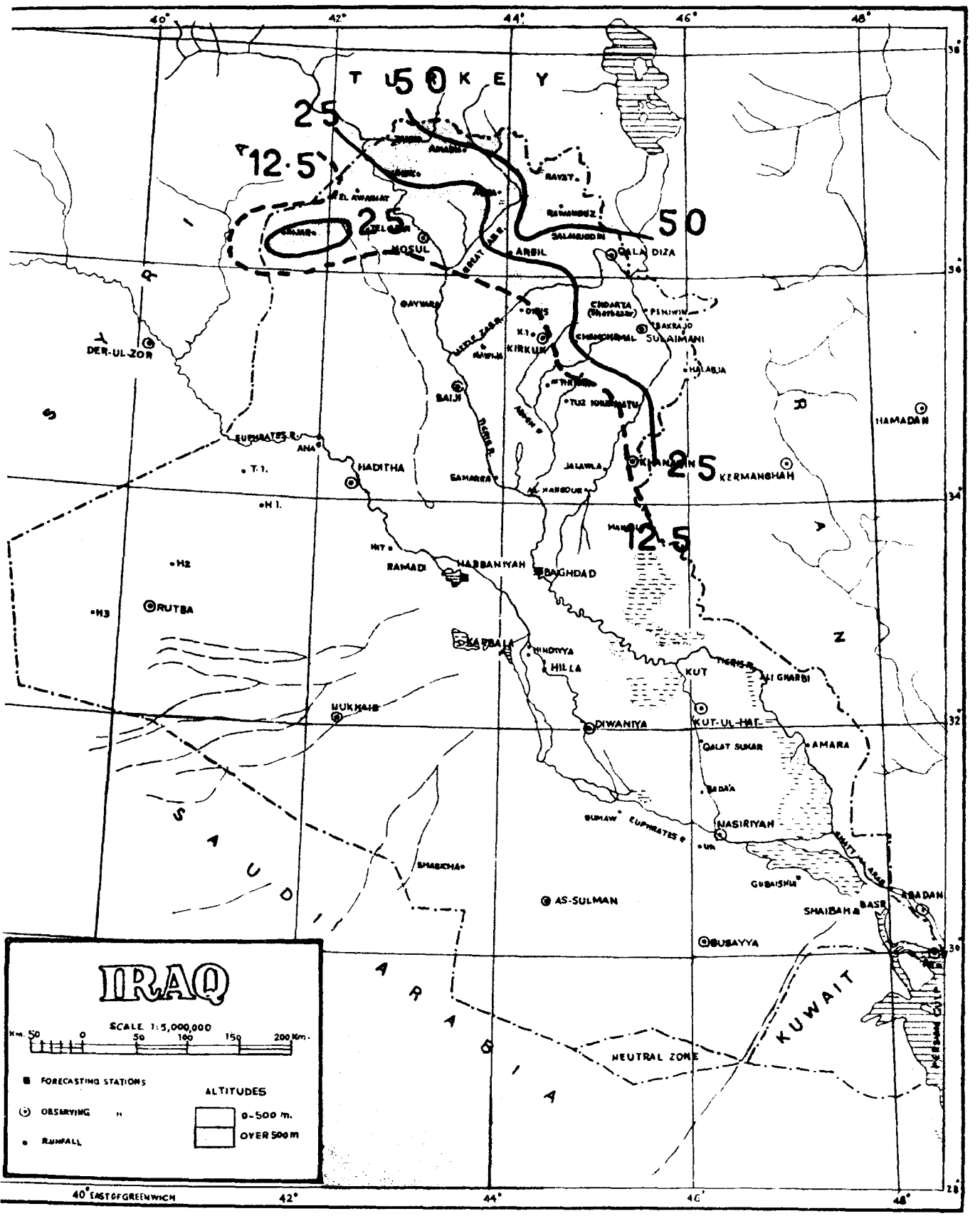
PRECIPITATION
Mean Monthly Amount of Precipitation

APRIL



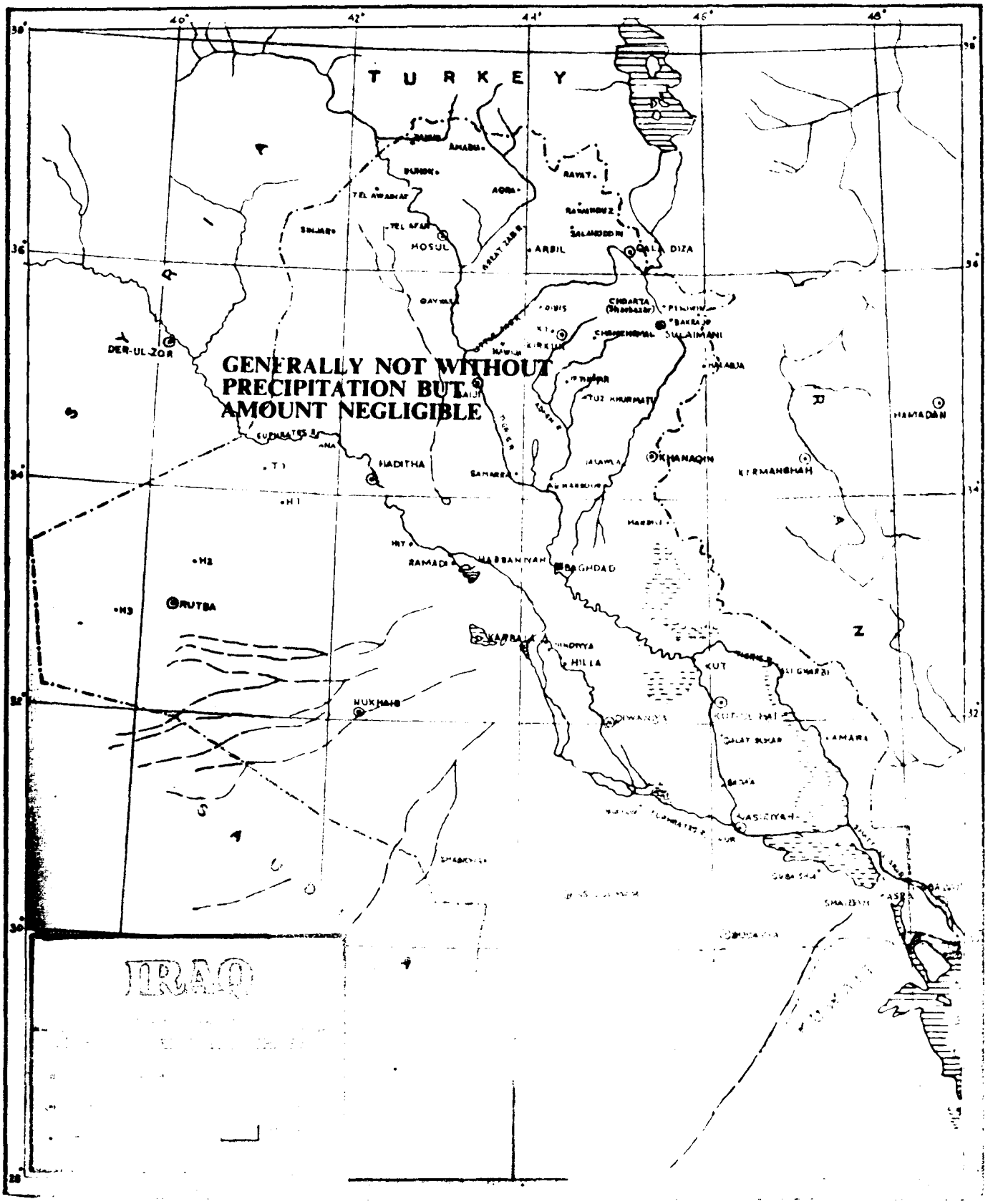
PRECIPITATION
Mean Monthly Amount of Precipitation

MAY



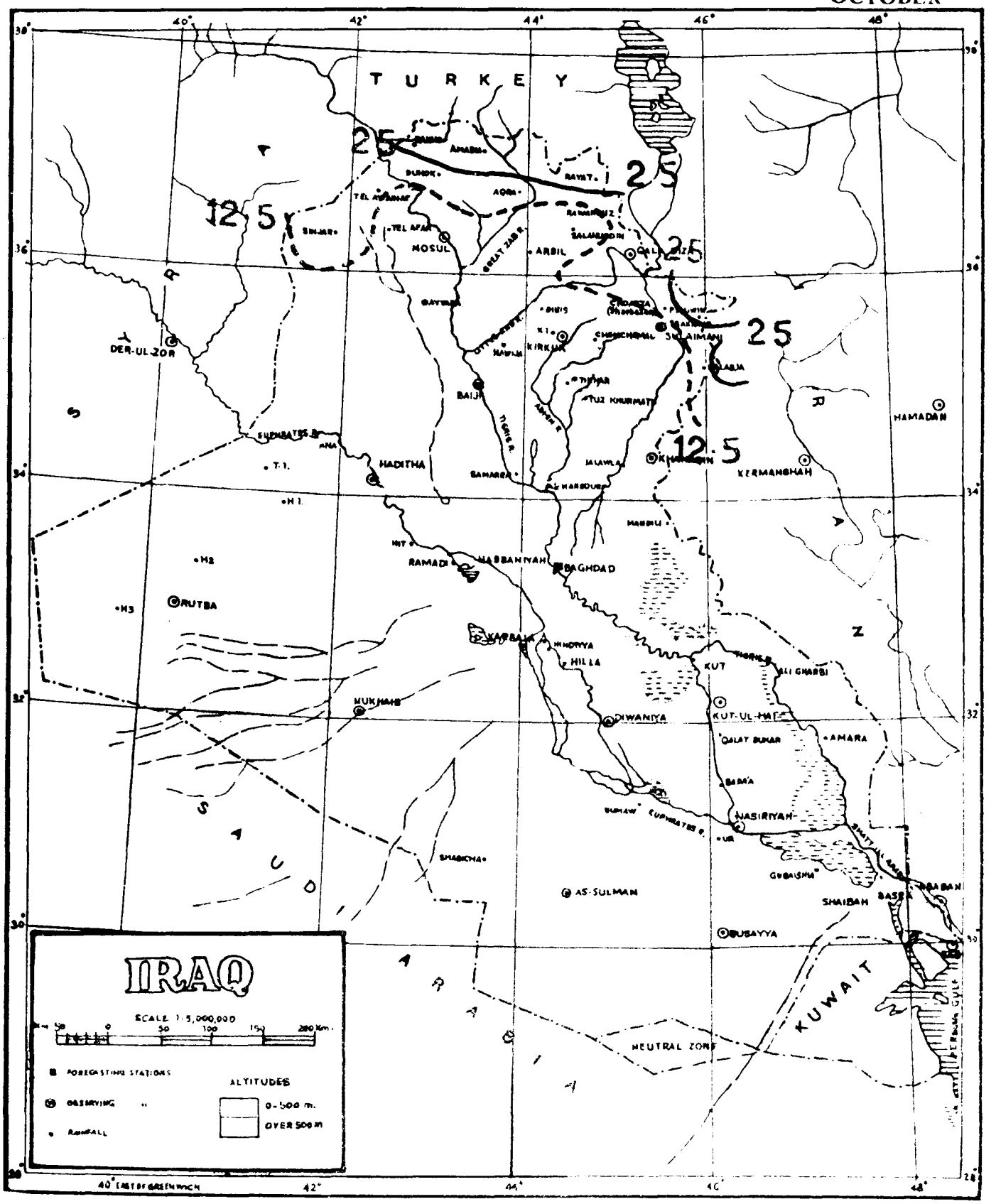
PRECIPITATION
Mean Monthly Amount of Precipitation

JUNE
JULY
AUGUST
SEPTEMBER



PRECIPITATION
Mean Monthly Amount of Precipitation

OCTOBER



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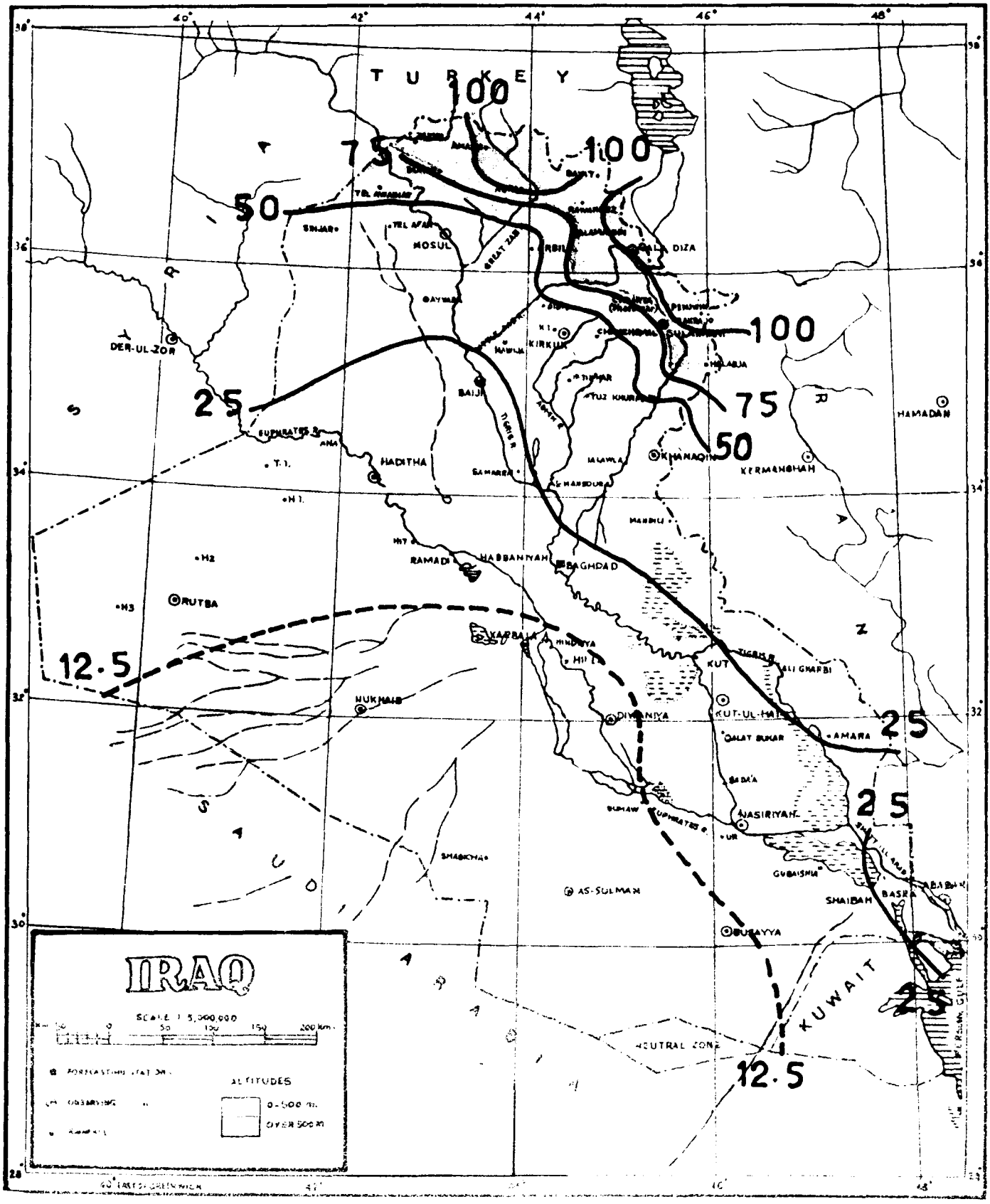
TURKEY
100
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100
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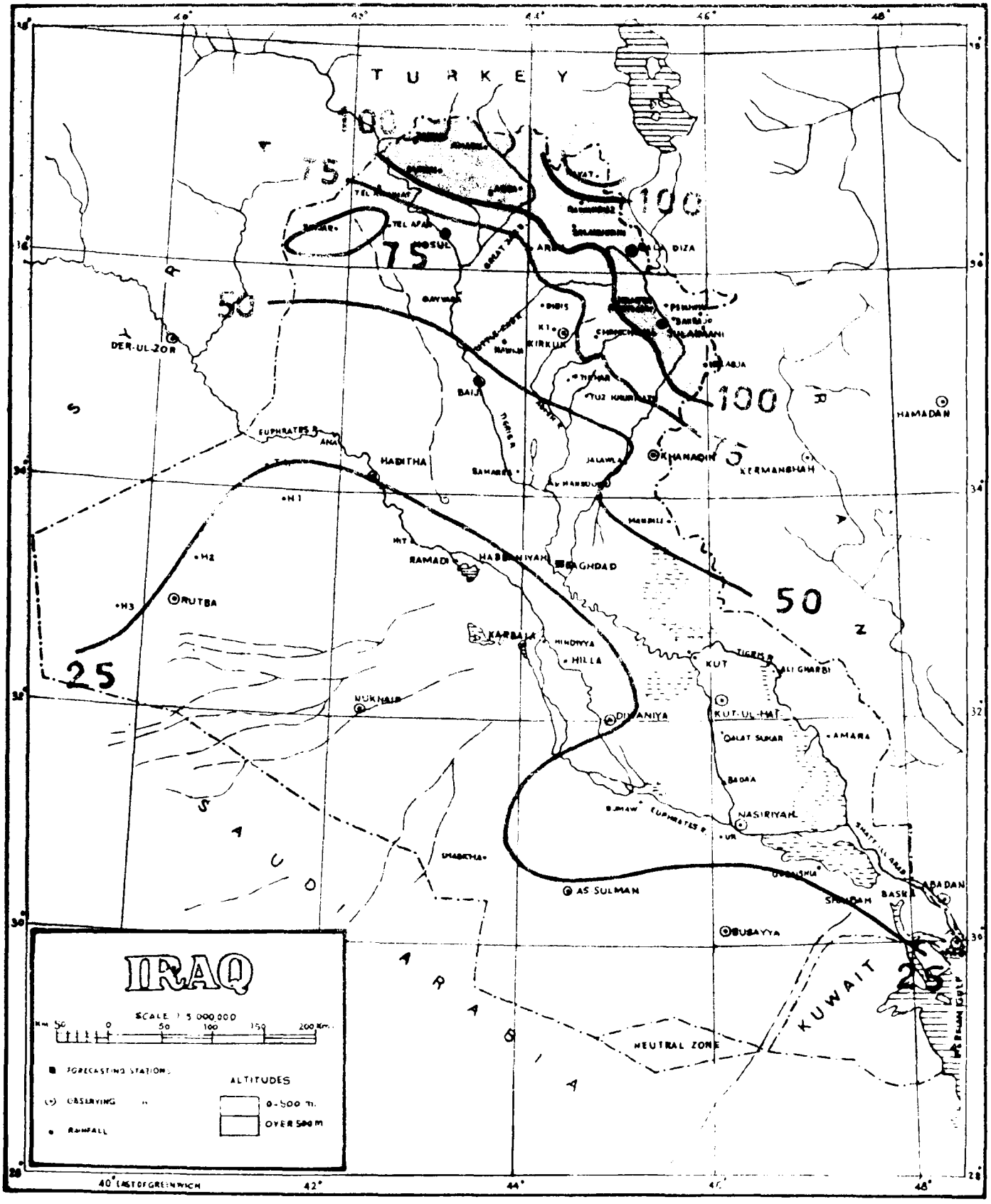
12.5
12.5
MOSUL
ARBIL
DIZA
KIRKUK
DER-UL-ZOR
BAIJI
HADITHA
SAMARRA
KHANAQIN
KERMANSHAH
HAMADAN
RAMADI
HABBANIYAH
BAGHDAD
RUTBA
KARBALA
HILLA
KUT
AMARA
NUKHAIB
DIWANIYA
NASIRIYAH
SHAIBAH
BASRA
AS-SULMAN
SUBAYYA
KUWAIT
NEUTRAL ZONE
IRAQ
SCALE 1:5,000,000
ALTITUDES
0-500 m.
OVER 500 m.
SURVEY PRESS BAGHDAD

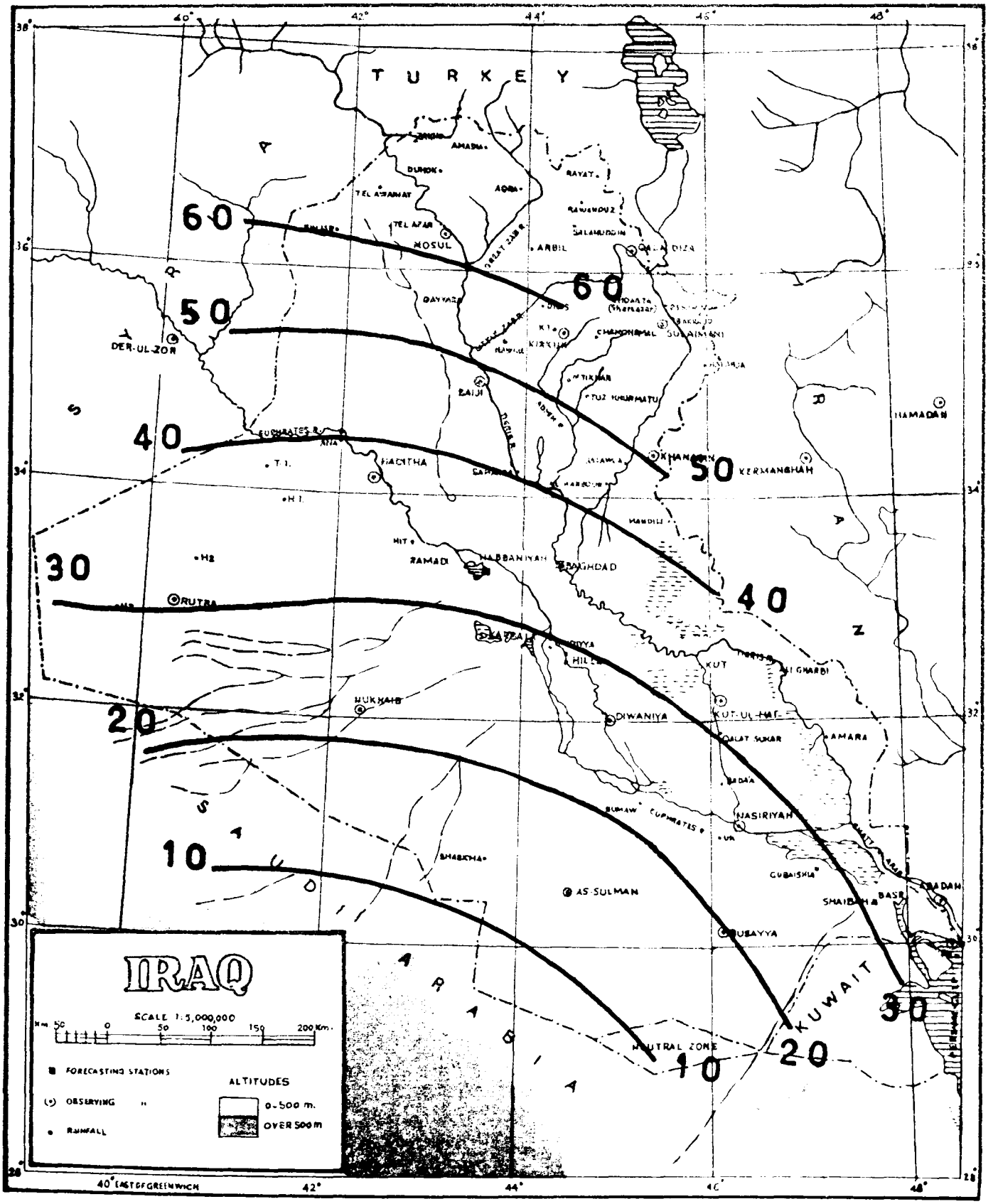
PRECIPITATION
Mean Monthly Amount of Precipitation

DECEMBER



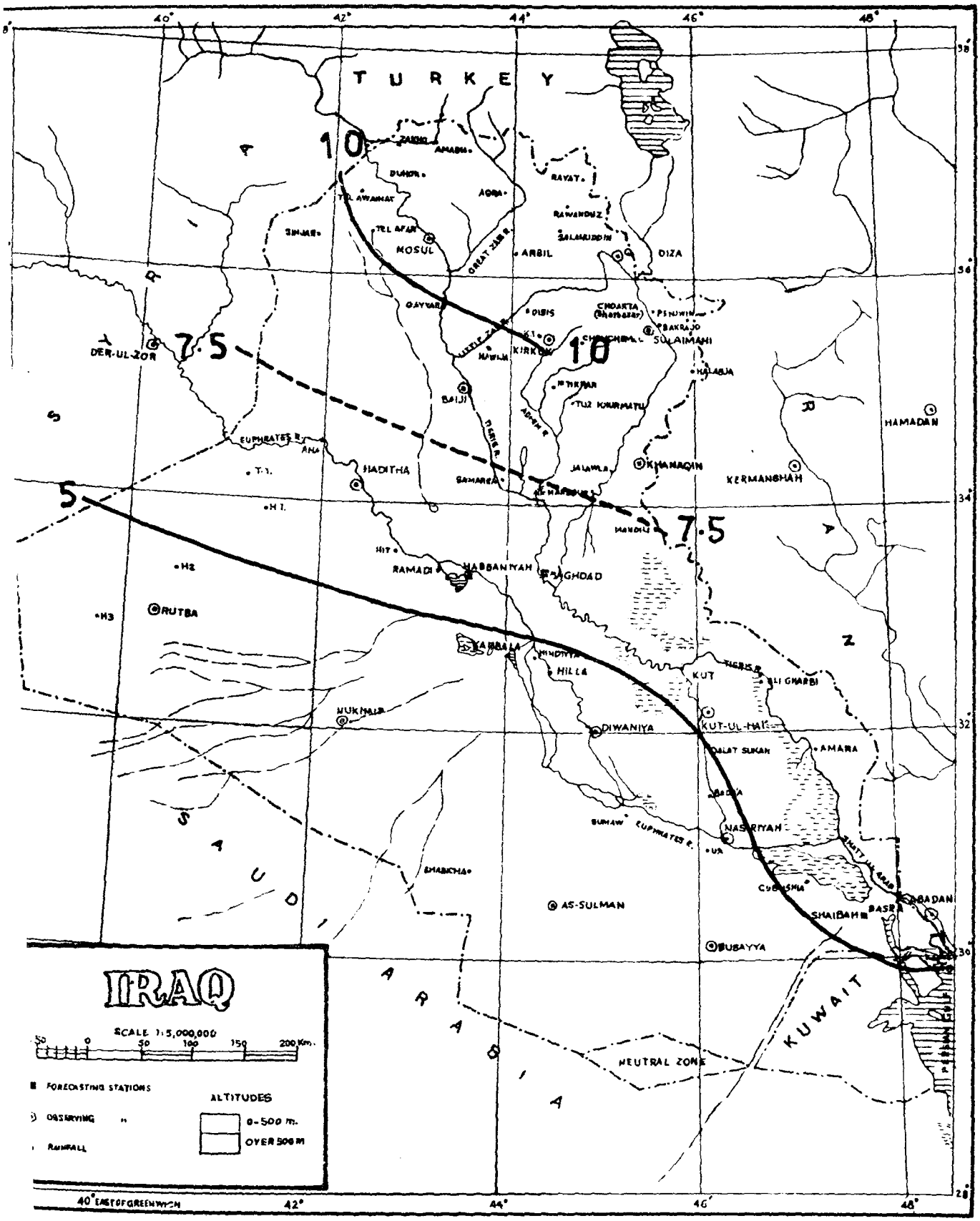
SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Annual Number of Days with Rain
Period of records see page 2/3



PRECIPITATION
Mean Monthly Number of Days with Rain
Period of records see page 2/3

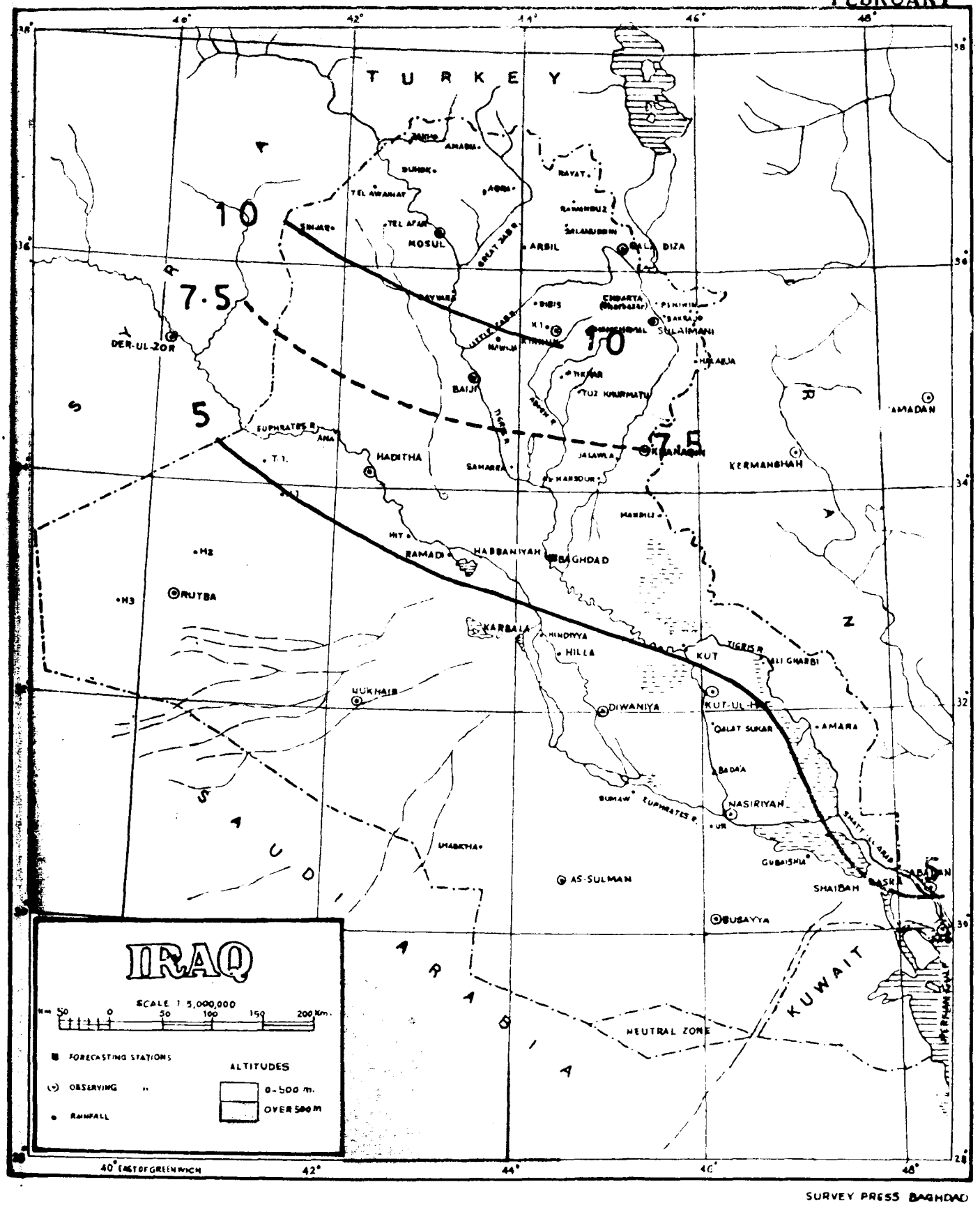
JANUARY



SURVEY PRESS, BAGHDAD.

PRECIPITATION
Mean Monthly Number of Days with Rain
Period of reeords see page 2/3

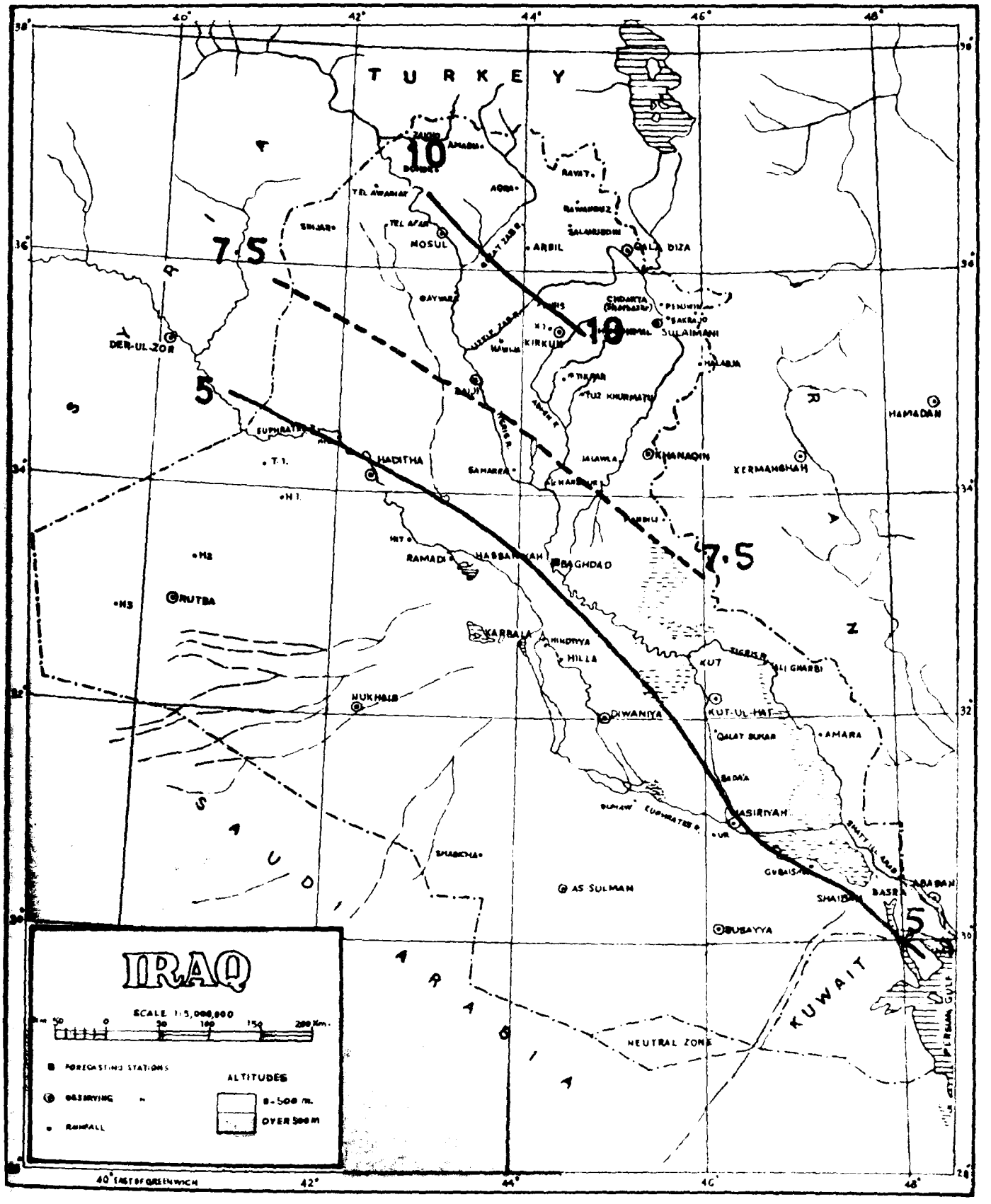
FEBRUARY



SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Monthly Number of Days with Rain
Period of reeords see page 2/3

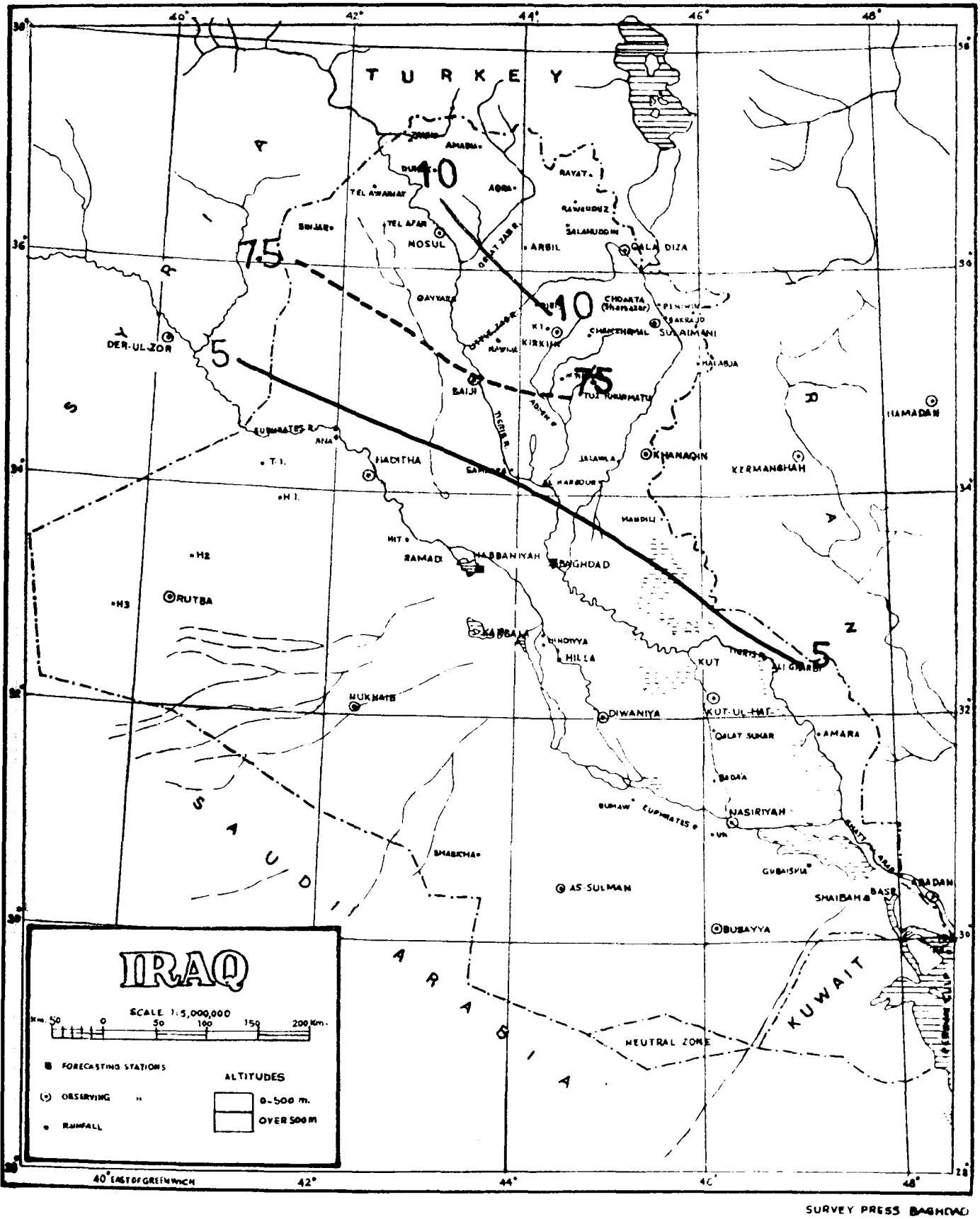
MARCH



SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Monthly Number of Days with Rain
Period of records see page 2/3

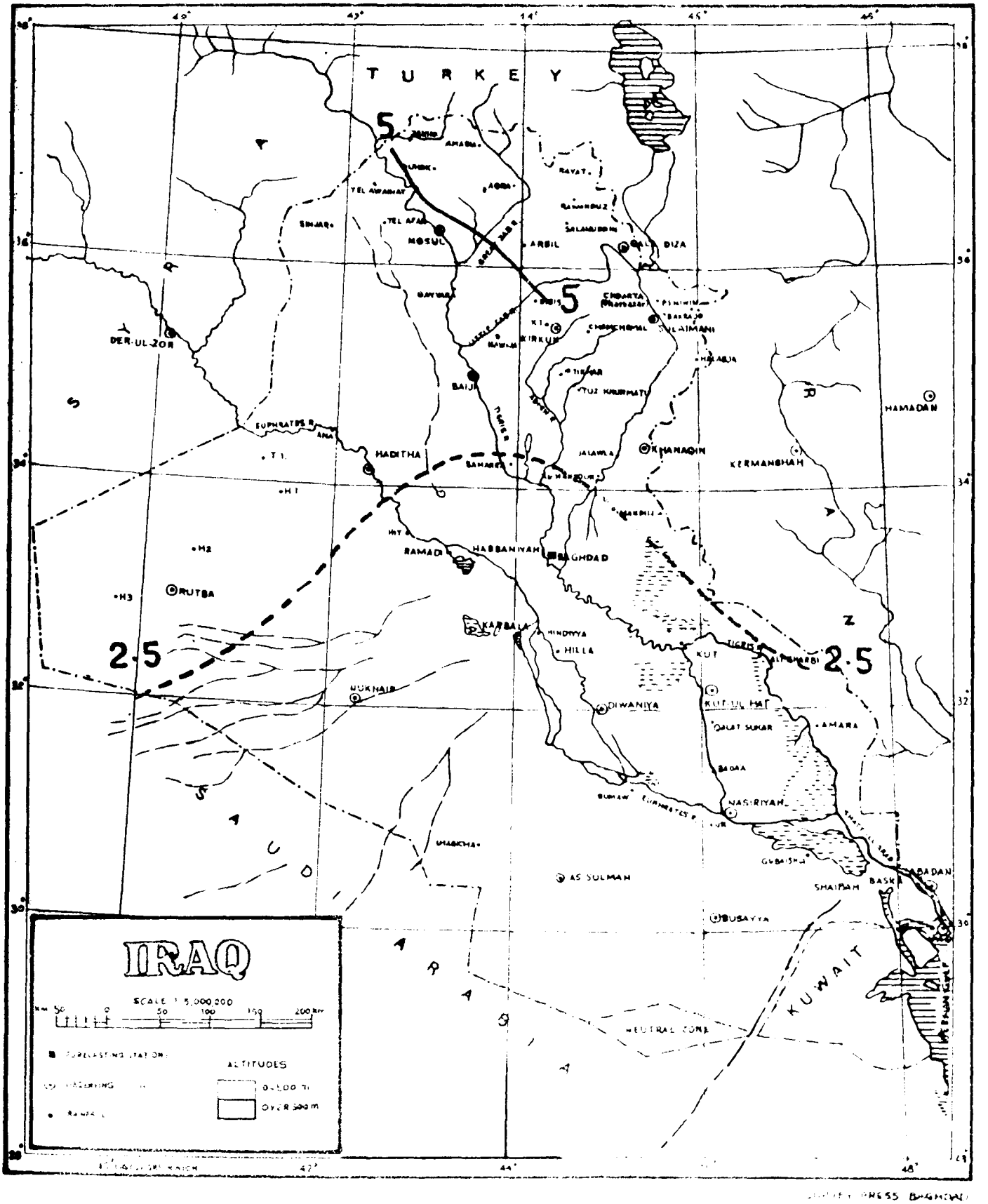
APRIL



SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Monthly Number of Days with Rain
Period of records see page 2/3

MAY

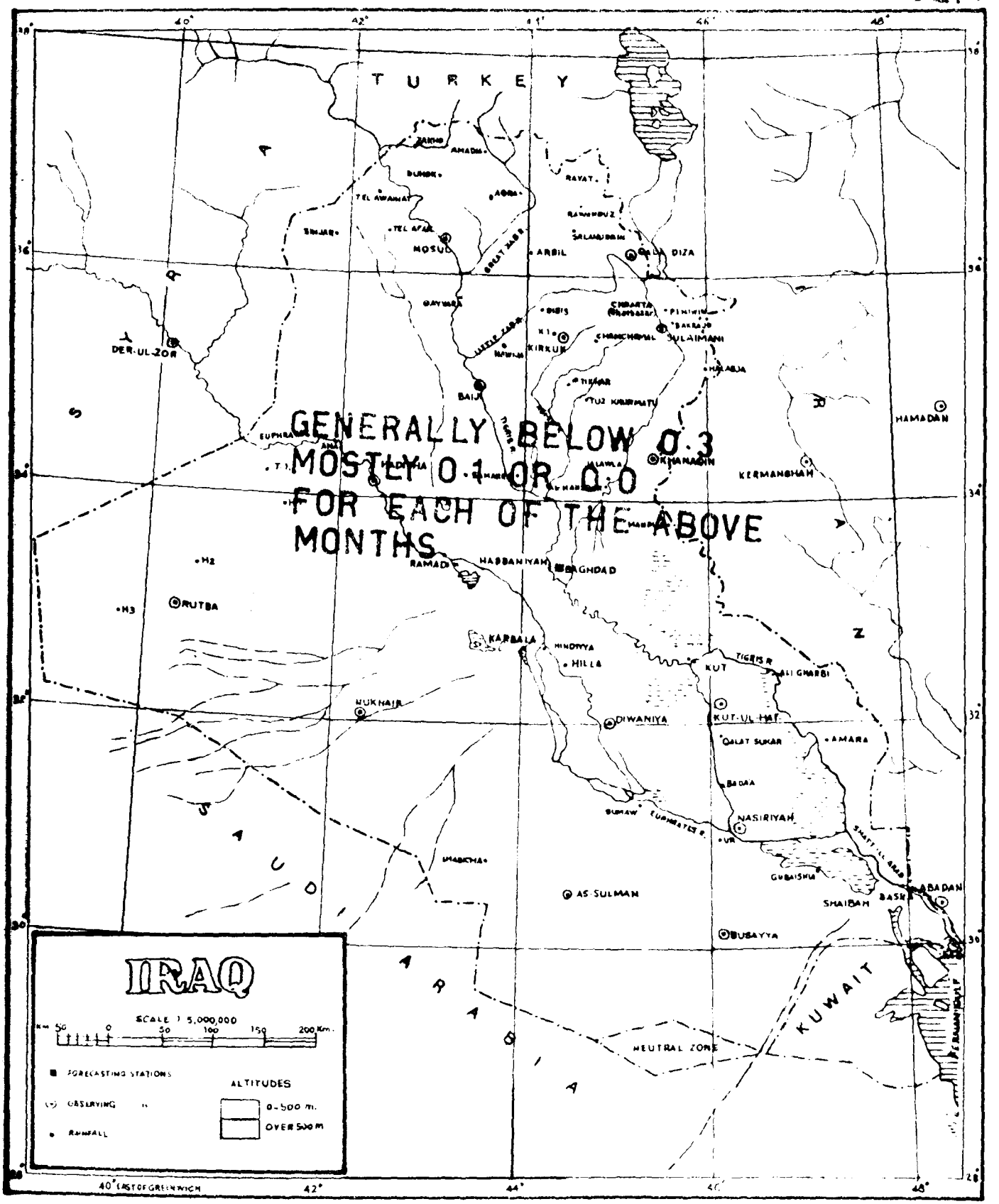


JUL.
AUG.
SEP.

PRECIPITATION

Mean Monthly Number of Days with Rain

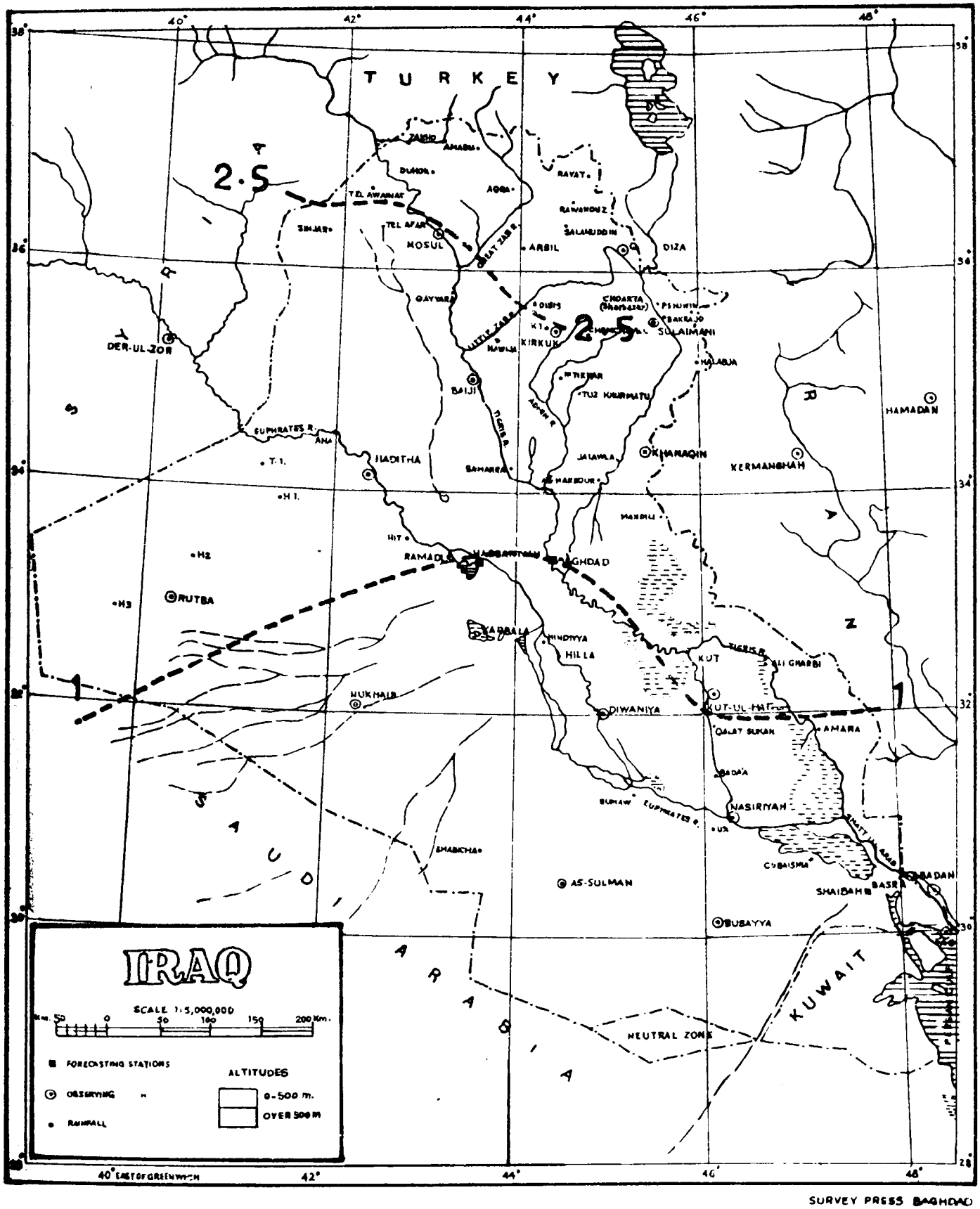
Period of records see page 2/3



SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Monthly Number of Days with Rain
Period of records see page 2/3

OCTOBER



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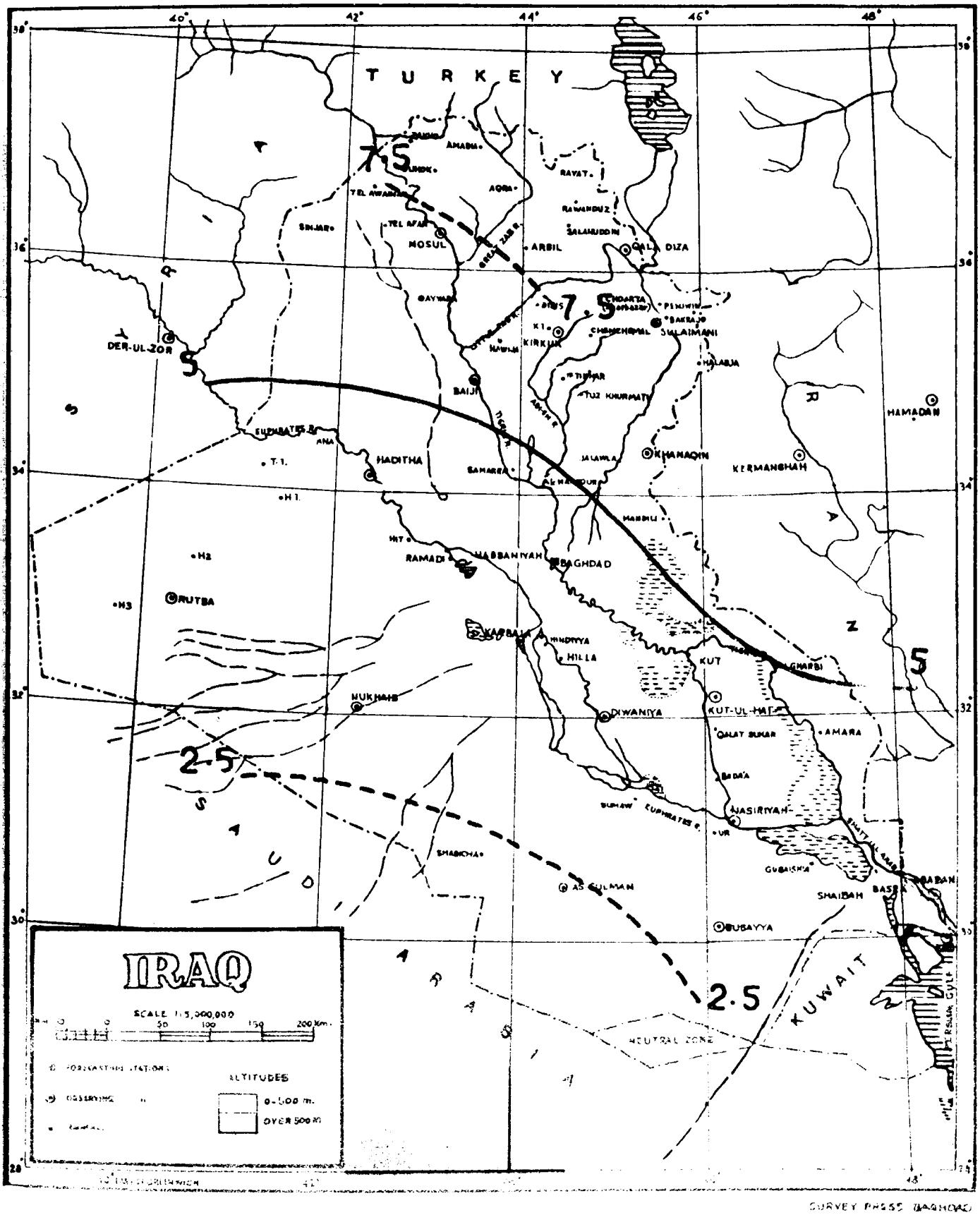
PRECIPITATION

Mean Monthly Number of Days with Rain

Period of records see page 2/3

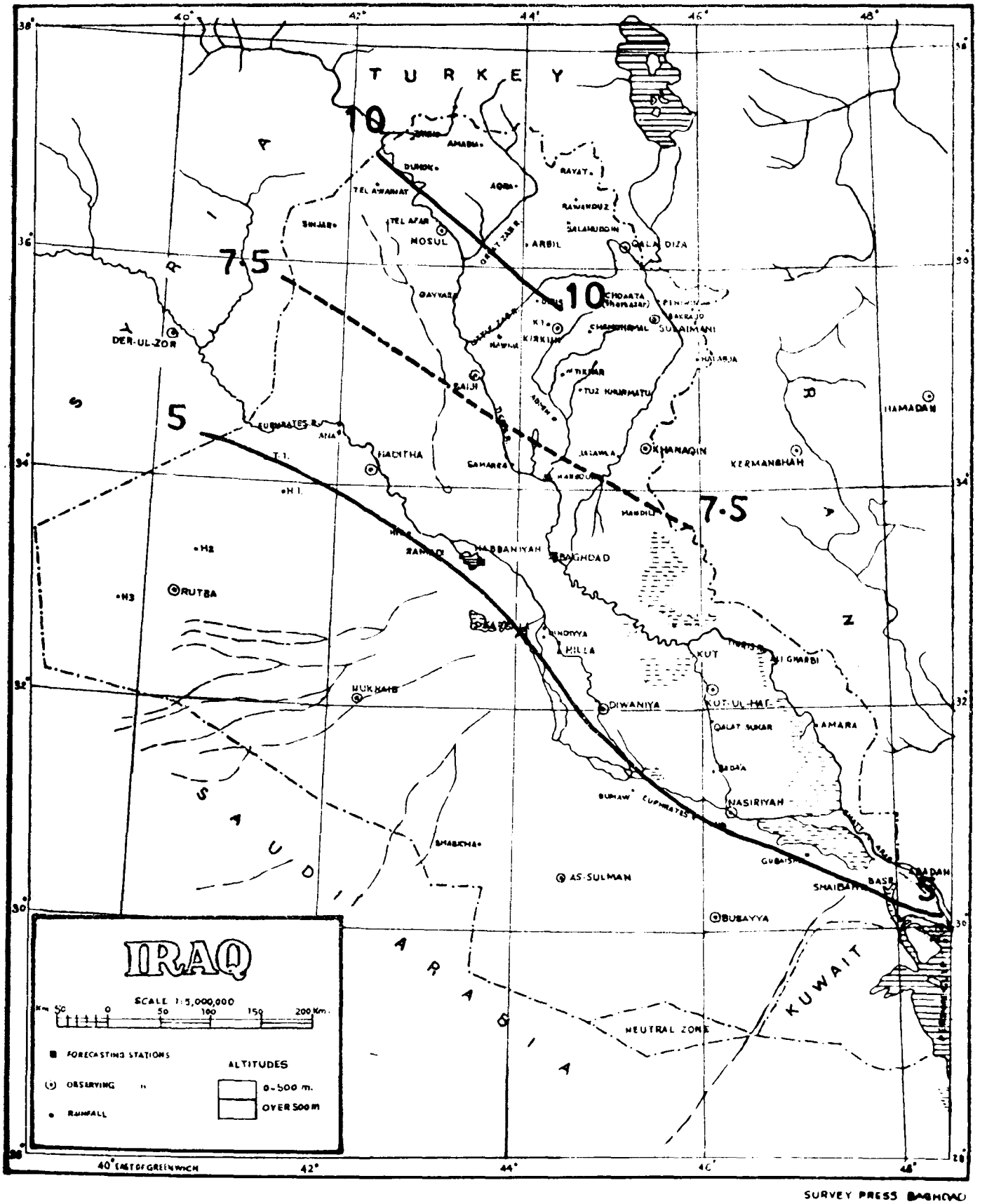
NOVEMBER



SURVEY PRESS BAGHDAD

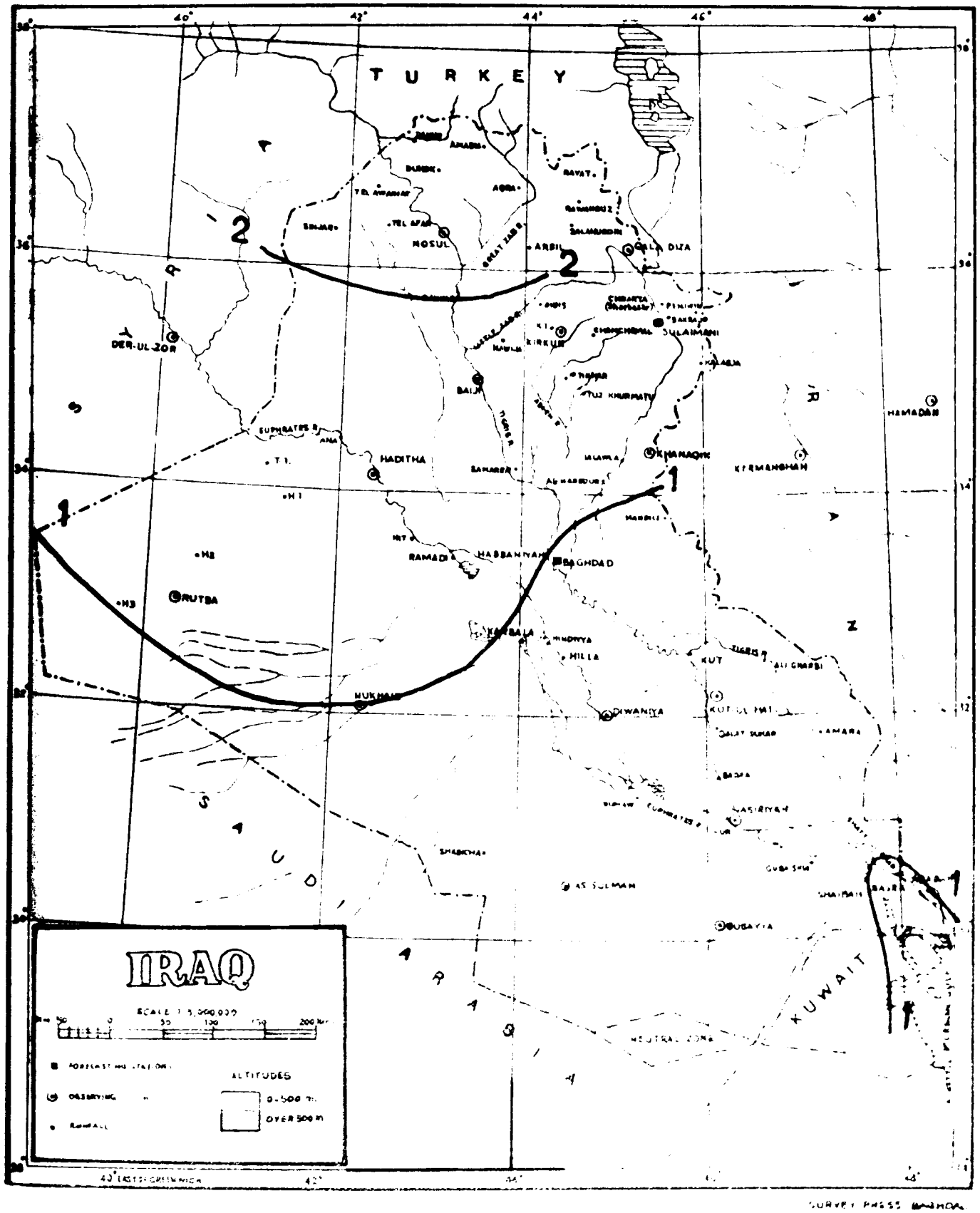
PRECIPITATION
Mean Monthly Number of Days with Rain
Period of records see page 2/3

DECEMBER



SURVEY PRESS BAGHDAD

PRECIPITATION
Mean Annual Number of Days with Hail
Period of records see page 2/3

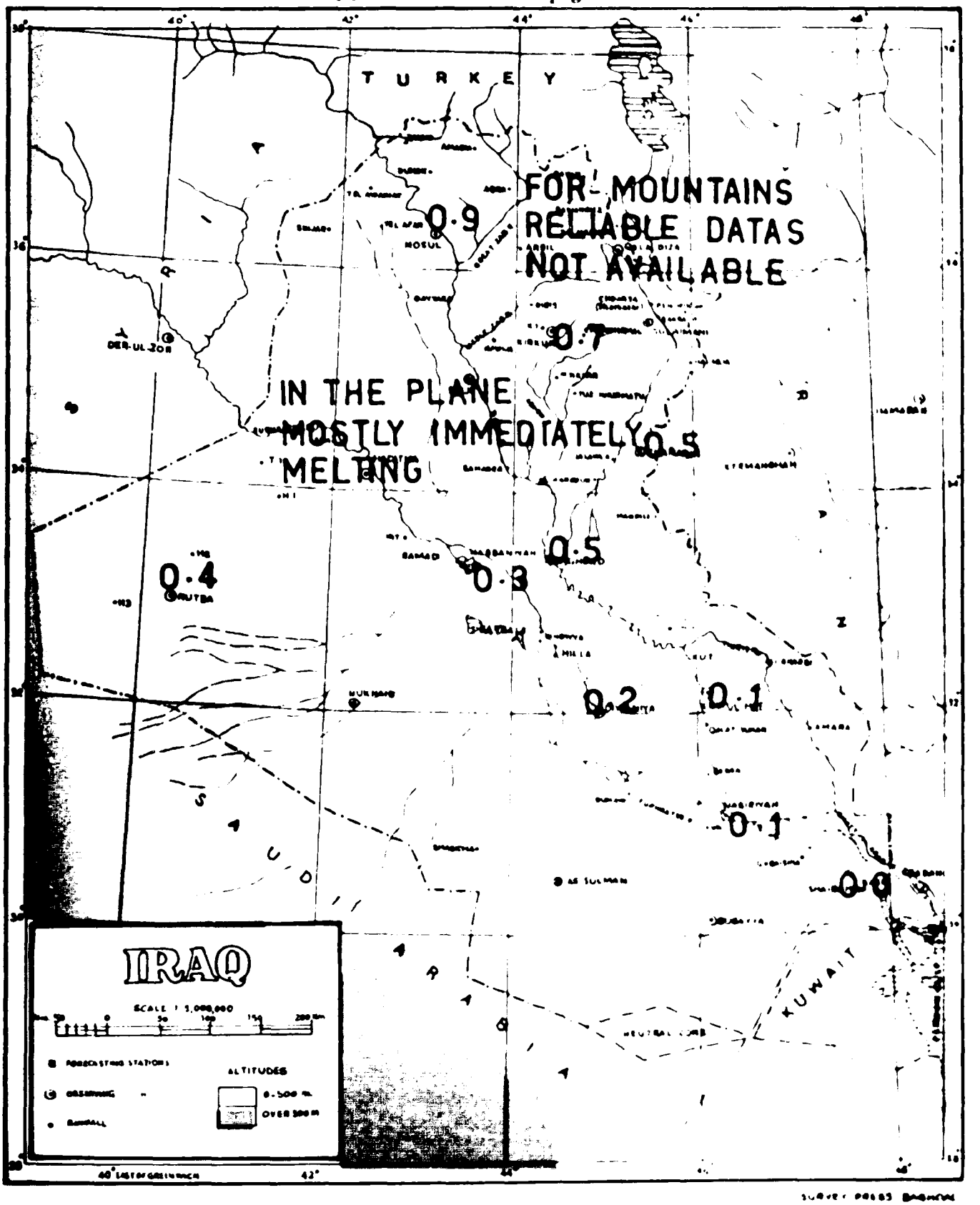


SURVEY PRESS BAGHDAD

PRECIPITATION

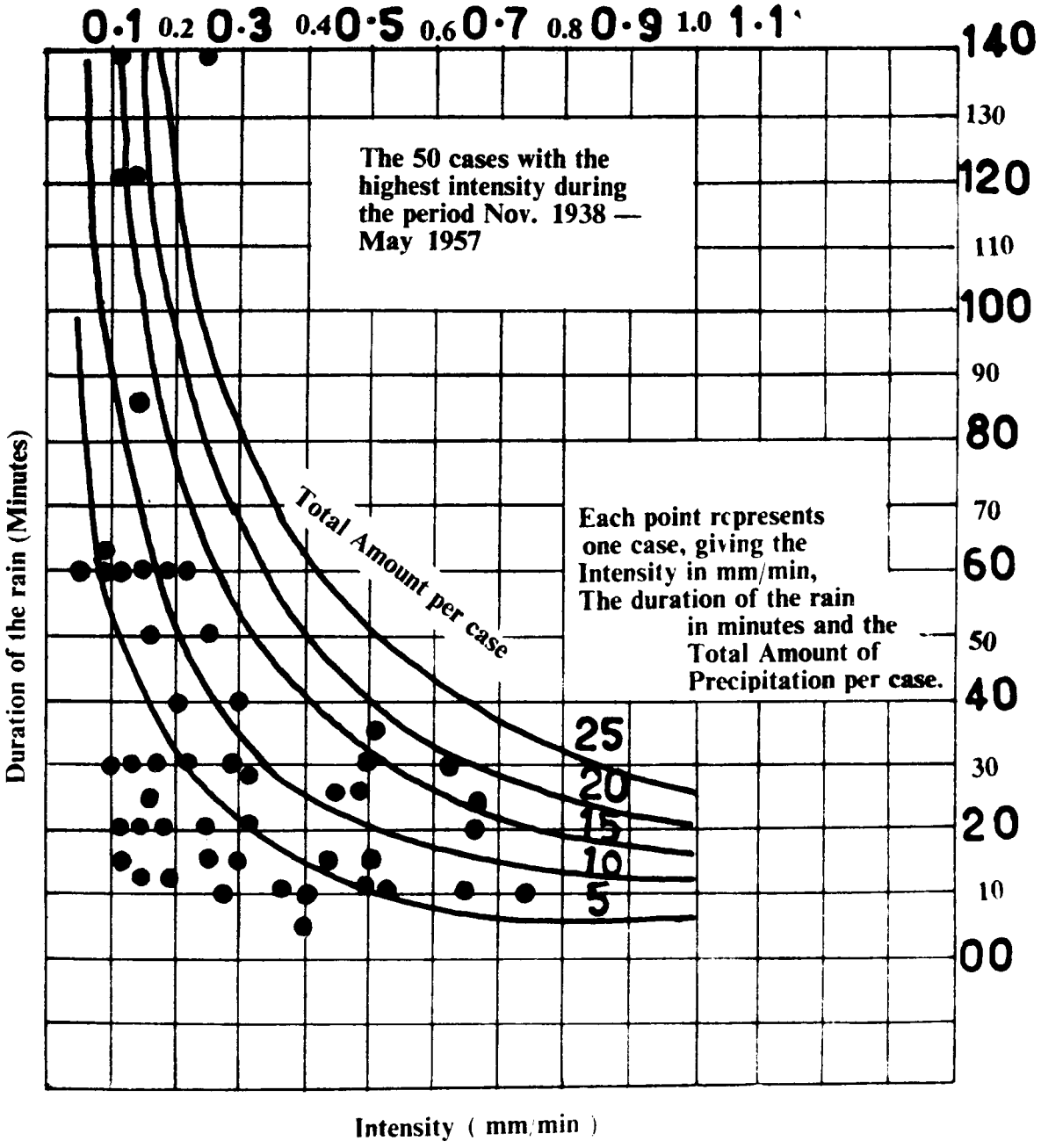
Mean Annual Number of Days with Snow Fall

Period of records see page 23

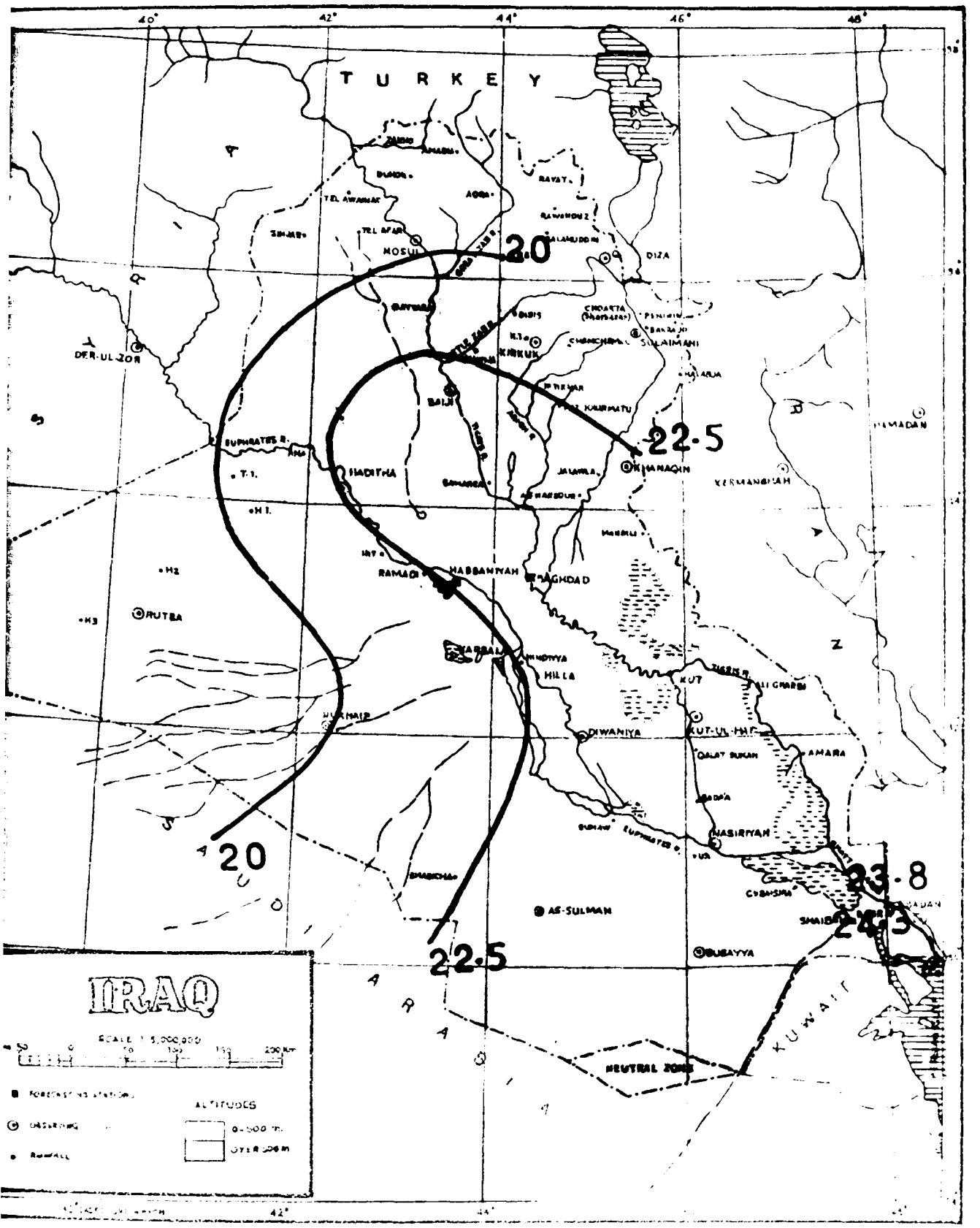


SURVEY PRESS BAGHDAD

PRECIPITATION
Intensity of Rain Fall in Baghdad



TEMPERATURE
Mean Annual Temperature
Period of records see page 2/3

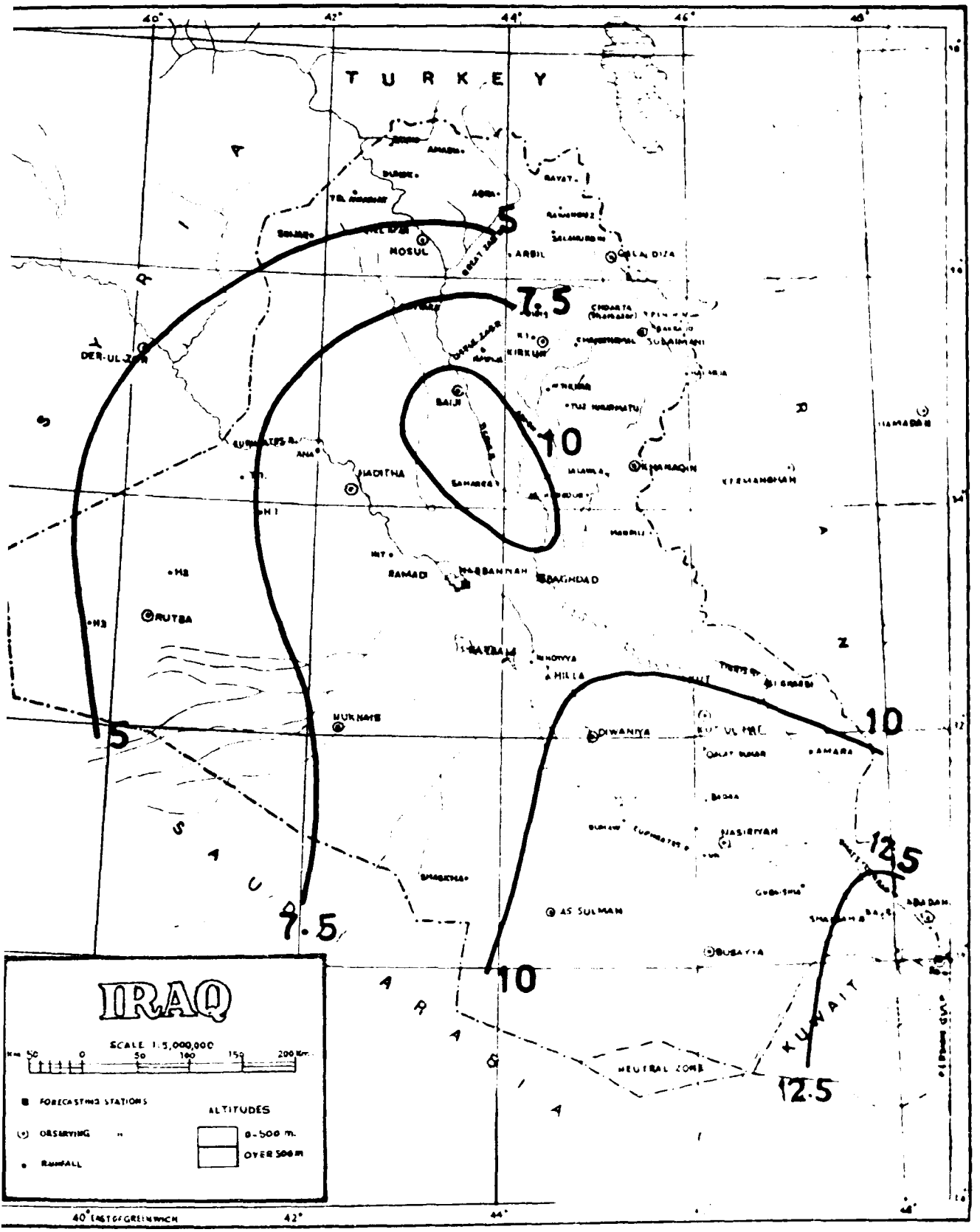


TEMPERATURE

Mean Monthly Temperature

Period of records see page 2'3

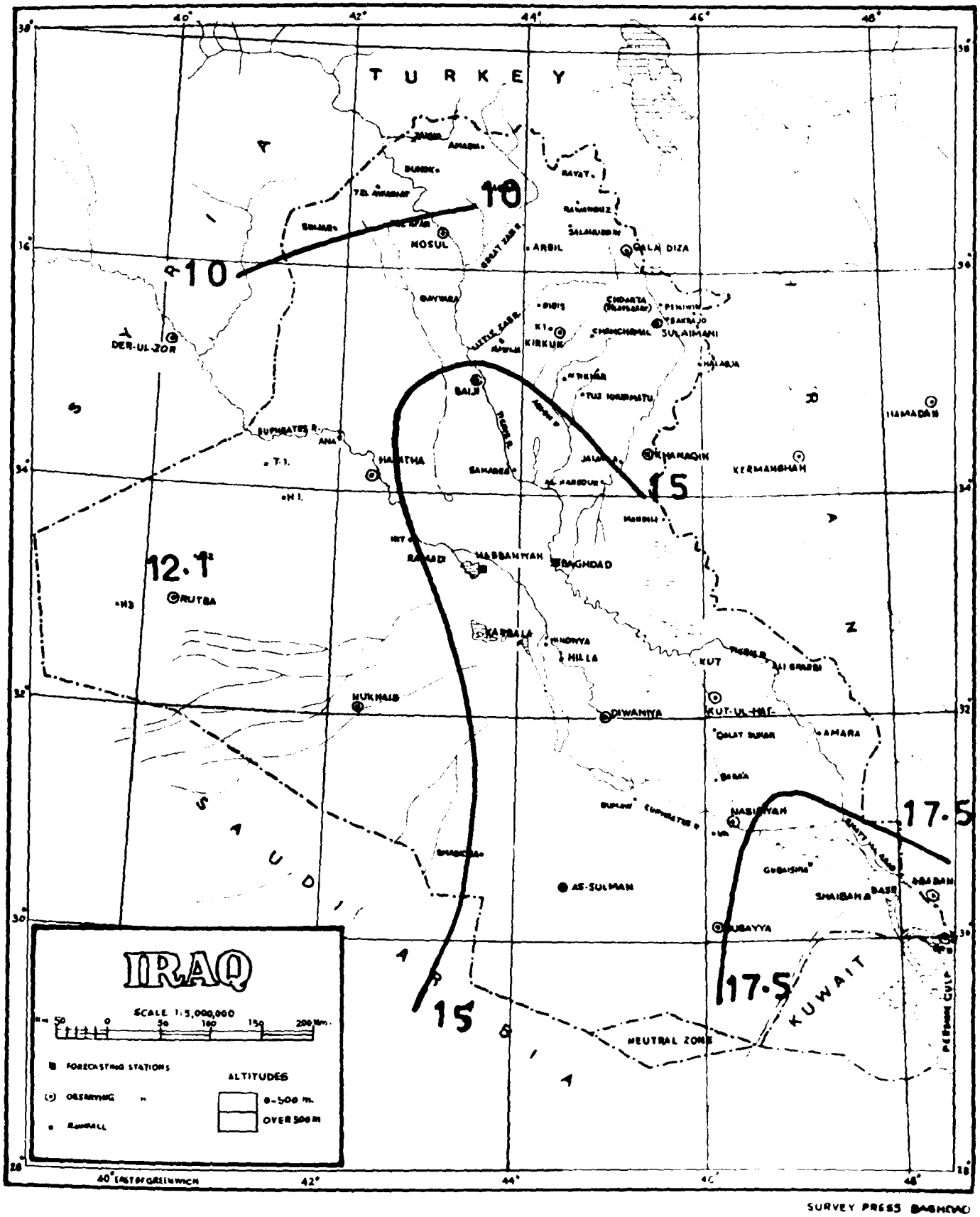
JANUARY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Temperature
Period of records see page 2,3

MARCH

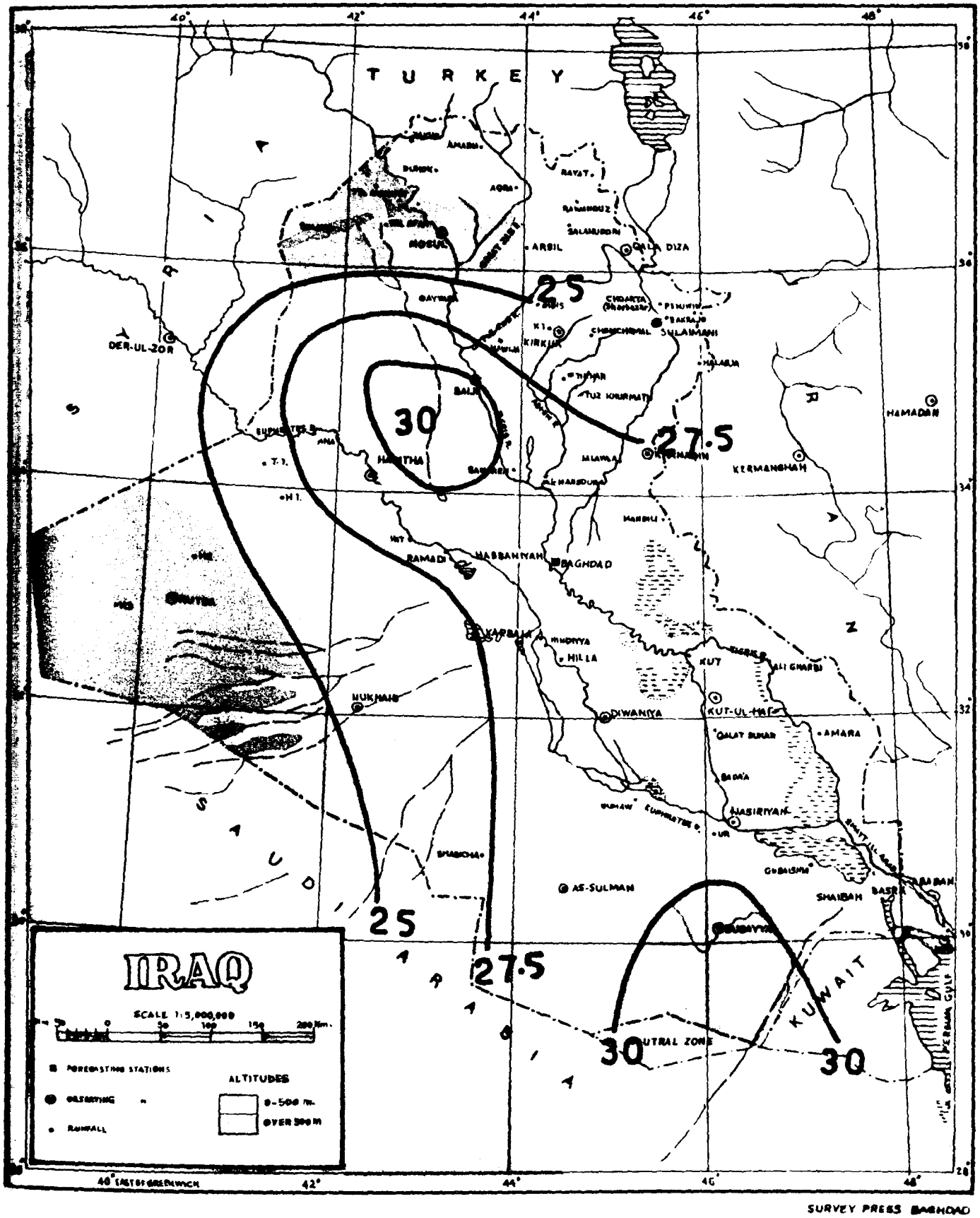


TEMPERATURE

Mean Monthly Temperature

Period of records see page 2/3

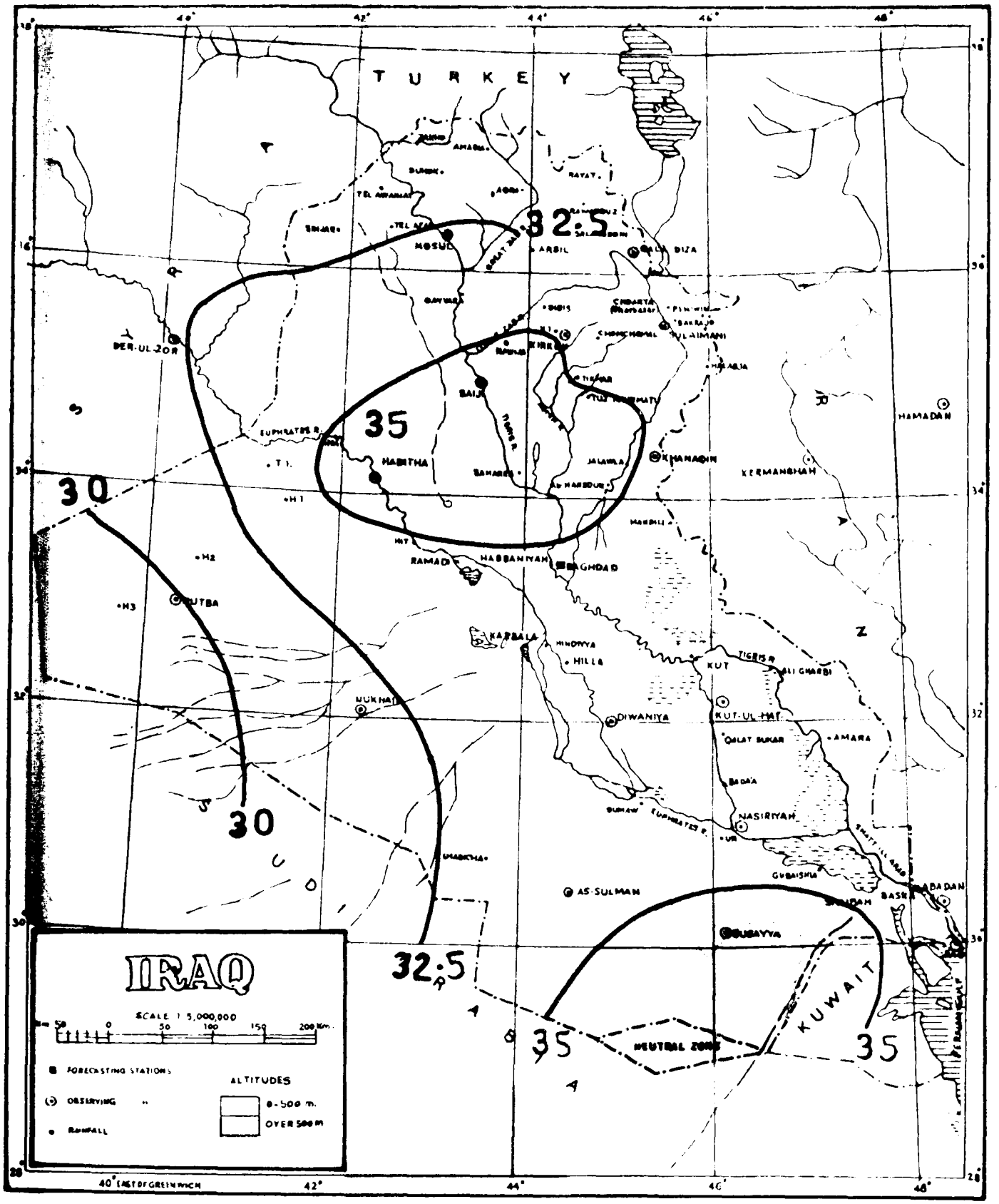
MAY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Temperature
Period of records see page 2/3

JULY

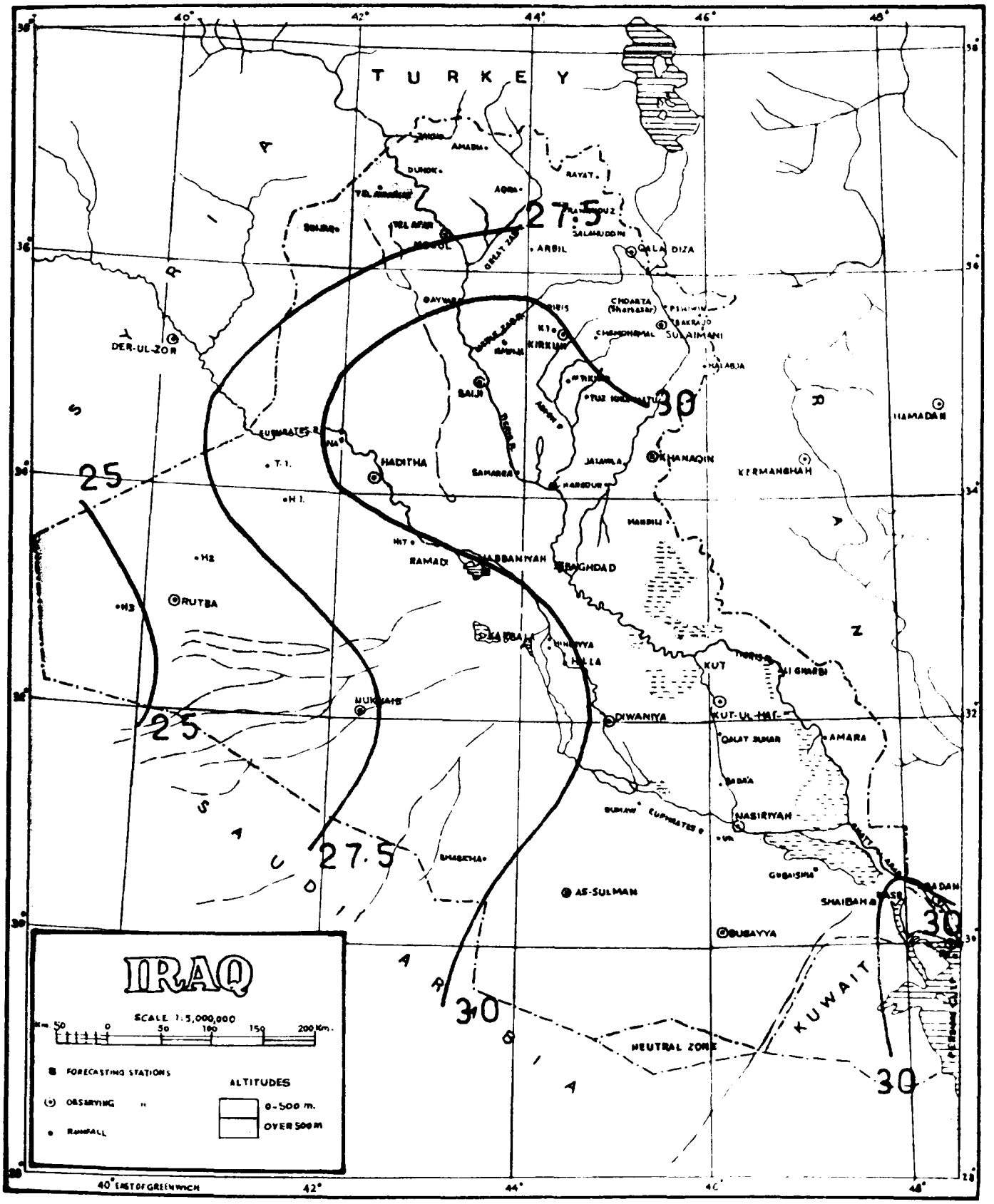


SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Temperature
period of records see page 2 3

SEPTEMBER

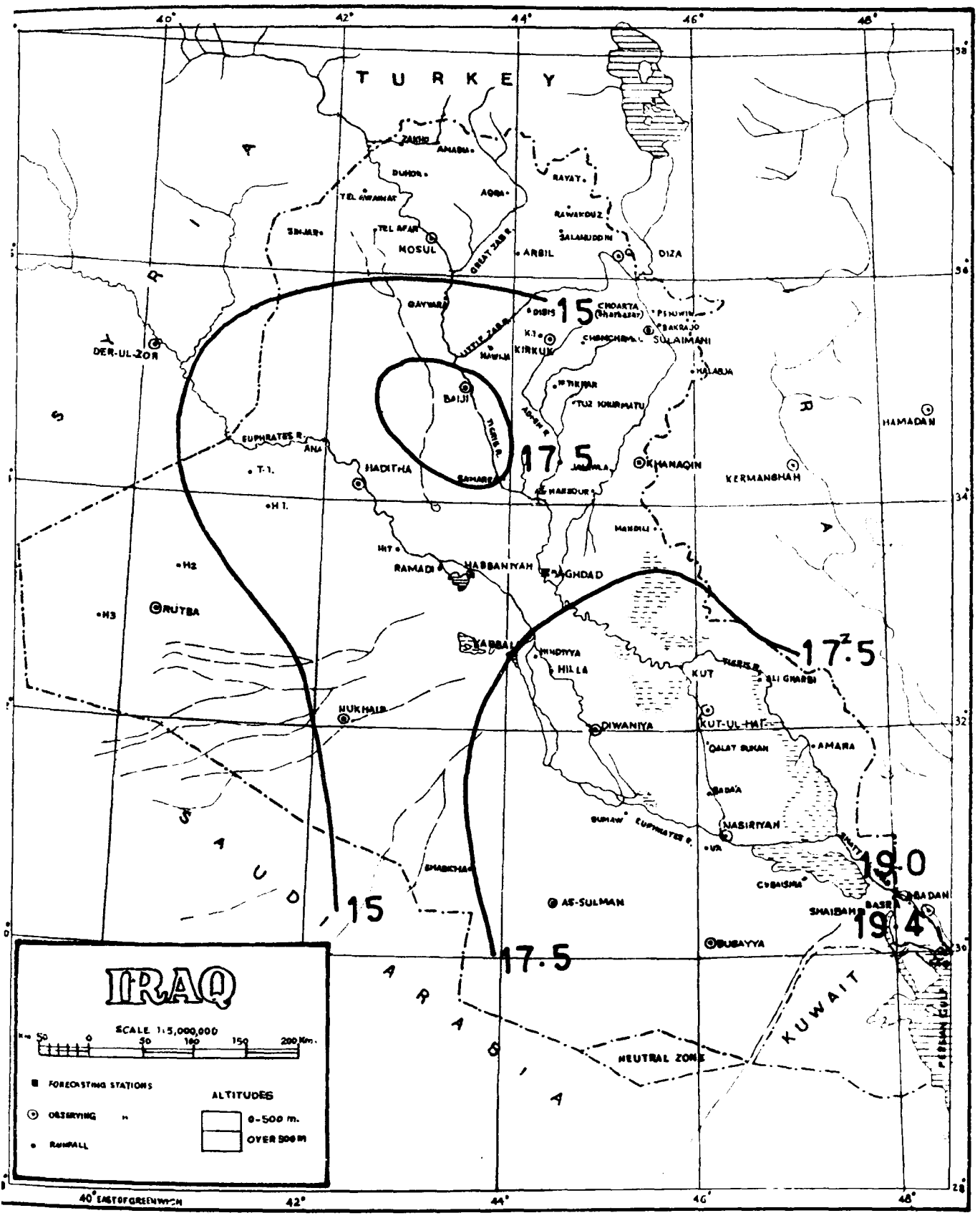


TEMPERATURE

Mean Monthly Temperature

period of records see page 2/3

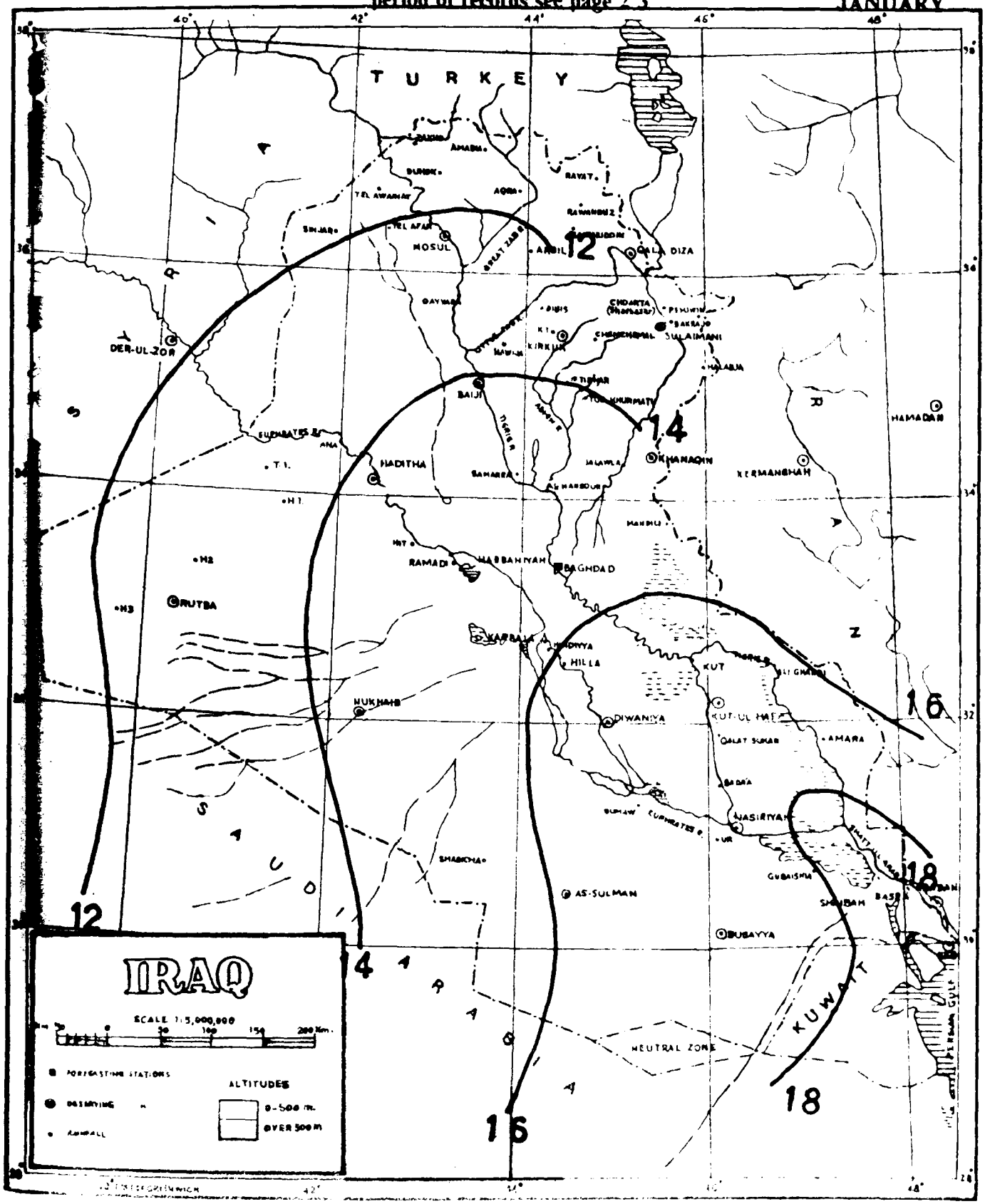
NOVEMBER



SURVEY PRESS BAGHDAD

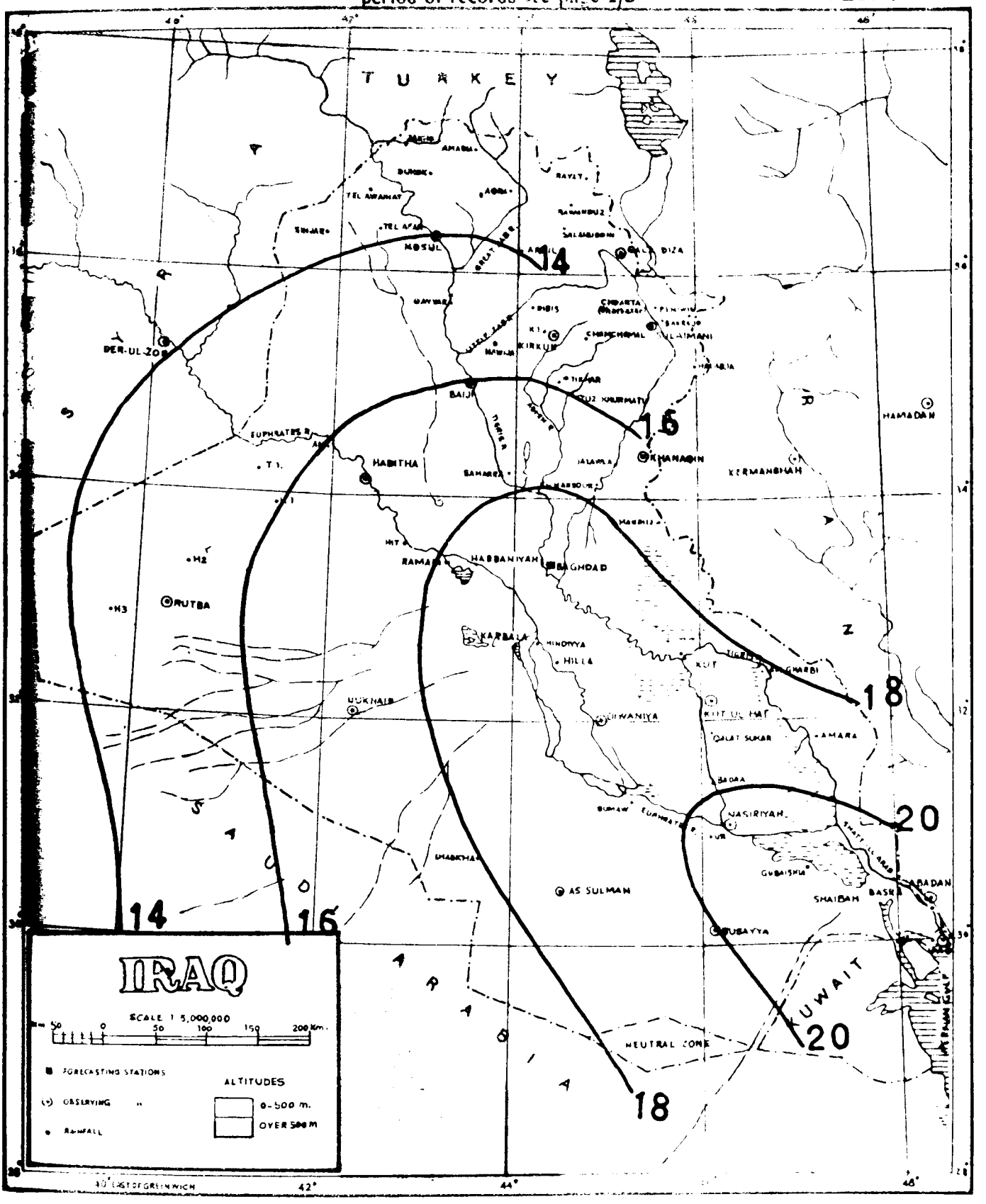
TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2.3

