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Incl #2

IRANIAN OIL EXPLORATION & PRODUCING COMPANY
(Iranian Oil Operating Companies

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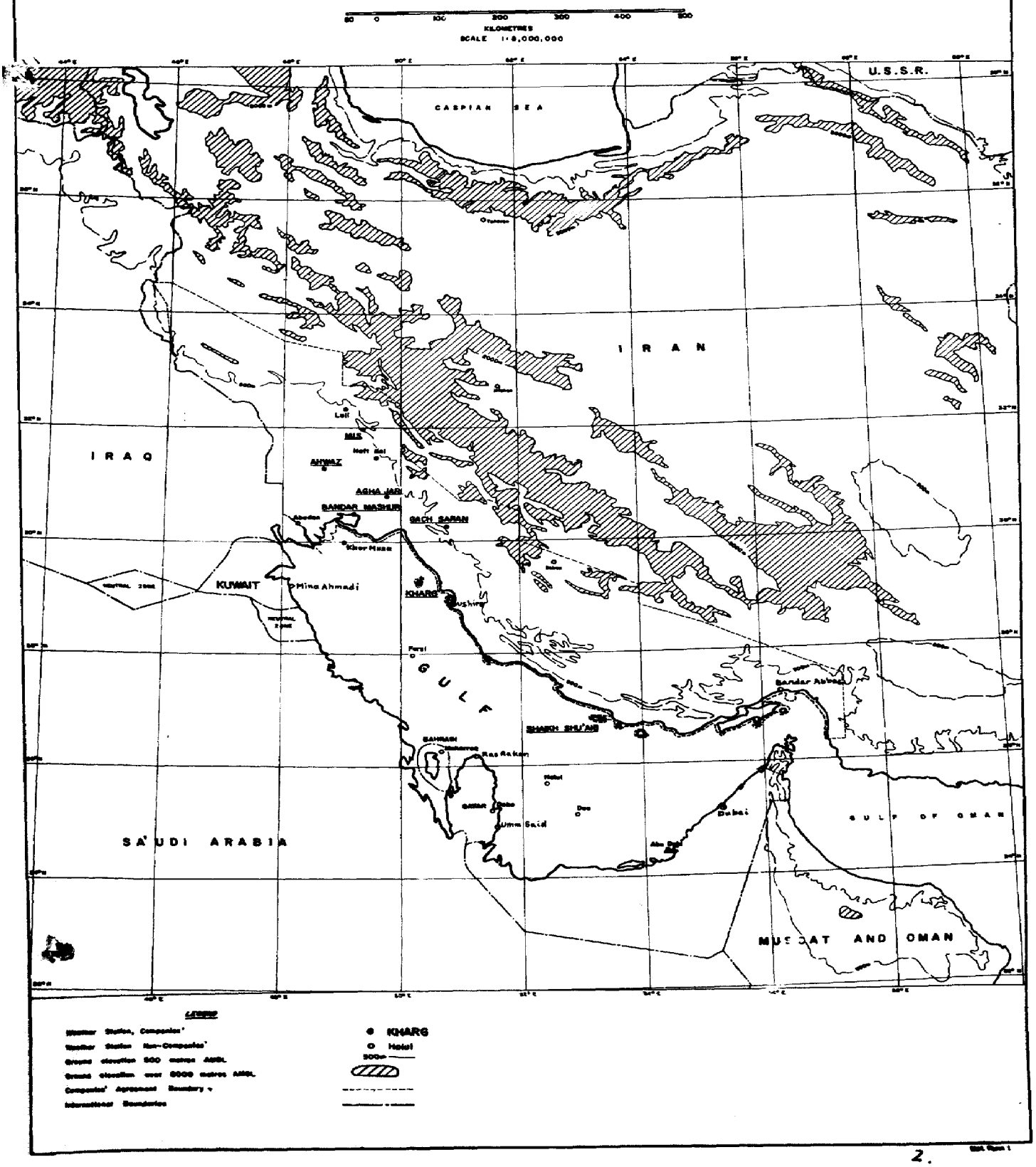
March 28, 2002

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



2.

WEATHER BULLETIN

July 1961

CONTENTS.

The following stations are included in this bulletin:

Station	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	32°00' N	49°15' E	362 m.	4
Agha Jari (Ummidieh airport) 2)	-	30°36' N	49°50' E	29 m.	9
Gach Saran (Du Gombadan airport) 1)	40 835	30°21' N	50°48' E	709 m.	14
Bandar Mashur (Airport) 2)	-	30°33' N	49°09' E	8 m.	17
Kharg Island (Airport) 1)	40 845	29°15' N	50°20' E	3 m.	22
Sheikh Shu'aib (Drilling camp) 2)	-	26°50' N	53°10' E	40 m.	27
Khor Musa (Observation platform) 3)	-	30°00' N	49°02' E	6 m.	30

1) International Synoptic and Aeronautical Station.
2) Climatological and Aeronautical Station.
3) Wind recordings only.

This bulletin also contains the Wind Summeries and Wind roses for Khor Musa for the months August - November 1961, which have not previously been published.

CONVERSION FACTORS.

The units used in this bulletin are those recommended by World Meteorological Organisation. Those who want to use other units, please see the appropriate conversion figure in any of the bulletins after August 1961.

WEATHER.

The average maximum temperature was in

Masjid-i-Sulaiman	0.3 °C below
Gach Saran	equal to
Kharg Island	0.3 °C below

the normal value for July.

T. Bergquist
Meteorologist
IMCOS Ltd.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: July — Year: 1961

Local Time. G.M.T. + 3½ hrs

Station	Maximum Temperature: Monthly Average °C	Maximum Temperature: Monthly Highest °C	Date	Minimum Temperature: Monthly Average °C	Minimum Temperature: Monthly Lowest °C	Date	Ground Min. Temperature: Monthly Average °C	Ground Min. Temperature: Monthly Lowest °C	Date	Sea Temp. Monthly Average °C	Sun Maximum Temperature: Monthly Average °C	Sun Maximum Temperature: Monthly Highest °C	Date	Humidity: Vapour Pressure at 0930 mb	Humidity: Dew Point Depression at 0930 °C	Humidity: Rel. Hum. Daily avr. %	Humidity: Rel. Hum. 1530 (avr.) %	Humidity: Rel. Hum. 0630 (avr.) %	Rainfall: Monthly Total mm	Rainfall: Maximum in 24 hrs mm	Date	Station Pressure at 0930 (AFE): Monthly Average mb	Station Pressure at 0930 (AFE): Monthly Highest mb	Date	Station Pressure at 0930 (AFE): Monthly Lowest mb	Date	Maximum Wind Velocity: Velocity kts.	Maximum Wind Velocity: Direction degr.	Date
Masjid-i-Sulaiman	44.6	48.7	30	30.8	28.8	15					73.7	79.0	22	11.0	31.5	15	11	23	0	0	-	956.6	961.7	25	953.7	1	29	080	3
Agha Jari	47.3	49.5	20	27.5	25.2	8					79.6	83.0	2	14.7	25.3	19	10	36	0	0	-	994.6	1000.0	25	991.7	6	38	300	20
Gach Saran	42.0	44.8	20	25.4	22.6	4	24.6	21.7	5		73.7	80.0	1	11.6	28.2	20	12	34	0	0	-	918.9	923.9	25	916.2	1			
Bandar Mashur	44.6	48.0	20	26.7	23.5	10					76.3	81.0	5	16.9	22.8	28	15	50	0	0	-	995.7	1000.6	25	992.3	17	40	280	20
Kharg Island	37.7	40.4	17	29.2	27.4	24	27.3	23.7	18		67.2	70.6	17	29.6	10.3	57	41	71	0	0	-	996.0	1000.9	25	992.5	2	30	300	20
Sheikh Shu'aib	37.2	39.5	18	25.2	24.4	7	24.6	21.4	7		69.8	75.0	28	32.6	9.0	68	51	81	0	0	-	992.6	998.2	24	988.5	1			
Khor Musa																											35	300	20

NUMBER OF DAYS WITH

Station	Maximum Temperature: < 10.0 °C	Maximum Temperature: 10.0–19.9 °C	Maximum Temperature: 20.0–29.9 °C	Maximum Temperature: 30.0–39.9 °C	Maximum Temperature: 40.0–44.9 °C	Maximum Temperature: ≥ 45.0 °C	Minimum Temperature: < 0.0 °C	Minimum Temperature: 0.0–9.9 °C	Minimum Temperature: 10.0–19.9 °C	Minimum Temperature: 20.0–29.9 °C	Minimum Temperature: 30.0–34.9 °C	Minimum Temperature: ≥ 35.0 °C	Horizontal Visibility: ≤ 200 m	Horizontal Visibility: 200–500 m	Horizontal Visibility: 500–1000 m	Horizontal Visibility: 1–2 km	Horizontal Visibility: 2–5 km	Horizontal Visibility: 5–15 km	Horizontal Visibility: 15–30 km	Horizontal Visibility: ≥ 30 km	Fog (Vis. ≤ 1 km)	Dust (Vis. ≤ 1 km)	Thunderstorms	24 Hour Rainfall: ≥ 0.1 mm	24 Hour Rainfall: 0.1–0.9 mm	24 Hour Rainfall: 1.0–4.9 mm	24 Hour Rainfall: 5.0–9.9 mm	24 Hour Rainfall: ≥ 10 mm	24 Hour Rainfall: ≥ 1 inch	Cloudiness: ≥ 7/8 at 0930	Cloudiness: ≤ 2/8 at 0930	Cloudiness: Daily Average
Masjid-i-Sulaiman	0	0	0	1	13	17	0	0	0	12	18	1	0	0	2	1	6	16	6	0	0	2	0	0	0	0	0	0	0	1	28	0.6
Agha Jari	0	0	0	0	1	30	0	0	0	30	1	0	0	0	0	0	12	19	0	0	0	0	0	0	0	0	0	0	0	0	30	0.2
Gach Saran	0	0	0	3	28	0	0	0	0	31	0	0	0	0	3	1	2	16	9	0	0	3	0	0	0	0	0	0	0	0	28	0.5
Bandar Mashur	0	0	0	0	15	16	0	0	0	29	2	0	1	0	1	1	6	12	10	0	0	2	0	0	0	0	0	0	0	0	30	0.2
Kharg Island	0	0	0	30	1	0	0	0	0	21	10	0	0	0	1	1	10	11	8	0	0	1	0	0	0	0	0	0	0	0	29	0.3
Sheikh Shu'aib	0	0	0	31	0	0	0	0	0	28	3	0	0	0	2	0	3	22	4	0	0	2	0	0	0	0	0	0	0	1	23	1.3

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 32°00' N Long: 49°15' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	30.8	17.0	4.4	8.4	19	953.6	–	0	0	1	44.4	22.0	4.6	8.5	9	953.1	230	10	0	1	1
2	37.6	17.8	-3.6	4.5	7	954.5	090	15	0	15	44.0	20.0	-4.6	4.2	5	955.3	090	10	0	15	2
3	38.6	17.4	-8.9	2.9	4	956.3	090	16	0	18	44.0	20.0	-4.6	4.2	5	956.6	080	10	0	20	3
4	37.8	17.0	-9.4	2.8	4	956.1	090	12	0	15	44.8	20.4	-3.8	4.5	5	956.1	360	6	0	20	4
5	33.0	17.6	3.3	7.8	15	954.9	090	10	0	10	43.2	19.8	-4.0	4.3	5	959.9	080	10	0	18	5
6	31.4	17.8	6.2	9.5	23	953.2	–	0	0	8	45.0	20.0	-7.2	3.4	4	953.3	270	8	0	20	6
7	31.0	16.8	3.3	7.8	17	954.6	–	0	0	18	45.6	23.0	6.9	10.0	10	953.9	300	8	0	18	7
8	30.2	17.0	5.2	8.9	21	955.7	140	3	0	10	43.6	20.6	-0.8	5.9	7	956.0	270	8	0	10	8
9	30.4	17.4	6.2	9.5	22	955.3	–	0	0	10	41.8	21.0	4.2	8.3	10	955.8	240	5	0	8	9
10	29.6	16.8	5.3	8.9	22	954.3	090	3	0	8	40.2	20.8	5.6	9.1	12	955.0	190	8	0	2	10
11	29.6	17.6	7.8	10.6	25	956.0	–	0	0	4	39.2	20.6	6.1	9.4	13	957.0	220	6	0	4	11
12	31.0	17.8	6.7	9.8	22	957.8	–	0	0	2	37.6	20.4	7.3	10.3	16	958.9	270	8	0	3	12
13	30.0	18.6	10.0	12.3	29	958.2	–	0	0	2	39.0	20.6	6.4	9.7	14	958.2	310	10	0	2.5	13
14	29.8	16.2	2.8	7.5	18	956.0	–	0	0	4	40.6	20.4	3.5	7.9	10	955.3	330	6	0	3	14
15	29.4	16.6	5.0	8.8	21	955.6	–	0	0	5	39.0	19.6	2.6	7.3	10	956.2	200	6	0	8	15
16	31.0	18.4	8.6	11.1	25	954.4	–	0	3	6	40.8	21.2	6.1	9.5	12	954.3	–	0	0	6	16
17	31.6	18.4	7.8	10.6	23	953.2	–	0	2	8	41.6	21.4	6.0	9.3	12	953.9	210	8	5	8	17
18	31.4	19.0	9.7	12.1	26	954.5	–	0	0	10	43.0	21.8	5.7	9.2	10	956.1	180	5	0	8	18
19	32.0	17.4	4.1	8.2	17	957.0	–	0	0	14	44.0	23.0	5.4	10.4	12	957.4	270	8	0	15	19
20	31.2	17.2	4.6	8.5	19	955.3	–	0	0	8	45.0	22.6	6.2	9.5	10	955.3	330	6	0	10	20
21	31.4	15.4	-3.1	4.8	11	954.7	–	0	4	3											21
22	30.8	18.6	9.2	11.7	26	956.5	–	0	2	10	43.4	21.6	4.4	8.4	9	956.0	260	5	0	10	22
23	30.6	18.2	8.3	11.0	25	956.0	–	0	0	5	47.2	21.6	-1.7	5.3	5	955.7	060	8	0	10	23
24	31.0	20.0	12.6	14.6	32	960.3	–	0	0	6	43.6	22.5	7.5	10.4	12	960.6	190	6	0	7	24
25	29.8	19.0	11.3	13.4	32	960.7	–	0	1	6	38.4	23.0	13.9	15.9	24	961.1	180	10	0	8	25
26	30.4	22.0	17.3	19.8	46	957.1	–	0	0	15	40.6	25.6	18.2	20.9	27	957.2	–	0	0	10	26
27	32.4	24.0	19.8	23.1	48	955.6	320	4	0	15	42.8	27.0	19.7	23.6	27	955.4	180	8	0	15	27
28																					28
29	32.0	23.4	18.9	21.9	46	959.6	–	0	1	18	40.6	25.0	15.3	17.4	23	958.3	290	8	0	20	29
30	33.6	22.5	16.2	18.5	36	954.8	–	0	1	15	46.6	22.2	2.4	7.3	7	954.0	210	2	0	20	30
31	34.4	19.6	8.4	11.0	21	954.5	–	0	1	12	45.0	24.0	10.8	13.0	13	954.9	280	8	0	10	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 32°00' N | Long: 49°15' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
43.0	20.8	1.4	6.9	8	952.0	270	10	0	10		45.2	29.6		75.8	200	18	0	Dust.	1
45.4	20.4	-5.0	4.0	4	953.8	360	4	0	20		46.0	34.8		75.0	090	23	0	Clear.	2
43.0	20.6	0.6	6.3	7	955.0	270	8	0	8		45.8	35.2		75.2	080	29	0	Haze.	3
43.0	21.0	2.4	7.3	8	954.0	240	4	0	10		46.0	32.7		75.1	090	24	0	"	4
44.6	20.0	-6.0	3.8	4	952.0	360	8	0	25		46.2	31.6		74.8	080	24	0	Clear.	5
43.6	20.0	-3.8	4.5	5	952.2	270	10	0	18		47.2	31.2		77.0	270	22	0	Haze.	6
44.0	20.0	-4.6	4.2	5	953.4	270	10	0	20		47.0	29.5		76.1	270	21	0	Clear.	7
42.4	22.4	8.4	11.0	13	955.1	280	6	0	18		45.4	30.0		74.0	240	16	0	Haze.	8
41.4	21.0	4.7	8.6	11	954.5	270	8	0	8		43.4	29.6		72.0	260	18	0	"	9
39.0	19.6	2.6	7.4	11	953.8	240	12	0	8		41.7	29.2		71.3	260	20	0	"	10
39.0	20.0	4.1	8.2	12	955.8	190	6	0	4		41.5	29.2		71.0	230	18	0	"	11
38.2	20.0	5.2	8.8	13	957.3	270	10	0	2		39.6	30.6		66.2	230	12	0	Dust.	12
39.2	20.0	3.9	8.1	12	956.1	260	6	0	1.5		41.2	29.6		69.2	230	16	0	Haze.	13
41.0	20.0	1.1	6.6	8	954.0	270	8	0	3		43.2	29.0		73.0	270	18	0	"	14
39.0	20.0	4.1	8.2	12	954.4	200	8	0	4		41.3	28.8		70.0	210	16	0	"	15
41.6	20.4	2.0	7.1	9	952.6	230	10	1	8		44.0	29.5		73.0	270	13	0	"	16
42.0	23.0	10.7	12.9	16	952.4	220	6	4	8		44.2	30.2		74.2	220	12	0	"	17
43.0	22.6	8.4	11.2	13	954.7	210	10	0	18		45.4	31.2		74.0	260	16	0	"	18
43.8	21.6	3.9	8.1	9	955.6	270	8	0	15		46.0	31.0		74.0	270	14	0	Clear.	19
44.0	21.6	3.5	8.0	9	953.5	250	10	1	18		46.6	30.8		75.1	270	18	0	Haze.	20
41.4	22.0	8.3	11.0	14	955.3	250	10	6	10		44.0	30.5		77.0	210	12	0	"	21
43.6	21.2	2.3	7.3	8	953.8	300	8	1	12		46.0	30.4		79.0	250	15	0	Fair.	22
43.8	21.0	1.1	6.6	7	955.9	180	12	0	6		48.0	29.9		77.0	210	17	0	Haze.	23
42.5	23.0	10.3	12.5	15	959.0	240	5	0	8		45.3	30.4		74.5	250	17	0	"	24
40.0	24.0	15.0	17.1	23	957.8	260	6	0	8		42.4	29.5		71.0	130	12	0	"	25
41.6	24.8	15.7	17.9	22	954.5	210	5	0	12		43.3	29.7		72.5	240	17	0	"	26
43.4	24.0	12.2	14.3	16	953.3	250	10	3	16		45.4	32.0		73.8	250	17	0	Fair.	27
40.8	25.4	17.5	20.1	27	956.4	250	6	1	15		43.3	31.7		70.6	240	17	0	P.Cloudy.	28
42.8	23.0	10.0	12.3	14	955.1	260	6	2	20		44.2	31.1		72.0	250	21	0	Fair.	29
4[illegible]	22.0	3.4	7.9	8	952.4	270	12	0	20		48.7	32.8		78.0	270	21	0	Clear.	30
43.8	20.6	-0.8	5.8	6	953.4	220	6	0	20		46.3	33.5		74.0	[illegible]	[illegible]	0	Haze.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

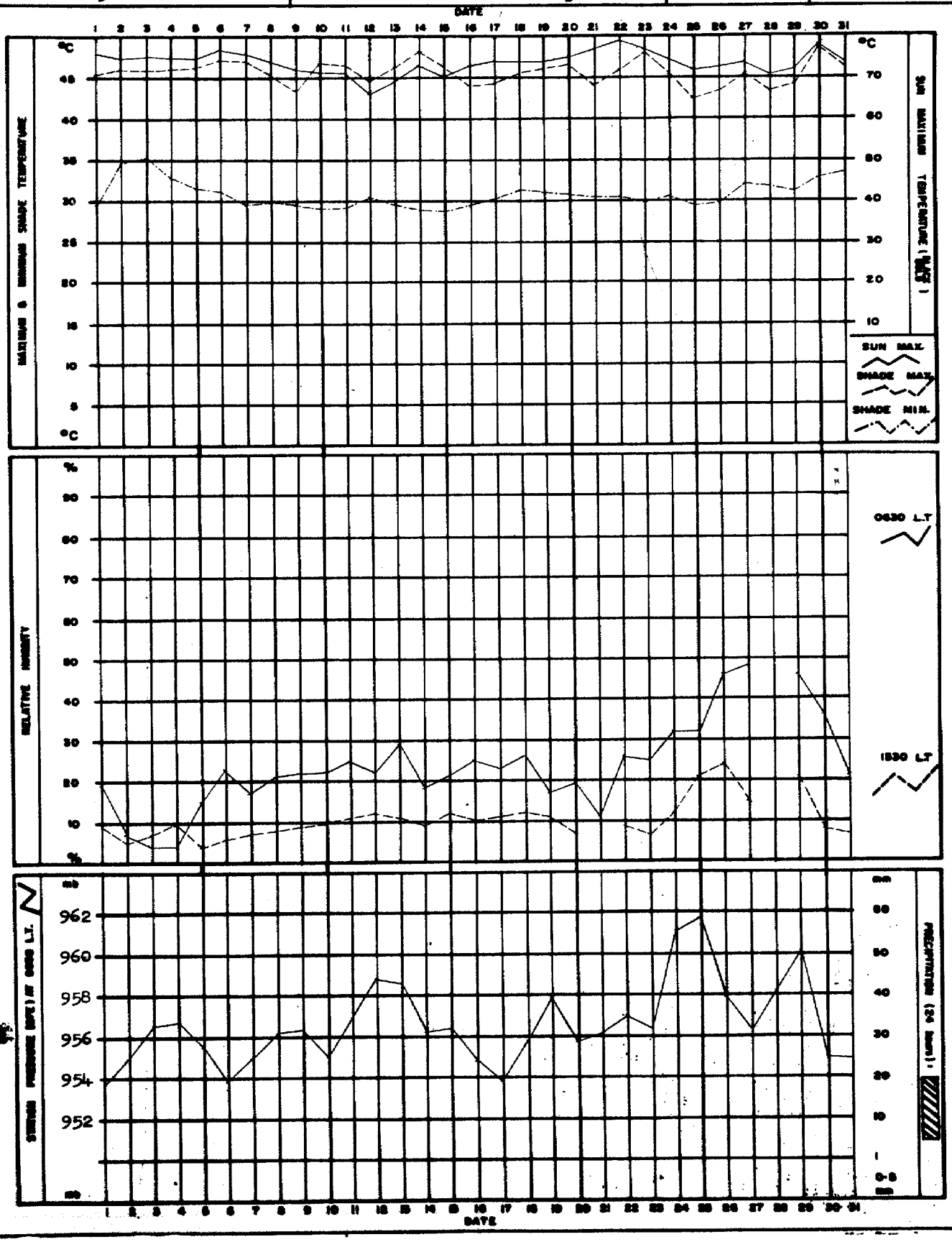
Snow: Snowfall

Rainsh.: Rain falling as showers

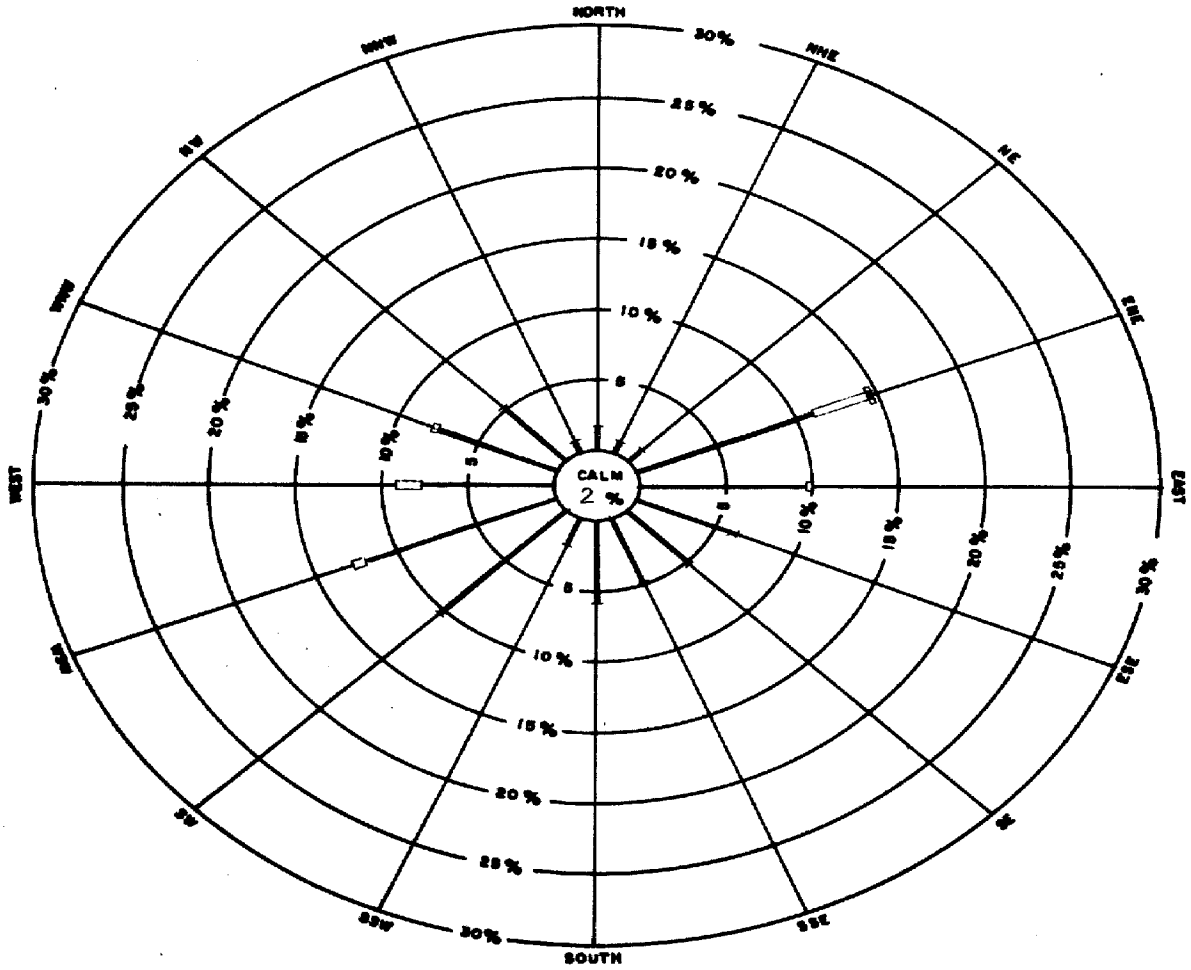
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E

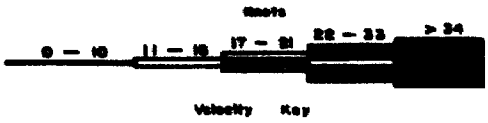


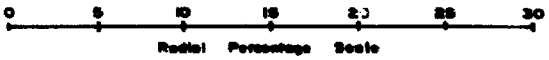
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: July	Year: 1961
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Hours in month 744

Hours recorded 729





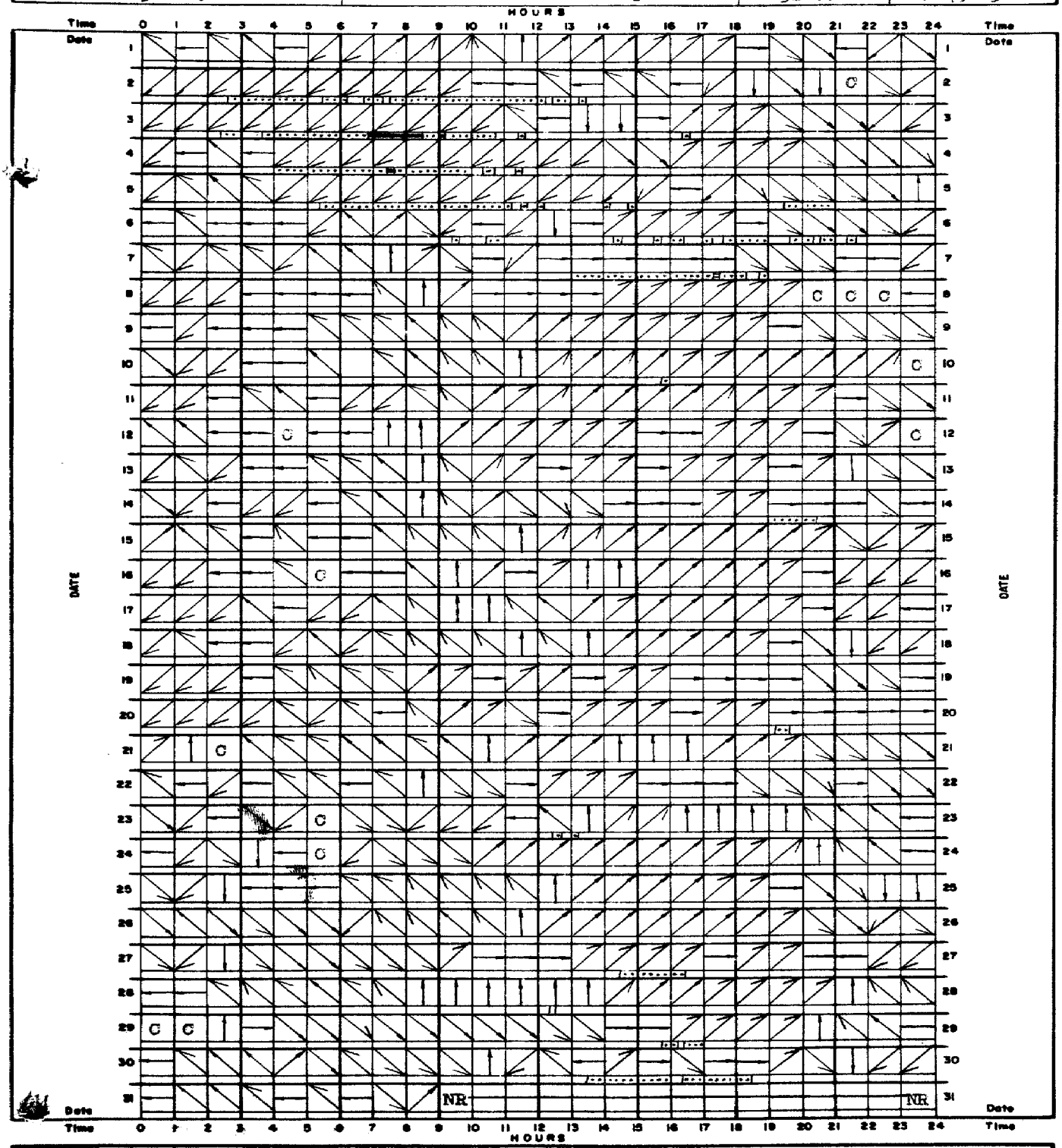
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: July	Year: 1961
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key

Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°36' N | Long: 49°50' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1																					1
2	27.6	18.0	10.8	13.0	35	991.2	–	0	0	10	45.8	22.0	2.6	7.4	7	991.7	300	5	0	15	2
3	28.6	18.7	11.0	13.2	35	993.4	–	0	0	8	47.0	23.0	5.2	8.9	8	993.1	270	5	0	25	3
4	26.9	17.5	10.3	12.5	35	994.1	–	0	0	6	44.6	21.6	2.7	7.4	8	993.4	200	10	0	12	4
5	28.0	19.4	13.7	15.7	41	992.4	130	5	0	8	43.6	23.5	10.7	12.9	14	991.8	170	3	0	7	5
6	28.4	15.2	1.2	6.7	17	990.2	–	0	0	6	44.0	21.0	-4.6	4.2	5	991.1	240	5	0	12	6
7	28.1	17.5	9.1	11.6	31	992.2	–	0	0	10	44.0	20.6	-1.3	5.5	6	991.7	270	25	0	12	7
8	26.2	15.5	5.6	9.1	27	993.8	–	0	0	6	44.0	21.2	1.8	7.0	8	993.7	240	8	0	8	8
9	27.6	16.8	7.2	10.5	30	994.1	–	0	0	6	43.5	20.0	-3.6	4.6	5	993.5	300	10	0	5	9
10	27.8	15.6	4.4	8.5	24	992.8	–	0	0	10	43.2	20.0	-2.9	4.8	6	992.7	300	25	0	3	10
11	27.2	15.5	7.2	8.3	23	993.7	–	0	0	3	41.5	20.8	3.7	8.0	10	995.0	–	0	0	4	11
12	29.2	17.2	7.1	10.1	24	996.2	–	0	0	3	41.0	20.5	3.2	7.7	10	996.2	270	8	0	2	12
13						996.5*										995.7*					13
14						994.6*										993.3*					14
15						994.4*										994.5*					15
16						993.0*					42.1	21.5	5.7	9.2	11	992.2	170	3	0	10	16
17	28.1	18.0	10.3	12.5	33	990.8	180	3	1	10	42.9	23.5	11.4	13.5	16	991.3	–	0	0	7	17
18	27.9	17.5	9.2	11.7	31	992.6	180	3	1	7	44.5	23.2	8.9	11.5	12	993.0	–	0	0	8	18
19	29.5	20.6	15.1	17.2	42	994.7	130	3	1	8	45.0	23.0	7.6	10.5	11	994.8	270	10	0	8	19
20	29.0	15.9	2.9	7.6	19	993.3	–	0	0	10	44.5	21.0	-0.1	6.1	7	992.8	270	3	2	10	20
21	30.0	16.3	3.1	7.6	18	993.7	–	0	1	3	40.5	19.0	-3.2	4.8	6	994.8	340	25	3	8	21
22	27.5	15.1	2.3	7.3	20	994.2	180	2	0	8	45.0	21.0	-0.9	5.7	6	993.0	270	15	0	6	22
23	28.5	17.0	7.2	10.2	26	993.7	–	0	0	4	43.0	24.0	12.6	14.7	17	994.5	180	6	0	4	23
24	29.0	19.4	12.8	14.8	37	998.0	–	0	0	5	42.5	23.8	10.6	12.8	15	998.7	210	8	0	10	24
25	29.8	23.2	20.1	23.5	55	999.6	140	10	1	10	40.4	25.1	11.2	19.6	16	998.6	–	0	0	8	25
26	29.0	22.7	19.4	22.6	55	995.5	250	3	0	10	40.6	25.8	18.6	21.4	28	995.2	180	3	0	10	26
27						994.2*										993.1*					27
28						994.3*										995.9*					28
29						997.1*					41.3	26.0	18.6	21.4	27	995.9	270	3	0	8	29
30	31.9	28.4	27.1	35.9	76	992.7	150	5	0	6	42.2	28.8	23.4	28.9	35	992.1	180	10	0	8	30
31	28.9	22.4	18.9	21.9	55	992.3	–	0	0	10	41.8	27.8	20.8	24.6	30	992.6	180	12	0	8	31

* Values obtained from barograph.

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°36' N Long: 49°50' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
45.8	21.3	-0.9	5.7	6	989.0	280	8	0	20										1
46.8	22.8	4.7	8.5	8	990.4	130	12	0	20		49.5	25.7		83.0	180	23	0	mClear	2
45.0	22.1	4.2	8.3	9	991.8	240	15	0	15		49.5	27.0		82.5	220	28	0	Haze	3
45.5	21.4	0.2	6.2	6	990.8	240	10	0	12		48.5	26.0		81.7	180	20	0	"	4
47.0	20.5	-8.9	2.9	3	989.0	270	12	0	8		49.0	27.0		81.8	270	20	0	"	5
46.5	21.1	-3.3	4.7	5	988.8	270	25	0	8		49.5	28.0		81.4	290	30	0	"	6
46.2	21.6	0.1	6.2	6	990.2	280	25	0	10		49.0	27.5		81.0	280	30	0	"	7
45.5	20.4	-5.5	3.9	4	991.8	270	20	0	8		47.7	25.2		82.0	280	19	0	"	8
43.6	20.0	-3.8	4.5	5	991.3	300	20	0	6		46.5	26.5		77.9	300	29	0	"	9
42.0	19.4	-3.9	4.4	5	991.4	290	24	0	4		45.6	26.6		79.0	300	30	0	"	10
42.4	21.0	3.3	7.8	9	993.5	250	10	0	4		45.4	25.9		80.4	250	26	0	"	11
					994.7*							28.5			280	26	0	"	12
					993.3*						45.5	28.5			290	22	0	–	13
					991.0*							27.5			300	37	0	–	14
					991.9*												0	–	15
43.8	21.6	3.9	8.1	9	989.9	270	5	0	10		48.0			78.5	180	11	0	Haze	16
44.2	22.0	4.9	8.7	9	989.4	270	3	1	7		46.5	27.5		78.3	240	13	0	"	17
45.0	23.6	9.7	12.0	13	991.7	270	5	0	8		48.0	26.5		78.5	230	16	0	"	18
46.4	21.5	-0.7	5.8	6	991.7	300	20	0	8		49.1	28.5		77.4	300	27	0	"	19
45.7	21.0	-2.2	5.1	5	990.5	300	30	x	2		49.5	27.9		78.8	300	38	0	"	20
42.2	20.0	-1.1	5.6	7	993.5	300	12	3	8		45.5	29.5		82.7	290	21	0	"	21
46.0	21.5	-0.1	6.1	6	990.8	300	15	0	3		48.6	26.5		81.0	300	21	0	"	22
40.5	23.6	14.1	16.7	21	994.1	160	8	0	3		46.2	27.8		77.3	160	19	0	"	23
40.0	22.0	9.7	12.1	16	997.6	180	5	0	8		45.0	27.2		77.5	190	20	0	"	24
41.5	25.9	18.2	20.9	26	995.2	240	8	0	10		43.7	26.5		75.0	140	16	0	"	25
					992.1*							28.6					0	Clear	26
					990.7*												0	–	27
					993.7*										180	23	0	–	28
42.8	28.0	21.7	26.0	30	992.4	250	12	0	10		45.8			77.6	280	18	0	Haze	29
[illegible].8	22.7	5.6	9.1	9	989.7	270	3	0	10		46.9	31.5		78.7	230	18	0	"	30
42.2	25.2	16.2	18.5	22	991.4	170	10	0	8		45.6	28.4		78.3	200	18	0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

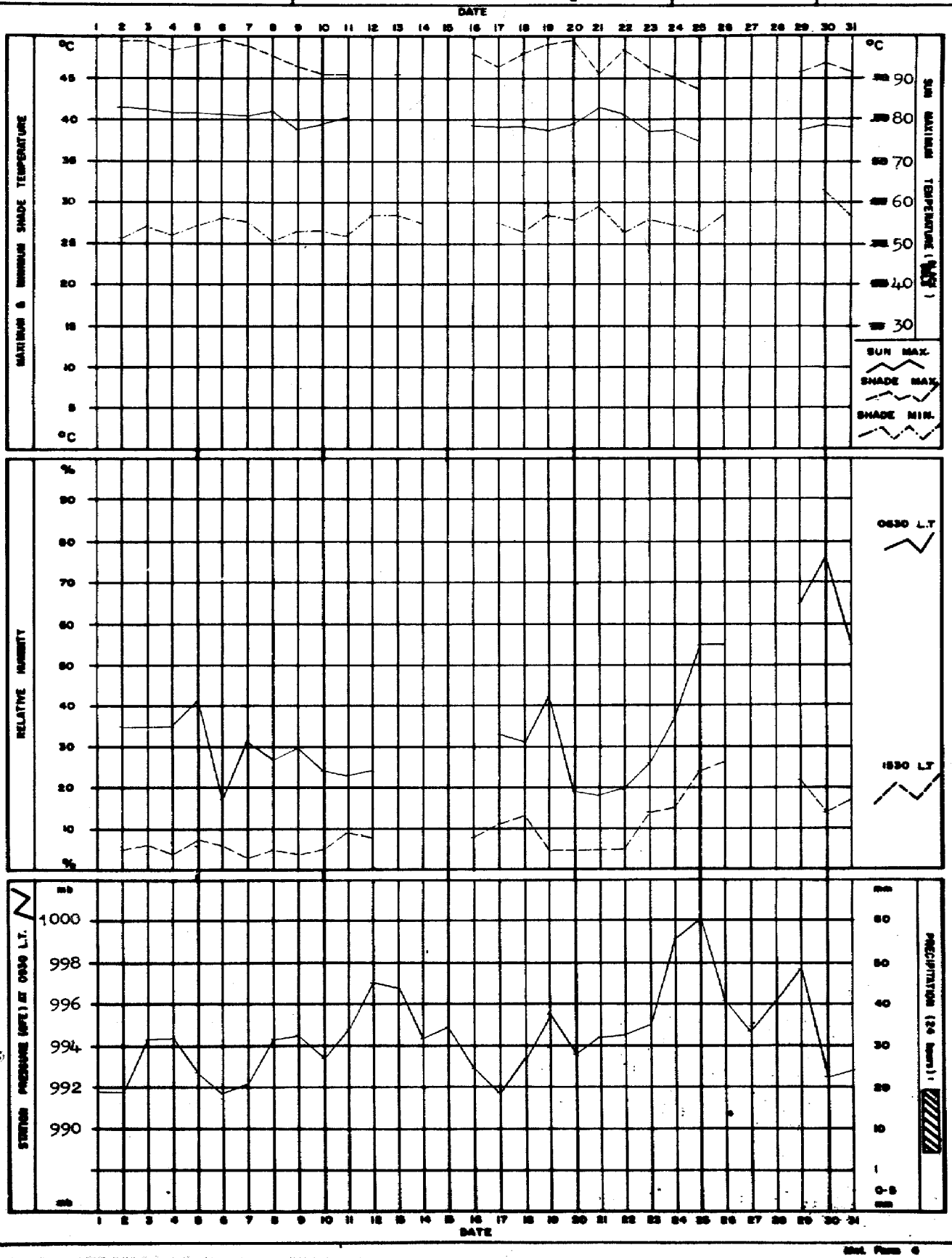
Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 5b

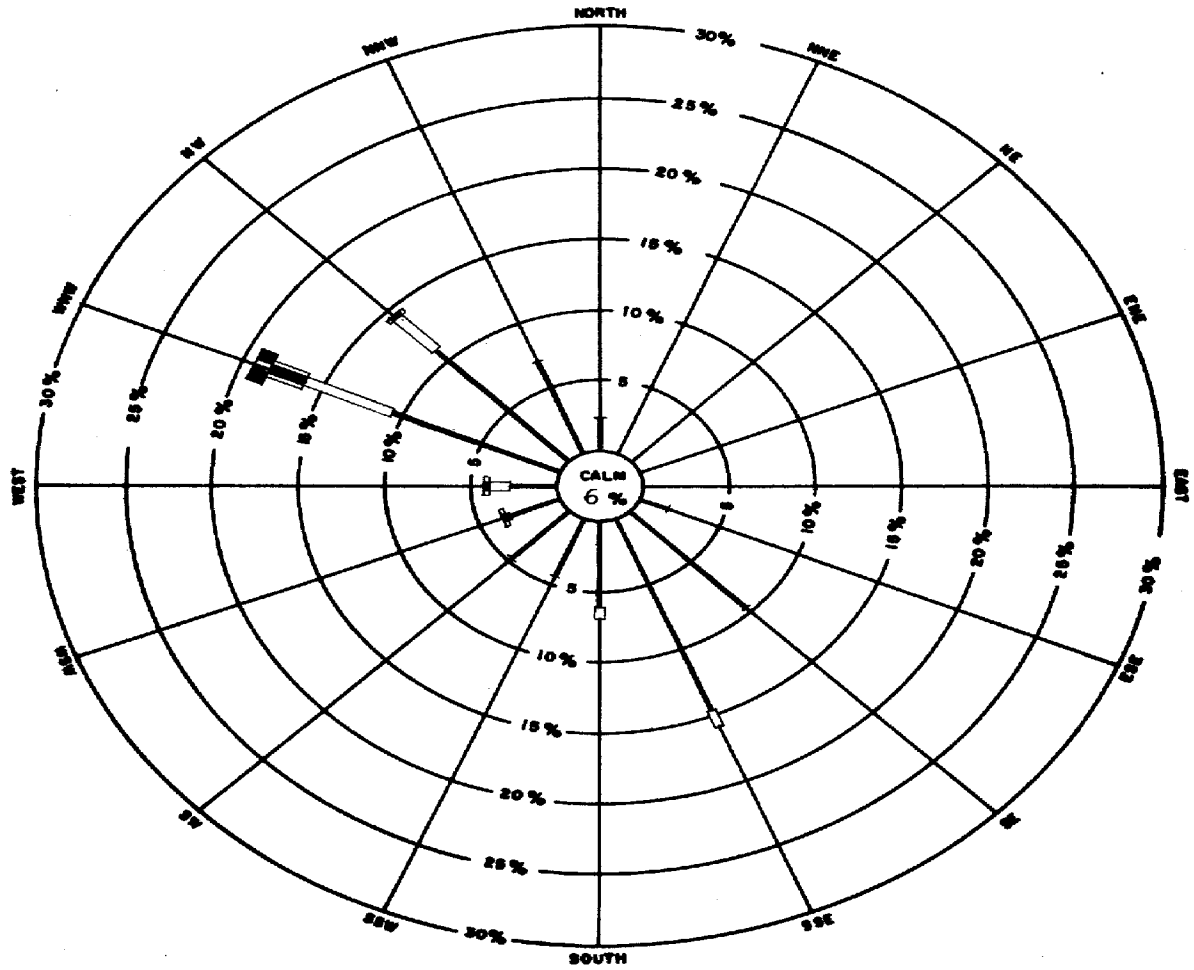
11.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



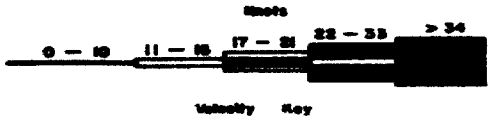
Met. Form 4

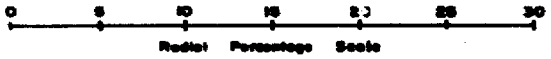
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: July	Year: 1961
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Hours in month 744

Hours recorded 596



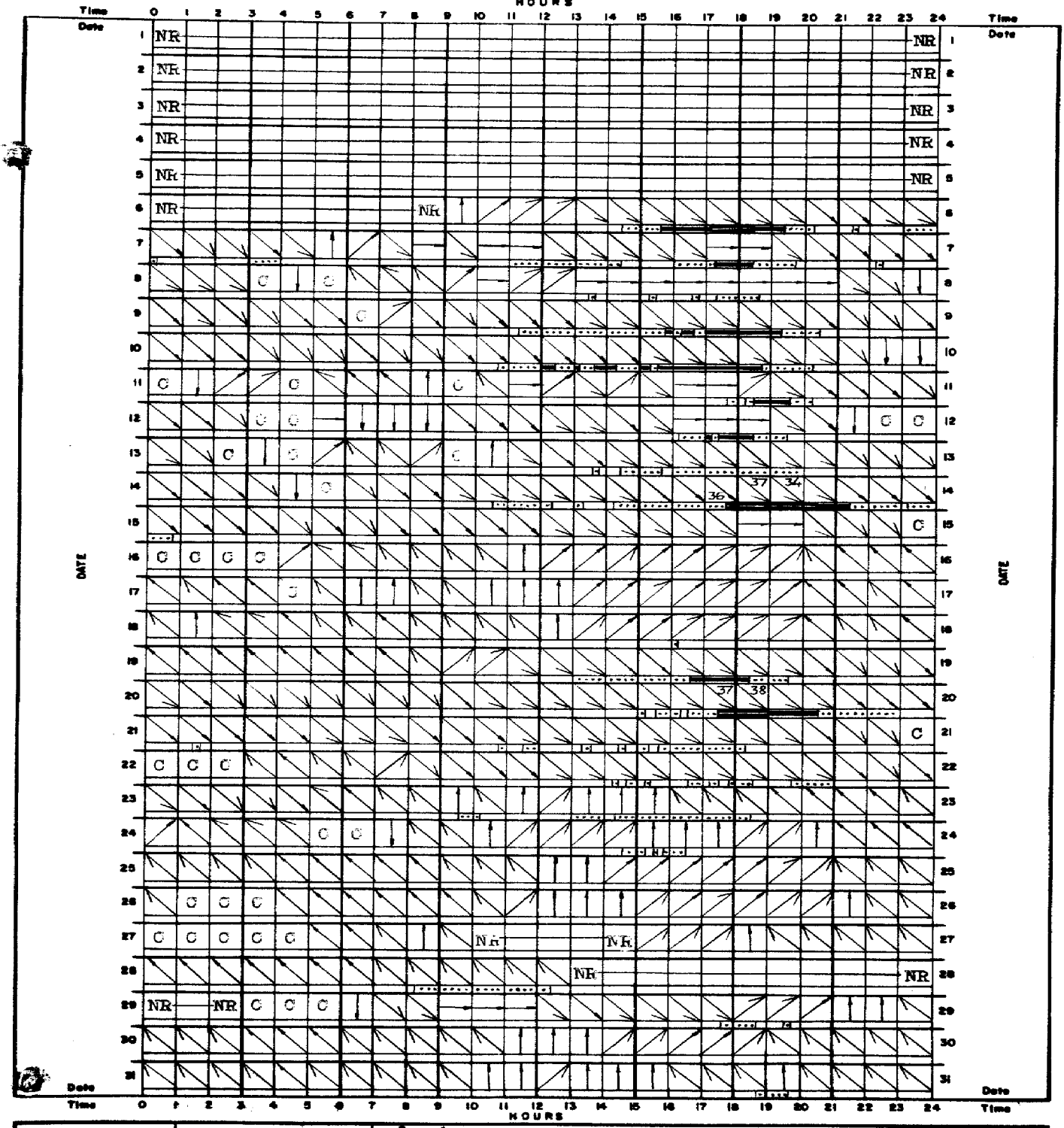


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

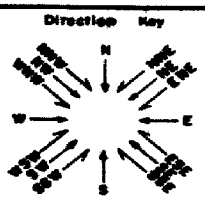
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: July	Year: 1961
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



3 4 40

Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks: Instrument started operating on 6th July.

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: July Year: 1961
Ground Level: 709 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Gach Saran
		Lat: 30°21' N Long: 50°48' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	
			Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Velocity					Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Speed			
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	27.0	18.2	11.7	13.8	38	915.9	–	0	0	1.5	41.2	21.0	5.0	8.8	11	915.2	–	0	0	7	1
2	25.7	16.8	9.7	12.0	37	916.7	–	0	0	15	41.8	25.2	16.5	18.8	23	917.2	110	10	0	20	2
3	27.0	14.4	0.5	6.3	18	919.5	–	0	0	20	41.0	20.2	1.8	7.1	9	919.1	200	16	0	20	3
4	24.4	15.8	8.3	11.0	36	919.2	–	0	0	20	41.5	21.2	5.3	8.9	11	918.6	090	8	0	20	4
5	24.6	14.8	5.4	9.0	29	917.7	–	0	0	10	42.5	19.8	-2.8	4.9	6	917.1	120	12	0	20	5
6	27.0	14.4	0.5	6.3	18	916.3	–	0	0	18	43.0	19.2	-7.6	3.2	4	916.0	069	12	0	20	6
7	26.4	15.8	6.1	9.4	27	916.7	–	0	0	10	43.8	20.6	-1.1	5.7	6	916.2	310	5	0	10	7
8	26.0	16.4	8.3	11.0	33	918.6	–	0	0	12	41.6	20.4	1.8	7.0	9	918.2	300	3	0	15	8
9	25.7	15.2	5.2	8.9	27	918.0	–	0	0	8	40.5	19.2	-1.9	5.2	7	917.4	240	15	0	10	9
10	25.4	15.6	6.8	9.9	31	916.6	–	0	0	6	38.8	18.8	-0.8	5.7	8	916.6	280	18	0	2	10
11	25.4	14.8	4.4	8.4	26	917.8	–	0	0	4	37.0	18.6	1.1	6.7	11	919.3	330	5	0	4	11
12	26.7	16.6	8.1	10.8	31	920.0	–	0	x	1	36.5	18.4	1.3	6.7	11	920.0	300	17	x	1	12
13	27.2	16.2	6.3	9.6	27	920.2	–	0	x	0.7	36.7	18.6	1.7	7.0	11	919.2	270	12	x	1	13
14	25.7	15.4	5.8	9.2	28	918.3	–	0	0	6	38.6	18.4	-2.4	5.0	7	917.5	270	12	0	4	14
15	25.3	15.4	6.2	9.5	30	917.7	–	0	0	6	38.0	18.4	-1.4	5.4	8	918.2	260	11	0	6	15
16	25.5	15.5	6.4	9.6	30	917.5	–	0	0	6	39.0	19.3	1.1	6.6	10	916.8	300	12	0	6	16
17	28.0	17.4	8.9	11.4	30	915.9	–	0	7	6	40.3	21.0	6.3	9.5	13	916.0	–	0	0	6	17
18	26.4	17.4	10.4	12.7	38	917.5	–	0	2	7	41.0	22.4	9.9	12.2	16	917.9	240	8	0	10	18
19	27.7	18.4	11.7	13.7	37	919.1	–	0	0	12	42.0	20.2	0.3	6.2	8	918.8	270	18	0	12	19
20	30.3	18.2	8.7	11.2	26	918.4	–	0	6	15	43.7	20.6	-0.7	5.8	6	917.5	240	14	3	20	20
21																					21
22	25.2	14.2	2.7	7.4	23	918.7	–	0	1	15	43.4	21.0	1.8	7.0	8	917.6	300	6	1	20	22
23	27.2	15.8	5.1	8.8	24	919.0	–	0	0	7	41.3	19.4	-2.3	5.0	6	919.1	200	6	1	20	23
24	24.6	17.6	12.5	14.5	47	922.4	–	0	0	10	41.7	20.6	2.7	7.4	9	922.7	030	3	0	10	24
25	26.4	19.6	15.3	17.4	50	923.6	–	0	5	10	37.4	22.6	13.6	15.6	24	922.2	–	0	0	10	25
26	27.0	20.8	17.2	19.6	55	919.5	–	0	0	15	37.0	22.8	14.4	16.4	26	919.7	300	10	0	15	26
27	28.0	21.2	17.3	19.7	52	918.4	–	0	0	15	41.3	23.4	12.5	14.5	18	917.3	260	14	1	15	27
28	27.0	19.4	14.4	16.5	46	919.1	–	0	5	12	36.6	23.6	16.4	18.7	30	920.8	160	7	0	15	28
29	28.6	19.4	13.2	15.2	39	921.1	–	0	5	15	37.3	24.4	17.8	20.3	32	920.2	270	8	0	18	29
30	27.2	20.8	17.1	19.4	54	917.8	–	0	0	12	42.0	22.0	7.6	10.5	13	916.9	–	0	0	20	
31	27.6	19.4	14.0	16.0	44	917.4	–	0	0	15	43.6	21.4	3.3	7.7	9	917.3	220	8	0	25	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Gach Saran

Ground Level: 709 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
40.2	21.6	8.3	11.0	15	914.2	270	15	0	6		43.3	26.1	25.2	80.0			0	Haze	1
41.8	26.0	18.2	20.9	26	916.1	250	6	0	25		42.7	24.0	23.8	74.4			0	Clear	2
38.5	23.0	13.6	15.6	23	918.4	270	14	0	25		43.0	24.5	23.1	74.4			0	"	3
39.2	19.3	0.7	6.4	9	916.6	280	12	0	25		42.7	22.6	21.8	74.0			0	"	4
39.6	19.8	0.2	7.3	10	915.0	270	15	0	10		43.1	23.3	21.7	75.0			0	"	5
40.8	19.3	-2.2	5.5	7	915.2	250	10	0	16		44.0	24.2	23.1	75.0			0	"	6
40.8	18.8	-4.4	4.2	6	916.2	-	0	0	10		44.4	24.8	23.8	76.1			0	Haze	7
40.2	18.6	-4.7	4.2	6	916.9	270	14	0	10		42.6	24.6	23.8	74.2			0	"	8
38.7	18.2	-3.8	4.5	7	916.1	290	18	0	10		41.7	24.3	23.3	73.3			0	"	9
36.8	17.7	-2.4	5.0	8	915.6	270	20	0	1.5		40.0	23.8	23.1	71.7			0	Dust	10
36.8	17.7	-2.4	5.0	8	918.6	260	12	0	4		38.8	24.4	23.0	71.1			0	Haze	11
35.4	17.8	0.6	6.4	11	919.2	260	11	x	1		38.2	26.5	26.0	70.5			0	Dust	12
36.7	18.6	1.7	7.0	11	918.3	-	0	x	2		38.7	26.3	26.0	70.5			0	"	13
38.6	18.4	-2.4	5.0	7	916.2	290	12	0	6		40.8	24.3	23.0	72.2			0	Haze	14
36.5	17.8	-1.7	5.4	9	916.6	280	11	0	6		40.1	24.8	24.2	72.2			0	"	15
37.0	19.7	5.6	9.1	15	915.4	290	11	0	6		40.5	24.7	24.3	71.7			0	"	16
38.7	19.9	4.1	8.2	12	915.3	270	10	0	7		42.0	26.5	26.0	73.3			0	"	17
39.5	20.0	3.3	7.8	11	916.8	260	14	0	10		42.9	25.5	24.7	73.9			0	"	18
40.7	19.1	-2.9	4.8	6	917.1	270	20	0	12		44.0	26.6	26.0	73.9			0	Clear	19
42.0	19.0	-6.1	3.5	4	916.3	270	7	6	20		44.8	29.4	28.5	76.1			0	P.Cloudy	20
											44.6	28.9	27.4	73.7			0	"	21
40.3	18.8	-3.4	5.3	7	916.5	240	17	1	10		44.7	24.3	23.8	76.1			0	Fair	22
37.0	20.2	7.2	10.2	16	919.1	250	10	0	7		43.2	25.4	24.4	75.5			0	Haze	23
35.5	22.8	15.4	17.5	28	921.3	250	13	0	10		42.4	24.3	23.4	75.0			0	"	24
36.5	23.2	15.6	17.7	29	919.1	260	20	0	10		39.9	25.0	24.4	71.1			0	"	25
37.2	23.6	16.1	18.3	29	917.1	270	12	1	10		40.0	25.2	24.8	71.1			0	"	26
38.5	22.9	13.4	15.4	23	916.1	280	16	2	12		42.3	26.4	25.7	74.0			0	Fair	27
36.4	24.2	17.8	20.4	33	918.5	270	12	0	15		40.0	25.5	25.0	70.5			0	"	28
38.0	24.0	16.4	18.6	28	917.7	280	20	1	20		40.0	27.5	27.0	71.5			0	"	29
[illegible].0	23.6	14.7	16.8	24	916.0	300	15	0	20		43.6	26.5	26.0	75.0			0	Clear	30
37.5	26.4	21.4	25.6	40	917.3	250	12	3	15		44.5	26.5	25.8	76.6			0	Fair	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

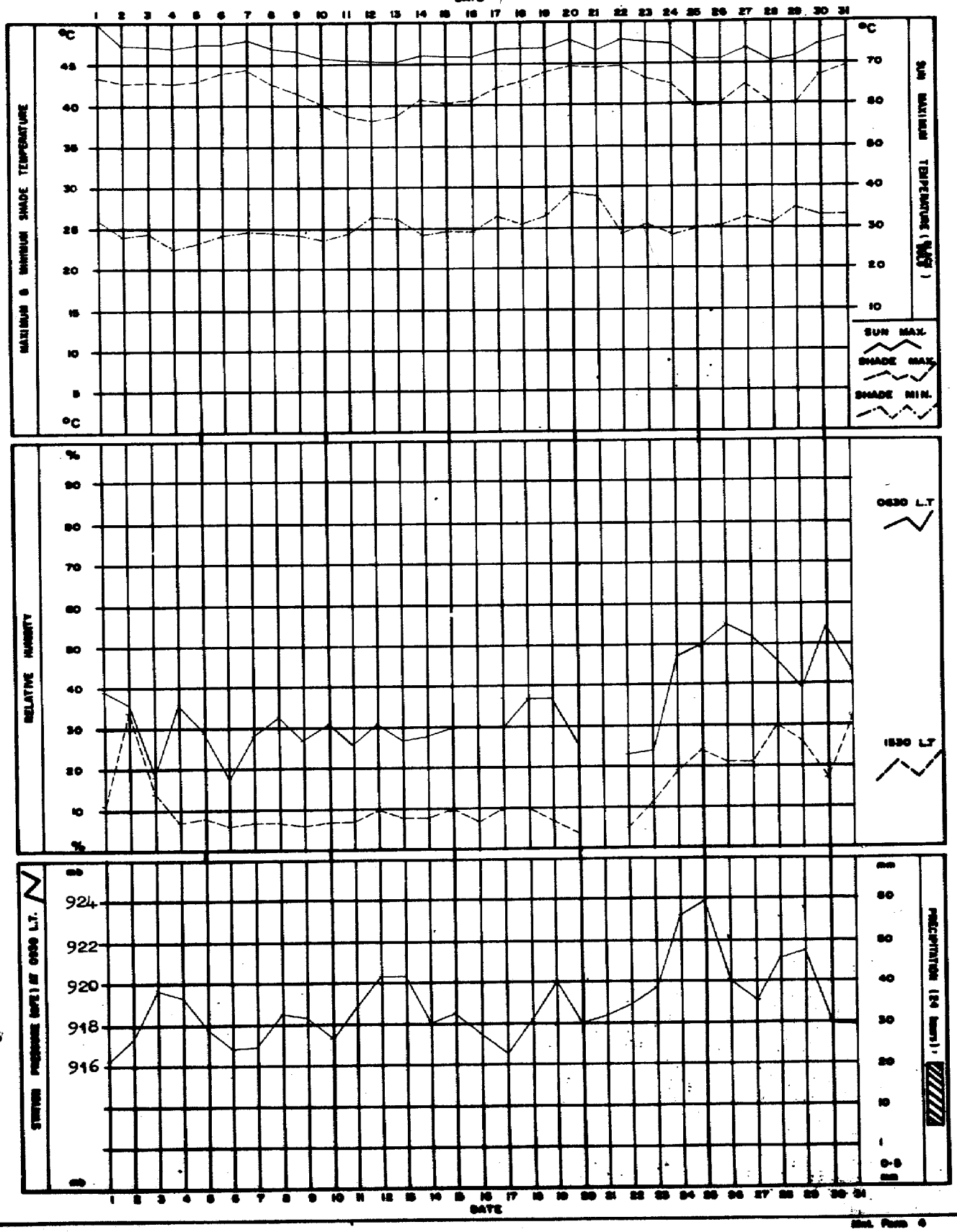
Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Gach Saran	
Ground Level: 709 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°21' N.	Long: 50°48' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Bandar Mashur

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	26.8	17.4	10.0	12.3	35	994.5	290	8	0	5	42.2	22.0	7.5	10.3	13	992.7	270	22	0	20	1
2	26.5	18.5	12.9	14.9	44	992.4	290	2	0	5	44.5	24.0	11.4	13.5	15	993.0	180	10	0	14	2
3	28.5	21.0	16.5	19.0	49	994.7	270	5	0	7	41.0	23.0	11.7	13.7	18	995.6	180	8	0	4	3
4	28.0	19.2	13.1	15.2	41	995.7	320	12	0	3	42.5	23.5	11.7	13.8	16	995.5	180	6	0	4	4
5	27.5	19.5	14.3	16.3	45	994.2	270	16	0	1.5	44.0	23.5	10.2	12.6	14	992.7	300	10	0	3	5
6	27.0	17.5	10.1	12.4	35	992.1	280	8	0	18	44.0	23.0	8.8	11.3	12	992.6	280	18	0	18	6
7	26.0	18.5	13.3	15.3	46	993.4	270	7	0	20	43.5	21.5	3.8	8.1	9	998.3	290	10	0	20	7
8	27.0	18.0	11.3	13.4	38	994.4	270	2	0	18	42.8	21.8	5.9	9.4	11	995.0	280	12	0	20	8
9	26.2	18.2	12.4	14.5	42	994.8	360	2	0	2	42.0	21.2	4.7	8.6	10	995.2	280	20	0	18	9
10	25.5	16.8	10.0	12.4	38	993.9	-	0	0	8	43.0	20.5	0.0	6.1	7	994.5	290	10	0	12	10
11	27.0	18.0	11.6	13.4	39	994.4	-	0	0	2	41.5	21.5	6.4	9.7	12	996.1	190	10	0	10	11
12	26.5	18.0	11.7	13.7	39	997.6	-	0	0	3	40.0	22.0	9.7	12.1	16	997.8	280	12	x	0.7	12
13	26.0	18.8	14.0	16.0	48	998.0	-	0	0	6	41.5	20.2	1.2	6.7	8	997.6	310	14	0	6	13
14	26.0	17.0	9.8	12.2	37	996.2	300	6	0	7						995.2					14
15	26.2	17.4	10.6	12.9	37	996.3	-	0	0	5	42.0	22.0	7.6	10.5	13	996.0	290	8	0	12	15
16	28.5	18.0	10.0	12.3	32	993.6	-	0	0	3	41.0	22.0	8.7	11.3	15	993.8	260	5	0	12	16
17	24.5	16.0	8.9	11.6	38	991.7	140	6	1	18	43.0	23.0	9.8	12.2	14	992.4	150	5	0	20	17
18	29.0	26.0	24.8	31.3	78	992.8	140	5	0	18	41.0	26.5	19.7	23.1	30	994.5	160	7	0	20	18
19	27.0	20.0	15.6	17.8	50	995.8	270	3	0	6	45.5	21.5	0.8	6.5	7	996.5	300	12	0	12	19
20	28.0	18.0	10.4	12.7	34	993.9	270	8	0	18	45.0	22.5	5.8	9.3	10	994.2	300	16	0	6	20
21	28.5	18.0	9.9	12.3	32	994.3	300	10	0	18						995.9					21
22	28.0	18.2	10.9	13.1	35	995.6	180	3	0	12	44.0	22.0	5.1	8.8	10	995.1	280	10	0	2	22
23	29.0	20.0	14.2	16.2	40	994.9	290	5	0	4	42.0	24.0	13.8	15.5	19	996.3	290	6	0	8	23
24	27.0	23.0	20.9	25.0	70	998.9	040	4	0	5	40.0	24.0	15.0	17.1	23	1000.0	180	10	0	8	24
25	29.5	26.5	25.3	32.2	78	1000.0	160	6	0	10	38.5	27.0	21.9	26.5	39	999.9	180	9	0	18	25
26	29.5	27.0	26.0	33.7	82	996.3	160	5	0	16	38.5	28.0	23.8	26.5	39	996.6	140	6	0	18	26
27	30.0	27.0	25.7	33.4	78	994.9	100	7	0	16	40.5	25.5	17.0	20.5	28	994.8	270	10	0	20	27
28	32.0	28.5	27.2	36.2	76	994.6	120	8	6	20						996.8*					28
29	30.0	28.0	27.1	36.2	84	998.1	040	3	0	6	40.0	27.5	22.2	26.8	31	997.7	170	10	0	8	29
30	28.5	21.0	16.6	18.9	49	994.0	130	4	0	20						993.4*					
31	27.0	18.0	11.4	13.4	37	993.4	260	5	0	2	40.0	23.0	12.5	14.4	20	994.4	220	4	0	18	31

* Values obtained from barograph.

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 - 5/8

Cloudy: Average of cloudiness = 6/8 - 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km (Continued)

Met. Form 5a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Bandar Mashur

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

Observations at 1830											Extreme Temperature				Max. Wind				
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Sea Temperature at 0930	Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity	24 hour Rainfall (1830-1830)	Remarks	Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
43.5	23.0	9.2	11.7	13	991.0	270	24	0	20		46.0	26.2		76.0	310	29	0	Haze	1
44.5	25.5	15.3	17.4	19	992.1	240	15	0	20		46.8	26.0		80.0	250	14	0	"	2
44.0	23.0	8.8	11.3	13	993.6	270	12	0	20		46.5	26.2		78.0	210	17	0	"	3
44.0	23.5	10.3	12.6	14	992.6	290	16	0	20		46.6	27.2		80.0	270	19	0	"	4
45.5	21.5	0.8	6.5	7	991.3	290	14	0	18		47.6	26.5		81.0	250	25	0	"	5
43.5	21.5	3.8	8.1	9	990.9	290	25	0	18		47.4	25.7		77.0	300	32	0	Clear	6
44.5	21.0	0.0	6.1	7	992.1	300	20	0	20		47.2	25.4		77.2	280	26	0	"	7
43.5	21.0	1.8	7.0	8	993.5	300	15	0	20		45.5	25.3		78.0	310	27	0	"	8
41.5	20.5	2.6	7.5	9	993.3	290	16	0	20		45.0	25.2		77.0	280	30	0	Haze	9
40.8	20.0	1.5	6.9	9	993.5	290	20	0	5		46.0	23.5		80.0	270	38	0	"	10
40.0	20.0	2.7	7.4	11	995.4	290	20	x	0.2		43.0	26.0		76.0	270	27	0	Dust	11
39.0	20.4	5.6	9.1	13	997.9	290	12	0	3		42.8	26.0		75.4	270	26	0	"	12
40.0	20.0	2.6	7.4	9	996.8	290	16	0	6		43.5	24.0		76.8	270	27	0	Haze	13
41.5	20.5	2.6	7.4	9	994.3	300	20	0	6		44.8	25.4		74.8	270	40	0	"	14
41.5	21.5	6.4	9.7	12	993.6	310	6	0	10		43.0	25.5		75.0	270	19	0	"	15
38.0	20.0	5.4	9.0	14	991.5	180	10	0	18		43.0	27.0		76.4	240	15	0	"	16
39.0	25.0	17.9	20.4	29	991.0	170	8	0	20		44.0	29.0		77.5	180	16	0	Fair	17
41.5	26.5	19.4	22.7	29	993.1	180	10	0	20		43.0	27.2		74.0	180	13	0	Clear	18
44.5	21.5	2.3	7.2	8	993.8	290	10	0	12		47.8	26.5		74.2	280	26	0	Haze	19
44.3	21.0	0.2	6.2	7	993.0	300	25	0	8		48.0	26.2		72.5	280	40	0	"	20
					995.0*						45.0	26.2		77.5	290	24	0	Clear	21
44.5	22.5	6.4	9.8	10	992.5	300	12	0	15		47.8	26.0		80.0	300	25	0	"	22
39.5	25.5	18.6	20.4	29	994.7	180	12	0	18		44.2	28.0		77.0	180	19	0	Haze	23
36.0	26.0	21.5	26.6	45	998.3	180	12	0	12		42.0	26.0		77.7	180	21	0	"	24
37.0	27.0	22.7	27.8	44	996.8	180	8	0	18		40.0	29.0		72.0			0	"	25
37.0	27.2	23.0	28.2	45	993.8	180	10	0	18		40.0	28.3		72.5	200	18	0	Clear	26
38.0	28.0	23.9	29.8	46	991.6	180	12	0	20		42.0	29.0		74.0	200	14	0	"	27
36.5	32.0	30.6	44.0	72	996.3						40.0	31.2		71.8	200	21	0	P.Cloudy	28
36.5	31.5	29.8	42.4	70	994.1	190	14	0	20		42.0	30.0		74.0	060	17	0	Haze	29
40.0	29.5	25.6	32.9	45	991.0	180	8	0	8		44.5	28.5		75.0	270	16	0	"	30
45.5	22.0	3.2	7.7	8	992.3	290	10	0	8		47.2	26.2		77.5	300	19	0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

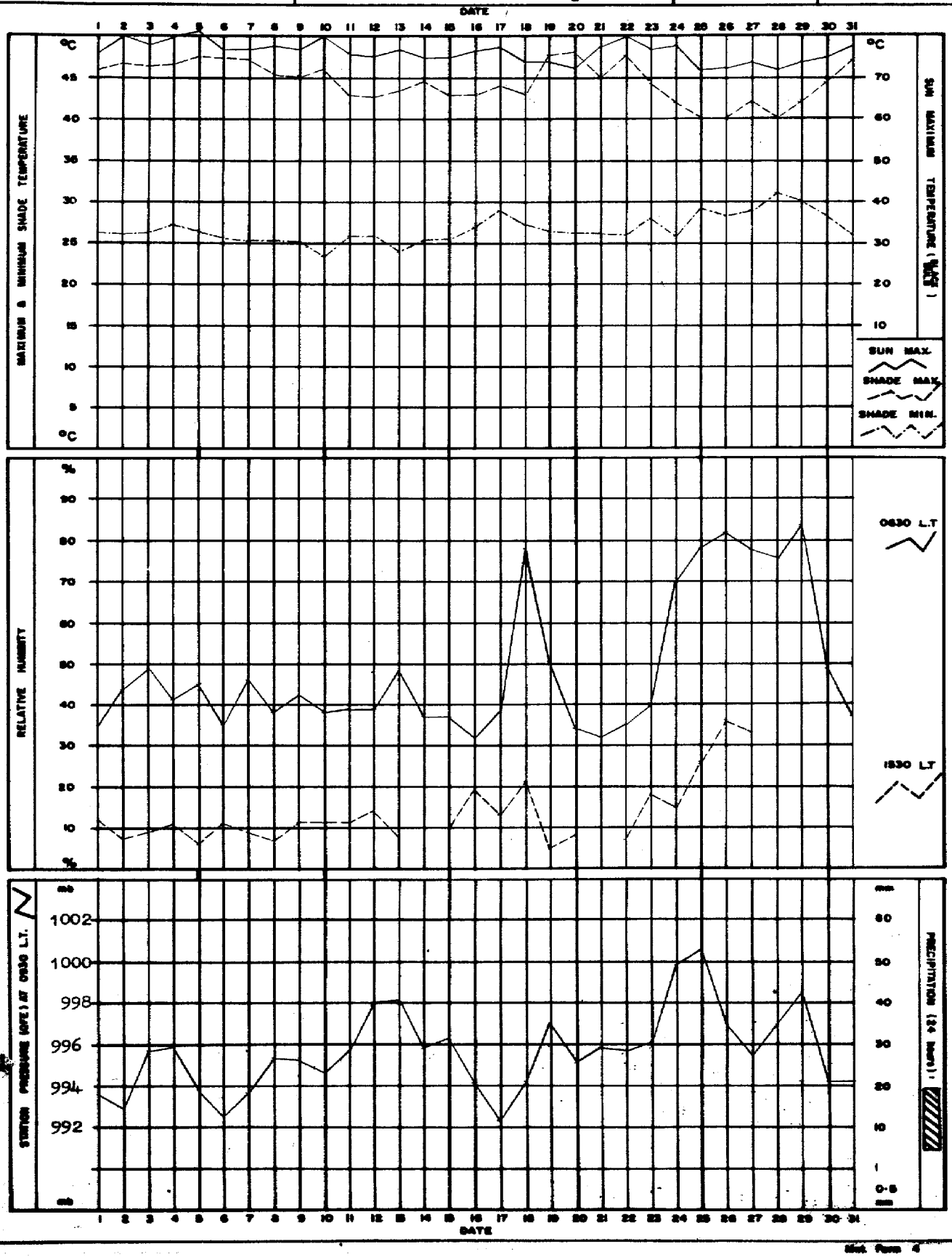
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

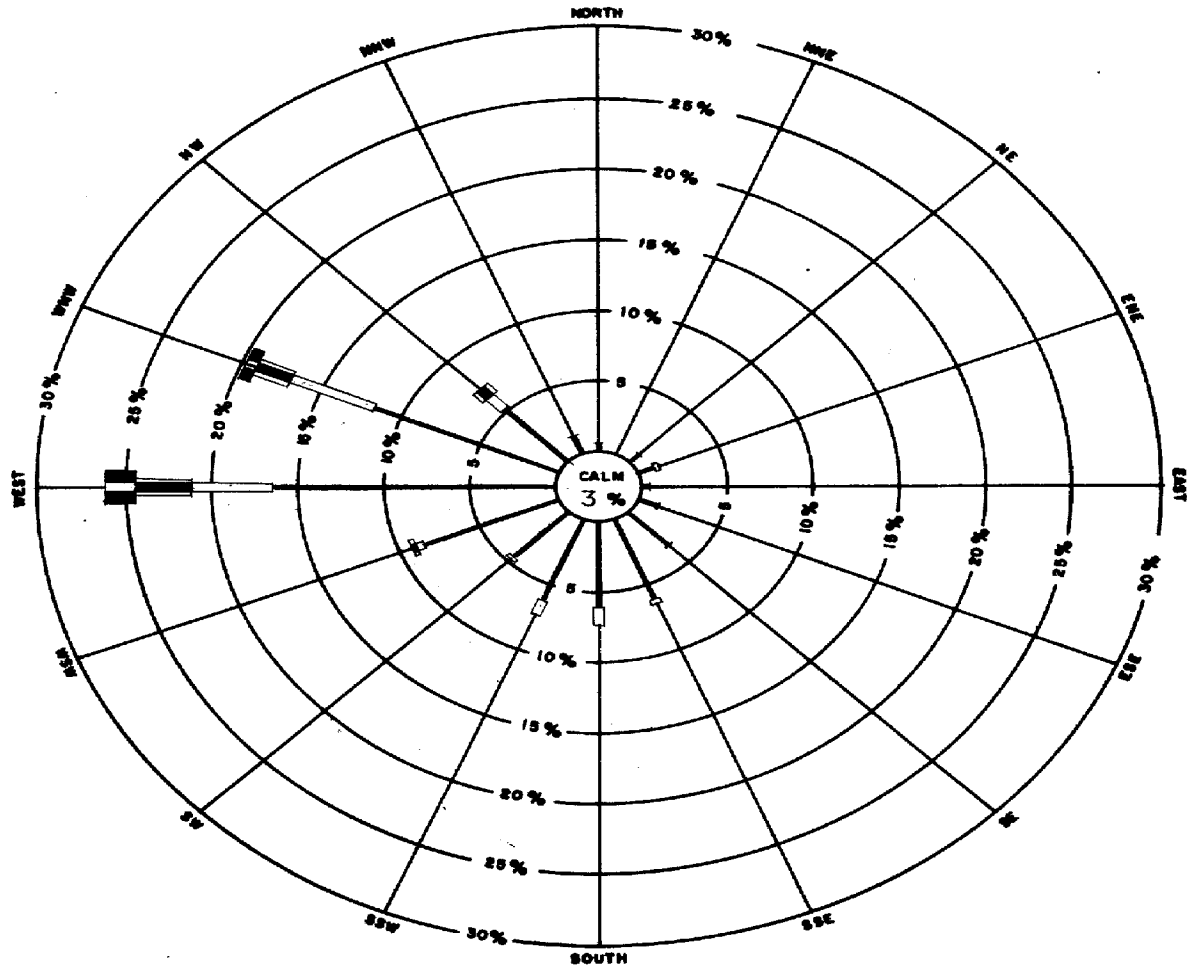
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



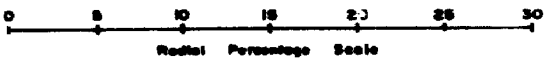
Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: July	Year: 1961
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Hours in month 744

Hours recorded 705



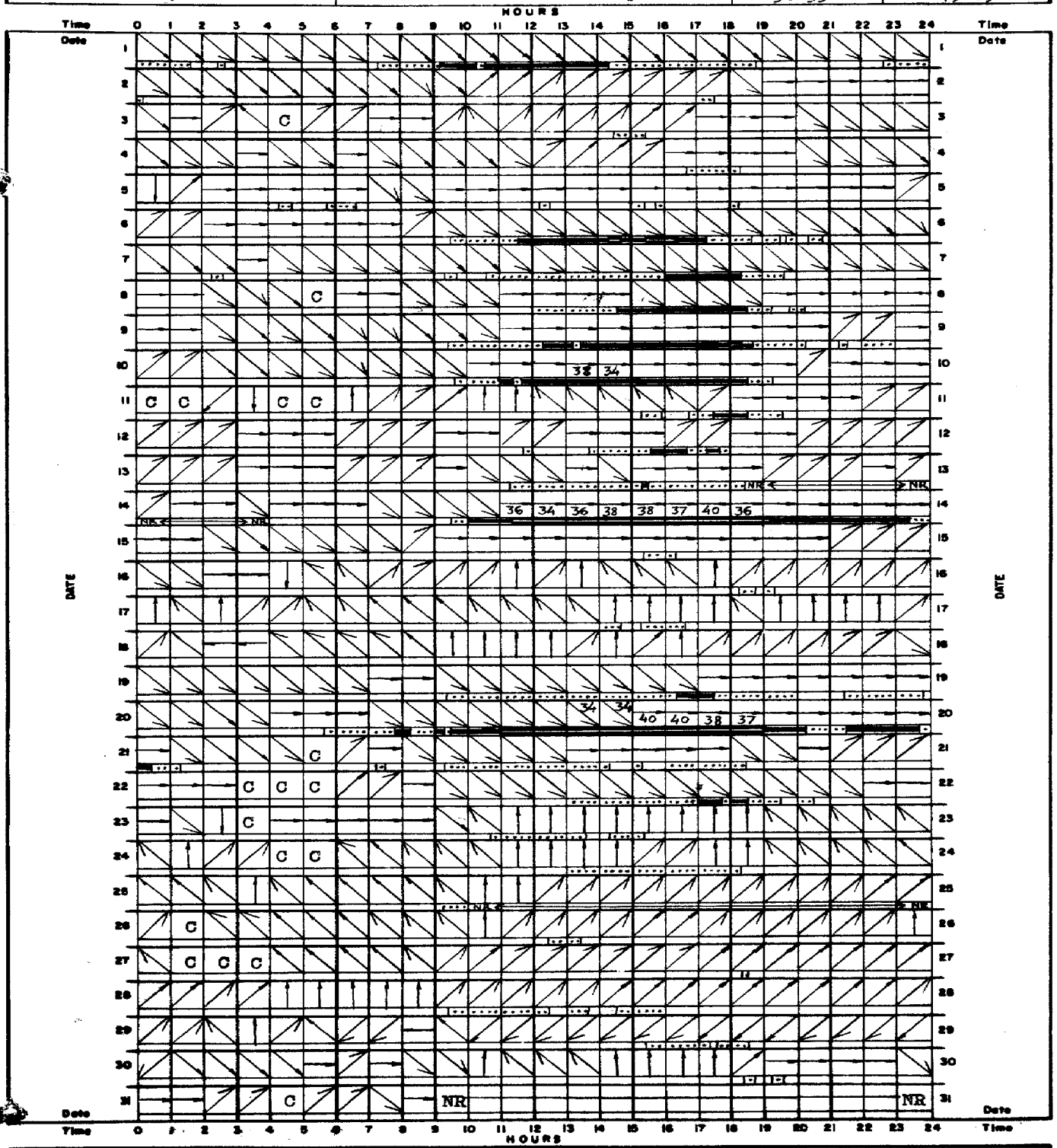
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks: The wind directions WSW, W, and WNW constitute together 55.2% of all observations.