JANUARY



TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2/3

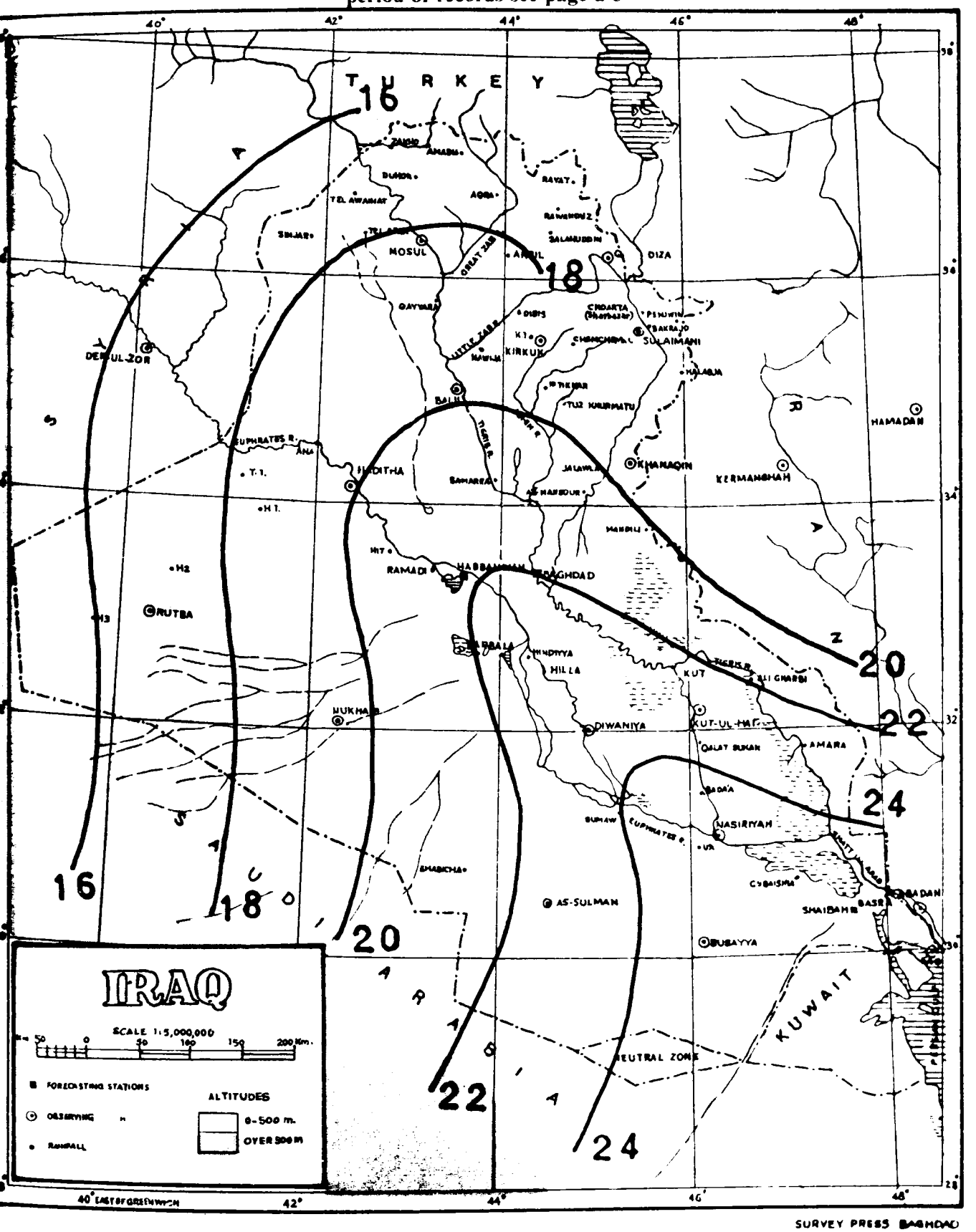
FEBRUARY



PRESS BAGHDAD

TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2/3

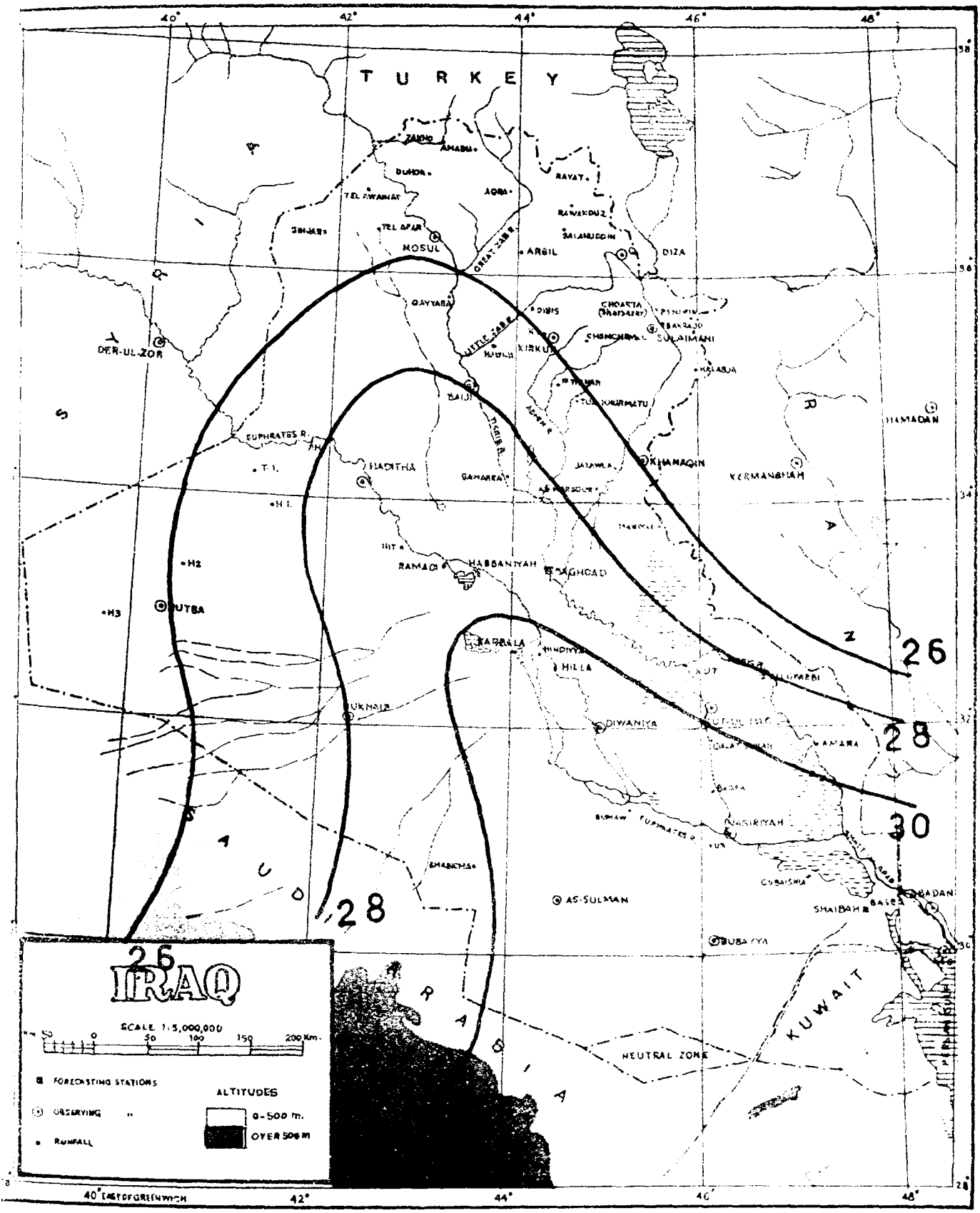
MARCH



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2-3

APRIL



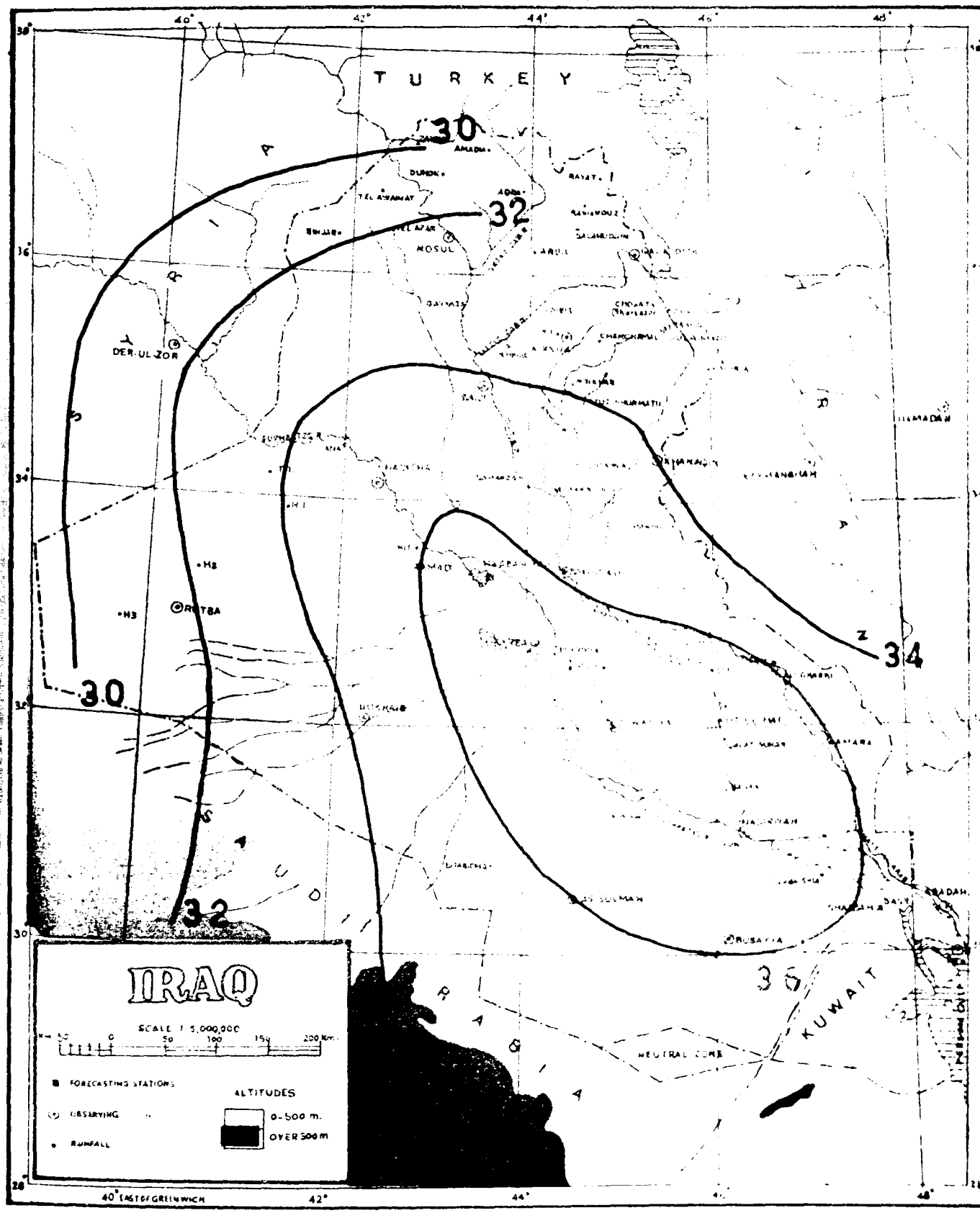
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Maximum (C°)

period of records see page 2 3

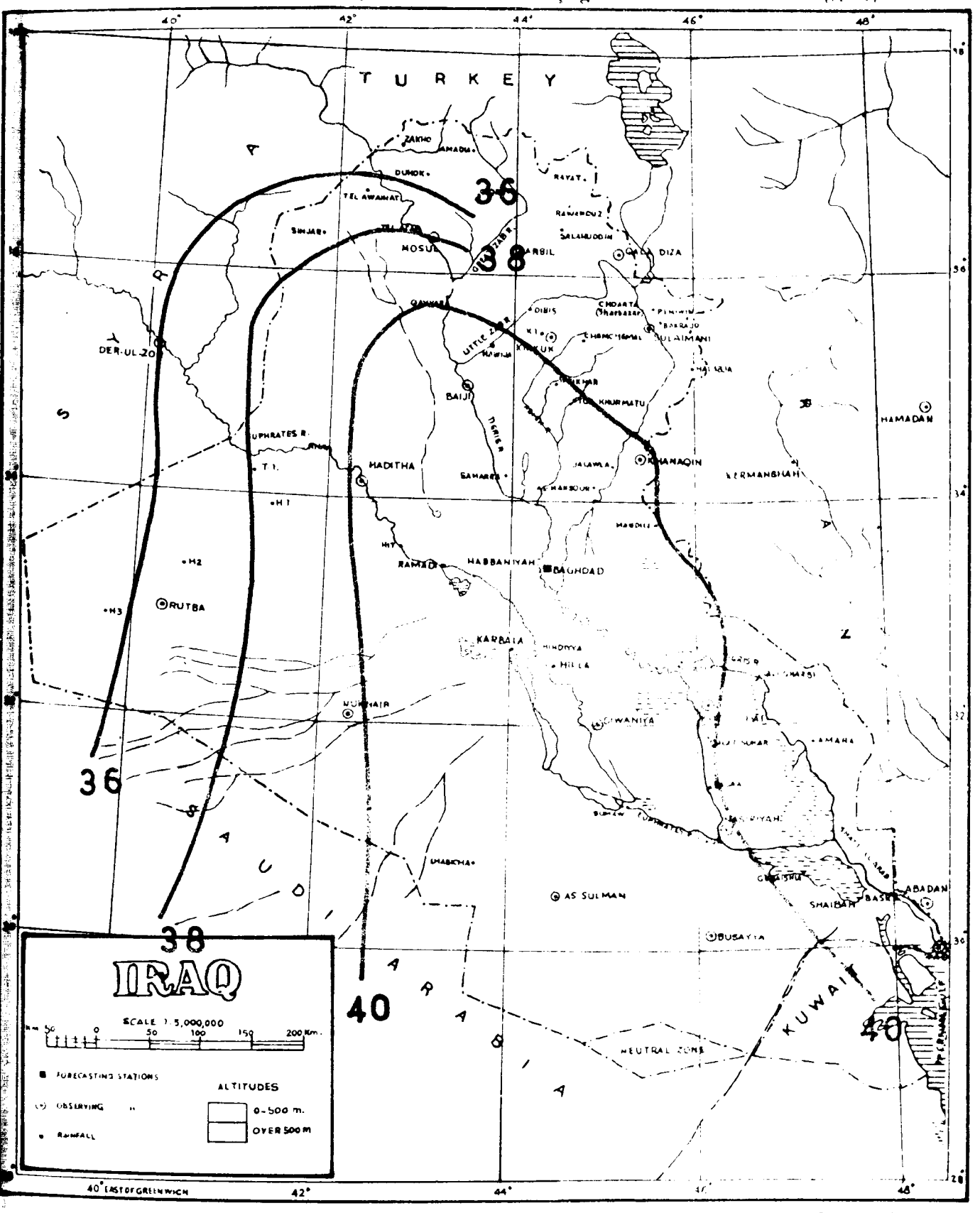
MAY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Maximum (°C)
period of records see page 2[illegible]

JUNE



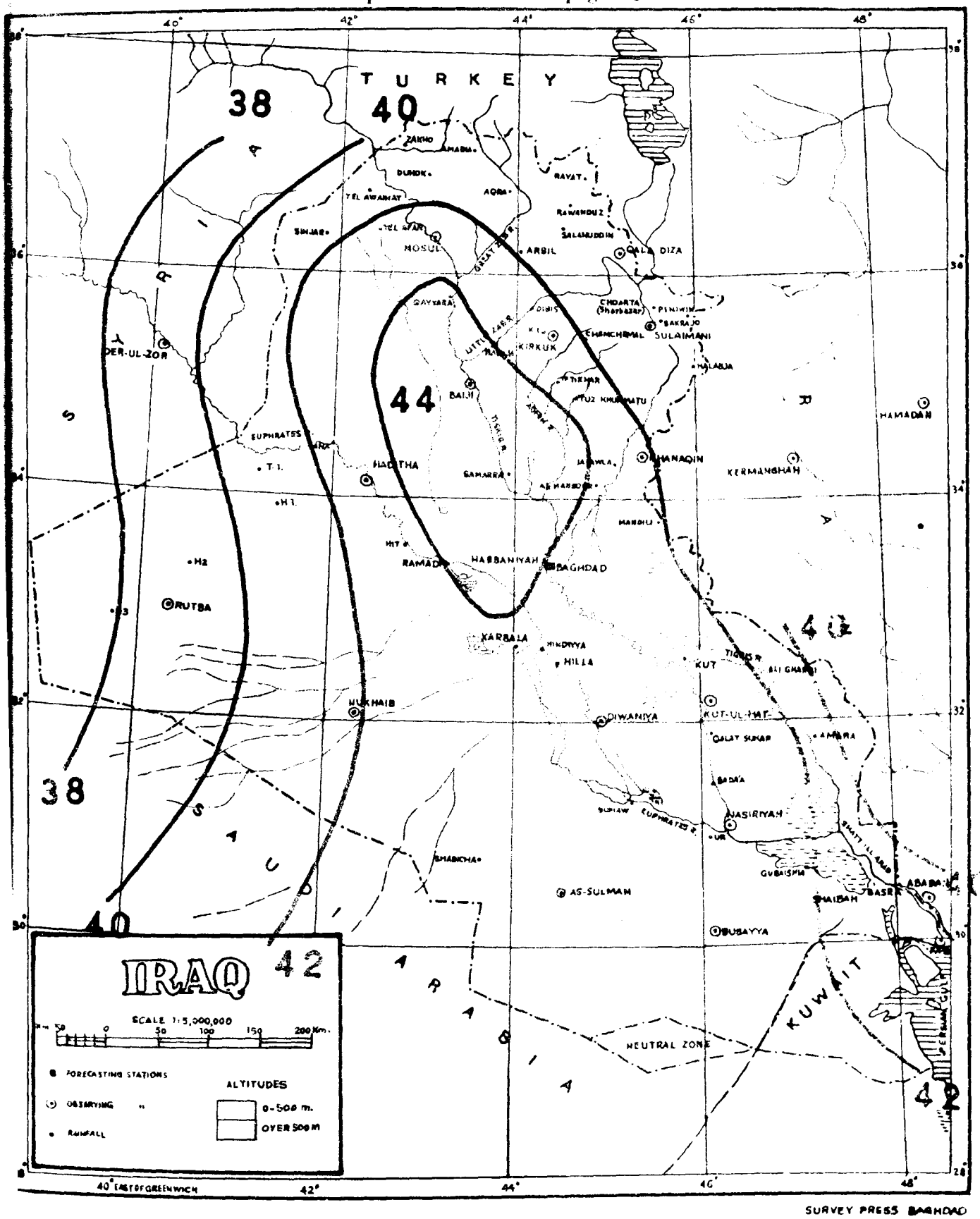
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Maximum (C)

period of records see page 23

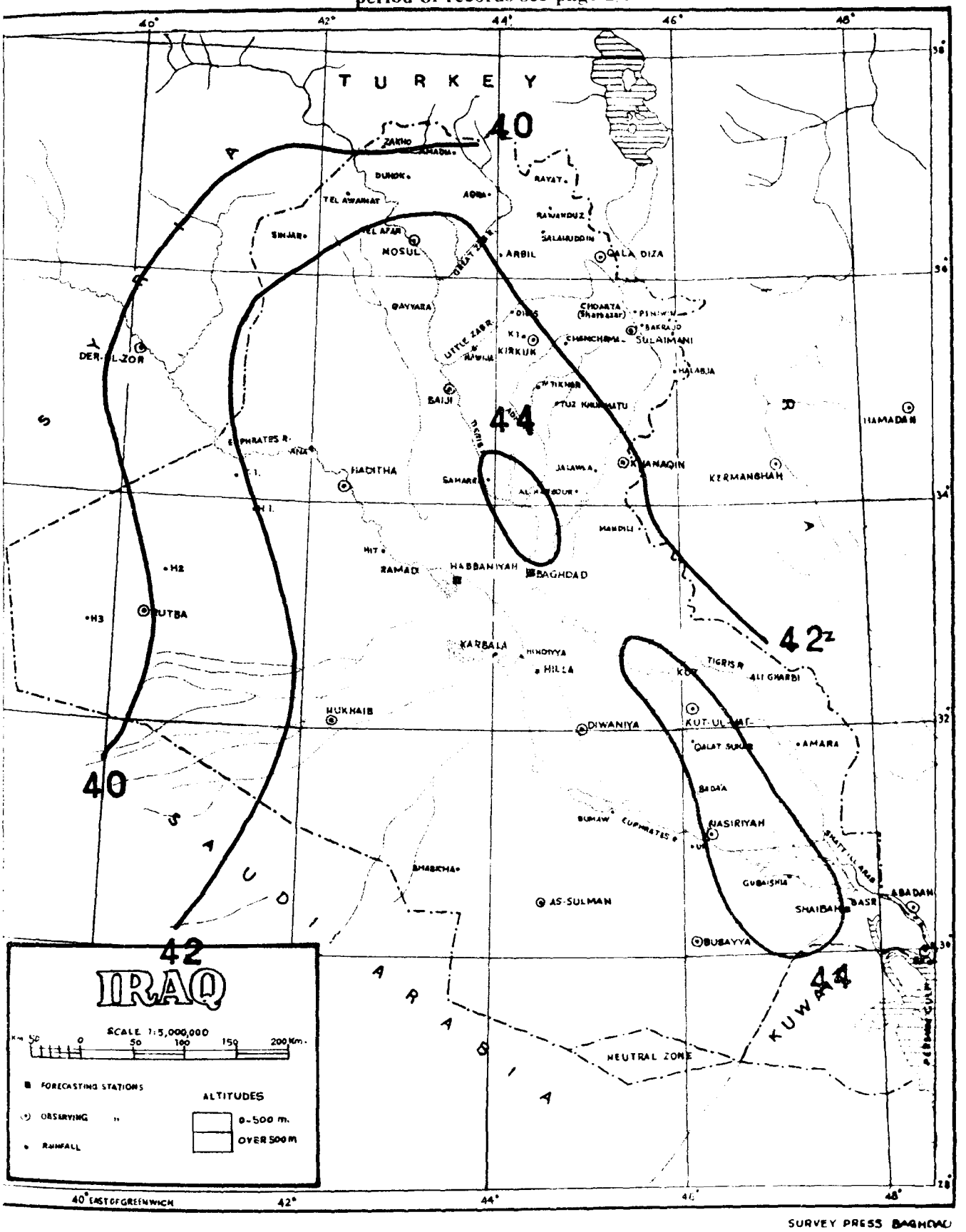
JULY



SURVEY PRESS BAGHDAD

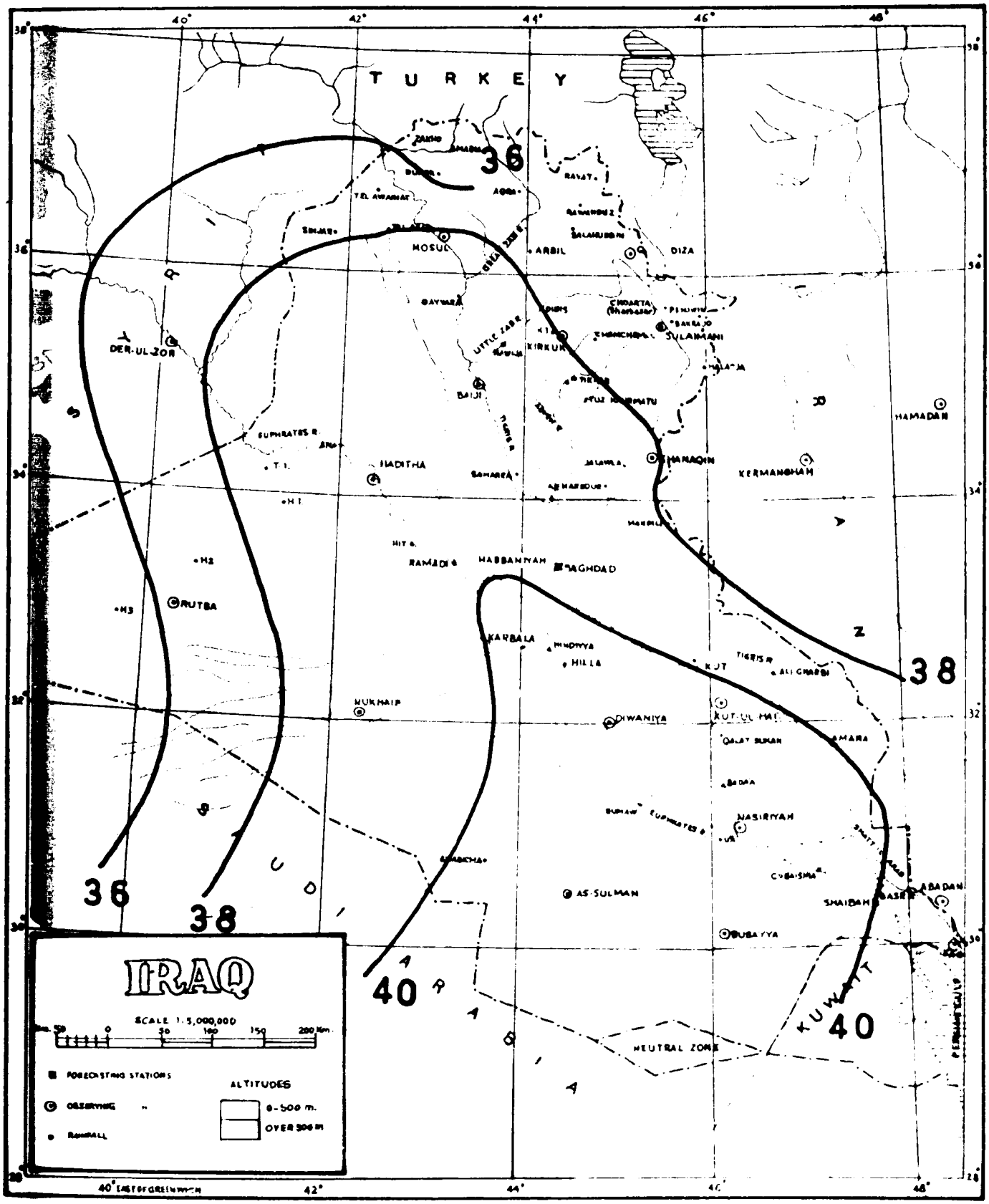
TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2.3

AUGUST



TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2/3

SEPTEMBER



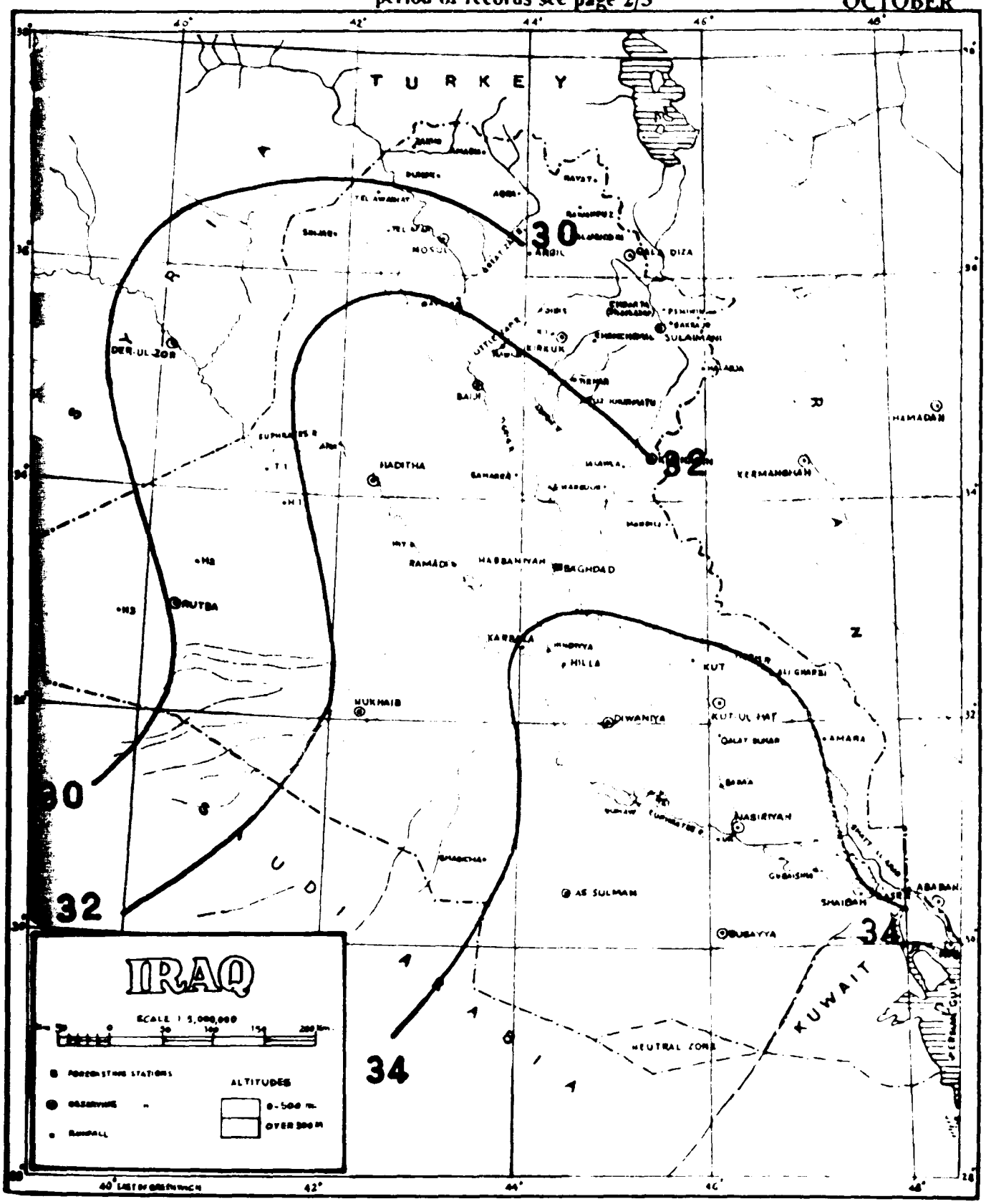
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Maximum (C°)

period of records see page 2/3

OCTOBER



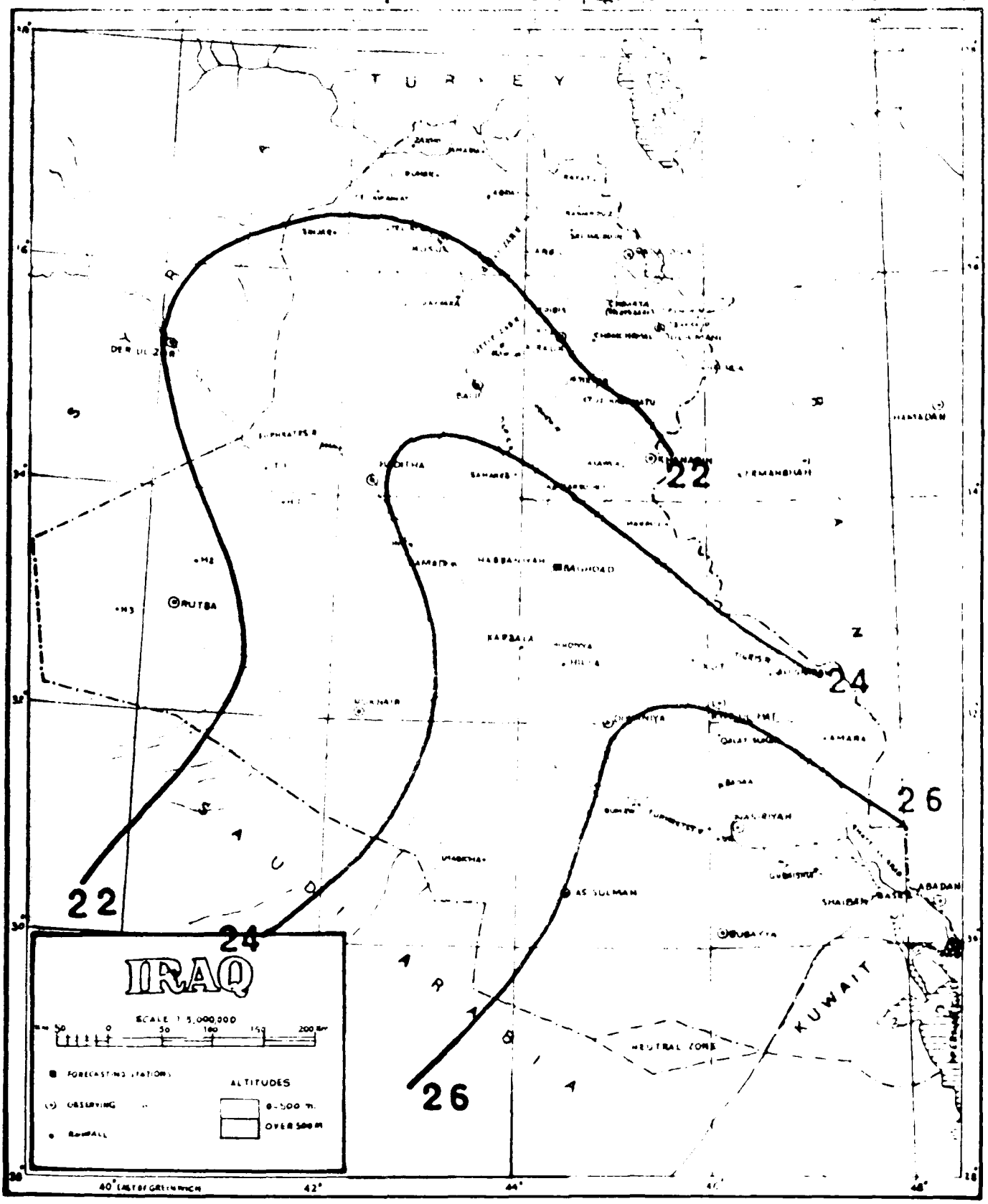
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Maximum (C°)

period of records see page 2.3

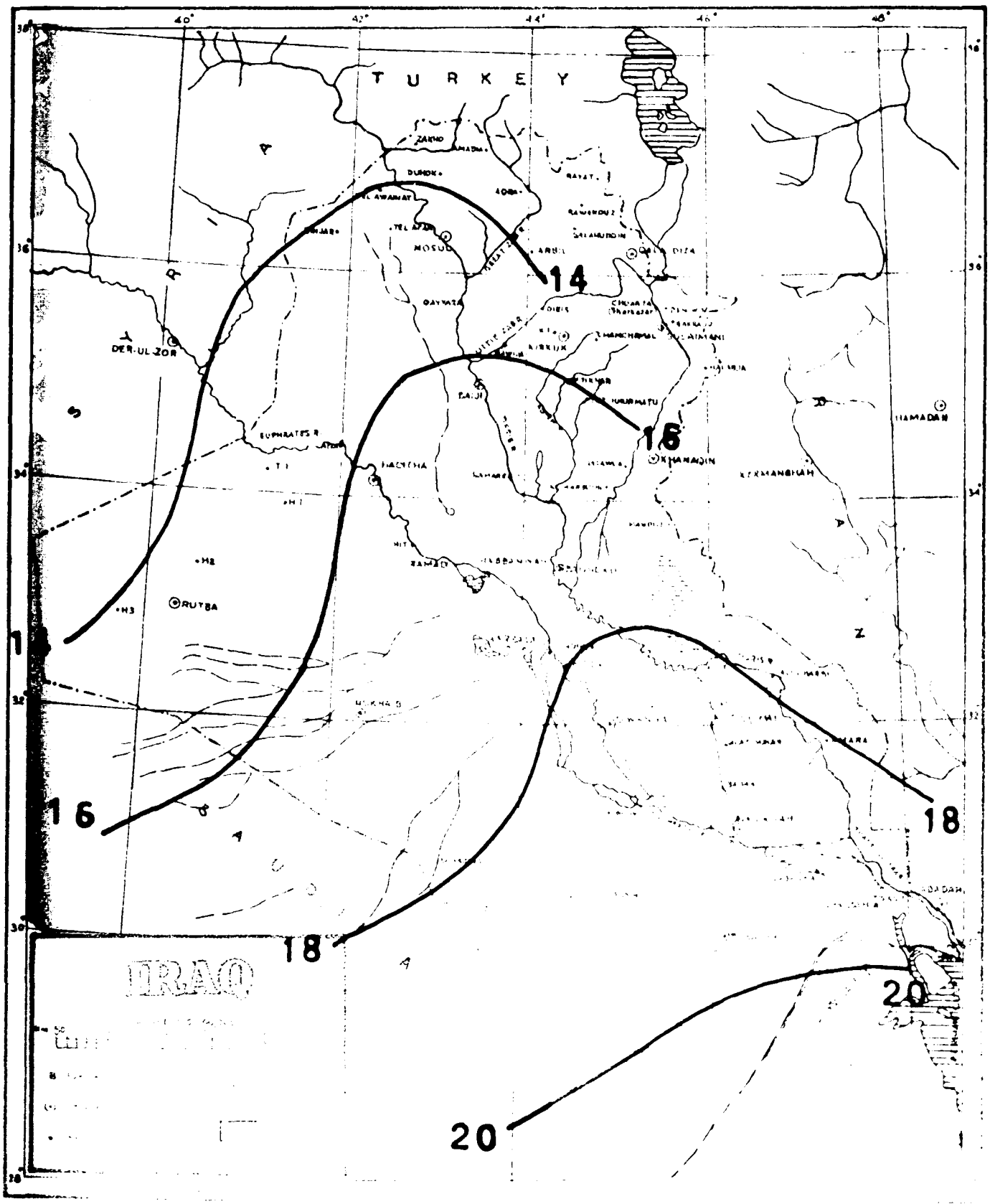
NOVEMBER



SURVEY PRESS BAGHDAD

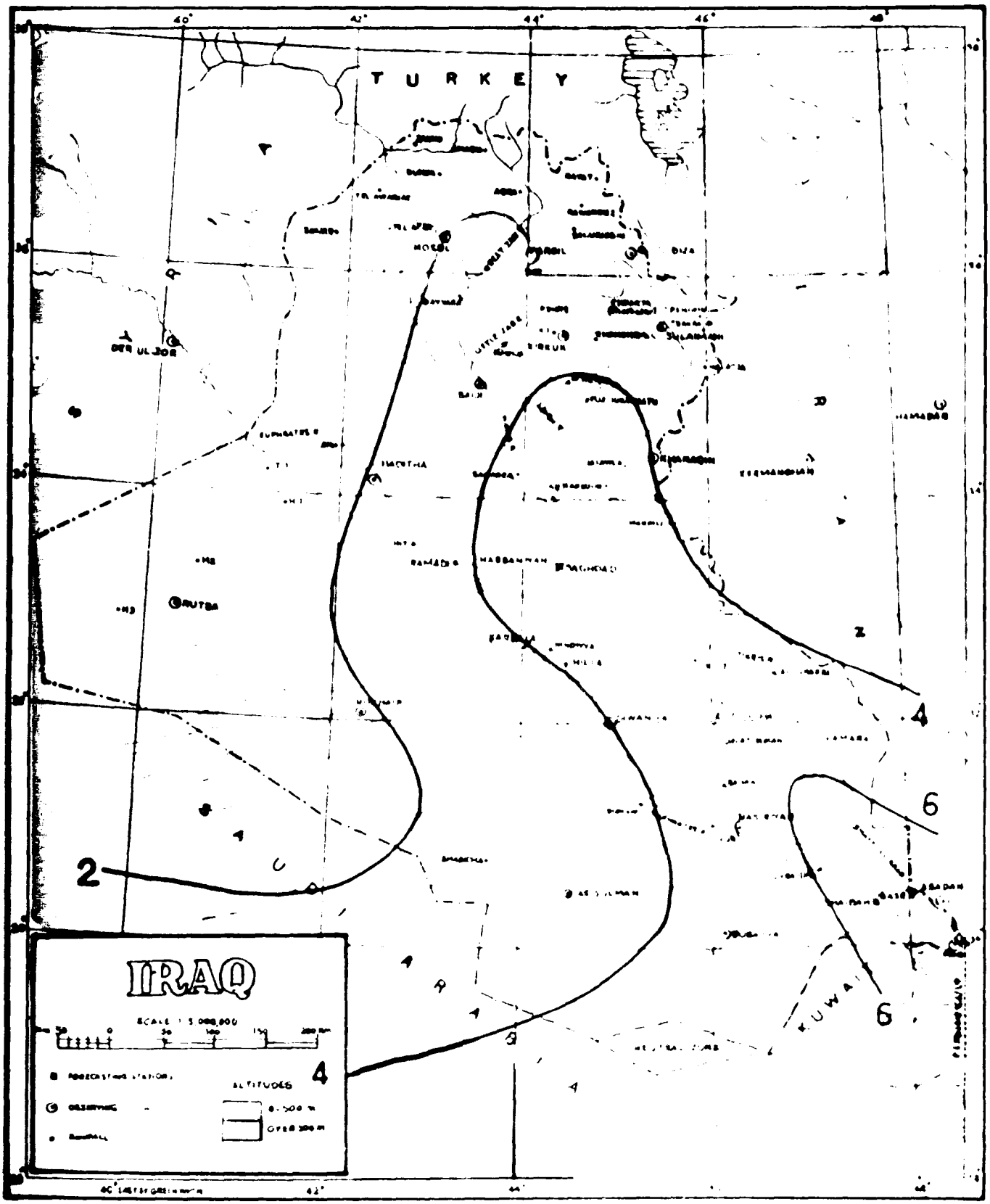
TEMPERATURE
Mean Monthly Maximum (C°)
period of records see page 2/3

DECEMBER



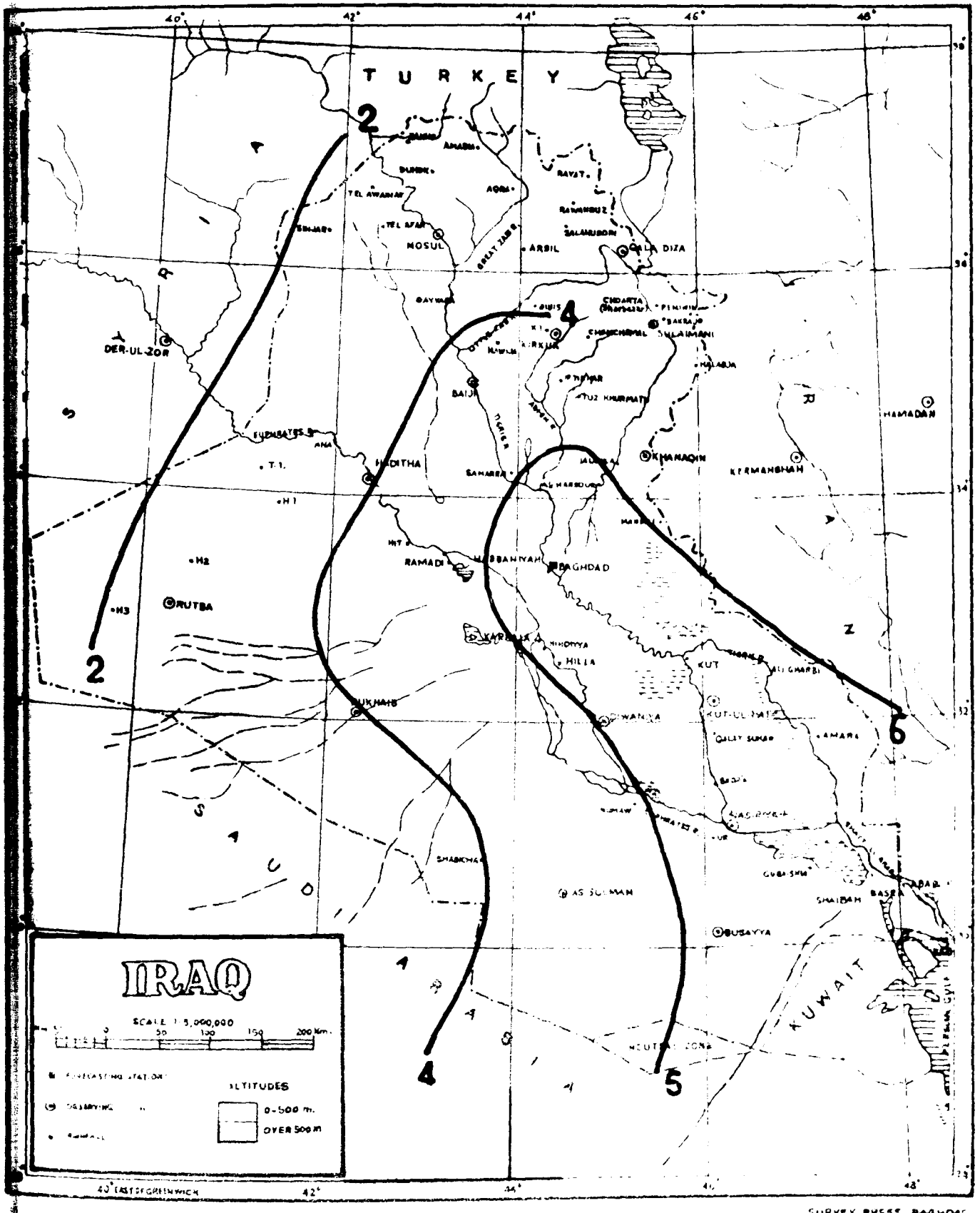
TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

JANUARY



TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

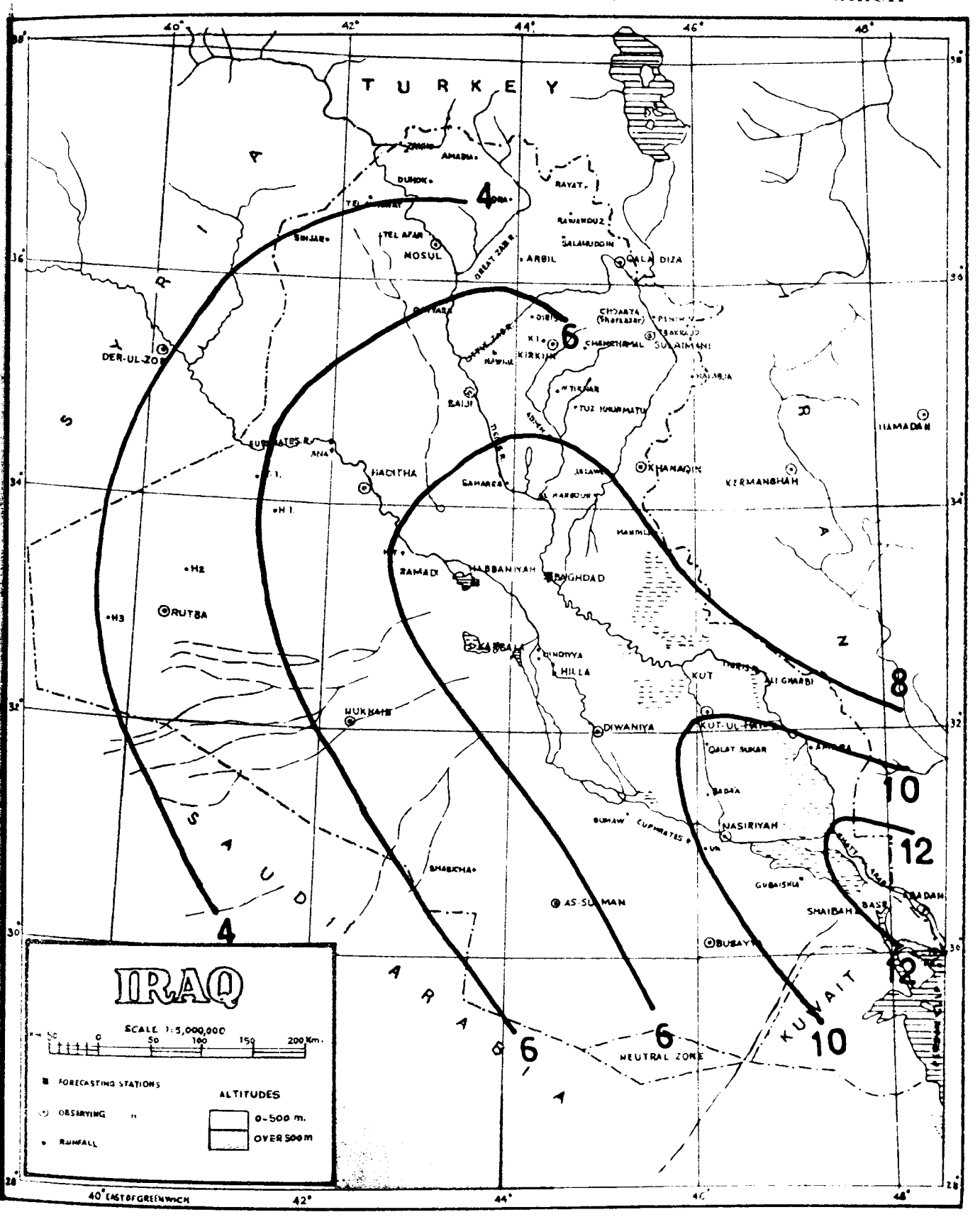
FEBRUARY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

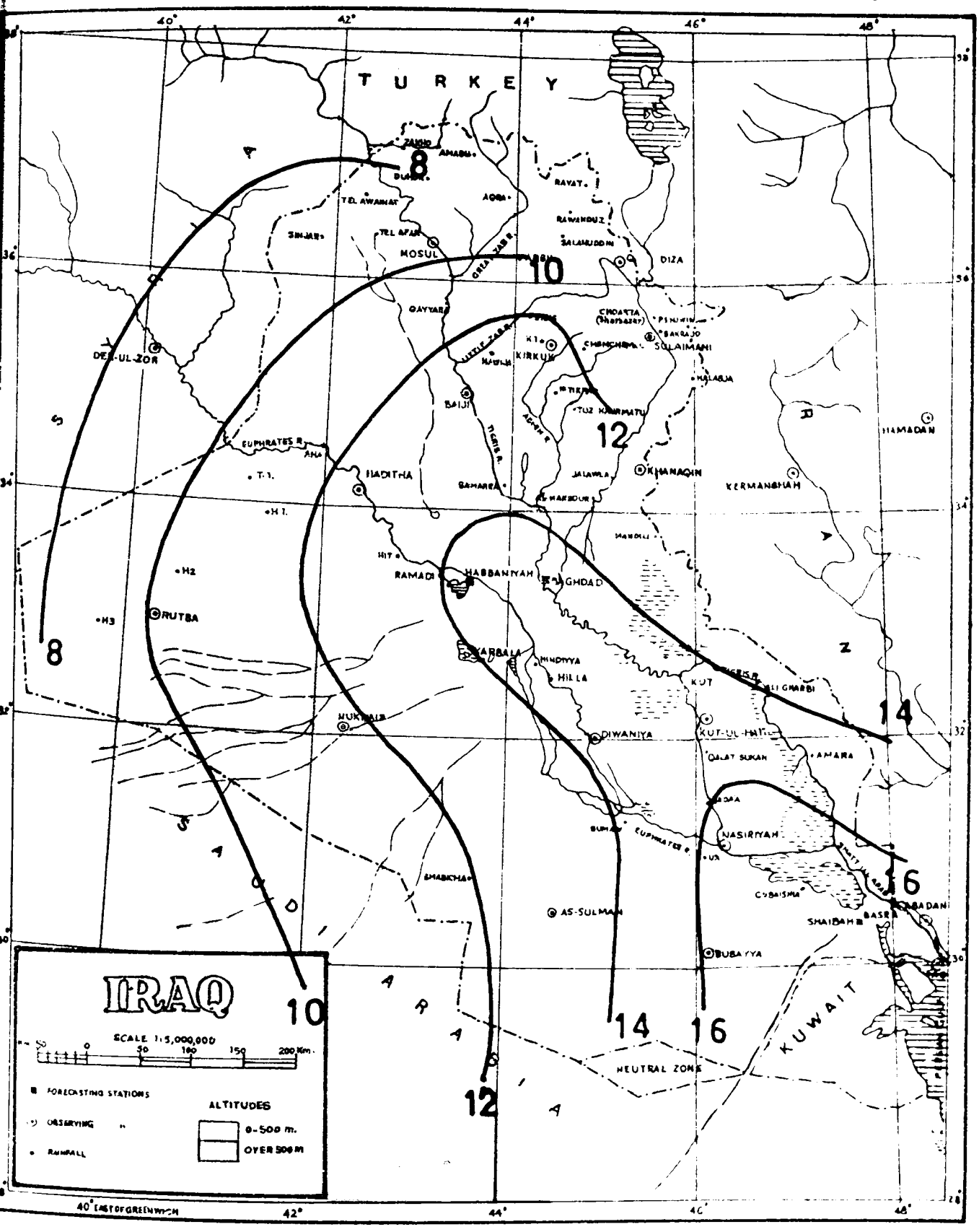
MARCH



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

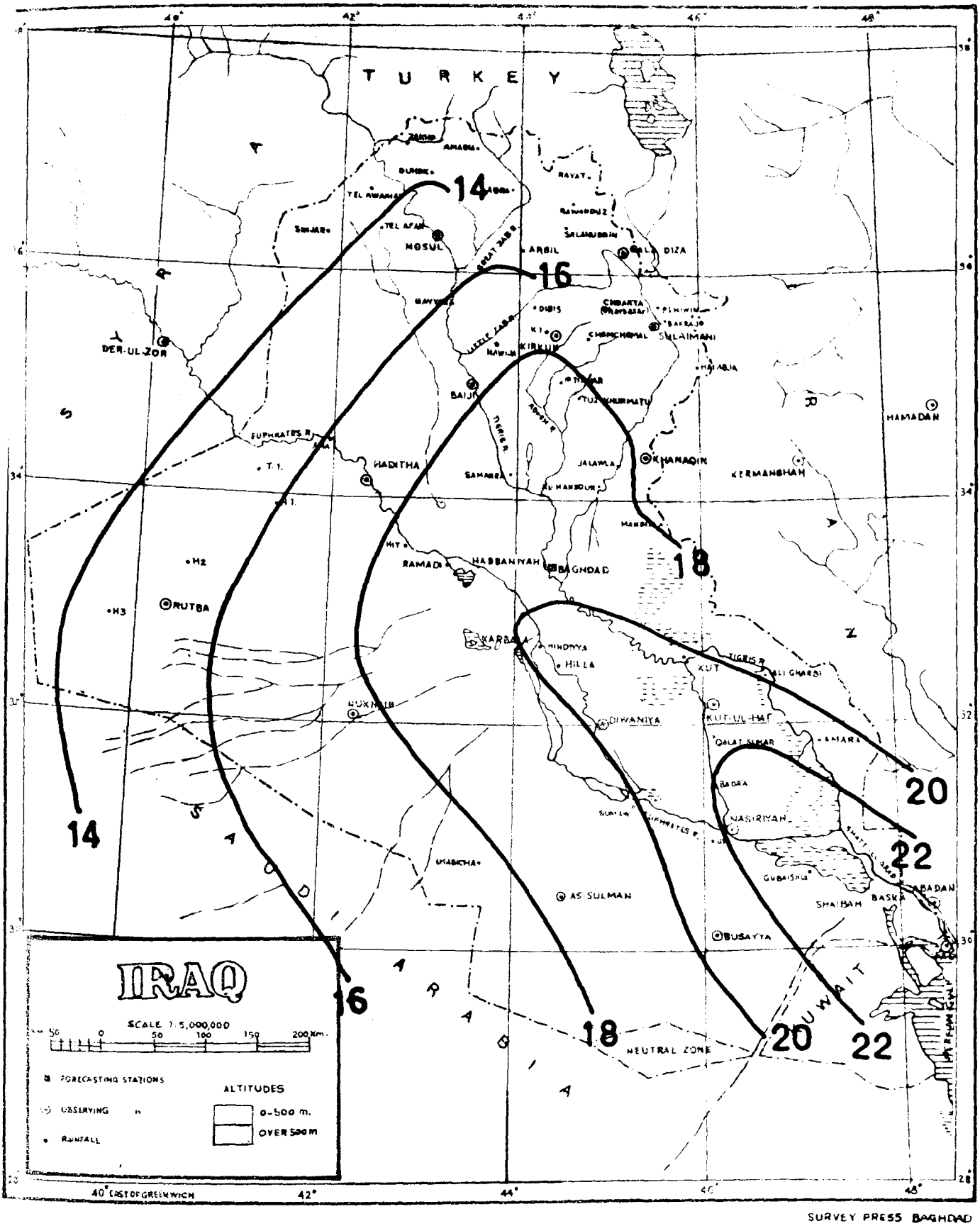
APRIL



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

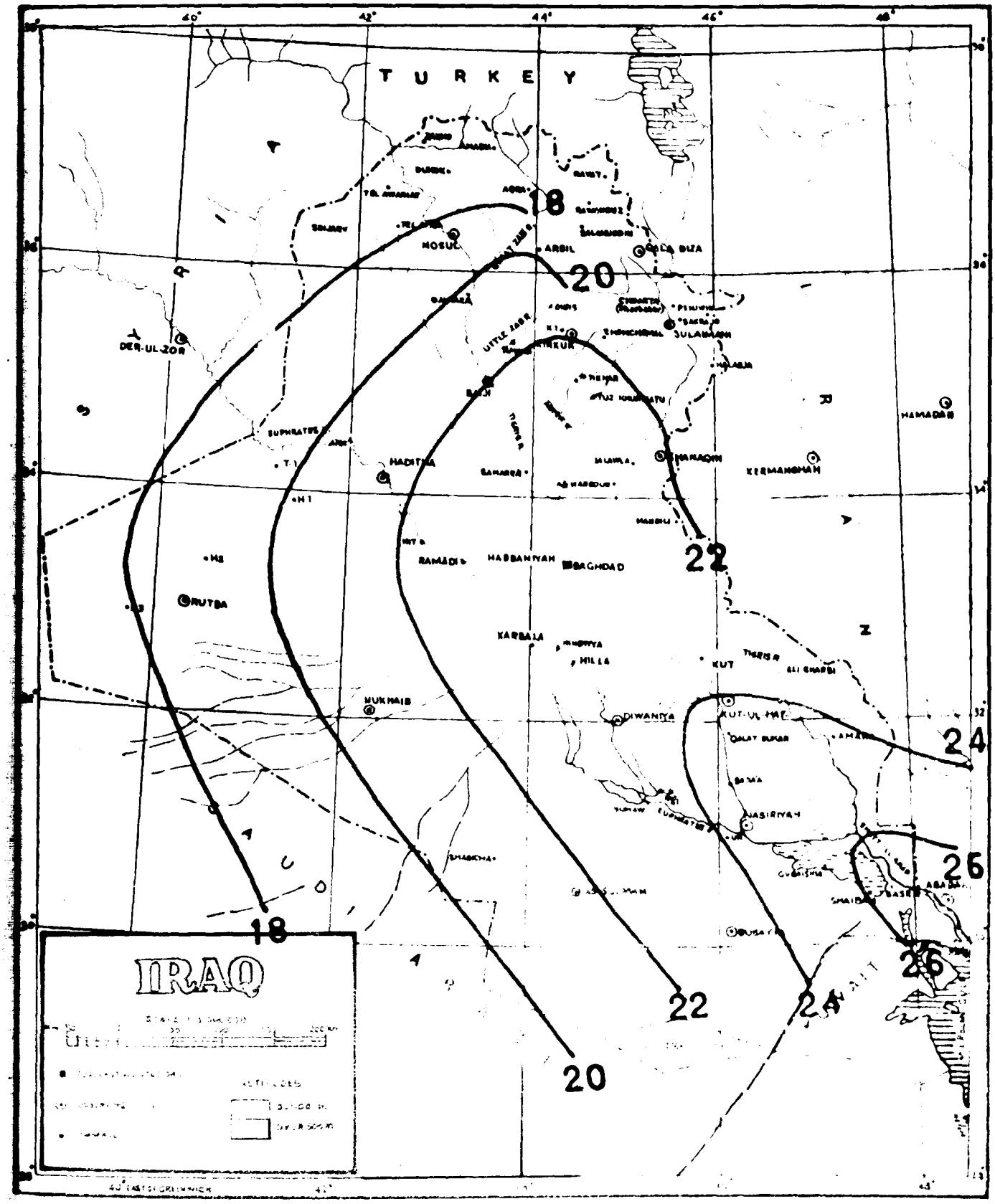
MAY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

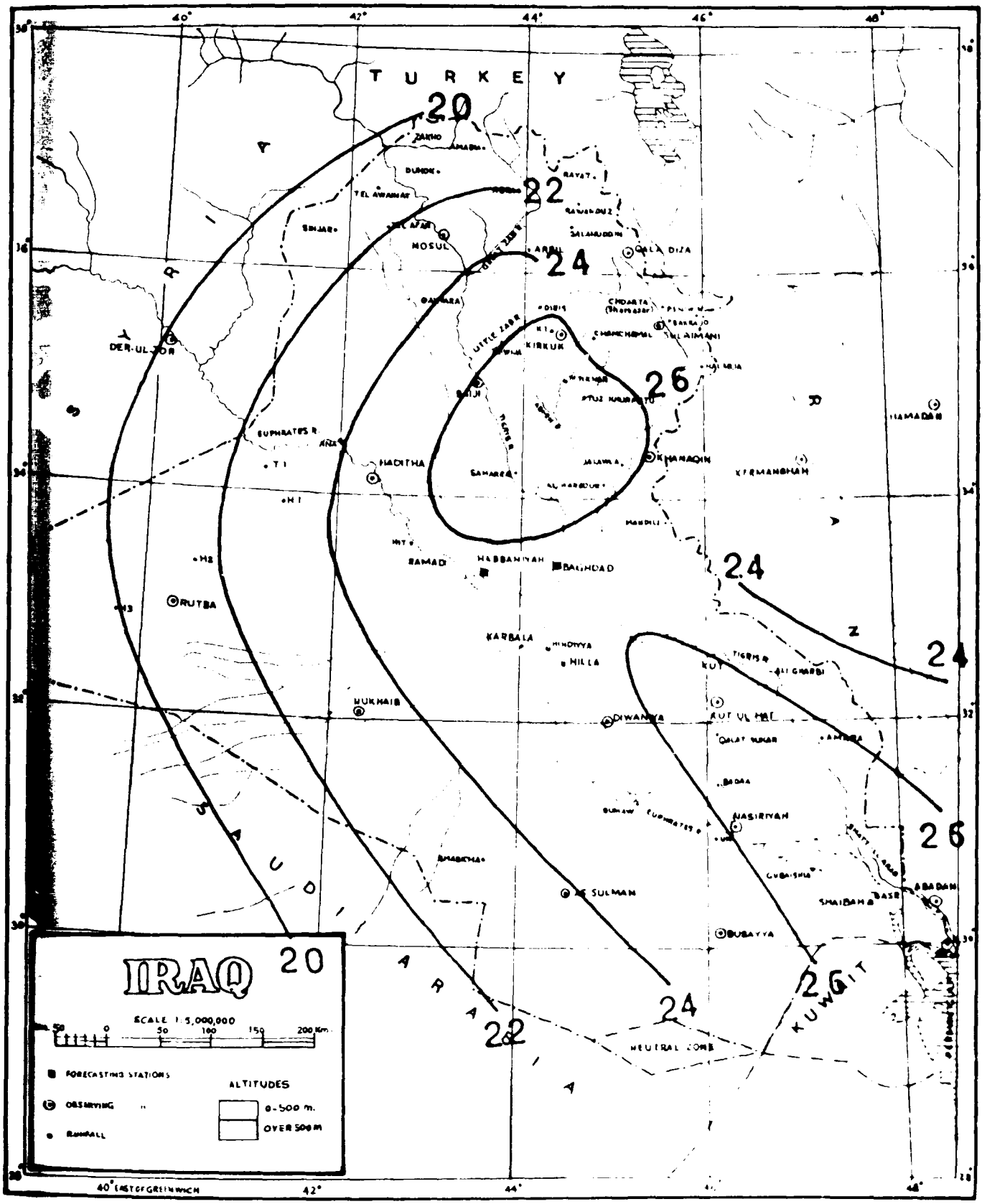
JUNE



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

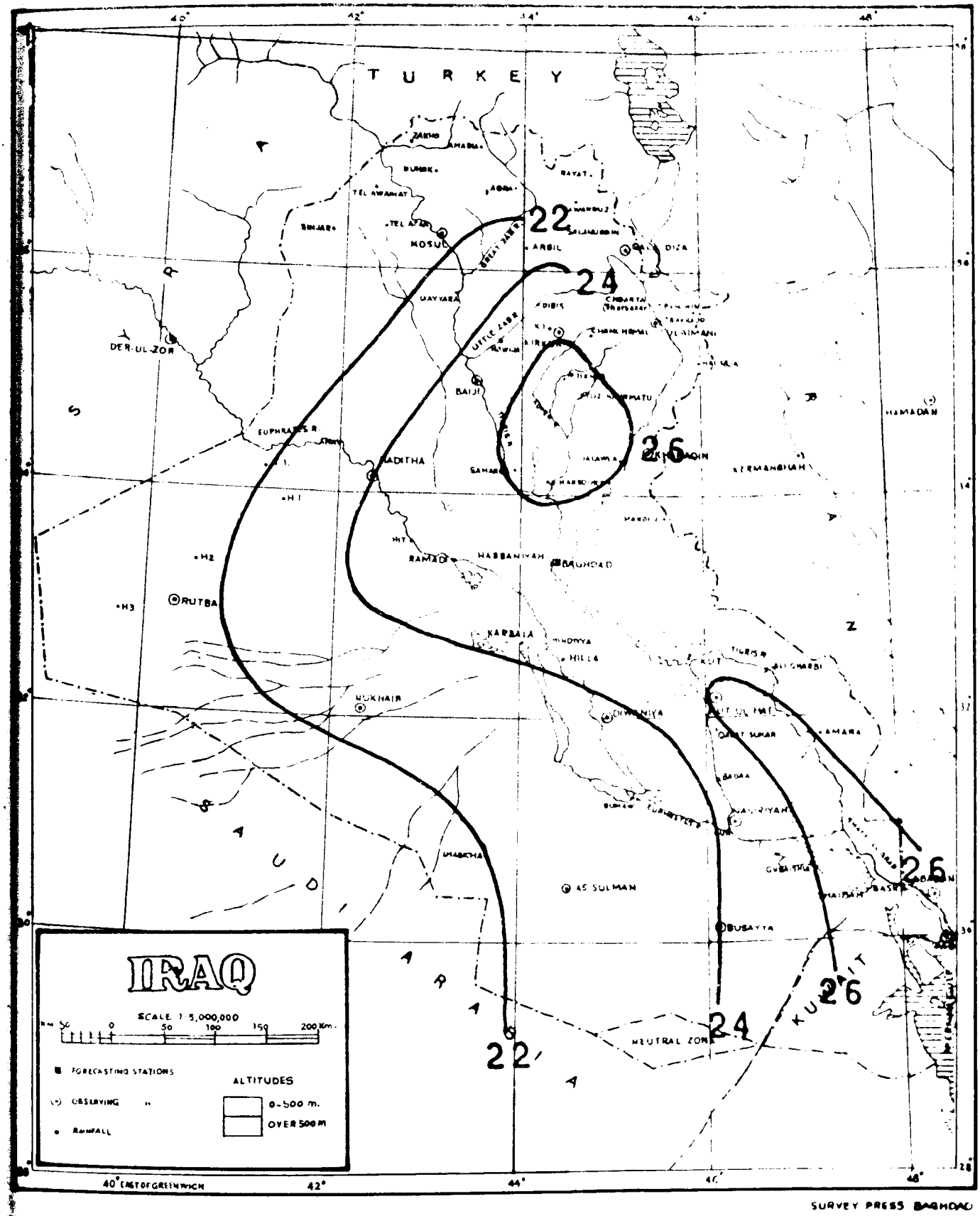
JULY



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

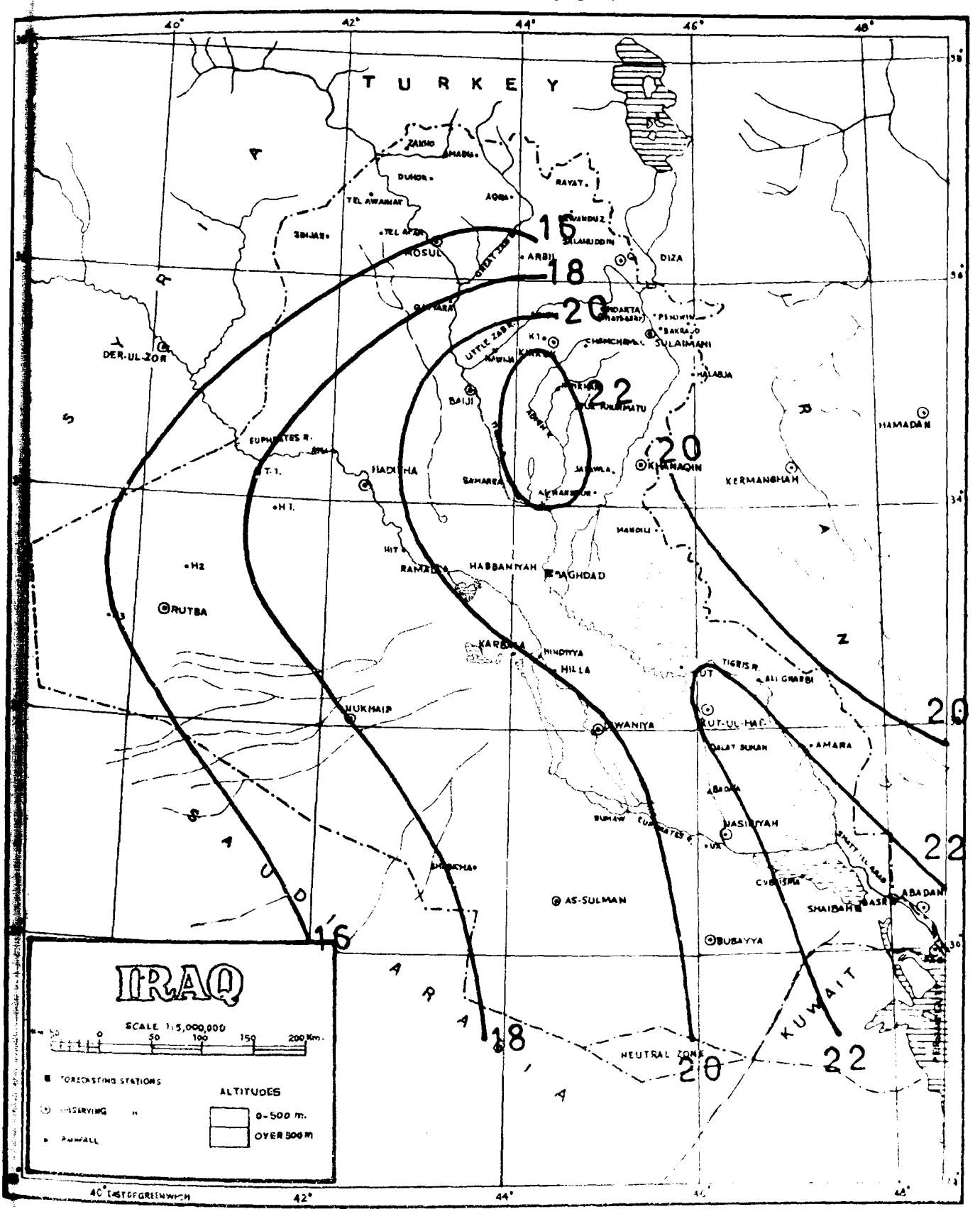
AUGUST



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum ((C°)
period of records see page 2/3

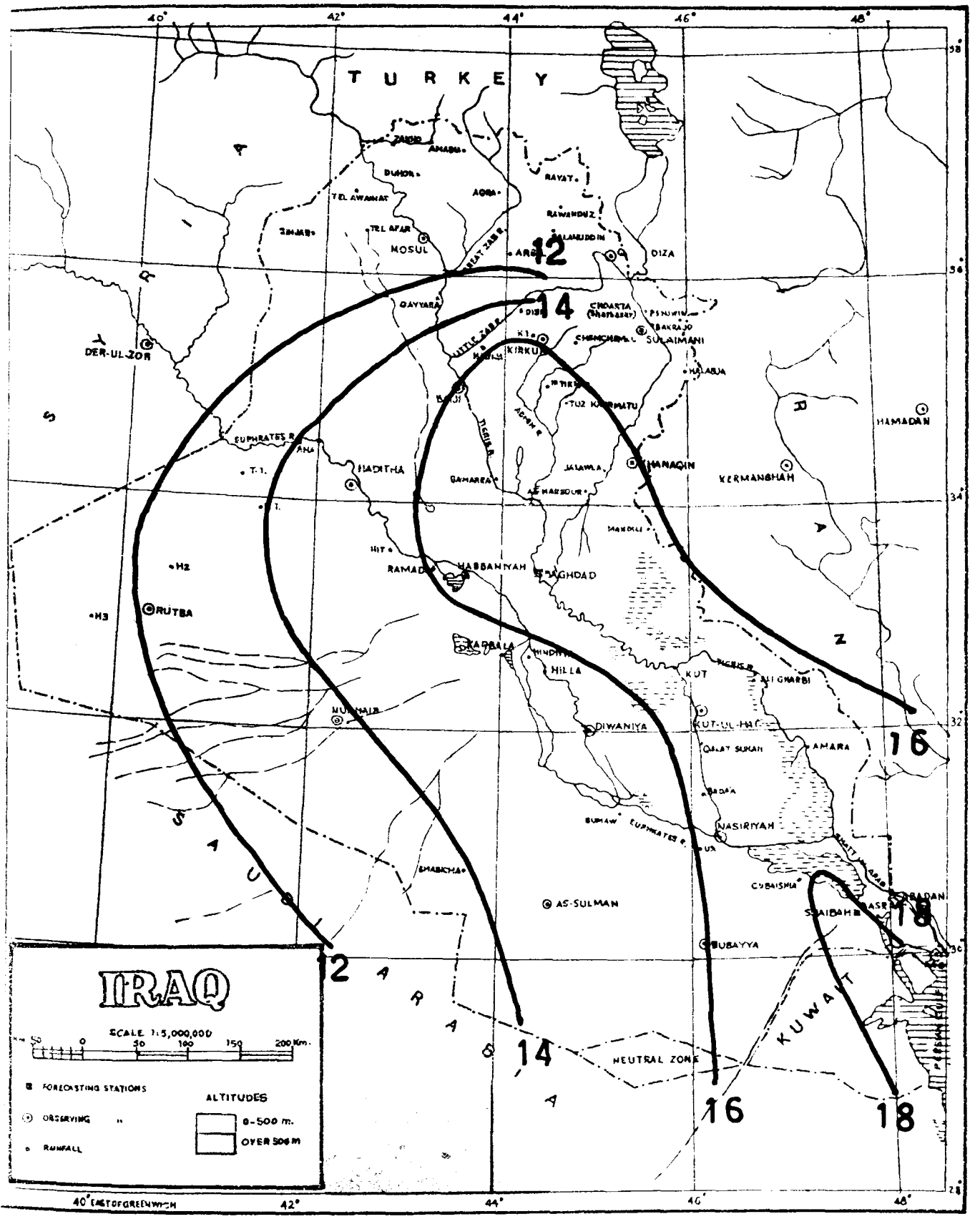
SEPTEMBER



SURVEY PRESS BAGHDAD

TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

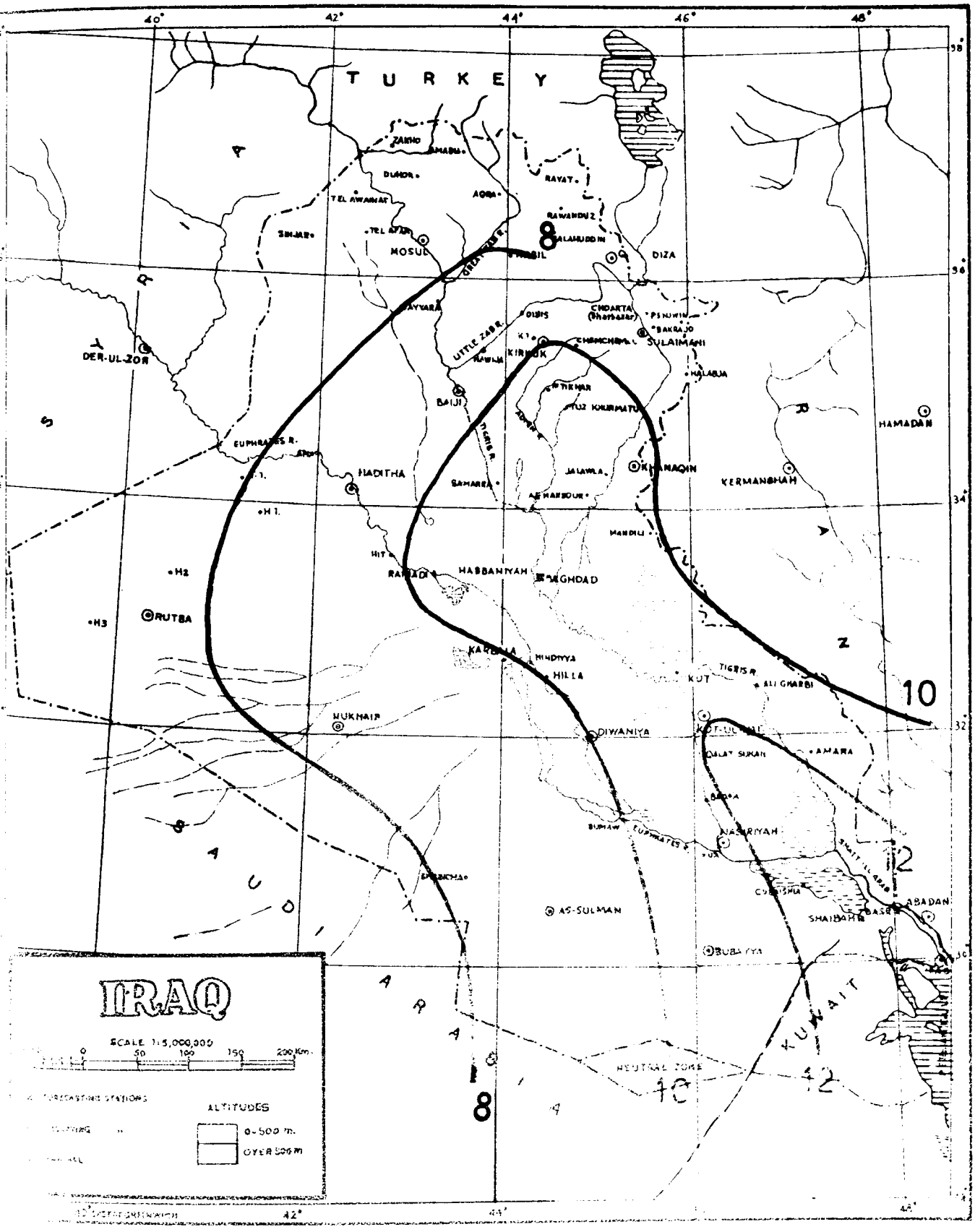
OCTOBER



SURVEY PRESS. BAGHDAD

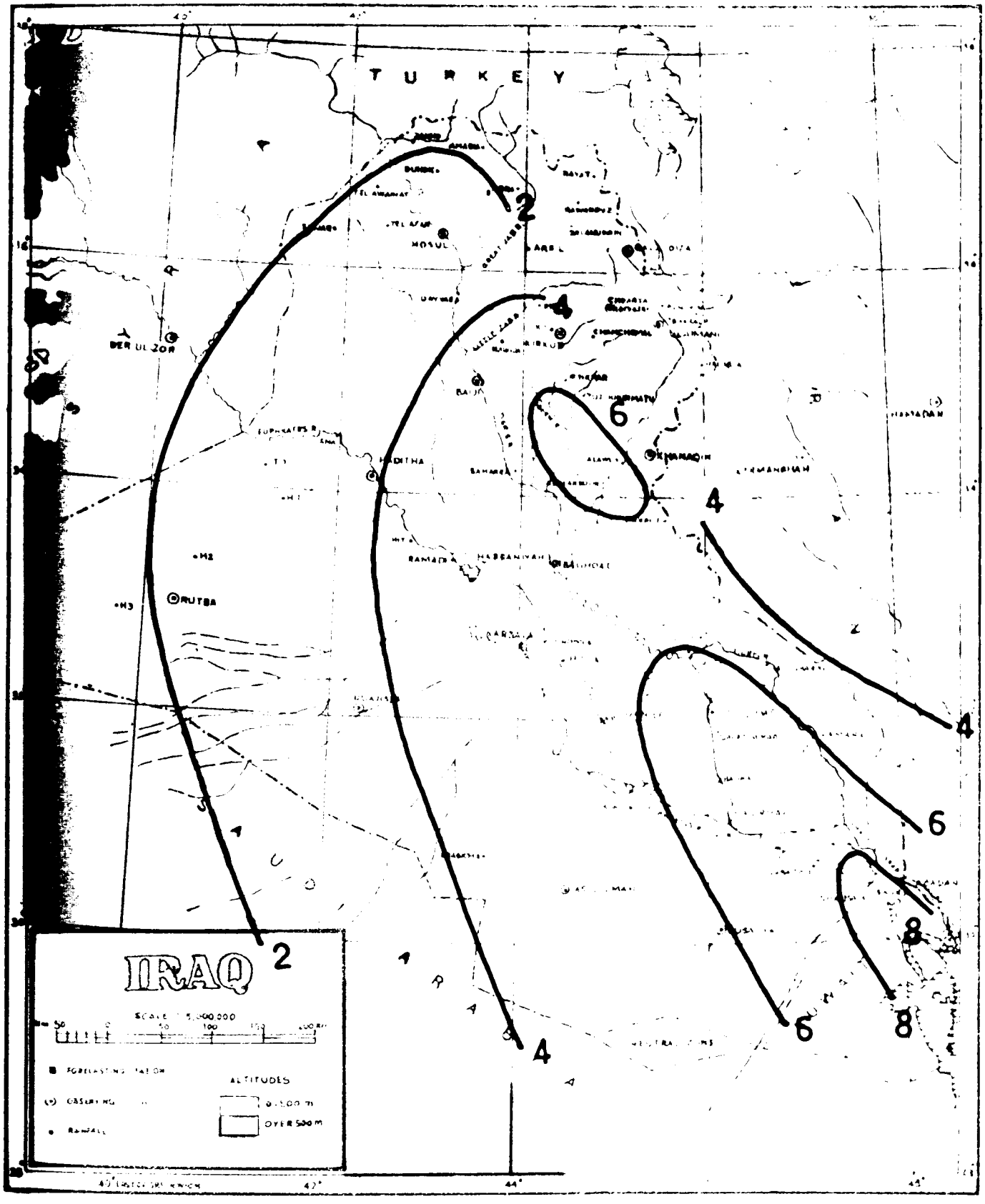
TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

NOVEMBER



TEMPERATURE
Mean Monthly Minimum (C°)
period of records see page 2/3

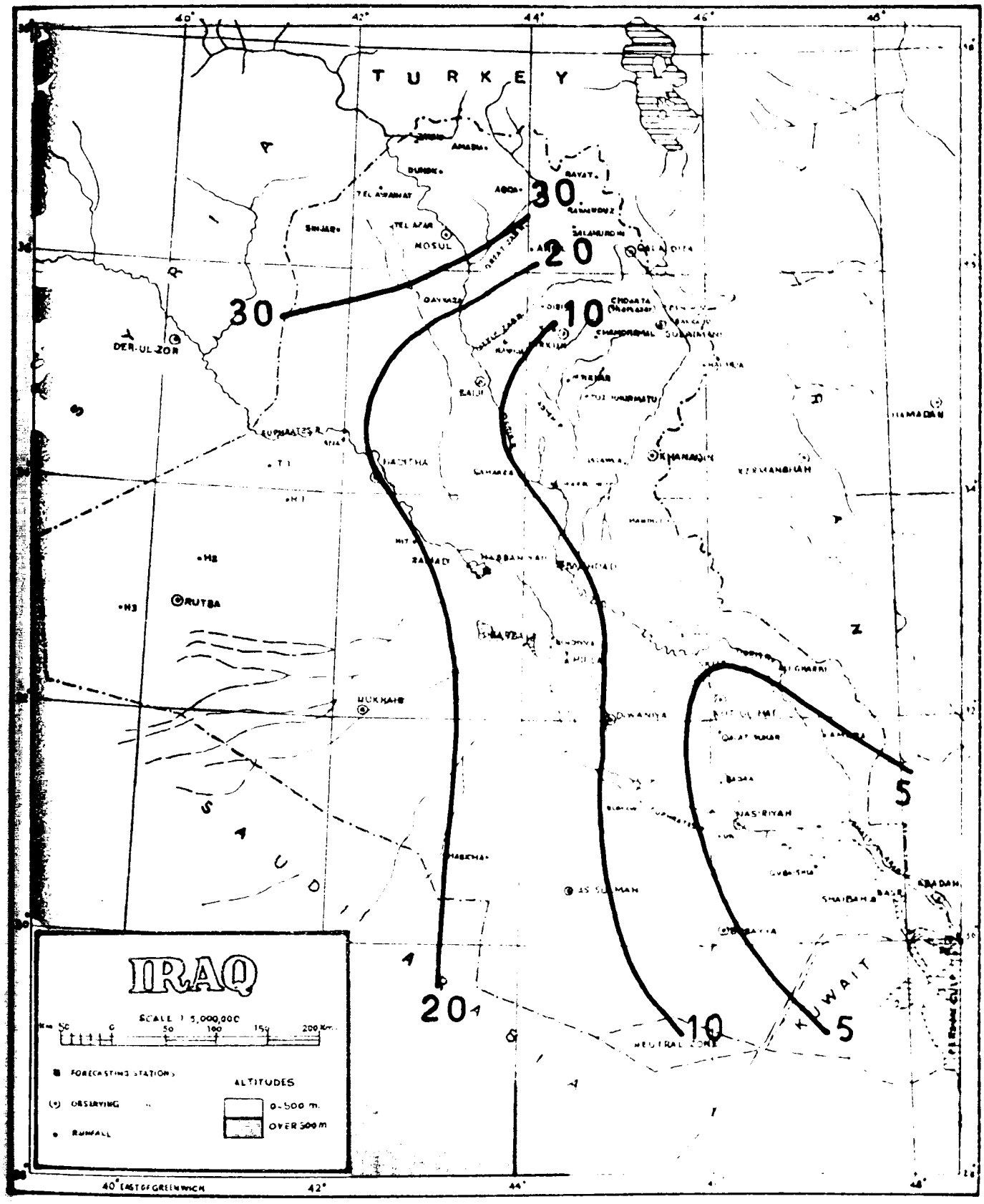
DECEMBER



TEMPERATURE

Mean Annual Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

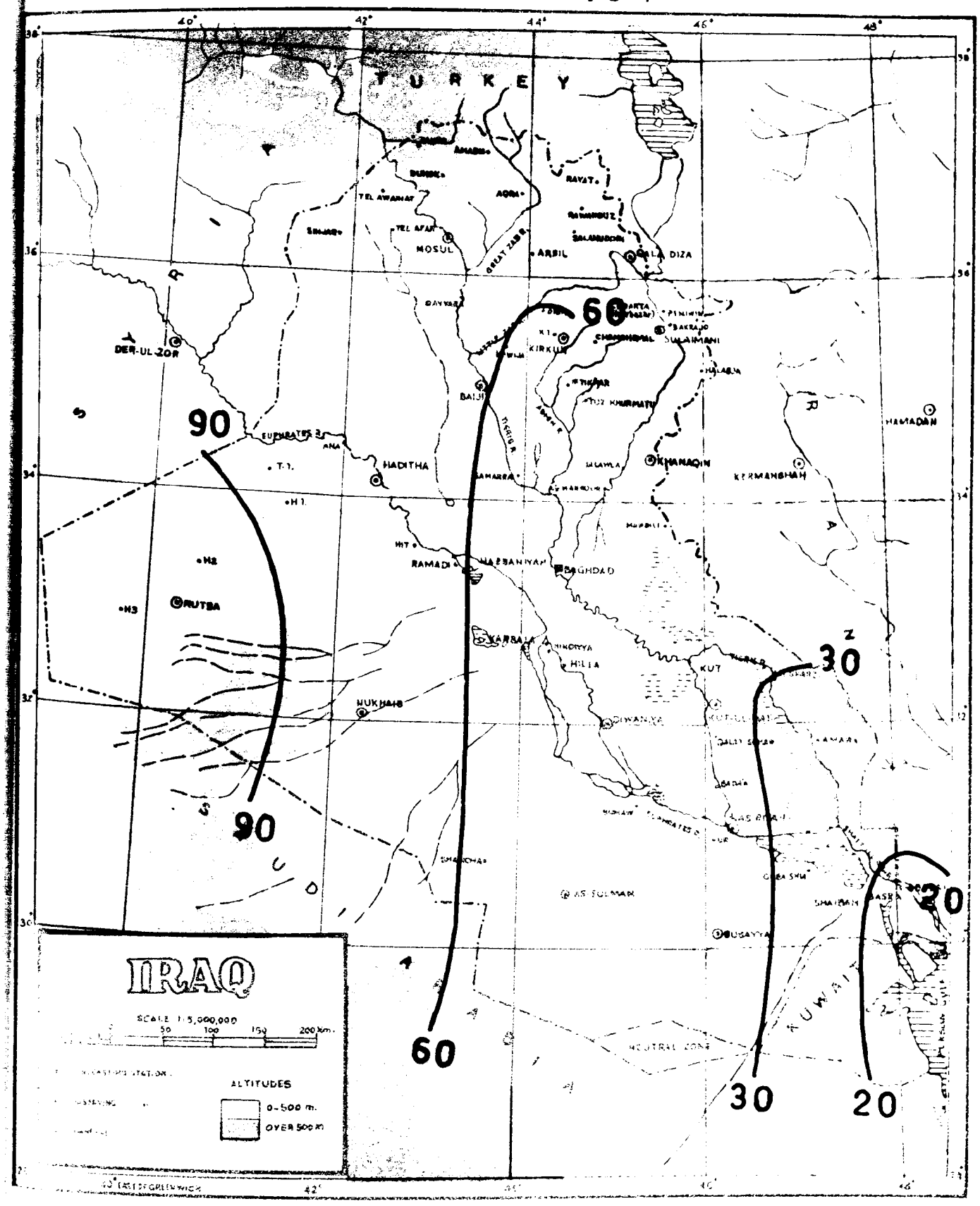


SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Annual Number of Days with Minimum Temperature 5 C° or Less

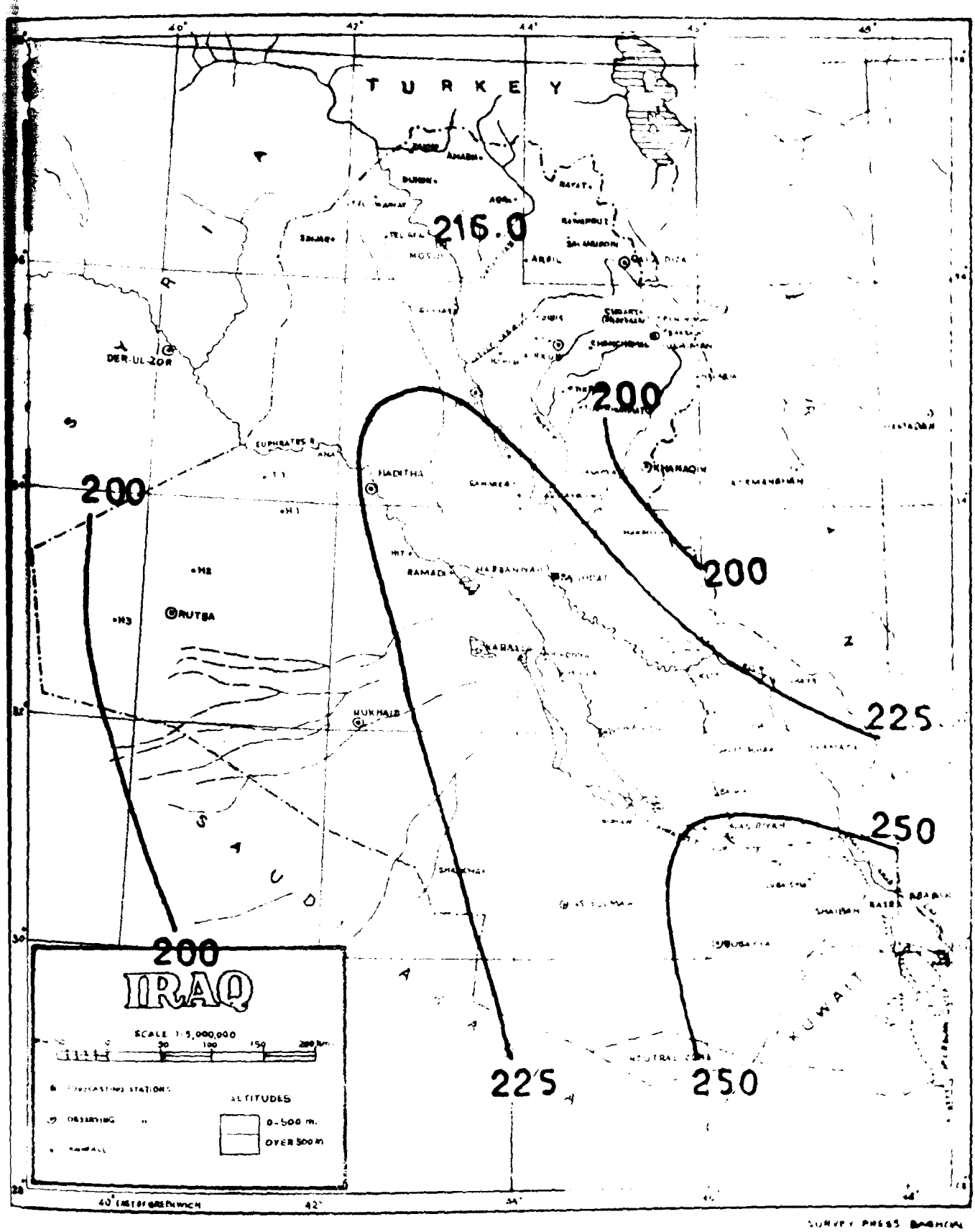
period of records see page 2/3



TEMPERATURE

Mean Annual Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

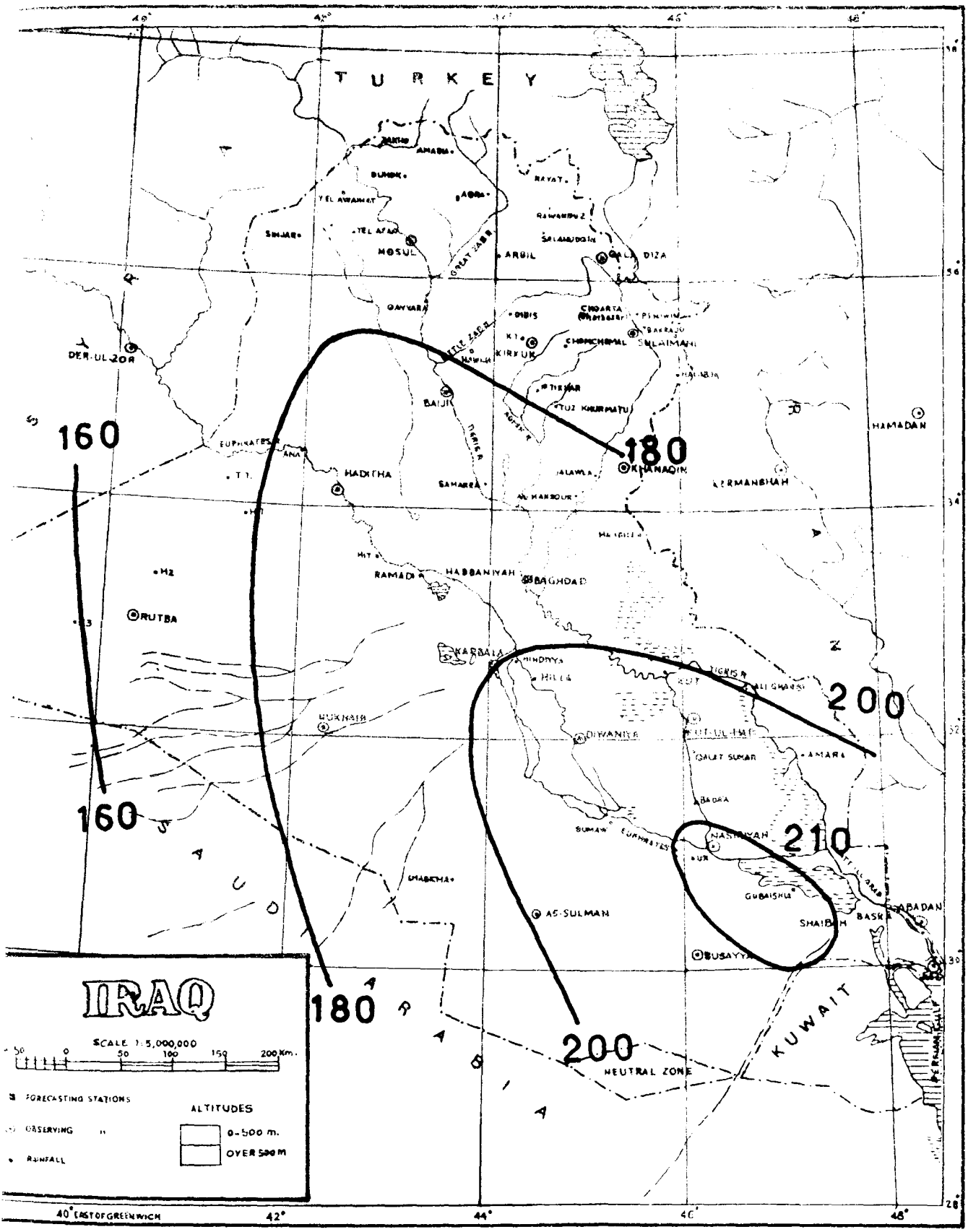


SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Annual Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