Met. Form 5

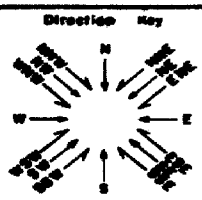
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: July	Year: 1961
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Ref. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	30.5	23.4	19.8	23.1	53	992.5	350	20	0	5	34.2	24.0	18.8	21.7	40	992.9	290	20	0	15	1
2	29.2	26.2	24.9	31.6	78	992.1	300	8	0	2	35.0	27.2	24.0	29.9	53	992.6	360	10	0	5	2
3	28.8	24.4	22.4	27.0	68	995.0	–	0	0	10	36.0	27.6	24.2	30.2	50	995.4	340	8	0	3	3
4	29.2	26.5	25.4	32.5	80	995.3	300	8	0	2	34.6	25.6	21.4	25.6	47	995.6	290	11	0	3	4
5	29.6	26.6	25.3	32.3	78	994.0	330	7	0	3	34.4	25.6	21.6	25.8	48	993.8	310	7	0	3	5
6	29.6	25.8	24.2	30.2	74	992.4	320	10	0	10	34.0	26.0	22.4	27.1	51	992.9	320	13	0	20	6
7	30.0	26.4	24.9	31.5	74	993.5	360	6	0	10	35.2	24.0	18.2	20.9	36	993.4	320	15	0	25	7
8	30.8	23.8	20.4	23.9	53	994.9	340	5	0	5	35.4	25.4	20.7	24.4	41	995.8	300	10	0	25	8
9	30.6	25.2	22.8	27.7	62	995.1	300	10	0	3	34.8	24.2	18.8	21.7	39	995.4	290	17	0	3	9
10	30.2	24.4	21.6	25.9	60	994.1	330	5	0	3	35.6	25.4	20.7	24.3	42	994.6	310	10	0	6	10
11	30.0	25.6	23.7	29.4	69	994.8	270	6	0	3	38.0	24.2	16.8	19.2	29	997.0	270	5	0	20	11
12	30.2	26.0	24.2	30.3	71	997.4	280	6	0	5	35.0	25.0	20.2	23.7	42	998.4	320	8	0	8	12
13	30.6	24.0	20.8	24.6	56	997.9	300	5	0	2	34.2	25.4	21.3	25.5	47	997.8	320	10	0	5	13
14	30.8	24.2	21.0	24.9	56	995.2	320	12	0	8	34.4	25.6	21.6	25.8	46	995.3	320	15	0	20	14
15	31.0	23.6	19.8	23.2	52	994.8	320	10	0	10	35.5	24.2	18.4	21.2	37	996.0	320	12	0	20	15
16	28.4	24.2	22.2	26.8	69	994.7	–	0	0	5	36.0	26.6	22.6	27.4	46	994.8	250	8	0	8	16
17	28.6	22.2	18.8	21.6	55	999.8	–	0	1	15	36.6	27.4	23.6	29.1	47	993.0	180	8	0	20	17
18	28.6	23.2	20.5	24.1	62	993.7	–	0	1	15	34.8	29.6	27.8	37.4	67	994.8	140	6	0	20	18
19	30.6	28.0	27.0	35.6	81	995.6	0	0	2	15	35.4	30.0	28.1	38.0	66	996.2	330	7	0	20	19
20	31.8	24.8	21.6	25.8	54	994.7	320	10	2	16	36.6	24.6	18.6	21.3	35	994.6	330	15	0	20	20
21	30.8	23.8	20.4	23.9	53	995.0	340	13	1	5	35.0	25.0	20.2	23.7	41	996.6	350	11	0	6	21
22	29.6	25.0	22.8	27.9	67	995.3	–	0	0	15	37.6	21.8	11.9	13.9	20	995.0	310	14	0	20	22
23	30.0	28.0	27.2	36.2	85	995.7	–	0	0	2	33.8	30.0	28.7	39.4	75	996.9	180	7	0	15	23
24	29.4	25.4	23.7	29.1	71	998.8	–	0	0	10	36.6	28.6	25.6	32.8	52	1000.7	200	15	1	18	24
25	30.4	29.4	29.0	40.1	92	1000.3	–	0	3	20	35.4	28.0	25.0	31.9	55	1000.3	090	3	0	20	25
26	29.6	28.0	27.4	36.5	88	996.7	–	0	0	15	34.4	30.2	28.8	39.5	73	997.0	120	6	0	20	26
27	30.0	29.0	28.6	39.1	92	995.5	–	0	2	20	35.2	29.4	27.3	36.3	63	995.1	160	5	3	20	27
28	30.8	28.6	27.7	37.5	84	996.8	080	8	0	15	36.0	30.0	27.9	37.7	63	997.1	180	8	0	20	28
29	31.8	30.6	30.8	43.0	94	998.7	170	4	5	8	36.0	30.6	28.7	39.6	66	997.8	180	5	0	20	29
30	31.4	30.4	30.1	42.6	92	994.7	–	0	0	15	37.0	28.8	25.7	33.8	52	994.4	150	10	0	20	30
31	31.4	29.8	29.2	40.6	88	993.6	160	4	0	5	34.6	30.6	29.3	40.8	74	994.9	180	9	0	12	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
35.2	24.0	18.2	20.9	37	991.2	280	15	0	8		36.5	30.0	28.9	66.5	110	30	0	Haze.	1
35.0	25.0	20.2	23.7	41	992.7	320	5	0	20		39.4	29.0	28.8	70.6	350	16	0	"	2
35.0	25.0	20.2	23.7	42	993.7	300	10	0	3		37.5	28.0	25.6	67.6	300	16	0	"	3
33.0	25.2	21.5	25.7	51	993.6	350	5	0	3		36.2	28.3	26.2	65.4	[illegible]	17	0	"	4
33.4	25.8	22.4	27.2	53	991.5	300	7	0	2		35.0	28.3	27.4	66.5	280	15	0	"	5
36.2	25.2	19.9	23.2	39	991.0	320	10	0	20		37.6	28.7	26.2	66.5	300	20	0	Clear.	6
34.8	25.2	20.7	24.3	43	992.6	310	9	0	25		37.4	28.0	26.4	66.5	310	20	0	"	7
36.6	24.0	17.3	19.7	32	994.2	280	10	0	8		37.5	29.6	27.5	65.9	[illegible]	[illegible]	0	Haze.	8
36.0	23.0	15.6	17.7	29	993.4	290	12	0	6		37.5	30.0	28.4	66.5	280	21	0	"	9
35.8	23.6	17.0	19.4	33	993.1	270	15	0	10		39.4	29.4	27.6	67.6	280	21	0	"	10
32.8	27.2	24.9	31.6	63	996.2	280	5	0	20		38.9	29.0	25.5	68.8	270	9	0	"	11
33.0	25.6	22.3	26.9	54	997.1	270	8	0	0.6		38.0	29.0	26.0	68.2	270	15	0	Dust.	12
33.6	23.8	18.8	21.7	42	995.5	280	12	0	8		35.1	29.9	28.6	64.9	280	24	0	Haze.	13
35.2	25.2	20.4	24.1	43	993.4	280	18	0	8		37.4	30.5	29.6	64.9	300	29	0	"	14
33.2	24.2	19.7	23.0	45	994.4	260	13	0	10		37.4	30.6	29.5	65.4	320	25	0	Clear.	15
35.4	24.2	18.4	21.2	36	992.7	280	4	1	20		38.1	27.8	25.2	66.5	260	11	0	Haze.	16
36.5	25.0	19.3	22.5	37	991.5	270	5	0	15		40.4	27.9		70.6	180	10	0	Clear.	17
35.0	27.6	24.6	31.0	55	994.0	280	6	1	20		39.8	27.5	23.7	69.4	270	7	0	"	18
37.0	25.4	19.8	23.1	36	993.6	280	13	0	20		39.6	28.6	25.2	66.0	300	27	0	"	19
37.2	25.4	19.7	23.0	35	992.5	280	15	5	5		39.5	31.6	30.4	69.4	300	30	0	Haze.	20
34.6	22.6	15.7	17.8	32	994.7	300	10	0	10		36.4	30.6	30.5	66.0	320	26	0	"	21
36.6	22.8	14.6	16.7	27	993.4	260	15	0	2		38.3	28.4	24.2	68.2	280	19	0	"	22
32.2	30.0	29.2	40.7	86	995.9	130	6	2	18		36.8	28.8	26.2	68.2	220	23	0	"	23
33.4	29.0	27.4	36.5	71	999.1	200	3	1	20		37.0	27.4	25.2	69.4	200	14	0	Fair.	24
34.0	27.6	25.1	31.8	59	997.2	210	6	0	20		38.4	30.2	28.4	68.2	190	6	0	"	25
33.8	28.8	27.0	35.6	68	994.4	280	3	0	20		37.0	28.6	26.2	65.4	180	8	0	Clear.	26
34.6	28.6	26.6	34.8	62	993.4	–	0	0	20		38.6	29.0	27.2	68.2	220	11	0	Fair.	27
34.2	30.8	29.7	41.7	78	995.8	180	5	0	20		37.0	30.2	28.4	66.5	190	13	0	Clear.	28
33.6	30.4	29.3	40.9	79	995.1	260	10	0	20		37.0	30.3	29.2	67.1	180	11	0	Mist.	29
[illegible]	27.2	24.0	29.8	52	992.5	270	2	0	25		37.2	30.6	28.8	67.1	270	14	0	Clear.	30
33.2	28.4	26.5	34.6	68	994.1	230	10	0	12		36.6	29.7	26.9	65.4	180	19	0	Mist.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0.5 mm

Rain: Rain not falling as showers

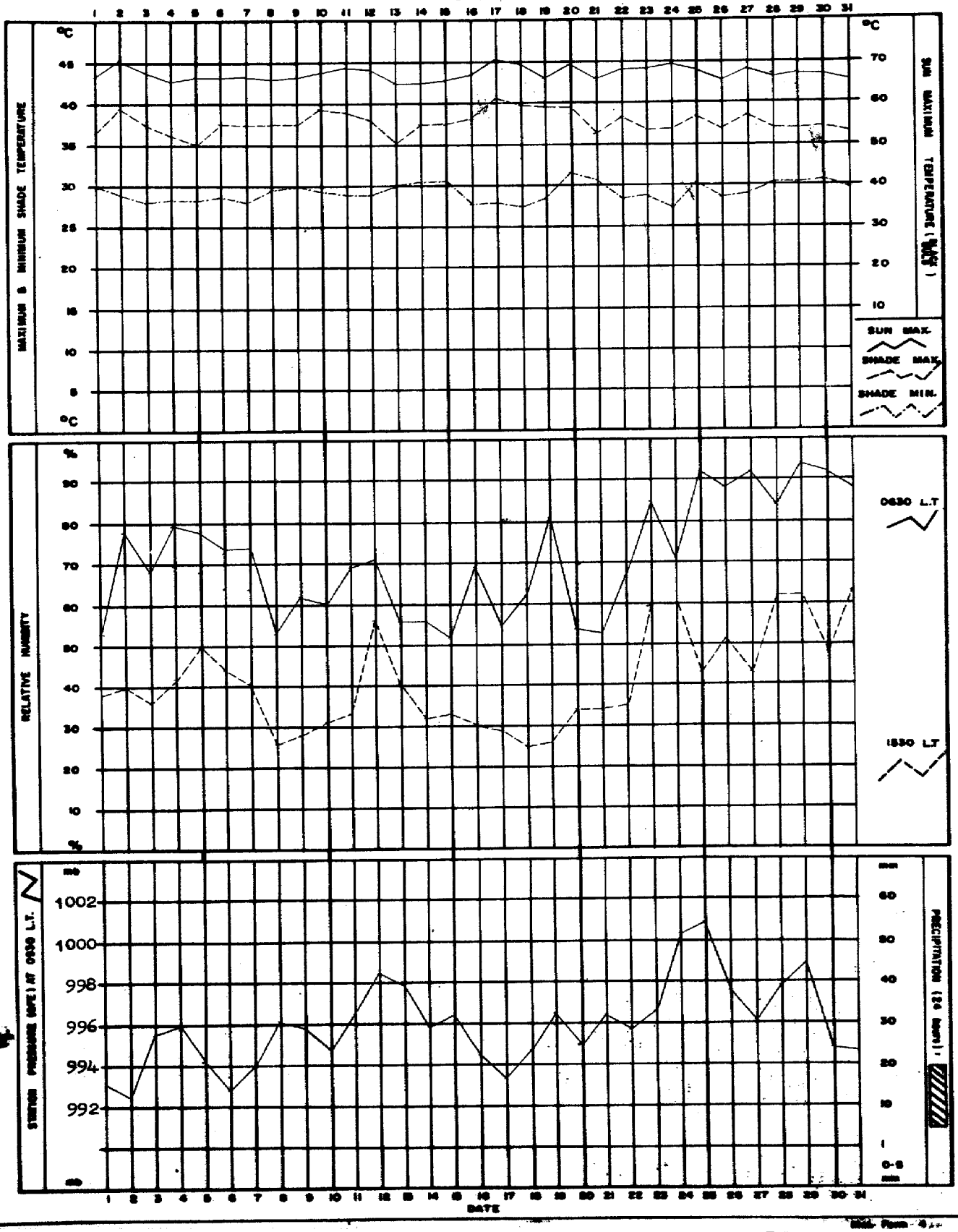
Snow: Snowfall

Rainsh.: Rain falling as showers

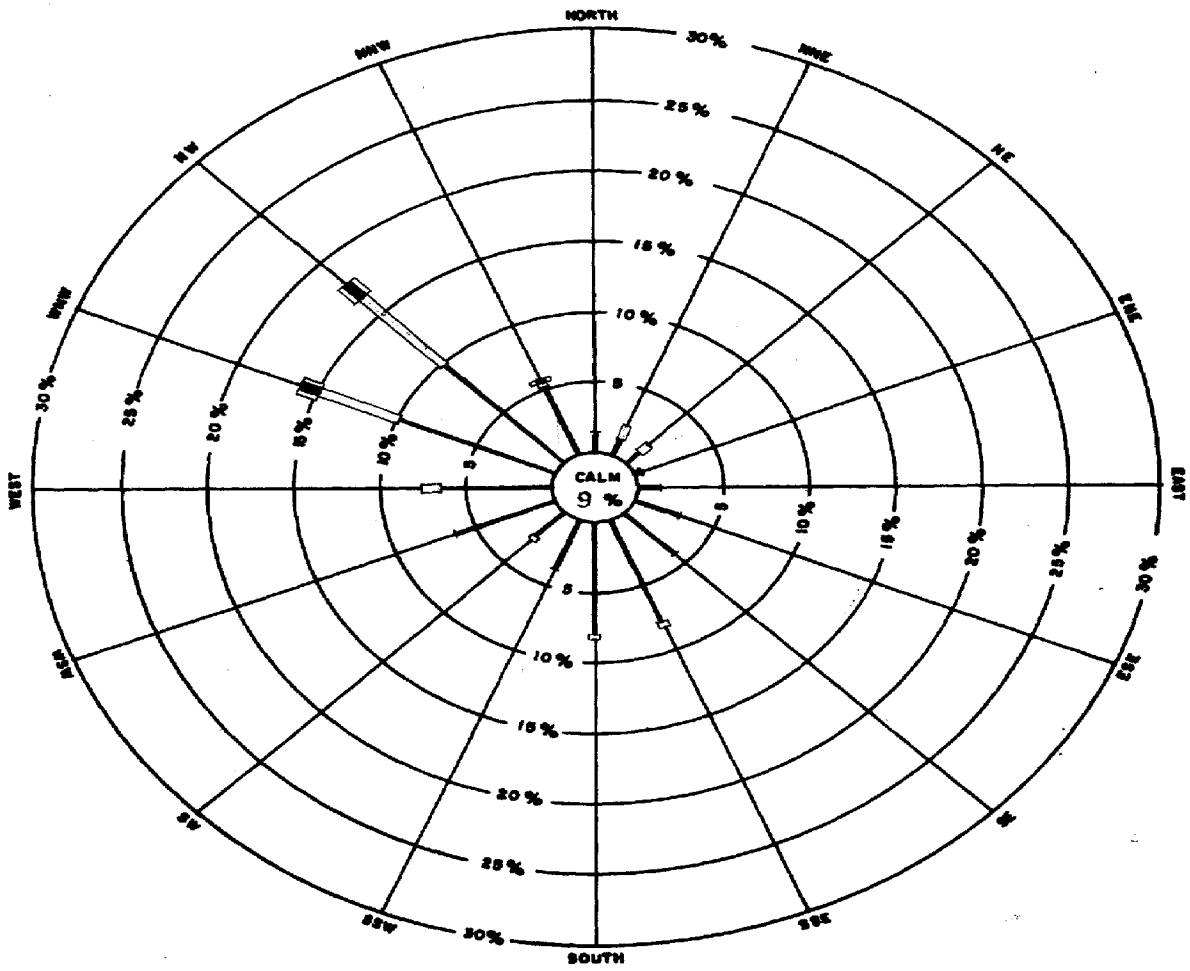
Hail: Solid precipitation

Th.storm.: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E

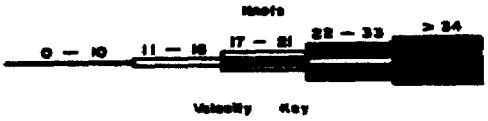


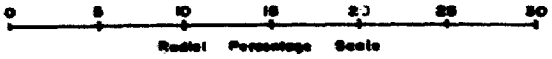
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: July	Year: 1961
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Hours in month 744

Hours recorded 705





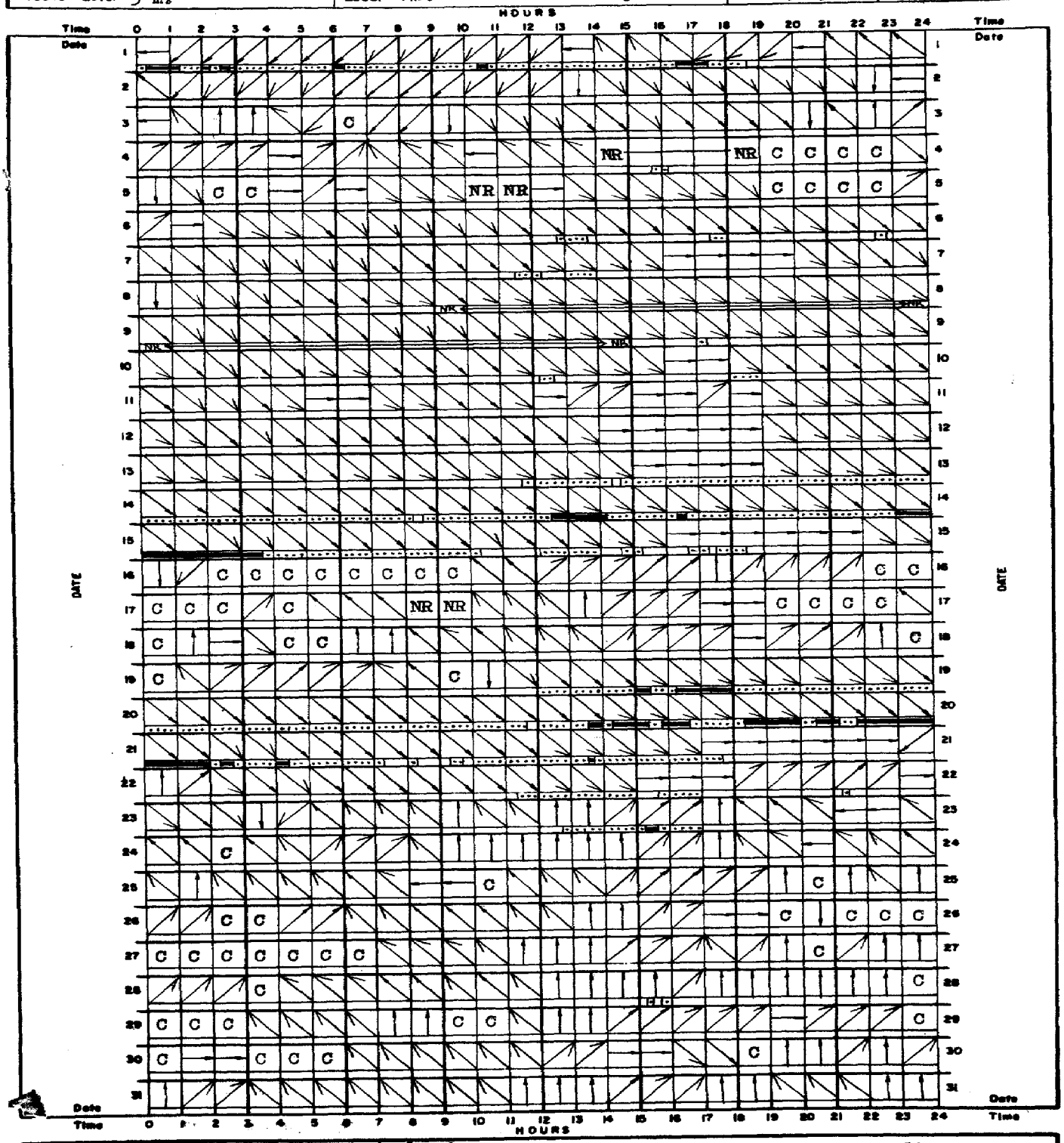
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

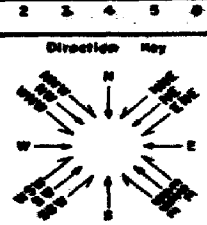
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: July	Year: 1961
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E

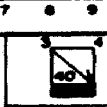


Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key





Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks: Instrument overhauled and checked on 5th and 17th.

Mil. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Sheikh Shu'aib.

Ground Level: 40 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 26°50' N | Long: 53°10' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	28.1	27.8	27.7	37.1	97	987.5	120	3	0	6	33.8	29.0	27.2	36.2	69	988.5	170	9	0	16	1
2	29.6	28.2	27.1	37.1	90	988.3	330	5	0	6	34.8	30.1	28.5	38.9	70	989.5	170	8	0	8	2
3	30.4	25.6	23.6	29.0	67	990.7	–	0	3	10	37.4	27.8	23.9	29.7	46	991.6	160	10	0	15	3
4	31.0	24.0	20.6	24.2	54	990.9	350	8	0	10	35.5	30.0	28.1	38.0	66	991.9	210	8	0	15	4
5	30.0	27.0	25.8	33.3	78	990.0	300	15	0	5	36.6	28.3	25.1	31.8	52	989.5	270	12	0	3	5
6	29.0	28.0	27.6	37.0	92	989.3	350	8	0	3	34.7	27.6	24.8	31.2	56	989.9	160	8	0	4	6
7	29.4	28.2	27.8	37.3	91	990.1	290	7	0	6	34.2	28.9	26.9	35.6	66	991.1	190	6	7	6	7
8	30.4	28.2	27.4	36.7	84	991.3	340	8	2	10	34.6	30.0	28.4	38.8	69	992.2	260	8	0	15	8
9	26.8	26.4	26.2	34.2	97	990.4	–	0	2	10	35.2	29.6	27.6	37.0	65	990.8	210	5	0	15	9
10	30.4	28.0	27.1	35.9	83	988.3	120	5	0	10	36.0	29.2	26.8	35.1	59	989.4	180	7	0	10	10
11	30.6	25.6	23.5	28.9	66	990.1	350	5	0	10	36.6	28.8	25.9	33.5	55	992.4	290	10	0	15	11
12	30.6	27.6	26.4	34.6	79	993.0	280	10	0	10	35.8	26.0	21.6	25.8	44	993.1	290	18	0	1	12
13	30.6	26.4	24.6	31.2	70	992.6	300	15	x	0.8	35.0	27.8	23.4	28.7	51	992.9	280	18	x	1.2	13
14	29.2	26.0	24.7	31.0	76	990.7	–	0	2	2	34.0	27.0	24.1	30.0	56	991.1	220	8	0	3	14
15	30.4	28.0	27.1	35.9	83	990.9	150	10	5	6	33.2	29.2	27.8	37.3	73	991.8	180	8	1	10	15
16	30.4	26.0	24.2	30.2	70	991.5	280	10	2	6	34.6	27.0	23.9	29.6	54	991.1	260	12	0	6	16
17	27.5	26.8	26.5	34.7	94	990.0	–	0	1	6	36.8	24.5	18.0	20.7	34	990.2	270	8	0	8	17
18	28.4	27.0	26.4	34.5	89	991.6	–	0	0	8	37.4	24.0	16.8	19.1	30	992.2	250	6	0	10	18
19	31.0	29.0	28.2	38.4	85	991.9	280	6	7	10	35.5	25.2	20.4	23.9	41	992.4	270	10	0	10	19
20	31.8	29.0	28.0	37.8	81	990.3	120	6	6	10	35.5	29.0	26.6	34.9	60	991.4	160	18	3	12	20
21	30.5	28.8	28.2	38.3	87	992.4	–	0	4	10	37.6	27.6	23.7	29.5	45	993.0	160	7	0	12	21
22	32.0	27.0	25.0	31.6	67	992.0	140	8	2	10	36.5	28.5	25.4	32.6	53	992.7	160	20	0	15	22
23	31.0	29.5	29.0	40.0	90	994.3	140	6	4	10	37.4	27.4	23.2	28.5	45	994.2	160	12	4	15	23
24	32.0	27.0	25.0	31.6	67	997.7	140	14	4	15	36.2	29.5	27.1	35.9	60	997.8	170	15	2	20	24
25	31.6	28.5	27.3	36.4	78	997.6	–	0	6	15	36.2	28.5	25.6	32.8	55	996.8	180	12	3	25	25
26	30.4	29.0	28.5	39.0	90	993.4	–	0	6	15	34.8	29.2	27.3	36.1	64	994.5	270	10	4	20	26
27	30.2	28.4	27.8	37.4	87	992.7	–	0	0	20	36.8	28.2	24.9	31.4	50	993.0	180	10	0	25	27
28	32.2	28.0	26.4	34.5	72	994.1	140	12	5	15	36.2	29.2	26.7	34.9	58	995.6	160	15	4	8	28
29	30.0	28.8	28.3	38.7	91	995.3	–	0	1	6	35.8	28.0	24.9	31.6	54	994.9	220	8	0	12	29
30	31.4	29.0	28.2	38.1	83	992.0	290	6	0	10	35.8	28.6	25.9	33.4	57	991.8	260	8	0	15	
31	31.0	29.5	29.0	40.0	89	992.9	–	0	0	10	36.5	27.7	24.2	30.1	49	993.5	140	9	0	12	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 5c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: July Year: 1961

Station: Sheikh Shu'aib

Ground Level: 40 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°50' N Long: 53°10' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
32.4	28.7	27.3	36.4	75	988.3	300	8	0	12		36.0	26.0	24.7	67.6			0	Mist.	1
33.2	29.0	27.5	36.7	72	989.6	320	4	1	10		37.6	29.0	27.9	68.6			0	"	2
34.3	28.0	25.6	32.8	61	991.2	350	8	1	15		38.2	28.5	24.4	70.6			0	Fair.	3
33.1	28.9	27.4	36.6	71	990.1	310	8	0	5		34.4	28.2	21.8	70.8			0	Haze.	4
32.2	29.5	28.6	39.1	81	989.0	280	10	0	4		37.4	28.0	22.4	70.6			0	"	5
32.0	29.0	27.9	37.7	79	989.2	220	5	0	6		36.0	26.8	24.4	69.5			0	"	6
33.2	29.6	28.3	38.6	76	990.3	300	4	0	10		36.6	24.4	21.4	69.2			0	"	7
33.1	29.1	27.7	37.1	73	991.2	280	7	0	15		37.2	27.5	24.5	68.9			0	Clear.	8
34.2	27.8	25.3	32.2	60	988.5	280	14	0	8		37.1	26.2	23.7	69.7			0	Haze.	9
33.6	27.5	25.1	31.9	61	988.1	300	10	0	10		37.0	28.4	26.4	69.0			0	Clear.	10
32.5	25.8	23.2	28.4	57	991.2	300	15	0	10		38.5	29.5	24.8	72.0			0	"	11
32.0	26.1	23.6	29.0	61	992.5	300	15	0	4		36.8	27.6	22.7	70.5			0	Dust.	12
31.8	26.0	25.5	29.0	62	990.7	300	15	0	2		35.8	29.5	26.5	68.2			0	"	13
31.8	28.0	26.0	34.8	74	989.6	280	6	0	5		36.0	28.4	24.8	68.0			0	Haze.	14
31.8	27.4	25.6	33.0	70	990.8	280	8	0	8		34.4	27.2	23.0	67.2			0	"	15
31.8	27.5	25.8	33.3	71	989.3	290	12	0	6		36.7	28.8	23.4	67.4			0	"	16
32.6	28.4	26.8	35.4	72	989.1	220	3	0	8		38.2	26.6	21.4	70.2			0	"	17
34.4	27.0	23.9	29.8	55	991.3	300	5	0	10		39.5	25.4	20.4	71.0			0	"	18
32.6	28.2	26.6	34.7	70	990.2	290	11	3	10		36.8	28.6	23.4	68.5			0	P.Cloudy.	19
32.8	28.5	26.9	35.5	71	990.6	–	0	4	12		38.0	30.5	27.0	70.2			0	"	20
33.6	28.8	27.0	35.7	69	998.0	300	10	0	10		38.0	28.8	24.0	69.4			0	Fair.	21
34.4	29.2	27.4	36.4	67	991.2	–	0	5	15		37.6	29.5		68.9			0	"	22
34.0	27.2	24.4	30.7	58	993.2	170	7	5	15		38.6	29.0	25.1	73.2			0	P.Cloudy	23
33.7	29.8	28.4	38.8	75	996.0	290	2	5	20		36.9	30.4	27.0	68.9			0	"	24
33.0	29.0	27.6	37.0	71	994.6	260	6	7	25		37.5	30.4	25.5	73.7			0	Cloudy.	25
34.4	29.5	27.2	37.4	69	991.2	260	8	6	20		36.8	29.8	25.4	71.0			0	"	26
35.0	29.5	27.6	36.9	65	990.9	220	5	5	25		38.2	29.4	23.5	71.0			0	Fair.	27
33.2	28.8	27.2	36.2	71	993.8	130	5	7	6		37.4	31.4	28.0	75.0			0	Haze.	28
34.0	29.2	27.5	36.7	69	992.2	260	5	0	10		37.4	29.6	28.2	67.2			0	Mist.	29
[illegible].2	29.5	28.2	38.4	75	990.6	270	5	0	10		36.8	29.4	26.6	69.0			0	Clear.	30
33.7	27.8	25.6	32.8	62	991.7	160	6	2	10		37.2	29.6	25.8	69.3			0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

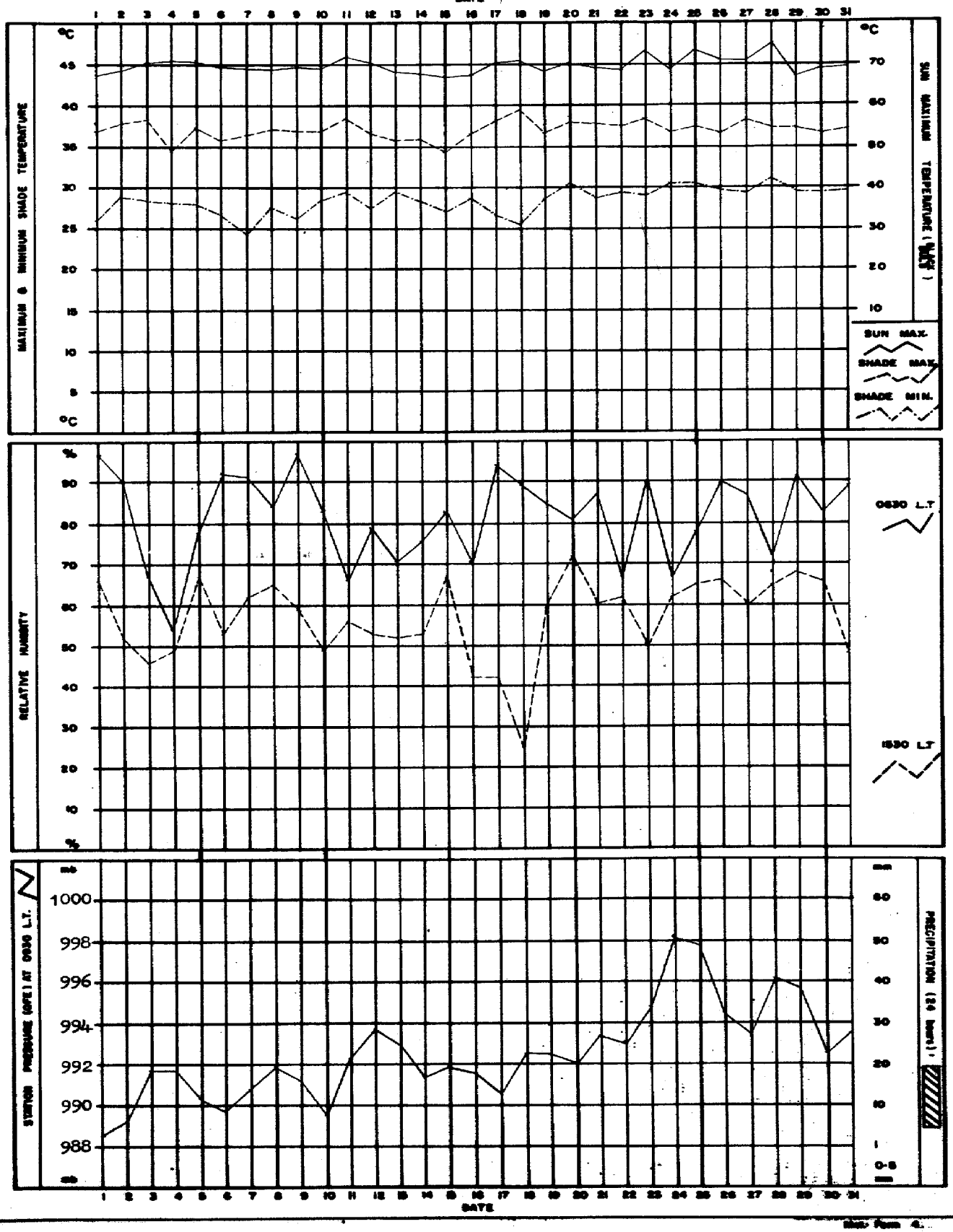
Rainsh.: Rain falling as showers

Hail: Solid precipitation

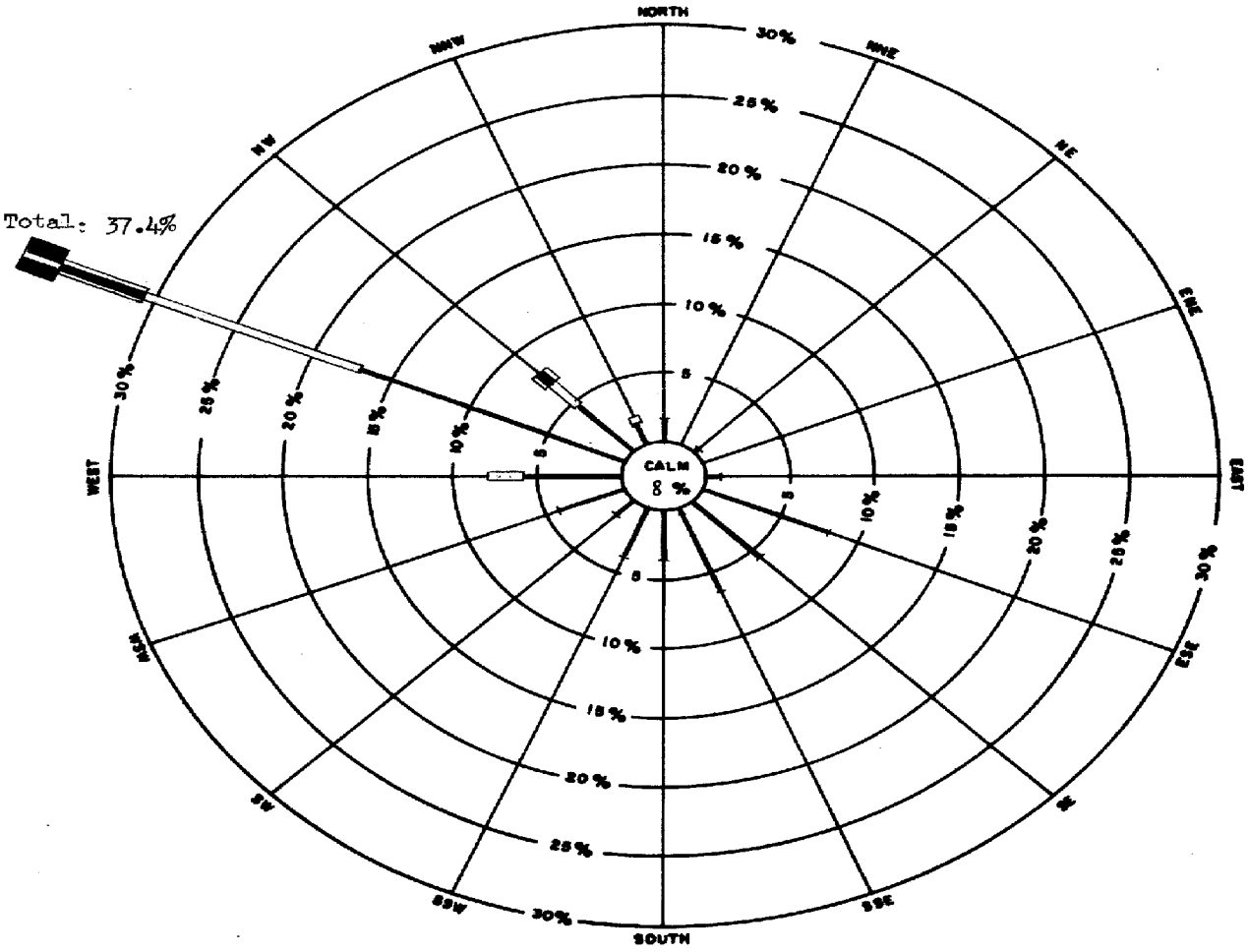
Th. storm: Thunderstorm at or near the station

Met. Form 56

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1961
		Station: Sheikh Shu'aib	
Ground Level: 40 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°50' N.	Long: 53°10' E

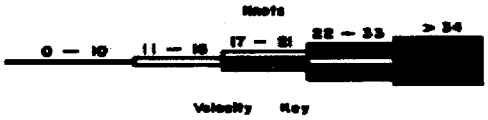


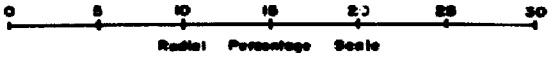
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: July	Year: 1961
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 578





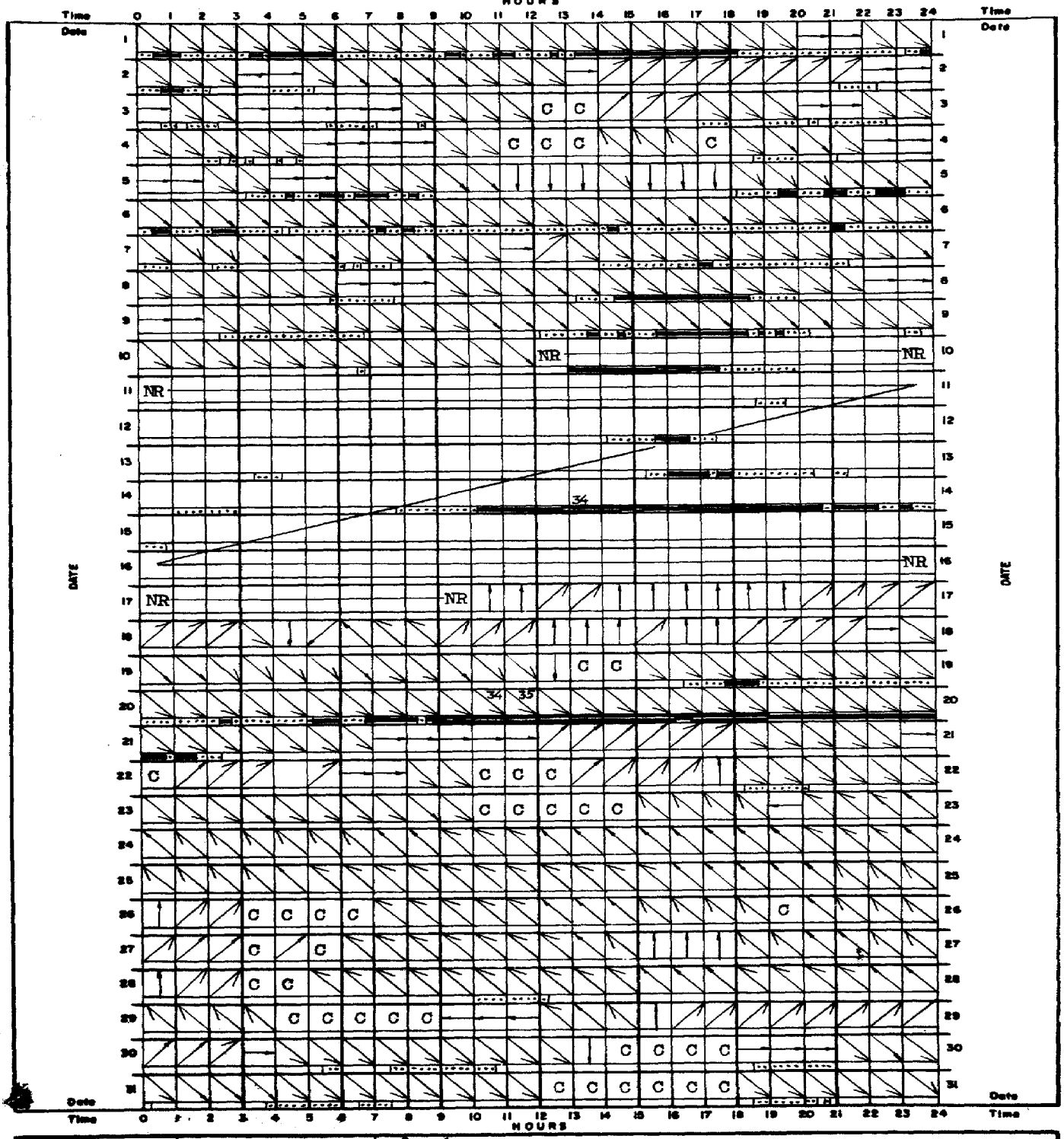
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are cumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks: The wind directions W, WNW, and NW constitute together 53.2% of all observations.

Met. Form 5

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: July	Year: 1961
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E

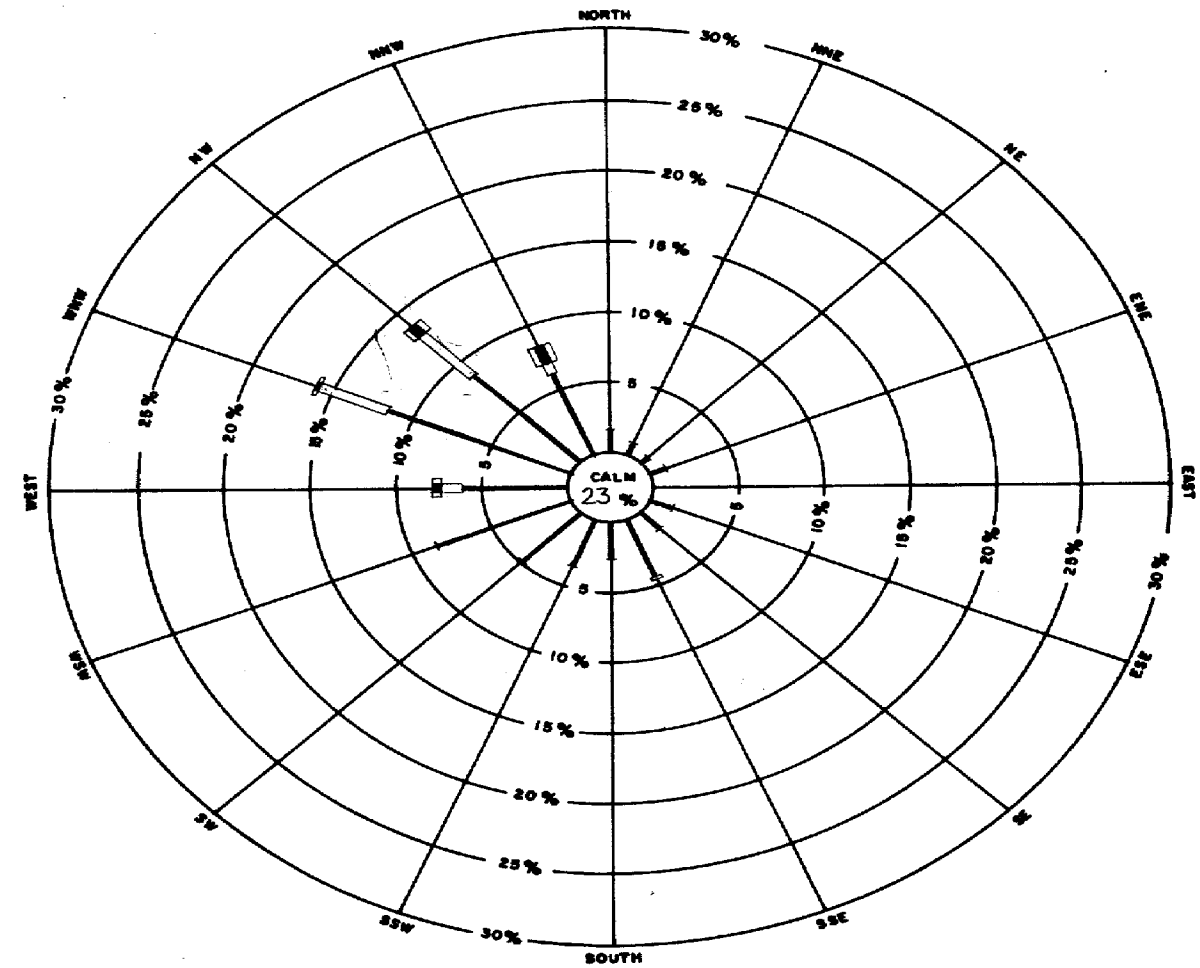


Velocity Key	Direction Key	Example:
C Calm	N, E, S, W	From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.
1 – 10 Knots		
11 – 16		
17 – 21		
22 – 33		
> 34		

Remarks:

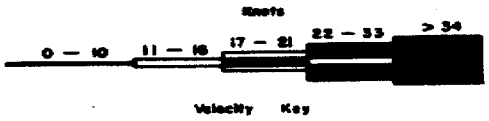
Met. Form 6

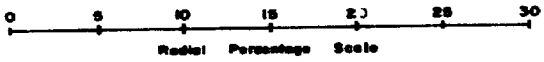
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: August	Year: 1961
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 651





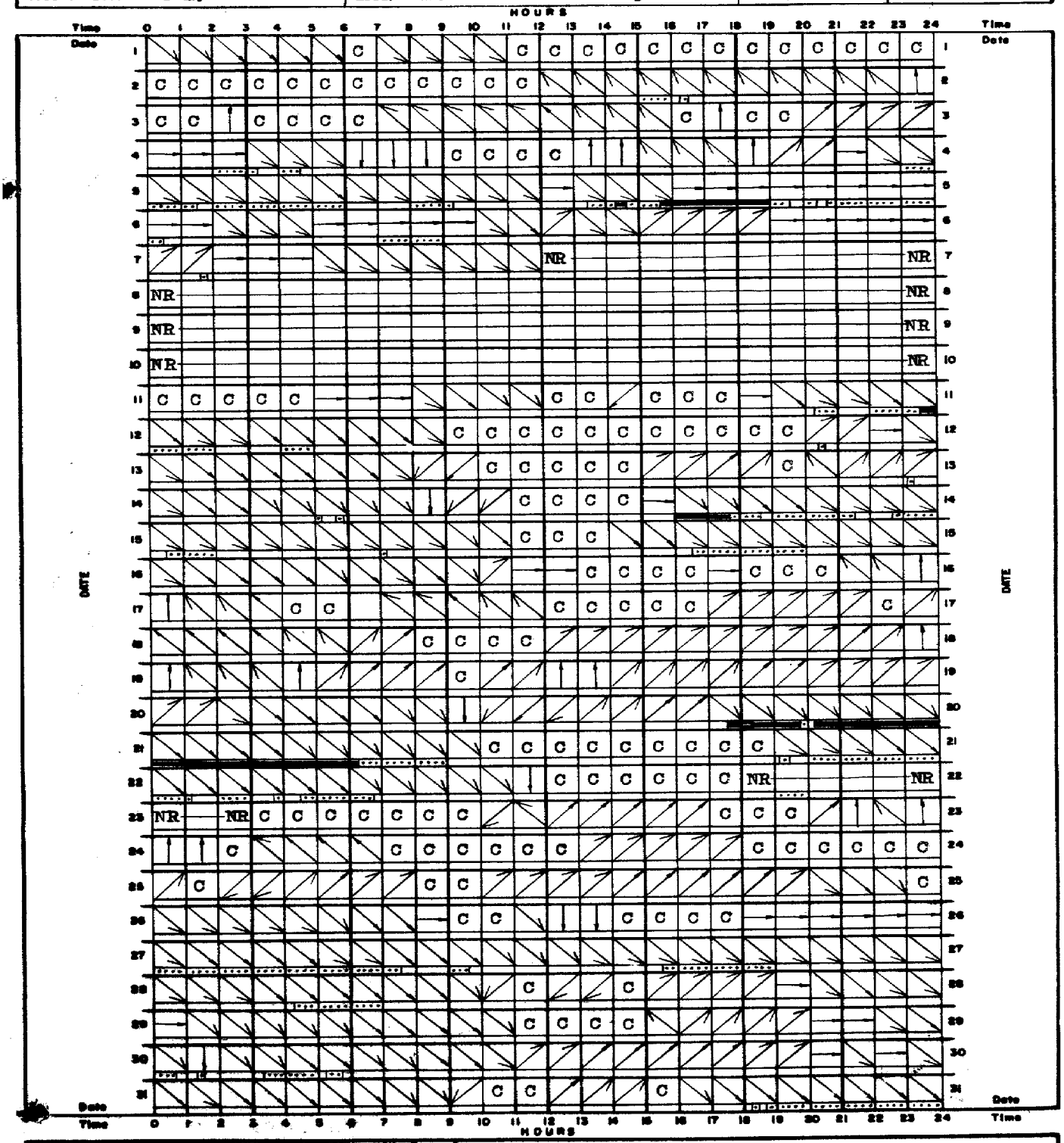
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: August	Year: 1961
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Velocity Key

C Calm

1 – 10 Knots

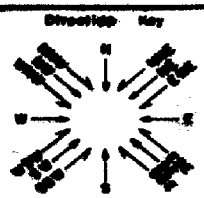
11 – 16

17 – 21

22 – 33

> 34

Direction Key

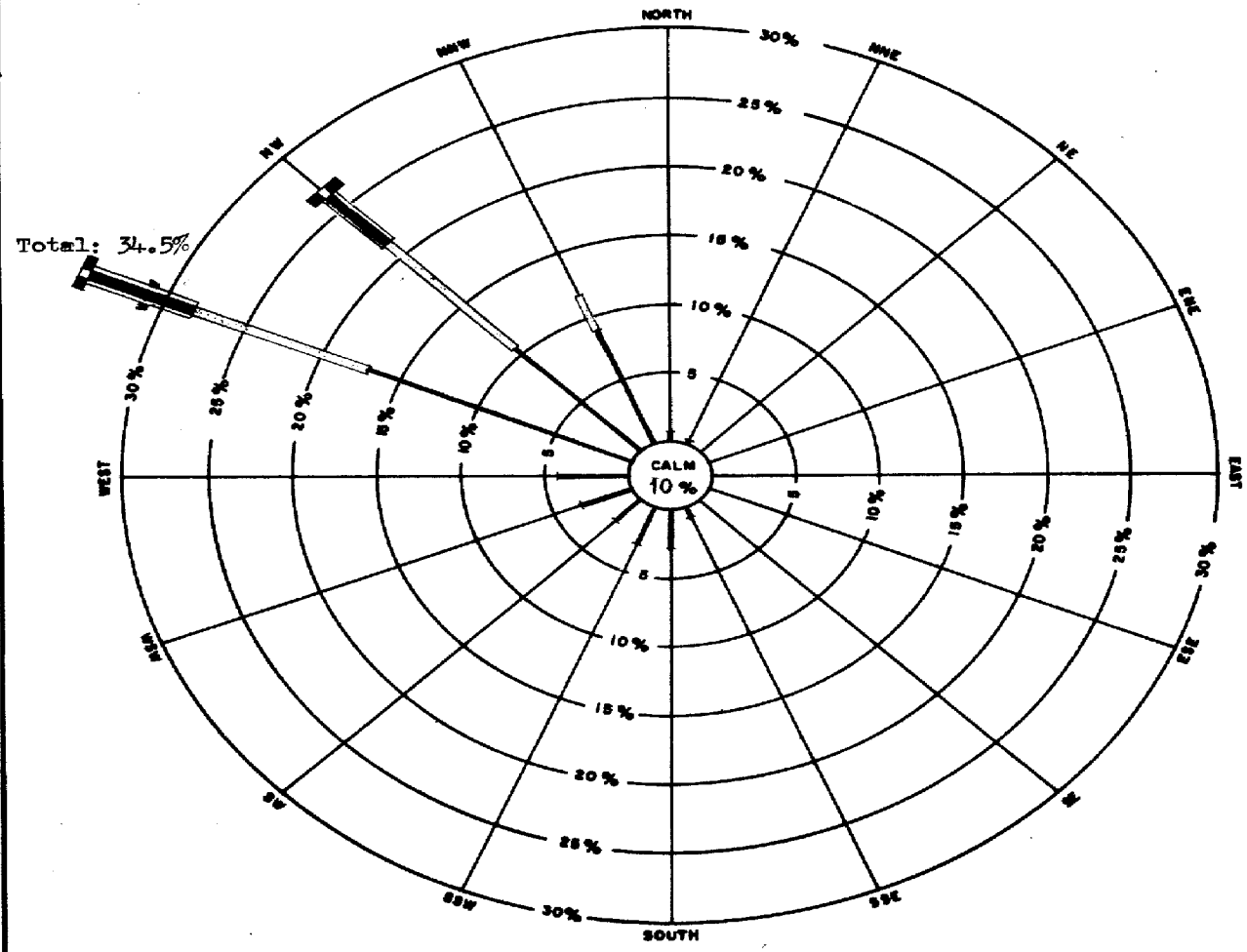


Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR-= No Record.

Remarks:

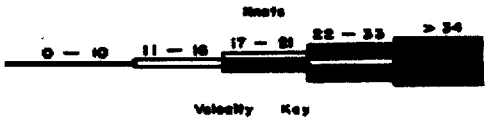
Met. Form 6

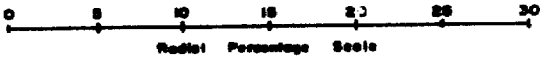
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 720

Hours recorded 716





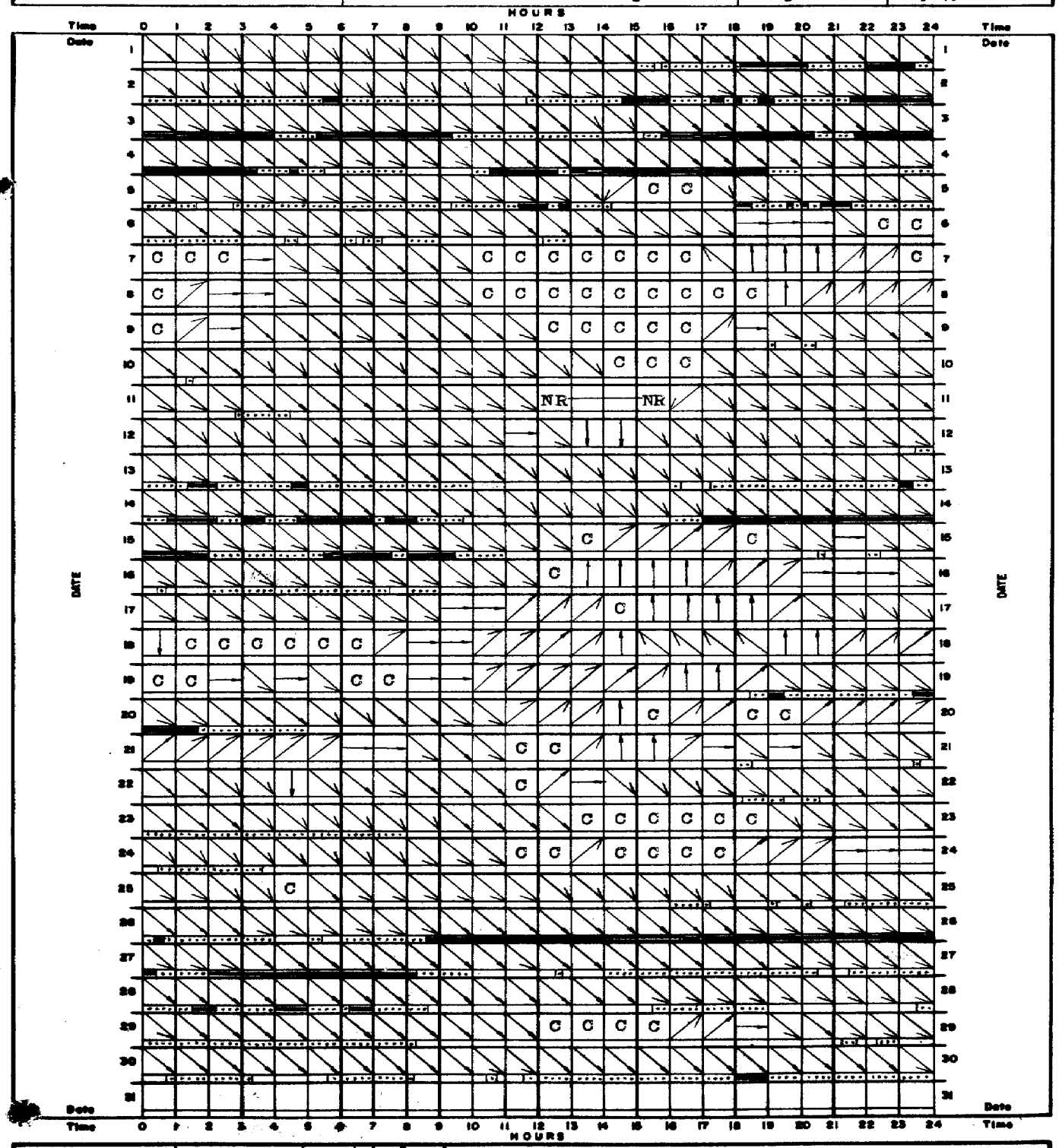
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are cumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks: The wind directions WNW, NW, a nd NNW constitute together 73.3% of all observations.

Met. Form 5

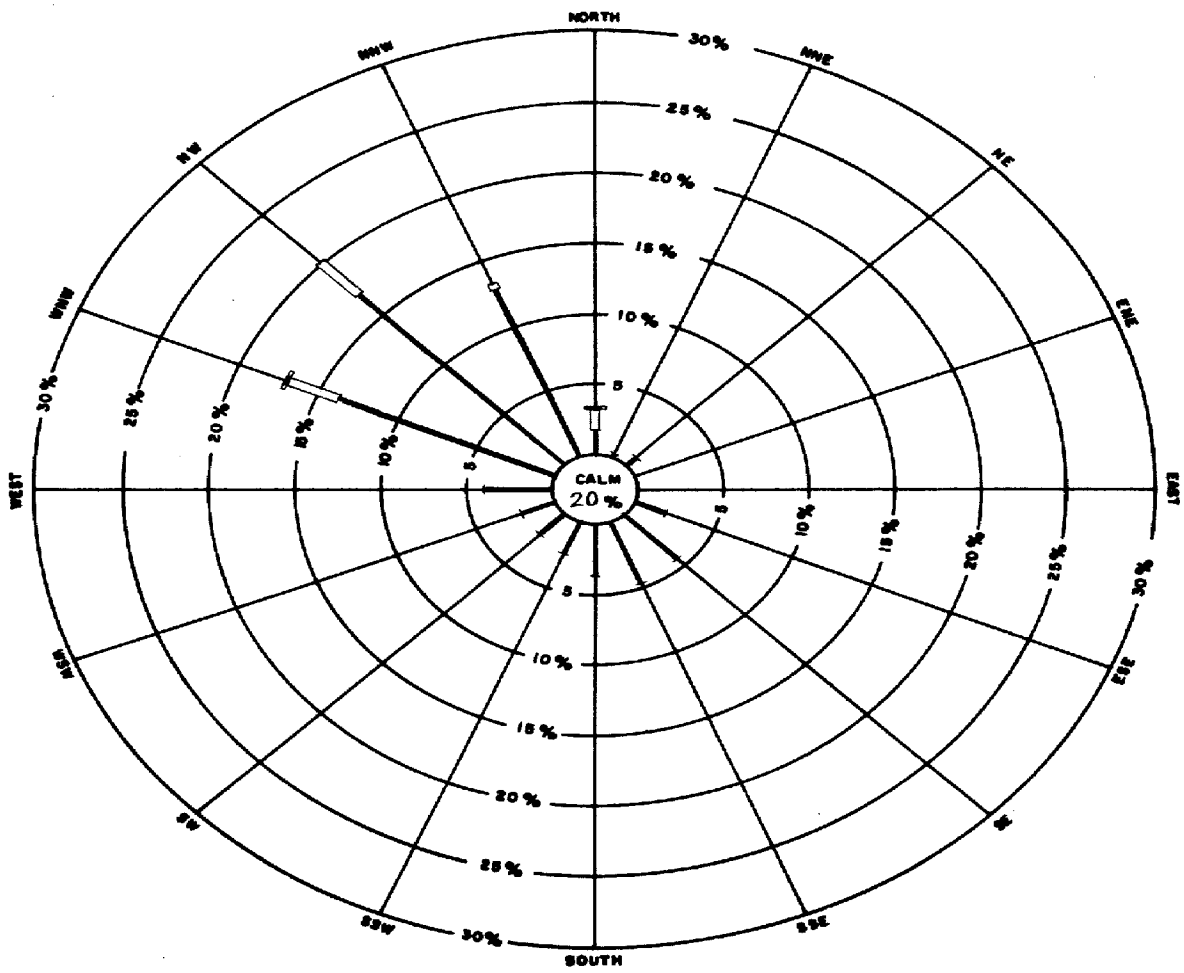
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year: 1961
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Velocity Key	Direction Key	Example:
C Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW	From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.
1 – 10 Knots		
11 – 16		
17 – 21		
22 – 33		
> 34		

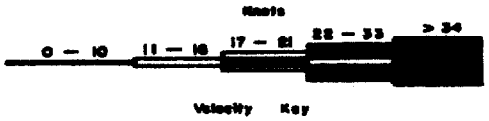
Remarks:

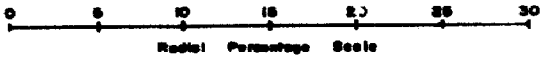
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 472





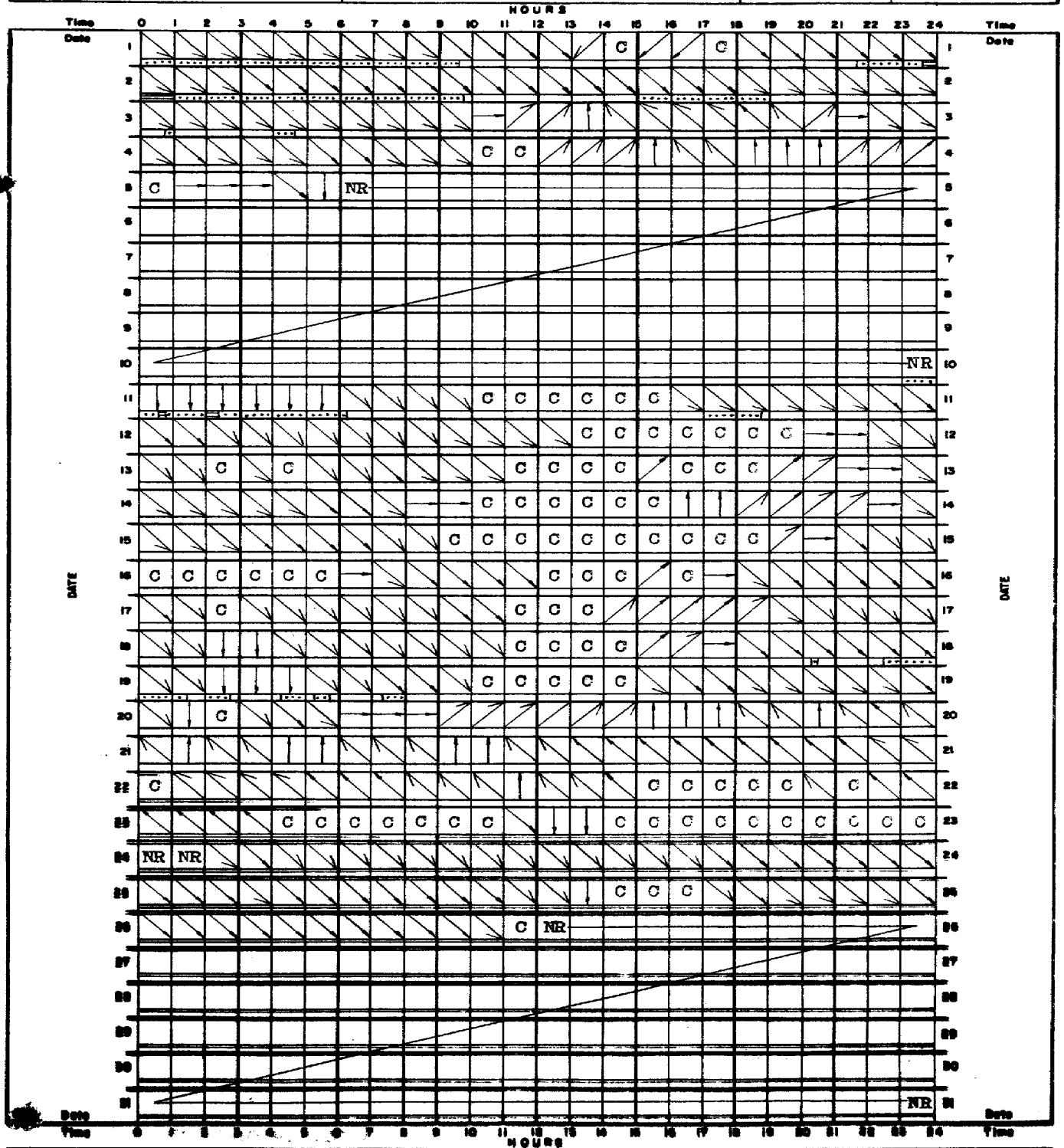
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 8

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Velocity Key

Calm

1 – 10 Knots

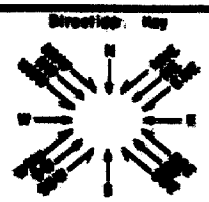
11 – 16

17 – 21

22 – 33

> 34

Direction Key

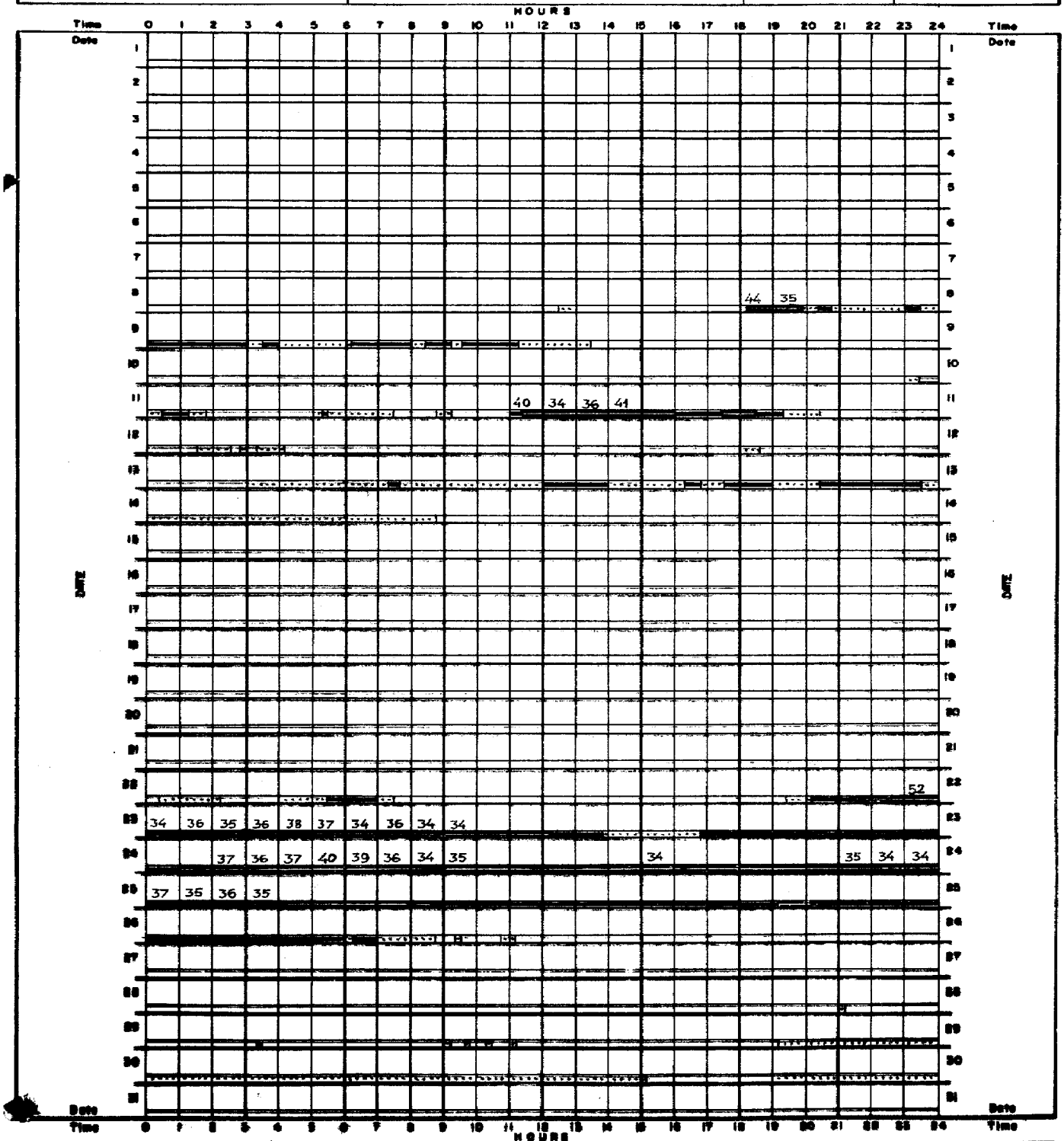


Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 48 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

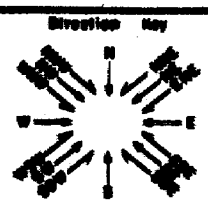
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Kwar Mase	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Velocity Key

0	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks: Wind direction recording unit out of order during the entire month.

Met. Form 6

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IRANIAN OIL OPERATING COMPAIES

METEOROLOGICAL OBSERVATIONS

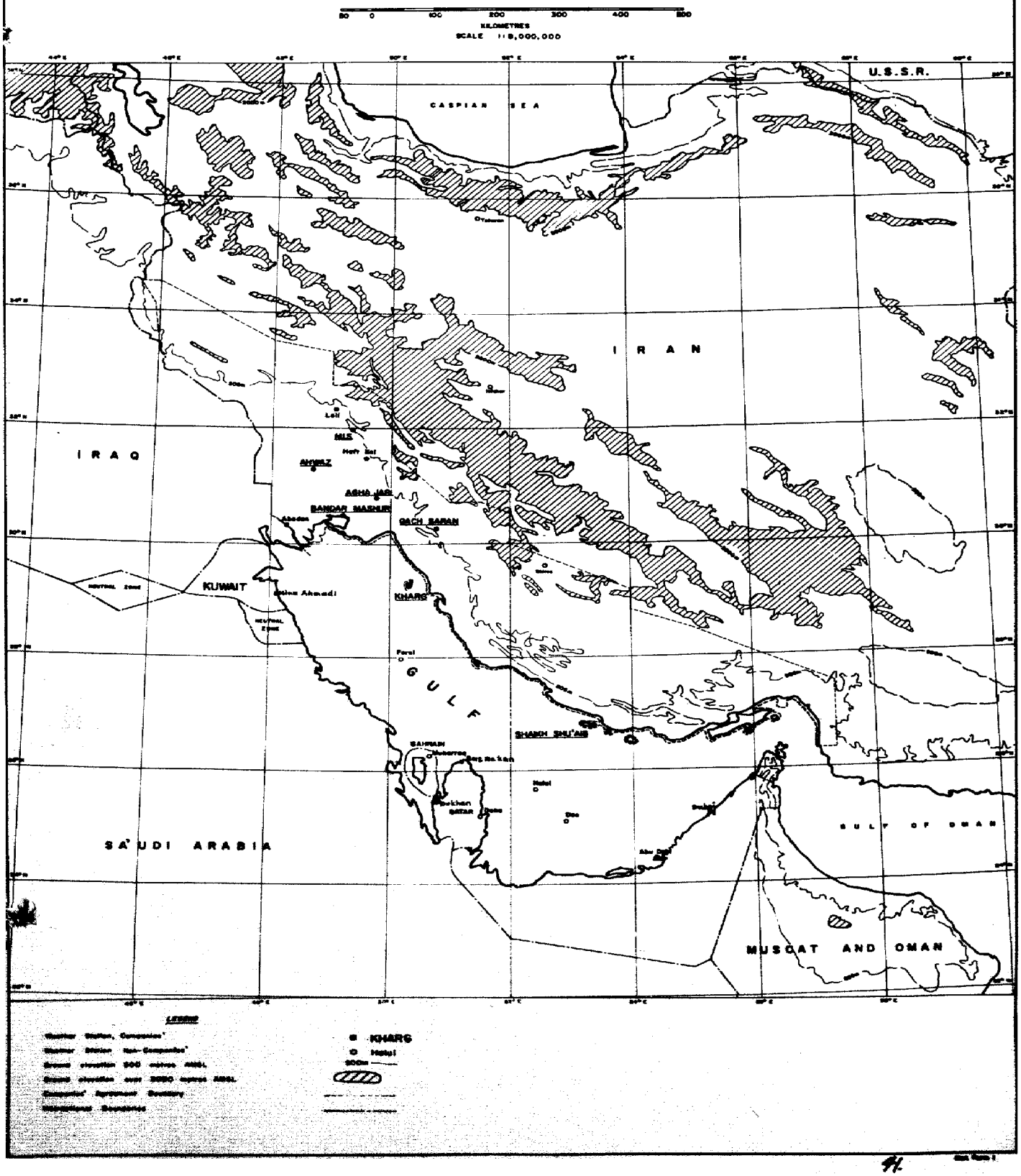
FOR

SEPTEMBER 1961

62-00244

40. Atch #1
62-1740a 62-C-125

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



CONTENT.

The following stations are included in this bulletin,

	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport)	40 812	32°00' N	49°15' E	362 m	3
Agha Jari (Ummidieh airport)	40 833	30°36' N	49°50' E	29 m	8
Gach Saran (Du Gombadan airport)	40 835	30°21' N	50°48' E	709 m	13
Bandar Mashur (Airport)	40 832	30°33' N	49°09' E	8 m	16
Kharg Island (Airport)	40 845	29°15' N	50°20' E	3 m	21
Sheikh Shu'aib (Decca Navigator Station)	40 882	26°48' N	53°22' E	2 m	26

REMARKS.

See "REMARKS" in the August 1961 bulletin.

Met. Form 2.

Horizontal Visibility.

The lowest visibility reported during daytime is used in this frequency table.

CONVERSION FACTORS.

Temperature.

$$^{\circ}F = \frac{9}{5} \cdot {}^{\circ}C + 32$$

Pressure.

1 mb = 0,0295 inches Hg = 0,750 mm Hg

1 inch Hg = 33,86 mb = 25,40 mm Hg

Normal atmospheric pressure = 1013,2 mb = 29,92 inches Hg = 760,0 mm Hg = 14,7 lb/sqft.
This pressure refers to mean sea level.

Length.

1 mm = 0,039 inches
1 m = 3,28 ft
1 km = 0,621 statute miles

1 inch = 25,40 mm
1 foot = 0,305 m
1 statute mile = 1609 m

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: September Year: 1961

Local Time: G.M.T. + 3½ hrs

Station	Maximum Wind Velocity: Velocity (kts.)	Direction (degr.)	Date	Station Pressure (QFE) at 0930: Monthly Lowest (mb)	Date	Monthly Highest (mb)	Date	Monthly Average (mb)	Rainfall: Maximum in 24 hrs (mm)	Date	Monthly Total (mm)	Humidity: Rel. Hum. 0630 (avr.) (%)	1530 (avr.) (%)	Daily avr. (%)	Dew Point Depression at 0930 (°C)	Vapour Pressure at 0930 (mb)	Sun Maximum Temperature: Monthly Highest (°C)	Date	Monthly Average (°C)	Sea Temp.: Monthly Average (°C)	Ground Min. Temperature: Monthly Lowest (°C)	Date	Monthly Average (°C)	Minimum Temperature: Monthly Lowest (°C)	Date	Monthly Average (°C)	Maximum Temperature: Monthly Highest (°C)	Date	Monthly Average (°C)
Masjid-i-Sulaiman				959,9	16	967,3	25	963,1	-	-	0	33	8	15	31,1	6,8	70,3	1	67,6		14,2	29	17,3	20,4	24	23,1	43,5	1	38,1
Agha Jari				998,8	11	1005,7	30	1001,6	-	-	0	30	8	16	25,0	9,0	82,0	1	77,2					14,7	29	18,8	45,6	1	41,1
Gach Saran				921,9	16	928,6	30	924,7	-	-	0	25	5	14	31,5	6,0	73,2	1	69,4		12,3	23	16,8	13,4	23	17,9	41,8	1	37,6
Bandar Mashur				999,2	1	1007,6	29	1003,3	-	-	0	46	10	24	23,7	9,8	78,6	1	72,9					13,4	29	18,4	47,0	1	40,5
Kharg Island				999,5	1	1007,8	30	1003,3	-	-	0	67	44	56	10,0	25,3	68,9	1	64,9		18,0	19	24,1	22,4	18	27,1	38,8	1	34,4
Sheikh Shu'aib				1000,2	1	1007,7	30	1002,8	-	-	0			72	7,0	34,1	72,5	15	68,4		20,0	24	23,4	24,5	30	27,0	39,2	14	35,4

Station	Cloudiness: Daily Average	≤ 2/8 at 0930	≥ 7/8 at 0930	Rainfall (24 Hour): ≥ 1 inch	≥ 10 mm	5·0–9·9 mm	1·0–4·9 mm	0·1–0·9 mm	≥ 0·1 mm	Thunderstorms	Dust (Vis. ≤ 1 km)	Fog. (Vis. ≤ 1 km)	Horizontal Visibility: ≥ 30 km	15–30 km	5–15 km	2–5 km	1–2 km	500–1000 m	200–500 m	≤ 200 m	Minimum Temperature: ≥ 35,0 °C	30·0–34·9 °C	20·0–29·9 °C	10·0–19·9 °C	0·0–9·9 °C	< 0·0 °C	Maximum Temperature: ≥ 45·0 °C	40·0–44·9 °C	30·0–39·9 °C	20·0–29·9 °C	10·0–19·9 °C	< 10·0 °C
Masjid-i-Sulaiman	0,0	30	0	0	0	0	0	0	0	0	1	0	0	8	13	6	2	1	0	0	0	0	30	0	0	0	0	11	19	0	0	0
Agha Jari	0,0	30	0	0	0	0	0	0	0	0	0	0	0	9	16	5	0	0	0	0	0	0	9	21	0	0	1	20	9	0	0	0
Gach Saran	0,1	30	0	0	0	0	0	0	0	0	0	0	0	11	18	1	0	0	0	0	0	4	4	26	0	0	0	3	27	0	0	0
Bandar Mashur	0,0	30	0	0	0	0	0	0	0	0	2	0	0	2	23	1	2	2	2	0	0	0	8	22	0	0	1	16	13	0	0	0
Kharg Island	0,0	30	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	26	0	0	0	0	0	30	0	0	0
Sheikh Shu'aib	0,2	29	0	0	0	0	0	0	0	0	1	0	0	24	4	1	0	1	0	0	0	1	29	0	0	0	0	0	30	0	0	0

Met. Form 8

3a

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: September Year: 1961
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-i-Sulaiman
		Lat: 32°00' N Long: 49°15' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	29,0	15,4	1,1	6,7	17	959,3	-	0	0	15	42,4	19,6	-3,4	4,6	5	960,0	300	8	0	20	1
2	26,8	15,6	5,1	8,8	24	961,3	-	0	0	7	38,4	18,6	-1,1	5,6	8	961,7	220	4	0	6	2
3	24,2	14,2	4,2	8,2	27	959,8	-	0	0	1,5	37,8	17,8	-3,9	4,4	7	959,8	260	8	0	5	3
4	26,2	14,4	1,7	7,0	21	959,4	-	0	0	3	38,6	18,1	-4,0	4,4	6	960,8	200	9	0	3	4
5	25,2	13,0	-2,0	5,2	16	960,4	-	0	0	4	37,4	17,8	-3,3	4,7	7	961,1	270	4	0	5	5
6	24,7	13,8	1,9	7,1	23	961,5	-	0	0	8	37,1	19,5	4,8	8,7	14	962,3	220	6	0	8	6
7	25,0	14,0	2,2	7,2	23	960,9	-	0	0	12	38,2	18,8	0,1	6,2	9	961,6	160	6	0	10	7
8	24,8	14,0	2,7	7,4	24	961,7	-	0	0	10	39,2	19,6	2,1	7,1	10	962,2	-	0	0	12	8
9	25,5	16,0	7,8	10,6	33	962,0	-	0	0	20	39,0	20,0	4,1	8,2	12	962,3	210	4	0	20	9
10	25,2	13,2	-1,1	5,6	17	960,8	-	0	0	20	38,2	18,2	-2,7	4,9	7	960,7	180	6	0	20	10
11	25,0	12,8	-2,3	5,0	16	959,9	-	0	0	25	38,6	17,4	-8,7	3,0	4	959,7	160	3	0	25	11
12	22,0	11,4	-2,3	5,0	19	961,4	-	0	0	20	37,6	18,8	1,2	6,7	10	962,5	270	8	0	25	12
13	22,2	11,7	-1,6	5,4	20	963,5	-	0	0	25	38,4	18,0	-4,4	4,3	6	963,7	300	5	0	20	13
14	24,2	11,6	-6,4	3,6	12	962,4	270	5	0	15	39,8	17,8	-9,4	2,8	4	962,3	300	2	0	15	14
15	24,0	13,0	0,1	6,2	21	959,8	-	0	0	2	39,4	19,2	0,1	6,2	9	960,1	270	8	0	1,5	15
16	25,8	13,6	-0,6	5,8	17	959,1	-	0	0	6	39,2	19,8	2,9	7,6	11	959,5	-	0	0	4	16
17	25,0	14,0	2,2	7,2	23	960,5	090	5	0	6	37,4	17,8	-3,3	4,7	7	961,0	180	12	0	6	17
18	25,4	12,6	-4,1	4,4	14	962,0	-	0	0	12	38,0	19,0	1,4	6,8	11	962,9	-	0	0	12	18
19	26,0	14,0	0,6	6,4	19	963,4	-	0	0	12	36,2	18,0	0,0	6,1	10	964,4	270	4	0	18	19
20	23,0	14,0	5,1	8,8	31	963,6	-	0	0	10	34,2	18,2	3,9	8,1	15	963,6	250	6	0	15	20
21	23,0	13,4	3,3	7,8	28	962,1	100	3	0	10	35,0	18,2	2,8	7,5	13	962,5	270	4	0	8	21
22	21,6	12,4	2,0	7,1	28	963,3	-	0	0	10	34,6	17,2	-0,7	5,8	11	963,8	250	6	0	15	22
23	21,4	12,4	2,3	7,3	29	963,1	-	0	0	20	35,6	17,8	0,1	6,2	11	963,8	210	4	0	30	23
24	20,8	11,7	0,8	6,5	27	964,8	-	0	0	20	37,4	18,2	-1,1	5,6	9	965,7	220	6	0	25	24
25	23,6	12,8	0,1	6,2	21	966,3	-	0	0	25	38,4	18,8	-0,2	6,1	9	966,4	240	6	0	20	25
26	23,4	12,8	0,4	6,4	22	963,6	-	0	0	18	37,6	17,6	-4,7	4,2	7	963,2	300	8	0	20	26
27	22,4	13,4	4,1	8,2	30	960,0	-	0	0	1	36,8	18,2	-0,1	6,1	10	960,6	220	8	0	3	27
28	23,6	13,0	0,8	6,5	22	962,9	-	0	0	3	38,8	19,2	0,9	6,6	19	964,0	-	0	0	6	28
29	22,2	11,4	-2,8	4,9	18	965,5	-	0	0	7	38,4	17,4	-8,4	3,1	5	965,8	250	8	0	8	29
30	22,2	11,8	-1,1	5,6	21	965,8	-	0	0	18	37,4	17,2	-6,7	3,6	6	965,8	220	5	0	15	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Masjid-i-Sulaiman

Ground Level: 362 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 32°00' N Long: 49°15' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
39,0	19,6	2,5	7,4	11	959,4	270	10	0	20		43,5	28,6	22,0	70,3	270	26	0	Clear	1
36,0	18,6	2,9	7,5	13	960,0	270	6	0	5		40,0	26,5	22,5	69,8	270	16	0	Haze	2
36,0	18,6	2,9	7,5	13	959,0	270	8	0	9		39,0	24,0	19,0	67,5	280	16	0	"	3
36,0	16,6	-7,1	3,4	6	959,5	200	4	0	5		39,5	21,0	19,6	69,0	220	15	0	"	4
35,0	18,8	5,0	8,8	16	960,8	270	6	0	25		38,7	24,6	19,0	69,0	270	16	0	"	5
35,0	18,3	3,2	7,7	14	960,8	270	4	0	7		38,9	23,3	16,7	67,0	270	10	0	"	6
37,0	18,4	0,4	6,3	10	960,2	350	6	0	10		40,2	23,8	18,1	69,0	220	14	0	"	7
37,1	20,8	9,1	11,6	18	960,7	200	4	0	20		40,5	24,3	19,0	68,8	270	10	0	Clear	8
36,0	18,6	2,8	7,5	13	960,8	270	5	0	25		40,0	25,3	20,4	68,0	270	14	0	"	9
36,0	17,6	-1,6	5,4	9	959,2	270	6	0	25		39,1	23,8	16,8	69,0	270	12	0	"	10
35,2	18,4	3,3	7,8	14	959,1	260	4	0	25		39,3	23,4	14,9	69,2	270	13	0	"	11
35,2	16,8	-3,9	4,4	8	962,0	280	6	0	25		39,0	21,7	14,8	68,0	270	16	0	"	12
36,0	17,4	-2,5	5,0	8	962,6	270	6	0	20		40,0	21,7	14,4	68,8	290	18	0	"	13
36,6	18,0	-0,7	5,8	9	960,6	260	2	0	20		41,4	22,8	15,7	69,5	270	15	0	"	14
35,6	19,4	6,4	9,6	16	959,4	250	4	0	5		40,5	22,8	18,0	68,3	260	14	0	Haze	15
36,0	18,0	0,4	6,3	11	958,4	260	3	0	4		40,9	25,3		68,6	270	11	0	"	16
33,8	16,4	-3,1	4,8	9	961,1	220	4	0	15		38,3	24,5	18,9	63,0	180	19	0	"	17
34,8	18,2	3,1	7,6	13	961,6	160	4	0	12		38,7	23,0	15,4	67,0	250	16	0	"	18
34,0	16,9	-1,1	5,7	11	962,7	300	9	0	30		37,9	24,0	19,1	66,0	300	16	0	Clear	19
32,2	17,4	3,8	8,0	17	962,3	250	3	0	16		35,6	22,5	18,0	63,8	260	14	0	Haze	20
32,4	17,0	2,1	7,1	15	962,0	270	5	0	20		36,5	22,4	18,8	65,0	280	16	0	"	21
32,6	16,0	-2,7	5,0	10	962,7	270	6	0	15		35,7	21,4	17,9	65,0	300	18	0	"	22
32,4	17,8	4,9	8,7	18	963,3	280	8	0	25		36,3	21,2	14,3	65,4	270	16	0	Clear	23
33,8	17,6	2,2	7,2	14	965,1	300	5	0	30		39,0	20,4	15,5	67,0	300	13	0	"	24
34,2	18,4	4,7	8,6	16	964,7	270	5	0	25		40,6	22,5	15,6	68,4	250	15	0	"	25
34,2	19,0	6,7	9,8	18	961,2	300	5	0	12		39,0	22,4	14,3	67,0	270	14	0	Haze	26
32,3	17,4	3,8	8,0	17	960,4	270	3	0	3		37,6	22,2	16,2	66,0	280	12	0	Dust	27
33,4	17,5	2,4	7,3	14	964,3	-	0	0	8		40,0	22,4	17,4	68,0	240	10	0	Haze	28
32,1	16,6	0,8	6,5	14	964,4	-	0	0	20		39,5	21,0	14,2	67,4	260	11	0	"	29
31,2	16,2	0,7	6,5	14	965,1	260	4	0	10		38,3	20,6	16,2	68,2	270	12	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm.