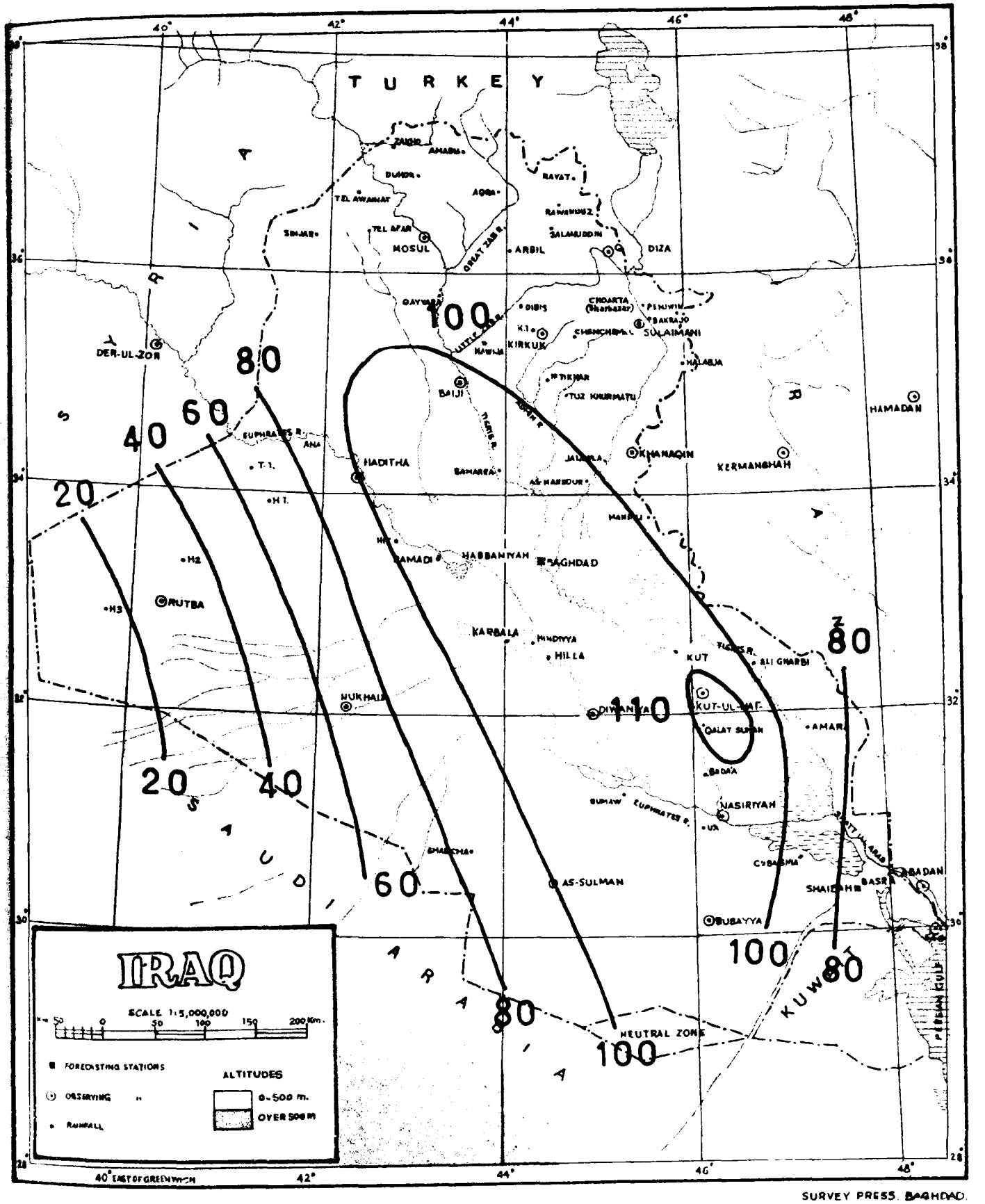


SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Annual Number of Days with Maximum Temperature 40 C° or More

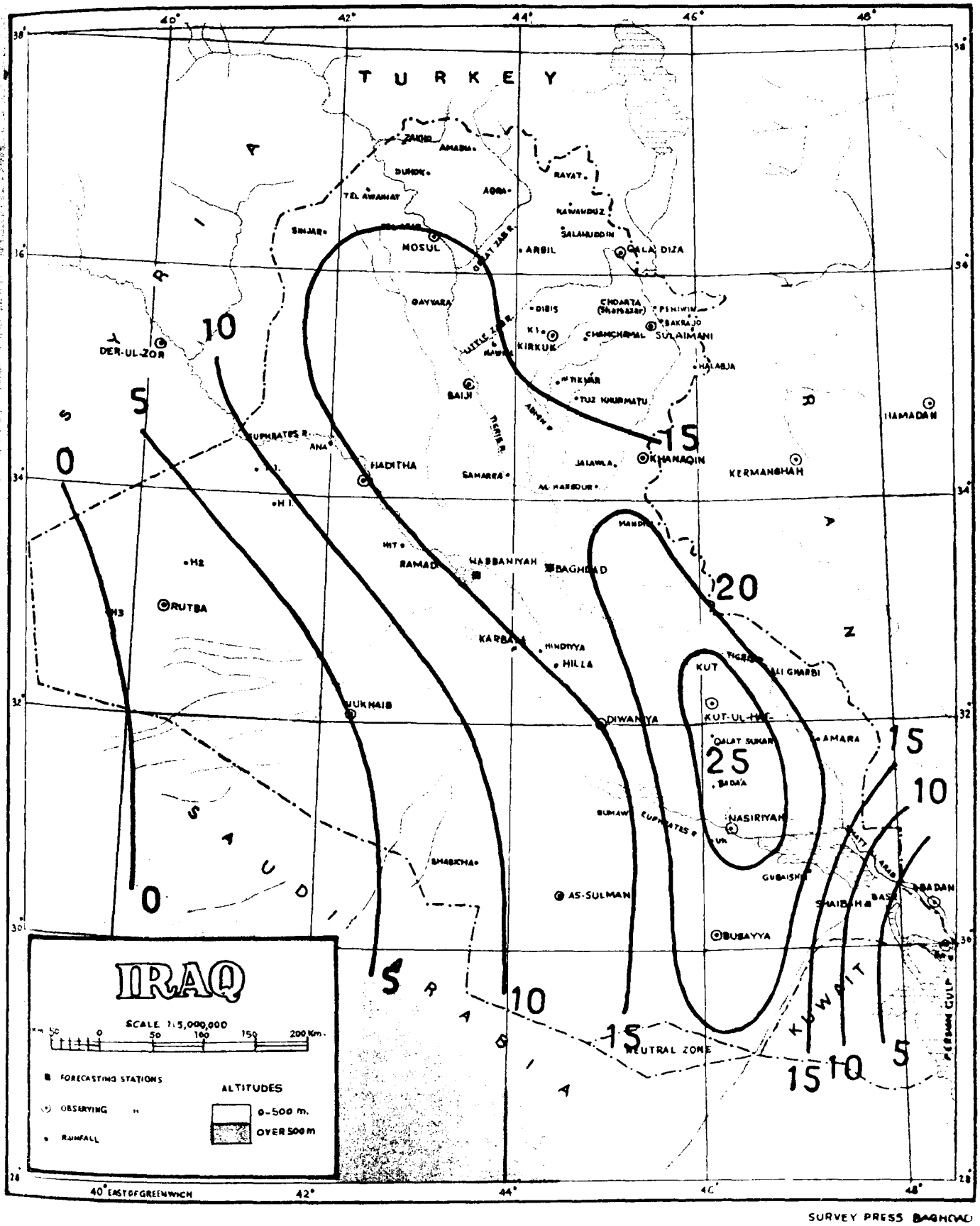
period of records see page 2/3



TEMPERATURE

Mean Annual Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

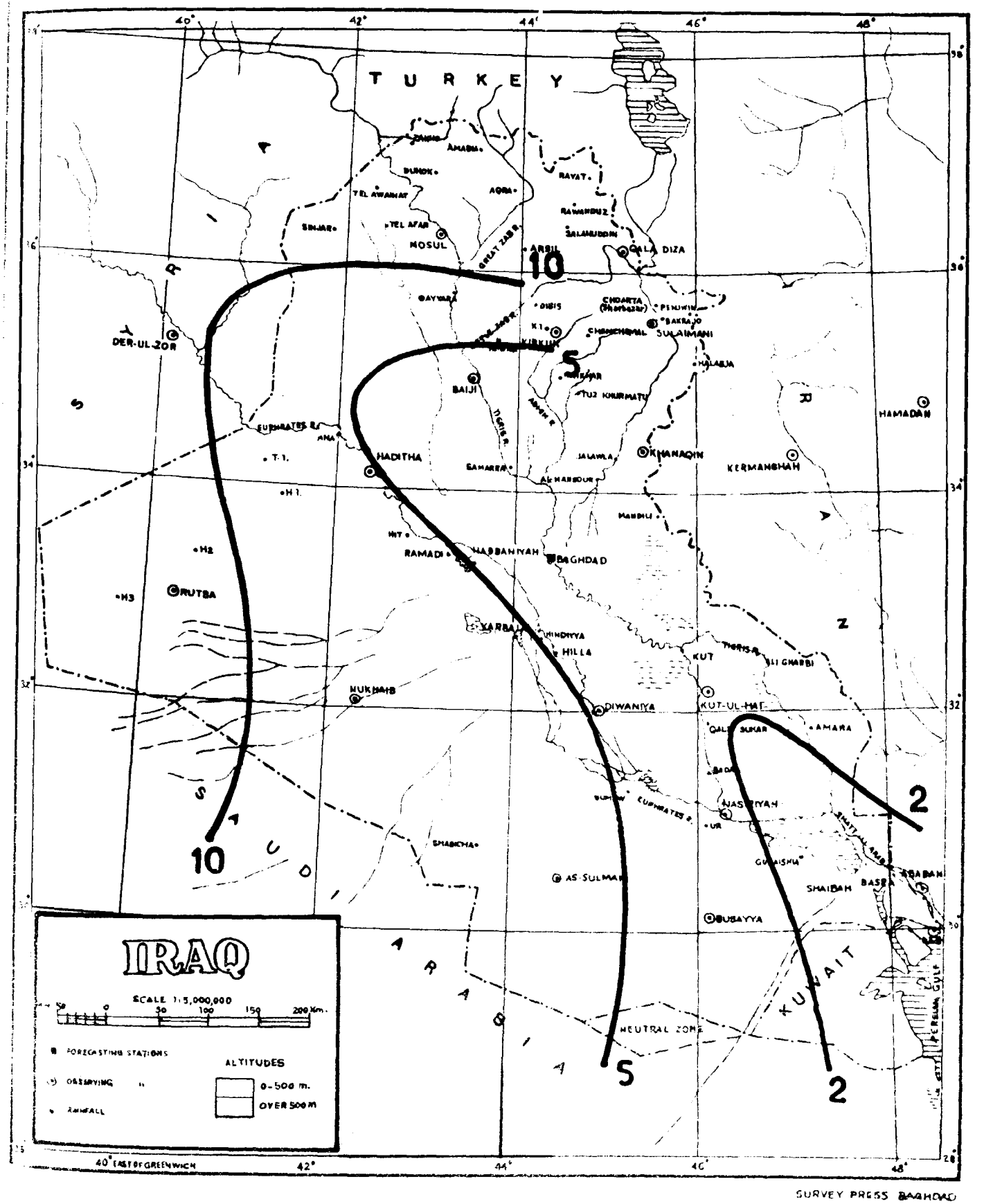


TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

JANUARY



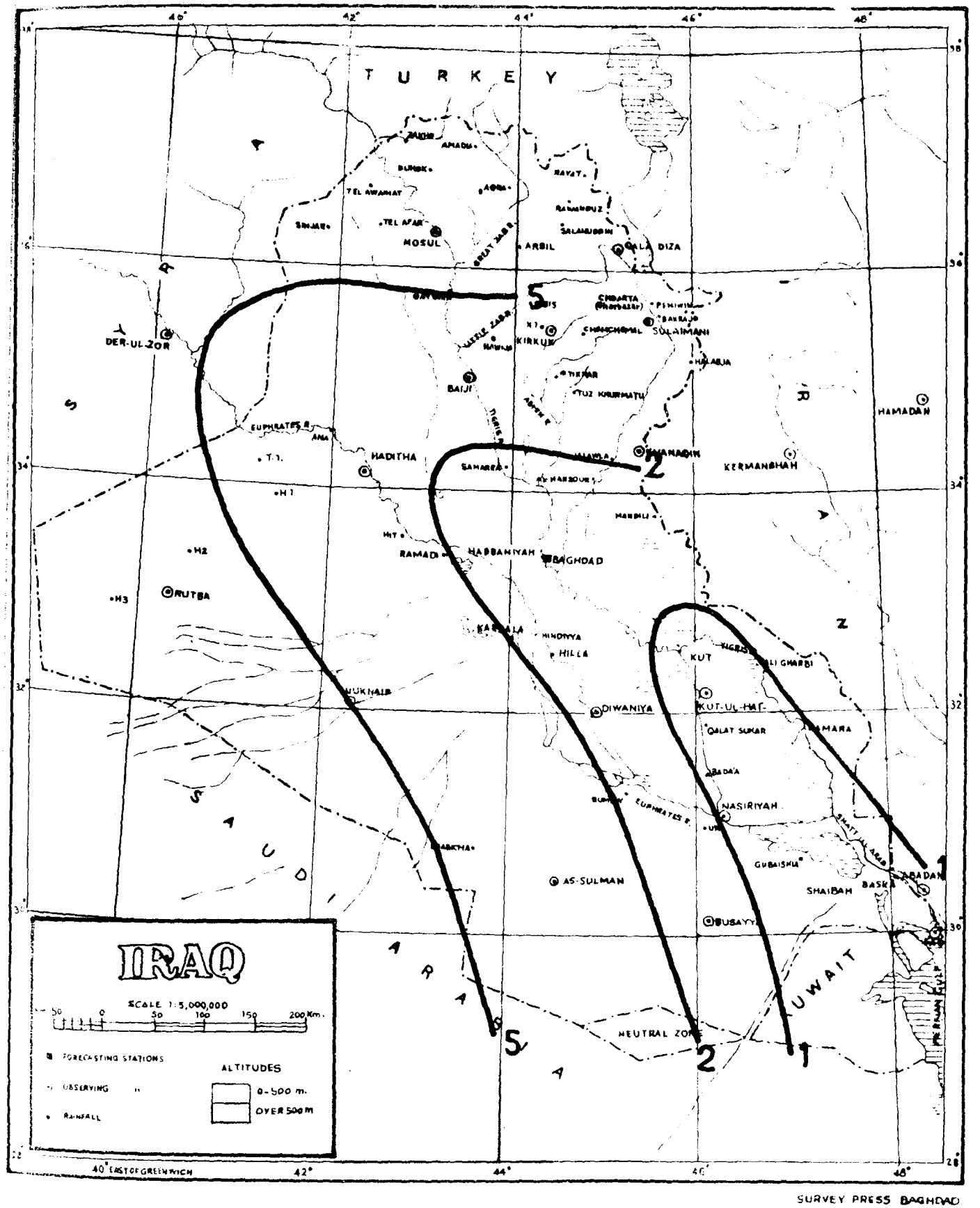
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

FEBRUARY



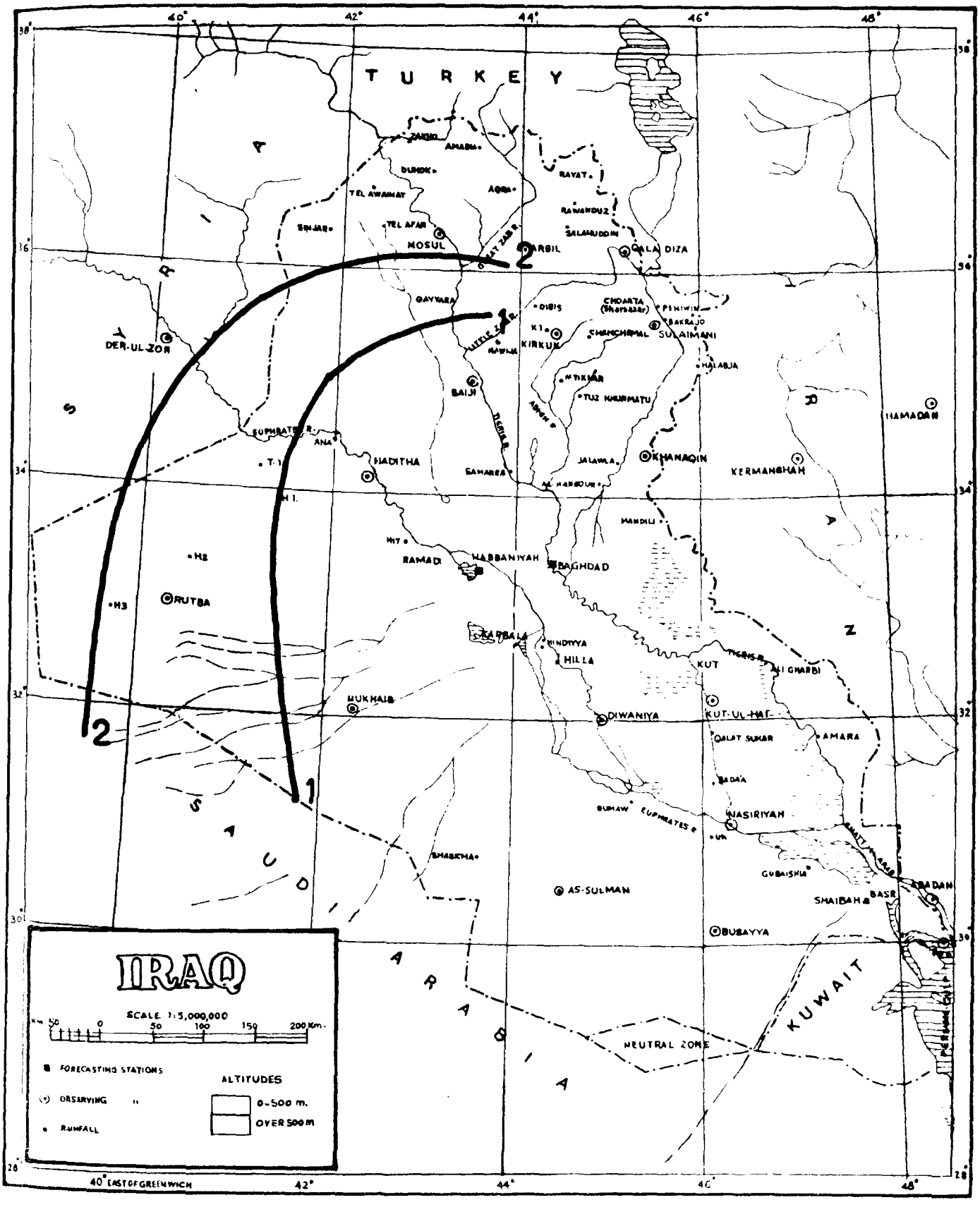
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

MARCH

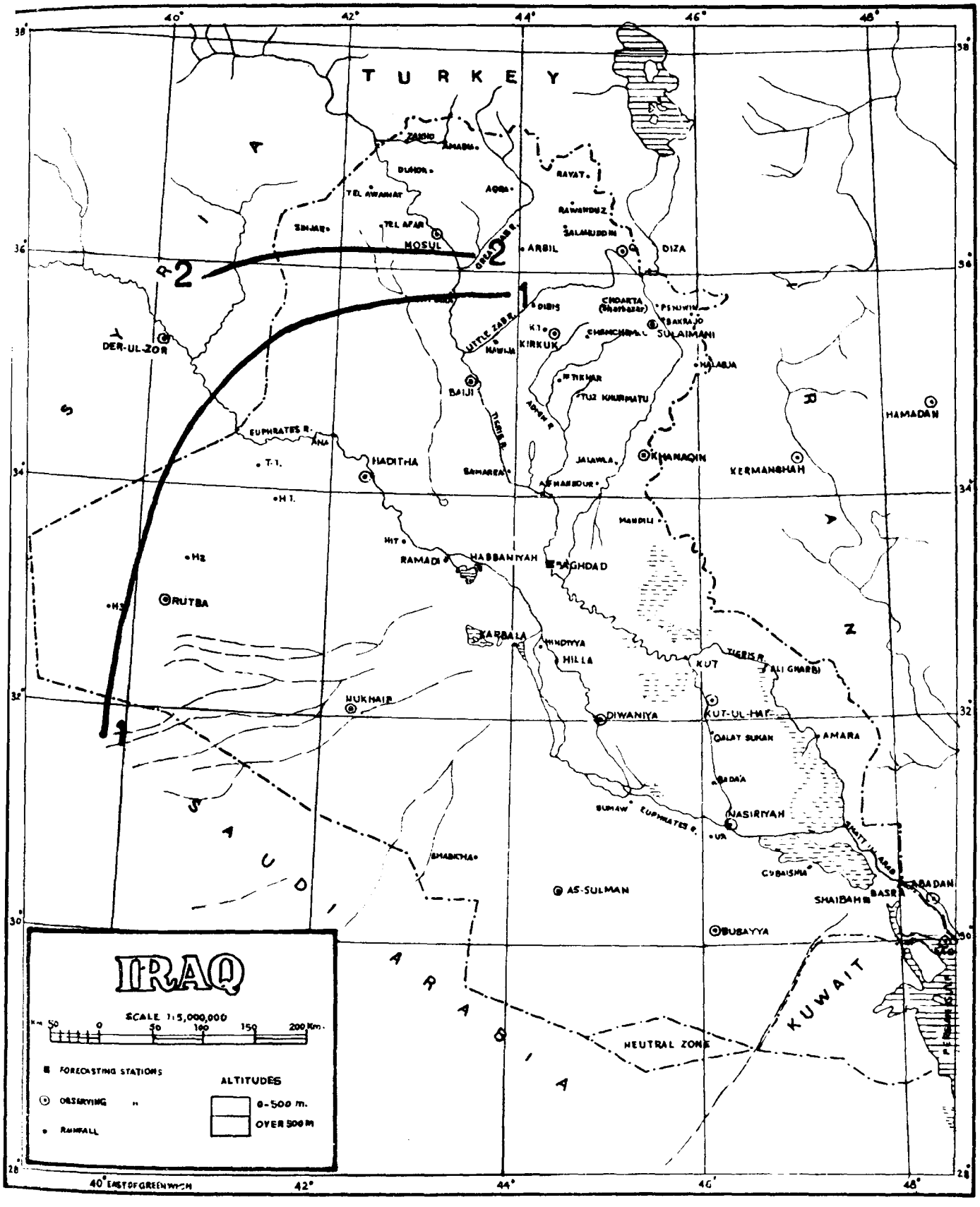


TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

NOVEMBER



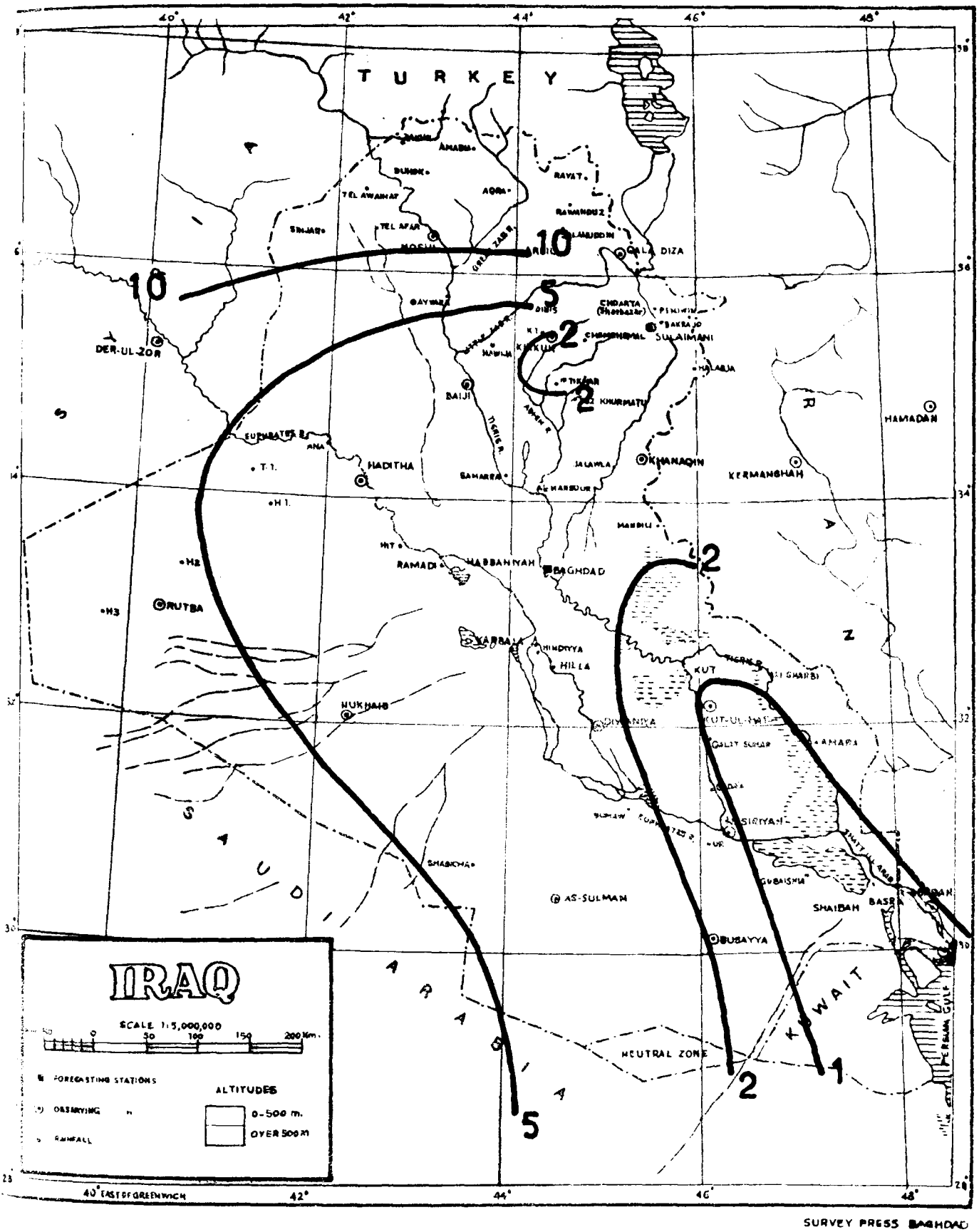
SURVEY PRESS, BAGHDAD.

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 0 C° or Less

period of records see page 2/3

DECEMBER



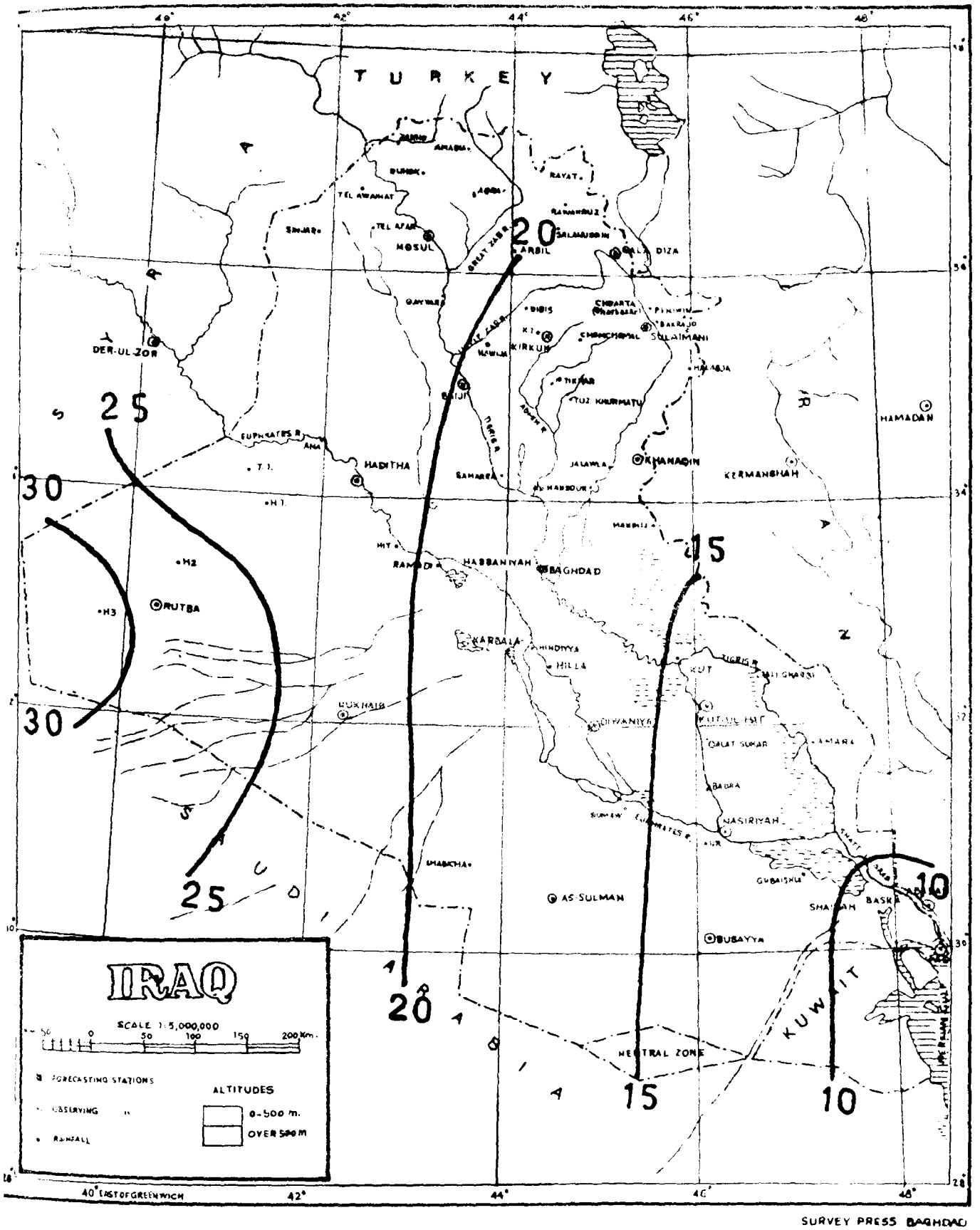
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

JANUARY



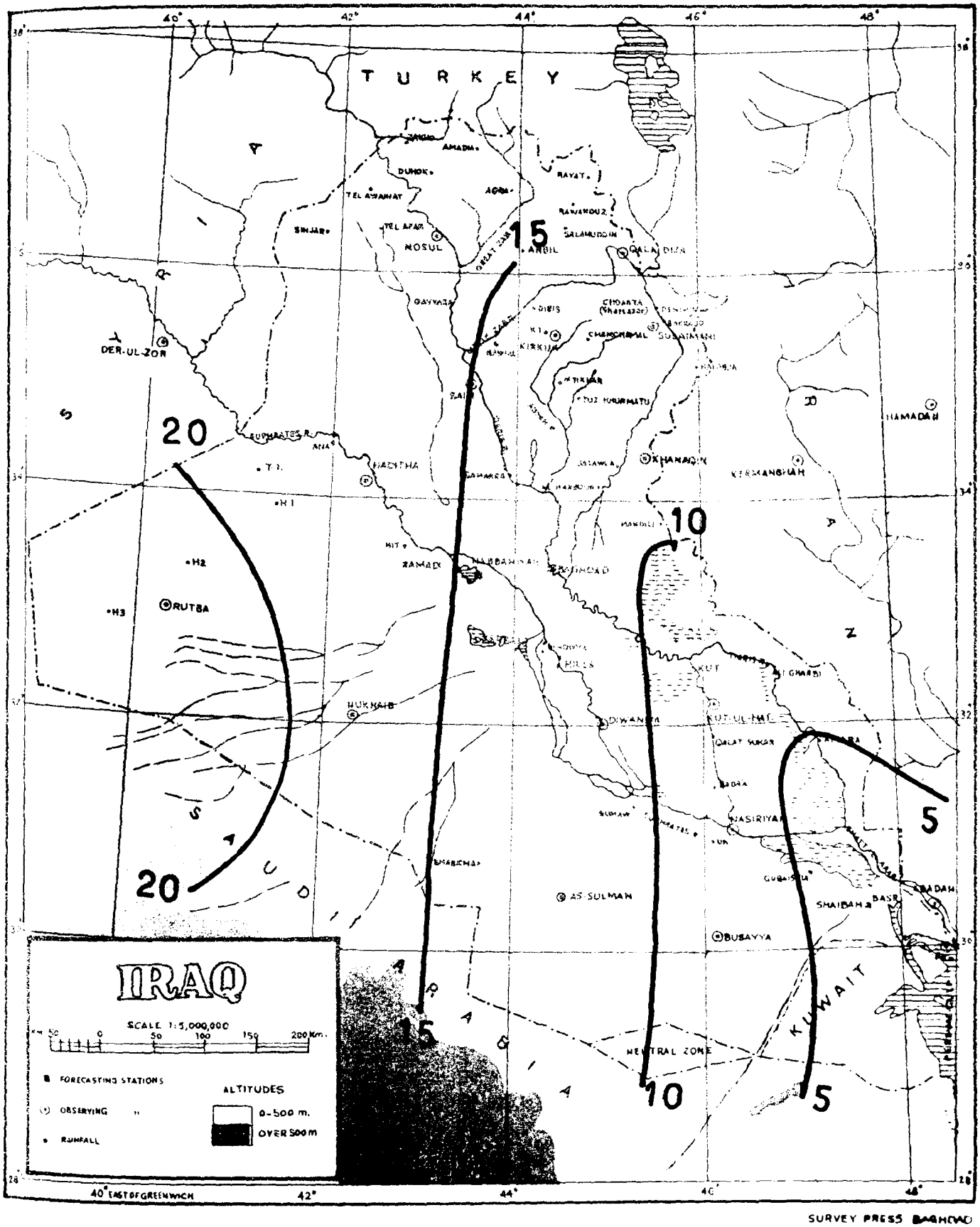
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

FEBRUARY

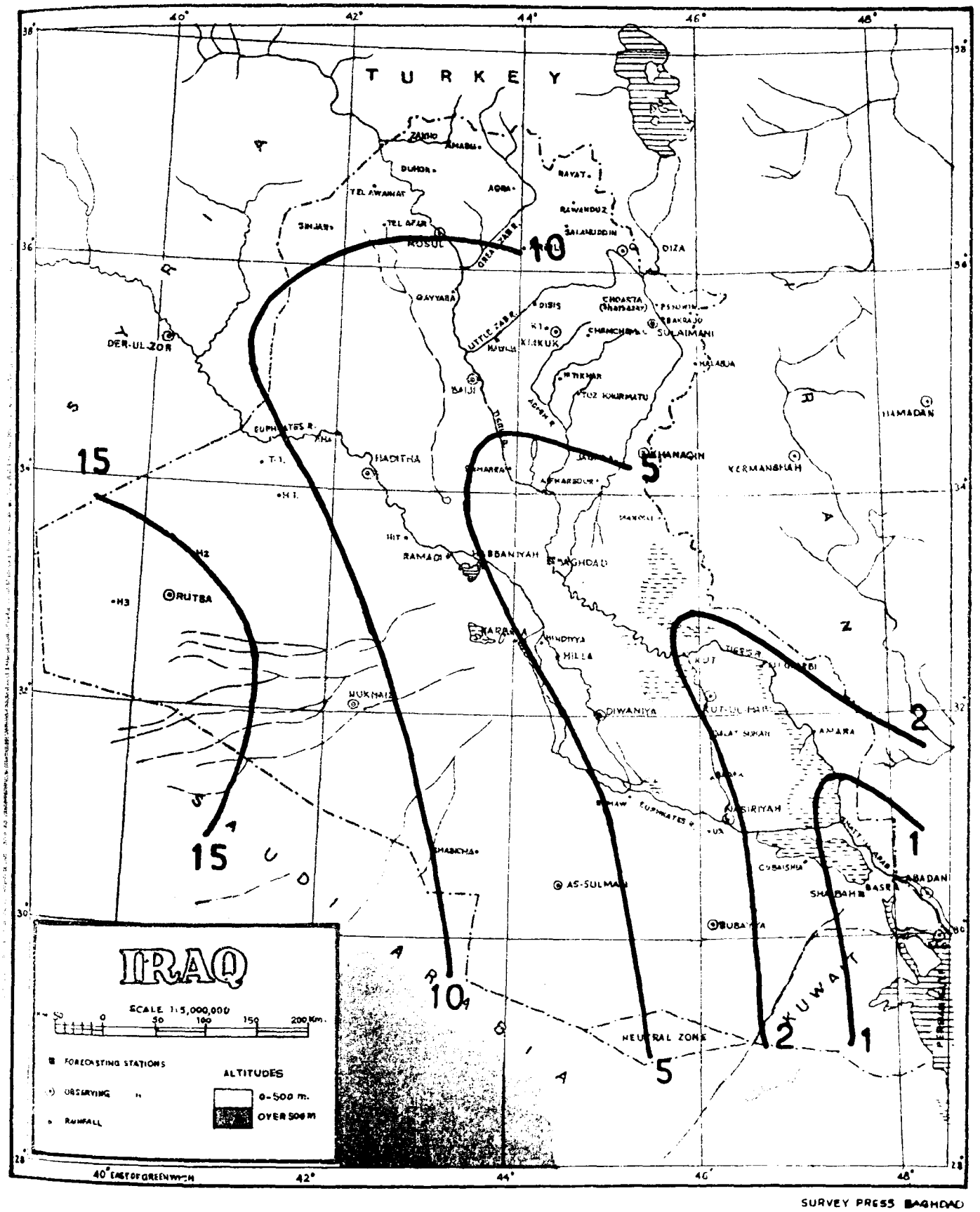


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

MARCH



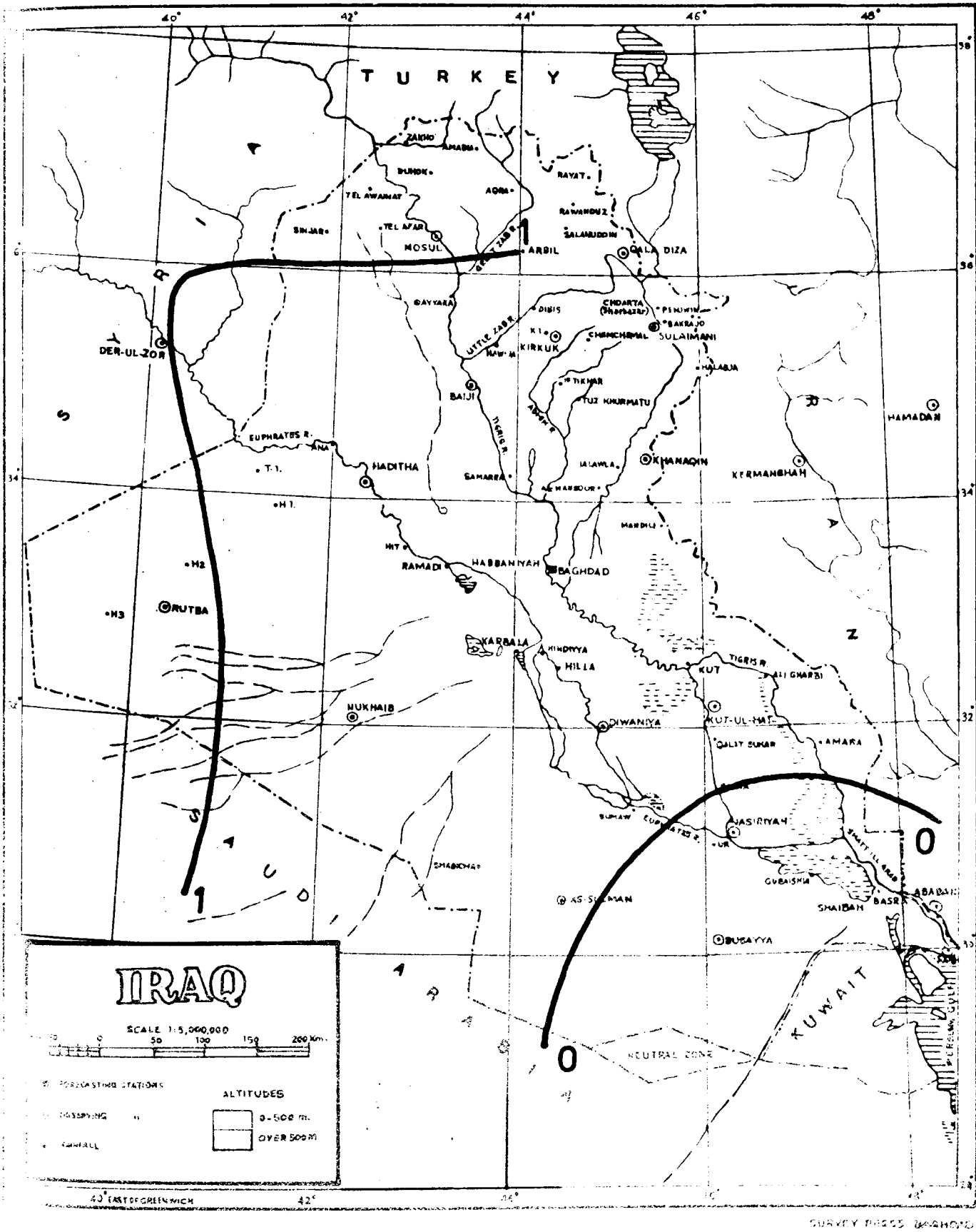
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

APRIL

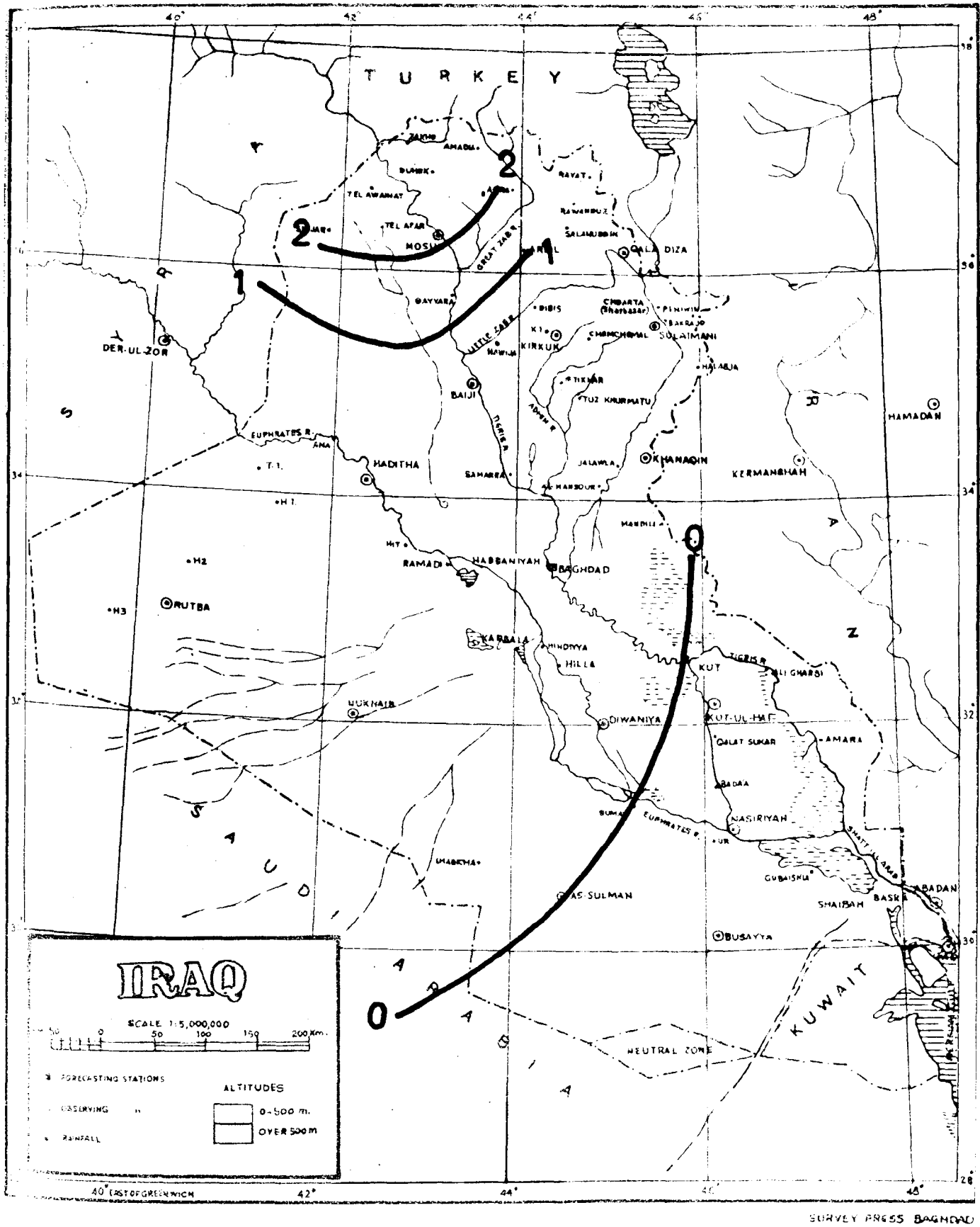


TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

OCTOBER

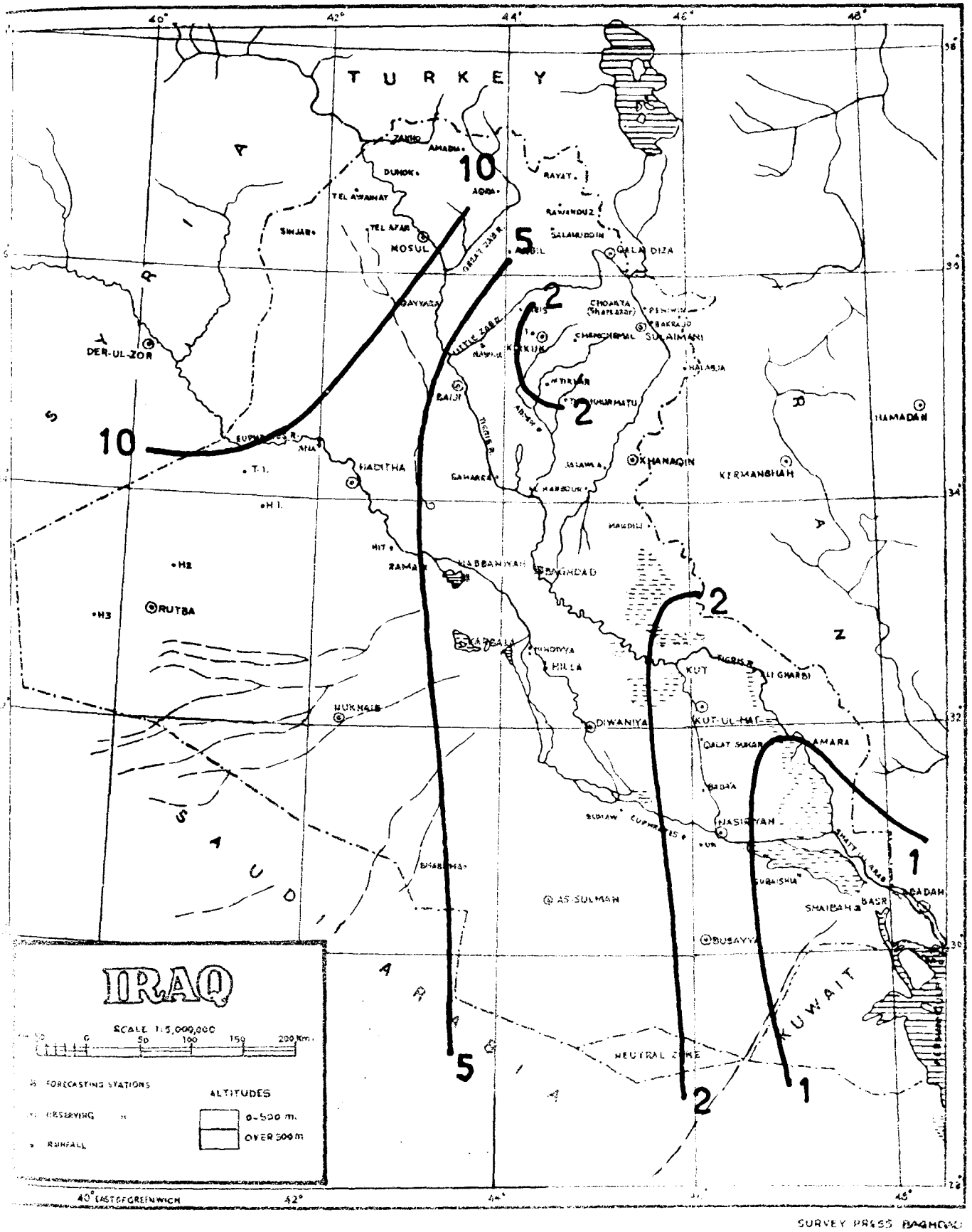


TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

NOVEMBER



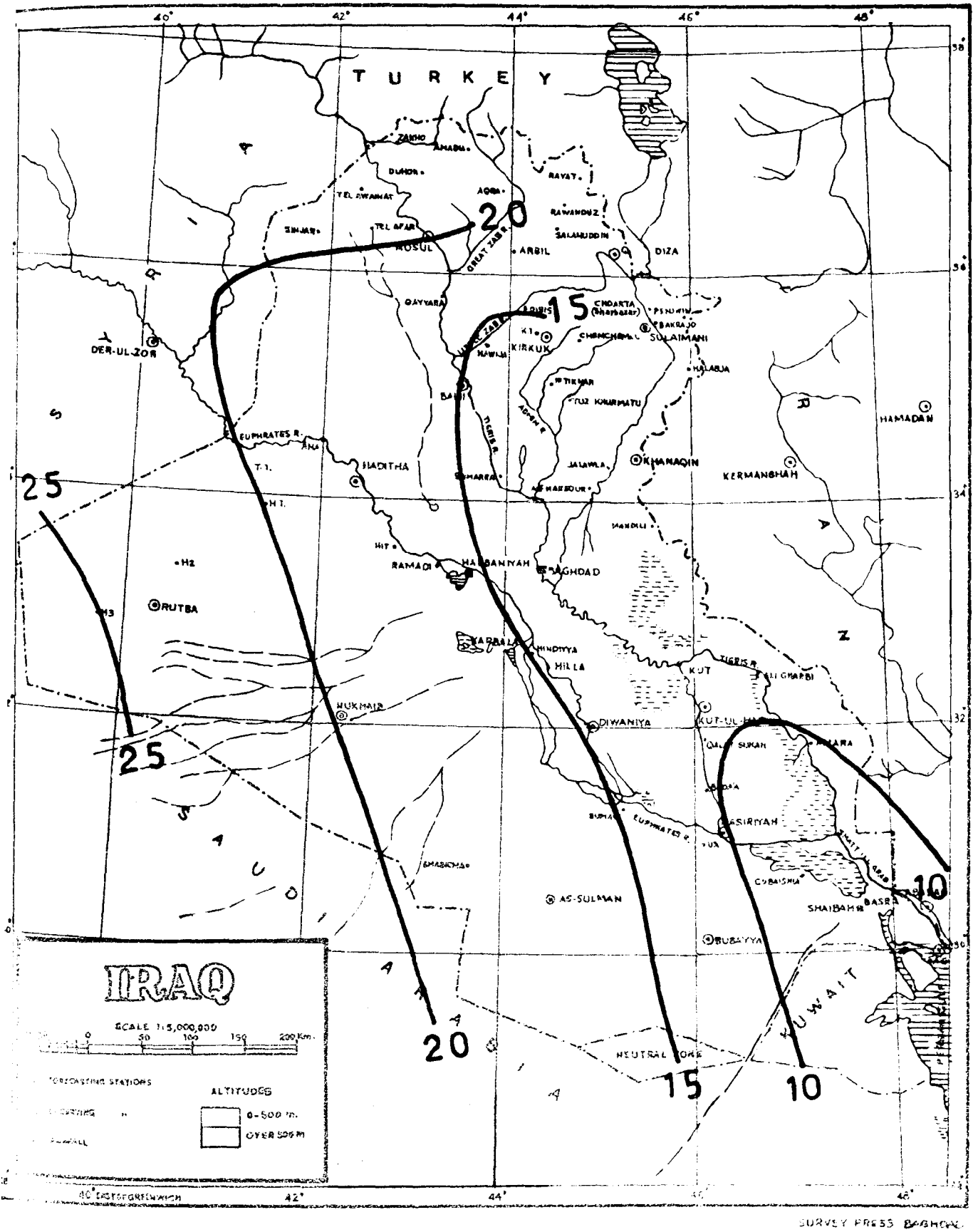
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Minimum Temperature 5 C° or Less

period of records see page 2/3

DECEMBER



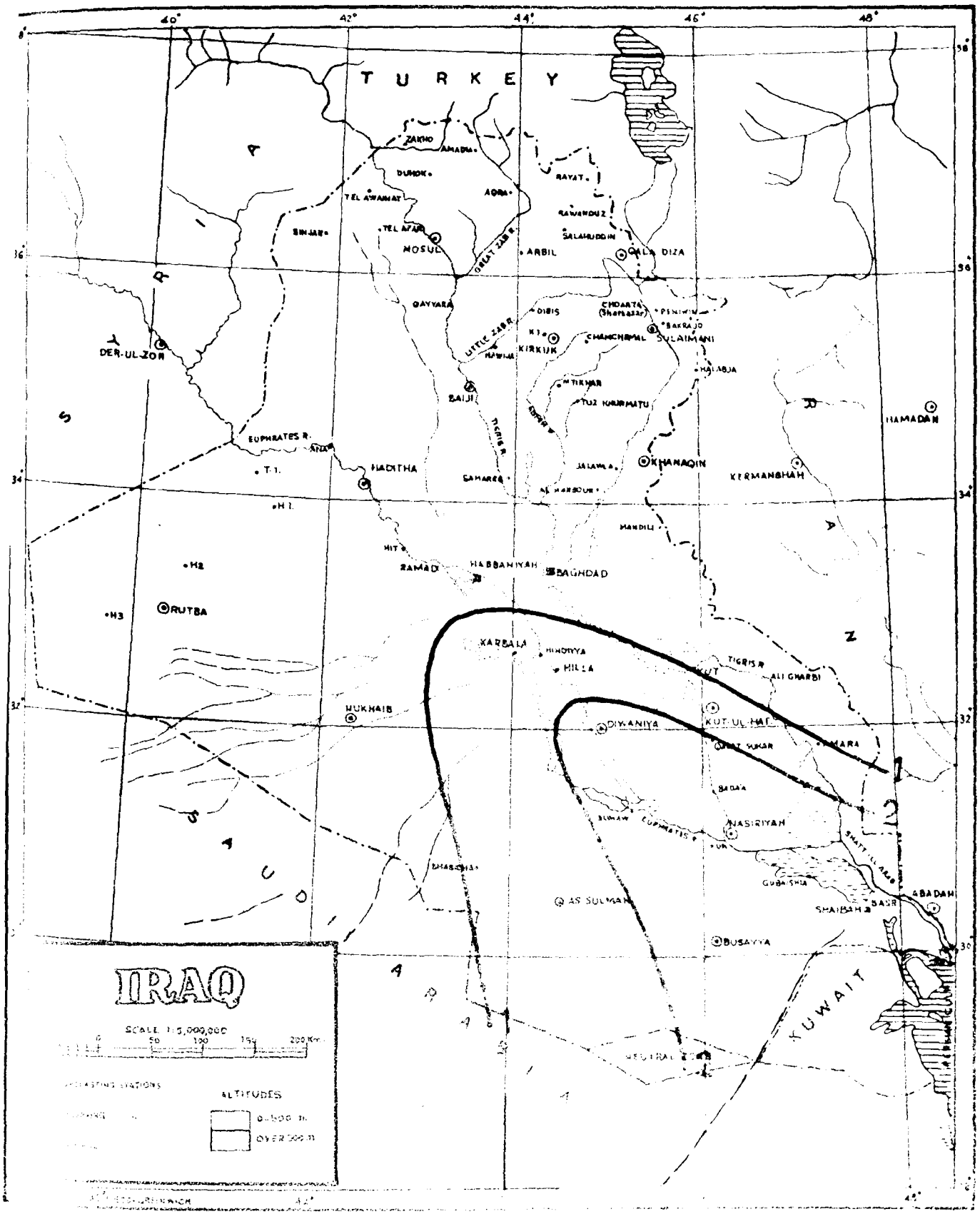
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

FEBRUARY

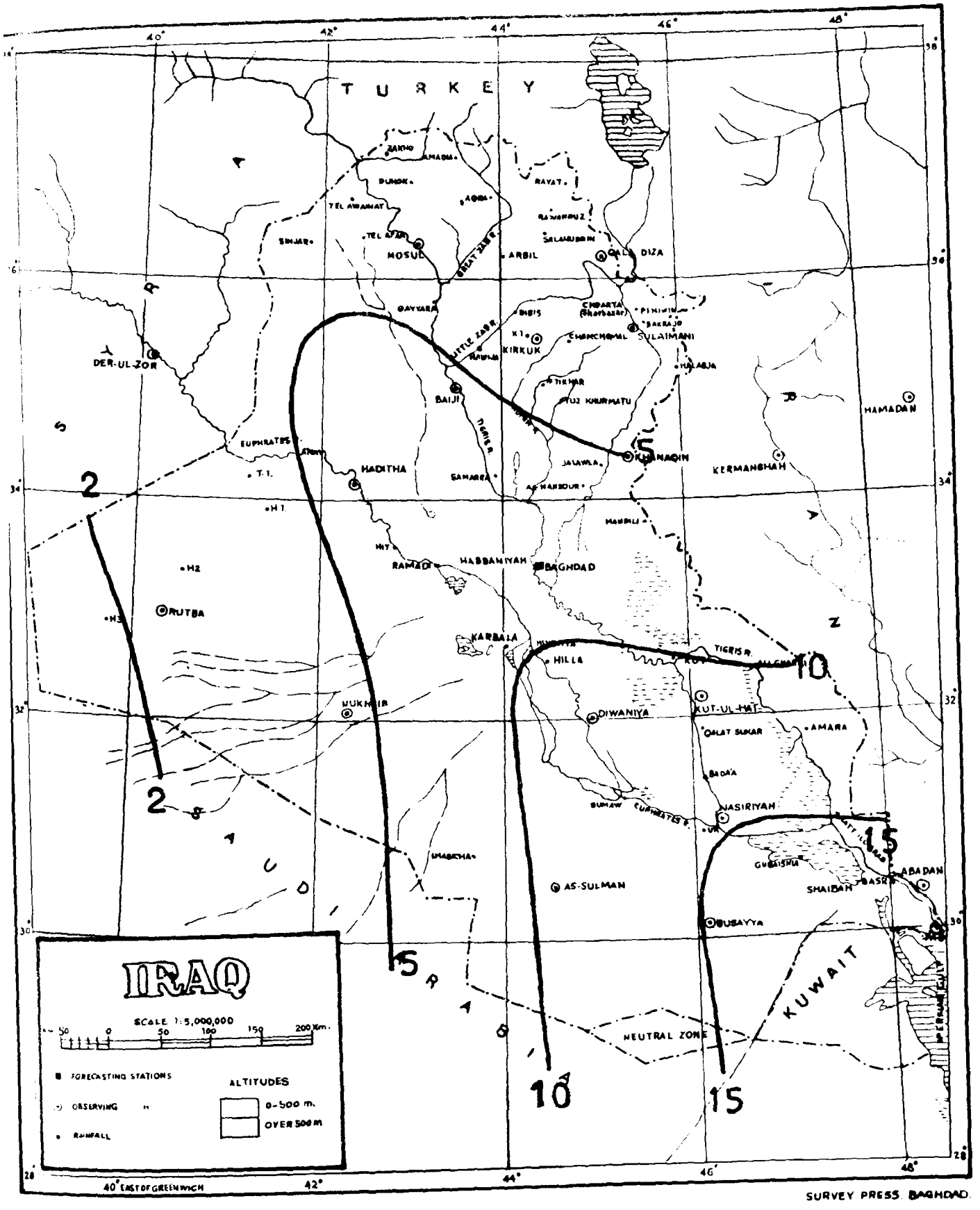


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

MARCH

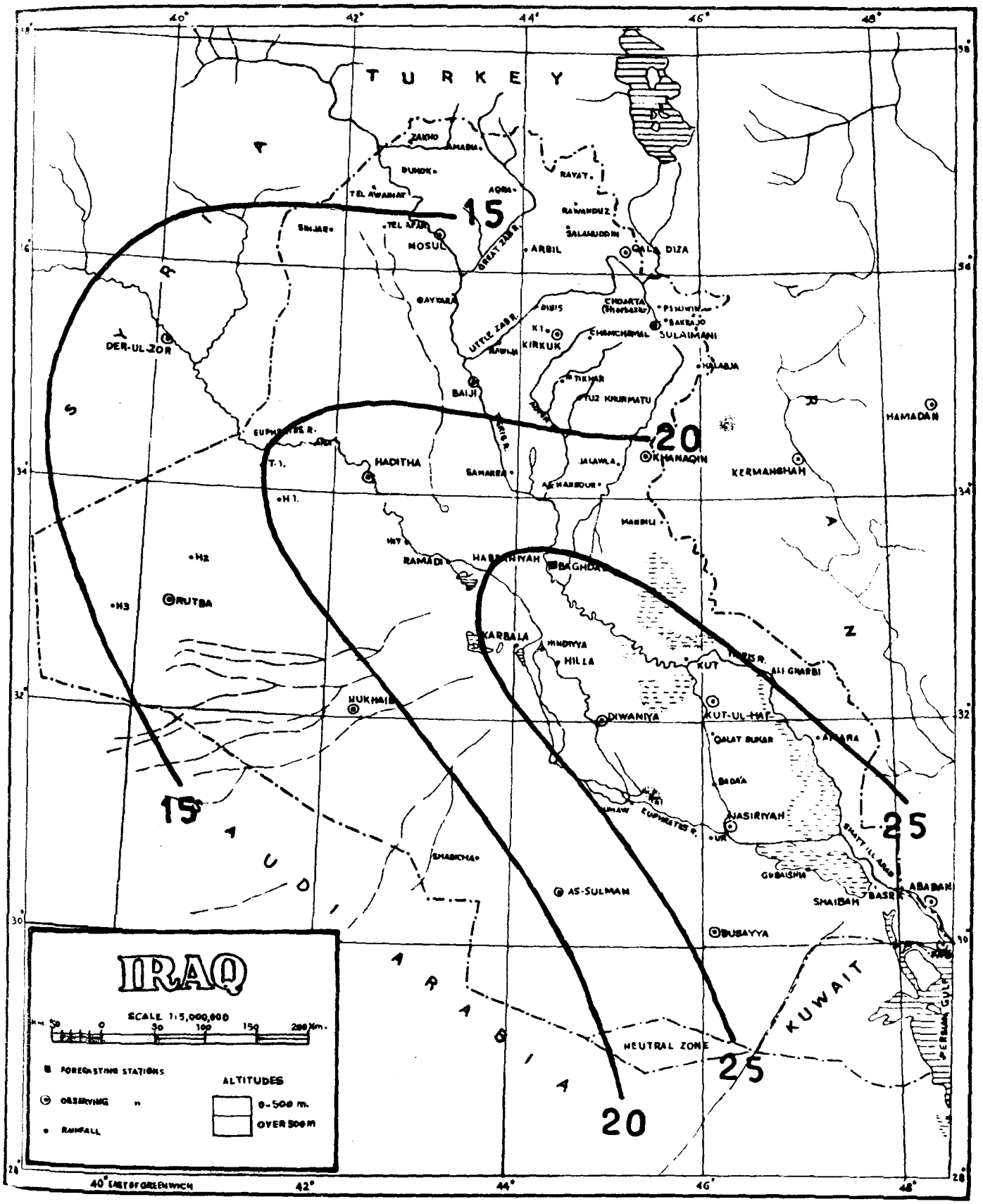


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

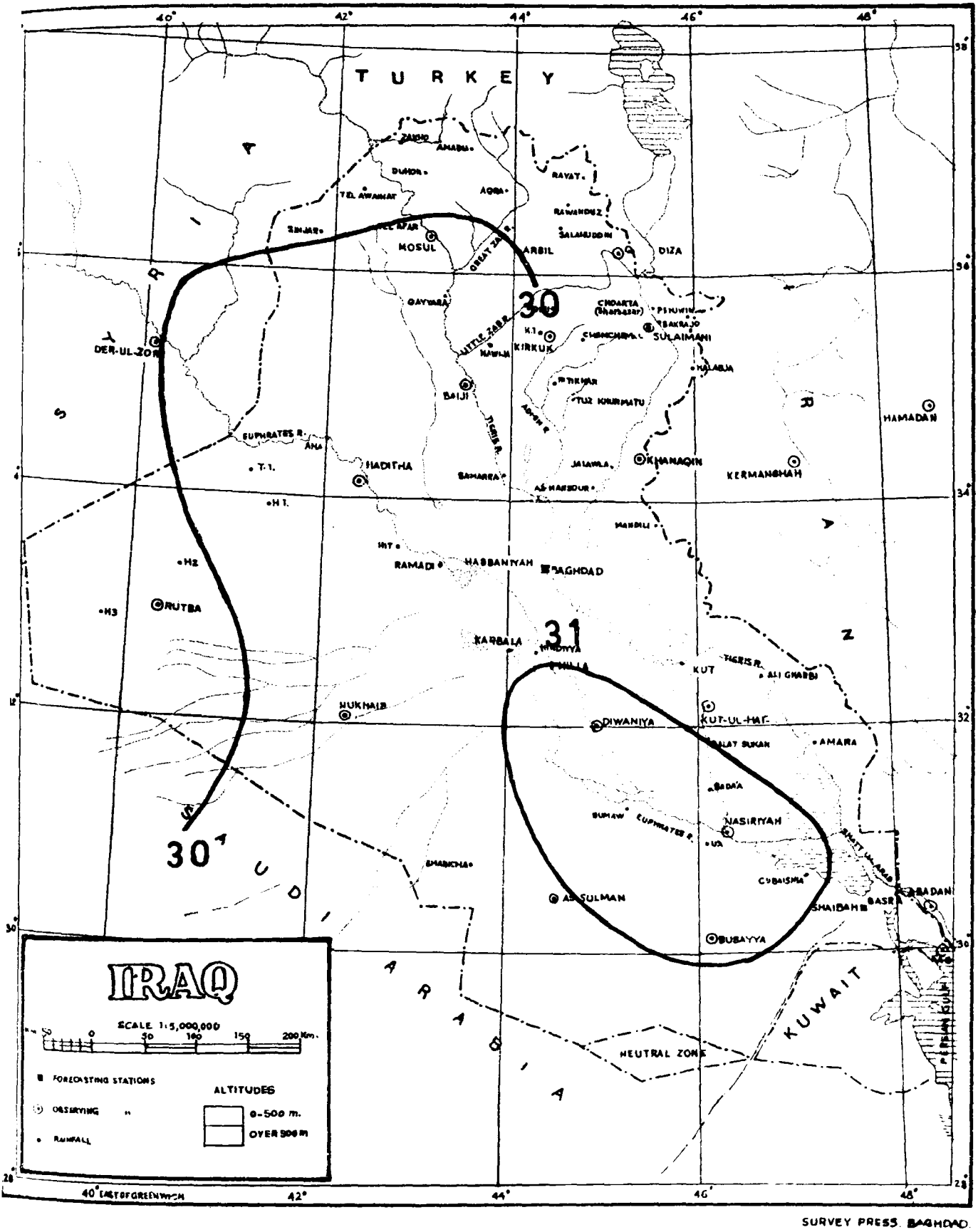
APRIL



Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

MAY



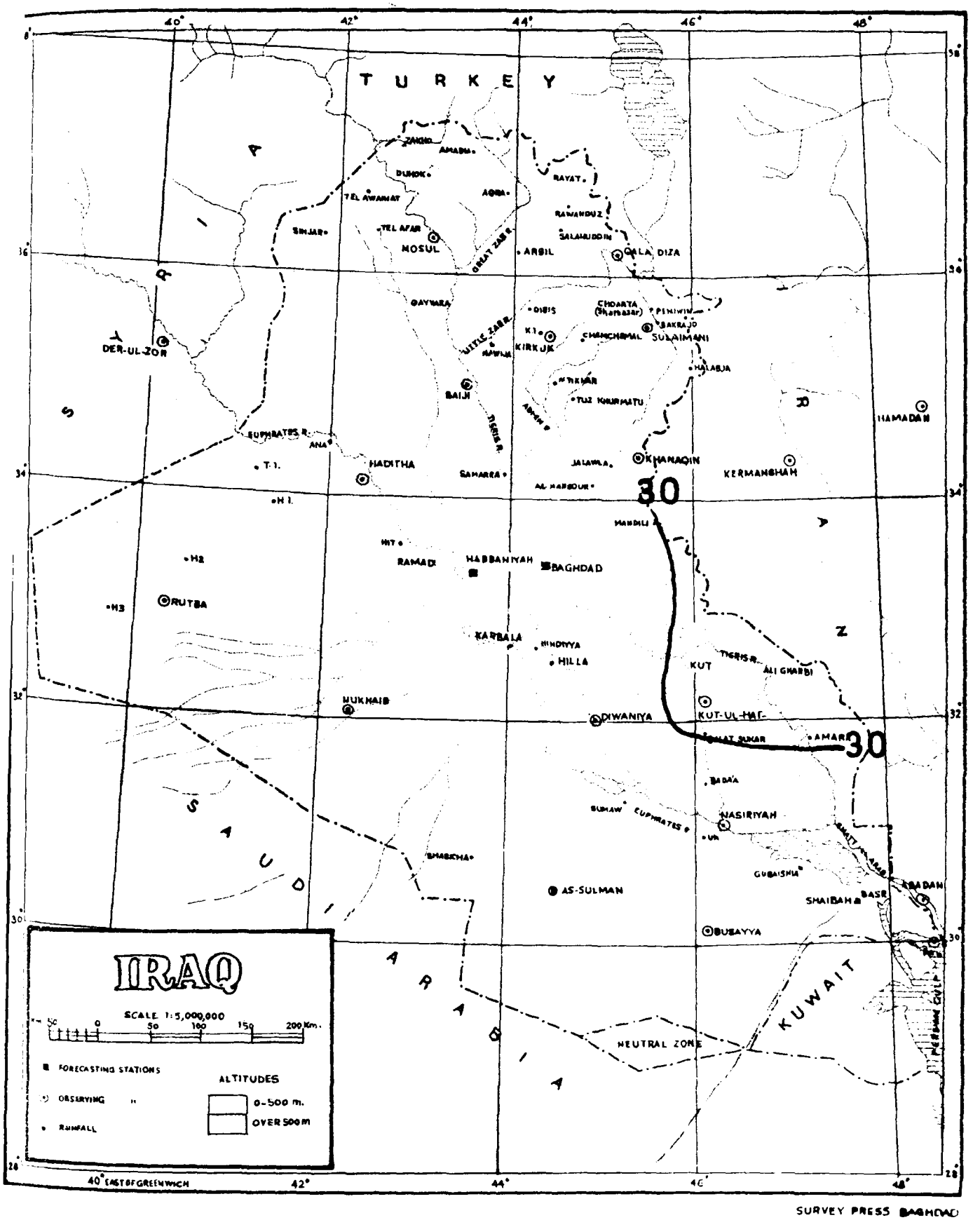
SURVEY PRESS. BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

JUNE



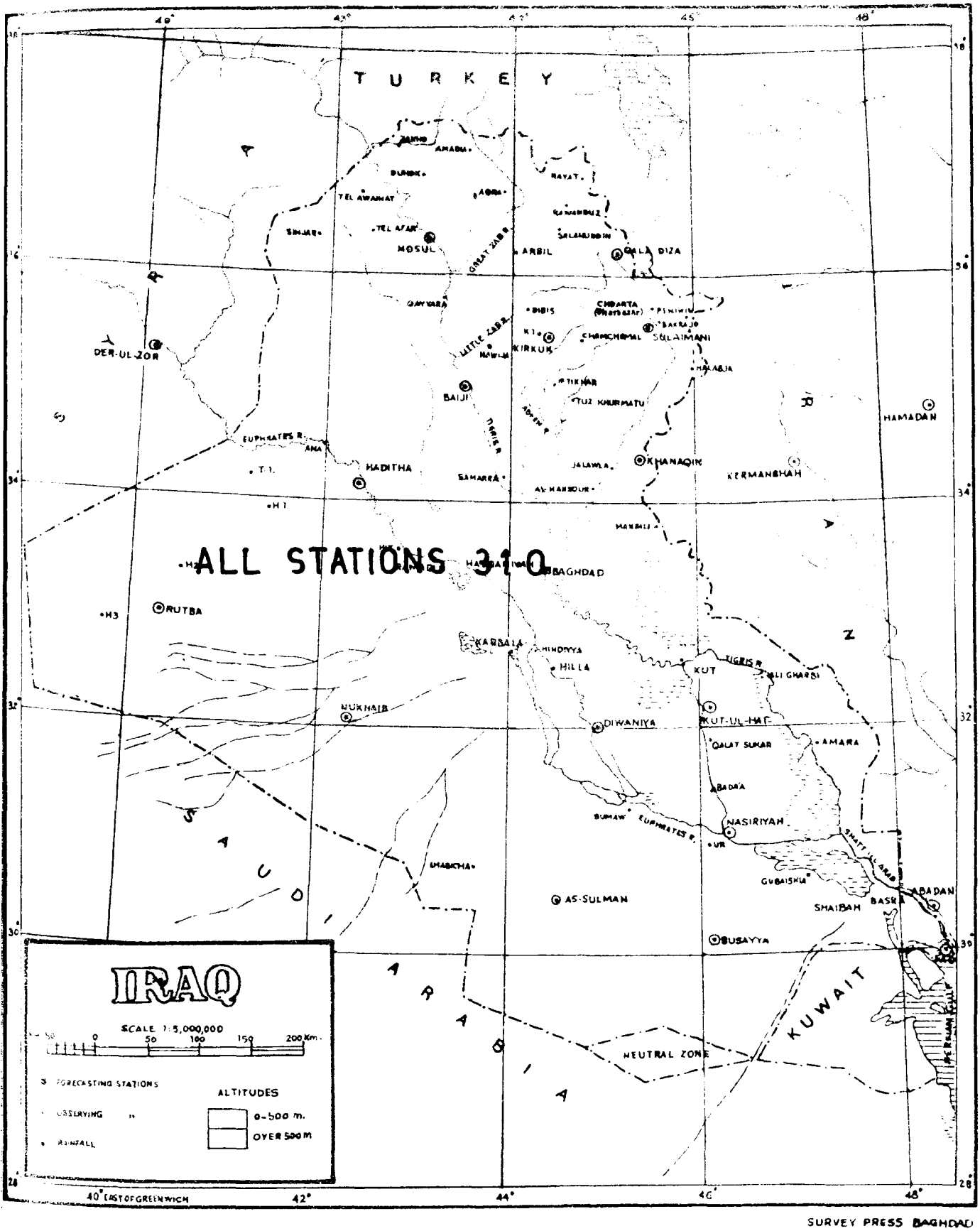
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

JULY

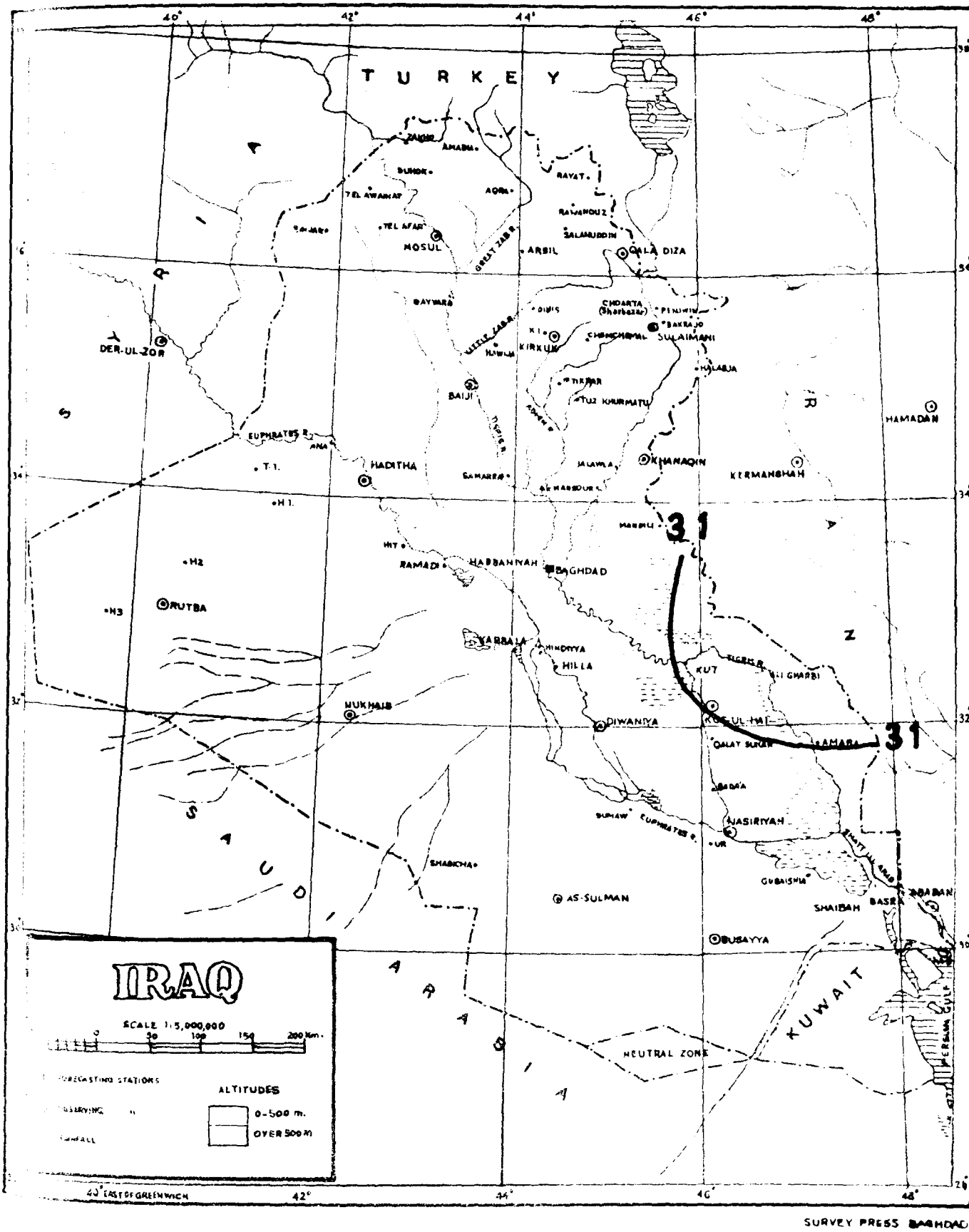


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

AUGUST

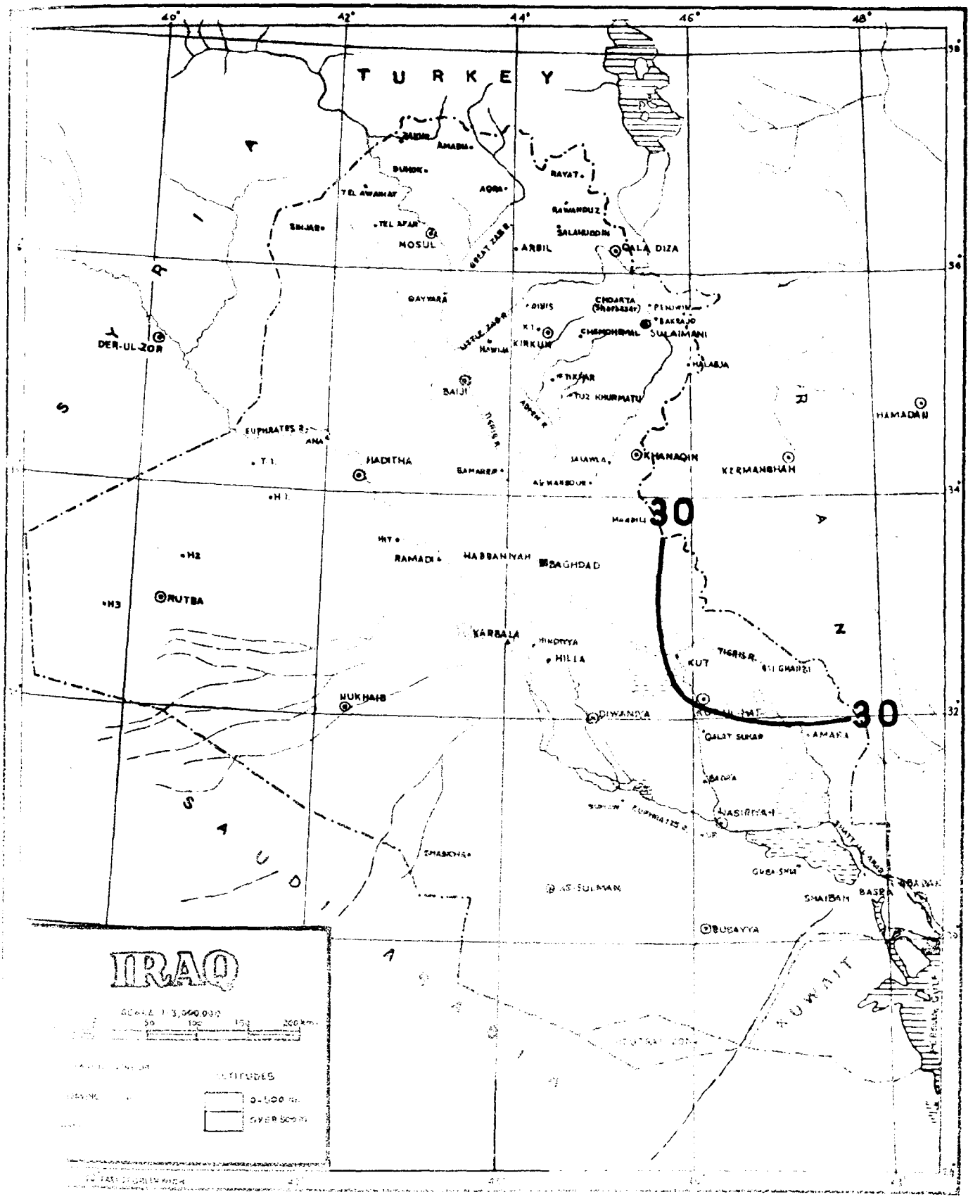


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

SEPTEMBER

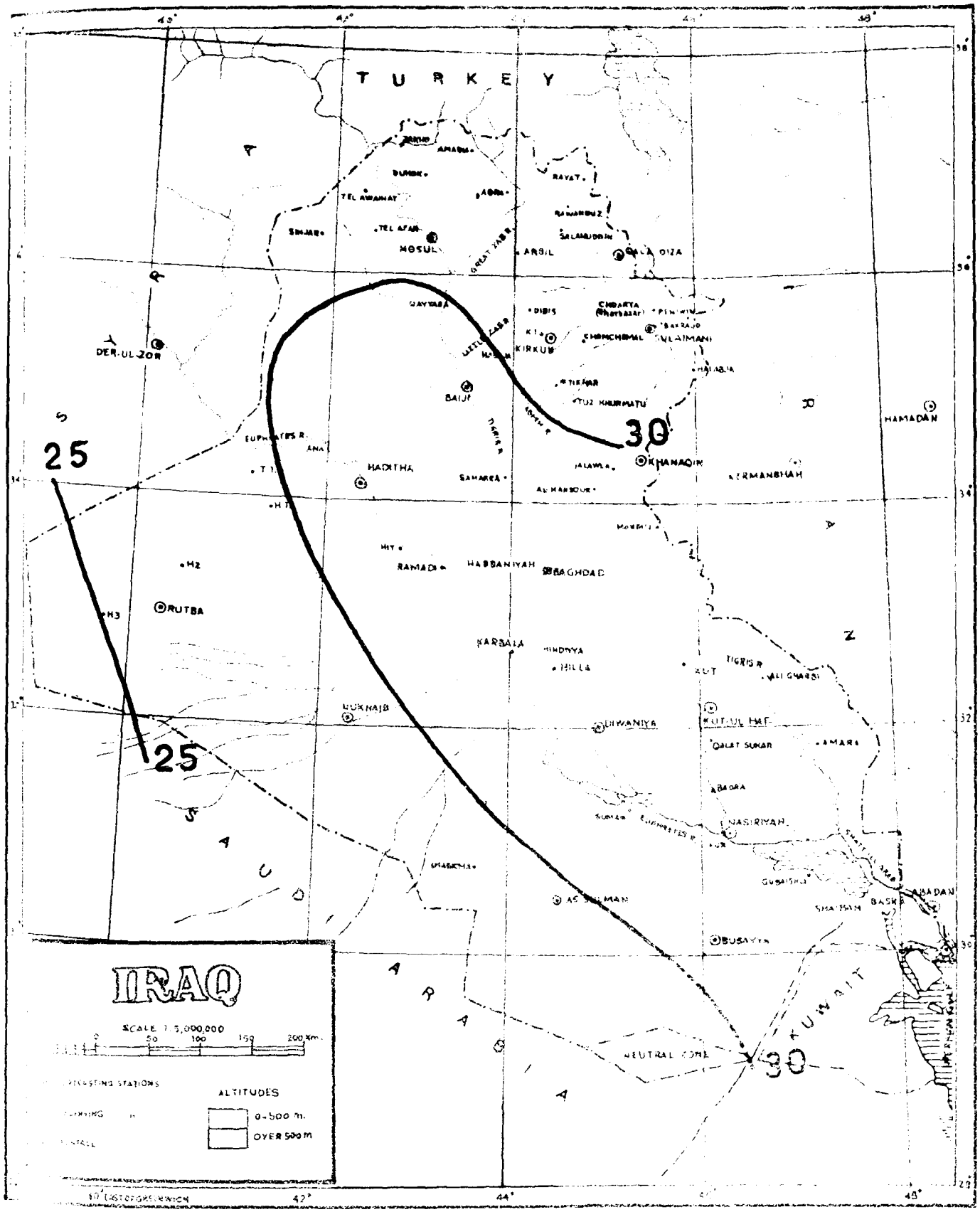


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

OCTOBER

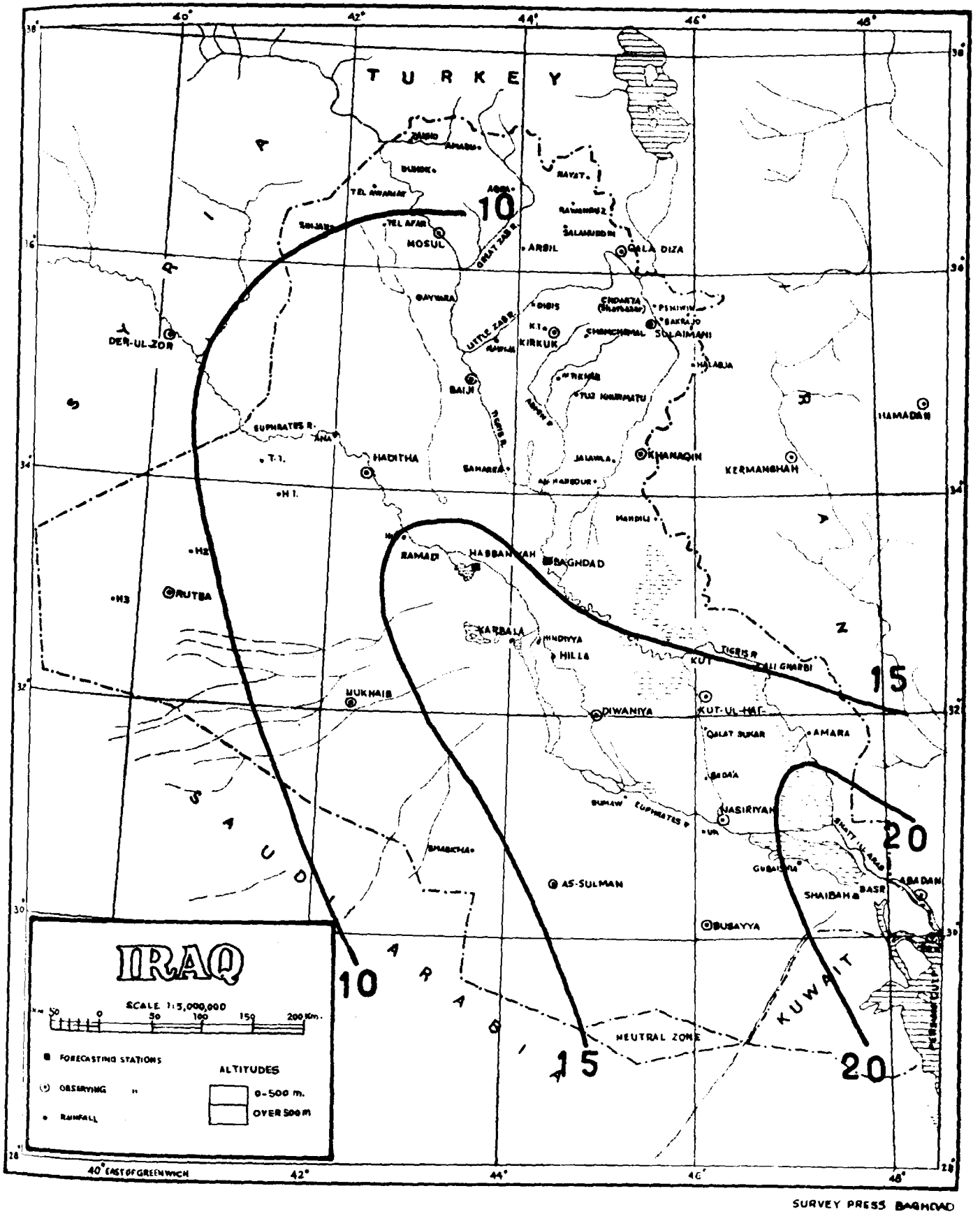


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

NOVEMBER



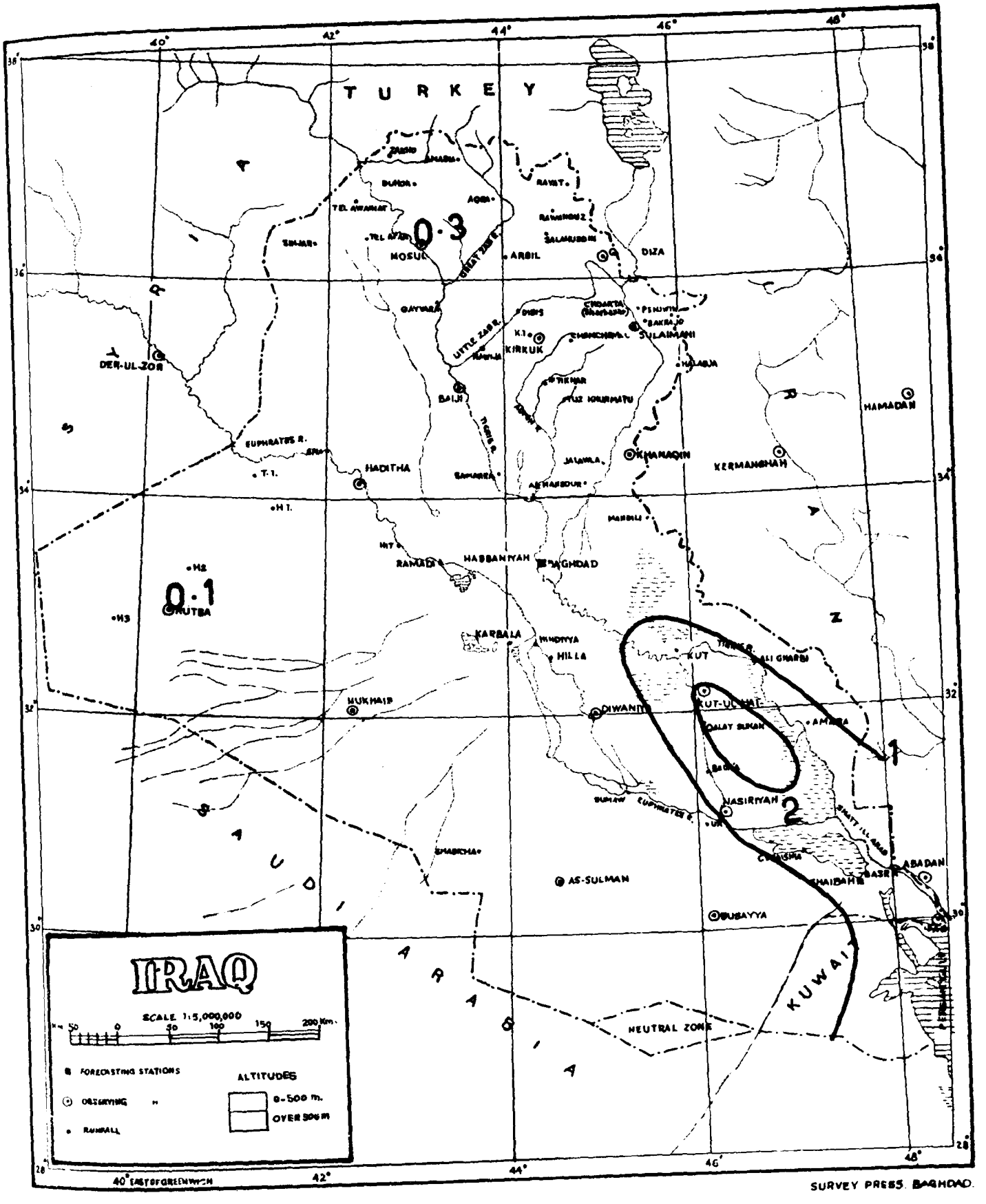
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 25 C° or More

period of records see page 2/3

DECEMBER

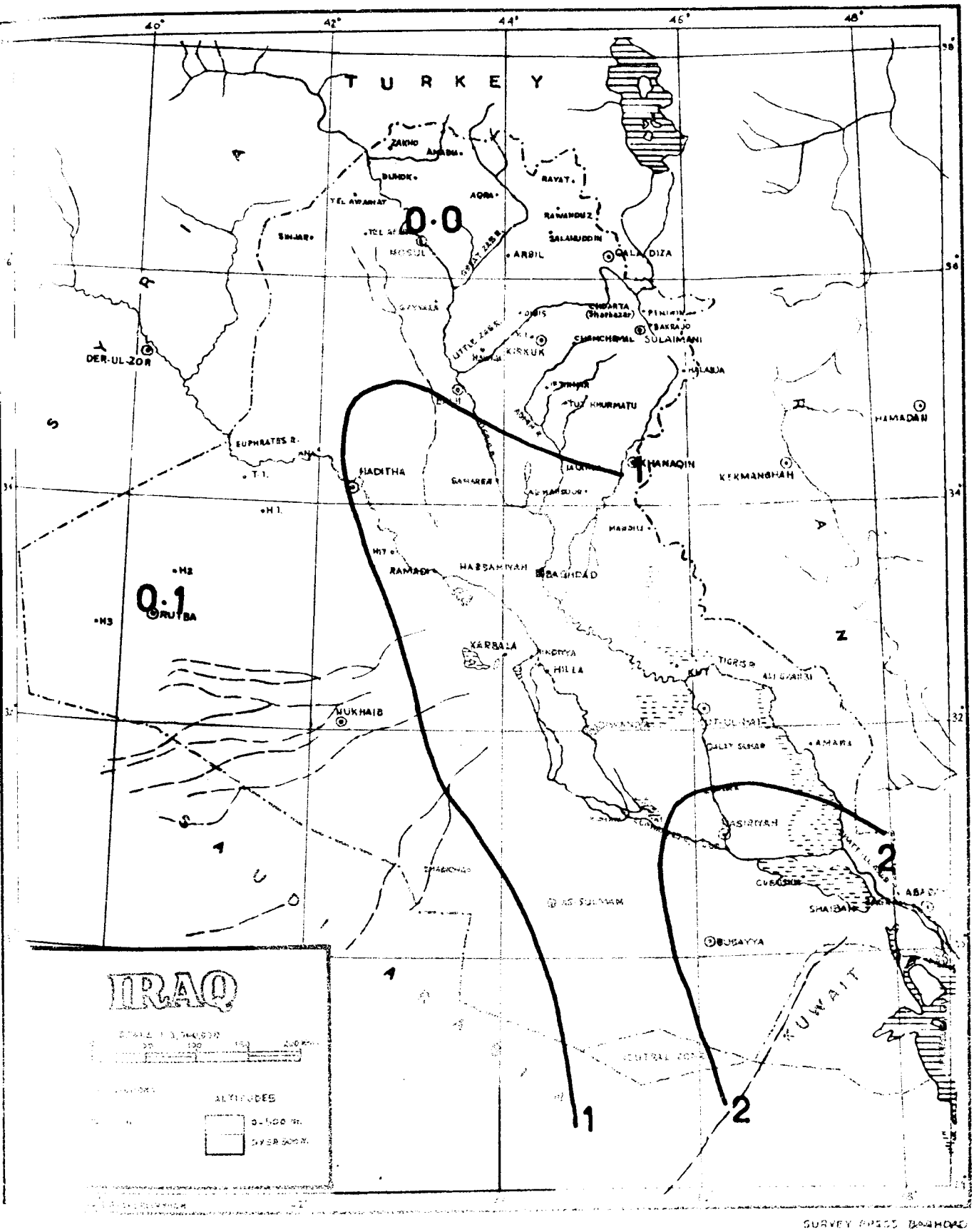


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

MARCH



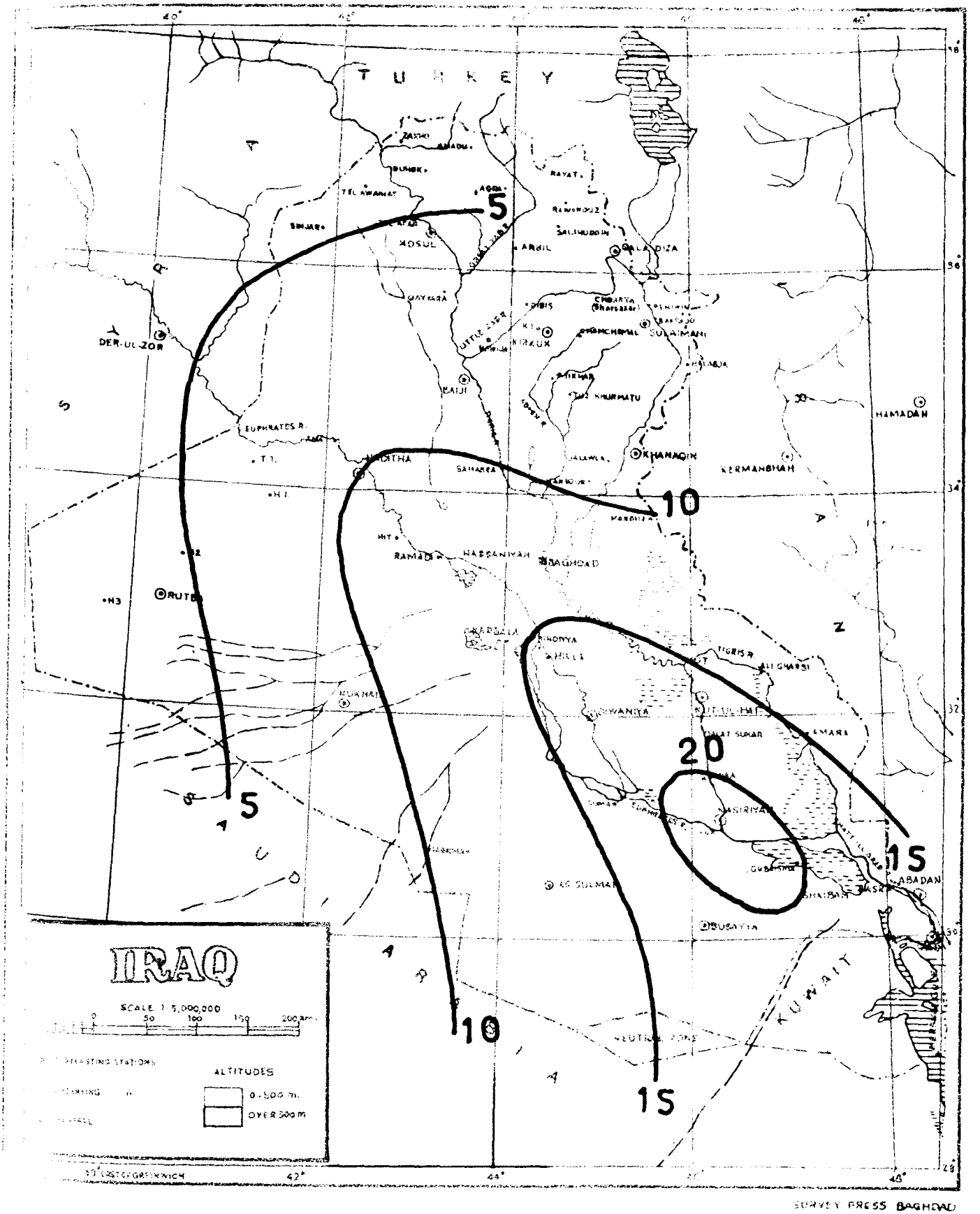
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