Rain: Rain not falling as showers

Snow: Snowfall

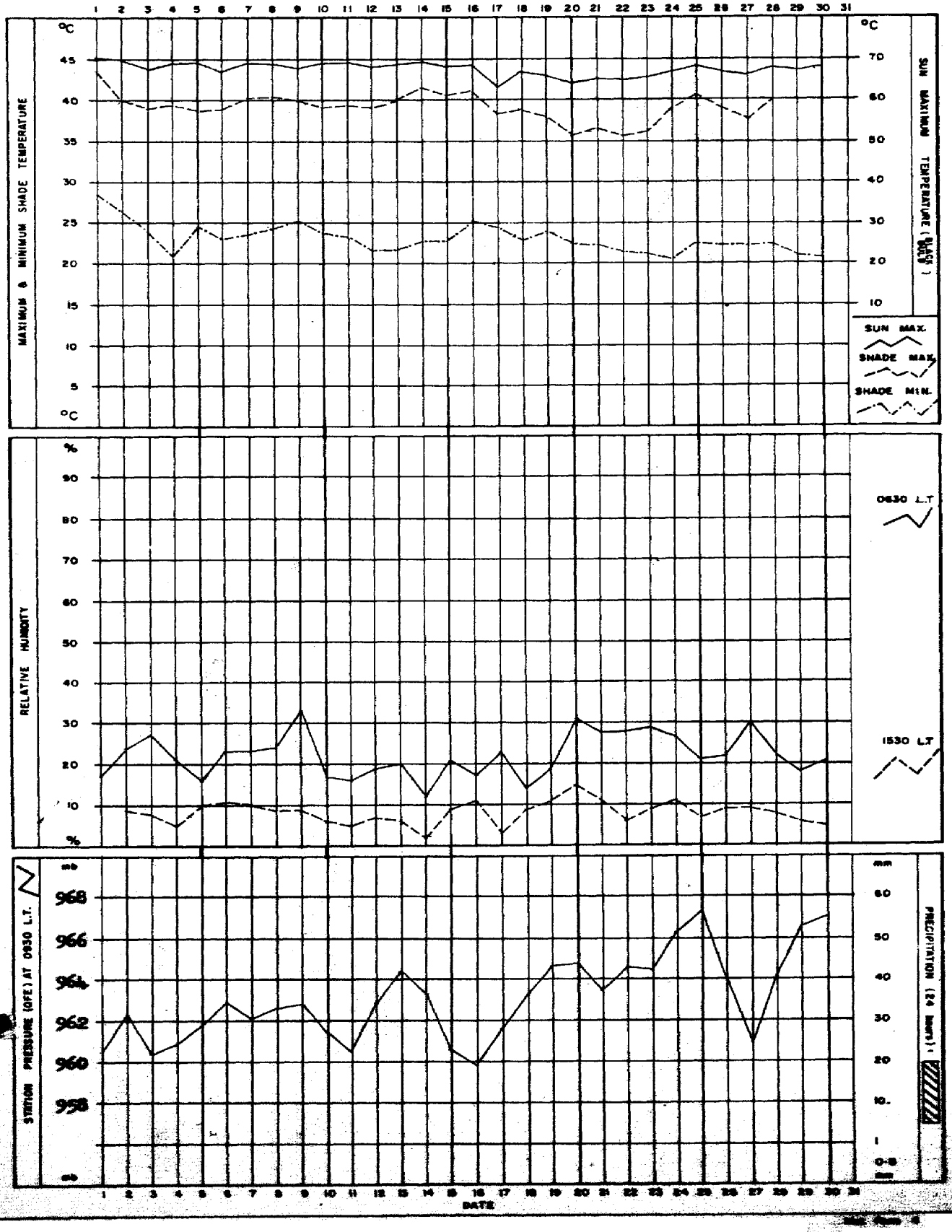
Rainsh.: Rain falling as showers

Hail: Solid precipitation

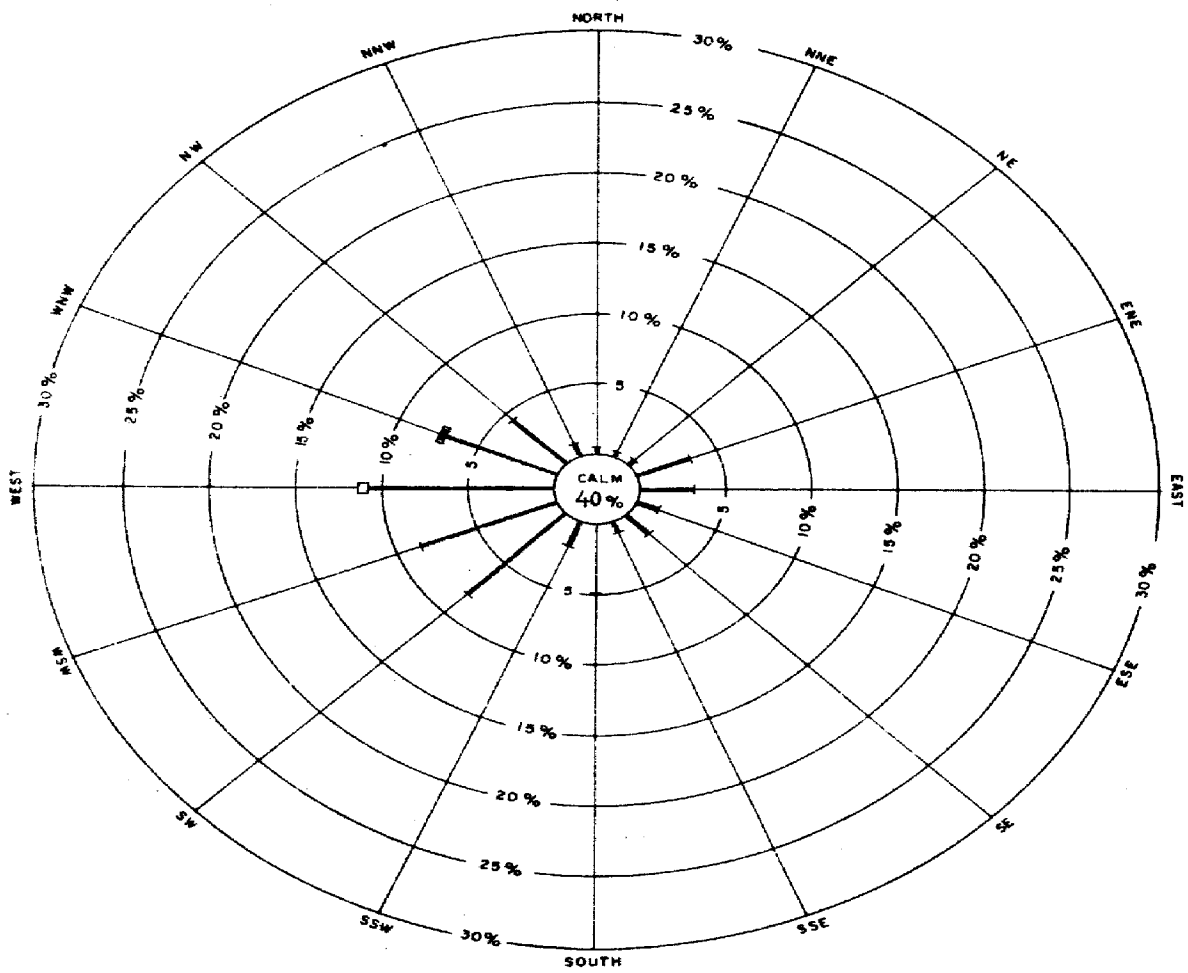
Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1961
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E

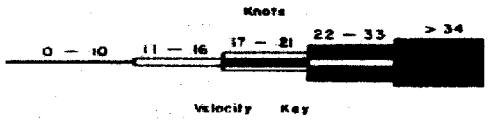


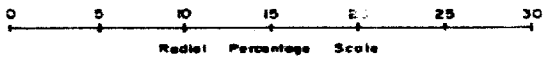
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Hours in month 720

Hours recorded 720





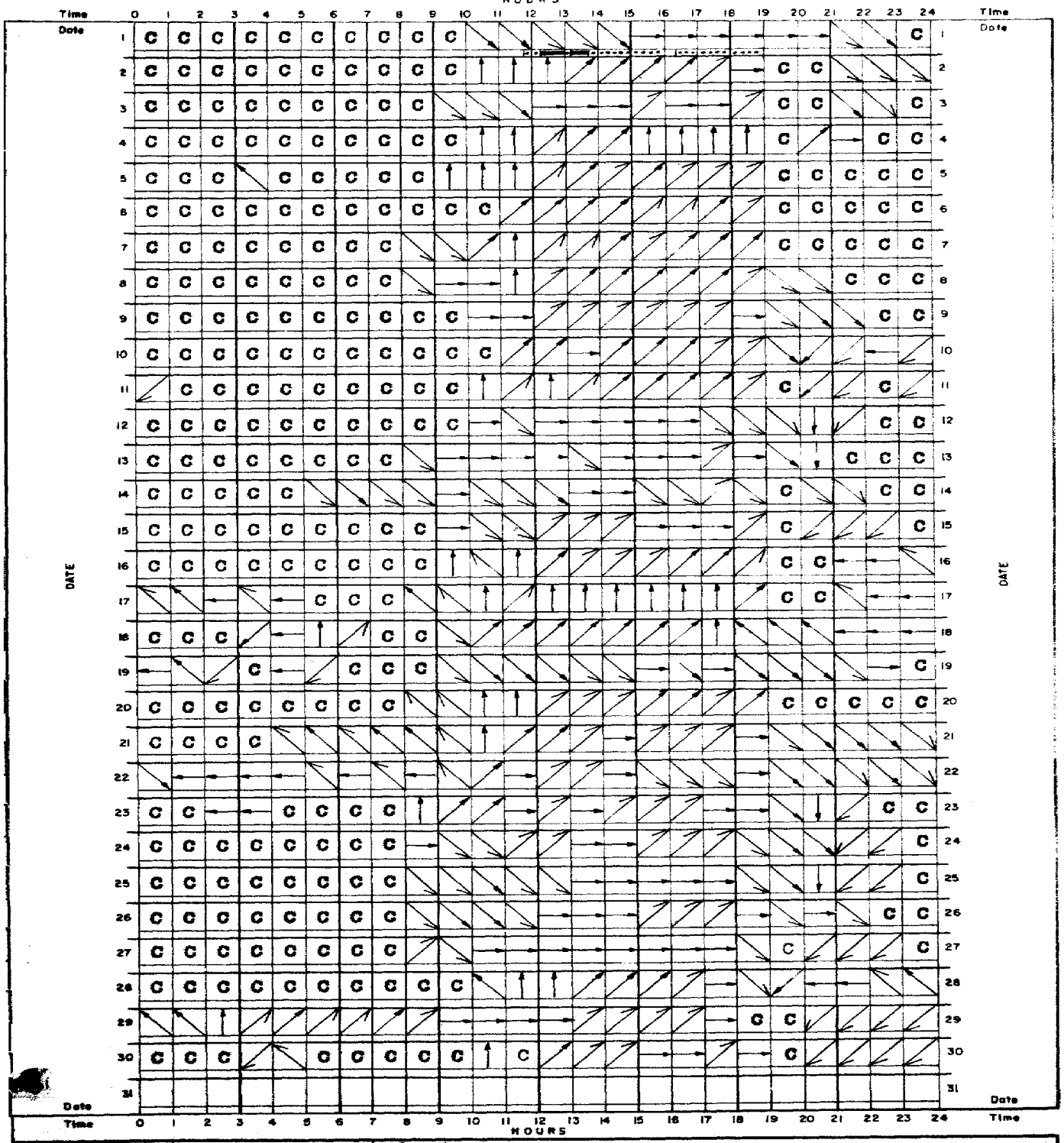
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

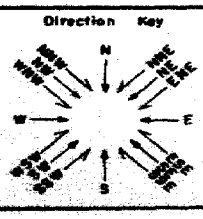
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year: 1961
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time G.M.T. + 3½ hrs	Lat 32°00' N.	Long 49°15' E



Velocity Key

C	Colm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: September Year: 1961
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Agha Jari
		Lat: 30°36' N Long: 49°50' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	
			Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Velocity					Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Speed			
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	24,0	14,0	3,7	8,0	27	998,6	–	0	0	8						998,6	300	10			1
2						1000,3										1000,4	280	14			2
3	24,0	14,0	3,7	8,0	27	998,6	–	0	0	8	37,0	19,0	3,0	7,6	12	998,3	290	5	0	10	3
4	22,8	14,5	6,9	10,0	36	998,3	–	0	0	6	37,0	18,0	-1,4	5,4	9	999,9	270	8	0	8	4
5	19,0	11,0	1,4	6,8	31	1000,2	–	0	0	10	35,0	17,5	-0,3	6,0	11	1000,1	140	10	0	10	5
6	23,5	12,5	-0,8	5,8	20	1000,4	230	6	0	8	35,0	18,5	4,0	8,2	15	1001,1	270	6	0	20	6
7	20,0	11,5	1,4	6,7	29	999,4	160	5	0	18	39,0	19,0	-0,2	6,0	9	1000,2	200	10	0	18	7
8	22,0	13,0	3,3	7,8	29	999,4	140	4	0	10	39,0	19,5	1,9	7,1	10	1000,5	150	8	0	9	8
9	22,8	14,4	6,6	9,8	36	1000,2	130	6	0	20	39,5	20,5	5,3	9,0	13	1000,9	270	7	0	20	9
10	23,5	13,0	1,1	6,6	23	999,2	260	3	0	20	39,5	18,5	-3,6	4,6	6	998,8	300	8	0	20	10
11	17,5	9,0	-3,3	4,7	24	998,5	–	0	0	20	39,0	19,0	-0,2	6,0	9	998,2	290	11	0	20	11
12	20,0	11,5	1,4	6,7	29	998,9	140	5	0	20	39,8	18,3	-5,4	4,0	6	1000,4	160	7	0	20	12
13	21,0	12,2	2,2	7,2	29	1002,8	250	3	0	20	38,6	19,0	0,4	6,4	9	1001,4	290	6	0	20	13
14						1000,6	–	0								1000,3	300	9			14
15						999,2	–	0								999,1	–	0			15
16						999,7	180	3								998,5	140	8			16
17	19,5	14,4	10,0	12,3	54	999,8	160	6	0	7	35,8	18,8	3,9	8,1	14	1000,5	200	9	0	8	17
18	19,2	12,3	5,2	8,8	39	1000,2	130	6	0	8	38,6	20,1	5,0	8,8	13	1001,5	200	7	0	8	18
19	21,3	12,5	2,8	7,5	30	1001,9	–	0	0	10	39,3	21,1	7,5	10,4	15	1002,4	280	7	0	20	19
20	21,8	11,5	-1,7	5,4	21	1002,7	–	0	0	8	35,1	19,3	6,7	9,8	17	1003,1	280	8	0	10	20
21	18,7	12,2	5,3	9,0	42	1001,1	140	3	0	7						1001,6	310	3			21
22						1001,3	–	0								1002,6	010	15			22
23						1002,0	–	0			36,5	19,0	3,8	8,0	13	1002,9	220	6	0	15	23
24	17,2	9,5	-0,7	5,8	30	1003,5	–	0	0	15	38,0	19,5	3,4	7,9	12	1004,1	240	6	0	15	24
25	19,5	11,5	2,2	7,2	32	1004,1	–	0	0	10	40,0	19,4	-0,1	6,1	8	1004,6	300	14	0	18	25
26	17,2	9,5	-0,7	5,8	30	1002,6	150	2	0	12	36,0	19,0	4,4	8,4	14	1001,8	290	10	0	10	26
27	19,8	10,6	-1,3	5,5	24	999,5	270	2	0	4	32,3	16,8	1,4	6,8	14	999,4	230	4	0	4	27
28	16,4	9,3	-0,1	6,1	33	1001,8	–	0	0	8	35,0	18,2	2,8	7,5	13	1002,6	280	4	0	8	[illegible]
29	16,0	8,2	-3,3	4,7	26	1004,1	240	2	0	8	36,0	18,0	0,3	6,3	10	1004,5	290	6	0	10	29
30	15,8	8,4	-2,1	5,2	29	1004,7	140	6	0	10	34,8	17,8	1,4	6,8	12	1005,0	200	4	0	10	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Agha Jari

Ground Level: 29 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°36' N Long: 49°50' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
					998,0						45,6	23,0		82,0	280	7	0	Haze	1
					998,6	300	8				42,3			81,5	290	22	0	–	2
40,0	19,0	-2,1	5,3	7	996,6	280	11	0	10		42,0	23,0		80,5	320	18	0	Haze	3
40,0	19,0	-2,1	5,3	7	997,7	300	15	0	3		42,0	22,8		76,5	180	5	0	"	4
37,5	19,0	2,2	7,2	11	998,5	270	6	0	20		40,0	18,3		74,0	180	11	0	"	5
39,0	18,5	-2,7	5,0	7	998,7	280	5	0	20		39,5	22,3		77,5	280	3	0	"	6
38,5	19,0	0,6	6,4	9	997,9	210	7	0	20		41,5	20,0		78,0	270	11	0	Clear	7
39,0	19,0	-0,2	6,0	9	998,5	160	12	0	16		41,8	20,0		79,0	220	22	0	Haze	8
40,0	19,0	-1,9	5,3	7	997,6	270	10	0	20		42,8	21,3		80,0	350	10	0	Clear	9
39,0	19,5	2,1	7,1	10	996,0	300	8	0	20		41,4	22,3		78,5	350	20	0	"	10
39,0	18,5	-2,7	5,0	7	996,3	300	8	0	20		41,2	17,0		78,5	310	16	0	"	11
38,6	18,5	-1,9	5,3	8	999,2	290	8	0	20		41,5	19,2		79,5	340	23	0	"	12
					999,4	290	8				40,6	18,2		78,5	310	19	0	"	13
					997,5	290	7				42,2	18,3		77,4	310	24	0	–	14
					997,3	150	3				41,3	17,8		79,4	170	9	0	–	15
36,2	19,2	4,9	8,7	14	996,2	200	5	0	20		42,8	18,0		79,8	200	11	0	Clear	16
37,4	18,8	1,6	6,4	10	998,1	290	8	0	8		40,3	19,1		72,4	290	14	0	Haze	17
40,8	20,5	3,5	7,9	10	999,2	280	10	0	20		43,6	18,6		75,3	280	14	0	"	18
38,7	20,0	4,5	8,5	12	999,6	290	5	0	20		42,0	19,4		73,2	280	15	0	Clear	19
38,1	18,0	-3,5	4,6	7	1000,4	280	3	0	20		38,6	19,2		76,4	300	18	0	Haze	20
					999,6	320	7				38,0	18,1		76,0	330	20	0	"	21
					1000,3	330	10				39,4	18,0		76,4	360	38	0	–	22
34,3	17,5	1,0	6,6	12	1001,3	270	8	0	20		39,4	18,4		76,7	250	17	0	Clear	23
35,8	18,2	1,5	6,9	12	1002,7	280	4	0	15		42,2	15,8		77,2	220	19	0	"	24
37,8	19,3	3,1	7,6	12	1002,9	280	4	0	20		42,4	17,5		78,5	310	15	0	"	25
35,3	18,0	1,4	6,8	12	999,5	310	18	0	4		41,0	16,5		74,8	290	30	0	Haze	26
35,6	18,5	2,9	7,6	13	998,6	310	6	0	5		37,8	19,4		73,0	310	15	0	"	27
34,2	17,0	-1,0	5,7	11	1002,3	290	6	0	8		39,7	15,6		75,3	290	12	0	"	28
35,0	17,0	-2,4	5,1	9	1002,9	330	6	0	10		39,8	14,7		76,1	270	16	0	"	29
34,5	16,5	-3,9	4,5	8	1002,9	300	6	0	12		38,8	14,8		74,3	290	12	0	Clear	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

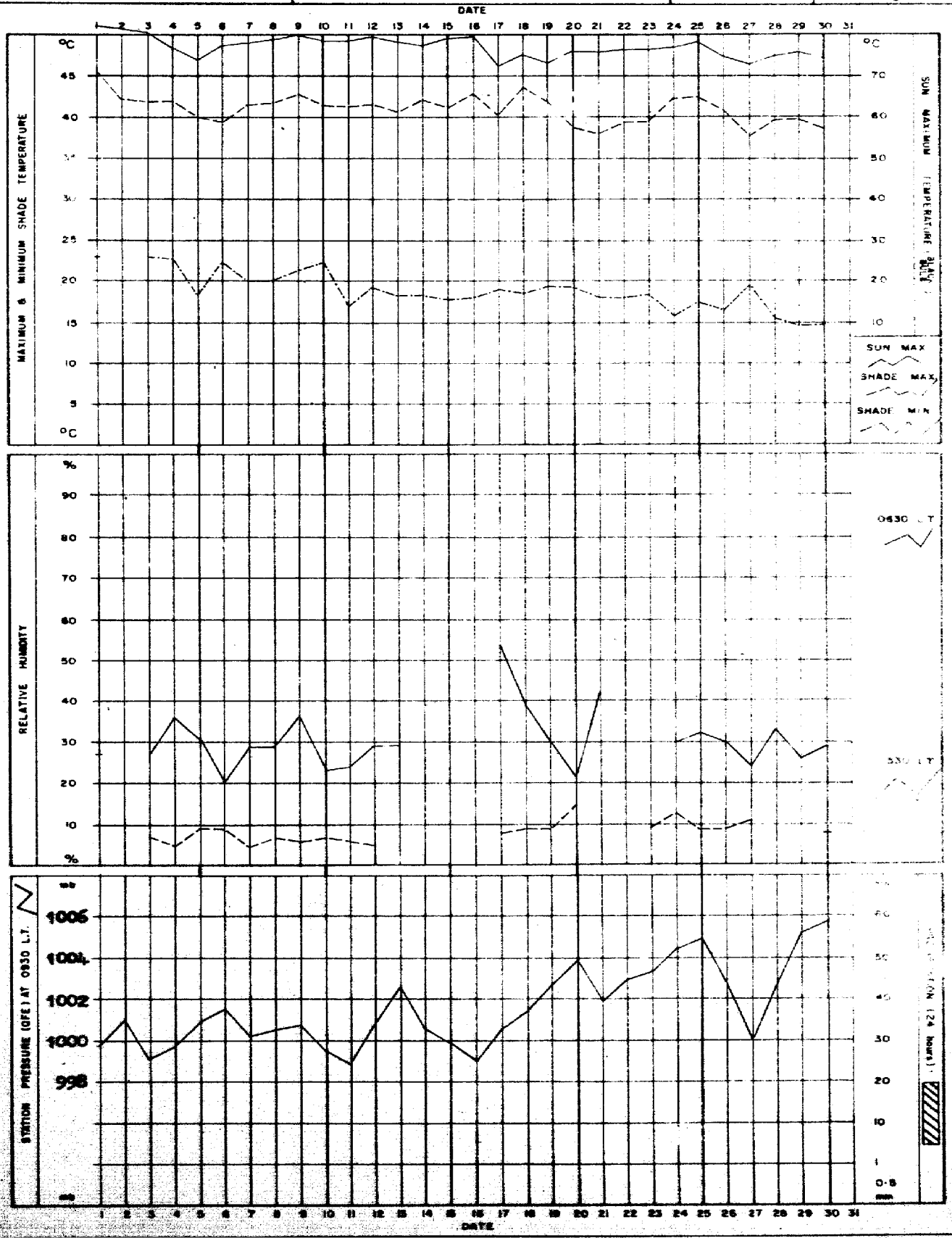
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

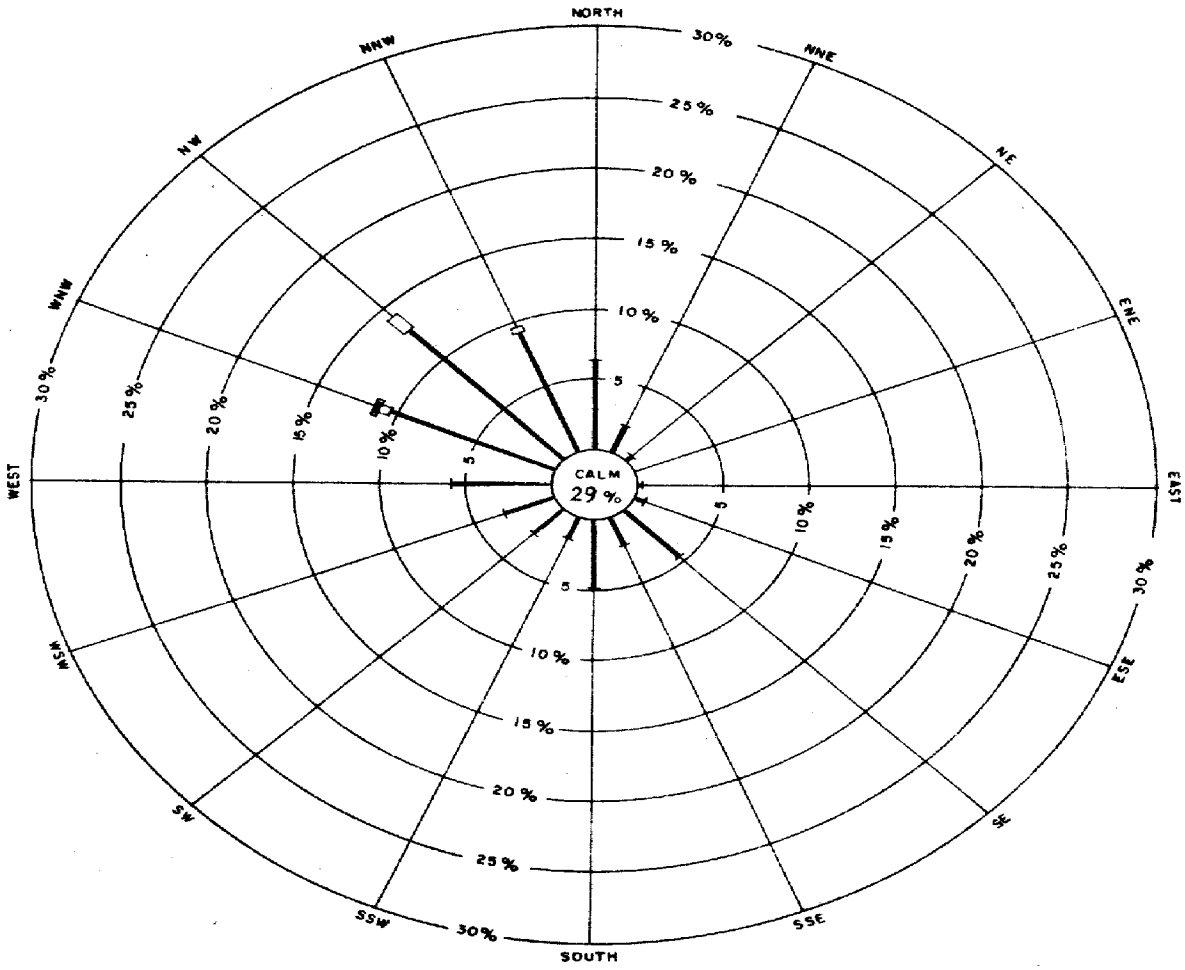
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1961
		Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N	Long: 49°50' E



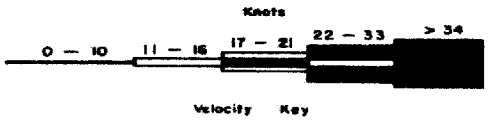
Met. Form 4

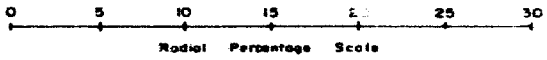
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Hours in month 720

Hours recorded 718



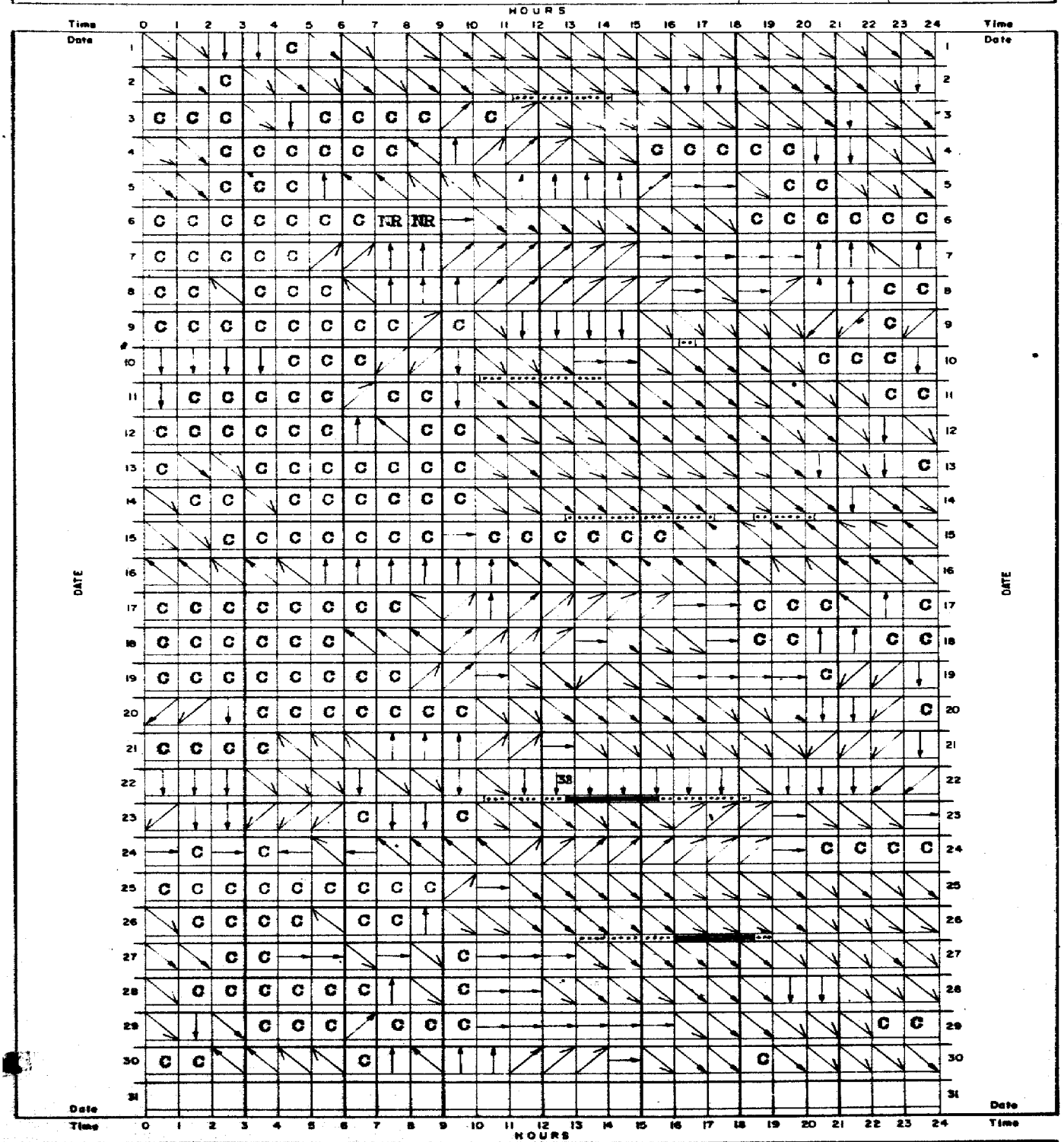


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

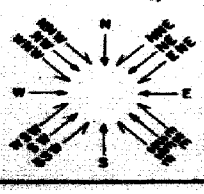
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year: 1961
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



3 4 40

Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks: Instrument overhauled and checked 6th September 0700–0900.

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: September Year: 1961
Ground Level: 709 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Gach Saran
		Lat: 30°21' N Long: 50°48' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	
			Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Velocity					Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Speed			
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1																					1
2	22,0	12,2	0,6	6,4	24	923,0	–	0	0	10	35,9	17,3	-2,6	4,9	8	923,0	330	8	0	8	2
3	19,5	10,4	-1,7	5,3	24	921,4	170	2	0	8	36,0	17,3	-8,1	4,8	8	921,3	220	11	0	8	3
4	20,8	11,0	-1,8	5,3	21	921,7	120	2	0	10	36,2	16,2	-11,9	2,4	4	923,1	270	12	0	8	4
5	18,7	8,6	-8,1	3,1	14	922,9	–	0	0	10	34,8	15,2	-18,1	1,6	3	923,1	150	5	0	7	5
6	18,0	9,5	-2,2	5,1	25	922,5	–	0	0	14	35,2	16,6	-4,9	4,1	7	923,7	280	5	0	14	6
7	19,3	9,4	-5,6	3,9	17	923,2	–	0	1	12	37,5	18,8	1,3	6,7	10	923,3	270	5	0	12	7
8	21,0	11,8	0,7	6,5	26	923,4	–	0	0	15											8
9	21,5	13,4	5,3	8,9	35	923,7	–	0	1	20	37,6	19,6	4,7	8,5	13	923,5	150	5	0	20	9
10	20,8	11,4	-0,2	6,0	25	922,3	–	0	1	20	36,2	17,0	-5,0	4,0	7	922,3	270	6	1	18	10
11	19,8	9,4	-6,7	3,5	15	921,7	–	0	0	20	36,0	15,8	-14,4	1,8	3	921,2	280	11	0	20	11
12	17,0	8,2	-5,5	3,9	20	922,9	–	0	0	20	35,0	15,6	-11,6	2,3	4	923,4	260	11	0	20	12
13	16,0	7,0	-9,1	2,8	15	924,7	–	0	0	20	36,2	16,2	-11,1	2,4	4	925,0	–	0	0	20	13
14	19,0	9,0	-6,7	3,5	16	924,3	–	0	0	20	39,6	18,9	-2,2	5,1	7	923,5	280	8	0	30	14
15	19,8	10,2	-3,1	4,8	21	922,1	–	0	0	14	40,1	19,2	-1,1	5,5	8	922,0	–	0	0	16	15
16	20,2	10,8	-1,5	5,4	23	921,1	–	0	0	6	37,4	17,8	-3,2	4,7	7	921,7	240	9	0	6	16
17	19,3	12,2	4,8	8,5	38	923,1	–	0	0	8	35,8	16,1	-10,4	2,6	4	923,1	250	8	0	14	17
18	14,6	7,1	-4,8	4,1	25	923,9	–	0	0	14	36,7	15,5	-21,7	0,7	1	924,1	260	13	0	20	18
19	20,0	11,4	1,1	6,6	28	925,2	–	0	0	18	35,9	16,3	-9,1	2,8	5	925,6	310	10	0	25	19
20	16,4	8,0	-5,1	4,0	21	925,0	070	1	0	20	32,5	15,5	-5,0	4,0	8	925,0	190	7	0	8	20
21	16,5	10,2	2,6	7,4	39	923,6	–	0	0	14	31,7	16,7	1,9	7,0	15	923,8	290	9	0	12	21
22	16,1	10,4	3,9	8,1	44	923,8	–	0	0	16	32,0	15,4	-4,4	4,2	9	924,6	270	11	0	20	22
23	14,0	6,8	-4,8	4,1	26	924,3	–	0	0	14	32,8	15,4	-6,5	3,6	7	924,9	200	5	0	20	23
24	15,5	8,0	-3,2	4,7	27	926,6	–	0	0	20	37,0	18,2	-0,5	5,9	9	927,1	090	6	0	25	24
25	17,4	10,0	0,6	6,4	32	927,5	–	0	0	20	38,5	18,7	-0,7	5,8	8	927,3	120	3	0	20	25
26	17,8	10,0	-0,1	6,1	30	925,5	–	0	0	18	37,0	18,5	0,9	6,5	10	924,1	270	7	0	25	26
27	17,5	9,6	-1,1	5,6	28	921,7	–	0	0	7	38,3	18,7	-0,6	5,9	9	921,4	240	6	0	18	27
28	17,6	9,6	-1,1	5,6	28	924,4	–	0	0	8	38,1	17,4	-7,3	3,3	5	924,9	260	11	0	14	
29	18,8	9,6	-3,4	4,6	21	921,3	–	0	0	16											29
30	17,0	8,8	-2,9	4,8	25	927,2	–	0	0	16	37,0	17,9	-1,8	5,2	8	927,1	–	0	0	25	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Gach Saran

Ground Level: 709 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830–1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
											41,8	22,4	21,6	73,2			0	Clear	1
34,0	15,8	-7,0	3,4	6	921,8	290	15	0	7		38,2	21,6	19,6	71,3			0	Haze	2
33,4	15,4	-8,1	3,1	6	920,5	280	16	0	8		37,1	18,8	18,1	68,9			0	"	3
32,5	14,2	-26,5	0,8	2	921,7	260	12	0	12		37,4	19,2	18,8	70,0			0	"	4
32,0	15,4	-4,4	4,2	9	922,1	280	7	0	14		36,8	18,5	17,6	69,6			0	"	5
32,3	15,0	-7,7	3,2	7	922,4	260	9	0	12		37,0	17,8	16,7	68,9			0	"	6
32,8	16,2	-2,1	5,2	11	922,5	270	11	0	15		39,0	19,0	18,1	71,1			0	Clear	7
33,5	18,4	5,6	9,0	17	922,8	270	9	0	18		38,9	19,6	18,8	70,6			0	"	8
34,2	16,8	-1,8	5,2	10	922,4	260	10	1	16		38,8	20,8	19,7	70,2			0	Fair	9
33,4	15,1	-14,5	1,8	3	921,0	260	6	4	18		38,0	20,7	19,5	69,3			0	"	10
32,4	14,1	-16,7	1,5	3	920,8	260	10	0	20		37,0	19,3	18,5	68,4			0	Clear	11
31,8	13,8	-17,5	1,4	3	923,1	270	10	0	25		36,7	15,6	14,8	67,4			0	"	12
33,0	14,7	-11,6	2,3	4	923,8	240	8	0	30		38,2	15,3	14,3	71,1			0	"	13
34,7	15,8	-9,1	2,8	5	921,8	270	13	0	14		40,5	18,6	17,5	72,2			0	"	14
33,4	16,2	-3,2	4,7	9	921,4	270	8	0	4		40,8	19,8	18,7	72,2			0	Haze	15
33,1	19,8	10,3	12,5	25	921,0	270	5	0	6		38,6	19,6	18,8	69,4			0	"	16
30,5	14,8	-4,3	4,3	10	922,9	280	7	0	12		36,4	18,8	17,9	68,3			0	"	17
31,5	16,2	0,1	6,2	14	924,1	270	9	0	20		37,4	14,1	12,8	68,9			0	Clear	18
31,6	15,2	-3,4	4,6	10	924,8	250	7	0	25		36,5	19,6	17,6	66,9			0	"	19
28,4	14,5	-0,3	6,0	14	923,7	280	10	0	15		32,6	15,8	14,9	63,3			0	Haze	20
29,5	15,0	-1,4	5,5	13	922,9	280	15	0	14		33,1	15,8	14,9	64,4			0	Clear	21
29,3	13,0	-13,3	2,0	5	923,1	280	15	0	20		34,0	15,5	14,0	66,1			0	"	22
29,4	14,6	-1,9	5,3	12	924,4	260	8	0	20		34,6	13,4	12,3	67,2			0	"	23
31,7	16,5	1,1	6,6	14	926,7	290	7	0	25		38,2	14,7	13,6	69,6			0	"	24
30,6	17,0	1,7	6,9	14	926,6	300	6	0	25		39,7	17,4	16,6	69,6			0	"	25
31,6	15,0	-5,8	3,8	8	922,3	280	11	0	12		38,2	17,1	15,8	70,1			0	"	26
30,0	15,0	-2,3	5,1	12	921,7	270	8	0	5		39,0	17,1	16,1	71,0			0	Haze	27
33,3	15,2	-9,4	2,8	5	925,5	310	10	0	14		38,7	16,9	16,1	70,5			0	"	28
30,6	13,6	-13,3	2,0	5	926,5	270	9	0	25		38,5	17,5	16,1	70,1			0	Clear	29
29,5	15,1	-0,9	5,7	14	926,3	270	6	0	20		37,3	16,6	15,1	69,7			0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

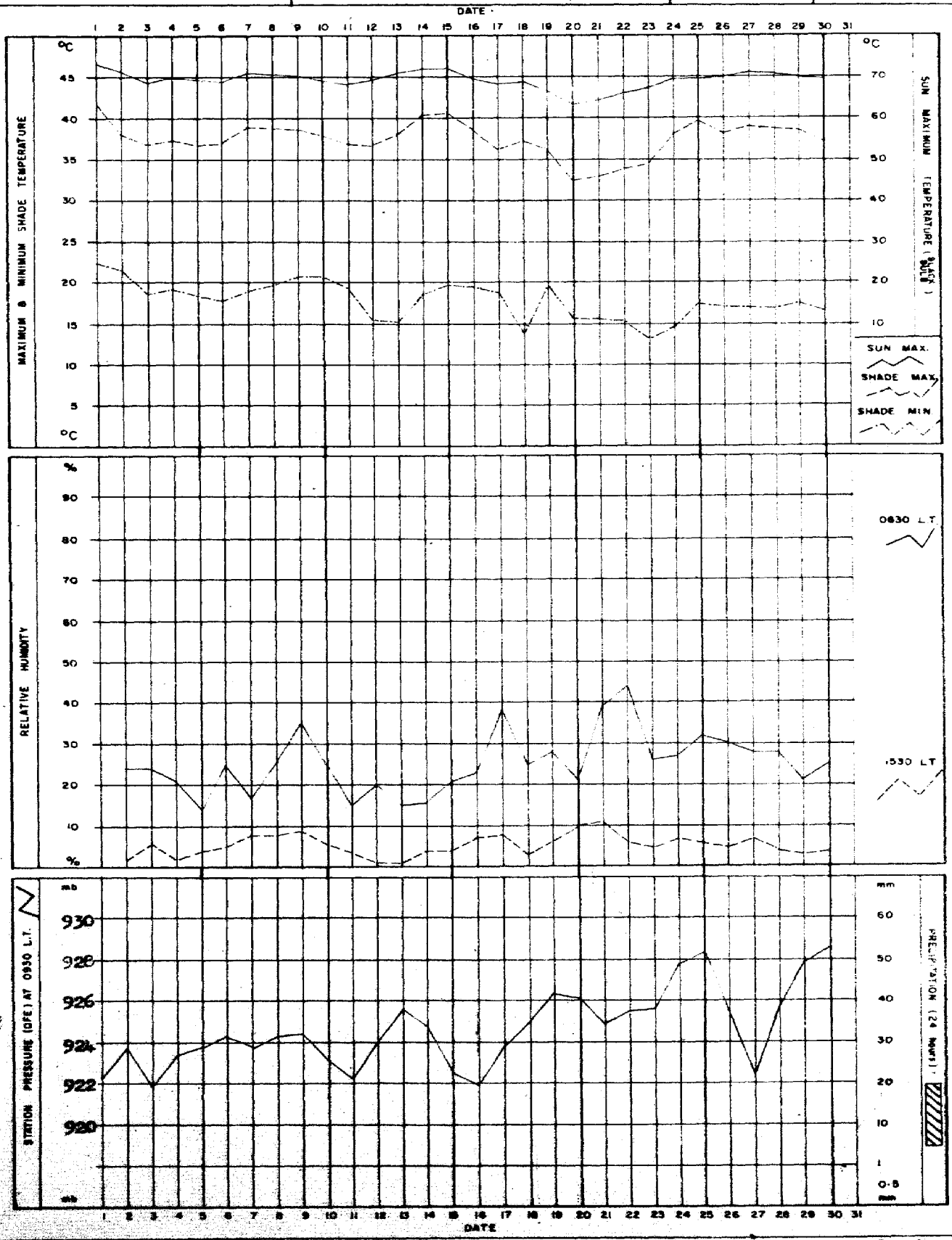
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1[illegible]
		Station: Gach Saran	
Ground Level: 709 m A.M.S.L.	Local Time: G.M.T + 3½ hrs	Lat: 30°21' N.	Long: 50°48' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Bandar Mahsur

Ground Level: 8 m A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°33' N | Long: 49°09' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	25,0	14,6	4,3	8,3	26	998,3	320	4	0	10	46,0	21,5	0,0	6,1	6	998,6	320	18	0	15	1
2	22,5	14,6	7,4	10,3	38	1001,7	–	0	0	8	40,3	19,8	1,3	6,7	9	1001,7	290	20	0	4	2
3	20,5	13,0	5,3	8,9	37	1000,0	270	3	0	10	37,6	18,5	-0,1	6,0	9	1000,0	320	12	0	8	3
4	18,5	11,3	3,0	7,6	36	1000,0	–	0	0	8	39,5	18,0	-6,6	3,6	5	1001,0	280	28	0	1,5	4
5	18,0	12,4	6,8	9,9	48	1001,4	–	0	1	5	35,2	19,5	7,1	10,6	18	1001,4	260	8	0	8	5
6	18,3	11,8	4,9	8,7	41	1002,0	–	0	0	6	36,5	19,5	5,5	9,0	15	1003,0	260	5	0	12	6
7	19,8	14,4	9,7	12,1	52	1001,0	–	0	0	10	37,5	21,5	10,7	12,8	20	1002,0	190	10	0	15	7
8	21,5	19,0	17,4	20,0	78	1001,8	–	0	0	8						1002,5	180	2			8
9	20,0	16,0	13,0	15,0	64	1001,5	–	0	0	10	40,7	21,8	8,4	11,0	14	1002,8	260	8	0	12	9
10	20,5	14,0	8,2	10,8	45	1000,9	–	0	0	10	40,0	21,8	9,1	11,6	16	1000,3	260	15	0	14	10
11	19,2	12,8	6,4	9,6	43	999,9	–	0	0	12	39,2	19,5	1,7	6,9	10	1000,0	290	12	0	15	11
12	18,5	11,9	4,8	8,6	40	1000,9	–	0	0	15	39,4	20,0	3,6	7,9	11	1002,2	290	18	0	20	12
13	19,0	13,0	7,2	10,2	46	1003,5	290	4	0	12	41,2	19,6	-1,2	5,5	7	1003,6	310	12	0	15	13
14	18,9	12,6	6,3	9,6	44	1002,7	280	6	0	20	39,4	18,9	-1,4	5,4	8	1002,2	300	12	0	15	14
15	20,8	12,5	3,5	7,9	32	1000,6	280	10	0	6	35,0	19,9	8,6	11,1	20	1000,6	280	6	0	8	15
16	17,9	12,1	6,2	9,5	46	998,9	–	0	0	6	35,3	19,4	6,7	9,8	17	999,6	–	0	0	12	16
17	18,8	12,8	6,9	10,0	46	1001,3	–	0	0	6	36,8	18,5	1,2	6,7	11	1001,8	180	6	0	8	17
18	20,0	15,6	12,2	14,2	61	1001,5	–	0	0	8	38,9	19,9	3,9	8,0	12	1002,7	180	8	0	12	18
19	20,7	18,1	16,4	18,7	77	1002,7	–	0	0	12	39,2	20,2	4,5	8,5	12	1003,8	180	10	0	18	19
20	20,7	13,5	5,9	6,3	38	1004,5	270	4	0	15	34,2	19,0	6,7	9,8	18	1005,1	270	8	0	18	20
21	19,3	14,4	10,3	12,5	56	1002,4	–	0	0	10						1004,1	250	10			21
22						1003,7	260	7								1005,5	280	18			22
23	18,0	12,5	7,1	10,2	49	1003,6	270	6	0	12	35,3	19,3	6,4	9,6	17	1004,2	300	12	0	12	23
24	16,2	10,4	3,7	8,0	44	1004,7	280	3	0	12	35,4	19,2	5,9	9,3	16	1005,8	200	4	0	15	24
25	17,9	10,6	1,7	6,9	35	1005,4	280	7	0	12	39,4	18,7	-2,5	5,0	7	1006,2	300	12	0	15	25
26	17,0	11,5	5,7	9,2	47	1003,9	270	5	0	12	37,5	18,9	1,8	7,1	11	1003,3	290	22	0	0,7	26
27	18,3	10,8	1,7	6,9	33	1000,1	290	5	0	1,2	32,2	16,5	0,2	6,2	13	1000,8	280	6	0	4	27
28	15,8	9,8	2,5	7,3	41	1003,5	300	3	0	5	34,3	17,4	0,6	6,4	12	1004,0	280	7	0	8	28
29	13,6	7,6	-0,9	5,6	36	1005,7	280	2	0	12	34,5	17,0	-1,6	5,4	10	1005,9	250	5	0	15	29
30	14,0	8,8	2,2	7,2	45	1006,0	270	3	0	12	37,0	17,0	-7,1	3,4	5	1006,3	300	20	0	12	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Bandar Mahshar

Ground Level: 8 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

Observations at 1830										See Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
40,4	20,8	5,2	8,8	12	998,5	300	10	0	12		47,0	24,5		78,6	320	28	0	Haze	1
36,9	18,5	1,1	6,7	10	1000,2	290	12	0	8		41,9	22,5		75,2	300	28	0	"	2
38,4	17,5	-7,3	3,5	5	998,4	300	28	0	1		42,1	19,6		75,0	290	34	0	Dust	3
36,9	17,9	-1,7	5,3	9	999,8	300	18	0	5		41,4	17,3		74,0	290	41	0	Haze	4
35,6	17,7	-0,4	5,9	10	999,9	320	5	0	12		39,9	17,3		73,5	290	25	0	"	5
36,1	19,1	4,5	8,6	14	1000,3	270	4	0	12		39,9	17,9		72,6	300	18	0	"	6
34,5	22,0	14,4	16,4	30	999,8	180	6	0	8		40,5	18,8		73,0	200	14	0	"	7
					1001,0	180	7				41,0	18,5		73,0	180	14	0	"	8
39,0	20,5	5,9	9,3	13	1000,0	300	8	0	10		42,0	20,0		74,2	310	20	0	"	9
36,8	20,9	9,7	12,0	19	998,6	280	6	0	12		41,6	20,4		74,8	290	16	0	"	10
37,4	19,4	4,0	8,2	13	998,2	290	6	0	15		41,5	18,6		74,7	310	24	0	Clear	11
36,2	18,8	3,3	7,8	13	1001,2	300	6	0	15		42,2	18,4		75,0	300	35	0	"	12
36,5	18,6	2,1	7,1	12	1002,2	290	6	0	12		42,0	18,7		75,8	290	25	0	"	13
38,6	18,2	-3,6	4,5	7	999,8	290	16	0	8		43,4	18,8		74,8	290	26	0	Haze	14
36,2	20,9	10,2	12,5	21	998,6	-	0	0	8		39,9	20,3		72,6	280	20	0	"	15
32,2	23,3	18,7	21,6	45	998,0	-	0	0	10		40,2	17,6		74,0	170	13	0	"	16
34,2	18,3	4,3	8,3	15	1000,5	-	0	0	6		40,2	18,3		74,2	270	19	0	"	17
33,8	21,3	13,4	15,3	29	1001,1	160	5	0	15		41,6	20,0		73,6	180	16	0	"	18
33,6	20,9	12,6	14,6	28	1002,0	160	5	0	12		41,0	20,6		73,8	250	24	0	Clear	19
33,0	19,8	10,3	12,5	25	1002,8	240	4	0	20		36,2	20,0		70,0	240	19	0	"	20
33,5	18,0	4,2	8,3	16	1002,7	300	12	0	12			18,9		72,0	270	20	0	Haze	21
					1004,7	270	8				39,0	17,0		72,0	270	29	0	-	22
32,8	17,5	3,3	7,8	15	1003,0	280	6	0	15		38,6	17,0		71,8	270	16	0	Clear	23
31,7	21,0	14,3	16,3	33	1004,2	210	5	0	15		37,6	16,1		68,9			0	"	24
34,0	17,0	-0,6	5,8	11	1004,4	280	9	0	12		41,8	17,5		72,5	310	23	0	"	25
32,3	17,0	1,6	7,1	15	1001,3	290	20	0	4		39,0	16,8		70,2	310	32	0	Dust	26
31,8	16,2	-0,4	5,9	13	999,6	300	4	0	10		37,1	18,1		68,1	310	17	0	Haze	27
32,0	15,7	-2,9	4,8	10	1003,9	300	6	0	10		39,0	15,6		69,6	310	13	0	"	28
31,8	15,0	-6,4	3,6	8	1004,5	280	4	0	12		38,6	13,4		69,9	310	11	0	Clear	29
32,0	15,6	-3,4	4,6	10	1004,8	300	10	0	12		39,0	13,8		70,6	300	28	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

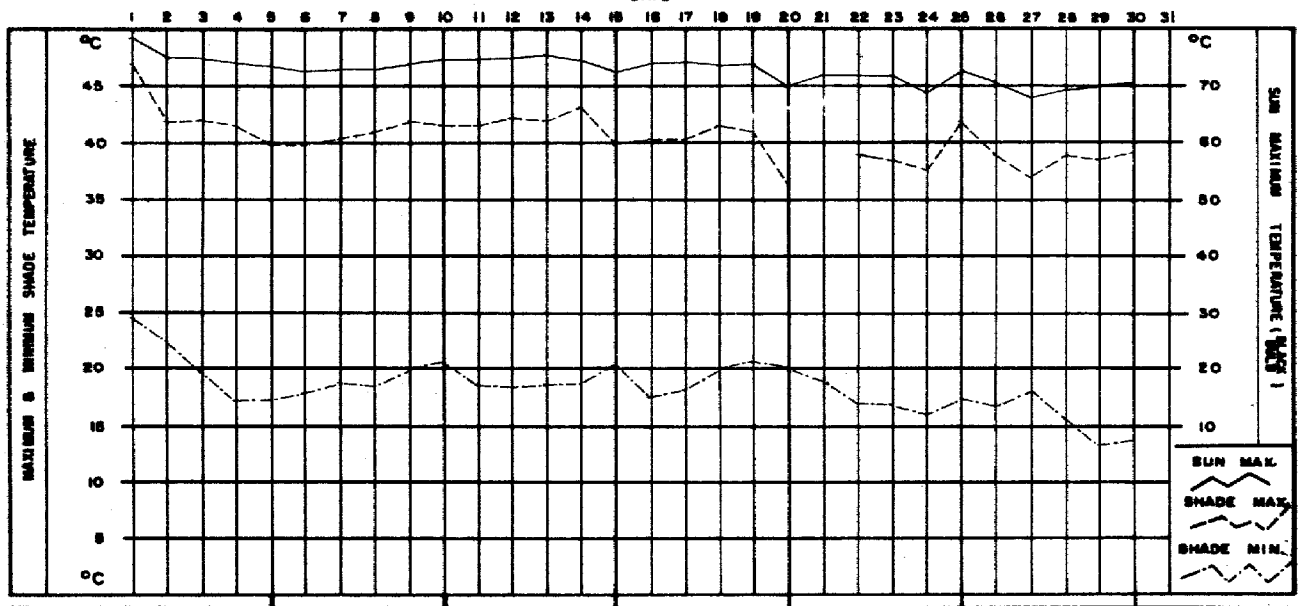
Snow: Snowfall

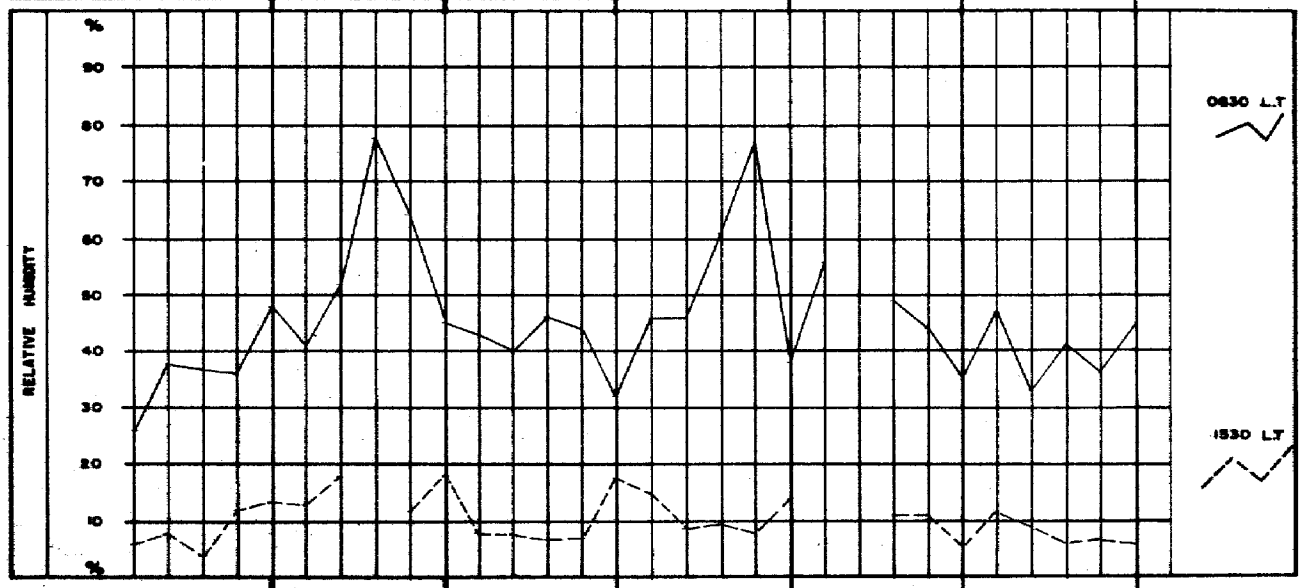
Rainsh.: Rain falling as showers

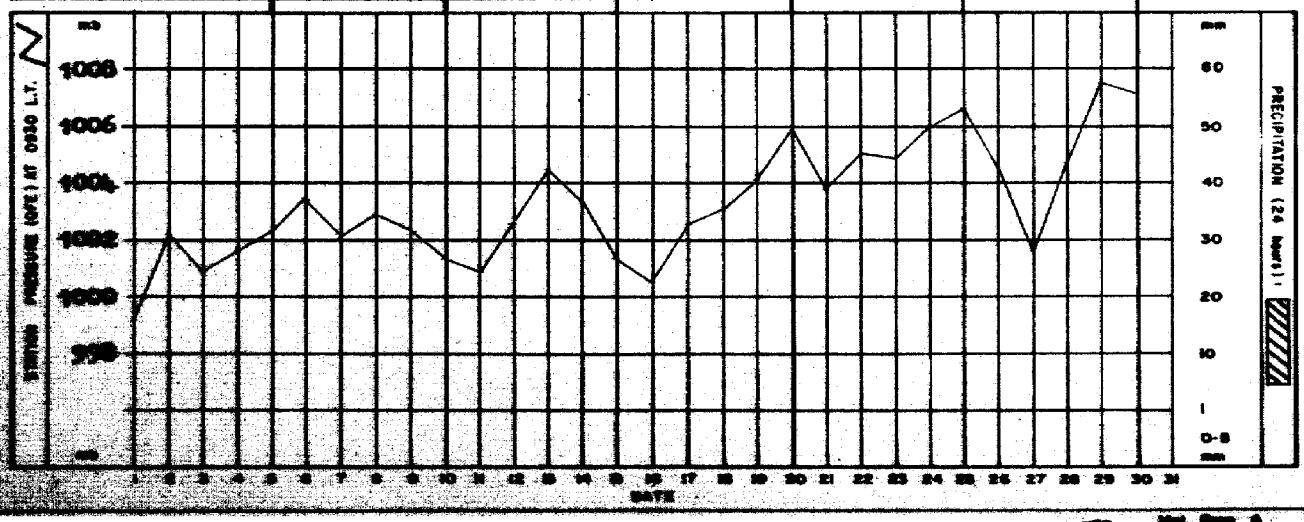
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

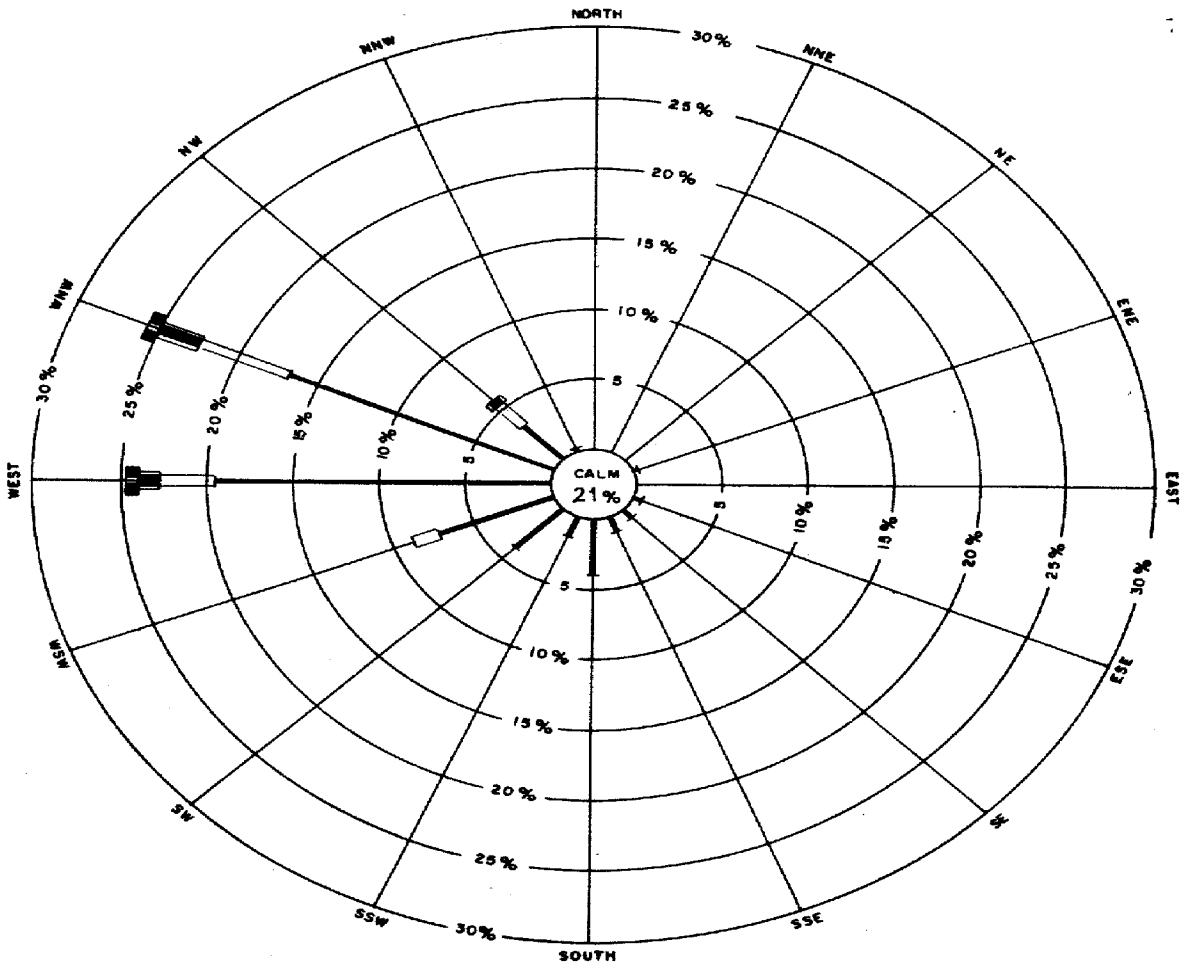
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1961
		Station: Bandar Mashur	
Ground Level: 8 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E





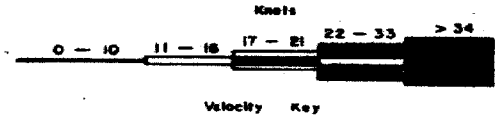


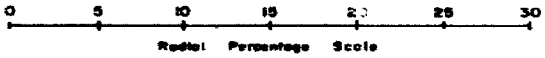
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Bandar Mahshar	
Ground Level: 8 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Hours in month 720

Hours recorded 720



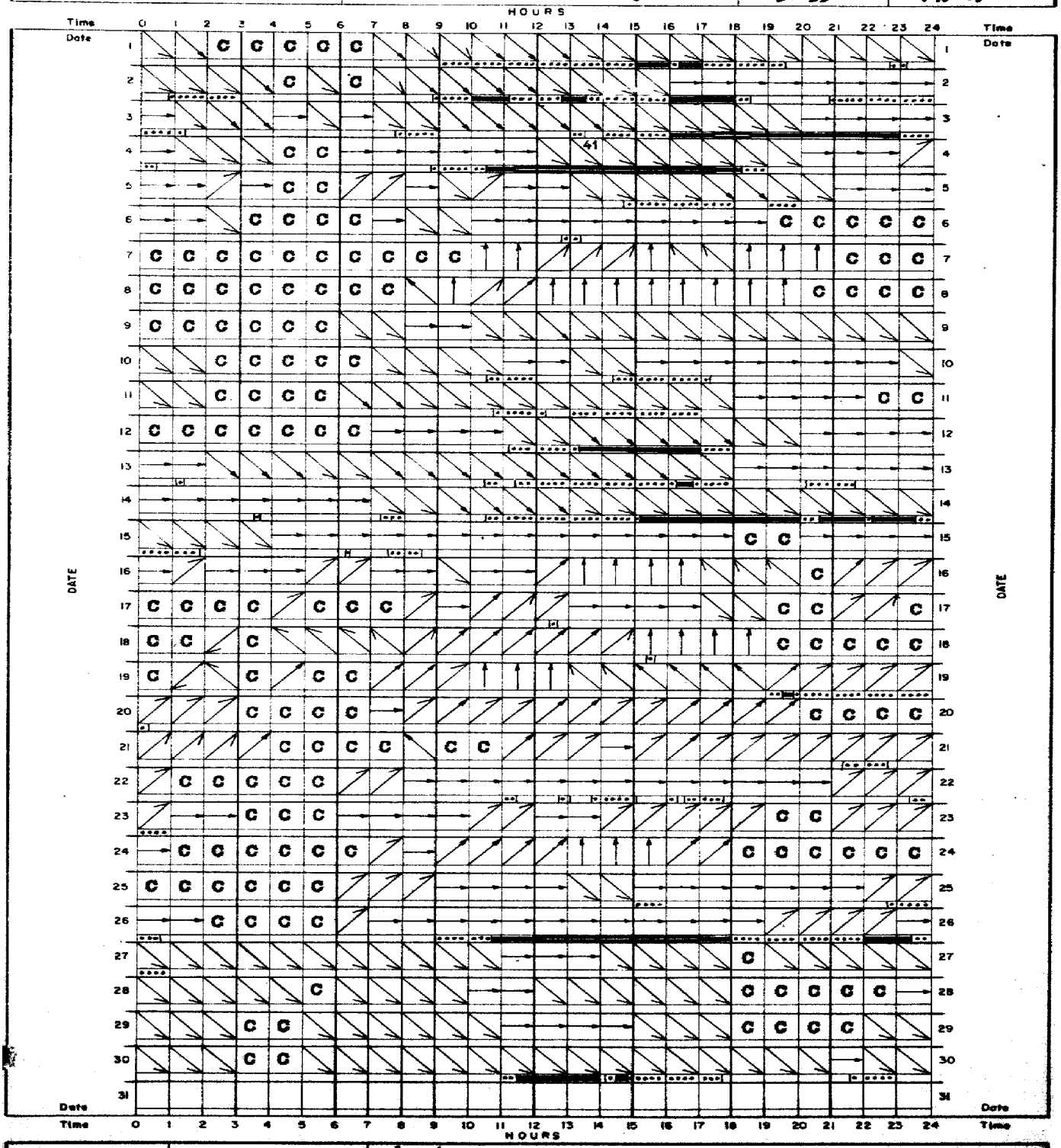


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

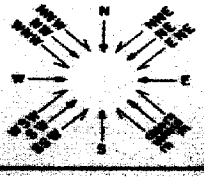
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year: 1961
	DINES ANEMOGRAPH	Station: Bandar Mahshar	
Ground Level: 8 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key



3 4 40

Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: September Year: 1961 Station: Kharg Island
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N Long: 50°20' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	31,0	28,8	28,0	37,8	84	999,0	340	5	0	20	38,4	28,6	24,8	31,4	46	998,9	320	8	0	20	1
2	33,0	24,6	20,5	24,2	48	1000,8	360	20	0	20	37,4	25,2	19,3	22,3	34	1002,0	360	14	0	20	2
3	30,6	20,5	14,2	16,2	37	1000,8	330	22	0	20	32,8	23,0	17,8	20,3	40	1000,6	310	10	0	20	3
4	29,0	22,4	18,9	21,8	54	1000,1	310	2	0	12	32,8	24,8	21,0	24,9	50	1002,2	290	9	0	20	4
5	30,0	22,4	18,3	21,1	50	1001,8	310	12	0	15	34,2	23,0	16,8	19,2	35	1003,0	310	10	0	20	5
6	30,0	24,4	21,7	26,0	61	1002,1	310	14	0	15	32,8	22,8	17,3	19,5	39	1003,4	320	12	0	20	6
7	27,4	26,4	26,0	33,7	92	1001,2	-	0	2	15	36,4	25,4	17,4	23,7	38	1002,2	320	3	0	20	7
8	24,8	24,2	23,9	29,8	95	1001,7	-	0	2	20	34,8	27,0	23,8	29,5	52	1002,4	260	4	0	20	8
9	26,8	25,4	24,9	31,5	89	1002,0	-	0	0	15	35,2	26,2	22,3	26,9	46	1002,3	320	5	0	20	9
10	30,6	24,2	21,2	25,2	57	1000,7	290	10	3	20	34,2	24,2	19,2	22,3	40	1001,0	270	13	5	20	10
11	30,0	25,0	22,7	27,7	65	999,7	320	5	0	20	34,4	24,4	19,3	22,6	40	1000,1	320	9	0	25	11
12	29,6	25,0	22,8	27,9	67	1001,1	300	8	0	20	35,0	26,0	22,0	26,5	46	1002,4	270	10	0	20	12
13	29,2	23,2	20,2	23,4	58	1002,7	300	10	0	20	33,4	25,6	22,1	26,7	51	1004,3	270	8	0	20	13
14	28,2	22,8	20,0	23,4	60	1002,7	280	12	0	7	32,0	24,6	21,1	25,0	52	1002,6	260	14	0	20	14
15	28,2	21,6	17,9	20,6	54	1001,0	330	15	0	15	30,6	22,8	18,7	21,5	49	1001,5	310	10	0	20	15
16	28,0	22,8	20,4	24,1	64	999,6	300	2	0	7	32,0	24,2	20,4	24,0	50	1000,9	300	6	0	15	16
17	27,4	23,2	21,2	25,1	69	1001,5	300	2	0	12	32,0	24,0	20,1	23,4	50	1003,0	310	9	0	10	17
18	23,0	23,0	23,0	28,2	100	1002,1	-	0	0	15	34,2	23,0	16,8	19,1	36	1003,2	260	8	0	15	18
19	25,2	24,8	24,6	31,0	97	1002,9	-	0	0	15	35,0	24,4	19,1	22,1	39	1004,3	310	6	0	20	19
20	28,4	21,4	17,4	19,9	51	1004,7	280	14	0	20	32,6	21,4	14,4	16,5	31	1005,6	300	10	0	20	20
21	26,8	23,8	22,3	27,0	76	1003,2	-	0	0	15	32,4	22,6	17,2	19,6	40	1003,9	270	6	0	20	21
22	26,6	23,6	22,2	26,8	77	1003,2	-	0	0	20	32,0	22,0	16,2	18,4	39	1004,2	310	15	0	20	22
23	28,0	23,2	20,8	24,6	65	1003,0	290	3	0	20	31,8	23,2	18,7	21,6	46	1004,7	300	10	0	20	23
24	27,2	23,2	21,1	25,3	69	1005,0	350	2	0	20	33,4	24,4	20,0	23,4	46	1006,3	350	3	0	20	24
25	26,8	24,2	23,0	28,2	80	1005,5	-	0	0	20	33,4	25,4	21,8	26,1	51	1006,4	300	8	0	20	25
26	27,8	23,2	20,9	24,8	66	1003,8	300	12	0	20	30,8	24,4	21,4	25,5	57	1003,8	310	16	0	20	26
27	25,6	18,8	14,3	16,3	49	1001,2	300	10	0	5	28,8	20,8	15,9	18,2	46	1001,3	320	15	0	4	27
28	26,2	21,2	18,4	21,2	62	1002,8	350	8	0	10	29,2	23,6	20,9	24,7	61	1004,4	330	9	0	9	28
29	26,6	21,4	18,6	21,4	61	1005,7	320	8	0	20	31,4	23,0	18,6	21,4	46	1006,1	310	7	0	20	
30	25,0	22,2	20,8	24,6	78	1006,2	310	8	0	15	30,6	22,2	17,6	20,1	46	1007,3	310	7	0	25	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

12

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Kharg Island

Ground Level: 3 m A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 29°15' N | Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
37,2	28,4	25,0	31,7	50	998,3	300	10	0	20		38,8	30,4	26,8	68,9	300	26	0	Clear	1
34,6	26,4	22,9	28,0	51	1000,2	290	15	0	20		37,6	31,6	31,2	67,8	310	33	0	"	2
33,4	24,4	20,0	23,4	44	999,1	290	8	0	20		34,8	30,5	29,0	65,6	310	34	0	"	3
33,4	25,4	21,8	26,1	50	999,9	280	17	0	8		36,0	28,4	26,0	65,0	320	28	0	Haze	4
31,6	24,5	21,2	25,2	54	1001,0	260	8	0	25		34,6	29,8	28,0	66,1	320	24	0	Clear	5
31,6	23,0	18,4	21,2	45	1001,4	290	10	0	25		33,6	28,0	24,4	64,4	320	29	0	"	6
32,0	25,4	22,4	27,2	57	1001,2	270	3	3	20		37,0	27,0	23,8	67,8	300	5	0	Fair	7
31,6	27,6	26,0	33,8	72	1001,3	280	2	0	20		35,5	24,8	21,6	66,1	270	4	0	"	8
33,0	25,4	21,9	26,4	52	1000,4	300	7	0	25		36,2	26,2	21,4	67,2	300	8	0	"	9
31,6	25,6	22,9	28,0	60	999,1	290	10	3	25		35,0	30,4	27,4	66,1	320	19	0	P.Cloudy	10
31,0	25,0	22,4	27,0	60	999,0	250	4	0	25		34,8	29,4	26,6	65,6	300	20	0	Clear	11
32,6	24,2	20,1	23,5	48	1001,3	290	9	0	25		36,4	28,6	26,0	68,5	300	21	0	"	12
33,6	23,4	18,0	20,7	40	1002,0	290	15	0	20		35,1	28,3	24,6	65,6	300	27	0	"	13
33,2	24,8	20,8	24,5	48	1000,0	280	10	0	20		35,0	28,0	26,8	64,4	320	33	0	Haze	14
29,0	22,4	18,8	21,8	54	1000,2	-	0	0	20		33,4	28,0	26,6	62,7	310	33	0	Clear	15
29,4	24,0	21,4	25,5	62	999,7	280	4	0	20		32,4	27,2	23,0	63,8	270	16	0	Haze	16
29,2	24,0	21,5	25,5	63	1001,8	-	0	0	10		33,2	23,7	19,1	65,0	310	9	0	Clear	17
30,4	27,0	25,7	33,0	77	1002,2	-	0	0	20		34,7	22,4	19,5	65,6	300	14	0	"	18
30,4	26,6	25,1	31,8	73	1003,5	270	4	0	20		35,5	23,2	18,0	65,6	300	14	0	"	19
29,4	21,0	16,0	18,2	44	1004,0	300	8	0	20		33,3	27,8	23,2	63,8			0	"	20
29,6	24,6	22,3	27,0	65	1002,6	270	4	0	20		33,4	25,2	23,6	64,4	290	14	0	"	21
30,4	24,0	20,9	24,8	57	1002,4	280	15	0	20		33,4	26,4	23,0	64,4	290	24	0	"	22
29,6	23,6	20,7	24,4	59	1003,6	310	4	0	20		32,6	27,5	22,5	64,4	310	19	0	"	23
29,2	24,2	21,9	26,3	65	1004,7	260	4	0	20		34,5	26,6	23,7	65,0	310	16	0	"	24
33,0	22,0	15,5	17,6	35	1004,6	300	12	0	20		34,3	25,2	22,0	64,4	310	19	0	"	25
31,6	23,2	18,8	21,8	47	1001,3	270	18	0	2		33,4	27,5	22,2	62,2	320	29	0	Dust	26
28,0	21,6	18,1	20,7	55	1000,2	320	10	0	4		31,6	25,5	23,8	60,0	330	12	0	Haze	27
28,6	24,2	22,1	26,7	67	1003,2	280	7	0	10		31,4	25,8	24,4	62,2	340	19	0	"	28
27,6	23,6	21,7	26,0	70	1005,0	310	8	0	20		31,6	26,0	22,4	62,7	310	20	0	Clear	29
28,8	23,8	21,4	25,5	64	1005,3	260	3	0	20		31,4	24,8	22,2	62,7	320	21	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

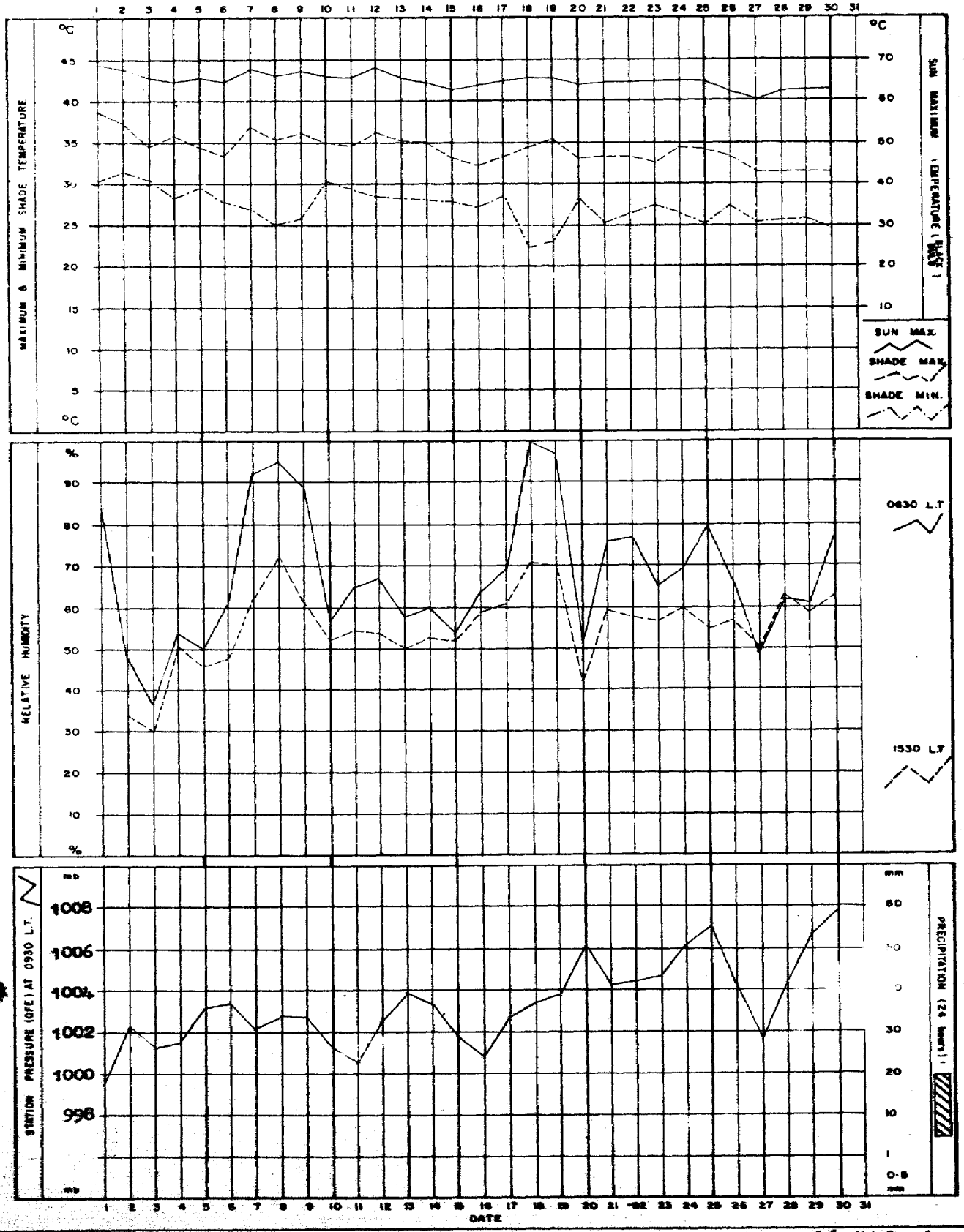
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

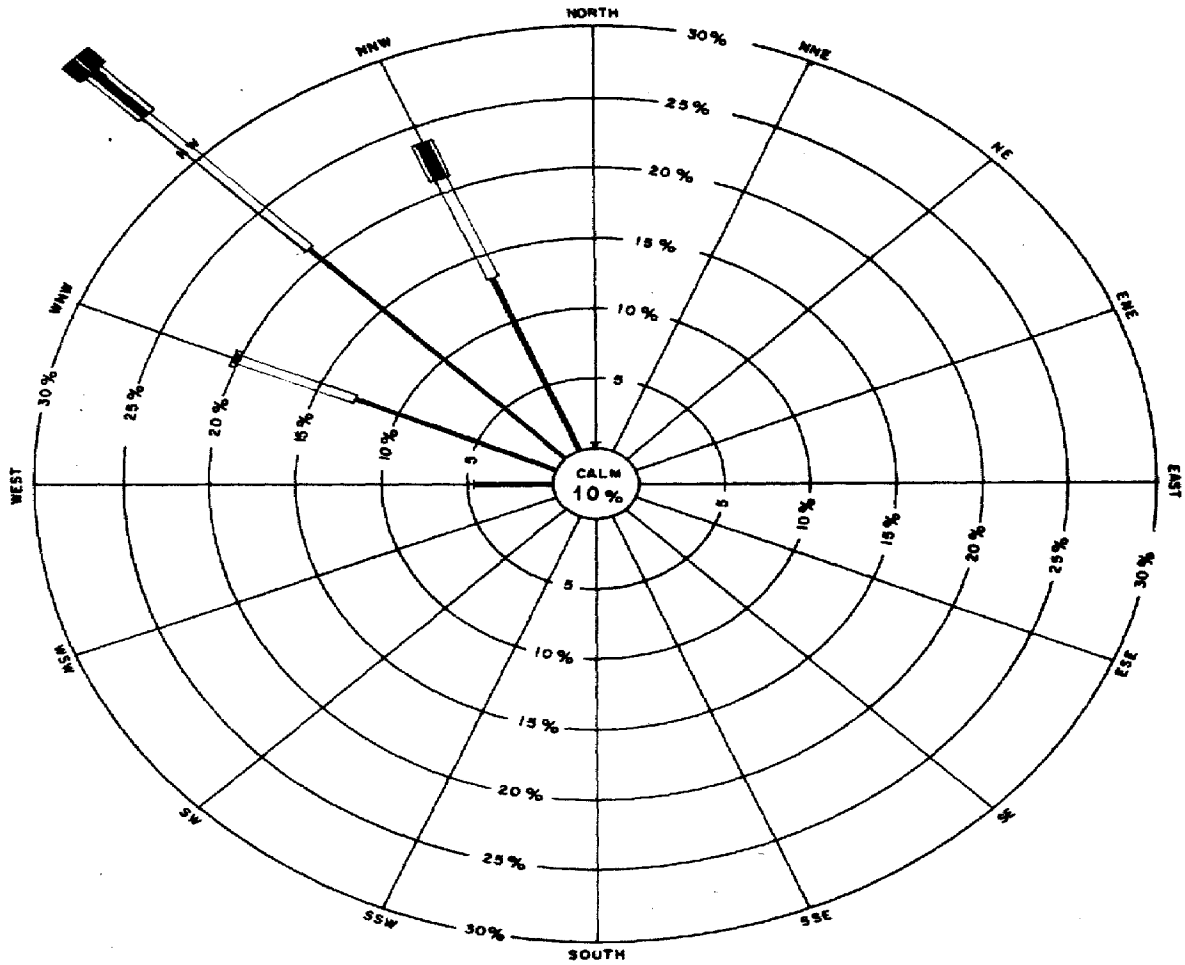
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1961
		Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



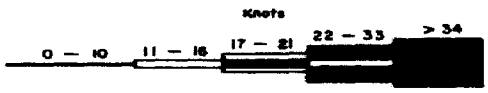
Met. Form 4

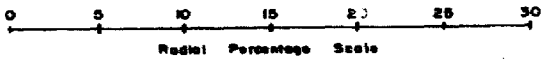
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Hours in month 720

Hours recorded 716



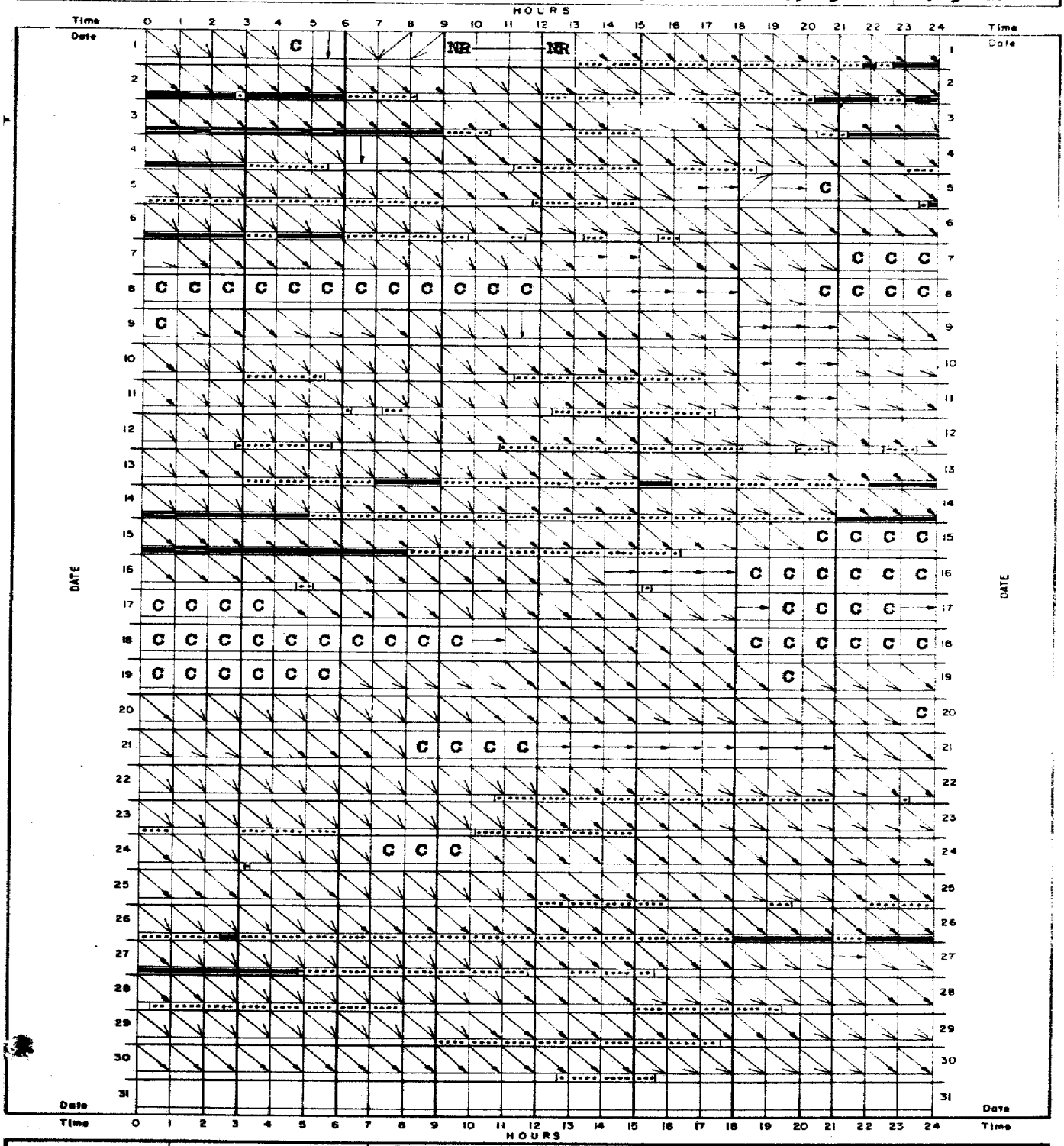


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year 1961
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N	Long: 50°20' E



Velocity Key	Direction Key	Example:	
C Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW	3 4 / 40	From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.
1 – 10 Knots			
11 – 16			
17 – 21			
22 – 33			
> 34			

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 26°48' N | Long: 53°22' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1						999,3	150	4			35,0	31,2	30,0	42,5	76	1000,0	150	11			1
2						1000,2	–	0			34,6	31,0	29,8	42,1	76	1000,7	170	6			2
3						999,3					37,0	28,2	24,8	31,2	50	998,7					3
4						1000,0	130	6			33,6	30,6	29,6	41,5	80	1000,6	160	8			4
5						1001,0	–	0			34,8	30,5	28,5	40,2	72	1001,1	–	0			5
6						1001,3										1002,4	160	6			6
7						1002,2					33,0	30,4	29,6	41,4	82	1002,4	200	12			7
8						1001,7	–	0			33,5	30,2	29,1	40,3	78	1002,2	230	4			8
9						1002,1					34,4					1002,4	230	7			9
10						1000,0	–	0			34,6					1000,7					10
11						998,9	–	0			34,4					999,6					11
12						1000,3	–	0			35,2					1000,0					12
13						999,7	–	0			35,2	30,0	28,2	38,3	67	1000,9					13
14						999,9					37,5	31,0	28,9	39,7	61	999,5					14
15						998,6					34,2	29,3	27,6	36,8	68	999,8					15
16						999,5										1001,1					16
17						1001,5					33,9	29,0	27,2	36,1	68	1001,9					17
18																1002,6					18
19						1002,7										1004,4					19
20						1001,3					37,0					1002,9	270	9			20
21							300	12			32,8					1002,7	280	10	1	30	21
22	26,2	22,7	20,9	24,8	73	1002,3	310	1	0	25	33,2	25,8	22,5	27,3	54	1002,6	230	10	0	25	22
23						1002,7			0	20	33,0	27,5	25,4	32,3	51	1003,5	160	10	0	20	23
24	26,3	24,7	24,1	29,9	85	1005,5	–	0	0	20	33,8	27,8	25,4	32,5	62	1005,8	200	4	0	20	24
25	27,5	26,8	26,5	34,6	94	1003,5	270	6	5	25	35,3	27,5	24,3	30,5	60	1003,8	310	8	0	25	25
26	29,7	26,6	25,3	32,3	77	1001,3	–	0	0	20	33,0	29,5	28,3	38,5	77	1001,7	170	8	1	18	26
27	26,8	23,6	24,9	26,6	75	999,4	290	6	0	4	32,2	26,1	23,5	29,0	60	999,8	230	7	0	4	27
28	27,3	25,1	24,2	30,2	83	1003,3	–	0	0	4	33,0	29,5	28,3	38,4	76	1004,2	150	9	0	6	28
29	26,8	25,5	25,0	31,8	90	1004,2	270	1	0	12	31,8	29,0	28,0	37,8	81	1005,8	180	12	0	10	29
30	25,6	25,3	25,2	32,1	99	1006,0	270	5	0	15	33,4	28,2	26,2	34,2	65	1006,3	200	1	0	15	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8.