APRIL



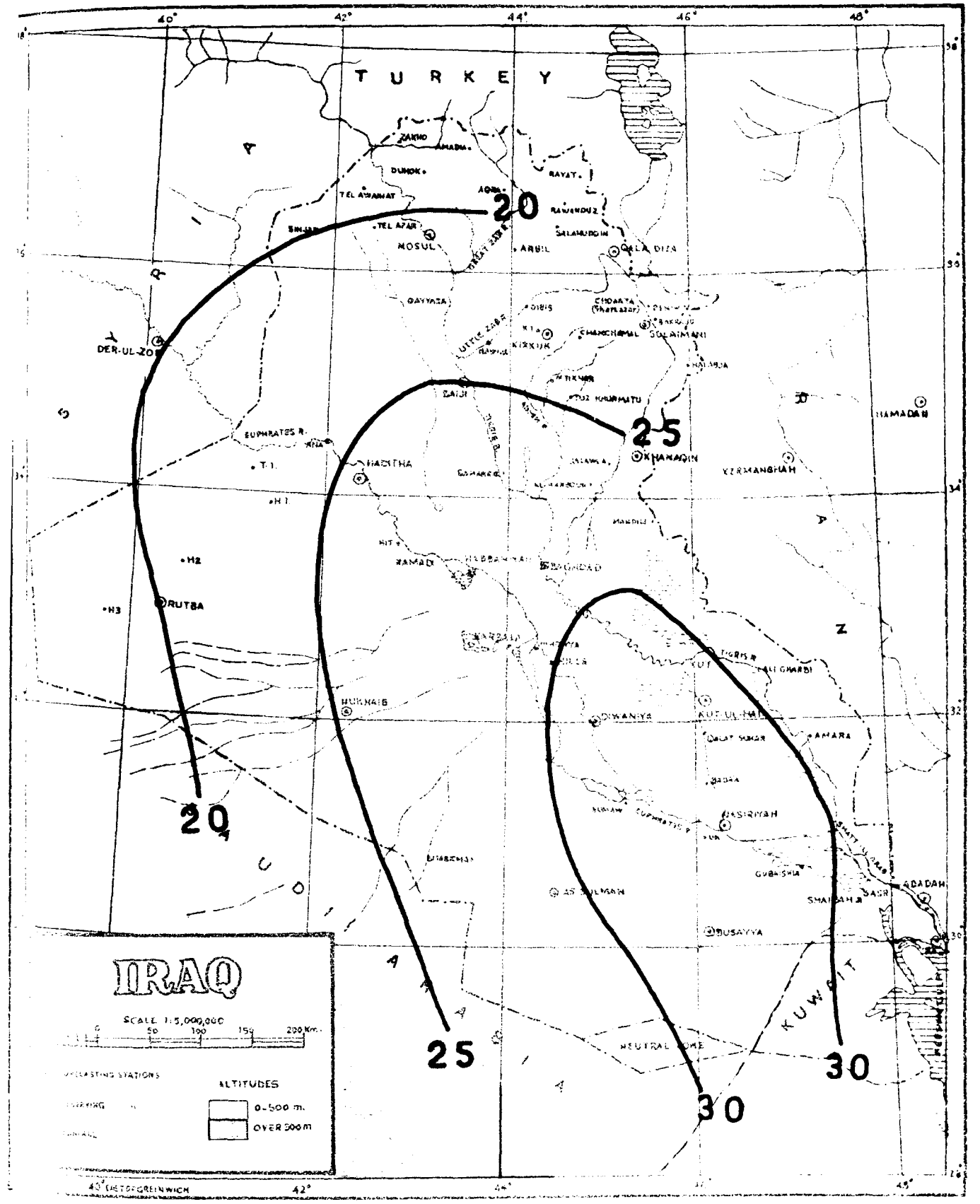
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

MAY



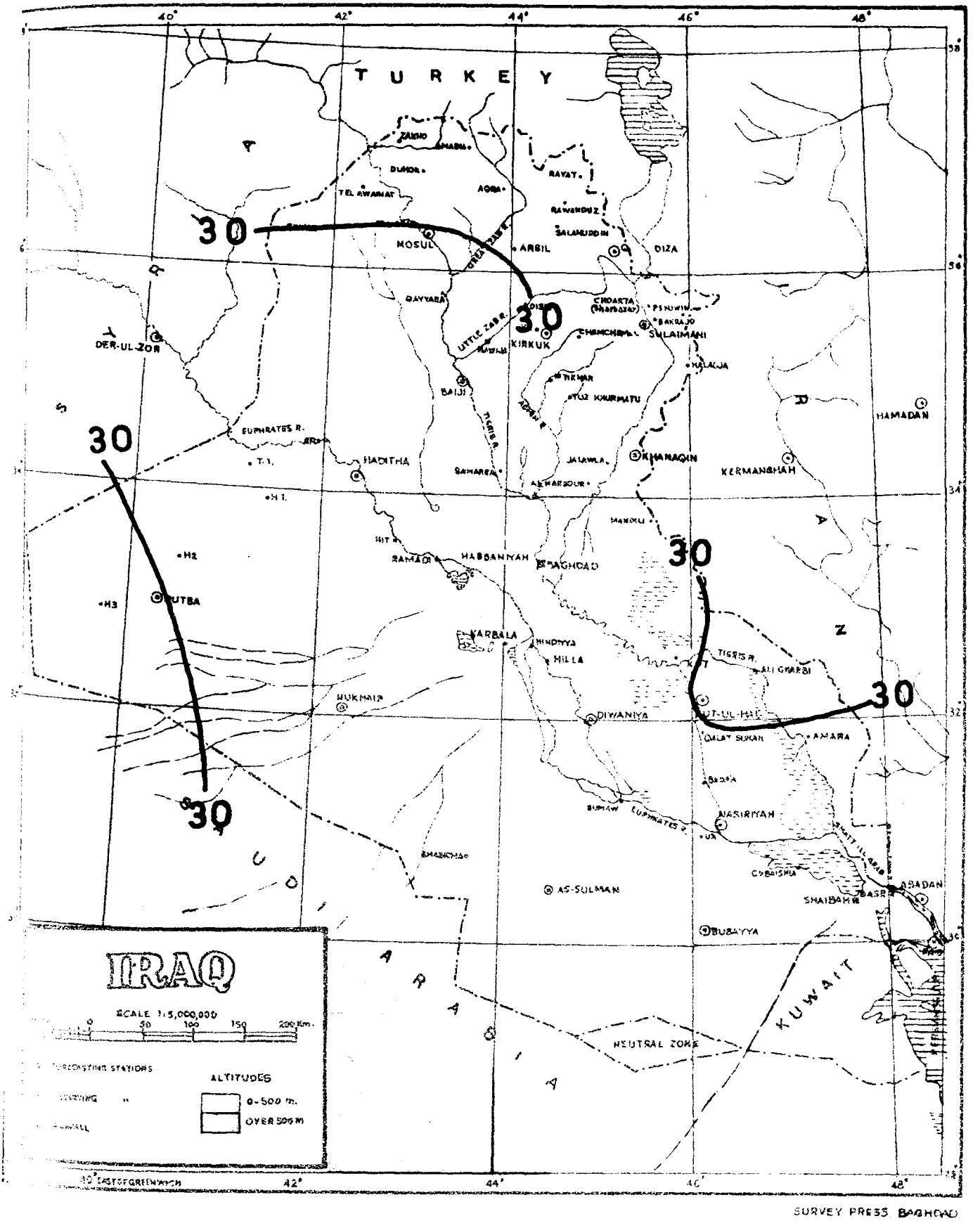
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

JUNE



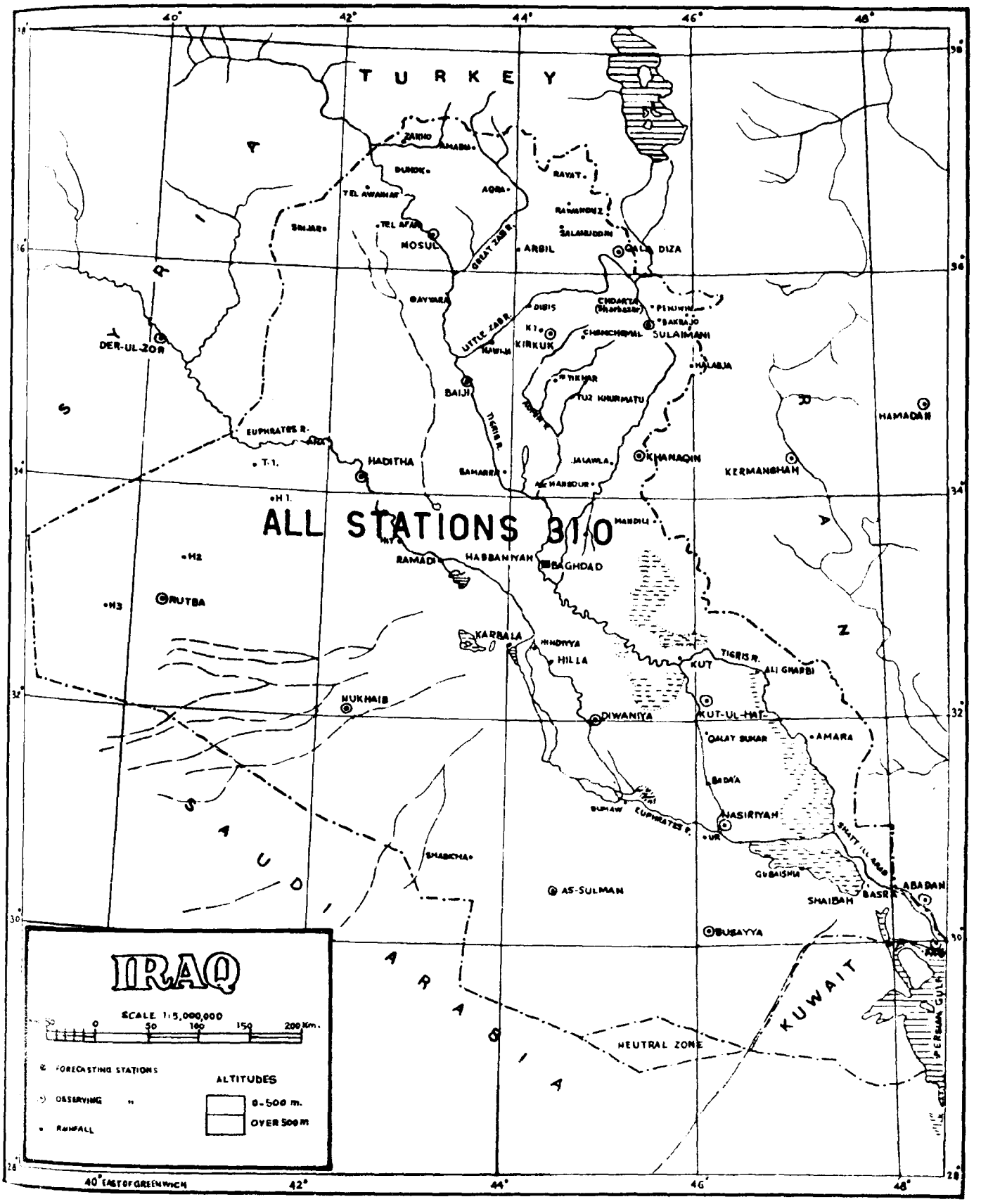
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

JULY AUGUST

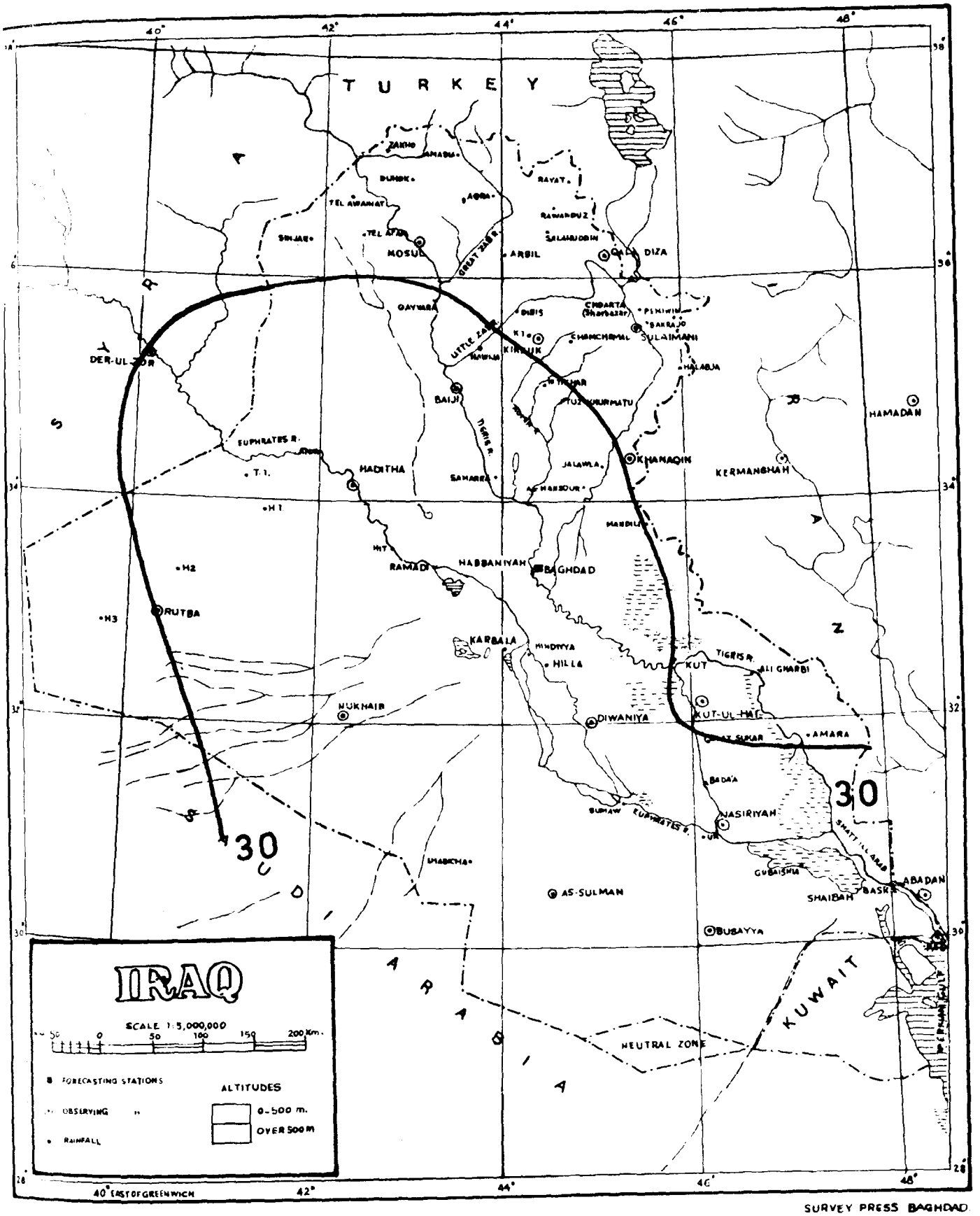


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

SEPTEMBER

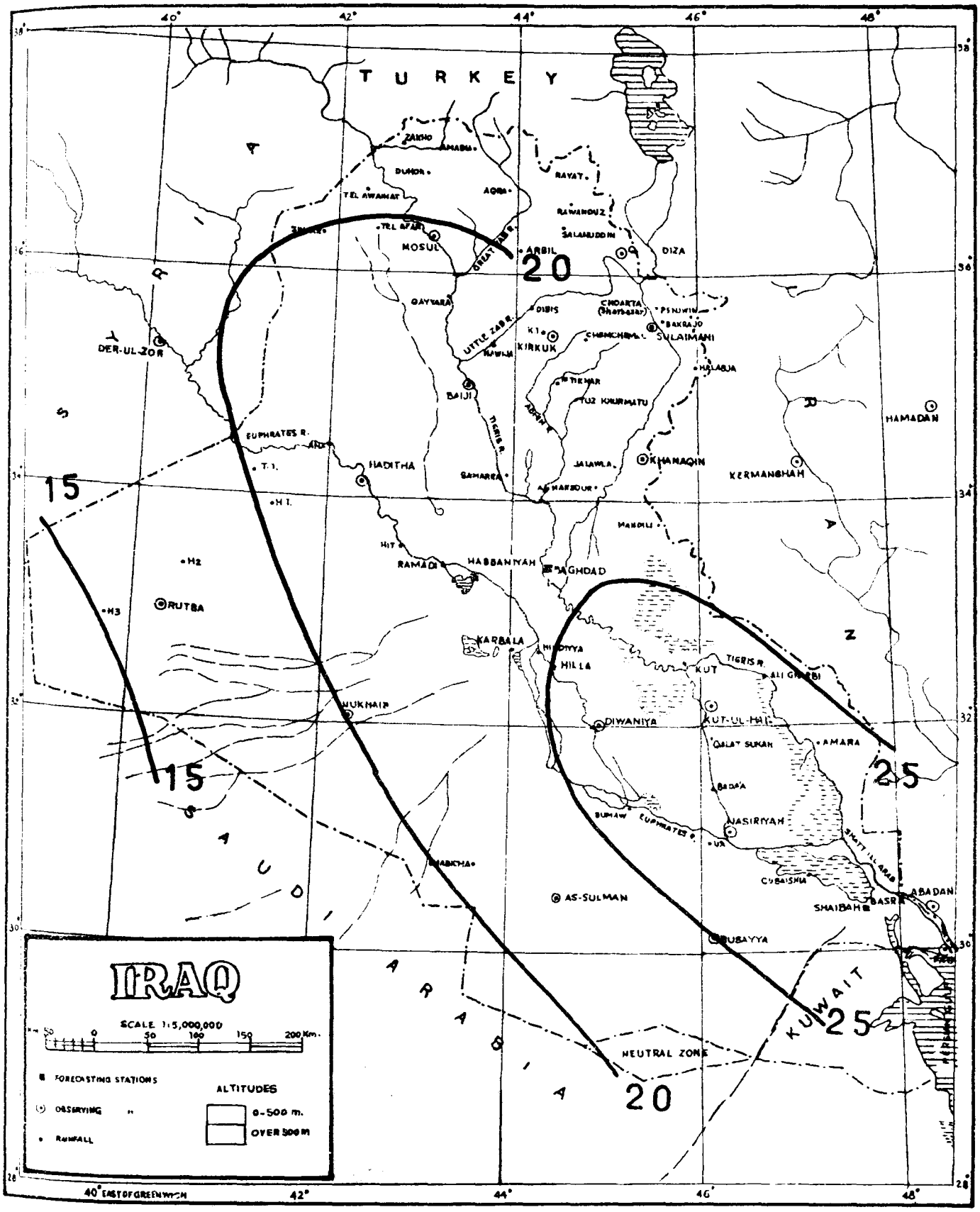


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

OCTOBER

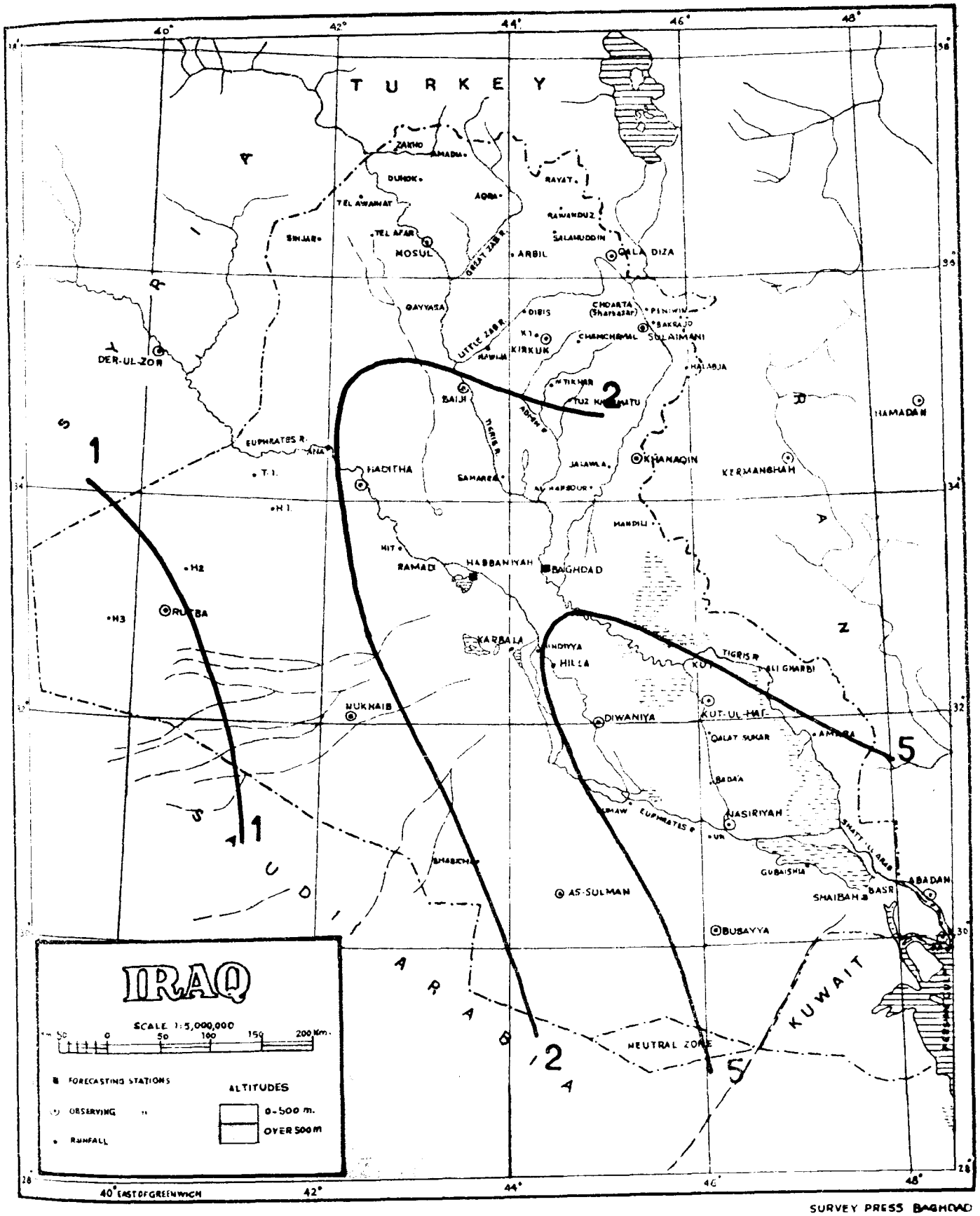


TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 30 C° or More

period of records see page 2/3

NOVEMBER

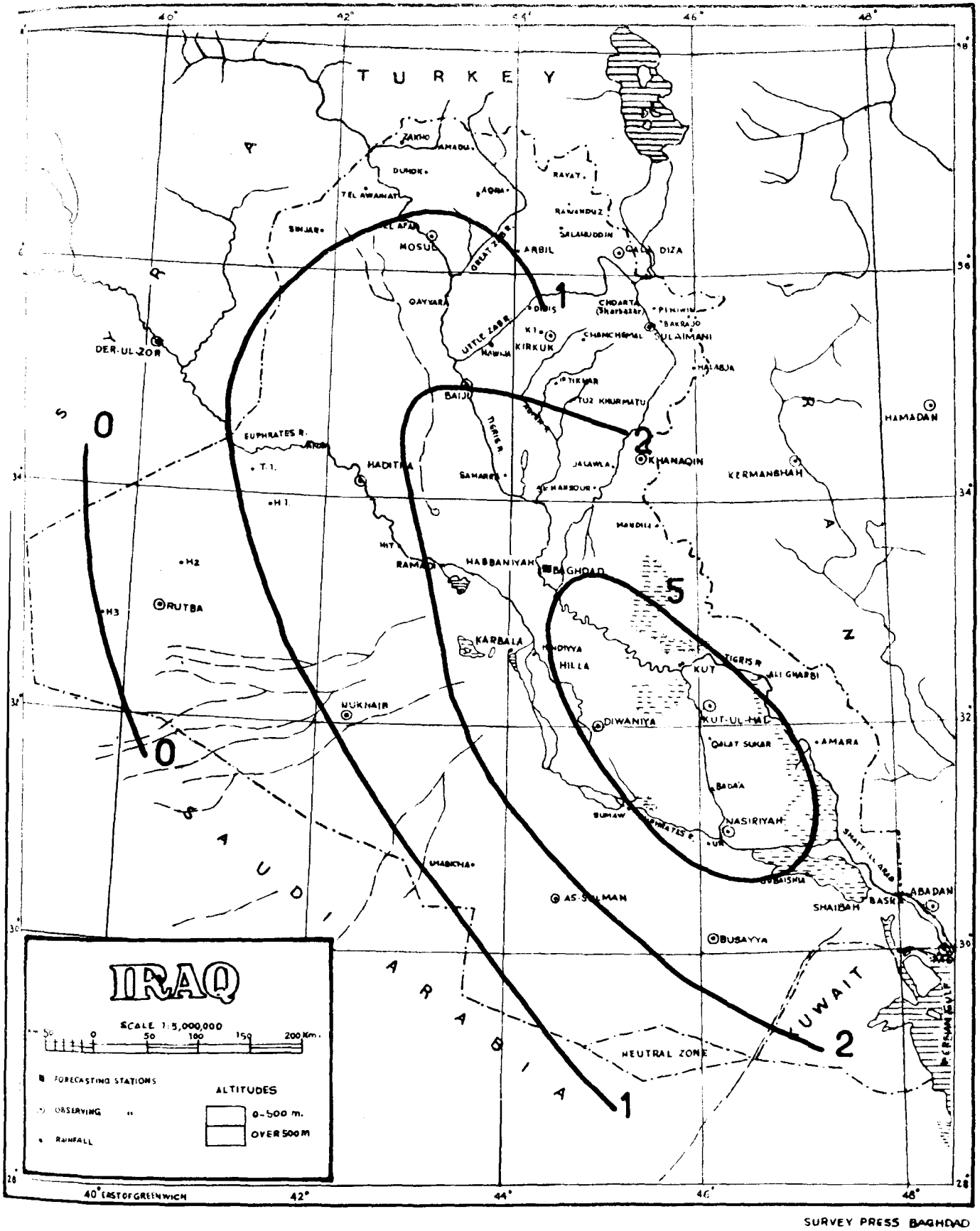


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 40 C° or More

period of records see page 2/3

MAY



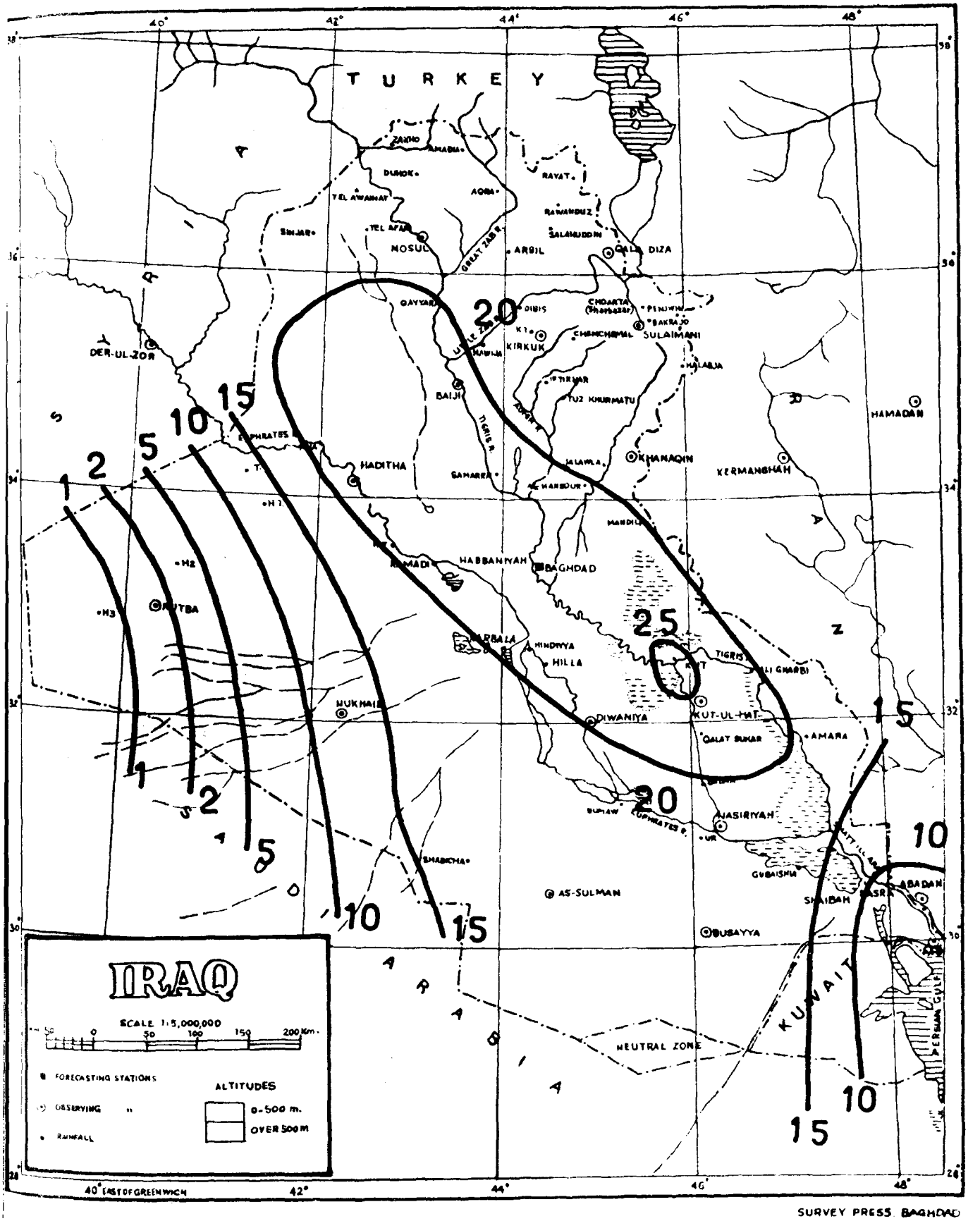
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 40 C° or More

period of records see page 2/3

JUNE

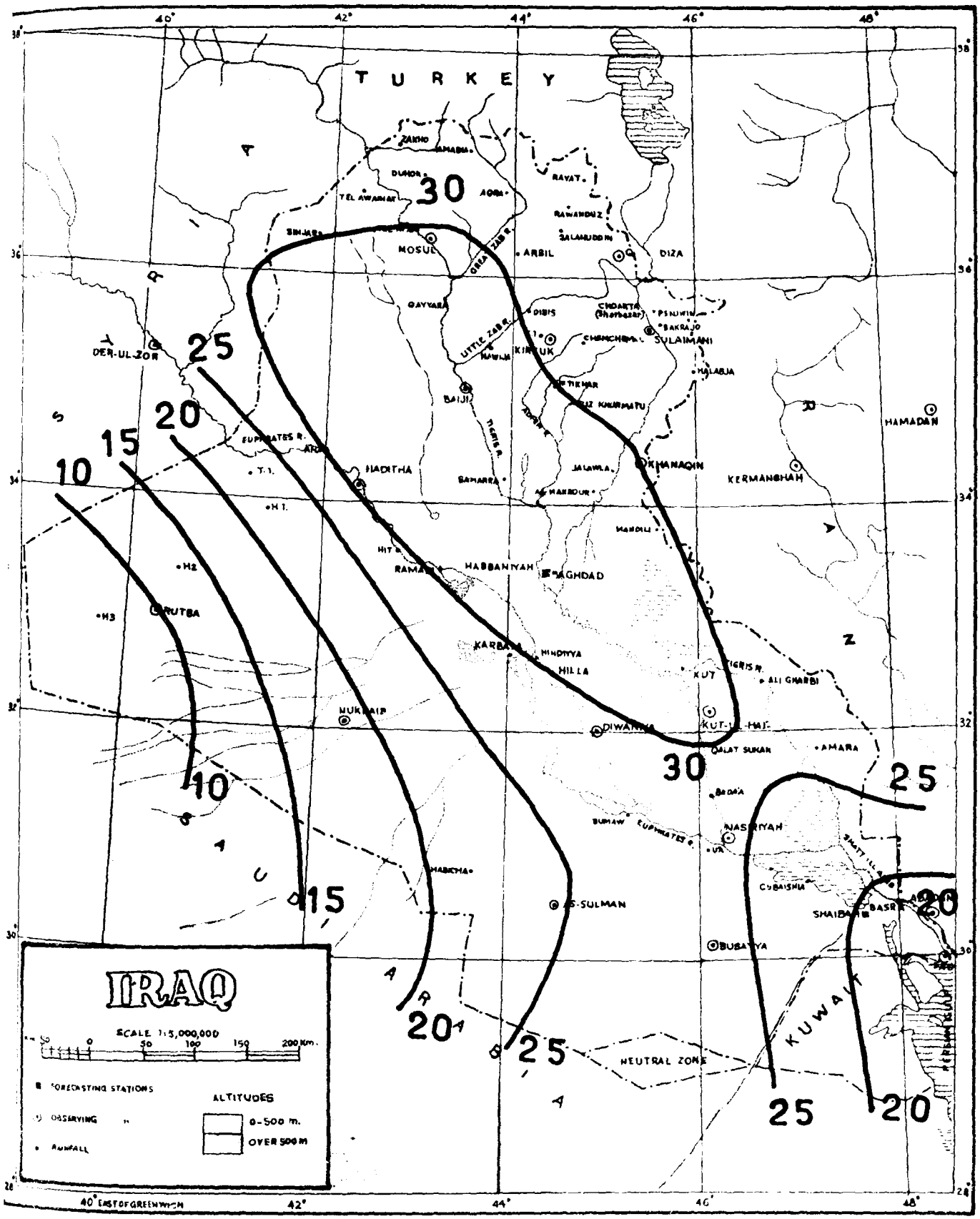


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 40 C° or More

period of records see page 2/3

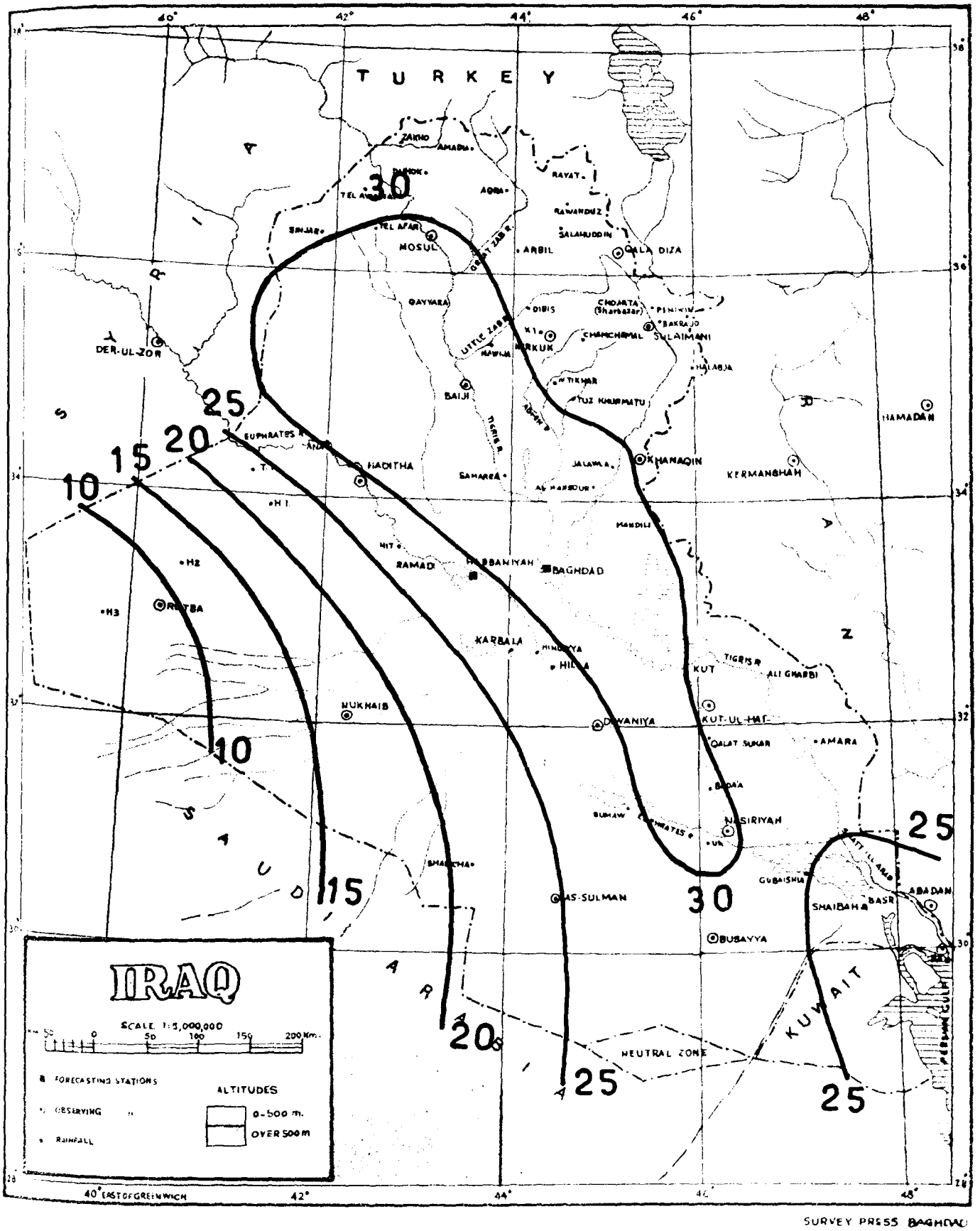
JULY



SURVEY PRESS. BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 40 C° or More
period of records see page 2/3

AUGUST

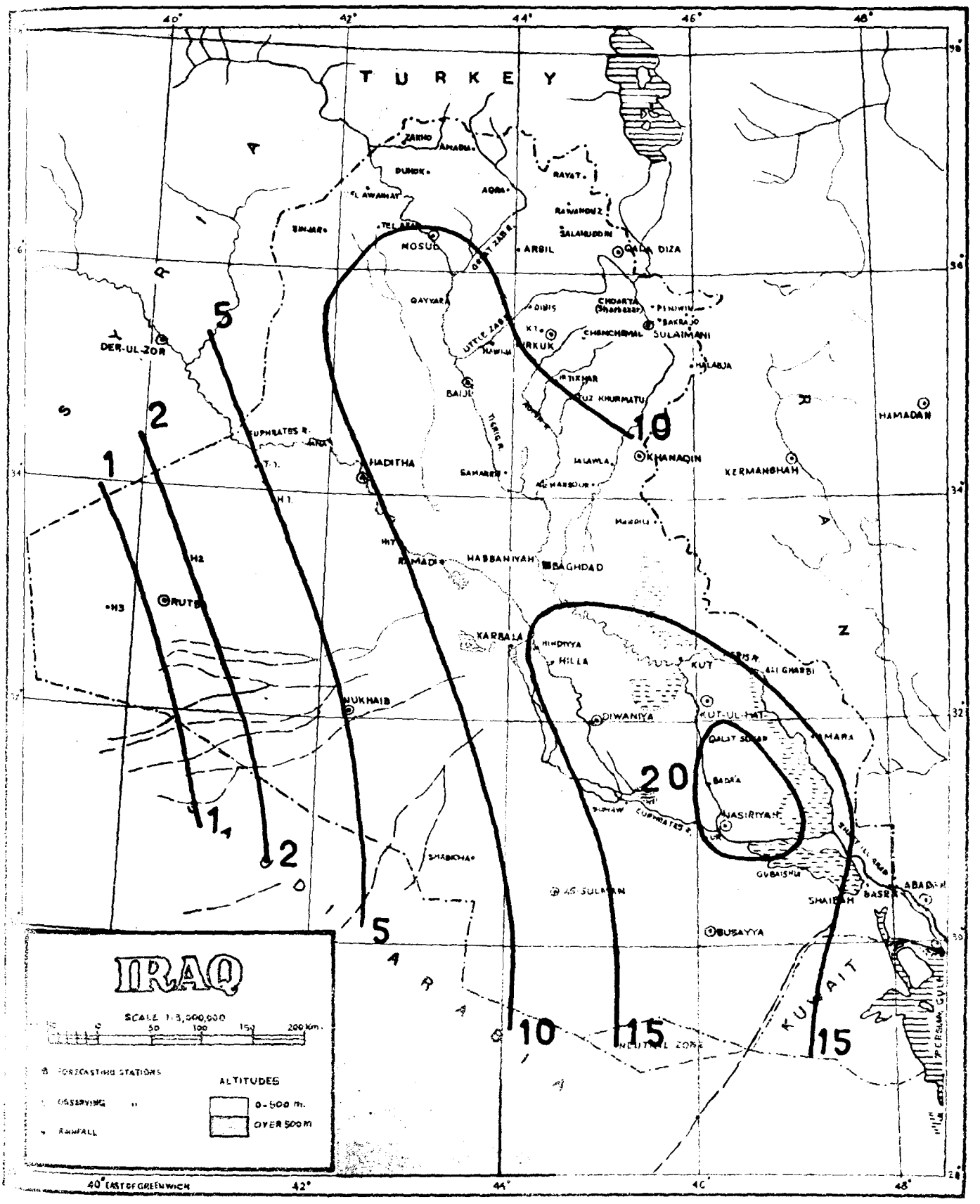


SURVEY PRESS BAGHDAD

Mean Monthly Number of Days with Maximum Temperature 40 C° or More

period of records see page 2/3

SEPTEMBER



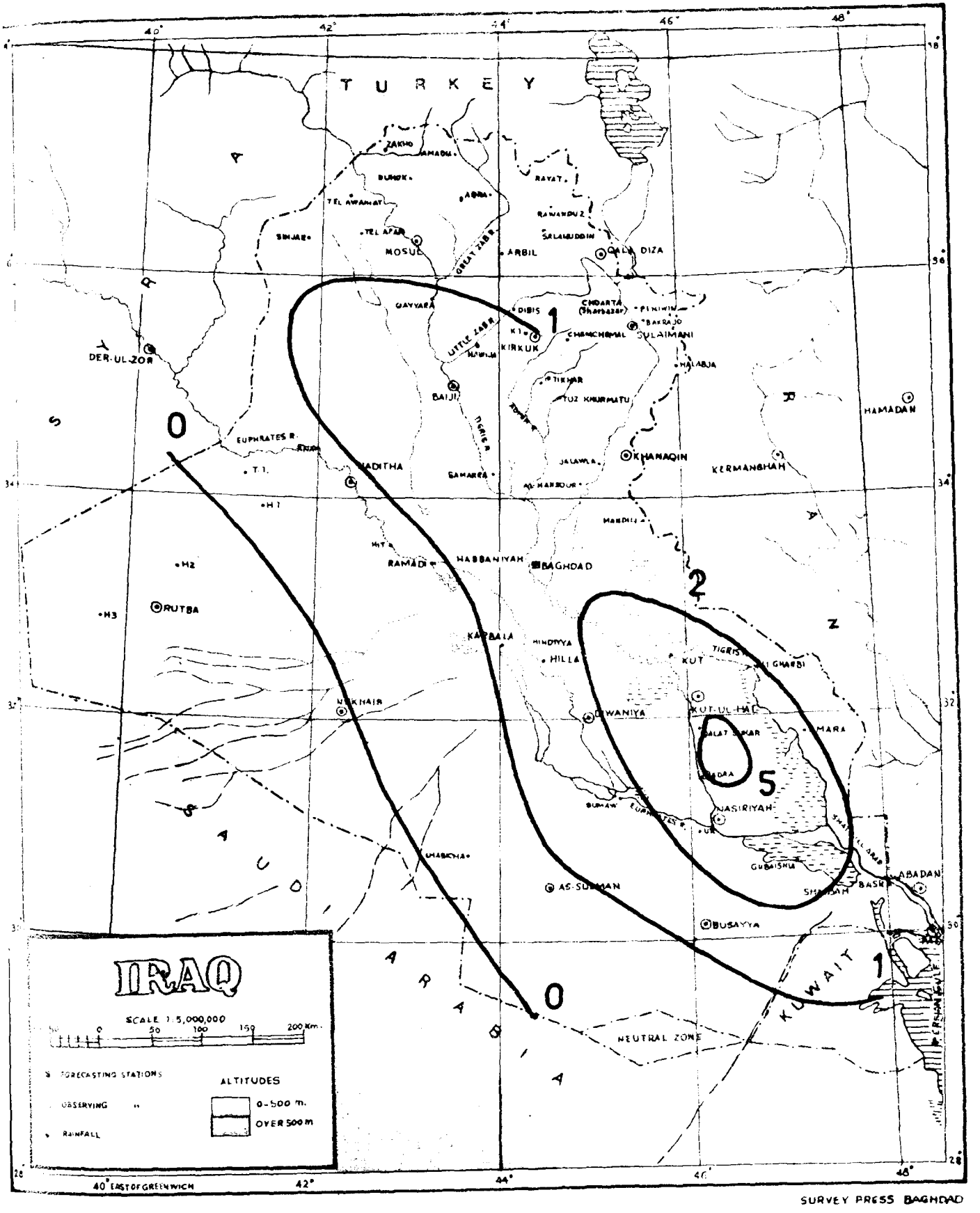
SURVEY PRESS, BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Maximum Temperature 40 C° or More

period of records see page 2/3

OCTOBER

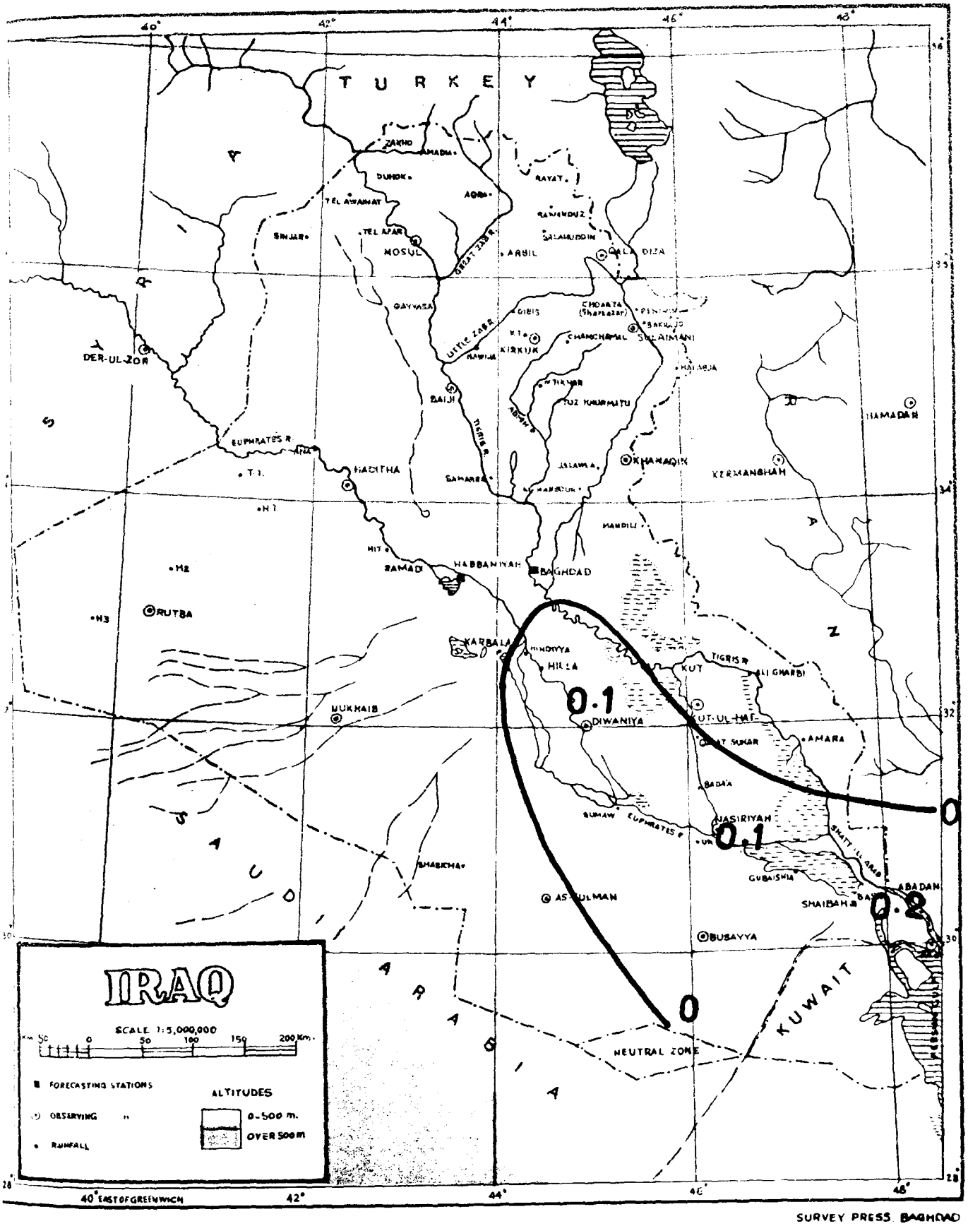


TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

MAY



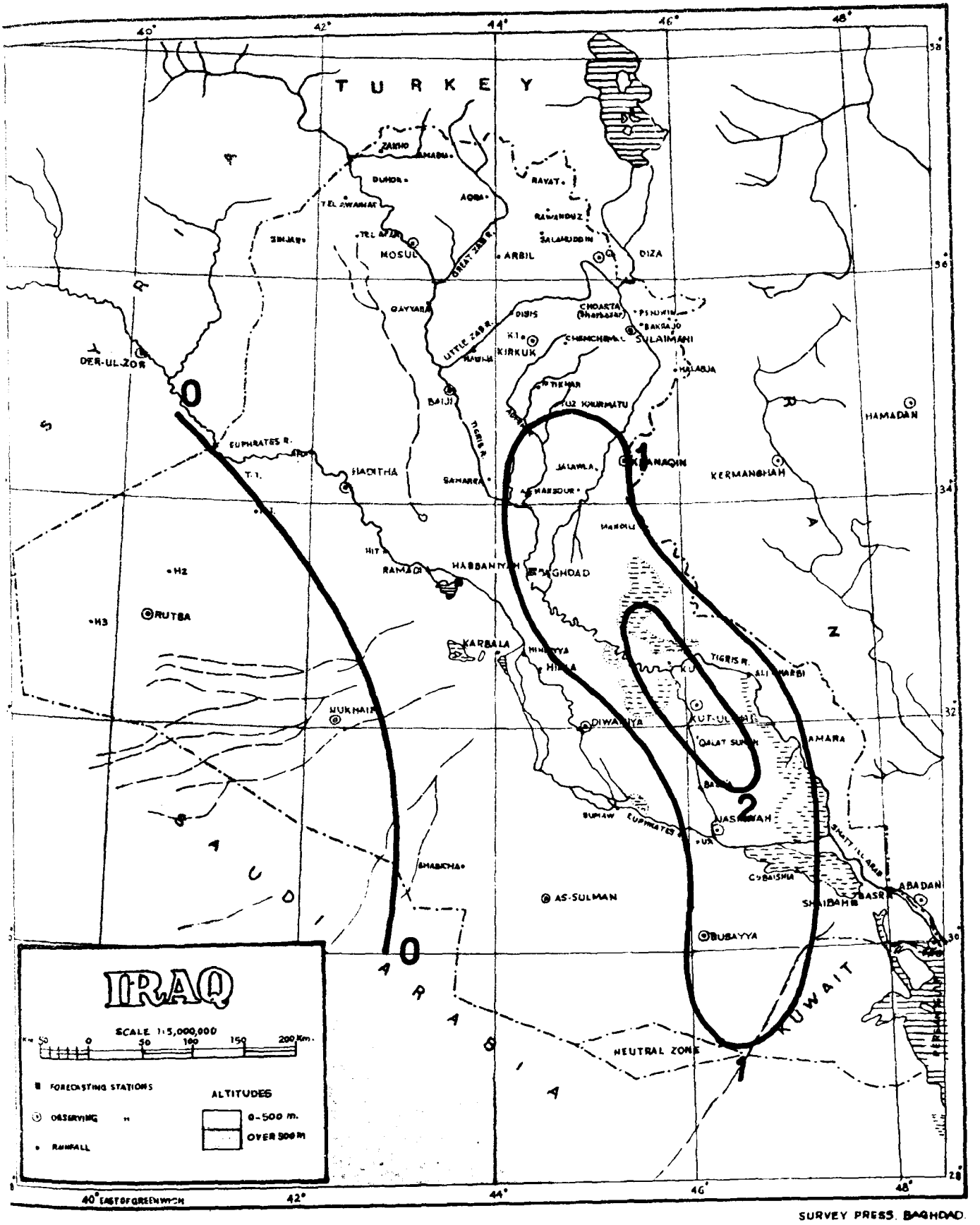
SURVEY PRESS. BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

JUNE



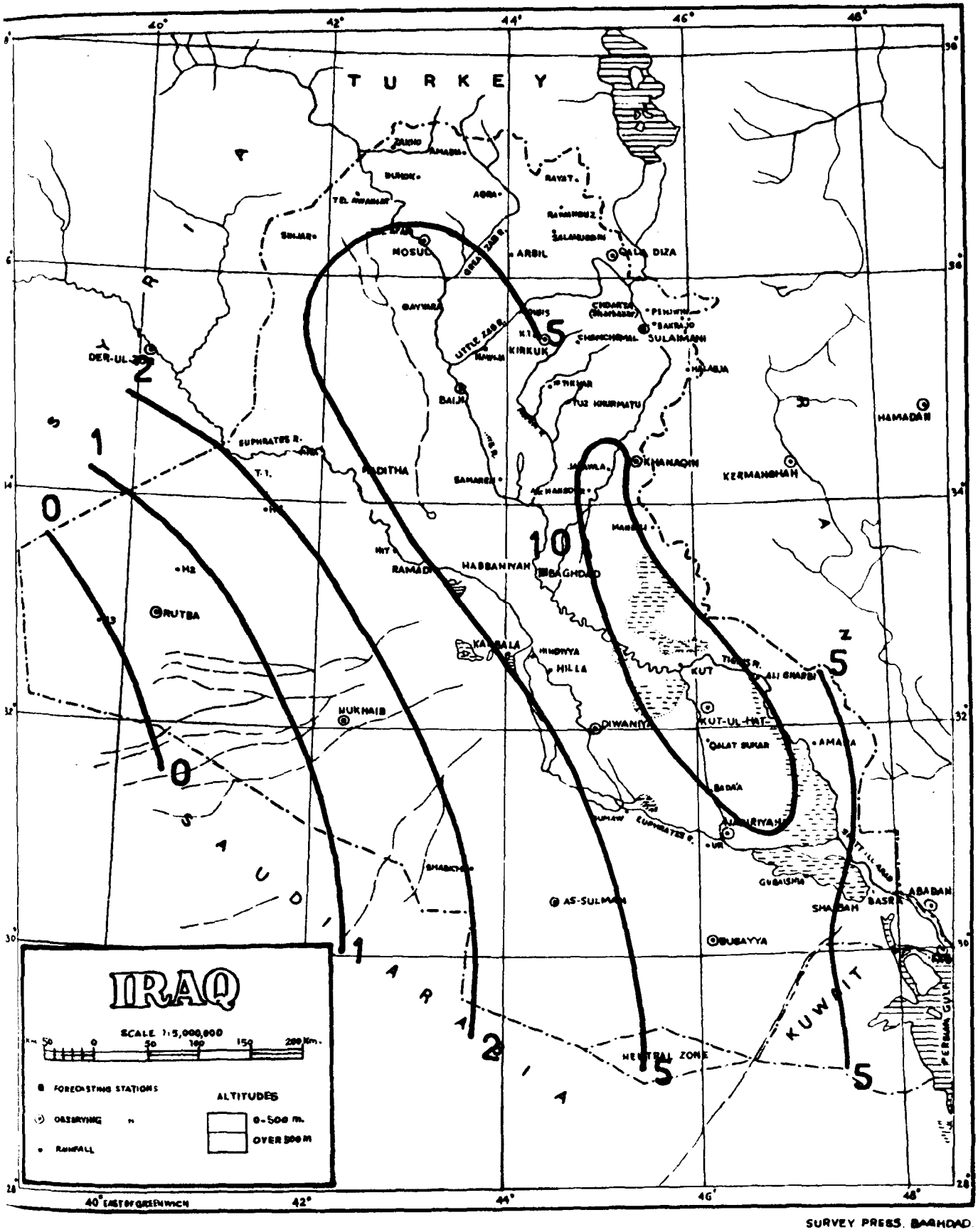
SURVEY PRESS, BAGHDAD.

TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

JULY



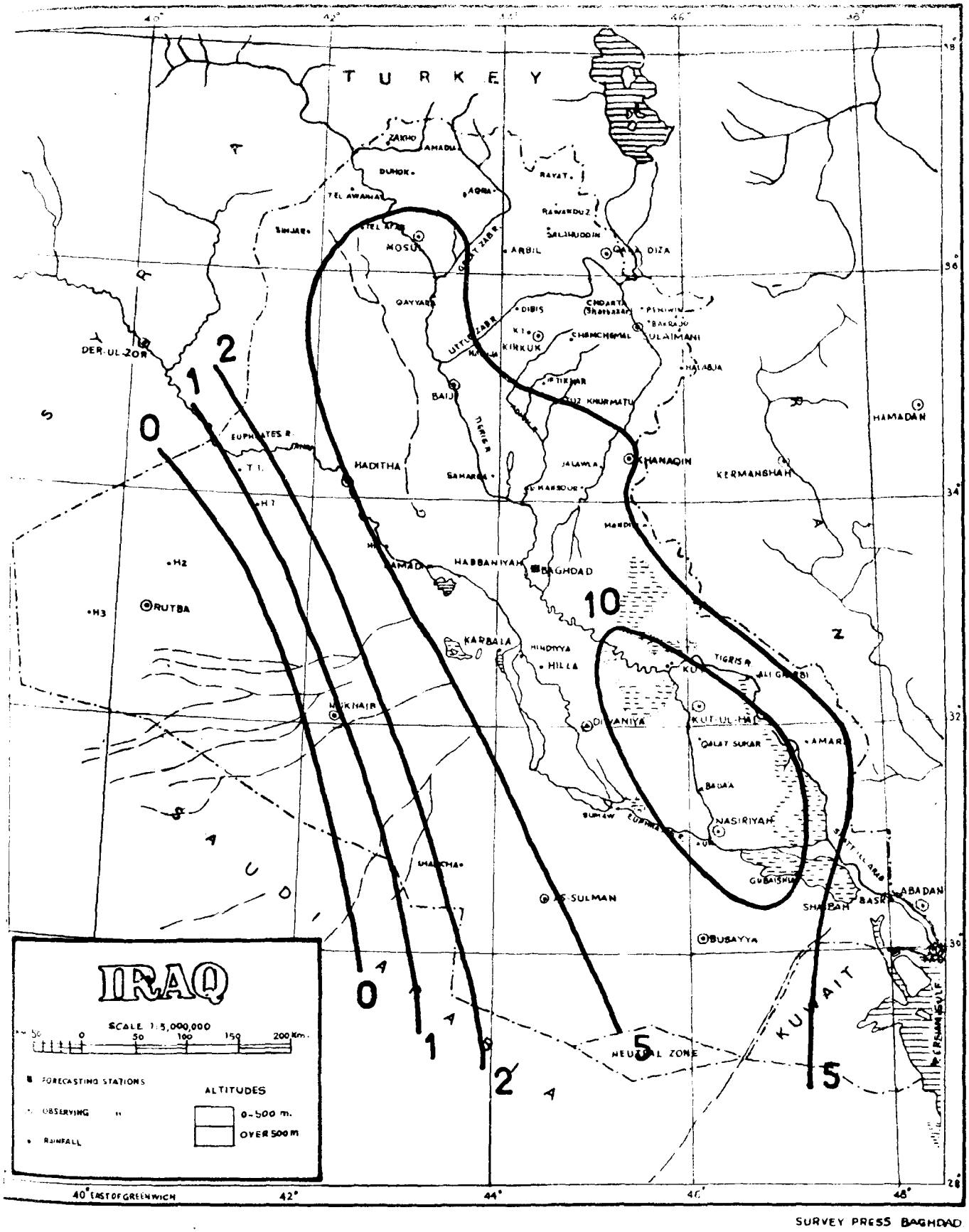
SURVEY PRESS. BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

AUGUST



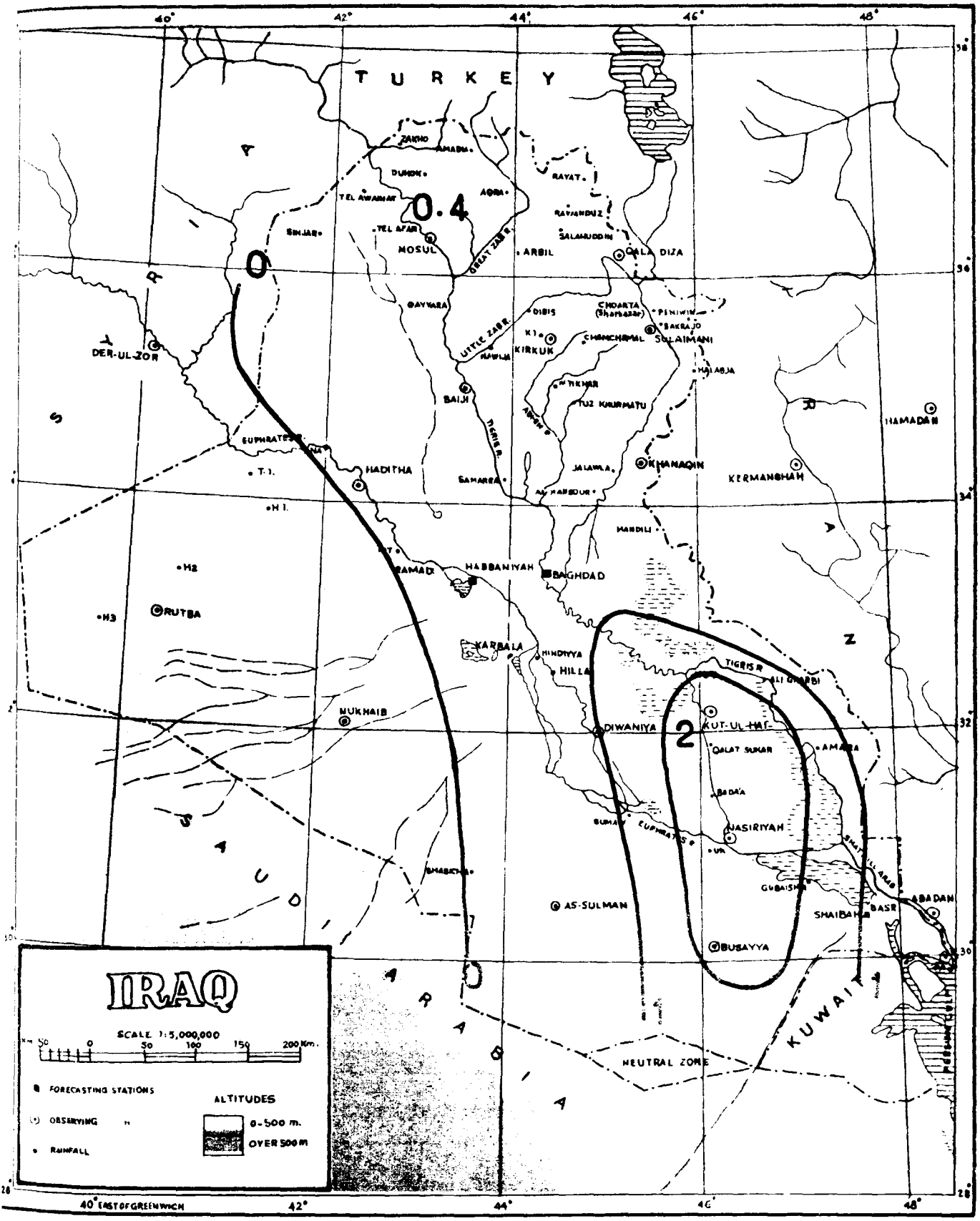
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

SEPTEMBER



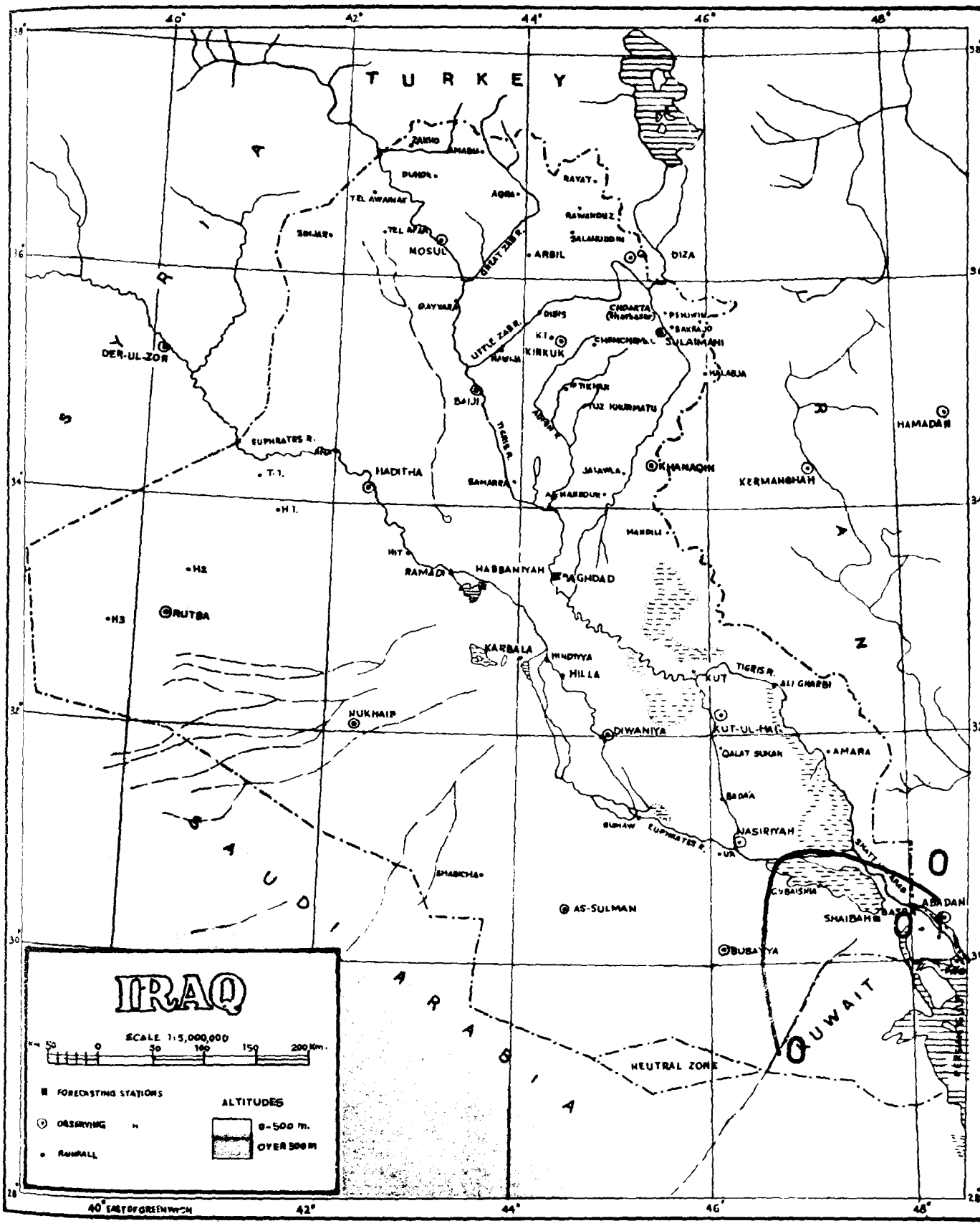
SURVEY PRESS BAGHDAD

TEMPERATURE

Mean Monthly Number of Days with Temperature Maximum Exceeding 45 C°

period of records see page 2/3

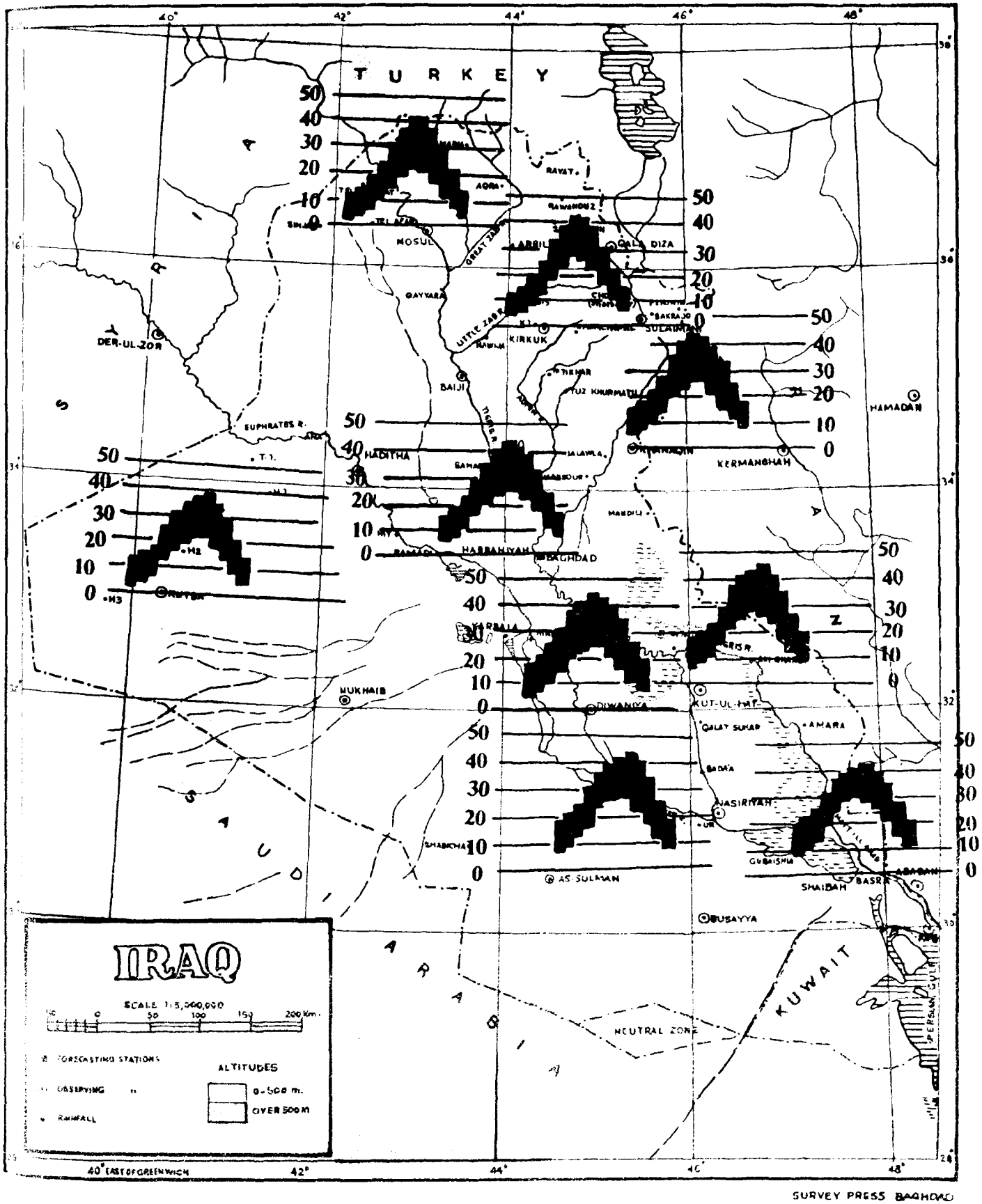
OCTOBER



SURVEY PRESS. BAGHDAD.

TEMPERATURE

Mean Monthly Maximum and Mean Monthly Minimum (Celsius°)
Each Column Represents One Month Starting with January (Left)
period of records see page 2/3



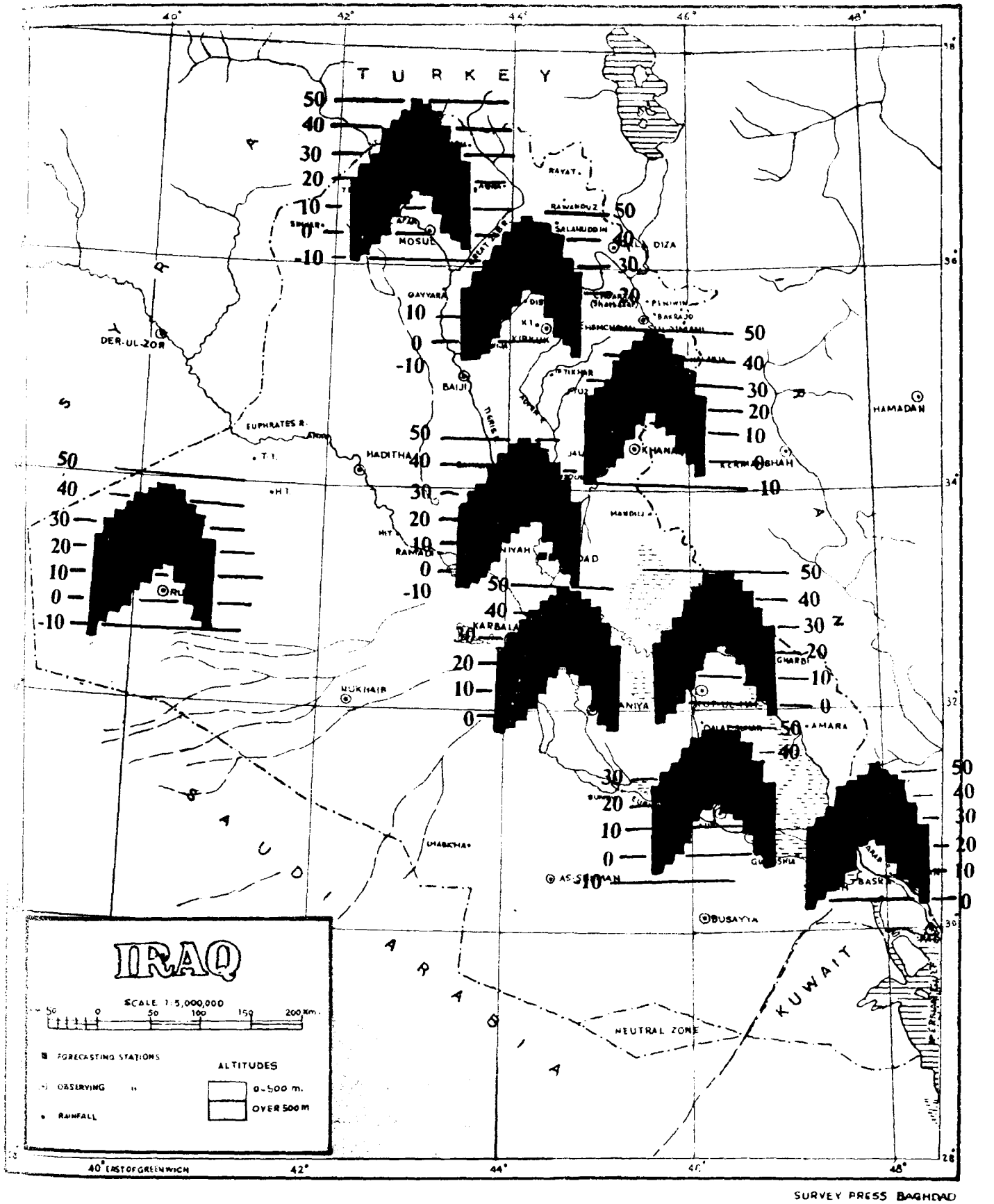
SURVEY PRESS BAGHDAD

TEMPERATURE

Highest Maximum and Lowest Minimum ever observed for each month of the year

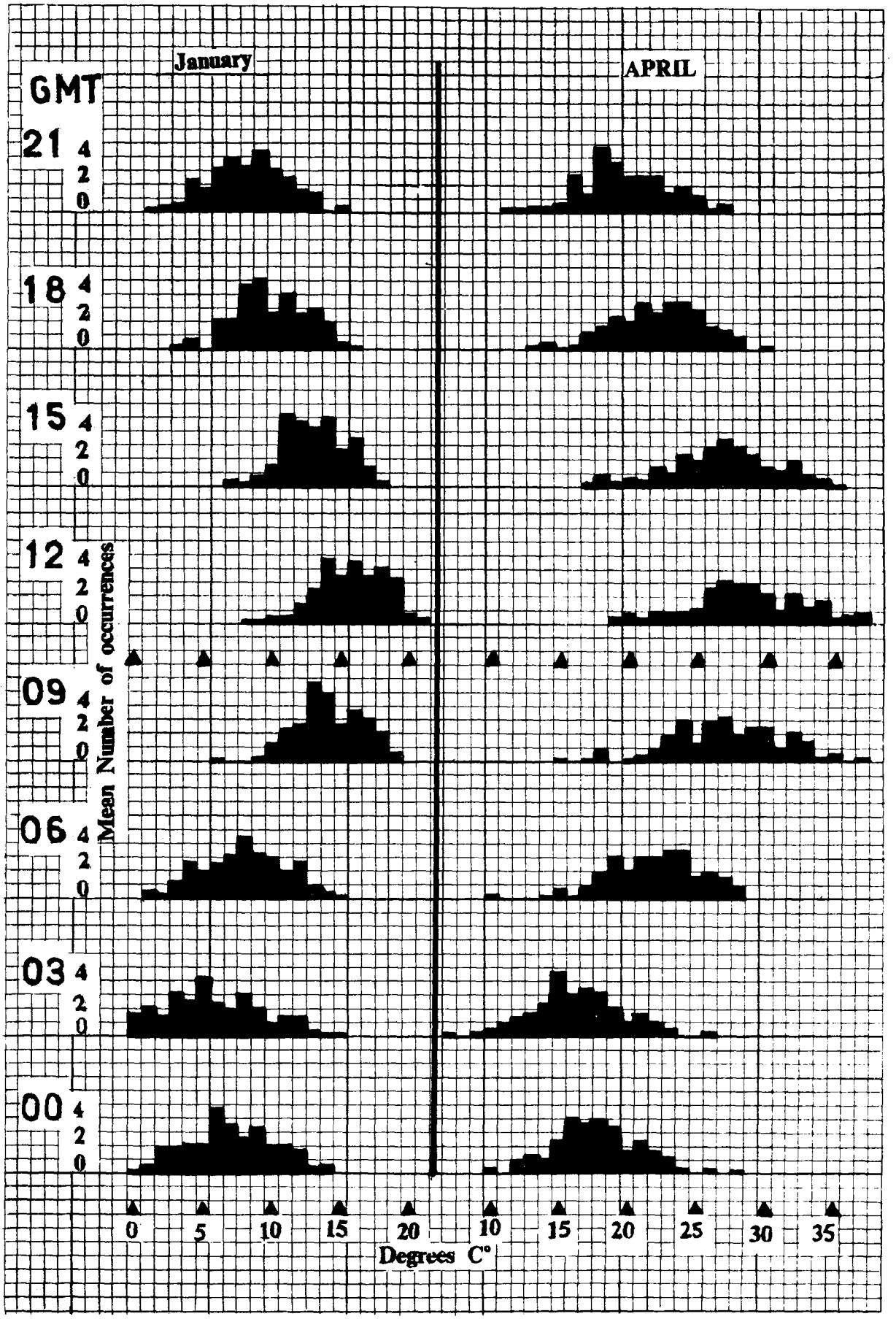
Each Column Represents One Month Starting with January (Left)

period of records see page 2/3

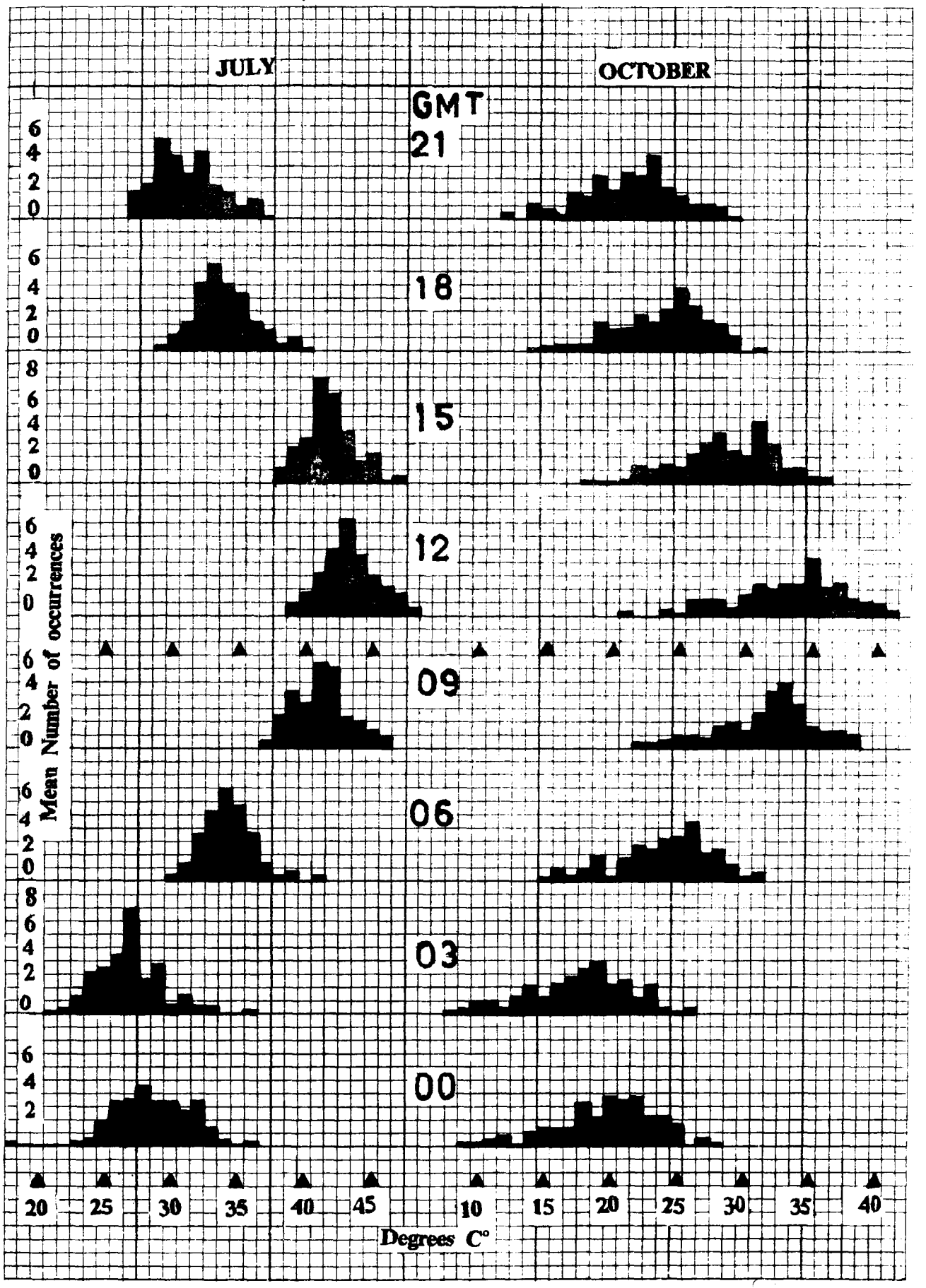


SURVEY PRESS BAGHDAD

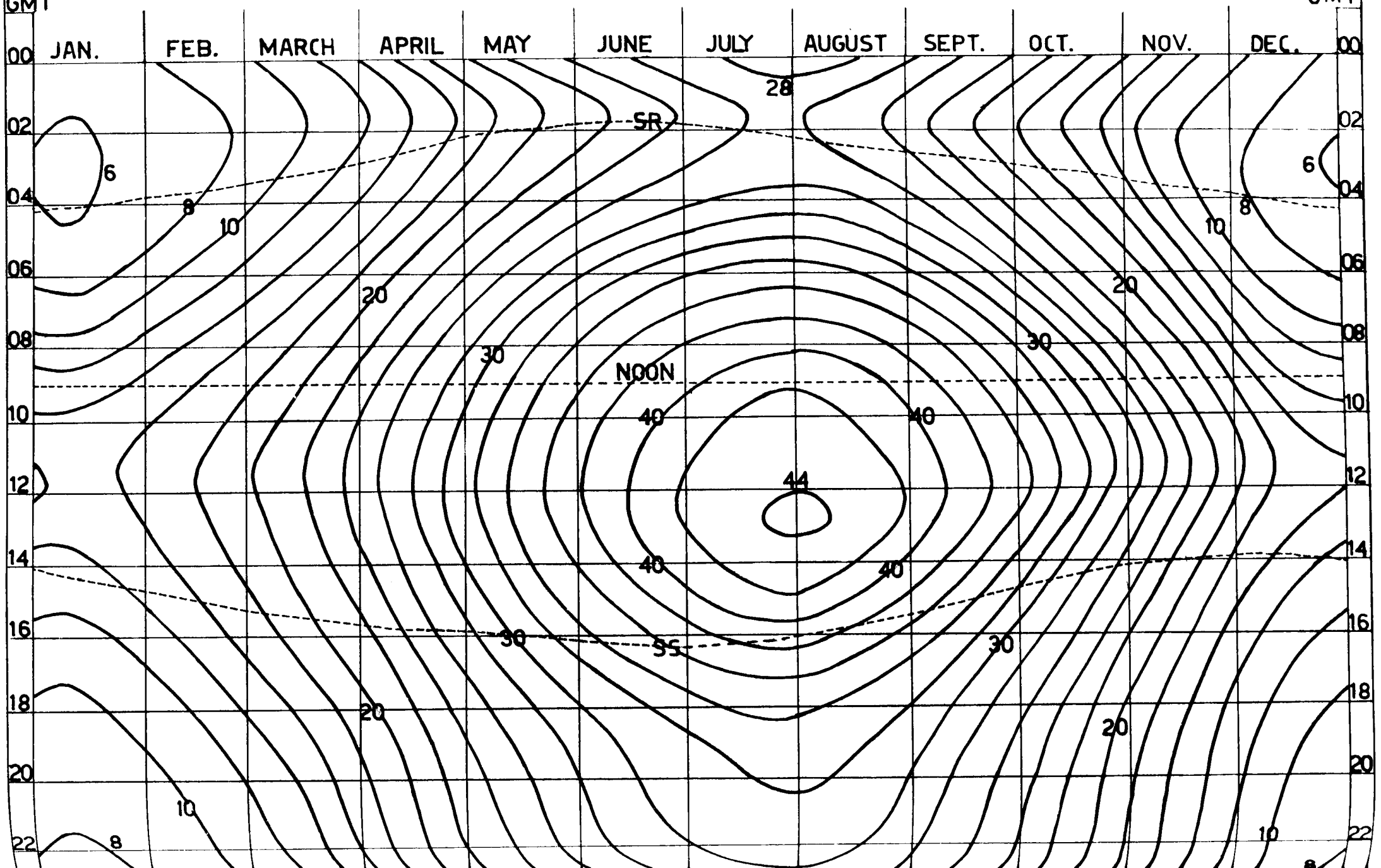
TEMPERATURE
Mean Number of Specified Values of Surface Dry Bulb Temperature at Baghdad Airport
period of records 1951—1955



TEMPERATURE
Mean Number of Specified Values of Surface Dry Bulb Temperature at Baghdad Airport period of records 1951—1955

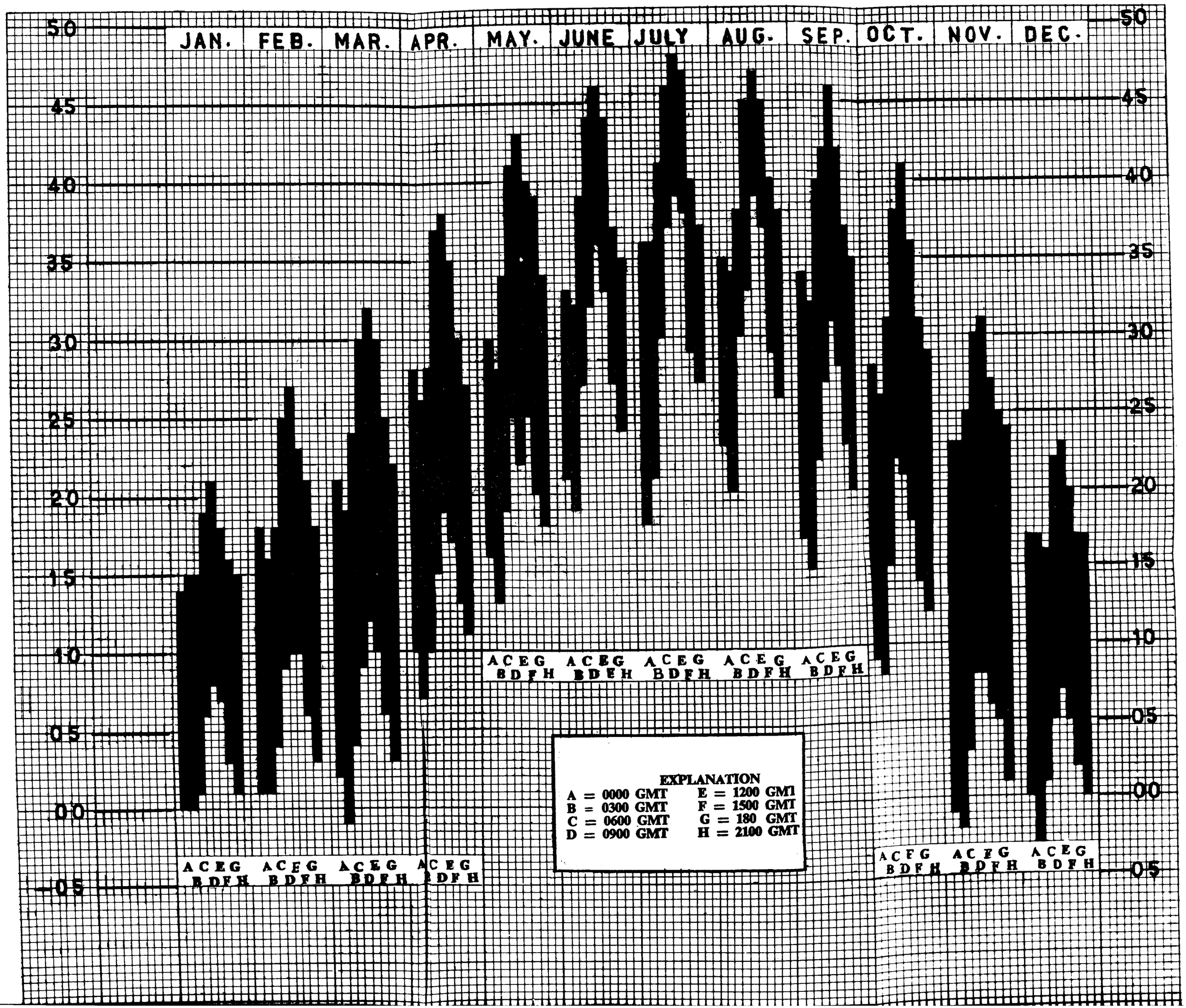


ISOPLETHS OF THE MEAN TEMPERATURE AT BAGHDAD AIRPORT [C°]

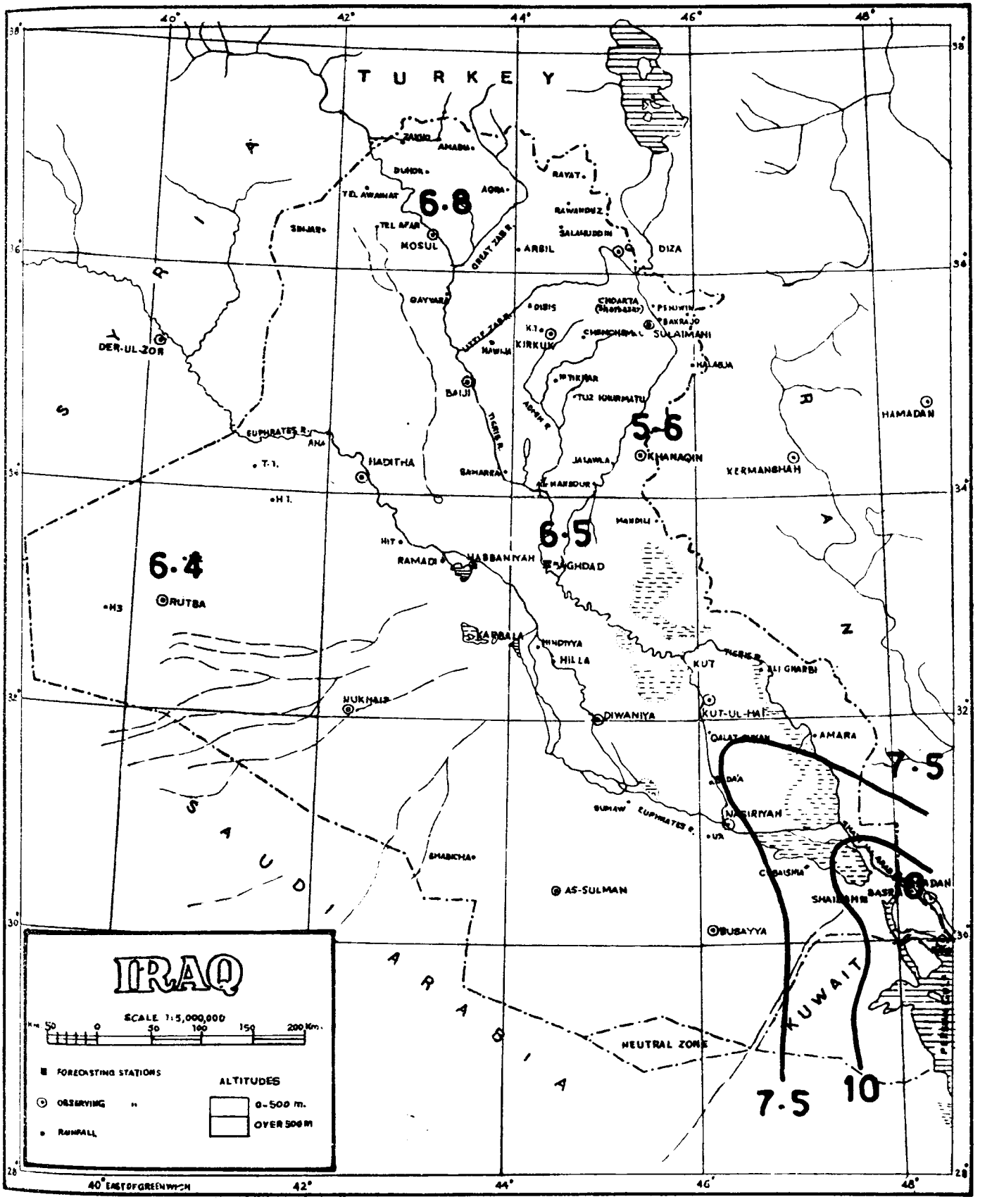


MONTHLY TEMPERATURE RANGES FOR SELECTED HOURS AT BAGHDAD AIRPORT [00, 03, 06, ETC. GMT]

PERIOD OF RECORDS 1951 - 1955



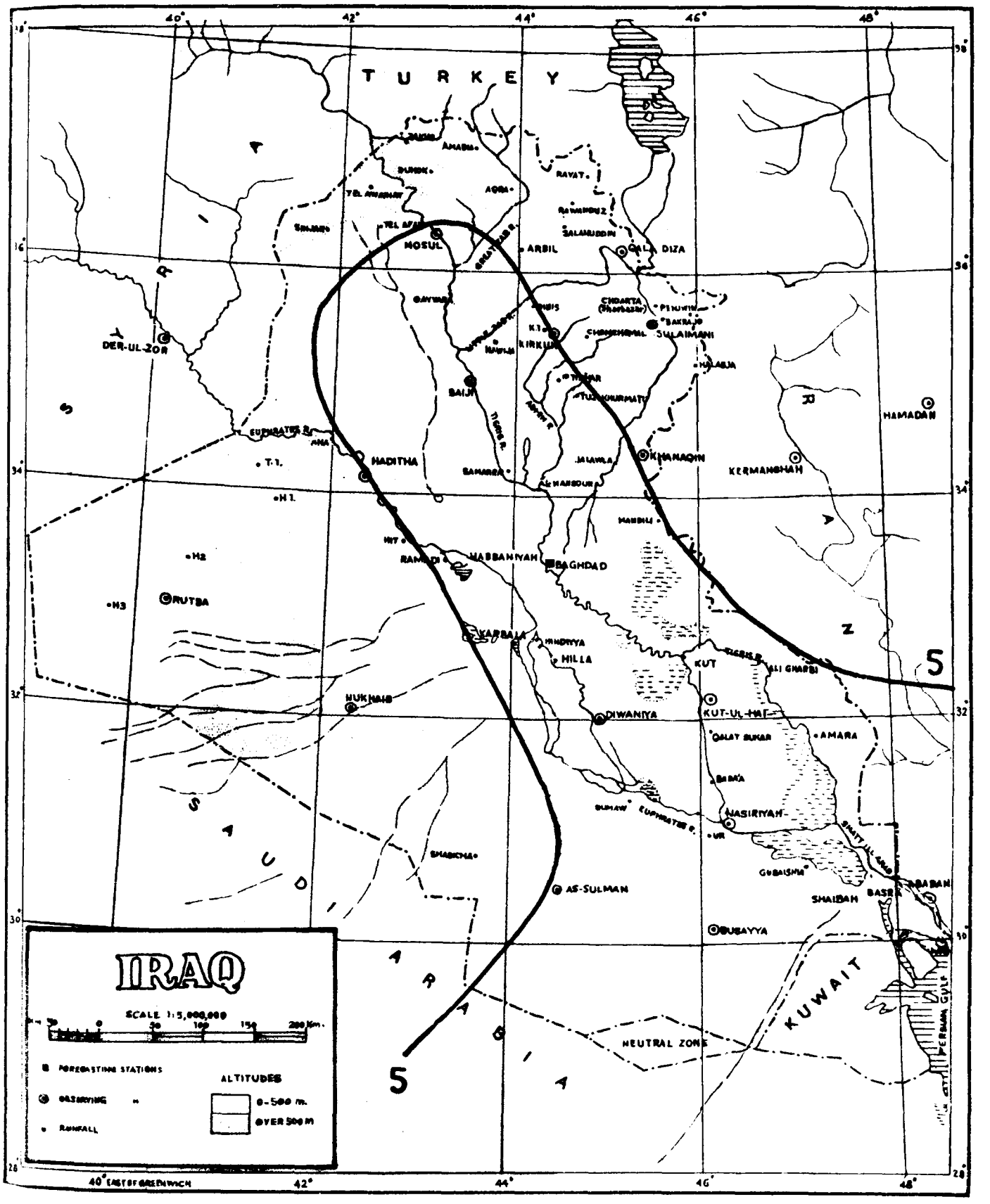
HUMIDITY
Mean Annual Mixing Ratio (gm/kg)
period of records see page 2/3



SURVEY PRESS. BAGHDAD.