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: September Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830–1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
32,7	30,5	29,6	41,6	84	998,4	–	0				36,0	29,2	27,1	67,2	150	12	0	–	1
					998,4	–	0				36,7	30,0	28,0	69,0	300	18	0	–	2
33,3	27,1	24,6	30,9	60	998,5						37,5	29,8	27,5	70,2	300	18	0	–	3
33,0	29,4	28,1	38,1	76	999,8	280	2				35,3	28,7		68,0	110	17	0	–	4
					1000,7						35,3	27,3	24,0	69,2			0	–	5
31,5	28,3	27,1	35,9	78	1001,1	–	0				34,8	27,1	22,5	69,5	160	10	0	–	6
30,8	27,9	26,8	35,2	79	1001,1	–	0				34,3	27,0	22,4	67,5	160	16	0	–	7
					1000,7	–	0				34,5	27,5	23,5	66,8	220	4	0	–	8
31,7					1000,4	290	8				35,0	28,2	24,3	67,2	300	14	0	–	9
32,2					999,1	–	0				35,2	27,0	24,5	68,2			0	–	10
32,4					998,7	–	0				35,3	27,1	24,1	69,8			0	–	11
32,5					1000,5	–	0				35,2	26,8		69,0			0	–	12
33,2	28,5	26,8	35,2	69	1000,4						35,5	26,0	21,6	68,9	250	7	0	–	13
31,8	29,4	28,6	39,1	83	998,6						39,2	28,5	24,6	72,4			0	–	14
31,8	28,7	27,6	36,9	78	999,0	290	1				35,3	28,5	26,4	72,5	300	13	0	–	15
					999,3	290	5					24,6			310	10	0	–	16
32,0	27,5	25,7	33,1	69	1001,7						34,9	26,5		68,4			0	–	17
					1000,8							26,2	22,7				0	–	18
31,5					1002,4						35,5			68,5			0	–	19
33,0					1003,0	280	17				38,0			71,5	290	29	0	–	20
30,5	23,3	19,6	22,8	52	1002,1	290	11	0	25		34,8	28,0	24,5	68,3	300	24	0	Fair	21
32,0	25,0	21,9	26,1	55	1000,6	290	10	0	20		35,5	24,8	21,3	68,0			0	Clear	22
30,8	26,5	24,7	31,2	70	1003,0	220	1	0	20		33,3	26,3	21,0	66,0			0	"	23
31,5	27,5	25,9	33,5	72	1004,3	270	8	1	20	31,2	35,0	25,5	20,0	67,0			0	"	24
31,0	26,8	25,1	31,8	69	1002,7	290	15	0	20	31,5	37,0	26,0	23,0	69,0	270	23	0	Fair	25
31,0	27,5	26,2	31,1	70	999,8	290	9	0	18	31,8	37,8	28,3	23,5	66,3	320	18	0	"	26
30,0	25,0	22,7	27,7	65	1000,3	290	7	0	4		34,5	26,1	22,0	67,8			0	Haze	27
30,5	28,3	27,5	36,7	84	1003,8	290	5	0	6	30,7	33,0	26,2	22,0	66,3	300	12	0	"	28
30,4	27,5	26,4	34,5	79	1005,4	300	1	0	10	32,0	33,3	25,5	20,8	66,0			0	Clear	29
30,3	25,5	23,4	28,8	67	1004,7	290	7	0	20			24,5	20,5	67,0	270	11	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

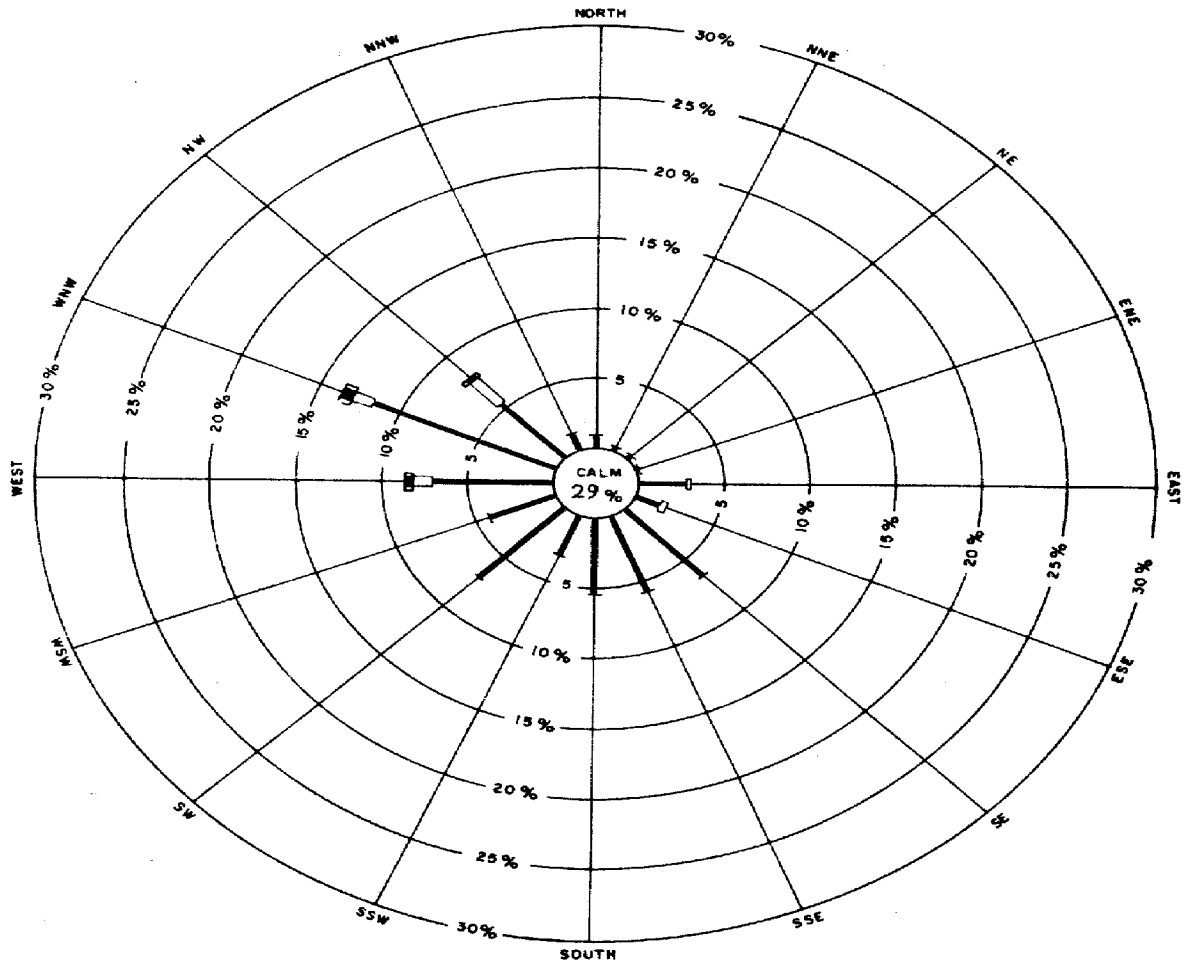
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

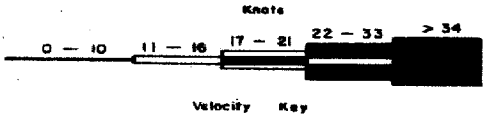
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: September	Year: 1961
		Station: Sheikh Shu'aib	
Ground Level: 2 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E

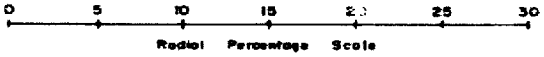
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: September	Year: 1961
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 720

Hours recorded 518



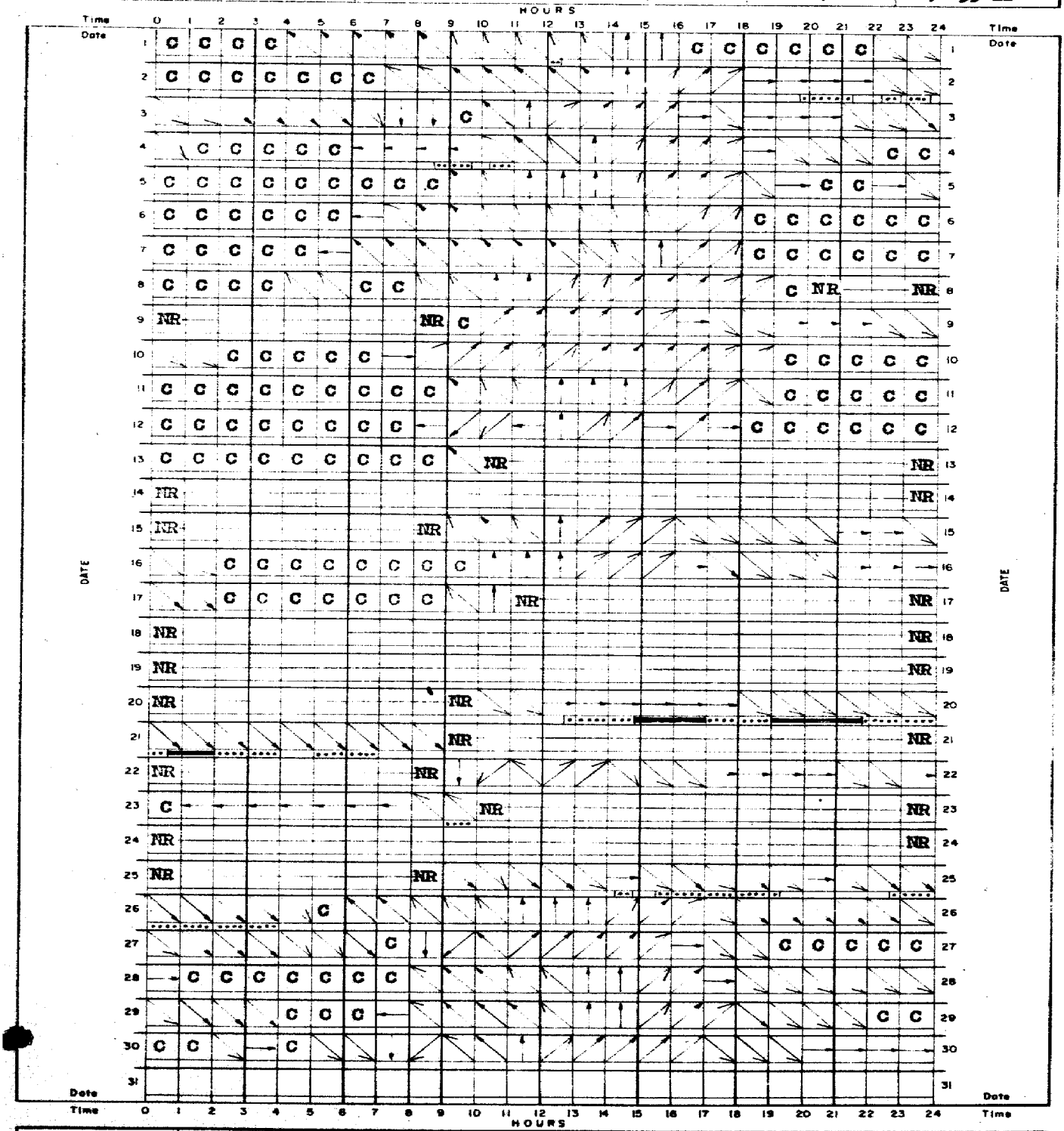


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

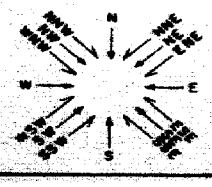
Remarks:

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: September	Year: 1961
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m A.M.S.L.	Local Time G.M.T. + 3½ hrs	Lat 26°48' N.	Long: 53°22' E



Velocity Key	
C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks: Instrument overhauled and checked 23rd-25th.

71.

Met. Form 6

mats/aws
1,459,963

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WEATHER BUREAU

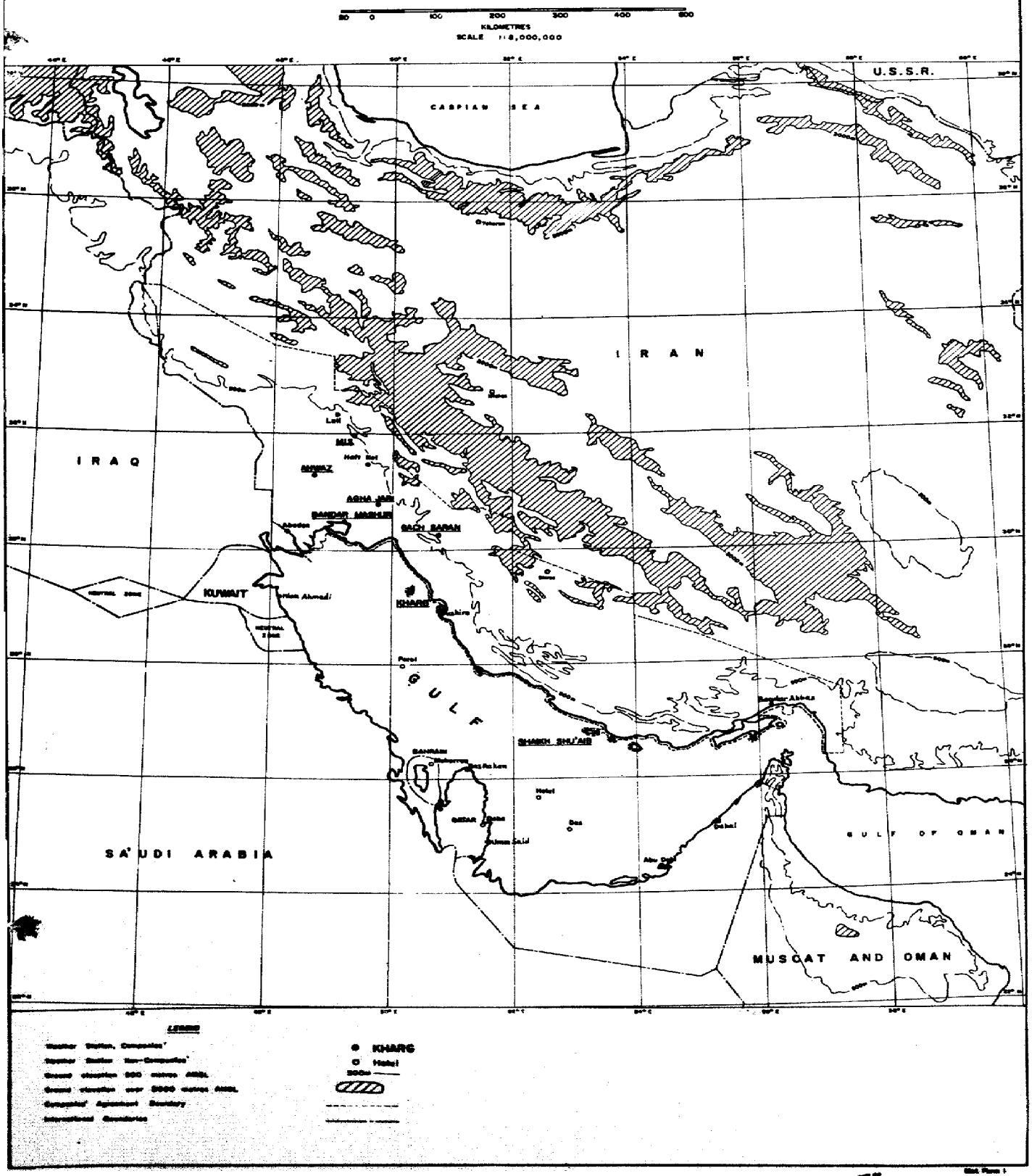
METEOROLOGICAL OBSERVATIONS

FOR

OCTOBER 1961

72. 62-C-240
~~62-C-86~~

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



CONTENT

The following stations are included:

	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport)	40 812	32°00' N	49°15' E	362 m	4
Agha Jari (Ummidieh airport)	40 833	30°36' N	49°50' E	29 m	9
Gach Saran (Du Gombadan airport)	40 835	30°21' N	50°48' E	709 m	14
Kut Abdullah (Airport)	-	31°13' N	48°40' E	15 m	17
Bandar Mashur (Airport)	40 832	30°33' N	49°09' E	8 m	20
Kharg Island (Airport)	40 845	29°15' N	50°20' E	3 m	25
Sheikh Shu'aib (Decca Navigator Station)	40 882	26°48' N	53°22' E	2 m	30

REMARKS

See "REMARKS" in the August and September, 1961, bulletins.

Kut Abdullah station started operating on 16th October, 1961.

CONVERSION FACTORS

Temperature.

$$^{\circ}F = \frac{9}{5} \cdot {}^{\circ}C + 32$$

Pressure.

1 mb = 0.0295 inches Hg = 0.750 mm Hg

1 inch Hg = 33.86 mb = 25.40 mm Hg

Normal atmospheric pressure at sealevel = 1013.2 mb = 29.92 inches Hg = 760.0 mm Hg = 14.7 lb/sqft.

Length.

1 mm = 0.039 inches
1 m = 3.28 ft
1 km = 0.621 statute miles

1 inch = 25.40 mm
1 foot = 0.305 m
1 statute mile = 1609 m

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: October Year: 1961

Local Time: G.M.T. + 3½ hrs

Station	Maximum Temperature Monthly Highest °C	Date	Maximum Temperature Monthly Average °C	Minimum Temperature Monthly Average °C	Date	Minimum Temperature Monthly Lowest °C	Date	Ground Min. Temperature Monthly Average °C	Ground Min. Temperature Monthly Lowest °C	Date	Sea Temp. Monthly Average °C	Sun Maximum Temperature Monthly Average °C	Sun Maximum Temperature Monthly Highest °C	Date	Humidity Vapour Pressure at 0930 mb	Humidity Dew Point Depression at 0930 °C	Humidity Rel. Hum. Daily avr. %	Humidity Rel. Hum. 1530 (avr.) %	Humidity Rel. Hum. 0630 (avr.) %	Rainfall Monthly Total mm	Rainfall Maximum in 24 hrs mm	Date	Station Pressure (QFE) at 0930 Monthly Average mb	Station Pressure (QFE) at 0930 Monthly Highest mb	Date	Station Pressure (QFE) at 0930 Monthly Lowest mb	Date	Maximum Wind Velocity Velocity kts.	Maximum Wind Velocity Direction degr.	Date
Masjid-i-Sulaiman	34.2	12	38.0	18.1	26	14.5	26	11.8	7.8	26		62.3	67.3	1	6.7	26.6	20	12	28	0	0	-	972.0	976.9	24	965.3	23	19	280	19
Agha Jari	36.5	12	39.5	13.6	25	9.3	25					72.6	77.0	10	9.1	21.9	24	12	40	0	0	-	1011.2	1016.1	24	1004.3	2	24	310	18
Gach Saran	32.4	12	36.4	12.8	26	7.2	26	11.7	7.0	26		65.2	69.6	12	7.1	24.2	27	13	43	0	0	-	932.7	936.9	31	926.8	2			
Bandar Mashur	35.8	13	39.5	14.2	25	9.0	25	11.8	6.9	25		66.5	70.0	12	13.6	15.5	38	16	55	0	0	-	1012.5	1017.6	24	1005.8	23	26	340	24
Kharg Island	31.4	13	34.0	21.0	5	18.0	5	16.6	11.1	6		64.2	68.9	12	25.9	6.3	70	54	86	0	0	-	1012.7	1017.7	24	1005.7	2	28	320	25
Sheikh Shu'aib	33.0	12	38.0	23.1	23	20.4	23	18.2	14.5	19	30.3	65.6	71.0	12	23.5	11.0	63	52	78	0	0	-	1012.8	1018.2	31	1005.9	1	29	170	31

Station	Daily Average Cloudiness	≤ 2/8 at 0930	≥ 7/8 at 0930	24 Hour Rainfall ≥ 1 inch	≥ 10 mm	5.0–9.9 mm	1.0–4.9 mm	0.1–0.9 mm	≥ 0.1 mm	Thunderstorms	Dust (Vis. ≤ 1 km)	Fog. (Vis. ≤ 1 km)	Horizontal Visibility ≥ 30 km	15–30 km	5–15 km	2–5 km	1–2 km	500–1000 m	200–500 m	≤ 200 m	Minimum Temperature ≥ 35.0 °C	30.0–34.9 °C	20.0–29.9 °C	10.0–19.9 °C	0.0–9.9 °C	< 0.0 °C	Maximum Temperature ≥ 45.0 °C	40.0–44.9 °C	30.0–39.9 °C	20.0–29.9 °C	10.0–19.9 °C	< 10.0 °C
Masjid-i-Sulaiman	0.9	27	2	0	0	0	0	0	0	0	0	0	0	25	6	0	0	0	0	0	0	0	4	27	0	0	0	0	31	0	0	0
Agha Jari	0.4	29	0	0	0	0	0	0	0	0	0	0	0	22	9	0	0	0	0	0	0	0	0	30	1	0	0	0	31	0	0	0
Gach Saran	0.5	29	0	0	0	0	0	0	0	0	0	0	0	26	4	1	0	0	0	0	0	0	0	30	1	0	0	0	24	0	7	0
Bandar Mashur	0.6	29	2	0	0	0	0	0	0	0	0	4	0	10	16	1	0	0	0	4	0	0	0	30	1	0	0	0	31	0	0	0
Kharg Island	0.4	29	1	0	0	0	0	0	0	0	0	0	1	26	4	0	0	0	0	0	0	0	26	5	0	0	0	0	26	0	5	0
Sheikh Shu'aib	0.3	31	0	0	0	0	0	0	0	0	0	0	18	13	0	0	0	0	0	0	0	0	31	0	0	0	0	0	31	0	0	0

NUMBER OF DAYS WITH

Mat. Form 2

4

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: October Year: 1961
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-i-Sulaiman
		Lat: 32°00' N Long: 49°15' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	21.4	11.5	-0.9	5.7	22	964.8	-	0	0	8	36.2	17.5	-2.3	5.1	8	965.0	270	12	0	10	1
2	20.6	11.0	-1.4	5.5	23	963.9	-	0	0	12	36.2	17.3	-3.4	4.6	8	964.6	-	0	0	16	2
3	21.5	11.0	-3.2	4.8	18	963.4	-	0	0	10	35.4	16.3	-7.4	3.3	6	964.8	180	5	0	10	3
4	18.4	8.4	-7.7	3.1	15	965.7	-	0	0	20	35.4	17.8	0.6	6.4	11	966.5	290	7	0	18	4
5	20.1	9.5	-7.1	3.4	14	967.1	-	0	0	10	34.0	15.7	-7.7	3.2	6	967.7	270	6	0	10	5
6	20.4	10.2	-4.2	4.3	18	968.0	-	0	0	15	34.2	17.1	-0.6	5.9	11	968.4	180	8	0	18	6
7	20.0	11.4	1.1	6.6	33	968.0	-	0	0	15	34.6	15.8	-3.1	4.8	9	969.0	180	6	0	20	7
8	19.4	11.4	2.1	7.1	32	969.7	-	0	0	13	33.8	18.0	3.8	8.0	15	970.2	-	0	0	18	8
9	19.6	12.4	4.8	8.7	38	968.6	-	0	0	18	34.4	18.8	5.8	9.2	17	969.2	310	4	0	18	9
10	19.6	11.8	3.0	7.6	33	969.8	-	0	0	18	34.2	19.2	6.7	9.8	18	970.6	270	2	0	20	10
11	19.2	11.0	1.1	6.6	29	970.1	-	0	0	20	34.6	17.8	1.7	6.9	13	970.2	180	8	0	20	11
12	20.4	11.4	0.4	6.3	26	970.1	270	4	0	16	35.6	17.8	0.1	6.2	11	971.0	330	4	0	15	12
13	20.0	11.0	0.0	6.1	26	971.5	-	0	0	20	36.0	18.0	0.6	6.3	11	971.8	-	0	0	20	13
14	20.2	11.4	0.8	6.5	28	971.1	-	0	0	20	35.6	18.2	1.1	6.6	11	971.5	200	6	0	20	14
15	20.2	11.2	0.0	6.1	26	970.6	-	0	0	15	34.4	16.6	-3.3	4.7	9	970.9	300	3	0	16	15
16	22.4	12.6	1.4	6.8	25	970.9	-	0	0	20	35.0	18.6	4.4	8.4	15	971.2	250	6	0	20	16
17	19.4	10.8	0.0	6.1	27	971.1	-	0	0	20	34.2	17.8	2.3	7.3	14	971.3	-	0	0	20	17
18	19.0	11.4	2.8	7.4	34	972.4	-	0	1	20	33.0	17.0	1.1	6.6	13	973.4	180	6	7	30	18
19	19.6	11.4	1.8	7.0	31	973.4	320	4	0	20	33.6	16.2	-3.8	4.5	9	974.0	300	8	0	20	19
20	19.0	10.0	-2.2	5.1	23	972.1	-	0	0	20	33.6	17.9	3.4	7.8	15	971.9	250	3	0	20	20
21	19.2	11.4	2.2	7.2	32	969.9	-	0	0	20	30.6	16.8	4.4	8.4	19	970.8	-	0	0	30	21
22	19.8	12.8	5.8	9.2	40	972.9	330	3	0	18	31.4	19.0	9.7	12.1	26	973.7	200	5	1	18	22
23	18.8	11.6	3.6	7.9	31	975.3	-	0	1	20	30.2	16.6	3.9	8.0	19	975.5	300	8	1	30	23
24	17.8	11.0	3.2	7.7	38	975.3	-	0	0	20	30.8	17.2	5.2	8.9	20	975.8	180	12	0	20	24
25	15.2	8.0	-2.5	5.0	29	973.8	-	0	0	20	29.0	15.0	-0.5	5.9	15	973.5	290	6	0	30	25
26	15.2	8.4	-1.0	5.7	33	972.0	-	0	0	20	29.6	15.2	-0.9	5.8	14	973.0	270	4	0	20	26
27	17.0	8.8	-2.8	4.8	25	973.5	-	0	0	18	30.8	15.8	-0.3	6.0	14	974.4	340	5	0	20	27
28	17.4	9.8	0.2	6.2	31	973.7	-	0	1	15	32.2	17.2	3.2	7.7	15	973.2	-	0	6	20	28
29	18.2	10.0	-1.1	5.8	28	973.2	-	0	6	20	31.0	15.8	-0.7	5.8	13	973.3	230	2	7	20	29
30	17.4	9.7	-0.3	6.0	30	972.5	-	0	7	20	28.7	14.9	-0.4	6.0	15	972.4	330	4	6	20	30
31	16.2	10.0	2.4	7.3	40	974.8	-	0	2	15	29.2	16.0	3.2	7.7	19	975.9	180	10	1	15	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 32°00' N Long: 49°15' E.

Observations at 1830											Extreme Temperature				Max. Wind				
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Sea Temperature at 0930	Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity	24 hour Rainfall (1830-1830)	Remarks	Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
31.8	15.8	-2.1	5.2	11	963.8	-	0	0	15		38.0	21.2		67.3	300	11	0	Haze.	1
30.6	15.8	0.0	6.1	14	963.7	260	3	0	12		38.0	20.0	14.4	66.0	250	14	0	Clear.	2
29.8	16.0	2.2	7.2	17	965.0	-	0	0	18		36.6	19.5		65.3	200	14	0	Haze.	3
29.8	15.0	-2.2	5.2	12	966.4	-	0	0	20		36.0	17.3	14.2	65.2	250	13	0	Clear.	4
29.6	14.2	-5.6	3.9	9	967.6	-	0	0	20		35.3	18.9	12.6	63.8	280	14	0	Haze.	5
30.4	16.4	2.8	7.5	17	967.0	-	0	0	20		35.5	19.3	12.6	63.0	250	14	0	Clear.	6
31.2	16.2	0.7	6.5	14	967.4	-	0	0	20		35.6	20.0	12.7	63.8	180	14	0	"	7
29.4	16.6	5.0	8.8	22	968.4	-	0	0	20		34.8	19.2	14.8	63.0	270	14	0	"	8
30.4	17.2	5.6	9.1	21	968.2	-	0	0	20		35.8	19.2	12.4	64.0	270	17	0	"	9
29.6	17.4	7.2	10.2	25	969.6	-	0	0	20		36.0	19.4	12.2	64.0	260	16	0	"	10
29.8	16.8	5.0	8.8	21	969.1	270	6	0	20		36.0	18.8	11.6	64.3	280	14	0	"	11
30.2	16.0	1.7	6.9	16	970.7	280	6	0	20		37.4	19.2	11.8	65.0	270	9	0	"	12
31.0	16.0	0.3	6.3	14	971.0	-	0	0	20		37.2	19.0	12.2	64.7	260	14	0	"	13
30.2	15.6	0.0	6.1	14	970.3	-	0	0	20		36.6	19.5	12.2	64.6	260	15	0	"	14
30.6	15.2	-2.5	5.0	11	970.4	290	10	0	20		35.7	18.5	12.3	63.5	270	16	0	"	15
30.6	15.0	-3.5	4.6	10	970.1	280	6	0	20		35.2	20.0	13.4	62.0	280	16	0	"	16
28.6	14.4	-2.2	5.1	13	971.1	-	0	0	30		34.6	18.6	12.6	63.0	270	15	0	"	17
28.4	14.8	-0.1	6.0	15	972.7	320	2	3	20		34.3	18.8	12.5	65.8	360	18	0	P.Cloudy	18
29.0	16.0	3.3	7.8	19	972.7	-	0	0	30		35.0	18.8	12.2	62.5	280	19	0	Clear.	19
27.8	16.4	6.4	9.6	26	970.4	190	3	0	20		34.2	18.0	11.8	61.6	280	17	0	"	20
27.0	16.6	8.1	10.7	30	969.6	-	0	0	25		32.0	18.8	12.6	59.2	270	8	0	"	21
26.4	14.6	2.2	7.2	21	973.5	280	6	2	20		32.5	18.1	13.2	59.0			0	Fair.	22
27.4	15.8	4.8	8.7	24	974.1	290	6	3	30		31.7	17.8	13.0	58.2	280	14	0	"	23
25.0	14.6	4.2	8.3	26	974.4	-	0	0	30		32.5	17.5	11.3	59.6	260	14	0	Clear.	24
24.5	12.4	-3.2	4.7	15	972.1	270	3	0	25		31.0	14.8	7.9	58.6	230	12	0	"	25
24.4	14.0	3.2	7.7	25	972.8	-	0	3	20		31.0	14.5	7.8	59.0	270	11	0	Fair.	26
26.0	13.8	-0.1	6.1	18	973.4	300	5	1	20		33.0	14.8	9.6	59.3	270	11	0	Clear.	27
25.6	14.0	1.4	6.8	21	972.6	-	0	6	20		33.2	15.2	9.8	60.0	080	17	0	P.Cloudy.	28
25.5	14.0	1.5	6.8	21	972.6	-	0	2	25		32.3	17.2	10.6	60.0	250	11	0	Cloudy.	29
24.6	14.6	4.8	8.6	28	972.4	280	2	8	20		30.5	16.1	9.7	61.2	280	14	0	"	30
24.4	14.9	5.9	9.4	31	975.4	220	3	3	18		30.4	14.6	9.8	55.0	280	13	0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

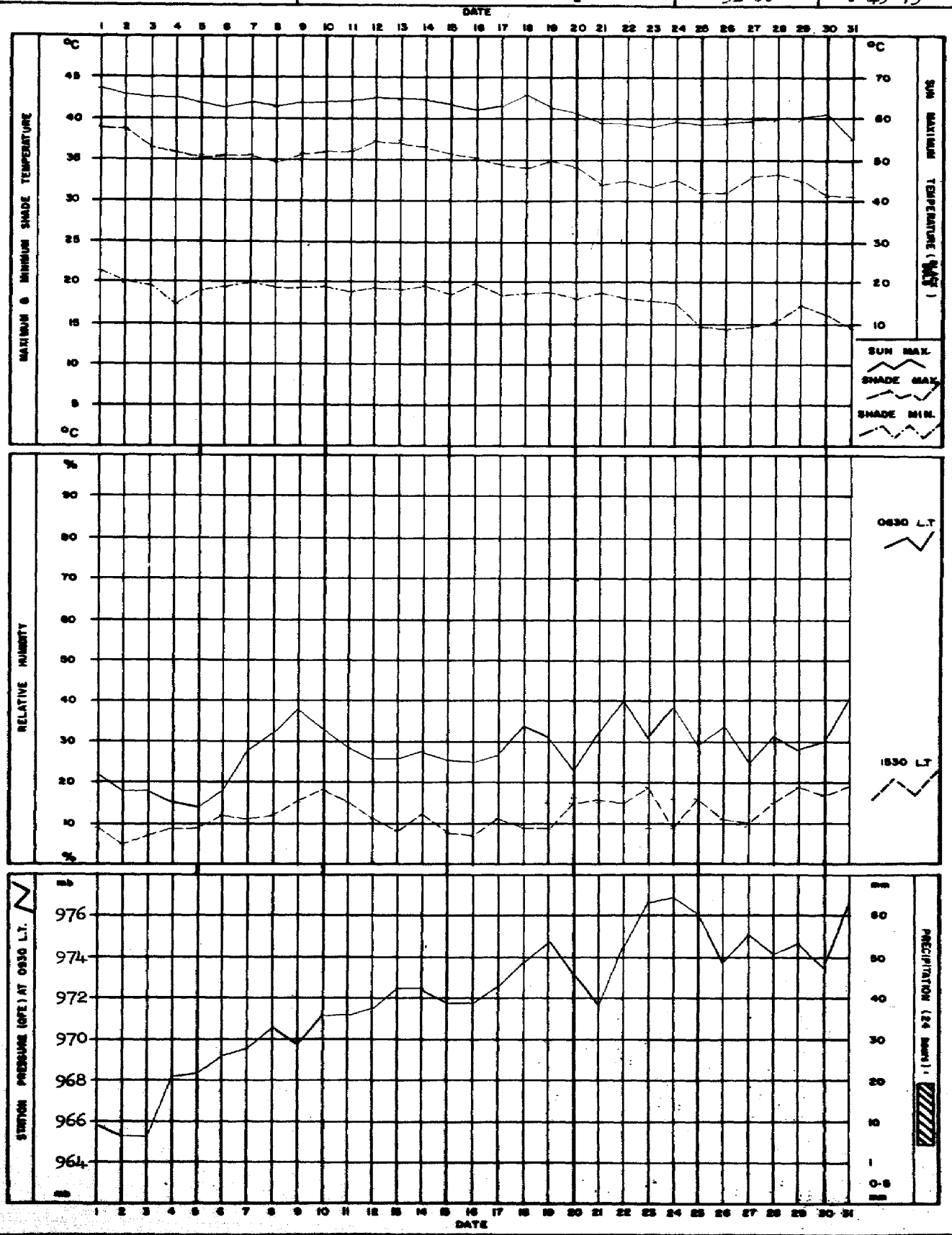
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

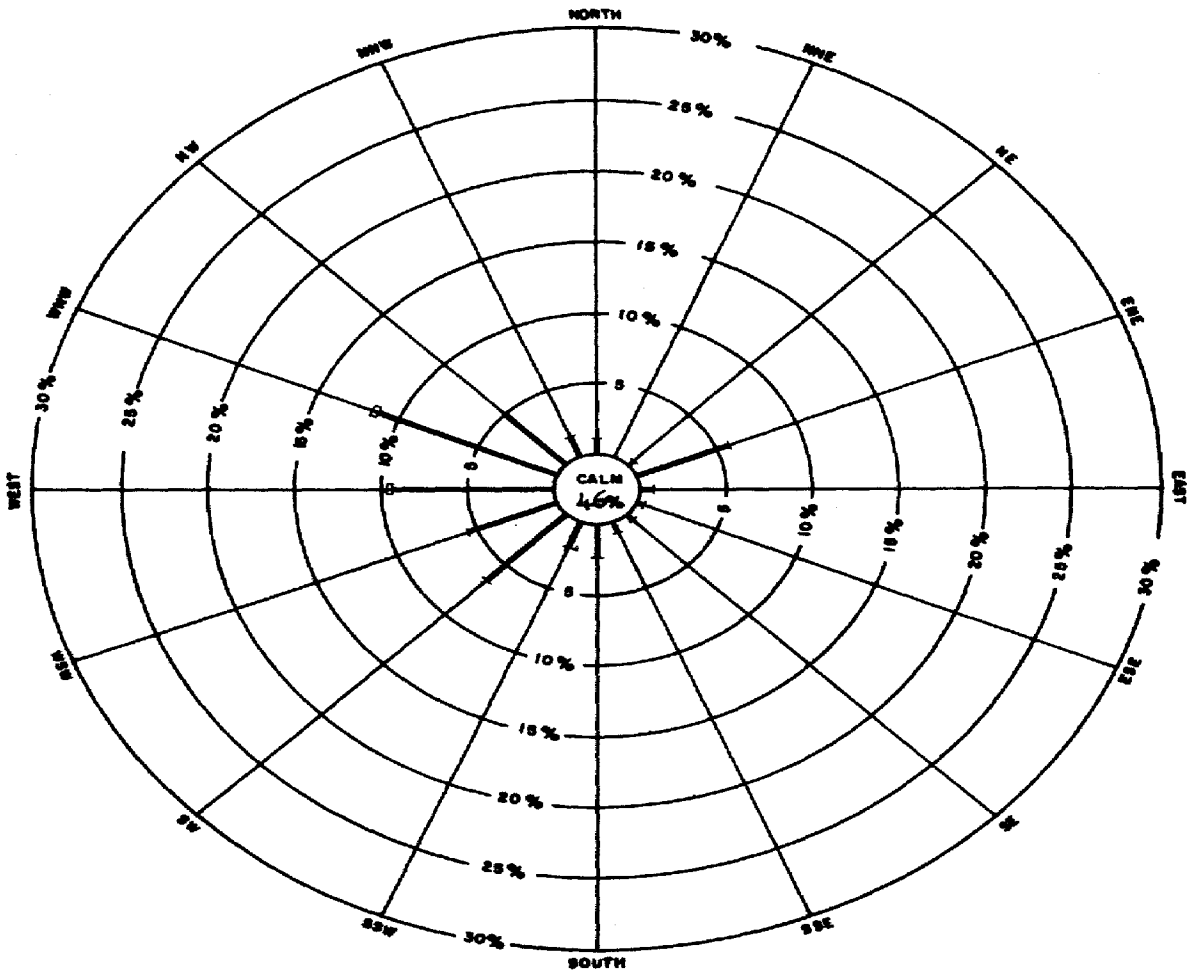
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



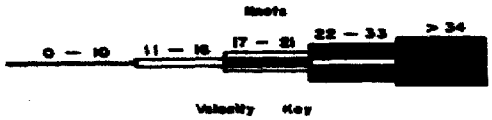
Met. Form 4

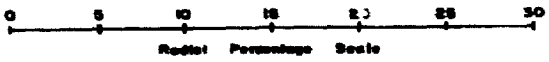
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Hours in month 744

Hours recorded 744





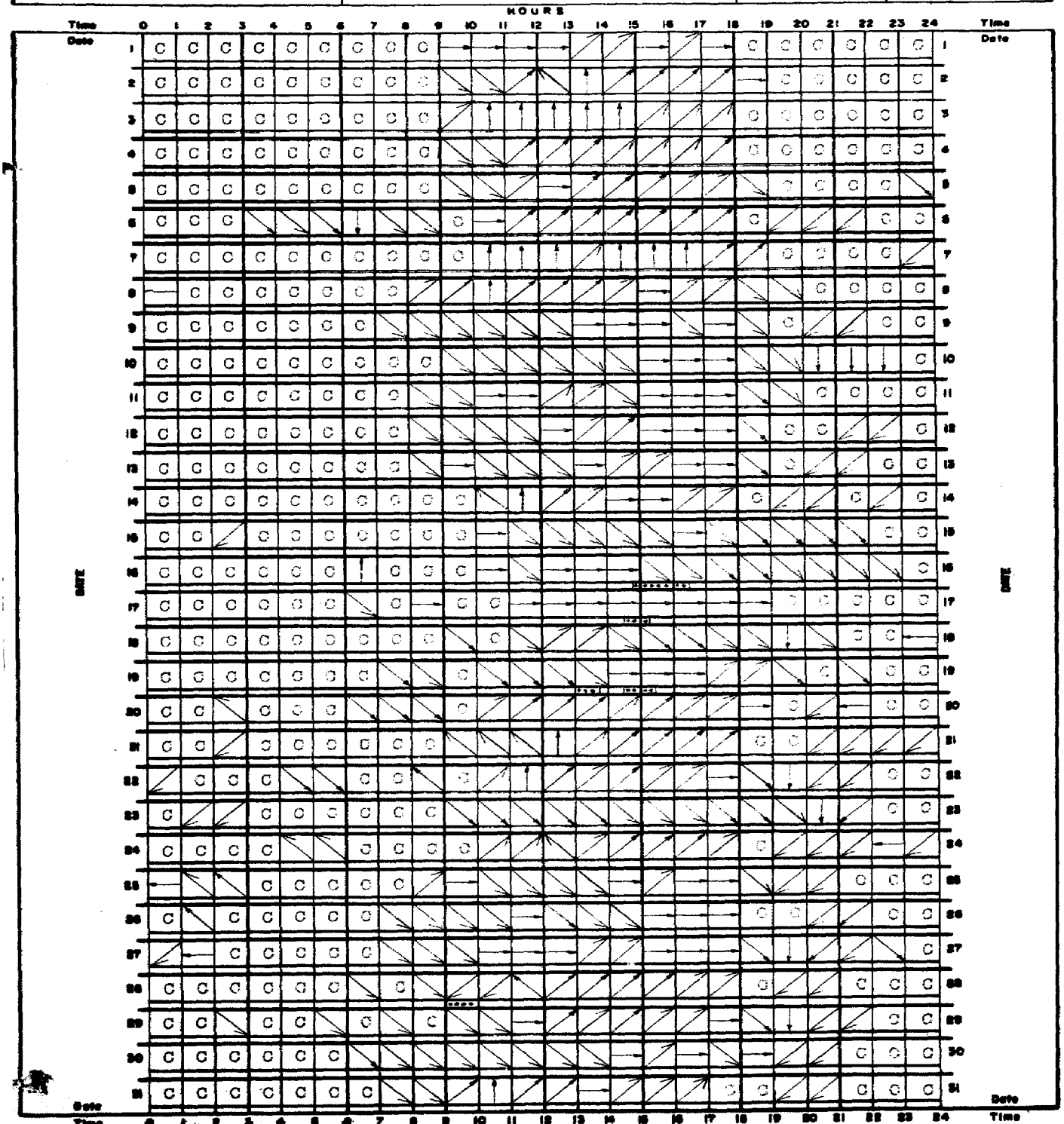
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 8

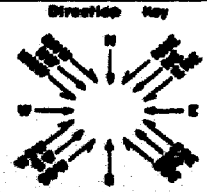
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 25
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°36' N Long: 49°50' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	14.2	7.6	-2.0	5.2	32	1004.3	–	0	0	12	32.8	17.8	4.3	8.4	17	1004.4	–	0	0	14	1
2	14.1	7.8	-1.2	5.6	35	1003.2	–	0	0	12	33.5	17.4	1.9	7.0	14	1003.7	–	0	0	14	2
3	14.4	7.4	-3.2	4.7	29	1002.7	–	0	0	12	33.5	17.0	0.2	6.2	12	1004.0	180	4	0	14	3
4	13.5	7.6	-0.8	5.7	32	1004.6	150	2	0	14	33.6	16.5	-2.2	5.1	10	1005.6	–	0	0	15	4
5						1006.4	–	0								1007.0	200	1			5
6						1007.7	–	0								1007.2	–	0			6
7						1007.2	–	0			36.5	20.0	7.2	10.2	17	1007.8	170	4	0	20	7
8	16.0	11.0	5.7	9.2	50	1008.4	–	0	0	20	35.8	18.4	2.3	7.2	12	1009.0	260	4	0	20	8
9	15.0	7.5	-4.1	4.4	26	1007.2	320	6	0	20	36.4	18.4	1.4	6.8	11	1007.8	340	4	0	20	9
10	16.5	9.4	0.0	6.1	32	1008.9	–	0	0	15	37.6	19.0	2.1	7.1	11	1009.0	220	4	0	20	10
11	15.8	8.5	-1.7	5.3	30	1008.9	150	2	0	20	35.5	17.6	-0.6	5.8	10	1008.7	290	2	0	25	11
12	16.5	9.5	0.3	6.3	33	1008.8	–	0	0	20	37.5	18.6	0.3	6.3	10	1009.2	–	0	0	20	12
13	18.6	10.0	-1.6	5.4	25	1009.9	150	2	0	20	37.4	18.6	0.6	6.4	10	1010.4	230	4	0	25	13
14	16.5	9.2	-0.6	5.7	30	1010.1	–	0	0	20	35.2	20.0	8.6	11.2	20	1010.5	240	8	0	20	14
15	16.5	10.5	3.6	7.9	42	1009.6	–	0	0	15	35.0	18.5	3.9	8.1	15	1009.4	140	4	0	15	15
16	15.8	10.3	3.9	8.1	45	1009.4	–	0	0	15	33.5	18.5	5.8	9.3	18	1010.2	–	0	0	20	16
17	15.2	8.7	0.0	6.1	35	1009.7	–	0	0	20	34.7	17.7	1.2	6.7	12	1010.2	270	4	0	20	17
18	16.2	9.0	-0.7	5.8	31	1011.3	–	0	0	20	35.3	18.4	3.2	7.7	13	1012.0	340	6	3	20	18
19						1012.8	180	4								1012.7	210	3			19
20						1012.1	150	5								1011.5	200	10			20
21						1009.8	140	9								1009.9	190	11			21
22	15.2	11.6	8.1	10.8	62	1011.8	140	2	0	15	32.4	20.0	11.4	13.5	28	1002.9	–	0	0	20	22
23	17.0	13.0	9.3	11.9	61	1014.6	–	0	1	15	30.0	20.2	13.9	15.9	38	1015.1	320	6	0	20	23
24	15.6	11.0	5.1	9.5	54	1015.1	130	4	0	15	31.4	18.0	6.8	9.9	22	1015.3	280	6	0	15	24
25	10.4	5.4	-2.4	5.0	40	1014.3	130	2	0	10	29.9	15.8	1.2	6.7	16	1013.2	180	4	0	10	25
26						1012.0	130	4								1012.4	–	0			26
27						1013.2	–	0								1013.9	300	4			27
28						1013.4	–	0			32.8	17.5	3.3	7.8	16	1012.9	270	6	5	15	28
29	14.7	8.8	1.1	6.7	40	1012.8	180	8	3	15	31.5	17.3	4.4	8.4	18	1013.1	–	0	1	15	29
30	14.2	10.3	6.1	9.4	58	1012.5	180	4	2	12	29.6	18.6	10.4	12.6	30	1012.3	–	0	6	15	30
31	15.1	10.9	6.5	9.7	57	1014.3	–	0	1	16	31.9	19.4	10.3	12.6	27	1015.3	240	6	1	16	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

Partly Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis < 1 km

(Continued)

Met. Form 5a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°56' N Long: 49°50' E.

Observations at 1830											Extreme Temperature				Max. Wind				
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Sea Temperature at 0930	Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity	24 hour Rainfall (1830-1830)	Remarks	Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
34.2	17.1	-0.6	5.9	11	1002.2	310	6	0	12		37.2	13.6		73.8	310	12	0	Clear.	1
32.0	16.0	-1.6	5.4	11	1002.0	300	6	0	12		38.2	13.2		74.8	290	10	0	"	2
30.2	15.5	-0.6	5.9	14	1003.4	180	6	0	14		36.6	13.0		72.4	220	12	0	"	3
					1005.0	-	0				37.4	12.4		73.4	180	10	0	"	4
					1006.0	160	4				36.4	13.0		74.5	210	12	0		5
					1006.0	-	0				36.8	14.0		74.2	280	20	0		6
35.4	19.5	6.9	10.0	17	1006.4	210	4	0	20		38.5	10.4		73.6	250	8	0	Clear.	7
33.4	16.5	-1.7	5.3	11	1007.0	320	6	0	20		38.4	15.4		75.1	310	18	0	"	8
34.4	17.5	0.8	6.5	12	1006.5	300	12	0	20		39.4	14.5		75.1	300	21	0	"	9
34.2	17.5	1.1	6.7	12	1007.8	220	4	0	25		39.4	11.5		77.0	280	11	0	"	10
34.2	17.0	-1.0	5.7	11	1007.6	300	6	0	25		38.6	13.6		76.1	270	13	0	"	11
33.6	16.7	-1.4	5.5	11	1008.5	310	4	0	20		39.5	14.3		76.8	270	11	0	"	12
34.5	17.4	0.1	6.2	11	1009.3	290	4	0	20		39.4	15.6		74.8	270	16	0	"	13
34.5	18.5	4.6	8.5	15	1008.8	290	6	0	20		38.8	15.2		74.8	300	13	0	"	14
33.5	18.5	5.9	9.4	18	1008.6	270	4	0	15		38.4	15.2		72.8	290	16	0	"	15
33.2	17.0	0.6	6.4	13	1008.3	310	6	0	15		37.4	15.2		73.2	280	20	0	"	16
33.2	17.4	2.3	7.3	14	1009.0	290	6	0	20		37.4	14.4		74.8	300	22	0	"	17
					1011.1	310	9				38.0	14.2		75.5	310	24	0	Fair	18
					1011.8	-	0				36.5	14.0		71.5	270	14	0		19
					1010.0	-	0				37.5	14.8		68.0	250	18	0		20
32.2	18.0	5.8	9.3	19	1008.6	160	6	0	20		34.6	15.0		66.7	180	16	0	Clear.	21
32.2	21.0	14.0	16.0	33	1011.7	290	2	0	20		34.6	13.8		70.2	130	11	0	"	22
31.4	17.5	5.3	8.9	20	1013.0	290	8	0	20		34.2	16.2		68.5	290	20	0	"	23
31.2	16.5	1.8	7.1	16	1014.1	310	4	0	10		34.3	14.8		67.5	310	24	0	"	24
					1011.4	-	0				34.0	9.3			300	11	0	"	25
					1011.5	-	0				32.0	10.0			120	8	0		26
					1012.3	-	0				33.0	12.0		70.0	300	10	0		27
30.2	15.7	0.3	6.3	15	1011.6	-	0	3	15		35.5	11.7			270	10	0	Fair.	28
4.96	15.7	2.9	7.6	20	1011.3	-	0	0	15		34.0	13.7		69.0	280	10	0	"	29
28.9	17.1	7.1	10.1	26	1011.3	-	0	5	15		31.6	13.0		68.2	270	10	0	P.Cloudy.	30
28.5	16.7	6.3	9.6	25	1014.5	-	0	3	16		34.0	14.0		70.0	270	13	0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

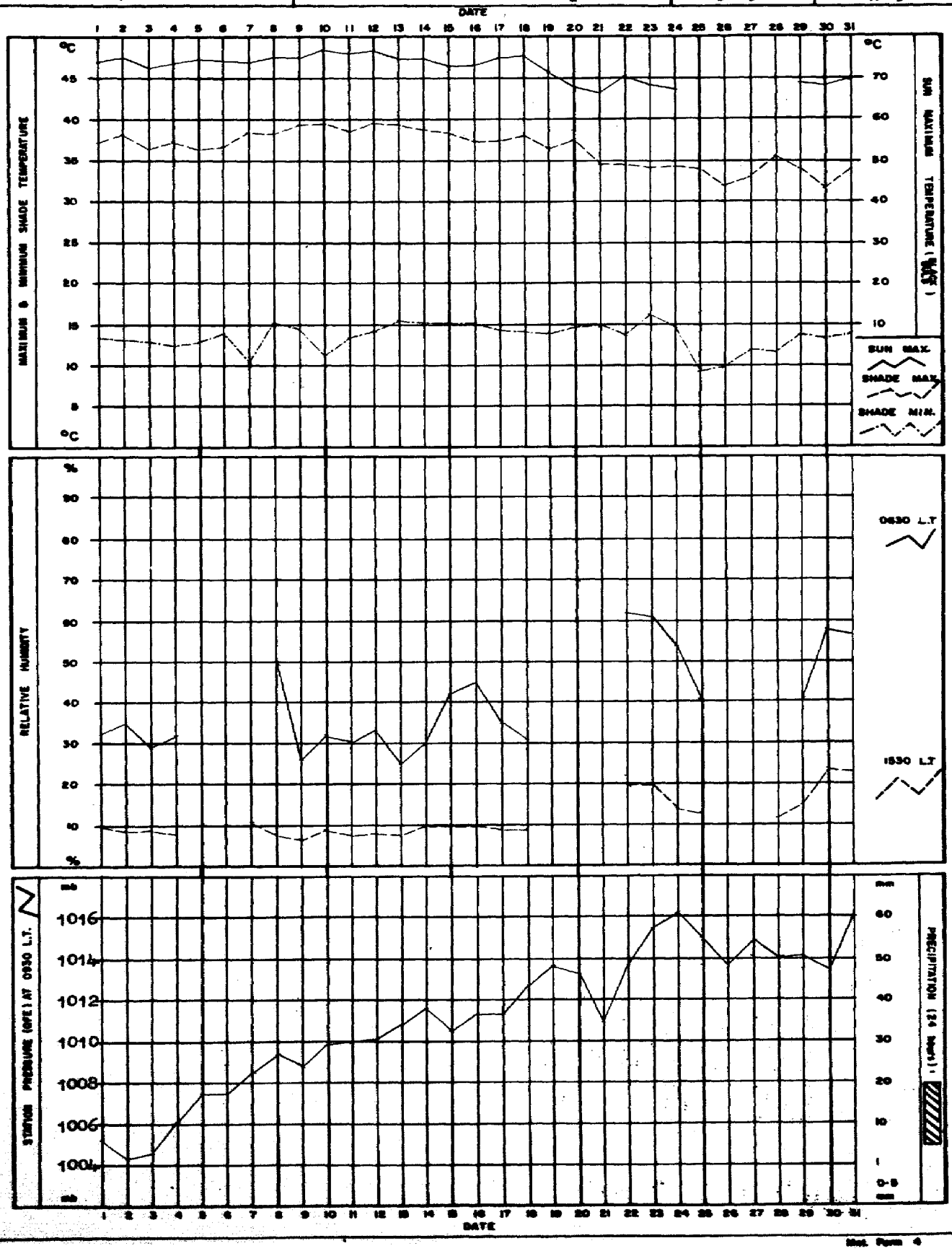
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

82.

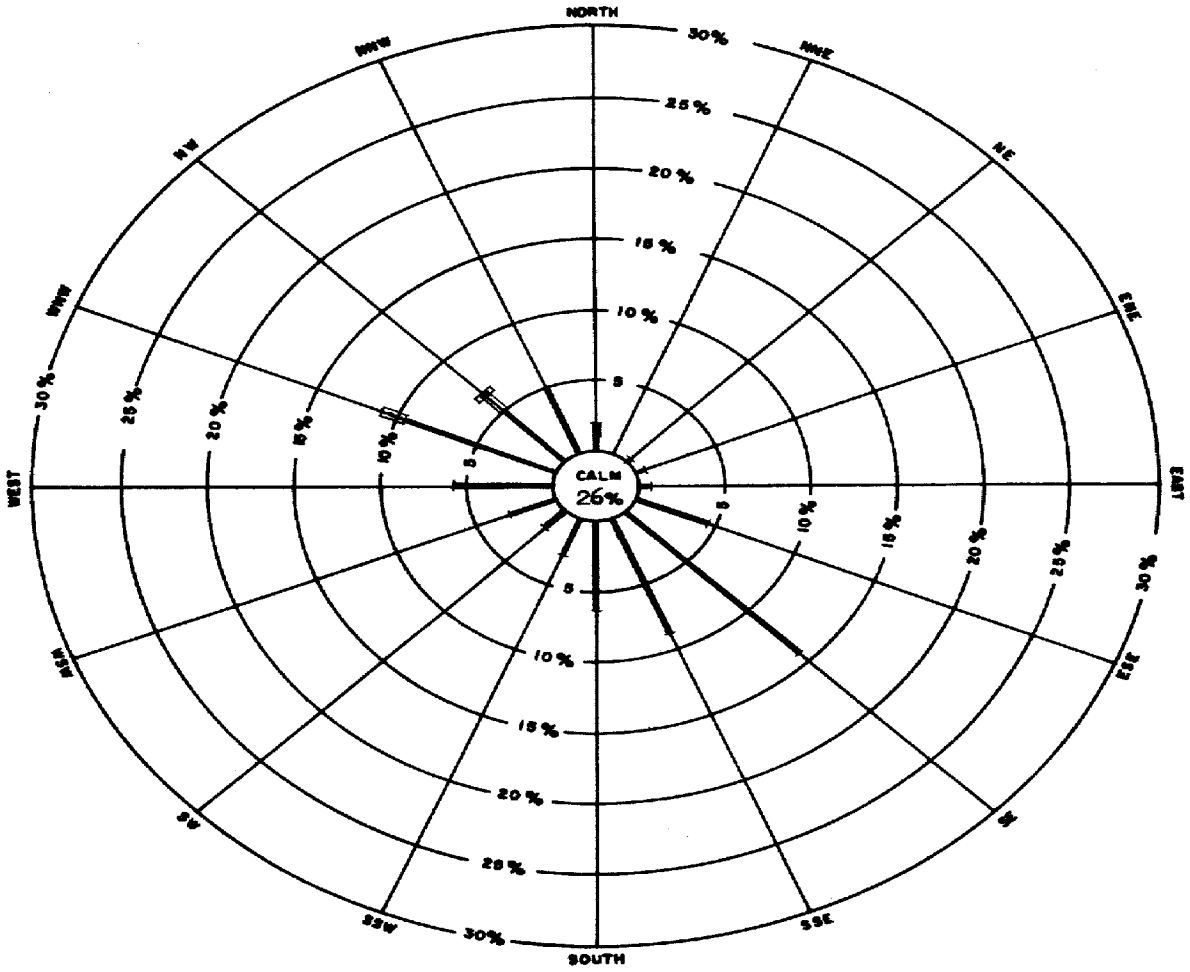
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Met. Form 4

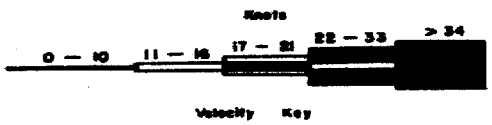
83.

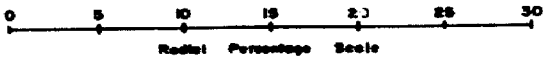
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Hours in month 744

Hours recorded 742



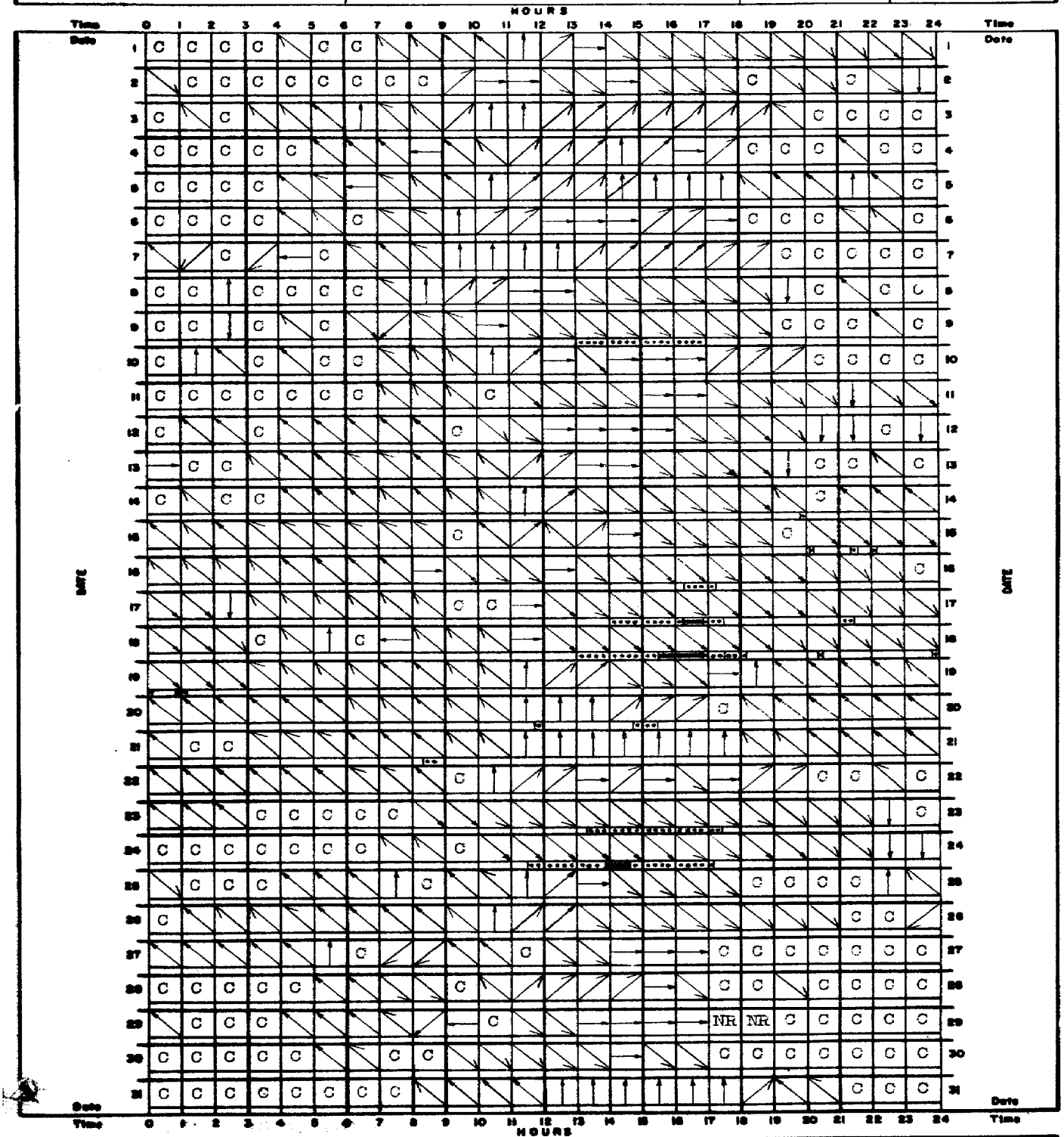


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

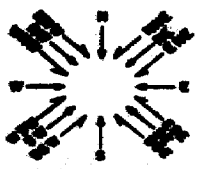
Remarks:

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Velocity Key	Colour
C	Calm
	1 – 10 knots
	11 – 16
	17 – 21
	22 – 26
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: October Year: 1961
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Gach Saran. Lat: 30°21' N Long: 50°48' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	15.6	8.3	-2.2	5.1	29	1026.5	–	0	0	16	36.2	16.8	-6.3	3.6	6	1025.9	190	7	0	25	1
2	15.6	9.2	0.9	6.5	37	1025.6	–	0	0	16	35.4	21.9	13.5	15.5	27	1025.8	250	2	0	18	2
3	15.6	8.8	-0.4	5.9	33	1025.3	–	0	0	16	34.8	19.0	6.0	9.4	17	1026.4	240	6	0	25	3
4	16.0	10.4	3.9	8.1	45	1027.3	–	0	0	20	34.2	23.4	17.6	20.2	37	1027.6	090	6	0	25	4
5	14.3	8.8	1.7	6.9	43	1028.3	–	0	0	18	34.0	19.8	9.3	11.8	22	1028.7	180	10	0	20	5
6	14.5	10.4	5.7	9.3	57	1029.2	–	0	0	18	32.7	17.8	4.6	8.5	17	1028.8	–	0	0	20	6
7	14.0	10.5	6.8	9.9	62	1029.2	–	0	0	18	33.2	20.8	12.7	14.7	29	1030.0	280	5	0	20	7
8	13.4	8.0	0.7	6.4	42	1030.6	–	0	0	20	32.8	18.2	5.8	9.2	19	1030.4	290	13	0	20	8
9	12.7	9.0	4.7	8.5	58	1029.4	–	0	0	16	32.4	14.5	-12.1	2.2	5	1029.7	290	7	0	20	9
10	14.0	8.9	2.4	7.5	46	1030.8	–	0	0	18	33.2	20.4	11.7	13.7	27	1030.8	280	12	0	20	10
11	13.2	7.4	-0.9	5.7	38	1031.0	–	0	0	20	32.5	18.8	7.9	10.7	22	1031.0	–	0	0	25	11
12	13.4	6.6	-4.3	4.3	28	1031.4	–	0	0	15	33.6	18.6	6.1	9.4	18	1031.5	300	3	0	20	12
13	15.4	10.1	4.0	8.1	46	1032.8	–	0	0	20	33.8	15.1	-11.9	2.2	4	1032.6	250	7	0	20	13
14	14.4	8.0	-1.1	5.6	34	1032.4	–	0	0	20	31.9	14.8	-7.8	3.2	7	1032.1	280	5	0	20	14
15	14.6	7.4	-3.6	4.6	29	1031.9	–	0	0	20	32.1	14.7	-9.4	2.8	6	1031.4	–	0	0	20	15
16	13.9	7.8	-1.0	5.7	36	1032.1	–	0	0	18	31.2	14.8	-5.9	3.7	8	1031.8	280	4	0	18	16
17	13.9	8.0	-0.2	6.0	38	1032.0	–	0	0	20	31.5	16.4	1.0	6.6	14	1032.0	280	5	0	16	17
18	12.0	6.1	-3.2	4.7	34	1033.0	–	0	0	18	31.1	15.4	-2.6	5.0	11	1033.5	250	6	3	25	18
19	13.3	6.6	-4.0	4.4	29	1034.3	–	0	0	16	31.8	15.5	-3.4	4.6	10	1034.4	280	5	0	20	19
20	13.6	9.6	5.1	8.8	57	1033.3	–	0	0	18	30.8	16.2	1.4	6.8	15	1032.5	240	5	0	15	20
21	14.8	11.8	8.9	11.5	68	1031.2	–	0	0	16	28.6	17.8	9.4	11.8	30	1031.0	230	9	1	18	21
22	14.0	10.4	6.6	9.8	64	1033.2	–	0	0	20	28.6	14.6	-1.5	5.4	13	1033.6	230	8	0	25	22
23	13.0	10.0	6.7	9.9	66	1034.9	–	0	0	18	28.2	14.8	0.0	6.1	16	1034.9	290	6	0	20	23
24	12.5	7.8	1.4	6.8	47	1035.3	–	0	0	20	29.4	14.4	-3.9	4.4	11	1035.1	260	14	0	20	24
25	11.5	4.8	-7.7	3.2	24	1033.9	–	0	0	12	27.5	12.2	-13.4	2.0	5	1033.4	080	5	0	18	25
26	9.1	4.2	-4.0	4.4	38	1032.8	–	0	0	14	29.0	13.8	-6.3	3.6	9	1033.1	160	11	0	25	26
27	11.0	6.0	-1.6	5.4	41	1034.1	–	0	0	18	28.2	13.6	-5.4	3.9	10	1034.1	250	6	0	20	27
28	12.6	6.2	-3.9	4.4	30	1034.4	–	0	1	16	29.3	13.2	-11.4	2.3	6	1034.0	150	9	3	25	28
29	12.0	6.0	-3.5	4.6	33	1034.1	–	0	3	16	28.2	13.8	-4.3	4.3	11	1033.3	330	4	2	20	29
30	10.9	6.7	0.8	6.5	50	1033.1	–	0	4	16	25.7	13.8	0.4	6.3	19	1032.8	–	0	7	16	30
31	11.4	8.2	4.3	8.3	62	1035.2	–	0	2	16	26.9	13.6	-2.5	4.9	14	1036.0	130	4	1	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Gach Saran.

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
29.4	16.4	4.3	8.3	20	1025.2	270	6	0	25		36.4	14.8	13.9	68.4			0	Clear.	1
29.7	17.0	5.8	9.2	22	1025.2	280	7	0	20		36.4	15.2	13.7	68.1			0	"	2
28.5	17.8	9.4	11.8	30	1026.4	280	4	0	25		35.5	15.1	13.5	63.4			0	"	3
27.4	13.5	-4.1	4.4	12	1027.8	340	5	0	25		35.1	15.5	14.0	62.5			0	"	4
25.8	17.4	11.1	13.2	40	1028.7	270	7	0	25		34.1	13.8	13.0	57.2			0	"	5
27.0	16.5	7.5	10.4	29	1028.6	270	7	0	20		33.6	14.5	13.1	63.1			0	"	6
28.0	14.6	-0.4	5.9	16	1029.0	270	9	0	20		34.2	13.8	12.5	66.7			0	"	7
28.4	18.5	11.6	13.6	35	1029.3	290	13	0	20		33.7	13.4	12.0	68.6			0	Haze.	8
28.3	15.3	1.8	7.0	18	1029.3	320	8	0	16		34.4	12.5	10.8	69.2			0	Clear.	9
27.4	14.0	-1.8	5.3	14	1030.5	280	7	0	25		34.2	13.6	12.2	68.6			0	"	10
27.0	13.2	-4.7	4.2	12	1030.3	290	5	0	25		34.2	12.4	11.1	68.3			0	"	11
28.9	17.3	7.7	10.5	26	1031.4	320	5	0	25		35.2	13.4	12.0	69.6			0	"	12
28.0	13.9	-3.4	4.6	12	1032.1	270	7	0	17		34.6	13.6	12.9	68.4			0	"	13
27.6	13.2	-5.8	3.8	10	1031.8	270	8	0	20		33.5	13.7	12.4	66.2			0	"	14
26.5	14.0	-0.3	6.0	17	1031.2	300	5	0	20		33.4	13.3	11.7	67.4			0	"	15
27.4	16.0	5.6	9.1	25	1031.1	260	8	0	20		32.8	13.4	12.3	66.8			0	"	16
27.4	12.8	-8.2	3.1	9	1031.4	260	10	0	12		32.6	13.4	12.0	66.8			0	"	17
27.1	12.6	-8.3	3.0	8	1032.8	280	9	1	25		32.6	11.3	10.1	67.1			0	Fair.	18
25.1	15.7	7.5	10.4	33	1033.9	270	6	0	20		32.6	12.7	11.7	65.8			0	Clear.	19
25.0	17.6	12.2	14.3	45	1031.3	270	6	0	25		31.4	13.5	12.3	65.0			0	"	20
24.4	14.8	5.7	9.2	30	1031.1	270	6	0	20		30.3	13.8	13.5	63.5			0	"	21
23.6	14.9	6.9	10.0	34	1033.8	280	7	0	20		29.9	13.3	12.5	63.2			0	"	22
25.7	13.7	0.0	6.1	18	1034.3	300	11	0	16		29.3	12.9	12.4	63.1			0	"	23
23.8	12.5	-1.3	5.5	19	1034.6	310	5	0	16		30.2	12.0	11.4	64.0			0	"	24
21.0	10.0	-6.7	3.5	14	1032.5	290	5	0	16		28.6	10.6	9.5	63.3			0	"	25
22.2	11.8	-1.3	5.5	21	1032.7	270	6	0	20		29.4	7.2	7.0	63.8			0	"	26
22.9	11.2	-5.2	4.0	14	1033.5	270	9	0	20		29.4	10.6	9.4	62.4			0	"	27
23.3	11.8	-3.3	4.8	16	1033.4	260	8	1	20		31.4	11.2	10.1	64.5			0	Fair.	28
23.6	11.6	-3.6	4.6	16	1032.5	260	9	0	20		30.4	10.5	9.8	63.0			0	"	29
21.5	13.0	4.1	8.2	32	1033.0	280	5	3	16		27.0	10.7	9.6	63.5			0	P.Cloudy.	30
23.2	13.5	3.3	7.7	27	1035.6	250	8	1	20		28.6	11.0	10.2	61.0			0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

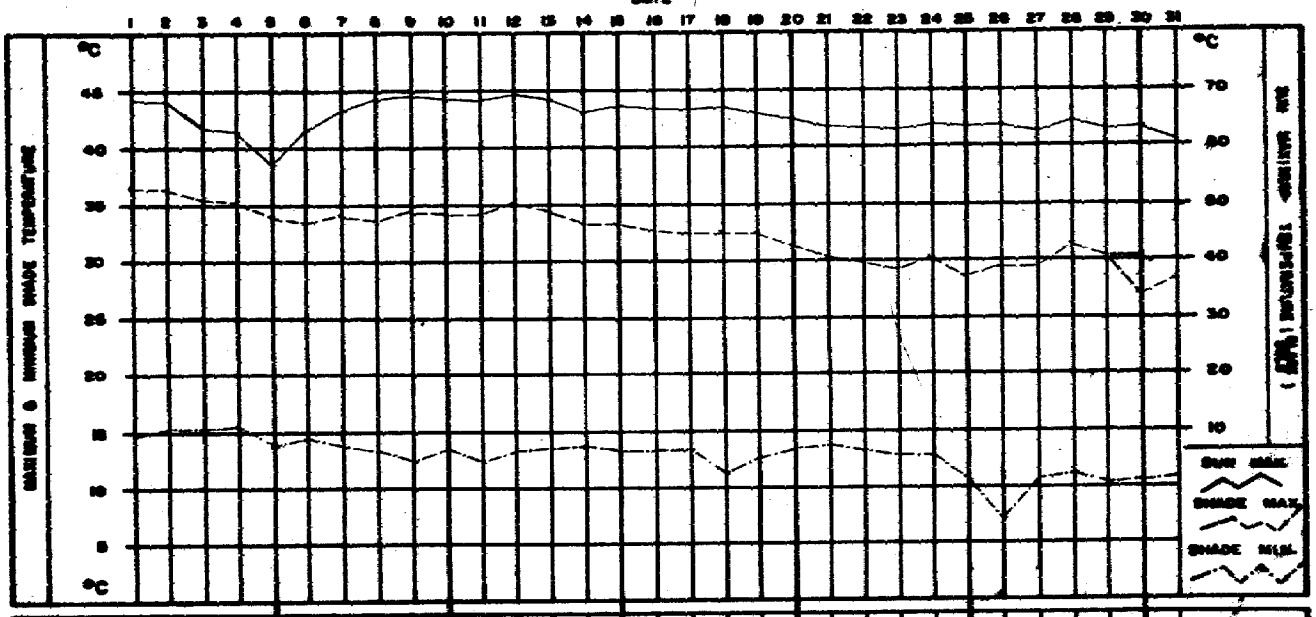
Rainsh.: Rain falling as showers

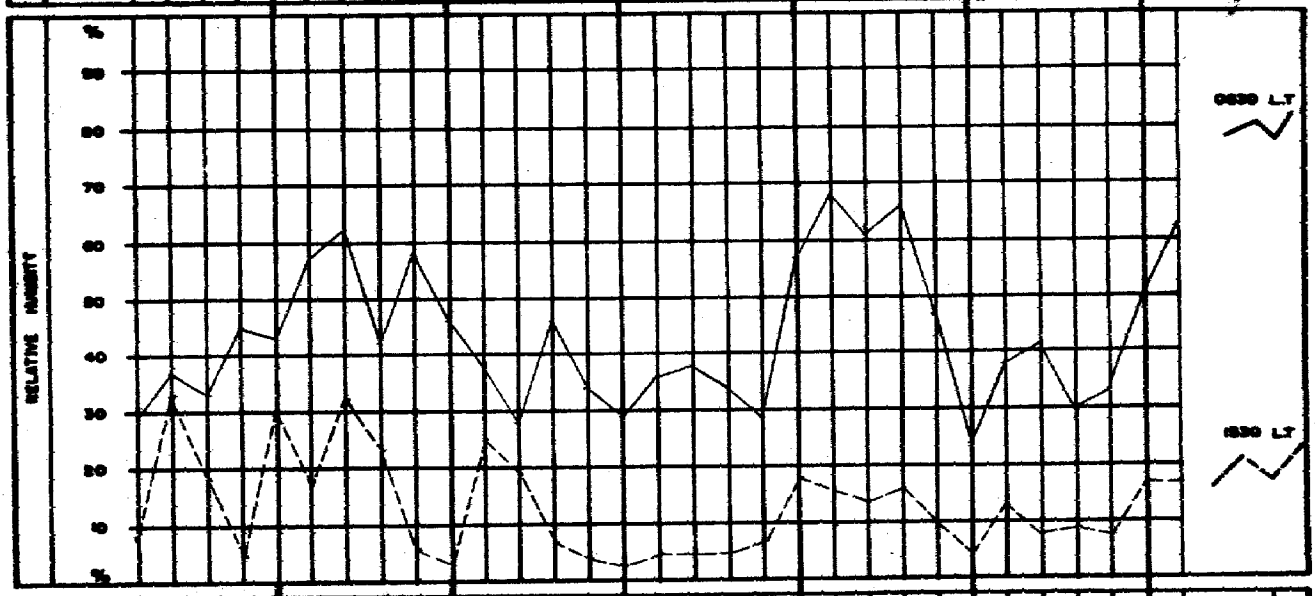
Hail: Solid precipitation

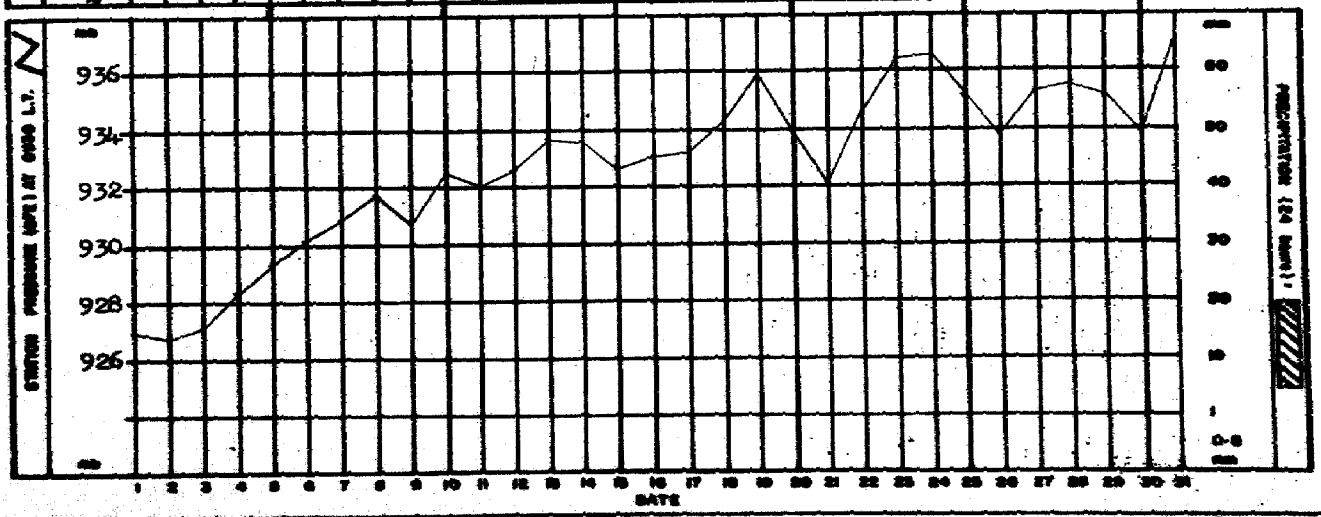
Th. storm: Thunderstorm at or near the station

87.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
Ground Level: 709 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Gach Saran	
		Lat: 30°21' N.	Long: 50°48' E.







SP.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October. Year: 1961

Station: Kut Abdullah.

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°13' N Long: 48°40' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1																					1
2																					2
3																					3
4																					4
5																					5
6																					6
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12
13																					13
14																					14
15																					15
16	16.7	10.5	3.3	7.8	40		280	4	0	10	35.4	17.7	0.0	6.2	10		270	15	0	15	16
17	16.0	11.2	6.1	9.6	52		270	6	0	15	35.4	18.3	2.5	7.3	13		290	10	0	20	17
18	16.8	11.2	5.3	8.9	48		270	8	1	20	35.0	18.7	4.7	8.7	15		310	12	5	20	18
19	14.5	9.0	1.7	6.9	41		270	4	0	20	33.5	17.8	2.3	7.8	14		280	9	0	20	19
20																					20
21	17.6	17.4	17.2	19.9	98		090	10	0	0.1	31.5	19.7	11.5	13.6	29		120	6	0	15	21
22	19.6	19.3	18.9	22.0	97		110	14	X	0.2	31.0	23.2	19.2	22.3	50		100	4	0	20	22
23	16.4	15.0	14.0	16.0	83		320	4	0	12	31.3	21.2	15.1	17.2	37		280	2	1	20	23
24	15.9	10.4	4.0	8.2	45		300	5	0	12	31.5	15.8	-1.7	5.3	11		300	25	0	4	24
25	12.7	7.8	1.1	6.6	46		280	10	0	20	26.3	14.6	2.7	7.4	22		280	6	0	15	25
26																					26
27																					27
28	11.4	7.1	1.2	6.7	50		100	5	0	10	32.8	17.8	4.4	8.4	18		–	0	3	10	28
29	13.6	8.2	1.2	6.8	43		130	4	4	10	32.0	18.5	7.8	10.6	23		100	4	2	20	
30	14.5	13.2	12.2	14.2	86		100	2	6	15	30.0	22.2	17.8	20.6	49		–	0	5	15	30
31	14.1	11.8	9.6	12.0	75		030	3	4	15	31.2	20.6	13.9	15.8	35		110	7	4	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Kut Abdullah.

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°13' N Long: 48°40' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
																			1
																			2
																			3
																			4
																			5
																			6
																			7
																			8
																			9
																			10
																			11
																			12
																			13
																			14
																			15
30.6	16.3	1.9	7.1	15		280	10	0	15		37.8	15.7	13.5	74.0			0	Haze.	16
29.3	16.9	5.8	9.3	22		270	10	0	20		36.8	14.5	12.3	74.2			0	Clear.	17
30.0	16.2	2.8	7.3	18		300	8	5	15		36.2	15.3	12.8	75.2			0	P.Cloudy.	18
29.2	16.0	3.1	7.6	18		270	12	0	20		37.0	13.9	11.4	74.2			0	Clear.	19
28.0	16.6	6.7	9.8	25		100	4	0	20		34.4	12.1	10.5	73.0			0	"	20
28.7	18.2	10.3	12.6	32		100	8	0	20		34.4	14.8	13.3	71.0			0	Fog.	21
28.0	18.4	11.4	13.1	36		120	8	1	20		34.4	16.3	14.8	69.4			0	"	22
27.4	18.3	11.7	13.8	38		270	2	0	15		33.3	15.0	13.4	69.5			0	Clear.	23
26.9	14.3	-0.0	6.2	17		290	10	0	15		33.2	15.6	13.4	70.0			0	Haze.	24
											31.8	12.3	11.0	69.0			0	Clear.	25
												9.2	6.9				0	"	26
24.4	15.2	6.9	10.0	32		–	0	0	15		34.8	10.3	8.6	71.2			0	"	27
27.8	17.5	9.4	11.8	31		–	0	3	10		34.7	11.4	8.4	72.2			0	Fair.	28
25.3	16.8	10.0	12.3	39		300	5	0	20		34.3	13.2	11.7	70.8			0	"	29
26.7	18.8	13.3	15.2	44		300	4	6	20		31.7	13.2	12.0	73.4			0	P.Cloudy.	30
25.4	16.2	8.1	11.8	34		100	6	6	20		32.0	13.7	13.0	73.6			0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

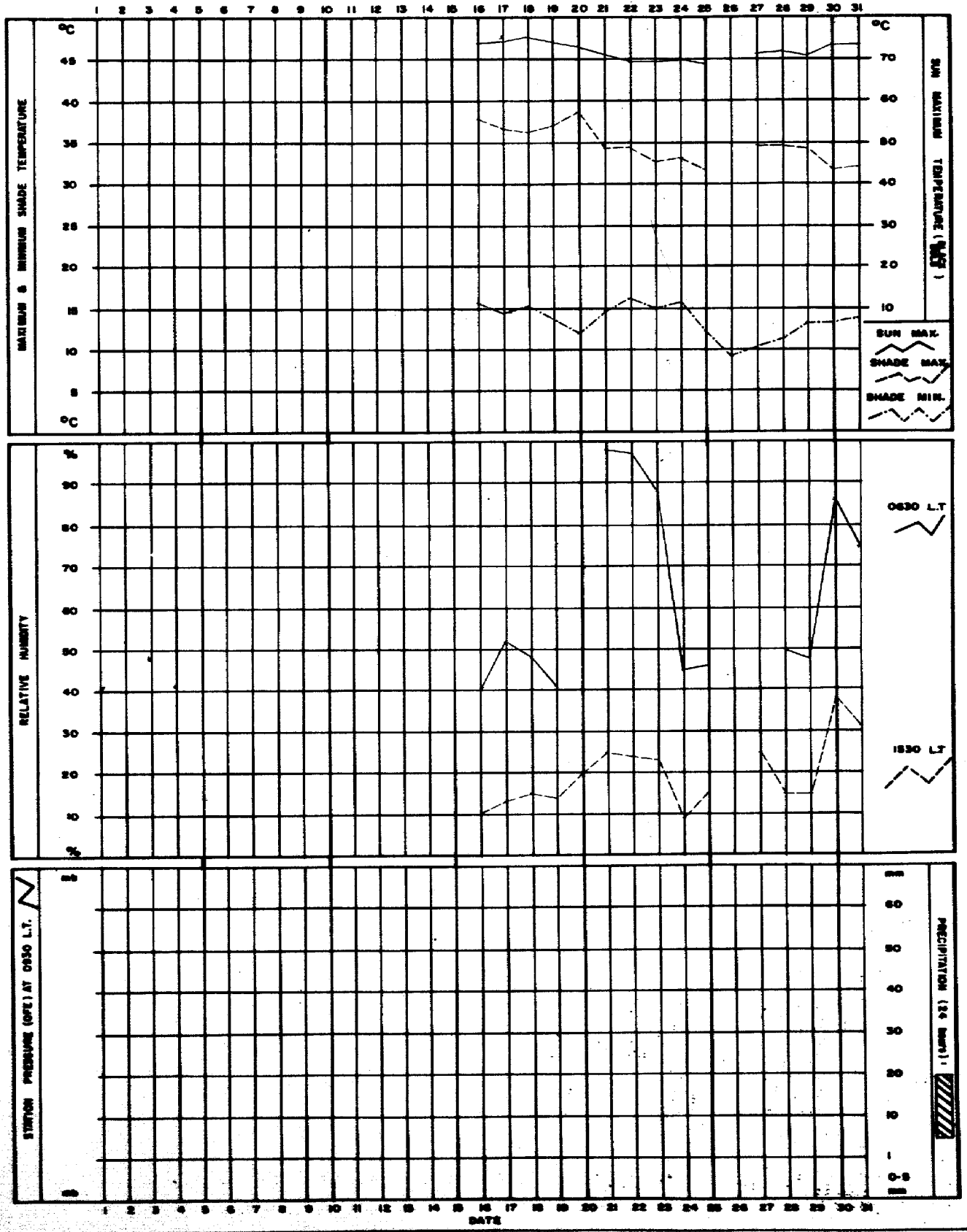
Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Kut Abdullah	
Ground Level: 15 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°13' N.	Long: 48°40' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Bandar Mashur.

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	14.0	8.8	2.2	7.2	45	1005.7	270	2	0	12	31.0	16.0	0.2	6.2	14	1005.3	270	8	0	15	1
2	13.4	7.7	-0.4	5.9	38	1004.7	290	6	0	12	31.5	15.5	-2.8	4.8	10	1005.7	290	8	0	15	2
3	11.0	6.2	-1.0	5.6	43	1004.8	250	4	0	15	29.0	15.5	1.5	6.8	17	1005.6	250	6	0	14	3
4	10.2	7.9	5.2	8.8	72	1005.9	–	0	0	10	31.4	17.0	3.4	7.8	17	1007.3	–	0	0	20	4
5	16.2	16.1	16.0	18.2	100	1007.3	–	0	X	0.0	31.7	20.0	12.0	14.0	30	1008.1	–	0	0	20	5
6	13.8	13.8	13.8	15.8	100	1008.4	–	0	X	0.0	32.2	17.0	2.3	7.2	15	1008.7	220	7	0	17	6
7	19.5	16.0	13.4	15.4	68	1008.0	080	4	0	12	32.6	19.8	10.7	12.9	26	1009.4	180	10	0	20	7
8	16.0	11.7	7.4	10.3	57	1009.6	270	5	0	20	34.5	19.0	6.3	9.6	18	1010.5	–	0	0	10	8
9	17.0	9.0	-2.2	5.1	25	1008.4	300	7	0	30	37.0	19.0	2.9	7.6	12	1009.5	270	5	0	20	9
10	17.1	10.0	1.6	6.6	34	1009.5	270	6	0	25	36.6	18.7	2.3	7.2	12	1010.8	–	0	0	20	10
11	16.1	9.0	-0.6	5.8	32	1010.3	290	5	0	30	34.6	17.5	0.5	6.3	11	1010.7	300	8	0	25	11
12	14.0	7.5	-2.1	5.2	33	1009.8	310	4	0	25						1011.1	300	2			12
13	16.5	10.7	4.2	8.3	44	1012.7	–	0	0	15						1013.6	240	6			13
14	16.0	10.0	2.8	7.5	41	1011.4	250	4	0	13						1011.9	–	0			14
15	15.0	9.0	1.2	6.7	39	1011.2	–	0	0	12	34.6	19.0	6.2	9.5	17	1011.1	080	10	0	15	15
16	16.3	10.0	2.3	7.3	40	1010.6	–	0	0	25	34.0	18.0	3.4	7.8	15	1011.8	310	7	0	15	16
17	15.8	9.4	1.2	6.7	37	1010.8	–	0	0	25	34.0	17.2	0.2	6.2	12	1011.9	310	9	0	20	17
18	17.0	10.0	1.2	6.7	35	1012.2	290	10	1	25	33.9	17.0	-0.5	5.9	11	1014.1	360	10	2	20	18
19	16.0	9.0	-0.5	5.9	33	1013.9	290	10	0	30	32.8	16.5	-0.7	5.8	12	1014.7	290	4	0	25	19
20	17.0	10.0	1.2	6.7	35	1012.2	–	0	0	25	32.1	23.2	18.5	21.3	45	1014.3	180	8	0	25	20
21	19.5	18.2	17.4	19.9	88	1010.4	150	8	0	10	30.4	23.5	20.1	23.5	54	1011.4	180	8	0	20	21
22	17.8	17.0	16.4	18.8	92	1012.9	090	7	0	2	29.8	24.0	21.2	25.2	60	1014.5	200	9	0	15	22
23	20.0	20.0	20.0	23.4	100	1015.7	–	0	X	0.0	26.0	22.6	20.9	24.6	73	1017.1	290	10	0	12	23
24	15.5	12.4	9.6	11.9	68	1015.9	270	5	0	20	32.1	16.0	-1.7	5.3	11	1017.1	330	25	0	2	24
25	9.5	5.8	0.4	6.3	53	1015.3	–	0	0	20	27.1	15.0	2.7	7.4	21	1015.7	290	7	0	17	25
26	11.0	6.7	0.6	6.4	49	1014.2	270	4	0	14						1015.6	–	0			26
27	12.0	7.8	-0.1	6.0	43	1015.2	290	4	0	18						1015.8	–	0			27
28	12.0	8.0	2.8	7.5	54	1015.6	300	2	1	12						1015.0	250	1			28
29	15.0	10.0	4.2	8.3	49	1015.1	–	0	1	25	30.6	19.0	10.5	12.7	29	1014.4	–	0	1	20	
30	16.1	14.6	13.4	15.4	85	1013.1	100	7	3	12	29.5	22.1	18.0	20.7	50	1013.6	–	0	7	17	30
31	14.5	12.2	10.1	12.4	75	1015.3	–	0	1	12	30.3	20.2	13.6	15.6	36	1016.7	180	7	2	15	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8–5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis < 1 km

Mgt. Form 2a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Bandar Mashur.