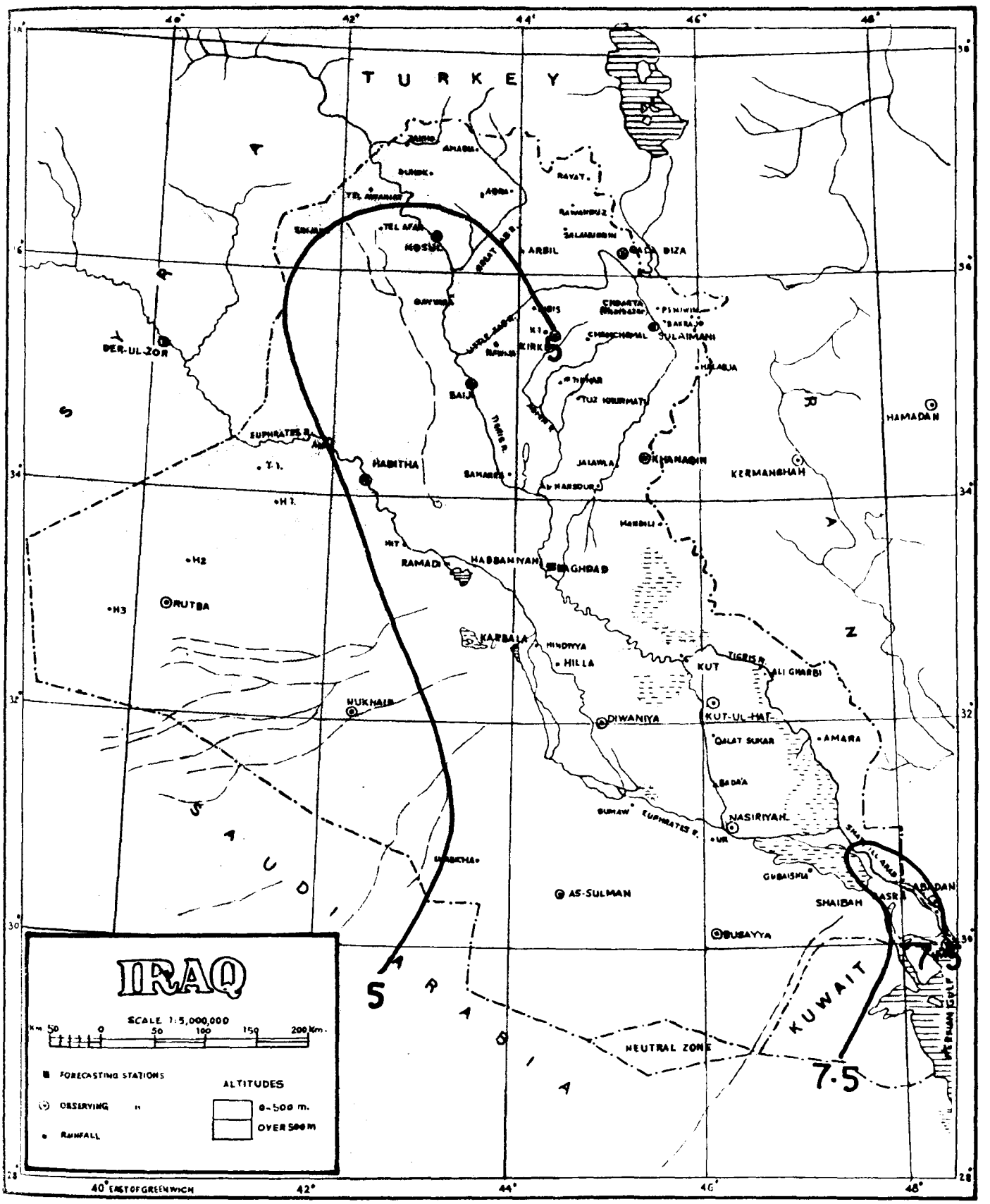
HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

JANUARY



HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

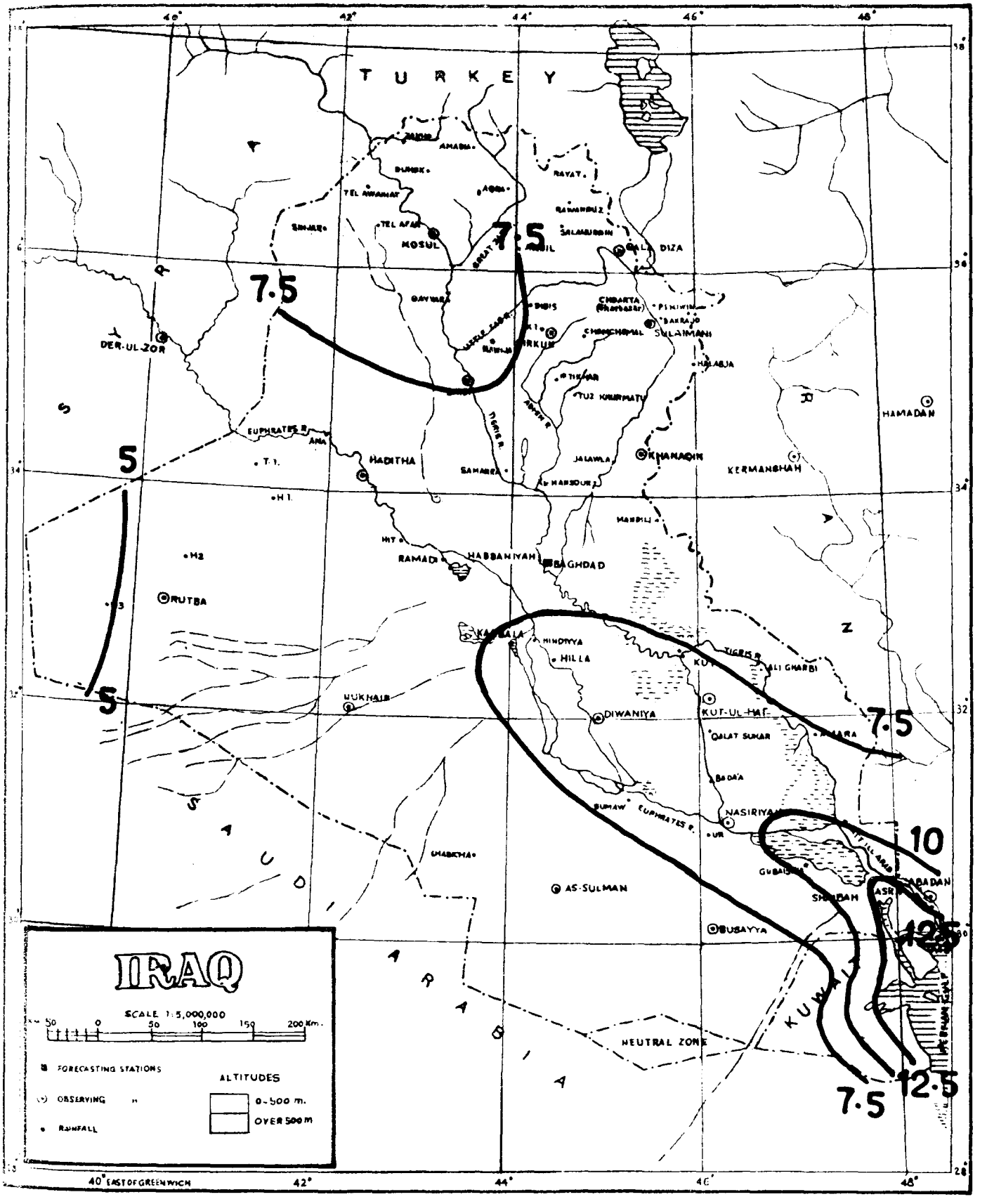
MARCH



SURVEY PRESS. BAGHDAD.

HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

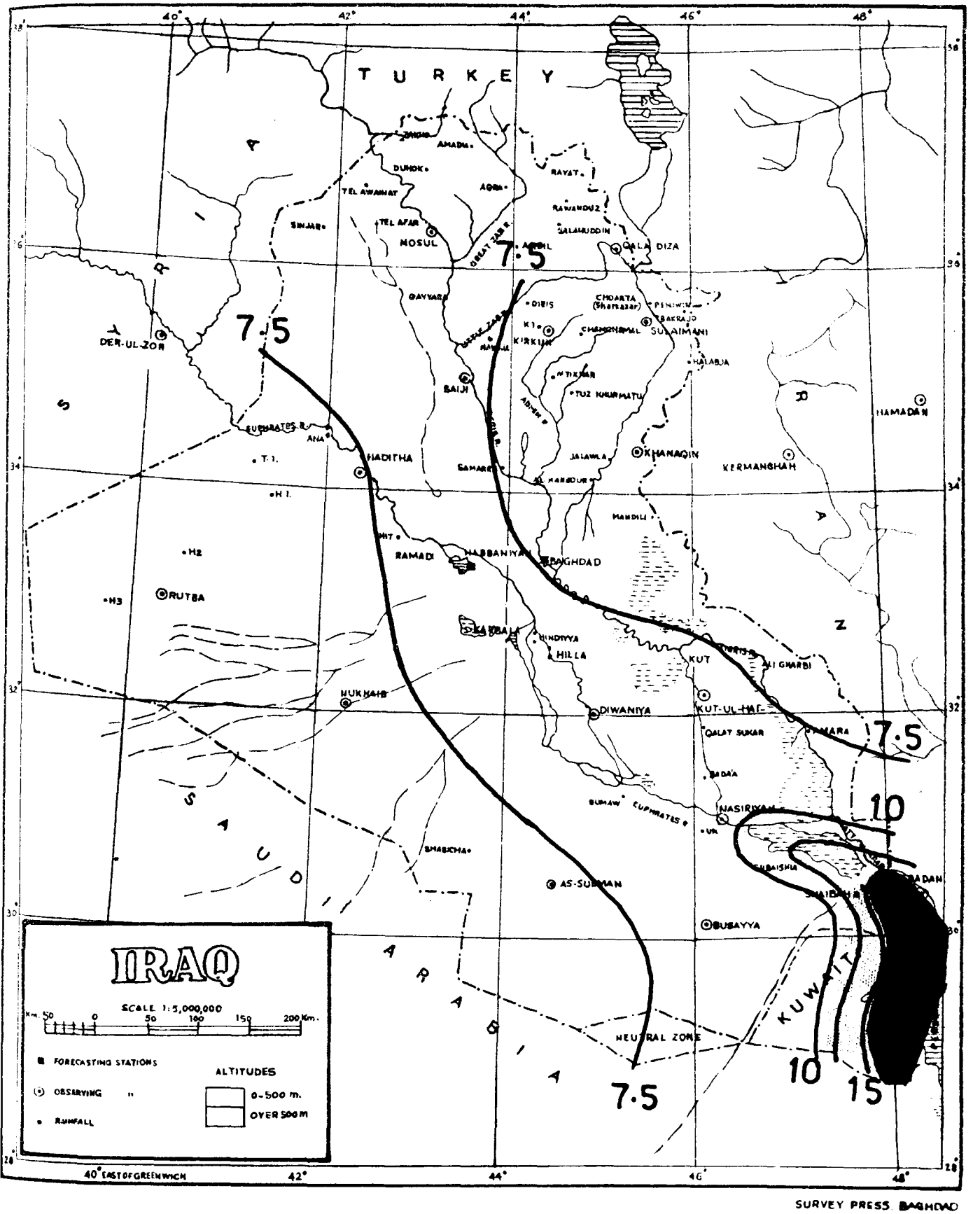
MAY



SURVEY PRESS BAGHDAD

HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

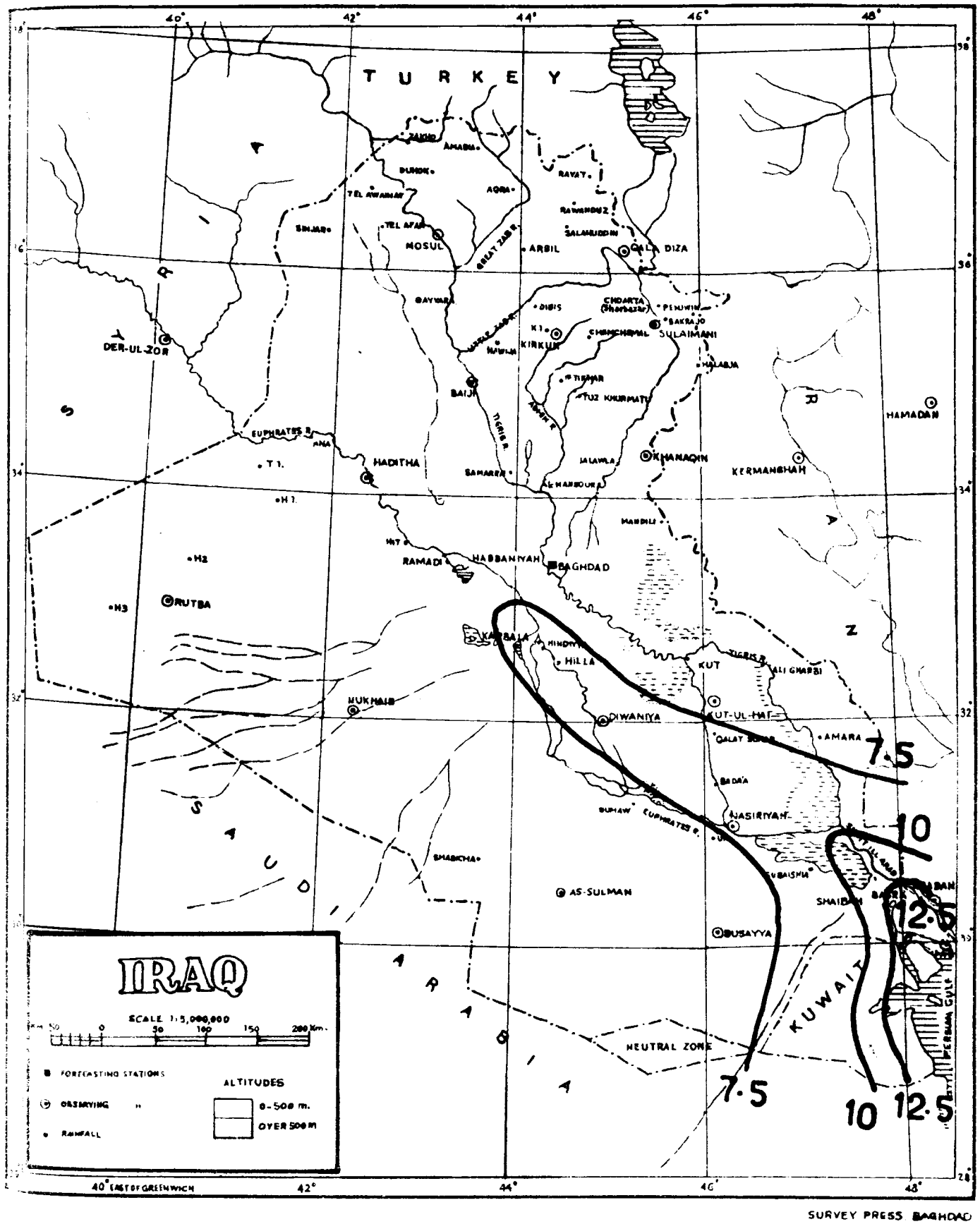
JULY



SURVEY PRESS BAGHDAD

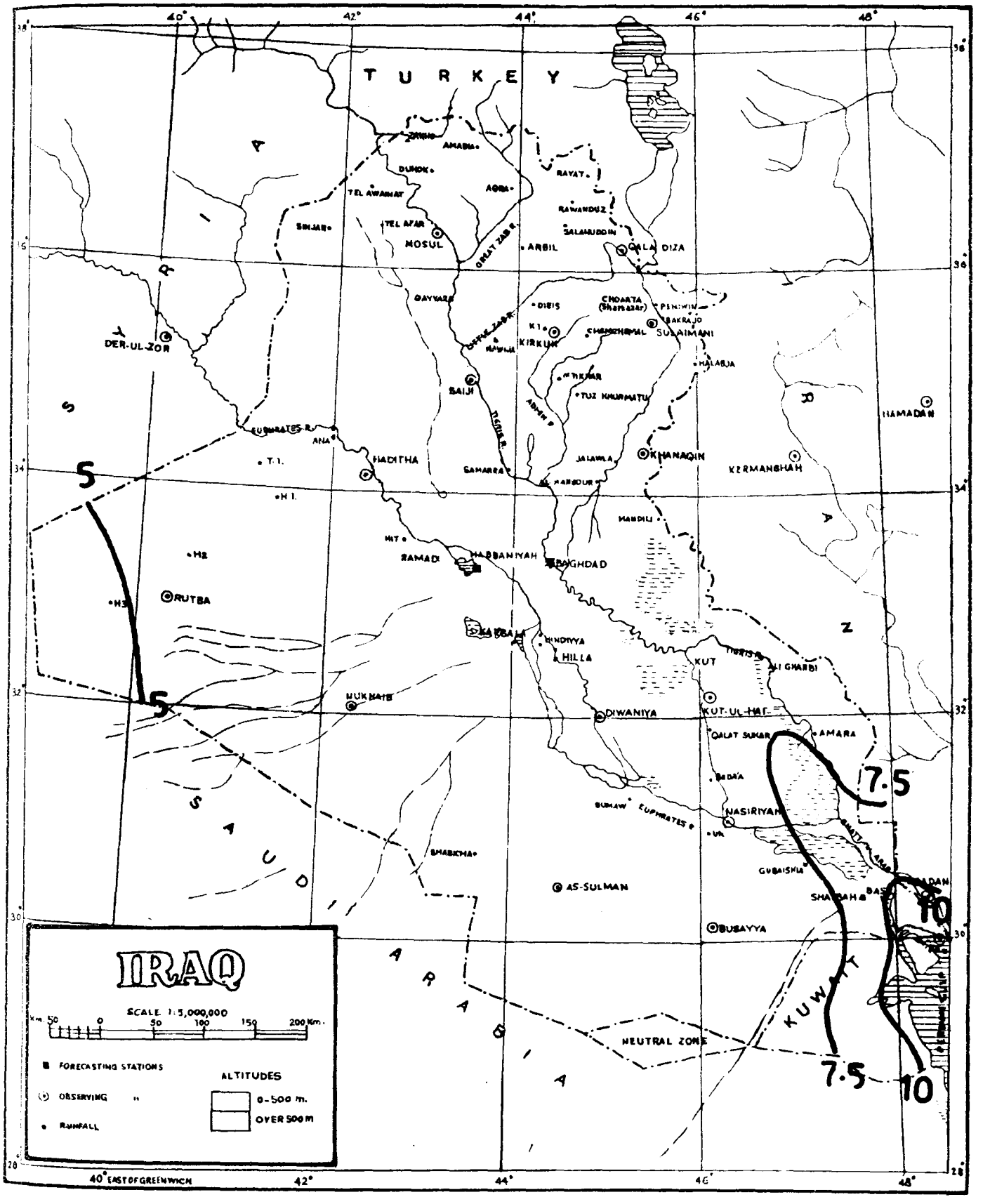
HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

SEPTEMBER



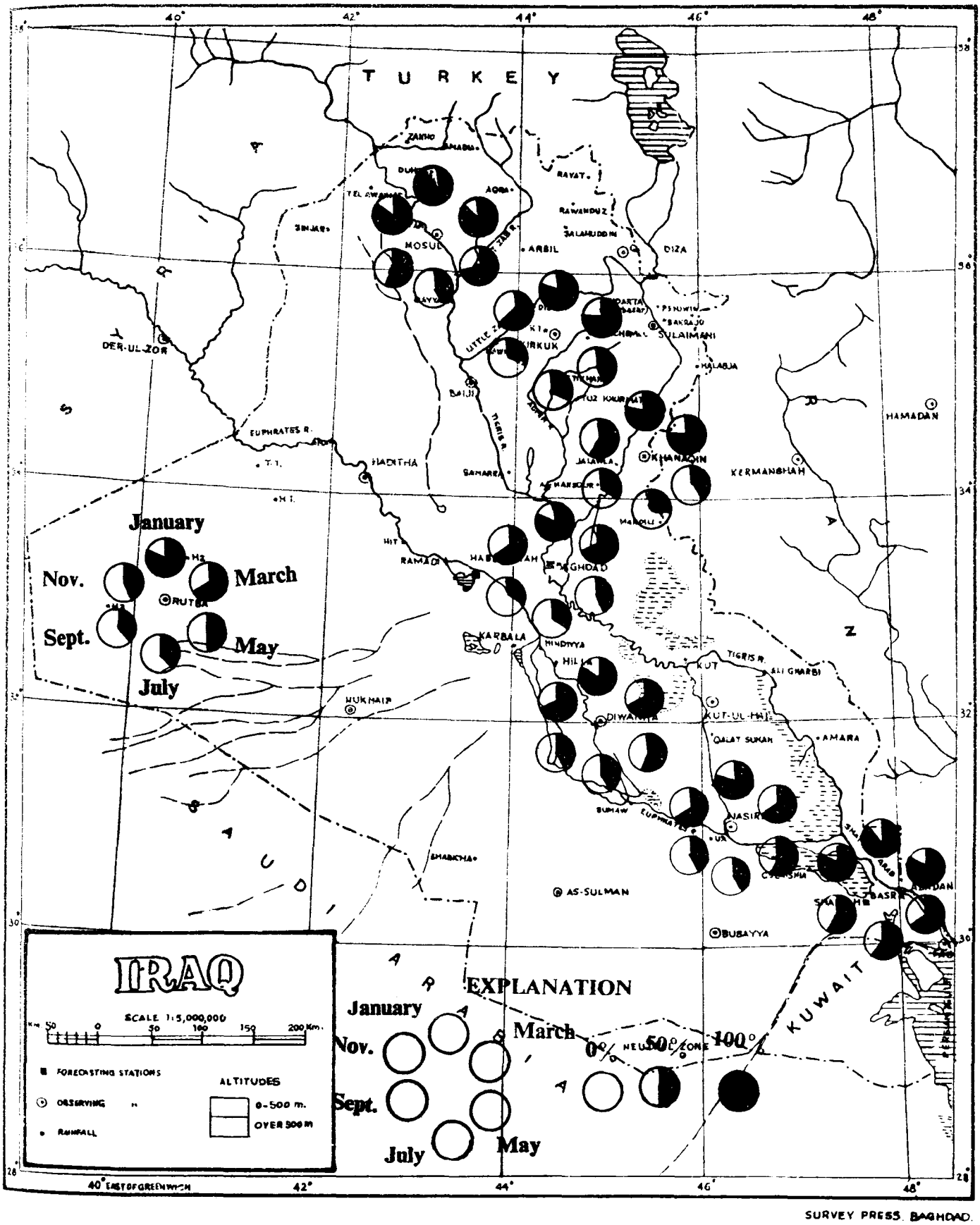
HUMIDITY
Mean Monthly Mixing Ratio (gm/kg)
period of records see page 2/3

NOVEMBER

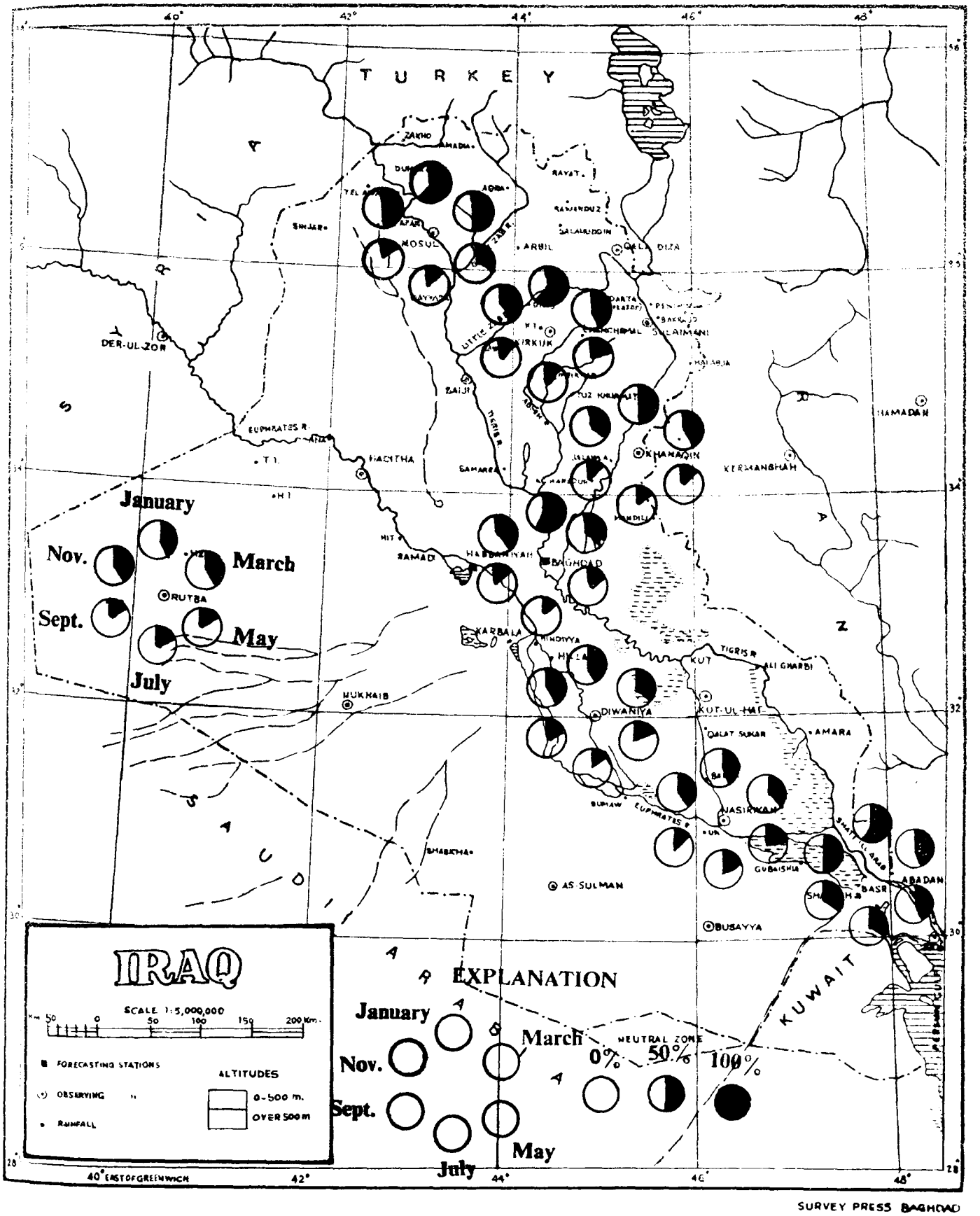


SURVEY PRESS BAGHDAD

HUMIDITY
Mean Monthly Relative Humidity at 0300 GMT



HUMIDITY
Mean Monthly Relative Humidity at 1200 GMT



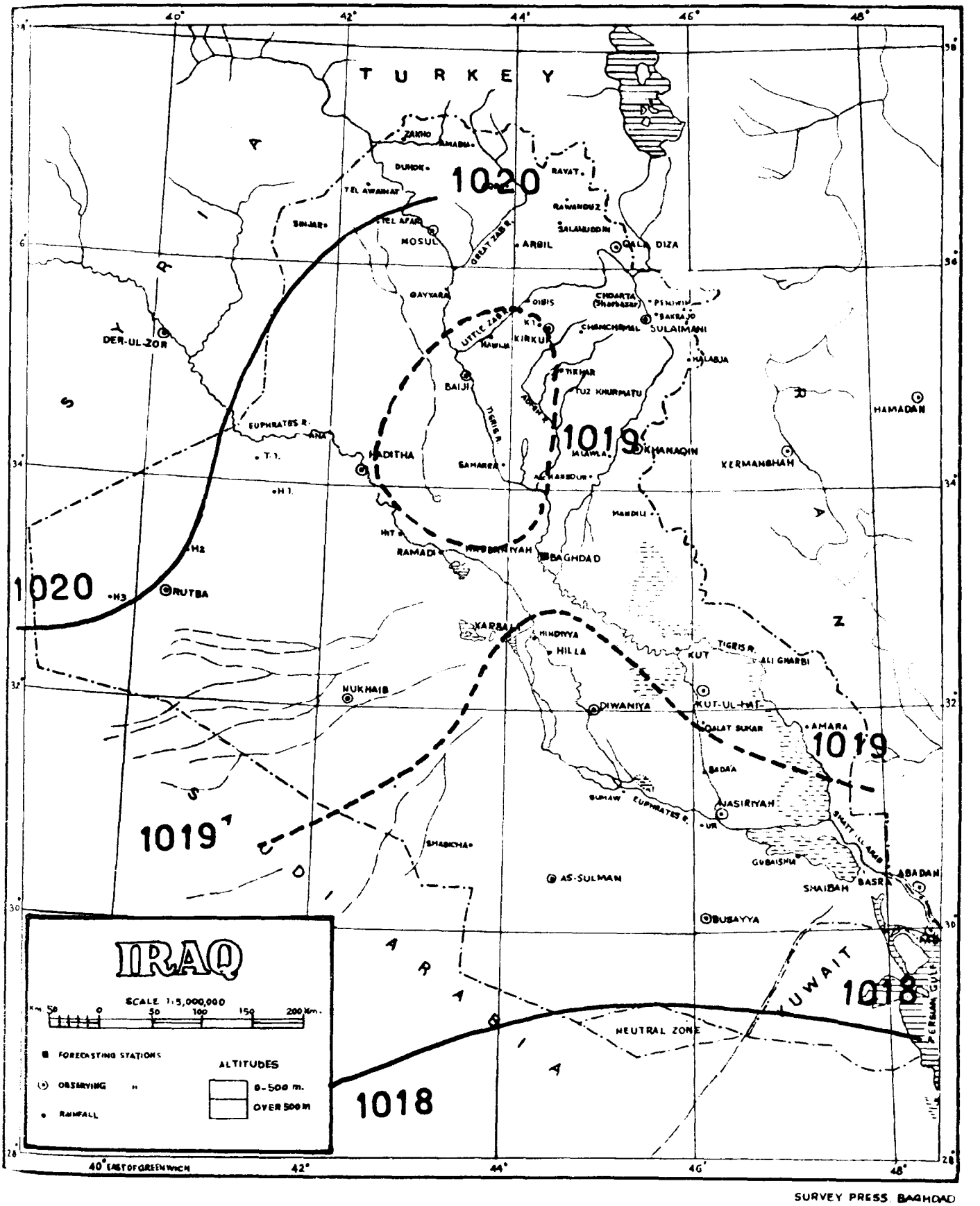
SURVEY PRESS BAGHDAD

ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

period of records see page 2/3

JANUARY



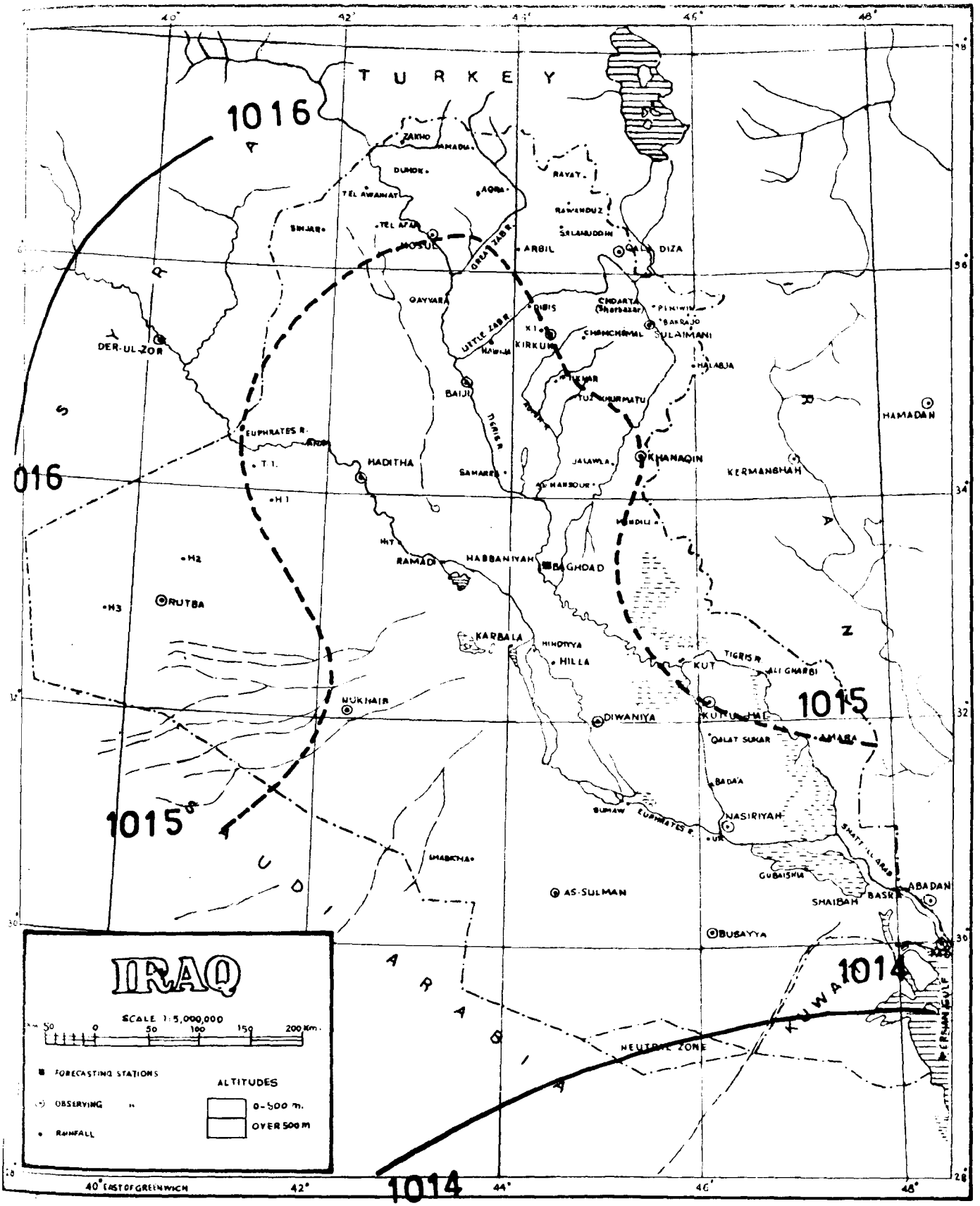
SURVEY PRESS BAGHDAD

ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

period of records see page 2/3

MARCH

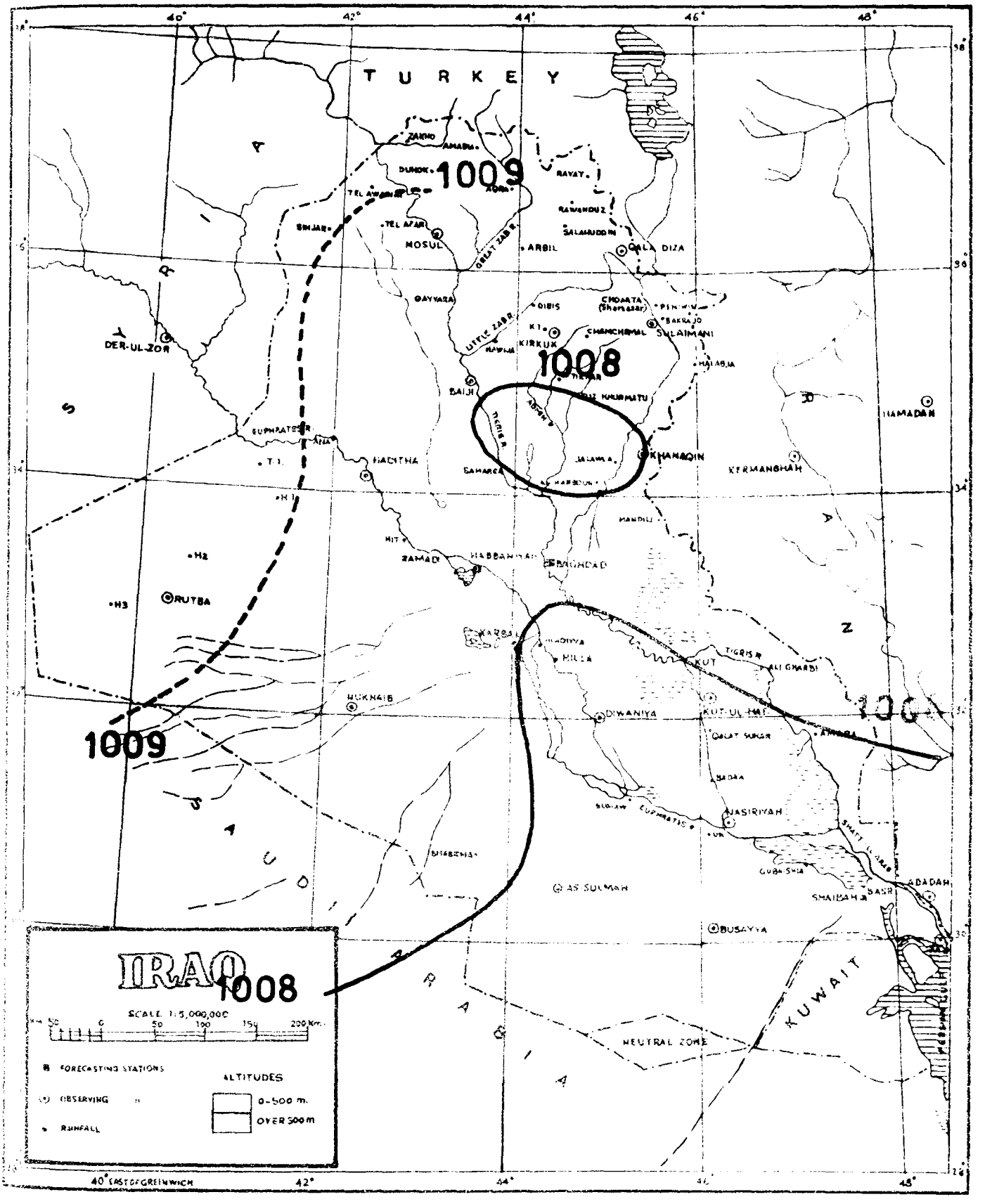


ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

period of records see page 2/3

MAY



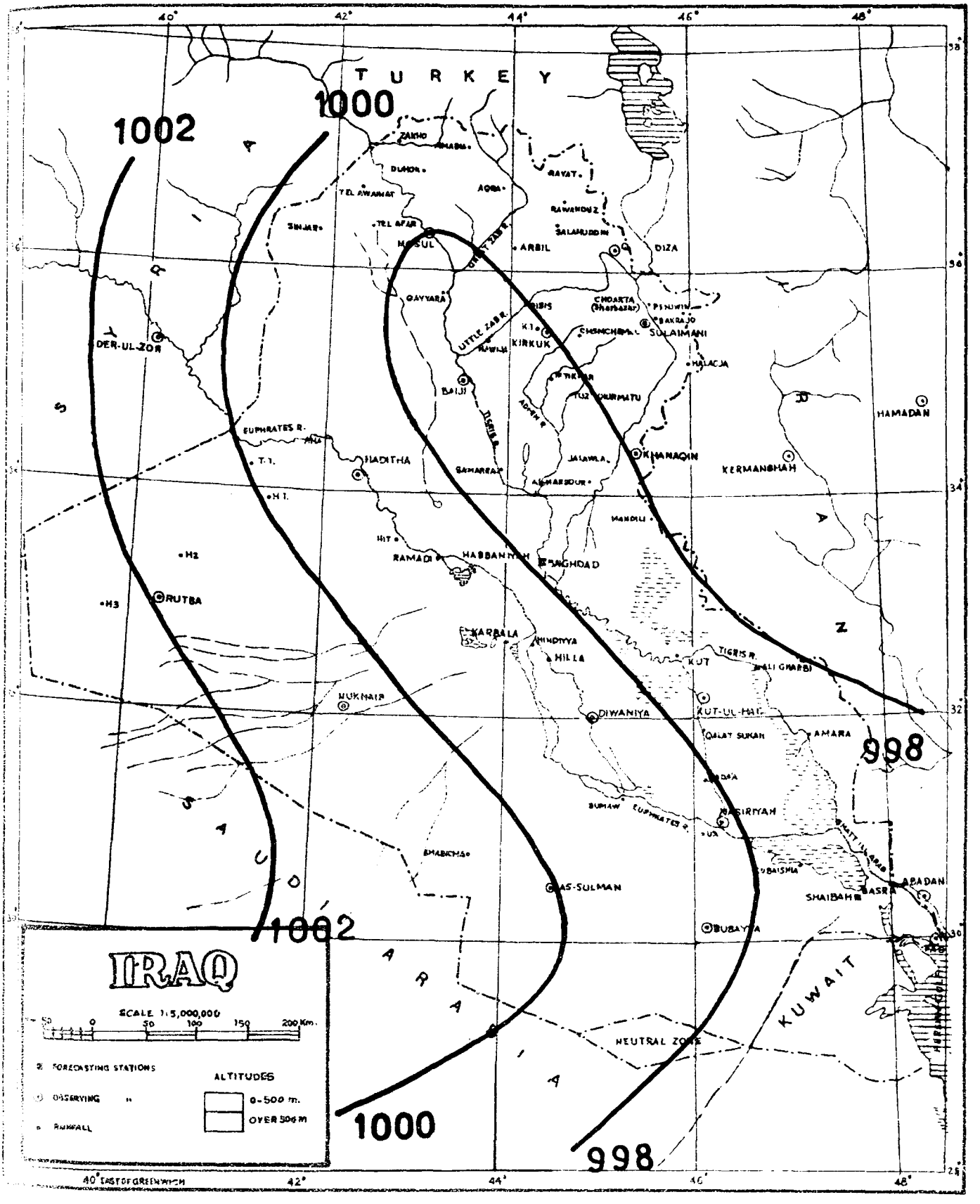
SURVEY PRESS BAGHDAD

ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

period of records see page 2/3

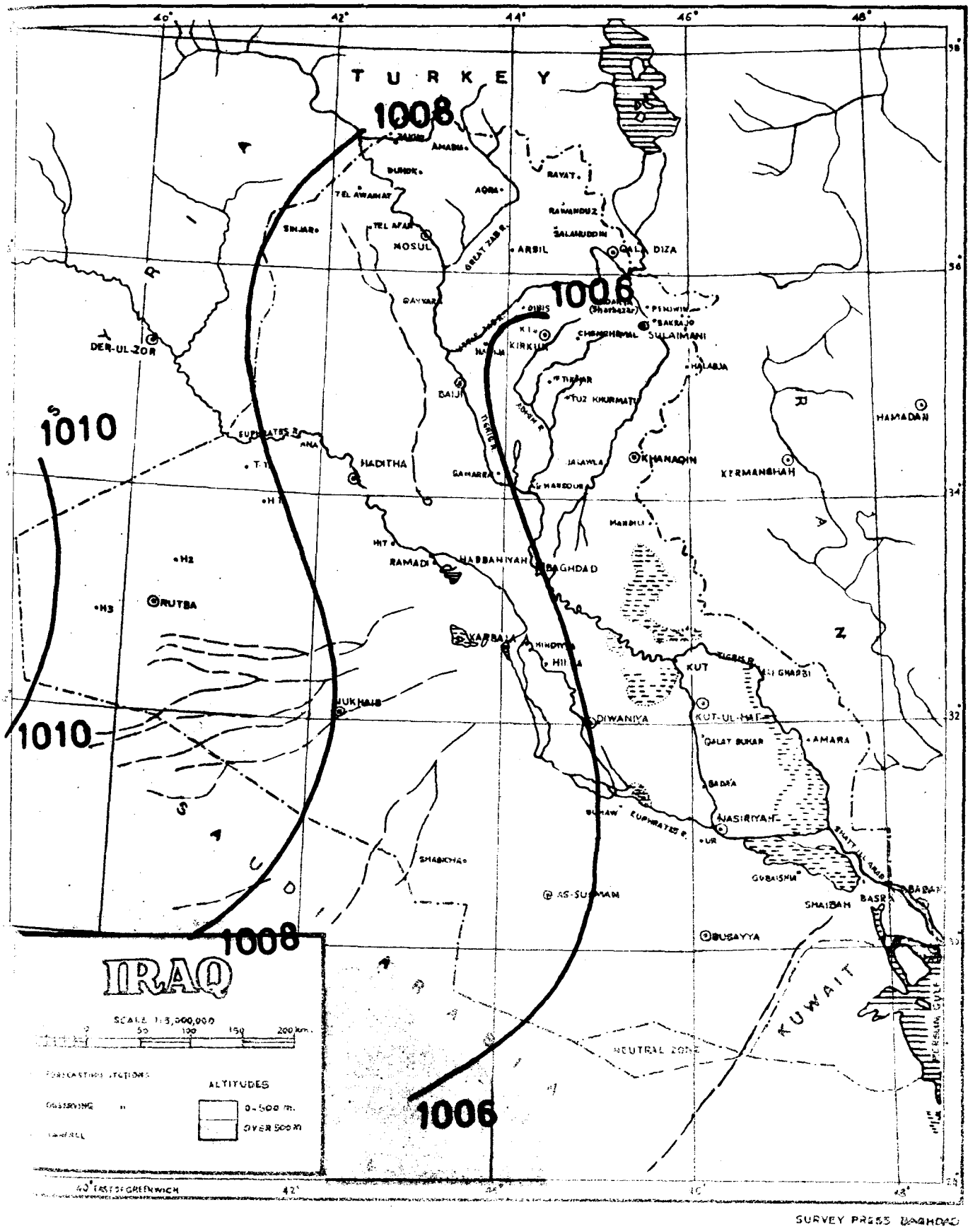
JULY



ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure
period of records see page 2/3

SEPTEMBER



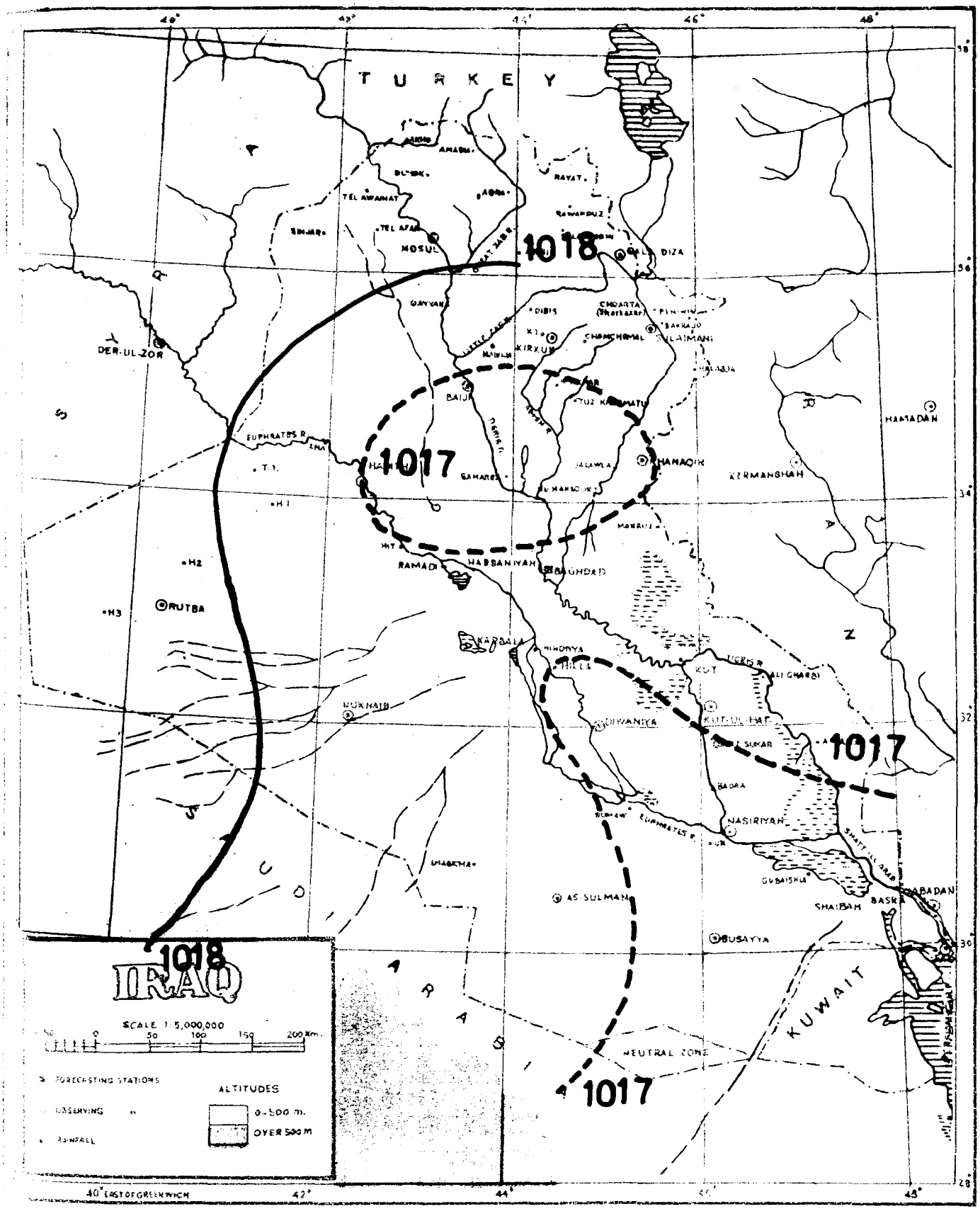
SURVEY PRESS BAGHDAD

ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

period of records see page 2/3

NOVEMBER



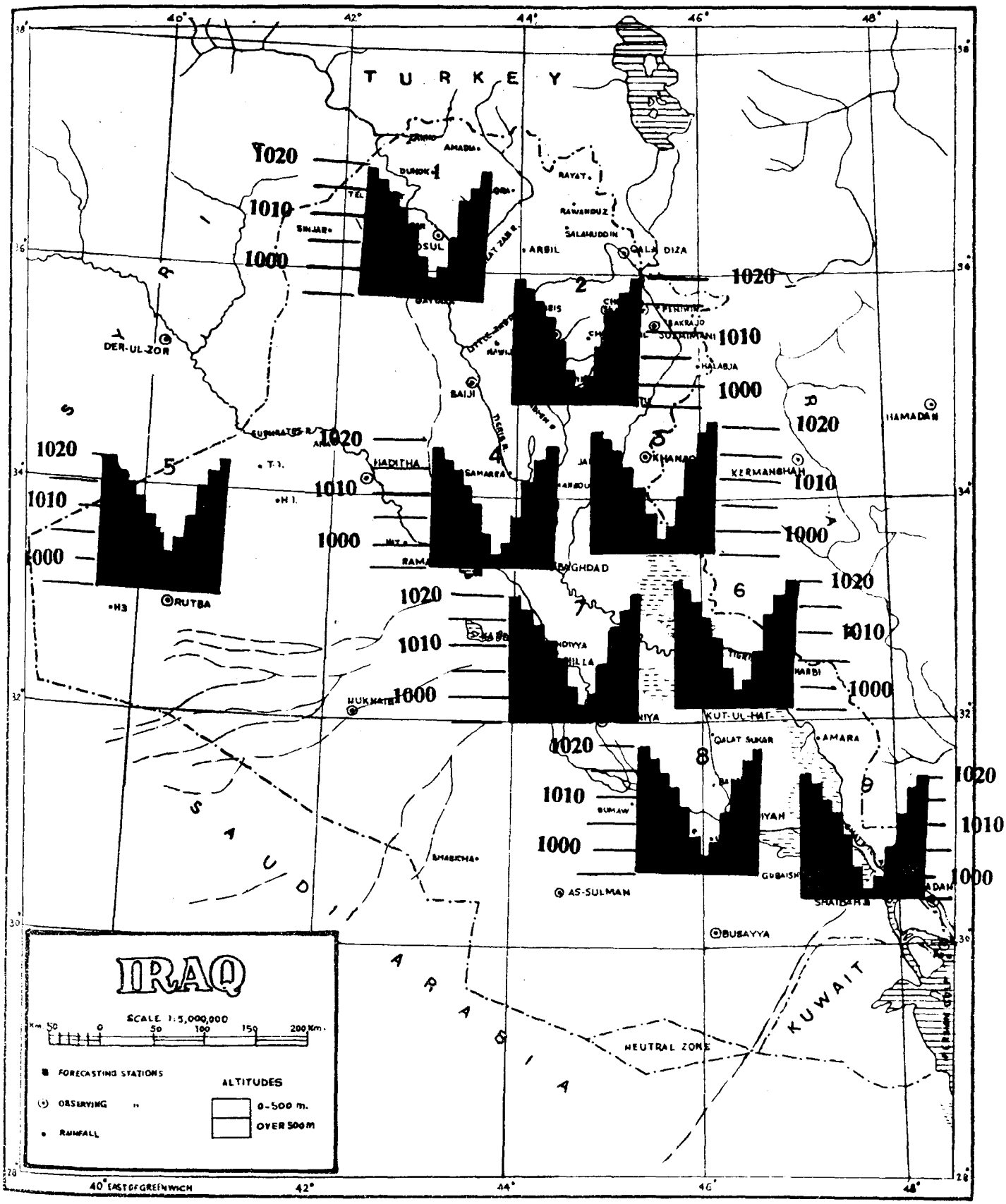
SURVEY PRESS BAGHDAD

ATMOSPHERIC PRESSURE

Mean Monthly Sea Level Pressure

Each Column Represents One Month Starting with January (Left)

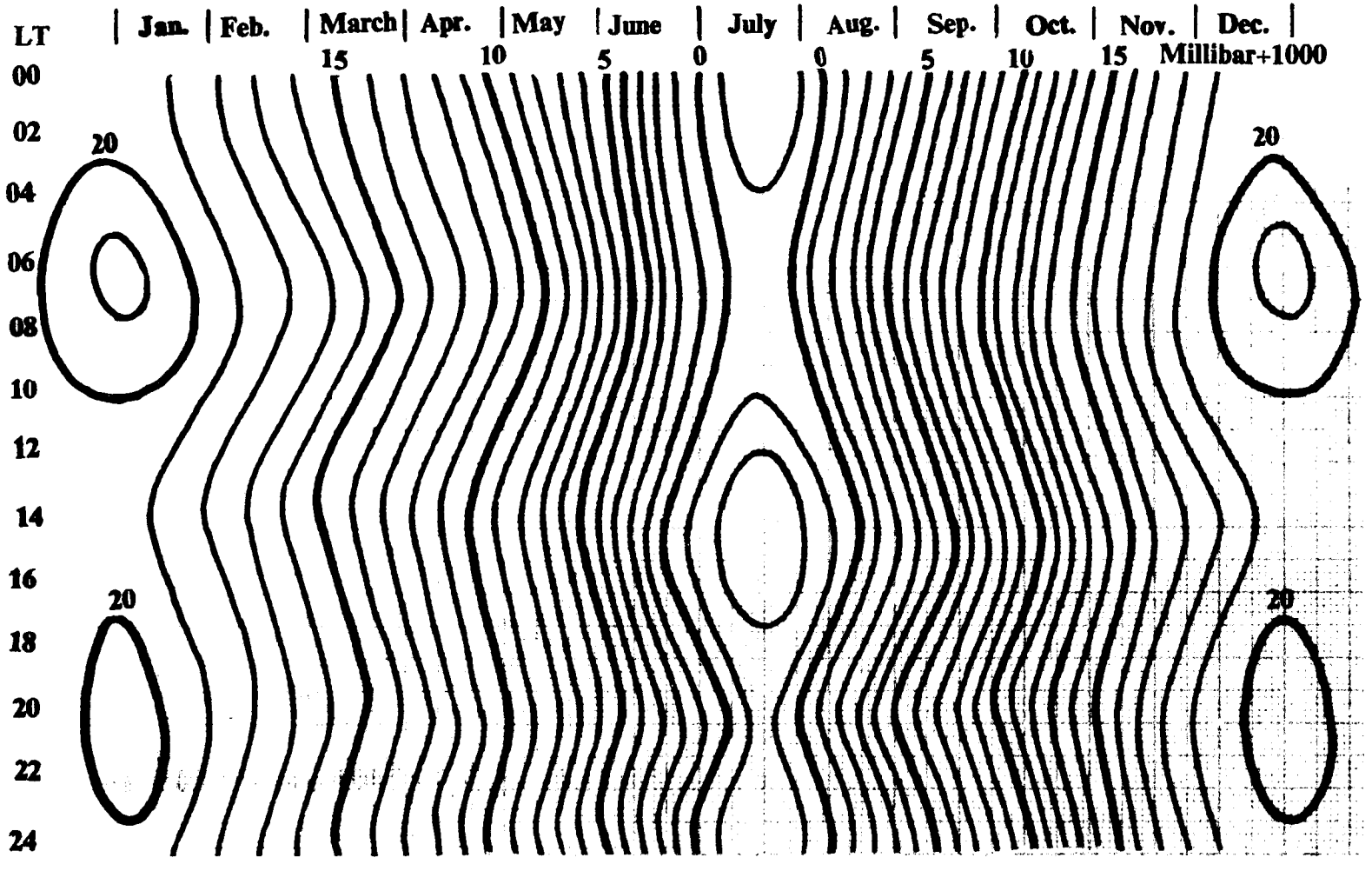
period of records see page 2/3



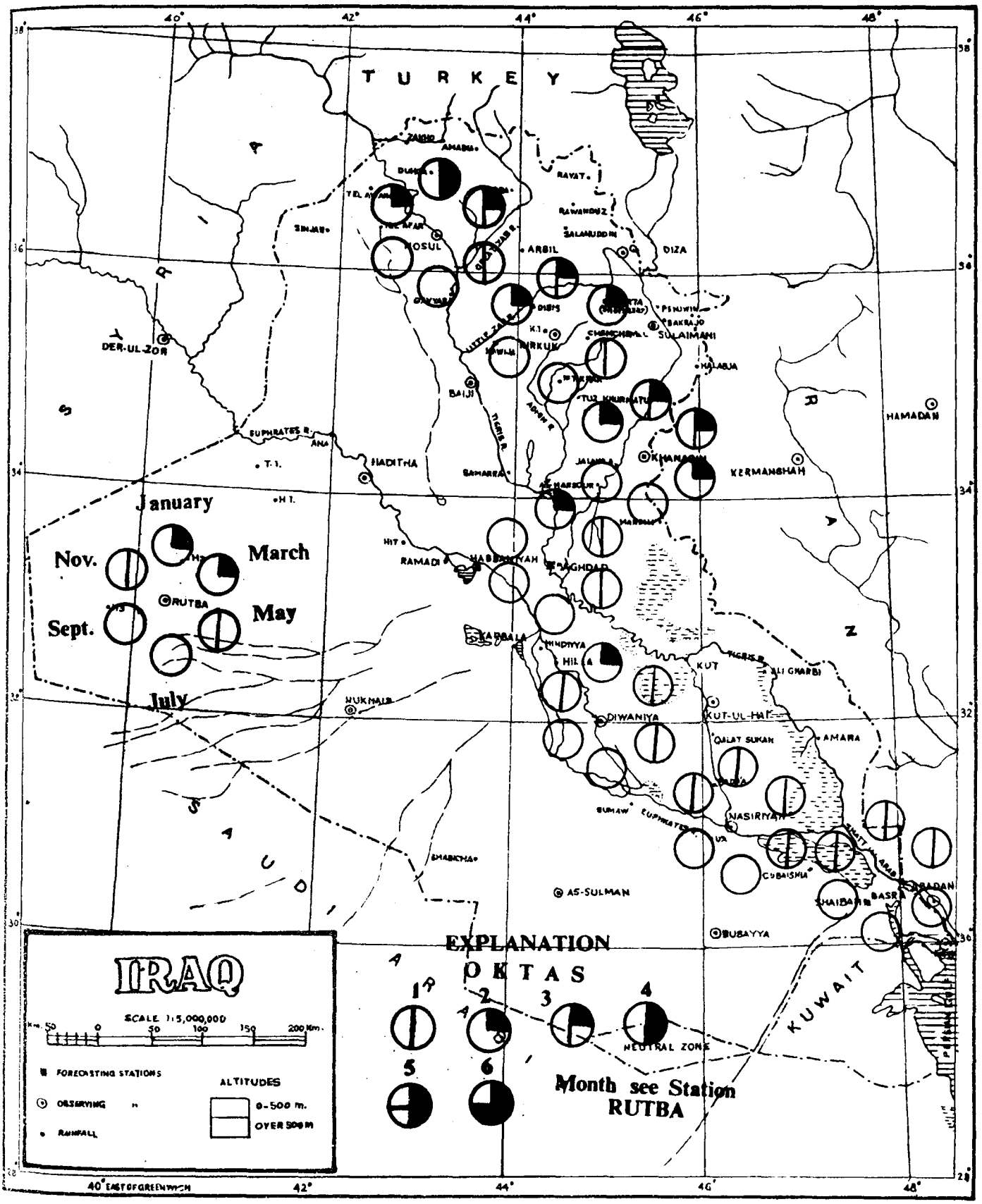
1. MOSUL 2. KIRKUK 3. KHANAQIN 4. BAGHDAD 5. RUTBAH 6. HAI 7. DIWANIYA
8. NASIRIYA 9. BASRAH

SURVEY PRESS BAGHDAD

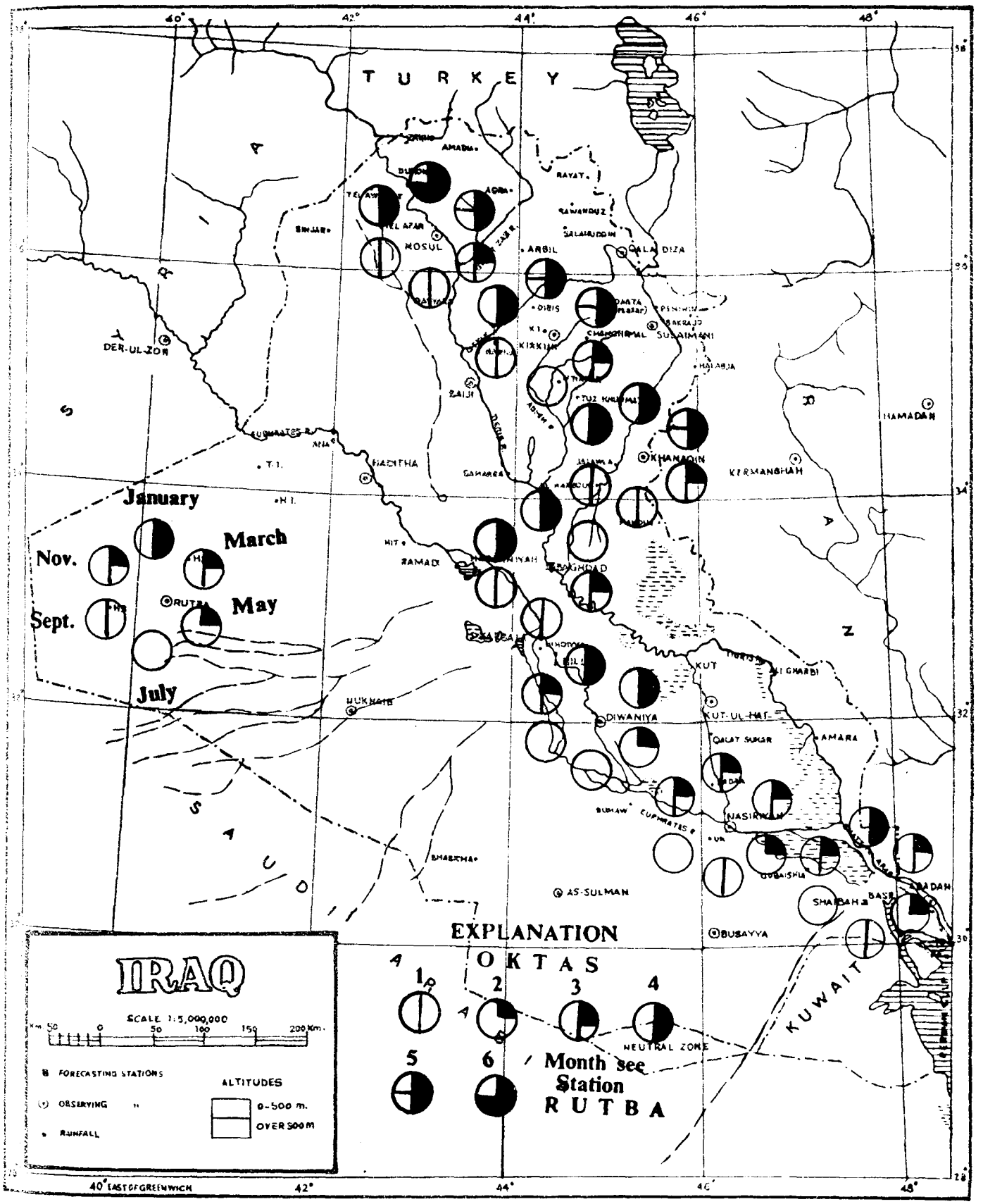
MEAN PRESSURE FOR BAGHDAD AIRPORT
Reduced to MSL



CLOUDINESS
Mean Monthly Amount of Low Clouds at 0300 GMT (Base below 2500 m) to the nearest Okta



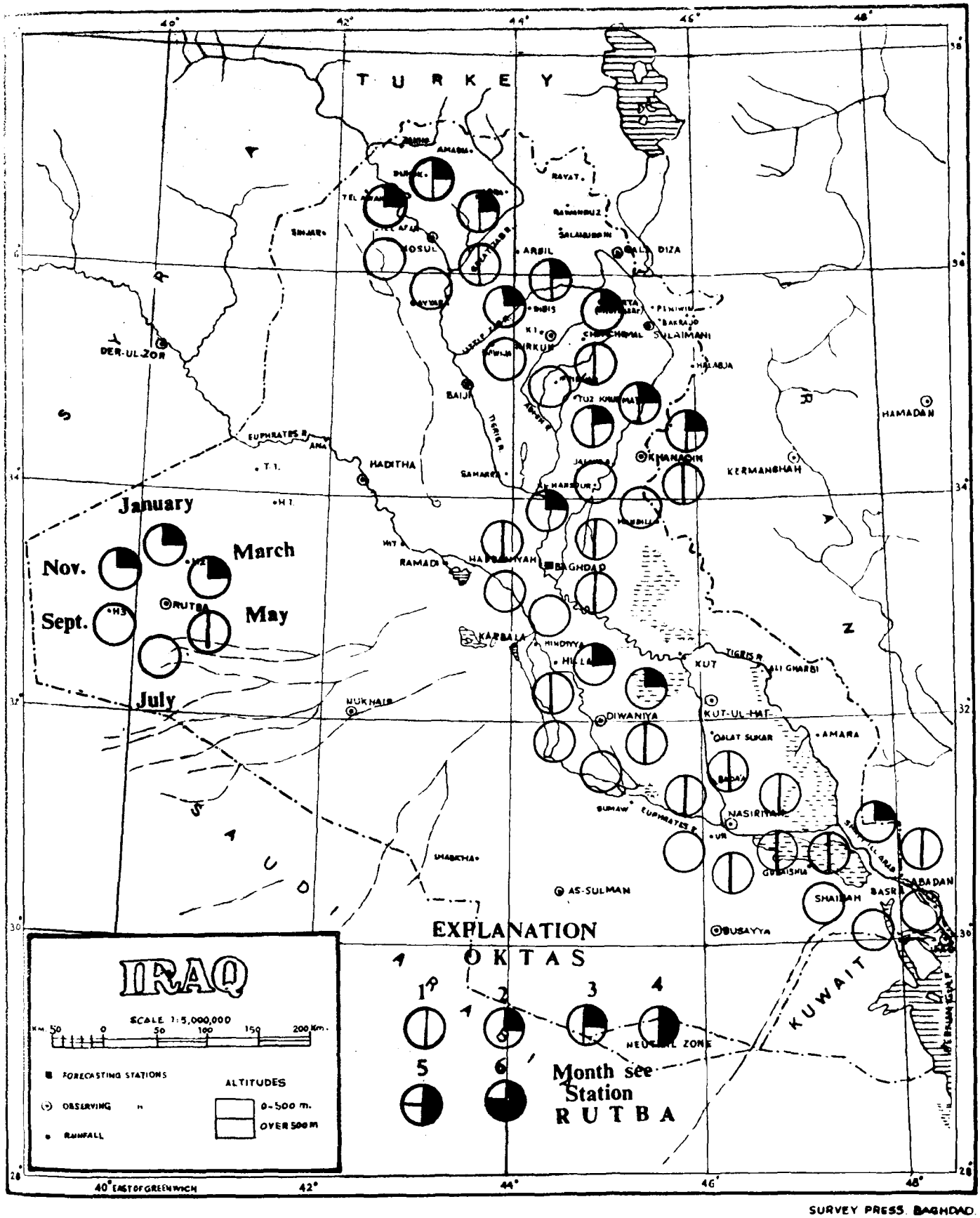
CLOUDINESS
Mean Monthly Amount of Total Clouds at 0600 GMT. to the nearest Okta



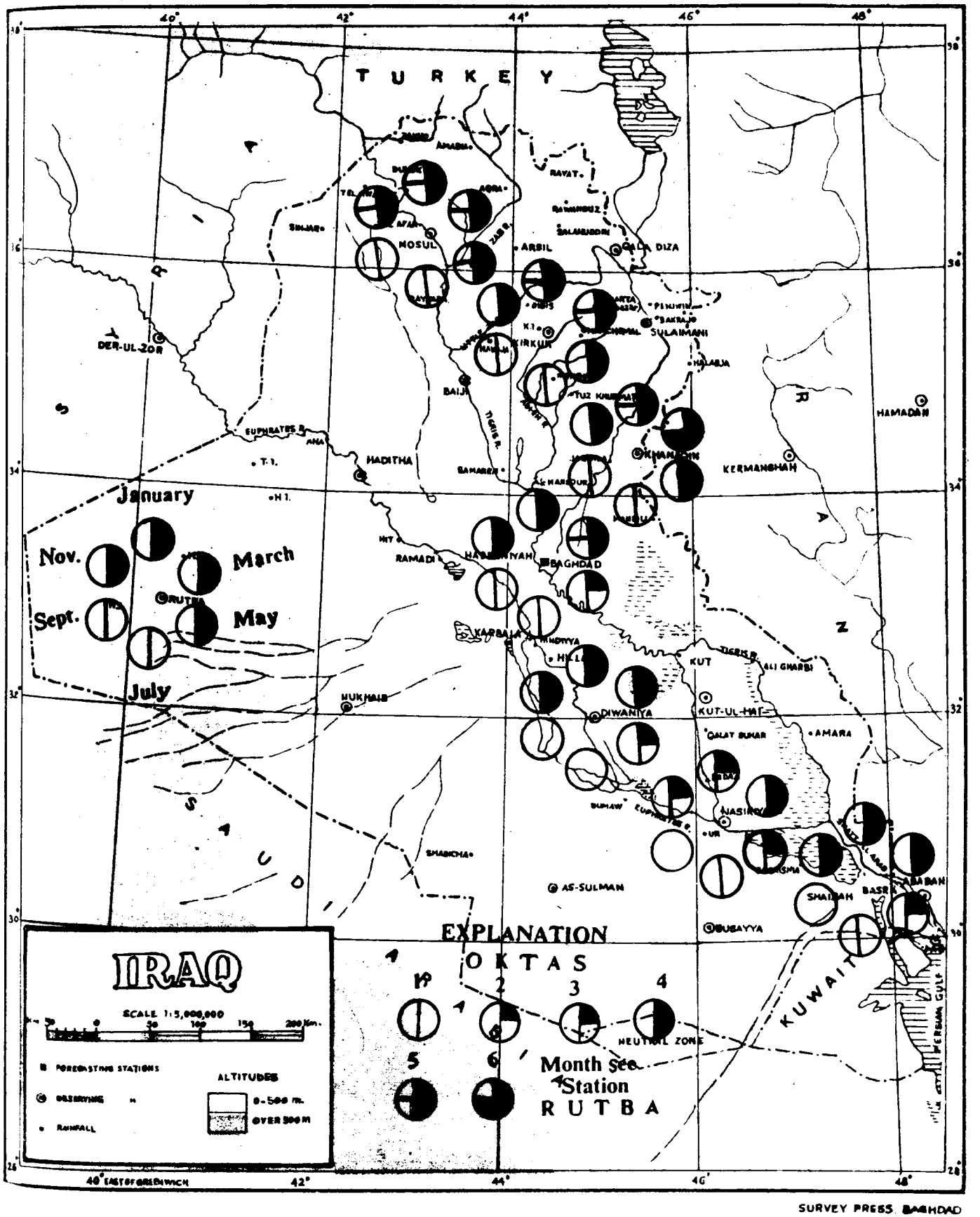
SURVEY PRESS BAGHDAD

CLOUDINESS

Mean Monthly Amount of Low Clouds at 0600 GMT (Base below 2500 m) to the nearest Okta



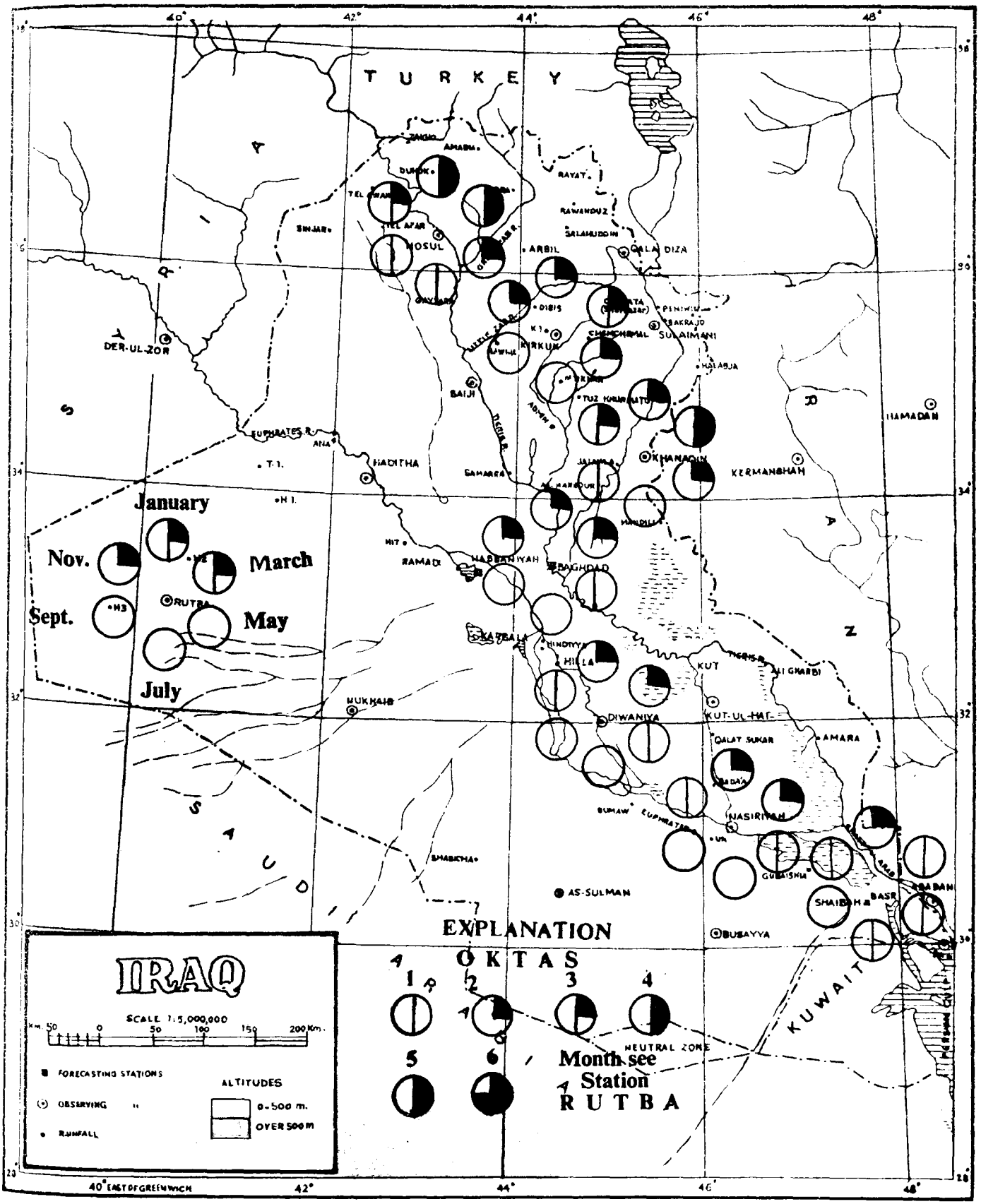
CLOUDINESS
Mean Monthly Amount of Total Clouds at 1200 GMT to the nearest Okta



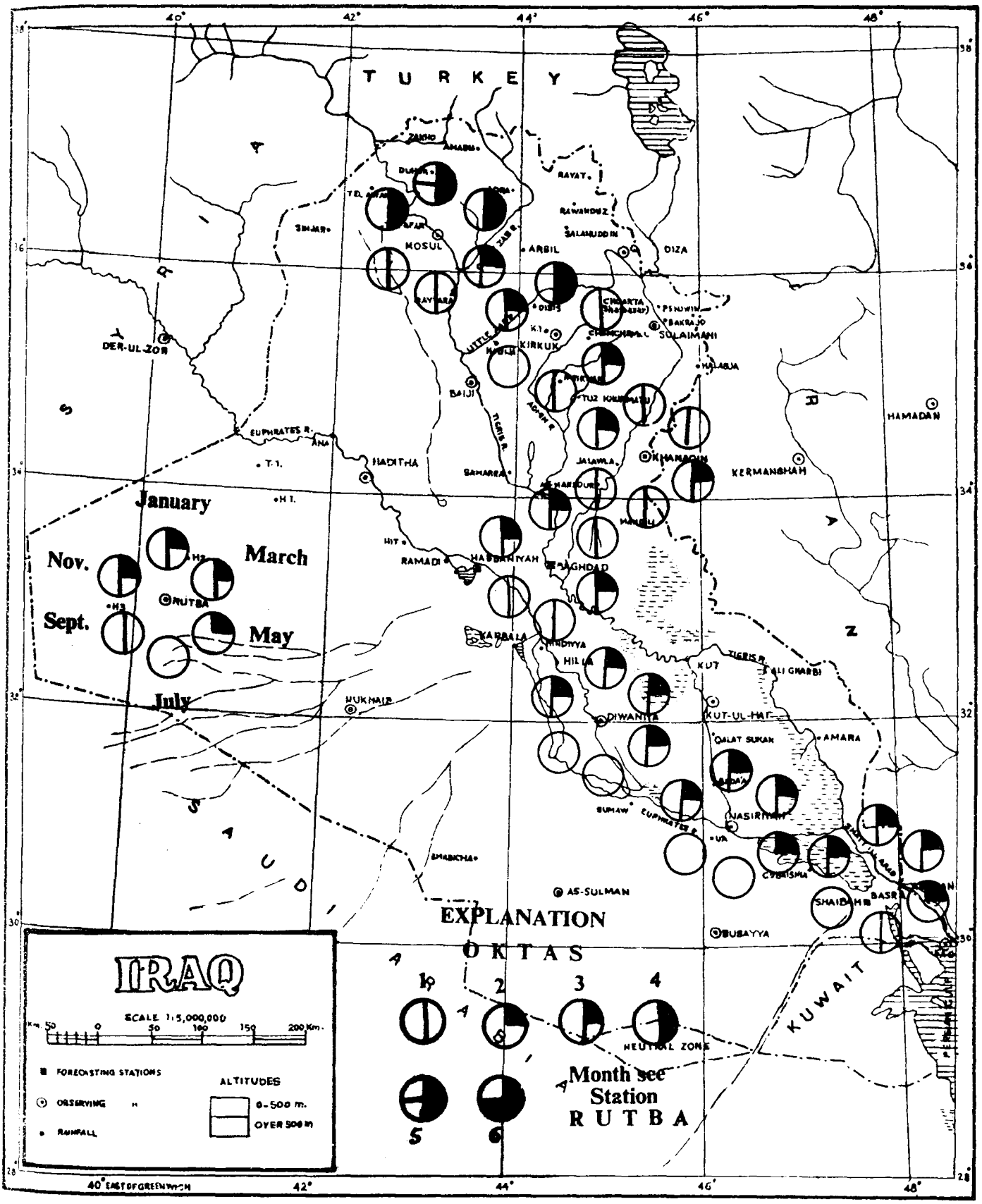
SURVEY PRESS BAGHDAD

CLOUDINESS

Mean Monthly Amount of Low Clouds at 1200 GMT (Base below 2500 m) to the nearest Okta



CLOUDINESS
Mean Monthly Amount of Total Clouds at 0300 GMT to the nearest Okta

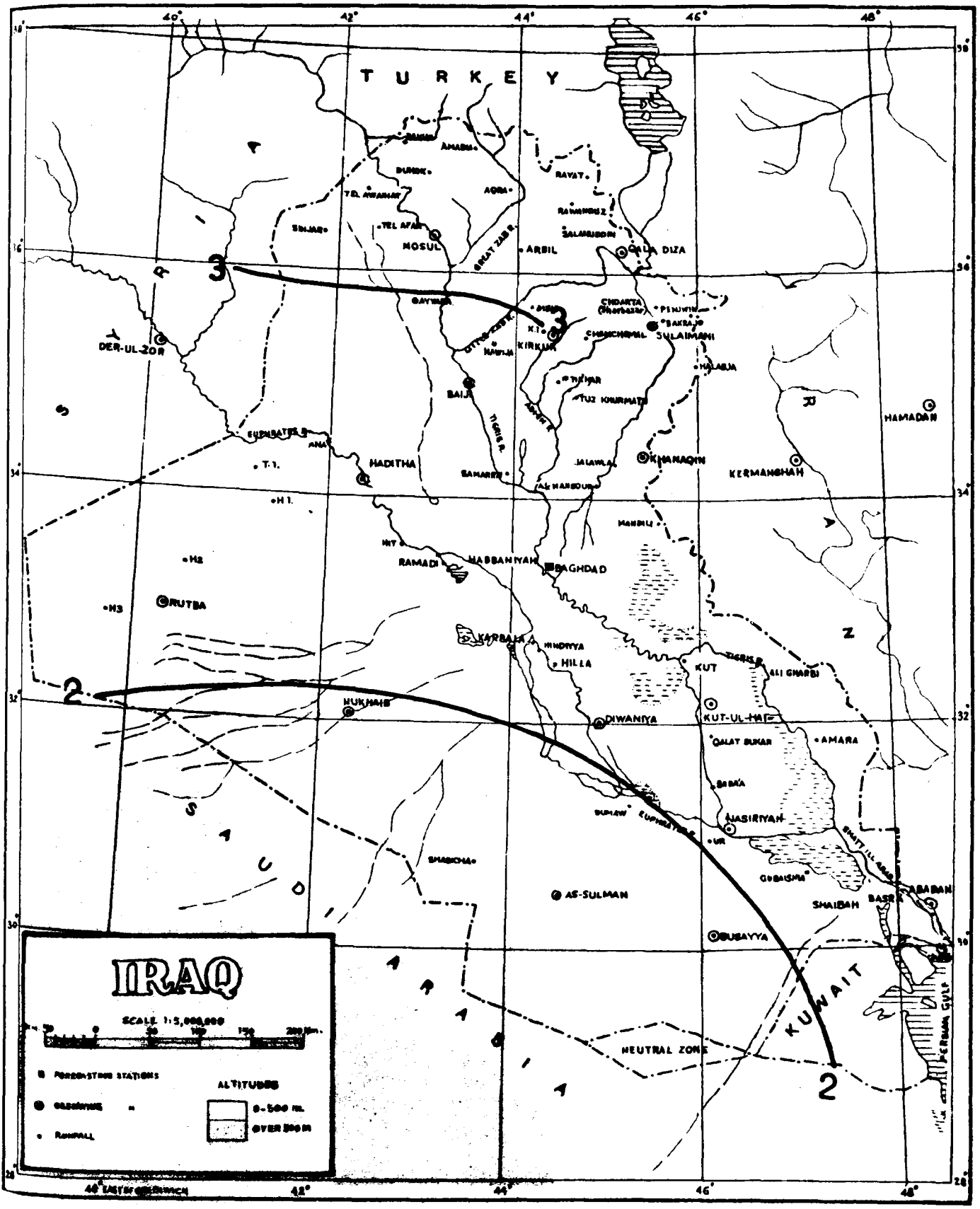


CLOUDINESS

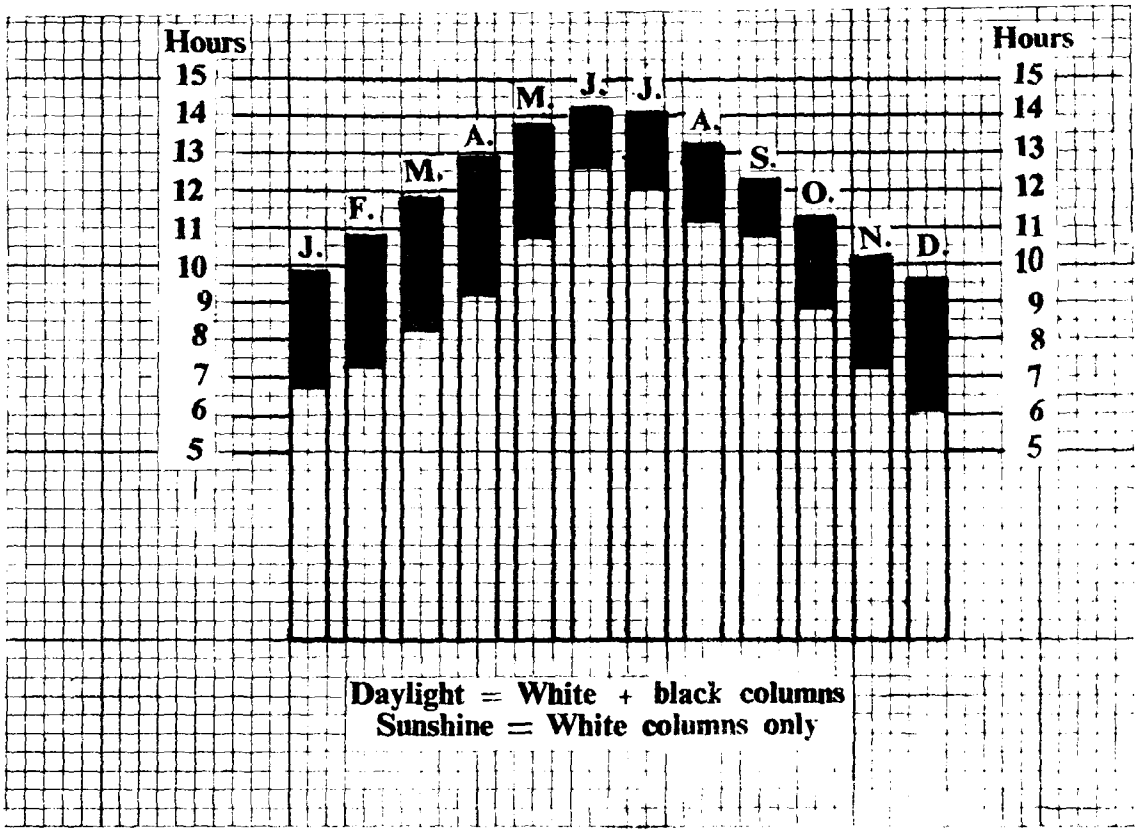
Mean Annual Amount of Total Clouds

Oktas

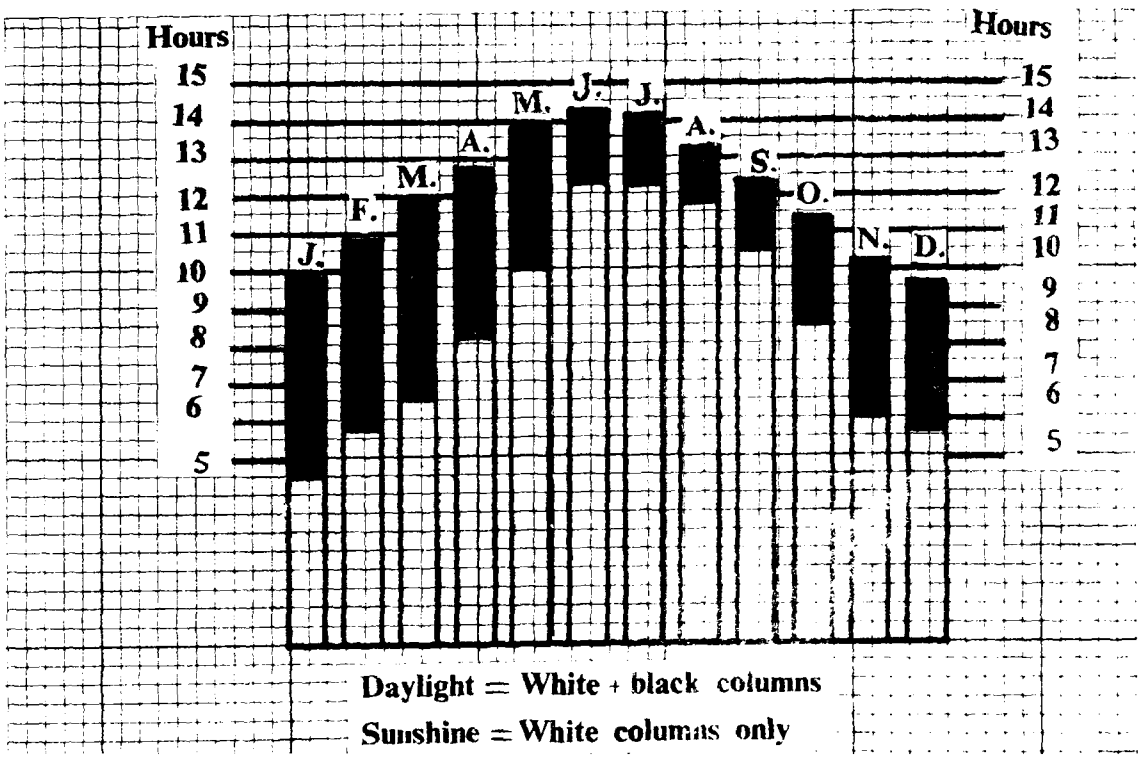
period of records see page 2/3



Mean Duration of Daylight and Mean Hours of Sunshine Observed for Each Month of the Year at Baghdad Airport (Period of observations 1937—1956)



Mean Duration of Daylight and Mean Hours of Sunshine Observed for Each Month of the Year at Mosul Airport (Period of observations 1938—1956)

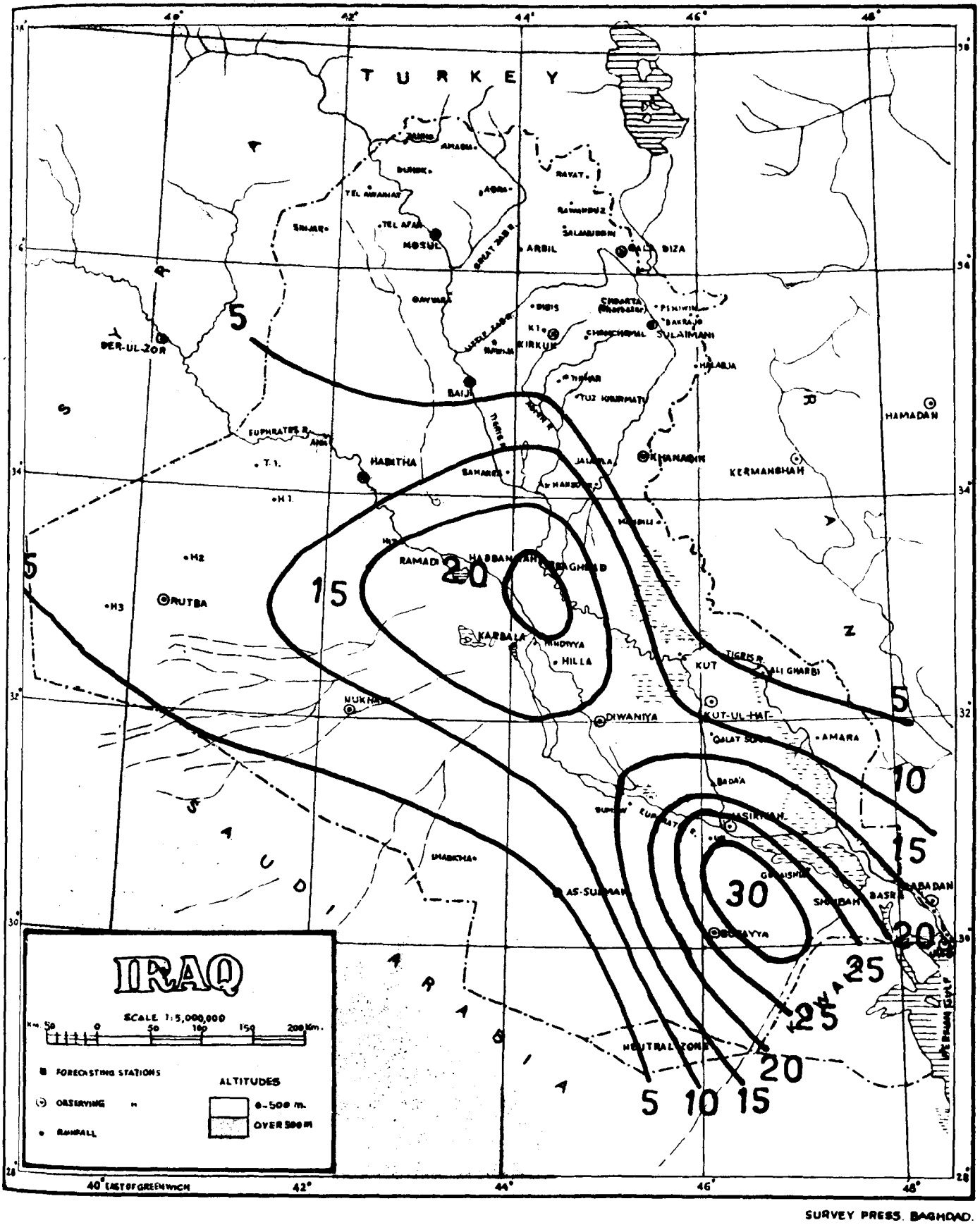


D U S T

(Visibility less than 1 Km)

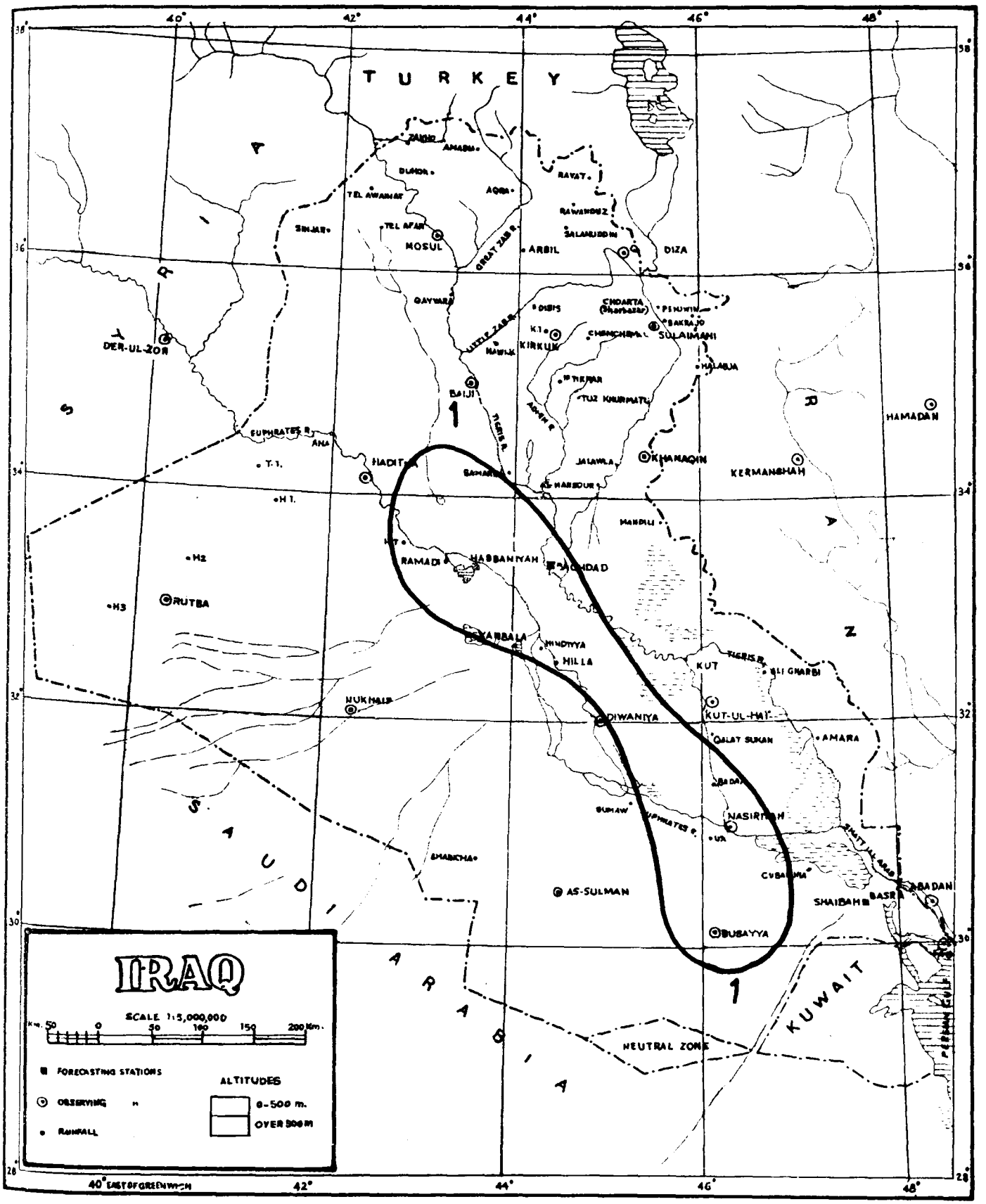
Mean Annual Number of Days With Dust

period of records see page 2/3



DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

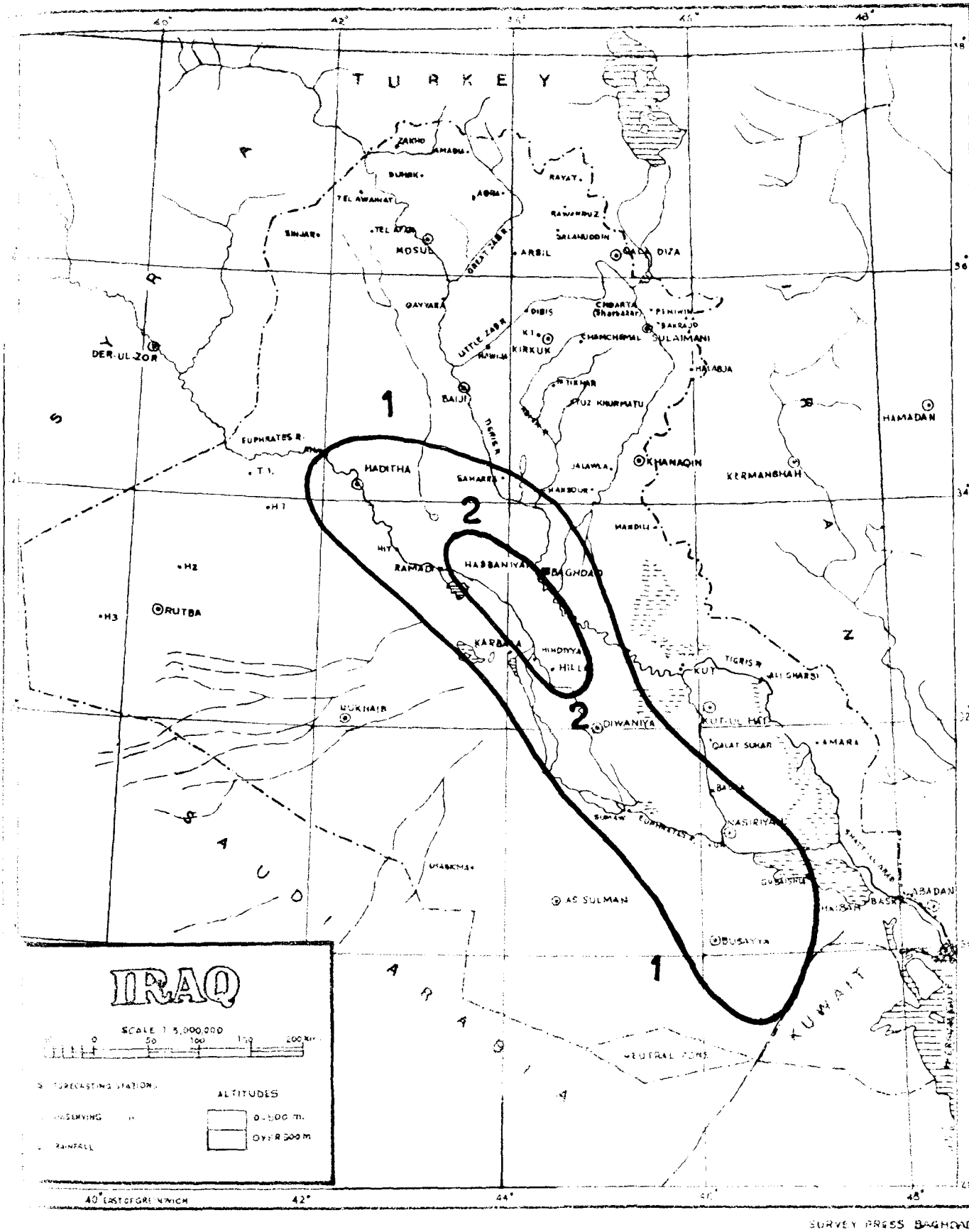
JANUARY



SURVEY PRESS. BAGHDAD.

DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

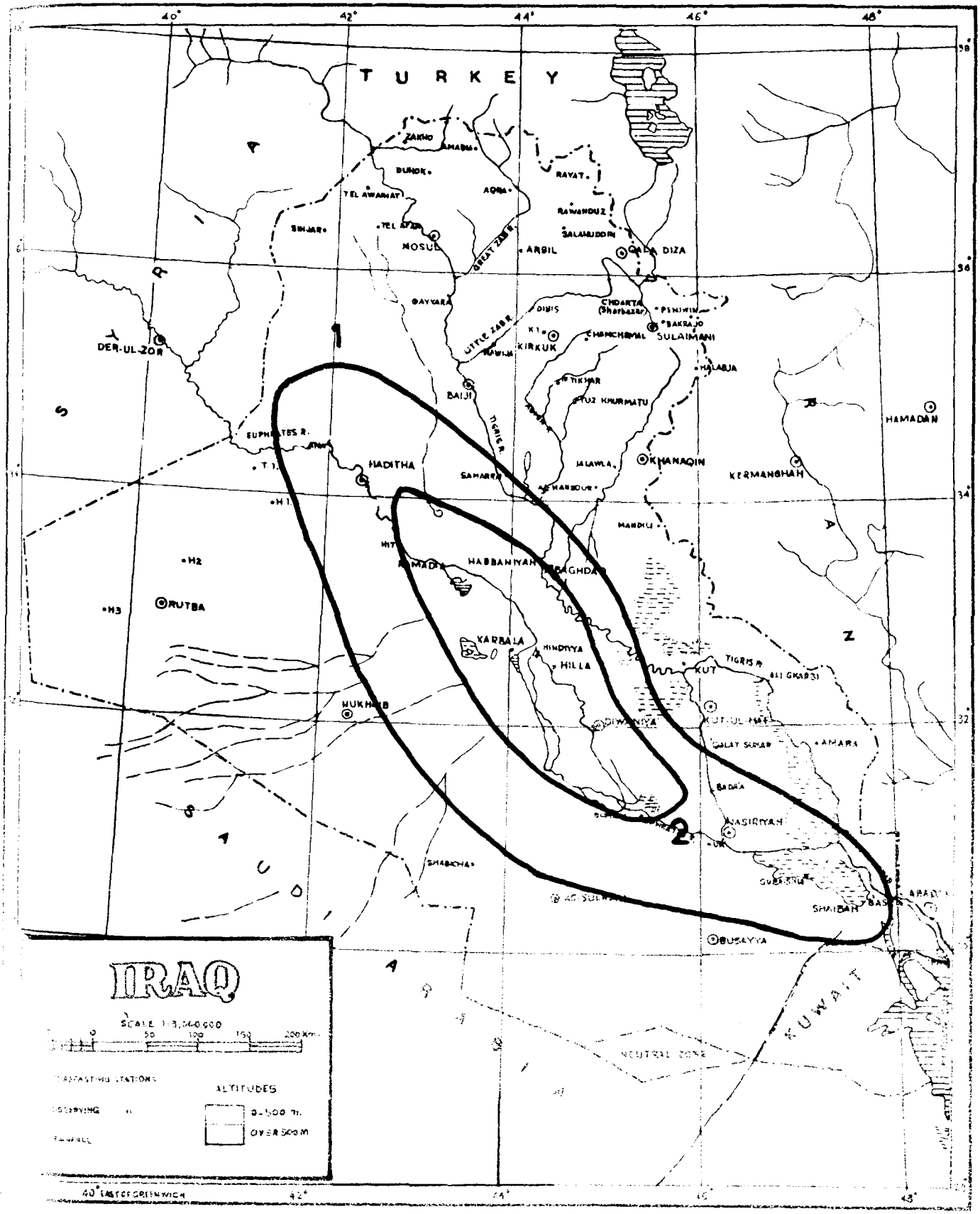
FEBRUARY



SURVEY PRESS BAGHDAD

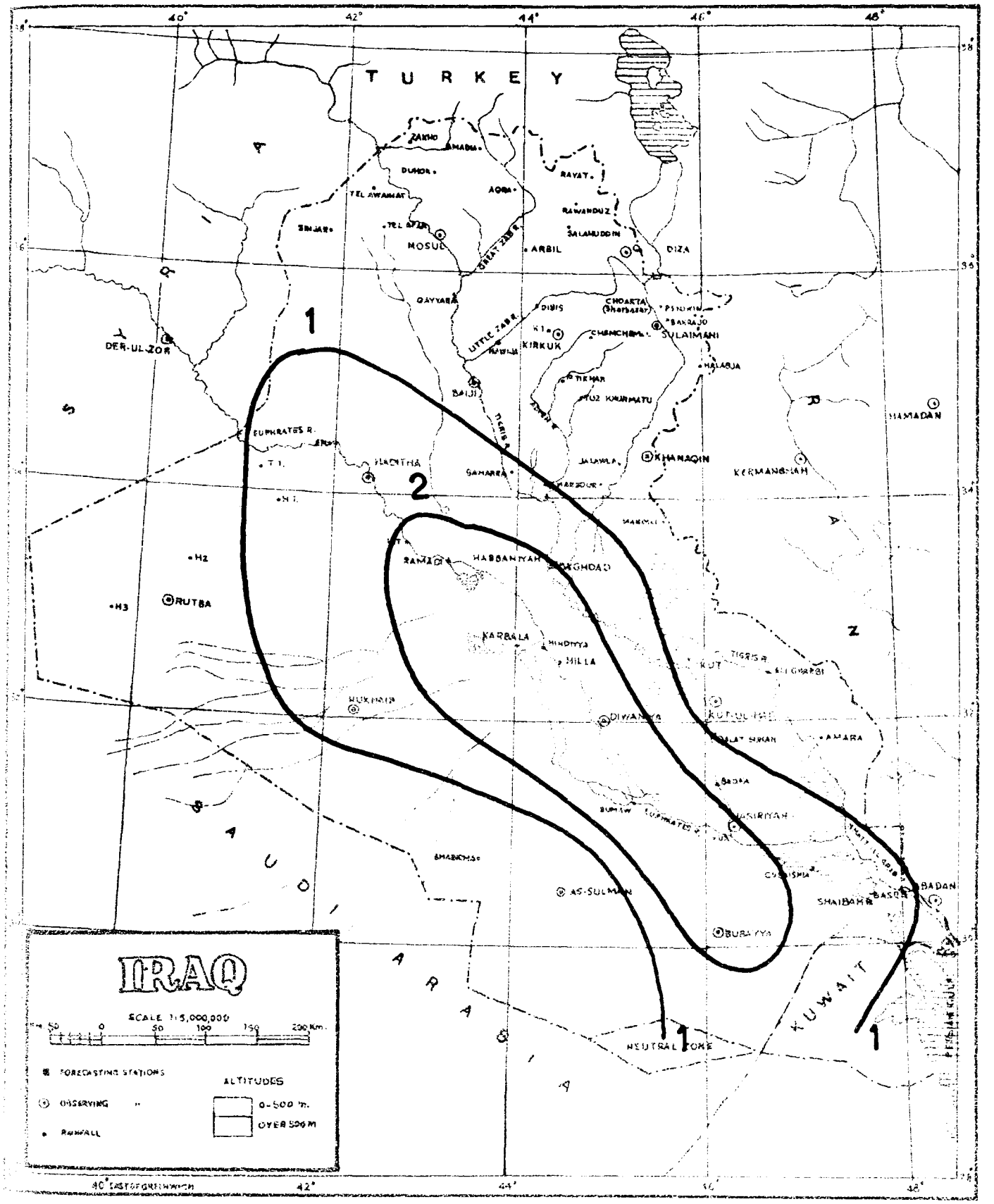
DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

MARCH



DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

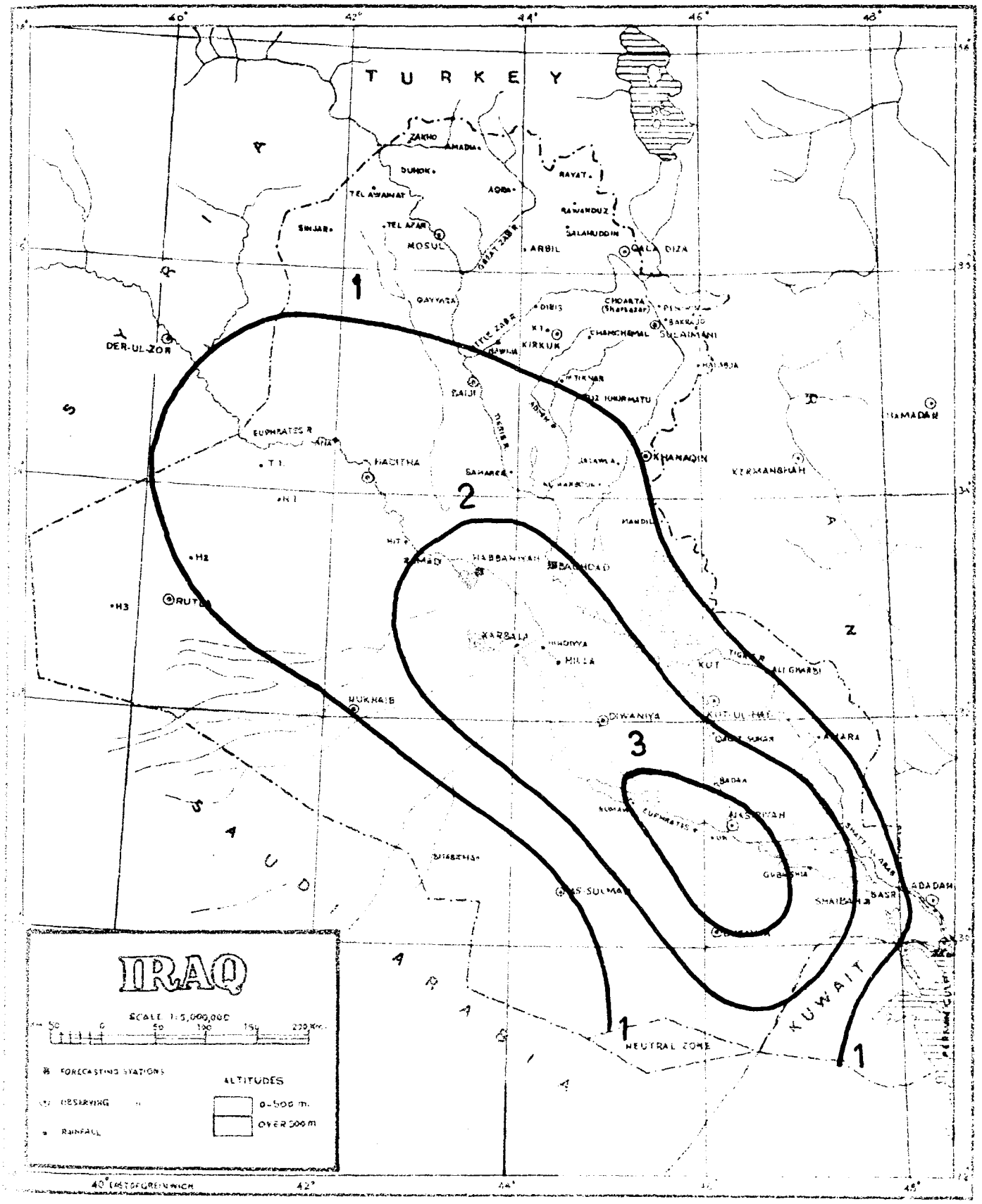
APRIL



SURVEY PRESS BAGHDAD

DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

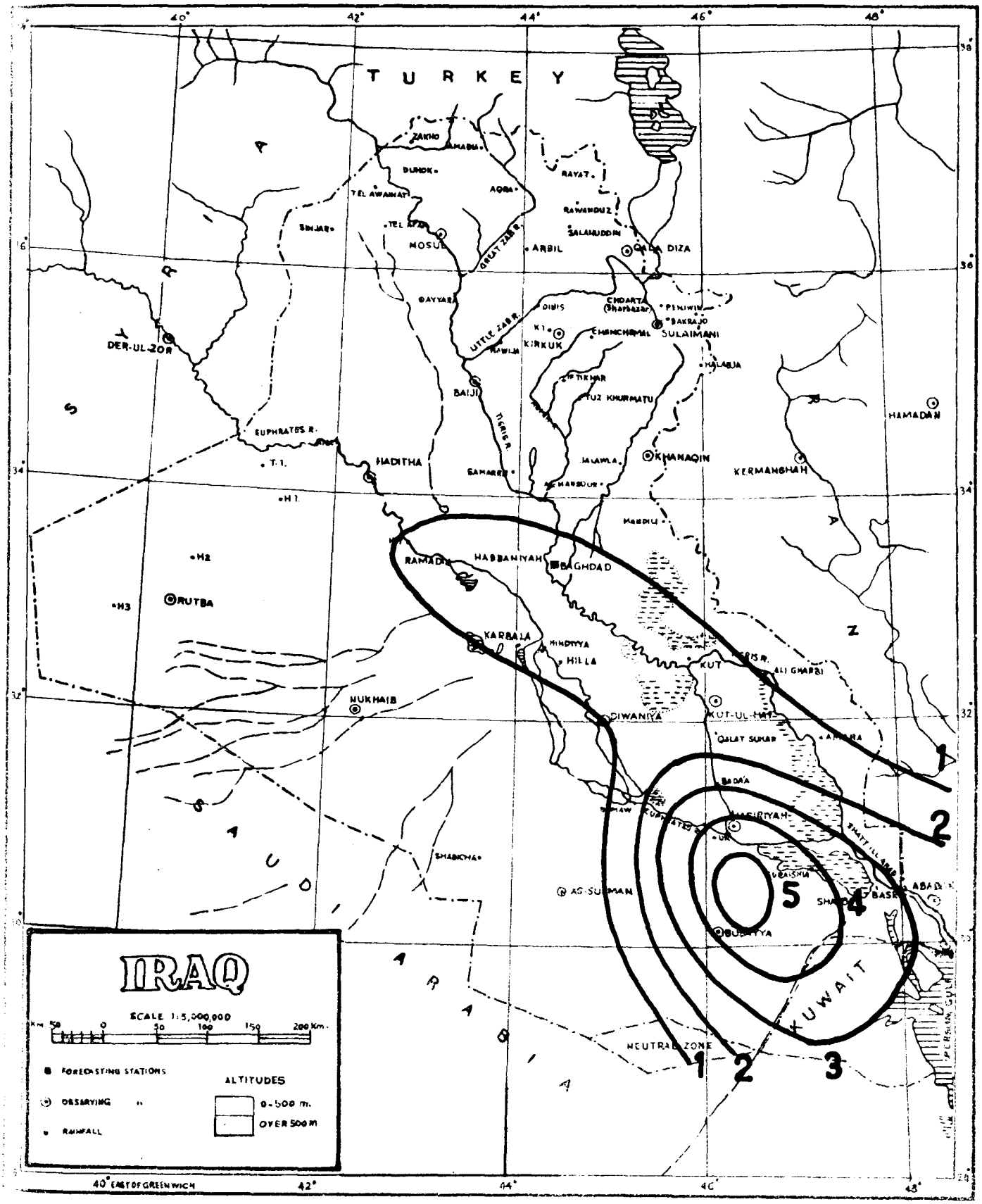
MAY



SURVEY PRESS BAGHDAD

DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

JUNE



SURVEY PRESS BAGHDAD

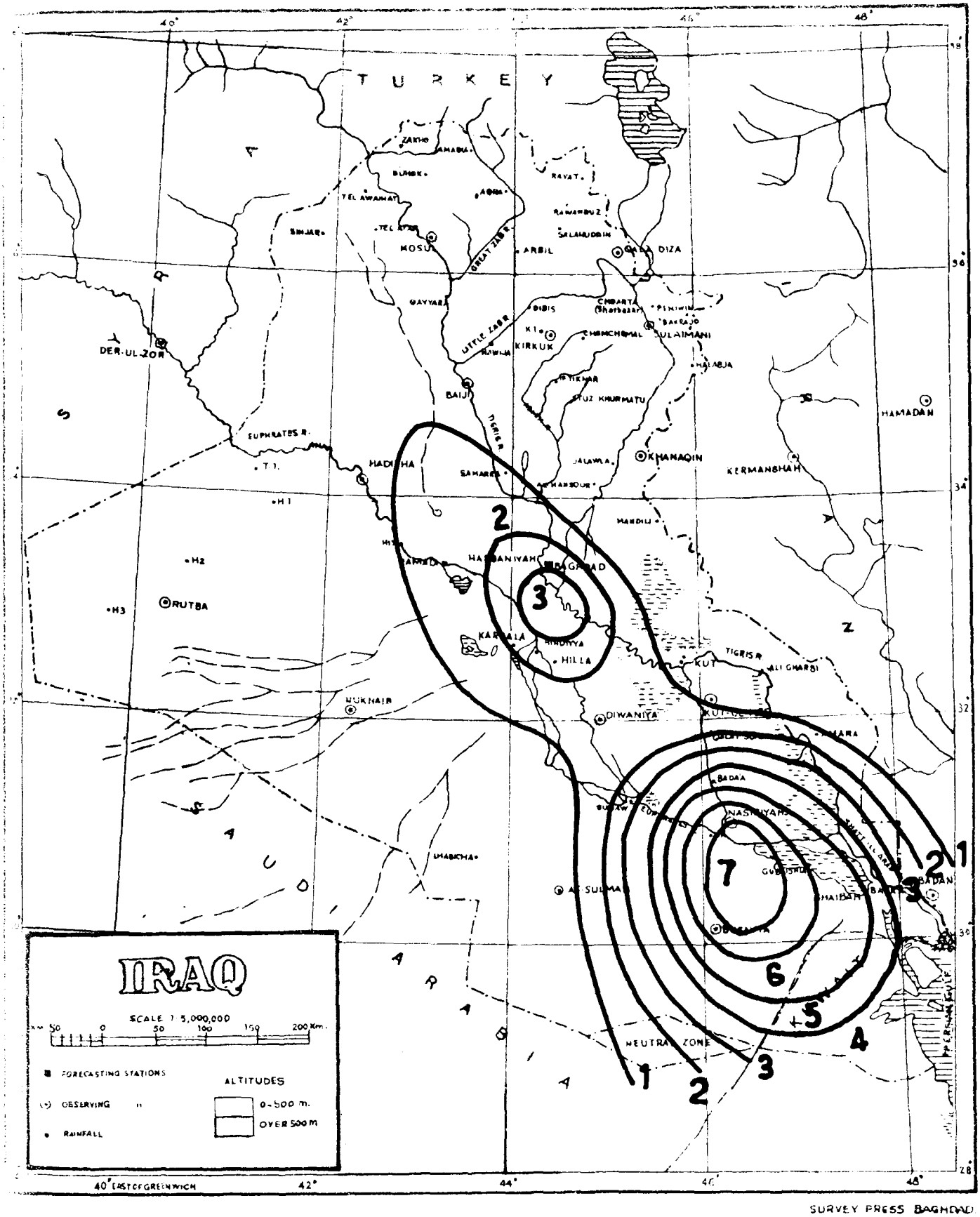
D U S T

(Visibility less than 1 Km)

Mean Monthly Number of Days with Dust

period of records see page 2/3

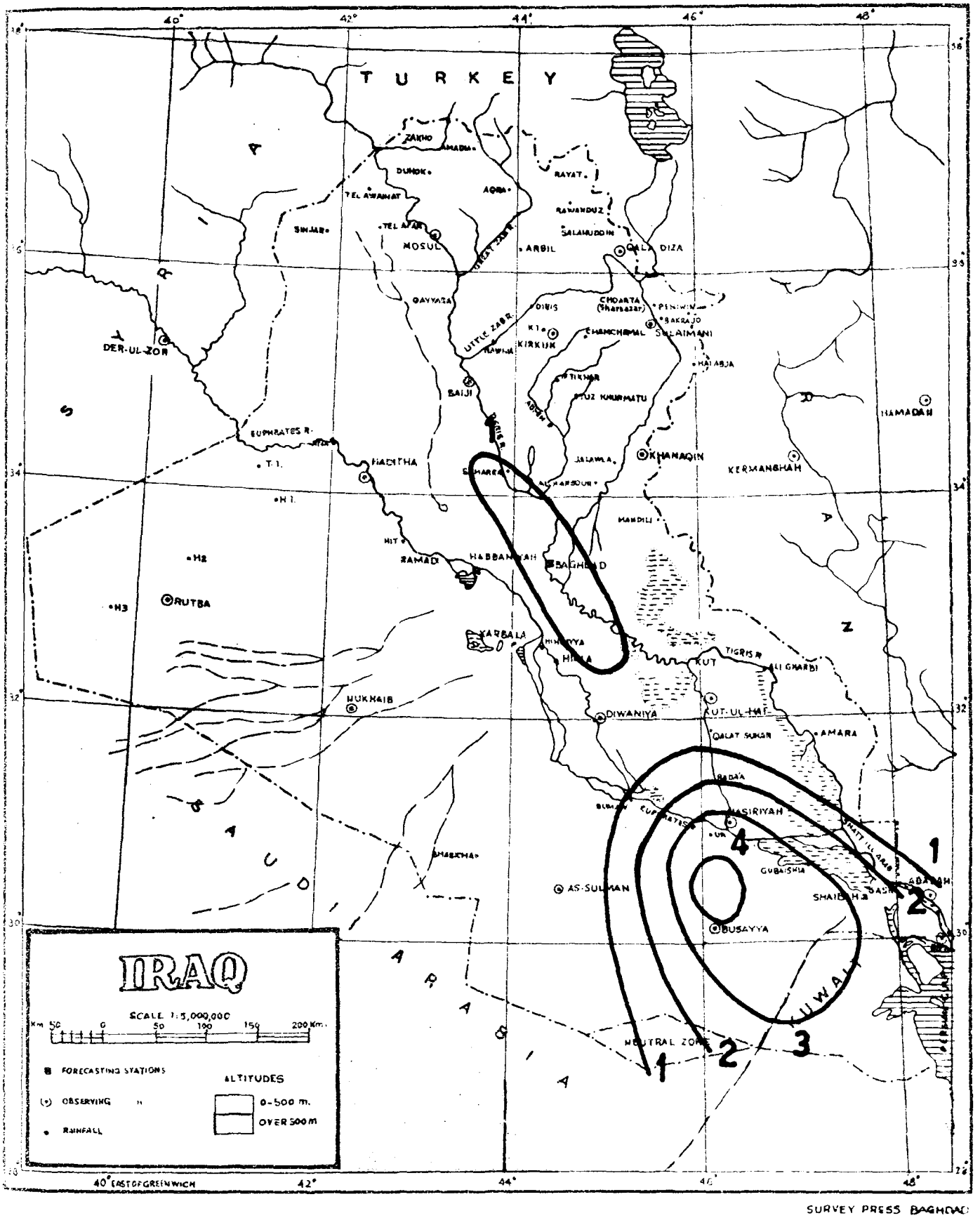
JULY



SURVEY PRESS BAGHDAD

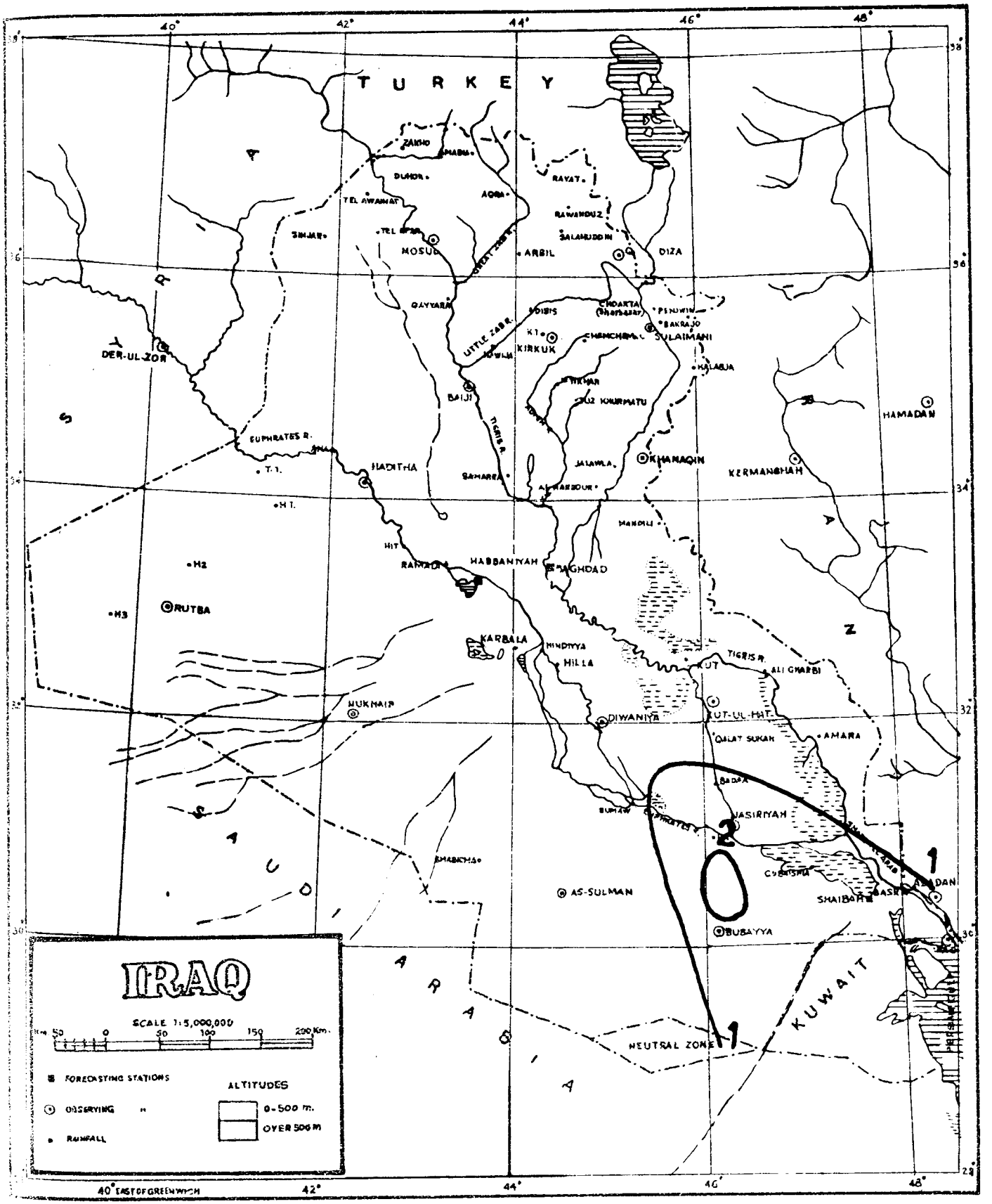
DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

AUGUST



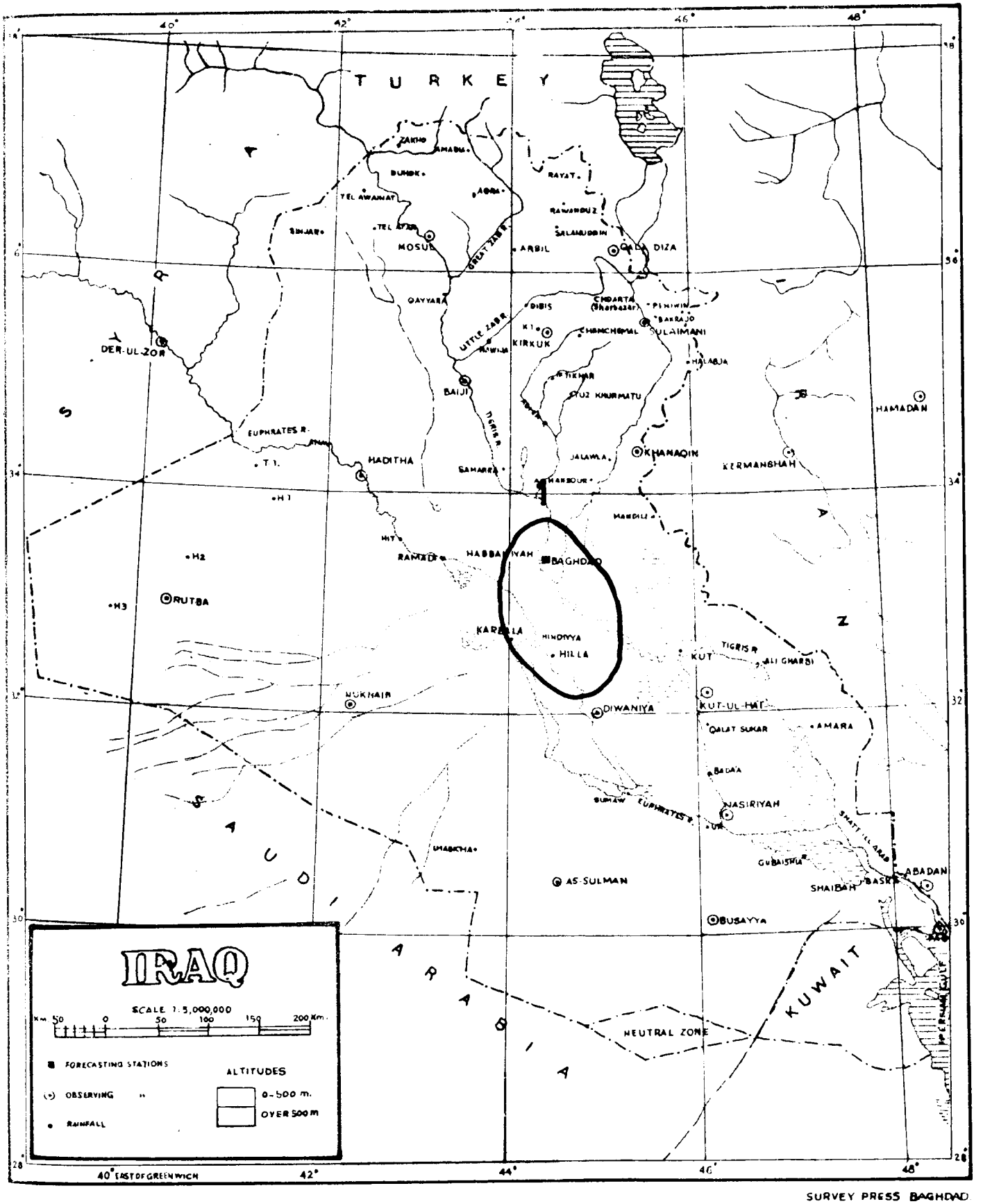
DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
period of records see page 2/3

SEPTEMBER



DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
Period of records see page 2-3

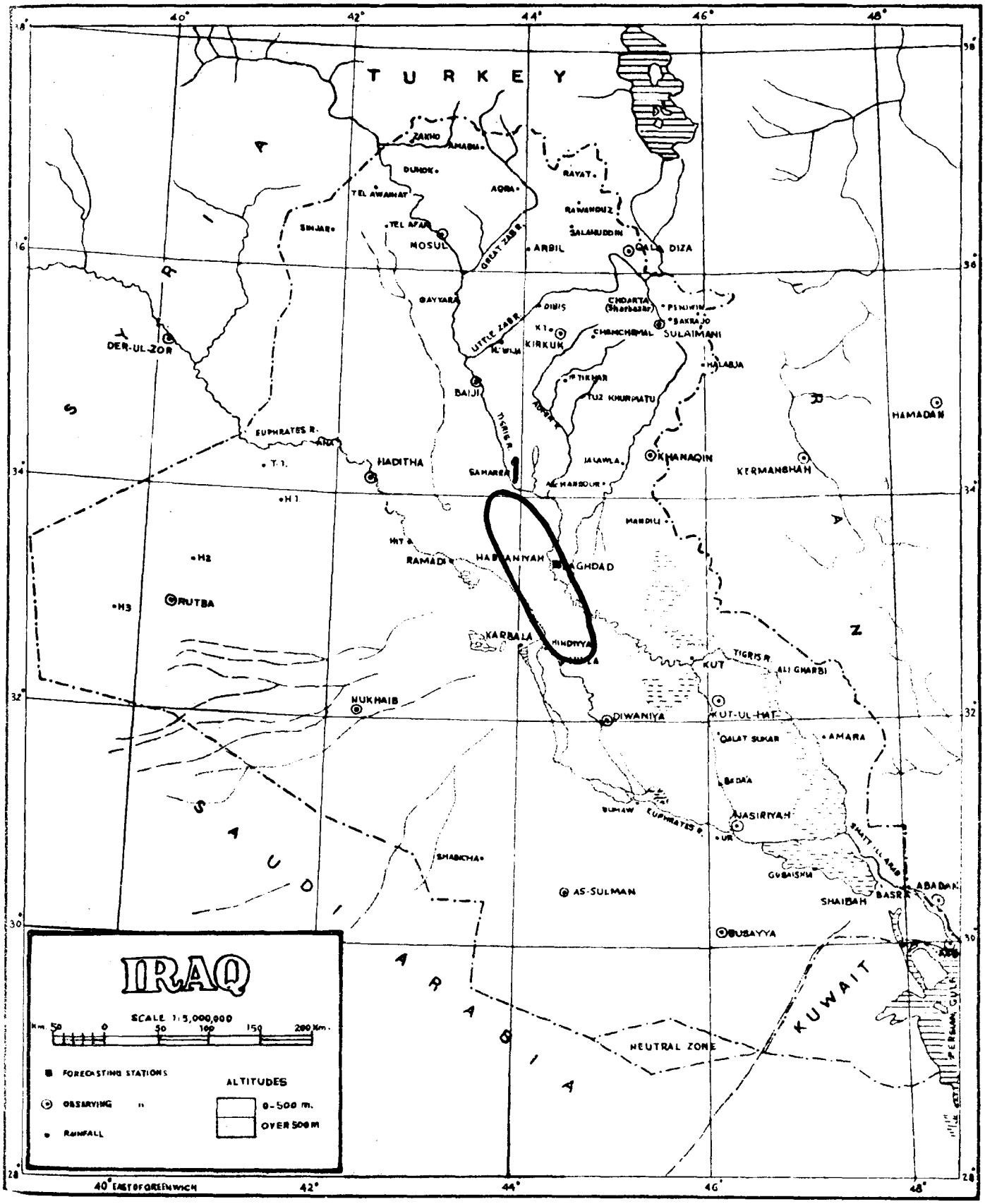
OCTOBER



SURVEY PRESS BAGHDAD

DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
Period ef records see page 2-3

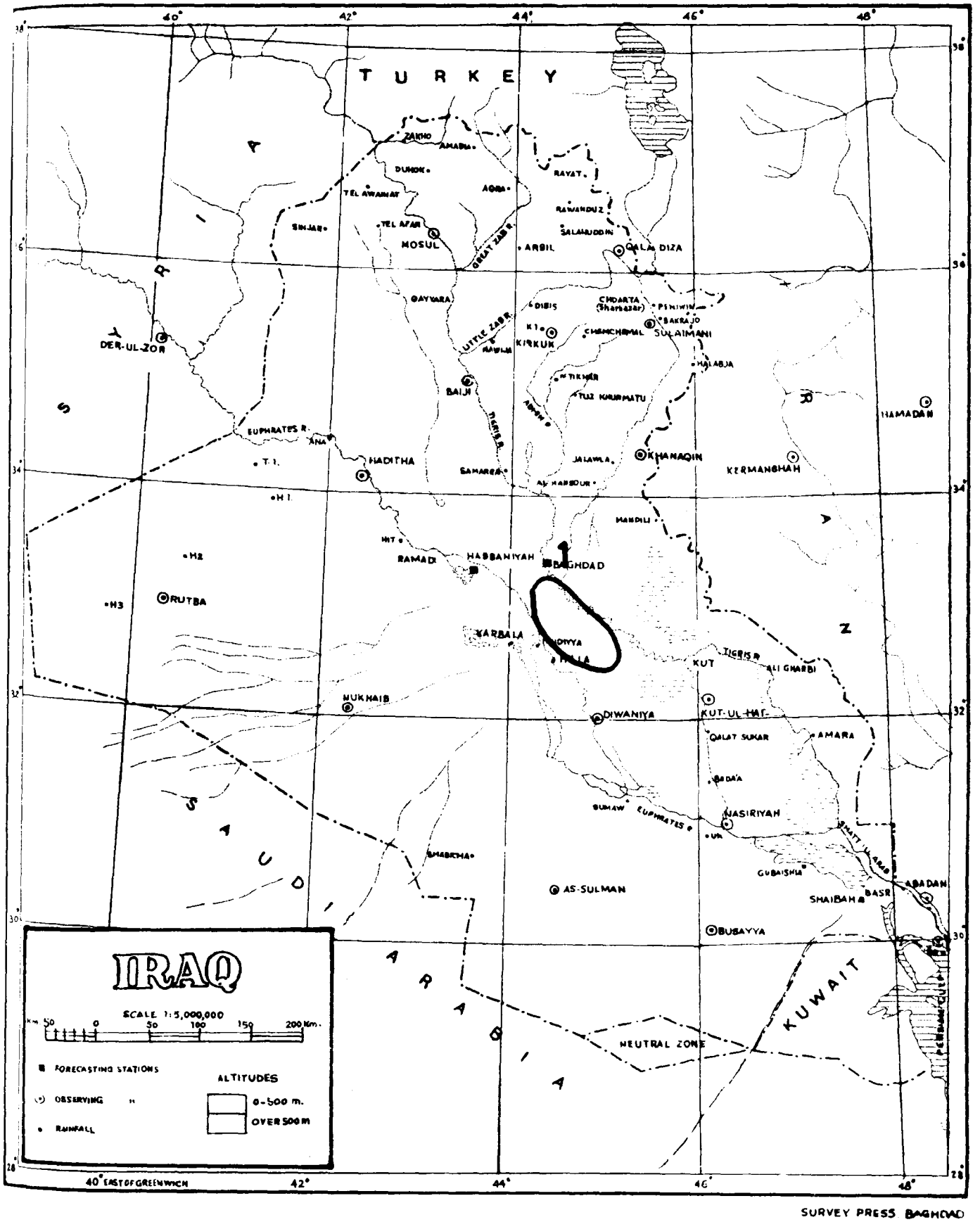
NOVEMBER



SURVEY PRESS BAGHDAD

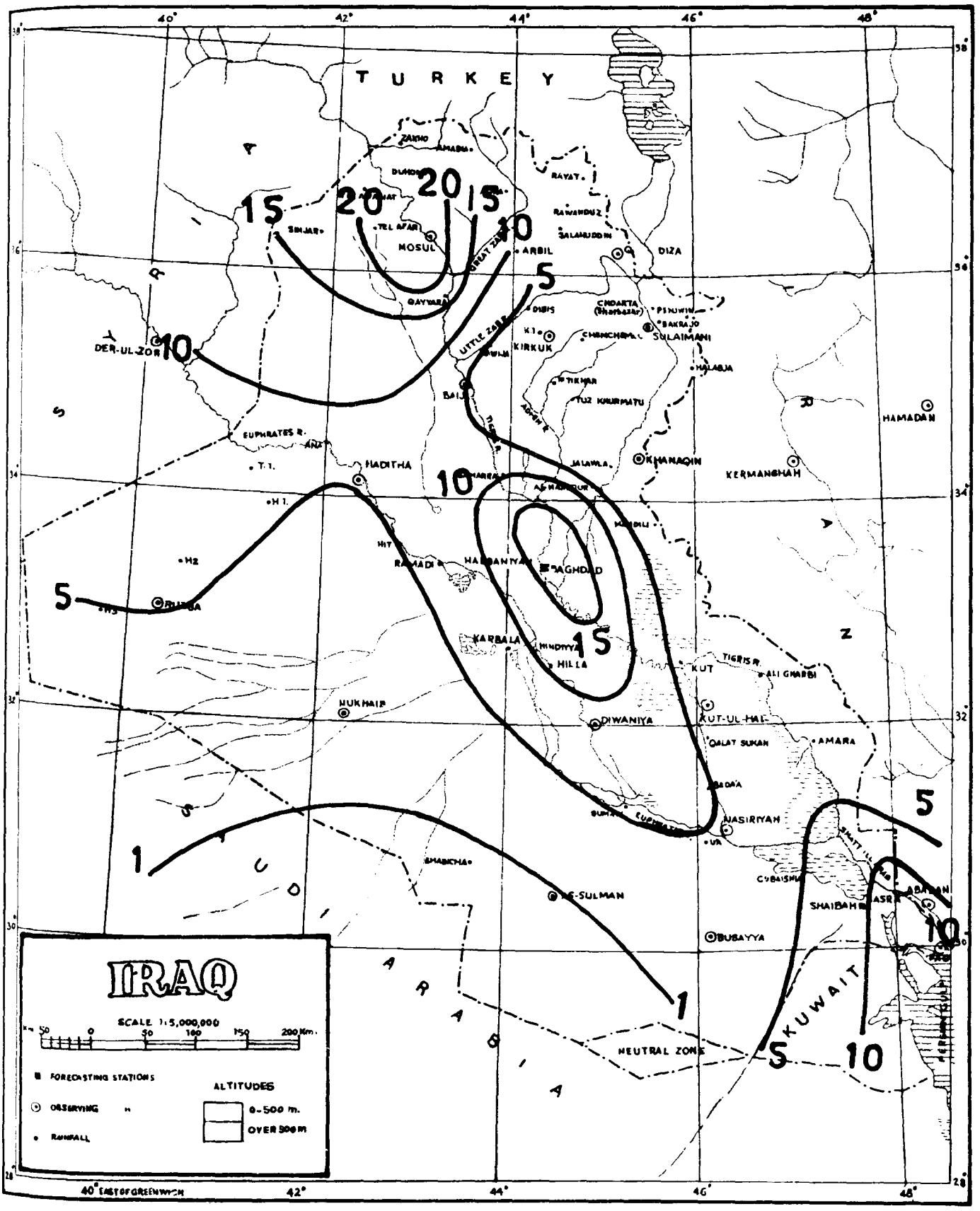
DUST
(Visibility less than 1 Km)
Mean Monthly Number of Days with Dust
Period of records see page 2-3

DECEMBER



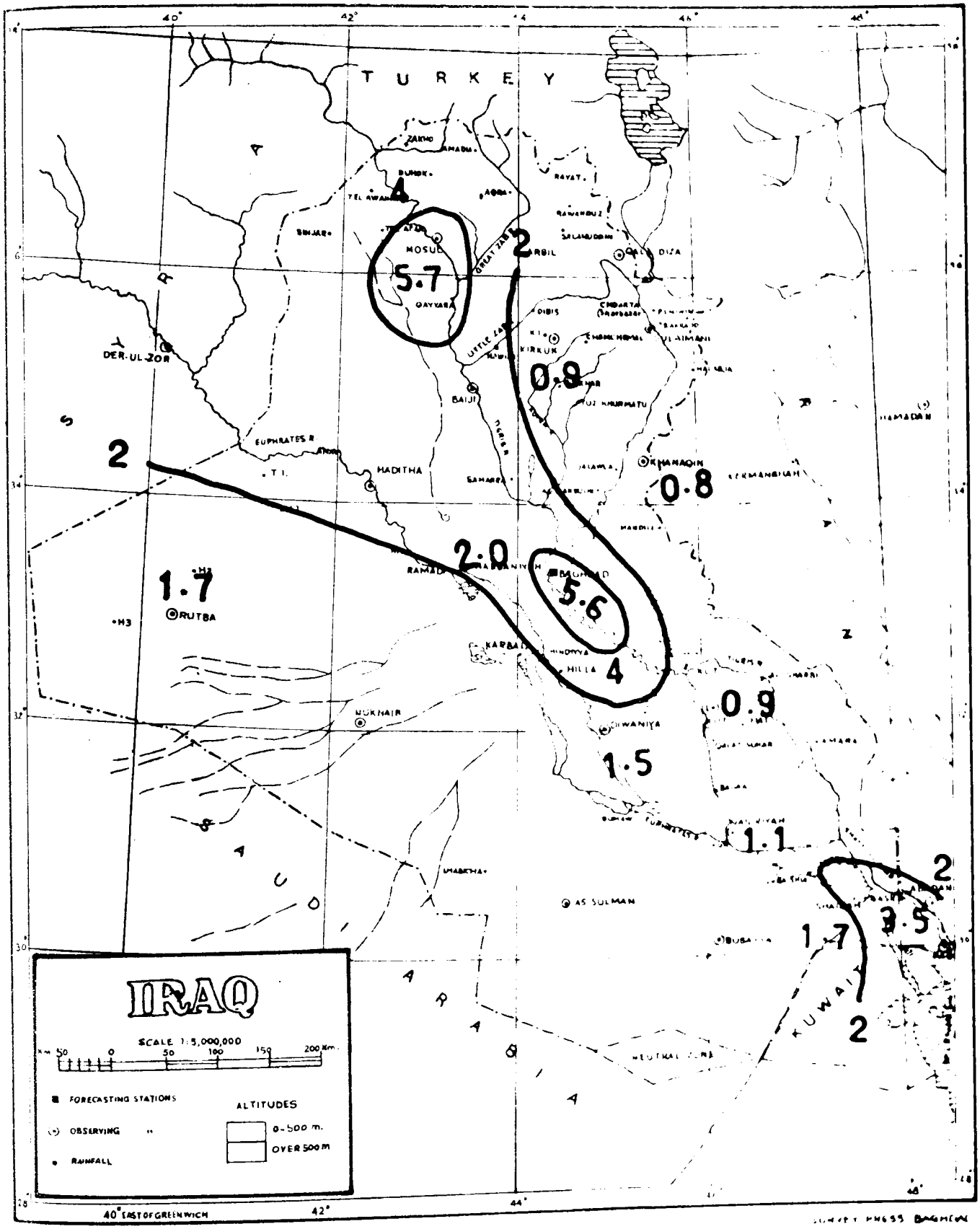
SURVEY PRESS BAGHDAD

F O G
Mean Annual Number of Days with Fog
Period of Records see Page 2-3



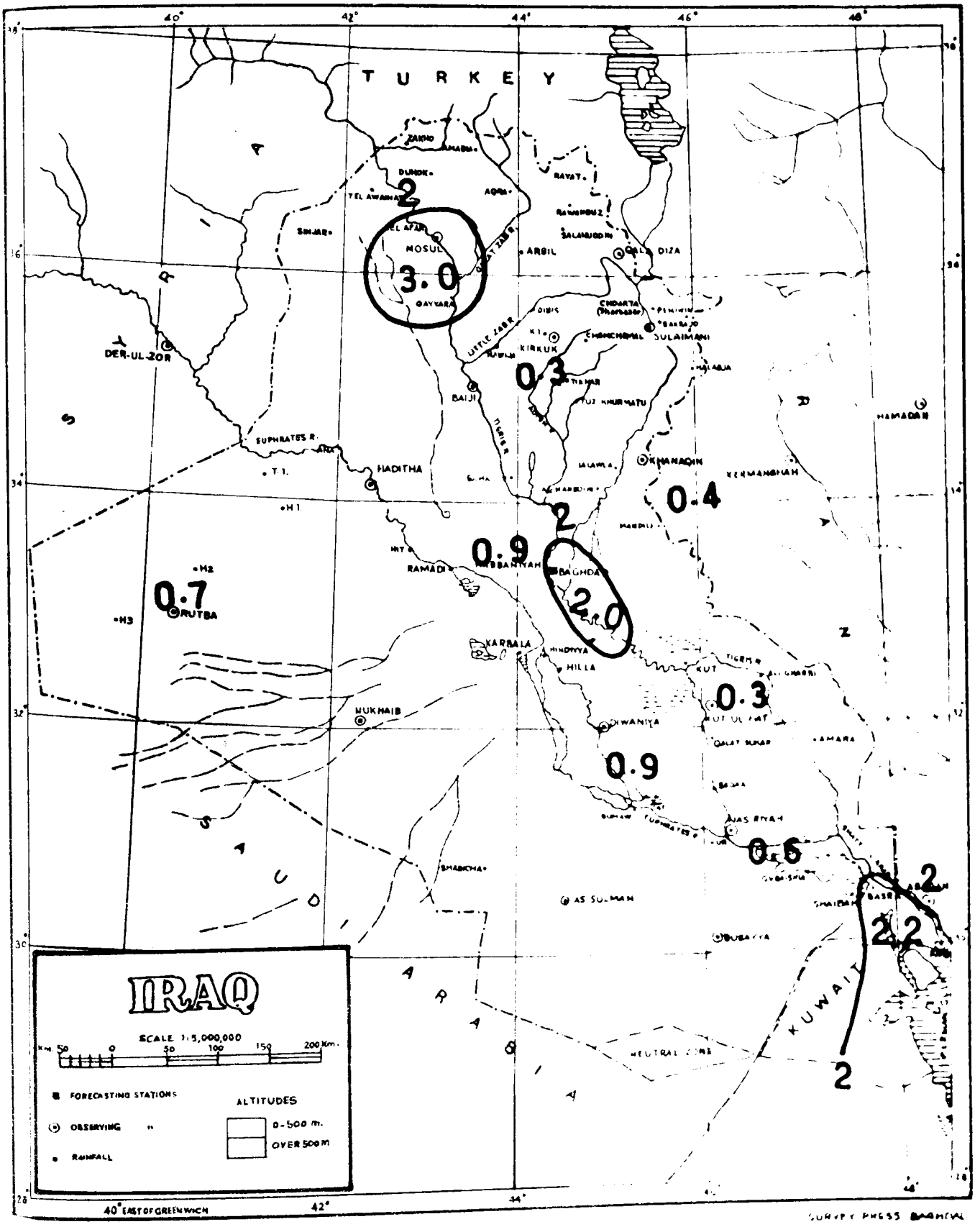
F O G
Mean Monthly Number of Days with Fog
period of records see page 2/3

JANUARY



F O G
Mean Monthly Number of Days with Fog
period of records see page 2/3

FEBRUARY

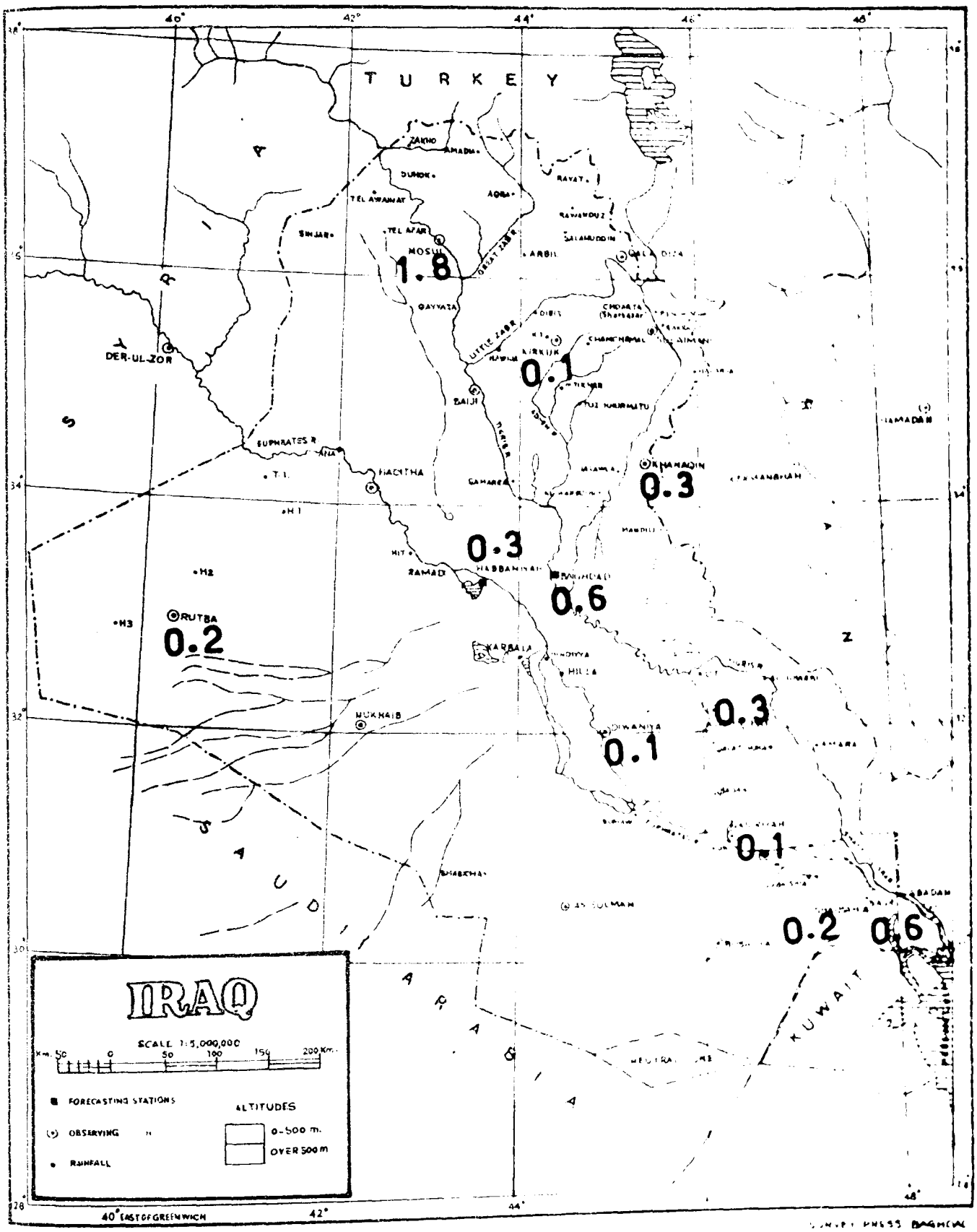


F O G

Mean Monthly Number of Days with Fog

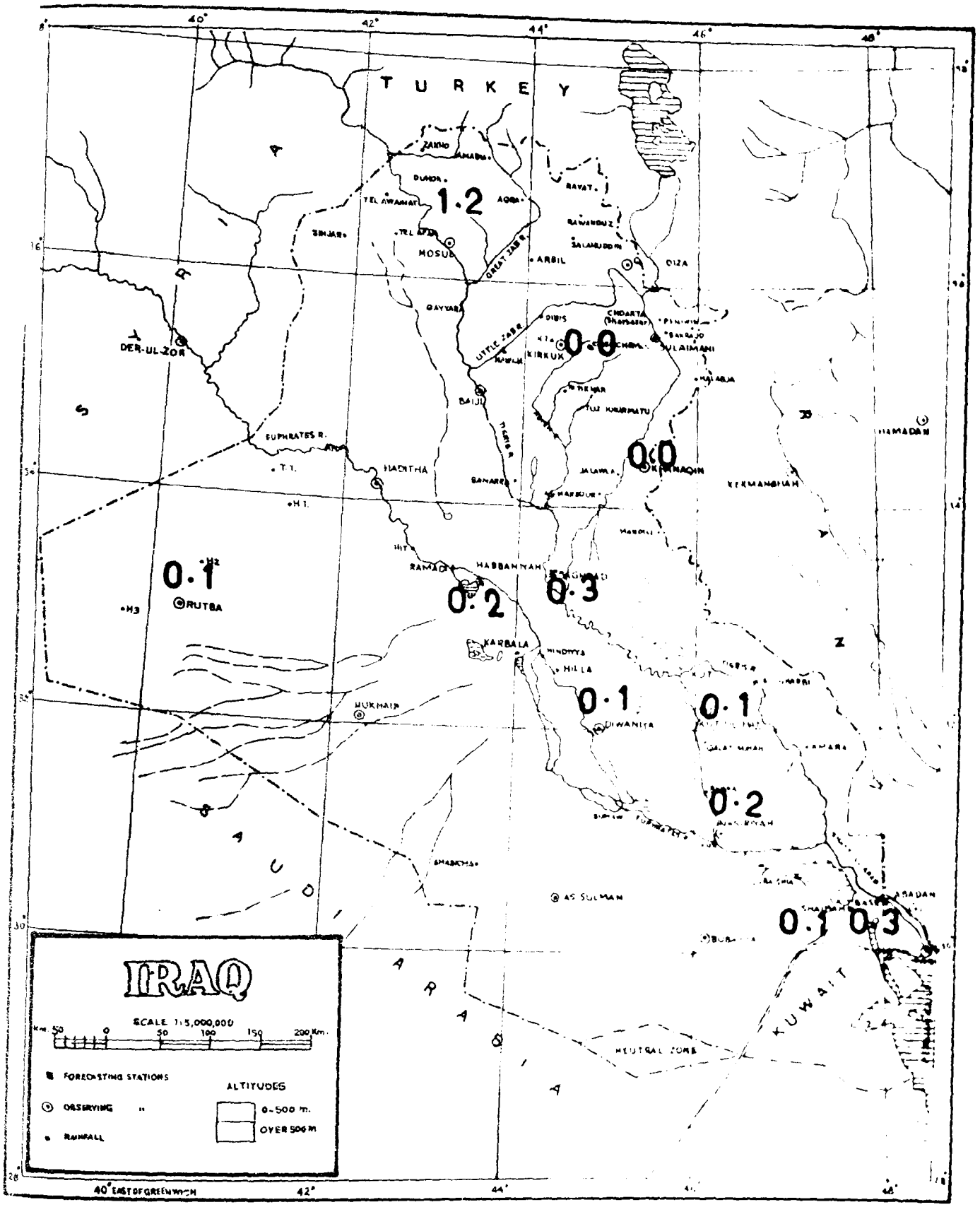
period of records see page 2/3

MARCH



F O G
Mean Monthly Number of Days with Fog
period of records see page 2 3

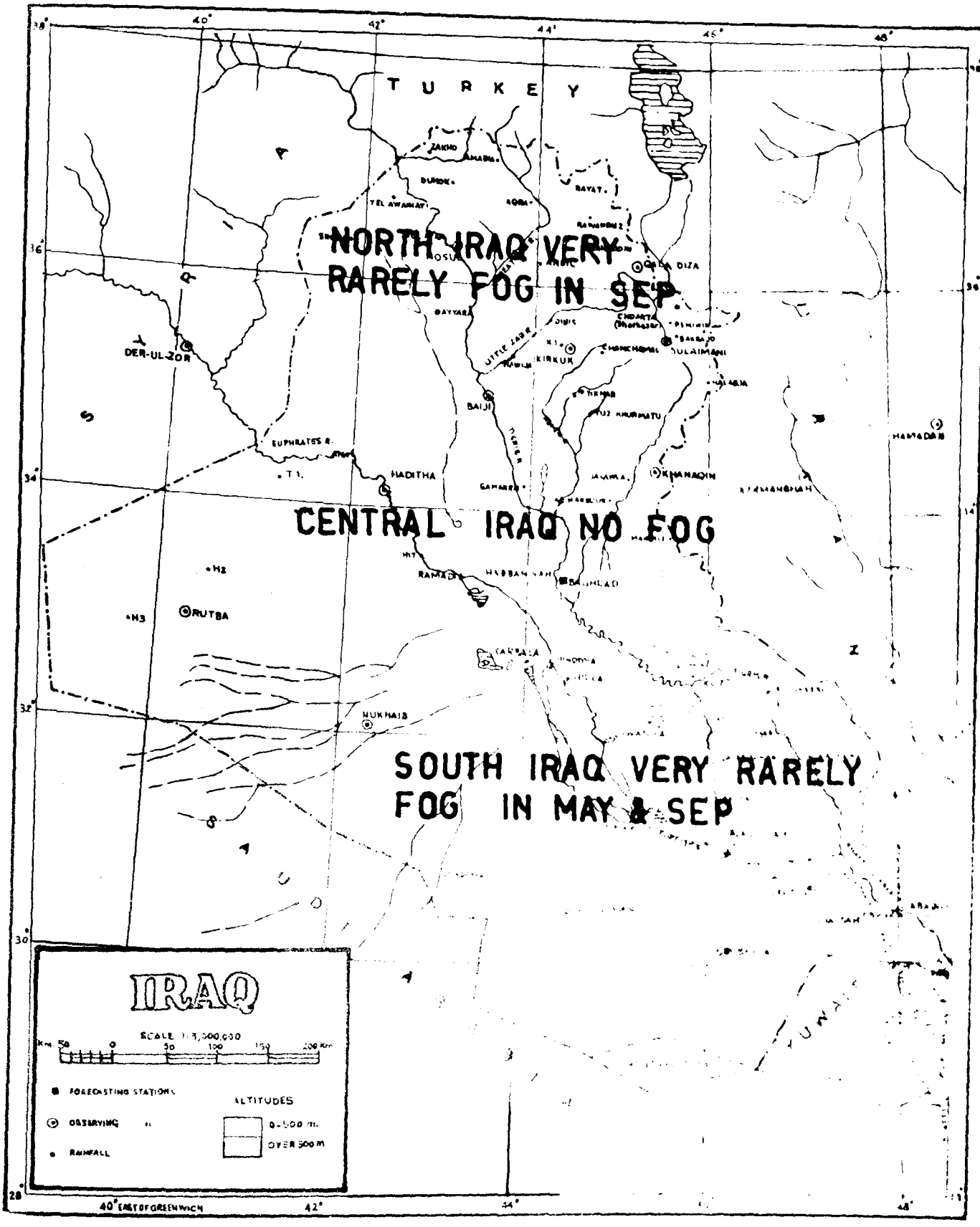
APRIL



F O G

Mean Monthly Number of Days with Fog
period of records see page 2/3

MAY AUG
JUN. SEP.
JUL.



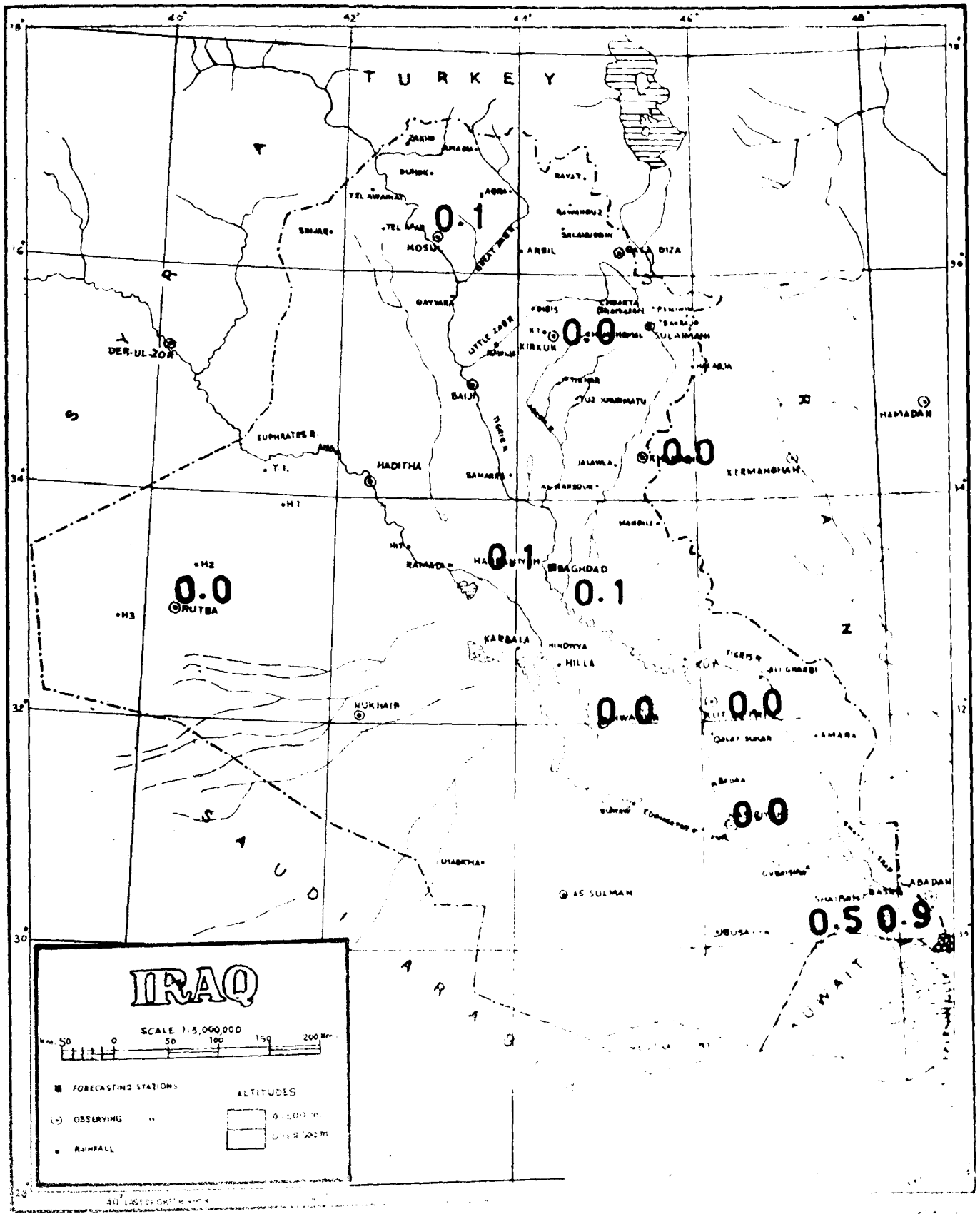
SURVEY PRESS BAGHDAD

F O G

Mean Monthly Number of Days with Fog

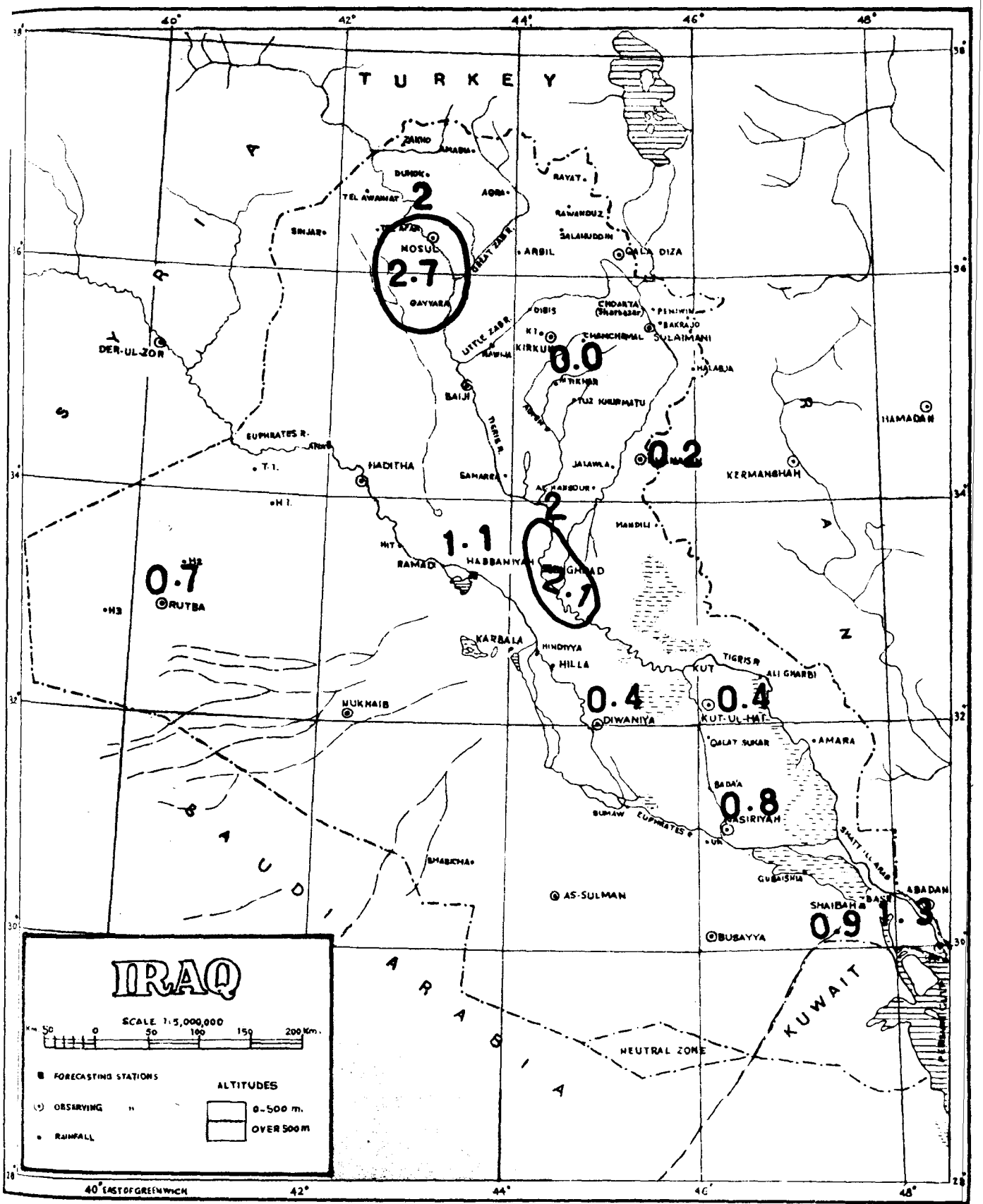
period of records see page 2/3

OCTOBER



F O G
Mean Monthly Number of Days with Fog
period of records see page 2/3

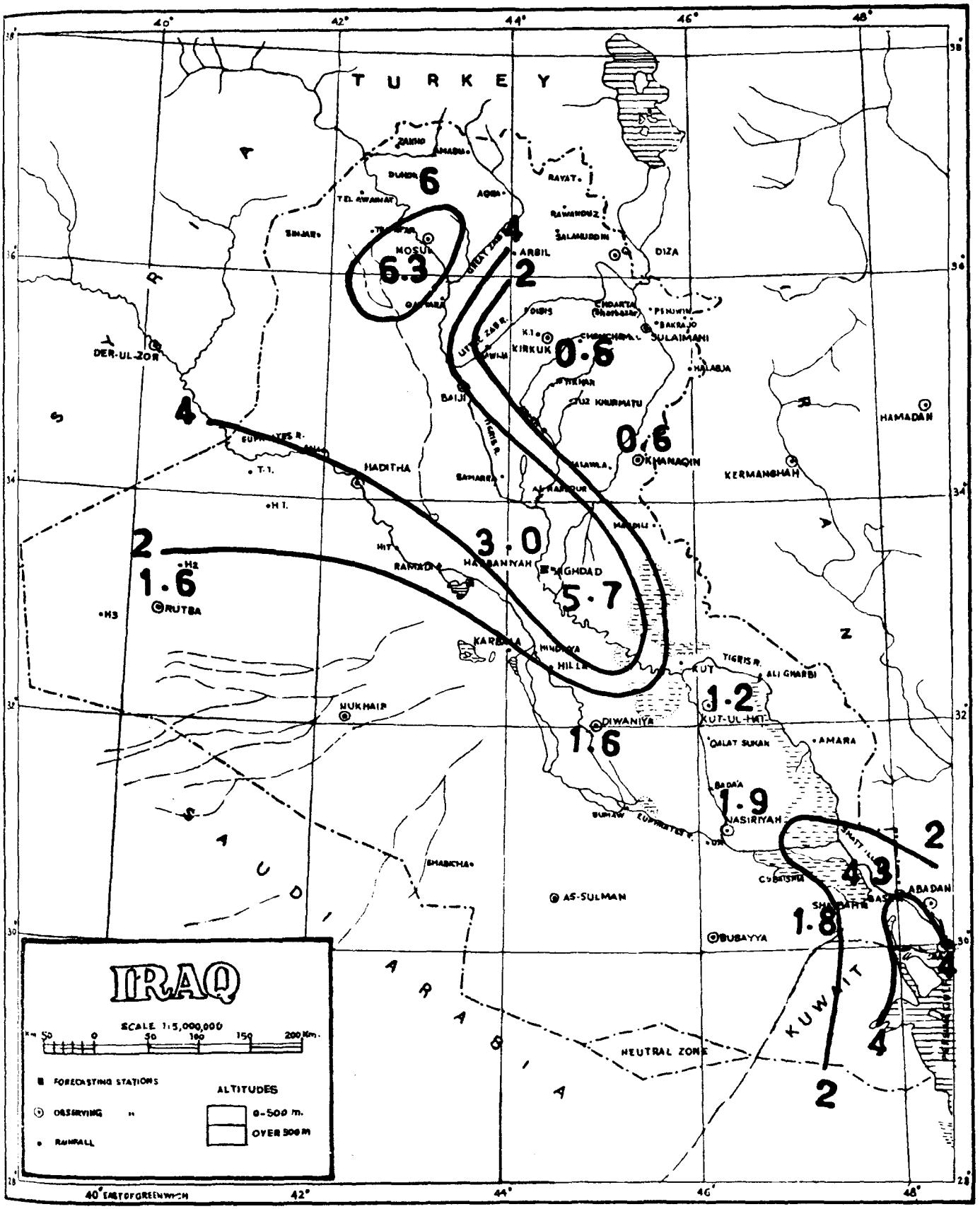
NOVEMBER



SURVEY PRESS BAGHDAD

F O G
Mean Monthly Number of Days with Fog
period of records see page 2/3

DECEMBER

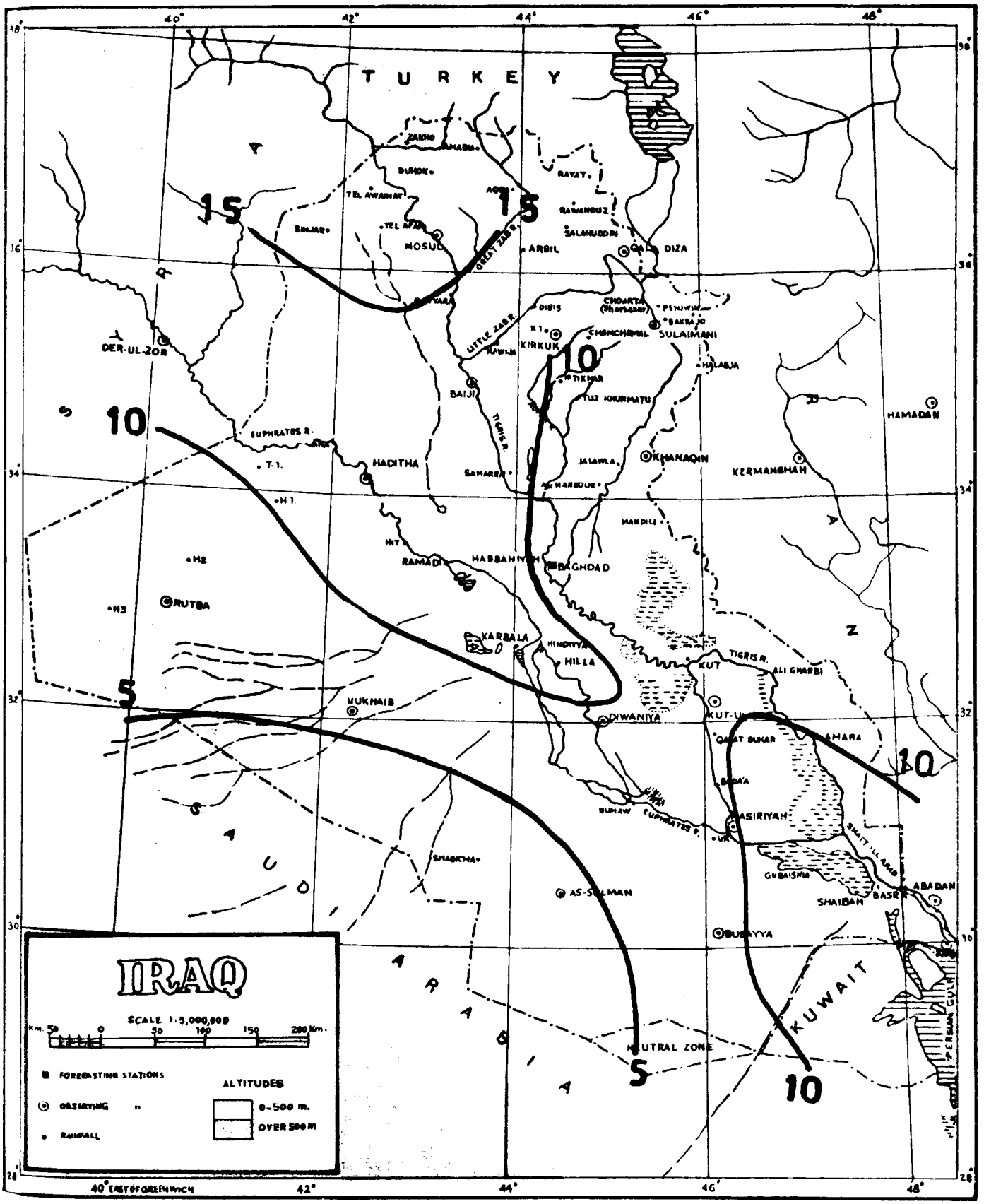


SURVEY PRESS, BAGHDAD.

THUNDERSTORM

Mean Annual Number of Days with Thunderstorm

period of records see page 2/3



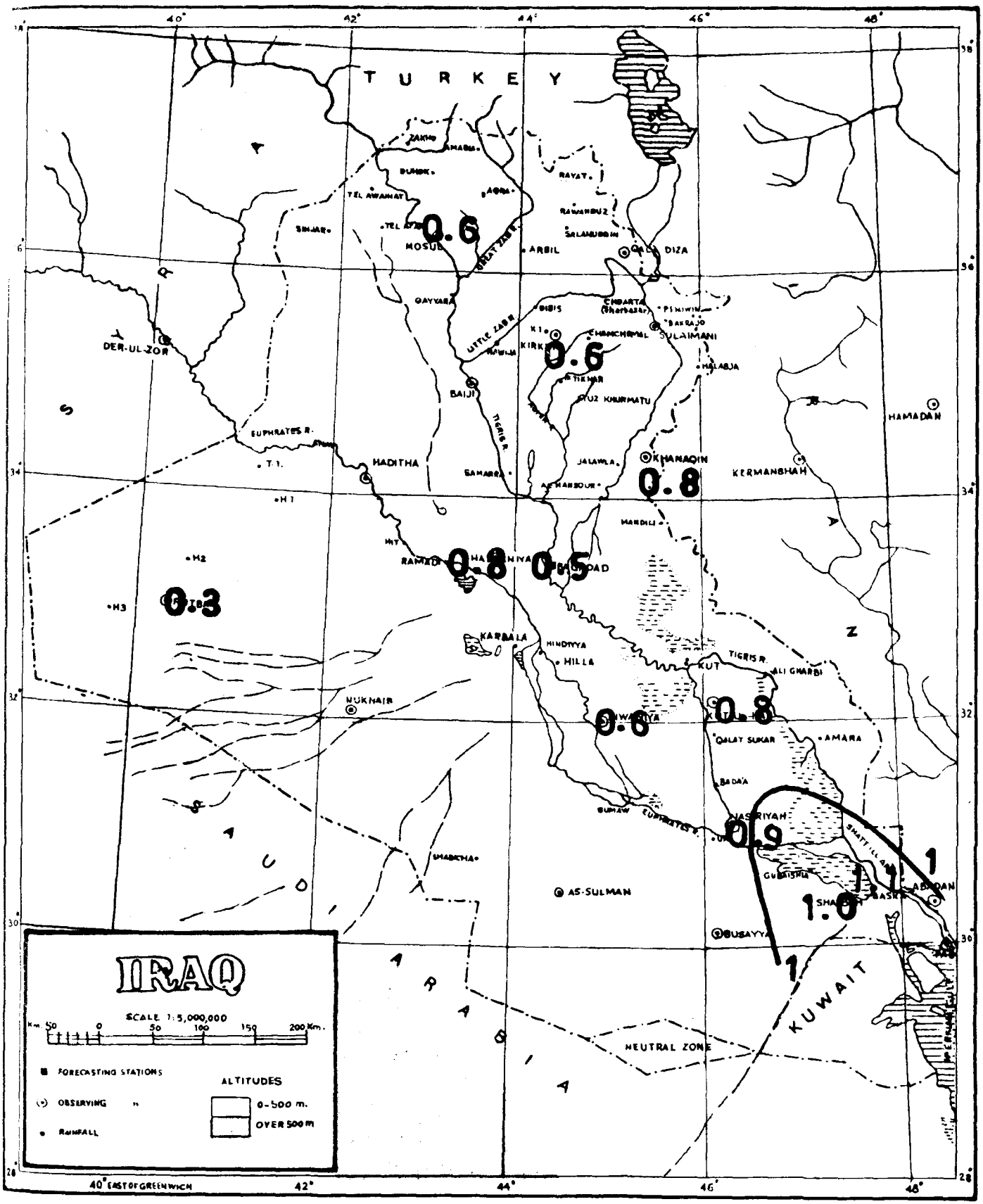
SURVEY PRESS, BAGHDAD

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

JANUARY



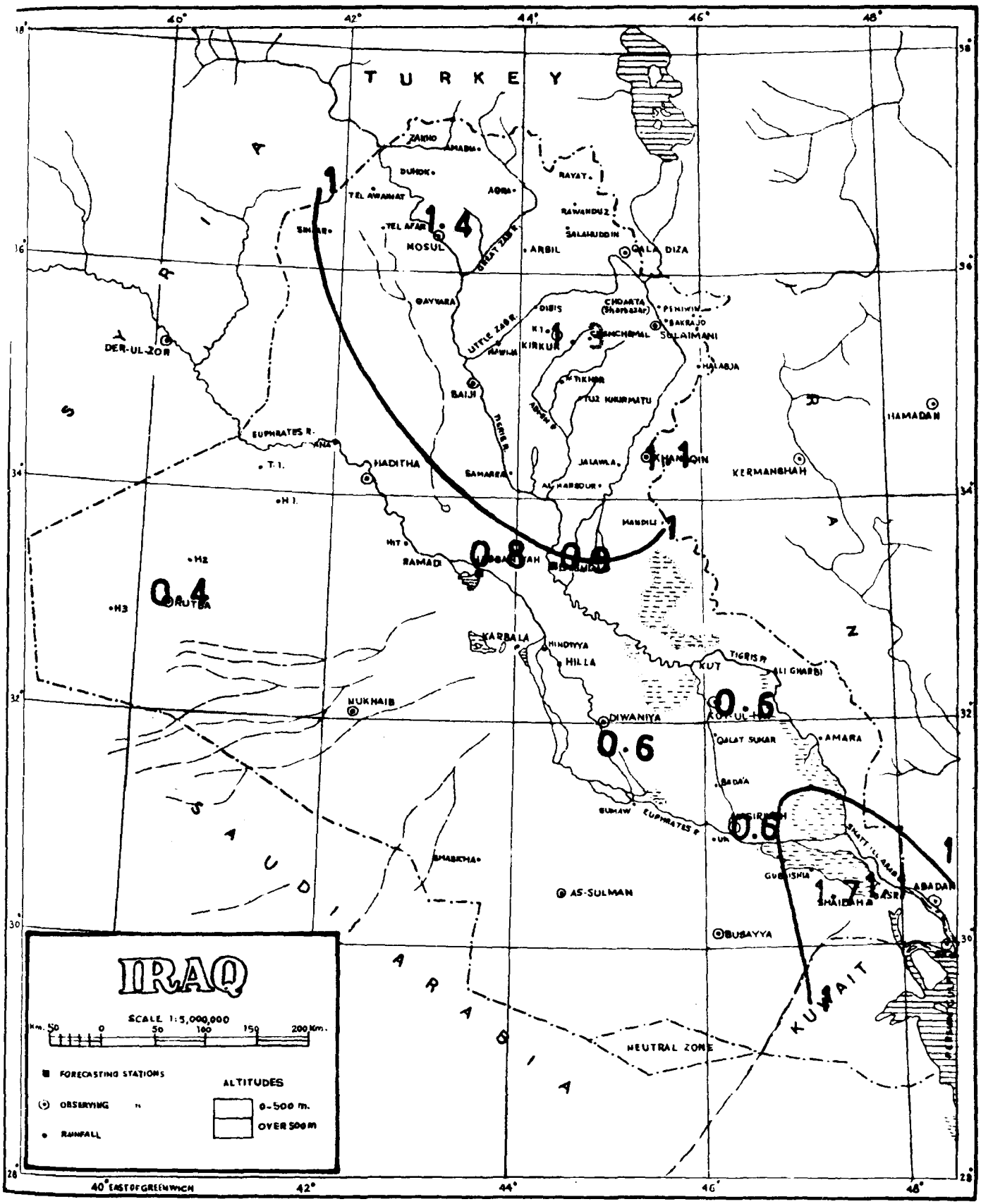
SURVEY PRESS, BAGHDAD.

THUNDERSTORM

Mean Monthly Number of Days with Thuuderstorm

period of records see page 2/3

FEBRUARY



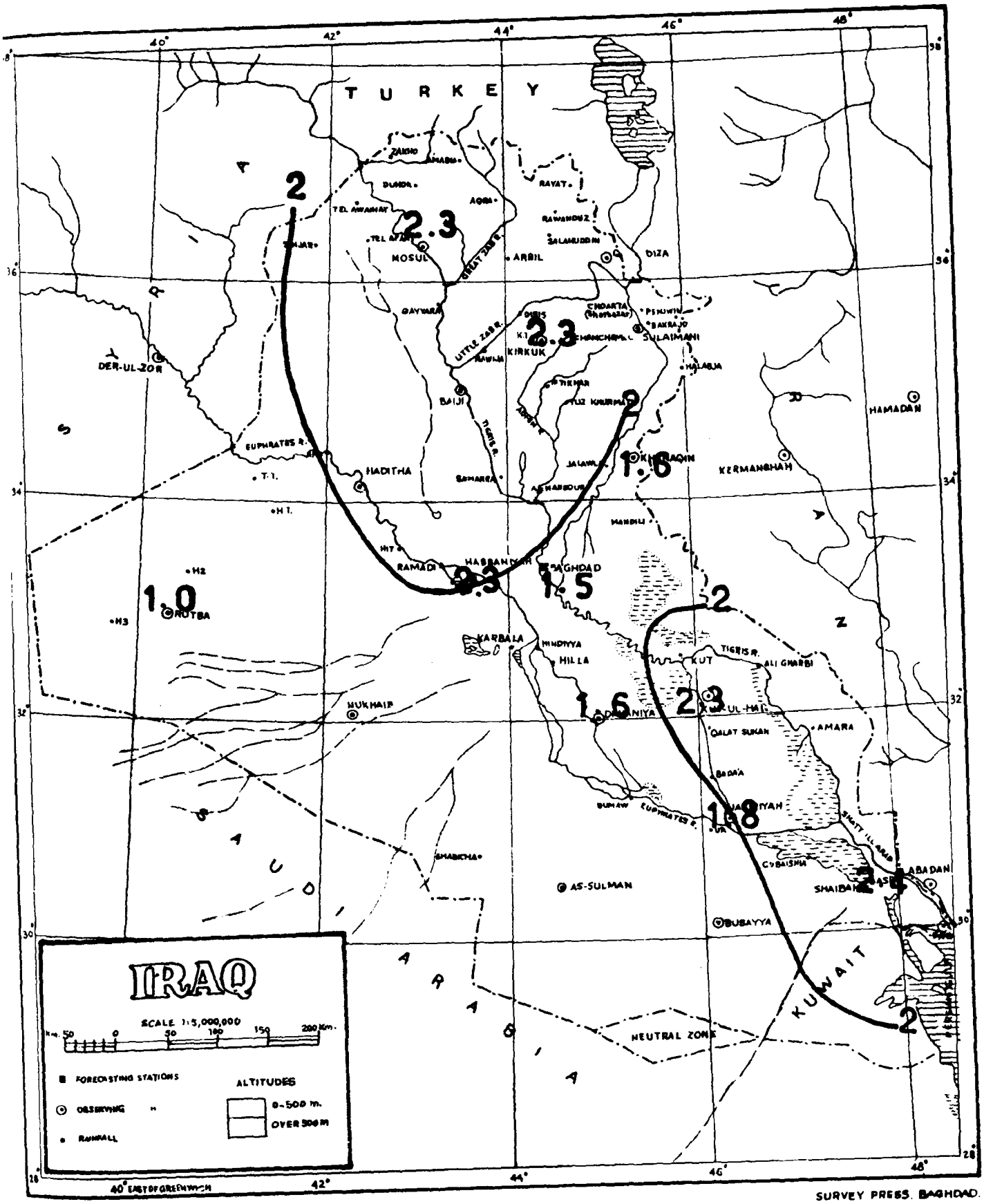
SURVEY PRESS BAGHDAD

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

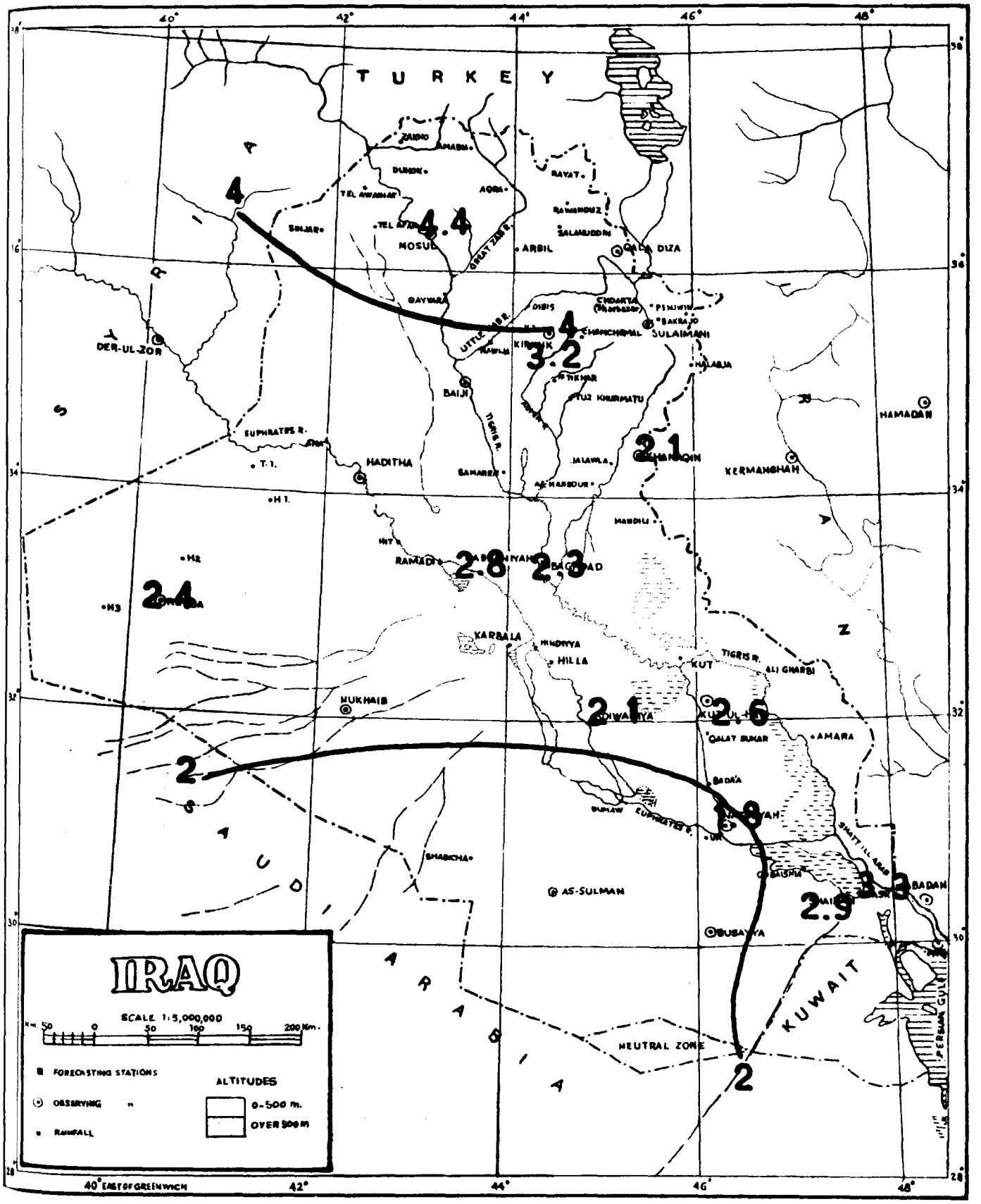
period of records see page 2/3

MARCH



Mean Monthly Number of Days with Thunderstorm
period of records see page 2/3

APRIL



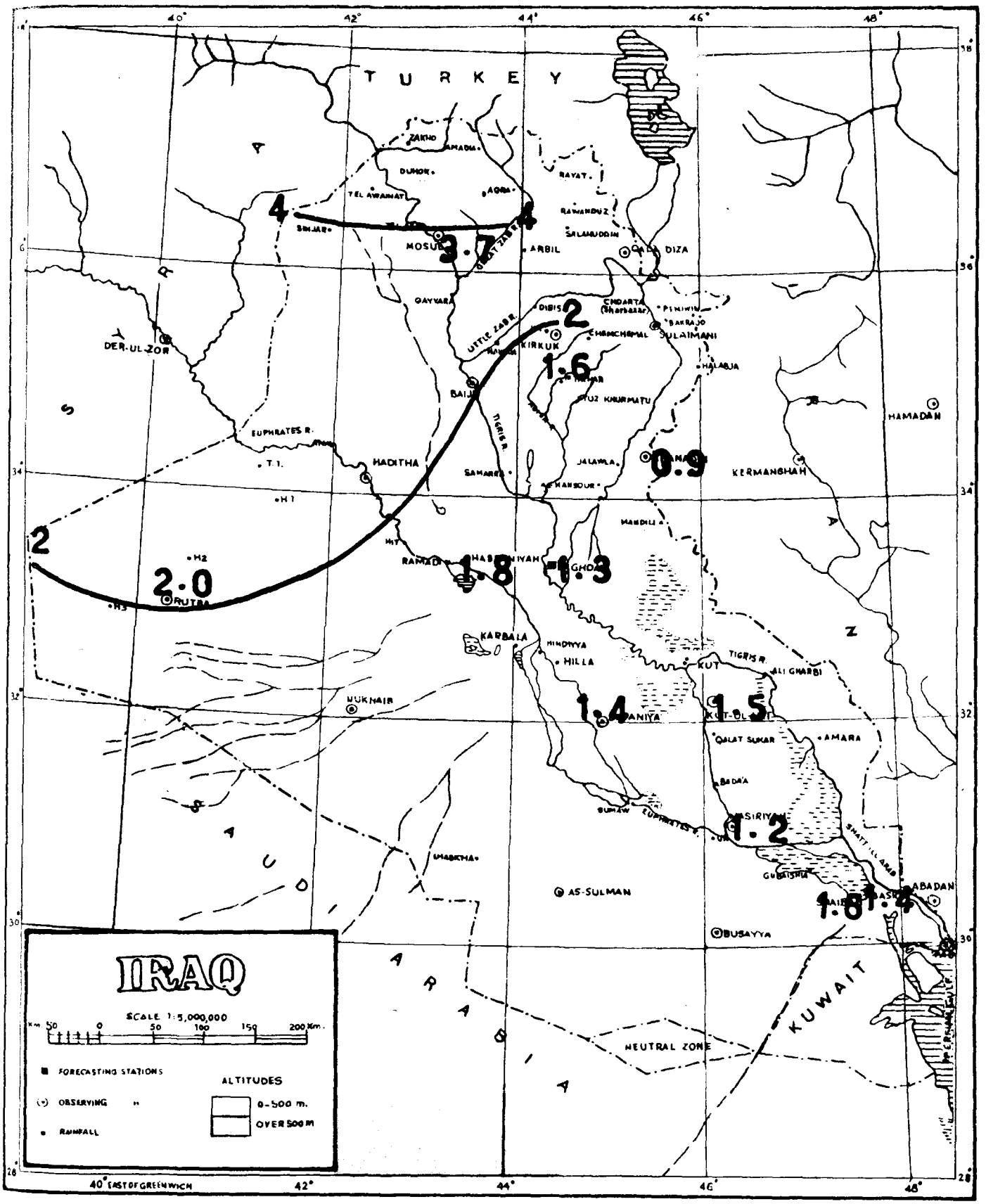
SURVEY PRESS, BAGHDAD

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

MAY



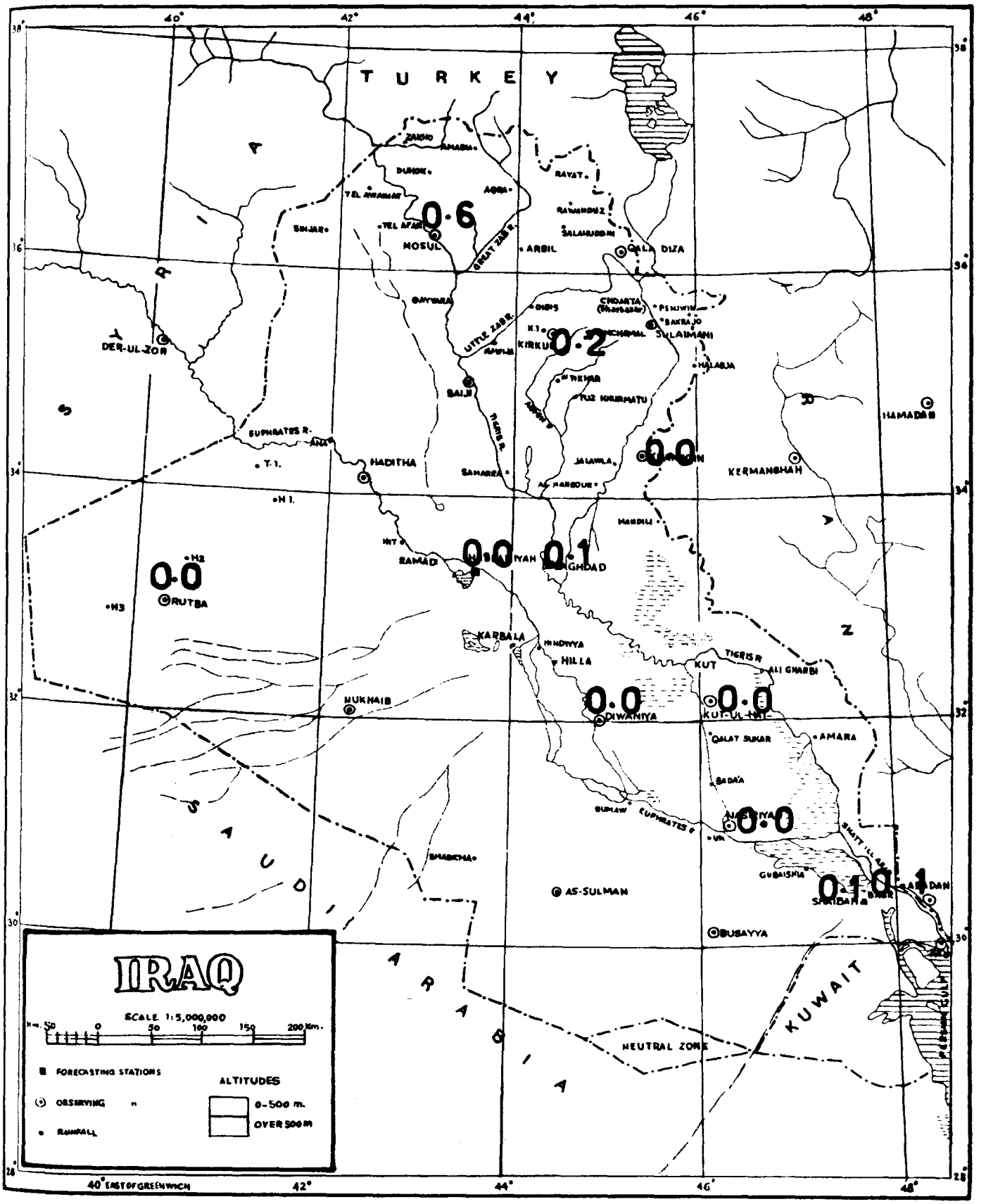
SURVEY PRESS. BAGHDAD.

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

JUNE



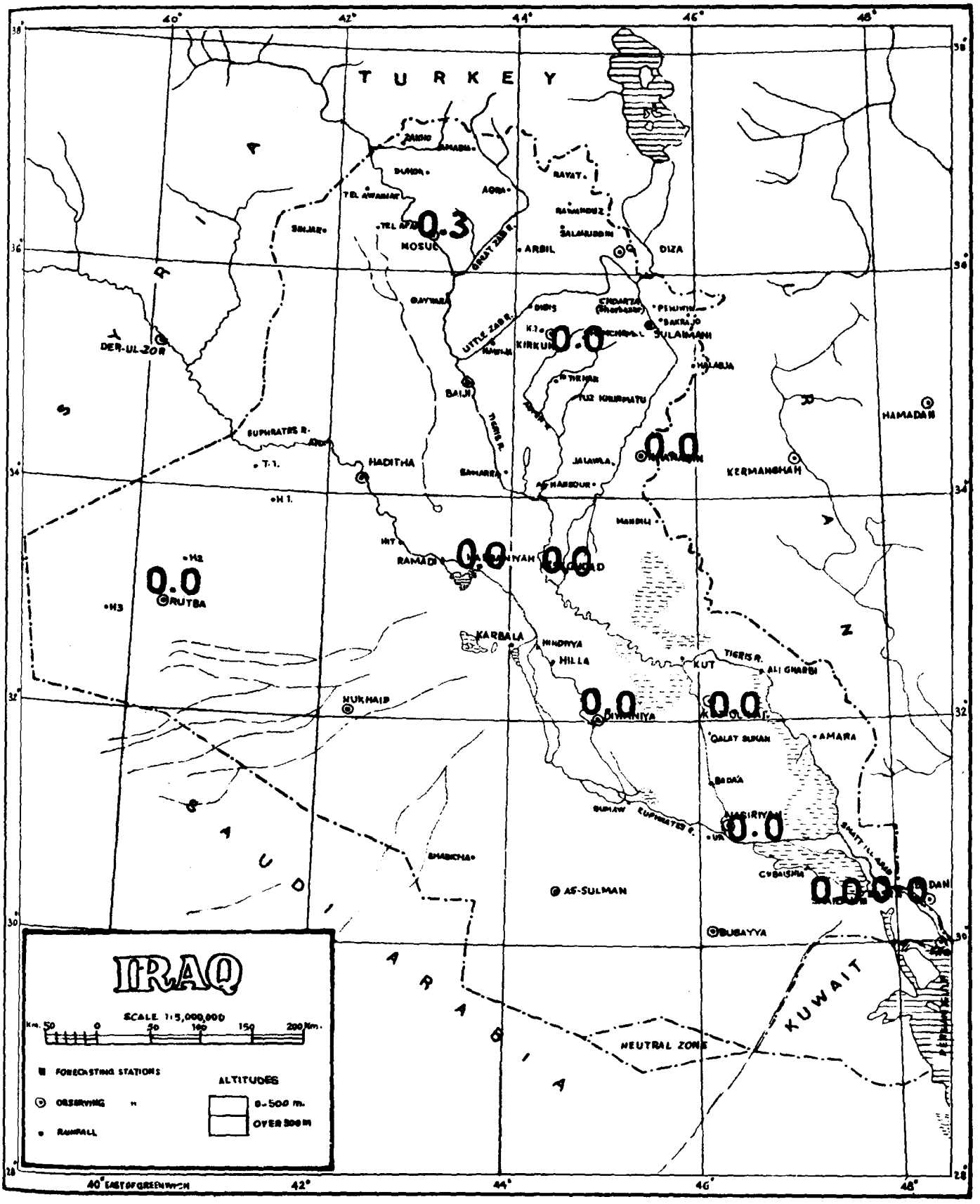
SURVEY PRESS, BAGHDAD.

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

JULY

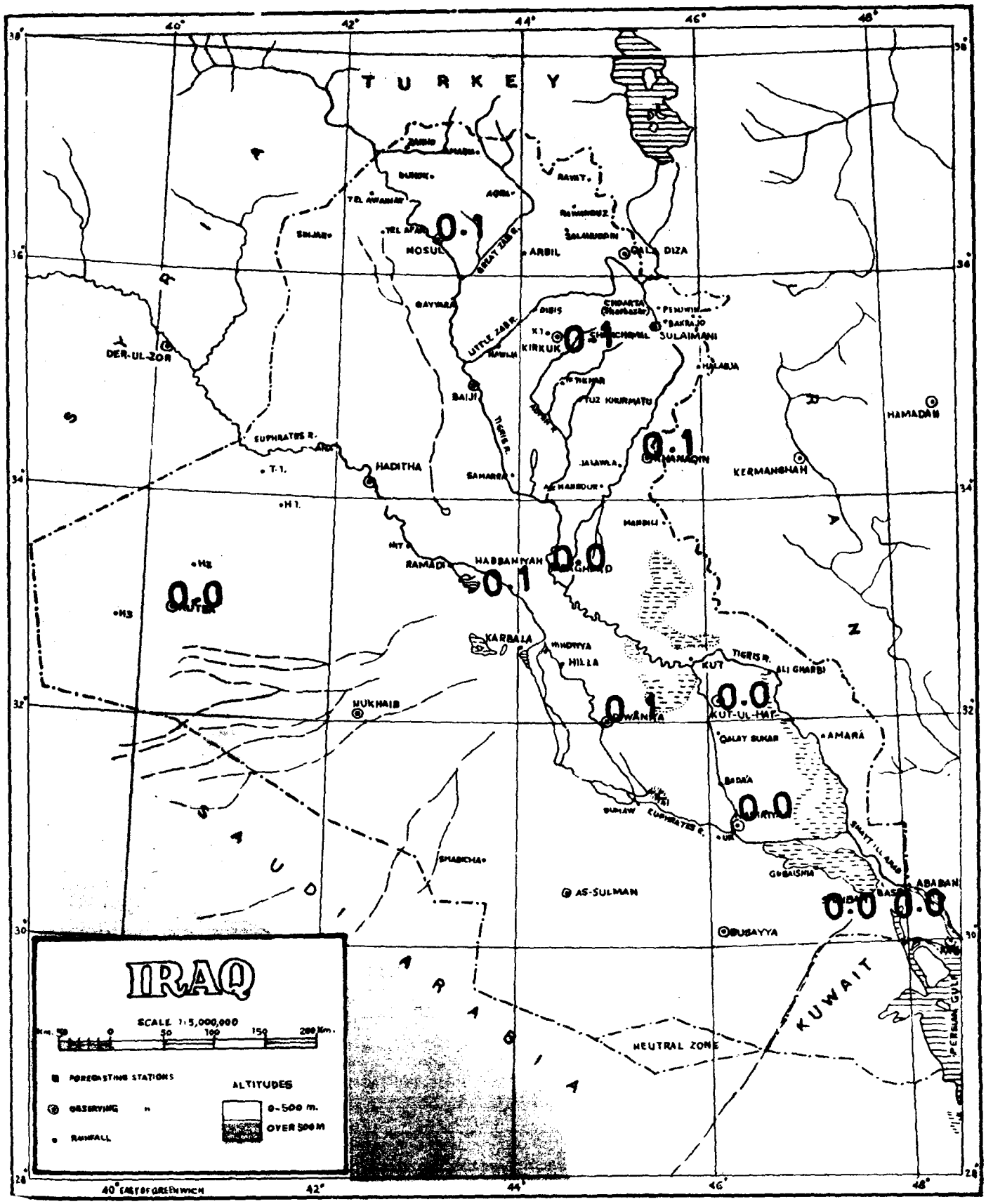


THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

AUGUST



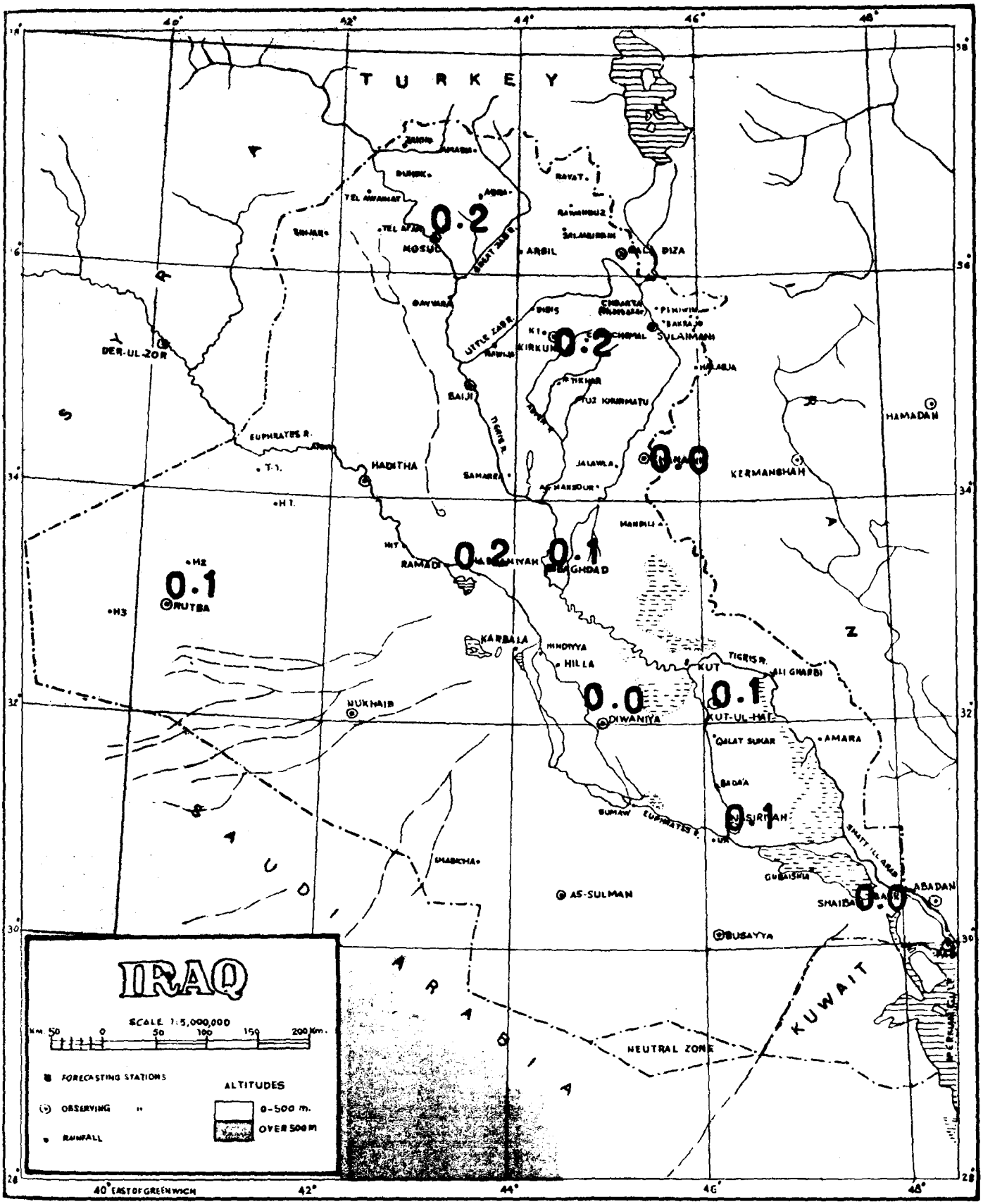
SURVEY PRESS. BAGHDAD

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

SEPTEMBER



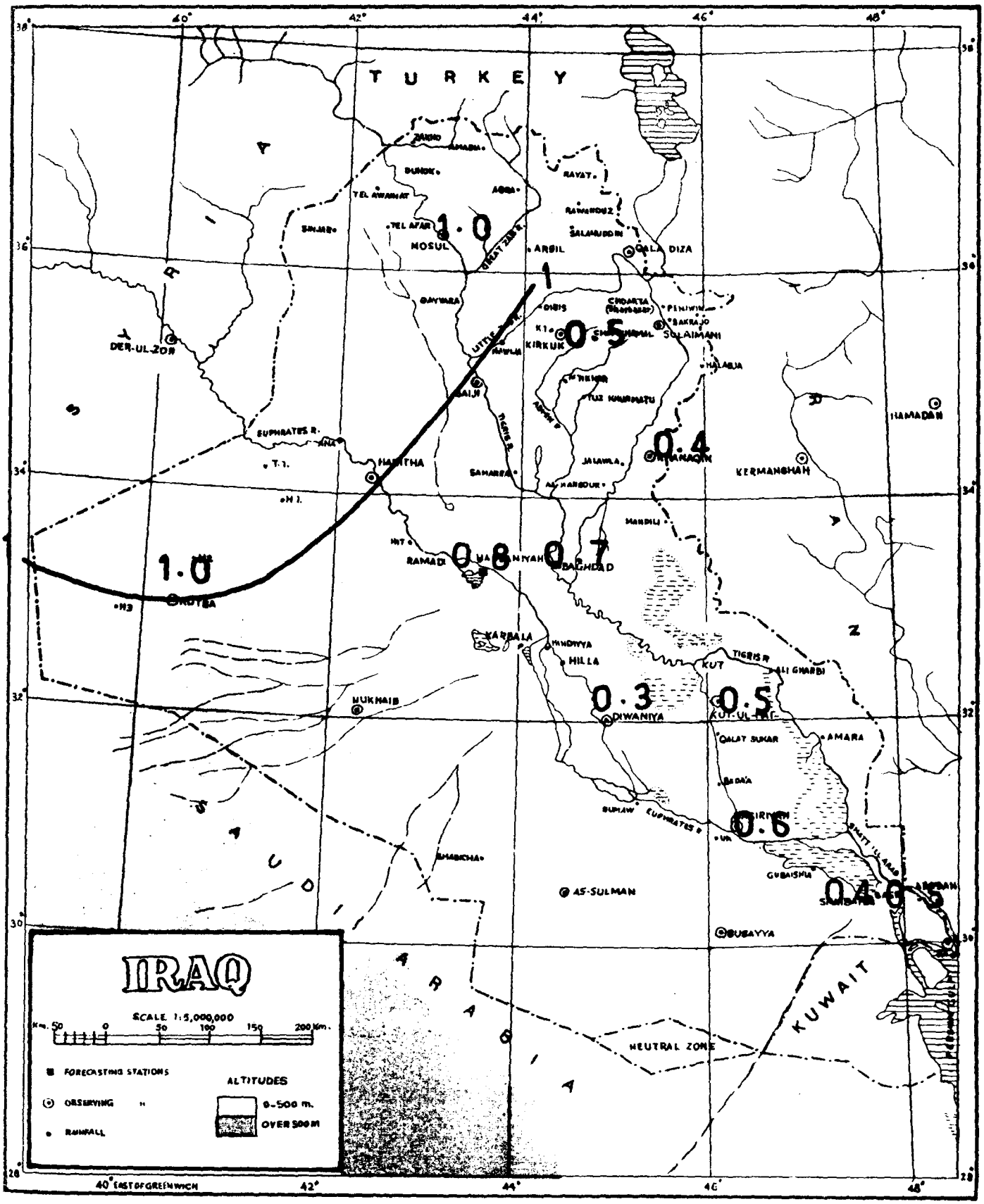
SURVEY PRESS. BAGHDAD.

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

OCTOBER

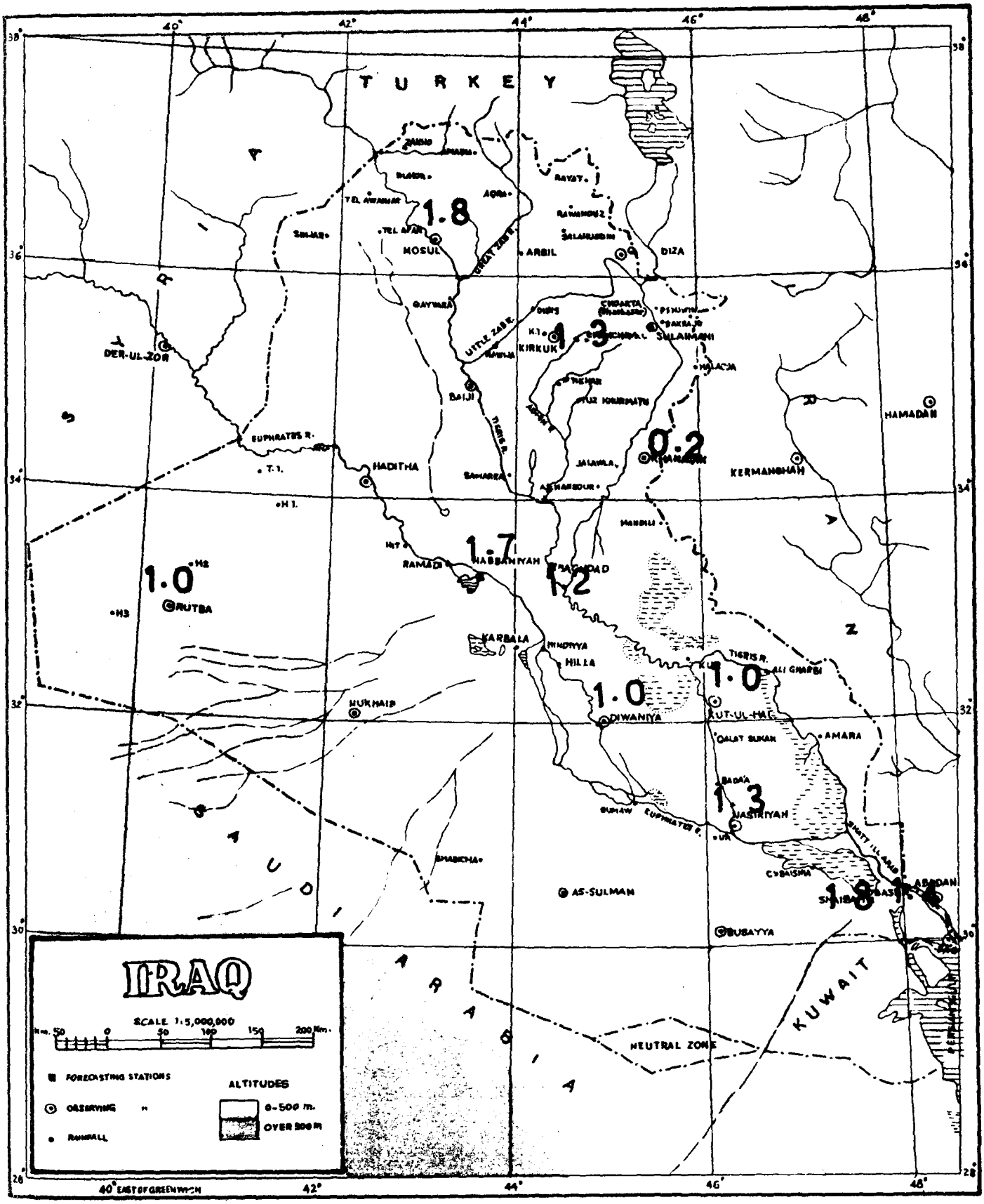


THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

NOVEMBER



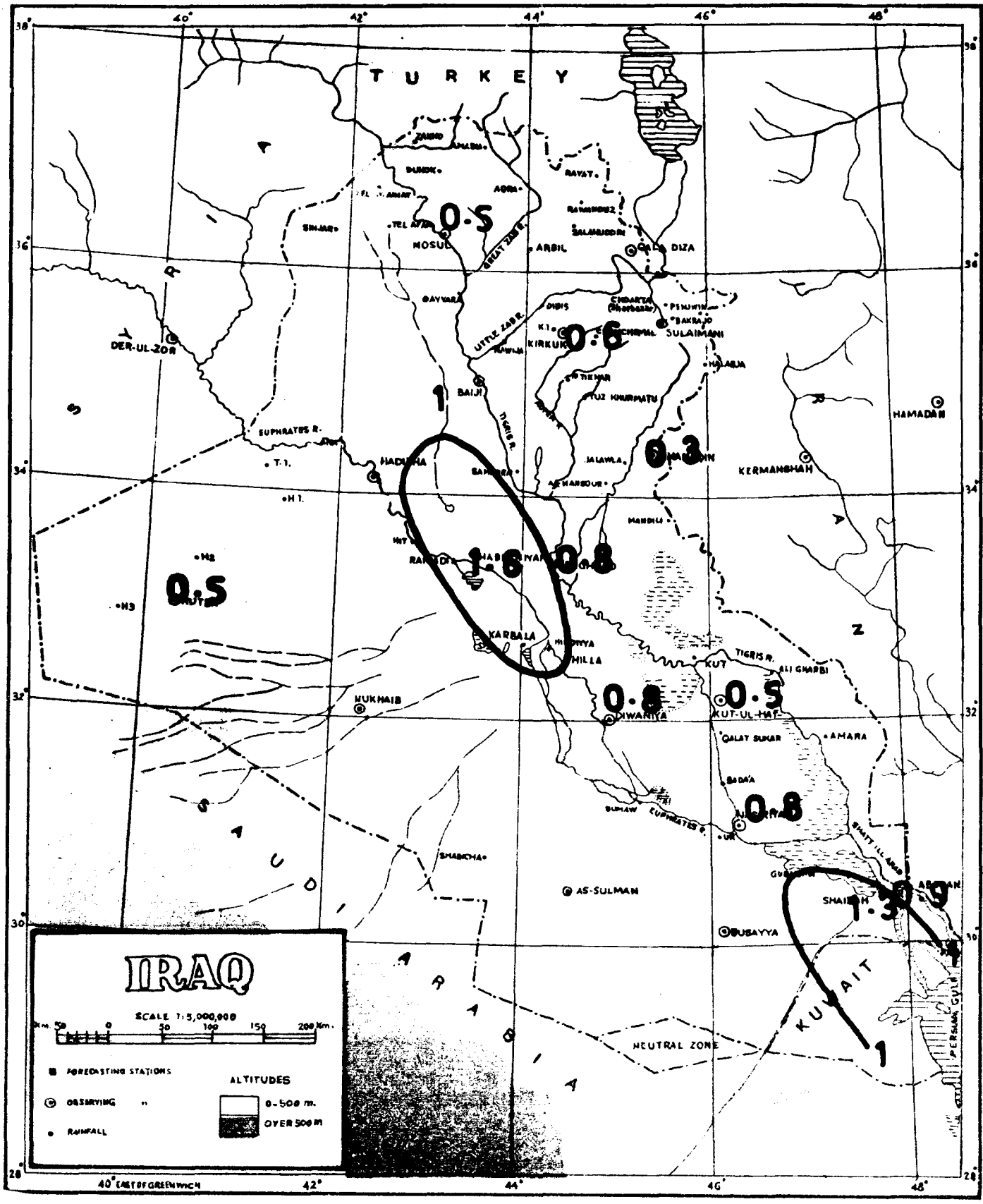
SURVEY PRESS, BAGHDAD.

THUNDERSTORM

Mean Monthly Number of Days with Thunderstorm

period of records see page 2/3

DECEMBER

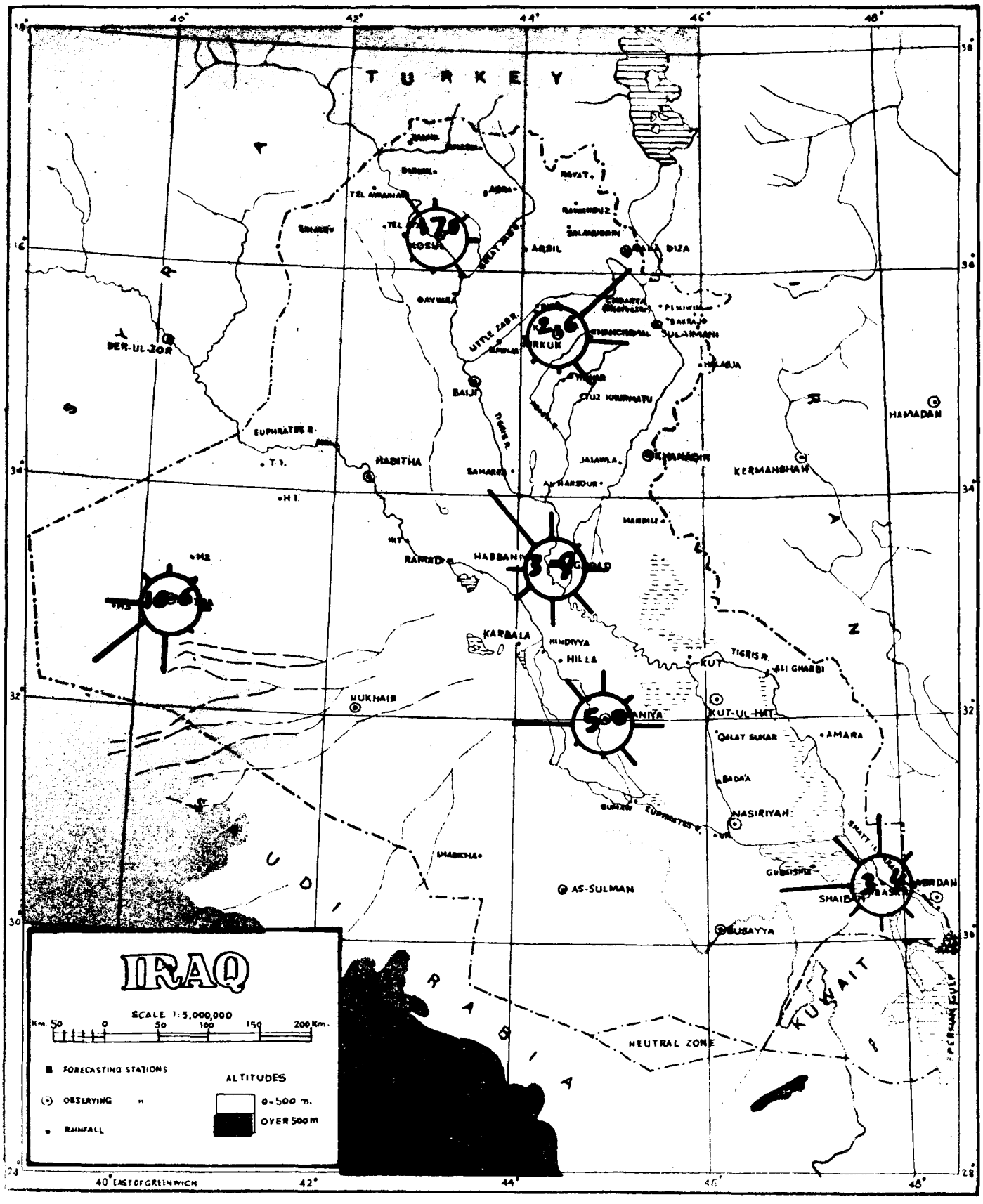


SURVEY PRESS. BAGHDAD

WIND
Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

JANUARY 0300 GMT

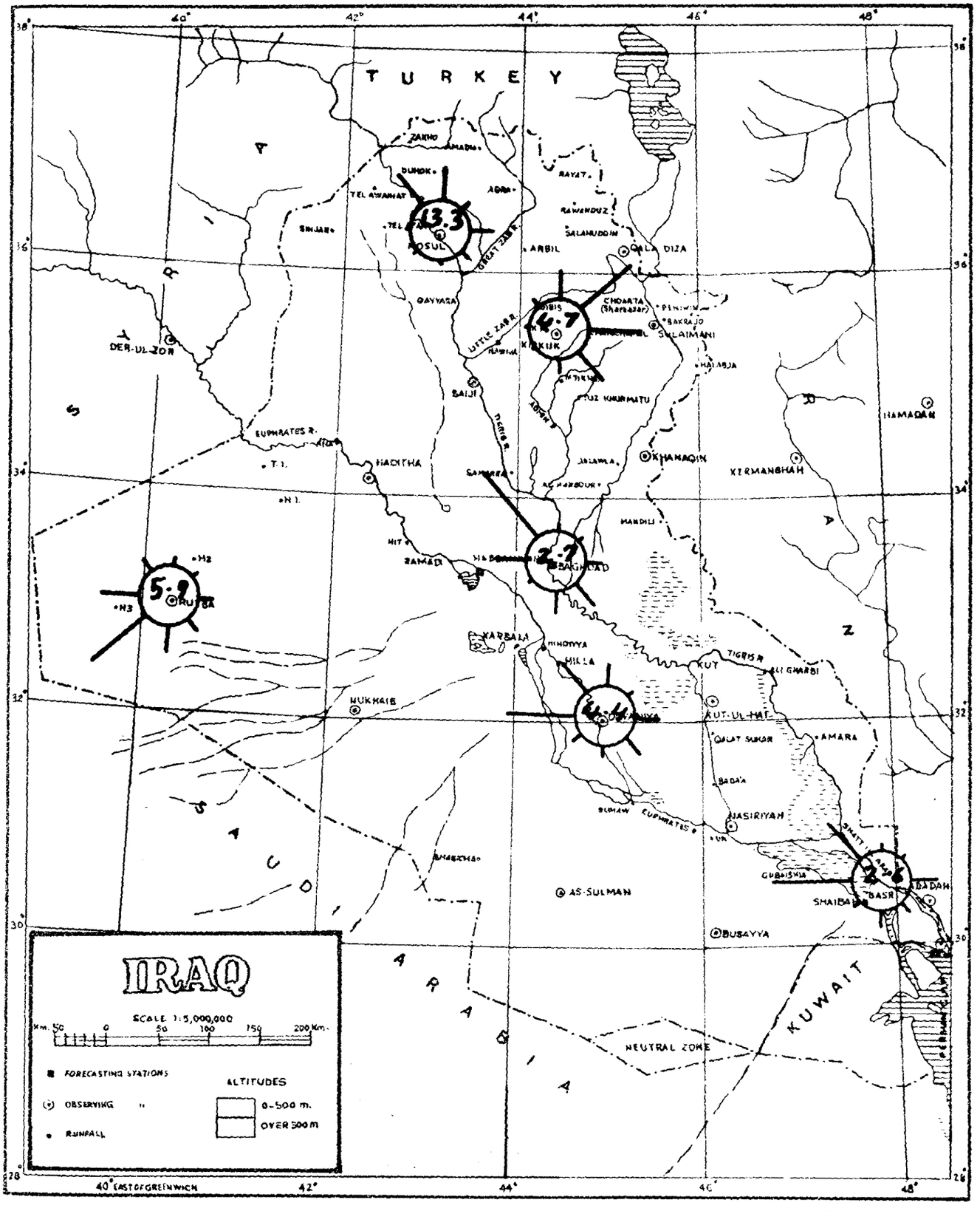


The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND

Average Frequency from Specified Directions for some selected stations period of records see page 2/3

January 0600 GMT.



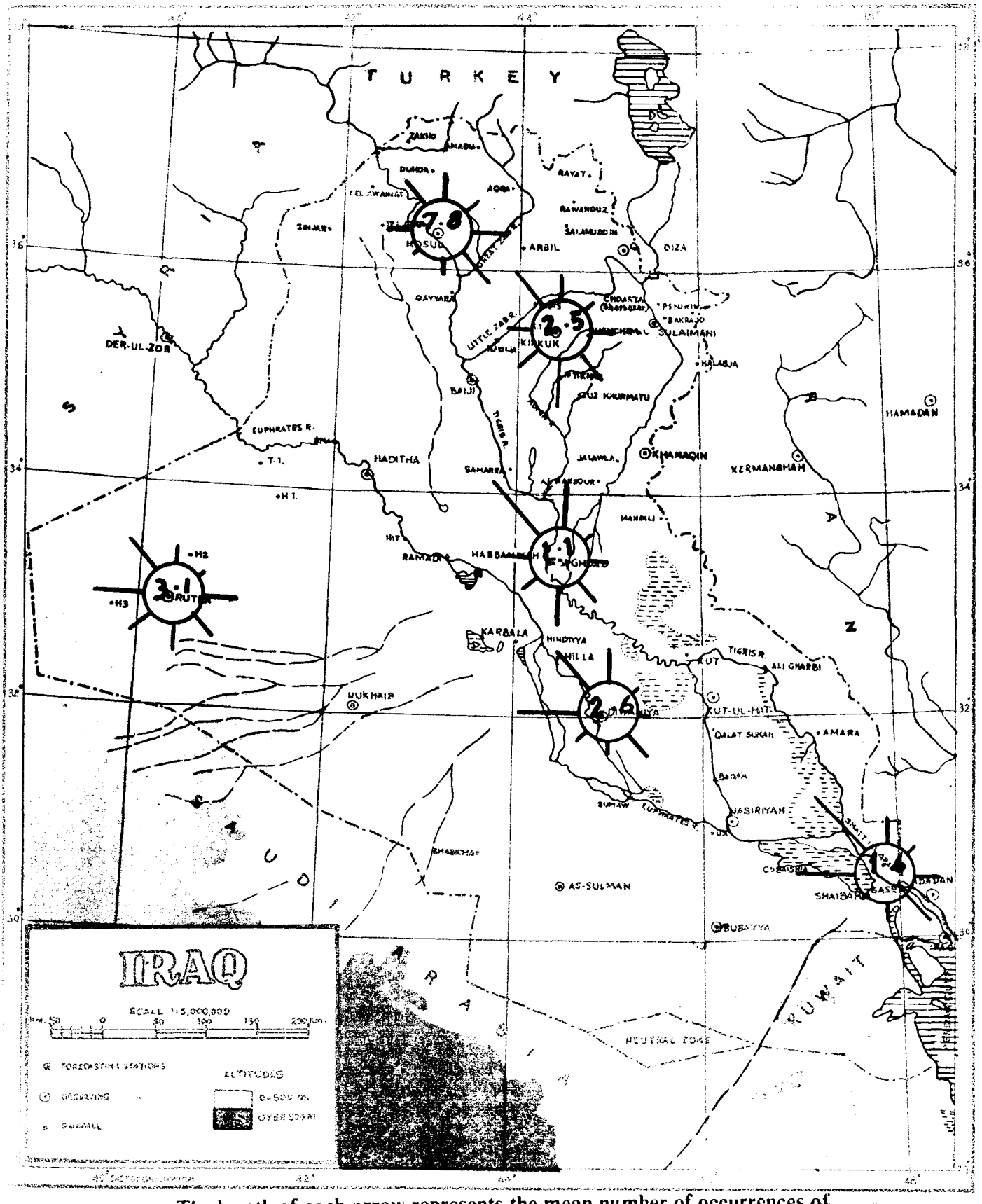
The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

SURVEY PRESS BAGHDAD

WIND

Average frequency from Specified Directions
period of records see page 2/3

JANUARY 1200 GMT.



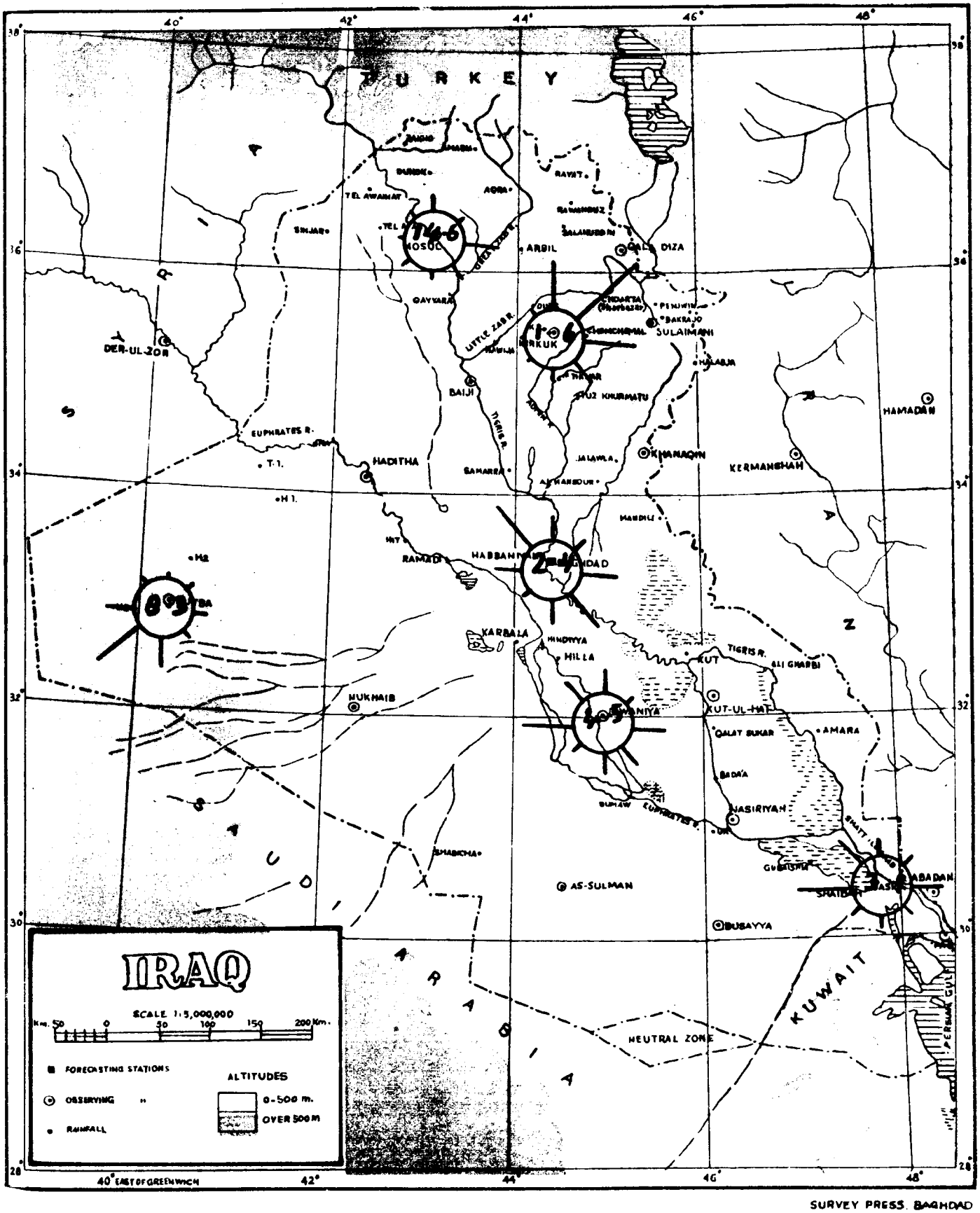
The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

SURVEY PRESS BAGHDAD

WIND
Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

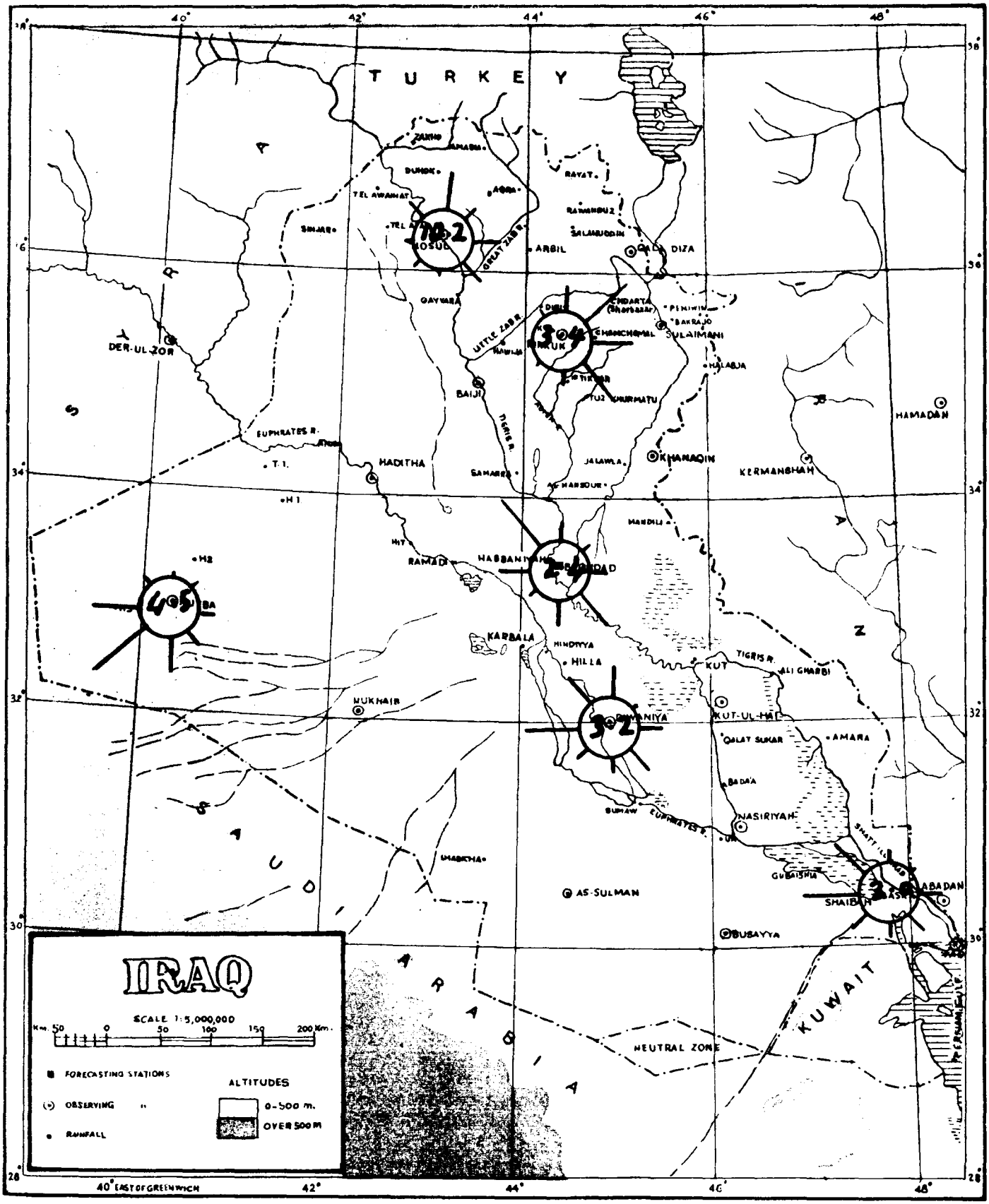
February 0300 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

FEBRUARY 0600 GMT.



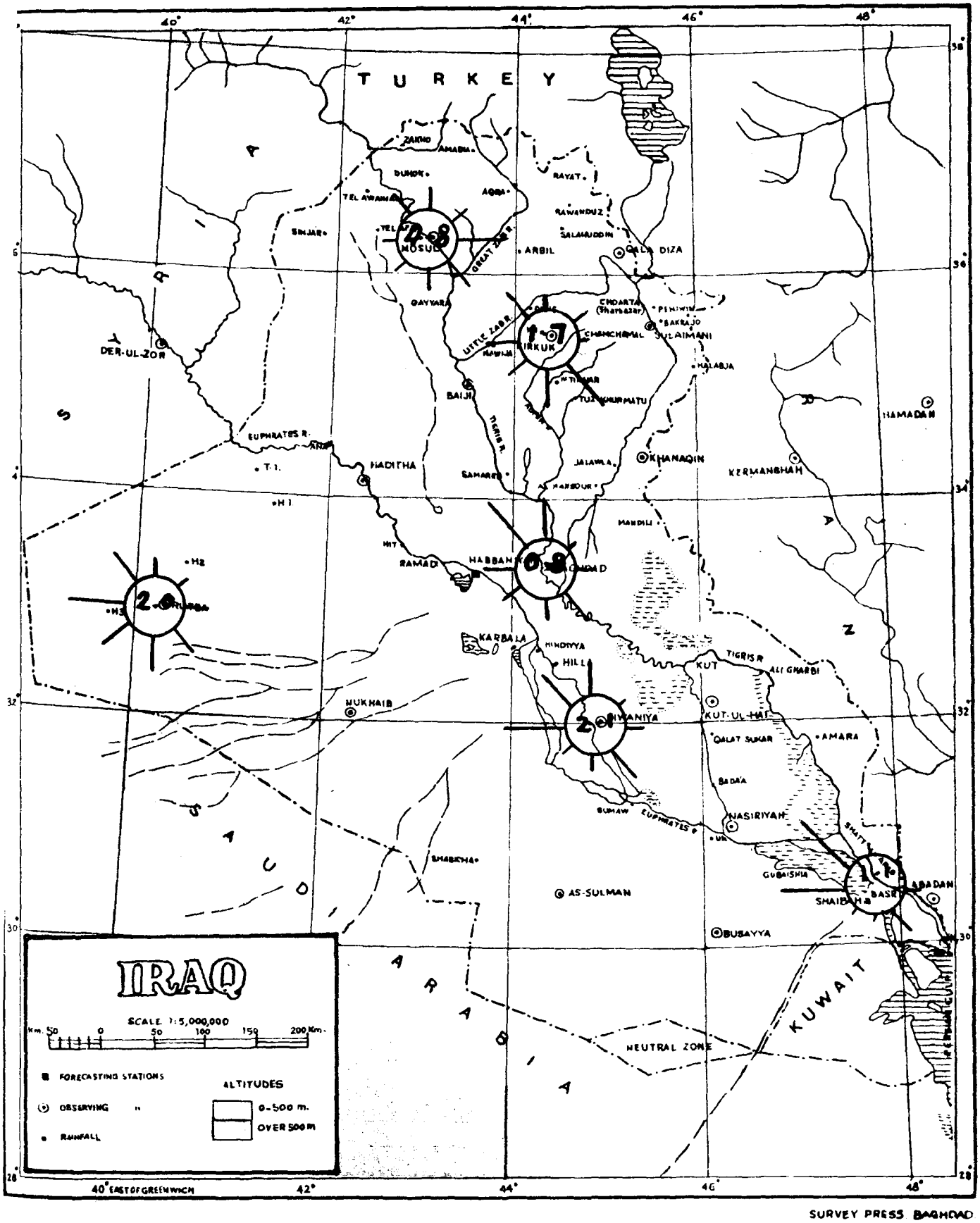
The length of each arrow represents the mean Number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows without wind.

WIND

Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

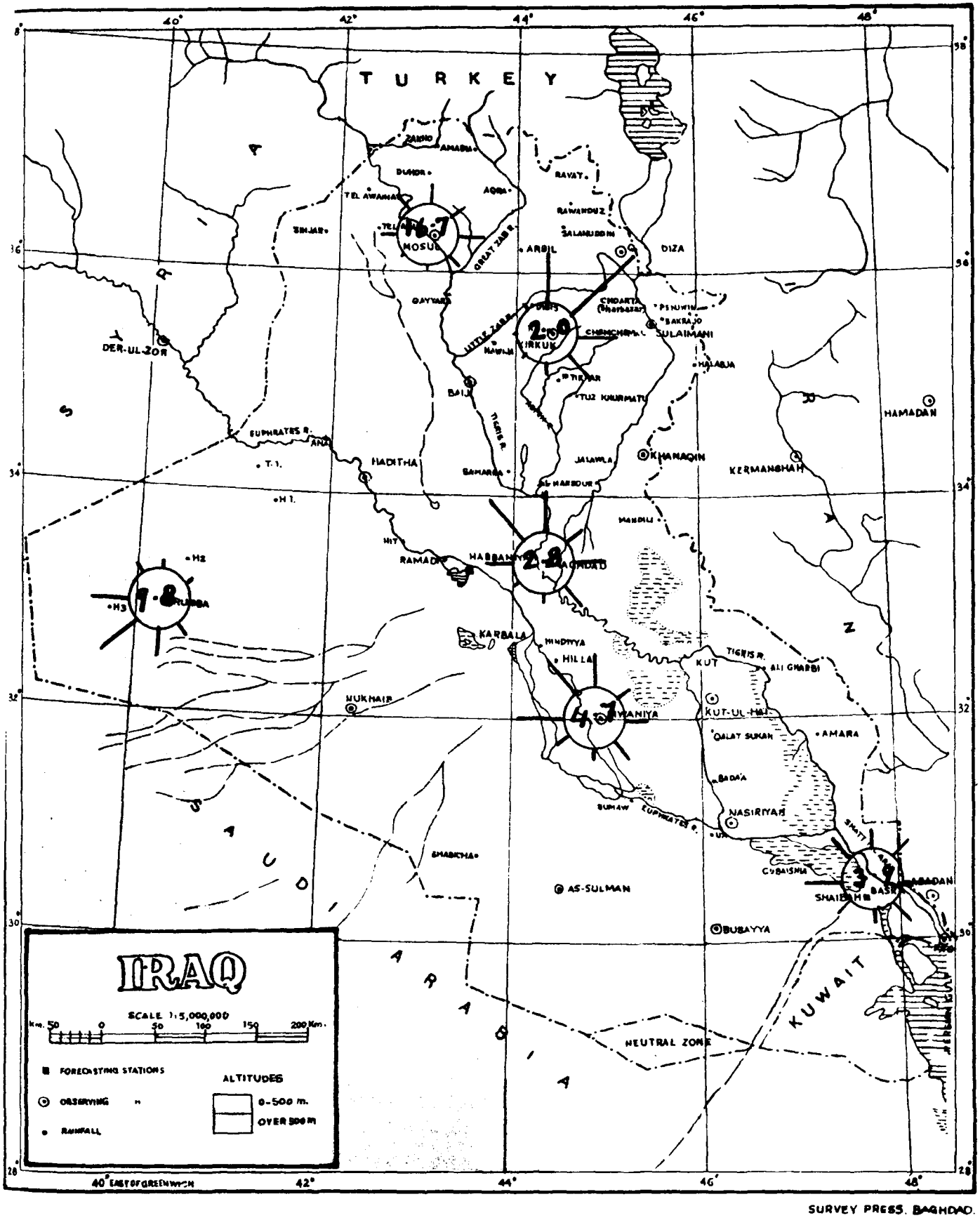
FEBRUARY 1200 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

MARCH 0300 GMT.



SURVEY PRESS, BAGHDAD.

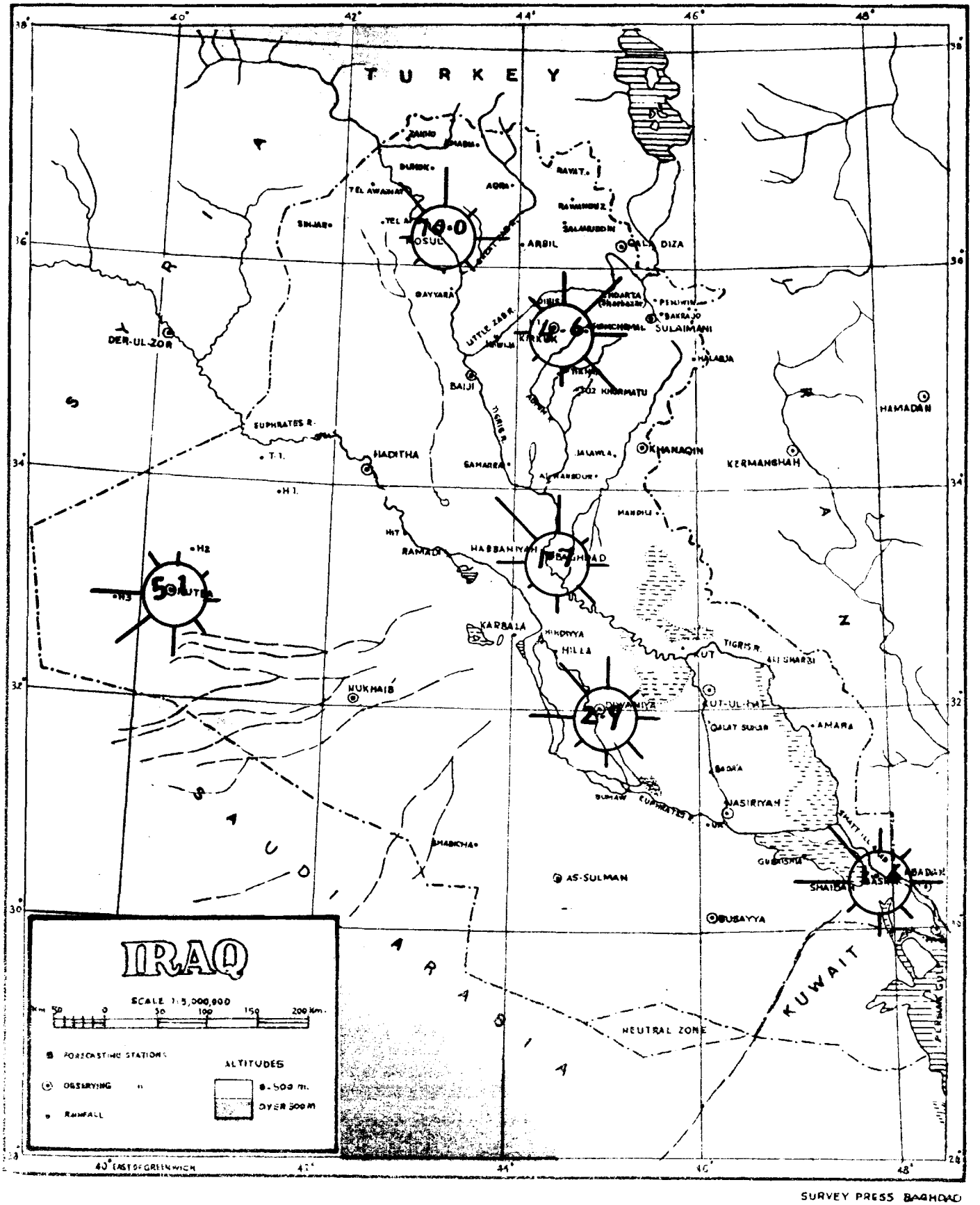
The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND

Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

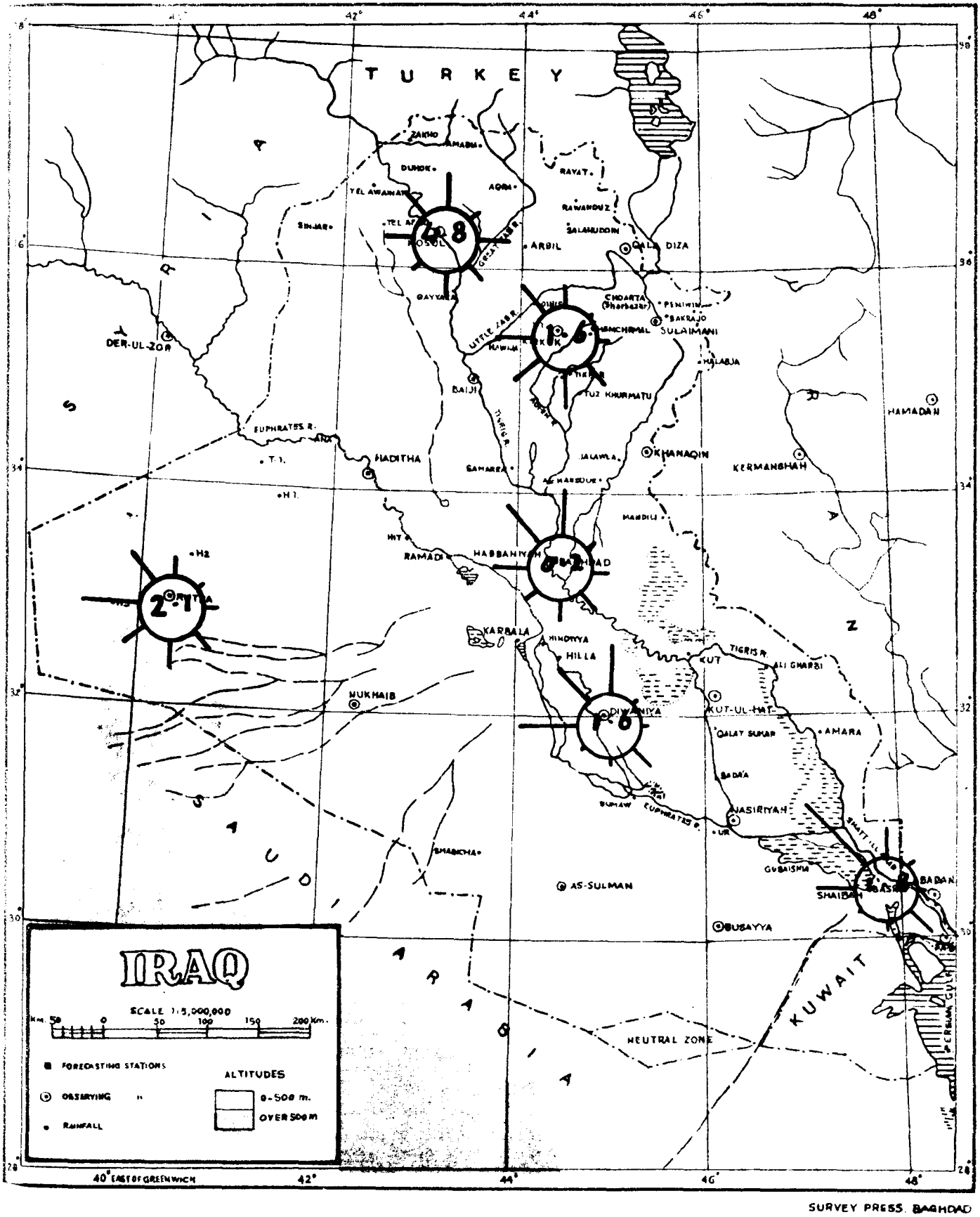
MARCH 0600 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

MARCH 1200 GMT.

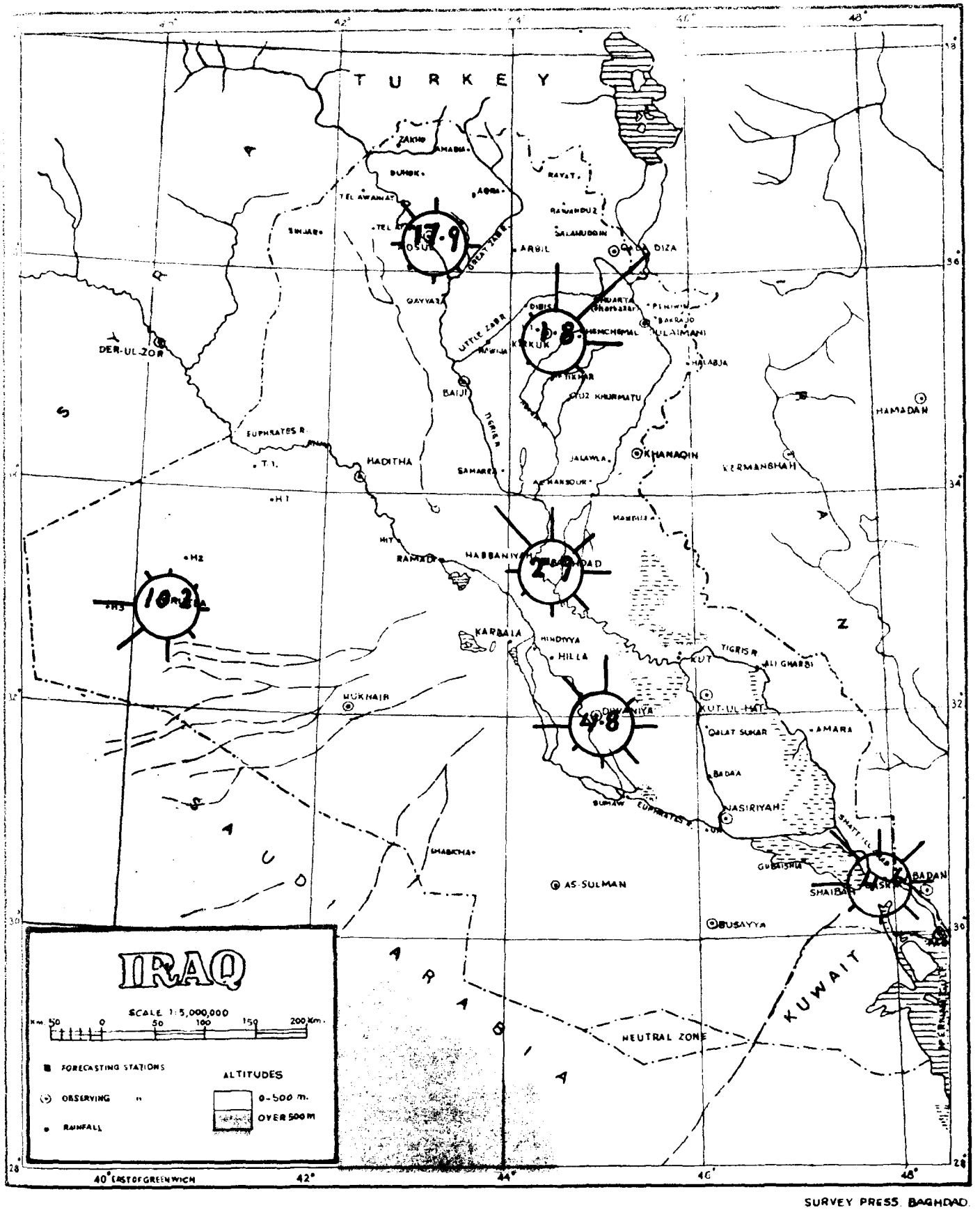


SURVEY PRESS. BAGHDAD

The length of each arrow represents the mean number of occurreuces of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

APRIL 0300 GMT.

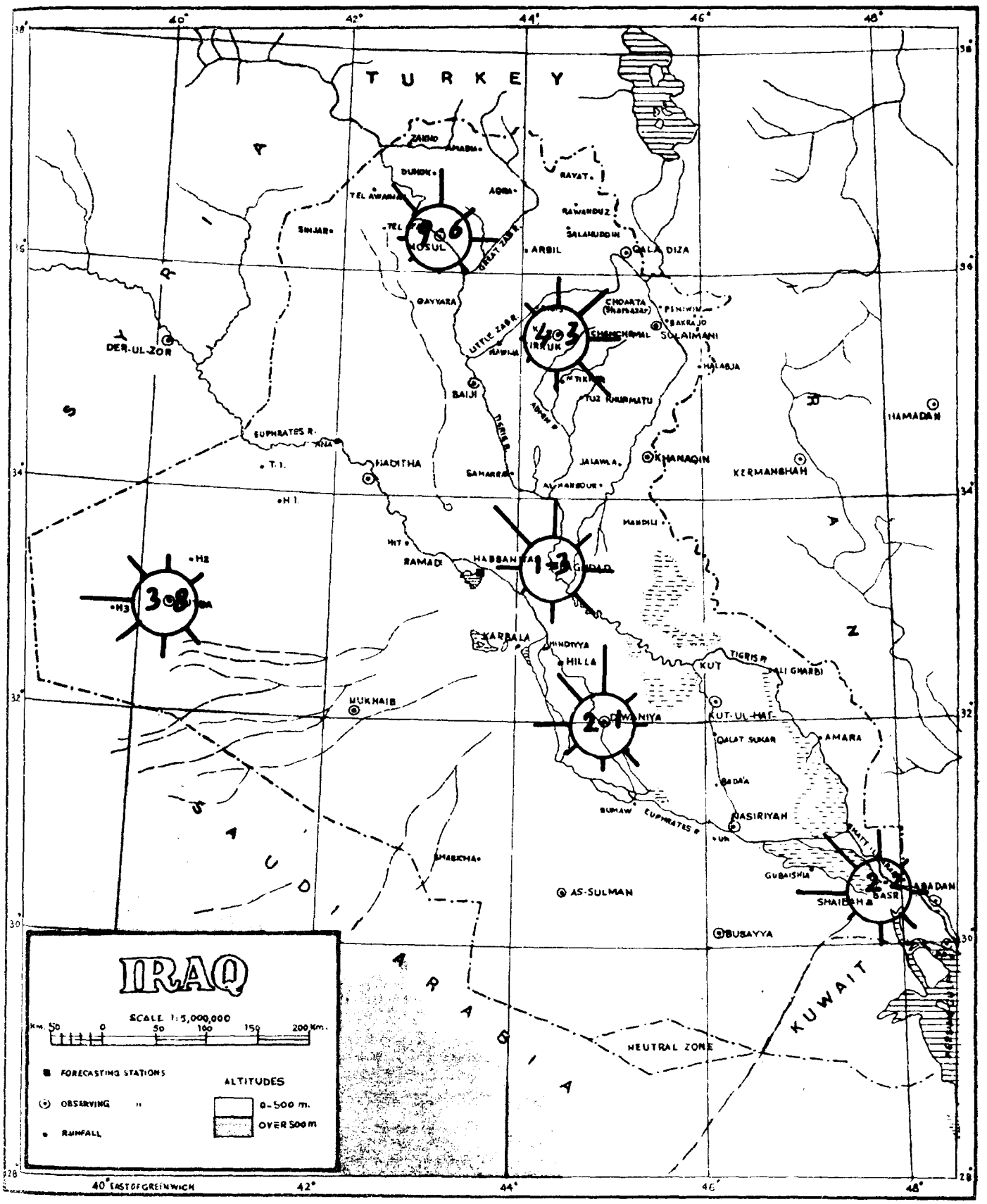


SURVEY PRESS. BAGHDAD.

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

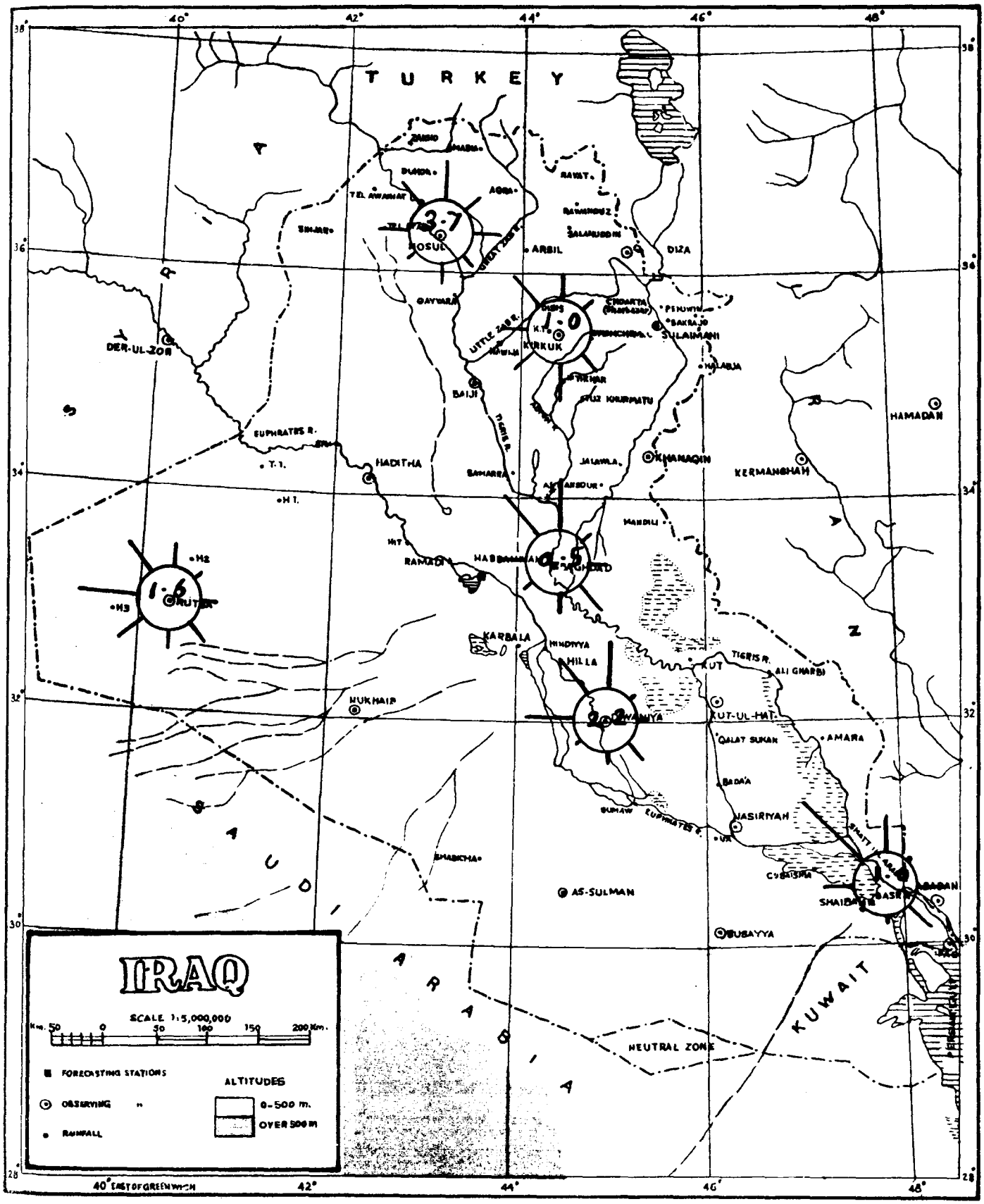
APRIL 0600 GMT



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

APRIL 1200 GMT

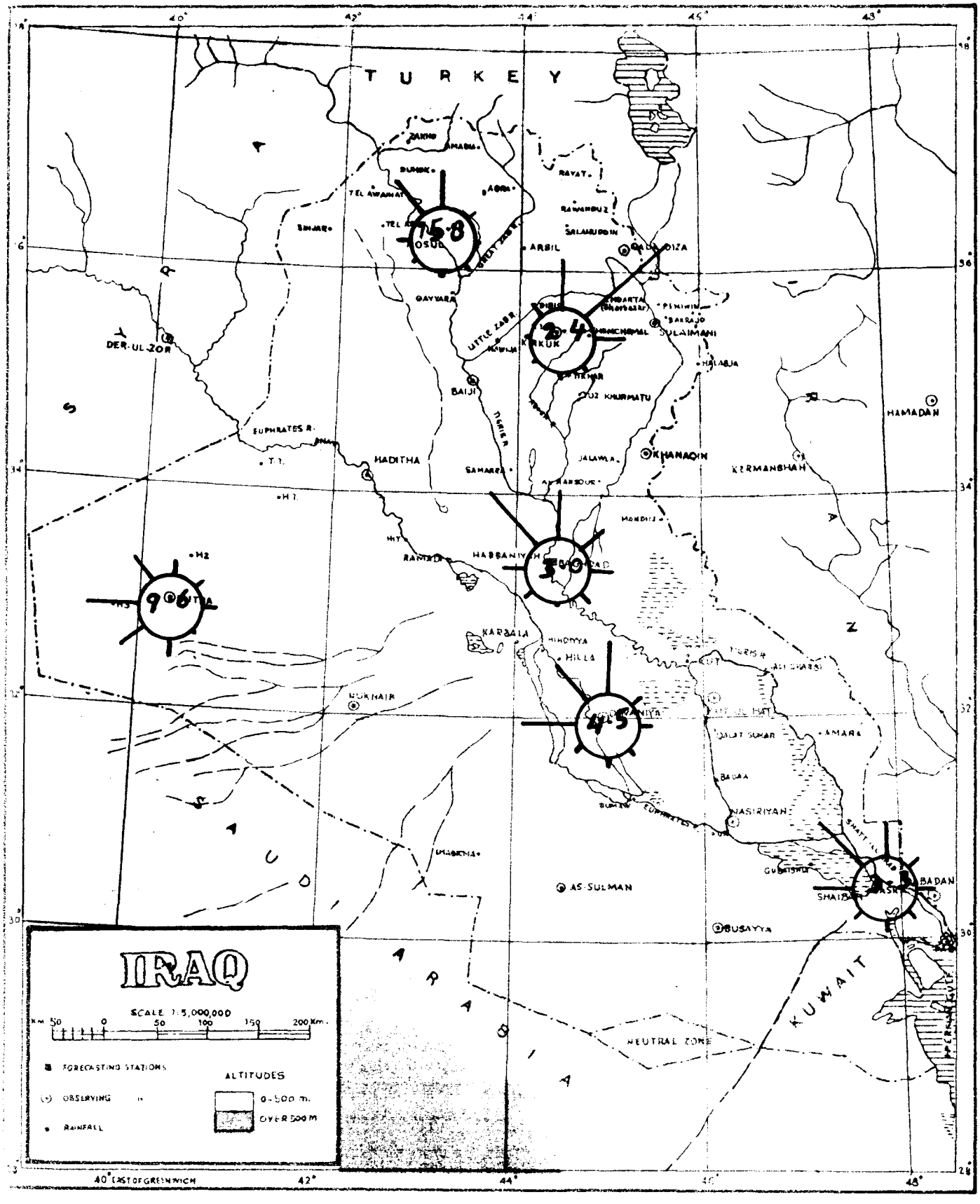


SURVEY PRESS. BAGHDAD.

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

MAY 0300 GMT.

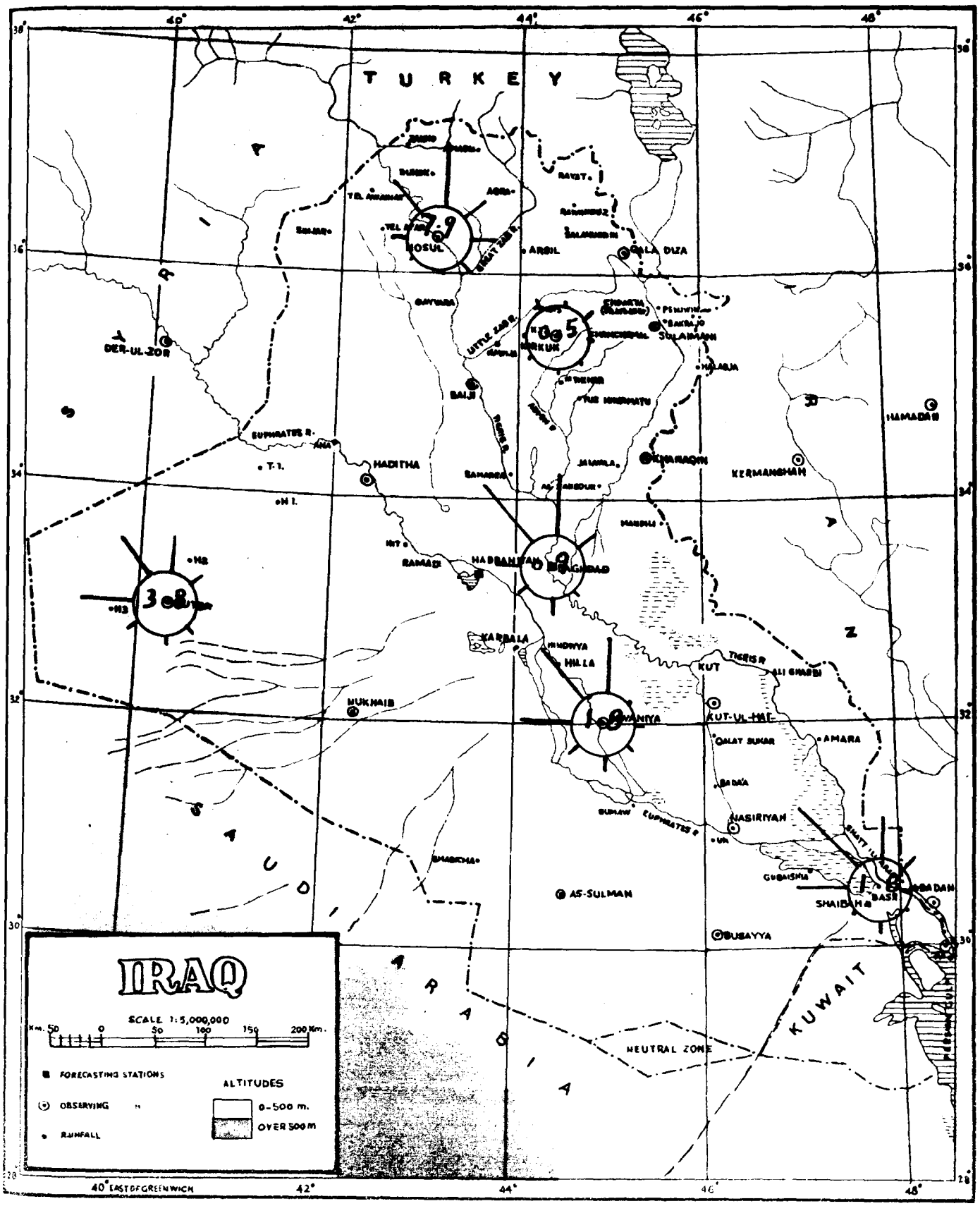


SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

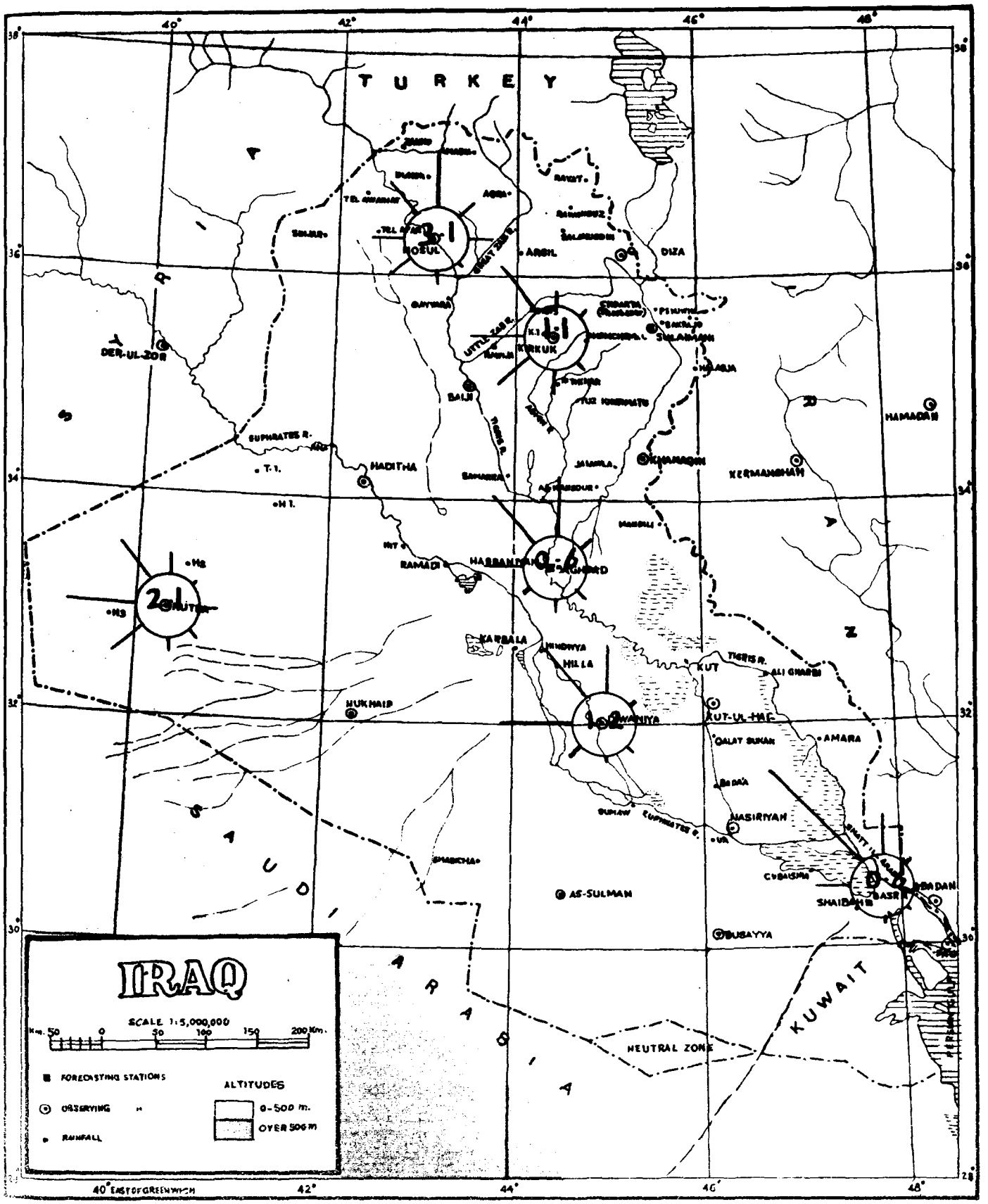
MAY 0600 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

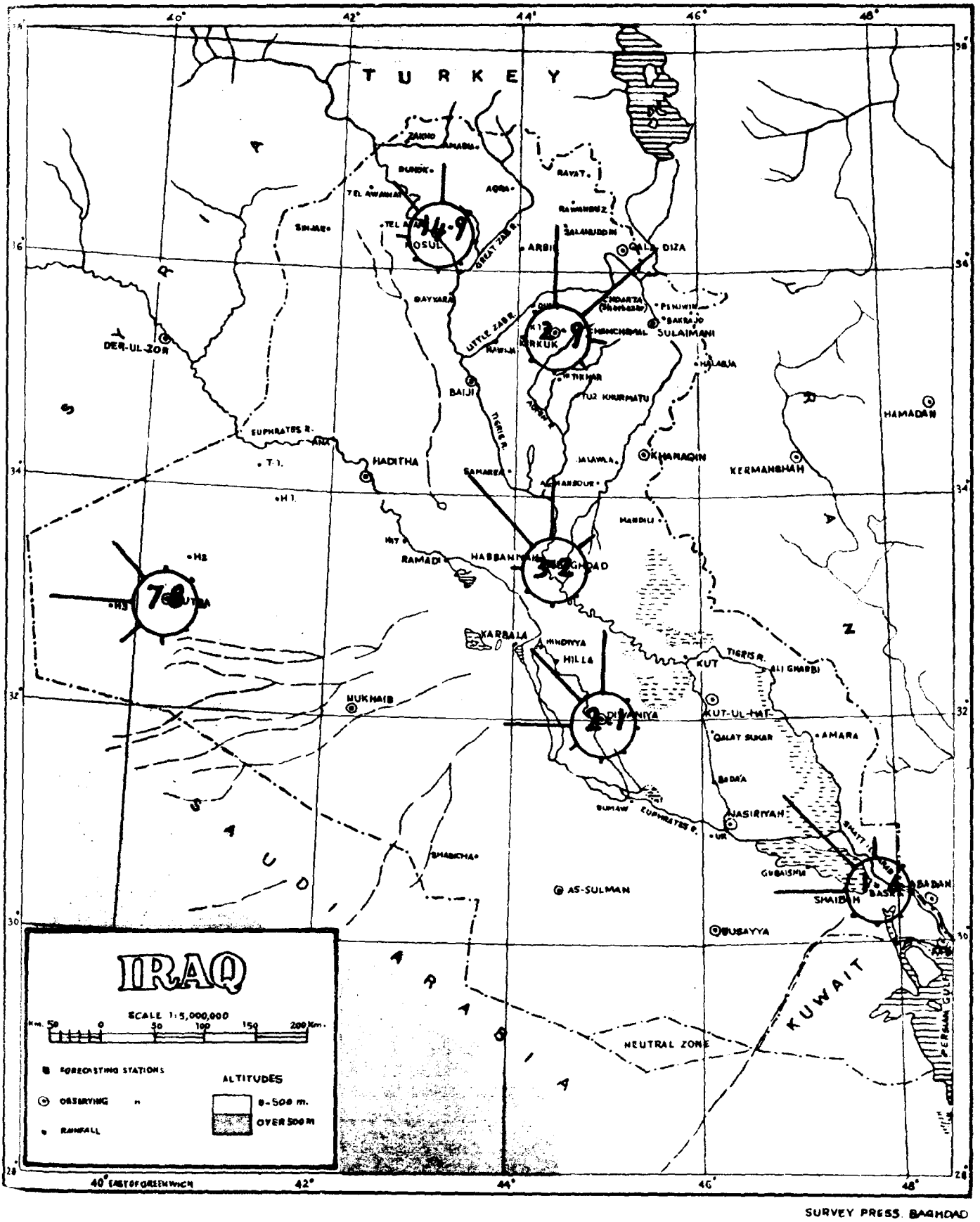
MAY 1200 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

JUNE 0300 GMT.

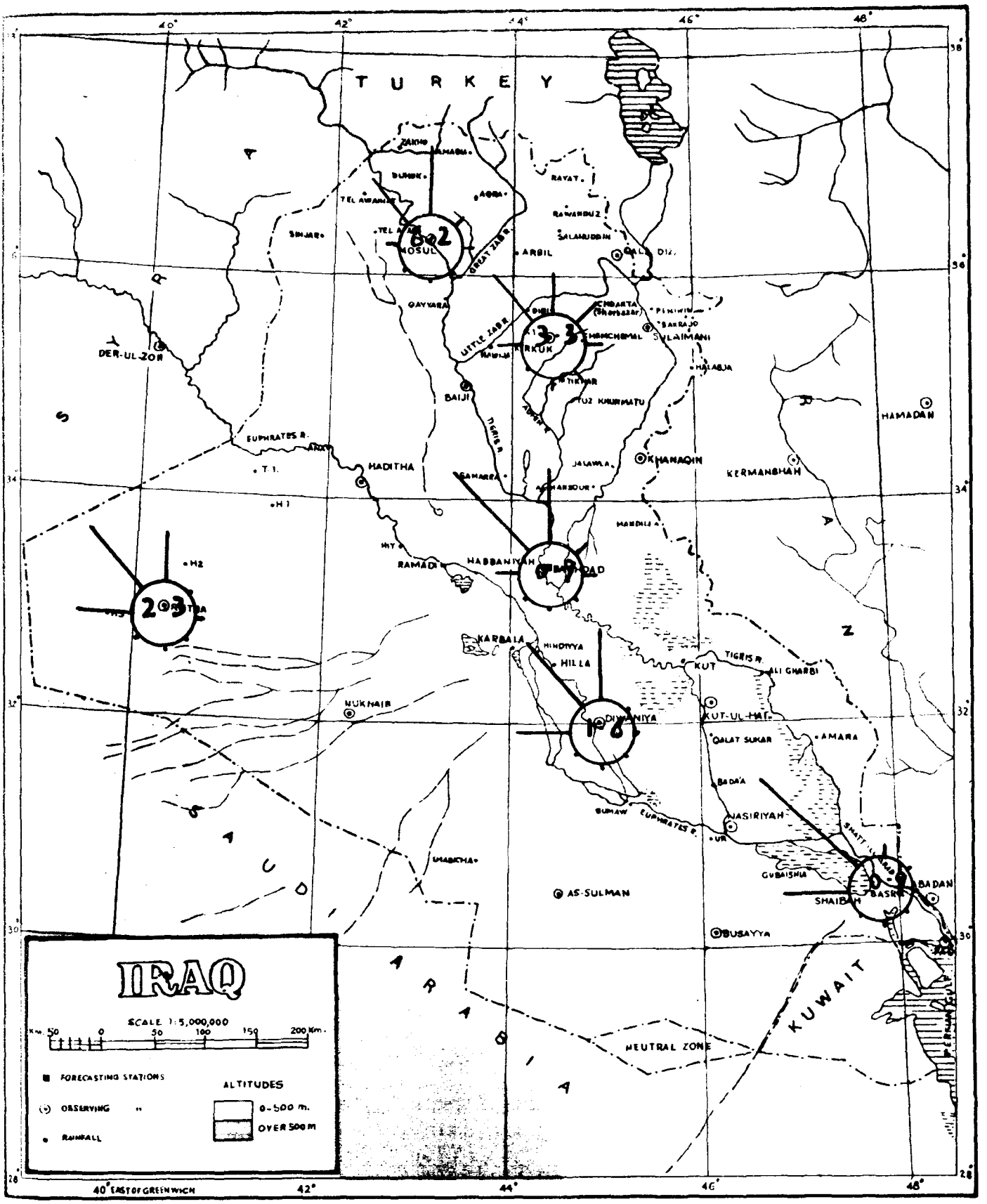


The length ot each arrow represents the mean number of occurrences of that particolar wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind,

WIND

Average Frequency from Specified Directions
for some selected stations
period of records see page 2 3

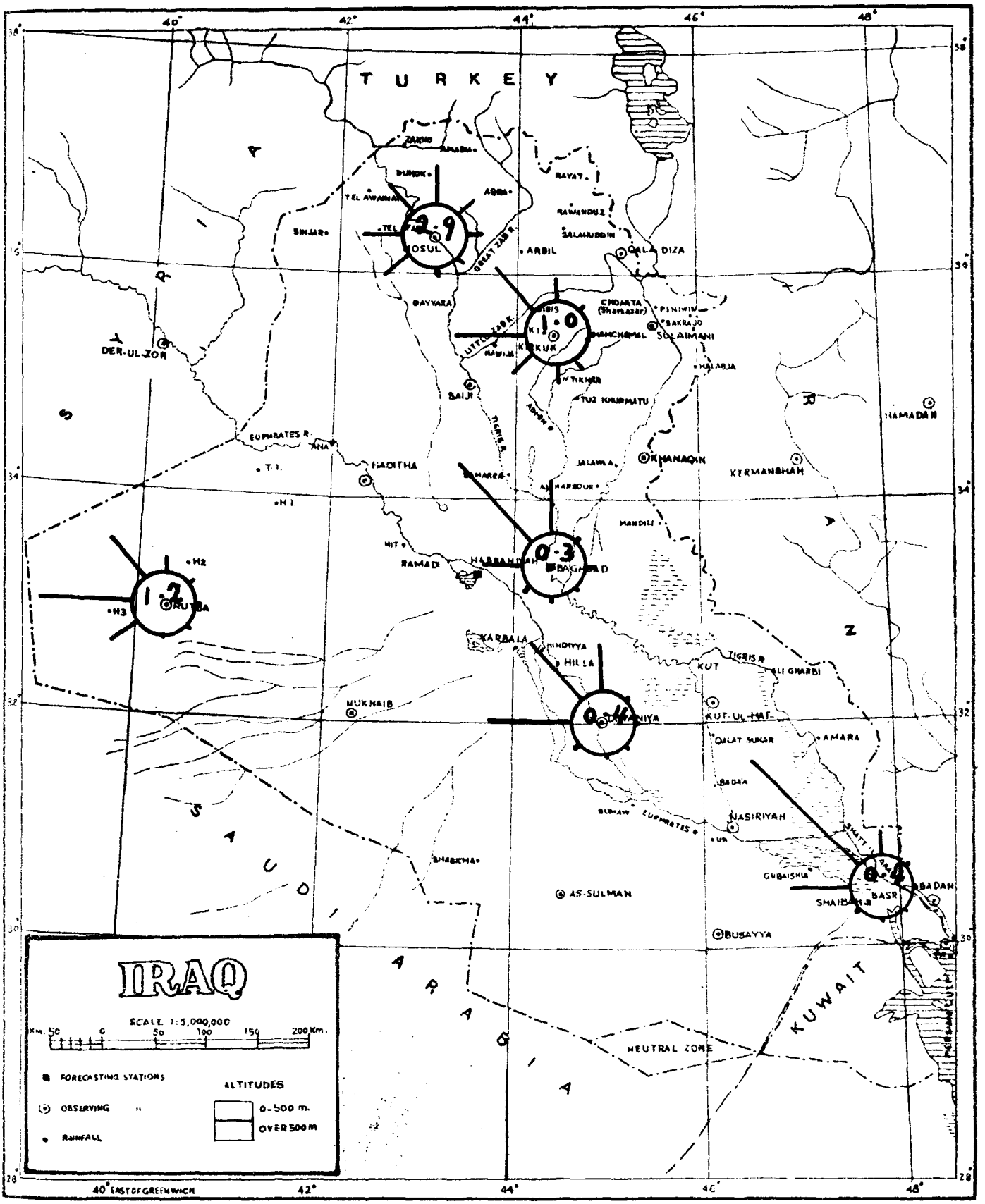
JUNE 0600 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

JUNE 1200 G MT

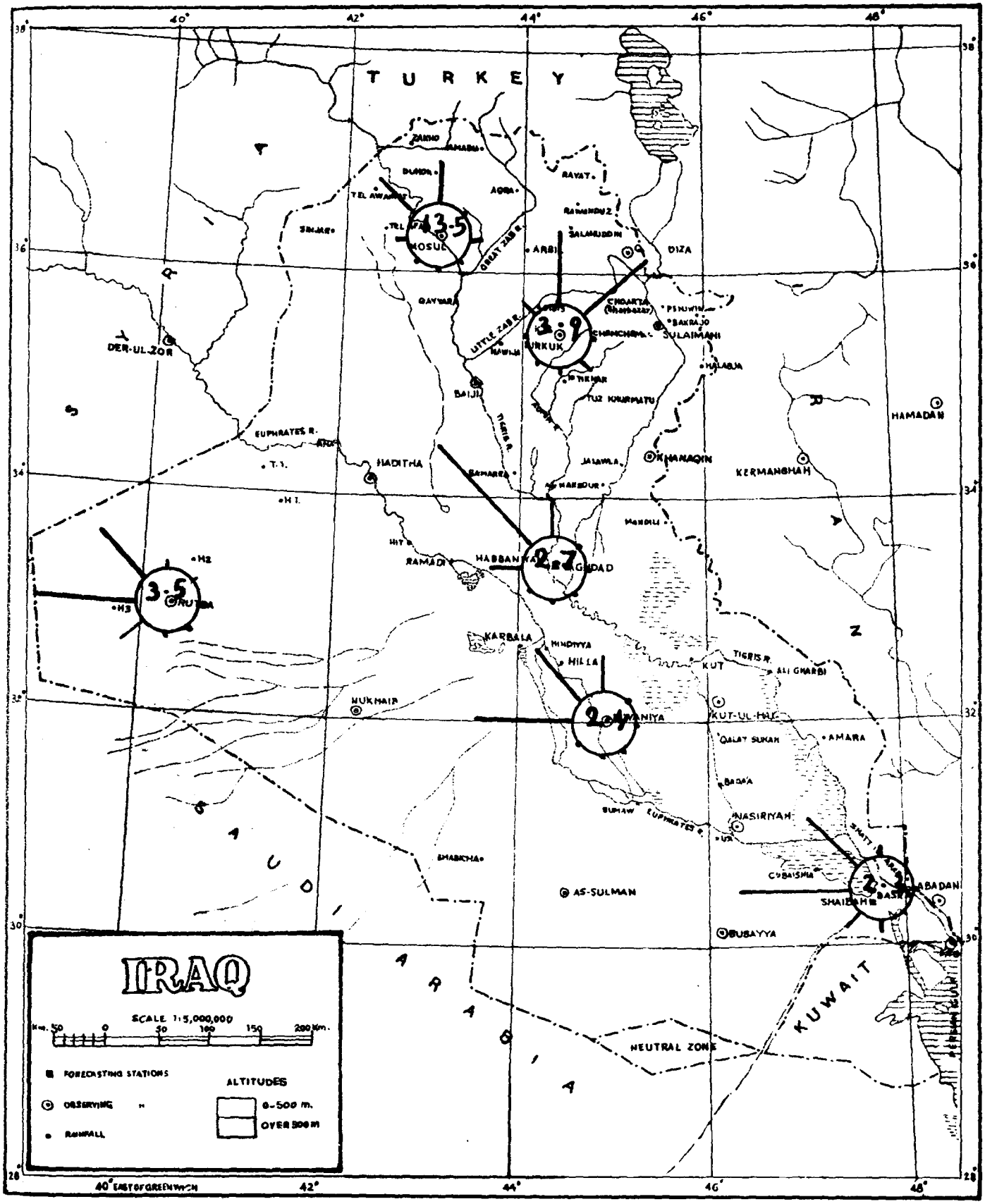


SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

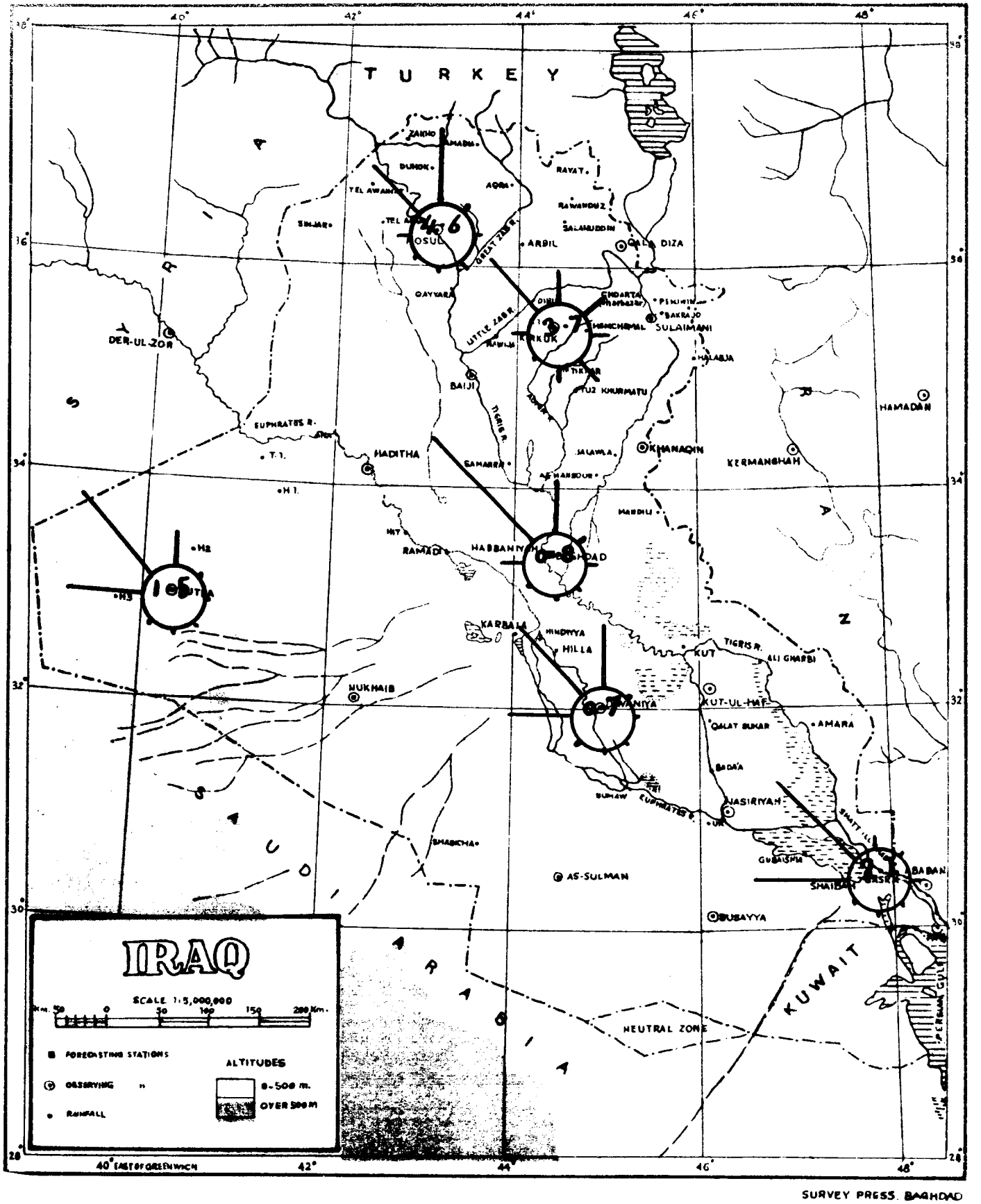
JULY 0300 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the case without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

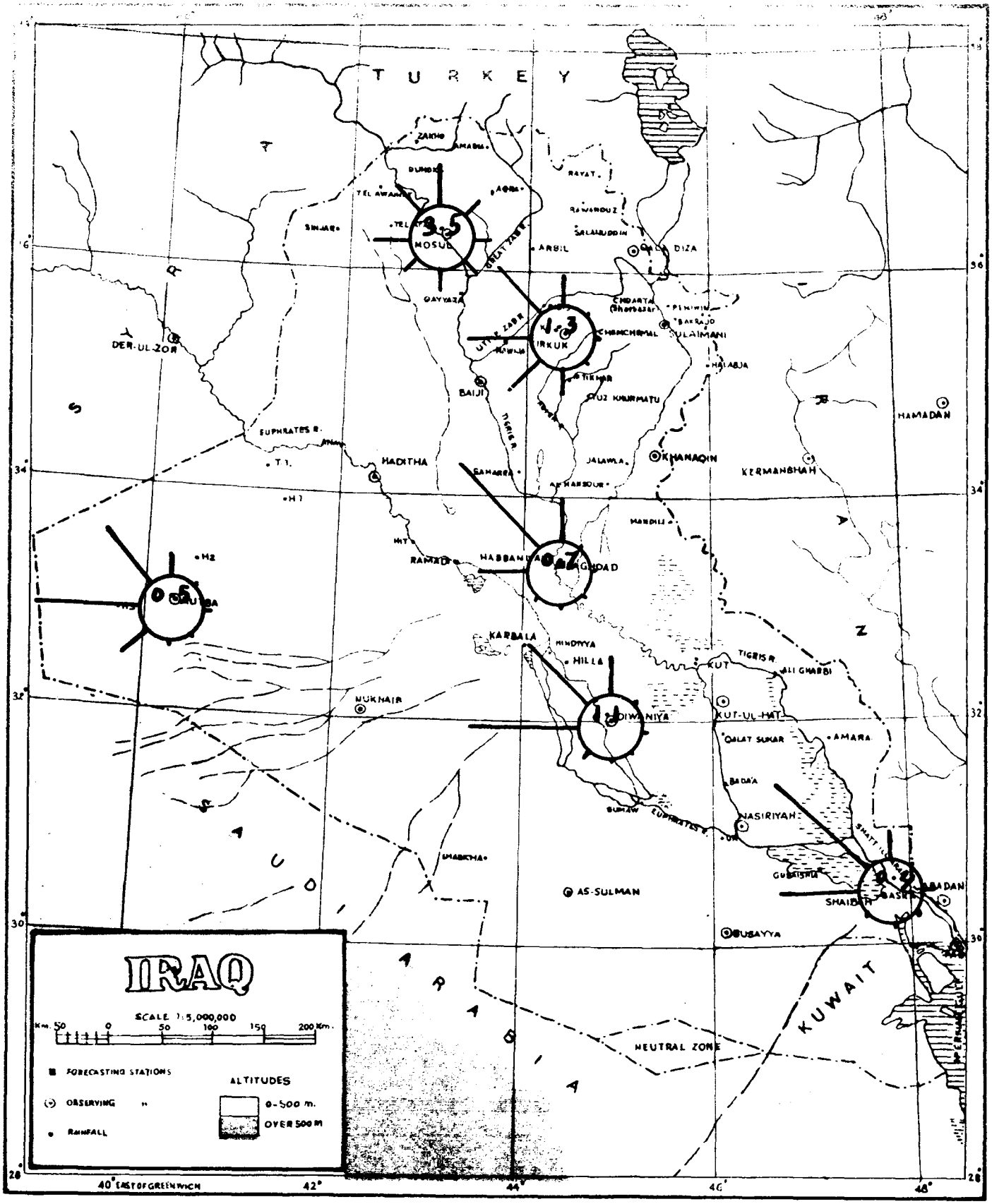
JULY 0600 GMT.



The length of each arrow represents the mean uumber of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

JULY 1200 GMT.

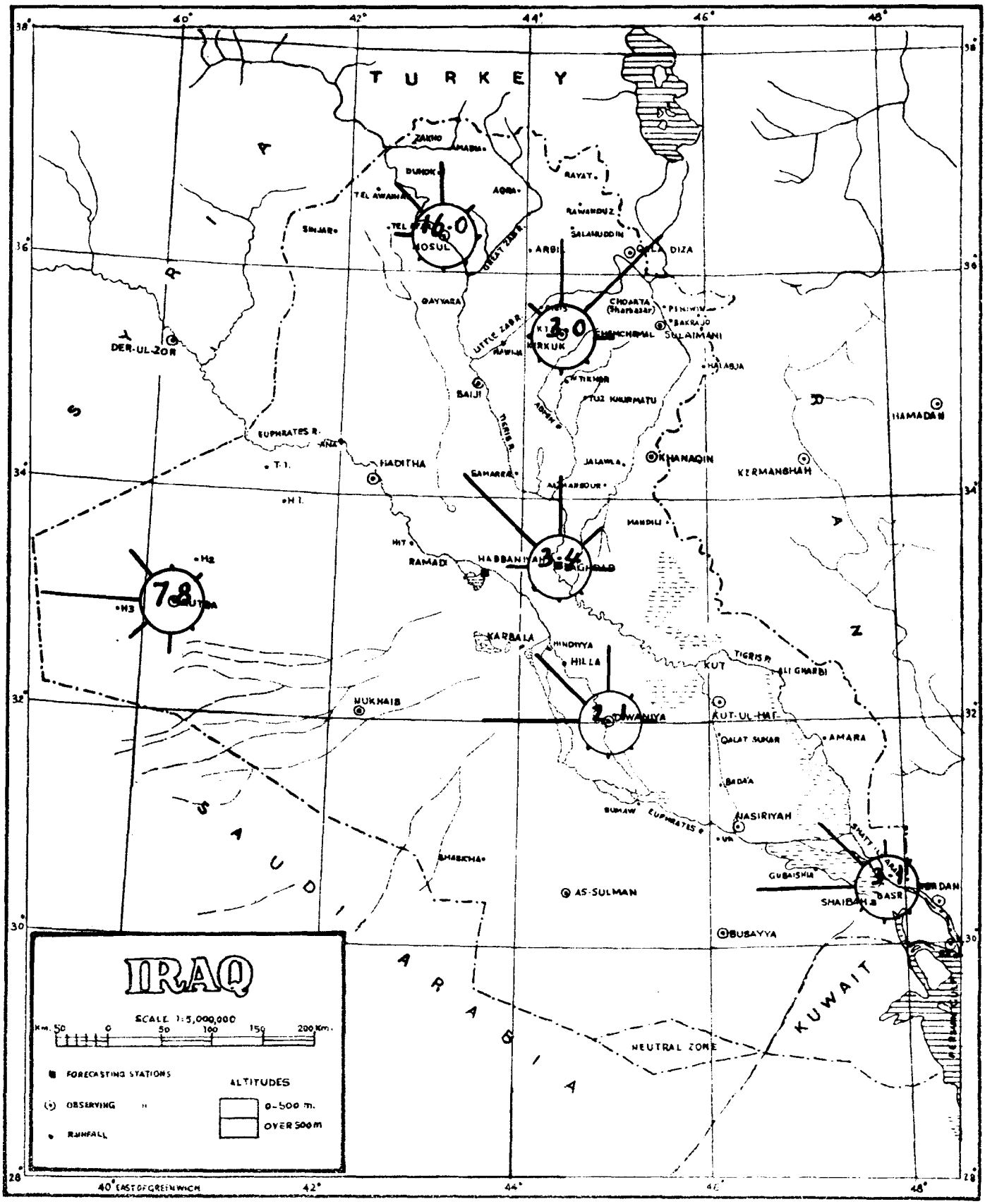


SURVEY PRESS. BAGHDAD.

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

AUGUST 0300 GMT

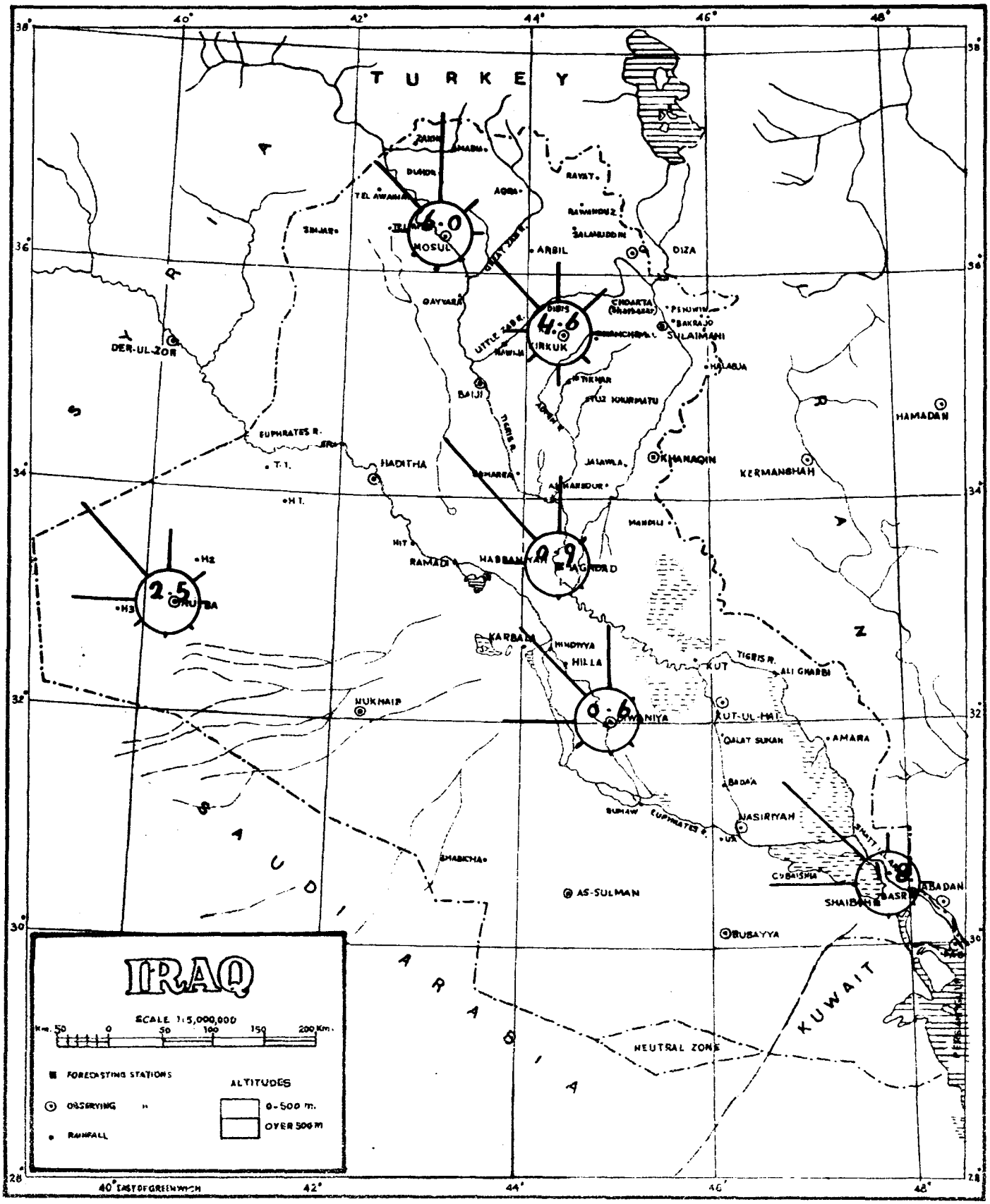


SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Direcitons for some selected stations
period of records see page 2/3

AUGUST 0600 GMT



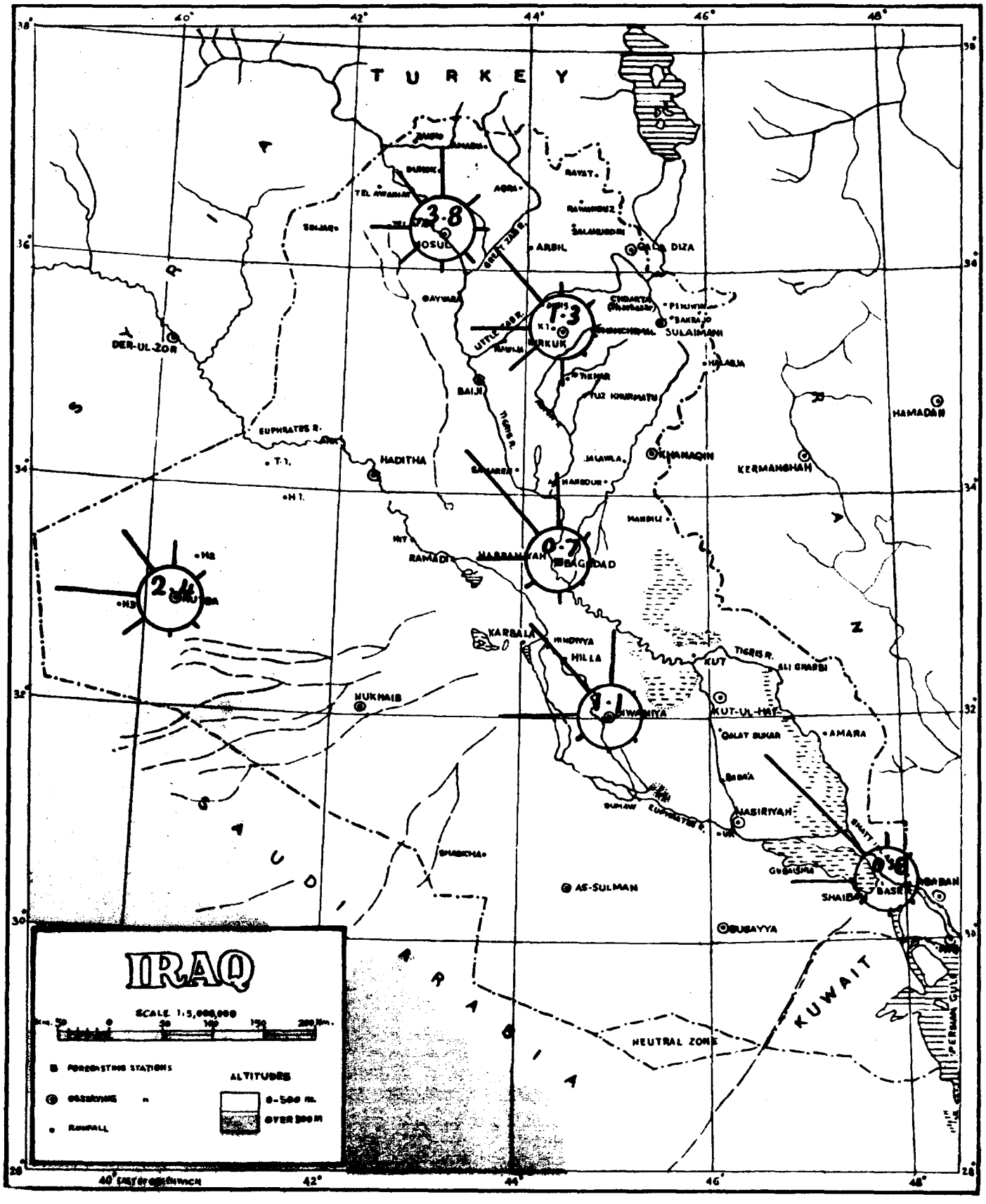
SURVEY PRESS. BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

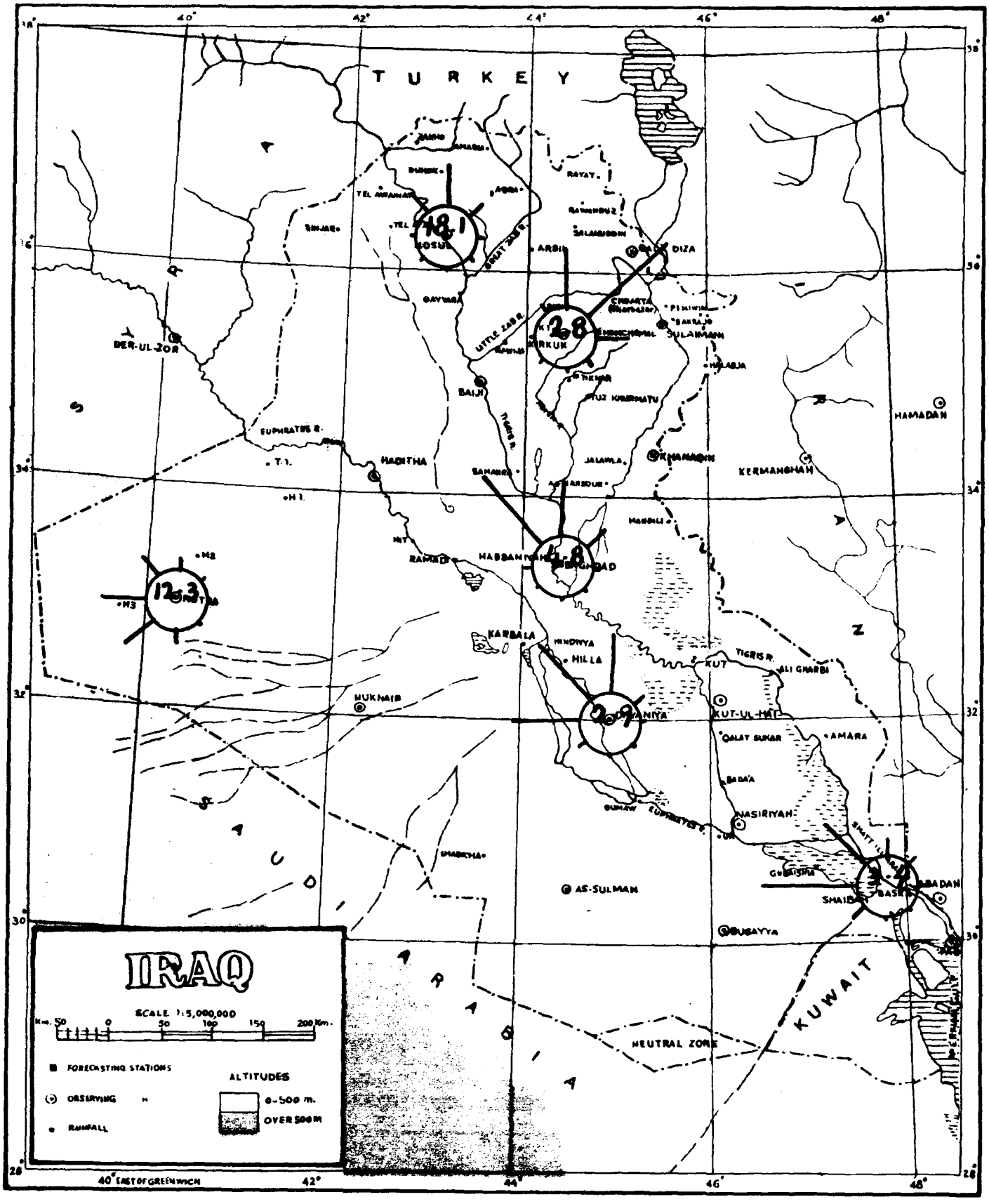
AUGUST 1200 GMT



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

SEPTEMBER 0300 GMT

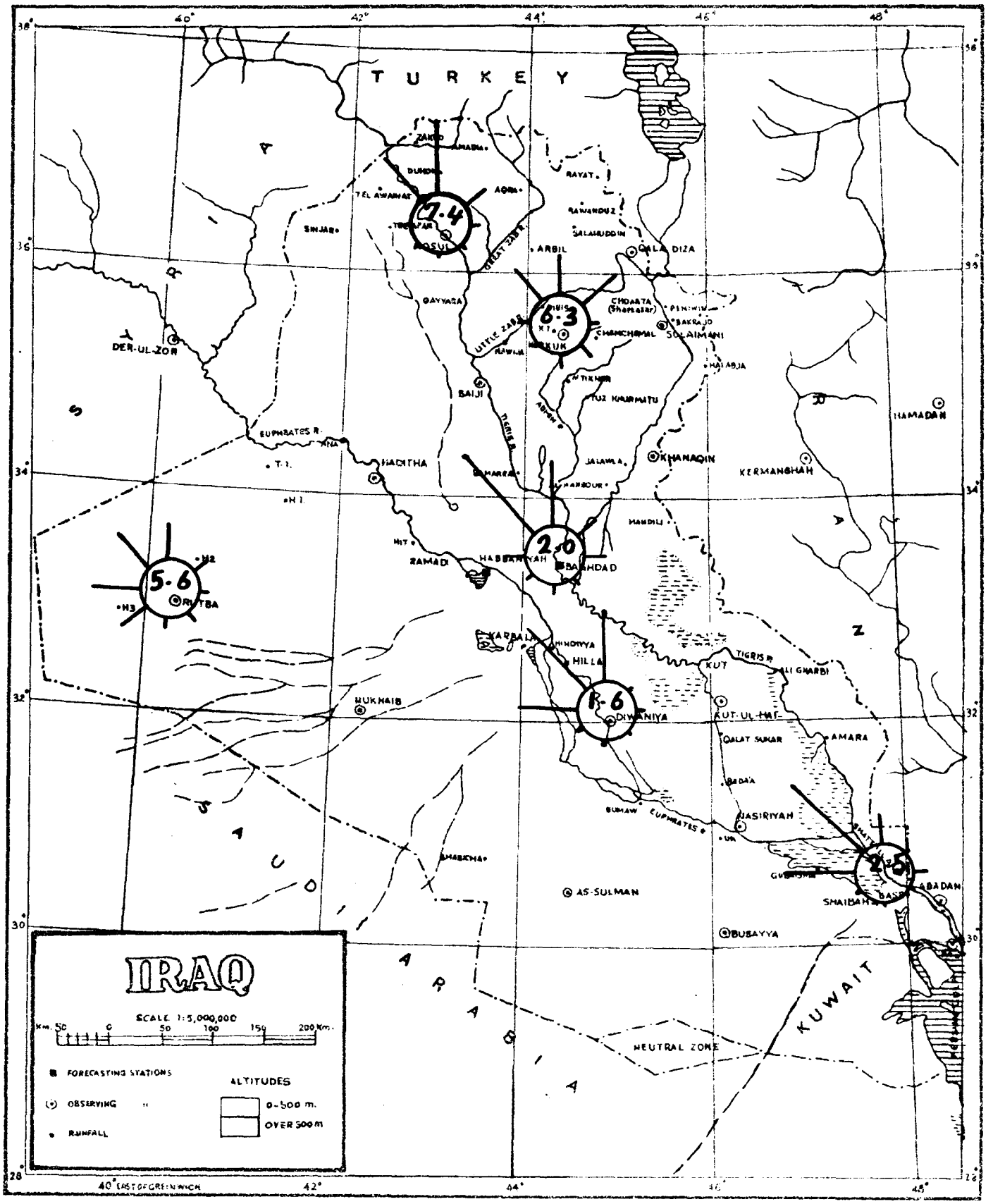


SURVEY PRESS, BAGHDAD.

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

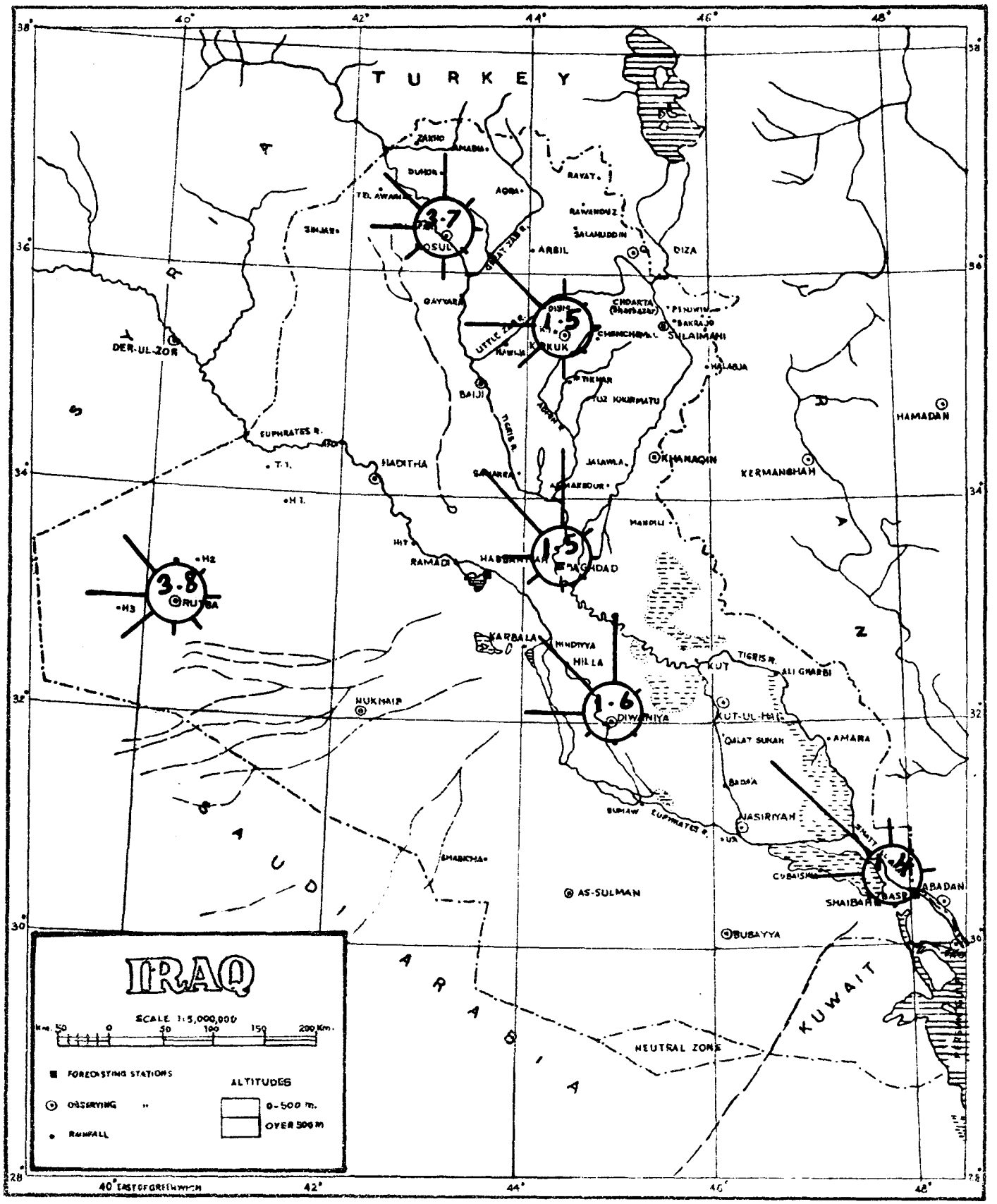
SEPTEMBER 0600 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected statious period of records see page 2/3

SEPTEMBER 1200 GMT



SURVEY PRESS BAGHDAD

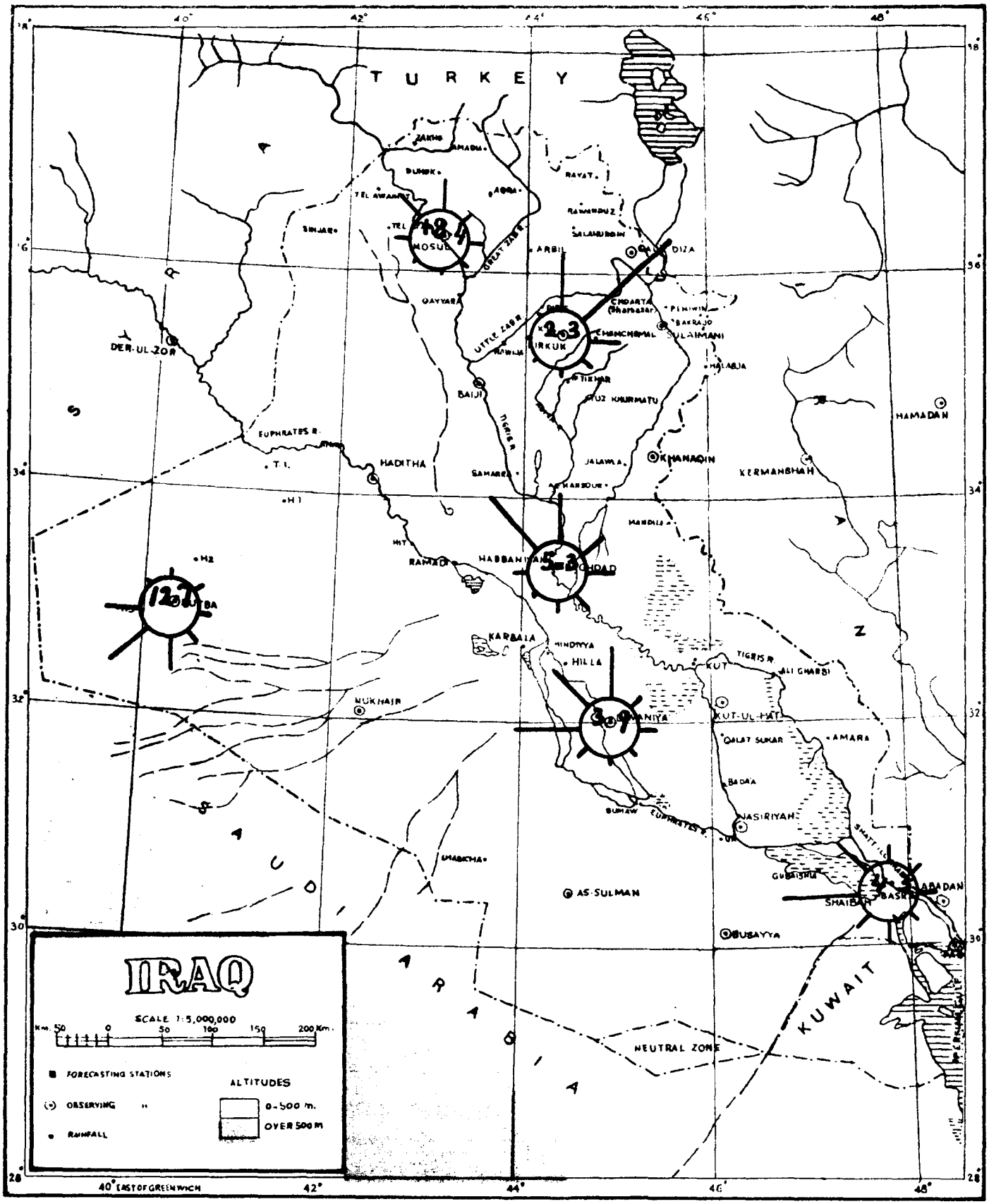
The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the case without wind.

WIND

Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

OCTOBER 0300 GMT



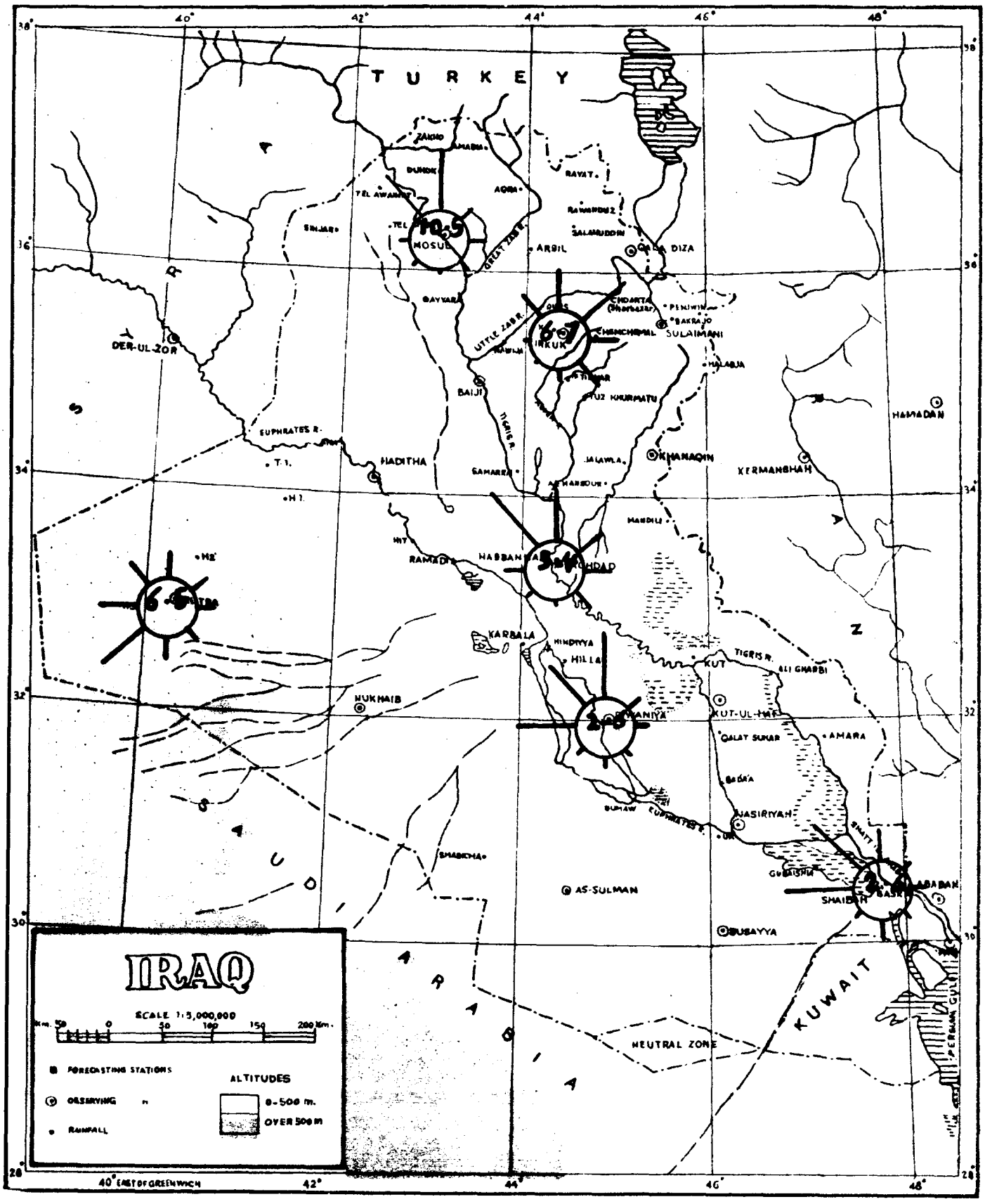
SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND

Average Frequency from Specified Directions
for some selected stations
period of records see page 2/3

OCTOBER 0600 GMT.

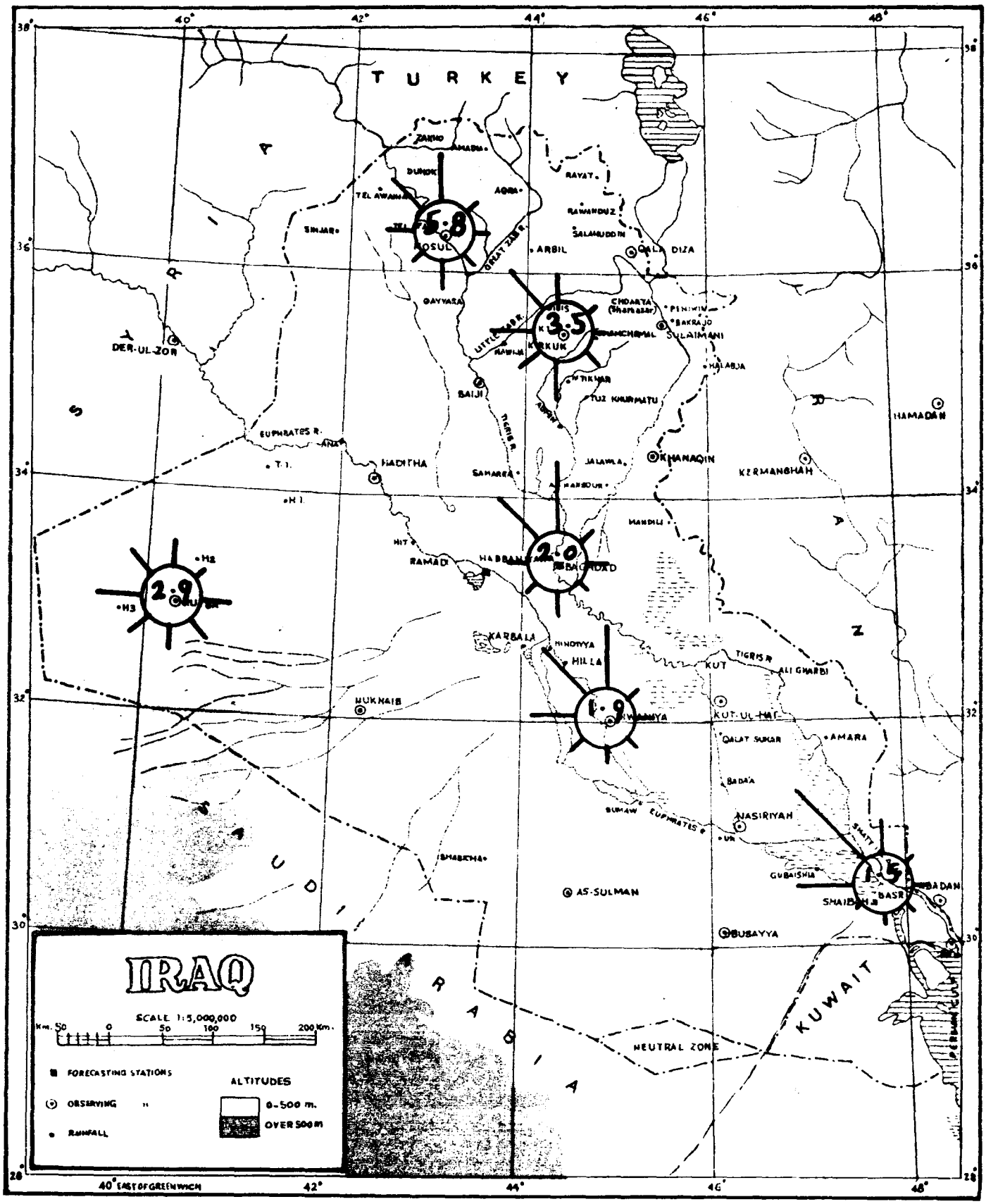


SURVEY PRESS, BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

OCTOBER 1200 GMT.

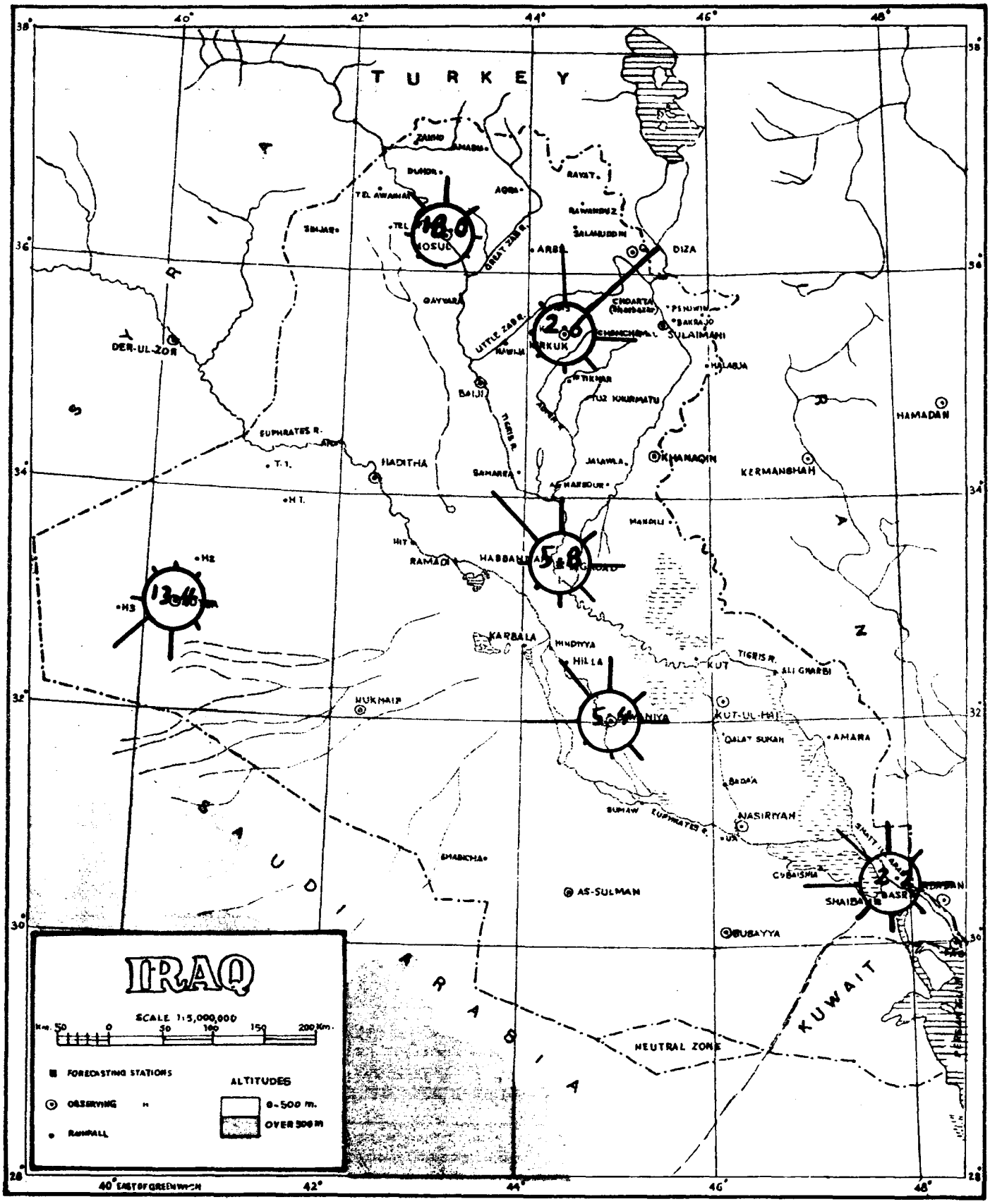


SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

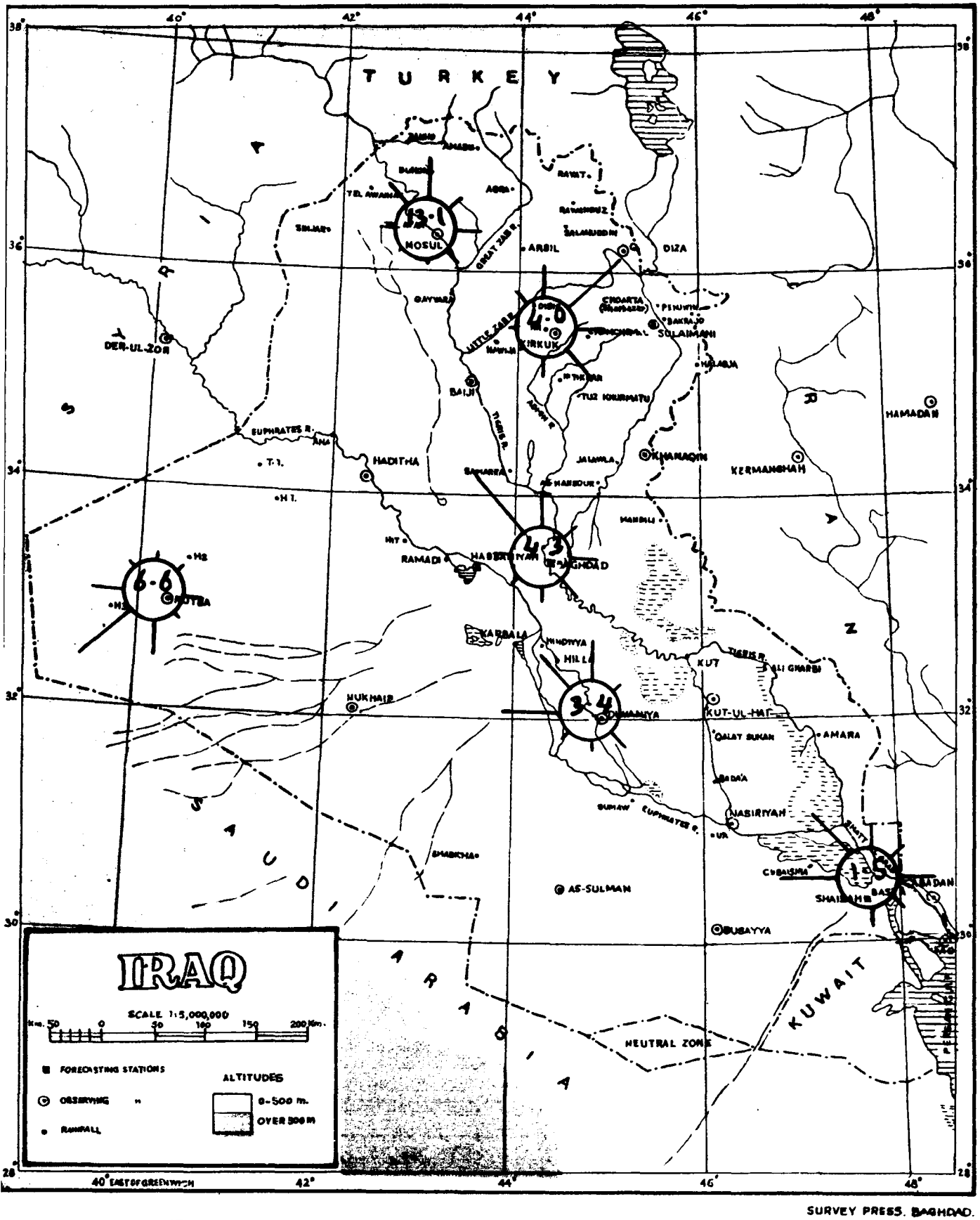
NOVEMBER 0300 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequeucy from Specified Directions for some selected stations period of records see page 2/3

NOVEMBER 0600 GMT.

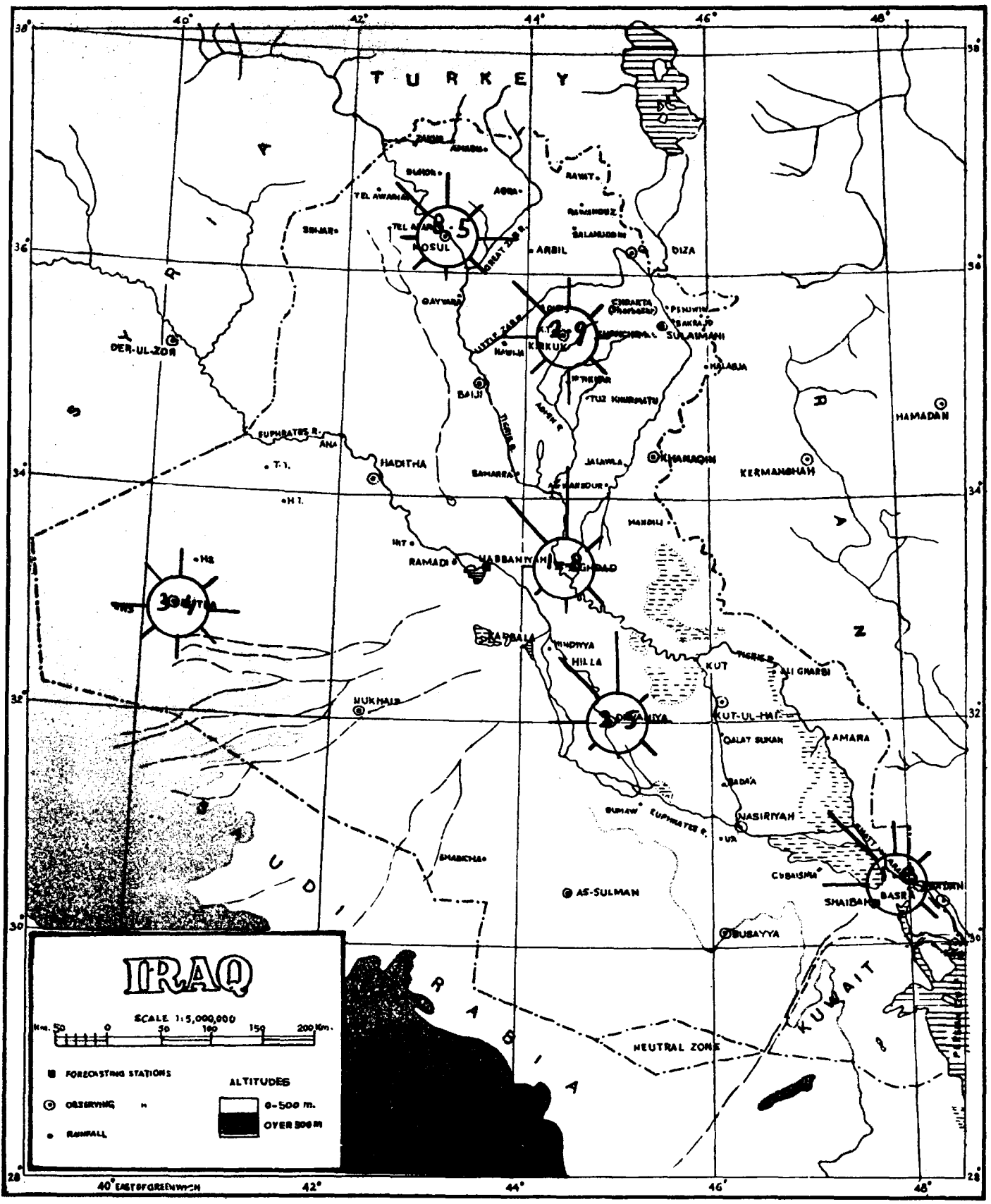


SURVEY PRESS. BAGHDAD.

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions
period of records see page 2/3

NOVEMBER 1200 GMT



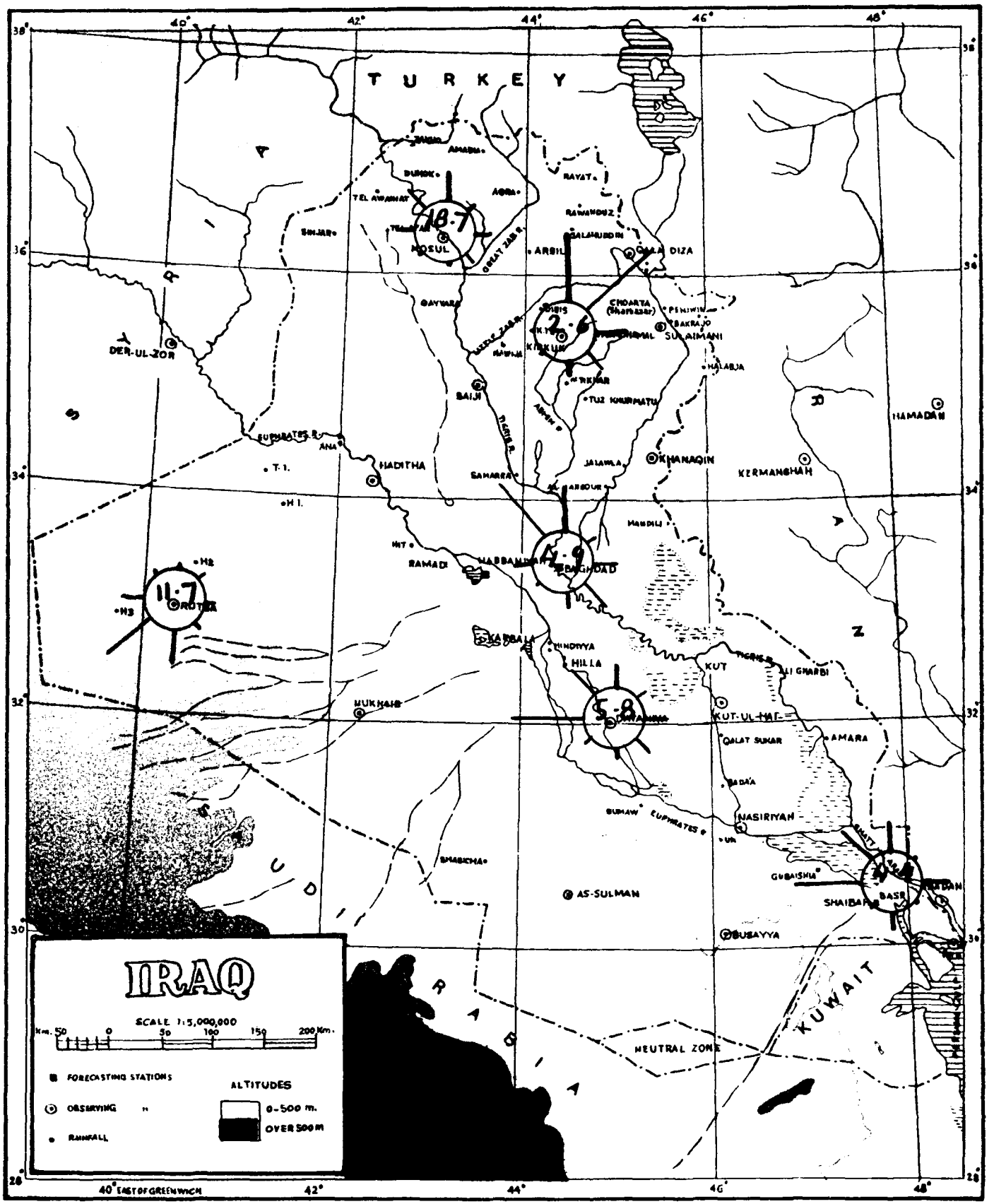
The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND

Average Frequency from Specified Directions for some selected stations

period of records see page 2/3

DECEMBER 0300 GMT.

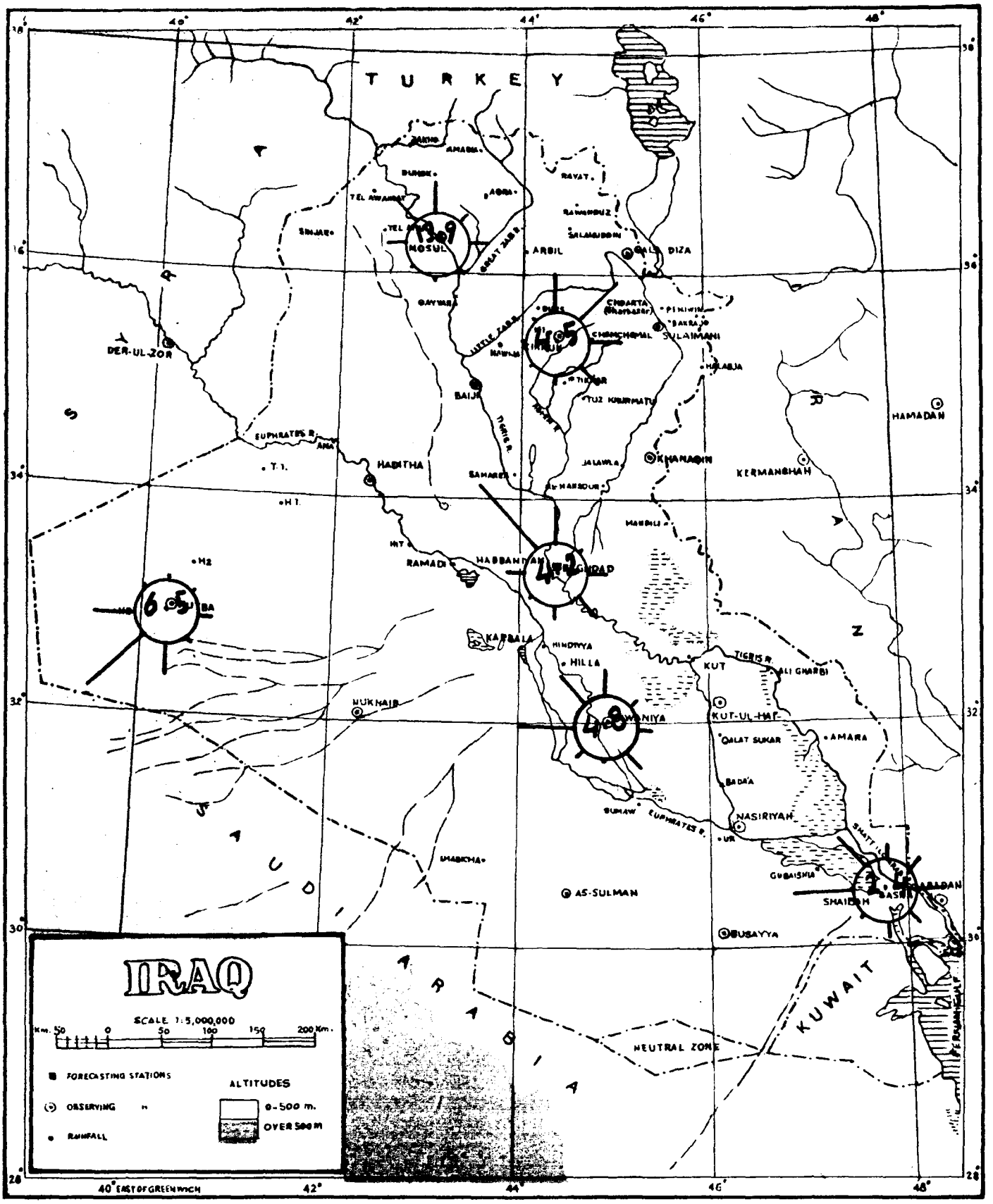


SURVEY PRESS BAGHDAD

The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND
Average Frequency from Specified Directions for some selected stations
period of records see page 2/3

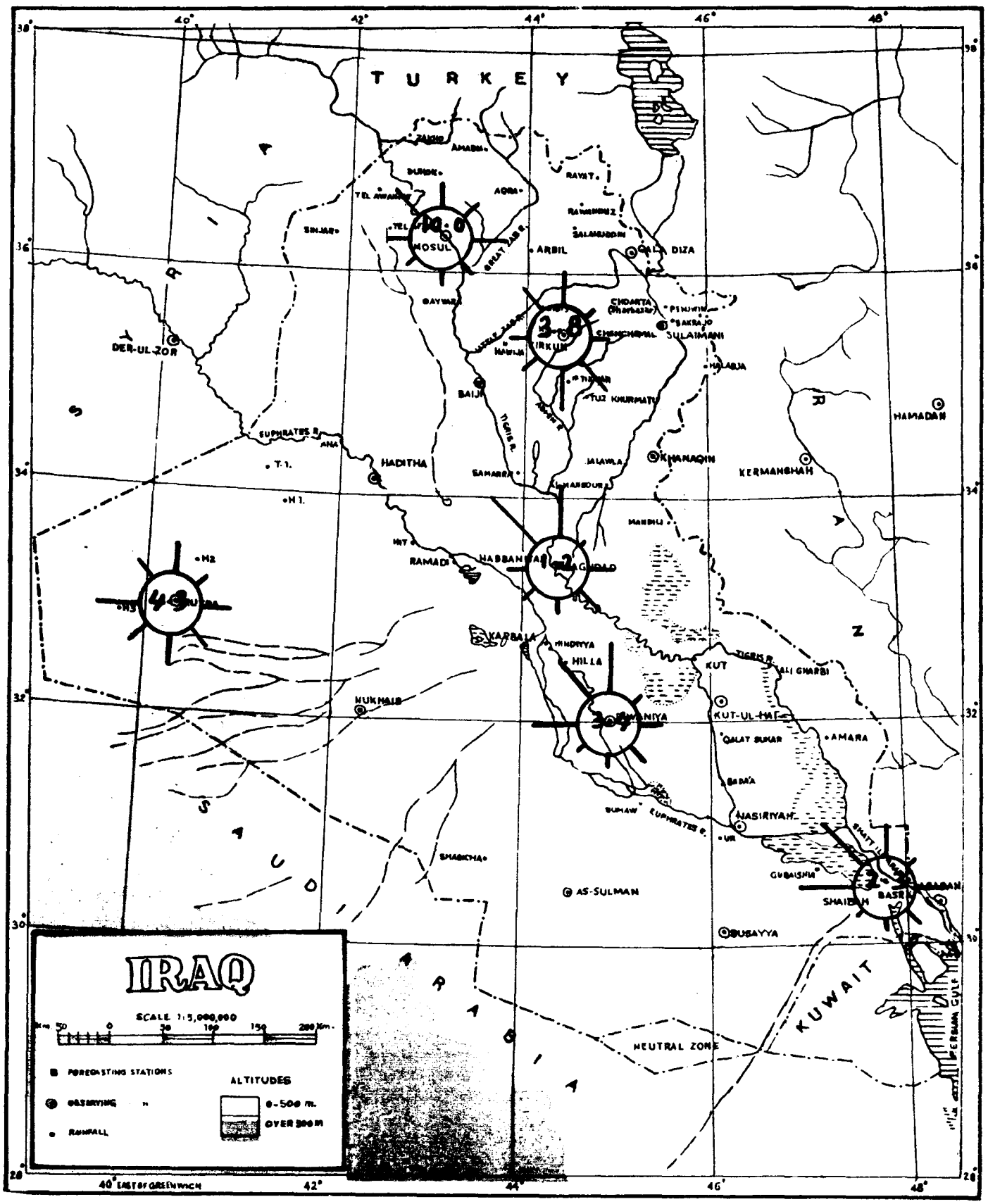
DECEMBER 0600 GMT.



The length of each arrow represents the mean number of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the case without wind.

WIND
Average Frequency from Specified Directions for some selected stations period of records see page 2/3

DECEMBER 1200 GMT.



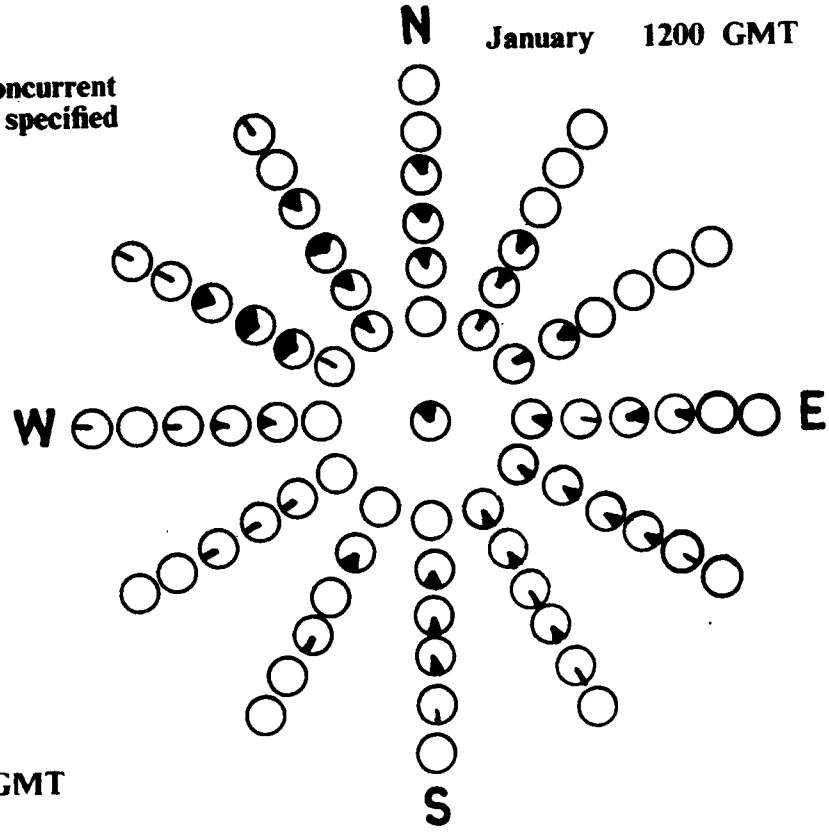
The length of each arrow represents the mean uumber of occurrences of that particular wind direction. 1 case equal 1.5 mm. The number in the centre shows the cases without wind.

WIND DISTRIBUTION

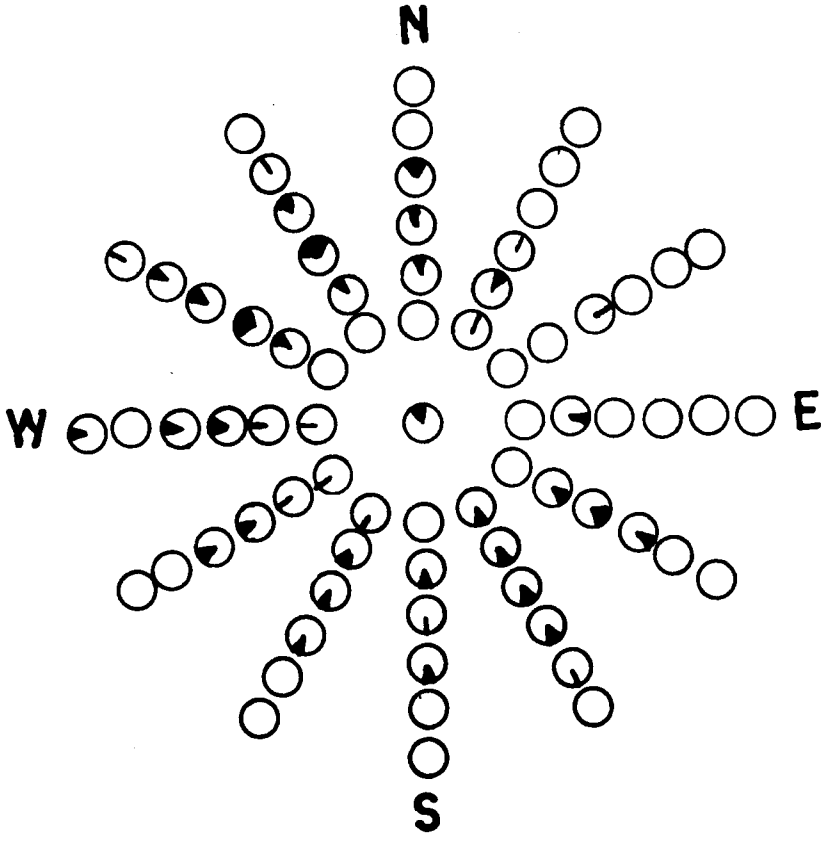
at Baghdad Airport 1951—1955

Mean Number of occurrences of concurrent wind — speed and direction within specified ranges.

January 1200 GMT

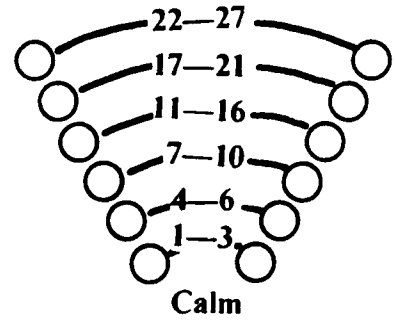


February 1200 GMT



The black sectors represent the mean number of occurrences for the particular wind speed and direction interval given by the circle. A sector with an opening of 10 degrees represents a value of 0.2, a sector of 20 degrees 0.4 etc. The sectors in the centre indicate the cases without wind.

Speed Ranges

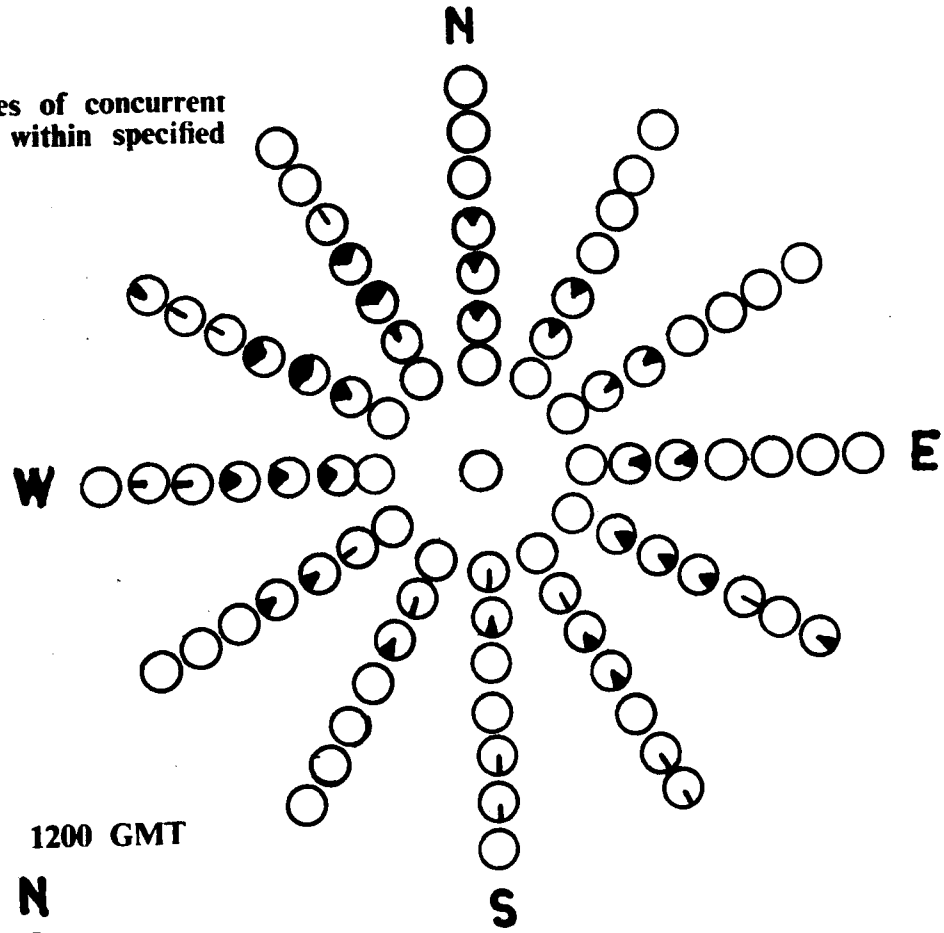


Wind Speed in Knots

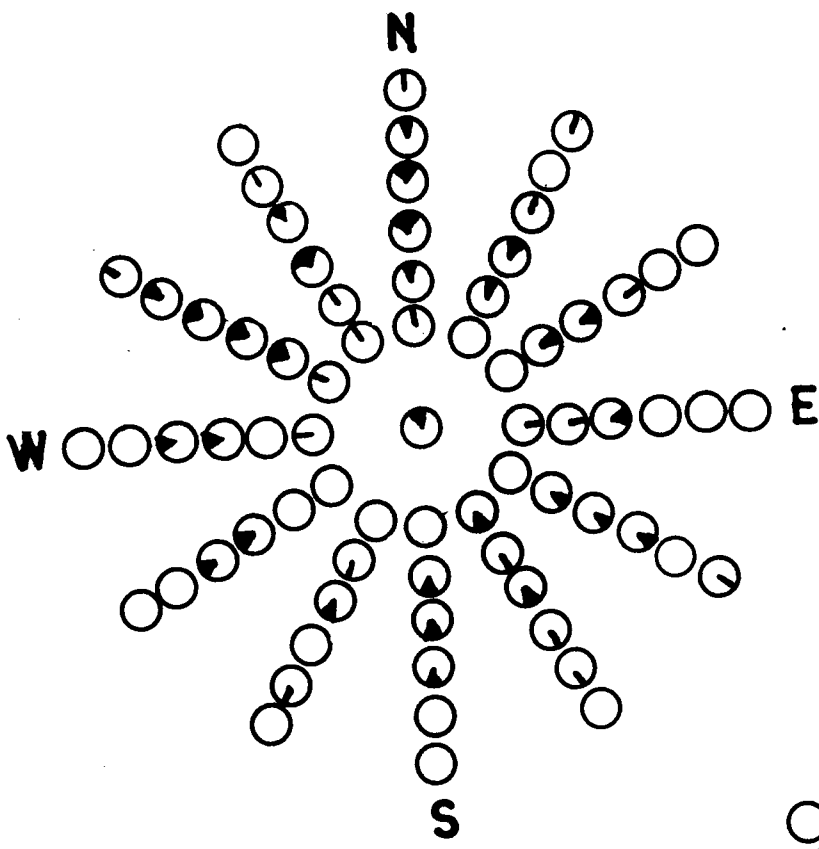
at Baghdad Airport 1951—1955

March 1200 GMT

Mean Number of occurrences of concurrent wind — speed and direction within specified ranges.

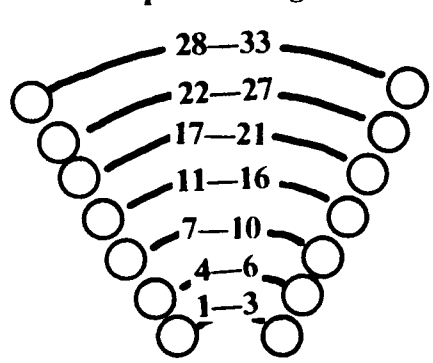


April 1200 GMT



The black sectors represent the mean number of occurrences for the particular wind speed and direction interval given by the circle. A sector with an opening of 10 degrees represents a value of 0.2, a sector of 20 degrees 0.4 etc. The sectors in the centre indicate the cases without wind.

Speed Ranges



Calm

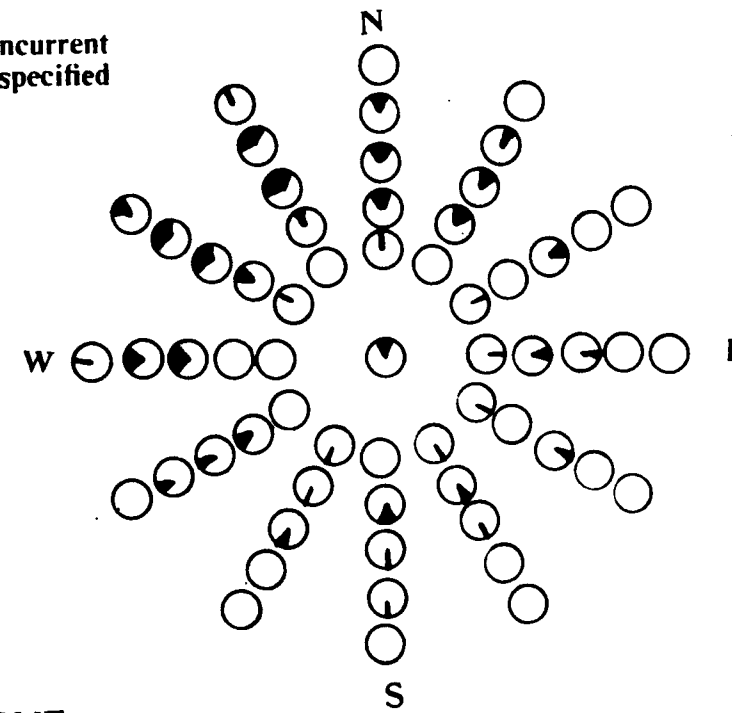
Wind Speed in Knots

WIND DISTRIBUTION

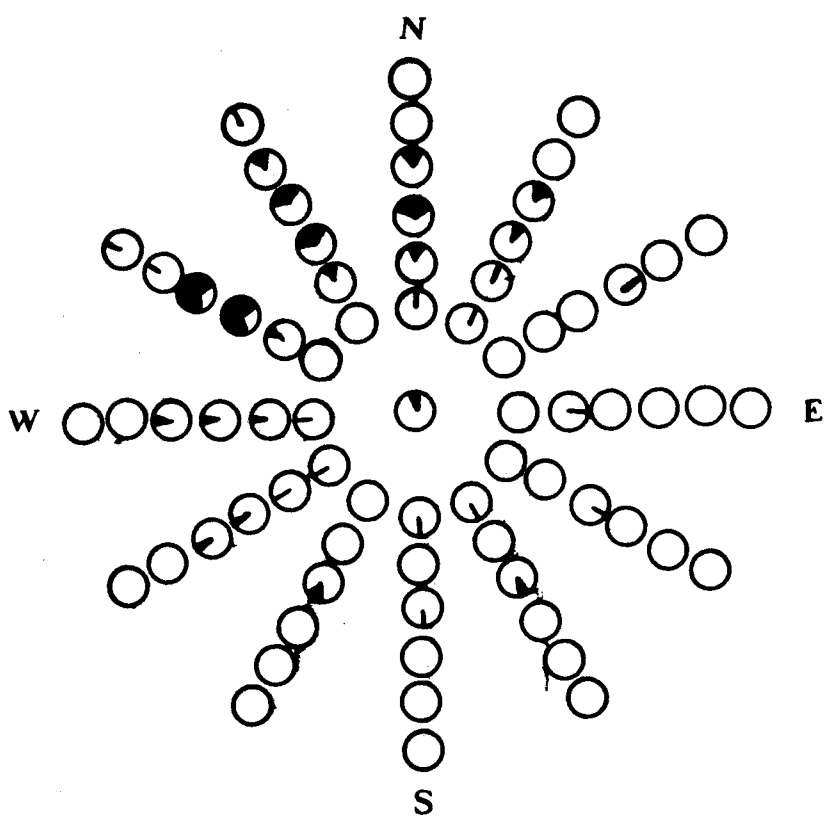
at Baghdad Airport 1951—1955

Mean number of occurrences of concurrent wind — speed and direction within specified ranges.

MAY 1200 GMT

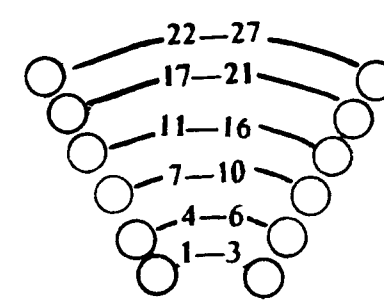


JUNE 1200 GMT



The black sectors represent the mean number of occurrences for the particular wind speed and direction interval given by the circle. A sector with an opening of 10 degrees represents a value of 0.2. a sector of 20 degrees 0.4 etc. The sectors in the centre indicate the cases without wind.

Speed Ranges



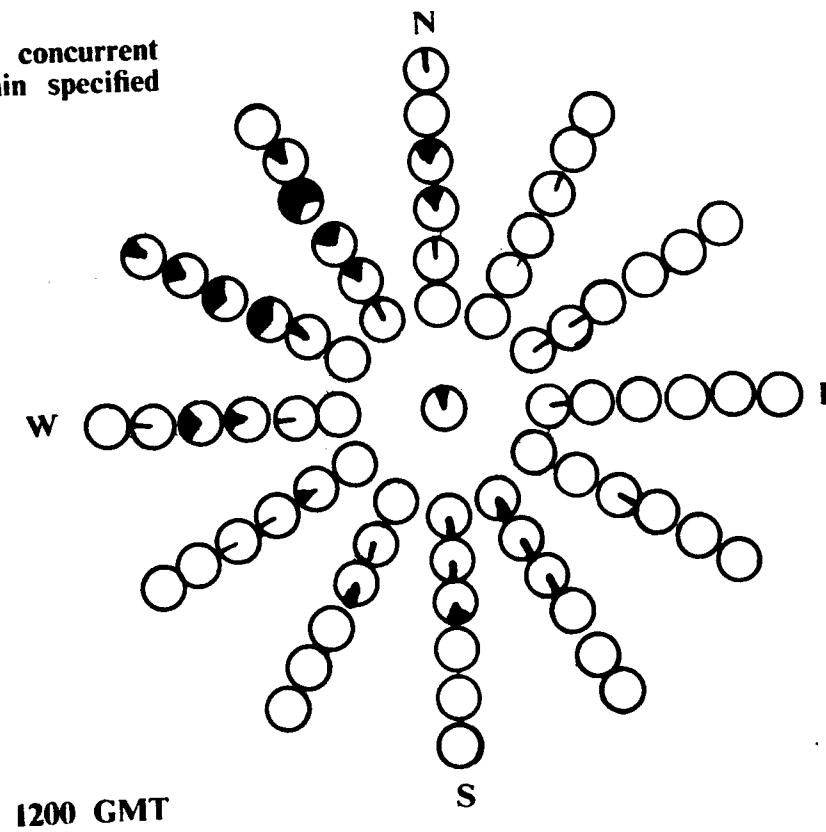
Calm

Wind Speed in Knots

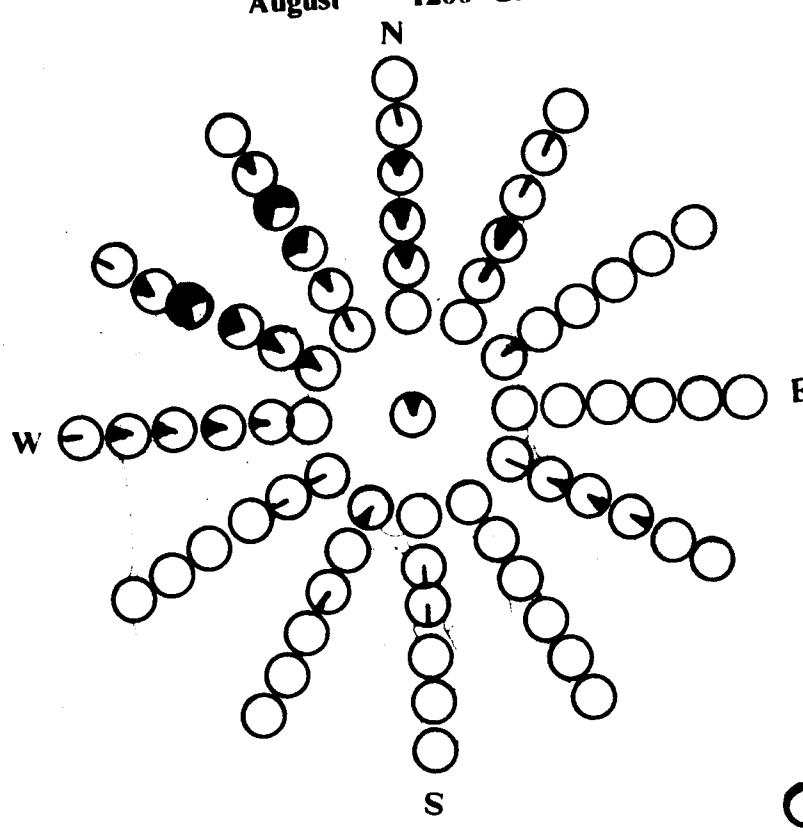
at Baghdad Airport 1951—1955

Mean number of occurrences of concurrent wind — speed and direction within specified ranges.

July 1200 GMT



August 1200 GMT



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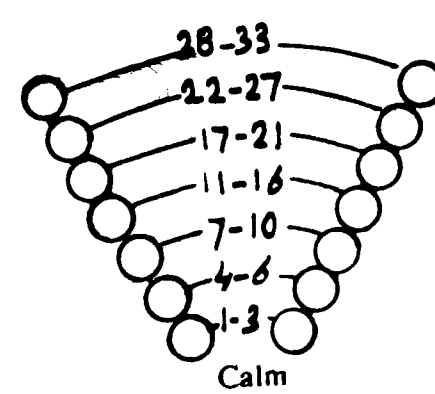
Speed Ranges

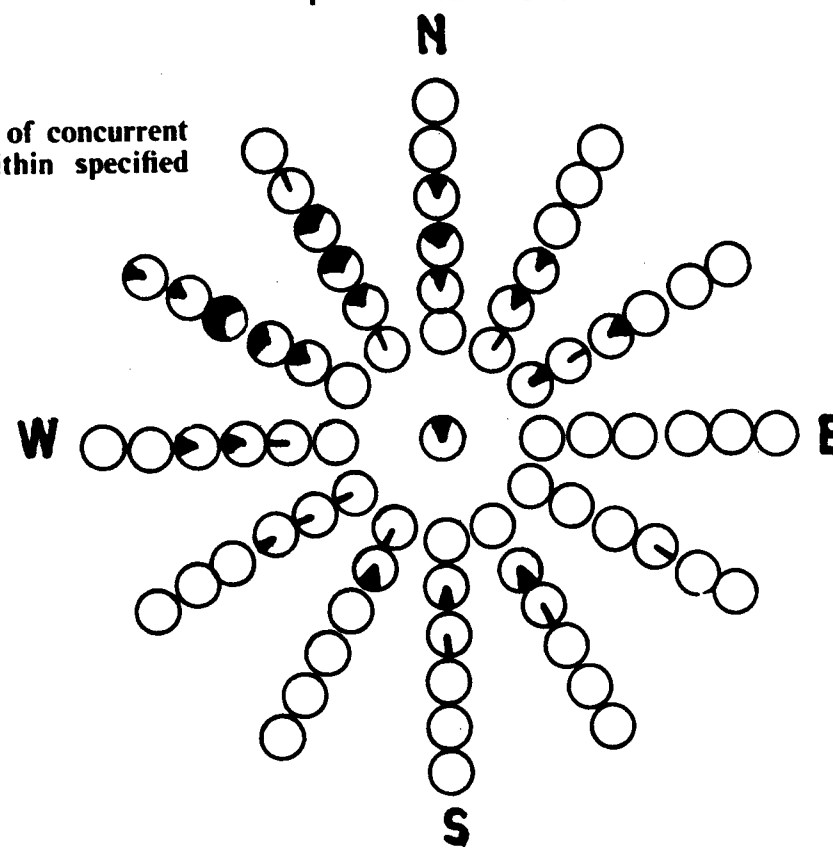


Wind Speed in Knots

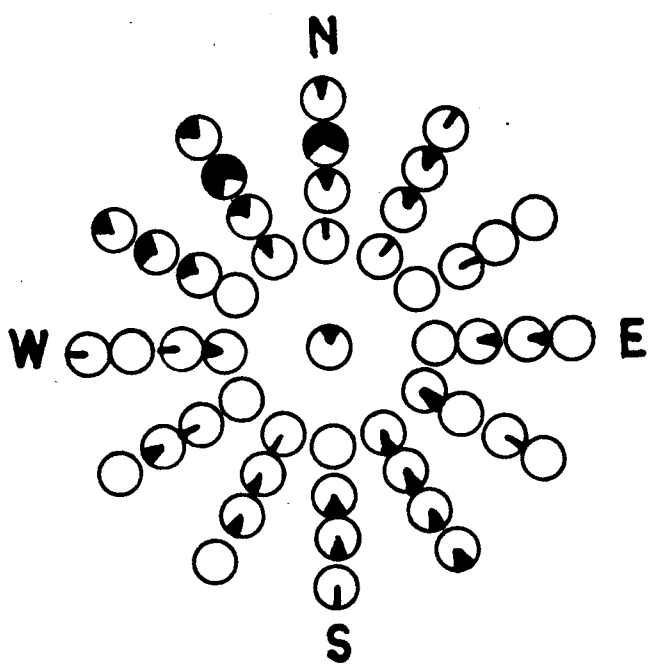
at Baghdad Airport 1951—1955

Mean number of occurrences of concurrent wind — speed and direction within specified ranges.

September 1200 GMT



October 1200 GMT



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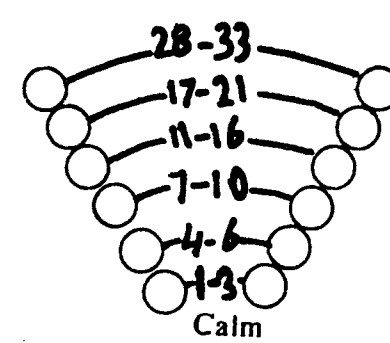
Speed Ranges



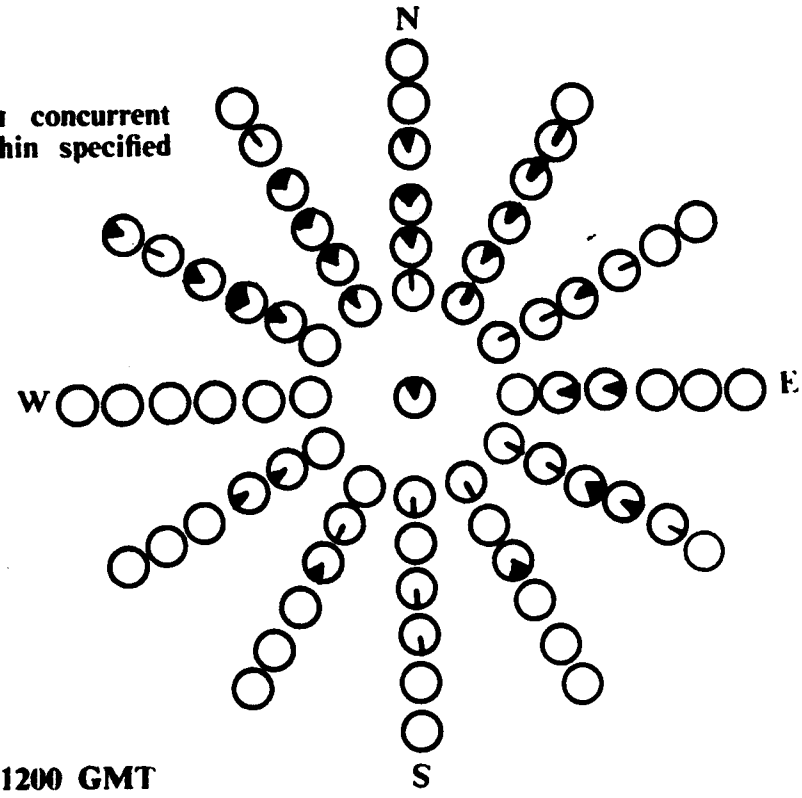
Wind Speed in Knots

WIND DISTRIBUTION

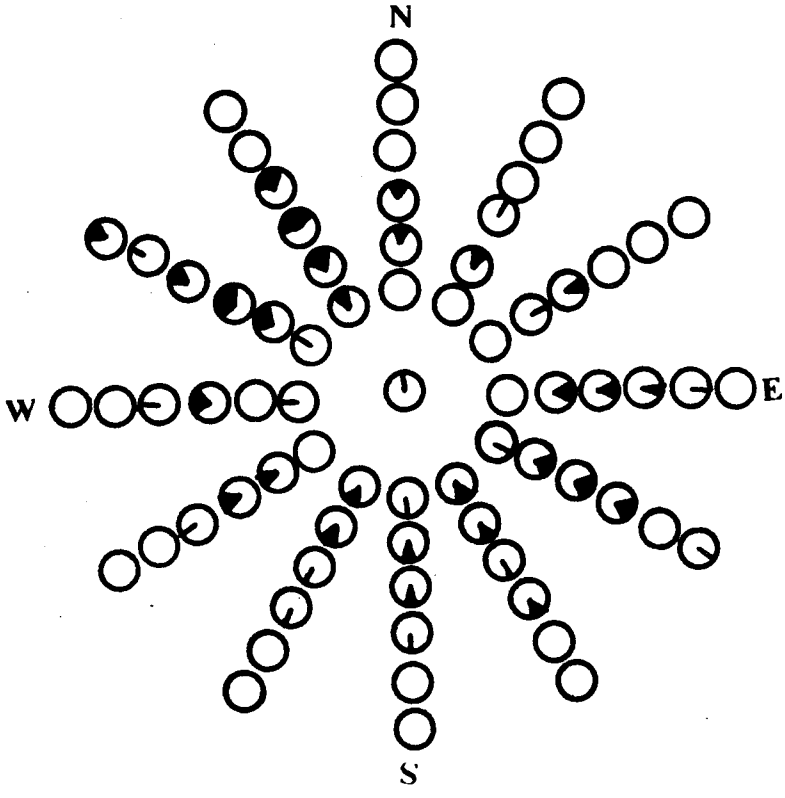
at Baghdad Airport 1951—1955

Mean number of occurrences of concurrent wind — speed and direction within specified ranges.

NOVEMBER 1200 GMT

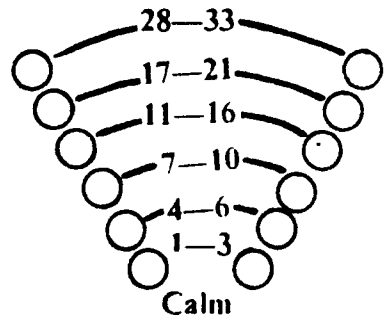


DECEMBER 1200 GMT



The black sectors represent the mean number of occurrences for the particular wind speed and direction interval given by the circle. A sector with an opening of 10 degrees represents a value of 0.2, a sector of 20 degrees 0.4 etc. The sectors in the centre indicate the cases without wind.

Speed Ranges



Wind Speed in Knots