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

Observations at 1830											Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility			Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km		°C	°C	°C	°C	°C	deg.	kt	mm		
31.0	15.0	-4.4	4.2	9	1003.8	290	10	0	20			38.3	13.9		68.8	270	17	0	Clear.	1
29.8	14.2	-6.0	3.7	9	1003.7	300	6	0	20			37.0	13.0	11.0	68.8	250	14	0	"	2
28.8	17.0	6.9	10.0	25	1004.5	160	4	0	14			35.1	10.8	7.9	68.5	290	9	0	"	3
28.0	17.2	8.3	11.0	29	1006.0	180	4	0	20			36.0	10.2	7.6	68.5	250	12	0	Haze.	4
31.0	16.8	3.3	7.8	17	1007.0	-	0	0	20			35.4	15.0	12.6	65.2	150	7	0	Fog.	5
28.0	17.2	8.3	11.0	29	1006.6	-	0	0	25			35.5	11.7	10.2	66.0	110	12	0	"	6
29.0	22.4	18.9	21.9	55	1007.4	220	8	0	25			35.0	16.0	14.0	66.2	260	13	0	Clear.	7
29.6	16.2	3.2	7.7	19	1008.1	-	0	0	25			38.5	15.6	13.0	67.8	200	14	0	Haze.	8
31.0	17.2	4.8	8.6	19	1007.7	-	0	0	25			39.2	15.5	13.1	69.0	300	15	0	Clear.	9
29.9	18.5	9.9	12.2	29	1009.0	190	9	0	30			38.4	16.2	13.9	69.5	330	14	0	"	10
30.5	15.0	-3.3	4.7	11	1009.1	290	10	0	30			38.3	15.3	13.1	70.0	250	14	0	"	11
33.5	17.5	2.3	7.2	14	1011.8	300	2	0	14			39.0	12.5	10.0	70.0	330	8	0	"	12
31.5	15.5	-2.9	4.8	10	1012.4	300	4	0	16			39.5	11.0	9.5	70.0	280	20	0	"	13
30.0	17.2	6.1	9.4	22	1012.1	300	4	0	16			39.0	16.0	12.6	69.0	270	12	0	"	14
30.5	16.0	1.1	6.6	15	1009.7	-	0	0	30			38.0	14.8	11.9	68.5	340	12	0	"	15
30.0	15.0	-2.3	5.1	12	1010.0	290	9	0	30			38.2	15.8	11.8	68.4	320	16	0	"	16
29.2	15.0	-0.9	5.7	14	1011.0	290	12	0	30			37.6	15.0	12.1	68.0	340	17	0	"	17
30.5	16.0	1.1	6.6	15	1012.6	290	12	2	15			37.3	16.0	13.0	69.8	340	19	0	Fair.	18
30.9	16.2	1.2	6.7	15	1012.5	290	7	0	25			37.0	15.5	14.5	66.8	340	13	0	Clear.	19
28.0	18.1	10.7	12.9	34	1010.3	180	5	0	30			37.0	15.0	11.2	68.0	200	11	0	Fog.	20
25.4	20.0	16.7	19.1	59	1010.2	-	0	0	30			32.6	18.7	17.1	62.5	180	13	0	Mist.	21
26.0	21.6	19.2	22.3	67	1013.6	-	0	1	25			33.2	17.3	16.7	62.5	200	12	0	Fog.	22
28.0	21.3	17.4	20.0	53	1014.7	-	0	0	25			33.0	17.6	17.5	62.0	330	16	0	"	23
26.8	14.2	0.0	6.1	17	1015.5	290	10	0	7			34.1	15.0	13.4	64.2	340	26	0	Haze.	24
24.5	15.0	6.1	9.5	31	1013.2	300	4	0	15			32.4	9.0	6.9	61.0	330	14	0	Clear.	25
25.5	17.4	11.3	13.4	41	1015.3	-	0	0	12			32.0	10.5	7.0	62.1	270	4	0	"	26
25.0	16.4	9.4	11.8	37	1014.2	160	4	0	14			33.5	12.0	8.0	64.0			0	"	27
25.5	17.7	12.0	14.0	43	1013.5	170	4	1	15			33.5	12.0	8.8	64.0	240	7	0	Fair.	28
26.0	22.1	20.1	23.5	70	1012.5	190	8	1	30			32.5	13.5	10.5	62.6	210	8	0	"	29
26.0	22.1	20.1	23.5	70	1012.5	200	5	7	25			34.6	15.9	12.6	64.5	230	6	0	Cloudy.	30
25.0	20.3	17.6	20.1	64	1015.8	180	4	3	30			31.8	13.7	11.1	64.4	200	6	0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

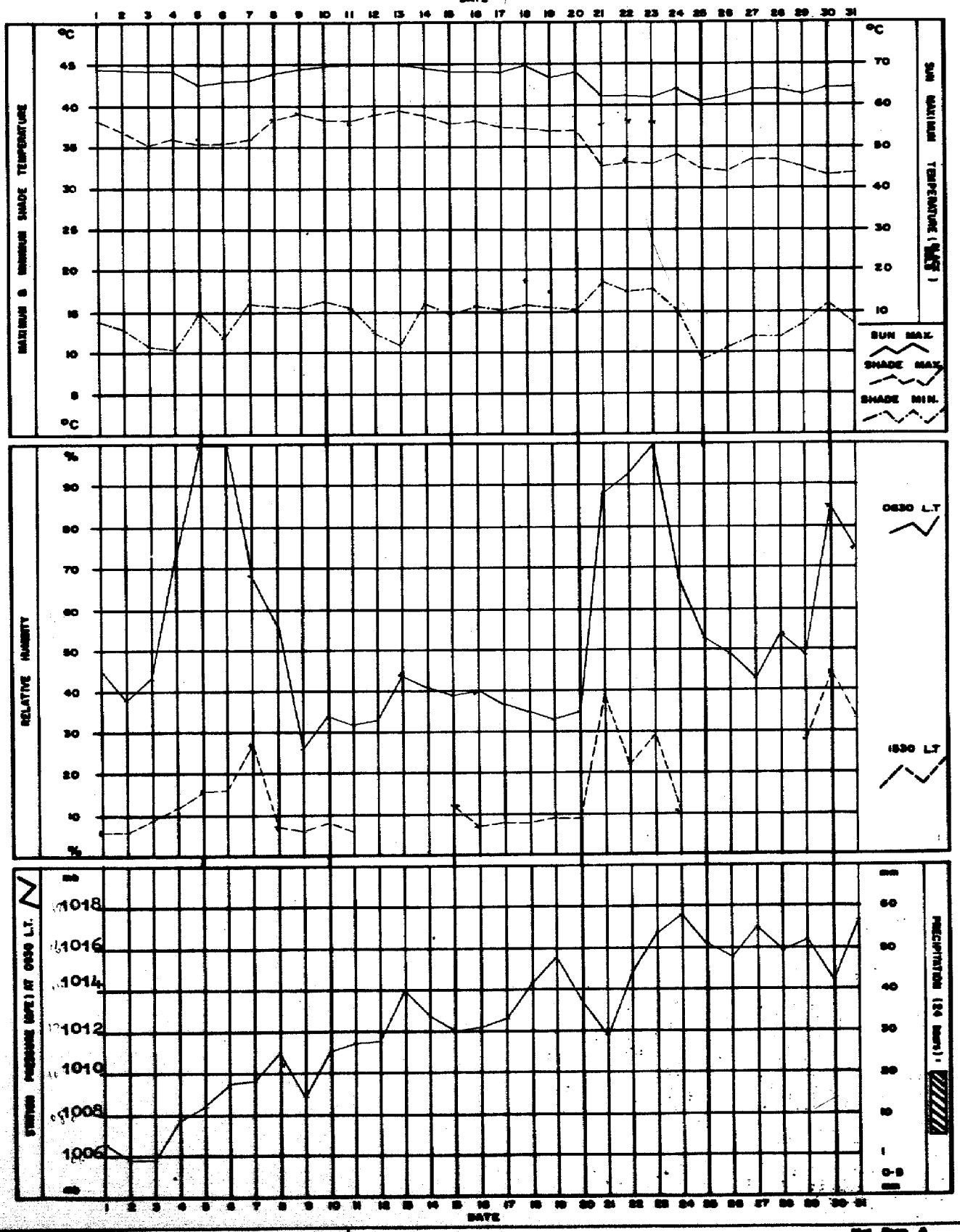
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

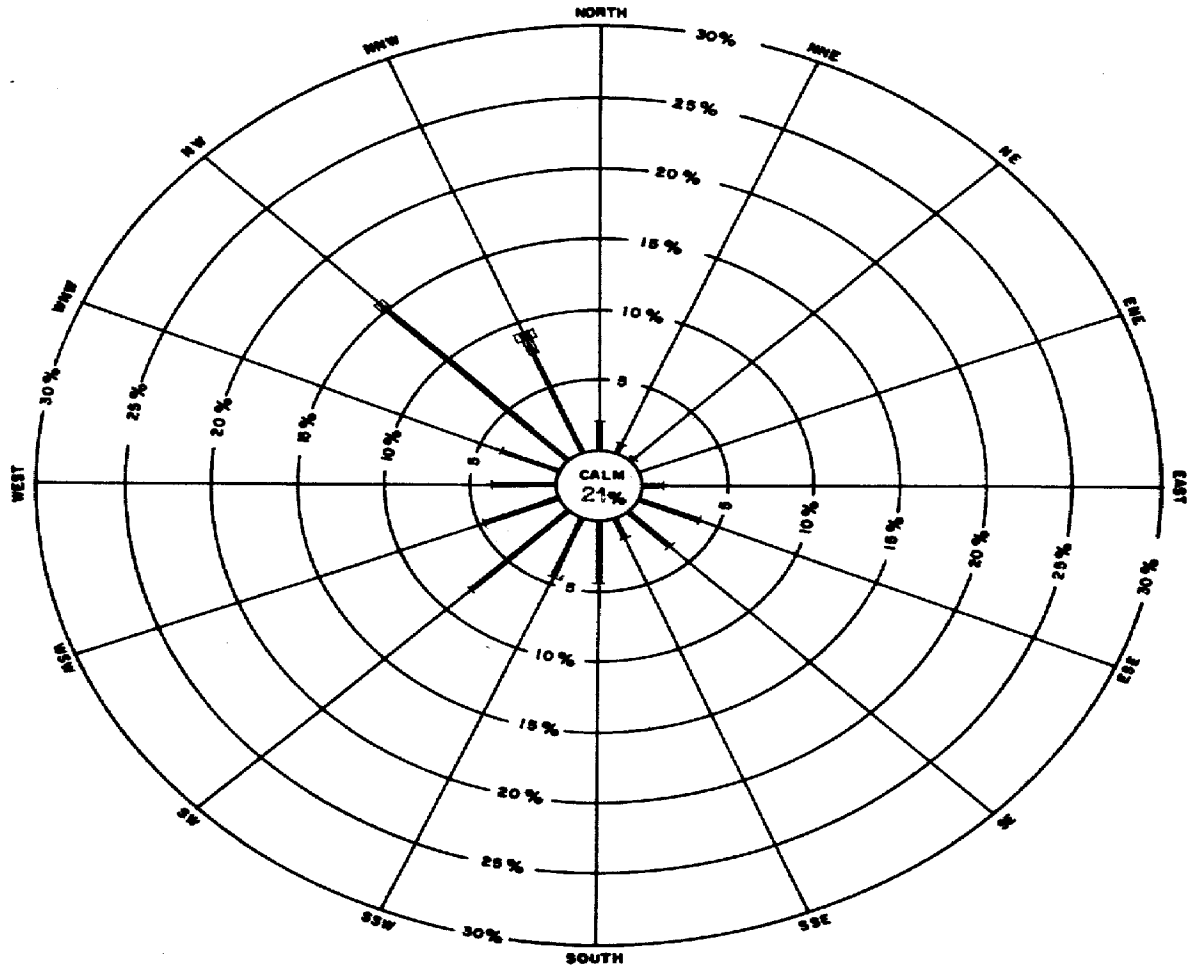
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



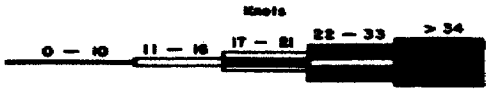
Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E

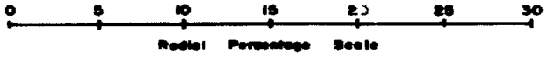


Hours in month 744

Hours recorded 720



Velocity Key



Radial Percentage Scale

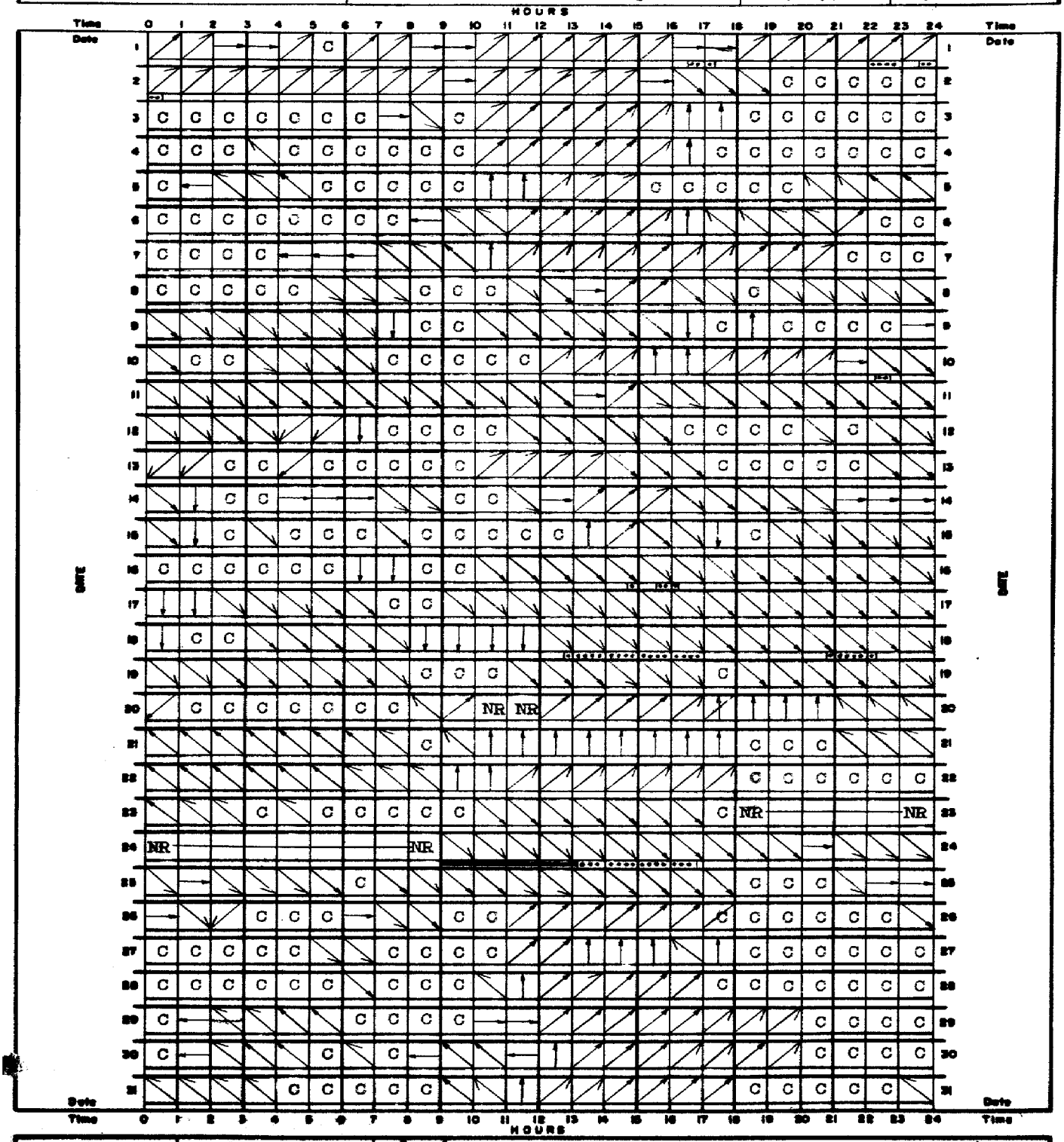
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are cumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

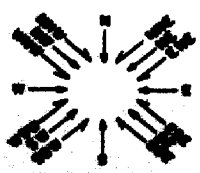
Met. Form 5

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key	
C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 26
	> 26

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 26 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 26 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	26.0	20.0	16.3	18.6	55	1006.1	290	4	0	20	29.0	21.4	17.0	19.4	48	1006.4	310	7	0	25	1
2	25.3	20.0	16.8	19.1	59	1004.6	300	8	0	20	29.0	22.0	18.1	20.8	52	1005.3	310	15	0	25	2
3	25.6	21.4	19.1	22.1	67	1004.4	300	6	0	20	30.2	23.0	19.2	22.4	52	1006.2	270	2	0	20	3
4	20.6	20.2	19.9	23.3	96	1006.5	–	0	0	20	30.4	24.0	20.9	24.7	57	1007.4	320	6	0	20	4
5	19.0	18.2	17.7	20.3	93	1008.1	–	0	0	20	29.8	25.0	22.8	27.8	66	1008.9	030	4	0	20	5
6	18.6	18.2	17.9	20.6	96	1008.6	–	0	0	15	29.4	24.2	21.7	26.0	64	1009.2	030	3	0	20	6
7	24.2	23.2	22.8	27.6	93	1008.6	320	2	0	15	31.0	26.4	24.5	30.7	68	1009.8	360	3	0	15	7
8	22.4	22.0	21.8	25.9	95	1009.4	–	0	0	8	31.2	23.2	19.1	22.0	48	1010.6	340	7	0	20	8
9	21.8	21.0	20.6	24.3	93	1008.5	–	0	0	12	31.4	23.2	18.9	21.9	48	1009.6	330	12	0	20	9
10	22.4	22.4	22.4	27.1	100	1010.1	–	0	0	20	32.4	24.8	21.2	25.2	52	1011.2	–	0	0	30	10
11	22.1	21.0	20.4	24.0	90	1010.4	–	0	0	20	32.2	23.4	18.8	21.8	46	1010.8	320	5	0	25	11
12	20.6	20.0	19.7	22.9	94	1010.3	–	0	0	20	31.4	23.2	18.9	21.9	48	1010.9	–	0	0	30	12
13	21.9	21.6	21.4	25.6	98	1011.8	–	0	0	20	33.8	23.4	17.8	20.5	39	1012.2	330	8	0	25	13
14	24.6	23.0	22.2	26.8	86	1011.8	–	0	0	20	30.8	23.4	19.6	22.9	51	1012.5	360	4	0	20	14
15	22.8	22.4	22.2	26.8	97	1011.1	–	0	0	20	30.8	24.5	21.6	25.7	58	1011.4	310	8	0	20	15
16	21.2	21.0	20.9	24.8	98	1011.6	–	0	0	20	30.6	25.0	22.4	27.2	62	1011.9	–	0	0	20	16
17	20.9	20.4	20.2	23.6	96	1011.6	–	0	0	25	30.0	25.9	24.2	30.2	71	1012.4	340	5	0	25	17
18	22.4	22.2	22.1	26.6	97	1012.5	–	0	0	20	29.6	25.0	23.2	28.5	67	1013.9	300	4	0	25	18
19	23.6	22.0	21.2	25.2	87	1014.5	090	2	0	20	29.0	23.7	21.2	25.1	63	1015.2	100	4	0	20	19
20	25.0	23.4	22.7	27.5	87	1013.7	120	6	0	25	30.2	25.0	22.6	27.5	64	1013.4	100	5	0	25	20
21	22.6	22.0	21.7	25.9	94	1011.4	–	0	1	20	29.6	25.0	22.8	27.9	67	1012.1	100	6	1	25	21
22	22.3	21.8	21.6	25.7	96	1013.9	–	0	0	30	30.2	25.2	23.0	28.1	66	1014.7	120	8	0	30	22
23	20.8	20.0	19.5	22.7	93	1015.6	330	3	0	15	29.4	24.0	21.4	25.5	63	1016.3	330	8	1	25	23
24	25.6	22.8	21.4	25.5	77	1016.2	310	4	0	20	30.0	22.8	19.0	22.0	52	1016.9	330	14	0	20	24
25	25.2	17.2	11.1	13.2	41	1015.6	300	14	0	15	26.4	19.0	14.0	16.0	47	1015.4	340	13	0	25	25
26	18.6	17.0	15.9	18.1	84	1013.5	–	0	0	20	28.5	21.5	17.5	20.0	51	1014.3	340	8	0	20	26
27	19.2	18.0	17.2	19.7	89	1014.4	–	0	0	15	29.0	22.8	19.6	22.8	57	1015.0	320	10	0	20	27
28	23.0	20.6	19.3	22.3	80	1014.5	030	5	1	20	30.2	20.2	13.7	15.7	37	1014.6	–	0	0	20	28
29	23.6	22.6	22.1	26.7	91	1014.4	–	0	4	20	29.6	25.4	23.6	29.1	70	1014.5	280	3	4	20	
30	20.2	19.8	19.6	22.8	97	1013.9	–	0	1	10	27.8	21.8	18.5	21.3	57	1014.1	030	5	6	20	30
31	21.8	20.4	19.7	22.9	88	1015.4	–	0	0	20	28.4	21.6	17.8	20.4	53	1017.0	110	6	1	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
26.5	21.2	18.2	20.1	58	1004.4	300	5	0	20		29.4	25.6	24.0	61.1	310	23	0	Clear.	1
28.0	21.6	18.1	20.7	55	1004.2	300	4	0	20		29.0	23.6	16.8	60.6	330	22	0	"	2
27.6	20.3	15.8	18.0	49	1005.4	300	6	0	20		30.8	25.2	22.4	61.8	310	18	0	"	3
26.2	21.8	19.4	22.6	66	1006.9	280	5	0	20		31.4	20.0	15.2	62.2	320	12	0	"	4
27.4	22.8	20.4	24.1	66	1008.3	–	0	0	20		33.0	18.0	12.5	62.2	030	3	0	"	5
26.8	21.4	18.4	21.2	60	1007.9	–	0	0	20		32.0	18.5	11.1	60.6	300	10	0	"	6
28.6	21.8	18.1	20.7	53	1008.0	300	5	0	20		32.8	21.2		67.0	300	9	0	"	7
28.2	23.0	20.3	23.9	62	1009.3	300	5	0	20		33.5	22.0	17.6	67.4	300	18	0	Mist.	8
28.0	24.0	22.1	26.6	70	1008.7	310	5	0	20		33.6	21.0	16.0	66.0	300	20	0	Clear.	9
28.5	22.9	20.0	23.4	60	1010.0	290	5	0	30		33.2	20.8	15.8	66.7	300	14	0	"	10
27.6	24.0	22.3	27.0	73	1009.9	260	3	0	20		33.2	20.5	15.5	67.0	290	18	0	"	11
28.1	24.3	22.6	27.4	72	1010.3	300	10	0	30		33.1	20.4	15.2	68.9	310	12	0	"	12
28.2	22.8	17.2	23.5	61	1011.7	–	0	0	20		34.0	21.5	16.6	67.0	290	16	0	"	13
27.5	24.4	23.0	28.1	77	1011.5	290	5	0	20		32.5	20.6	15.6	66.2	320	10	0	"	14
26.8	23.6	22.1	26.6	75	1011.0	260	2	0	20		32.0	20.0	15.8	65.0	320	10	0	"	15
27.2	21.8	18.9	21.8	61	1011.1	300	4	0	20		32.0	20.4	15.4	65.8	300	10	0	"	16
27.6	23.2	21.1	25.0	68	1011.7	–	0	0	20		32.2	20.1	15.4	65.0	300	12	0	"	17
27.2	22.5	20.1	23.5	65	1013.1	300	4	1	25		30.3	20.9	15.8	65.0	320	8	0	"	18
26.2	23.0	21.4	25.6	75	1013.9	100	5	0	20		31.8	21.9	17.3	65.6	340	15	0	"	19
27.0	23.6	22.0	26.4	74	1012.1	100	5	0	25		31.4	21.4	18.1	64.0	150	8	0	"	20
26.8	23.4	21.8	26.1	74	1011.2	230	3	0	25		30.3	22.4	18.4	62.3	150	8	0	Fair.	21
26.8	23.2	21.4	25.6	73	1014.2	200	3	1	30		31.3	21.0	17.2	63.0	100	10	0	Clear.	22
26.8	21.4	18.4	21.2	60	1015.5	300	8	0	20		31.0	20.5	16.2	63.0	300	14	0	Fair.	23
28.8	21.8	17.9	20.5	52	1015.2	330	15	0	10		30.6	20.5	19.2	62.7	320	24	0	Haze.	24
25.0	18.4	13.9	15.9	50	1013.5	–	0	0	20		28.8	25.0	22.6	62.0	320	28	0	Clear.	25
24.6	20.2	17.6	20.2	65	1013.4	330	2	0	20		30.0	18.6	14.2	65.5	310	12	0	"	26
26.4	20.4	16.8	19.2	56	1014.1	330	5	1	20		29.5	18.5	13.9	63.0	310	12	0	"	27
26.2	22.0	19.8	23.1	68	1013.5	–	0	0	20		31.6	21.2	16.2	64.5	290	12	0	Fair.	28
[illegible]8.0	23.4	22.2	26.7	80	1013.6	250	4	1	20		30.0	20.0	15.6	63.0	300	11	0	P.Cloudy.	29
25.0	22.4	21.1	25.1	79	1013.9	–	0	4	20		29.6	19.9	16.0	63.5	350	6	0	Mist.	30
26.4	22.0	19.7	22.9	67	1016.5	200	3	5	20		30.0	20.0	15.4	62.8	310	9	0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

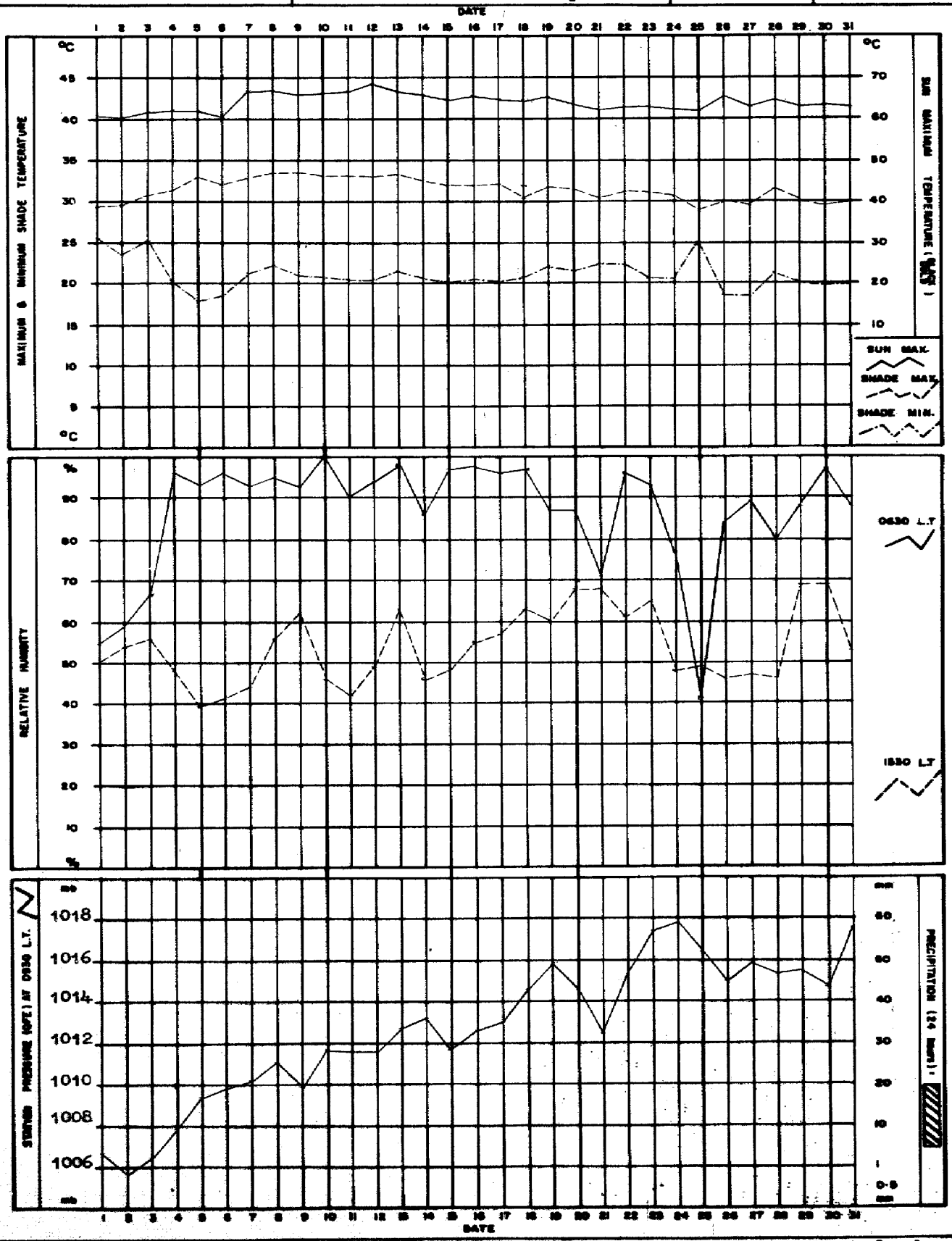
Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

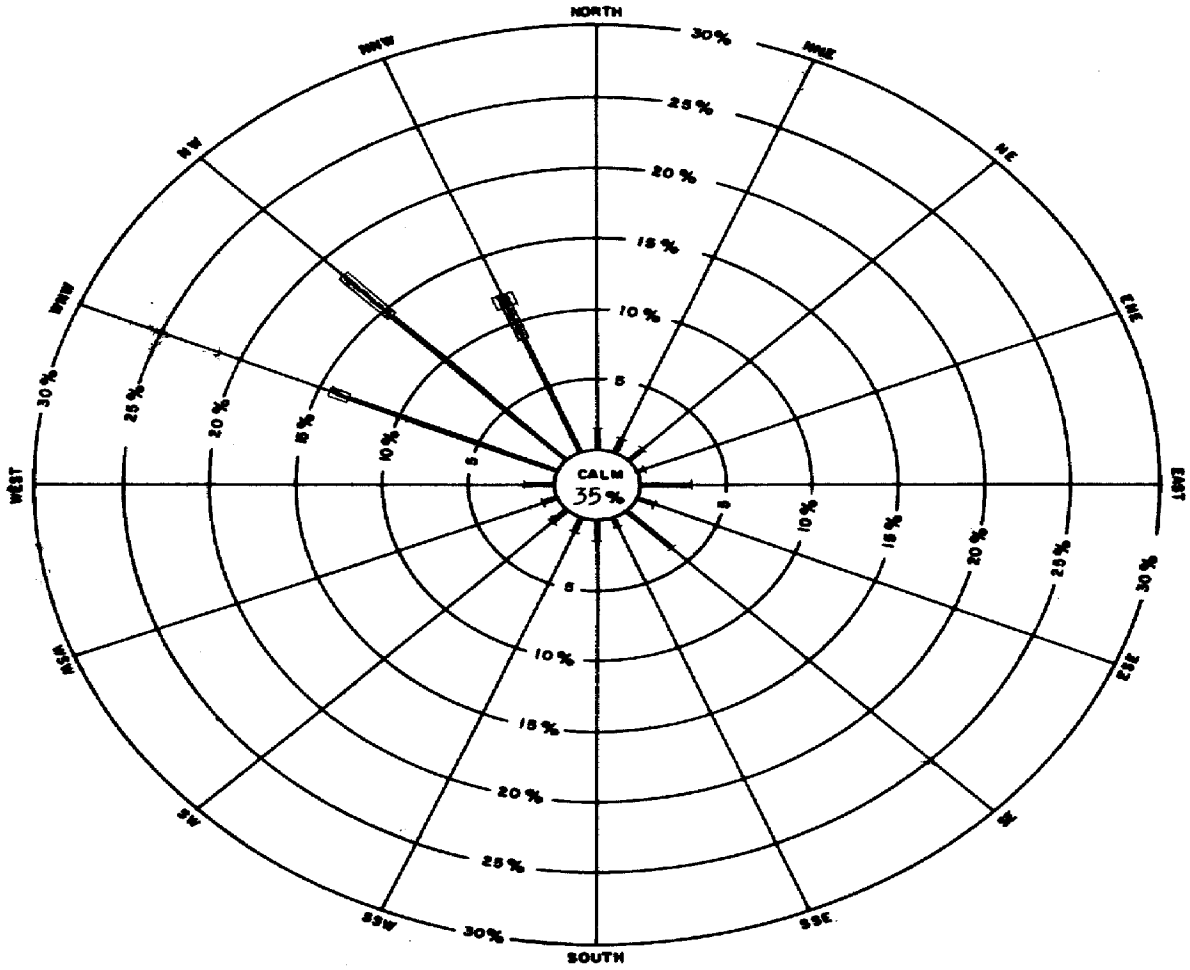
Th. storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Kharg Island.	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



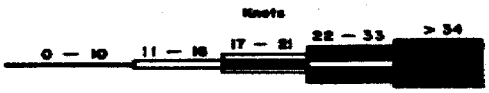
Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E

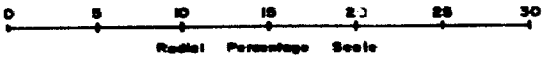


Hours in month 744

Hours recorded 744



Velocity Key



Radial Percentage Scale

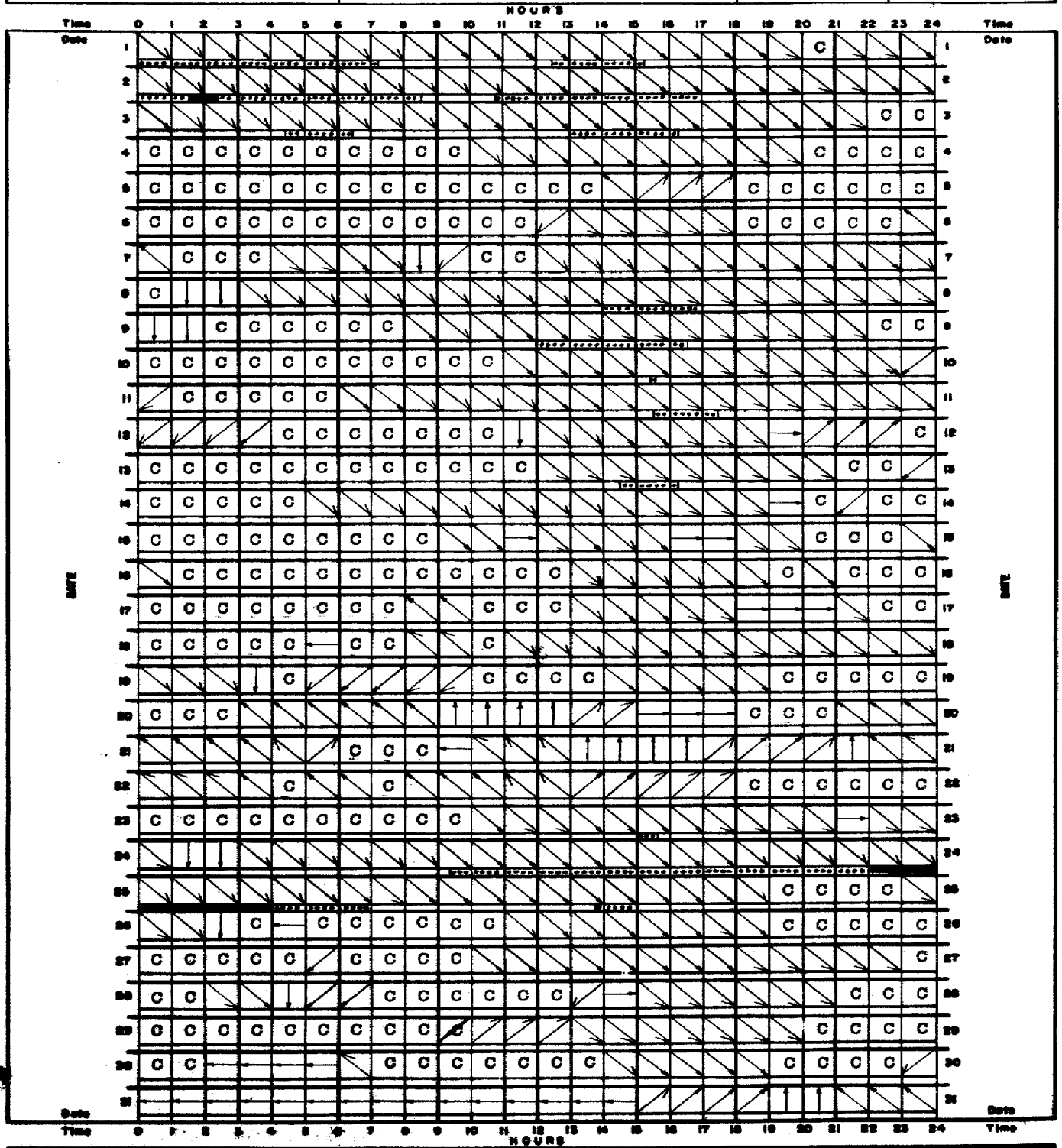
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

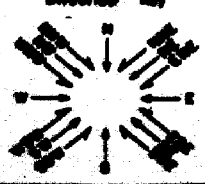
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Velocity Key

	Color
C	
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 26
	> 26

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots.(Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 26°48' N | Long: 53°22' E

Date	Observations at 0830										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	26.0	25.3	24.9	31.8	94	1003.6	270	6	0	25	35.6	21.7	12.9	14.9	27	1005.2	290	10	0	25	1
2	26.2	24.6	23.9	29.7	87	1004.8	270	5	0	20	32.5	27.4	25.4	32.4	66	1004.8	210	6	0	25	2
3	25.4	24.7	24.4	30.6	94	1003.4	090	5	1	30	33.3	25.0	21.1	25.0	49	1005.8	230	7	0	30	3
4	29.5	27.0	25.4	30.6	94	1004.9	270	7	0	25						1007.1	360	4	0		4
5	24.5	23.9	23.6	29.2	95	1007.3	290	2	0	35	31.7	28.0	26.4	34.9	75	1009.2	160	8	1	25	5
6	25.5	23.7	22.8	27.8	86	1008.8	280	3	0	25	33.0	26.5	23.9	29.4	58	1008.9	230	7	1	30	6
7	23.4	21.0	19.6	23.0	79	1008.0	300	7	0	35	32.0	23.0	18.2	20.9	44	1009.2	230	10	0	35	7
8	23.3	22.5	22.1	26.7	93	1008.1	310	2	0	30	32.2	26.0	23.3	28.7	60	1009.8	240	9	0	30	8
9						1008.2	–	0	0		32.0	26.9	24.8	31.4	66	1009.4	180	6	0	30	9
10	29.2	24.6	22.4	27.3	67	1010.2	100	6	0	25	31.7	26.0	23.6	29.1	62	1010.5	180	6	0	30	10
11	23.3	22.5	22.1	26.6	93	1009.2	300	8	0	40	33.3	26.9	24.3	30.3	60	1009.7	250	9	0	35	11
12	23.6	22.9	22.3	26.9	92	1010.3	290	7	0	30	34.7	26.0	22.1	26.7	47	1010.7	220	3	0	35	12
13	26.4	21.0	17.9	20.6	60	1010.8	300	8	0	35	32.5	26.0	23.2	28.4	58	1011.9	160	9	0	30	13
14	23.2	22.4	22.0	26.4	93	1011.3	300	1	0	30	32.0	27.5	25.7	33.1	70	1011.5	160	8	0	30	14
15	25.0	23.0	22.0	26.5	84	1011.0	310	1	0	35	31.5	27.0	25.2	32.0	69	1011.8	160	5	0	30	15
16	22.6	21.3	20.7	24.8	90	1011.3	300	7	0	35	32.0	25.1	21.9	26.3	55	1012.8	230	5	1	30	16
17	23.5	21.5	20.4	24.0	83	1011.4	280	7	0	35	32.5	25.1	21.7	25.9	53	1011.5	250	9	0	35	17
18	23.7	21.9	20.9	24.8	84	1014.0	290	2	0	30	33.6	23.1	17.4	19.9	38	1013.9	240	5	0	35	18
19	23.8	19.0	15.9	18.1	61	1015.4	300	2	0	35	31.8	23.7	19.6	22.9	49	1016.0	220	9	0	30	19
20	24.0	21.2	19.7	23.0	77	1014.3	270	1	0	30	31.5	21.3	15.1	17.3	38	1013.8	220	1	1	30	20
21	25.0	21.6	19.8	23.1	72	1012.0	–	0	0	35	30.0	21.5	16.6	18.9	45	1012.3	150	4	1	35	21
22	25.9	20.2	16.8	19.1	58	1014.0	070	5	2	30	30.3	21.1	15.6	17.7	42	1015.2	180	5	1	30	22
23	21.2	19.0	17.7	20.2	80	1015.6	320	2	0	35	31.2	20,6	13.8	15.8	35	1015.8	180	3	1	35	23
24	23.7	21.0	19.5	22.7	77	1015.7	280	1	0	35	31.2	25.1	22.4	27.0	59	1015.4	240	10	1	25	24
25	25.6	23.2	22.4	26.5	81	1014.5	090	3	0	24	30.2	24.7	22.3	26.8	62	1014.5	180	7	1	24	25
26	23.3	19.2	16.7	19.0	66	1013.5	280	4	0	25	29,4	22.3	18.5	21.3	52	1014.2	180	7	1	30	26
27	23.4	21.1	19.8	23.1	80	1015.0	030	1	0	35	29.5	20.6	15.0	17.1	42	1014.3	200	9	1	30	27
28	24.8	19.9	16.9	19.3	62	101[illegible].6	010	4	1	30	33.0	19.6	9.7	12.2	25	1014.0	350	6	1	35	28
29	23.2	19.6	17.4	19.9	70	1014.4	–	0	1	35	30.2	20.5	14.3	16.3	37	1014.3	130	9	3	20	29
30	24.3	20.1	17.6	20.2	66	1014.6	100	1	0	20	29.9	18.9	10.9	13.1	31	1014.1	150	9	1	20	30
31	24.9	15.6	7.4	10.3	33	1016.6	070	8	1	30	30.0	18.4	9.4	11.9	28	1017.2	130	21	1	30	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: October Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
29.5	24.8	22.6	27.5	67	1003.7	270	11	0	25	30.0	36.3	25.0	21.0	69.0	290	18	0	Clear	1
29.6	25.4	23.6	29.0	70	1003.9	250	5	0	25		32.9	24.1	20.0	66.0	270	6	0	"	2
29.8	25.3	23.3	28.6	68	1004.9	270	2	0	30		34.7	24.5	20.0		270	8	0	"	3
29.9	25.4	23.4	28.8	68	1006.7	300	5	0	25		33.5	24.2	20.5	66.5	270	8	0	"	4
29.6	27.2	26.3	34.2	83	1008.7	-	0	0	25	31.0	33.0	23.6	20.7	65.3	130	15	0	Fair	5
29.5	20.4	14.8	16.7	40	1007.8	280	7	0	30	31.3	35.0	24.0	19.7	66.2	300	17	0	Clear	6
28.1	22.8	20.1	23.5	62	1008.4	320	5	0	35	30.2	33.0	23.2	18.4	65.8	270	14	0	"	7
28.6	25.6	24.3	30.4	78	1008.3	300	5	0	30	31.5	33.7	28.5	17.5	65.5	240	12	0	"	8
29.5	23.8	20.9	24.8	60	1008.8	300	7	0	25	30.6	33.2	22.3	18.5	65.5			0	"	9
29.1	25.2	23.5	29.0	73	1009.8	270	1	0	30		32.3	23.8	17.2	66.5			0	"	10
28.5	24.0	21.8	26.2	68	1009.4	300	6	0	35		34.5	22.5	16.6	67.0	220	12	0	"	11
29.5	26.3	25.0	31.7	77	1010.1	270	6	0	35		38.0	22.6	18.8	71.0	360	5	0	"	12
29.2	25.7	24.2	30.3	75	1011.5	270	6	0	30	30.5	34.1	24.2	19.3	65.3	130	13	0	"	13
28.8	24.1	21.9	26.3	66	1011.2	320	1	0	30		33.0	22.5	17.2	65.0	180	14	0	"	14
28.5	25.1	23.6	29.3	75	1011.3	270	1	0	30	31.0	32.2	22.7	18.3	64.5	180	11	0	"	15
28.4	24.7	23.1	28.2	73	1011.2	290	5	0	30	31.0	33.1	21.8	16.9	65.0	180	12	0	"	16
27.5	22.6	20.1	23.6	64	1011.5	270	7	0	35	30.5	34.5	21.8	17.5	66.0	280	10	0	"	17
27.7	21.0	17.2	19.5	52	1014.0	300	6	0	35	31.5	34.8	23.3	16.3	66.0	340	19	0	"	18
24.8	21.6	18.7	21.6	62	1015.5	270	4	0	30	30.3	33.5	22.0	14.5	66.5	270	12	0	"	19
28.3	21.5	17.6	20.2	53	1012.7	-	0	0	30	31.5	32.4	21.7	16.6	68.3			0	"	20
27.8	21.4	17.8	20.3	54	1012.3	-	0	0	35	30.5	32.4	22.3	16.5	66.5	210	8	0	"	21
26.7	20.8	17.3	19.8	57	1015.0	290	1	0	30	30.1	31.3	24.1	19.0	63.7	190	8	0	Fair	22
27.3	19.3	14.0	16.0	44	1015.9	260	7	0	35	29.5	31.7	20.4	15.5	65.0	360	15	0	Clear	23
27.6	22.4	19.6	22.9	62	1014.4	270	5	0	25	29.8	32.4	22.3	19.6	64.5	010	13	0	"	24
27.8	21.5	18.0	20.6	55	1013.9	270	6	1	24		31.2	23.5	19.4	63.3	330	8	0	Fair	25
27.0	21.3	18.2	20.8	58	1013.7	160	2	0	25	29.4	30.0	22.3	19.5	63.0	250	6	0	"	26
25.6	19.8	16.2	18.4	56	1014.4	-	0	0	30	29.6	30.1	22.7	19.0	62.8	250	10	0	Clear	27
28.0	21.0	16.9	19.2	51	1013.8	290	6	0	30	29.4	34.0	22.1	17.7	65.0	350	11	0	Fair	28
28.1	21.6	18.0	20.6	54	1013.6	160	5	2	20	29.0	30.0	22.6	16.5	64.6	170	15	0	"	29
28.0	19.9	14.7	16.7	44	1014.6	160	6	1	30		30.5	22.4	17.6	62.9	180	11	0	"	30
27.7	20.0	15.2	17.2	46	1017.7	110	12	4	20	28.0	31.2	23.3	18.5	64.3	170	29	0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

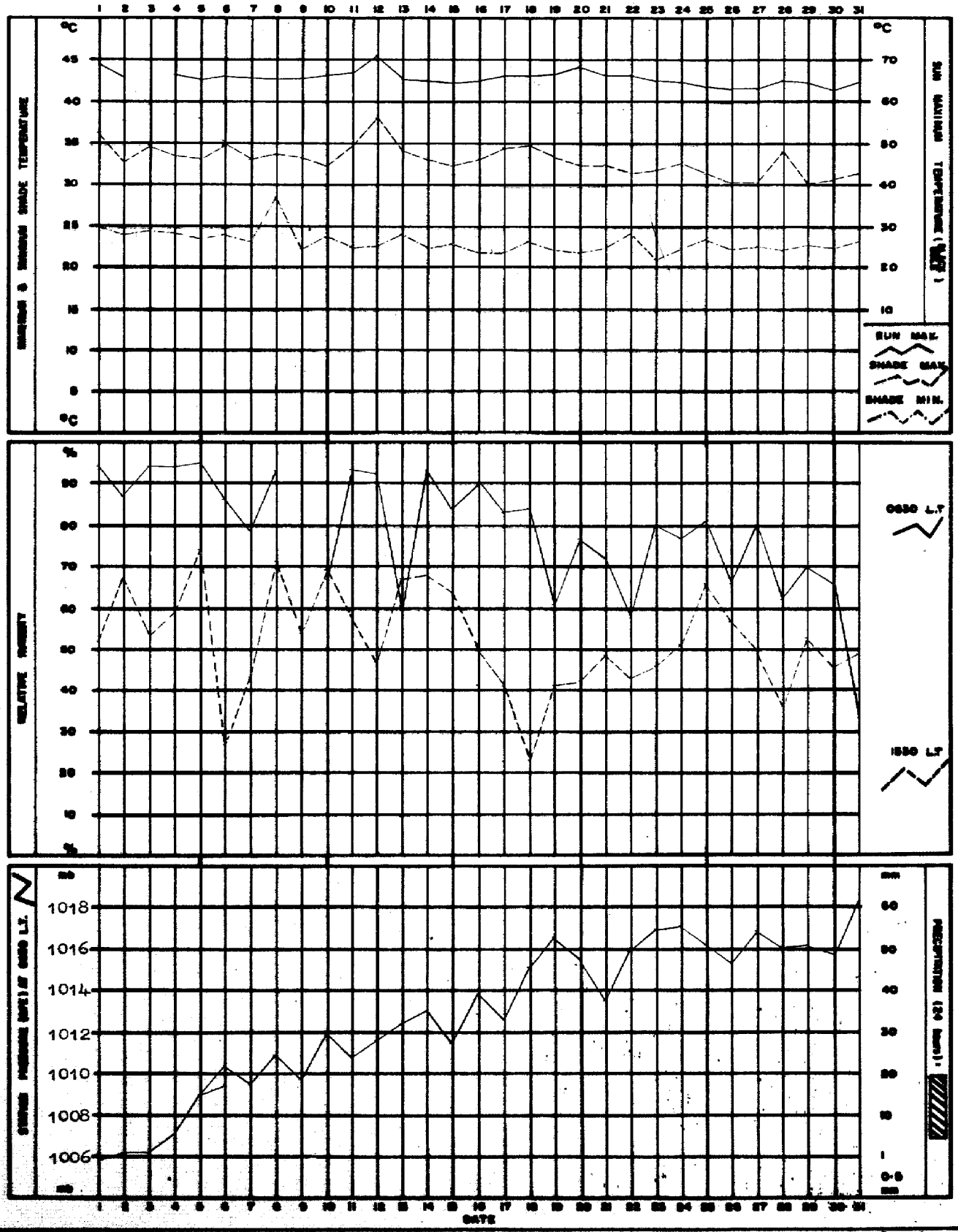
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

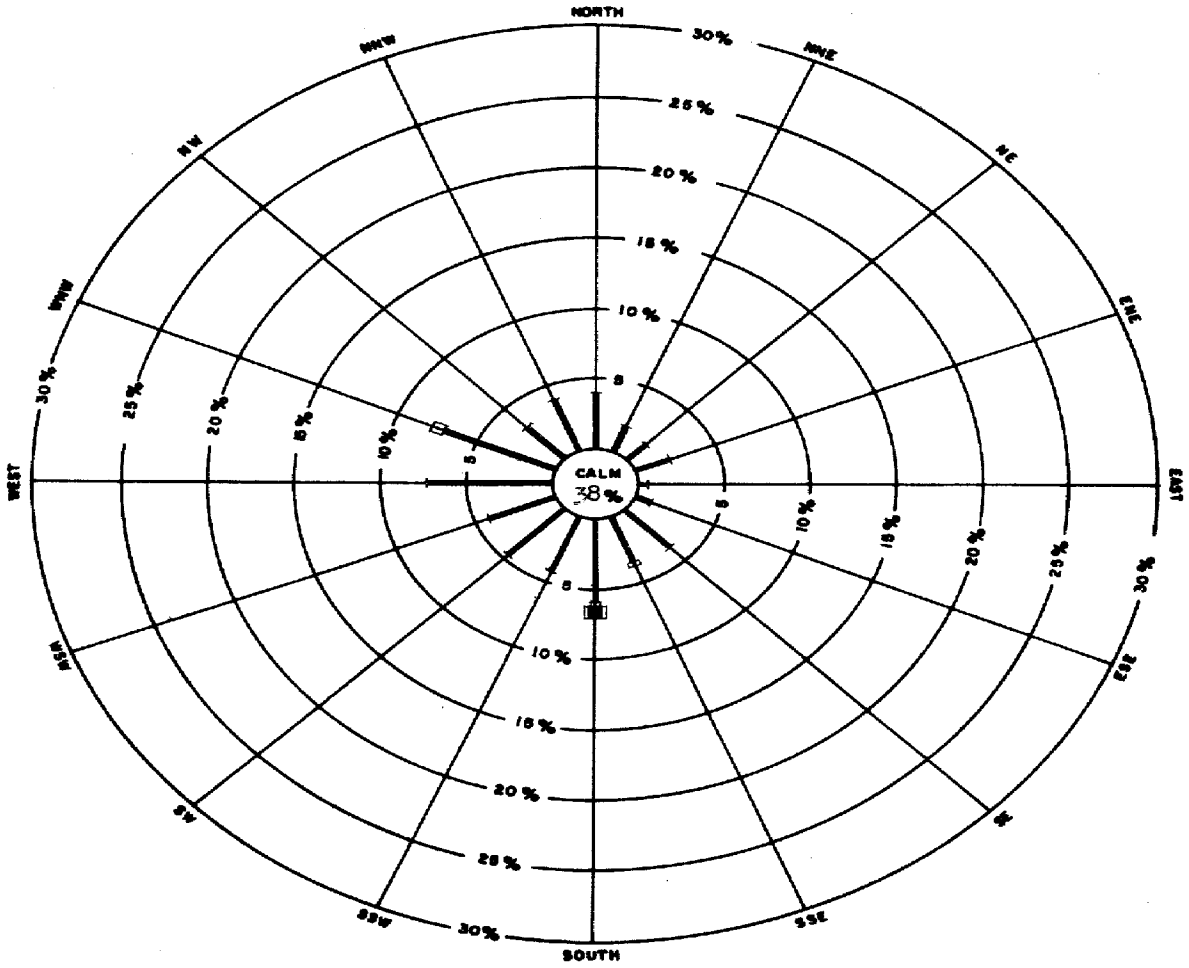
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: October	Year: 1961
		Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Met. Form 4

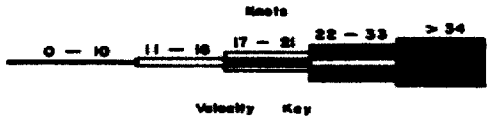
104.

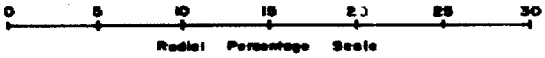
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: October	Year: 1961
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 744

Hours recorded 744





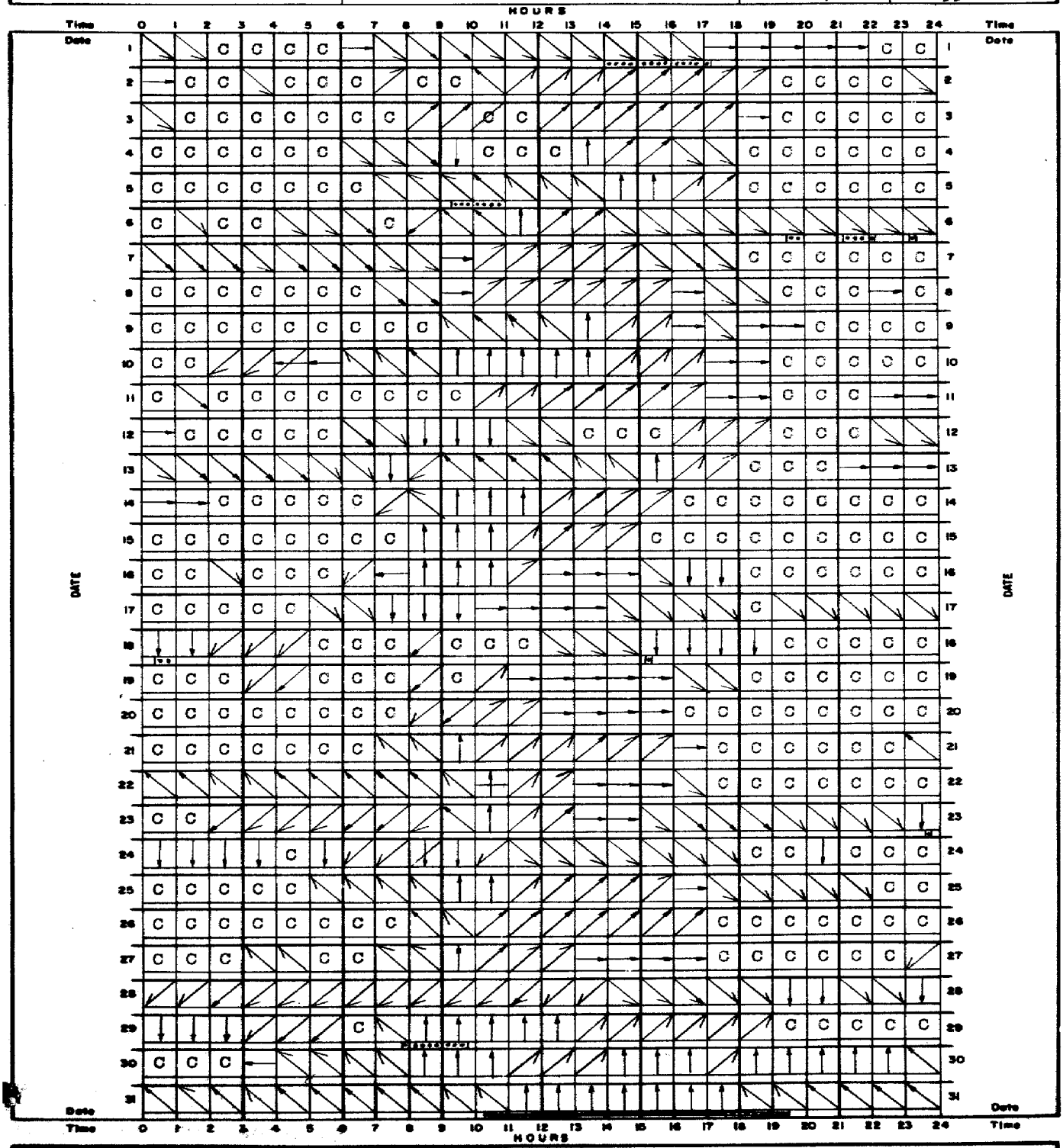
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

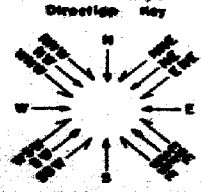
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: October	Year: 1961
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

62-C-240
~~62-C-86~~

Mata / Aws
1,496,720
Incl #1

IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

APR 20 1964

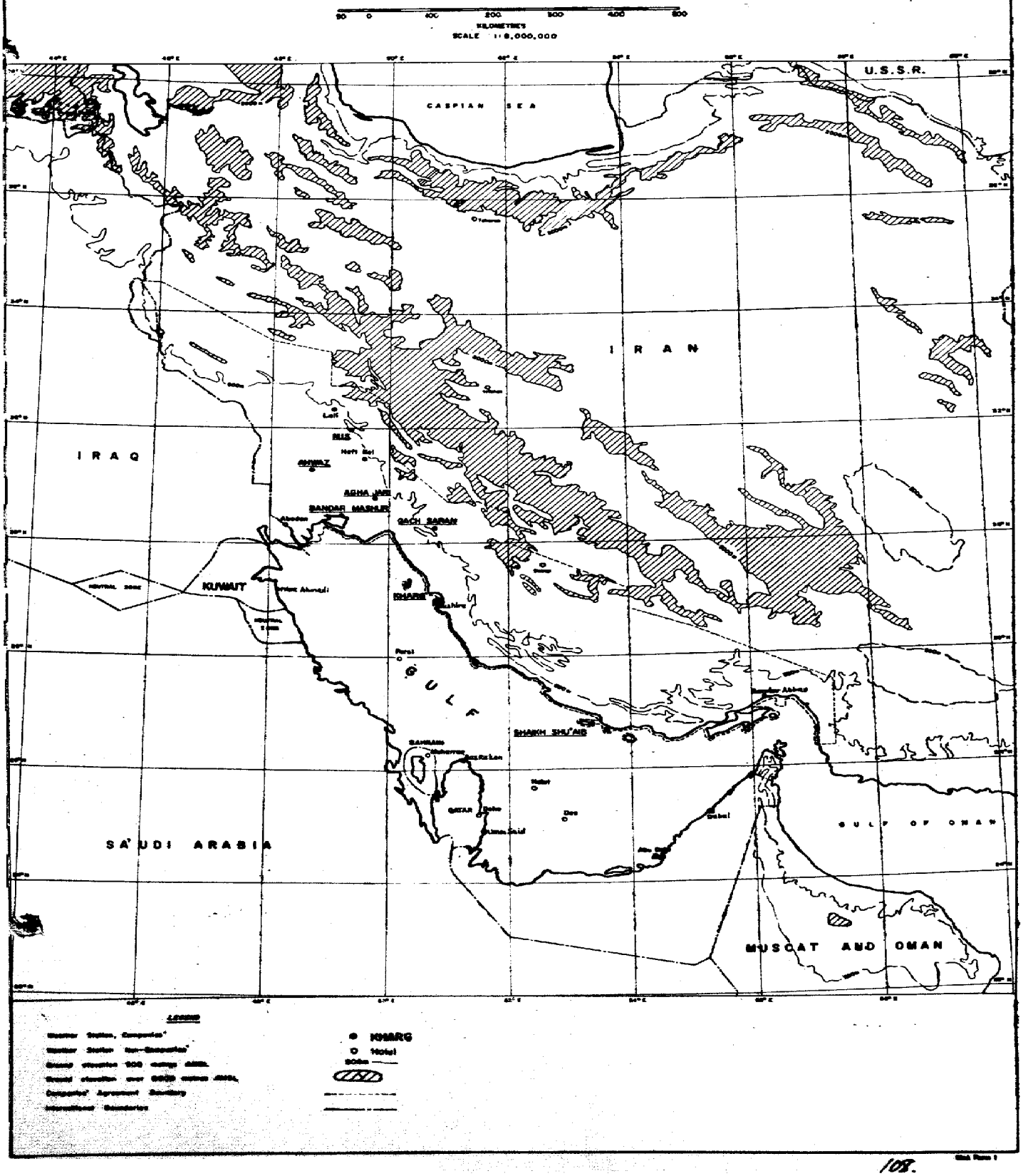
METEOROLOGICAL OBSERVATIONS

FOR

NOVEMBER 1961

atch 1 to
IR-1496720 107.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



CONTENTS.

The following stations are included:

	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport)	40 812	32°00'N	49°15'E	362 m.	4
Agha Jari (Ummidieh airport)	40 833	30°36'N	49°50'E	29 m.	9
Gach Saran (Du Gombadan airport)	40 835	30°21'N	50°48'E	709 m.	14
Kut Abdullah (Airport)	-	31°13'N	48°40'E	15 m.	17
Bandar Mashur (Airport)	40 832	30°33'N	49°09'E	8 m.	20
Kharg Island (Airport)	40 845	29°15'N	50°20'E	3 m.	25
Sheikh Shu'aib (Decca Navigator Station)	40 882	26°48'N	53°22'E	2 m.	30
Abadan (Iranian Met. Dept., Civil Airport)	40 831	30°21'N	48°16'E	2 m.	35

REMARKS.

See "REMARKS" in the August and September, 1961, bulletins.

Certain data have been included for Abadan Civil Airport. These observations have been carried out by Iranian Meteorological Department.

CONVERSION FACTORS.

Temperature.

$$^{\circ}F = \frac{9}{5}\,^{\circ}C + 32$$

Pressure.

1 mb = 0.0295 inches Hg = 0.750 mm Hg

1 inch Hg = 33.86 mb = 25.40 mm Hg

Normal atmospheric pressure at mean sea level = 1013.2 mb = 29.92 inches Hg = 760.0 mm Hg = 14.7 lb/sqft

Length.

1 mm = 0.039 inches

1 m. = 3.28 ft

1 km = 0.621 statute miles

1 inch = 25.40 mm

1 foot = 0.305 m

1 statute mile = 1609 m

IRANIAN OPERATING OIL COMPANIES — MONTHLY WEATHER SUMMARY

Month: November Year: 1961

Local Time: G.M.T. + 3½ hrs

Station	Maximum Temperature: Monthly Average °C	Maximum Temperature: Monthly Highest °C	Date	Minimum Temperature: Monthly Average °C	Minimum Temperature: Monthly Lowest °C	Date	Ground Min. Temperature: Monthly Average °C	Ground Min. Temperature: Monthly Lowest °C	Date	Sea Temp: Monthly Average °C	Sun Maximum Temperature: Monthly Average °C	Sun Maximum Temperature: Monthly Highest °C	Date
Masjid-i-Sulaiman	23.3	30.2	1	12.5	3.6	25	9.4	1.0	25		55.0	66.2	7
Agha Jari	25.4	33.0	1	11.0	0.7	25					59.6	68.0	4
Gach Saran	22.3	27.8	1	8.8	1.2	25	8.0	0.6	30		56.8	64.3	4
Kut Abdullah	25.1	32.7	1	10.6	0.1	27	9.4	-2.3	27		61.4	70.8	3,4
Bandar Mashur	25.6	32.5	7	11.2	1.4	26	10.2	1.0	26		59.3	70.2	2
Kharg Island	25.0	30.6	1	18.5	12.0	27	12.8	5.5	27		58.3	65.5	7
Sheikh Shu'aib	27.1	31.4	7	19.7	15.9	28	17.3	12.9	28	26.6	59.3	66.5	4
Abadan	25.4	32.8	6	12.7	2.2	27							

Station	Humidity: Vapour Pressure at 0930 mb	Humidity: Dew Point Depression at 0930 °C	Rel. Hum. Daily avr. %	Rel. Hum. 1530 (avr.) %	Rel. Hum. 0630 (avr.) %	Rainfall: Monthly Total mm	Rainfall: Maximum in 24 hrs mm	Date	Station Pressure (QFE) at 0930: Monthly Average mb	Monthly Highest mb	Date	Monthly Lowest mb	Date	Maximum Wind Velocity: Velocity kts.	Direction degr.	Date
Masjid-i-Sulaiman	11.8	8.4	57	42	71	40.1	16.5	11	976.9	983.4	30	970.5	22	30	130	22
Agha Jari	11.8	9.7	54	36	74	30.4	24.0	11	1017.3	1025.4	29	1011.8	22	35	200	10
Gach Saran	10.0	9.6	55	34	77	41.6	14.0	24	936.3	941.8	30	932.5	14			
Kut Abdullah	14.2	7.3	61	43	80	14.4	6.8	11								
Bandar Mashur	13.7	7.9	59	39	75	20.1	15.3	11	1018.6	1026.8	29	1011.1	22	33	270	8
Kharg Island	17.7	7.5	64	56	71	62.1	33.7	11	1018.4	1025.7	30	1012.1	22	38	330	24
Sheikh Shu'aib	18.3	10.3	63	54	70	39.0	24.0	12	1018.1	1023.8	29	1014.0	14	43	050	12
Abadan				35*	85*	7.6	2.5	11	1018.3	1027.1	30	1012.2	22			

*Lowest, resp. highest of the day

NUMBER OF DAYS WITH

Station	Maximum Temperature: ≤ 10.0 °C	10.0–19.9 °C	20.0–29.9 °C	30.0–39.9 °C	40.0–44.9 °C	≥ 45.0 °C	Minimum Temperature: ≤ 0.0 °C	0.0–9.9 °C	10.0–19.9 °C	20.0–29.9 °C	30.0–34.9 °C	≥ 35.0 °C	Horizontal Visibility: ≤ 200 m	200–500 m	500–1000 m	1–2 km	2–5 km	5–15 km	15–30 km	≥ 30 km	Fog (Vis. ≤ 1 km)	Dust (Vis. ≤ 1 km)	Thunderstorms	24 Hour Rainfall: ≥ 0.1 mm	0.1–0.9 mm	1.0–4.9 mm	5.0–9.9 mm	≥ 10 mm	≥ 1 inch	Cloudiness: ≥ 7/8 at 0930	≤ 2/8 at 0930	Daily Average
Masjid-i-Sulaiman	0	8	21	1	0	0	0	7	23	0	0	0	0	0	1	0	0	18	11	0	1	0	2	3	0	0	1	2	0	9	14	3.6
Agha Jari	0	6	15	9	0	0	0	8	22	0	0	0	0	0	0	0	1	11	18	0	0	0	0	3	1	0	1	1	0	7	17	2.8
Gach Saran	0	8	22	0	0	0	0	17	13	0	0	0	1	0	0	0	2	10	16	1	1	0	1	4	0	1	0	3	0	5	17	3.4
Kut Abdullah	0	5	19	6	0	0	0	11	19	0	0	0	0	0	0	0	0	15	15	0	0	0	0	5	0	4	1	0	0	4	21	2.3
Bandar Mashur	0	4	20	6	0	0	0	9	21	0	0	0	0	0	0	0	0	8	22	0	0	0	0	2	0	1	0	1	0	4	18	2.3
Kharg Island	0	4	23	3	0	0	0	0	19	11	0	0	0	0	0	0	0	2	28	0	0	0	3	6	0	2	2	2	1	3	17	2.9
Sheikh Shu'aib	0	0	27	3	0	0	0	0	19	11	0	0	0	0	0	0	0	0	15	15	0	0	3	3	0	1	0	2	0	3	17	2.6
Abadan	0	5	18	7	0	0	0	7	20	3	0	0									0	0	1	4	1	3	0	0	0	5	16	

4

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: November Year: 1961
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-i-Sulaiman
		Lat: 32°00' N Long: 49°15' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity			Station Pressure (QFE)	Wind		Cloudiness	Visibility	
			Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Velocity					Dew Point Temperature	Vapour Pressure	Relative Humidity		Direction	Speed			
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	18.3	12.0	5.4	9.0	43	977.3	-	0	1	20	29.1	17.0	6.5	9.7	24	978.0	220	5	3	20	1
2	18.8	14.6	11.1	13.2	61	977.9	-	0	4	20	28.8	17.3	7.7	10.6	27	977.7	170	8	2	15	2
3	17.0	13.4	10.3	12.5	65	978.1	-	0	0	12	27.4	18.8	12.9	14.9	41	977.8	-	0	2	18	3
4	18.4	13.5	9.1	11.6	54	976.0	-	0	3	15	27.0	18.2	11.8	13.9	39	976.1	280	6	6	18	4
5	16.8	12.6	8.7	11.2	58	975.3	280	6	2	15	28.2	16.4	5.8	9.2	24	974.8	300	6	5	15	5
6	18.2	12.2	6.1	9.5	45	973.6	-	0	5	20	25.8	16.4	8.6	11.2	34	974.8	030	10	5	20	6
7	16.8	12.0	7.2	10.2	55	974.3	-	0	7	15	27.8	16.6	6.9	10.0	27	973.8	340	6	7	20	7
8	15.2	10.0	4.0	8.2	48	973.5	-	0	7	20	26.8	15.4	4.4	8.4	24	973.7	260	7	6	30	8
9	18.0	14.4	11.4	13.7	66	974.9	-	0	8	10	21.4	15.6	11.0	13.2	52	974.4	040	8	7	20	9
10	17.2	14.4	12.2	14.3	73	973.0	-	0	7	20	22.2	16.2	11.6	13.7	51	973.9	180	10	8	20	10
11	15.8	14.4	13.3	15.3	85	972.6	240	6	8	30	17.2	15.8	14.8	16.9	86	973.0	180	9	8	20	11
12	14.6	14.0	13.6	15.6	93	974.4	-	0	7	15	20.2	16.4	13.7	15.7	66	974.5	300	12	2	30	12
13	13.0	12.4	11.6	13.6	93	974.8	310	5	0	15	20.8	15.8	11.9	14.0	57	974.2	260	2	1	20	13
14	12.0	11.0	10.0	12.4	88	971.9	-	0	1	10	21.4	15.4	10.5	12.7	50	972.3	270	4	4	15	14
15	12.2	10.9	9.7	12.1	85	973.3	-	0	1	20	21.1	14.8	9.4	11.9	48	973.0	-	0	0	14	15
16	12.4	10.8	9.2	11.7	81	975.8	-	0	0	10	25.1	16.0	8.3	11.0	32	975.3	170	4	0	12	16
17	13.8	11.2	8.7	11.3	72	975.4	-	0	4	15	24.8	15.4	6.9	10.0	32	974.8	190	5	2	20	17
18	14.4	11.4	8.4	11.1	68	975.0	-	0	2	16	21.8	14.6	8.2	10.9	42	976.5	180	6	2	2[illegible]	18
19	12.8	10.8	8.7	11.3	76	977.1	-	0	2	12	21.6	14.0	5.8	9.3	39	977.9	-	0	1	[illegible]	19
20	14.6	10.2	5.3	8.9	54	975.8	-	0	7	16	20.1	13.0	5.9	9.3	39	976.3	-	0	7	20	20
21	10.8	12.2	5.3	9.0	42	974.0	040	6	6	20	25.6	16.4	8.7	11.3	34	973.5	220	6	6	20	21
22	22.0	14.3	7.2	10.2	39	967.7	110	20	4	20	20.0	16.2	13.4	15.4	65	969.5	100	6	8	12	22
23	13.4	12.0	10.8	13.0	84	971.2	290	6	8	6	12.0	10.8	9.6	12.0	85	972.6	290	6	8	10	23
24	8.4	7.4	6.2	9.5	86	976.7	-	0	6	12	13.7	7.4	-1.7	5.3	34	978.7	-	0	1	15	24
25	4.6	4.2	3.6	8.0	94	980.7	-	0	0	10	14.4	9.0	2.2	7.2	43	980.4	320	2	0	15	25
26	6.4	5.0	2.9	7.6	79	976.9	-	0	7	15	15.4	10.8	5.8	9.3	53	976.4	-	0	3	12	26
27	5.0	4.6	4.0	8.2	94	974.9	-	0	0	6	17.4	12.3	7.3	10.2	52	974.9	-	0	1	5	27
28	7.2	6.4	5.4	9.0	89	976.7	-	0	2	8	16.8	11.8	6.7	9.9	52	977.8	180	2	3	8	28
29	7.0	5.4	3.3	7.8	77	981.6	-	0	1	8	15.6	10.3	4.3	8.3	47	982.5	-	0	2	5	29
30	6.8	5.2	2.9	7.6	76	982.2	-	0	0	12	17.2	11.2	4.7	8.5	44	982.3	280	2	0	15	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 32°00' N Long: 49°15' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
24.6	15.2	6.7	9.8	32	976.9	270	2	7	30		30.2	17.0	15.0	62.8	220	11	0	P.Cloudy	1
24.4	17.0	11.4	13.5	44	977.2	-	0	3	20		29.8	17.5	13.4	61.2	270	14	0	"	2
25.0	17.4	11.7	13.8	43	975.9	-	0	6	15		28.6	16.3	11.7	59.8	330	18	0	Fair.	3
24.4	17.0	11.4	13.5	44	975.2	270	6	6	15		28.4	16.5	12.0	65.0	280	12	0	P.Cloudy.	4
24.6	14.8	5.4	9.0	29	972.7	330	4	5	20		29.6	15.5	10.5	63.3			0	"	5
23.8	15.2	7.5	10.4	35	973.5	-	0	3	30		28.0	17.2	13.1	65.0	030	16	Tr.	Rainsh.	6
23.0	14.2	5.8	9.2	33	972.6	-	0	8	30		28.2	16.0	11.2	66.2	360	15	0	Cloudy.	7
22.0	14.2	6.9	10.0	38	973.1	-	0	8	30		27.7	15.0	9.0	61.8	280	14	0	"	8
20.6	15.6	11.7	13.8	57	973.1	090	5	8	30		22.9	17.4	15.6	60.2	160	13	Tr.	Rain.	9
21.4	15.0	9.6	11.9	47	972.1	200	2	8	20		24.1	16.6	13.0	51.8	280	17	0	Th.storm.	10
16.4	15.6	15.0	17.1	91	972.9	-	0	7	20		21.3	14.8	13.0	40.2	280	12	16.5	Rainsh.	11
18.1	15.1	12.8	14.8	71	974.2	300	5	1	30		21.9	14.0	12.7	56.5	360	11	0	P.Cloudy.	12
18.8	15.4	12.8	14.8	68	972.8	330	4	1	30		23.2	12.0	10.2	55.5	350	11	0	Mist.	13
18.2	13.5	9.2	11.7	56	972.8	-	0	4	20		22.5	11.5	8.0	54.5	340	11	0	"	14
19.0	13.6	8.7	11.3	51	974.1	340	4	0	30		24.0	11.6	8.3	55.7	280	8	0	"	15
20.0	14.1	8.8	11.5	48	974.3	-	0	0	20		26.2	12.0	8.3	54.6	270	11	0	"	16
20.2	14.2	8.8	11.4	48	974.2	280	2	1	20		25.5	13.6	10.0	57.0	270	12	0	Fair.	17
18.4	14.4	11.7	13.3	63	975.7	-	0	1	20		24.0	13.5	10.1	55.4	-	0	0	"	18
18.6	12.3	5.9	9.3	43	976.1	-	0	5	25		23.0	11.6	7.4	57.0	280	12	0	Mist.	19
19.9	12.5	4.7	8.6	37	974.9	100	5	4	20		21.8	13.5	10.2	52.2	280	8	Tr.	Cloudy.	20
22.2	15.2	9.2	11.6	43	971.5	-	0	2	20		26.8	13.6	10.6	57.1	180	11	0	P.Cloudy.	21
17.8	16.6	15.8	18.0	88	968.8	120	12	8	6		22.5	16.5	14.1	38.0	130	30	9.8	Th storm.	22
11.9	10.5	9.3	11.7	84	972.7	340	10	6	12		18.2	12.8	12.2	24.0	270	17	13.8	Rain.	23
9.2	7.3	4.9	8.8	75	979.0	-	0	0	6		14.3	8.0	7.1	50.7			0	Haze.	24
10.8	8.4	5.6	9.2	71	979.6	-	0	0	15		16.2	3.6	1.0	49.8			0	Mist.	25
10.2	8.4	6.4	9.6	77	975.9	-	0	2	15		17.1	4.6	1.8	54.0	240	7	0	"	26
12.8	10.2	7.5	10.4	70	975.0	-	0	4	15		19.2	4.5	1.1	50.7	210	9	0	Fog.	27
12.6	8.4	3.2	7.7	53	978.4	-	0	4	15		18.0	6.8	6.8	54.3	270	9	0	Mist.	28
12.4	8.4	3.4	7.9	55	982.2	290	2	0	15		17.5	6.2	2.6	53.0			0	"	29
12.8	7.8	1.1	6.6	45	981.0	330	5	0	15		19.4	6.1	2.6	52.3	290	14	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

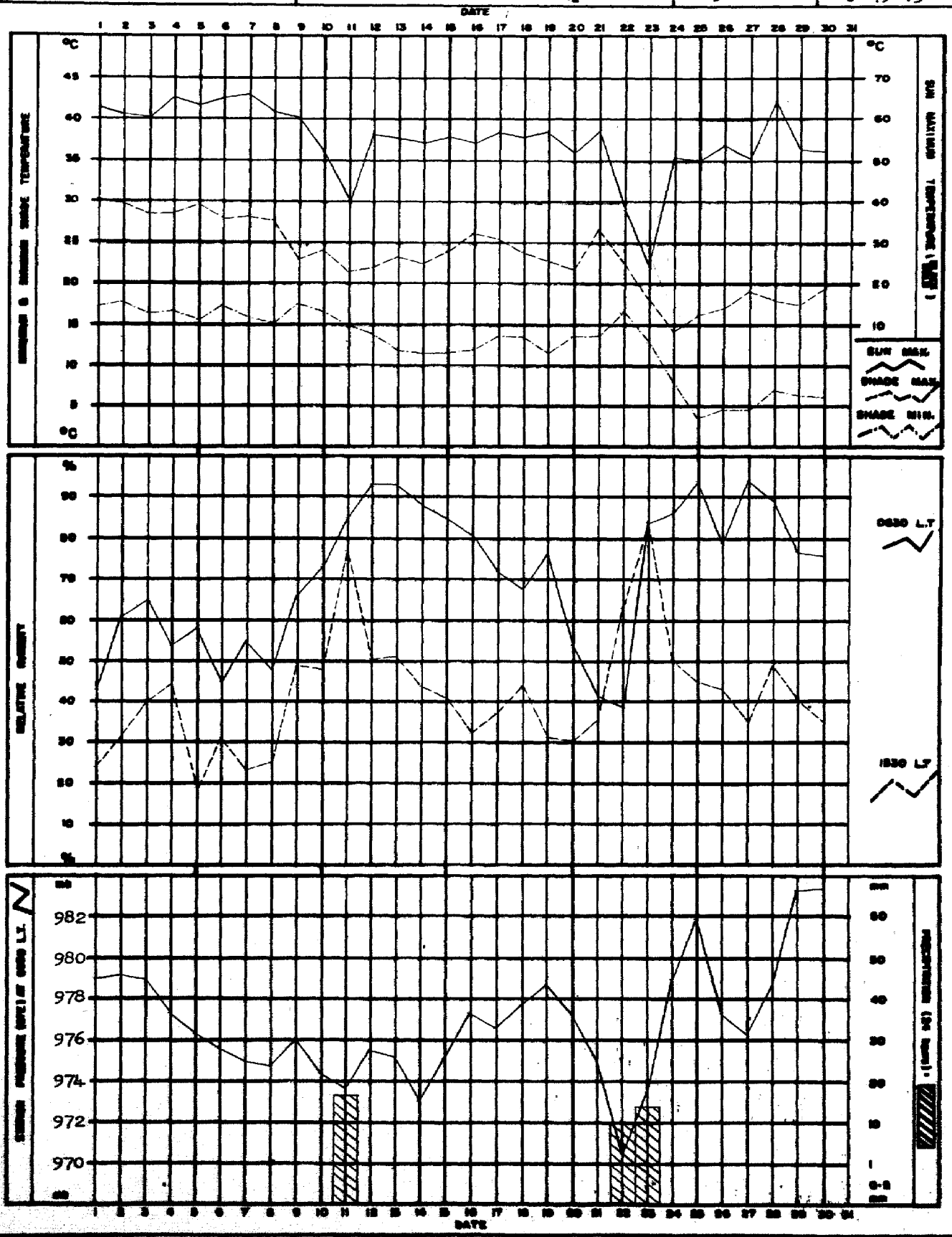
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

//Z.

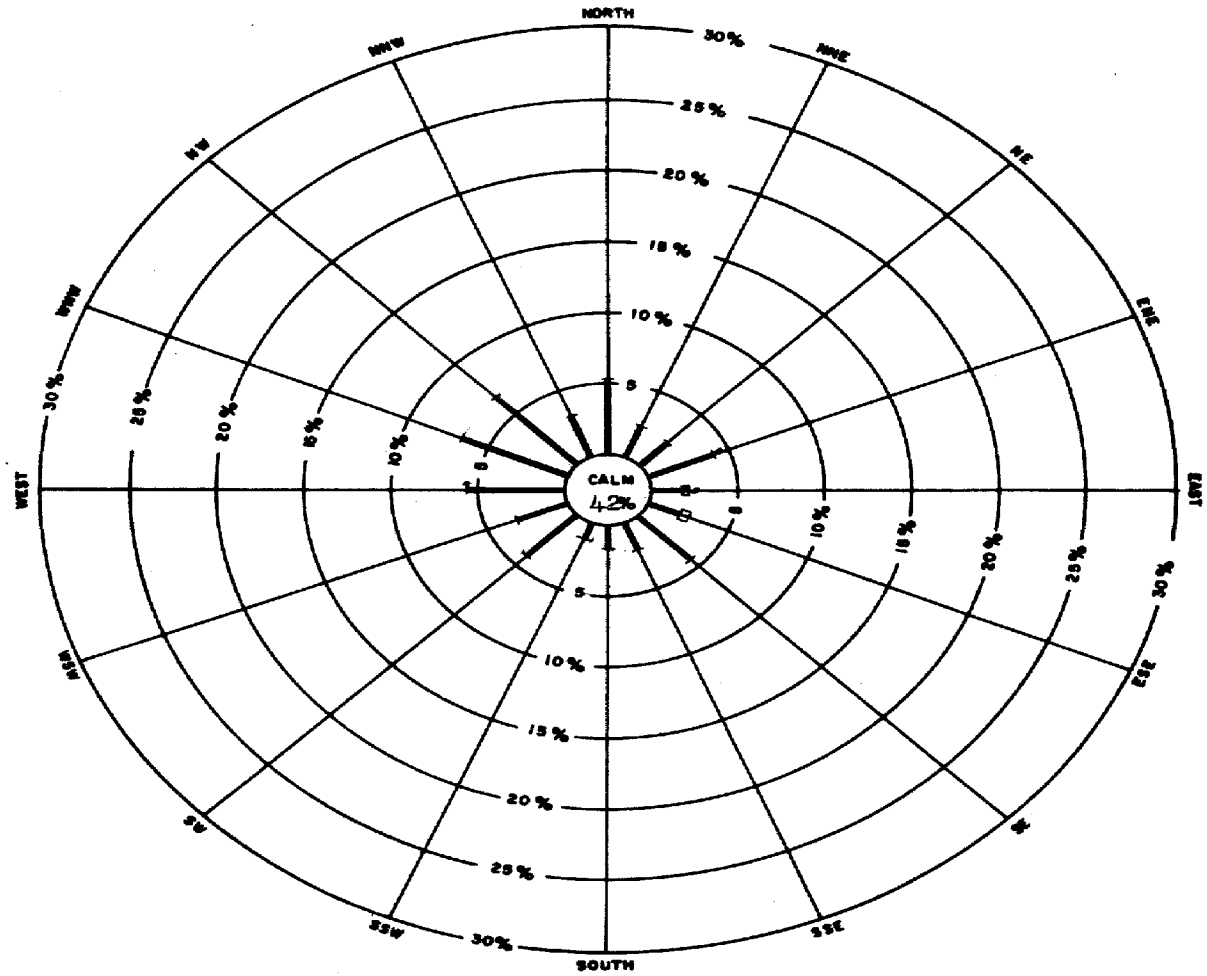
Met. Form 34

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



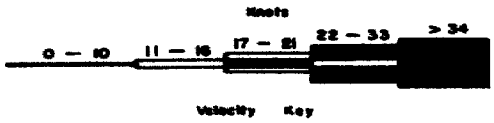
Met. Form 4

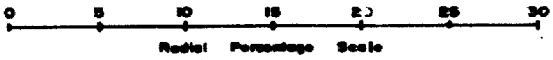
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: November	Year: 1961
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Hours in month 720

Hours recorded 699





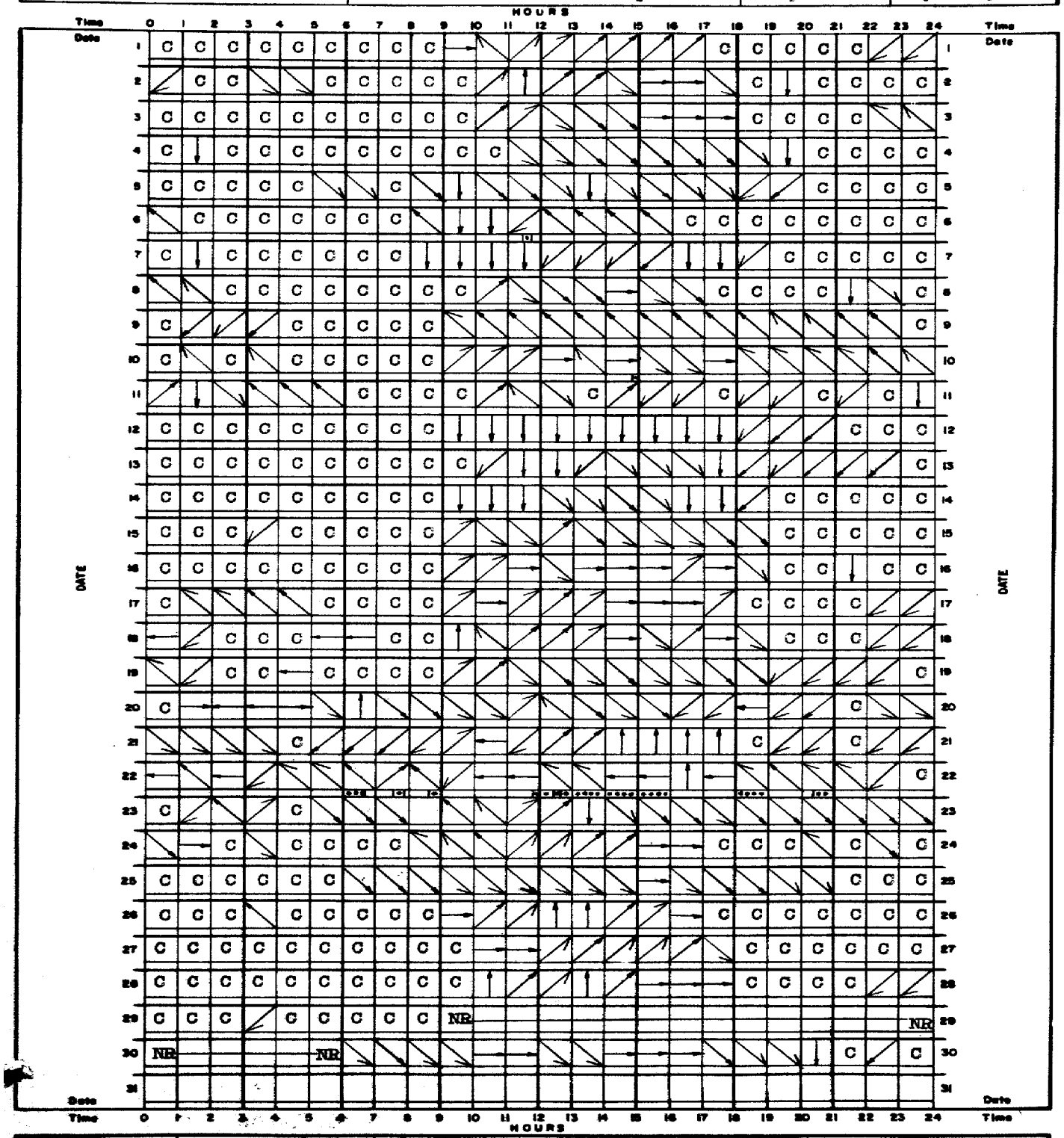
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 8

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Masjid-i-Suleiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Velocity Key

C Calm

1 – 10 Knots

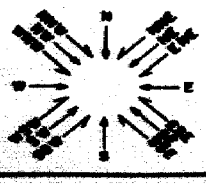
11 – 16

17 – 21

22 – 28

> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°36' N Long: 49°50' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1						1016.8	–	0			32.1	20.2	12.1	14.2	30	1017.6	150	9	0	15	1
2						1017.44	–	0			31.2	20.2	13.0	14.9	33	1017.4	180	8	1	15	2
3						1017.3										1016.9					3
4	17.5	15.2	13.5	15.5	77	1015.8	–	0	3	15	30.4	19.5	11.9	14.0	32	1015.9	150	6	5	15	4
5	15.0	11.2	7.3	10.3	60	1015.0	–	0	3	15	29.4	19.3	12.3	14.3	35	1014.6	140	7	4	15	5
6	16.1	11.1	5.8	9.2	50	1013.3	150	8	4	15	30.7	17.8	7.1	10.1	23	1013.5	240	8	6	15	6
7	15.1	10.5	5.4	9.0	53	1013.3	170	7	3	15	31.7	18.9	9.1	11.6	25	1012.7	270	14	3	15	7
8						1012.6	–	0			29.4	16.7	5.3	8.9	22	1013.2	300	8	7	15	8
9						1013.6	340	10								1015.1	360	9			9
10						1013.2	–	0								1014.1	200	8			10
11						1012.7	120	6			16.8	16.4	16.1	18.3	95	1014.3	150	15	8	10	11
12	11.9	11.0	10.3	12.4	90	1013.8	–	0	0	15	23.0	17.9	14.4	16.5	59	1014.7	–	0	1	15	12
13	12.6	11.8	11.6	13.2	87	1015.4	–	0	0	4	22.8	17.8	14.3	16.4	60	1014.6	–	0	0	10	13
14	11.4	10.2	8.9	11.5	85	1012.5	–	0	0	10	20.4	15.5	11.6	13.7	57	1013.3	180	6	1	12	14
15	12.2	11.0	9.8	12.2	86	1013.7	–	0	0	17	23.0	18.5	15.6	17.8	63	1015.6	–	0	0	20	15
16	12.3	11.0	9.8	12.1	85	1015.7	–	0	0	20	25.2	17.8	12.5	14.5	45	1015.5	200	8	1	20	16
17	14.0	12.2	10.6	12.8	80	1015.8	–	0	1	20	24.5	17.5	12.4	14.4	47	1015.9	220	10	2	30	17
18	13.2	11.4	9.7	12.1	80	1016.3	–	0	0	20	22.8	17.4	13.6	15.6	56	1017.1	270	4	0	25	18
19	11.0	9.0	6.8	9.9	75	1017.5	230	6	0	15	24.6	15.4	7.2	10.2	33	1018.3	160	6	1	30	19
20	15.1	12.1	8.9	11.4	65	1016.1	–	0	6	20	23.9	15.0	6.8	10.0	34	1016.4	300	8	5	20	20
21	15.4	12.5	9.8	12.2	70	1013.5	–	0	1	30	29.0	17.5	8.1	10.8	27	1013.0	010	6	3	30	21
22	20.6	16.8	14.1	16.2	67	1008.6	090	10	4	20	30.4	21.0	15.3	17.4	40	1009.0	140	20	4	7	22
23	14.0	12.5	11.2	13.3	83	1012.8	300	15	8	8	15.0	11.0	6.9	10.0	59	1013.4	320	10	8	10	23
24	8.0	5.5	1.7	7.0	65	1018.3	340	8	7	10	11.6	7.0	0.6	6.4	47	1021.6	320	16	7	6	24
25	2.0	0.5	-2.3	5.1	72	1022.8	–	0	0	6	11.5	7.2	1.2	6.8	50	1022.6	320	4	0	6	25
26	3.4	1.5	-1.7	5.2	67	1019.0	300	3	5	10	13.0	8.0	1.2	6.8	45	1019.4	–	0	7	6	26
27	4.6	4.2	1.1	6.6	78	1016.5	–	0	0	14	16.3	8.9	-1.2	5.5	30	1016.9	–	0	0	15	27
28	6.2	4.5	2.2	7.2	76	1018.2	–	0	3	20	19.2	10.5	-0.9	5.8	26	1019.5	290	6	4	30	28
29	4.2	2.7	0.1	6.2	75	1023.3	–	0	0	15	16.5	9.2	-0.7	5.8	31	1024.7	270	6	1	20	29
30	3.5	2.1	-0.3	6.0	77	1023.9	–	0	0	20	15.5	9.0	0.4	6.3	36	1024.2	280	4	0	15	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°36' N Long: 49°50' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
		Humidity				Wind													
Shade Temperature	Wet Bulb Temperature	Dew Point Temperature	Vapour Pressure	Relative Humidity	Station Pressure (QFE)	Direction	Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
					1016.4	–	0				33.0	14.2		66.5	200	18	0	Fair.	1
					1016.6							14.1					0	–	2
					1015.5												0	–	3
					1013.9						31.8	15.7	68.0	68.0	150	7	0	P.Cloudy.	4
29.0	17.2	7.2	10.2	25	1012.5	270	6	5	15		31.7	14.3		62.0	270	8	0	"	5
28.0	17.0	7.8	10.6	28	1012.5	240	6	3	15		31.9	15.3		60.0	300	15	0	"	6
29.1	15.6	1.7	6.9	17	1011.7	300	12	7	15		32.0	14.6		61.0	320	20	0	"	7
27.0	15.6	4.8	8.6	24	1012.3	300	6	8	15		29.7	13.2		56.0	270	33	0	Cloudy.	8
					1013.0	–	0				28.0	17.0		68.0	310	18	0	–	9
					1011.9	200	3				27.6	15.0		62.5	200	35	0	–	10
18.0	15.4	13.4	15.3	74	1013.0	180	10	7	16		19.4	16.0		58.6	130	27	24.0	Rain.	11
20.6	16.2	13.0	14.7	61	1014.3	280	12	1	15		25.0	11.5		59.2	290	17	0	Fair.	12
21.2	15.1	10.0	12.3	49	1012.7	280	8	1	12		25.0	11.9		57.8	280	14	0	Mist.	13
20.1	14.6	10.0	12.3	52	1012.9	230	6	3	15		23.6	10.5		58.0	290	8	0	Fair.	14
21.6	15.0	9.4	11.8	46	1014.4	300	10	0	20		25.7	11.2		62.0	360	10	0	Clear.	15
22.0	15.8	10.8	13.0	49	1014.1	–	0	0	20		27.2	11.4		63.0	270	4	0	"	16
21.7	16.0	11.6	13.7	53	1014.6	–	0	1	30		25.2	11.2		62.0	230	11	0	Fair.	17
23.2	15.2	8.2	10.9	38	1015.9	–	0	1	25		26.1	11.8		62.6	270	10	0	Clear.	18
22.2	15.0	8.7	11.3	42	1015.2	250	10	5	30		26.5	9.7		62.0	300	16	0	Fair.	19
24.3	15.8	8.6	11.2	37	1014.7	–	0	2	30		27.5	14.8		66.0	300	19	Tr.	Rain.	20
24.7	16.0	8.6	11.3	36	1010.8	280	5	3	25		30.4	14.5		63.1	190	16	0	Fair.	21
26.2	17.6	11.2	13.3	39	1006.8	150	10	7	20		30.4	17.6		65.6	170	29	0.5	Haze.	22
13.4	11.0	8.7	11.3	73	1014.0	350	6	7	20		26.4	12.4		26.6	300	27	5.9	Rain.	23
13.0	7.5	-0.3	6.0	40	1020.4	320	6	0	6		16.0	7.0		52.6	310	24	0	Mist.	24
15.0	9.0	1.2	6.8	40	1019.5	320	6	0	10		18.0	0.7		54.2	310	23	0	"	25
12.4	8.6	4.0	8.2	57	1017.3	–	0	4	20		16.0	1.7		59.0	300	4	0	"	26
14.6	9.2	2.6	7.3	44	1016.0	300	2	2	20		19.0	2.0		57.7	250	11	0	"	27
15.8	9.5	1.7	6.9	39	1019.4	–	0	2	25		20.1	4.9		58.8	260	14	0	Fair.	28
14.0	10.0	1.2	6.7	35	1023.4	290	7	0	30		20.2	2.9		58.0	300	14	0	"	29
15.0	8.8	0.6	6.4	38	1021.7	300	4	0	20		17.0	2.1		58.0	360	17	0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

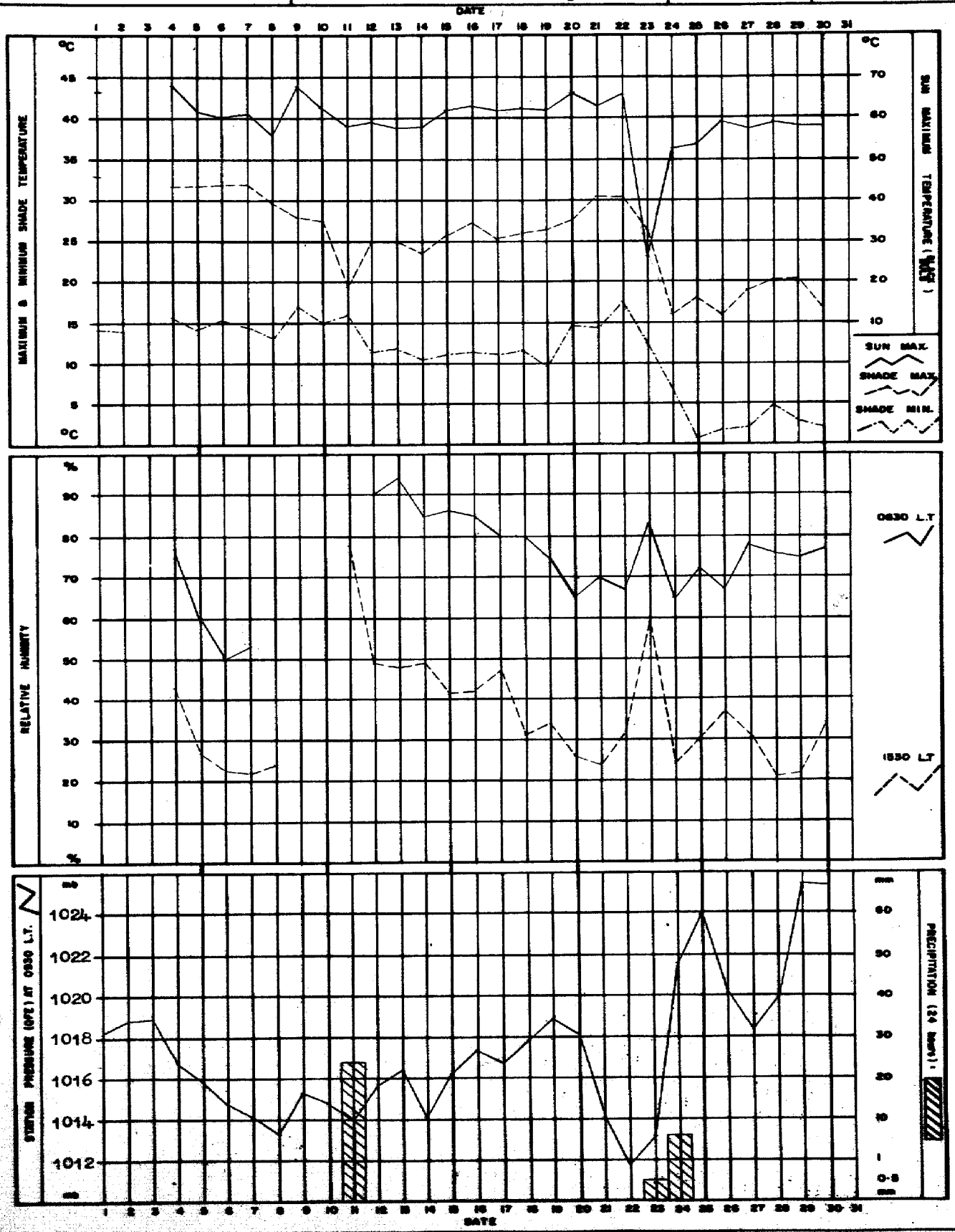
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3b

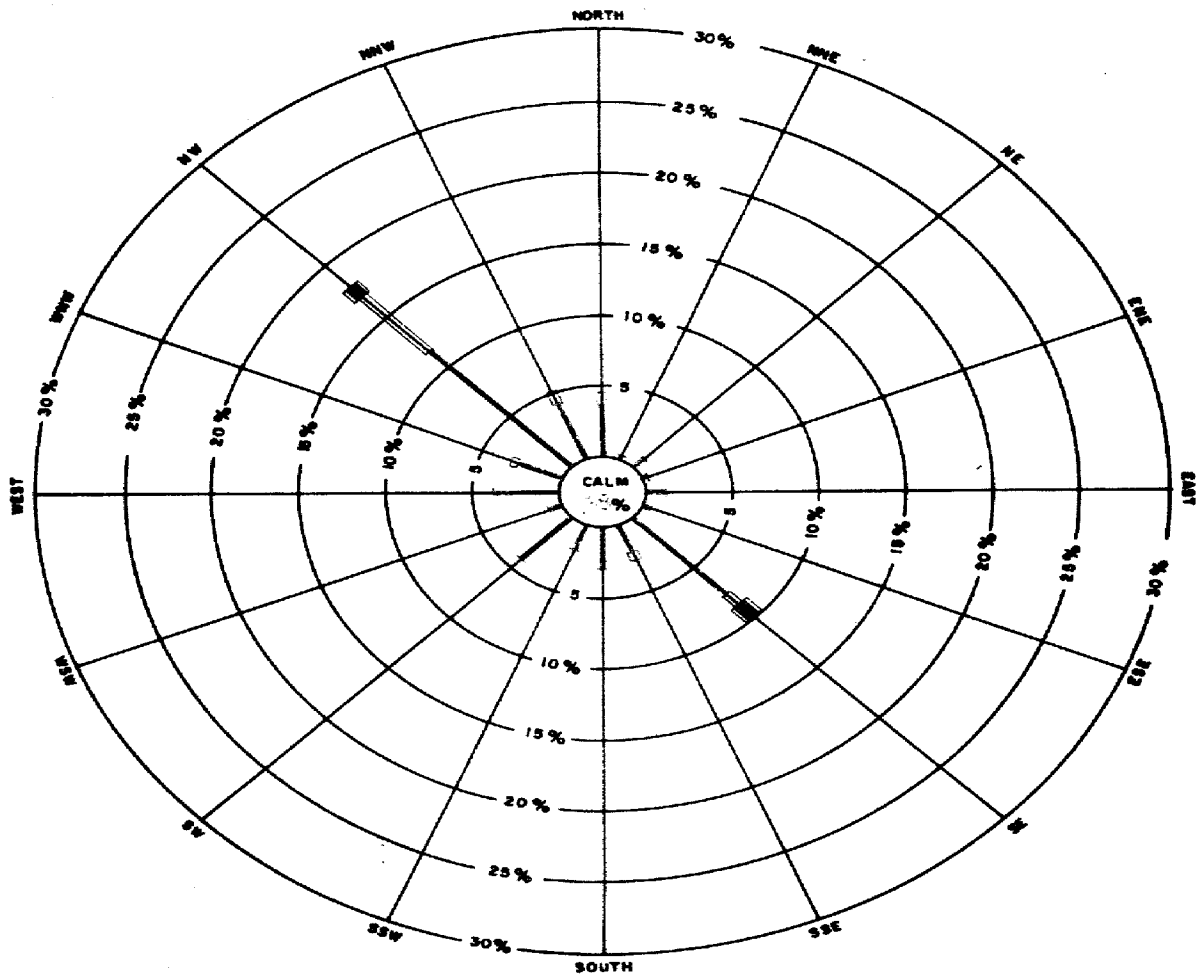
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Met. Form 4

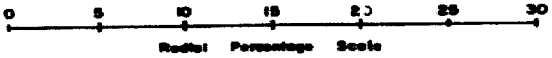
118.

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: November	Year: 1961
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Hours in month 720

Hours recorded 673

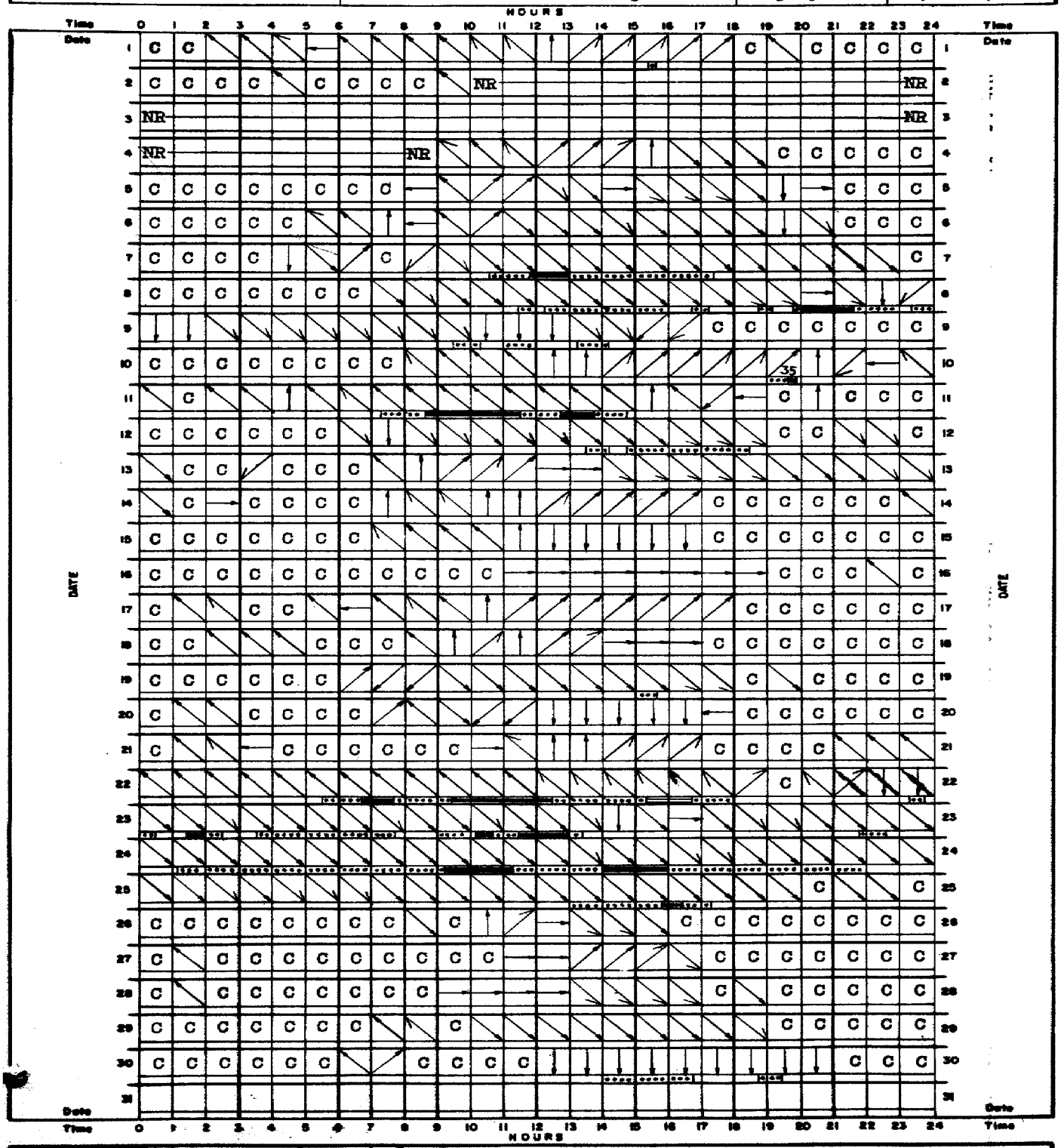


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

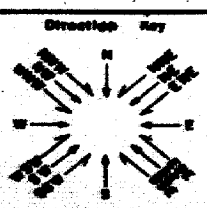
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N	Long: 49°50' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: November Year: 1961
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Gach Saran. Lat: 30°21' N Long: 50°48' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	12.4	8.0	2.3	7.2	50	937.7	–	0	4	16	27.2	15.2	3.2	7.7	21	938.0	180	3	5	20	1
2	14.2	10.6	6.8	9.9	61	937.8	140	3	3	16	26.0	15.5	5.8	9.2	27	937.5	210	5	3	20	2
3	12.0	9.2	6.1	9.4	67	937.7	–	0	0	15	25.4	15.0	5.1	8.8	27	937.1	260	2	1	20	3
4	12.7	10.2	7.7	10.5	72	936.3	130	2	1	16	26.0	14.8	3.4	7.9	23	936.1	180	6	3	20	4
5	10.6	8.0	4.7	8.6	67	935.2	–	0	1	18	25.6	13.6	−0.3	6.0	18	934.6	300	7	1	20	5
6	11.1	7.0	1.4	6.8	52	934.0	–	0	3	18	26.4	14.0	0.0	6.1	18	933.5	280	15	3	20	6
7	12.0	8.2	3.5	7.9	56	933.7	–	0	4	20	26.6	13.8	−1.1	5.6	16	933.0	310	15	4	15	7
8	11.0	7.2	2.2	7.2	55	933.6	–	0	1	20	26.0	14.0	0.6	6.4	19	933.1	280	9	7	16	8
9	16.0	13.2	10.8	13.0	72	933.6	120	5	7	14	23.6	14.2	5.1	8.8	30	933.3	180	6	6	20	9
10	12.2	10.4	8.6	11.2	79	933.0	–	0	4	20	20.4	14.0	8.2	10.9	45	933.7	150	9	7	25	10
11	14.7	12.4	10.3	12.6	75	933.1	130	7	8	30	15.6	13.0	10.7	12.9	73	933.2	110	13	8	20	11
12	9.6	8.8	7.9	10.7	90	933.4	–	0	1	30	20.5	13.8	7.6	10.4	43	933.4	240	3	3	30	12
13	9.2	8.6	7.9	10.7	92	934.1	–	0	0	10	19.3	14.7	10.9	13.1	58	932.9	270	6	4	18	13
14	8.1	7.8	7.4	10.4	96	931.5	–	0	0	0.2	19.5	14.4	10.1	12.3	54	931.7	–	0	5	10	14
15	8.0	7.4	6.7	9.8	91	933.1	–	0	0	12	22.2	12.6	1.7	6.9	26	933.8	180	9	2	20	15
16	10.2	8.8	7.3	10.2	82	935.5	130	6	1	20	22.7	13.3	3.4	7.8	28	935.0	090	5	4	25	16
17	9.8	9.0	8.2	10.9	90	935.2	–	0	1	12	21.7	13.5	5.3	8.9	34	934.9	140	5	5	20	17
18	9.8	9.2	8.6	11.2	93	935.4	–	0	1	8	20.5	13.8	7.5	10.4	43	935.9	190	7	1	20	18
19	7.4	6.0	4.2	8.3	81	936.0	–	0	0	14	19.8	11.8	2.8	7.5	32	936.0	190	3	1	20	19
20	9.1	6.6	3.3	7.7	67	935.5	–	0	2	15	20.6	12.0	2.2	7.1	29	935.2	310	2	6	20	20
21	11.5	8.2	4.3	8.3	61	934.5	–	0	2	20	23.8	14.2	4.7	8.6	29	933.6	130	5	3	25	21
22	13.5	11.4	9.4	11.8	77	931.4	140	9	5	14	23.8	14.4	5.3	8.9	30	931.4	120	6	7	20	22
23	16.6	13.0	9.8	12.1	64	930.6	150	5	8	6	19.0	14.6	11.0	13.1	60	932.0	090	16	7	18	23
24	12.1	11.8	11.5	13.6	96	933.7	270	8	8	4.5	14.4	10.9	7.3	10.3	63	935.5	270	15	7	12	24
25	2.3	1.7	0.7	6.4	89	937.8	140	2	0	12	13.4	8.1	1.0	6.6	43	937.6	340	5	0	18	25
26	2.4	1.9	1.1	6.6	91	935.5	–	0	1	20	15.2	9.1	1.3	6.7	39	935.2	170	8	6	25	26
27	3.8	3.2	2.3	7.2	90	933.9	–	0	0	20	16.8	9.4	−0.4	5.9	31	933.9	150	8	0	25	27
28	7.2	6.3	5.2	8.8	87	935.2	–	0	4	20	17.0	10.2	1.8	7.0	36	936.6	–	0	6	20	28
29	4.6	4.0	3.1	7.6	90	940.3	–	0	2	14	17.3	10.4	2.1	7.1	36	940.6	130	2	1	20	29
30	2.6	1.6	0.0	6.1	82	940.5	–	0	0	20	16.7	8.5	−3.5	4.6	24	939.7	270	7	0	20	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8
Fair: Average of cloudiness = 1/8–2/8
P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8–5/8
Cloudy: Average of cloudiness = 6/8–7/8
O-Cast: Overcast. Average of cloudiness = 8/8
Haze: Visibility reduced by dry particles
Mist: Visibility reduced by wet particles
Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Gach Saran.

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
23.0	15.4	8.9	11.4	41	937.1	270	6	5	20		27.8	11.6	10.7	62.3			0	P.Cloudy.	1
22.1	14.8	8.3	11.0	41	937.2	260	6	4	20		27.4	12.5	11.6	60.4			0	"	2
22.2	15.3	9.5	11.9	44	936.0	260	7	2	20		27.0	11.4	10.6	60.0			0	Fair.	3
21.0	14.2	8.1	10.8	43	934.8	270	6	1	20		27.0	12.3	11.2	64.3			0	"	4
22.4	12.2	-0.1	6.1	22	933.1	270	8	5	20		26.8	10.3	9.0	64.0			0	P.Cloudy.	5
22.0	13.0	3.3	7.8	29	932.9	270	9	4	15		27.6	11.1	10.0	63.8			Tr.	Rain.	6
21.8	12.5	2.1	7.1	27	932.1	280	10	6	18		27.2	11.6	10.0	63.4			0	P.Cloudy.	7
21.6	11.6	-0.9	5.7	22	932.8	270	10	8	20		26.3	10.8	9.5	60.0			0	"	8
17.7	13.5	9.8	12.1	60	933.7	330	4	7	20		24.4	16.0	15.3	63.4			Tr.	Cloudy.	9
19.2	14.8	11.3	13.4	60	932.8	220	6	7	25		22.2	11.0	10.4	58.5			0	"	10
14.4	12.0	9.9	12.2	75	933.4	130	10	8	20		19.2	13.4	12.6	45.2			12.1	Rain.	11
16.4	14.0	12.1	14.1	76	933.4	270	7	2	30		21.1	8.5	7.7	54.0			1.6	Fair.	12
15.8	13.0	10.6	12.8	72	923.3	270	7	0	20		20.1	8.8	7.7	58.5			0	"	13
15.8	11.5	7.2	10.2	57	931.9	260	6	1	15		20.1	6.8	7.6	56.3			0	Fog.	14
17.5	13.0	8.9	11.4	57	933.6	300	2	0	25		23.5	7.0	6.4	56.2			0	Fair.	15
18.3	13.0	8.0	10.8	51	934.3	-	0	3	25		24.2	8.0	7.6	61.4			0	P.Cloudy	16
17.3	13.0	9.1	11.6	59	934.3	270	6	4	20		22.8	9.5	8.0	58.0			0	"	17
16.0	9.7	1.8	7.0	39	935.4	260	5	0	25		21.5	9.2	7.6	55.1			0	Mist.	18
17.0	9.4	-0.9	5.7	29	935.3	270	9	4	20		20.6	6.4	5.0	54.7			0	Fair.	19
17.4	10.5	2.3	7.2	36	934.9	300	2	1	25		22.6	7.9	7.0	57.8			0	P.Cloudy.	20
19.3	13.1	7.1	10.1	45	932.1	-	0	1	25		24.5	9.7	8.5	59.2			0	Fair.	21
21.0	14.0	7.5	10.4	42	930.7	130	5	6	16		25.2	12.8	12.3	60.2			0.3	Cloudy.	22
15.6	14.8	14.2	16.2	92	932.6	150	8	8	6		21.0	13.2	13.2	43.0			13.6	Th.storm.	23
7.8	5.0	0.8	6.5	61	936.3	270	8	4	20		15.6	7.8	10.5	42.4			14.0	Cloudy.	24
9.4	7.4	4.9	8.7	74	937.1	270	5	0	20		15.0	1.2	1.1	50.2			0	Clear.	25
11.0	9.1	7.0	10.1	77	934.6	-	0	6	25		17.4	1.6	0.9	56.2			0	P.Cloudy.	26
12.1	8.9	5.2	8.9	63	933.8	260	5	0	25		17.6	2.0	1.4	52.1			0	Clear.	27
12.5	10.0	7.4	10.3	71	937.0	-	0	6	20		18.4	6.2	5.2	55.5			0	P.Cloudy.	28
11.7	5.8	-3.8	4.5	33	940.3	250	6	0	20		17.7	3.2	2.2	51.8			0	Fair.	29
11.4	6.4	-1.1	5.6	42	938.9	250	6	0	20		17.2	1.4	0.6	51.5			0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0-5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

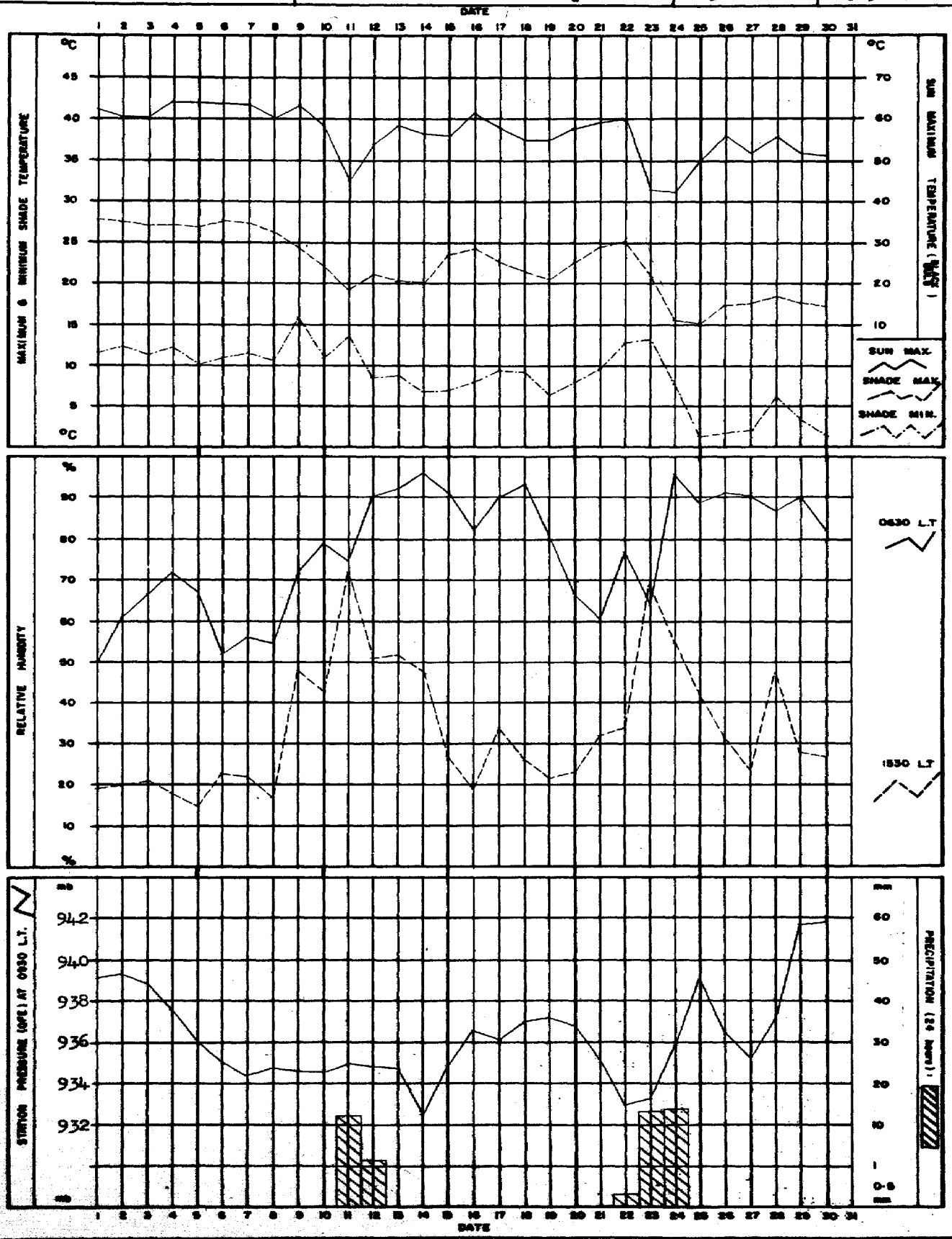
Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3a

/22.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°21' N.	Long: 50°48' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: November Year: 1961 Station Kut Abdullah.
Ground Level: 15 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°13' N Long: 48°40' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	15.0	11.4	7.8	10.6	62		090	6	0	20	31.3	21.7	16.1	18.3	40		130	10	2	20	1
2											30.8	22.1	17.2	19.7	45		140	10	3	20	2
3																					3
4	15.4	14.8	14.1	16.1	92		070	8	0	15	27.4	21.2	17.8	20.2	56		200	6	7	20	4
5	16.2	13.2	10.6	12.9	70		360	4	6	20	29.8	20.5	15.4	17.6	42		090	2	5	20	5
6	22.8	17.7	14.4	16.4	59		040	8	8	15	30.8	20.2	13.3	15.3	35		020	8	3	20	6
7	16.4	13.6	11.3	13.4	72		300	2	4	20	30.5	19.0	10.6	12.7	29		300	14	4	25	7
8	14.7	12.0	9.4	11.9	71		340	4	2	16	28.7	17.3	7.8	10.6	27		290	8	4	20	8
9	18.0	17.0	16.3	18.6	90		300	10	8	10	22.8	18.0	14.8	16.9	61		360	10	7	20	9
10																					10
11	16.6	16.2	15.9	18.0	95		040	8	8	10	17.7	17.2	16.9	19.4	95		120	20	8	10	11
12	12.8	12.8	12.8	14.8	100		300	6	0	8	21.8	18.6	16.6	18.9	72		310	8	0	20	12
13	12.6	11.8	11.1	13.3	91		270	10	0	10	22.5	18.0	15.0	17.1	63		270	8	0	15	13
14	8.6	8.4	8.3	11.0	97		300	5	0	12	21.8	16.7	13.0	15.0	58		160	3	0	15	14
15	10.3	9.4	8.4	11.1	88		–	0	1	10	24.2	17.0	11.5	13.6	45		180	4	0	10	15
16	10.0	8.4	6.6	9.6	80		180	4	0	10											16
17																					17
18	10.5	9.1	7.8	10.5	83		100	6	0	15	24.4	16.3	9.7	12.2	39		210	6	0	20	18
19	10.0	8.0	5.6	9.2	74		090	4	0	20	24.7	18.0	13.1	15.0	49		100	2	2	25	19
20	16.9	15.4	14.4	16.4	84		320	6	8	10	20.0	17.3	15.4	17.6	76		090	10	6	20	20
21	11.7	10.7	9.7	12.0	88		080	4	0	20	26.8	17.2	9.6	12.0	34		140	4	0	20	21
22	19.6	15.5	12.3	14.4	63		130	20	7	15	25.6	19.0	14.6	16.7	48		160	25	6	20	22
23	11.7	9.0	9.4	11.6	69		350	12	6	15	13.7	9.7	5.2	9.0	56		280	12	8	15	23
24																					24
25	1.8	0.0	-3.3	4.7	68		280	15	0	15	14.7	8.4	-0.1	6.0	35		270	20	0	15	25
26	2.8	1.4	-1.1	5.6	75		270	8	7	12	12.9	8.2	2.2	7.2	49		230	8	6	20	26
27	1.2	0.6	-0.6	5.9	88		–	0	0	10	14.5	9.5	3.3	7.8	48		020	6	0	20	27
28	2.0	1.1	0.5	5.9	74		300	6	0	10	16.8	10.7	3.7	8.0	41		300	4	0	20	28
29	3.5	2.0	-0.6	5.8	75		280	8	1	10	15.7	9.9	2.9	7.6	42		270	6	1	20	29
30	3.4	2.0	0.0	6.1	78		240	8	0	18	19.4	11.3	1.7	7.0	30		300	14	0	15	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1951

Station: Kut Abdullah.

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°13' N Long: 48°40' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
27.7	19.8	15.2	17.3	45		140	7	2	20		32.7	14.5	13.5	69.4			0	Fair.	1
26.0	21.2	18.6	21.4	63		130	6	4	20		31.4		13.1	69.5			0	P.Cloudy.	2
23.9	19.8	17.3	19.8	66		200	7	7	16		30.8	15.5	14.6	70.8			0	–	3
24.5	18.0	13.5	15.5	51		360	4	1	20		29.1	14.6	13.6	70.8			0	P.Cloudy.	4
26.6	18.7	13.3	15.4	44		150	7	3	12		31.3	15.4	14.0	65.6			0	"	5
25.7	19.0	14.4	16.5	50		360	4	0	20		31.5	15.8	16.2	69.6			0	"	6
26.3	17.8	11.5	13.6	40		300	10	8	20		31.2	15.8	14.5	68.3			0	"	7
25.0	16.2	8.9	11.4	35		270	8	8	20		29.1	13.9	12.7	68.2			Tr.	Rain.	8
19.7	16.4	14.1	16.1	70		210	6	0	20		25.6	17.5	16.5	64.5			2.0	"	9
22.2	17.4	14.1	16.2	60		200	6	8	20		26.5	16.9	11.7	64.7			0	–	10
17.0	16.5	16.1	18.5	95		150	6	8	20		22.2	16.4	15.7	51.4			6.8	Rain.	11
20.1	17.2	15.3	17.4	74		280	6	0	20		23.6	12.6	10.8	58.8			0	Mist.	12
19.3	14.1	9.6	11.9	53		310	12	0	20		24.9	11.8	10.8	60.8			0	Clear.	13
19.3	15.0	11.7	13.7	60		240	2	0	20		24.5	8.6	7.2	61.0			0	"	14
19.4	14.6	10.6	12.8	56		260	5	0	20		25.8	9.4	7.2	61.7			0	"	15
21.5	15.3	10.1	12.4	48		270	2	0	15		26.8	9.7	8.3	61.5			0	"	16
23.1	16.4	11.2	13.4	48		300	4	0	20		26.2	10.2	8.8	61.9			0	"	17
20.0	15.0	11.1	13.1	56		360	4	0	20		25.6	10.0	9.4	62.0			0	"	18
21.0	16.3	12.8	14.9	60		350	6	8	20		26.0	9.4	8.5	62.4			0	Fair.	19
17.3	15.7	14.6	16.7	85		360	8	0	20		22.2	15.7	15.0	62.0			3.1	Rain.	20
21.9	17.3	14.2	16.2	62		110	8	0	20		28.7	11.2	9.8	64.3			0	Clear.	21
21.1	18.0	16.0	18.2	72		200	10	7	20		27.0	16.1	15.3	64.0			1.3	Rain.	22
13.4	7.7	-0.3	5.9	39		310	20	0	15		21.3	11.4	8.8	37.3			1.2	"	23
12.3	5.8	-5.1	3.9	28		300	18	0	16		16.7	7.0	6.3	53.2			0	Clear.	24
13.2	7.3	-1.1	5.7	37		300	15	0	20		18.5	1.0	0.0	56.1			0	"	25
11.2	8.0	3.9	8.2	64		360	2	2	20		15.8	2.0	0.7	57.5			0	P.Cloudy.	26
11.3	7.7	3.2	7.7	57		310	6	0	20		17.8	0.1	-2.3	56.3			0	Clear.	27
13.7	9.9	5.6	9.3	58		270	6	0	20		19.2	0.8	-0.8	56.2			0	"	28
[illegible].3	8.8	1.7	7.0	42		300	10	0	30		20.2	2.4	0.7	56.7			0	Fair.	29
13.2	8.5	2.6	7.4	49		270	6	0	20		20.0	2.7	1.7	56.5			0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

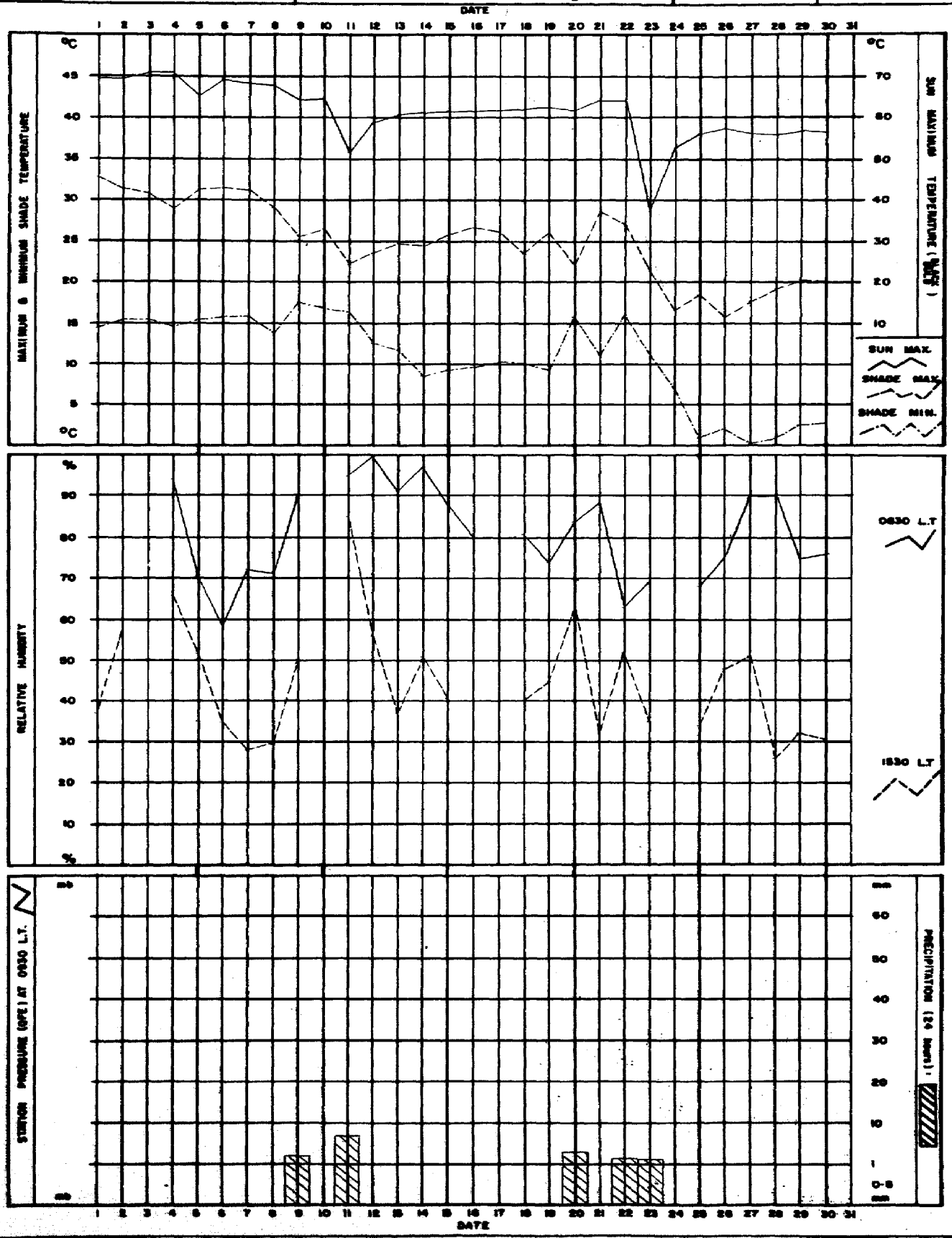
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Kut Abdullah	
Ground Level: 15 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°13' N.	Long: 48°40' E



IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: November Year: 1961
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Bandar Mashur.
		Lat: 30°33' N Long: 49°09' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	16.0	12.8	9.9	12.2	67	1017.8	070	8	2	20	29.5	23.0	19.7	22.9	56	1018.9	180	10	1	14	1
2	16.5	14.0	11.9	14.0	75	1018.4	090	4	1	20	30.2	22.8	18.9	21.9	51	1018.5	180	14	5	15	2
3	18.5	16.2	14.6	16.6	78	1018.2	080	7	2	12	29.0	22.0	18.1	20.8	52	1018.2	170	12	3	15	3
4	18.5	17.0	16.0	18.2	86	1017.0	100	4	3	15	28.0	22.2	19.1	22.2	59	1017.7	220	10	7	25	4
5	14.5	12.5	10.7	12.9	78	1016.0	–	0	0	20	27.6	20.0	15.2	17.3	47	1016.2	–	0	3	20	5
6	19.0	16.0	13.8	15.8	72	1014.7	270	8	4	15	29.3	19.0	11.7	13.8	34	1015.2	350	6	7	20	6
7	17.0	12.9	9.2	11.7	61	1014.6	320	7	2	15	30.1	18.2	8.9	11.4	27	1015.0	290	7	2	15	7
8	15.8	11.5	7.2	10.2	57	1014.4	300	6	6	30	27.1	16.2	6.5	9.7	27	1015.2	320	9	7	25	8
9	19.1	17.1	15.8	17.9	82	1015.3	340	10	8	30						1016.2	020	9			9
10						1014.7	–	0								1015.6	180	2			10
11						1013.5	130	11								1014.7	130	14			11
12	13.0	12.5	12.1	14.1	95	1015.7	–	0	1	30	22.7	18.2	15.4	17.5	65	1016.5	360	8	2	25	12
13	12.2	11.5	10.9	13.0	92	1016.5	270	5	0	25	20.5	16.8	14.2	16.2	68	1016.5	260	8	0	20	13
14	10.0	8.6	7.1	10.1	82	1014.0	270	6	0	15	19.0	14.4	10.6	12.7	58	1014.6	–	0	0	20	14
15	11.0	9.6	8.1	10.8	83	1015.2	–	0	0	20	22.2	15.6	10.2	12.5	47	1016.7	–	0	1	30	15
16	11.2	9.0	8.6	9.7	73	1017.3	310	4	1	20	23.6	15.6	8.8	11.3	39	1017.2	–	0	1	30	16
17	12.2	11.0	9.9	12.2	86	1017.2	–	0	1	25	23.4	17.4	13.1	15.1	52	1016.9	–	0	3	30	17
18	11.2	9.8	8.3	11.0	83	1018.0	–	0	1	20	24.2	17.2	12.0	14.0	46	1018.4	–	0	0	25	18
19	11.4	9.2	6.7	9.9	74	1018.9	090	4	0	20	24.0	16.0	11.8	14.0	47	1019.2	050	3	2	25	19
20	16.2	14.2	12.6	14.6	79	1017.4	060	3	6	15	24.6	18.0	13.9	15.4	49	1018.0	040	2	4	20	20
21	13.8	11.0	8.3	10.9	69	1014.9	–	0	1	20	27.0	17.0	8.8	11.4	32	1014.5	140	6	0	20	21
22	19.6	15.8	12.9	14.9	65	1009.3	120	15	4	15	26.6	22.2	19.9	23.3	67	1009.7	160	17	6	20	22
23	11.2	9.8	8.3	11.0	83	1013.5	350	13	8	15						1015.1	330	19			23
24	7.2	5.2	1.8	7.3	72	1019.3	300	14	0	12						1021.9	310	18			24
25	3.0	2.4	1.4	6.8	90	1023.7	320	16	8	12						1023.3	320	13			25
26	2.2	0.6	-2.2	5.1	71	1020.5	280	5	6	15	14.6	8.4	-0.1	6.0	36	1020.3	290	6	5	20	26
27	2.4	1.6	0.3	6.2	87	1018.0	–	0	0	20	14.6	9.2	2.5	7.3	44	1018.1	290	3	0	20	27
28	3.6	1.8	-1.2	5.5	70	1019.7	–	0	1	20	16.8	10.0	1.6	6.8	36	1021.3	300	8	1	25	28
29	3.0	0.8	-3.2	4.7	62	1025.1	300	3	1	15	18.0	10.0	-0.6	5.9	39	1025.6	320	10	1	20	29
30	2.2	0.4	-2.8	4.8	67	1025.4	270	4	0	12	17.6	10.0	0.2	6.2	31	1025.3	330	10	0	20	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Bendar Mashur.

Ground Level: 8 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°33' N | Long: 49°09' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
24.6	20.8	18.7	21.6	70	1017.7	160	9	2	20		30.7	15.5	14.1	65.0	190	18	0	Fair.	1
23.0	20.1	18.4	21.2	76	1016.7	190	10	7	15		30.6	16.3	14.9	70.2	190	14	0	P.Cloudy.	2
24.7	20.5	18.1	20.8	67	1016.8	180	8	1	25		30.4	16.4	15.0	64.8	180	12	0	"	3
26.0	21.0	18.2	20.9	63	1015.7	–	0	0	20		29.7	16.0	13.3	67.0	220	9	0	"	4
25.7	19.5	15.6	17.8	54	1013.6	210	4	6	20		30.6	14.1	13.0	64.2	040	4	0	"	5
24.2	16.0	9.2	11.7	39	1013.8	–	0	0	25		30.4	17.0	15.6	63.0	330	8	0	"	6
25.4	17.0	10.4	12.7	39	1013.4	310	4	4	20		32.5	16.0	14.8	66.2	330	24	0	"	7
25.3	17.0	10.6	12.8	40	1014.4	300	4	8	30		28.5	13.9	12.8	59.0	270	33	0	Cloudy.	8
					1014.6	–	0				25.3	15.4	14.7	59.0	360	22	0.	–	9
					1014.0	260	9				26.0	12.0	11.8	59.0	270	13	0	–	10
18.0	16.5	15.5	17.6	86	1013.2	060	6	7	20		28.0	16.5	16.2	35.0	170	32	15.3	Th.Storm.	11
20.4	18.0	16.4	18.7	78	1015.7	320	4	1	25		24.0	12.6	12.9	61.2	330	14	0	Fair.	12
20.6	14.0	8.0	10.7	44	1014.6	290	2	1	20		25.6	11.8	11.4	60.0	320	18	0	Clear.	13
19.4	15.4	12.3	14.3	64	1014.3	–	0	1	20		22.5	9.7	8.6	54.5	280	12	0	"	14
20.6	15.2	10.8	13.0	53	1015.3	–	0	0	30		25.0	9.9	9.4	58.2	–	0	0	"	15
20.5	16.6	13.8	15.8	66	1015.9	–	0	0	30		26.4	10.8	10.4	59.4	240	7	0	Fair.	16
20.4	16.8	14.3	16.3	69	1015.9	–	0	3	30		24.8	11.8	10.2	57.6	200	10	0	"	17
21.8	16.6	12.7	14.7	56	1017.3	–	0	0	30		26.0	10.4	9.8	59.0	–	0	0	Clear.	18
22.4	17.2	13.4	15.5	57	1017.6	–	0	5	25		26.2	10.8	9.8	60.8	200	8	0	P.Cloudy.	19
21.8	15.0	9.2	11.6	44	1015.9	–	0	1	20		26.2	16.2	14.8	66.0	360	15	0	"	20
25.0	17.6	12.2	14.2	45	1011.9	130	2	5	20		28.2	13.5	12.4	61.7	150	13	0	Fair.	21
24.4	20.4	18.1	20.8	68	1009.8	190	2	7	20		28.8	18.8	12.7	63.7	160	28	Tr.	Rain.	22
14.4	12.0	9.7	12.1	74	1015.6	340	6	6	12		24.7	11.0	9.8	57.2	330	26	4.8	"	23
15.2	11.0	6.8	9.8	57	1021.8	300	8	0	14		19.0	6.0	5.8	56.8	360	29	0	Clear.	24
13.0	11.6	10.3	12.6	85	1021.2	330	10	0	15		19.8	2.8	2.4	57.0	330	19	0	–	25
13.4	8.8	3.1	7.6	50	1018.8	–	0	7	20		18.7	1.4	1.0	56.2	310	12	0	Cloudy.	26
12.8	7.6	0.4	6.3	43	1017.3	–	0	3	20		18.0	1.7	1.2	57.0	300	4	0	Fair.	27
13.2	7.8	0.4	6.3	42	1021.3	280	5	1	30		20.0	3.0	2.5	55.8	290	14	0	"	28
12.8	7.4	-0.1	6.0	41	1024.6	310	3	0	30		20.0	2.2	2.0	52.5	300	16	0	"	29
13.2	7.8	0.4	6.3	42	1023.6	310	3	0	20		20.6	2.0	1.7	51.8	290	19	0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

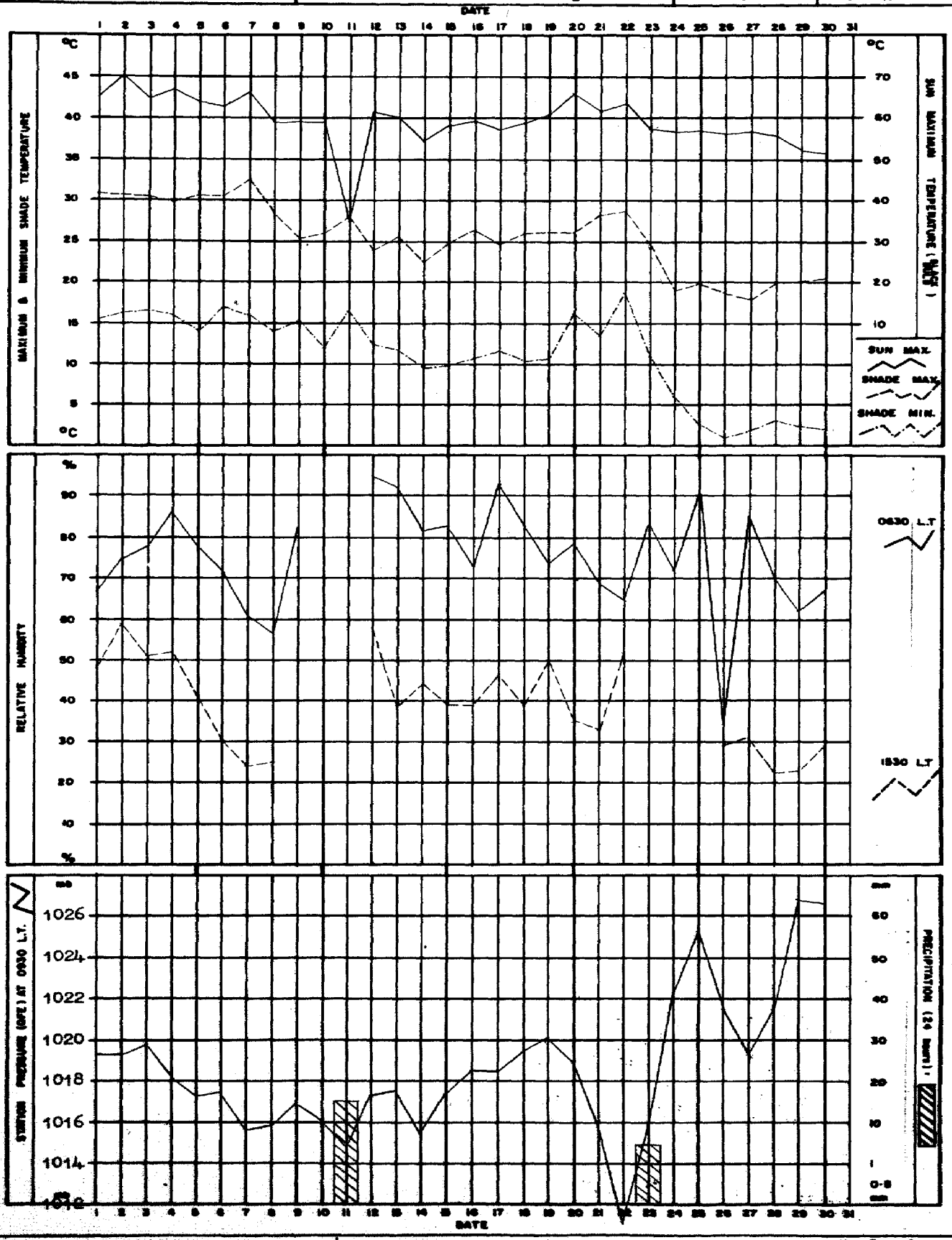
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

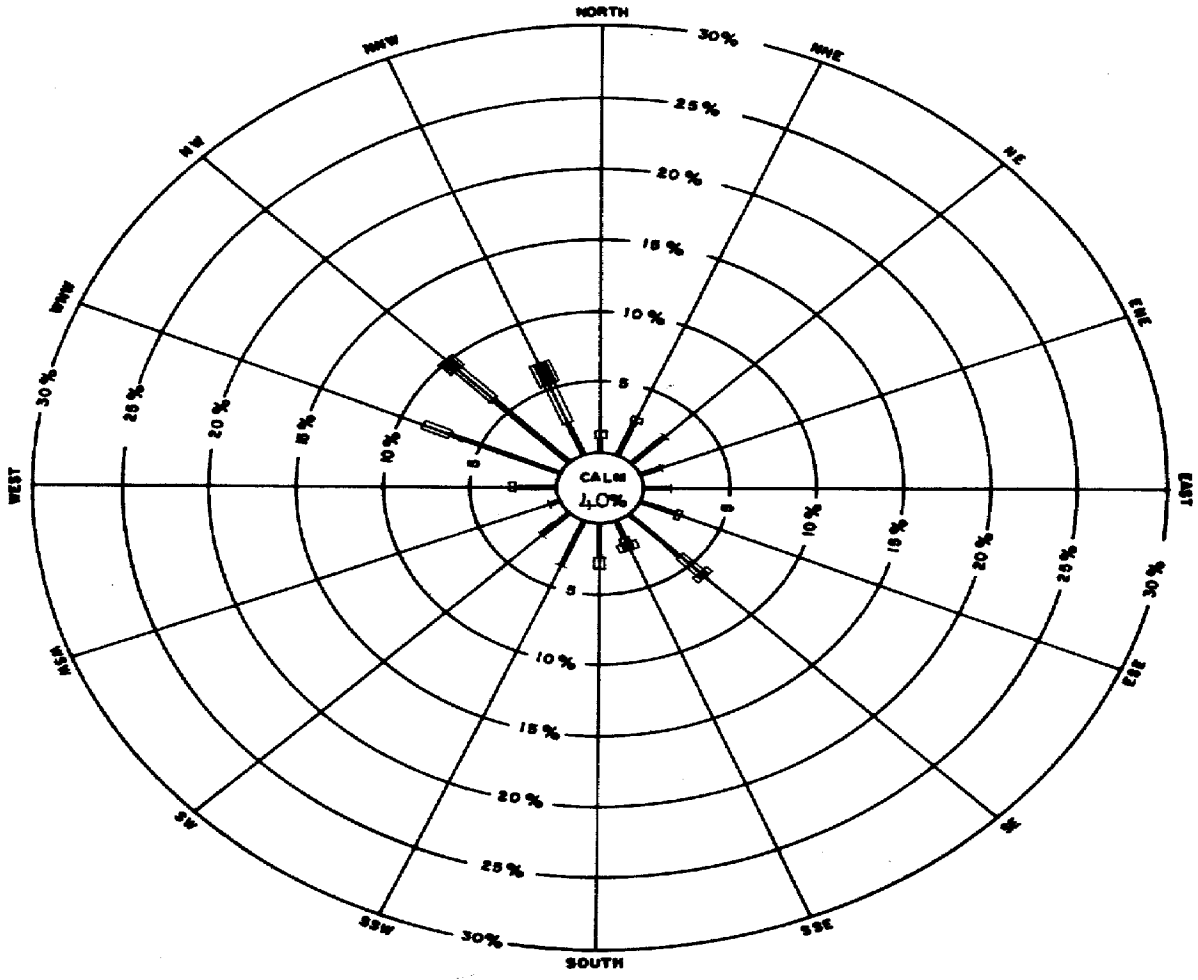
128.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



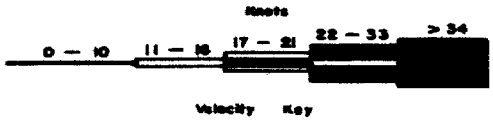
Met. Form 4

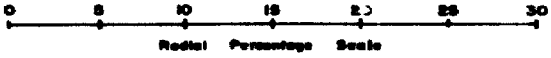
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: November	Year: 1961
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Hours in month 720

Hours recorded 696





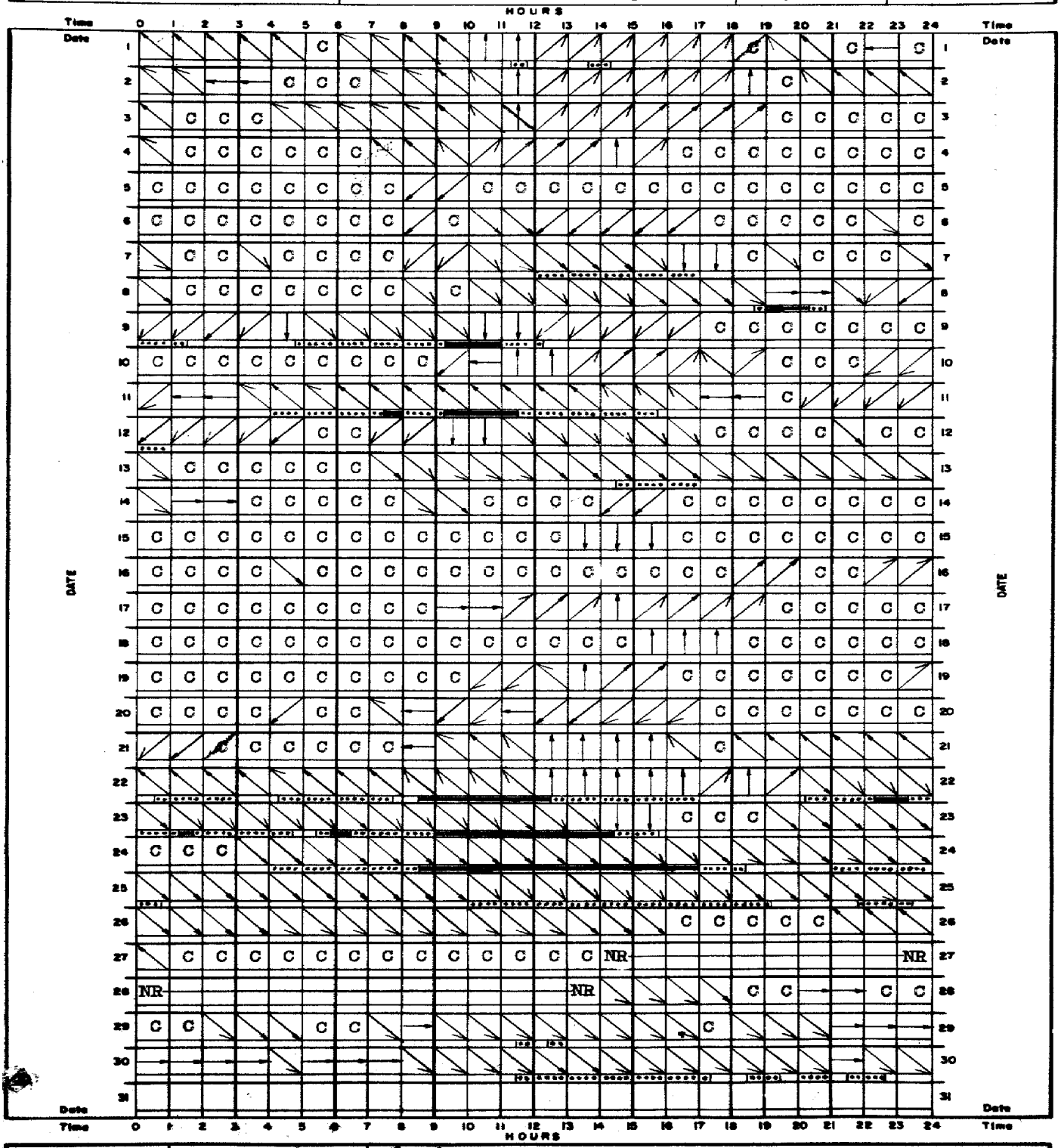
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 6

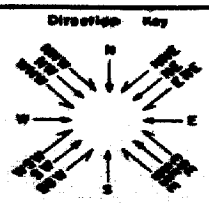
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 5

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1951

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	25.2	22.4	21.0	24.9	79	1018.1	150	8	4	20	30.0	22.0	17.6	20.1	48	1019.2	150	5	2	20	1
2	25.4	21.6	19.6	22.8	70	1019.0	100	3	1	20	29.0	22.4	18.9	21.8	54	1019.3	100	7	5	20	2
3	24.4	22.2	21.1	25.0	82	1018.8	120	8	0	20	27.6	22.6	20.0	23.4	63	1018.6	100	8	0	25	3
4	21.6	20.6	20.1	23.5	91	1017.7	–	0	2	20	28.4	22.0	18.5	21.3	55	1017.7	100	2	0	20	4
5	20.4	20.0	19.7	23.0	96	1016.2	020	2	4	20	27.2	23.2	21.2	25.3	70	1016.2	330	5	4	25	5
6	20.6	20.0	19.7	22.9	94	1015.0	–	0	3	20	27.0	22.2	19.7	23.0	64	1015.5	350	5	7	20	6
7	25.4	20.8	18.2	20.9	64	1014.4	350	12	5	20	29.2	22.0	18.1	20.7	51	1014.3	320	14	6	20	7
8	25.2	20.4	17.6	20.1	63	1014.2	350	10	4	20	29.2	20.2	14.4	16.5	41	1014.8	360	8	4	20	8
9	25.0	18.8	14.7	16.8	53	1014.3	120	13	7	20	21.6	19.4	18.1	20.8	80	1016.0	280	14	8	20	9
10	21.5	18.8	17.1	19.6	76	1014.6	120	10	4	20	23.0	20.8	19.6	22.8	82	1015.2	120	10	7	20	10
11	19.2	18.0	17.2	17.2	88	1016.0	180	9	8	20	18.8	16.6	15.1	17.2	79	1014.1	120	25	7	15	11
12	20.2	17.0	14.8	16.8	71	1015.3	100	8	3	15	23.2	18.4	15.3	17.3	61	1016.1	360	8	3	25	12
13	20.6	18.0	16.3	18.5	76	1016.9	320	12	5	30	23.0	19.2	16.9	19.8	69	1016.4	330	12	2	20	13
14	19.8	15.2	11.5	13.6	57	1014.7	310	12	0	20	23.0	17.2	13.1	15.0	54	1015.0	320	10	3	20	14
15	15.0	14.0	13.2	15.2	89	1015.7	–	0	0	20	22.4	19.0	16.9	19.3	71	1016.7	020	3	0	20	15
16	18.8	17.0	15.8	17.9	83	1017.2	030	3	2	20	23.8	20.0	17.8	20.4	69	1017.2	360	4	2	20	16
17	21.0	18.6	17.1	19.5	78	1017.2	–	0	4	20	24.2	19.6	16.8	19.1	63	1017.0	–	0	6	20	17
18	20.2	16.8	14.4	16.4	70	1018.1	030	5	4	20	23.4	18.5	15.3	17.4	61	1018.6	050	4	1	20	18
19	20.0	15.2	11.4	13.5	58	1018.8	–	0	0	20	24.0	18.0	13.8	15.8	53	1019.3	020	5	0	20	19
20	19.6	16.8	14.8	16.9	75	1017.1	060	4	3	20	23.2	19.2	16.8	19.1	67	1017.5	250	3	2	20	20
21	21.6	16.4	12.5	14.5	56	1014.9	060	8	4	20	26.0	19.6	15.6	17.7	52	1014.3	080	8	0	20	21
22	25.0	23.0	22.1	26.5	84	1011.0	180	20	2	20	27.0	23.4	21.7	25.9	72	1011.1	140	16	0	20	22
23	21.4	19.0	17.6	20.1	79	1011.8	270	14	2	20	21.0	17.6	15.3	17.4	70	1013.9	300	12	8	20	23
24	15.4	11.0	6.3	9.6	54	1019.1	310	22	8	20	16.0	11.6	7.2	10.2	56	1021.6	300	24	6	20	24
25	12.4	9.0	5.1	8.8	61	1023.1	310	28	0	20	15.4	11.0	6.4	9.7	55	1023.2	310	28	0	10	25
26	14.4	10.4	6.1	9.4	57	1020.1	310	20	1	20	16.8	11.4	5.7	9.2	48	1020.0	320	10	3	20	26
27	12.2	9.8	7.2	10.2	72	1017.6	300	3	0	20	19.2	13.2	7.5	10.4	47	1017.5	320	5	2	20	27
28	15.6	11.0	6.1	9.4	53	1019.0	320	7	1	20	18.4	11.8	4.8	8.6	41	1020.6	300	12	7	20	28
29	16.8	11.8	6.7	9.8	51	1023.9	320	12	0	20	19.2	12.2	4.7	8.5	38	1024.9	330	14	0	20	
30	16.0	10.4	3.9	8.1	45	1024.6	300	10	0	20	18.5	12.0	5.2	8.8	42	1024.5	310	10	0	20	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Kharg Island.

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
27.2	21.4	18.2	20.9	58	1018.5	180	8	5	20		30.6	21.4	22.6	63.0	190	17	0	P.Cloudy.	1
26.2	22.6	20.8	24.5	72	1018.5	220	2	2	20		29.5	24.6	20.8	64.0	180	14	0	"	2
25.6	21.4	19.1	22.1	67	1017.7	280	2	0	20		30.4	22.5	15.4	61.0	100	15	0	Clear.	3
24.8	21.0	18.9	21.9	70	1016.0	-	0	1	20		30.0	20.4	14.4	62.4	020	9	0	Fair.	4
25.0	21.0	18.8	21.7	69	1014.3	300	3	4	20		27.8	20.0	11.5	63.0	310	6	0	P.Cloudy.	5
26.8	21.4	18.4	21.2	60	1013.8	350	5	1	20		28.6	20.4	14.4	63.4	310	16	0	"	6
27.4	21.8	18.7	21.6	59	1013.3	320	8	6	20		29.6	24.1	16.6	65.5	310	21	0	Cloudy.	7
27.0	20.6	16.8	19.2	53	1014.3	300	12	7	20		29.6	25.0	18.6	62.5	310	33	0	P.Cloudy.	8
21.4	19.2	17.9	20.6	81	1014.8	-	0	3	20		28.0	21.0	16.4	61.0	250	33	6.0	Th.storm.	9
21.0	19.0	17.8	20.4	82	1014.1	130	13	8	20		23.6	19.0	12.7	60.2	100	24	12.7	"	10
20.2	17.2	15.2	17.2	73	1015.3	120	12	8	10		21.0	17.6	12.8	61.0	110	36	33.7	"	11
21.4	18.6	16.9	19.2	75	1016.2	320	12	2	20		24.0	17.0	12.6	58.0	310	20	7.1	Rain.	12
21.8	18.0	15.4	17.6	68	1014.8	300	10	1	20		23.5	20.0	14.2	57.0	330	29	0	P.Cloudy.	13
20.0	17.0	14.9	17.0	73	1014.6	300	2	1	20		23.5	19.6	13.0	59.5	330	29	0	Fair.	14
21.8	17.0	13.6	15.5	59	1015.7	320	8	0	20		23.5	14.9	7.6	57.9	320	16	0	Clear.	15
22.0	18.6	16.4	18.7	70	1016.6	350	4	2	20		24.6	17.7	9.9	60.0	300	14	0	P.Cloudy.	16
21.5	16.8	13.4	15.4	60	1016.6	330	5	4	20		26.6	18.5	11.0	64.5	300	12	0	"	17
20.4	16.2	13.1	15.0	62	1018.2	-	0	0	20		25.0	17.0	9.3	58.5	360	9	0	Fair.	18
21.6	16.8	13.3	15.3	59	1017.7	320	2	4	20		25.0	17.5	8.8	59.0	020	12	0	"	19
21.2	17.4	14.7	16.8	66	1016.3	-	0	0	20		26.4	17.0	9.0	57.5	260	11	0	"	20
24.0	21.0	19.4	22.5	75	1012.6	060	6	0	20		28.4	18.5	11.4	58.5	100	13	0	"	21
24.6	21.8	20.4	24.0	77	1010.5	120	14	0	20		28.6	22.4	14.4	58.0	160	23	0	Clear.	22
18.0	16.0	14.6	16.6	80	1014.8	300	14	8	20		24.6	17.8	15.6	52.5	320	29	1.3	Rainsh.	23
15.6	9.0	0.1	6.2	35	1021.3	330	28	3	20		18.0	14.4	13.6	49.0	330	38	1.3	Rain.	24
16.4	10.4	3.3	7.8	42	1021.3	320	20	0	15		17.0	12.2	8.4	51.0	330	36	0	Clear.	25
15.8	10.2	3.6	7.9	44	1018.6	320	10	5	20		18.9	14.0	9.6	52.8	330	32	0	P.Cloudy.	26
16.4	11.8	7.2	10.2	54	1017.2	300	5	7	20		21.6	12.0	5.5	53.0	300	12	0	"	27
17.6	12.0	6.4	9.6	47	1020.6	310	8	2	20		21.0	15.4	10.5	53.5	310	20	0	"	28
17.5	11.2	4.2	8.3	42	1024.3	320	12	0	20		21.6	16.0	12.0	53.0	330	22	0	Clear.	29
18.0	11.8	5.3	8.9	43	1023.1	360	12	0	20		19.6	16.0	11.4	52.5	330	25	0	"	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

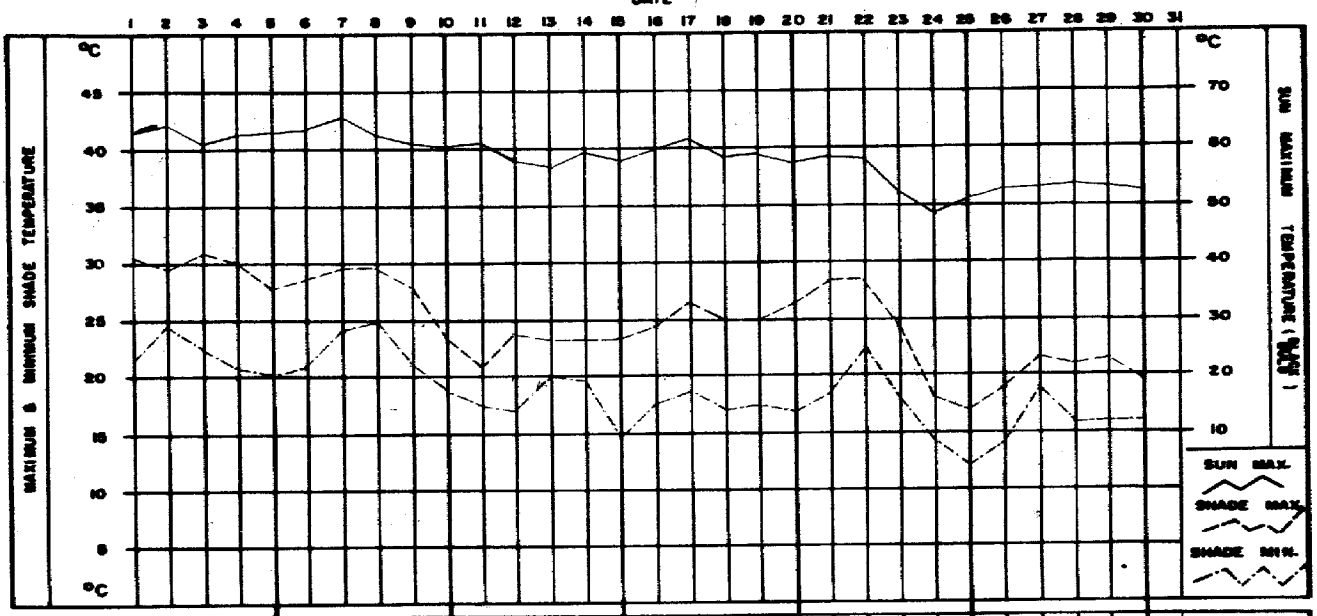
Rainsh.: Rain falling as showers

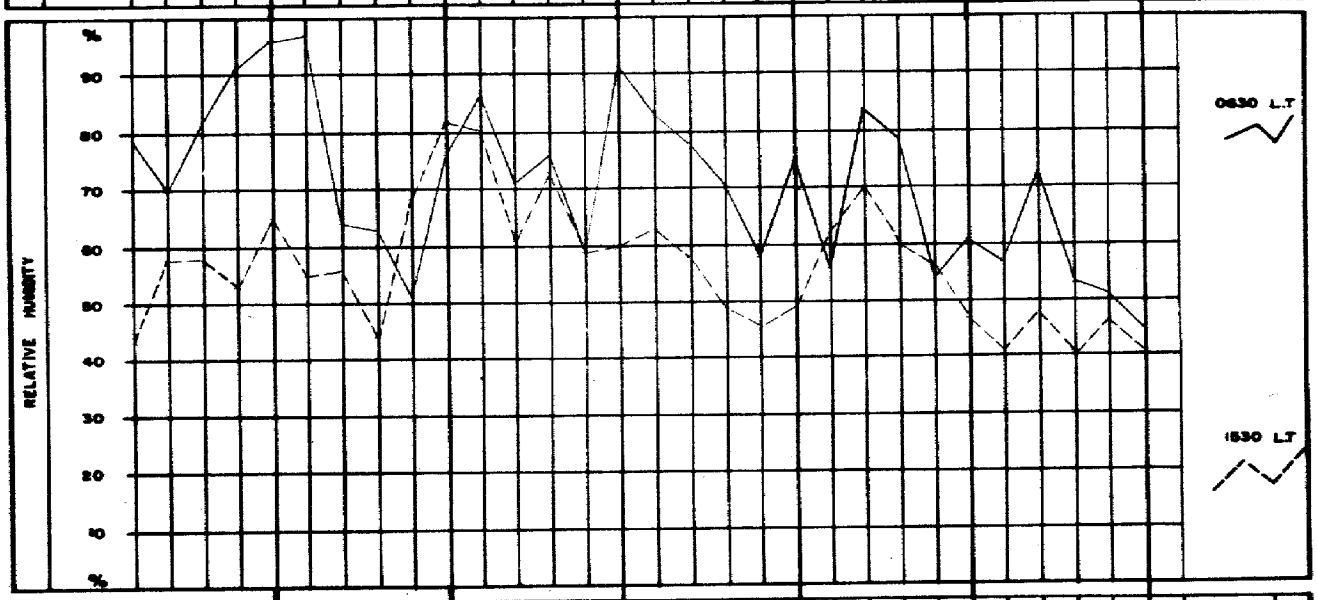
Hail: Solid precipitation

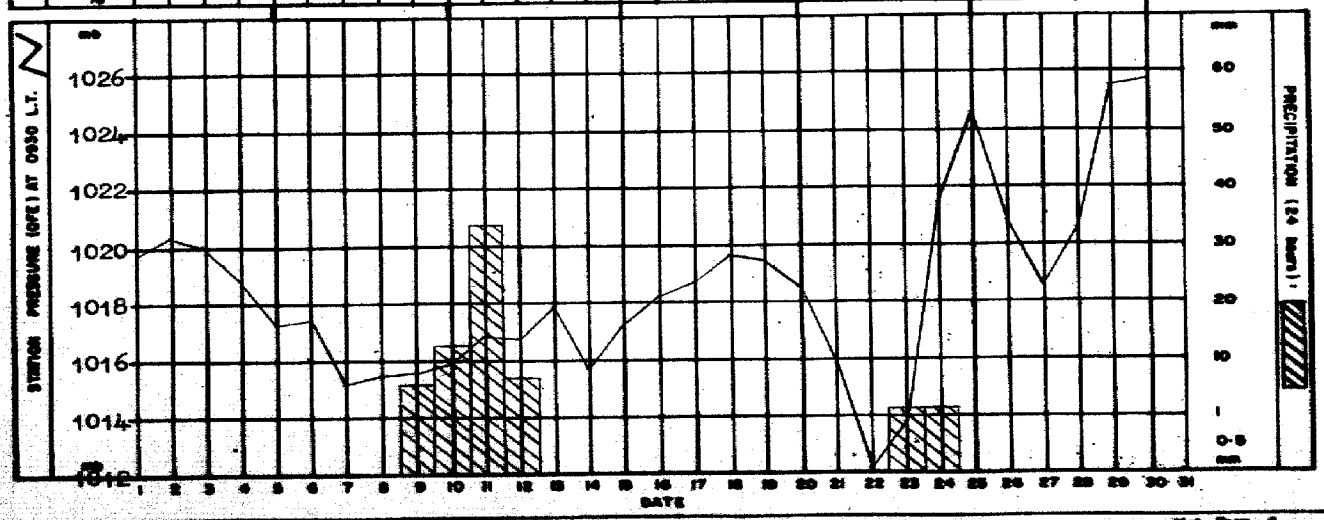
Th. storm: Thunderstorm at or near the station

Met. Form 3b

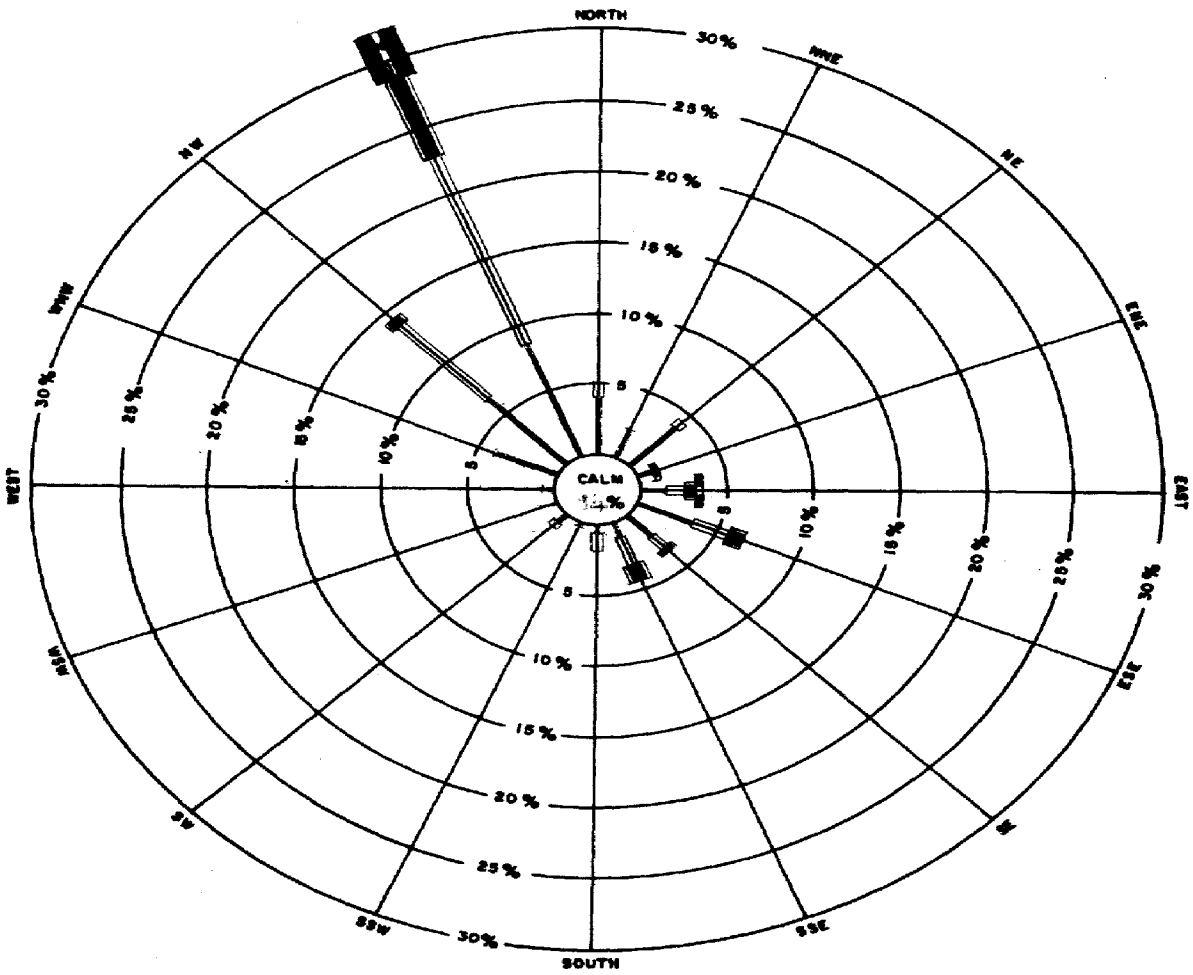
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E





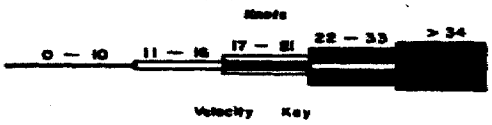


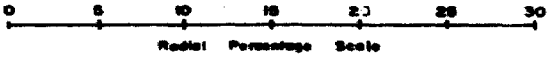
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: November	Year: 1961
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Hours in month 720

Hours recorded 720





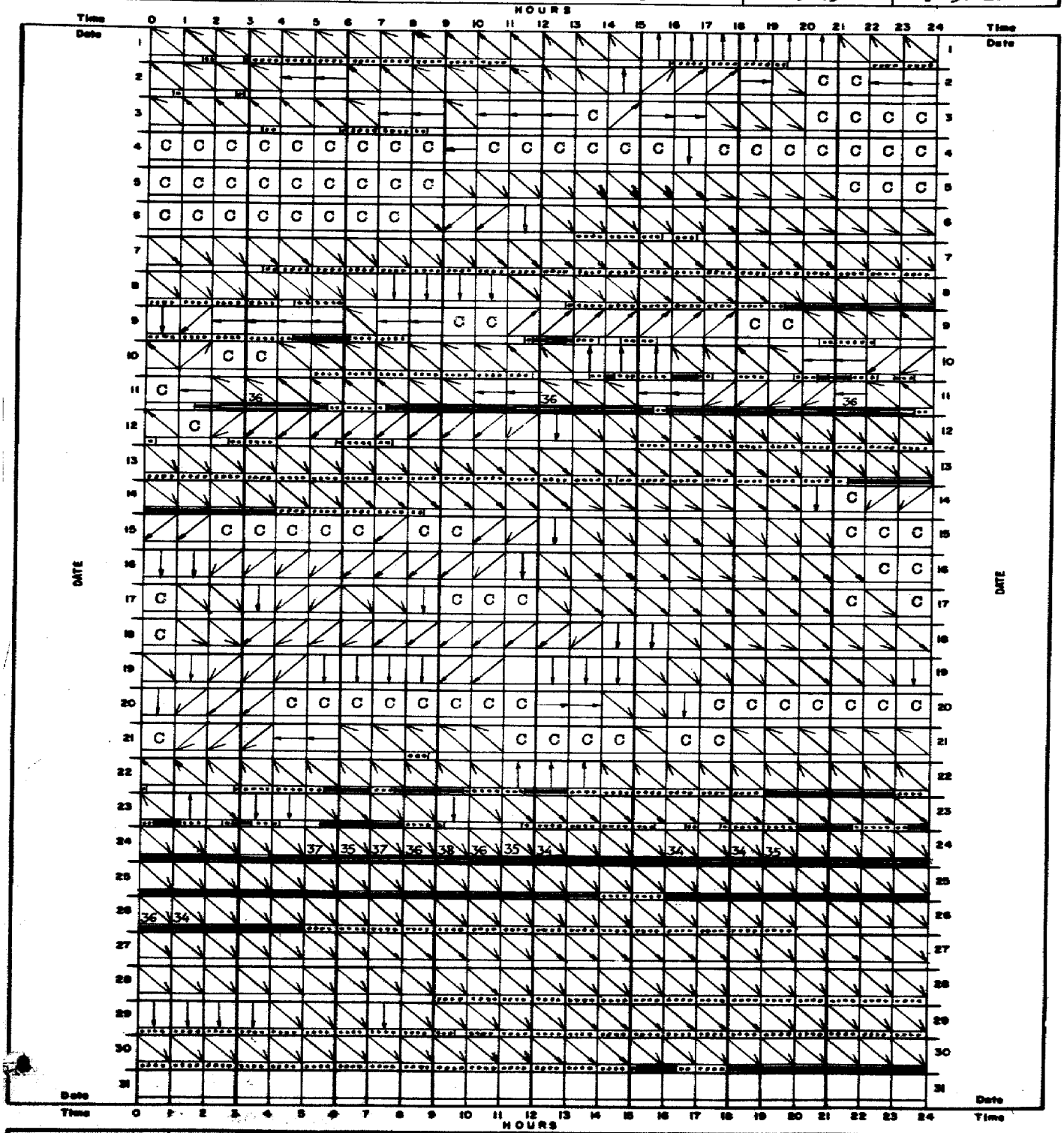
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

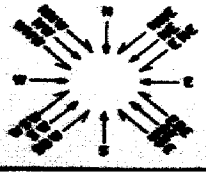
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 26
- > 34

Direction Key



3 4 / 40

Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Sheikh Shu'aib.

Ground Level: 2 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	26.3	15.0	3.9	8.1	24	1019.3	090	11	3	30	28.6	22.3	18.9	21.8	56	1019.8	100	13	3	20	1
2	24.2	18.0	13.7	15.7	52	1019.8	090	7	4	30	29.1	18.7	11.3	13.3	33	1019.1	110	11	1	35	2
3	24.2	17.4	12.4	14.4	48	1019.5	030	5	1	25	29.2	20.4	14.9	16.9	42	1018.3	130	10	1	30	3
4	21.6	16.5	12.8	14.9	57	1017.7	040	1	1	30	29.4	19.4	12.5	14.5	35	1017.2	120	1	2	30	4
5	22.4	18.8	16.6	18.8	69	1016.1	350	4	1	35	29.3	17.8	8.6	11.2	27	1015.7	200	4	1	35	5
6	21.7	18.9	17.2	19.6	75	1015.2	320	6	0	35	29.5	22.8	19.3	22.4	54	1014.8	210	6	1	35	6
7	23.8	22.1	21.3	25.3	86	1014.0	–	0	1	25	30.1	23.0	19.3	22.4	52	1012.6	280	9	2	25	7
8	25.2	23.0	22.0	26.4	83	1014.2	080	7	1	25	28.3	24.5	22.8	27.7	72	1014.3	150	11	2	25	8
9	26.4	23.0	21.3	25.4	74	1014.2	100	9	7	20	27.4	22.5	20.0	23.4	64	1013.8	100	12	4	25	9
10	22.0	19.5	18.1	20.7	78	1015.4	070	7	1	40	26.7	21.5	18.7	21.5	61	1016.1	110	8	3	40	10
11	25.1	21.4	19.4	22.4	70	1014.0	090	14	4	25	19.5	18.2	17.3	20.0	87	1015.3	070	15	7	20	11
12	18.5	18.5	18.5	21.3	100	1016.9	010	18	8	15	20.3	18.2	16.9	19.3	81	1017.0	350	14	8	15	12
13	20.0	18.8	18.1	20.7	89	1015.5	350	7	1	40	25.8	19.3	15.1	17.2	53	1013.9	300	9	1	40	13
14	20.2	17.0	14.8	16.8	71	1013.0	330	6	1	35	25.5	17.4	11.3	13.4	41	1012.6	310	5	1	40	14
15	20.4	17.6	15.8	17.9	75	1015.1	320	5	1	35	26.5	19.1	14.2	16.2	47	1015.4	250	2	1	40	15
16	19.5	17.5	16.2	18.4	81	1017.3	340	1	5	30	26.0	19.2	14.8	16.8	50	1016.9	090	5	5	30	16
17	21.3	18.8	17.3	19.7	77	1017.0	030	3	4	40	25.8	20.9	18.1	20.8	63	1016.1	300	6	6	40	17
18	20.0	18.1	16.9	19.2	82	1017.2	290	6	3	45	26.6	20.4	16.7	19.0	55	1016.5	290	11	1	35	18
19	20.5	17.4	15.3	17.4	72	1017.5	300	6	1	40	26.7	19.3	14.4	16.4	47	1017.0	320	14	1	40	19
20	19.2	15.3	12.2	14.3	64	1018.1	300	4	0	40	25.3	18.0	12.8	14.9	45	1016.4	300	12	0	40	20
21	20.8	17.1	14.4	16.5	68	1015.0	350	5	0	40	28.7	21.5	17.4	19.9	50	1014.4	290	6	0	40	21
22	20.8	19.9	19.4	22.5	93	1014.4	300	3	0	40	26.7	22.0	19.5	22.7	65	1013.3	150	6	1	30	22
23	24.1	22.8	22.2	26.7	90	1013.6	090	8	1	25	26.3	24.0	22.9	28.0	82	1014.5	120	12	2	30	23
24	22.6	20.5	19.3	22.4	82	1016.7	020	10	7	20	22.5	20.4	19.2	22.3	82	1016.4	320	9	7	20	24
25	18.5	13.0	7.8	10.6	50	1018.9	290	16	2	20	22.4	14.2	6.4	9.6	36	1018.1	280	15	1	20	25
26	17.3	14.0	11.4	13.4	67	1017.6	010	2	0	25	24.8	17.9	13.1	15.0	48	1017.4	110	11	1	25	26
27	19.7	16.0	13.3	15.2	66	1016.6	360	5	3	20	27.3	19.8	15.0	17.1	47	1016.7	270	9	5	20	27
28	17.5	16.4	15.7	17.7	88	1018.5	280	6	2	25	24.0	17.2	12.2	14.2	48	1019.3	270	10	1	40	28
29	20.0	16.0	13.1	15.0	64	1022.0	030	6	5	30	24.4	17.1	11.6	13.8	45	1022.2	340	6	7	35	29
30	19.2	13.8	9.0	11.4	53	1022.6	320	12	0	30	24.1	14.6	5.6	9.0	30	1021.5	290	10	0	35	30
31																					31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Sheikh Shu'aib.

Ground Level: 2m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
		Humidity				Wind													
Shade Temperature	Wet Bulb Temperature	Dew Point Temperature	Vapour Pressure	Relative Humidity	Station Pressure (QFE)	Direction	Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
26.8	21.7	18.9	21.9	62	1019.4	160	8	6	20		29.1	25.0	22.0	63.0	170	32	0	P.Cloudy.	1
27.0	20.0	15.7	17.8	49	1019.1	100	10	1	25		29.6	22.9	18.7	63.4	180	20	0	Fair.	2
26.5	19.4	14.8	16.9	59	1017.7	140	3	1	35		29.8	22.1	17.1	63.0	130	10	0	"	3
25.2	19.3	15.4	17.6	55	1016.3	–	0	1	30		30.2	19.9	14.5	66.5	070	5	0	"	4
25.0	19.4	15.8	18.0	57	1014.5	280	5	0	35		29.8	20.5	15.9	63.0	290	9	0	"	5
26.6	20.9	17.6	20.1	58	1014.4	280	5	1	35		29.4	20.0	15.0	–	330	22	0	"	6
26.5	22.4	20.2	23.7	69	1012.1	270	6	1	35		31.4	22.5	19.6	63.5	–	–	0	"	7
27.4	23.3	21.3	25.3	69	1014.7	180	7	7	20		29.0	24.3	21.5	61.5	150	11	0	P.Cloudy.	8
18.5	18.4	18.3	21.2	100	1018.2	270	19	8	15		28.5	18.5	22.0	62.5	360	37	0	Th.Storm.	9
24.2	20.6	18.6	21.4	71	1014.4	–	0	2	40		27.0	18.1	16.4	62.6	360	38	0	Fair.	10
23.0	19.4	17.2	19.6	70	1014.3	060	9	6	20		26.5	17.9	19.6	44.5	040	40	13.0	Th.Storm.	11
21.6	18.5	16.6	18.8	73	1016.4	160	7	7	25		26.5	17.3	17.2	42.9	050	43	24.0	Rainsh.	12
21.6	17.9	15.4	17.5	68	1013.3	280	6	6	40		26.4	17.6	17.6	58.0	010	17	0	Fair.	13
21.1	17.4	14.9	16.9	69	1013.5	270	8	1	40		26.0	19.3	17.5	58.6	340	20	0	"	14
21.4	18.5	16.7	19.0	74	1016.2	300	5	1	40		31.0	17.2	18.2	59.0	–	–	0	"	15
22.1	19.4	19.4	22.7	85	1016.6	–	0	2	40		27.0	16.5	20.6	63.7	160	12	Tr.	P.Cloudy.	16
22.7	20.0	18.5	21.3	72	1016.4	290	8	7	40		26.4	19.2	19.7	62.8	–	–	0	Th.Storm.	17
23.7	18.0	14.2	16.1	55	1017.9	300	9	1	35		25.4	19.6	19.7	58.8	–	–	0	Fair.	18
23.9	17.0	11.9	13.9	47	1016.6	300	13	1	40		28.0	19.5	–	58.8	340	20	0	"	19
24.0	17.9	13.7	15.6	52	1015.8	320	16	0	40		27.1	17.9	13.3	59.5	290	25	0	Clear.	20
24.0	21.0	19.4	21.5	76	1013.6	270	8	0	30		30.0	20.3	15.0	60.0	270	17	0	"	21
25.2	23.0	21.9	26.3	82	1013.3	210	1	0	25		27.6	19.7	15.0	58.9	250	6	0	Fair.	22
24.8	22.6	21.5	25.6	82	1014.5	050	3	3	20		25.9	20.6	16.5	58.1	080	16	2.0	P.Cloudy.	23
21.0	19.0	17.8	20.4	82	1017.6	270	9	7	20		26.0	23.1	–	55.5	250	16	0	Rain.	24
21.0	14.4	8.6	11.1	44	1017.2	300	14	0	20		22.9	18.0	16.5	–	250	24	0	Fair.	25
23.5	16.9	11.9	14.0	48	1017.1	150	6	3	25		24.9	22.5	10.5	57.3	300	19	0	"	26
19.2	15.3	12.2	14.3	64	1016.8	260	7	4	30		24.6	18.5	14.9	62.0	250	18	0	P.Cloudy.	27
20.1	15.3	11.4	13.5	57	1019.7	270	9	3	35		24.3	15.9	12.9	57.3	270	16	0	Fair.	28
23.0	15.8	9.8	12.2	43	1022.4	280	10	5	35		25.8	16.7	13.4	58.5	260	18	0	Cloudy.	29
21.1	14.6	9.1	11.6	47	1020.4	300	12	0	35		24.5	18.5	16.0	57.5	270	29	0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility < 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

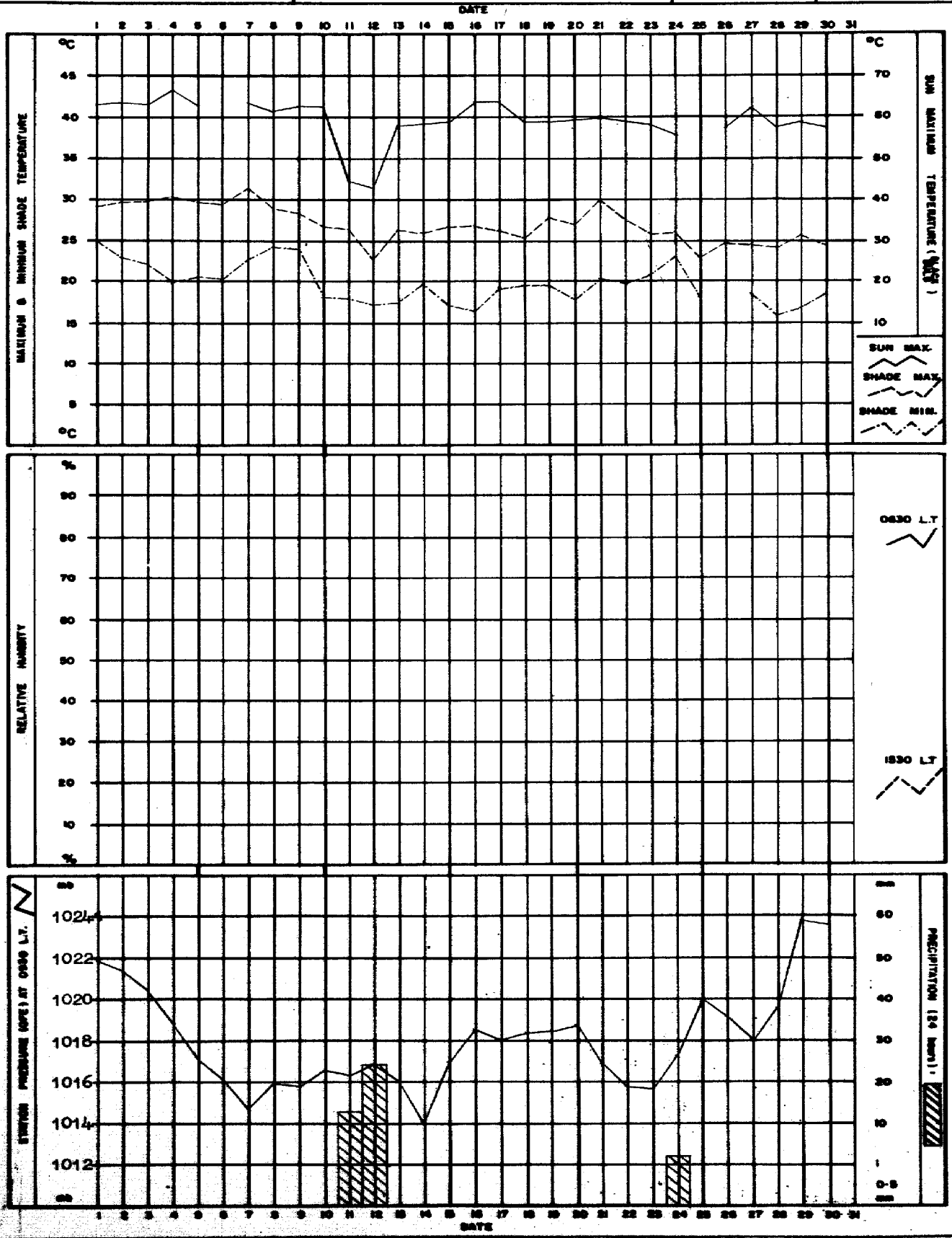
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

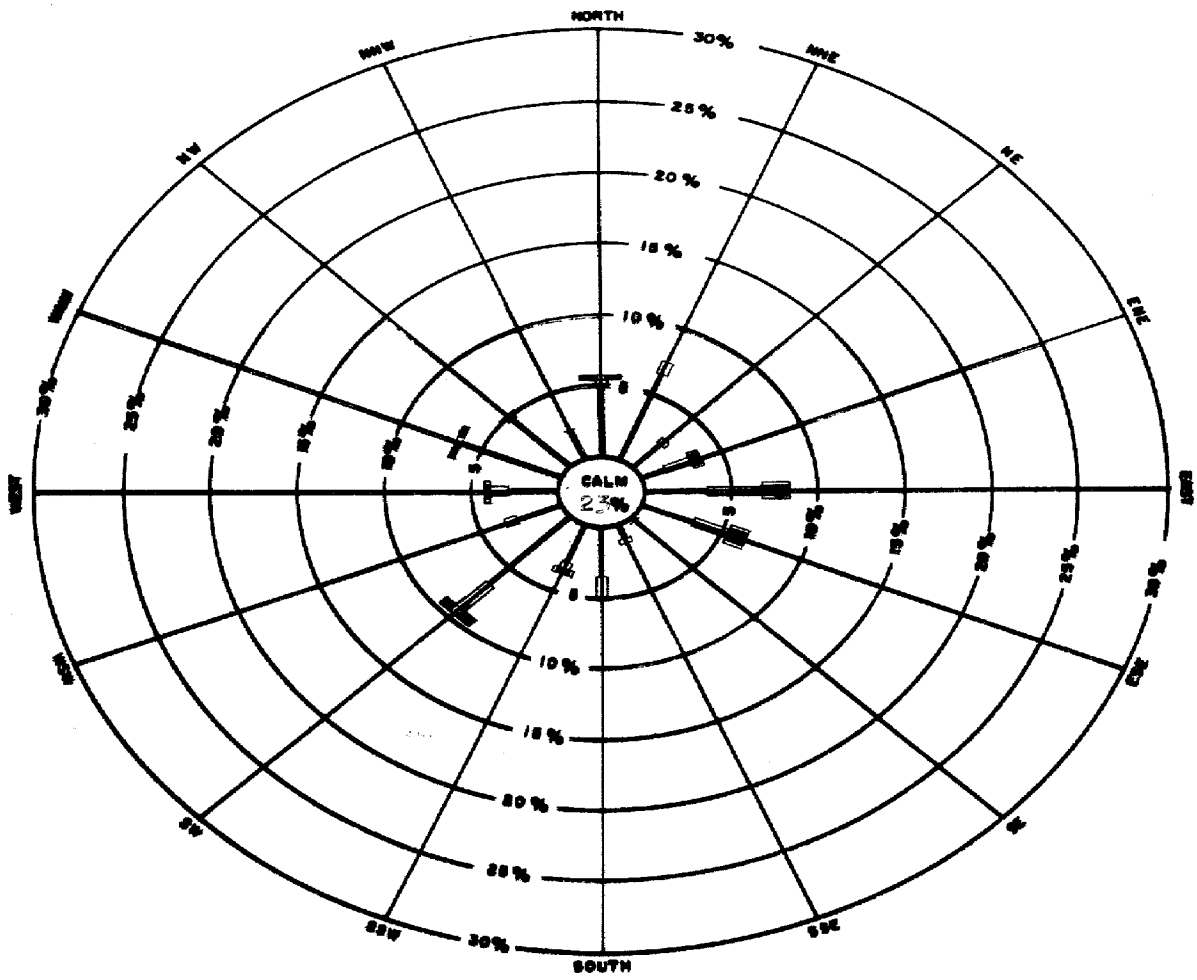
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Sheikh Shu'aib	
		Lat: 26°48' N.	Long: 53°22' E



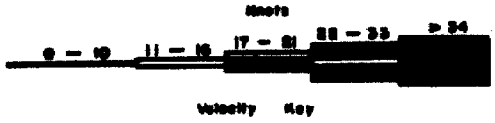
Met. Form 4

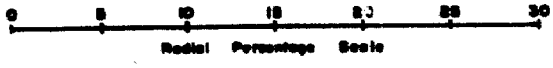
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: November	Year: 1961
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 720

Hours recorded 720





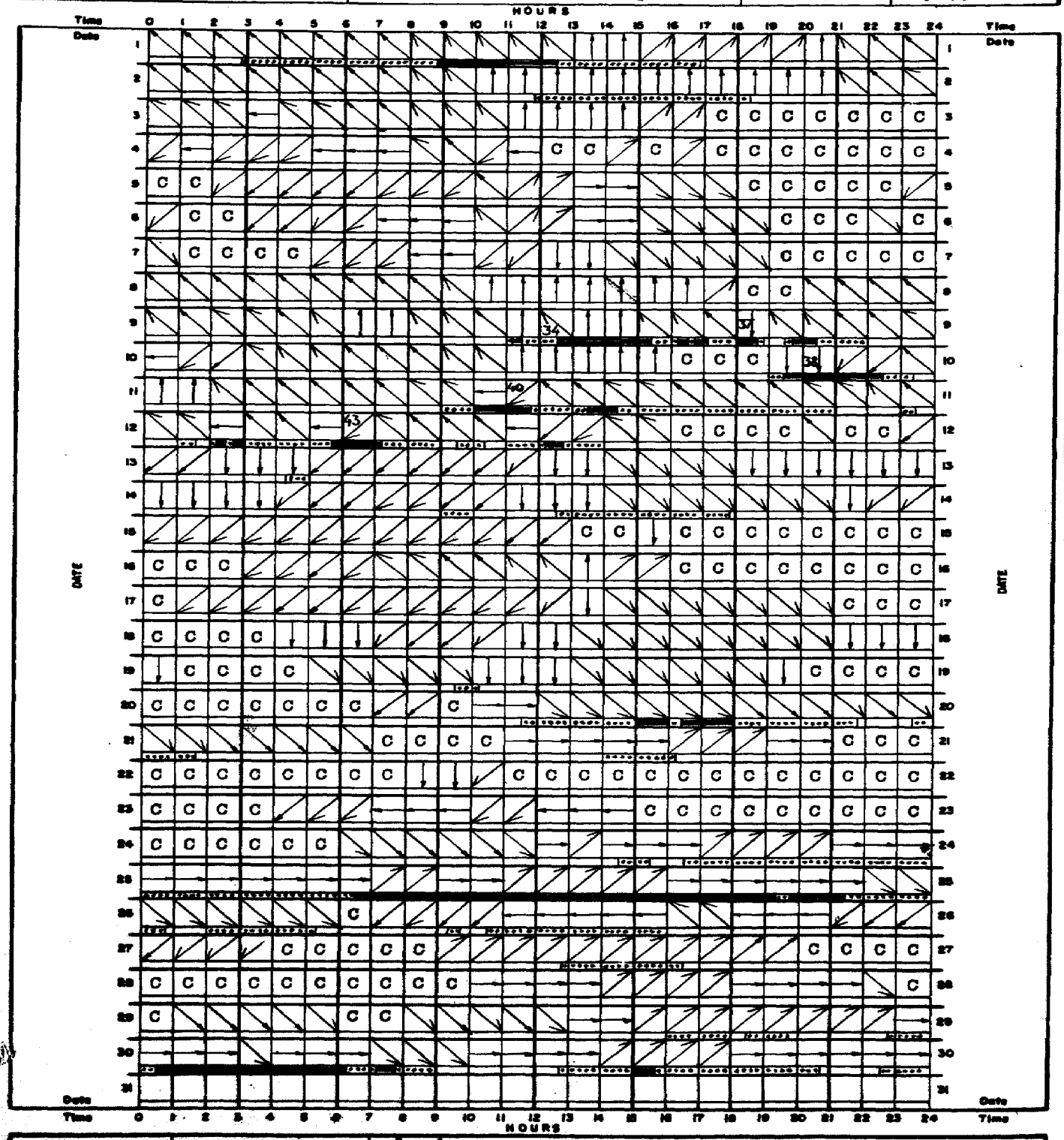
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

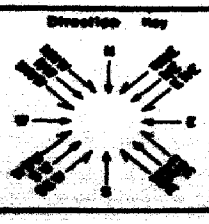
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: November	Year: 1961
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 25
	> 26

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: November Year: 1961

Station: Abadan.

Ground Level: 2 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 48°16' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
											32.2	20.0					0	Haze.	1
											31.1	20.0					0	Th.Storm.	2
											31.1	20.0					0	Haze.	3
											30.0	18.9					0	Cloudy.	4
											31.1	17.8					0	"	5
											32.8	18.9					0	P.Cloudy.	6
											30.0	17.8					0	"	7
											26.1	17.8					Tr.	Rainsh.	8
											26.1	17.8					2.3	"	9
											26.1	14.4					2.3	"	10
											22.8	16.1					2.5	Rain.	11
											23.9	12.2					0	Mist.	12
											25.0	12.8					0	Clear.	13
											25.6	12.8					0	Fair.	14
											27.2	11.7					0	"	15
											27.2	10.0					0	Clear.	16
											26.1	10.6					0	"	17
											27.8	10.6					0	Mist.	18
											27.2	12.2					0	Haze.	19
											27.8	17.8					0	P.Cloudy.	20
											28.9	13.9					0	"	21
											28.3	13.9					0.5	Rain.	22
											17.8	12.2					0	Cloudy.	23
											16.1	8.9					0	Haze.	24
											18.9	5.0					0	"	25
											17.8	5.0					0	P.Cloudy.	26
											18.9	2.2					0	Fair.	27
											20.0	2.8					0	P.Cloudy.	28
											20.0	2.2					0	Fair.	29
											20.0	3.9					0	Clear.	30
																			31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

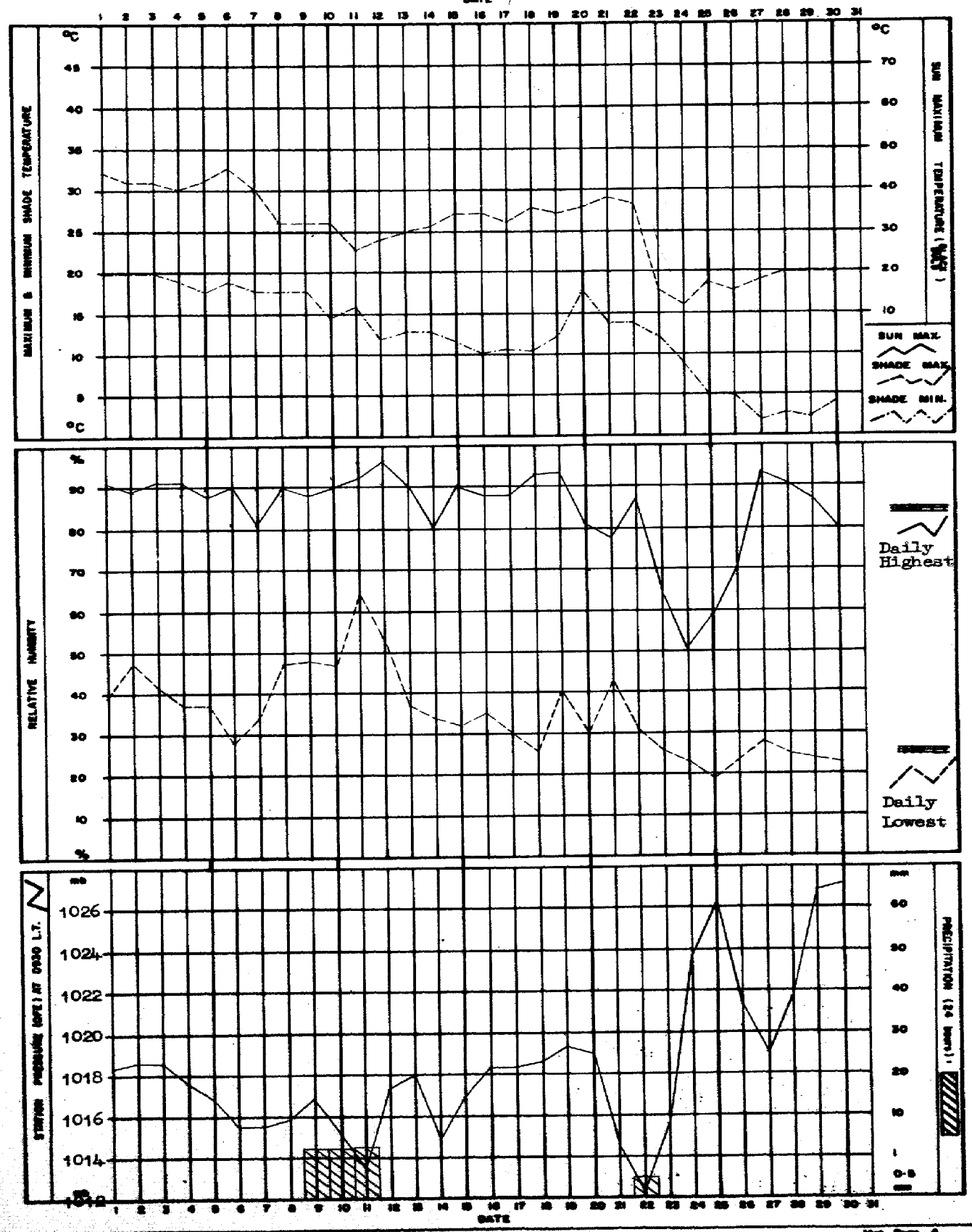
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: November	Year: 1961
		Station: Abadan	
Ground Level: 2 m A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°21' N.	Long: 48°16' E



Mats/Cars
1,496,720
Incl # 2

IRANIAN OIL EXPLORATION & PRODUCING COMPANY

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METEOROLOGICAL OBSERVATIONS

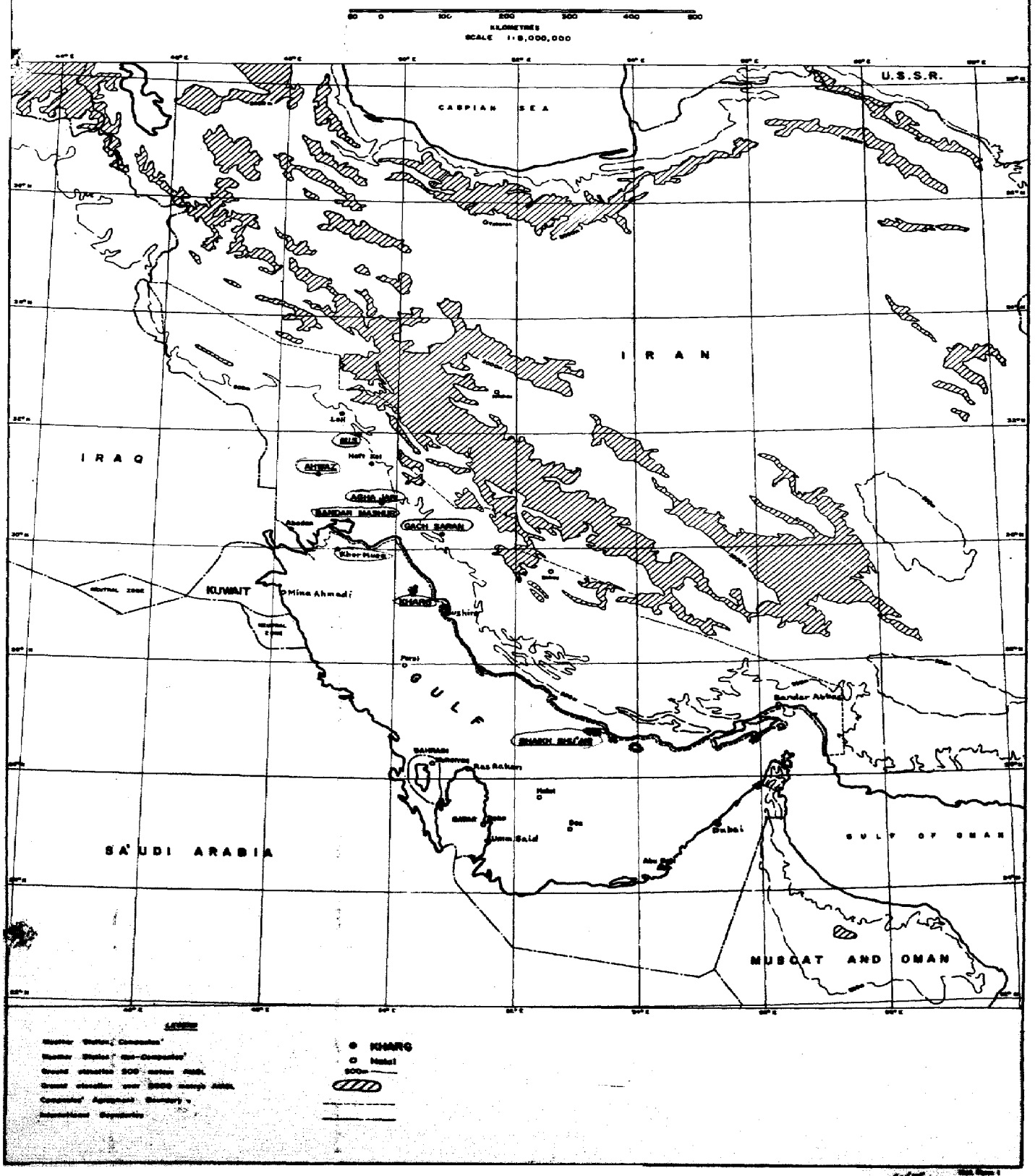
FOR

DECEMBER 1961

133 305

Attch 2 to IR-1496720 144.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



CONTENTS

The following stations are included:

	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport)	40 812	32°00' N	49°15' E	362 m.	4
Agha Jari (Ummidieh airport)	40 833	30°36' N	49°50' E	29 m.	9
Gach Saran (Du Gombadan airport)	40 835	30°21' N	50°48' E	709 m.	14
Kut Abdullah (Airport) AHWAZ	-	31°13' N	48°40' E	15 m.	17
Bandar Mashur (Airport)	40 832	30°33' N	49°09' E	8 m.	20
Khor Musa (Observation platform)	-	30°00' N	49°02' E	6 m.	35
Kharg Island (Airport)	40 845	29°15' N	50°20' E	3 m.	25
Sheikh Shu'aib (Decca Navigator Station)	40 882	26°48' N	53°22' E	2 m.	30

REMARKS

See "REMARKS" in the August and September, 1961, bulletins.

As from this month, the wind observations carried out on a platform in the Khor Musa channel are included in the bulletin.

ERRATA

October, 1961.

Gach Saran. Station Pressure on pages 14 and 15 should everywhere be 100 mb lower.

CONVERSION FACTORS

Temperature.

$$^{\circ}F = \frac{9}{5} \cdot {}^{\circ}C + 32$$

Pressure.

1 mb = 0.0295 inches Hg = 0.750 mm Hg

1 inch Hg = 33.86 mb = 25.40 mm Hg

Normal atmospheric pressure at sealevel = 1013.2 mb = 29.92 inches Hg = 760.0 mm Hg = 14.7 lb/sqft.

Length.

1 mm = 0.039 inches

1 m = 3.28 ft

1 km = 0.621 statute miles

1 inch = 25.40 mm

1 foot = 0.305 m

1 statute mile = 1609 m

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: December Year: 1961

Local Time: G.M.T. + 3½ hrs

Station	Maximum Temperature Monthly Average °C	Maximum Temperature Monthly Highest °C	Date	Minimum Temperature Monthly Average °C	Minimum Temperature Monthly Lowest °C	Date	Ground Min. Temperature Monthly Average °C	Ground Min. Temperature Monthly Lowest °C	Date	Sea Temp. Monthly Average °C	Sun Maximum Temperature Monthly Average °C	Sun Maximum Temperature Monthly Highest °C	Date
Masjid-i-Sulaiman	20.4	26.0	6	9.4	4.9	29	5.6	0.8	28		51.1	61.2	5
Agha Jari	22.3	28.0	5	8.4	2.6	1					55.1	63.0	8
Gach Saran	19.0	23.3	5	6.0	1.1	30	4.8	0.0	30		51.1	58.3	3
Kut Abdullah	21.0	26.6	6	6.7	0.0	28	5.5	-1.6	28		53.6	62.0	6
Bandar Mashur	21.5	26.0	5	8.3	2.1	1	7.6	1.7	1		44.5	56.0	6
Kharg Island	21.7	26.2	7	16.2	11.0	31	11.2	4.6	31		51.7	60.0	7
Sheikh Shu'aib	25.4	29.8	9	16.8	13.4	31	12.1	7.0	31		56.6	64.2	7
Khor Musa													

Station	Humidity Vapour Pressure at 0930 mb	Dew Point Depression at 0930 °C	Rel. Hum. Daily avr. %	Rel. Hum. 1530 (avr.) %	Rel. Hum. 0630 (avr.) %	Rainfall Monthly Total mm	Rainfall Maximum in 24 hrs mm	Date	Station Pressure (QFE) at 0930 Monthly Average mb	Monthly Highest mb	Date	Monthly Lowest mb	Date	Maximum Wind Velocity Velocity kts.	Direction degr.	Date
Masjid-i-Sulaiman	10.0	7.4	58	40	73	22.3	14.5	13	976.9	981.8	1	968.2	22	36	080	13
Agha Jari	9.8	7.7	57	38	72	19.6	12.7	14	1017.1	1023.7	1	1008.6	22	39	140	21
Gach Saran	9.3	6.3	63	40	84	53.8	36.1	14	935.9	940.4	3	931.0	22			
Kut Abdullah	11.0	5.9	65	46	82	9.9	7.6	13								
Bandar Mashur	9.7	6.7	58	41	74	12.3	8.0	14	1019.0	1025.2	1	1009.8	22	39	130	21
Kharg Island	13.9	7.9	64	56	71	4.4	2.5	13	1018.7	1024.5	1	1011.0	22	40	220	14
Sheikh Shu'aib	17.4	8.2	66	63	76	6.0	3.0	15	1018.4	1022.9	5	1014.1	11	36	270	27
Khor Musa														32	220	12

NUMBER OF DAYS WITH

Station	Maximum Temperature ≤ 10.0 °C	10.0–19.9 °C	20.0–29.9 °C	30.0–39.9 °C	40.0–44.9 °C	≥ 45.0 °C	Minimum Temperature ≤ 0.0 °C	0.0–9.9 °C	10.0–19.9 °C	20.0–29.9 °C	30.0–34.9 °C	≥ 35.0 °C	Horizontal Visibility ≤ 200 m	200–500 m	500–1000 m	1–2 km	2–5 km	5–15 km	15–30 km	≥ 30 km	Fog (Vis. ≤ 1 km)	Dust (Vis. ≤ 1 km)	Thunderstorms	24 Hour Rainfall ≥ 0.1 mm	0.1–0.9 mm	1.0–4.9 mm	5.0–9.9 mm	≥ 10 mm	≥ 1 inch	Cloudiness ≥ 7/8 at 0930	≤ 2/8 at 0930	Daily Average
Masjid-i-Sulaiman	0	16	15	0	0	0	0	20	11	0	0	0	0	0	0	0	2	22	7	0	0	0	3	7	5	0	1	1	0	8	18	3.5
Agha Jari	0	5	26	0	0	0	0	21	10	0	0	0	0	0	0	0	4	18	7	0	0	0	0	3	0	1	1	1	0	7	16	3.2
Gach Saran	0	21	10	0	0	0	0	25	6	0	0	0	0	0	0	0	2	14	15	0	0	0	0	5	1	2	0	2	1	8	15	3.5
Kut Abdullah	0	13	18	0	0	0	0	24	7	0	0	0	1	0	0	0	0	11	19	0	1	0	0	4	2	1	1	0	0	4	22	2.1
Bandar Mashur	0	9	22	0	0	0	0	20	11	0	0	0	0	0	0	0	2	16	13	0	0	0	0	4	2	1	1	0	0	6	15	3.0
Kharg Island	0	7	24	0	0	0	0	0	31	0	0	0	0	0	0	0	0	5	26	0	0	0	1	3	1	2	0	0	0	5	18	3.0
Sheikh Shu'aib	0	0	31	0	0	0	0	0	29	2	0	0	0	0	0	0	0	0	10	21	0	0	0	2	0	2	0	0	0	1	21	2.1

1/67. Met. Form 8

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: December Year: 1961
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-i-Sulaiman
		Lat: 32°00' N Long: 49°15' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1	7.0	5.4	3.2	7.7	77	980.4	–	0	0	20	18.8	11.8	4.2	8.3	38	980.7	–	0	0	12	1
2	8.6	6.3	3.2	7.7	69	979.0	–	0	0	16	20.4	12.3	3.4	7.8	32	979.6	180	2	0	18	2
3	10.2	6.0	-0.2	6.0	48	979.3	080	4	2	20	20.0	11.8	2.4	7.3	31	979.3	300	4	2	15	3
4	13.8	9.1	3.3	7.8	49	978.9	–	0	8	15	20.0	11.9	2.8	7.5	32	979.2	350	2	7	13	4
5	18.0	10.6	1.7	6.9	34	979.8	–	0	7	15	23.0	13.4	3.3	7.8	28	979.6	070	4	7	20	5
6	17.1	11.3	5.0	8.8	45	977.2	–	0	5	12	23.8	13.7	3.1	7.6	27	976.7	100	2	8	18	6
7	15.6	10.6	5.1	8.8	50	976.1	070	4	7	15	18.2	12.2	6.1	9.4	45	976.8	040	4	8	8	7
8	13.8	11.7	9.7	12.1	77	976.3	–	0	1	20	23.1	15.3	8.6	11.2	40	975.2	010	3	5	20	8
9	11.8	10.1	8.3	11.0	79	975.8	–	0	0	15	22.0	15.5	10.2	12.5	47	976.3	–	0	1	15	9
10	9.0	7.5	5.8	9.2	80	975.7	–	0	0	15	20.2	13.0	5.8	9.2	39	974.6	–	0	0	15	10
11	9.1	7.4	5.3	9.0	78	971.7	–	0	1	15	20.2	12.2	3.4	7.8	33	969.5	350	7	7	18	11
12	14.8	13.5	12.4	14.5	86	970.1	090	2	5	15	20.4	15.8	12.3	14.3	60	971.6	–	0	8	10	12
13	14.4	12.0	9.7	12.1	74	971.6	090	6	8	12	13.8	12.6	11.6	13.7	87	972.3	090	15	8	7	13
14	13.5	13.0	12.6	14.6	94	969.7	120	4	8	10	18.2	15.8	14.1	16.1	77	970.3	180	10	6	15	14
15	12.0	11.0	10.0	12.4	88	975.1	340	6	8	15	16.0	12.5	9.3	11.7	64	976.4	140	6	7	20	15
16	8.7	7.8	6.7	9.9	88	976.8	–	0	0	15	15.8	13.5	11.6	13.7	76	977.0	330	7	2	10	16
17	6.9	6.1	5.1	8.8	88	976.2	–	0	0	10	16.2	12.4	8.8	11.4	62	975.9	–	0	0	10	17
18	10.0	8.3	6.3	9.6	78	975.5	330	10	3	12	20.2	11.7	1.8	7.0	29	975.4	–	0	7	15	18
19	10.2	8.2	5.8	9.3	75	975.6	–	0	2	10	18.0	13.0	8.3	11.0	53	975.7	–	0	0	15	19
20	8.6	7.6	6.4	9.7	87	973.8	–	0	0	15	18.3	13.3	8.7	11.3	54	974.2	–	0	0	15	20
21	10.2	9.0	7.6	10.6	85	971.7	–	0	6	15	17.2	12.6	8.3	11.0	56	969.4	–	0	7	8	21
22	16.7	13.5	10.8	13.0	68	967.3	120	5	7	12	21.0	16.2	12.6	14.6	59	966.8	170	20	4	15	22
23	9.0	7.5	5.7	9.2	80	972.9	–	0	6	12	16.5	11.0	5.0	8.8	47	973.4	–	0	3	12	23
24	8.2	6.8	5.1	8.8	81	976.3	–	0	0	5	16.5	11.2	5.6	9.1	49	976.9	–	0	0	5	24
25	8.6	6.4	3.5	7.9	71	976.3	–	0	3	15	17.8	11.0	3.2	7.7	38	975.7	300	3	2	10	25
26	10.2	7.4	3.9	8.1	65	975.6	–	0	5	10	18.5	11.0	2.2	7.2	34	975.3	280	6	3	15	26
27	10.4	7.8	4.7	8.6	67	974.6	–	0	4	10	16.0	10.0	2.8	7.5	41	975.2	–	0	8	12	27
28	6.0	4.0	1.1	6.6	70	975.5	–	0	0	6	14.2	8.5	1.1	6.6	41	976.2	280	2	0	6	28
29	5.8	4.2	1.8	7.0	76	978.3	–	0	0	6	15.4	9.8	0.3	7.7	44	978.5	280	6	0	6	29
30	7.2	5.4	2.9	7.6	75	979.3	–	0	0	12	16.8	10.8	3.9	8.2	43	978.8	–	0	0	15	30
31	7.4	5.5	2.9	7.6	74	978.0	–	0	1	10	18.2	11.6	4.4	8.4	40	977.7	–	0	4	8	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

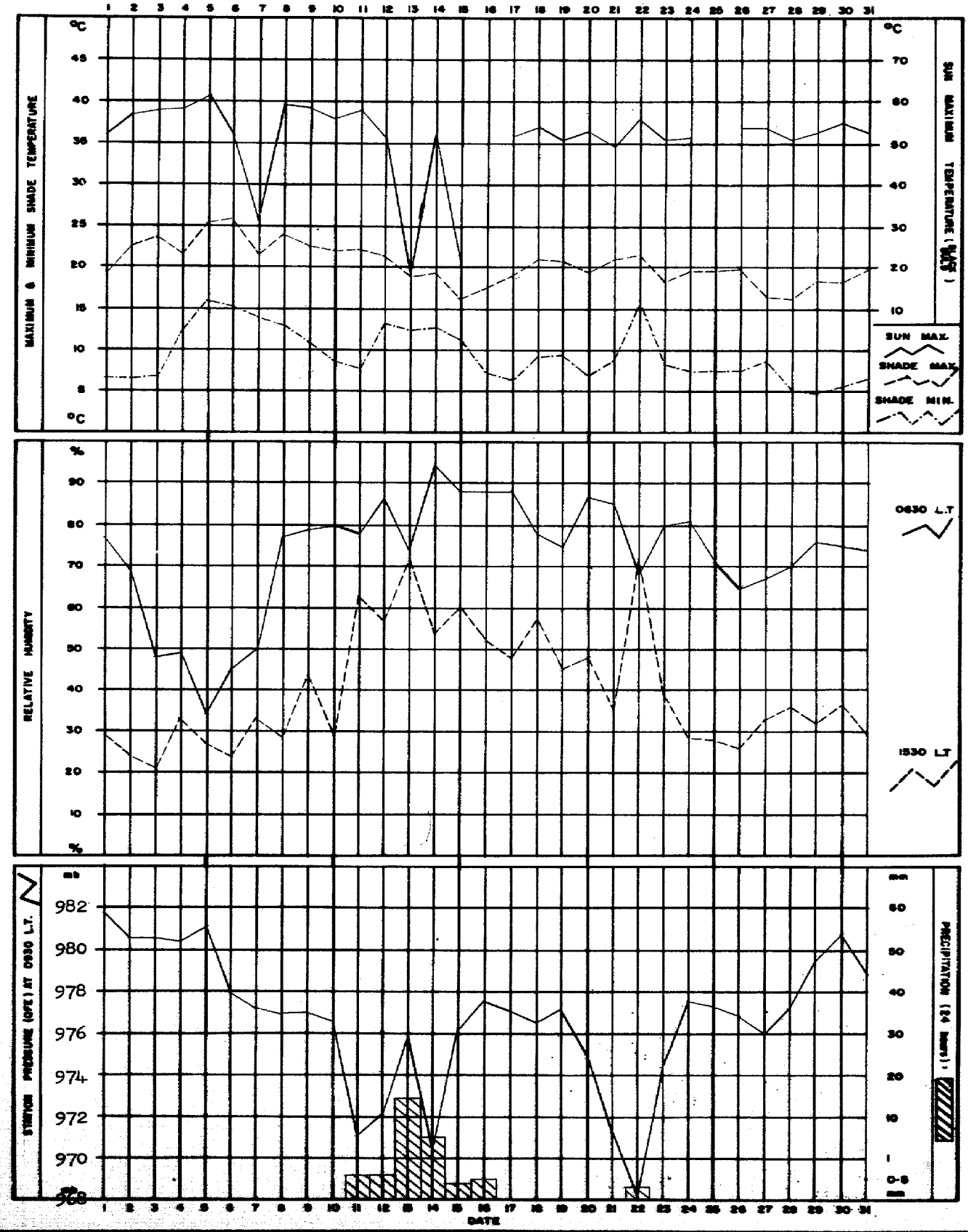
IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: December Year: 1951 Station: Masjid-i-Sulaiman
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N Long: 49°15' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
14.0	9.0	2.8	7.5	47	979.5	–	0	0	20		19.2	6.5	3.5	52.0	280	10	0	Haze.	1
14.6	9.7	4.0	8.2	49	979.2	–	0	0	20		22.5	6.5	2.6	56.6			0	Clear.	2
17.3	10.4	2.2	7.2	36	978.7	–	0	6	20		23.6	6.8	3.0	58.0	270	12	0	P.Cloudy.	3
18.3	10.6	1.1	6.6	31	980.3	020	10	8	12		21.5	12.4	3.3	58.0	020	26	Tr.	Rain.	4
19.4	12.2	4.6	8.5	38	978.0	–	0	3	20		25.2	16.1	12.0	61.2	090	15	0	Cloudy.	5
19.0	11.6	3.3	7.8	36	974.9	060	2	3	20		26.0	15.1	11.3	51.8	050	20	0	"	6
18.2	12.3	6.3	9.6	46	975.1	170	20	7	18		21.4	14.1	11.4	31.2	100	35	Tr.	Rain.	7
19.3	13.2	7.4	10.3	46	974.4	310	2	3	25		24.0	13.1	10.1	59.3	280	13	Tr.	P.Cloudy.	8
17.5	12.0	6.4	9.6	48	976.5	–	0	1	20		22.6	10.8	7.1	58.4	270	12	0	Fair.	9
16.6	11.0	4.9	8.7	46	972.3	–	0	0	18		22.0	8.7	4.4	56.0	170	6	0	Mist.	10
17.2	13.5	10.3	12.5	64	968.1	320	6	7	15		22.2	8.2	4.2	57.8	160	23	0.6	Rainsh.	11
16.8	12.8	9.1	11.6	60	972.1	–	0	8	12		21.2	13.2	11.1	51.1	280	7	0.6	Th.storm.	12
16.0	14.0	12.3	14.4	79	969.4	120	20	8	15		18.4	12.4	10.2	18.2	080	36	14.5	"	13
14.2	13.3	12.6	14.6	90	971.6	–	0	3	18		19.3	13.0	11.6	52.2	180	19	5.4	Rain.	14
13.2	11.4	9.7	12.1	80	976.5	060	8	7	20		16.3	11.2	9.4	20.0	090	14	0.4	"	15
14.0	11.2	8.4	11.1	69	976.5	310	6	7	20		17.6	7.3	4.6		300	12	0.5	Mist.	16
15.0	12.5	10.3	12.5	73	975.1	–	0	0	14		18.9	6.4	2.6	52.1	300	5	0	"	17
15.6	11.2	6.7	9.8	55	974.9	130	4	5	20		20.7	9.3	3.5	54.2	090	12	Tr.	Rain.	18
14.0	11.1	8.2	10.9	68	975.0	280	4	0	15		20.7	9.5	5.4	51.2	270	6	0	Mist.	19
14.8	11.0	7.2	10.2	60	972.4	–	0	0	20		19.4	7.0	3.6	53.0	280	6	0	Clear.	20
18.7	12.0	4.8	8.7	40	968.0	180	8	7	14		21.0	8.8	5.2	49.5	170	14	Tr.	Rain.	21
16.3	11.9	7.5	10.4	56	968.4	–	0	1	12		21.6	15.4	9.6	56.0	160	28	0.3	Th.Storm.	22
13.6	9.5	4.8	8.7	56	973.7	–	0	7	3		18.3	8.2	4.4	51.2	270	13	0	Haze.	23
14.1	8.8	1.8	7.0	43	977.0	–	0	0	6		19.5	7.4	3.8	51.7	270	13	0	"	24
14.2	9.2	3.2	7.7	46	975.0	–	0	1	10		19.5	7.4	4.0		270	13	0	"	25
14.4	9.3	3.2	7.7	47	974.6	–	0	4	15		19.8	7.5	3.6	54.1	270	10	0	P.Cloudy.	26
12.0	7.0	-0.1	6.1	43	974.7	–	0	7	15		16.5	8.6	5.2	54.0	230	9	0	Cloudy.	27
12.1	7.4	1.0	6.6	47	976.6	–	0	0	6		16.3	5.0	0.3	51.0	270	12	0	Haze.	28
13.2	8.6	2.8	7.5	50	978.2	320	4	0	10		18.4	4.9	0.9	52.8	270	10	0	"	29
13.0	9.5	5.6	9.1	61	978.5	–	0	2	15		18.2	5.5	0.9	54.8	270	9	0	Fair.	30
15.0	9.8	3.8	8.0	47	976.3	–	0	0	12		19.8	6.4	1.6	53.2	180	13	0	Haze.	31

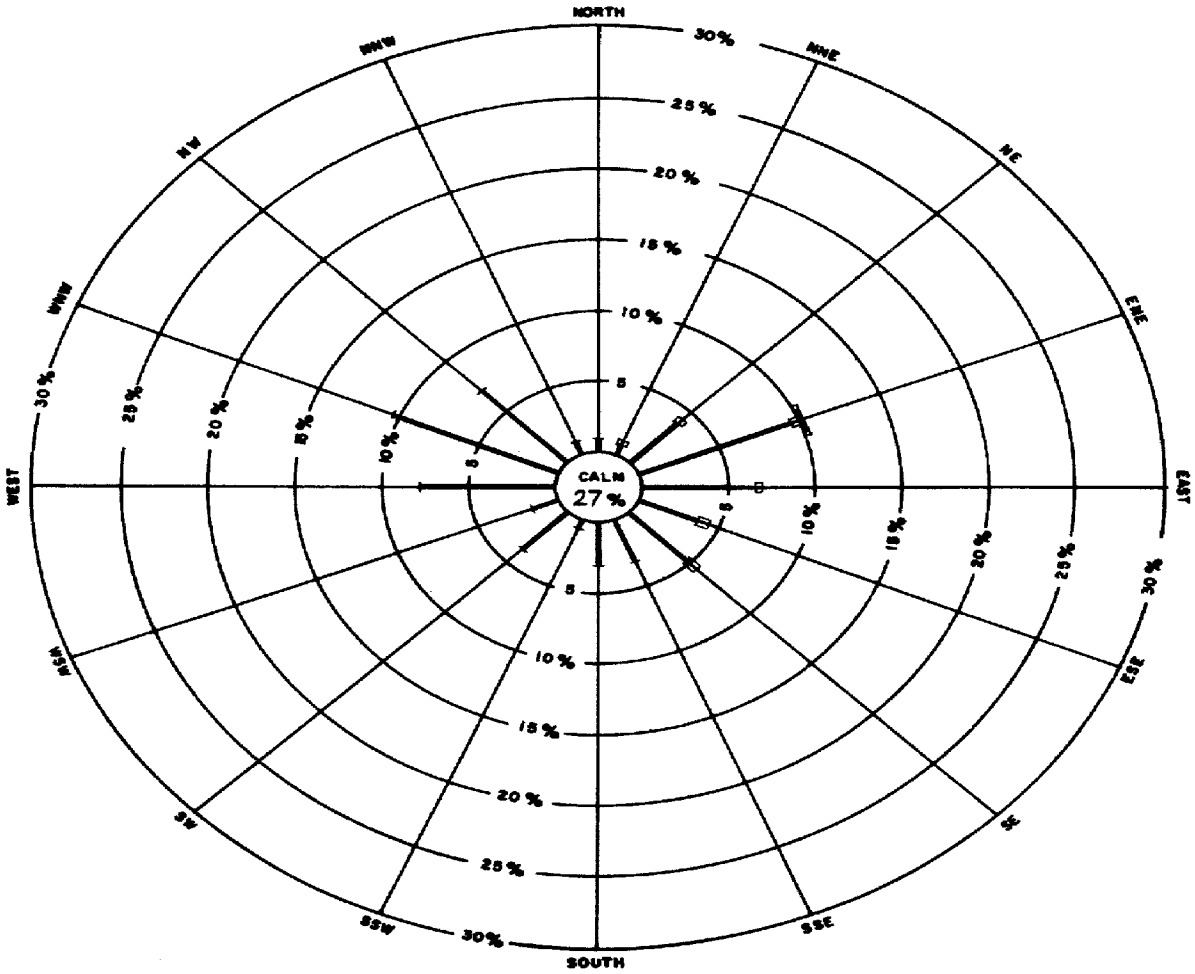
CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km
Fog: Visibility ≤ 1km
Drizzle: Raindrop diameter ≤ 0·5 mm
Rain: Rain not falling as showers
Snow: Snowfall
Rainsh.: Rain falling as showers
Hail: Solid precipitation
Th. storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-i-Sulaimen	
		Lat: 32°00' N.	Long: 49°15'

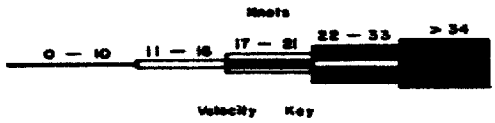


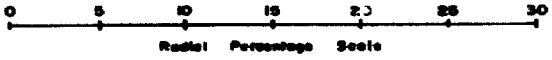
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: December	Year: 1961
	Compiled from Wind Records Summary	Station: Masjid-i-Sulei man	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Hours in month 744

Hours recorded 741



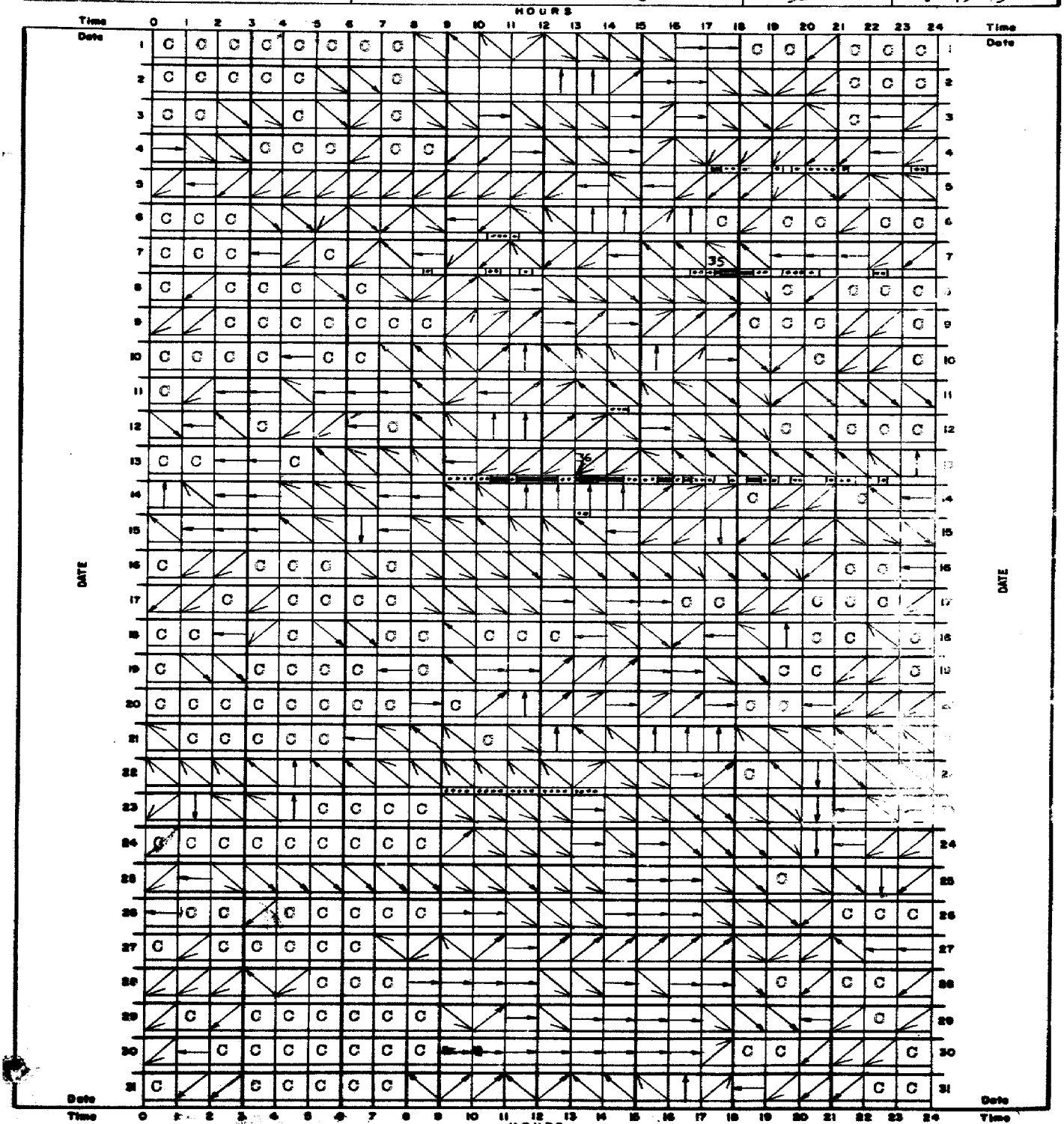


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

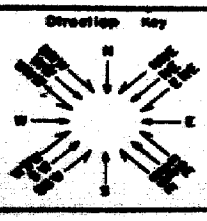
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1951
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°15' E



Velocity Key

- C — Calm
- 1 – 10 Knots
- 11 – 16
- 17 – 21
- 22 – 33
- > 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: December Year: 1961 Station: Agha Jari
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N Longs 49°50' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	3.6	2.3	0.3	6.3	80	1022.3	–	0	0	20	17.2	11.0	4.1	8.2	42	1022.4	–	0	0	15	1
2	4.1	2.8	0.8	6.5	79	1020.2	–	0	0	20	19.0	11.7	3.6	7.9	36	1024.5	–	0	0	12	2
3	5.5	3.6	0.6	6.4	71	1019.8	–	0	3	10	18.2	11.5	5.1	8.8	42	1020.6	290	2	3	30	3
4	13.1	9.2	4.6	8.6	56	1018.9	–	0	4	15	21.9	13.0	3.6	7.9	30	1019.3	060	6	8	20	4
5	17.5	12.0	6.4	9.7	49	1019.4	–	0	7	10	25.2	15.0	5.2	8.5	28	1019.4	–	0	8	30	5
6	14.8	10.0	4.4	8.4	50	1016.6	–	0	0	15	26.4	14.3	1.1	6.7	19	1016.6	140	6	7	30	6
7	16.0	10.4	4.1	8.2	45	1015.2	360	6	6	10	20.0	12.3	4.6	8.5	36	1016.9	260	8	7	30	7
8	13.0	10.0	6.8	9.9	66	1016.2	280	6	3	20	25.0	16.0	8.3	11.0	35	1014.8	360	6	3	30	8
9	10.5	9.0	7.3	10.3	81	1016.0	310	2	0	20	23.5	16.5	11.1	13.2	46	1016.8	330	4	1	20	9
10	9.4	6.6	2.8	7.5	64	1016.0	–	0	0	15	24.0	13.5	2.1	7.1	24	1015.1	330	4	0	30	10
11	11.0	7.5	2.9	7.6	58	1011.5	330	2	3	20	17.0	14.0	11.8	13.6	70	1011.6	090	8	8	10	11
12	15.4	13.2	11.3	13.5	77	1009.6	–	0	1	15	23.0	17.2	13.0	15.0	54	1012.0	–	0	1	20	12
13	18.5	14.0	10.2	12.4	58	1011.7	–	0	8	15	21.2	16.0	12.0	14.1	56	1011.8	100	12	8	20	13
14	14.3	13.8	13.4	15.4	55	1010.0	–	0	4	15	20.3	18.3	17.2	19.5	82	1011.3	180	8	7	15	14
15	11.9	11.3	10.7	12.9	93	1014.5	–	0	7	20	15.0	13.0	11.2	13.4	79	1016.8	120	6	8	20	15
16	8.5	7.9	7.2	10.2	92	1017.9	–	0	0	20	17.0	14.6	12.7	14.8	76	1017.6	320	8	4	8	16
17	6.5	5.6	4.4	8.4	87	1017.3	–	0	1	10	18.0	13.6	9.7	12.1	59	1017.2	300	6	0	14	17
18	7.0	6.0	4.7	8.6	86	1016.1	–	0	0	15	21.2	14.1	7.5	10.4	41	1016.2	150	6	7	30	18
19	11.2	9.8	8.2	10.9	82	1015.7	–	0	2	15	20.6	15.0	10.4	12.7	52	1016.9	170	5	1	20	19
20	6.3	5.4	4.2	8.3	87	1014.8	–	0	0	15	19.0	14.1	9.8	12.2	56	1015.3	–	0	0	12	20
21	10.8	9.5	8.2	10.9	84	1012.1	–	0	7	12	22.0	14.0	6.3	9.6	36	1010.2	140	24	7	2	21
22	19.5	15.8	13.0	15.0	66	1008.1	140	22	7	15	24.2	18.5	14.7	16.8	56	1007.8	130	32	7	12	22
23	9.6	6.8	3.2	7.7	64	1013.4	–	0	0	15	20.0	12.2	3.8	8.0	34	1013.8	270	6	2	12	23
24	11.2	7.6	3.1	7.6	57	1015.9	350	6	0	12	21.2	13.0	4.4	8.4	34	1017.0	310	10	0	6	24
25	7.4	5.2	2.1	7.1	69	1016.6	310	6	4	8	20.0	13.0	6.0	9.4	40	1016.5	040	4	0	8	25
26	11.3	8.3	4.7	8.6	64	1016.8	320	4	6	15	19.1	11.8	3.9	8.0	36	1016.8	020	9	5	15	26
27	10.0	7.2	3.7	8.0	65	1015.2	320	6	2	12	18.4	11.0	2.3	7.2	34	1016.0	310	22	7	15	27
28	5.3	3.6	1.0	6.6	74	1017.4	–	0	0	7	15.3	10.0	3.9	8.1	47	1017.8	180	5	0	6	28
29	4.1	2.9	1.1	6.6	81	1019.5	–	0	0	15	14.5	9.4	3.3	7.7	47	1020.0	–	0	0	12	29
30	4.0	2.8	0.9	6.5	80	1021.3	–	0	0	15	16.0	10.3	3.8	8.0	44	1021.4	–	0	0	12	30
31	4.6	2.2	-1.7	5.3	62	1019.1	–	0	0	8	17.5	11.8	5.9	9.3	47	1019.3	–	0	0	14	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8
Fair: Average of cloudiness = 1/8-2/8
P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 - 5/8
Cloudy: Average of cloudiness = 6/8 - 7/8
O-Cast: Overcast. Average of cloudiness = 8/8
Haze: Visibility reduced by dry particles
Mist: Visibility reduced by wet particles
Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met Form 5a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°36' N | Long: 49°50' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
14.8	8.2	-1.0	5.7	34	1020.3	-	0	0	20		20.4	2.6		58.0	360	8	0	Clear.	1
20.0	11.0	-0.3	6.0	26	1019.1	-	0	0	30		22.4	3.2		58.0	300	11	0	"	2
19.7	11.5	1.8	7.1	31	1018.7	-	0	7	20		22.5	4.2		61.2	360	15	0	P.cloudy.	3
18.0	11.0	2.8	7.5	37	1019.5	310	6	7	20		22.0	11.5		57.2	180	14	0	Cloudy.	4
21.0	14.5	8.8	11.4	46	1017.2	060	4	3	20		28.0	12.0		59.2	060	14	0	"	5
19.0	13.8	9.1	11.6	53	1015.0	-	0	7	30		26.5	12.5		58.8	240	8	0	"	6
20.0	13.6	7.6	10.5	45	1014.6	030	6	7	30		22.5	13.0		51.5	090	24	0	"	7
21.2	16.2	12.5	14.5	57	1014.3	330	4	6	30		27.0	11.0		63.0	320	14	0	P.cloudy.	8
18.1	12.0	5.7	9.2	44	1016.9	330	6	0	30		25.0	9.5		54.2	290	18	0	Clear.	9
20.0	12.3	4.6	8.5	36	1012.5	-	0	0	30		25.2	8.0		60.4	300	11	0	"	10
18.0	14.3	11.2	13.4	65	1006.4	100	10	4	20		23.3	9.5		45.2	100	27	1.3	Rain.	11
20.2	16.6	14.0	16.0	68	1012.1	180	6	8	15		23.8	13.5		54.0	160	24	0	P.cloudy.	12
16.0	14.7	13.7	15.7	87	1010.1	130	18	8	8		21.5	14.4		40.0	100	36	5.6	Rain.	13
16.7	15.3	14.2	16.3	86	1011.9	-	0	0	20		21.3	13.0		42.0	170	12	12.7	P.cloudy.	14
17.1	14.7	12.8	14.8	76	1016.4	250	4	0	30		22.2	10.6		41.2			0	"	15
16.5	14.0	11.9	14.0	75	1017.1	340	8	6	15		19.8	7.2		52.0	300	18	0	Mist.	16
15.0	12.8	10.9	13.1	77	1016.5	290	4	0	20		21.0	5.5		51.5	330	7	0	"	17
18.2	14.0	10.4	12.6	60	1014.9	170	2	6	30		21.8	5.4		50.4	090	10	0	P.cloudy	18
18.2	13.0	8.1	10.9	52	1015.6	290	6	0	15		22.5	9.2		57.0	300	5	0	Fair.	19
16.4	12.8	9.4	11.9	64	1013.2	270	4	0	15		20.0	4.7		52.0	280	10	0	Mist.	20
20.3	13.5	7.1	10.1	43	1008.2	140	20	7	5		24.2	9.2		45.0	140	39	0	Haze.	21
18.0	16.1	13.2	15.2	65	1008.2	290	4	1	15		25.8	18.6		58.2	150	36	Tr.	P.cloudy.	22
17.8	11.0	4.9	8.7	43	1013.8	340	16	8	5		22.5	7.7		58.4	300	19	-	Mist.	23
16.1	11.9	7.6	10.5	58	1017.1	280	6	0	7		22.5	7.9		59.2	310	23	0	Haze.	24
16.3	11.9	7.6	10.4	56	1015.1	270	10	2	12		22.6	6.1		59.2	290	15	0	"	25
17.2	10.8	3.4	7.9	40	1015.1	270	8	7	15		21.2	9.8		60.0	340	14	0	P.cloudy.	26
15.4	9.6	2.6	7.4	42	1015.9	300	6	5	6		19.0	7.5		60.2	330	23	0	Haze.	27
14.0	8.8	2.2	7.2	45	1017.8	-	0	0	15		17.1	4.0		58.0	290	13	0	"	28
											17.5	3.3		60.2	280	4	0	Clear.	29
15.1	9.7	3.3	7.7	45	1020.0	310	4	0	20		19.0	2.8		60.2	280	4	0	Mist.	30
14.8	10.0	4.6	8.5	50	1017.0	180	4	1	25		20.7	3.5		60.9	160	12	0	Haze.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

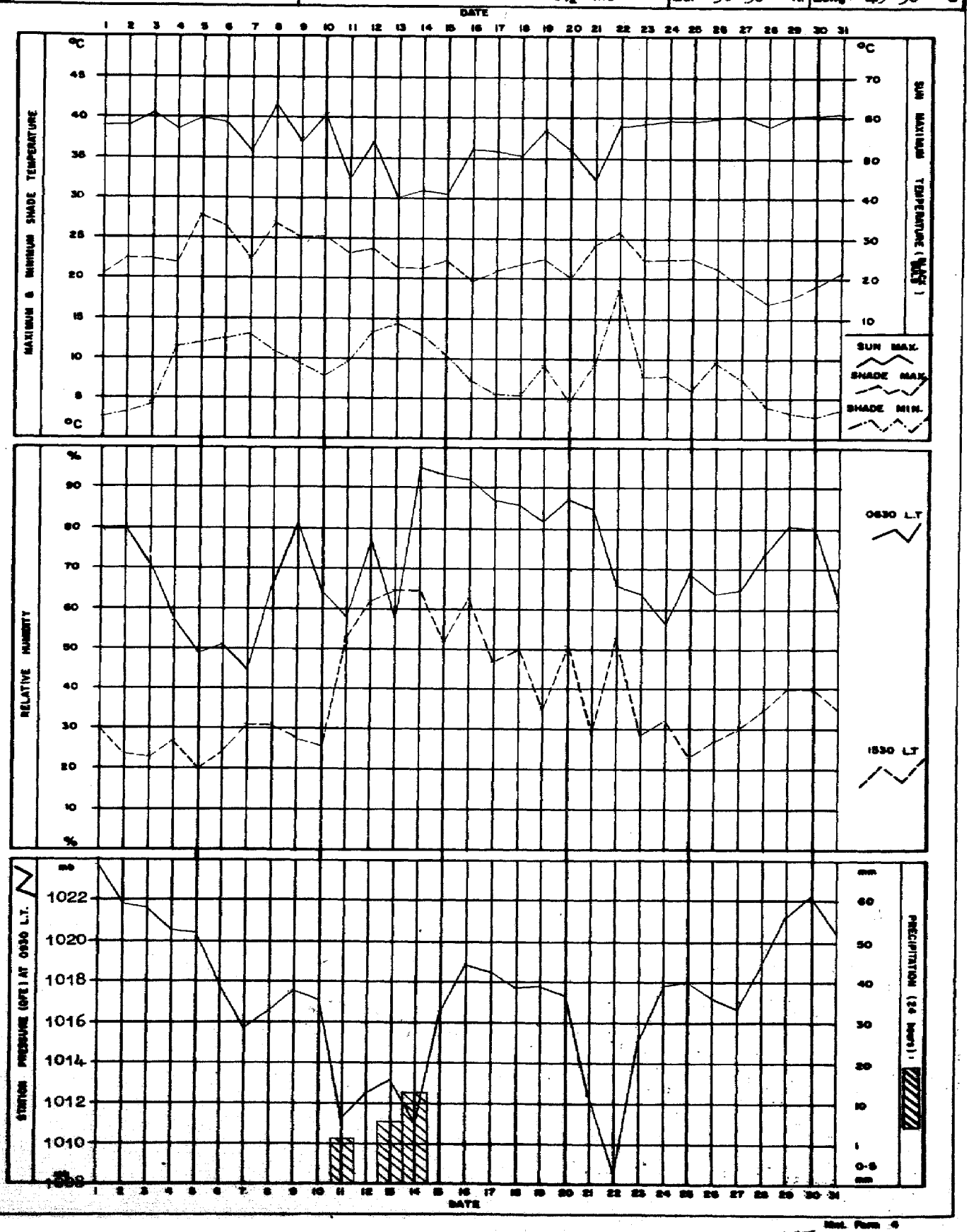
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

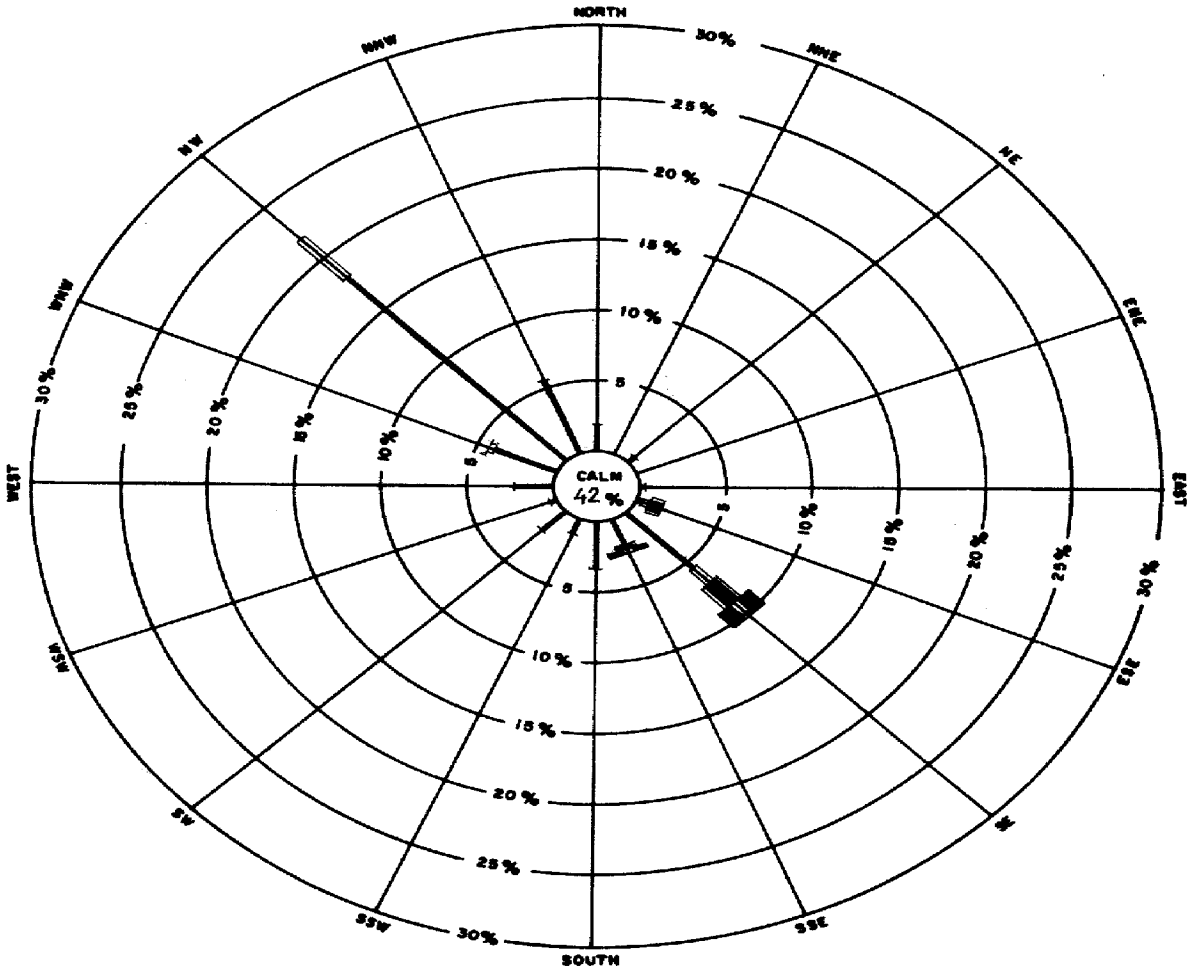
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Met. Form 4

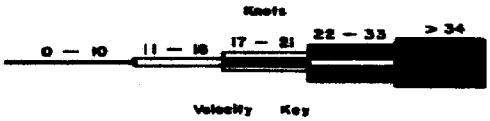
155.

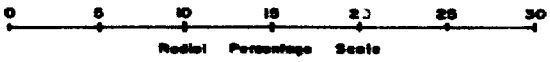
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: December	Year: 1961
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Hours in month 744

Hours recorded 744





Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

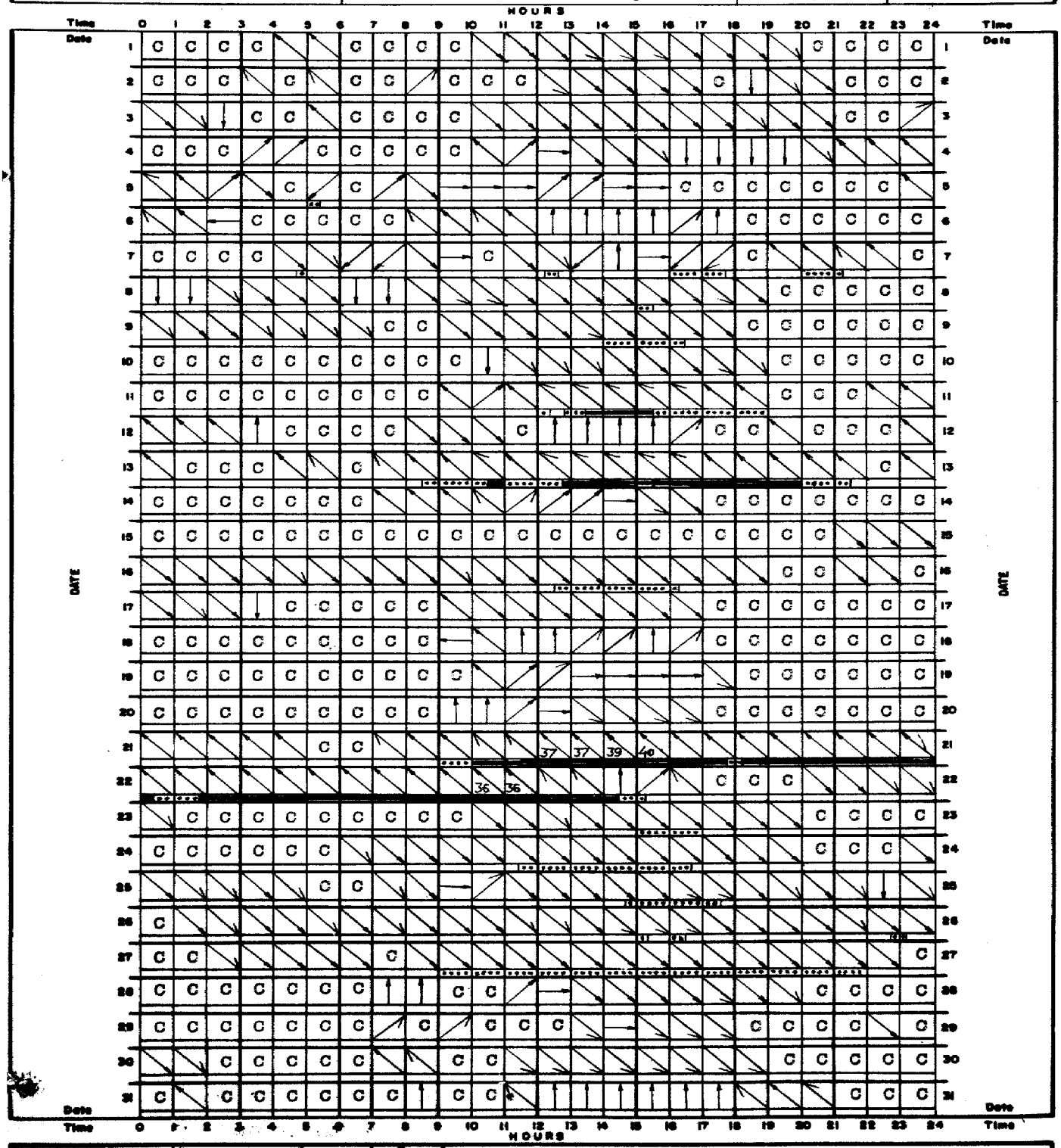
2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

156.

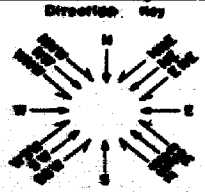
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1961
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°36' N.	Long: 49°50' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Gach Saran.

Ground Level: 709 m A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	2.0	1.5	0.7	6.4	91	939.0	–	0	0	15	17.8	9.5	-1.8	5.3	26	938.9	250	2	0	20	1
2	2.6	1.8	0.6	6.4	87	938.2	–	0	0	16	19.8	9.6	-5.8	3.8	16	938.2	150	10	0	25	2
3	4.0	2.5	0.0	6.1	75	939.0	–	0	6	14	20.4	9.7	-6.8	3.5	15	938.3	170	7	7	25	3
4	9.8	6.8	2.8	7.5	62	938.4	–	0	7	16	20.4	10.8	-2.0	5.3	22	939.1	130	6	7	25	4
5	13.2	9.0	3.9	8.1	54	939.0	060	6	7	18	21.5	11.4	-1.7	5.4	21	938.5	150	6	5	30	5
6	10.2	7.2	3.4	7.8	63	937.0	–	0	8	15	22.5	12.3	0.8	6.5	24	936.7	150	7	7	30	6
7	11.8	8.8	5.3	8.9	64	934.4	–	0	7	14	21.6	11.8	-0.1	6.0	23	934.8	090	8	7	25	7
8	10.9	8.0	4.8	8.4	65	935.0	–	0	2	20	22.0	12.8	2.7	7.4	28	934.3	120	5	4	30	8
9	7.3	6.4	5.3	8.9	87	935.0	–	0	0	25	20.2	12.1	3.1	7.6	32	935.2	240	4	0	20	9
10	5.7	3.9	1.1	6.6	72	934.9	–	0	0	30	20.1	12.6	4.8	8.6	37	933.9	–	0	0	20	10
11	6.8	5.6	4.0	8.1	82	931.8	–	0	4	20	16.4	11.0	5.1	8.8	47	931.3	260	10	8	8	11
12	13.2	11.6	10.2	12.4	82	930.1	120	7	6	16	18.2	14.1	10.6	12.8	61	931.9	150	8	8	20	12
13	12.8	9.4	5.6	9.1	61	932.4	130	8	6	16	15.0	13.1	11.5	13.6	79	933.3	–	0	8	16	13
14	12.5	11.3	10.2	12.4	86	929.8	270	6	5	14	18.0	13.9	10.4	12.6	61	930.3	–	0	4	14	14
15	7.8	7.8	7.8	10.6	100	933.8	120	5	4	3	16.2	12.0	7.8	10.6	58	934.8	250	9	6	14	15
16	4.2	4.0	3.7	8.0	97	934.9	–	0	0	20	15.4	10.5	5.1	8.8	50	934.4	240	8	5	20	16
17	3.2	3.0	2.7	7.4	96	935.5	–	0	2	16	18.9	10.9	1.2	6.7	31	934.8	140	7	0	30	17
18	3.6	3.2	2.6	7.4	94	935.3	–	0	3	15	16.2	10.5	3.9	8.1	44	934.7	–	0	7	25	18
19	6.9	6.4	5.8	9.2	93	935.3	–	0	3	14	18.5	12.1	5.5	9.0	42	935.1	–	0	5	20	19
20	4.0	3.5	2.8	7.5	92	932.9	–	0	0	18	17.0	11.0	4.3	8.3	43	933.0	130	4	0	20	20
21	8.8	7.7	6.4	9.6	85	931.5	–	0	7	20	16.0	10.6	4.6	8.5	47	931.9	130	7	7	25	21
22	12.4	10.7	9.0	11.5	80	930.8	–	0	8	8	13.6	11.3	9.9	12.2	79	929.3	120	8	8	8	22
23						931.8					17.0	12.7	8.7	11.2	58	932.1	120	6	4	14	23
24	5.8	5.7	5.6	9.1	98	933.9	–	0	0	12	15.7	11.9	8.2	10.9	61	934.7	330	2	1	16	24
25	3.4	3.2	2.9	7.6	97	934.4	–	0	5	16	16.6	11.5	6.2	9.5	50	934.6	–	0	0	20	25
26	7.9	7.0	5.9	9.3	87	934.5	–	0	7	14	17.4	10.1	0.9	6.5	33	934.3	–	0	4	18	26
27	7.3	6.8	6.2	9.5	93	932.9	–	0	7	16	16.3	10.3	3.2	7.7	42	932.7	220	2	7	18	27
28	2.6	2.3	1.8	7.0	93	933.9	–	0	0	14	13.4	9.0	3.7	8.0	52	933.8	–	0	1	16	28
29	2.2	1.8	1.3	6.7	94	936.5	–	0	0	14	14.0	9.8	5.0	8.7	55	936.3	270	5	0	18	29
30	2.2	1.8	1.3	6.7	94	937.7	110	2	0	15	15.8	10.6	4.9	8.7	49	937.7	–	0	0	20	30
31	2.4	2.0	1.4	6.8	93	937.0	–	0	0	14	17.5	10.0	0.4	6.3	32	937.1	150	6	0	25	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Gach Saran.

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°21' N Long: 50°48' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
12.5	8.2	2.8	7.5	52	937.6	–	0	0	20		19.6	1.5	0.5	53.0			0	Clear.	1
13.0	7.8	0.7	6.4	43	938.1	–	0	0	30		21.3	2.0	0.7	54.9			0	"	2
14.0	10.1	5.8	9.3	58	938.4	–	0	7	30		21.3	2.9	2.0	58.3			0	Cloudy.	3
14.3	10.3	5.9	9.3	57	938.8	–	0	7	30		20.5	8.9	7.9	53.7			0	"	4
15.4	9.3	1.7	6.9	39	937.6	–	0	2	30		23.3	11.8	11.0	56.8			0	P.Cloudy.	5
16.0	11.0	5.7	9.1	50	935.4	–	0	5	30		22.9	8.9	8.2	53.5			0	Cloudy.	6
19.2	10.6	-0.4	5.9	27	935.4	270	5	6	20		23.0	9.7	8.3	57.2			0	"	7
16.6	10.7	4.1	8.2	43	934.3	–	0	2	30		22.6	10.2	7.5	57.0			0	P.Cloudy.	8
15.0	11.5	8.1	10.8	63	935.4	–	0	0	20		21.6	5.7	4.7	53.0			0	Clear.	9
15.5	10.4	4.7	8.5	48	932.0	320	2	0	25		21.4	4.2	3.4	53.6			0	"	10
14.8	12.0	9.4	11.8	70	928.8	120	10	6	16		19.5	6.1	5.2	46.5			1.8	Rain.	11
14.4	11.4	8.5	11.1	68	932.2	110	3	8	25		19.0	12.3	11.7	48.4			0.5	O-Cast.	12
12.8	12.0	11.3	13.4	91	932.8	150	5	8	8		16.6	11.1	9.7	21.0			4.6	Rain.	13
14.0	13.0	12.2	14.2	89	930.9	350	2	1	15		19.0	11.9	9.8	51.8			36.1	"	14
12.5	10.5	8.4	11.1	77	934.8	260	6	0	18		16.5	7.0	6.6	52.8			0	Mist.	15
10.6	9.8	9.0	11.5	90	935.0	–	0	3	20		16.0	3.6	2.6	51.4			0	P.Cloudy.	16
12.2	9.8	7.3	10.2	72	935.0	–	0	0	30		20.4	2.8	1.5	53.8			0	Fair.	17
13.4	11.1	8.8	11.4	74	934.4	–	0	7	30		18.0	2.8	1.8	52.9			0	P.Cloudy.	18
12.4	9.6	6.6	9.7	68	933.8	280	2	0	20		19.3	5.8	4.7	54.0			0	"	19
12.4	10.4	8.4	11.0	77	932.3	–	0	0	25		18.7	3.3	1.8	50.2			0	Clear.	20
14.2	9.2	3.1	7.6	47	930.6	160	4	7	25		17.8	5.8	4.2	44.8			10.8	Cloudy.	21
14.6	13.4	12.4	14.4	87	929.8	–	0	7	14		16.2	10.8	9.9	44.8			0	Rain.	22
12.9	11.9	11.0	13.2	89	932.1	260	2	7	10		17.8	8.9	7.7	52.0			0	Mist.	23
11.6	8.3	4.3	8.3	61	934.7	250	5	0	16		16.6	4.6	3.9	50.5			0	"	24
12.2	9.4	6.3	9.6	67	933.6	–	0	3	25		18.5	2.9	1.6	52.0			0	Fair.	25
12.1	9.3	6.2	9.5	67	933.6	–	0	6	20		18.2	7.6	5.9	52.8			0	P.Cloudy.	26
11.4	7.5	2.3	7.3	53	932.7	250	6	7	18		16.6	6.5	4.6	51.6			0	Cloudy.	27
9.6	6.5	2.2	7.2	60	934.7	270	2	0	16		14.6	2.5	0.7	48.0			0	Haze.	28
[illegible].8	7.1	2.1	7.1	55	936.6	260	5	0	18		16.0	1.1	0.3	50.0			0	Clear.	29
11.6	8.5	4.8	8.6	63	937.5	–	0	0	20		18.2	1.1	0.0	51.2			0	"	30
12.6	7.5	0.4	6.3	43	936.2	–	0	0	25		19.0	1.9	0.6	52.0			0	Fair.	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

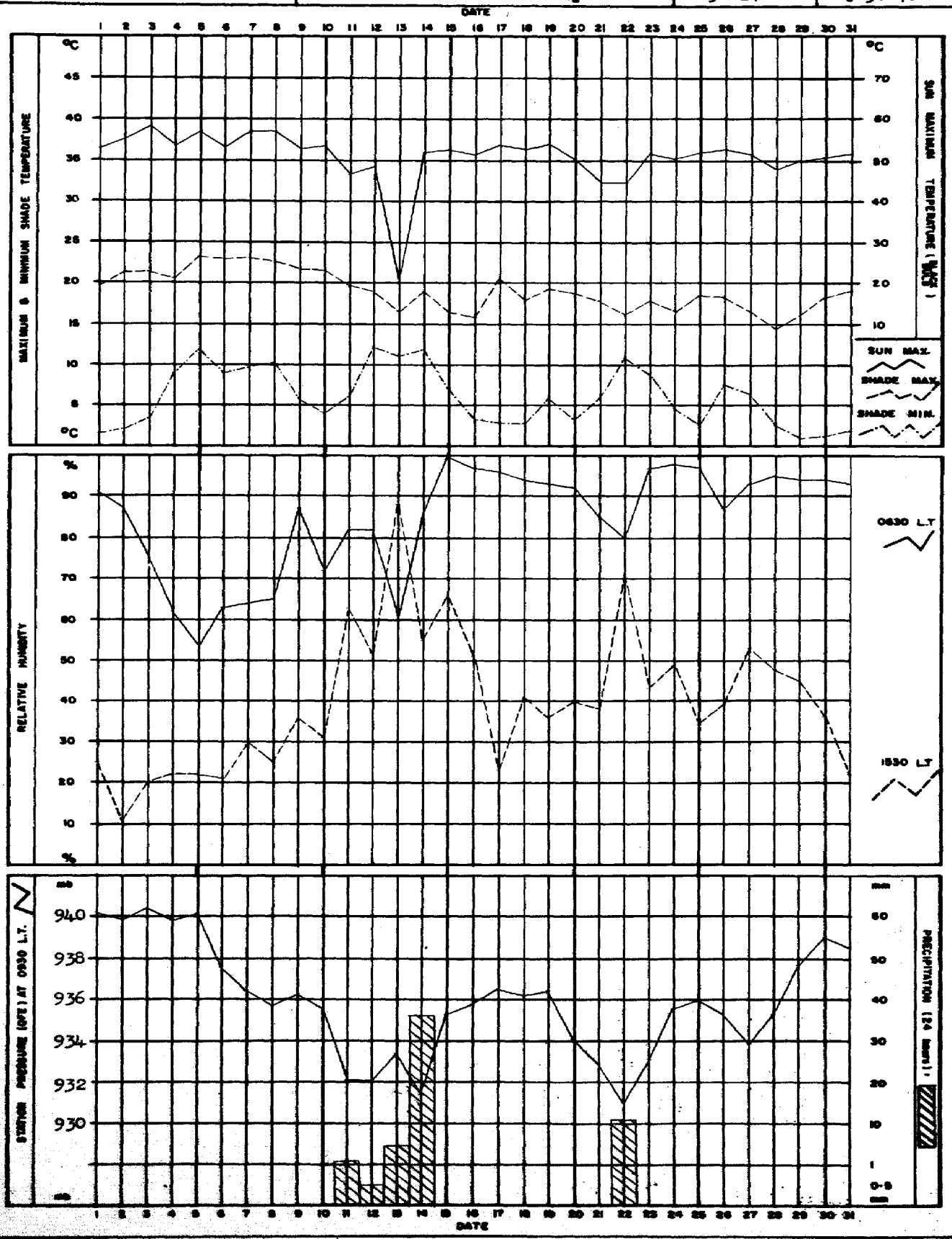
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°21' N.	Long: 50°48' E



IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Kut Abdullah

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°13' N Long: 48°40' E.

Date	Observations at 0630										Observations at 1230										Date
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	
1																					1
2	4.0	2.2	-0.7	5.7	71		300	6	0	12	21.0	12.2	2.2	7.3	29		270	3	0	20	2
3	4.6	3.0	0.4	6.2	74		280	2	1	15	20.2	13.0	5.6	9.2	38		270	4	2	15	3
4	11.9	8.7	5.0	8.8	63		290	4	8	15	19.3	12.0	3.9	8.1	36		300	10	8	15	4
5	11.8	9.4	6.7	9.8	72		360	4	6	20	24.6	15.3	6.9	10.0	32		300	2	6	15	5
6	13.9	10.4	6.7	9.9	63		360	6	6	15	24.7	15.1	6.1	9.2	30		130	7	8	20	6
7	15.6	11.4	7.2	10.0	57		–	0	8	20	18.0	14.4	11.5	13.6	66		360	8	8	20	7
8																					8
9	9.0	9.0	9.0	11.5	100		280	2	0	0.1	20.4	15.1	10.8	13.1	53		270	10	0	20	9
10	6.3	5.7	5.0	8.6	92		330	8	0	20	21.5	15.5	10.6	13.0	49		350	6	0	15	10
11	8.7	6.6	3.9	8.2	72		360	6	1	20	21.4	13.5	5.7	9.2	36		100	18	6	20	11
12	10.4	9.6	8.9	11.3	90		300	8	2	14	21.1	16.3	12.8	14.8	59		310	8	0	20	12
13	13.8	12.1	10.6	12.9	81		050	10	8	20	15.4	14.6	14.1	16.2	92		080	20	8	20	13
14	12.8	12.7	12.7	14.6	99		100	6	8	12	18.9	15.5	13.0	15.0	69		200	12	0	20	14
15																					15
16	6.9	6.6	6.3	9.6	95		310	7	0	15	18.4	13.8	9.7	12.1	58		320	14	0	20	16
17	4.1	3.8	3.3	7.7	94		–	0	0	20	15.7	11.7	7.8	10.7	59		270	4	0	20	17
18	5.5	5.2	5.0	8.7	95		020	8	0	15	18.0	14.5	11.6	13.7	66		–	0	6	20	18
19	8.0	7.4	6.7	9.9	92		090	2	1	15	17.6	13.0	8.7	11.3	57		270	3	0	10	19
20	6.0	5.4	5.0	8.6	91		300	6	0	12	15.7	12.3	9.1	11.5	64		290	8	0	20	20
21	8.2	6.2	3.5	7.9	72		090	10	4	20	21.0	15.0	10.0	12.3	49		100	20	0	6	21
22																					22
23	7.2	6.2	5.0	8.7	85		100	2	0	20	19.0	12.0	4.4	8.3	38		280	4	0	8	23
24	6.8	5.5	3.7	7.9	80		300	6	0	10	19.4	12.6	5.6	9.1	40		290	14	0	15	24
25	6.0	5.0	3.5	7.9	84		300	6	0	20	19.3	12.8	6.3	9.6	42		280	6	0	15	25
26	8.7	6.4	3.4	7.9	69		300	8	3	20	17.1	11.4	5.2	9.0	45		300	14	3	15	26
27	7.8	5.3	1.7	6.9	65		350	8	1	20	17.2	11.2	4.7	8.5	44		280	18	6	20	27
28	1.1	0.6	-0.3	6.0	91		300	6	0	15	16.0	10.7	4.7	8.6	46		270	6	0	20	28
29																					29
30	3.4	2.8	2.8	7.0	91		300	6	0	20	16.1	11.8	7.5	10.4	56		300	8	0	20	30
31	2.3	1.6	0.6	6.2	88		190	2	0	20	17.6	12.0	6.3	9.6	48		180	2	1	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Kut Abdullah.

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°13' N Long: 48°40' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		Date
13.4	8.0	0.6	6.4	41		270	6	0	20		20.0	2.4	1.0	56.1			0	Clear.	1
16.7	10.5	3.3	7.8	40		280	4	0	20		22.3	2.3	1.5	58.4			0	"	2
16.0	10.6	4.6	8.6	47		280	4	8	20		23.2	3.4	1.3	60.8			0	P.Cloudy	3
17.8	11.7	5.3	8.8	43		320	20	8	20		19.8	11.4	10.3	61.0			0	O-cast.	4
18.4	12.6	6.9	10.0	46		300	4	7	20		25.9	11.3	9.2	61.3			0	Cloudy.	5
19.2	12.5	6.1	9.4	41		090	4	5	20		26.6	12.7	10.8	62.0			0	"	6
17.2	13.4	10.0	12.4	62		090	16	0	20		19.5	13.7	13.0	33.0			1.0	Rain.	7
21.4	16.1	12.2	14.1	55		270	6	0	15		26.0	10.4	9.0	60.3			0	Clear.	8
16.3	12.5	9.0	11.5	62		300	7	0	20		22.5	8.4	8.0	57.4			0	Fog.	9
18.0	14.0	10.6	12.8	62		360	2	0	20		22.6	5.7	4.8	57.2			0	Clear.	10
12.4	10.4	8.3	11.0	76		080	10	2	20		22.8	7.7	6.7	54.0			Tr.	Rain.	11
16.8	13.4	10.4	12.7	66		300	6	8	20		22.2	7.0	6.2	54.0			0	P.cloudy	12
17.4	16.2	15.4	17.5	88		140	35	3	15		19.5	11.8	10.7	33.5			7.6	Rain.	13
15.7	14.0	12.7	14.7	82		200	2	0	20		19.6	11.5	10.9	53.0			0.8	"	14
15.0	13.2	11.7	13.8	80		290	4	0	15		19.7	9.3	8.2	53.0			0.5	Fair.	15
15.3	12.0	8.8	11.4	65		280	8	6	20		20.0	6.3	4.9	55.8			0	"	16
12.7	10.6	8.6	11.2	75		040	6	0	20		19.8	3.4	1.6	55.3			0	Mist.	17
16.4	14.2	12.4	14.5	77		090	2	6	20		20.0	3.3	3.3	56.0			Tr.	Rain.	18
15.7	11.8	7.8	10.6	60		290	6	0	20		20.0	6.8	4.3	46.0			0	Clear.	19
16.0	11.6	7.2	10.2	55		180	2	0	20		20.0	4.7	3.3	51.0			0	"	20
19.0	17.3	16.1	18.3	84		120	34	0	15		22.3	6.0	5.2	52.0			0	Haze.	21
17.0	11.2	4.0	8.3	43		300	25	0	16		23.0	7.2	6.0	55.5			0	Clear.	22
14.0	11.2	8.3	11.0	70		300	6	0	15		19.8	6.8	6.6	54.8			0	Haze.	23
15.8	11.0	8.3	11.0	62		280	8	0	20		20.5	6.4	4.9	54.0			0	Clear.	24
16.6	10.8	4.2	8.4	44		300	10	0	20		21.6	5.2	3.1	51.0			0	"	25
14.2	10.1	5.6	9.1	56		270	12	4	20		18.7	7.5	6.5	51.5			0	P.cloudy.	26
14.0	11.2	8.3	11.0	70		270	8	3	15		18.6	6.3	5.0	50.2			0	"	27
13.2	10.0	6.5	9.8	64		300	2	0	20		17.4	0.0	-1.6	50.0			0	Clear.	28
15.0	11.1	7.1	10.1	58		270	10	0	15		18.2	4.2	3.3	54.2			0	"	29
15.2	12.0	9.0	11.5	65		–	0	1	15		18.6	2.7	1.7	53.4			0	"	30
12.9	9.8	6.4	9.7	65		150	6	0	20		19.8	1.6	0.2	55.6			0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Bandar Mashur

Ground Level: 8 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°33' N | Long: 49°09' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	2.2	0.6	-2.2	5.1	71	1024.0	290	4	0	20	17.0	9.6	0.0	6.1	32	1023.8	310	8	0	30	1
2	3.0	1.0	-2.6	5.0	66	1021.9	300	5	0	12	17.8	10.8	2.6	7.0	36	1022.3	290	2	0	25	2
3	4.4	2.2	-1.6	5.4	65	1021.5	300	2	6	12	19.8	11.2	0.7	6.4	28	1021.8	300	7	5	20	3
4	12.8	9.4	5.5	9.0	61	1020.7	350	4	8	15	21.1	11.8	0.6	6.4	26	1021.5	-	0	8	15	4
5	13.0	9.0	4.3	8.3	56	1021.4	340	2	4	15	24.0	14.0	3.8	8.0	27	1020.7	340	8	6	20	5
6	13.6	10.0	6.0	9.4	61	1019.7	360	2	7	12	24.6	14.6	4.8	8.6	28	1019.3	260	8	7	20	6
7	15.2	11.2	7.1	10.1	59	1016.5	360	7	7	15	18.4	11.8	4.7	8.5	40	1016.9	340	8	8	15	7
8	13.8	11.6	9.6	11.9	76	1017.5	290	9	3	15	24.0	17.0	11.7	13.8	46	1016.4	320	9	6	25	8
9	10.8	10.0	9.2	11.7	91	1017.3	290	3	0	12	20.8	15.4	11.1	13.2	54	1018.6	310	7	0	15	9
10	8.4	6.8	4.8	8.5	78	1017.3	290	2	0	15	21.6	13.2	4.6	8.5	33	1016.9	330	7	0	30	10
11	11.2	7.8	3.6	7.9	60	1012.6	030	4	4	15	18.5	14.4	11.0	13.1	62	1012.5	060	10	6	15	11
12	11.4	9.4	7.2	10.2	76	1010.9	280	4	2	14	20.8	15.4	11.1	13.2	54	1013.8	330	9	8	15	12
13	15.6	13.6	11.6	13.7	73	1013.1	060	4	8	15	19.6	16.8	14.8	16.9	74	1012.0	070	18	8	15	13
14	15.0	14.5	14.1	16.1	95	1021.3	090	2	5	15	19.5	15.0	11.4	13.5	69	1012.8	210	10	4	16	14
15	14.0	13.0	12.2	14.2	89	1017.0	100	2	7	18						1017.5	200	3			15
16	7.0	6.6	6.2	9.5	95	1019.5	260	6	1	15	17.0	14.2	12.0	14.0	72	1020.1	300	12	4	14	16
17	5.4	4.4	2.9	7.6	85	1020.1	220	4	0	25	16.0	12.6	9.5	11.9	66	1018.7	230	7	0	20	17
18	5.8	4.8	3.2	7.7	84	1017.8	-	0	2	15	17.6	13.2	9.2	11.7	58	1017.7	-	0	6	20	18
19	9.8	8.6	7.2	10.2	85	1018.0	-	0	5	12	18.6	13.4	8.6	11.2	52	1018.2	280	5	0	20	19
20	5.6	4.4	2.6	7.4	81	1016.4	270	3	0	20	14.6	11.6	8.7	11.3	68	1016.8	290	7	0	25	20
21	[illegible]	[illegible]	[illegible]	[illegible]	91	1013.1	050	5	6	15	19.2	16.4	13.9	15.9	69	1016.0	120	4.5	5	5	21
22	17.8	16.4	15.3	17.6	87	1008.7	120	15	5	15	22.8	17.4	13.6	15.6	56	1008.8	150	14	1	20	22
23	17.4	11.8	6.0	9.4	47	1015.4	280	5	0	20	19.0	12.0	4.4	8.4	38	1015.7	-	0	0	5	23
24	7.8	5.8	3.0	7.6	72	1017.7	300	4	0	6	19.0	12.0	4.4	8.4	38	1019.6	300	8	0	8	24
25	6.4	4.6	2.1	7.1	74	1018.3	300	3	2	20	19.0	12.0	4.4	8.4	38	1018.5	310	9	0	25	25
26	10.8	7.6	3.5	7.8	61	1018.2	280	10	8	15	17.8	10.8	2.6	7.3	36	1018.2	300	12	4	20	26
27	8.6	5.8	1.8	7.0	63	1017.2	300	6	3	20	17.8	11.0	3.2	7.7	38	1017.9	310	17	6	12	27
28	4.8	3.8	2.2	7.2	84	1018.9	-	0	0	20	16.3	10.0	2.4	7.3	39	1019.1	300	5	0	25	28
29	3.5	2.8	1.7	6.9	88	1021.0	280	3	0	12	15.2	11.2	7.1	10.1	59	1021.2	280	12	0	20	29
30	4.2	3.2	1.7	6.9	84	1022.4	270	4	0	16	15.0	11.0	6.8	9.9	58	1022.9	270	4	0	20	30
31	3.4	2.4	0.8	6.5	84	1020.6	-	0	1	14	18.2	12.2	6.1	9.5	45	1020.8	-	0	0	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8-2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Mgt. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Bandar Mashur.

Ground Level: 8 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°09' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
13.8	7.8	-0.7	5.8	37	1021.8	310	5	0	30		20.2	2.1	1.7	50.9	300	16	0	Clear.	1
15.4	9.2	1.2	6.7	38	1020.9	300	3	0	30		22.5	2.5	2.7	55.2	300	12	0	"	2
17.4	11.2	4.0	8.3	40	1020.8	300	2	8	30		22.6	4.0	3.6	55.7	300	10	0	Cloudy.	3
18.0	11.4	4.1	8.2	40	1021.7	360	8	8	25		21.5	11.5	10.4	39.4	300	10	0	Overcast.	4
21.5	14.7	8.8	11.3	44	1019.9	-	0	8	25		26.0	12.0	10.9	52.2	290	10	0	P.cloudy.	5
20.4	14.3	8.9	11.4	48	1017.2	140	8	5	18		25.2	13.0	11.9	56.0	180	9	0	Cloudy.	6
18.4	14.4	11.1	13.2	63	1014.7	070	18	8	12		20.6	13.8	12.9	27.0	090	26	0.5	Rain	7
20.4	15.4	11.4	13.5	56	1016.1	290	2	2	30		26.0	10.6	10.0	49.3	330	12	0	P.cloudy.	8
16.8	11.4	5.7	9.2	48	1018.0	310	5	0	20		24.2	9.5	9.4	50.6	300	15	0	Clear.	9
17.8	11.8	5.4	9.0	44	1014.2	-	0	0	30		24.2	7.2	7.0	52.0	350	11	0	"	10
19.8	15.8	12.7	14.7	64	1007.7	090	15	3	25		23.8	9.8	9.4	51.3	100	24	0.4	Rain.	11
18.4	14.4	11.1	13.2	63	1013.6	280	2	8	15		23.0	10.2	9.7	46.1	340	16	0	Cloudy.	12
18.8	16.6	15.1	17.2	80	1001.5	140	24	8	15		20.5	14.8	12.4	29.4	150	34	3.4	Rain.	13
18.0	15.5	13.2	15.2	74	1013.9	-	0	0	15		21.2	13.0	12.4	46.7	220	12	8.0	P.cloudy.	14
17.0	14.2	12.0	14.0	72	1018.8	280	4	0	25		21.0	10.0	9.5	46.1	300	13	0	"	15
15.2	12.4	9.9	12.2	71	1018.7	240	6	2	25		19.4	6.6	6.2	51.1	310	20	0	"	16
14.2	11.4	8.7	11.3	70	1017.7	-	0	0	25		20.0	4.5	3.5	42.8	310	14	0	Clear.	17
16.2	13.2	10.6	12.8	70	1016.7	-	0	3	25		19.6	4.8	5.0	45.0	270	[illegible]	0	P.cloudy.	18
15.6	11.4	7.1	10.1	57	1017.0	300	7	1	20		20.6	9.0	7.6	43.6	280	12	0	Fair.	19
14.8	12.6	10.7	12.8	76	1014.8	-	0	0	25		18.8	4.8	4.5	41.7	290	12	0	Clear.	20
19.4	17.2	15.7	17.9	80	1008.9	120	22	5	15		21.4	9.0	8.2	48.7	130	39	Tr.	Haze.	21
17.8	11.8	5.4	9.0	44	1011.1	270	9	0	20		23.5	16.2	14.6	45.0	130	25	0	Fair.	22
16.8	11.2	5.2	8.8	46	1015.5	340	5	0	8		20.5	14.8	11.8	39.4	350	12	0	Haze.	23
15.8	10.2	3.7	8.0	45	1018.7	300	2	1	15		23.5	7.0	6.6	37.9	290	16	0	"	24
15.6	11.4	7.1	10.1	57	1017.2	280	3	6	20		21.5	5.7	5.4	41.7	300	15	0	Fair.	25
15.4	9.2	1.2	6.7	38	1017.2	300	5	7	20		19.6	9.6	9.3	43.1	300	18	0	Cloudy.	26
15.8	10.3	3.9	8.1	45	1017.7	330	8	6	7		19.3	8.0	7.4	48.9	320	25	0	Haze.	27
12.8	8.2	2.2	7.2	49	1019.6	310	3	0	25		17.9	4.0	2.7	39.3	310	11	0	Clear.	28
13.8	9.8	5.3	8.9	57	1020.9	280	7	0	12		18.7	3.3	2.7	31.6	290	21	0	Haze.	29
12.8	10.2	7.5	10.4	71	1021.3	-	0	0	20		19.0	3.2	3.0	30.0	290	14	0	Clear	30
15.0	11.2	7.3	10.3	60	1018.7	190	4	1	20		19.7	2.8	2.1	41.7	180	7	0	Fair	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

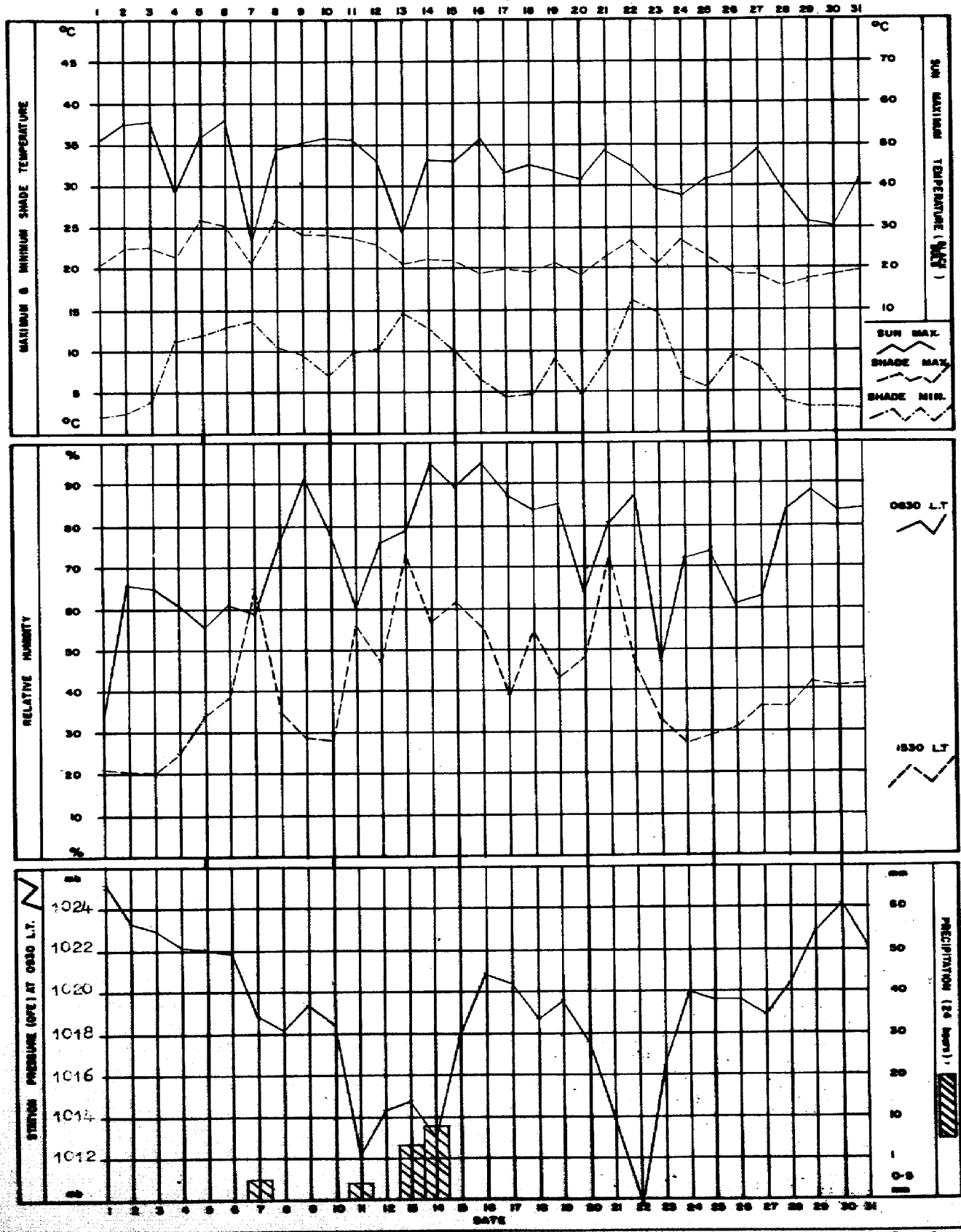
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

Met.

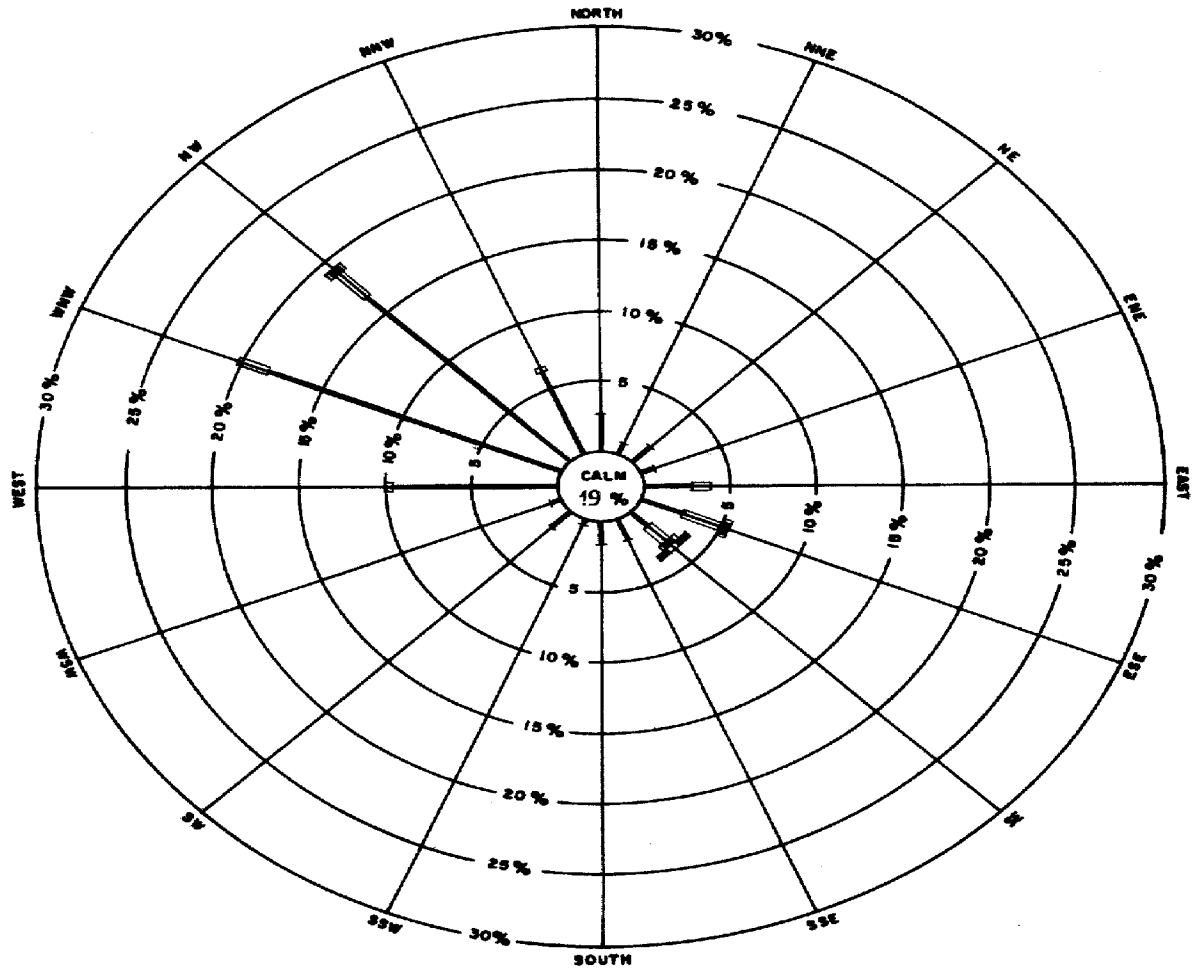
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Met. Form 4

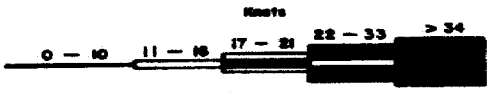
165.

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: December	Year: 1961
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E

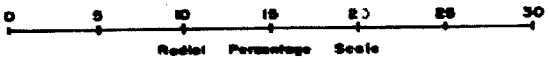


Hours in month 744

Hours recorded 744



Velocity Key



Radial Percentage Scale

Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

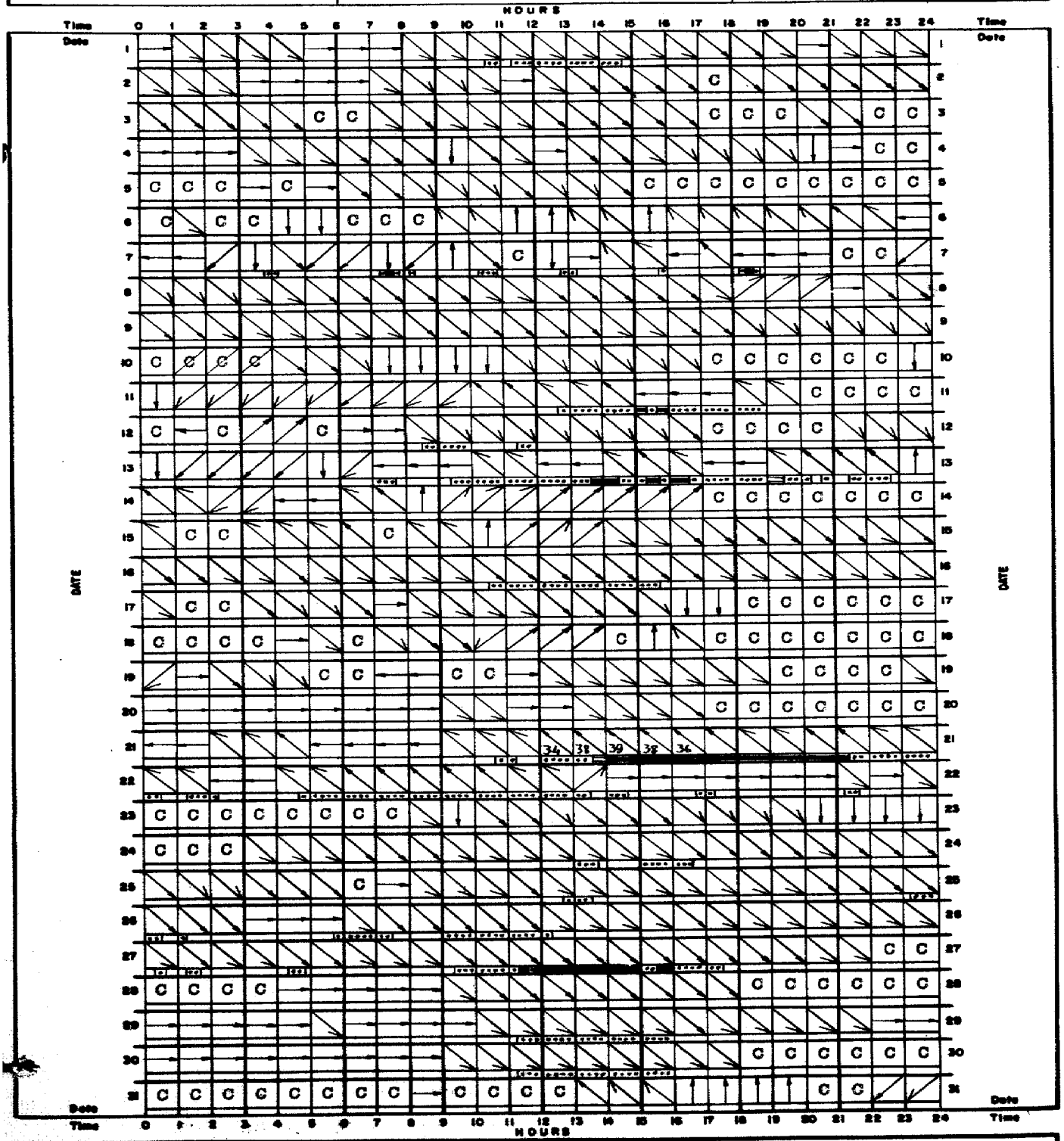
2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 8

166.

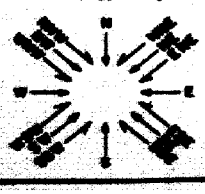
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1961
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key

	Color
C	
	1 – 10 knots
	11 – 16
	17 – 21
	22 – 33
	> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

	Observations at 0630										Observations at 1230										
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility	
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km	Date
1	16.0	11.4	6.7	9.8	54	1022.8	360	18	0	20	18.8	12.4	5.9	9.3	43	1023.1	300	12	0	20	1
2	16.8	12.0	7.2	10.2	53	1021.0	340	6	0	20	20.5	15.4	11.3	13.4	56	1021.2	330	10	0	20	2
3	17.0	14.0	11.5	13.6	70	1021.0	360	5	5	20	21.6	14.4	7.8	10.6	41	1021.0	360	4	6	20	3
4	15.8	13.0	10.5	12.7	71	1020.3	360	2	6	20	22.4	16.2	11.4	13.5	50	1020.6	360	3	7	20	4
5	19.0	15.6	13.1	15.0	68	1020.7	100	5	7	20	23.2	17.2	12.8	14.8	52	1021.0	060	4	7	20	5
6	16.8	15.2	14.0	16.0	84	1018.1	090	5	8	20	22.4	15.4	9.3	11.9	43	1018.5	060	5	7	20	6
7	17.4	16.4	15.8	17.9	90	1016.6	–	0	6	20	25.0	17.0	10.8	13.0	41	1017.1	–	0	6	20	7
8	17.2	15.0	13.3	15.3	78	1015.9	–	0	3	20	21.8	18.0	15.5	17.6	67	1016.2	320	8	5	20	8
9	19.2	16.2	14.1	16.0	72	1016.6	360	8	0	30	22.0	18.0	15.3	17.4	65	1018.2	300	10	0	20	9
10	19.3	14.9	11.3	13.4	60	1016.8	300	15	0	20	22.4	16.2	11.4	13.5	50	1016.1	330	8	0	20	10
11	18.4	14.4	11.1	13.2	62	1013.0	090	4	5	20	23.2	18.2	14.8	16.9	59	1011.4	090	5	4	20	11
12	20.2	19.0	18.2	21.0	89	1011.7	030	2	8	10	21.6	19.4	18.1	20.8	81	1013.7	360	3	7	20	12
13	20.6	17.6	15.6	17.8	73	1013.4	100	12	7	20	23.0	21.0	19.9	23.3	83	1014.2	070	10	8	20	13
14	19.6	18.4	17.6	20.2	89	1011.8	060	10	6	15	24.2	19.0	15.7	17.8	57	1012.4	100	2	0	20	14
15	14.0	13.0	12.2	14.2	89	1016.6	–	0	0	20	21.6	16.0	11.6	13.7	53	1018.2	310	4	2	20	15
16	16.4	12.6	9.1	11.5	62	1018.3	320	15	1	20	18.2	13.8	10.0	12.3	59	1018.7	320	15	7	20	16
17	16.0	13.4	11.2	13.3	73	1018.3	330	14	1	20	19.2	14.0	9.5	11.9	53	1018.3	360	10	0	20	17
18	13.6	12.6	11.7	13.8	89	1017.0	070	2	4	20	20.0	15.8	12.5	14.5	62	1017.6	360	2	5	20	18
19	14.0	13.6	13.3	15.3	95	1018.0	–	0	1	20	20.4	14.8	10.0	12.3	51	1018.5	360	6	2	20	19
20	16.2	12.6	9.3	11.7	63	1016.4	030	5	0	20	19.2	14.6	10.8	13.0	58	1017.1	330	10	1	20	20
21	16.0	14.2	12.8	14.8	81	1014.3	100	5	6	20	21.6	18.0	15.6	17.8	69	1014.3	150	18	7	20	21
22	21.8	19.2	17.6	20.2	77	1010.3	150	20	7	15	24.0	17.4	12.6	14.6	49	1010.2	180	25	5	15	22
23	17.0	11.2	4.9	8.7	45	1015.4	020	26	0	20	20.8	13.6	6.7	9.8	40	1016.0	320	8	1	20	23
24	18.0	12.4	6.8	9.9	48	1015.8	340	15	1	20	20.8	14.4	8.7	11.3	46	1018.8	330	20	0	5	24
25	16.8	12.8	9.1	11.6	60	1017.7	360	16	5	10	20.0	14.0	8.1	10.8	46	1017.8	310	16	0	15	25
26	17.0	14.0	11.5	13.6	70	1017.6	360	8	6	20	17.2	13.8	10.9	13.1	67	1018.4	330	8	7	20	26
27	16.4	12.4	8.6	11.2	60	1017.0	320	7	5	20	19.2	13.8	9.1	11.5	53	1017.2	320	16	2	20	27
28	14.6	10.8	6.8	9.9	60	1019.0	330	12	0	20	17.0	12.4	8.0	10.7	55	1019.3	300	6	1	20	28
29	15.0	11.4	7.8	10.6	62	1021.4	320	10	0	20	16.4	13.4	10.8	13.0	70	1021.4	320	12	0	20	29
30	14.6	12.0	9.6	12.0	72	1022.6	310	8	0	20	17.8	13.8	9.8	12.2	60	1022.5	300	10	0	20	30
31	11.0	9.8	8.6	11.2	85	1021.0	–	0	0	15	18.2	14.0	10.4	12.6	60	1021.3	020	2	0	20	31

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°15' N Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
18.0	11.8	5.3	8.9	43	1021.1	320	12	0	20		20.6	16.0	11.8	53.0	330	25	0	Clear.	1
19.0	14.8	10.9	13.1	59	1020.4	320	8	0	20		21.4	16.7	11.0	53.5	350	19	0	"	2
19.8	15.0	11.1	13.2	57	1020.1	310	10	5	20		22.6	17.0	10.4	59.9	330	15	0	Cloudy.	3
20.0	15.4	11.8	13.9	59	1020.9	360	7	6	20		23.2	15.5	9.5	54.2	330	16	Tr.	Rain.	4
21.0	17.8	15.7	17.8	72	1018.9	320	5	8	20		24.7	19.0	11.8	56.0	330	9	0	Cloudy	5
18.6	16.0	14.1	16.1	66	1016.7	–	0	7	20		23.8	16.4	9.9	57.5	030	5	0	"	6
21.2	16.5	12.8	14.8	59	1015.2	320	12	7	20		26.2	16.4	11.6	60.0	360	23	Tr.	Rain.	7
20.8	16.4	13.2	15.1	61	1015.8	300	4	3	20		22.6	17.0	10.0	54.0	340	17	Tr.	P.cloudy.	8
20.8	16.6	13.6	15.5	63	1017.3	320	12	0	20		22.6	19.0	14.0	54.8	330	20	0	Clear.	9
21.0	16.0	12.2	14.2	57	1013.9	330	4	0	20		23.8	19.2	15.0	54.0	360	20	0	"	10
22.2	19.6	18.1	20.8	78	1009.2	100	8	5	20		25.0	14.4	11.4	55.0	180	20	0	P.cloudy.	11
19.0	18.0	17.3	19.8	90	1014.0	360	2	5	20		22.6	19.0	16.0	50.0	300	23	0.7	Th.storm.	12
21.0	18.6	17.1	19.5	79	1012.4	070	12	8	8		23.5	18.4	12.8	25.0	100	28	2.5	Rain.	13
19.0	16.6	14.9	17.0	77	1013.4	360	4	0	20		24.6	18.5	14.8	54.0	220	40	1.2	Fair.	14
19.2	15.4	12.5	14.5	65	1017.5	320	10	0	20		22.0	14.0	8.2	54.8	340	23	0	"	15
17.2	13.6	10.4	12.7	65	1018.6	320	15	3	20		19.4	16.0	12.4	52.0	330	29	0	P.cloudy.	16
17.0	13.8	11.1	13.2	68	1017.6	320	8	0	20		20.2	16.0	11.7	53.6	330	23	0	Clear.	17
17.0	15.0	13.5	15.5	80	1016.8	350	2	5	20		20.6	12.4	6.0	53.0	020	6	0	P.cloudy	18
17.8	14.2	11.3	13.4	65	1017.3	320	6	0	20		21.0	13.6	7.6	53.6	320	6	0	Fair.	19
14.4	12.8	11.4	13.5	83	1016.2	–	0	0	20		20.0	16.0	11.4	52.0	310	11	0	Clear.	20
21.2	18.0	15.8	18.0	71	1011.5	150	25	4	6		22.5	13.6	5.7	46.0	170	39	0	Haze.	21
19.4	18.6	18.1	20.8	92	1012.2	–	0	0	20		24.6	19.4	17.4	49.5	170	36	Tr.	Rain.	22
17.8	13.2	9.0	11.5	56	1015.4	300	8	3	20		20.9	17.0	11.8	53.0	330	24	0	Fair.	23
19.0	13.4	8.2	10.9	50	1018.3	330	14	0	6		21.4	17.6	13.5	51.5	330	25	0	Haze.	24
18.2	13.6	9.5	11.9	57	1017.2	320	15	7	20		20.6	16.8	12.8	52.8	330	25	0	P.cloudy.	25
17.0	13.2	9.8	12.2	63	1017.2	360	6	8	20		18.7	16.6	12.9	37.2	330	20	Tr.	Rain.	26
17.6	11.6	5.1	8.8	44	1017.0	320	18	5	20		19.8	16.4	12.8	49.2	350	28	0	P.cloudy.	27
14.6	11.0	7.2	10.2	61	1019.8	300	5	0	20		18.0	14.6	9.8	50.2	320	24	0	Clear.	28
15.8	12.6	9.7	12.0	67	1021.3	320	6	0	20		18.0	14.2	9.4	50.2	330	21	0	"	29
16.4	13.4	10.8	13.0	70	1021.9	300	6	0	20		18.6	14.6	10.4	50.4	340	17	0	"	30
14.8	10.8	6.6	9.7	58	1019.4	–	0	0	20		19.5	11.0	4.6	53.0	350	8	0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

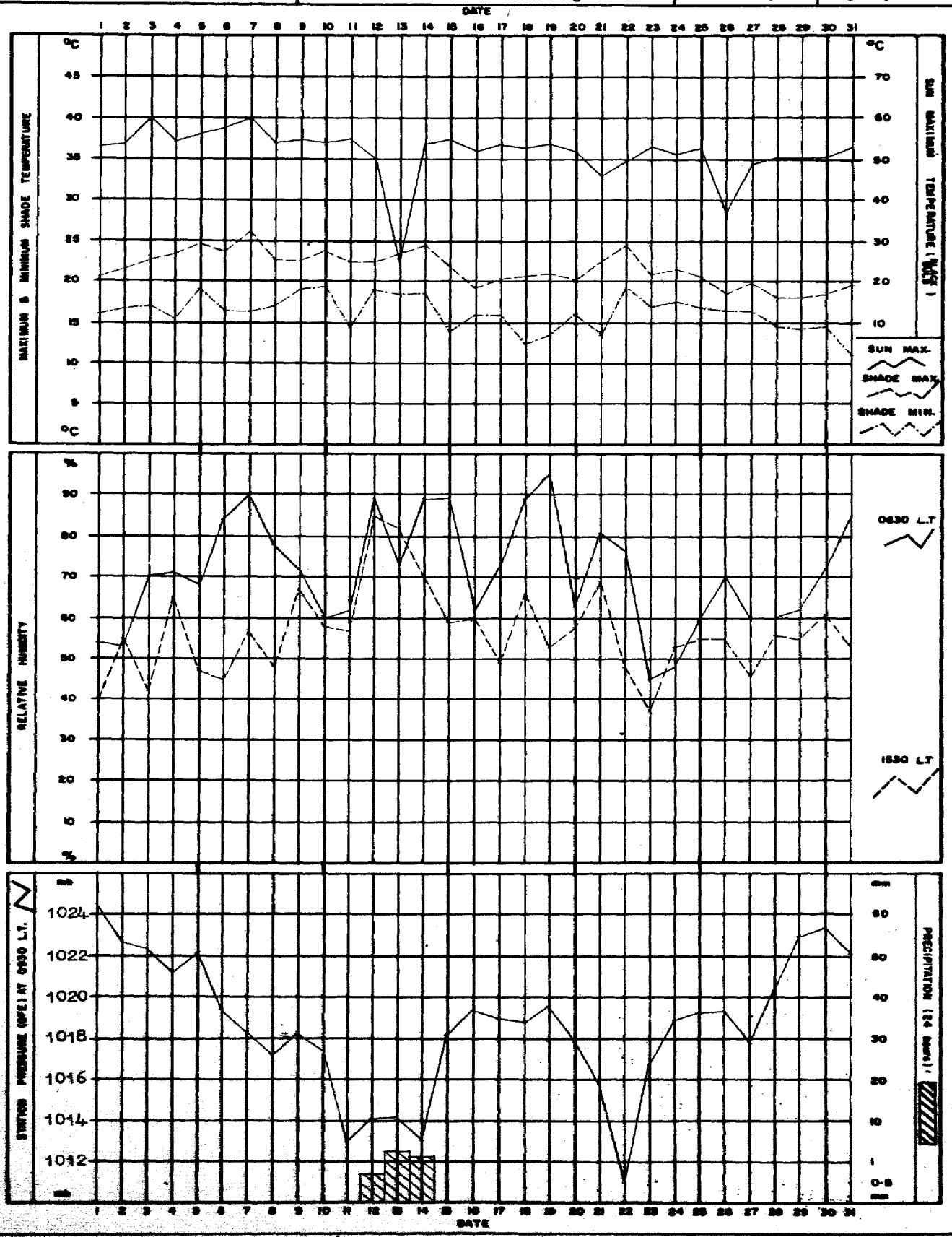
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

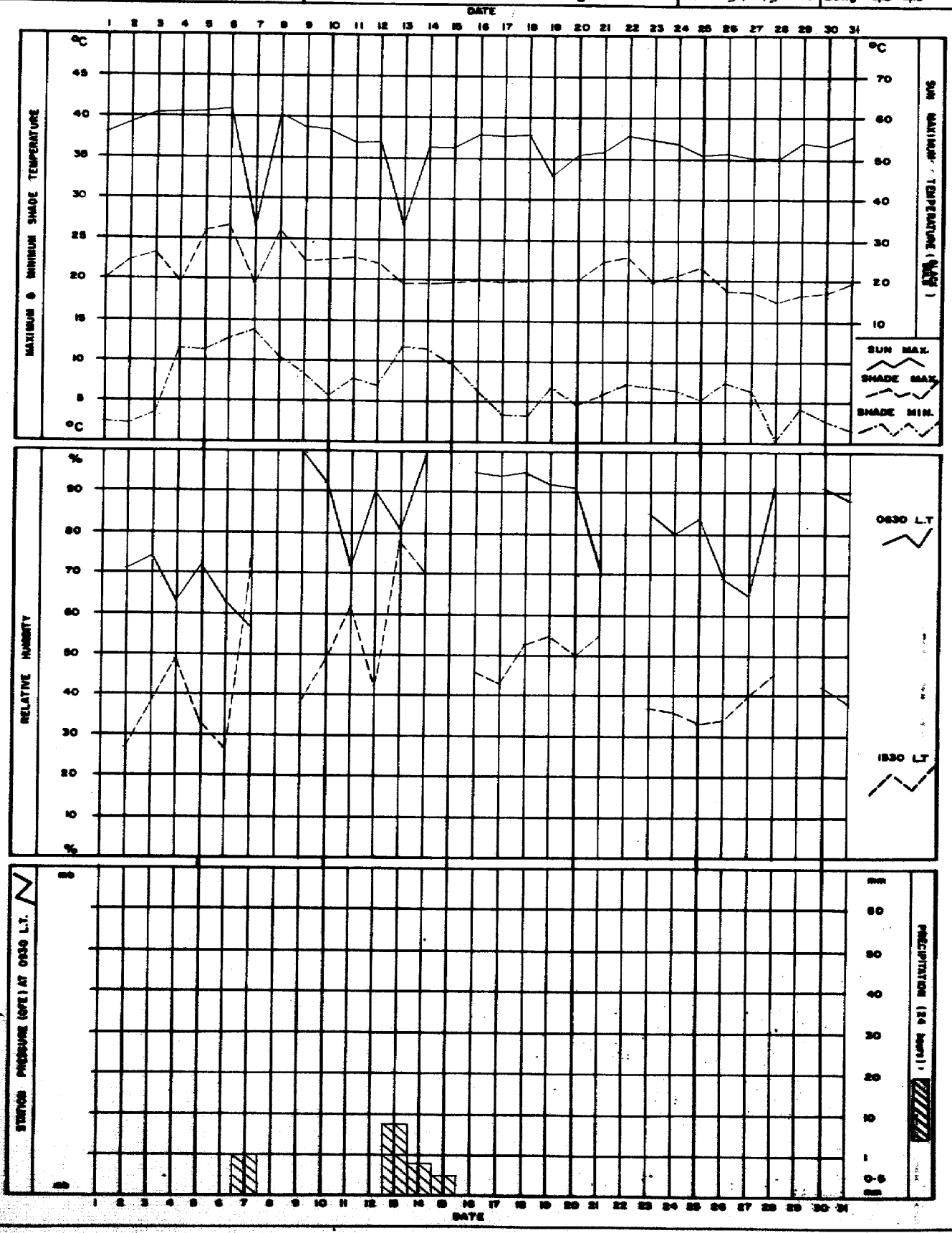
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Met. Form 4

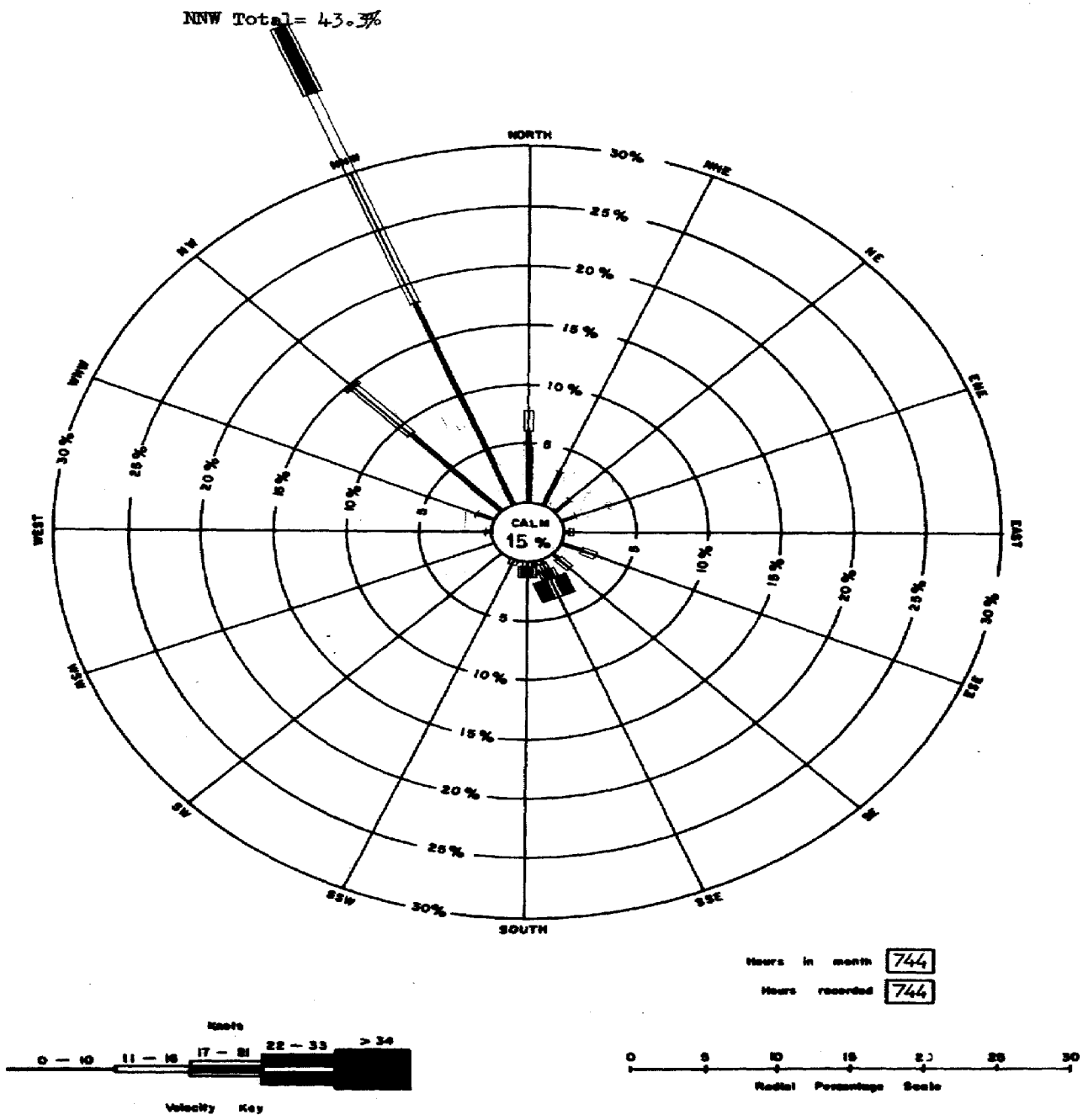
170.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Kut Abdullah	
Ground Level: 15 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°13' N.	Long: 48°40' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE Compiled from Wind Records Summary	Month: December	Year: 1961
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



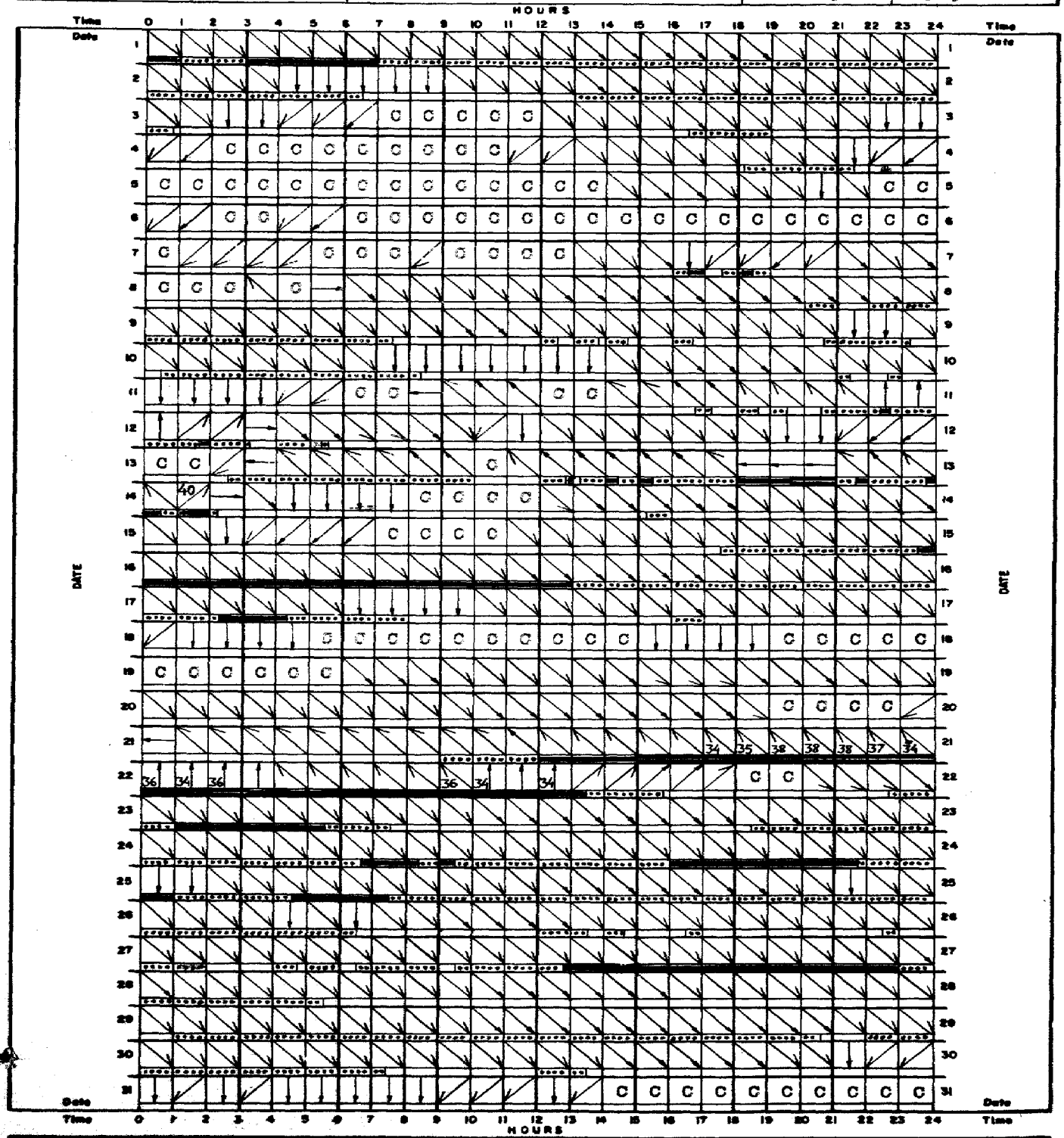
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1961
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°15' N.	Long: 50°20' E



Velocity Key

C Calm

1 – 10 Knots

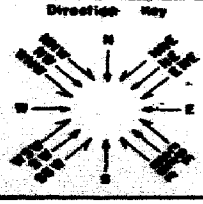
11 – 16

17 – 21

22 – 33

> 34

Direction Key



Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

	Observations at 0630										Observations at 1230									
	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Speed	Cloudiness	Visibility
Date	°C	°C	°C	mb	%	mb	deg	kt	/8	km	°C	°C	°C	mb	%	mb	deg	kt	/8	km
1	17.9	12.9	8.1	10.8	53	1021.0	360	7	1	35	24.5	15.9	8.8	11.2	36	1020.0	310	8	0	35
2	18.2	13.8	10.0	12.3	58	1019.8	010	5	1	35	26.1	17.4	10.8	12.9	38	1019.4	150	5	2	40
3	19.0	14.8	11.4	13.5	61	1020.4	020	5	6	35	27.0	16.4	7.2	10.2	29	1019.7	090	9	3	35
4	18.9	15.8	13.4	15.4	70	1021.0	020	1	1	35	26.2	18.0	12.1	14.0	41	1020.5	120	12	1	40
5	18.5	15.0	12.2	14.3	67	1021.2	360	2	0	40	27.3	17.0	8.6	11.2	31	1020.2	110	1	1	40
6	18.4	15.1	12.6	14.6	69	1018.7	050	1	1	35	26.1	18.4	13.1	15.0	45	1017.9	140	7	1	40
7	17.8	15.6	14.0	16.0	79	1016.6	310	2	1	42	27.7	18.0	10.8	12.9	35	1016.2	180	2	3	40
8	20.9	19.2	18.2	20.9	84	1016.5	330	8	6	35	27.0	21.8	19.1	22.0	62	1015.3	230	8	3	40
9	20.5	19.0	18.1	20.8	81	1015.9	330	9	1	35	29.5	18.5	10.3	12.5	30	1016.0	300	14	0	35
10	21.6	18.8	17.1	19.4	75	1015.2	280	8	1	30	27.2	20.1	15.7	17.8	49	1013.4	280	14	2	40
11	19.5	18.5	17.9	20.5	90	1012.9	300	7	3	30	26.5	21.7	19.2	22.2	64	1011.9	210	5	1	35
12	20.9	19.2	18.2	20.9	85	1013.4	090	7	3	35	24.5	22.3	21.1	25.0	81	1014.5	120	9	4	30
13	23.4	21.0	19.7	23.0	80	1016.1	110	15	3	35	25.1	22.4	21.0	24.9	77	1016.3	120	13	5	35
14	23.3	21.3	20.2	23.7	83	1014.6	100	15	4	20	25.4	22.4	20.9	24.7	76	1013.6	160	13	3	20
15	19.5	19.0	18.7	21.6	95	1015.6	–	0	3	20	24.5	20.5	18.2	20.9	68	1015.2	300	11	2	25
16	19.9	15.5	12.1	14.1	61	1015.1	340	11	7	30	23.8	17.5	13.0	15.0	51	1014.8	310	16	5	40
17	17.5	15.3	13.2	15.2	76	1016.6	360	8	1	40	24.7	19.0	15.3	17.4	56	1017.3	140	10	2	35
18	17.0	15.1	13.7	15.7	81	1017.5	350	1	0	35	25.4	16.1	8.1	10.9	34	1016.6	350	4	3	40
19	16.4	15.1	14.2	16.1	87	1018.7	320	7	1	35	22.6	18.0	14.9	17.0	62	1017.0	290	12	4	35
20	18.6	16.7	15.4	17.5	82	1015.6	340	9	0	30	24.3	19.0	15.6	17.7	58	1015.4	290	8	0	30
21	17.0	15.8	15.0	17.0	88	1016.8	330	2	1	35	22.2	18.1	15.4	17.5	65	1015.8	170	7	1	35
22	19.0	17.1	15.8	18.0	82	1016.2	090	8	1	25	23.0	19.9	18.1	20.7	74	1014.9	090	10	6	30
23	19.4	16.6	14.6	16.7	74	1014.9	080	8	2	30	24.2	19.8	17.2	19.6	65	1014.3	140	7	1	35
24	15.7	13.6	11.9	13.9	75	1015.7	280	7	1	20	24.0	17.0	11.7	13.8	46	1015.9	270	15	1	30
25	16.5	12.0	7.6	10.5	56	1015.6	310	2	5	35	24.3	15.5	7.8	10.6	35	1016.5	140	3	1	35
26	18.5	17.6	17.1	19.4	90	1017.2	340	1	5	20	23.7	19.6	17.1	19.5	67	1016.2	150	6	5	30
27	18.2	16.0	14.4	16.5	79	1016.0	300	7	7	25	20.9	18.5	17.0	19.4	78	1015.8	270	6	7	20
28	16.1	13.6	11.5	13.5	73	1014.9	300	9	1	25	20.7	15.2	10.8	12.9	53	1017.0	290	15	1	20
29	14.8	12.1	9.6	11.9	71	1018.7	340	8	0	25	21.4	14.3	7.8	10.6	42	1018.7	350	8	0	30
30	15.3	12.4	9.7	12.1	70	1020.5	330	8	0	25	21.8	16.0	11.5	13.5	52	1020.3	100	6	0	30
31	15.6	14.4	13.5	15.5	87	1020.9	330	2	0	25	22.3	17.7	14.6	16.6	62	1020.9	200	3	0	35

CODE FOR REMARKS

Clear: Average of cloudiness = 0/8

Fair: Average of cloudiness = 1/8–2/8

P.Cloudy: Partly Cloudy. Average of cloudiness = 3/8 – 5/8

Cloudy: Average of cloudiness = 6/8 – 7/8

O-Cast: Overcast. Average of cloudiness = 8/8

Haze: Visibility reduced by dry particles

Mist: Visibility reduced by wet particles

Dust: Dust suspended in the air. Vis ≤ 1 km

(Continued)

Met. Form 3a

17

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: December Year: 1961

Station: Sheikh Shu'aib

Ground Level: 2 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 26°48' N Long: 53°22' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility		Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
19.3	15.2	11.9	14.0	63	1019.4	280	7	0	35		25.3	15.5	11.0	58.4			0	Clear.	1
20.0	15.4	11.8	13.8	60	1019.3	290	2	2	40		26.4	16.3	9.7	59.8			0	Fair.	2
24.6	17.1	11.5	13.6	44	1019.9	100	8	2	40		27.0	16.5	10.0	61.2	090	17	0	P.Cloudy.	3
25.1	18.7	14.4	16.4	52	1020.9	120	9	3	40		26.8	16.8	8.9	58.0	090	21	0	Fair.	4
21.7	16.9	13.3	15.5	59	1019.6	300	1	1	40		27.2	15.9	9.0	60.3	350	7	0	"	5
20.8	16.5	13.4	15.4	63	1017.4	300	2	4	40		26.9	15.6	8.5	58.9			0	"	6
20.7	18.0	16.3	18.3	75	1016.3	290	6	3	40		27.9	17.4	11.0	64.2	090	8	0	P.Cloudy.	7
21.2	18.5	16.8	19.2	76	1015.2	270	6	5	40		28.4	17.8	12.3	61.0			0	"	8
24.0	19.8	17.3	19.7	67	1016.2	280	11	0	35		29.8	18.5	13.5	60.5	250	23	0	Clear.	9
23.4	19.5	17.1	19.5	68	1012.4	280	14	1	35		28.0	20.4	18.0	59.8	240	26	0	Fair.	10
21.6	18.8	17.1	19.5	76	1012.8	300	3	1	35		27.4	18.8	16.0	58.0	240	11	0	"	11
24.0	21.2	19.7	22.9	77	1014.8	140	7	2	35		25.0	19.0	13.3	60.0			0	P.Cloudy.	12
24.0	22.3	21.4	25.5	86	1014.7	120	13	6	35		25.8	19.1	17.0	59.8	080	21	0	"	13
23.5	21.0	19.7	22.9	79	1014.3	150	6	6	20		26.0	21.2	17.0	58.4			0	"	14
21.4	17.3	14.4	16.4	64	1014.7	280	11	1	30		25.0	18.0	19.5	57.6			3.0	Fair.	15
20.9	17.0	14.2	16.2	66	1015.3	290	9	5	35		24.5	19.3		56.8	250	24	0	Cloudy.	16
22.5	18.4	15.7	17.8	64	1017.2	-	0	2	35		25.1	16.0	11.0	57.6	300	16	0	Fair.	17
19.5	15.6	12.6	14.7	66	1016.9	270	8	2	40		25.9	15.5	9.0	59.4	220	12	0	"	18
20.0	18.0	16.7	19.0	81	1015.9	290	8	1	35		24.6	15.8	12.1		250	20	0	"	19
18.7	16.0	14.1	16.0	74	1015.7	270	8	1	30		25.3	17.8	14.4	56.5			0	Clear.	20
20.0	17.1	15.2	17.3	75	1016.2	200	1	0	35		24.0	14.6	10.0	55.7	120	13	0	Fair.	21
23.1	18.0	14.6	16.6	59	1014.1	180	6	1	30		25.3	18.0	11.8	60.0			0	"	22
20.0	16.2	13.4	15.4	66	1015.4	270	8	1	35		25.0	19.0	14.9	56.0			0	"	23
20.6	15.6	11.7	13.7	57	1015.2	300	11	1	35		24.5	15.1	11.8	58.0	260	19	0	"	24
19.7	16.6	14.4	16.4	71	1016.8	250	1	1	35		24.7	14.0	8.2	58.9			0	"	25
21.8	18.8	17.0	19.3	74	1016.2	220	2	6	30		24.5	16.2	11.2	63.0			0	P.Cloudy.	26
16.7	15.2	14.1	16.0	84	1016.7	330	14	8	20		22.8	15.9	14.0	47.0	270	36	3.0	Rain.	27
18.1	14.6	11.8	13.8	66	1017.8	270	12	3	25		21.1	15.5	12.1	58.5	250	31	Tr.	Fair.	28
[illegible].5	14.0	11.9	14.0	74	1019.3	290	6	0	30		22.4	14.2	10.4	55.0	270	26	0	Clear	29
17.7	15.2	13.2	15.2	75	1021.0	260	2	0	30		22.5	13.5	9.0	55.4			0	"	30
17.2	15.4	14.1	16.0	81	1020.5	300	1	0	35		23.0	13.4	7.0	55.0			0	"	31

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

Rainsh.: Rain falling as showers

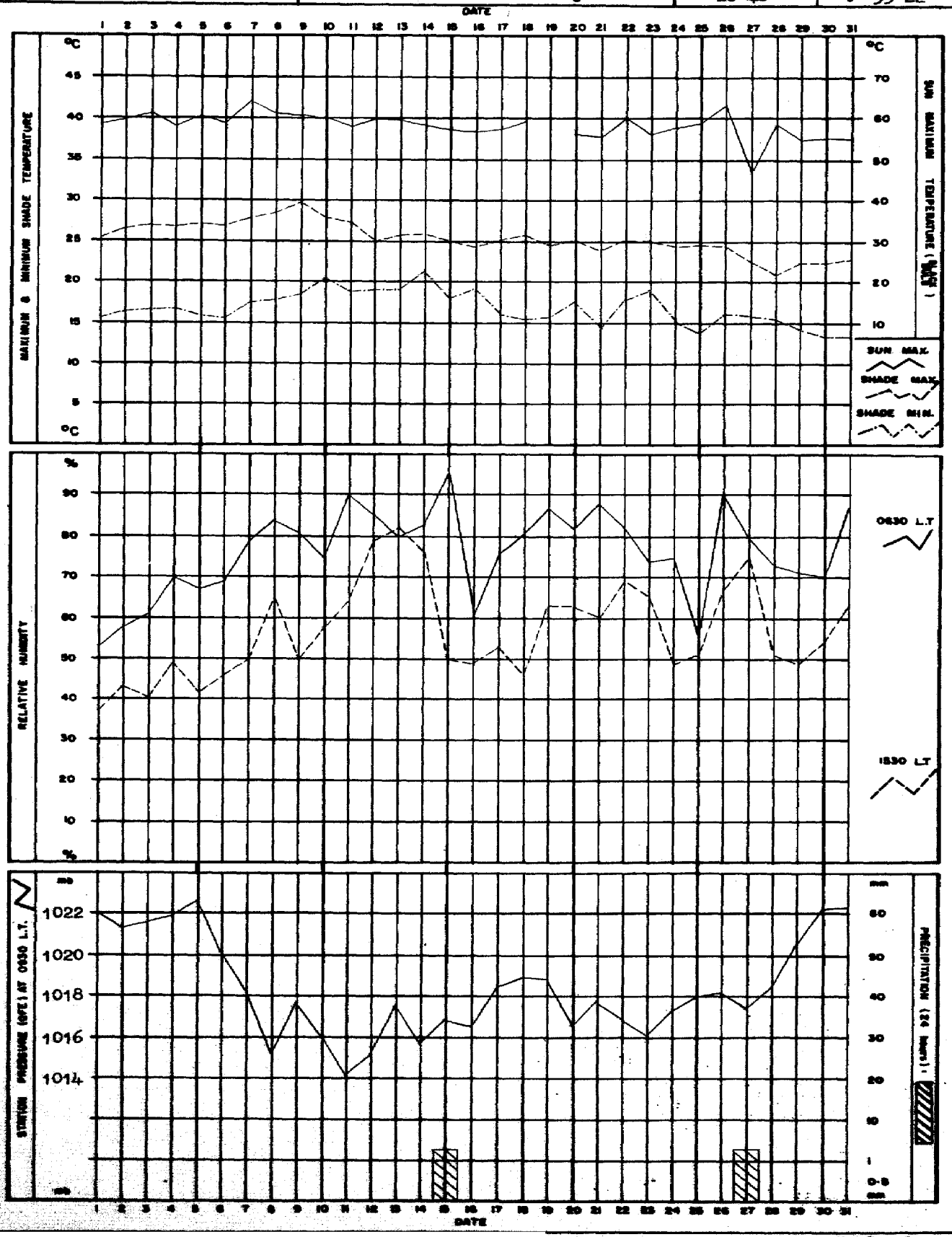
Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

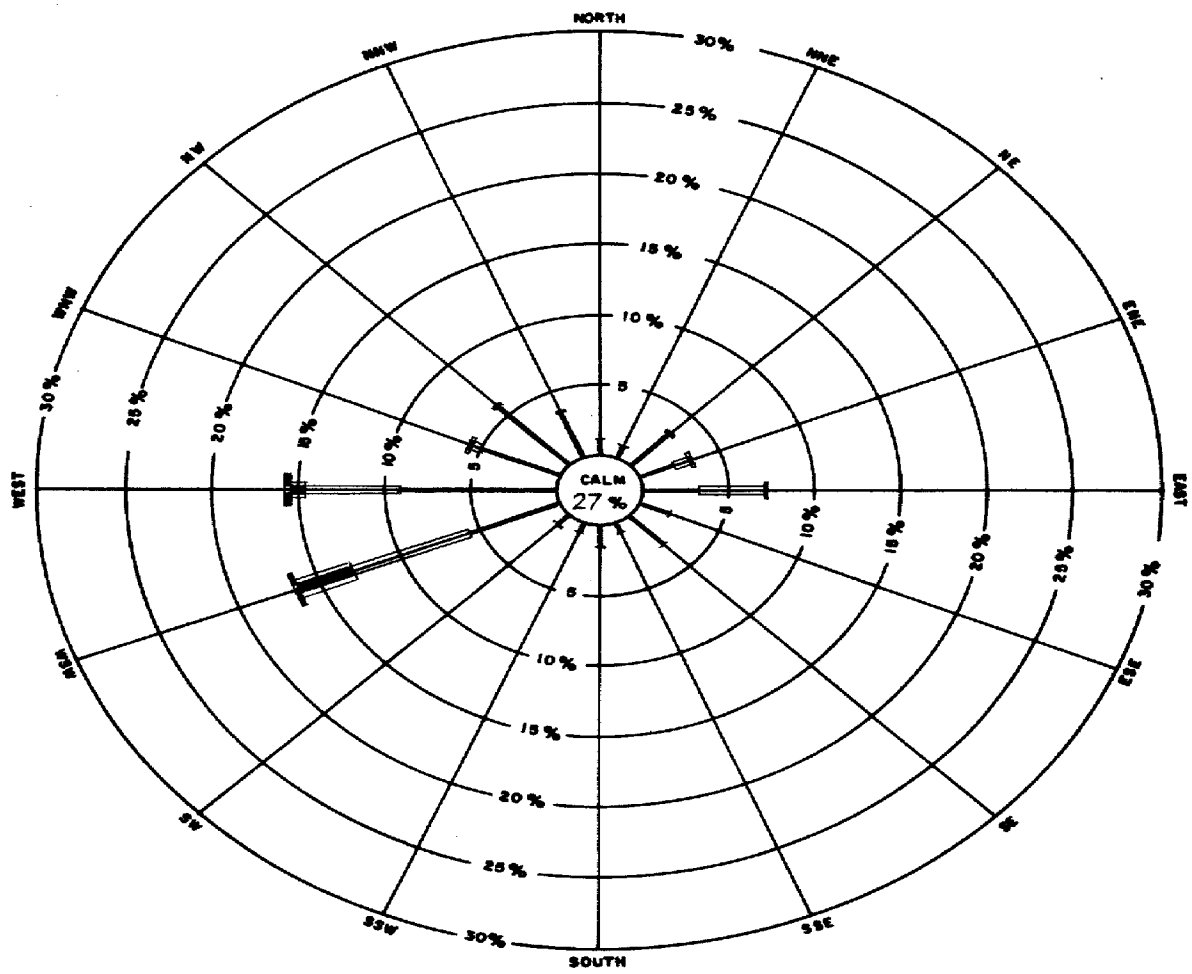
175.

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: December	Year: 1961
		Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



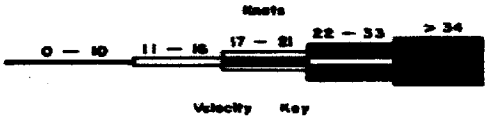
Met. Form 4

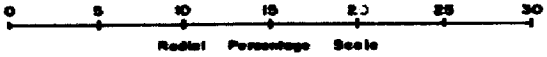
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: December	Year: 1961
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 744

Hours recorded 508





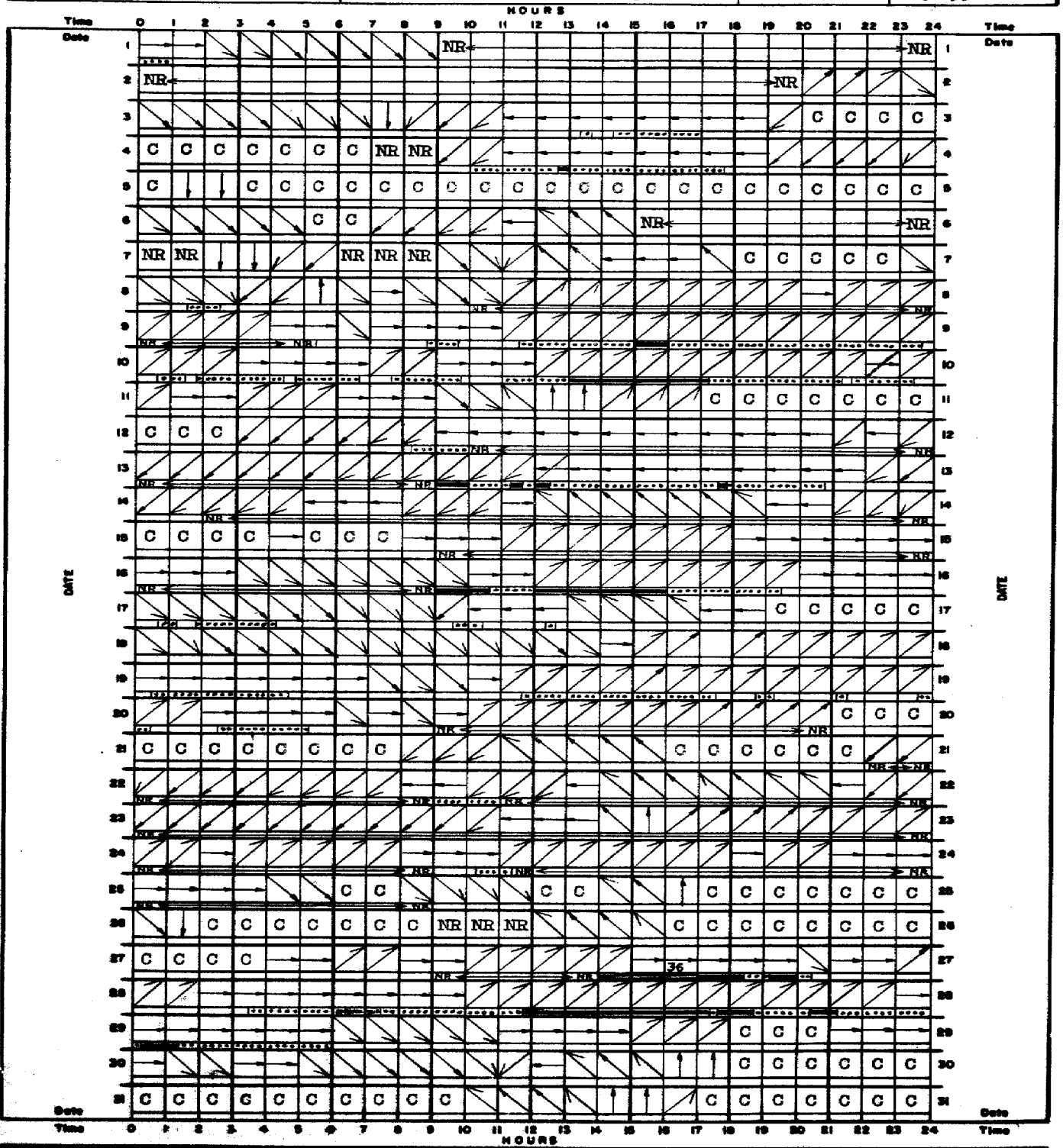
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

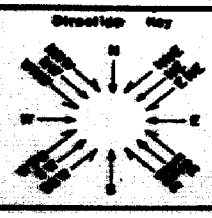
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1961
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Velocity Key

C	Calm
	1 – 10 Knots
	11 – 16
	17 – 21
	22 – 28
	> 34

Direction Key

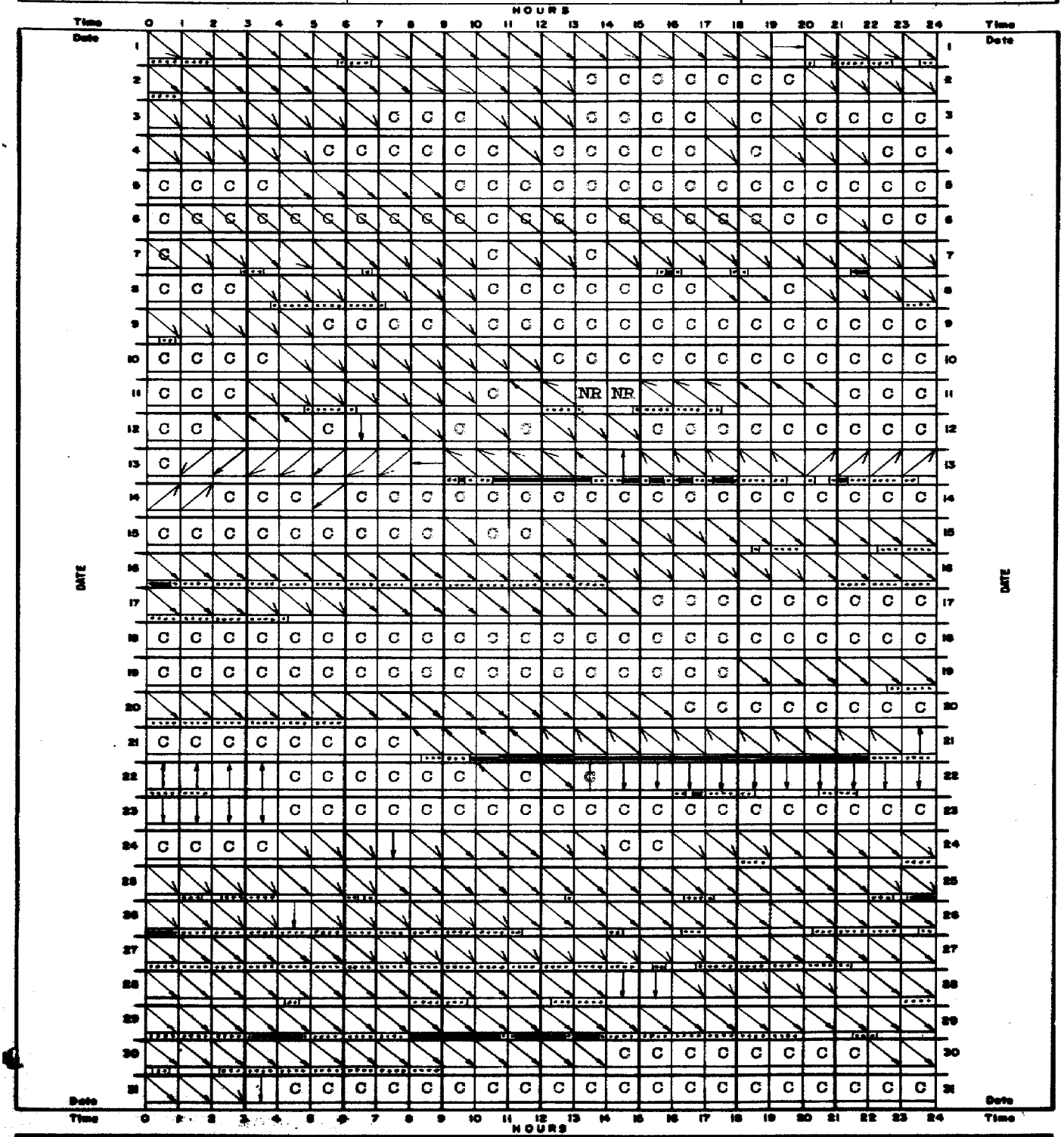


Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:
Wind speed not recorded from time to time (Float rod sticking). Expert servicing not possible due to lack of communication.

Met. Form 6

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: December	Year: 1961
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Velocity Key

C Calm

1 – 10 Knots

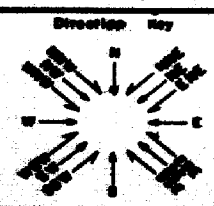
11 – 16

17 – 21

22 – 33

> 34

Direction Key

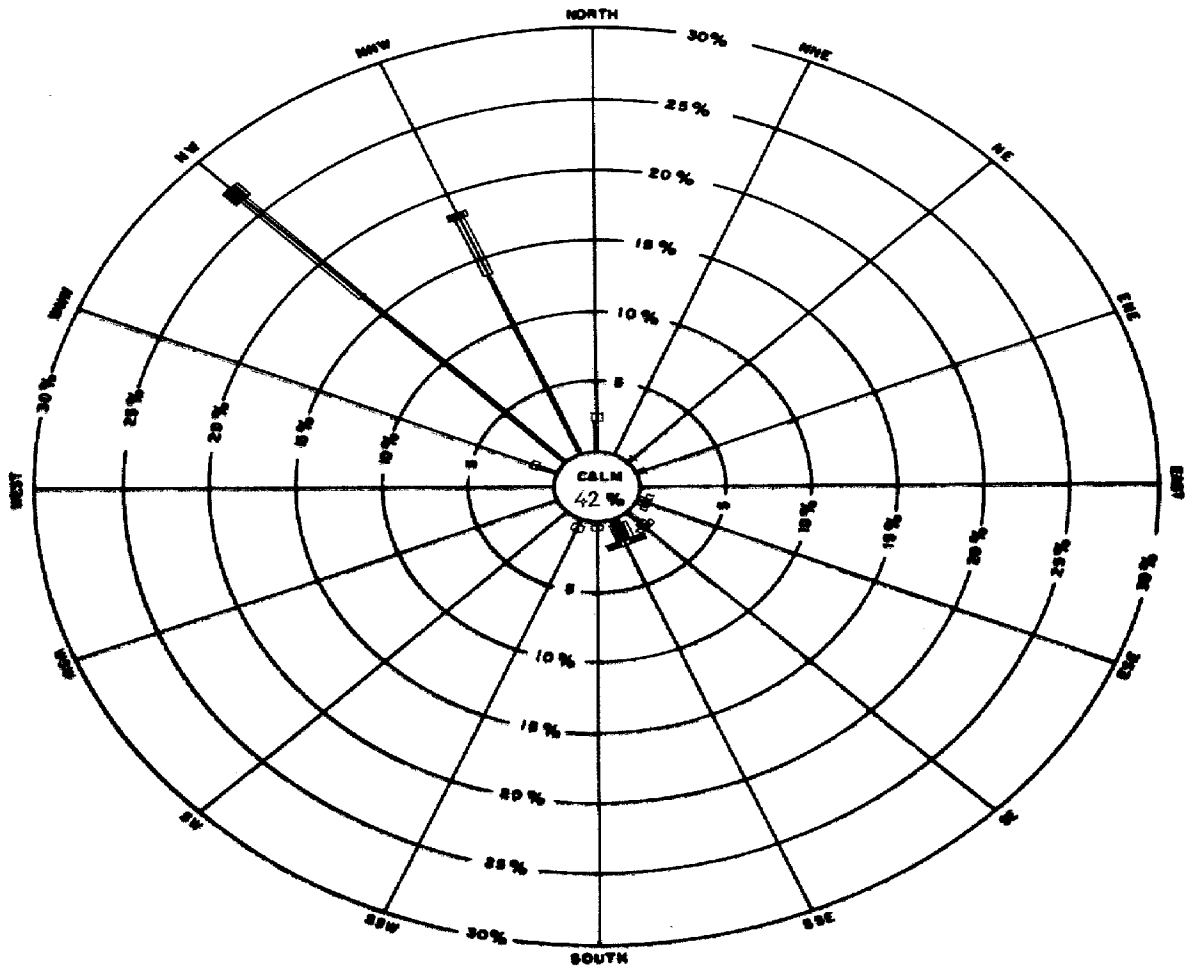


Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

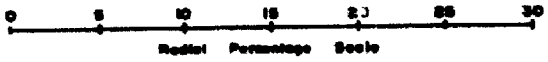
Met. Form 6

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: December	Year: 1961
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 742



Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

2. Percentages are plotted radially from inner circle edge and are cumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks: