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IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

METEOROLOGICAL OBSERVATIONS

FOR

JANUARY

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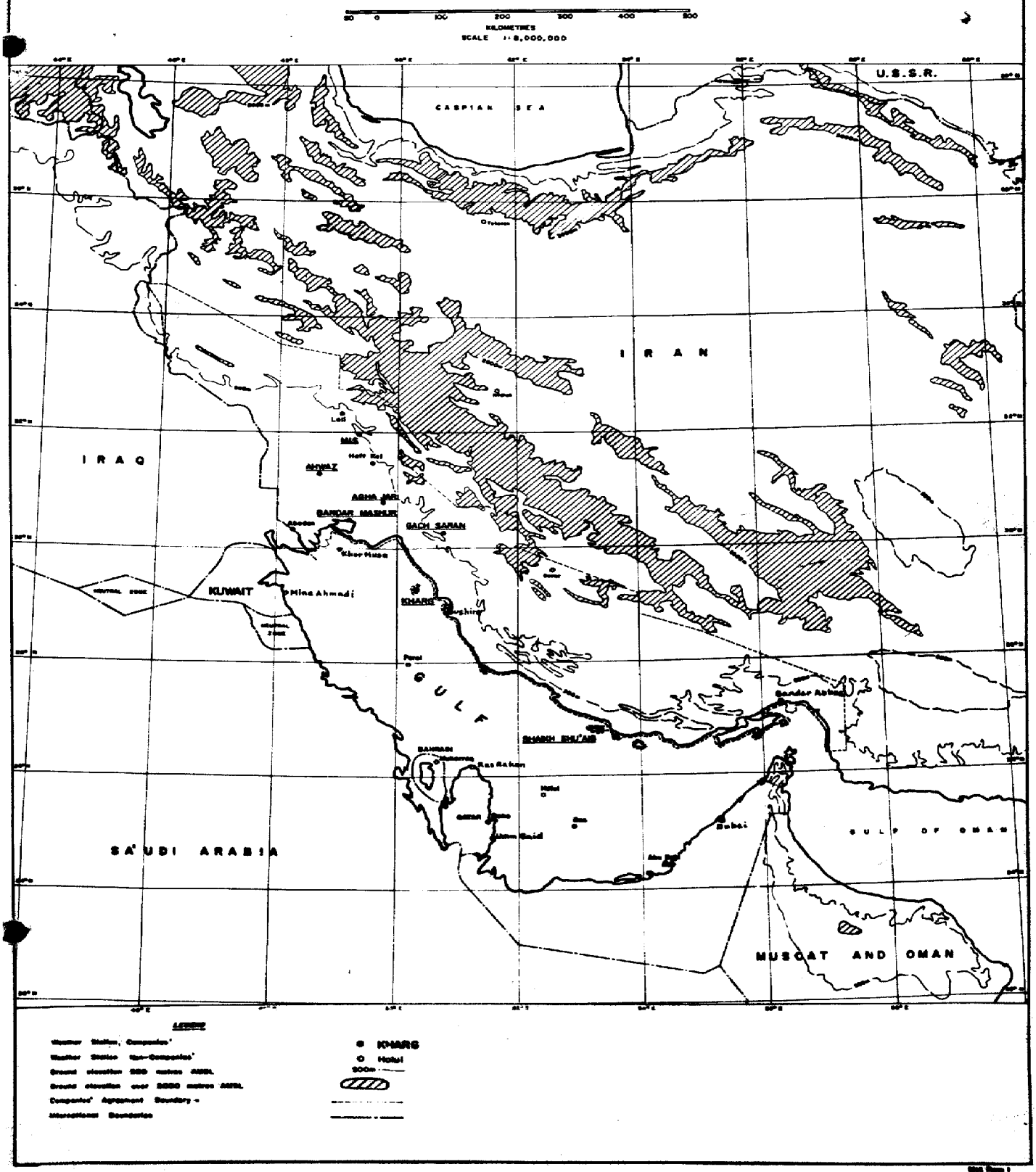
March 28, 2002

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



WEATHER BULLETIN

January 1963

The Iranian Oil Exploration and Producing Companies' Weather Reporting Stations are controlled by Air Services HQ, Masjid-i-Sulaiman. The technical work is supervised by a meteorologist from International Meteorological Consultant Services, London. The instruments and observation procedures used are according to international regulations. The stations are manned by specially trained Meteorological Observers.

The units used in this bulletin are those recommended by World Meteorological Organization For the benefit of those who want to use other units, the necessary conversion factors are given below.

CONTENTS.

The following stations are included in this bulletin.

Station	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	31°59' N	49°16' E	362 m.	5
Haft Kel (Airport) 2)	-	31°27' N	49°31' E	292 m.	10
Agha Jari (Ummidieh airport) 1)	40 833	30°44' N	49°40' E	29 m.	13
Gach Saran (Du Gombadan airport) 1)	40 835	30°20' N	50°50' E	709 m.	18
Kut Abdullah (Airport) 2)	-	31°13' N	48°40' E	15 m.	21
Bandar Mashur (Marine Department) 3)	40 832	30°30' N	49°12' E*	3 m.	24
Kharg Island (Airport) 1)	40 845	29°16' N	50°20' E	3 m.	29
Sheikh Shu'aib (Decca Navigator Stn.) 3)	40 882	26°48' N	53°22' E	2 m.	34
Khor Musa (Observation platform) 4)	-	30°00' N	49°02' E	6 m.	39

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

* Wind recording at 30°33' N 49°09' E

REMARKS.

Met. Form 2.

Maximum and Minimum Temperature.
Measured in a thermometer screen about 135 cm above ground. A standard mercury maximum and a standard spirit minimum thermometer are used.

The average temperature of the month can roughly be obtained by taking the mean of the average maximum and the average minimum temperatures.

Ground Minimum Temperature.

Measured by a standard spirit minimum thermometer exposed at about 2 cm above ground.

Sun Maximum Temperature.
Measured by a mercury black bulb thermometer in vacuum. The maximum intensity of the solar radiation is measured and expressed in °C. The thermometer is exposed at a height of about 135 cm above ground.

Humidity.
Measured by a "dry" and "wet" bulb thermometer system (unventilated) in a thermometer screen at a height of approximately 135 cm above ground.

The Daily Average is calculated from the observations at 0630, 1230 and 1830 local time.

Vapour Pressure is the partial pressure of the water vapour gas in the atmosphere.

Dew Point Depression is the difference between the shade temperature and the dew point temperature (at which condensation takes place if the air is cooled to that temperature)

During the greater part of the year, the minimum relative humidity occurs, as an average, at about 1530, and the maximum relative humidity at about 0630 local time. However, there can be great variations from this rule, especially in wintertime.

Station Pressure.
The barometer reading reduced to 0°C, standard gravity and station level. Measured by a Kew type station barometer.

Rainfall.
Measured by 8" rain gauge, the top of which is approximately 70 cm above ground.

1 mm rainfall is equal to an amount of 1 kg (1 litre) of water per square meter of level ground.

Wind.
The stations at Masjid-i-Sulaiman, Agha Jari, Bandar Mashur, Sheikh Shu'aib and Khor Musa are equipped with Dines Pressure Tube Anemograph, The other stations have either a cup generator anemometer or a portable anemometer.

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

Dust.
Includes days with sandstorm or dust suspended in the air if the horizontal visibility has been less than or equal to 1 km.

Thunderstorm.
Includes days with thunderstorm at the station or heard from the station.

Cloudiness.
The total amount of clouds is expressed in eights of the complete celestial dome.

The Daily Average is calculated from the observations at 0630, 0930, 1230, 1530 and 1830 local time.

Met. Form 3.

See comments under Met. Form 2.

Cloudiness.
x = clouds have not been observed due to fog or dust.

Rainfall.
Tr. = less than 0.1 mm (Trace).

Remarks.
The most important weather phenomena during the day is given. The Code of Remarks at the bottom of the pages is given in terms of increasing importance of weather.

Met. Form 5 and 6.

The wind has been recorded with Dines Pressure Tube Abemograph exposed at approximately 13 m. above ground.

CONVERSION FACTORS.

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

Pressure.
1 mb = 0.0295 inches Hg = 0.750 mm Hg.

Standard atmospheric pressure at mean sea level = 1013.2 mb = 29.92 inches Hg = 760.0 mm Hg = 14.7 lb/sqinch.

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

Speed.
1 knot = 0.515 m/sec = 1.151 miles/hr

WEATHER.

The following table gives the departures from the normal January values of certain meteorological elements. (+ = higher than normal, - = lower than normal).

	Maximum Temperature °C	Minimum Temperature °C	Sum Maximum Temperature °C	Relative Humidity (average of day) %	Rainfall % of normal
Masjid-i-Sulaiman	+2.9	+0.9		-20	11
Agha Jari	+3.8	+0.2		- 2	13
Gach Saran	+3.0	-2.8	+4.1		3
Bandar Mashur	+3.3	+3.3			8
Kharg Island	+2.0	+0.3	+6.5		0.1

T. Bergquist

T. Bergquist
Meteorologist
IMCOS Ltd.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: January Year: 1963

Local Time: G.M.T. + 3½ hrs

Station	Maximum Wind Velocity: Velocity (kts.)	Maximum Wind Velocity: Direction (degr.)	Maximum Wind Velocity: Date	Station Pressure (QFE) at 0930: Monthly Lowest (mb)	Monthly Lowest: Date	Monthly Highest (mb)	Monthly Highest: Date	Monthly Average (mb)	Rainfall: Maximum in 24 hrs (mm)	Maximum in 24 hrs: Date	Rainfall: Monthly Total (mm)	Humidity: Rel. Hum. 0630 (avr.) (%)	Humidity: Rel. Hum. 1530 (avr.) (%)	Humidity: Rel. Hum. Daily avr. (%)	Humidity: Dew Point Depression at 0930 (°C)	Humidity: Vapour Pressure at 0930 (mb)	Sun Maximum Temperature: Monthly Highest (°C)	Monthly Highest: Date	Sun Maximum Temperature: Monthly Average (°C)	Sea Temp.: Monthly Average (°C)	Ground Min. Temperature: Monthly Lowest (°C)	Monthly Lowest: Date	Ground Min. Temperature: Monthly Average (°C)	Minimum Temperature: Monthly Lowest (°C)	Monthly Lowest: Date	Minimum Temperature: Monthly Average (°C)	Maximum Temperature: Monthly Highest (°C)	Monthly Highest: Date	Maximum Temperature: Monthly Average (°C)
Masjid-i-Sulaiman	40	080	25	973.6	25	980.2	21	977.4	8.9	25	11.4	74	43	59	6.2	10.3					1.8	17	6.2	5.5	9	8.7	26.1	28	20.7
Haft Kel				984.0	25	990.1	5	987.2	5.6	25	8.7	62	38	49	11.2	8.6	60.0	30	51.8		3.0	21	6.7	5.0	8	8.6	26.8	28	20.8
Agha Jari	36	170	26	1012.7	25	1021.2	21	1018.1	8.6	4	8.6	71	34	53	8.7	9.0	67.2	28	59.3		3.4	16	7.0	4.4	16	8.0	29.6	28	22.6
Gach Saran				933.8	25	939.0	21	936.6	1.0	25	2.2	77	27	51	9.7	7.4	60.5	31	52.0		-2.0	18	2.6	-1.1	18	3.8	26.1	28	20.3
Kut Abdullah				1014.0	25	1021.6	21	1018.4	3.8	25	7.6	85	45	67	4.9	11.2	63.9	30	54.7		2.0	20	5.9	3.3	20	7.4	25.8	28	20.9
Bandar Mashur	34	170	26	1014.3	25	1023.0	21	1019.8	2.6	4	4.7	81	53	70	4.4	11.7					6.4	10	9.4	7.2	9	10.4	27.0	31	21.3
Kharg Island	30	170	4	1015.7	29	1021.9	21	1019.4	0.1	4	0.1	81	61	70	5.6	14.9	60.0	28	52.6		5.7	15	11.1	9.5	15	13.9	25.2	29	21.1
Sheikh Shu'aib	29	290	5	1015.1	29	1022.3	15	1019.4	Tr.	20	Tr.	82	56	67	7.4	15.9	62.5	24	59.3	22.1	5.2	15	7.8	12.4	29	15.0	26.4	29	23.6
Khor Musa	29	190	4																										

NUMBER OF DAYS WITH

Station	Cloudiness: Daily Average	Cloudiness: ≤ 2/8 at 0930	Cloudiness: ≥ 7/8 at 0930	Rainfall: ≥ 1 inch	Rainfall: ≥ 10 mm	24 Hour Rainfall: 5.0–9.9 mm	24 Hour Rainfall: 1.0–4.9 mm	24 Hour Rainfall: 0.1–0.9 mm	24 Hour Rainfall: ≥ 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	3.7	12	10	0	0	1	1	0	2	3	0	2	0	16	12	1	0	0	0	2	0	0	0	22	0	0	0	0	19	18	0	12
Haft Kel	3.5	15	7	0	0	1	1	0	2	0	0	0	0	15	16	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	13
Agha Jari	3.3	18	6	0	0	1	0	1	1	0	0	0	7	12	8	4	0	0	0	0	0	0	0	23	0	0	0	0	25	0	0	6
Gach Saran	2.6	21	4	0	0	0	1	2	3	1	0	2	2	21	3	1	0	2	0	0	0	0	0	28	2	0	0	0	15	0	0	16
Kut Abdullah	2.8	18	5	0	0	0	3	3	3	0	0	1	0	25	4	1	0	0	1	0	0	0	0	23	0	0	0	0	18	0	0	13
Bandar Mashur	3.3	14	6	0	0	0	2	1	3	0	0	0	3	21	3	2	0	0	0	0	0	0	0	17	0	0	0	0	21	0	0	10
Kharg Island	2.0	23	2	0	0	0	0	1	1	0	0	0	0	24	5	0	0	0	0	0	0	0	0	1	0	0	0	0	22	0	0	9
Sheikh Shu'aib	1.8	23	1	0	0	0	0	0	0	0	0	0	8	21	1	0	1	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0

Met. Form 2

E.

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: January Year: 1963
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-I-Sulaiman
		Lat: 31°59' N Long: 49°16' 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	8.0	8.0	8.0	10.7	100	976.8	–	0	x	0.0	13.2	12.3	11.5	13.6	90	976.5	–	0	0	2	1
2	9.3	9.5	9.6	12.0	100	975.9	–	0	0	0.0	14.8	13.2	11.9	14.0	83	976.6	160	2	4	3	2
3	10.6	9.9	9.2	11.7	91	976.0	–	0	4	10	18.4	13.2	8.4	11.1	52	976.3	–	0	7	20	3
4	13.6	11.4	9.3	11.7	75	974.2	060	4	8	15	13.8	12.7	11.8	13.8	87	975.2	–	0	8	20	4
5	9.0	8.4	7.8	10.6	92	977.7	–	0	0	10	17.6	14.6	12.3	14.3	71	978.2	180	4	2	15	5
6	8.0	7.0	5.8	9.3	87	977.2	–	0	0	14	15.5	12.0	8.6	11.5	64	977.8	300	6	1	15	6
7	8.2	7.2	6.0	9.4	86	977.0	–	0	0	10	16.3	11.8	7.3	10.3	55	976.0	300	8	2	15	7
8	8.0	7.0	5.8	9.3	87	975.6	–	0	0	15	16.0	12.0	8.2	10.9	61	975.6	–	0	8	10	8
9	8.0	7.4	6.7	9.9	92	976.2	–	0	0	20	16.5	12.0	7.6	10.5	56	976.3	090	3	0	15	9
10	7.3	6.3	5.0	8.8	86	975.3	–	0	1	20	17.0	11.6	6.0	9.4	49	975.6	300	4	7	20	10
11	9.8	7.3	4.2	8.3	68	974.6	–	0	8	16	19.0	12.4	5.7	9.2	42	975.3	–	0	3	20	11
12	8.8	7.0	4.7	8.6	76	976.2	–	0	0	15	19.0	12.6	6.2	9.5	43	976.4	–	0	7	10	12
13	8.0	7.1	6.0	9.4	88	977.0	–	0	0	10	18.3	12.1	5.7	9.2	44	977.4	300	3	0	18	13
14	8.2	6.2	3.6	7.9	72	977.3	–	0	1	15	18.5	11.5	3.7	8.0	38	977.4	270	4	5	20	14
15	8.1	6.2	3.7	8.0	74	976.7	–	0	0	15	19.9	11.5	3.2	7.7	35	976.7	–	0	0	20	15
16	8.5	5.0	2.6	7.4	67	978.0	–	0	0	15	19.6	11.0	0.3	6.3	28	978.4	180	4	0	20	16
17	7.7	4.9	0.7	6.5	62	977.5	–	0	0	20	19.2	11.0	1.1	6.6	30	977.7	–	0	0	15	17
18	8.0	5.4	1.7	6.9	64	975.7	–	0	2	20	18.0	10.5	1.2	6.7	33	976.4	290	8	7	20	18
19	8.8	6.3	3.4	7.9	70	976.1	–	0	0	15	15.4	11.7	3.1	7.7	34	976.0	–	0	3	20	19
20	8.0	5.5	2.3	7.2	67	976.4	–	0	1	15	17.7	11.1	3.6	8.0	39	976.5	190	6	8	20	20
21	7.7	5.2	1.6	6.9	66	978.5	–	0	0	15	18.8	11.6	3.5	7.9	36	978.7	–	0	6	10	21
22	10.0	6.2	0.8	6.5	53	978.1	–	0	2	15	20.5	13.5	6.7	9.9	41	977.8	180	4	3	17	22
23	12.0	8.5	4.3	8.3	59	976.6	–	0	1	30	21.9	13.6	5.3	9.0	34	975.3	210	6	2	30	23
24	10.7	8.5	6.0	9.4	73	974.1	–	0	2	20	17.6	12.0	6.3	9.6	48	973.3	080	10	8	15	24
25	16.4	11.3	5.9	9.3	50	973.1	060	20	8	20	14.0	11.6	9.3	11.7	73	974.9	090	10	8	20	25
26	14.7	11.8	9.1	11.6	69	973.2	270	2	6	12	15.8	13.3	11.2	13.3	74	974.6	300	10	8	40	26
27	17.3	12.3	7.4	10.3	52	976.8	–	0	8	8	19.0	14.0	9.6	12.0	54	976.5	060	20	8	20	27
28	19.1	14.1	9.7	12.1	55	973.8	030	20	8	20	23.0	15.3	8.6	11.2	40	974.7	100	2	8	40	28
29	16.3	13.6	11.3	13.5	73	973.1	–	0	7	20	22.0	16.3	12.0	14.0	53	973.6	–	0	7	20	29
30	14.5	12.2	10.1	12.4	75	974.0	–	0	2	20	22.5	15.0	8.4	11.1	41	973.9	300	6	5	30	30
31	13.4	10.1	6.5	9.7	63	974.1	–	0	0	30	22.4	15.0	8.6	11.2	41	972.9	270	2	7	18	31
Av.	10.5	8.4	5.8	9.4	74	975.9	–	2	3	15	18.2	12.6	7.0	10.3	51	976.1	–	4	5	19	Av.

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: January Year: 1963

Station: Masjid-I-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°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		
13.0	12.2	11.5	13.6	91	976.1	280	4	1	20		16.6	7.1	7.4		270	5	0	Fog	1
14.8	12.4	10.2	12.5	74	975.5	–	0	2	8		17.1	8.6	7.0		290	7	0	"	2
16.5	12.2	8.0	10.7	57	973.6	090	14	6	20		19.2	9.4	7.9		320	19	Tr.	Th.storm	3
14.4	12.2	10.2	12.5	76	974.8	–	0	2	20		16.9	12.2	10.8		080	16	2.6	Rain	4
14.0	10.6	7.1	10.1	63	978.1	–	0	2	30		18.8	7.5	4.9		260	11	0	Mist	5
14.0	11.0	8.1	10.8	67	977.3	–	0	5	20		17.8	6.8	4.5		300	14	0	"	6
14.0	10.8	7.5	10.4	65	975.4	–	0	1	20		18.5	7.0	4.1		270	11	0	"	7
13.5	10.6	7.7	10.5	68	975.1	270	4	4	15		17.4	6.6	3.7				0	"	8
14.5	10.5	6.1	9.5	57	975.7	–	0	0	25		18.9	5.5	3.0		270	9	0	"	9
15.1	10.3	4.9	8.7	51	974.0	–	0	4	20		19.8	6.4	3.8		300	7	0	P.Cloudy	10
15.5	11.0	6.2	9.5	54	975.3	290	2	3	40		20.6	7.3	5.2		220	10	0	"	11
16.0	12.0	8.1	10.9	60	976.6	–	0	7	20		20.6	7.5	4.0		260	9	0	Mist	12
16.0	10.4	3.9	8.4	46	976.6	320	4	1	30		20.0	6.4	3.2		280	12	0	"	13
16.1	10.8	5.0	8.8	48	976.5	–	0	1	20		21.0	6.6	3.0		290	8	0	P.Cloudy	14
16.5	10.2	2.8	7.5	40	976.8	–	0	0	30		22.5	6.5	2.8		220	8	0	Clear	15
16.2	10.1	2.8	7.5	41	977.6	–	0	0	20		22.3	7.3	3.0		180	11	0	"	16
15.7	10.0	3.2	7.7	43	975.8	–	0	0	20		21.2	6.1	1.8		310	5	0	Mist	17
17.1	10.1	1.3	6.8	35	974.7	–	0	4	20		20.4	6.1	4.0		300	15	0	P.Cloudy	18
15.0	9.4	2.3	7.3	43	975.5	–	0	0	30		20.3	5.6	3.9		290	10	0	Fair	19
15.2	9.7	3.1	7.7	45	977.3	–	0	8	6		19.1	6.4	3.1		200	12	0	Haze	20
17.8	10.7	2.2	7.2	36	977.5	–	0	1	10		22.2	5.7	2.5		180	12	0	"	21
18.1	12.2	6.2	9.5	46	976.0	–	0	2	20		22.8	8.5	5.7		120	10	0	P.Cloudy	22
18.2	12.5	6.9	10.0	48	973.6	–	0	3	30		23.3	9.6	6.8		260	9	0	"	23
17.4	11.0	3.8	8.0	40	973.0	–	0	5	18		20.6	10.0	8.5		120	14	Tr.	Rain	24
15.8	11.7	7.6	10.5	58	971.9	070	18	7	50		18.4	12.1	9.8		080	40	8.9	Th.storm	25
17.1	13.8	11.0	13.2	68	974.0	–	0	8	13		21.8	12.8	11.0		100	20	Tr.	"	26
21.0	14.0	7.5	10.4	42	975.9	080	15	8	30		21.7	12.4	9.9		080	33	Tr.	Rainsh.	27
21.5	16.0	11.8	13.8	54	974.3	–	0	8	40		26.1	15.7	13.3		060	32	Tr.	Overcast	28
22.8	15.0	8.2	10.9	39	972.6	090	2	2	40		25.2	15.2	14.2		040	15	Tr.	Rainsh.	29
20.2	13.6	7.4	10.4	44	973.9	–	0	0	40		24.9	13.2	10.6		310	17	0	P.Cloudy	30
20.0	14.0	8.6	11.2	48	971.7	290	4	8	40		25.0	11.3	8.6		300	11	Tr.	Rainsh.	31
16.6	11.6	6.5	9.9	53	975.2	–	2	3	25										AV.

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

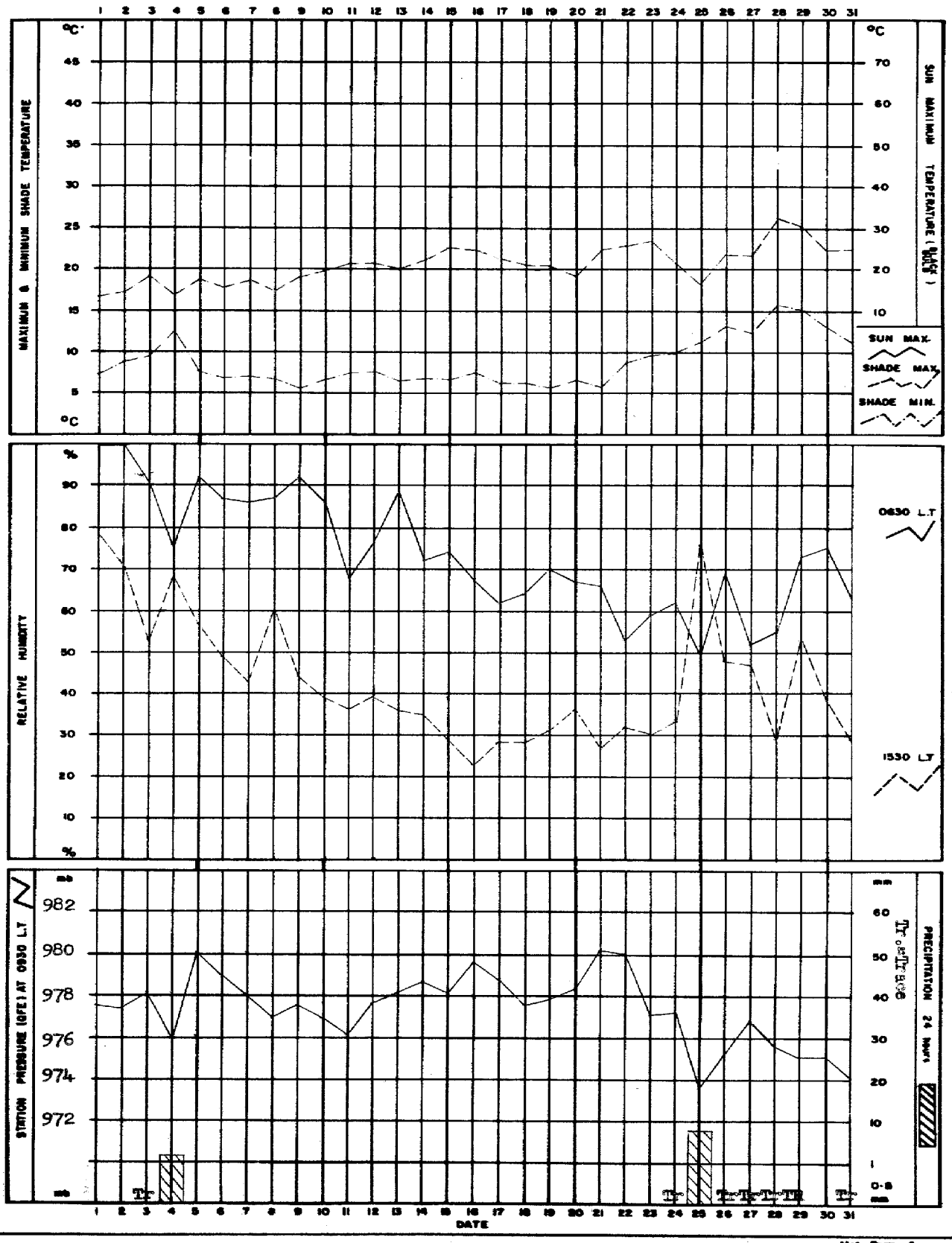
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

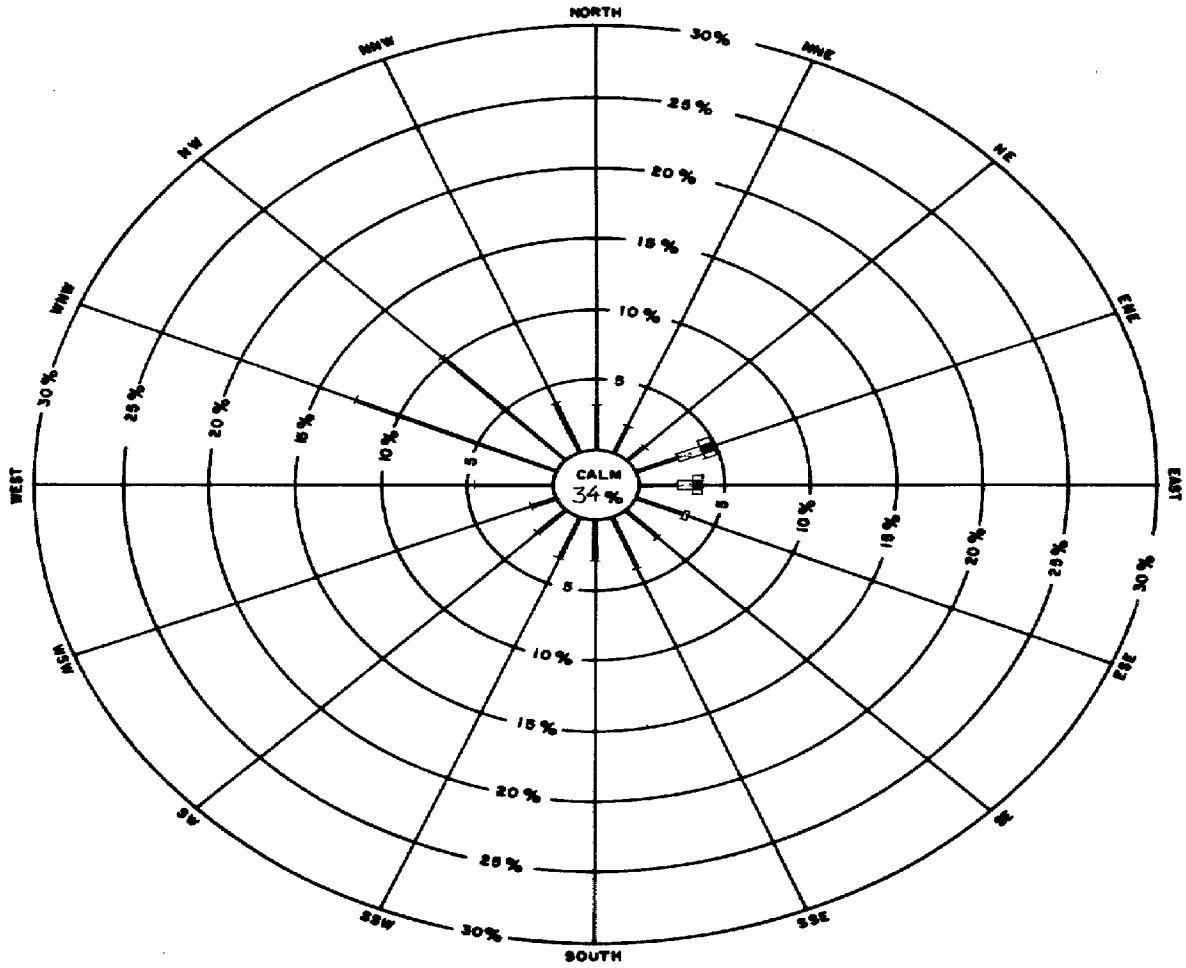
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



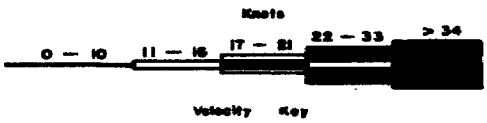
Met. Form 4

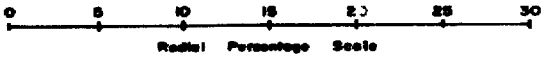
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Hours in month 744

Hours recorded 744





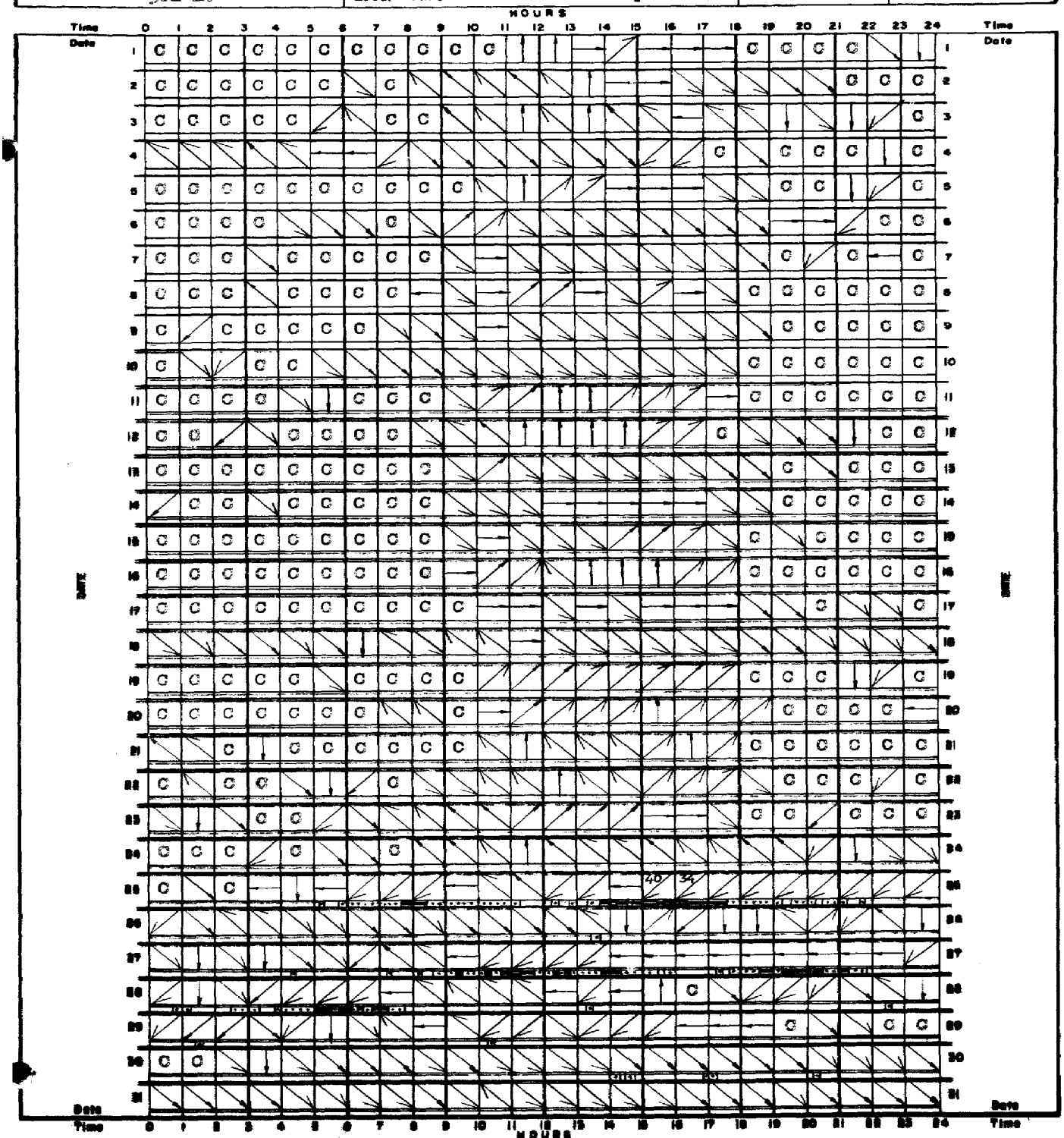
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

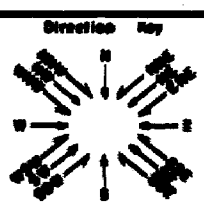
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: January	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



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: January Year: 1963

Station: Haft Kel

Ground Level: 292 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°27' N Long: 49°31' 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	9.1	6.2	2.2	7.2	62	987.2	–	0	0	8	16.3	11.0	6.4	9.7	56	986.4	–	0	3	15	1
2	9.0	7.1	4.8	8.6	75	986.3	–	0	3	8	16.3	12.1	8.1	10.8	58	986.5	240	4	3	10	2
3	10.1	7.2	3.4	7.9	64	985.7	–	0	0	12	19.8	12.0	3.4	7.8	34	986.5	150	6	3	15	3
4	12.0	9.1	5.8	9.3	66	983.9	220	8	8	15	15.8*		8.4*	10.9*	61*	984.6*					4
5	10.8	9.0	7.0	10.1	78	987.0	–	0	0	12	18.0	11.8	5.3	8.9	43	987.8	310	6	1	30	5
6	7.0	5.2	2.7	7.4	74	986.8	–	0	0	12	16.5	11.1	5.3	8.9	47	987.4	260	4	1	30	6
7	7.1	5.2	2.5	7.3	73	987.5	–	0	0	12	17.2	11.0	4.0	8.2	42	987.0	260	6	2	30	7
8	7.2	6.1	4.7	8.6	85	986.4	–	0	0	12	16.1	11.0	5.5	9.1	50	986.0	180	6	5	20	8
9	7.2	6.1	4.7	8.6	85	986.0	–	0	0	15	17.0	12.1	7.2	10.2	53	987.2	250	4	0	20	9
10	8.0	5.9	2.8	7.5	70	984.9	–	0	2	15	17.5	11.1	3.4	8.1	41	985.7	120	4	6	20	10
11	9.0	6.3	2.7	7.4	64	984.0	130	3	3	15	19.4*		2.3*	7.2*	32*	985.8*					11
12	8.1	6.1	3.4	7.9	72	986.5	–	0	0	15	19.5	11.2	1.2	6.7	29	986.5	170	4	4	20	12
13	8.0	6.0	0.6	6.4	60	987.5	–	0	0	15	18.7	11.0	1.8	7.0	32	986.6	320	8	0	30	13
14	7.2	5.1	2.2	7.1	70	986.8	–	0	0	15	19.5	11.2	1.2	6.7	30	987.5	260	8	3	30	14
15	9.0	6.0	1.8	7.0	61	987.2	–	0	0	15	19.8	11.3	1.0	6.6	29	987.8	280	6	1	30	15
16	9.0	5.1	−0.7	5.7	50	988.3	–	0	0	15	20.0	10.1	−3.8	4.5	19	988.4	140	10	0	30	16
17	7.0	4.0	−0.8	5.8	57	988.1	–	0	0	15	19.0	11.0	3.1	7.7	35	988.8	240	5	0	30	17
18	7.1	5.0	2.0	7.1	70	986.0	110	4	3	15	19.2*		5.2*	8.8*	41*	986.2*					18
19	9.4	7.0	4.0	8.1	69	985.5	–	0	2	12	18.3	11.0	2.3	7.3	35	986.3	300	10	4	20	19
20	7.1	4.9	1.7	6.9	68	985.8	120	5	1	15	18.0	11.0	2.8	7.5	36	987.9	150	8	5	20	20
21	7.5	5.1	1.7	6.9	66	987.9	–	0	0	6	20.5	12.4	3.5	7.9	33	988.3	100	5	5	10	21
22	8.4	6.1	2.9	7.6	69	988.3	–	0	2	12	21.0	14.0	7.5	10.4	42	987.6	130	4	1	15	22
23	12.2	7.5	1.1	6.6	46	986.8	–	0	6	12	21.5	14.0	7.0	10.0	39	985.1	170	4	3	20	23
24	12.3	9.0	5.2	8.9	62	984.2	130	4	7	15	20.5	12.8	4.8	8.6	36	984.1	150	4	8	20	24
25	14.0	8.5	1.2	6.7	42	982.4	080	10	8	15	15.8*		6.8*	9.8*	48*	983.6*					25
26	17.5	10.3	1.4	6.8	34	983.1	080	8	8	15	24.2	13.5	1.7	7.0	23	983.2	130	15	7	20	26
27	19.5	12.5	5.3	8.9	39	984.4	140	5	8	8	21.0	14.8	9.5	11.9	48	986.2	030	12	8	12	27
28	21.8	14.1	6.9	10.0	38	983.2	110	12	8	12	25.0	15.0	5.5	9.1	29	983.9	070	5	8	20	28
29	17.3	13.1	9.3	11.8	59	982.9	–	0	8	15	24.5	15.8	8.3	11.0	36	984.3	–	0	8	20	29
30	16.8	12.2	7.8	10.6	55	985.2	090	4	6	15	23.8	15.2	7.5	10.4	35	984.3	250	8	4	30	30
31	17.1	10.0	1.1	6.6	34	983.2	–	0	0	15	25.5	14.2	2.3	7.2	22	981.8	300	10	6	30	31
Av.	10.7	7.4	3.3	7.8	62	985.7	–	2	3	13	19.5	12.3	4.4	8.6	38	986.2	–	6	4	22	Av.

* Values obtained from recording instruments.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: January Year: 1963

Station: Haft Kel.

Ground Level: 292 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°27' N Long: 49°31' 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		
12.6	9.1	5.1	8.8	60	986.8	-	0	1	12		17.0	8.0	6.5	50.5			0	Mist	1
13.5	11.0	8.6	11.2	72	985.5	-	0	0	12		18.0	7.5	5.5	51.5			0	"	2
16.7	10.2	2.3	7.3	38	984.0	-	0	7	12		20.0	8.0	6.5	52.0			0	P.Cloudy	3
14.7	11.1	7.4	10.4	62	985.1	-	0	5	12		17.5	10.5	5.1	38.5			3.1	Rain	4
13.2	10.1	6.7	9.9	65	987.7	-	0	2	15		18.5	9.0	7.0	51.1			0	Fair	5
13.1	10.0	6.6	9.8	65	987.9	290	5	4	15		18.0	5.0	3.3	50.1			0	"	6
13.6	10.1	6.3	9.6	62	986.1	270	2	3	15		18.5	5.8	4.5	51.6			0	"	7
12.2	9.3	6.1	9.4	66	986.1	-	0	5	15		17.0	5.0	4.5	50.0			0	P.Cloudy	8
14.0	9.6	4.5	8.5	53	986.0	-	0	0	15		18.1	5.3	4.0	49.9			0	Clear	9
14.6	10.0	4.8	8.6	51	983.9	-	0	3	15		19.0	7.0	4.3	53.5			0	P.Cloudy	10
15.0	10.0	4.3	8.3	49	984.8	-	0	6	15		19.5	7.1	5.0	51.5			0	"	11
14.8	9.2	2.2	7.2	42	985.4	-	0	6	15		20.1	7.1	5.2	54.5			0	"	12
15.1	10.5	5.4	9.0	52	987.0	270	4	0	20		20.1	6.1	4.5	51.7			0	Clear	13
15.0	9.5	2.8	7.5	44	986.4	270	2	1	15		21.0	6.3	4.1	52.5			0	Fair	14
16.0	9.4	0.8	6.5	36	986.2	-	0	0	15		22.0	7.2	5.0	54.3			0	Clear	15
15.0	9.3	2.3	7.3	42	987.7	-	0	0	15		22.0	7.2	5.0	53.0			0	"	16
14.0	9.5	3.1	7.7	45	985.6	-	0	0	15		20.5	5.5	3.4	52.0			0	"	17
15.0	9.0	1.2	6.7	39	984.6	-	0	5	15		21.0	5.6	5.8	52.3			0	P.Cloudy	18
14.5	9.6	3.8	8.0	47	985.2	260	3	3	15		19.5	8.5	4.0	54.0			0	"	19
13.1	8.1	1.6	6.9	45	988.0	-	0	8	5		18.1	5.2	3.5	51.0			0	Haze	20
17.0	10.1	1.6	6.9	36	987.3	150	3	1	12		22.1	6.0	3.0	54.5			0	"	21
16.1	11.2	6.1	9.4	51	986.9	-	0	2	15		22.5	7.1	7.0	54.5			0	Fair	22
16.2	11.0	5.3	9.0	49	983.3	-	0	3	15		23.0	9.0	8.5	59.0			0	P.Cloudy	23
17.5	11.1	4.0	8.2	41	982.8	120	18	8	15		21.5	11.0	10.0	44.0			Tr.	Rain	24
16.1	10.0	2.7	7.4	40	982.2	-	0	8	15		18.5	10.2	7.8	39.2			5.6	"	25
21.0	12.8	4.1	8.2	33	983.3	150	10	8	7		25.5	13.2	10.0	56.5			Tr.	Haze	26
21.1	13.0	4.5	8.5	34	986.4	100	8	8	15		24.2	15.0	14.0	44.0			0	"	27
22.2	14.0	6.1	9.5	35	983.8	-	0	7	15		26.8	17.0	15.2	50.5			0	O-cast	28
22.3	14.1	6.2	9.6	35	981.8	-	0	1	20		25.5	15.5	14.0	59.0			0	Cloudy	29
20.2	12.5	4.3	8.4	35	984.1	330	8	0	15		25.0	14.0	12.0	60.0			0	P.Cloudy	30
22.2	14.2	6.7	9.9	37	981.5	-	0	8	15		25.0	12.6	10.0	60.0			0	"	31
16.1	10.6	4.4	8.5	47	985.3	-	2	4	14										Av.

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

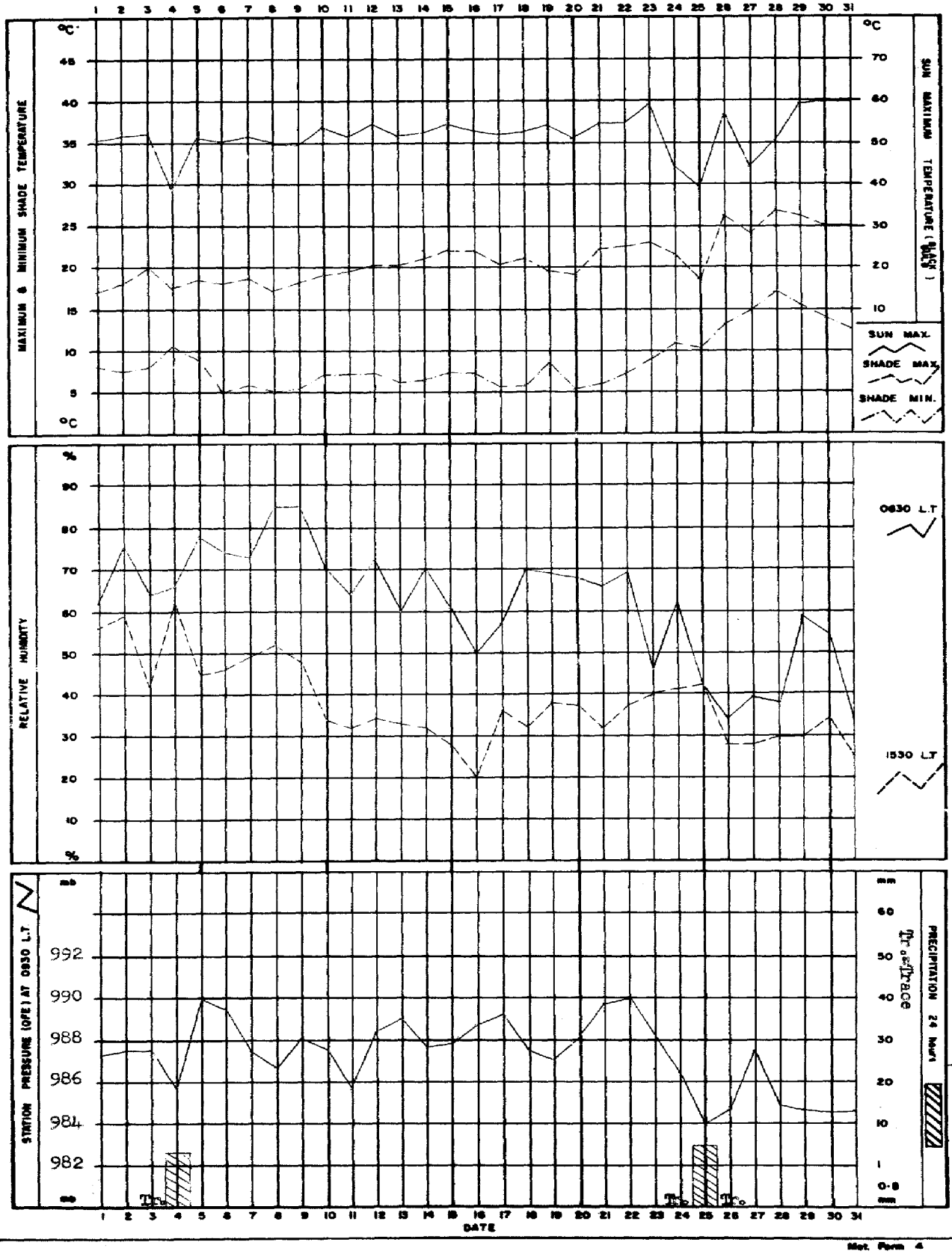
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Haft Kel.	
Ground Level: 292 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°27' N.	Long: 49°31' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: January Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°44' N | Long: 49°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	6.9	5.5	3.6	7.9	80	1017.8	–	0	0	15	15.8	12.9	10.3	12.6	70	1017.6	–	0	2	8	1
2	6.7	5.7	4.4	8.4	85	1017.1	–	0	1	10	17.4	12.7	8.2	10.9	55	1017.4	–	0	1	8	2
3	7.5	5.9	3.8	8.6	78	1016.7	–	0	0	15	22.0	12.5	1.7	6.9	26	1017.0	130	15	2	30	3
4	12.3	10.2	8.1	10.8	75	1013.9	120	8	8	15	17.2	14.6	12.6	14.6	74	1014.8	310	15	7	30	4
5	8.6	7.8	7.0	10.0	89	1018.1	310	6	1	15	20.0	13.7	8.0	10.7	46	1018.8	310	9	3	30	5
6	6.4	5.0	3.1	7.6	80	1018.7	–	0	1	30	16.0	11.8	7.6	10.5	58	1019.0	270	5	1	30	6
7	6.6	5.3	3.5	7.9	81	1018.1	–	0	0	20	16.0	11.7	7.5	10.4	57	1017.3	–	0	1	10	7
8	5.7	4.4	2.4	7.3	79	1017.3	–	0	0	10	15.6	11.3	7.0	10.0	56	1017.5	–	0	6	8	8
9	6.4	5.1	3.3	7.8	81	1017.9	–	0	0	10	17.7	12.4	7.2	10.2	50	1017.3	–	0	0	10	9
10	6.3	4.9	2.9	7.6	80	1016.3	130	2	3	10	18.3	12.4	6.4	9.7	46	1016.5	–	0	5	20	10
11	7.8	6.2	4.2	8.3	78	1015.6	–	0	4	15	19.2	12.1	4.5	8.5	38	1016.3	–	0	4	20	11
12	6.7	5.3	3.0	7.8	79	1017.0	–	0	0	20	19.5	13.0	6.6	9.8	43	1017.2	–	0	7	30	12
13	7.7	6.5	5.0	8.7	83	1018.1	–	0	0	20	17.0	12.0	7.1	10.1	52	1018.1	–	0	0	20	13
14	5.8	4.0	1.4	6.8	74	1018.3	–	0	0	10	17.6	12.1	6.6	9.8	49	1018.7	–	0	1	4	14
15	5.8	4.0	1.4	6.8	74	1017.6	–	0	1	20	20.6	13.0	5.2	8.9	37	1017.6	–	0	1	30	15
16	5.5	3.0	-1.1	5.6	62	1018.5	130	5	0	30	20.5	11.4	0.1	6.2	26	1019.3	150	2	0	30	16
17	6.4	4.3	1.1	6.6	69	1018.8	130	5	0	20	19.6	14.7	10.7	12.9	57	1018.9	–	0	2	30	17
18	8.0	6.9	5.6	9.1	85	1016.7	–	0	0	30	19.9	13.4	7.2	10.2	44	1016.6	310	2	5	30	18
19	8.1	5.8	2.6	7.4	68	1016.9	–	0	1	30	21.2	12.0	1.1	6.7	27	1017.1	310	10	1	30	19
20	6.0	4.8	3.1	7.7	82	1017.9	–	0	0	3	14.8	9.2	2.2	7.2	43	1018.7	–	0	5	2	20
21	6.7	4.5	1.2	6.7	68	1019.5	–	0	0	20	20.2	11.8	2.1	7.1	30	1019.6	–	0	7	10	21
22						1018.9*	120*	6*			22.5	13.6	4.6	8.5	31	1018.0	140	3	1	20	22
23	10.4	8.0	5.1	8.8	70	1016.9	–	0	7	20	21.7	14.0	6.8	9.9	38	1015.4	–	0	2	20	23
24	12.7	10.1	7.3	10.3	70	1013.6	–	0	7	20	21.8	14.0	6.7	9.8	38	1014.7	120	4	8	20	24
25	17.4	11.1	4.1	8.2	41	1012.7	120	10	4	30	22.8	15.0	8.1	10.8	39	1012.2	130	16	8	30	25
26	17.5	11.8	5.8	9.3	47	1013.3	130	8	6	30	27.4	14.0	-1.7	5.3	15	1013.6	150	26	5	4	26
27	19.2	11.9	3.9	8.1	36	1014.5	130	15	0	12	26.9	14.2	0.0	6.1	17	1016.7	180	16	8	30	27
28	16.2	11.0	5.3	9.0	49	1014.2	–	0	3	30	28.5	16.3	5.0	8.7	22	1013.7	160	5	8	40	28
29	15.3	12.0	9.0	11.5	66	1013.6	–	0	6	20	21.8	15.9	11.3	13.4	51	1013.3	–	0	8	30	29
30	12.6	10.0	7.2	10.2	70	1013.8	–	0	5	30	25.4	17.0	10.4	12.7	39	1013.4	330	4	4	30	30
31	12.9	9.0	4.4	8.4	57	1013.3	–	0	0	30	25.1	15.9	8.0	10.7	34	1012.3	–	0	7	30	31
Av.	9.4	7.0	4.1	8.3	71	1016.5	–	2	2	20	20.3	13.2	6.1	9.7	42	1016.6	–	4	4	22	Av.

* [illegible] obtained from recording instruments.

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: January Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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		
15.7	12.5	9.7	12.0	67	1017.2	300	3	0	12		18.6	5.3	5.7	55.1	330	15	0	Mist	1
17.1	12.9	9.0	11.5	59	1016.2	–	0	0	15		19.7	5.6	3.6	57.2			0	"	2
17.8	10.9	2.8	7.6	37	1014.7	130	10	6	30		22.6	6.6	5.3	63.3	270	27	Tr.	Rainsh.	3
16.5	14.4	12.7	14.7	78	1014.8	–	0	4	30		19.5	11.4	9.8	46.1	130	25	8.6	Rain	4
15.4	11.5	7.6	10.5	60	1019.2	280	5	3	30		21.3	7.6	7.2	58.2	350	19	0	P.Cloudy	5
16.0	11.6	7.2	10.2	56	1018.3	320	6	1	30		19.6	5.0	4.2	55.6	310	18	0	Fair	6
16.6	11.8	7.0	10.0	53	1016.3	320	4	4	30		20.2	5.6	4.8	55.6	290	9	0	Mist	7
15.6	11.8	8.1	10.9	61	1016.1	–	0	3	20		17.9	5.0	4.8	57.7			0	"	8
16.5	11.7	6.9	10.0	53	1016.3	–	0	0	20		20.3	5.6	4.6	56.2	310	14	0	"	9
18.0	12.4	6.8	9.9	48	1014.7	–	0	3	20		21.2	5.6	5.0	59.4			0	"	10
18.0	12.4	6.8	9.9	48	1015.7	–	0	3	30		20.6	6.5	5.2	59.2			0	P.Cloudy	11
18.5	12.0	5.2	8.9	42	1016.5	300	2	3	30		21.8	6.2	5.6	62.0	300	5	0	"	12
17.5	11.2	4.4	8.4	41	1017.4	300	5	1	30		22.0	6.7	5.2	58.6	300	18	0	Fair	13
17.4	11.7	6.0	9.3	47	1017.2	–	0	0	8		21.8	4.6	3.8	60.1	330	6	0	Mist	14
18.5	11.2	2.8	7.5	35	1017.1	–	0	0	30		23.5	5.0	3.4	61.2	150	7	0	Fair	15
18.4	12.3	6.1	9.5	45	1018.4	170	3	0	30		22.8	4.4	3.4	60.8	220	11	0	Clear	16
19.1	13.5	8.3	11.0	50	1016.1	–	0	0	30		22.1	5.2	4.3	61.2	150	6	0	Fair	17
18.9	12.9	4.7	8.6	40	1015.0	300	6	2	30		22.7	6.2	5.4	59.4	310	14	0	P.Cloudy	18
17.4	10.5	2.2	7.2	36	1016.2	300	8	3	30		22.6	5.4	4.4	59.4	340	23	0	Fair	19
16.6	10.0	1.8	7.0	37	1018.4	–	0	6	15		19.1	4.4	4.0	60.0	270	5	0	Haze	20
18.9	12.0	4.7	8.6	40	1018.0	170	9	2	30		23.4	5.6	4.6	59.4	190	16	0	"	21
19.1	13.7	8.9	11.4	52	1016.6	–	0	5	20		24.2	8.1	6.5	61.1	170	11	0	P.Cloudy	22
20.9	14.1	7.8	10.7	43	1014.0	–	0	7	30		24.0	9.4	8.6	61.2	190	2	0	"	23
18.5	13.5	8.9	11.5	54	1013.0	140	7	7	20		23.2	11.4	10.6	53.9	170	21	Tr.	Rain	24
21.4	12.7	5.3	7.7	30	1011.4	140	18	8	40		25.6	12.4	11.6	55.8	180	27	Tr.	"	25
21.7	13.5	5.3	8.9	34	1014.4	130	10	6	20		28.1	16.5	15.4	60.6	170	36	0	Haze	26
22.4	13.4	4.0	8.2	30	1016.2	130	6	8	40		27.7	16.4	15.5	55.1	180	22	0	"	27
24.0	15.9	9.2	11.6	39	1014.1	–	0	6	40		29.6	14.8	12.5	67.2	220	15	0	Cloudy	28
23.1	15.4	8.8	11.4	40	1011.9	280	3	1	40		27.8	14.8	13.0	65.3	280	20	0	"	29
24.0	14.6	5.7	9.1	31	1013.1	320	11	1	30		28.0	11.4	10.2	65.0	290	19	0	P.Cloudy	30
25.8	14.6	4.6	8.5	27	1010.6	310	5	8	30		28.2	9.9	7.5	68.1	360	16	0	"	31
18.8	12.7	6.4	9.7	46	1015.6	–	4	3	27										Av.

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

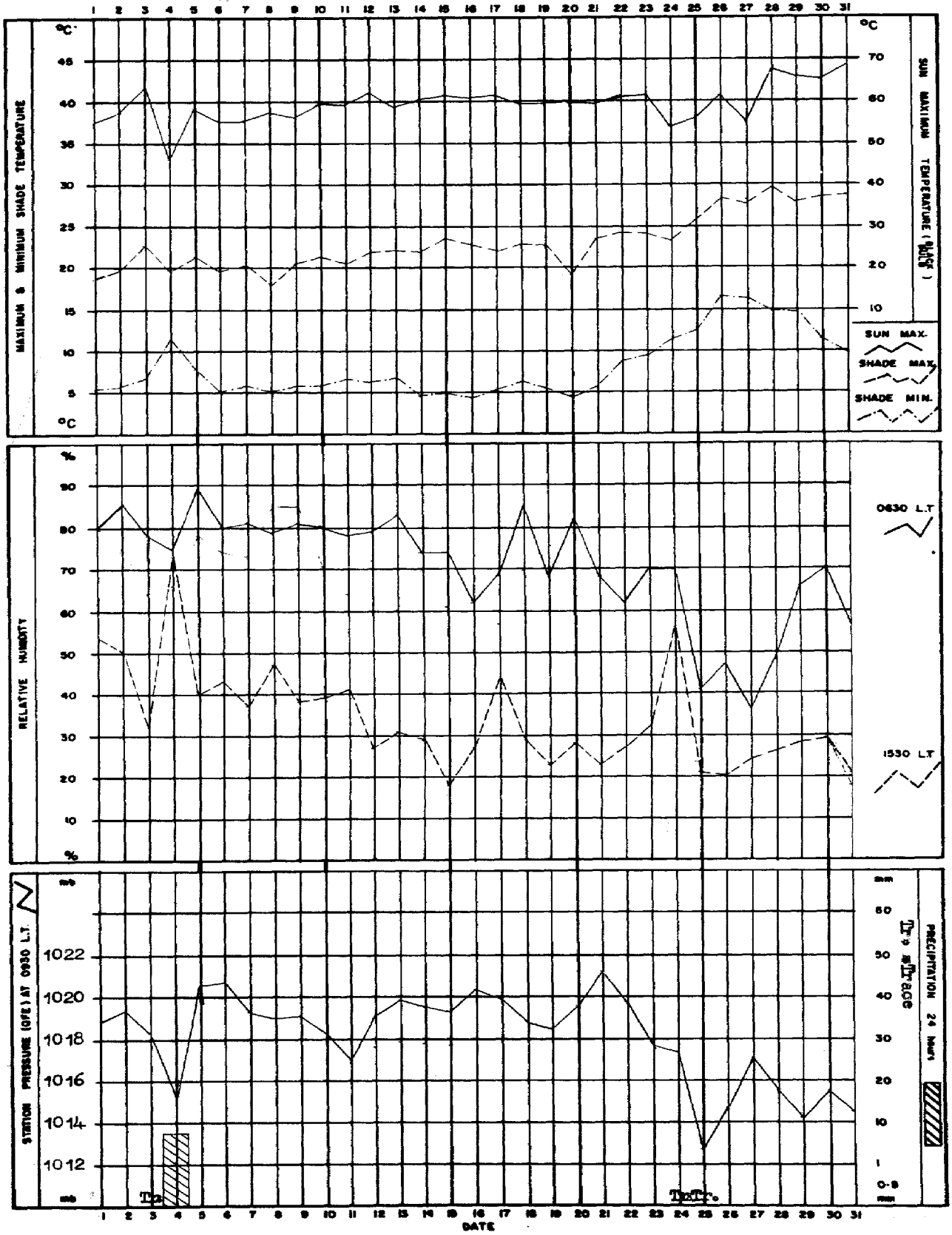
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

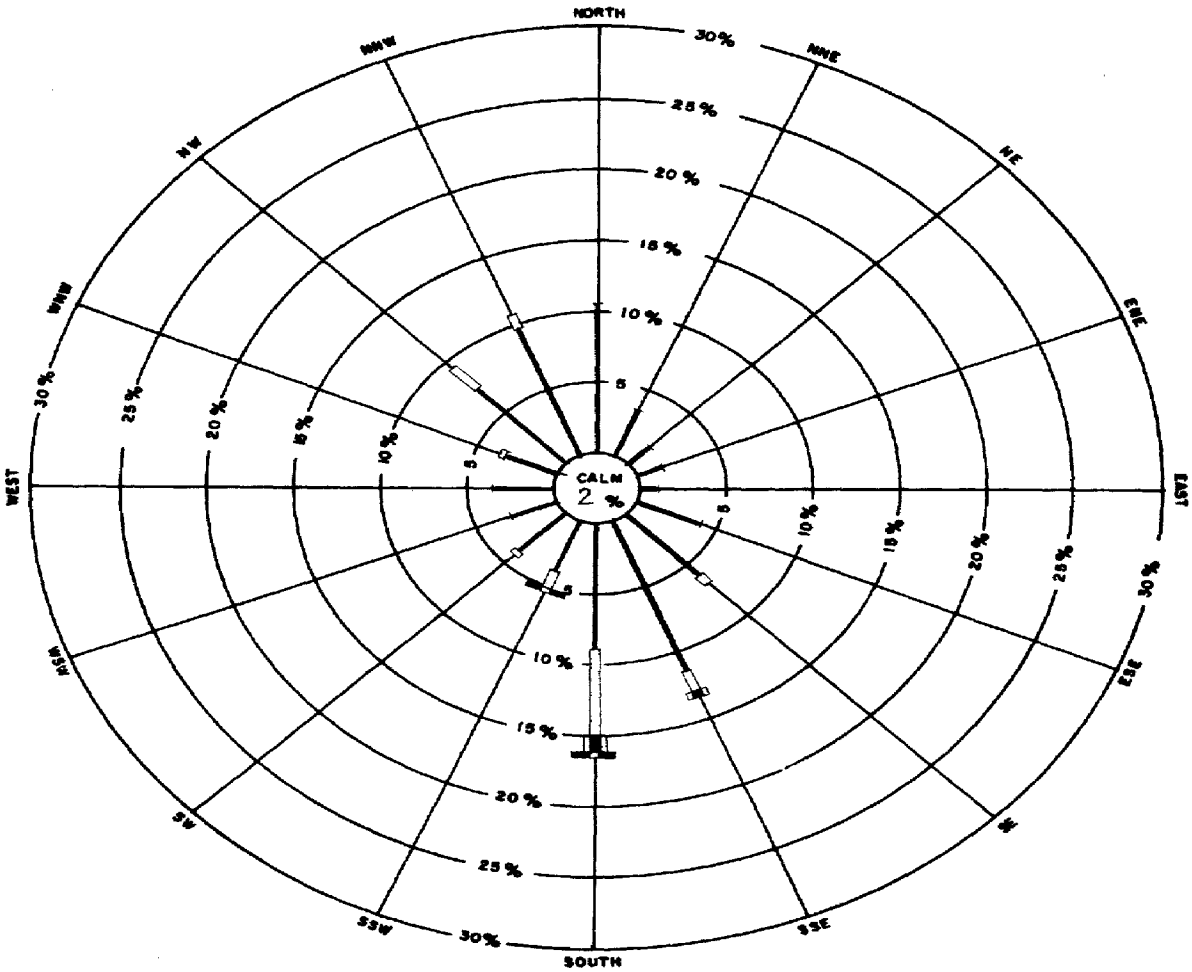
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



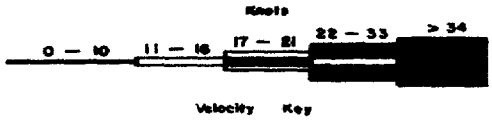
Met. Form 4

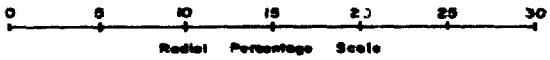
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Hours in month 744

Hours recorded 744





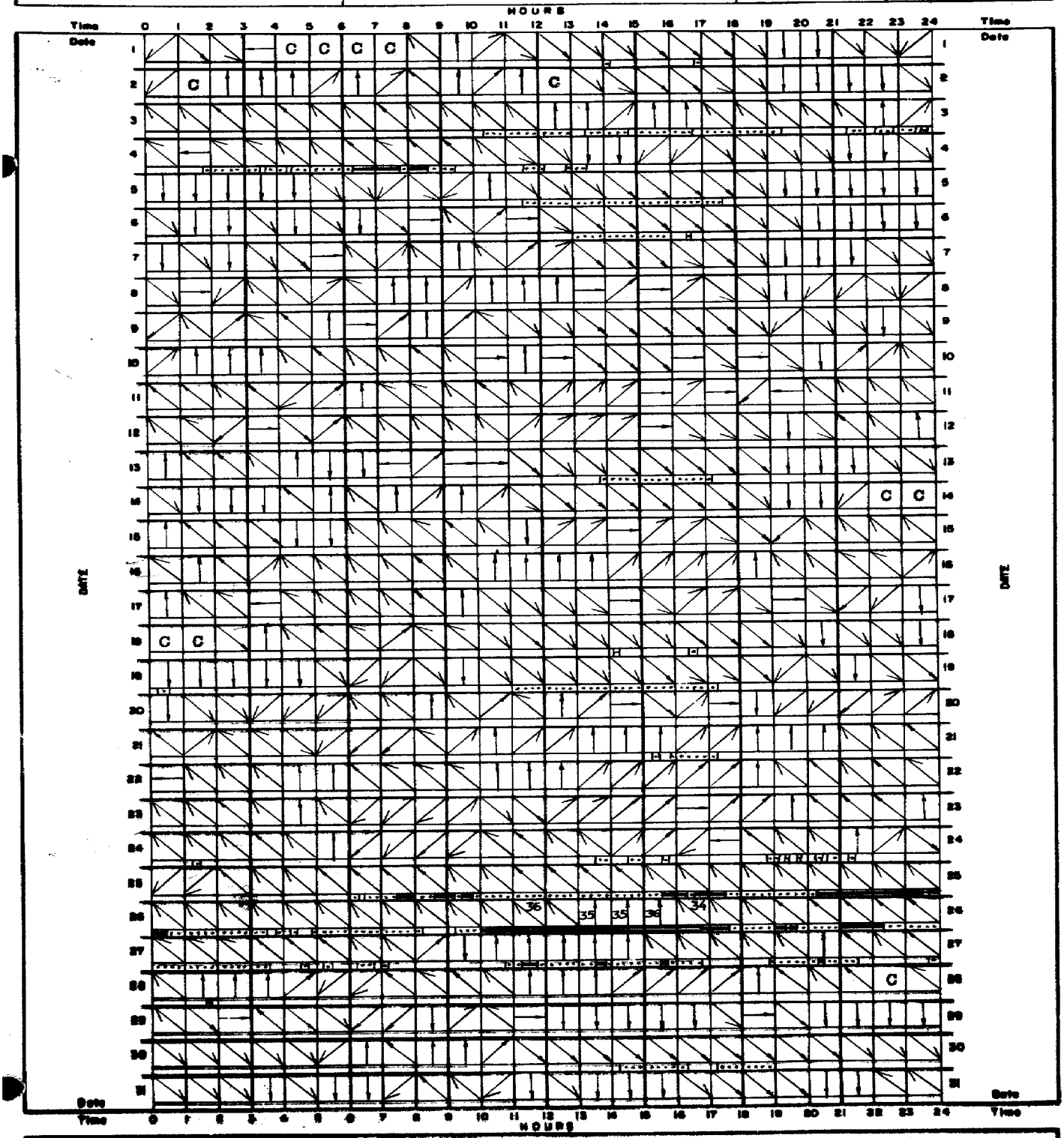
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

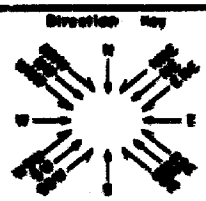
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: January	Year: 1963
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



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: Minor overhaul on 25th.

Met. Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: January Year: 1963

Station Gach Saran.

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30° 20' N Long: 50° 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	3.2	3.2	3.2	7.7	100	935.1	–	0	0	0.7	15.4	10.6	5.3	9.0	51	934.8	250	5	1	25	1
2	3.0	3.0	3.0	7.6	100	935.1	–	0	0	0.8	16.1	10.3	3.5	7.9	43	935.1	–	0	0	25	2
3	4.0	3.8	2.4	7.3	90	935.6	–	0	0	20	18.0	9.7	-1.4	5.5	27	936.0	150	8	1	25	3
4	10.0	8.9	7.7	10.5	86	935.2	130	10	8	20	15.6	12.1	8.8	11.4	64	934.3	160	11	6	30	4
5	6.6	6.4	6.1	9.4	97	935.8	–	0	0	12	14.7	11.8	9.0	11.5	69	936.4	300	3	2	20	5
6	3.5	3.3	3.0	7.6	97	935.4	–	0	0	14	15.2	11.2	7.1	10.1	59	935.6	–	0	1	20	6
7	3.5	3.2	2.8	7.5	95	935.5	–	0	0	16	14.7	10.8	6.7	9.8	59	934.3	–	0	1	16	7
8	2.4	1.9	1.1	6.6	91	934.5	–	0	0	20	14.5	9.7	4.1	8.2	50	934.4	–	0	2	20	8
9	3.1	2.9	2.7	7.4	97	935.1	–	0	0	25	16.4	10.5	3.8	8.0	43	934.4	–	0	0	30	9
10	2.7	2.1	1.1	6.6	90	934.5	–	0	1	30	18.0	9.3	-3.1	4.8	23	934.3	120	6	2	30	10
11	3.6	2.3	0.2	6.2	79	933.5	–	0	8	30	15.9	8.6	-1.7	5.3	29	934.4	150	8	6	30	11
12	2.8	2.0	0.7	6.4	86	935.0	–	0	0	30	17.3	9.8	0.2	6.2	31	935.3	230	2	4	30	12
13	2.4	1.3	-0.6	5.8	81	935.4	–	0	0	25	17.0	9.2	-1.3	5.5	28	935.4	270	12	0	30	13
14	1.4	0.6	-0.7	5.8	86	936.4	–	0	0	20	18.4	9.3	-3.9	4.4	21	936.5	130	4	1	30	14
15	1.5	0.3	-1.8	5.3	78	936.1	–	0	0	20	18.0	8.6	-6.0	3.7	18	936.2	150	7	2	30	15
16	1.0	-0.4	-2.8	4.8	73	937.6	–	0	0	20	18.2	8.6	-6.6	3.5	17	937.4	–	0	0	30	16
17	0.0	-1.7	-5.4	3.9	64	936.6	–	0	0	20	18.0	8.6	-6.0	3.7	18	936.4	220	2	2	30	17
18	0.0	-1.2	-3.7	4.5	74	935.0	–	0	0	20	17.5	9.1	-2.8	4.8	24	934.4	250	2	2	30	18
19	2.9	1.1	-2.1	5.2	69	934.9	–	0	2	20	18.0	10.0	-0.4	5.9	29	934.6	–	0	1	25	19
20	1.5	0.1	-2.4	5.0	73	935.2	–	0	0	30	16.4	8.4	-3.4	4.6	25	935.4	150	5	1	30	20
21	2.8	1.2	-1.6	5.4	72	937.3	–	0	1	20	18.6	9.6	-3.0	4.8	22	937.8	160	6	4	20	21
22	3.1	1.1	-2.4	5.0	66	937.3	–	0	4	20	18.9	9.6	-3.7	4.5	21	936.6	180	7	2	20	22
23	5.2	3.7	1.4	6.8	77	935.5	–	0	7	20	19.5	9.8	-4.0	4.4	19	933.9	–	0	1	25	23
24	8.6	5.4	0.7	6.4	58	932.9	–	0	7	30	18.6	10.0	-1.6	5.4	25	934.5	–	0	7	30	24
25	14.0	8.5	1.2	6.7	42	933.3	030	11	7	16	19.9	9.7	-5.4	3.9	17	932.8	120	7	7	30	25
26	14.1	7.7	-1.6	5.4	33	934.8	120	8	5	25	22.9	11.6	-3.4	4.6	16	934.7	120	10	4	30	26
27	9.2	6.8	3.7	8.0	69	936.4	–	0	2	12	24.0	13.4	1.7	6.9	23	936.4	150	8	6	15	27
28	9.2	6.1	1.8	6.9	59	934.9	–	0	0	20	23.9	13.6	2.6	7.4	25	934.5	300	4	6	20	28
29	10.6	7.8	4.4	8.4	66	933.4	–	0	5	20	23.0	12.6	0.4	6.3	23	932.6	270	16	7	20	29
30	9.0	5.7	1.1	6.6	58	933.7	250	8	1	20	23.6	13.6	3.0	7.6	26	933.3	270	6	2	25	30
31	8.6	6.6	4.0	8.2	73	933.1	–	0	0	25	22.4	13.4	4.0	8.2	30	932.3	230	4	5	25	31
Av.	5.0	3.3	0.9	6.6	77	935.2	–	1	2	20	18.4	10.4	0.1	6.4	31	935.0	–	5	3	26	Av.

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: January Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°50' E.

Observations at 1830										Height of 850 mb AMSL at 1530 L.T.	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		
11.8	9.3	6.6	9.7	70	934.6	280	4	0	25	1430	17.2	2.4	2.4	47.5			0	Fog	1
12.3	9.4	6.2	9.5	66	934.3	–	0	0	20	1430	18.0	1.8	0.9	48.1			0	"	2
15.0	9.4	2.4	7.3	43	935.2	–	0	6	20	1443	19.6	3.0	1.5	49.5			0	Fair	3
13.0	12.0	11.1	13.2	89	933.6	140	10	8	15	1433	17.2	9.5	7.5	53.0			7.1	Th.storm	4
11.4	9.0	6.3	9.6	71	936.4	270	8	4	16	1450	16.7	5.5	4.5	50.1			0.7	Mist	5
12.0	9.5	6.8	9.9	70	935.7	270	8	3	20	1438	16.7	2.3	1.3	47.2			0	Fair	6
12.1	9.0	5.4	9.0	64	934.1	260	6	3	20	1428	16.8	2.5	1.1	47.4			0	"	7
11.8	8.5	4.6	8.5	62	933.8	290	5	5	20	1425	16.5	2.0	0.4	47.0			0	P.Cloudy	8
12.4	8.9	4.8	8.6	60	934.4	300	4	0	30	1428	18.4	1.1	0.4	49.2			0	Clear	9
13.0	9.0	4.3	8.3	55	933.3	–	0	1	30	1427	19.0	2.2	0.4	50.0			0	Fair	10
13.1	8.5	2.7	7.4	49	934.2	–	0	3	30	1429	18.1	3.2	2.4	52.2			0	P.Cloudy	11
13.6	8.0	0.2	6.2	40	935.0	–	0	4	30	1436	18.6	2.0	0.9	51.5			0	Fair	12
13.3	7.8	0.2	6.2	41	935.5	270	6	0	30	1434	18.6	1.1	-0.4	49.7			0	Clear	13
14.0	7.8	-1.0	5.6	35	935.6	–	0	0	30	1445	20.4	1.1	0.0	50.8			0	"	14
14.2	7.2	-3.5	4.6	28	935.9	–	0	1	30	1447	20.6	0.9	-0.7	53.0			0	Fair	15
13.8	7.1	-3.2	4.7	30	937.1	260	5	0	40	1454	20.9	0.2	-0.5	51.3			0	Clear	16
13.1	8.9	3.8	8.0	53	934.9	–	0	0	30	1444	20.0	-0.5	-1.6	53.0			0	Fair	17
13.4	6.6	-4.3	4.3	28	933.7	–	0	0	30	1427	20.0	-1.1	-2.0	51.4			0	"	18
14.0	7.4	-2.4	5.0	31	934.2	270	8	4	30	1429	19.9	1.8	0.4	51.0			0	"	19
12.5	7.5	0.6	6.4	44	936.0	260	5	5	20	1438	18.7	0.4	-0.2	51.2			0	"	20
14.8	8.4	-0.4	5.9	35	937.4	300	3	2	20	1458	19.6	1.6	0.1	51.4			0	P.Cloudy	21
16.0	9.6	1.6	6.9	38	935.2	–	0	7	20	1445	21.0	1.9	0.9	52.0			0	"	22
16.0	10.2	3.4	7.8	43	933.5	260	6	4	25	1431	22.4	4.5	3.6	52.9			0	"	23
17.0	9.0	-2.2	5.1	26	933.4	–	0	7	20	1432	20.4	6.4	4.9	52.6			Tr.	Rain	24
18.3	9.0	-4.9	4.1	19	933.1	120	5	7	30	1438	21.5	7.8	6.3	50.0			1.0	"	25
20.0	11.7	2.2	7.2	31	935.2	180	8	2	6	1455	24.9	12.7	11.7	58.0			0	Haze	26
19.3	12.2	4.7	8.5	38	937.0	–	0	7	20	1468	25.1	8.7	7.1	56.6			0	"	27
20.4	12.5	4.1	8.2	34	934.4	270	6	7	20	1448	26.1	7.9	6.5	58.1			0	P.Cloudy	28
19.0	11.1	1.6	6.9	31	932.1	270	7	0	30	1435	25.2	9.6	8.8	58.7			0	"	29
20.0	12.4	4.3	8.3	36	933.3	270	7	2	25	1433	25.7	7.6	6.9	57.0			0	Fair	30
19.4	13.8	8.7	11.2	50	931.9	–	0	8	20	1423	24.3	7.0	6.0	60.5			0	P.Cloudy	31
14.8	9.4	2.4	7.5	45	934.7	–	4	3	24	1438									Av.

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

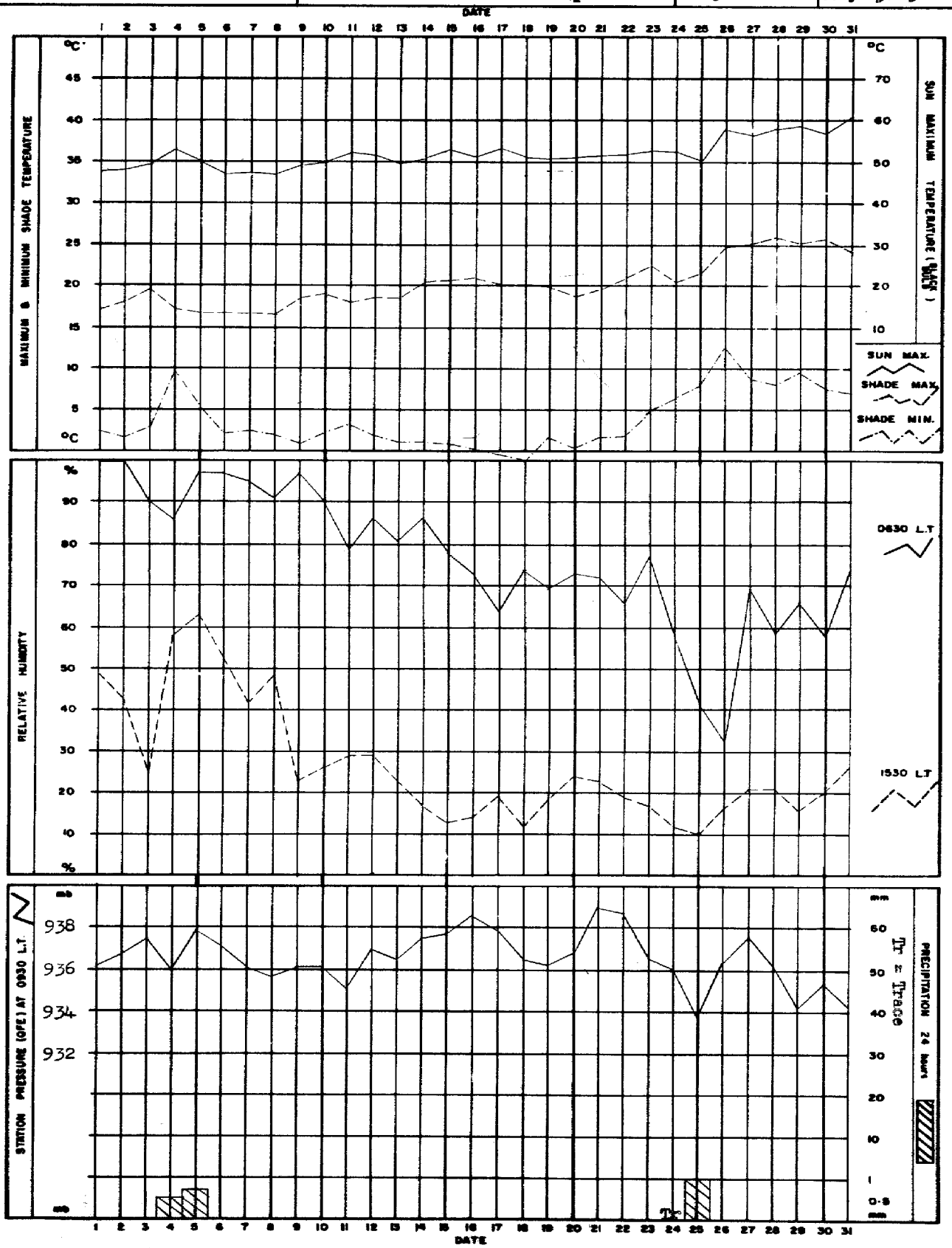
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 50°50' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: January Year: 1963

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	6.7	6.3	5.8	9.2	94	1018.2	–	0	0	10	15.4	13.0	10.9	13.2	74	1018.2	270	25	1	15	1
2	6.7	6.2	5.6	9.0	92	1017.6	300	5	1	4	16.2	13.4	11.1	13.1	70	1018.2	060	4	0	15	2
3	7.2	7.0	6.7	9.9	97	1016.9	090	8	0	10	18.2	15.2	12.8	14.9	71	1017.0	090	20	6	20	3
4	15.4*		14.0*	16.0*	91	1015.4*					18.9*		12.6*	14.6*	67	1015.7*					4
5	8.7	8.0	7.2	10.2	90	1018.8	–	0	0	15	18.2	12.2	6.1	9.5	45	1020.8	270	10	2	35	5
6	6.2	5.5	4.6	8.5	89	1019.0	300	6	0	25	16.5	12.3	8.3	11.0	58	1019.4	300	8	0	30	6
7	6.4	5.5	4.3	8.3	86	1018.5	–	0	0	25	15.4	11.7	8.1	10.8	62	1017.8	270	4	1	15	7
8	5.0	4.2	3.0	7.6	87	1017.3	–	0	0	15	14.0	11.0	8.0	10.8	68	1017.6	–	0	6	30	8
9	4.8	4.3	3.6	8.0	92	1018.0	–	0	0	20	16.0	12.3	9.3	11.5	62	1018.0	–	0	0	18	9
10	7.0	6.5	5.9	9.4	93	1017.2	300	4	1	25	17.4	12.6	8.1	10.7	55	1017.0	310	7	4	25	10
11	8.6*		7.5*	10.4*	93	1016.0*					17.7*		6.8*	9.9*	49	1016.5*					11
12	6.3	5.4	4.2	8.2	87	1017.7	320	4	0	30	18.9	12.8	6.7	9.9	45	1017.4	110	7	5	30	12
13	8.0	6.6	4.8	8.7	80	1018.5	270	10	0	30	17.3	12.4	7.7	10.4	53	1018.7	270	6	0	20	13
14	5.8	5.2	4.4	8.3	91	1018.7	290	6	0	10	18.4	12.3	5.9	9.3	43	1018.2	250	5	0	10	14
15	5.7	4.4	2.2	7.2	80	1017.9	040	5	0	25	18.8	12.6	6.4	9.7	44	1018.4	–	0	0	20	15
16	5.2	3.7	1.4	6.8	77	1019.2	080	5	0	30	20.3	13.0	5.6	9.1	38	1019.2	100	6	0	30	16
17	6.3	6.2	6.1	9.5	98	1018.8	090	5	0	0.0	18.8	15.2	12.3	14.5	67	1019.1	–	0	2	35	17
18	9.3*		7.9*	10.7*	91	1017.5*					18.8*		9.3*	11.8*	54	1017.4*					18
19	8.2	6.8	5.1	8.9	80	1017.9	350	6	0	25	19.3	12.8	6.3	9.7	42	1017.7	280	12	2	30	19
20	3.9	2.7	0.6	6.4	80	1017.9	160	5	0	20	15.2	9.8	3.3	7.8	45	1019.2	280	7	5	30	20
21	4.3	3.0	1.1	6.6	78	1020.0	030	7	1	25	19.0	12.0	4.4	8.5	38	1019.7	090	8	1	30	21
22	7.2	5.7	3.7	8.0	79	1019.0	040	7	0	25	21.2	16.8	13.7	15.7	62	1017.8	120	10	6	25	22
23	10.1	9.7	9.2	11.8	95	1016.7	040	8	5	30	20.4	16.2	13.1	15.1	62	1016.2	180	4	4	30	23
24	11.5	10.7	10.0	12.3	90	1015.8	110	5	6	30	18.1	15.3	13.3	15.3	73	1012.7	060	26	8	14	24
25	12.0*		8.6*	11.2*	80	1013.6*					15.6	13.2	11.2	13.3	74	1012.9	030	15	8	35	25
26	16.9	14.8	13.2	15.2	78	1013.2	130	8	5	25	22.8	18.0	14.8	16.8	61	1013.5	150	20	7	25	26
27	15.2	13.2	11.5	13.5	79	1016.5	300	8	8	25	21.0	15.0	10.0	12.4	49	1015.3	090	20	8	15	27
28	16.0	11.9	7.8	10.7	58	1014.1	140	6	6	20	23.0	16.9	12.2	14.4	52	1014.6	130	8	8	30	28
29	15.4	13.7	12.3	14.4	82	1013.8	030	6	8	25	21.1	16.7	13.6	15.4	62	1014.0	270	10	7	25	29
30	12.8	11.7	10.6	12.8	87	1014.5	300	6	1	30	23.7	16.9	11.7	13.8	47	1013.8	300	10	4	30	30
31	10.0	7.8	5.0	8.8	72	1014.6	280	6	0	25	23.2	14.8	7.2	10.3	36	1013.3	270	4	4	30	31
Av.	8.8	7.3	6.4	9.9	85	1017.1	–	5	2	21	18.7	13.4	9.4	12.0	56	1016.9	–	9	4	25	Av.

* Values obtained from recording instruments.

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: January Year: 1963

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		
13.7	12.2	10.8	13.2	83	1017.5	300	6	0	20		17.5	6.1	3.5	50.0			0	Mist	1
15.4	13.3	11.5	13.7	78	1016.8	–	0	1	20		19.6	5.7	4.0	52.8			0	"	2
16.8	14.4	12.5	14.5	76	1014.7	180	6	0	15		20.8	6.3	5.5	55.1			0	"	3
15.9	13.2	10.9	13.1	73	1015.7	330	4	0	25		20.2	11.2	9.4	55.3			1.0	Rain	4
14.7	10.2	5.2	8.9	53	1019.8	300	5	0	30		19.3	7.5	5.7	53.4			0	Clear	5
14.8	10.7	6.4	9.6	57	1019.0	270	4	2	30		19.2	5.3	3.9	52.8			0	"	6
14.3	10.8	7.2	10.3	62	1017.4	–	0	3	30		19.2	5.2	4.0	55.0			0	Fair	7
14.3	11.2	8.1	10.8	67	1016.8	–	0	0	25		17.6	4.2	2.4	56.1			0	"	8
14.0	10.7	7.2	10.3	64	1017.2	250	5	0	30		19.1	3.5	2.0	51.1			0	Mist	9
14.9	11.2	7.4	10.5	61	1015.4	–	0	2	25		19.8	5.5	2.6	54.7			0	P.Cloudy	10
16.3	11.5	6.7	9.8	53	1016.1	–	0	7	25		20.6	4.8	3.2	56.0			0	"	11
17.3	13.4	10.0	12.2	63	1016.9	–	0	2	25		21.7	5.2	2.9	59.9			0	"	12
15.9	10.6	4.7	8.6	47	1017.9	280	6	0	30		21.0	6.2	5.3	55.4			0	Clear	13
17.1	11.2	4.8	8.7	43	1017.4	180	4	0	30		21.6	4.2	3.0	55.1			0	Mist	14
15.7	10.8	5.5	9.1	51	1017.2	120	4	0	30		22.2	5.0	2.3	56.3			0	Clear	15
15.6	11.2	6.7	9.7	55	1018.6	090	10	0	25		21.8	4.3	2.5	55.9			0	"	16
17.9*		9.5*	11.9*	58*	1017.1*						19.2	5.9	5.2	56.8			0	Fog	17
17.7	12.3	7.0	10.1	50	1015.9	300	6	0	25		20.2	5.2	4.0	56.1			0	Clear	18
15.7	11.2	6.5	9.7	55	1017.6	300	6	0	30		19.7	7.8	6.0	54.0			0	Fair	19
13.8	9.3	4.0	8.2	51	1018.9	280	4	7	25		18.0	3.3	2.0	53.9			0	P.Cloudy	20
13.7	9.4	4.3	8.4	52	1018.2	140	6	0	30		21.8	3.7	2.2	55.6			0	Fair	21
17.2	14.1	11.5	13.6	70	1016.9	180	6	7	25		22.0	6.5	4.7	57.2			0	P.Cloudy	22
17.3	13.6	10.4	12.6	65	1015.3	140	5	2	30		23.4	9.6	8.3	57.3			0	"	23
15.0	12.8	10.8	13.0	77	1013.2	090	6	6	30		18.6	10.2	9.0	48.3			2.8	Rain	24
17.2	14.5	12.2	14.3	73	1011.4	120	10	7	30		19.0	10.2	8.5	53.4			3.8	"	25
20.0	18.0	16.7	19.2	81	1014.0	140	22	8	30		22.8	12.4	11.7	47.5			0	Cloudy	26
19.9	14.4	9.7	12.0	51	1014.6	140	10	8	20		22.8	12.7	11.5	34.5			Tr.	Rainsh.	27
21.3	16.4	12.8	14.8	58	1013.6	090	12	8	25		25.8	15.0	13.7	58.7			0	O-cast	28
20.7	16.2	12.8	14.8	62	1013.0	300	3	1	30		25.0	14.4	13.2	60.8			Tr.	Rain	29
19.4	12.3	4.9	8.7	39	1014.5	280	18	0	25		25.2	12.0	10.6	63.9			0	Fair	30
18.8	12.1	5.1	8.9	41	1011.8	280	7	0	30		23.9	9.4	7.5	63.3			0	"	31
16.5	12.4	8.5	11.4	60	1016.6	–	6	2	27										Av.

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

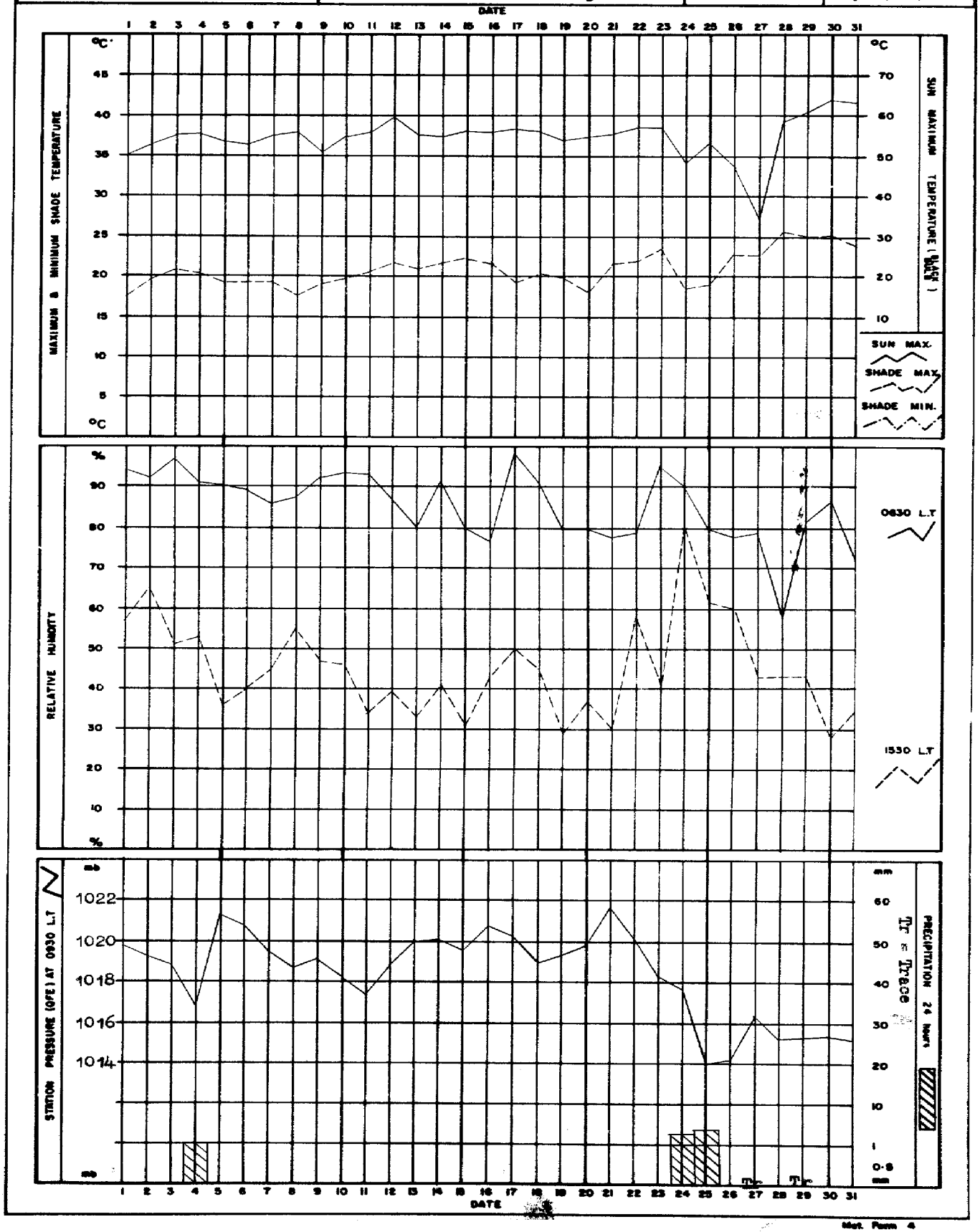
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		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: January Year: 1963

Station: Bandar Mashur.

Ground Level: 3 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30° 30' N | Long: 49° 12' 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	9.2	7.9	6.4	9.6	83	1019.7	330	5	0	18	15.8	12.6	9.7	12.0	67	1019.9	300	5	1	15	1
2	9.3	8.4	7.4	10.3	88	1019.0	–	0	0	14	16.0	13.1	10.6	12.8	71	1019.5	–	0	0	14	2
3	11.7	10.9	10.2	12.4	90	1018.4	140	6	0	20	20.5	16.5	13.6	15.6	65	1019.3	180	10	6	16	3
4	16.0	13.1	10.6	12.8	71	1016.8	170	4	7	15	19.5	16.0	13.4	15.4	68	1016.7	270	5	8	15	4
5	10.9	9.1	7.1	10.1	78	1020.1	360	4	0	25	19.0	14.0	9.7	12.0	55	1021.3	330	8	6	20	5
6	8.4	7.2	5.7	9.2	84	1020.7	300	9	0	20	14.8	11.7	8.7	11.3	68	1021.0	320	8	0	20	6
7	8.8	7.5	6.0	9.3	82	1020.0	350	4	0	20	15.8	11.8	7.9	10.6	59	1019.1	310	6	3	20	7
8	8.8	7.5	6.0	9.3	82	1019.2	350	4	0	15	14.8	11.7	8.7	11.3	68	1018.8	280	3	3	25	8
9	8.2	6.9	5.3	8.9	82	1019.5	320	5	0	25	15.2	12.2	8.4	11.0	60	1019.3	310	6	0	25	9
10	8.5	7.4	6.1	9.4	85	1018.4	–	0	1	17	17.0	13.0	9.4	11.8	61	1018.6	–	0	3	20	10
11	10.4	9.6	8.8	11.3	90	1016.8	–	0	5	25	16.8	13.4	10.4	12.7	66	1017.7	–	0	6	20	11
12	9.0	8.7	8.3	11.0	96	1018.7	–	0	1	0.8	18.0	14.2	11.1	13.2	64	1018.9	–	0	6	25	12
13	9.0	7.5	5.7	9.2	80	1019.8	340	8	0	20	17.0	12.2	7.5	10.4	54	1019.8	340	5	0	25	13
14	9.0	7.5	5.7	9.2	80	1020.4	350	5	0	2	16.3*		9.7*	12.0*	65*	1019.7*	300*	2*			14
15	10.4	8.7	6.8	9.9	79	1019.4	–	0	1	14	19.4	14.2	9.7	12.1	54	1019.4	–	0	2	18	15
16	10.9	10.0	9.1	11.5	85	1020.1	–	0	0	40	19.0	15.0	11.8	13.8	63	1020.6	–	0	1	20	16
17	11.5	10.6	9.7	12.1	89	1020.0	090	6	0	30	19.0	16.3	14.2	15.2	74	1019.9	–	0	3	25	17
18	10.2	10.2	10.2	12.4	100	1018.8	–	0	0	0.5	19.0	15.0	11.8	13.8	63	1018.7	–	0	2	18	18
19	10.6	8.6	6.3	9.6	75	1019.1	360	5	0	35	19.3	12.9	6.6	9.8	44	1019.4	350	12	3	30	19
20	9.1	6.9	4.1	8.2	71	1020.0	340	7	0	14	14.8*		6.6*	9.8*	58*	1020.5*	300*	5*			20
21	7.8	5.8	3.1	7.6	72	1021.5	050	7	5	30	18.2	12.2	6.1	9.5	45	1021.1	160	4	7	20	21
22	13.0	12.0	11.1	13.2	88	1019.7	160	8	5	20	21.3	17.8	15.4	17.6	70	1019.9	170	7	4	20	22
23	11.2	10.1	9.0	11.5	87	1018.0	100	6	5	40	21.0	17.8	15.7	17.8	72	1017.5	–	0	4	25	23
24	15.0	14.2	13.6	15.6	92	1016.0	–	0	5	30	18.8	16.5	14.8	16.9	78	1015.2	140	10	8	30	24
25					77	1013.4*	120*	9*			20.0	15.0	10.9	13.0	56	1013.8	180	12	8	20	25
26	16.6	14.6	13.1	15.0	80	1014.4	160	14	4	20					70	1014.8*	170*	23*			26
27	16.1	12.5	9.2	11.6	64	1016.5	160	5	6	25	20.8	16.6	13.6	15.5	63	1016.9	170	14	8	15	27
28	16.1	14.1	12.5	14.5	79	1015.3	150	4	6	40	23.8	18.1	14.2	16.2	55	1015.5	160	5	7	25	28
29	16.2	14.3	12.8	14.8	80	1015.3	–	0	8	20	19.2	16.8	15.2	17.2	78	1014.7	–	0	8	20	29
30	14.4	13.2	12.2	14.2	87	1015.7	350	5	3	40	24.0	17.5	12.8	14.8	50	1015.1	010	7	4	30	30
31	11.1	8.0	4.2	8.2	62	1015.5	350	6	4	20	24.4	15.5	7.7	10.5	34	1015.5	360	9	5	25	31
Av.	11.5	9.8	8.2	11.1	82	1018.3	–	4	2	22	18.7	14.6	10.9	13.2	62	1018.3	–	5	4	22	Av.

* Values obtained from recording instruments.

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: January Year: 1963
Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°30' N | Long: 49°12' E.

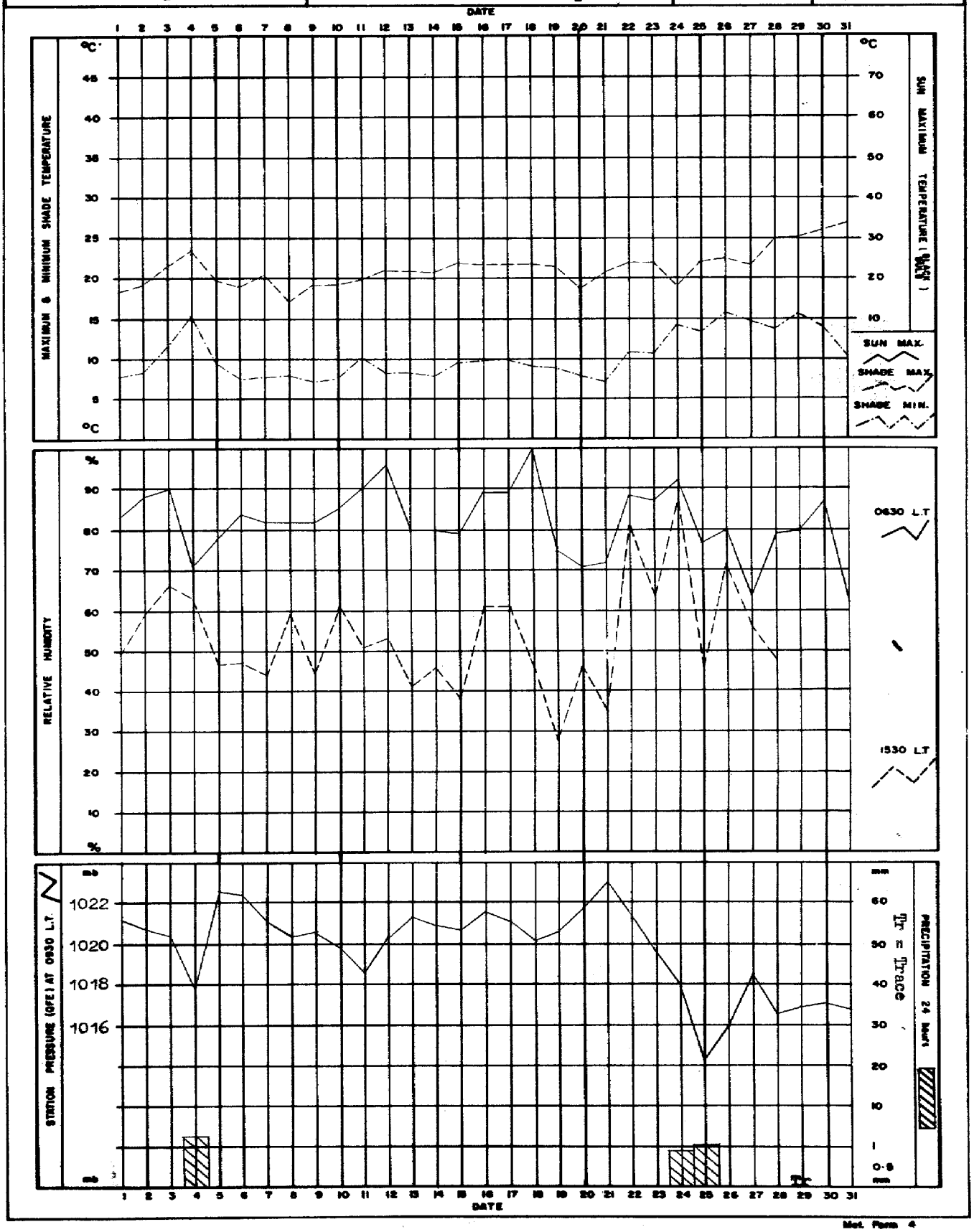
Observations at 1830											Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: 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		Date
15.8	13.2	11.0	13.1	73	1018.9	–	0	0	15			18.2	7.8	7.2		310	16	0	Clear	1
15.4	13.6	12.1	14.1	81	1018.0	–	0	0	14			19.0	8.4	6.9		320	8	0	"	2
18.0	15.5	13.6	15.6	76	1016.2	160	10	5	20			21.5	11.4	9.5		160	20	0	P.Cloudy	3
16.4*		10.9*	13.1*	70*	1015.5*	360*	5	0	15			23.5	15.4	13.1		120	20	2.6	Rain	4
16.0	12.5	9.3	11.7	65	1021.0	300	7	3	20			19.9	9.6	9.1		340	15	0	P.Cloudy	5
16.2	12.2	8.4	11.0	60	1020.3	320	5	4	25			19.0	7.6	6.9		340	16	0	Fair	6
16.8	12.5	8.4	11.1	58	1018.1	340	5	5	20			20.3	7.8	7.2		340	20	0	P.Cloudy	7
15.2	12.2	9.4	11.8	68	1018.0	–	0	1	25			17.2	8.0	7.3		310	13	0	Fair	8
16.2	11.7	7.2	10.2	56	1018.2	360	6	0	35			19.2	7.2	6.7		320	11	0	Clear	9
16.0	13.1	10.6	12.8	71	1016.7	280	2	2	25			19.2	7.6	6.4		310	8	0	Fair	10
17.8*		12.3*	14.4*	71*	1017.0*	–	0					19.9	8.7	7.2		190	7	0	Cloudy	11
18.0	15.0	12.7	14.7	71	1018.2	–	0	0	30			21.0	8.3	7.8		260	14	0	Fog	12
17.3	13.0	9.1	11.5	59	1019.2	340	6	1	30			20.9	8.3	7.9		340	15	0	Clear	13
16.6*		8.8*	11.4*	62*	1019.9*	–	0	2	20			20.7	8.0	7.5		290	7	0	Mist	14
17.0	13.0	9.4	11.8	61	1018.8	–	0	0	30			21.9	9.7	8.2		260	5	0	Fair	15
17.3	15.3	13.8	15.8	80	1019.9	180	4	1	30			21.7	9.9	8.3		210	10	0	"	16
17.3	14.8	12.9	14.8	75	1018.1	180	4	0	30			21.7	10.0	9.7		190	10	0	"	17
19.0	13.9	9.4	11.8	54	1017.1	360	5	0	25			21.8	9.1	8.7		350	9	0	Fog	18
17.0	12.2	7.5	10.4	54	1018.2	340	5	0	4			21.4	8.9	8.4		320	20	0	Mist	19
16.3	12.1	8.0	10.7	58	1020.1	–	0	7	35			18.7	8.0	7.4		300	11	0	P.Cloudy	20
18.0	14.0	10.6	12.8	62	1019.7	200	6	1	30			20.7	7.3	7.1		180	10	0	"	21
17.4	16.8	16.4	18.7	94	1018.3	170	3	5	15			22.0	11.0	10.3		170	14	0	"	22
18.6	15.7	13.5	15.5	73	1015.7	180	5	5	35			22.0	10.7	9.8		230	9	0	"	23
17.0	14.8	13.1	15.1	78	1014.2	140	5	6	30			19.0	14.3	13.5		110	21	0.9	Rain	24
19.4	15.0	12.0	14.0	62	1012.7	180	15	6	30			22.1	13.5	12.2		160	32	1.2	"	25
19.4	17.6	16.4	18.7	83	1015.1	170	13	8	18			22.4	16.0	15.0		170	34	0	Cloudy	26
19.8	16.0	13.2	15.2	66	1017.5	170	5	6	30			21.7	14.9	14.3		170	27	0	"	27
20.2	17.7	16.1	18.3	77	1015.3	180	7	6	35			25.0	13.8	13.3		180	15	0	"	28
					1014.1*	270*	2*					25.1		14.7		300	11	Tr.	Rain	29
					1015.0*	340*	13*					26.0				350	10	0	P.Cloudy	30
22.5	16.0	10.8	13.0	48	1013.5	–	0	7	25			27.0	10.5			320	11	0	"	31
18.2	14.2	11.3	13.5	68	1017.4	–	5	3	25											Av.

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

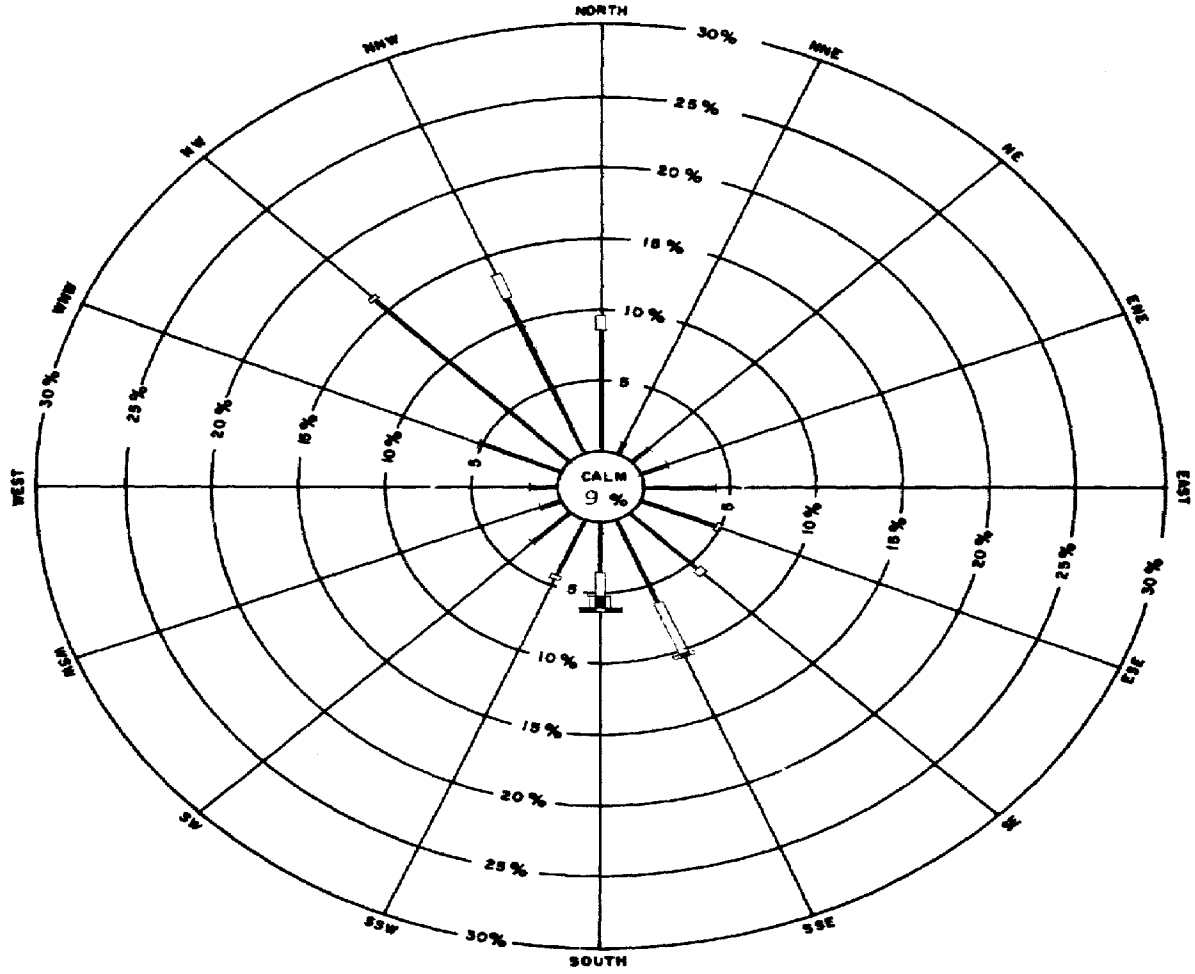
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' N.	Long: 49°12' E



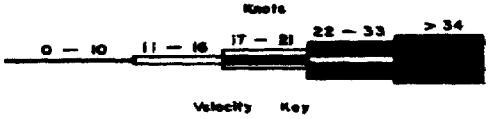
Met. Form 4

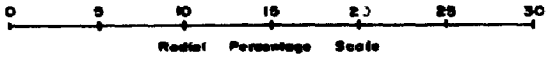
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30° 33' N.	Long: 49° 09' E



Hours in month 744

Hours recorded 744





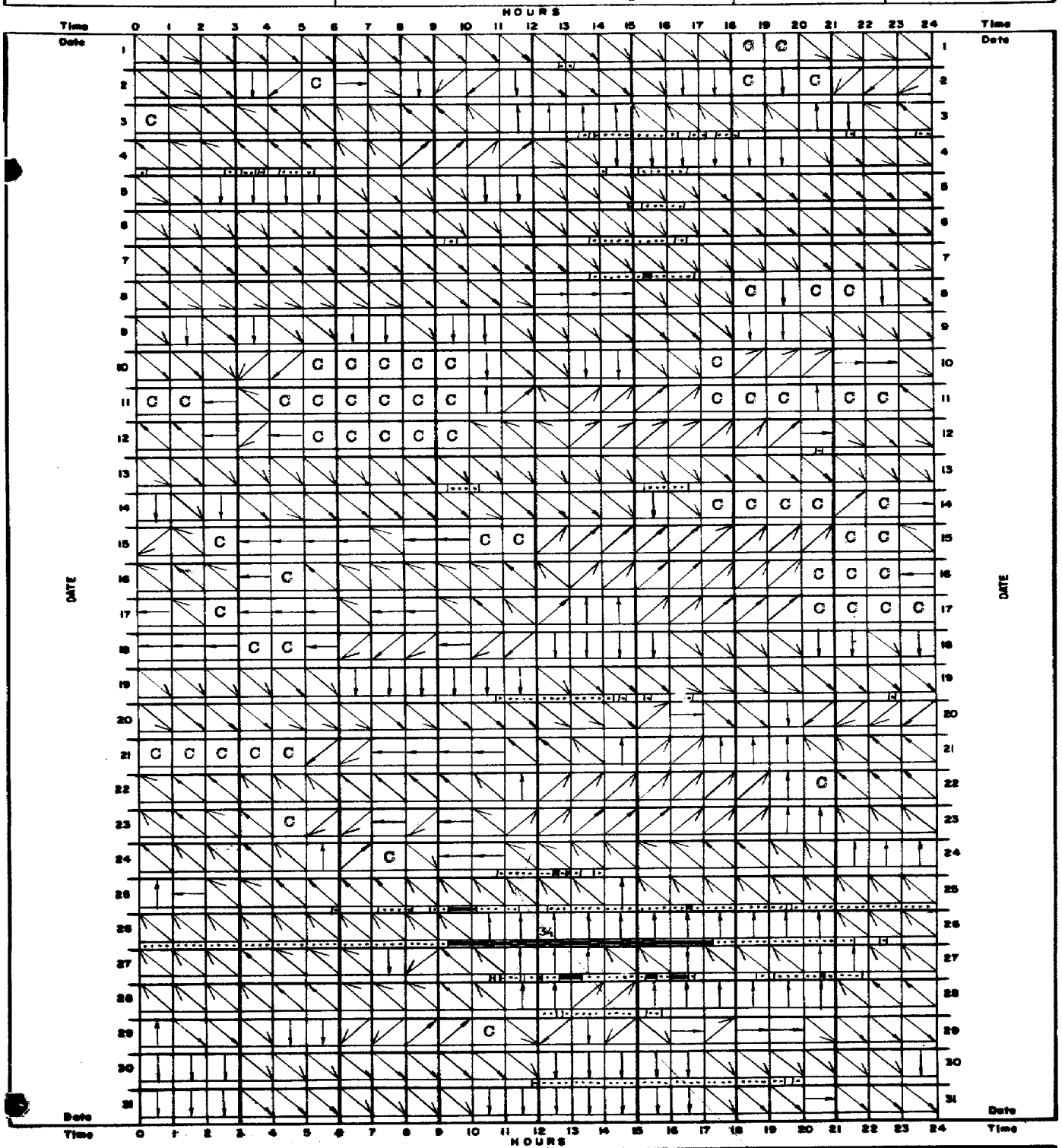
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: January	Year: 1963
	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 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: January Year: 1963

Station Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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	15.0	12.8	10.9	13.1	77	1018.6	330	15	1	20	18.0	13.0	8.3	11.0	53	1019.2	340	15	0	25	1
2	15.2	12.8	10.7	12.9	75	1018.6	360	5	0	20	19.0	13.8	9.2	11.6	53	1018.8	340	7	1	25	2
3	11.8	11.0	10.3	12.5	90	1018.4	-	0	0	20	20.2	15.0	10.7	12.9	55	1019.1	180	5	1	25	3
4	18.0	13.4	9.3	11.7	57	1017.0	090	15	7	20	22.0	18.2	15.7	17.9	68	1015.7	150	15	6	25	4
5	17.0	13.8	11.1	13.2	68	1019.1	340	12	0	20	19.2	15.4	12.5	14.5	65	1020.3	350	8	3	25	5
6	15.4	12.0	8.7	11.3	64	1019.9	350	16	4	30	17.0	13.2	9.8	12.2	63	1020.5	350	15	1	20	6
7	15.6	12.2	8.9	11.5	65	1019.3	350	12	0	20	18.4	13.6	9.4	11.9	56	1018.4	330	10	0	25	7
8	16.0	12.2	8.6	11.2	62	1018.6	360	12	2	20	17.8	14.0	10.8	13.0	64	1018.7	340	8	2	15	8
9	13.6	12.2	10.9	13.1	85	1018.6	060	3	1	10	18.2	13.4	9.1	11.5	55	1018.5	360	3	1	25	9
10	12.0	10.4	8.8	11.4	81	1017.9	-	0	0	30	19.0	14.0	9.6	12.0	54	1018.3	340	5	0	20	10
11	11.4	10.8	10.2	12.5	93	1016.7	-	0	7	20	18.0	15.0	12.7	14.7	72	1018.3	-	0	6	20	11
12	10.2	9.6	9.0	11.5	93	1018.2	-	0	0	25	19.6	15.4	12.1	14.1	62	1019.0	-	0	3	25	12
13	15.2	13.6	12.3	14.3	83	1019.0	360	4	2	20	19.0	15.6	13.0	15.0	68	1019.1	360	8	0	25	13
14	15.6	13.0	10.7	12.9	73	1019.8	350	6	0	20	19.2	14.8	11.2	13.3	60	1020.1	350	6	0	6	14
15	11.0	10.6	10.3	12.5	95	1018.8	-	0	2	10	19.4	15.4	12.2	14.3	64	1019.5	-	0	4	15	15
16	10.8	10.4	10.0	12.3	95	1020.5	-	0	0	20	20.0	16.2	13.3	15.3	65	1020.7	100	4	0	20	16
17	15.6	14.4	13.4	15.4	87	1020.1	120	4	0	20	18.8	15.4	12.8	14.8	68	1019.9	090	5	2	20	17
18	11.6	11.0	10.4	12.6	93	1018.0	-	0	0	15	18.4	15.6	13.5	15.5	73	1018.0	-	0	0	20	18
19	16.4	13.6	11.2	13.3	71	1018.1	330	6	0	20	19.2	15.0	11.6	13.7	61	1018.4	330	15	2	30	19
20	15.0	11.0	6.8	9.9	58	1019.4	330	8	0	4	18.0	13.0	8.3	11.0	53	1020.5	330	2	0	4	20
21	10.8	9.6	8.3	11.0	86	1020.3	-	0	1	15	18.2	14.0	10.3	12.6	60	1021.2	-	0	2	15	21
22	13.6	13.0	12.5	14.5	93	1020.3	-	0	1	20	19.0	14.8	11.4	13.5	61	1020.2	090	6	1	20	22
23	14.0	13.4	12.9	14.9	93	1017.9	-	0	3	15	19.6	17.0	15.2	17.3	76	1017.4	100	4	1	20	23
24	17.6	15.6	14.1	16.1	80	1014.7	100	5	4	25	19.2	17.0	15.4	17.6	79	1016.9	080	6	7	25	24
25	18.0	16.6	15.7	17.8	87	1014.1	180	14	2	25	22.2	17.8	14.8	16.9	63	1014.6	180	10	3	25	25
26	18.6	17.2	16.3	18.6	87	1015.7	130	10	0	30	23.6	19.6	17.1	19.6	67	1016.4	180	18	0	20	26
27	19.0	16.2	14.2	16.1	73	1017.1	120	8	5	20	23.8	19.6	17.0	19.4	66	1017.7	150	2	7	15	27
28	17.0	16.0	15.2	17.4	90	1015.4	-	0	6	15	23.2	17.2	12.8	14.8	52	1016.0	090	4	4	20	28
29	16.0	15.2	14.7	16.7	92	1014.4	-	0	7	20	23.0	18.0	14.6	16.6	59	1014.6	350	4	3	20	29
30	18.6	16.6	15.2	17.3	81	1014.9	360	4	2	15	22.0	18.8	16.8	19.1	72	1015.0	330	12	0	30	30
31	17.0	15.4	14.2	16.2	83	1014.6	360	2	0	30	22.6	18.0	14.9	17.0	62	1014.2	300	4	5	20	31
Av.	14.9	13.1	11.5	13.7	81	1017.9	-	5	2	20	19.8	15.7	12.5	14.7	63	1018.2	-	7	2	21	Av.

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: January Year: 1963

Station: Kharg Island.

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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		
16.0	12.2	8.6	11.2	60	1018.7	340	10	0	20		18.5	14.5	13.6	50.8	330	22	0	Clear	1
16.4	12.8	9.6	12.0	64	1017.9	300	3	0	20		19.6	14.0	12.0	51.8	350	16	0	"	2
19.6	16.6	14.5	16.5	73	1017.4	170	3	1	20		21.2	11.0	7.8	52.6	160	24	0	Fair	3
19.2	13.8	8.9	11.5	52	1016.9	300	10	0	20		23.2	17.0	15.5	52.8	170	30	0.1	P.Cloudy	4
18.4	13.4	8.8	11.4	54	1020.2	350	10	6	20		20.4	15.5	12.8	52.0	350	23	0	"	5
16.8	12.4	8.2	10.9	57	1019.6	340	14	0	20		18.5	15.0	14.2	50.2	360	23	0	Fair	6
17.8	13.4	9.4	11.9	58	1018.0	330	10	1	20		19.0	15.0	13.8	50.6	360	21	0	Clear	7
15.6	12.8	10.3	12.5	68	1018.1	–	0	1	20		18.8	15.0	13.8	49.2	360	18	0	Haze	8
15.8	12.2	8.7	11.3	63	1018.0	300	2	0	20		19.0	10.8	7.5	51.8	320	12	0	Mist	9
16.0	12.6	9.4	11.9	65	1016.7	–	0	0	20		19.6	11.5	7.6	53.6	360	7	0	Clear	10
15.8	14.0	12.5	14.5	81	1017.7	–	0	0	20		20.6	10.4	7.0	53.0			0	P.Cloudy	11
18.0	15.0	12.7	14.7	72	1018.5	330	2	0	20		20.4	10.0	6.2	54.0	320	14	0	Fair	12
17.8	13.2	9.1	11.5	56	1019.0	350	8	0	20		20.6	14.6	12.3	51.4	310	19	0	"	13
16.4	13.4	10.8	13.0	70	1019.1	320	2	1	8		19.8	15.0	13.4	52.0	350	18	0	Mist	14
16.0	12.8	9.9	12.2	66	1019.9	–	0	0	20		20.4	9.5	5.7	56.0			0	"	15
17.8	14.8	12.5	14.5	71	1020.1	–	0	0	20		21.0	10.0	6.4	53.0			0	Clear	16
17.0	14.0	11.6	13.6	70	1018.5	–	0	0	20		20.0	12.4	9.4	52.4			0	Fair	17
17.0	14.0	11.6	13.6	70	1017.0	–	0	0	20		20.0	11.0	7.2	53.0	340	9	0	Clear	18
18.0	12.6	7.3	10.3	50	1018.0	330	16	1	20		20.8	15.6	11.9	52.3	330	23	0	Fair	19
16.0	11.0	5.7	9.2	50	1019.9	300	2	5	15		18.8	14.5	14.0	50.6	350	19	0	Haze	20
16.6	13.4	10.6	12.8	67	1020.1	–	0	0	15		20.0	10.6	7.0	51.8	080	9	0	Fair	21
18.6	16.4	14.9	17.0	79	1018.0	–	0	7	20		21.5	12.8	9.8	53.8			0	P.Cloudy	22
17.6	16.0	14.9	16.9	84	1016.5	–	0	3	20		22.4	13.4	9.3	53.0	200	9	0	Mist	23
17.2	15.6	14.4	16.5	84	1017.0	180	6	7	20		22.4	14.4	10.0	44.0	130	17	0	Cloudy	24
20.8	18.4	16.9	19.2	78	1014.3	180	12	5	20		23.4	14.0	11.8	54.0	180	29	0	P.Cloudy	25
21.0	19.2	18.2	20.9	84	1015.8	180	20	1	20		23.8	18.3	15.6	54.0	180	27	0	Fair	26
20.6	18.0	16.3	18.6	77	1018.3	–	0	7	15		25.0	18.5	15.4	58.0	150	20	0	Haze	27
21.8	16.6	12.8	14.8	57	1015.4	–	0	6	20		24.2	16.6	12.8	60.0	110	10	0	Cloudy	28
21.6	16.6	12.9	14.9	58	1013.4	–	0	0	20		25.2	15.6	12.0	53.0	320	16	0	P.Cloudy	29
20.4	17.8	16.1	18.4	76	1014.9	330	7	1	20		22.6	18.3	15.6	53.6	350	17	0	Fair	30
20.0	16.8	14.6	16.6	71	1013.1	300	2	5	20		23.3	15.5	11.4	53.6	350	18	0	P.Cloudy	31
18.7	14.6	11.7	14.0	67	1017.6	–	5	2	19										Av.

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

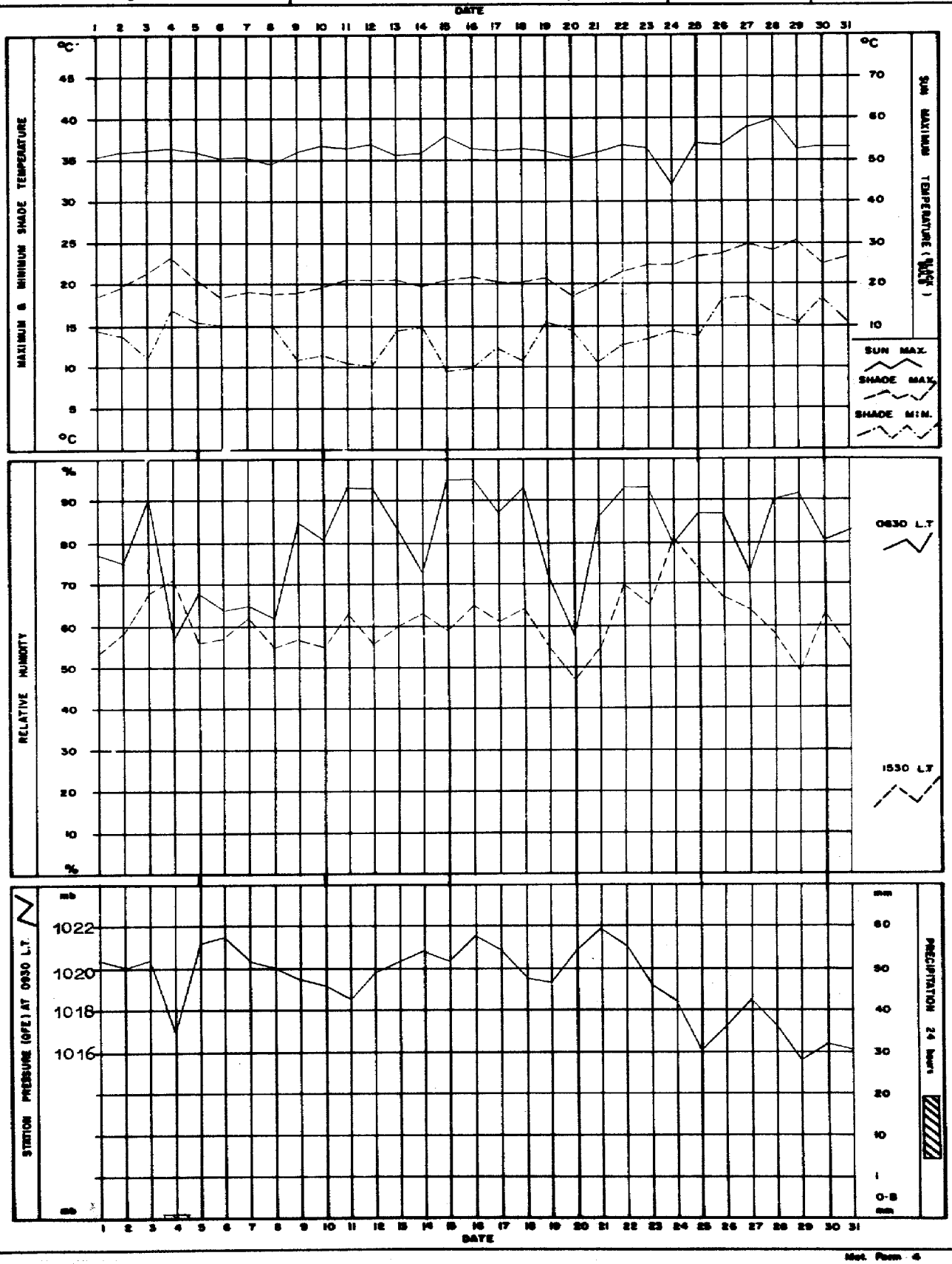
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

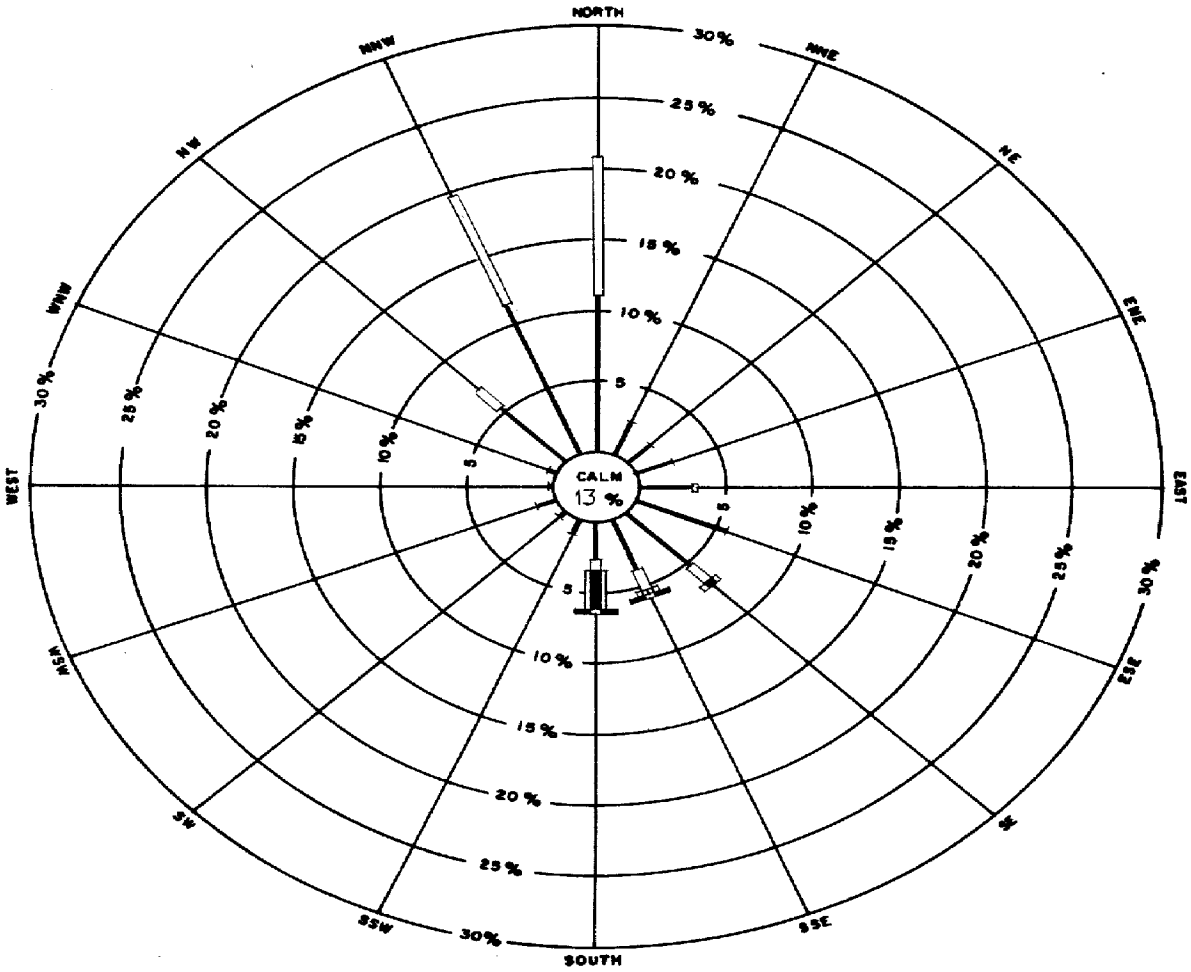
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Kharg Island.	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



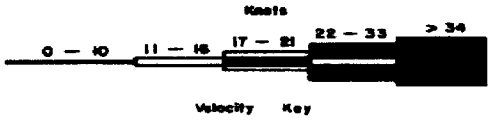
Met. Form 4

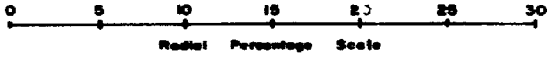
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Kharg Island.	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Hours in month 744

Hours recorded 734





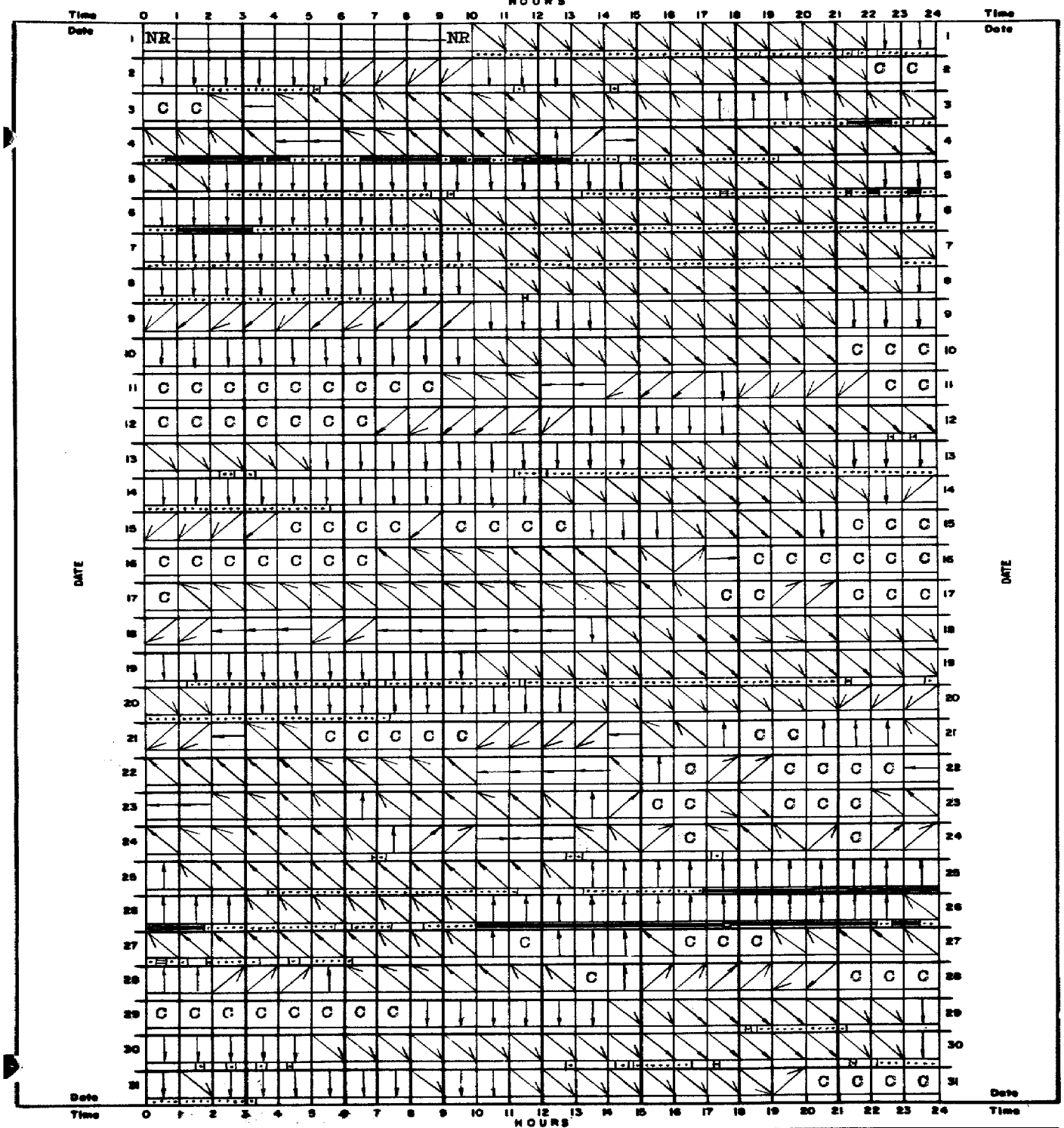
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: January	Year: 1963
	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: January Year: 1963

Station: Shaikh Shuaib.

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	15.0	12.9	11.1	13.2	77	1016.5	300	9	0	35	23.7	15.6	8.7	11.2	38	1016.2	270	13	1	50	1
2	14.0	12.6	11.4	13.5	71	1017.8	280	6	1	35	22.2	16.1	11.4	13.4	50	1017.6	260	4	2	35	2
3	16.3	13.4	11.0	13.1	71	1018.8	050	7	1	30	22.4	16.4	11.8	13.8	51	1019.0	170	3	1	40	3
4	17.0	15.0	13.4	15.4	79	1018.2	260	1	1	35	23.0	17.8	11.4	13.5	48	1018.4	180	1	1	30	4
5	18.2	16.7	15.7	17.8	85	1018.4	–	0	2	30	22.8	15.2	8.7	11.2	40	1018.5	300	13	5	50	5
6	16.4	14.0	12.1	14.1	75	1017.6	300	8	1	35	22.1	16.1	11.4	13.5	51	1017.8	280	11	1	30	6
7	14.7	13.0	11.6	13.6	81	1016.9	290	8	0	40	22.6	14.3	6.5	9.7	35	1016.0	310	5	1	50	7
8	16.5	12.5	8.8	11.3	60	1016.8	360	2	0	40	22.6	14.0	5.6	9.1	33	1017.0	010	1	1	40	8
9	14.2	12.3	10.6	12.8	79	1018.1	280	2	4	30	21.7	14.9	9.0	11.5	44	1017.3	210	1	2	35	9
10	15.6	13.3	11.4	13.4	75	1017.4	360	1	1	40	22.1	15.2	9.4	11.8	44	1017.6	180	2	1	40	10
11	16.5	14.0	12.0	14.0	75	1017.0	360	1	2	40	22.5	16.5	12.0	14.0	51	1016.9	180	1	1	45	11
12	14.7	13.3	12.1	14.1	84	1017.7	280	3	2	35	21.7	17.0	13.6	15.6	60	1018.1	280	10	2	35	12
13	15.4	13.0	10.8	13.0	74	1017.6	270	10	0	35	22.9	15.8	10.0	12.2	44	1017.1	310	13	0	40	13
14	13.5	11.6	9.9	12.2	79	1018.6	270	1	0	40	23.0	17.2	13.1	15.0	53	1018.9	140	9	1	45	14
15	17.0	14.8	13.1	15.1	78	1018.9	280	1	0	30	23.2	16.6	11.6	13.6	48	1019.4	290	7	1	40	15
16	13.6	12.1	10.8	12.9	83	1020.8	280	5	1	35	22.4	16.0	11.0	13.1	48	1020.4	230	6	0	35	16
17	15.8	14.1	12.7	14.7	82	1020.0	290	1	1	30	21.5	16.0	11.8	13.8	44	1019.7	280	4	2	35	17
18	13.6	12.3	11.2	13.3	85	1017.6	280	5	3	30	21.5	15.8	11.3	13.4	52	1017.3	280	9	2	30	18
19	13.1	12.0	11.1	13.2	87	1017.5	310	1	0	35	21.8	16.5	12.6	14.5	55	1017.7	090	1	1	35	19
20	16.6	14.5	12.8	14.8	79	1019.3	010	1	2	35	20.8	16.5	13.3	15.3	63	1019.7	–	0	6	30	20
21	16.5	14.6	13.1	15.1	80	1019.7	050	2	1	35	22.6	17.9	14.8	16.8	61	1020.5	170	2	4	35	21
22	16.3	15.6	15.1	17.1	92	1020.3	300	1	1	35	23.1	17.1	12.7	14.7	51	1018.9	350	1	2	40	22
23	16.4	15.1	14.1	16.1	86	1018.1	290	5	1	30	23.2	16.8	12.0	14.0	49	1016.5	340	3	2	30	23
24	16.4	15.6	15.1	17.1	92	1016.1	280	1	1	35	22.9	18.0	14.7	16.7	60	1016.1	260	8	5	35	24
25	17.1	16.0	15.2	17.5	89	1016.2	310	1	4	25	22.6	19.0	16.8	19.1	70	1016.2	250	5	1	30	25
26	21.0	18.5	16.9	19.3	78	1018.5	100	10	2	35	23.1	20.4	18.9	21.8	77	1018.5	130	12	0	35	26
27	17.8	16.6	15.8	17.9	88	1018.5	010	4	1	30	23.8	19.7	17.3	19.7	67	1018.1	160	2	1	30	27
28	16.5	16.5	16.5	18.8	100	1016.5	280	1	1	10	23.5	21.0	19.7	22.9	79	1016.0	200	1	4	30	28
29	17.5	17.1	16.8	19.2	96	1013.9	280	1	4	30	25.2	20.1	17.0	19.5	62	1017.9	280	8	7	30	29
30	16.7	16.6	16.5	18.9	99	1013.9	300	1	1	1	23.2	21.3	20.3	23.8	84	1013.3	120	2	0	35	30
31	21.2	19.8	19.0	21.9	83	1015.9	110	10	5	25	23.2	19.8	17.8	20.4	72	1014.5	120	6	3	20	31
Av.	16.2	14.5	13.2	14.7	82	1017.7	–	4	1	32	22.7	17.2	12.8	15.2	54	1017.7	–	5	2	36	Av.

* Values obtained from recording instruments.

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: January Year: 1963

Station: Shaikh Shuaib

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

Shade Temperature °C	Wet Bulb Temperature °C	Humidity: Dew Point Temperature °C	Humidity: Vapour Pressure mb	Humidity: Relative Humidity %	Station Pressure (QFE) mb	Wind: Direction deg.	Wind: Velocity kt	Cloudiness /8	Visibility km	Sea Temperature at 0930 °C	Extreme Temperature: Maximum Shade Temperature °C	Extreme Temperature: Minimum Shade Temperature °C	Extreme Temperature: Ground Minimum Temperature °C	Extreme Temperature: Sun Maximum Temperature °C	Max. Wind: Direction deg.	Max. Wind: Velocity kt	24 hour Rainfall (1830-1830) mm	Remarks	Date
19.7	14.7	10.6	12.7	55	1016.7	280	10	0	20	21.2	23.9	14.2	8.6	57.9	290	18	0	Clear	1
17.7	13.6	10.1	12.3	61	1017.7	270	2	1	20	21.6	22.8	13.7	9.5	55.9	320	16	0	Fair	2
18.3	14.7	11.8	13.9	66	1019.0	–	0	0	20	22.6	23.1	15.3	7.8	57.3			0	"	3
20.6	18.2	16.7	19.0	78	1018.2	190	1	1	20	22.9	23.8	15.2	8.2	57.3			0	"	4
19.8	15.3	11.8	13.8	60	1017.8	280	13	7	25	22.2	23.7	17.0	10.5	58.8	290	29	0	P.Cloudy	5
19.4	14.3	9.9	12.2	54	1017.5	280	12	1	20	20.9	23.2	16.0	12.0	57.5	310	21	0	Fair	6
19.0	14.2	10.1	12.4	56	1016.3	280	7	1	30	20.9	24.1	13.9	9.9	58.0	320	20	0	"	7
17.9	13.6	9.8	12.1	59	1017.0	270	4	1	35	21.3	24.2	14.1	8.2	58.8	300	16	0	"	8
18.0	13.5	9.5	11.9	58	1017.4	270	5	2	25	21.9	21.8	14.0	9.1	58.1	330	13	0	P.Cloudy	9
19.4	14.1	9.5	11.9	53	1016.3	250	1	2	30	21.7	22.6	13.2	6.2	58.0	280	10	0	Fair	10
16.5	14.0	12.0	14.0	75	1017.0	360	1	2	40	22.1	22.9	14.4	6.2	58.5	320	11	0	"	11
18.6	14.5	11.2	13.3	62	1018.0	270	9	1	30	22.5	23.3	13.9	8.9	58.1	290	19	0	"	12
18.8	15.2	12.3	14.4	69	1017.3	270	10	0	20	21.5	23.5	14.0	8.5	58.9	280	28	0	Clear	13
19.8	15.7	12.6	14.6	63	1019.1	190	1	2	30	21.5	23.9	12.5	5.2	58.5	150	15	0	Fair	14
18.4	13.5	9.2	11.6	55	1019.5	280	6	3	30	22.5	24.4	14.7	5.2	59.5	310	16	0	"	15
17.6	13.5	9.9	12.2	60	1020.3	280	4	0	20	22.0	22.8	13.3	7.2	59.2	250	15	0	Clear	16
19.1	14.2	10.0	12.3	56	1018.1	260	5	6	25	22.0	22.8	13.5	6.0	61.0	320	23	0	P.Cloudy	17
17.7	12.7	8.0	10.7	53	1016.8	270	8	0	20	21.7	22.7	13.6	7.4	60.3	290	22	0	Fair	18
18.8	15.3	12.6	14.6	67	1017.0	230	1	1	35	22.0	22.2	13.2	5.4	59.0	220	10	0	"	19
18.1	14.8	12.2	14.2	52	1019.6	270	1	1	20	22.8	22.4	15.7	6.1	60.1			Tr.	Rainsh.	20
19.7	17.6	16.2	18.4	80	1019.8	270	1	2	25	22.5	23.3	14.6	6.4	61.4	240	12	0	Fair	21
19.8	16.3	13.7	15.7	68	1018.4	270	4	3	20	22.5	23.9	14.6	6.2	61.4	290	11	0	"	22
19.0	17.1	15.8	18.0	82	1016.2	270	5	4	15	22.3	23.9	15.2	8.7	61.2	250	17	0	"	23
19.1	16.0	13.7	15.7	71	1015.0	270	2	8	20	21.6	23.9	14.5	5.0	62.5	300	10	0	P.Cloudy	24
21.6	18.0	15.7	17.8	69	1017.2	120	9	1	25	22.3	23.1	14.7	6.8	59.4			0	"	25
21.9	19.5	18.1	20.7	79	1018.7	160	2	1	25	22.3	23.8	18.0	8.6	59.1	120	22	0	Fair	26
21.3	19.4	18.3	21.1	83	1019.5	190	1	2	25	22.2	24.7	15.4	7.3	60.2	210	8	0	"	27
20.6	19.4	18.7	21.6	89	1015.7	280	2	3	25	23.0	24.4	16.0	7.1	61.8	130	8	0	Mist	28
21.0	18.8	17.4	20.0	80	1015.9	270	8	2	25	22.5	26.4	12.4	9.6	62.2	300	26	0	P.Cloudy	29
22.3	20.6	19.6	22.9	85	1014.6	140	5	0	20	22.7	24.5	16.2	9.2	59.0			0	Fog	30
21.5	19.3	17.8	20.4	73	1014.6	170	1	5	20	23.1	24.1	18.1	9.5	60.2	130	13	0	P.Cloudy	31
19.4	15.9	13.1	15.4	67	1017.5	–	5	2	24										Av.

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

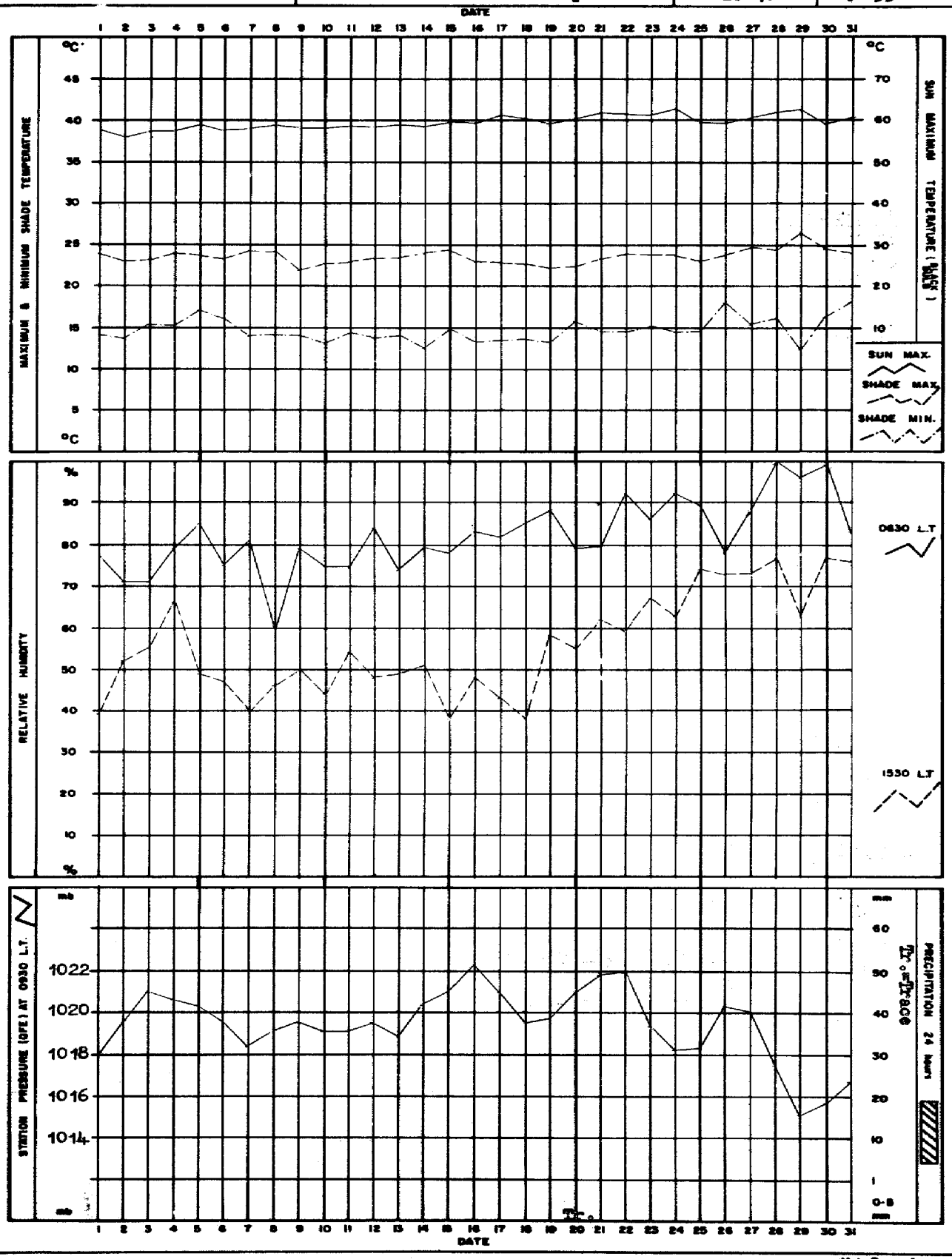
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

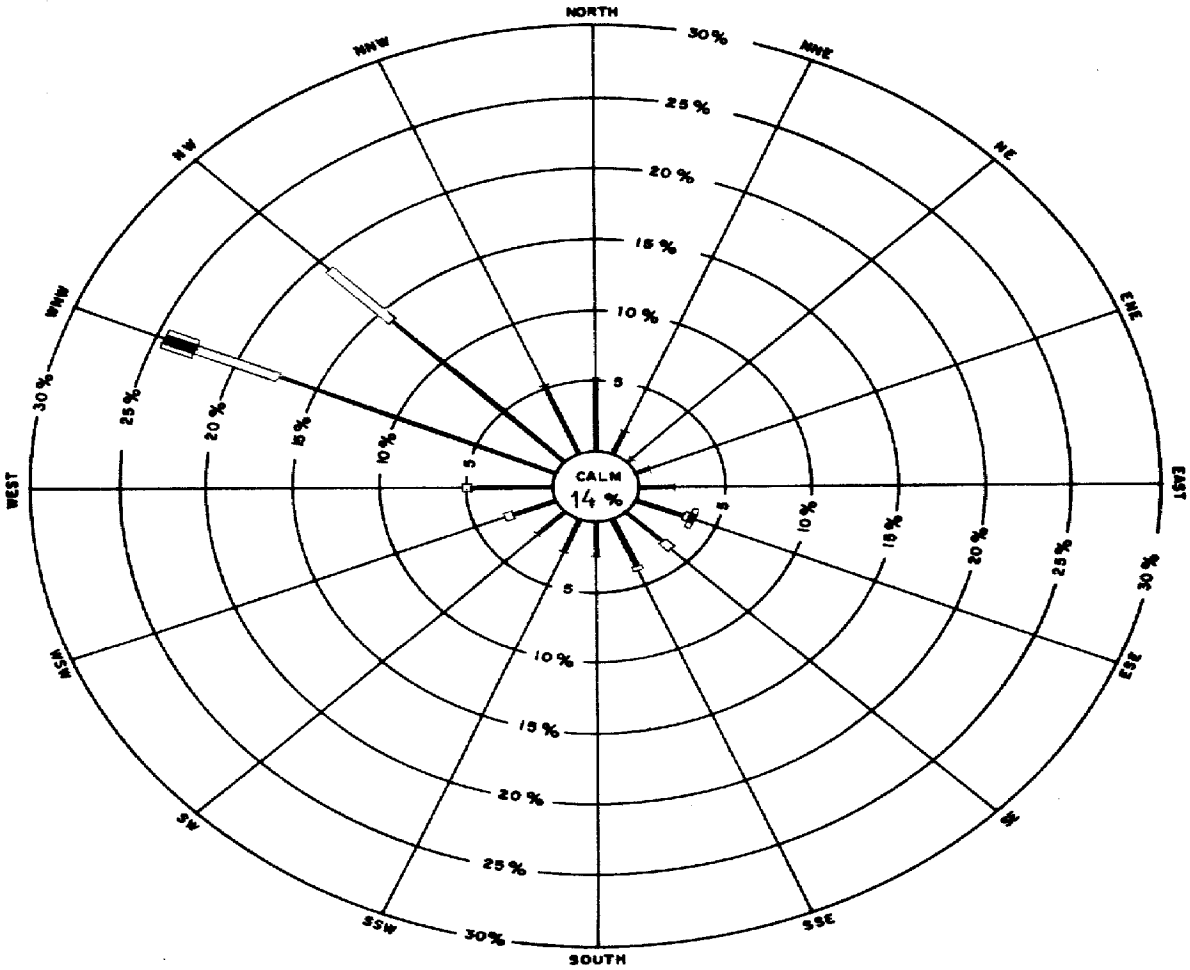
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: January	Year: 1963
		Station: Shaikh Shuaib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



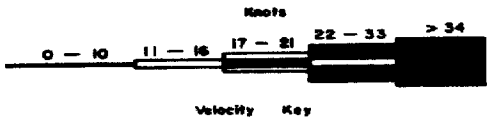
Met. Form 4

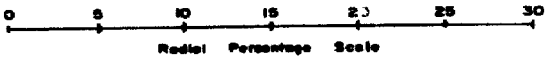
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Shaikh Shuaib.	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 744

Hours recorded 744





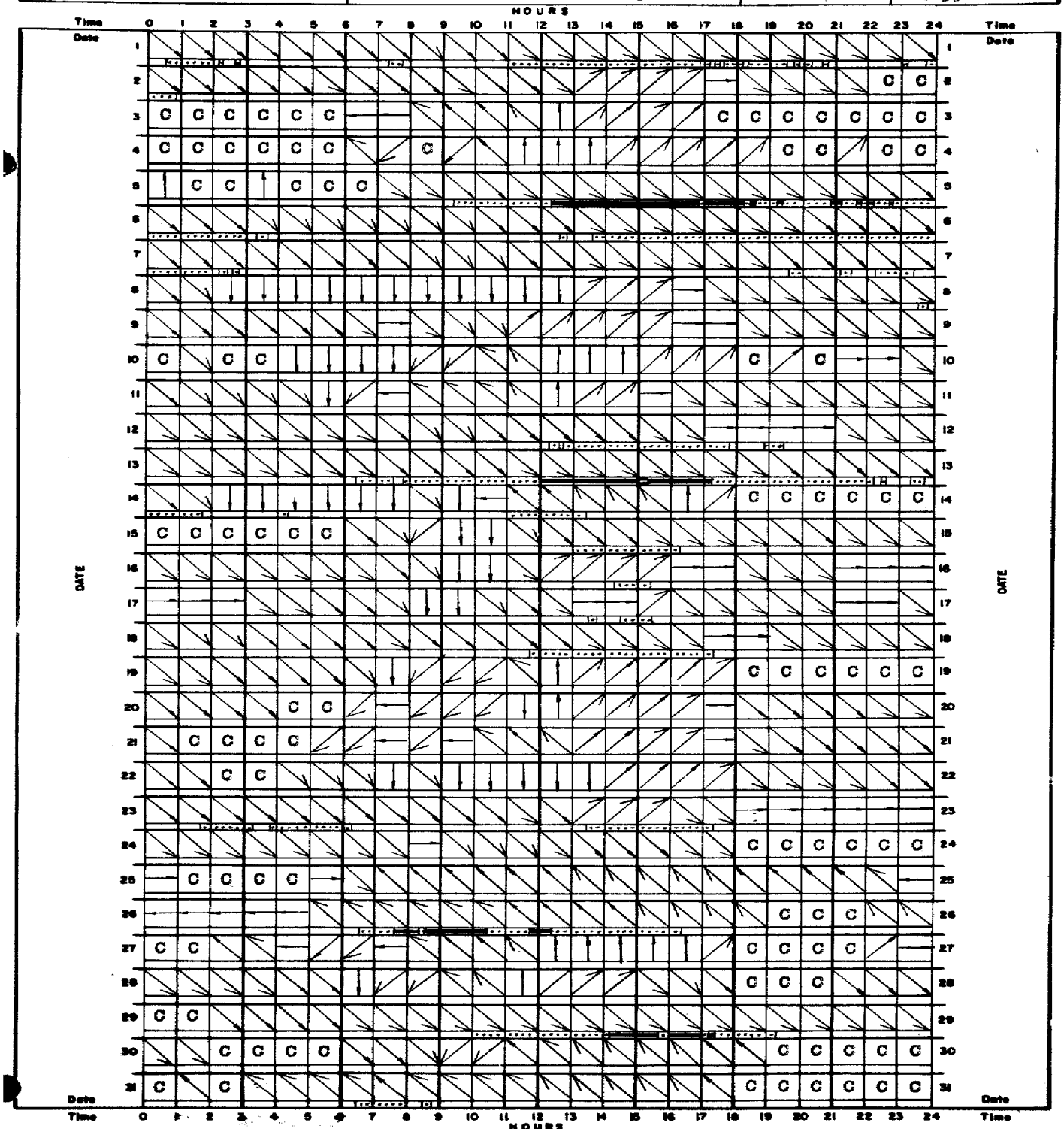
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: January	Year: 1963
	DINES ANEMOGRAPH	Station: Shaikh Shuaib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



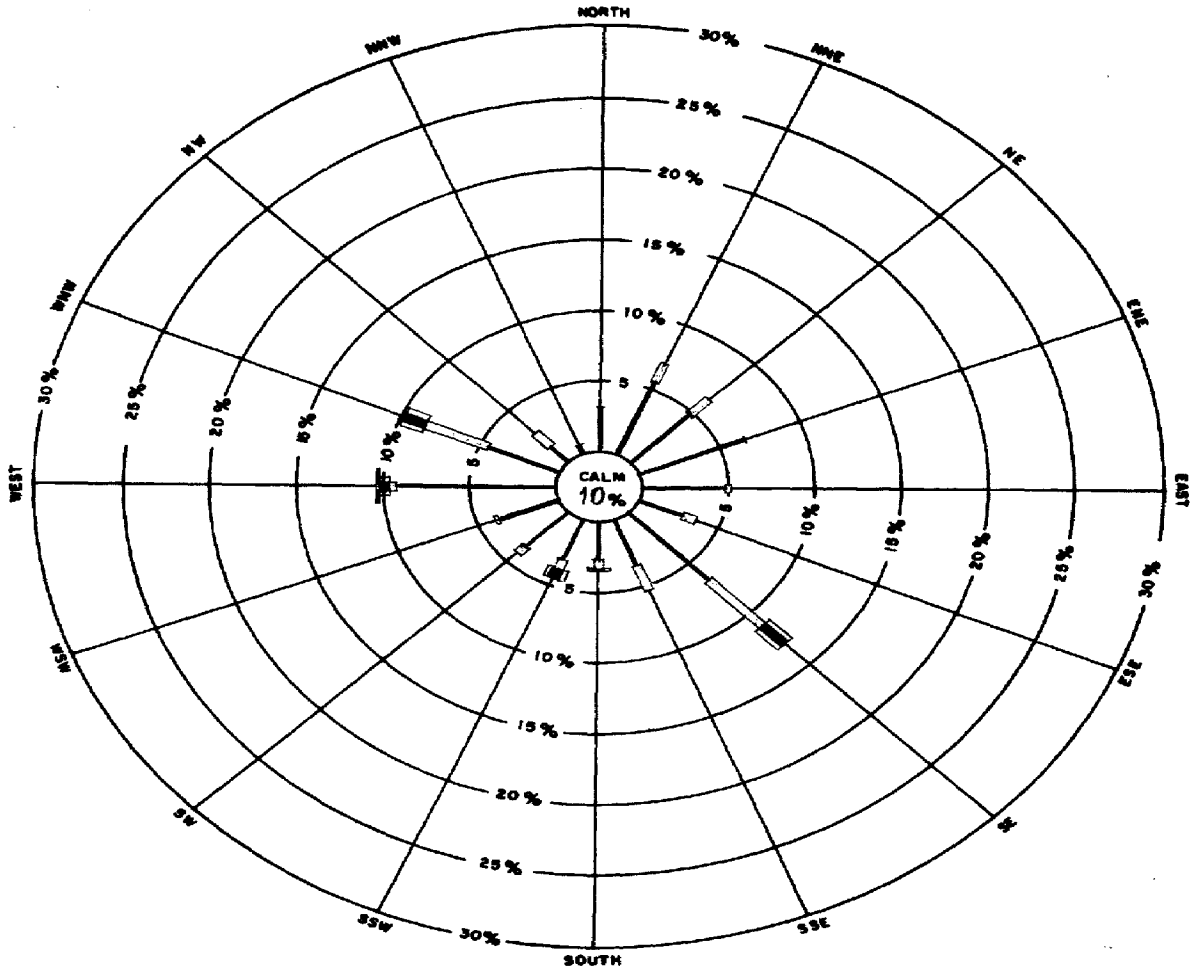
Velocity Key		Direction Key
C	Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
	1 – 10 Knots	
	11 – 16	
	17 – 21	
	22 – 33	
	> 34	

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:

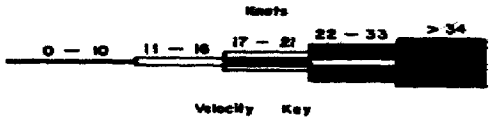
Met. Form 6

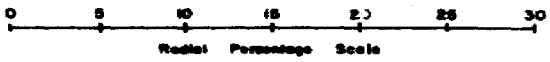
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: January	Year: 1963
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 492





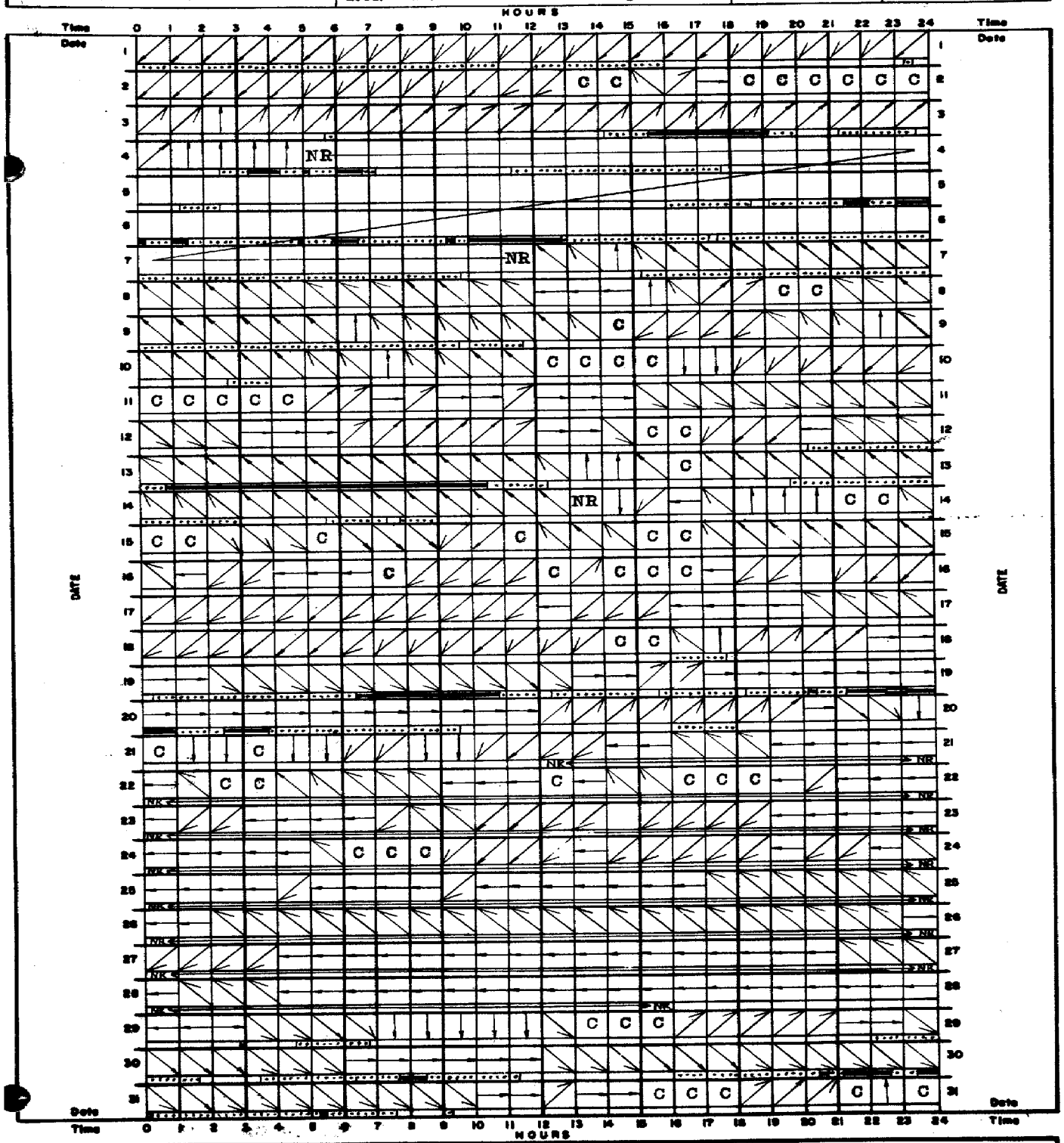
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: January	Year: 1963
	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
C Calm	N, NE, E, SE, S, SW, W, NW
1 – 10 Knots	
11 – 16	
17 – 21	
22 – 33	
> 34	

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

MEAN SEA LEVEL PRESSURE (QFF).

Date	Masjid-i-Sulaiman			Haft Kel			Agha Jari			Gach Saran		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1018.3	1017.4	1019.3	1022.2	1021.2	1021.3	1021.0	1020.8	1020.4	1018.4	1016.9	1017.9
2	1018.9	1019.4	1018.4	1021.3	1021.2	1020.5	1020.3	1020.6	1019.4	1018.5	1017.1	1017.6
3	1018.8	1018.6	1016.2	1020.6	1021.0	1018.7	1019.9	1020.2	1017.9	1018.8	1017.8	1018.0
4	1016.6	1017.8	1017.4	1018.5	1019.1*	1019.8	1017.1	1018.0	1018.0	1017.1	1015.6	1015.6
5	1020.7	1021.0	1021.2	1021.9	1022.4	1022.7	1021.3	1022.0	1022.4	1018.5	1018.2	1019.4
6	1020.3	1020.7	1020.4	1022.0	1022.3	1023.1	1021.9	1022.2	1021.5	1018.8	1017.6	1019.0
7	1020.1	1018.6	1018.4	1022.7	1021.8	1021.3	1021.3	1020.5	1019.5	1018.8	1016.4	1017.3
8	1018.7	1018.3	1018.2	1021.5	1021.7	1021.3	1020.5	1020.7	1019.3	1017.9	1016.6	1017.2
9	1019.3	1019.1	1018.7	1021.2	1022.0	1021.1	1021.1	1020.5	1019.5	1018.5	1016.4	1017.6
10	1018.3	1018.3	1017.0	1019.9	1020.3	1018.9	1019.5	1019.7	1017.9	1017.8	1015.9	1016.3
11	1017.6	1017.7	1018.1	1018.9	1020.3*	1019.7	1018.8	1019.5	1018.9	1016.5	1016.3	1017.3
12	1019.1	1018.8	1019.5	1021.5	1021.0	1020.4	1020.2	1020.4	1019.7	1018.2	1016.8	1018.2
13	1020.0	1019.9	1019.6	1022.5	1021.2	1022.0	1021.3	1021.3	1020.6	1018.7	1017.1	1018.8
14	1020.3	1019.9	1019.4	1021.9	1022.0	1021.5	1021.5	1021.9	1020.4	1019.9	1018.3	1018.8
15	1019.7	1019.3	1019.7	1022.2	1022.3	1021.1	1020.4	1020.8	1020.3	1019.5	1018.0	1019.2
16	1020.9	1020.9	1020.6	1023.3	1022.9	1022.7	1021.7	1022.5	1021.6	1021.2	1019.5	1020.7
17	1020.5	1020.2	1018.7	1023.3	1023.5	1029.6	1022.0	1022.1	1019.3	1020.3	1018.4	1018.5
18	1018.6	1018.9	1017.5	1021.1	1020.8*	1019.6	1019.9	1019.8	1018.2	1018.7	1016.4	1017.2
19	1018.9	1018.3	1018.4	1020.4	1020.8	1020.1	1020.1	1020.3	1019.4	1018.1	1016.1	1017.2
20	1019.4	1019.3	1020.3	1020.8	1022.6	1023.3	1021.1	1021.9	1021.6	1018.5	1017.4	1019.6
21	1021.6	1021.2	1020.4	1023.1	1022.9	1022.2	1022.7	1022.8	1021.2	1020.8	1019.7	1020.6
22	1020.8	1020.1	1018.6	1023.2	1022.0	1021.8	1021.8*	1021.1	1019.8	1020.4	1018.2	1018.0
23	1019.1	1017.3	1016.0	1021.5	1019.3	1018.0	1020.1	1018.5	1017.1	1018.0	1015.1	1015.8
24	1016.3	1015.5	1015.5	1018.8	1018.3	1017.3	1016.7	1017.8	1016.1	1014.6	1015.6	1015.0
25	1015.1	1017.4	1014.0	1016.8	1018.0*	1016.6	1015.8	1015.3	1014.5	1014.1	1012.5	1013.8
26	1015.5	1017.0	1016.2	1017.4	1017.0	1017.3	1016.4	1016.7	1017.5	1015.6	1014.6	1015.8
27	1018.0	1018.4	1017.8	1018.3	1020.1	1020.4	1017.6	1019.8	1019.3	1017.8	1016.3	1018.5
28	1015.5	1016.0	1016.0	1016.9	1017.4	1017.5	1017.3	1016.8	1017.2	1016.3	1014.2	1015.5
29	1014.9	1015.9	1014.3	1016.8	1018.2	1015.7	1016.7	1016.4	1015.0	1014.2	1012.4	1013.0
30	1015.8	1015.6	1016.0	1017.2	1018.0	1018.2	1016.9	1016.5	1016.2	1015.0	1013.3	1014.4
31	1016.2	1014.9	1013.8	1017.2	1015.4	1015.4	1016.4	1015.4	1013.7	1014.3	1012.4	1013.0
Av.	1018.5	1018.4	1017.9	1020.5	1020.6	1020.0	1019.7	1019.8	1018.8	1017.9	1016.4	1017.3

Date	Kut Abdullah			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1020.0	1020.0	1019.3	1020.1	1020.3	1019.3	1019.0	1019.6	1019.1	1016.9	1016.6	1017.1
2	1019.4	1020.0	1018.6	1019.4	1019.9	1018.4	1019.0	1019.2	1018.3	1018.2	1018.0	1018.1
3	1018.7	1018.8	1016.5	1018.8	1019.7	1016.6	1018.8	1019.5	1017.8	1019.2	1019.4	1019.4
4	1017.2*	1017.9*	1017.5	1017.2	1017.1	1015.9*	1017.4	1016.1	1017.3	1018.6	1018.8	1018.6
5	1020.6	1022.6	1021.6	1020.5	1021.7	1021.4	1019.5	1020.7	1020.6	1018.8	1018.9	1018.2
6	1020.8	1021.2	1020.8	1021.1	1021.4	1020.7	1020.3	1020.9	1020.0	1018.0	1018.2	1017.9
7	1020.3	1019.6	1019.2	1020.4	1019.5	1018.5	1019.7	1018.8	1018.4	1017.3	1016.4	1016.7
8	1019.1	1019.4	1018.6	1019.6	1019.2	1018.4	1019.0	1019.1	1018.5	1017.2	1017.4	1017.4
9	1019.8	1019.8	1019.0	1019.9	1019.7	1018.6	1019.0	1018.9	1018.4	1018.5	1017.7	1017.8
10	1019.0	1018.8	1017.2	1018.8	1019.0	1017.1	1018.3	1018.7	1017.1	1017.8	1018.0	1016.7
11	1017.8*	1018.3*	1017.9	1017.2	1018.1	1017.4*	1017.1	1018.7	1018.1	1017.4	1017.3	1017.5
12	1019.5	1019.2	1018.7	1019.1	1019.3	1018.6	1018.6	1019.4	1018.9	1018.1	1018.5	1018.4
13	1020.3	1020.5	1019.7	1020.2	1020.2	1019.6	1019.4	1019.5	1019.4	1018.0	1017.5	1017.7
14	1020.5	1020.0	1019.2	1020.8	1020.1*	1019.9*	1020.2	1020.5	1019.5	1019.0	1019.3	1019.5
15	1019.7	1020.2	1019.0	1019.8	1019.8	1019.2	1019.2	1019.9	1019.4	1019.3	1019.8	1019.9
16	1021.0	1021.0	1020.4	1020.5	1021.0	1020.3	1020.9	1021.1	1020.5	1021.2	1020.8	1020.7
17	1020.6	1020.9	1019.9	1020.0	1020.3	1018.5	1020.5	1020.3	1018.9	1020.4	1020.1	1018.5
18	1019.3*	1019.2*	1017.7	1019.2	1019.1	1017.5	1018.4	1018.4	1017.4	1018.0	1017.7	1017.2
19	1019.7	1019.5	1019.4	1019.5	1019.8	1018.6	1018.5	1018.8	1018.4	1017.9	1018.1	1017.4
20	1019.7	1021.0	1020.7	1020.4	1020.9*	1020.5	1019.8	1020.9	1020.3	1019.7	1020.1	1020.0
21	1021.5	1021.5	1020.0	1021.9	1021.5	1020.1	1020.7	1021.6	1020.5	1020.4	1020.9	1020.2
22	1020.8	1019.6	1018.7	1020.1	1020.3	1018.7	1020.7	1020.6	1018.4	1020.7	1019.3	1018.8
23	1018.5	1018.0	1017.1	1018.4	1017.9	1016.1	1018.3	1017.8	1016.9	1018.5	1016.9	1016.6
24	1017.6	1014.5	1015.0	1016.4	1015.6	1014.6	1015.1	1017.3	1017.4	1016.5	1016.5	1015.4
25	1015.4*	1014.7	1013.2	1013.8*	1014.2	1012.7	1014.5	1015.0	1014.7	1016.6	1018.7	1017.6
26	1015.0	1015.3	1015.8	1014.8	1015.2*	1015.5	1016.1	1016.8	1016.2	1018.9	1018.9	1019.1
27	1018.3	1017.1	1016.4	1016.9	1017.3	1017.9	1017.5	1018.1	1018.7	1018.9	1018.5	1019.9
28	1015.9	1016.4	1015.4	1015.7	1015.9	1015.7	1015.8	1016.4	1015.8	1016.9	1016.4	1016.1
29	1015.6	1015.8	1014.8	1015.7	1015.1	1014.5*	1014.8	1015.0	1013.8	1014.3	1018.3	1016.3
30	1016.3	1015.6	1016.3	1016.1	1015.5	1015.4*	1015.3	1015.4	1015.3	1014.3	1013.7	1015.0
31	1016.4	1015.1	1013.6	1015.9	1015.9	1013.9	1015.0	1014.6	1013.5	1016.3	1014.9	1015.0
Av.	1018.8	1018.7	1018.0	1018.7	1018.7	1017.7	1018.3	1018.6	1018.0	1018.1	1018.1	1017.9

* Values obtained from barograph.

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IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

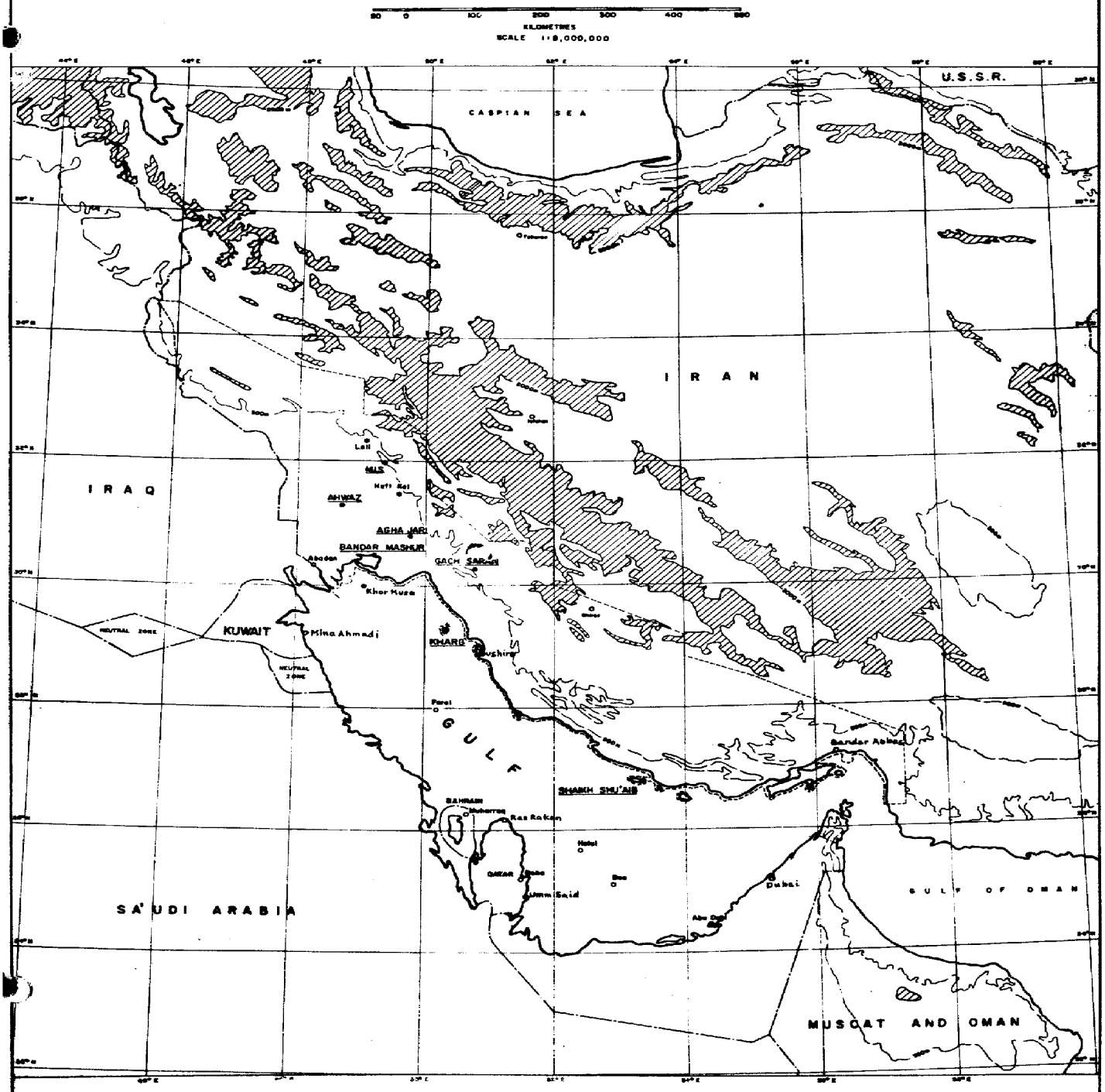
METEOROLOGICAL OBSERVATIONS

FOR

FEBRUARY 1963

Atch 5 42.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



WEATHER BULLETIN

February 1963

CONTENTS.

The following stations are included in this bulletin.

Station	Index Number	Latitude	Longitude	Height AMSI	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	31°59' N	49°16' E	362 m.	4
Haft Kel (Airport) 2)	-	31°27' N	49°31' E	292 m.	9
Agha Jari (Ummidieh airport) 1)	40 833	30°44' N	49°40' E	29 m.	12
Gach Saran (Du Gombadan airport) 1)	40 835	30°20' N	50°50' E	709 m.	17
Kut Abdullah (Airport) 2)	-	31°13' N	48°40' E	15 m.	20
Abadan (IOE&PC airport) 2)	-	30°22' N	48°13' E	3 m.	23
Bandar Mashur (Marine Department) 3)	40 832	30°30' N	49°12' E*	3 m.	26
Kharg Island (Airport) 1)	40 845	29°16' N	50°20' E	3 m.	31
Sheikh Shu'aib (Decca Navigator Stn.) 3)	40 882	26°48' N	53°22' E	2 m.	36
Khor Musa (Instrument platform) 4)	-	30°00' N	49°02' E	6 m.	41

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

*Wind recording at 30°33' N 49°09' E

REMARKS.

See Remarks in the January 1963 bulletin.

Observations have been taken irregularly at Abadan IOE&PC airport, starting on 4th February. Complete observations are going to be carried out as from 1st March.

The units used in this bulletin are those recommended by World Meteorological Organization. For the benefit of those who want to use other units, the necessary conversion factors can be found in the January 1963 bulletin.

WEATHER.

The following table gives the departures from the normal February values of certain meteorological elements. In the last column has been given the rainfall, in percentage of normal, from the beginning of the winter until 28th February. (+ = higher than normal, - = lower than normal).

	Maximum Temperature °C	Minimum Temperature °C	Sun Maximum Temperature °C	Relative Humidity (average of day) %	Rainfall % of normal	Rainfall Oct 1962-Febr 1963 % of normal
Masjid-i-Sulaiman	+3.3	+3.2		-14	84	36
Agha Jari	+4.3	+4.7			156	62
Gach Saran	+3.5	+2.4	+1.0		155	34
Bandar Mashur	+3.3	+5.6			88	44
Kharg Island	+3.3	+3.0	+7.0		50	40

T. Bergquist

T. Bergquist
Meteorologist
IMCOS Ltd.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: February Year: 1963

Local Time: G.M.T. + 3½ hrs

Station	Maximum Temperature: Monthly Average °C	Maximum Temperature: Monthly Highest °C	Maximum Temperature: Date	Minimum Temperature: Monthly Average °C	Minimum Temperature: Monthly Lowest °C	Minimum Temperature: Date	Ground Min. Temperature: Monthly Average °C	Ground Min. Temperature: Monthly Lowest °C	Ground Min. Temperature: Date	Sea Temp.: Monthly Average °C	Sun Maximum Temperature: Monthly Average °C	Sun Maximum Temperature: Monthly Highest °C	Sun Maximum Temperature: 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	Rainfall: Date	Station Pressure (QFE) at 0930: Monthly Average mb	Station Pressure (QFE) at 0930: Monthly Highest mb	Station Pressure (QFE) at 0930: Date	Station Pressure (QFE) at 0930: Monthly Lowest mb	Station Pressure (QFE) at 0930: Date	Maximum Wind Velocity: Velocity kts.	Maximum Wind Velocity: Direction degr.	Maximum Wind Velocity: Date
Masjid-i-Sulaiman	22.6	27.5	24	11.3	8.0	14	9.3	5.5	9					11.0	7.7	54	40	70	68.5	33.1	10	975.3	979.4	5	969.3	10	49	140	25
Haft Kel	23.1	28.0	24	11.9	7.8	7	10.2	5.0	7		55.7	64.0	23	10.2	11.7	49	37	62	83.2	73.9	10	984.9	989.8	5	979.8	11			
Agha Jari	26.0	31.9	28	12.4	5.8	7	9.5	3.6	8		64.1	72.2	28	10.5	10.8	45	30	63	14.3	5.8	10	1015.5	1020.3	5	1010.4	12	44	120	25
Gach Saran	21.5	26.5	28	8.6	3.4	7	7.4	2.5	7		51.9	60.0	28	9.5	9.0	53	33	75	30.3	20.3	10	935.1	938.5	5	930.5	11			
Kut Abdullah	23.9	28.7	23	10.4	3.6	7	8.7	1.7	7		60.4	68.3	23	11.8	7.3	57	37	79	19.5	7.0	10	1015.8	1021.3	5	1010.3	10			
Abadan	21.7	25.0	28	9.1	5.4	10																1017.4	1023.1	5	1011.9	25			
Bandar Mashur	24.0	27.5	27	13.2	8.0	8	12.4	6.8	8					13.1	6.2	60	42	75	10.0	6.7	10	1017.2	1021.9	5	1012.6	10	36	150	24
Kharg Island	23.0	26.8	22	16.3	12.5	8	13.0	8.2	8		54.6	60.8	28	16.1	6.2	69	59	80	10.2	6.6	10	1017.0	1020.5	5	1011.9	12	36	180	25
Sheikh Shu'aib	25.3	28.8	27	16.3	14.4	16				23.0	61.3	64.5	4	18.9	6.5	75	66	88	1.0	1.0	13	1017.0	1019.7	16	1012.0	11	32	290	14
Khor Musa																											42	100	25

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	4	24	0	0	0	0	10	18	0	0	0	0	0	1	0	1	16	9	1	0	0	7	7	3	2	0	2	1	12	11	4.8
Haft Kel	0	5	23	0	0	0	0	8	20	0	0	0	1	0	0	0	0	11	16	0	0	0	4	4	0	3	0	1	1	12	12	4.7
Agha Jari	0	0	24	4	0	0	0	10	17	1	0	0	0	0	0	0	1	8	4	15	0	0	2	5	1	3	1	0	0	12	10	4.5
Gach Saran	0	9	19	0	0	0	0	17	11	0	0	0	0	0	0	0	2	11	12	3	0	0	3	10	5	4	0	1	0	11	11	4.4
Kut Abdullah	0	3	25	0	0	0	0	15	13	0	0	0	0	0	0	0	0	3	22	3	0	0	0	8	2	5	1	0	0	8	16	3.6
Abadan	0	4	24	0	0	0	0	21	7	0	0	0	0	0	0	0	0	16	11	1	0	0	1									
Bandar Mashur	0	1	27	0	0	0	0	3	25	0	0	0	0	0	0	0	1	2	15	10	0	0	2	6	4	1	1	0	0	10	10	4.2
Kharg Island	0	0	28	0	0	0	0	0	27	1	0	0	0	0	0	0	0	7	20	1	0	0	1	5	3	1	1	0	0	8	12	3.6
Sheikh Shu'aib	0	0	28	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	15	13	0	0	0	1	0	1	0	0	0	6	17	2.8

Met. Form 8

4.

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: February Year: 1963
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Masjid-I-Sulaiman
		Lat: 31°59' N Long: 49°16' 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	16.8	12.5	8.4	11.1	58	972.1	–	0	8	20	20.7	14.0	7.8	10.6	43	971.9	080	15	8	40	1
2	15.2	13.1	11.3	13.4	78	973.9	–	0	8	12	20.4	13.0	5.6	9.1	38	974.2	080	12	7	30	2
3	11.9	9.3	6.4	9.7	70	975.8	300	2	0	30	22.2	13.6	4.9	8.7	33	975.7	260	2	0	40	3
4	11.4	7.5	2.3	7.3	54	976.4	–	0	0	20	22.3	12.6	1.6	6.9	26	976.4	060	10	3	40	4
5	12.8	9.4	5.5	9.1	61	978.8	290	2	8	12	17.1	10.4	2.3	7.3	37	978.6	290	6	7	40	5
6	10.4	7.3	3.4	7.8	62	977.1	110	2	0	20	19.7	12.4	4.7	8.6	37	977.4	300	4	2	25	6
7	9.7	6.6	2.3	7.3	61	975.7	–	0	0	15	20.0	12.2	3.8	8.0	34	975.9	–	0	0	25	7
8	10.1	7.0	2.9	7.6	61	976.4	–	0	8	12	22.1	13.0	3.3	7.8	29	976.7	210	6	8	16	8
9	11.0	6.7	0.6	6.4	59	975.7	–	0	3	15	20.5	12.2	3.1	7.7	32	974.8	–	0	6	20	9
10	13.8	13.2	12.7	14.7	93	969.2	–	0	8	8	16.4	15.7	15.3	17.3	93	968.8	170	16	8	1	10
11	11.8	9.7	7.5	10.4	75	970.3	–	0	4	15	18.6	14.1	10.2	12.5	58	969.9	150	4	8	20	11
12	11.2	9.4	7.4	10.4	78	971.6	350	6	8	5	12.4	10.5	8.6	11.2	78	970.3	050	15	7	50	12
13	10.0	9.4	8.7	11.3	92	972.3	–	0	6	15	16.0	13.5	11.4	13.5	74	973.3	–	0	7	20	13
14	9.5	8.6	7.6	10.5	88	974.0	–	0	0	15	16.0	12.5	9.3	11.7	64	975.3	300	3	1	20	14
15	9.8	9.7	9.6	12.0	99	976.4	–	0	0	25	18.0	14.0	10.6	12.8	62	976.0	270	4	0	30	15
16	11.0	10.2	9.4	11.8	90	976.1	–	0	1	14	19.6	14.1	9.2	11.7	51	977.1	180	3	3	16	16
17	11.4	10.8	10.2	12.5	93	976.5	–	0	5	15	22.3	14.5	7.3	10.3	38	975.7	200	4	2	15	17
18	12.8	10.5	8.2	10.9	74	975.7	–	0	0	18	22.2	15.1	9.0	11.5	43	976.2	–	0	0	16	18
19	11.8	10.2	8.6	11.2	81	975.6	–	0	0	15	21.7	14.8	8.8	11.4	44	975.9	190	4	1	20	19
20	12.5	10.0	7.3	10.3	71	974.0	–	0	2	18	21.6	13.6	5.7	9.2	36	974.7	180	2	3	18	20
21	14.0	10.6	7.1	10.1	63	974.9	070	15	8	15	20.5	14.7	9.8	12.2	51	975.6	120	8	3	40	21
22	16.1	11.8	7.6	10.4	57	975.1	030	3	0	12	23.8	13.4	2.1	7.1	24	974.7	080	16	0	20	22
23	19.5	13.0	6.6	9.8	43	972.4	100	15	8	15	24.1	15.5	8.0	10.7	36	971.3	090	10	5	50	23
24	16.9	11.5	5.8	9.3	48	971.7	270	3	7	16	25.3	15.6	7.0	10.0	31	972.8	180	5	7	16	24
25	20.5	14.6	9.5	11.9	49	973.0	100	20	8	20	22.0	14.0	6.4	9.6	36	971.6	090	25	8	20	25
26	15.9	14.2	12.8	14.8	82	973.9	–	0	8	10	18.9	14.5	10.8	13.0	59	975.0	270	3	8	15	26
27	13.8	10.5	7.1	10.1	64	974.3	–	0	8	10	21.8	13.1	4.0	8.2	31	975.1	030	15	8	20	27
28	18.3	14.2	10.8	13.0	62	972.4	080	4	8	20	22.9	15.4	9.0	11.6	41	972.2	170	20	8	20	28
29																					29
30																					30
Avg.	13.2	10.4	7.8	10.5	70	974.3	–	3	5	16	20.2	13.6	7.1	10.4	45	974.4	–	7	5	25	Avg.

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: February Year: 1963
Station: Masjid-I-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°16' E.

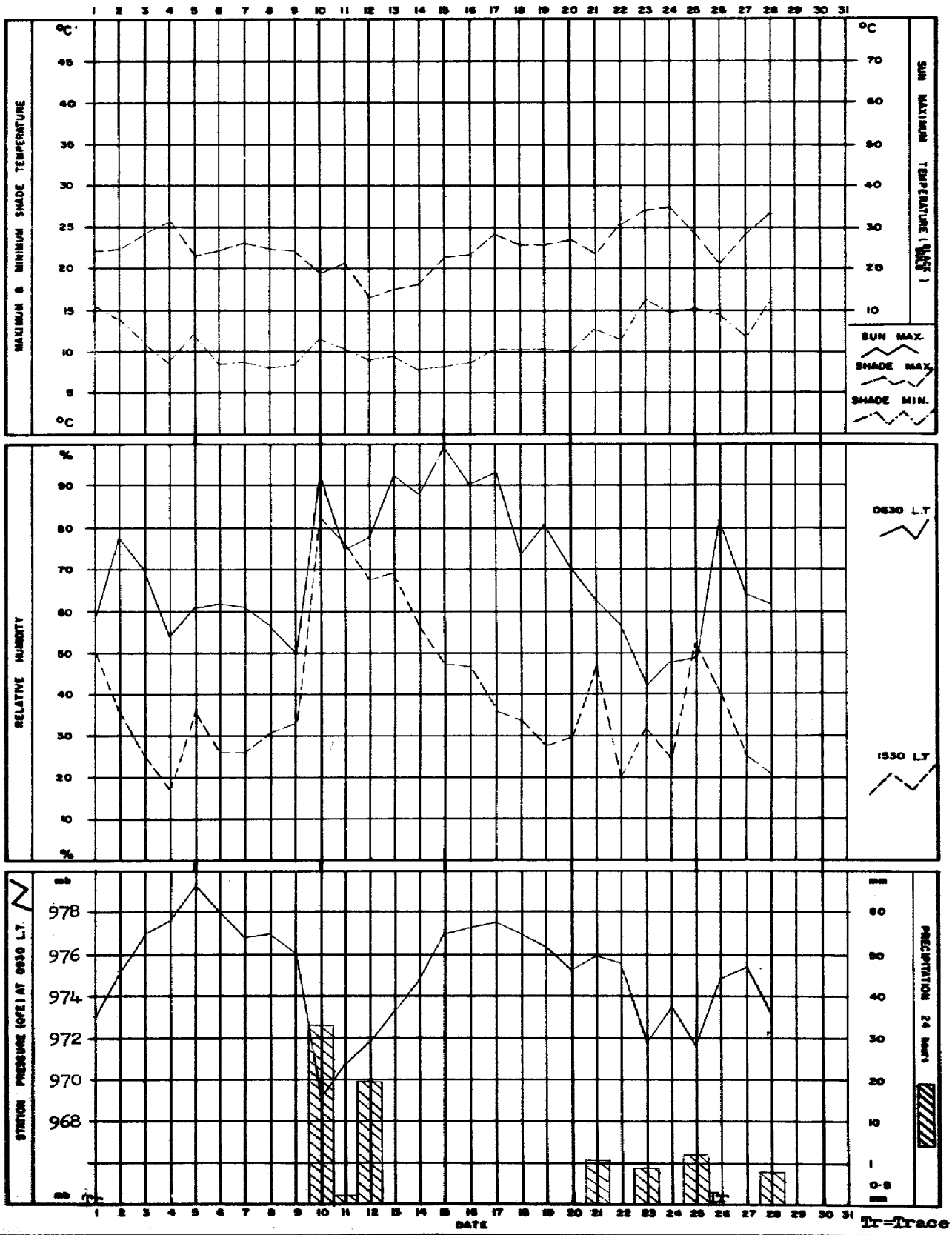
Observations at 1830											Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Sea Temperature at 0930	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		
19.4	14.8	11.1	13.2	58	972.6	–	0	0	20		22.2	15.7	14.0		060	18	Tr.	Th.storm	1
20.2	13.1	6.1	9.5	40	974.9	030	8	7	40		22.5	14.1	13.9		080	20	0	Cloudy	2
20.0	11.1	0.0	6.1	26	974.7	300	2	1	40		24.3	11.0	9.0		320	14	0	Clear	3
19.6	11.0	0.4	6.3	28	975.6	290	4	6	40		25.5	8.8	6.0		080	24	0	P.Cloudy	4
18.1	10.1	-0.3	6.0	29	977.1	–	0	3	30		21.6	11.7	11.3		170	12	0	Cloudy	5
18.0	10.7	1.8	7.1	34	975.9	260	2	0	40		22.1	8.6	5.4		280	15	0	Fair	6
19.5	11.9	3.4	7.9	35	975.4	–	0	0	25		23.1	8.9	4.9		270	12	0	Clear	7
18.9	11.1	1.7	7.0	32	975.6	190	4	8	40		22.5	8.1	7.1				0	Mist	8
19.5	12.9	6.4	9.7	42	971.9	–	0	8	50		22.2	8.6	5.5		240	19	0	Cloudy	9
13.0	12.6	12.2	14.3	95	968.8	090	10	8	10		19.5	11.5	12.6		170	29	33.1	Th.storm	10
16.2	14.3	12.8	14.9	81	969.9	–	0	8	20		20.6	10.1	8.0		090	27	[illegible].2	Cloudy	11
14.5	11.4	8.3	11.0	66	969.6	060	4	7	30		16.2	9.0	8.8		310	32	19.6	Rain	12
14.4	12.8	11.4	13.5	82	972.8	310	5	8	20		17.6	9.4	7.5		310	14	0	Th.storm	13
15.0	12.6	10.5	12.7	74	974.3	270	7	0	20		18.1	8.0	6.1		280	15	0	Fair	14
18.0	14.0	10.6	12.8	62	975.3	230	2	1	30		21.2	8.5	6.2		300	10	0	"	15
19.0	14.2	10.1	12.4	56	975.4	–	0	0	20		21.7	8.8	8.2		200	11	0	Mist	16
21.1	14.3	8.2	10.9	44	974.2	[illegible]	0	4	20		24.2	10.5	9.8		210	9	0	"	17
19.0	13.5	8.4	11.1	50	975.5	300	4	3	30		23.0	10.3	7.8		270	13	0	"	18
19.6	12.5	5.2	8.9	39	974.5	–	0	3	20		23.1	10.4	8.0		210	11	0	"	19
20.0	12.5	4.6	8.5	36	972.0	–	0	8	40		23.5	10.1	7.7		180	14	0	P.Cloudy	20
19.6	15.0	11.3	13.4	59	974.1	–	0	1	10		22.0	12.7	10.8		090	32	1.8	Rain	21
22.5	14.0	5.7	9.2	34	972.1	–	0	8	30		25.5	11.6	9.1		080	18	0	Fair	22
23.3	13.4	2.8	7.5	26	970.4	170	10	8	10		27.1	16.2	13.0		070	38	[illegible].9	Th.storm	23
24.0	14.5	5.3	8.9	30	970.2	140	4	4	8		27.5	14.9	12.6		330	22	0	"	24
20.1	14.1	8.7	11.3	48	970.7	–	0	8	20		24.4	15.2	13.0		140	49	2.1	"	25
18.0	12.5	7.1	10.1	49	974.2	–	0	7	15		20.5	14.7	13.1		120	10	Tr.	Rain	26
20.1	14.2	9.0	11.5	49	972.[illegible]	070	5	8	20		24.3	11.8	10.0		070	24	0	Mist	27
22.0	14.0	6.4	9.6	36	972.9	140	5	8	15		26.8	16.1	13.0		[illegible]20	34	0.8	Th.storm	28
																			29
																			30
18.7	13.0	6.7	10.2	48	973.3	–	3	5	25										[illegible]

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

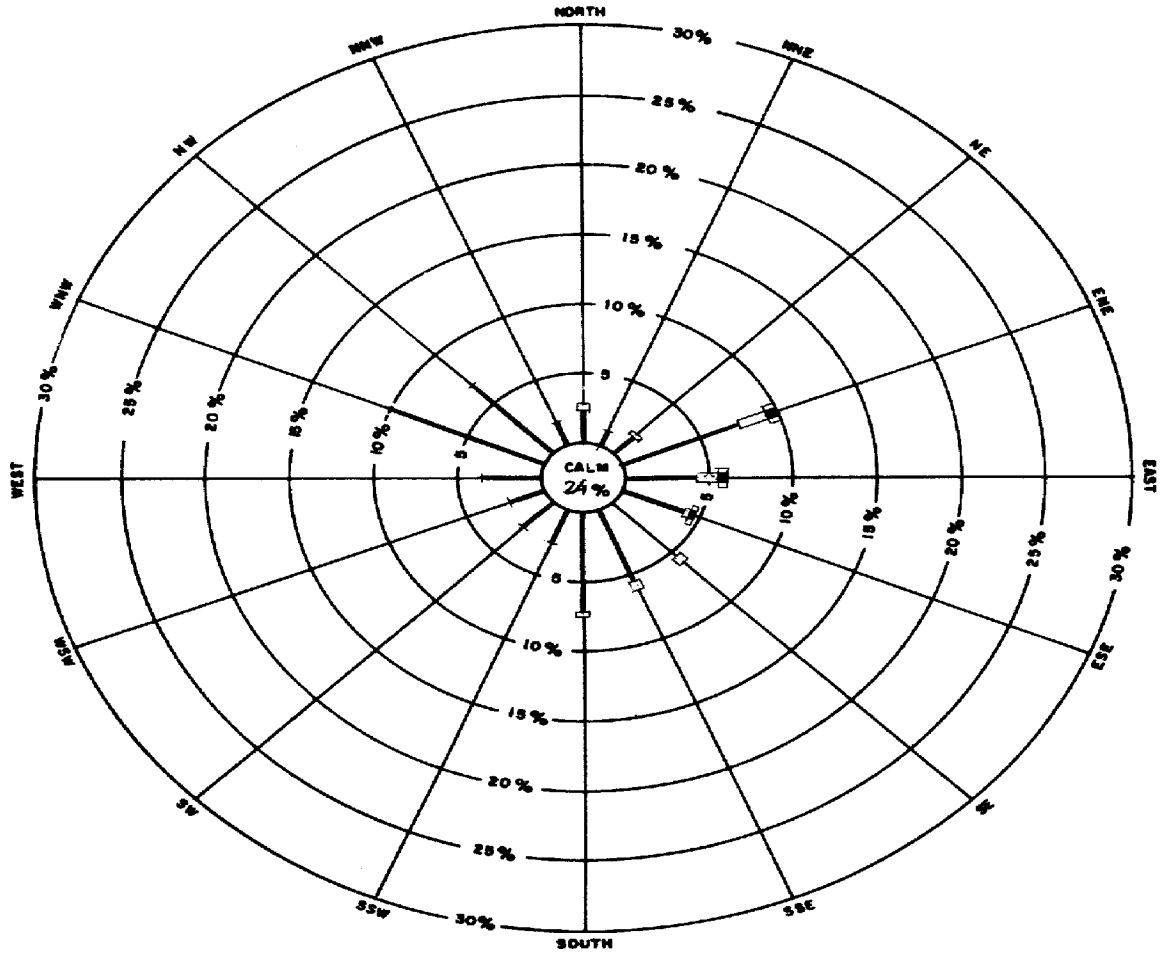
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Tr=Trace

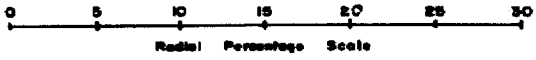
Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	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: 31°59' N.	Long: 49°16' E



Hours in month 672

Hours recorded 672



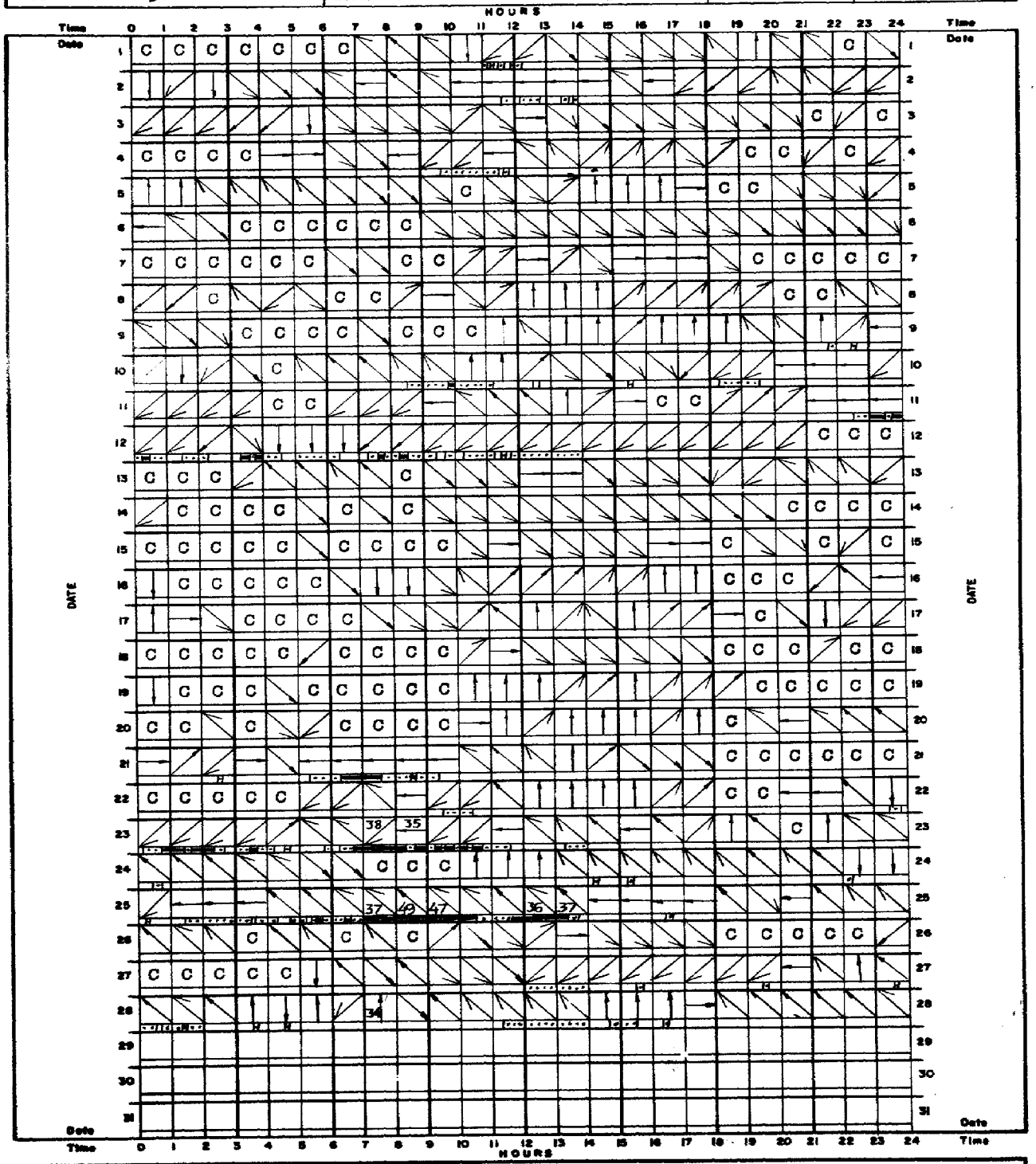
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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 B

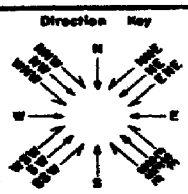
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: February	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



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 b.x indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963

Station: Haft Kel

Ground Level: 292 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°27' N Long: 49°31' 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	20.0	12.4	4.4	8.4	36	982.5	120	4	7	15	25.2*		9.8*	12.2*	38*	982.2*					1
2	19.1	13.1	7.3	10.3	47	983.5	360	4	8	12	24.2	14.0	3.6	7.9	26	984.5	360	10	8	30	2
3	13.0	8.5	2.8	7.5	50	985.1	–	0	0	15	24.2	13.0	-0.1	6.0	20	985.5	330	10	0	40	3
4	11.2	6.1	-1.7	5.4	41	986.8	300	5	0	20	24.0	12.0	-3.8	4.5	15	985.9	190	6	6	40	4
5	13.9	9.0	3.0	7.6	48	988.1	–	0	8	15	18.5	11.9	4.9	8.7	41	989.5	090	8	8	30	5
6	10.5	7.6	3.9	8.1	64	987.9	–	0	0	20	20.0	13.0	0.5	6.4	27	987.2	270	8	4	40	6
7	8.8	5.2	-0.4	6.0	53	985.2	–	0	0	20	20.2	11.2	0.0	6.1	26	985.2	270	4	1	30	7
8	9.2	5.9	1.2	6.7	58	985.5	–	0	4	20	19.2*		10.2*	12.5*	56*	985.9*					8
9	12.6	7.1	-0.9	5.7	39	986.0	–	0	3	15	21.3	12.5	2.8	7.5	30	985.6	120	10	5	30	9
10	14.1	13.4	12.9	14.9	93	980.0	120	10	8	15	12.0	9.1	0.2	6.2	44	979.6	290	25	8	00	10
11	10.3	9.4	8.4	11.1	89	981.1	–	0	4	20	20.0	15.0	10.9	13.1	56	979.2	180	8	4	30	11
12	13.0	11.0	9.0	11.5	77	981.0	290	20	8	15	15.0	11.2	7.3	10.3	60	979.3	020	8	8	15	12
13	10.2	9.2	8.2	10.9	88	981.6	–	0	1	15	17.2	13.5	10.3	12.6	64	983.9	250	8	5	30	13
14	10.4	9.1	7.7	10.6	84	984.2	–	0	0	12	16.3	13.0	10.1	12.4	67	984.5	280	4	1	20	14
15	9.9	9.0	8.1	10.8	89	985.8	–	0	0	20	19.1*		9.6*	12.0*	54*	985.6*					15
16	10.5	9.5	8.5	11.1	87	987.0	–	0	2	15	20.2*					987.5*					16
17	13.1	10.8	8.4	11.1	74	985.7	–	0	5	20	24.0	15.0	6.8	9.9	33	986.9	250	6	2	30	17
18	11.6	9.1	6.3	6.6	48	985.8	–	0	1	15	21.5	14.0	7.0	10.0	39	985.1	260	5	1	15	18
19	12.2	10.0	7.7	10.5	74	985.8	–	0	0	20	21.2	14.0	7.3	10.3	41	985.1	150	10	1	30	19
20	12.8	9.0	4.6	8.5	57	984.6	110	3	3	15	23.0	14.2	5.7	9.2	33	983.9	150	6	3	30	20
21	14.1	11.2	8.3	11.0	68	985.6	360	12	7	20	22.0	15.0	9.0	11.5	43	985.7	140	8	2	20	21
22	16.0	10.1	3.1	7.6	42	984.5	070	10	0	15	23.9*		8.1*	10.7*	36*	985.5*					22
23	18.2	13.2	8.6	11.2	54	981.2	090	12	8	15	26.0	16.0	7.2	10.2	30	979.9	120	15	6	30	23
24	18.0	12.0	5.8	9.3	45	981.7	–	0	8	12	25.1	15.0	5.3	9.0	28	982.5	180	10	6	20	24
25	20.2	13.9	8.2	10.9	46	984.7	120	35	8	12	25.0	16.0	8.3	11.0	35	981.5	120	30	8	15	25
26	17.0	14.8	13.1	15.1	78	983.6	260	15	8	15	18.6*		13.7*	15.7*	73*	985.4*			8		26
27	15.0	10.5	5.6	9.1	53	984.7	–	0	8	12	24.5	15.5	7.5	10.4	34	984.0	290	8	7	15	27
28	21.2	14.6	8.0	11.4	45	982.3	090	10	8	12	26.5	15.0	3.4	7.9	23	982.5	150	25	8	15	28
29																					29
30																					30
31																					
Av.	13.8	10.2	6.1	9.6	62	984.3	–	5	4	16	21.4	13.6	6.1	9.8	40	984.3	–	11	5	26	Av.

* Values obtained from recording instruments.

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: February Year: 1963

Station: Haft Kel.

Ground Level: 292 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°27' N Long: 49°31' 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		
19.9	14.9	10.8	13.0	56	983.1	–	0	8	10		25.5	18.0	15.0	46.5			0	Haze	1
21.0	14.2	8.1	10.8	43	983.9	060	25	8	15		25.0	15.4	14.0	59.0			0	O-cast	2
18.0	9.5	-2.2	5.1	25	985.4	330	5	0	20		25.0	11.0	9.0	58.0			0	Clear	3
18.2	10.0	-0.8	5.7	27	986.6	–	0	8	20		24.0	9.0	5.5	60.0			0	P.Cloudy	4
17.8	12.5	7.3	10.3	50	987.7	–	0	8	20		19.5	11.5	11.8	53.5			0	O-cast	5
18.0	10.0	-0.5	5.9	29	986.5	260	4	2	20		22.0	9.1	7.0	55.0			0	Fair	6
18.7	11.0	1.8	7.0	32	984.9	250	5	1	20		22.5	7.8	5.0	54.9			0	"	7
17.0	9.5	-0.4	5.9	30	985.5	–	0	8	20		21.2	8.0	7.9	54.0			0	Cloudy	8
19.0	8.9	-7.1	3.4	15	982.8	130	10	8	15		22.5	11.5	7.0	58.5			0		9
14.0	12.2	10.6	12.8	85	978.9	050	12	8	12		18.5	12.0	13.0	49.0			73.9	Th.storm	10
17.0	15.6	14.6	16.6	85	979.4	–	0	8	20		20.5	9.2	8.0	53.0			Tr.	Cloudy	11
15.0	13.0	11.3	13.4	78	978.8	–	0	8	15		17.8	11.2	10.0	39.5			4.9	Th.storm	12
16.0	13.0	10.3	12.6	69	983.1	270	5	3	6		18.9	9.1	7.0	54.7			Tr.	Rain	13
15.0	13.0	11.3	13.4	78	984.6	300	6	1	20		18.8	9.5	7.5	52.0			0	Fair	14
17.5	14.2	11.5	13.6	68	985.0	270	3	1	20		21.0	9.1	6.5	55.0			0	"	15
19.0	14.8	11.4	13.5	61	985.8	–	0	0	20		21.5	10.0	7.1	56.5			0	"	16
20.0	15.0	10.9	13.1	56	984.1	–	0	3	20		24.0	10.0	8.0	56.9			0	P.Cloudy	17
18.2	13.8	10.0	12.3	59	985.0	250	4	2	20		22.5	10.0	8.0	58.0			0	Fair	18
17.5	12.5	7.6	10.5	52	985.6	–	0	3	20		23.0	10.0	8.0	57.0			0	"	19
20.0	13.6	7.6	10.5	45	982.7	–	0	7	20		23.5	10.6	8.5	60.1			0	P.cloudy	20
20.0	15.7	12.4	14.4	61	984.6	–	0	1	10		23.5	12.5	11.0	56.5			3.3	Rain	21
21.0	13.9	7.2	10.2	41	982.8	–	0	4	20		25.0	13.0	11.5	58.5			0	Fair	22
23.1	15.0	7.8	10.6	39	980.5	–	0	8	10		28.0	16.5	11.0	64.0			Tr.	Th.storm	23
25.0	14.6	4.3	8.3	26	981.1	090	10	6	8		28.0	15.0	13.5	59.0			0	Haze	24
24.0	14.0	3.8	8.0	27	979.7	140	12	8	15		27.0	17.5	13.0	60.5			2.0	Th.storm	25
18.0	11.2	3.4	7.9	38	984.7	280	5	6	12		24.0	15.0	13.0	55.0			Tr.	O-cast	26
23.8	15.5	8.3	11.0	37	982.5	–	0	8	15		27.5	12.1	11.5	61.1			0	Cloudy	27
25.0	14.0	2.3	7.3	23	982.5	180	10	8	15		27.9	19.0	18.5	55.0			0	O-cast	28
																			29
																			30
19.2	13.0	6.6	10.3	48	983.5	–	4	5	16										Av.

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

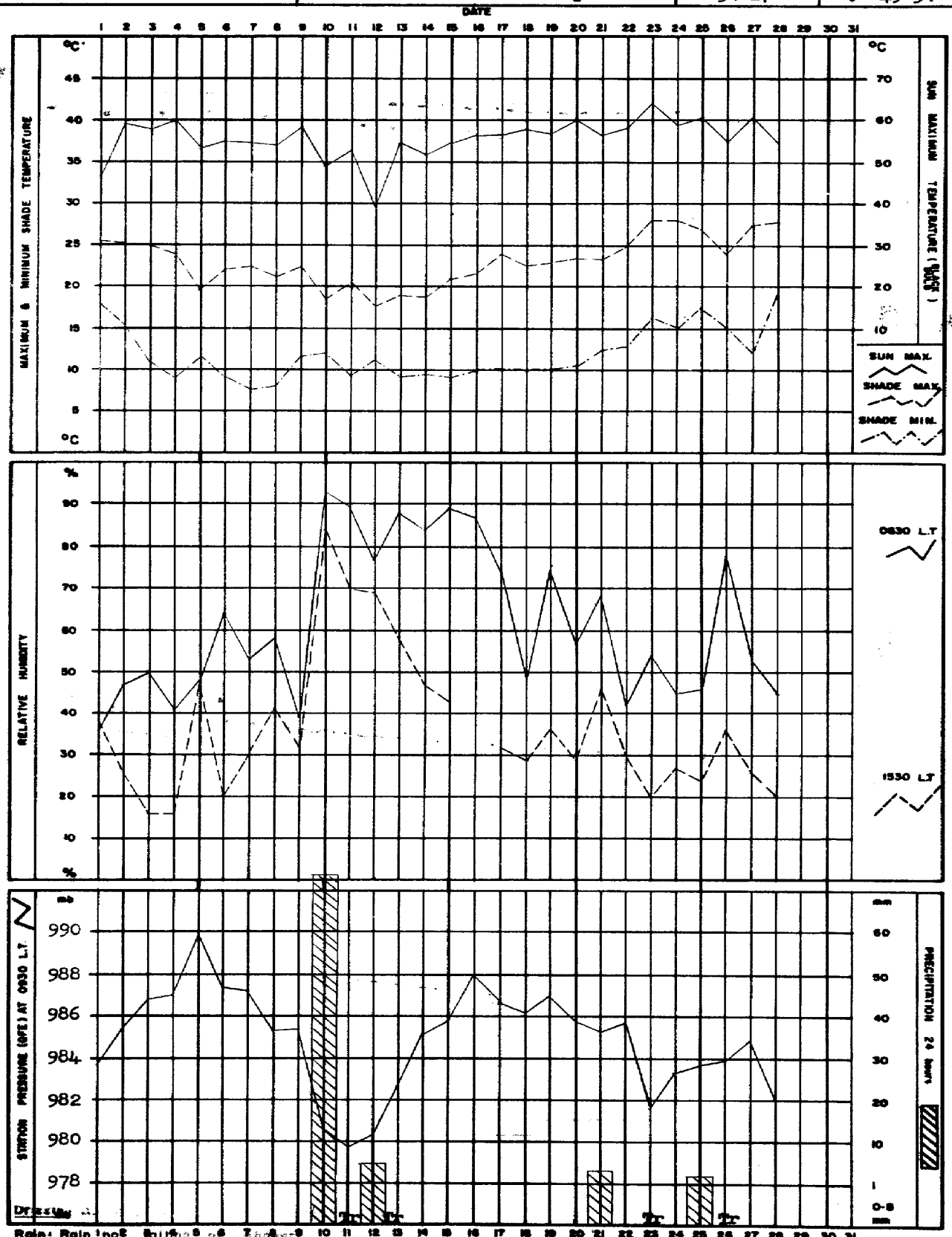
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		Station: Haft Kel	
Ground Level: 292 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°27' N.	Long: 49°31' E



Tr=Trace

Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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	18.1	13.0	8.2	10.9	52	1011.6	130	15	8	30	26.0	16.9	9.6	12.0	36	1010.4	150	15	7	30	1
2	16.3	13.0	10.1	12.4	67	1013.3	–	0	8	30	25.5	15.9	7.5	10.4	32	1013.8	120	8	5	30	2
3	11.4	9.2	6.8	9.9	73	1015.6	–	0	1	30	24.6	16.0	8.7	11.3	36	1015.2	–	0	1	40	3
4	9.3	5.5	-0.2	6.0	51	1016.6	–	0	1	30	24.0	13.1	0.6	6.4	21	1016.5	–	0	7	40	4
5	14.5	9.9	4.6	8.5	51	1018.8	320	9	8	30	19.3	14.4	10.3	12.5	56	1019.2	050	7	8	30	5
6	11.2	8.9	6.3	9.6	72	1017.8	–	0	0	30	22.1	12.5	1.6	6.8	26	1018.6	310	9	5	30	6
7	7.0	3.4	-2.6	5.0	50	1016.6	–	0	0	30	21.5	11.1	-2.8	4.9	19	1016.8	310	2	1	40	7
8	7.6	3.7	-2.8	4.9	47	1017.1	–	0	3	30	21.6	11.2	-2.4	5.0	19	1017.6	270	3	8	40	8
9	16.7	10.0	1.7	6.9	36	1015.4	–	0	6	30	23.1	14.8	7.3	10.3	36	1014.6	120	7	8	40	9
10	16.8	14.6	12.9	14.9	78	1009.7	130	20	8	20	21.7	16.9	13.4	15.4	59	1009.2	130	15	5	40	10
11	11.4	9.8	8.2	10.9	81	1010.6	–	0	5	30	22.1	15.5	10.1	12.4	47	1010.0	190	3	3	40	11
12	15.1	13.4	12.0	14.0	82	1011.3	330	10	8	20	19.3	14.9	11.4	13.5	60	1009.9	–	0	8	30	12
13	11.3	9.7	8.1	10.8	81	1012.5	–	0	0	30	21.4	14.3	7.8	10.6	42	1013.6	290	7	2	15	13
14	10.3	9.0	7.6	10.5	84	1014.3	–	0	0	30	20.0	14.0	8.6	11.2	48	1015.4	330	15	1	30	14
15	9.6	8.0	6.1	9.4	79	1016.8	–	0	0	30	21.3	14.8	9.2	11.7	45	1016.7	310	6	0	30	15
16	10.0	8.4	6.7	9.8	80	1016.9	–	0	1	30	22.2	14.5	7.5	10.4	39	1017.5	–	0	4	30	16
17	11.0	8.3	7.7	10.6	81	1016.9	–	0	1	30	25.0	14.5	4.0	8.2	26	1016.2	220	3	1	40	17
18	11.4	8.3	7.2	10.2	76	1015.9	–	0	0	30	23.0	14.6	6.8	9.9	35	1016.8	–	0	0	30	18
19	11.0	8.5	5.6	9.1	69	1016.2	–	0	0	15	21.5	13.6	5.8	9.3	36	1016.8	250	3	0	6	19
20	10.9	7.1	2.1	7.1	54	1014.3	–	0	2	30	24.0	13.4	1.7	6.9	23	1015.0	–	0	2	30	20
21	16.1	13.5	11.3	13.4	73	1015.1	040	10	8	20	24.2	15.9	9.0	11.5	38	1015.4	140	13	1	20	21
22	11.1	8.9	6.4	9.6	73	1015.0	130	2	0	12	27.0	13.8	-2.0	5.2	15	1014.1	210	5	0	40	22
23	19.1	12.1	4.6	8.5	39	1010.7	090	14	7	20	30.0	14.0	-7.8	3.2	8	1010.1	140	22	7	20	23
24	17.5	11.8	5.8	9.3	47	1010.8	130	8	7	20	28.3	15.5	2.7	7.4	19	1012.3	170	23	8	20	24
25	24.6	15.0	6.1	9.4	30	1013.7	130	12	8	20	27.4	15.8	4.8	8.7	24	1011.7	110	22	8	20	25
26	18.0	15.0	12.7	14.7	71	1012.5	330	5	8	20	23.6	13.4	2.3	7.3	25	1014.5	350	12	8	6	26
27	14.8	10.0	4.4	8.4	50	1014.5	–	0	8	20	27.0	15.9	5.7	9.2	26	1014.3	–	0	8	20	27
28	23.1	14.5	6.4	9.7	34	1011.7	130	16	8	20	30.8	15.5	-1.6	5.4	12	1013.0	180	30	6	30	28
29																					29
30																					30
Av.	13.7	10.1	6.2	9.8	63	1014.4	–	4	4	26	23.8	14.5	5.1	9.2	32	1014.5	–	8	4	28	Av.

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: February Year: 1963

Station: Agha Jari.

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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		
22.4	16.8	12.6	14.6	54	1012.6	-	0	8	8		28.5	16.9	13.8	62.2	180	27	0	Haze	1
20.8	14.6	9.2	11.7	48	1014.0	090	3	7	30		26.3	15.6	13.1	64.4	180	18	0	Cloudy	2
23.1	12.5	-0.3	6.0	21	1014.4	310	7	1	40		27.9	10.4	7.9	65.6	340	20	0	Fair	3
21.6	11.4	-1.7	5.3	21	1016.1	300	8	8	40		27.2	8.4	5.3	70.8	300	13	0	Cloudy	4
20.4	13.1	5.8	9.3	39	1017.5	-	0	3	30		22.6	13.7	11.2	57.2	360	17	Tr.	Rain	5
20.6	10.8	-2.2	5.1	21	1015.9	310	9	2	40		24.7	9.4	6.6	63.4	330	22	0	P.Cloudy	6
21.0	11.0	-2.2	5.1	21	1015.5	290	4	1	40		24.1	5.8	3.9	62.3	280	10	0	Fair	7
19.5	10.5	-1.3	5.5	24	1016.9	230	2	8	30		22.2	7.2	3.6	58.6	240	8	0	Cloudy	8
19.3	14.7	10.9	13.1	59	1013.1	120	15	8	40		25.1	13.0	10.9	66.6	210	26	Tr.	Rain	9
18.2	15.6	13.7	15.7	75	1008.0	360	2	7	30		22.4	15.1	13.7	62.8	110	22	5.8	Th.storm	10
19.4	16.3	14.0	16.0	71	1009.8	-	0	8	30		24.5	10.6	8.4	66.1	310	19	0.8	Cloudy	11
19.2	15.5	12.6	14.6	65	1009.2	320	7	4	30		22.1	14.3	12.2	47.2	100	26	1.2	Rain	12
19.1	14.0	9.5	11.9	54	1013.0	320	10	1	2		23.1	10.0	8.0	60.3	310	12	0	Haze	13
19.3	13.5	8.2	10.9	49	1014.7	320	10	0	30		21.9	9.1	7.8	60.0	320	17	0	Clear	14
21.1	14.9	9.6	12.0	48	1015.8	300	9	0	30		23.8	8.9	6.1	63.9	310	19	0	"	15
21.6	13.6	5.8	9.2	36	1015.7	300	5	1	40		24.3	8.9	6.5	67.7	160	7	0	P.Cloudy	16
23.6	13.9	3.9	8.1	28	1014.1	310	5	2	40		27.1	9.7	7.1	66.7	360	5	0	Fair	17
23.0	15.0	7.9	10.7	38	1015.3	320	7	2	40		26.0	10.0	8.3	64.4	320	13	0	Clear	18
22.5	14.0	5.8	9.2	34	1015.0	-	0	4	30		25.2	8.9	6.4	64.6	300	10	0	Haze	19
23.5	13.7	3.3	7.8	27	1011.8	320	3	6	40		26.6	9.8	5.8	67.2	160	9	0	P.Cloudy	20
23.8	16.5	10.8	13.0	44	1013.6	300	4	0	12		26.0	15.0	10.6	64.5	280	34	2.3	Rain	21
24.7	15.4	7.1	10.1	32	1012.0	200	11	2	40		28.7	10.4	7.6	67.3	150	13	0	Fair	22
24.8	14.0	2.7	7.4	24	1009.4	140	14	5	20		31.0	17.0	11.5	69.4	170	34	Tr.	Rain	23
24.6	16.0	8.7	11.3	37	1009.5	120	17	8	12		29.3	16.7	13.5	63.4	180	33	0	Haze	24
24.9	13.9	2.1	7.1	23	1010.2	170	18	7	20		30.5	19.4	13.7	65.3	120	44	4.2	Th.storm	25
22.5	12.0	-0.9	5.7	21	1013.6	320	1[illegible]	8	8		26.1	17.5	15.4	62.5	330	22	0	Haze	26
25.2	16.8	10.1	12.4	39	1011.8	180	12	8	30		30.5	13.7	11.5	67.7	170	30	0	O-cast	27
26.1	15.0	4.0	8.2	24	1013.0	160	18	8	30		31.9	20.6	16.0	72.2	150	40	0	Cloudy	28
																			29
																			30
22.1	14.0	8.6	11.7	50	1013.9	-	8	4	26										

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

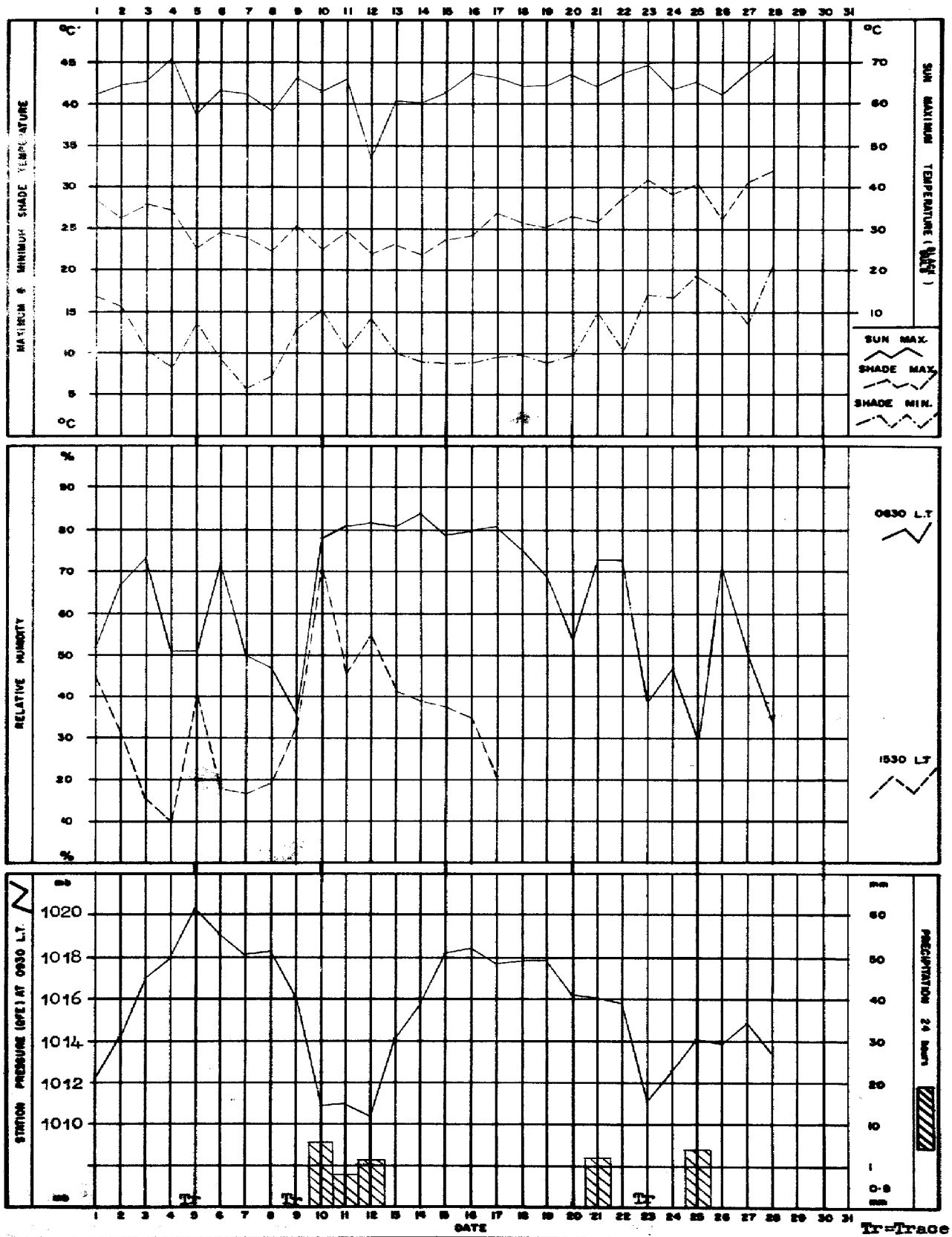
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

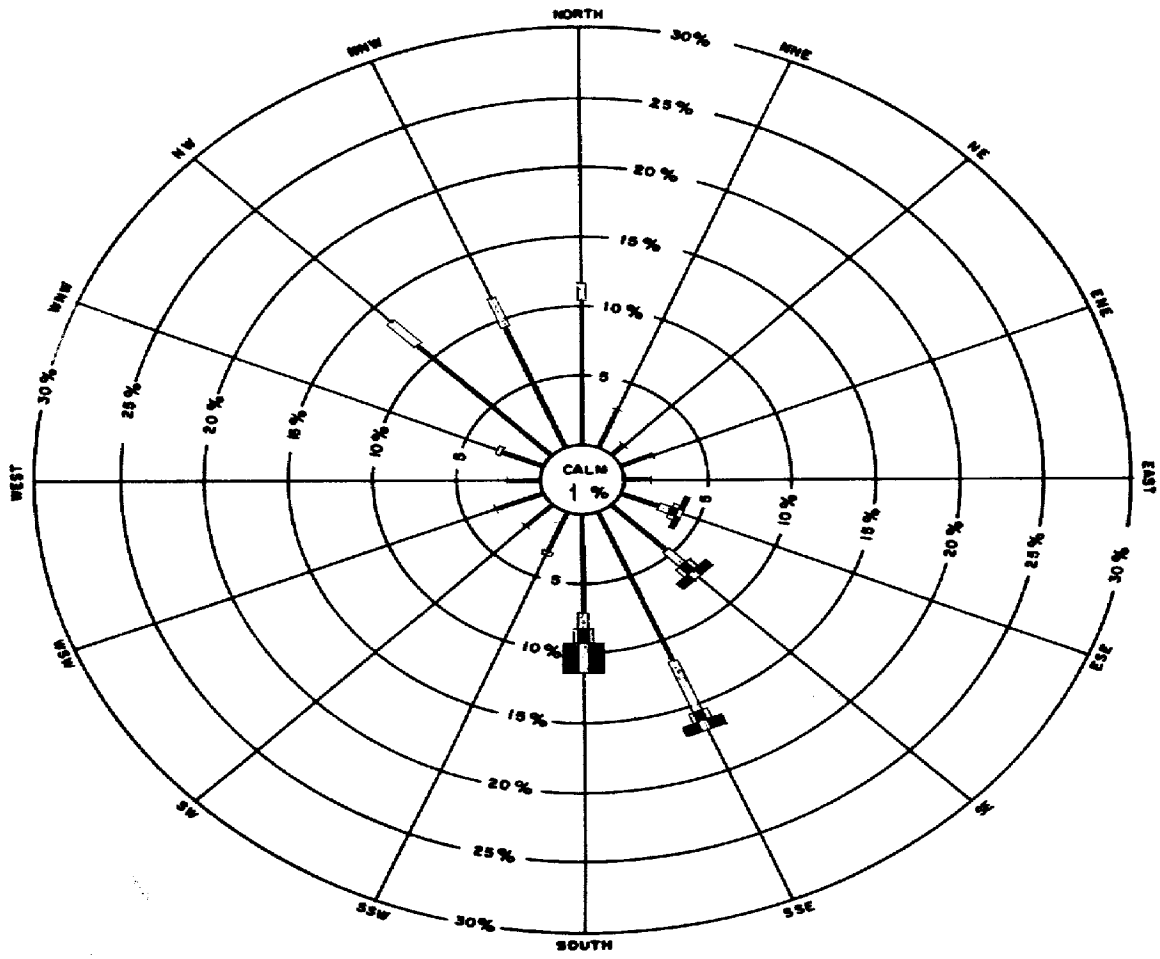
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



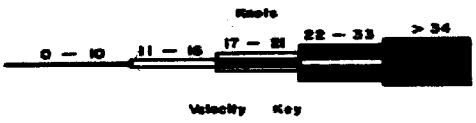
Met. Form 4

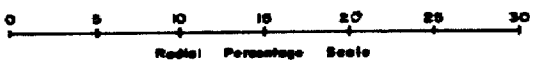
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Hours in month 672

Hours recorded 672





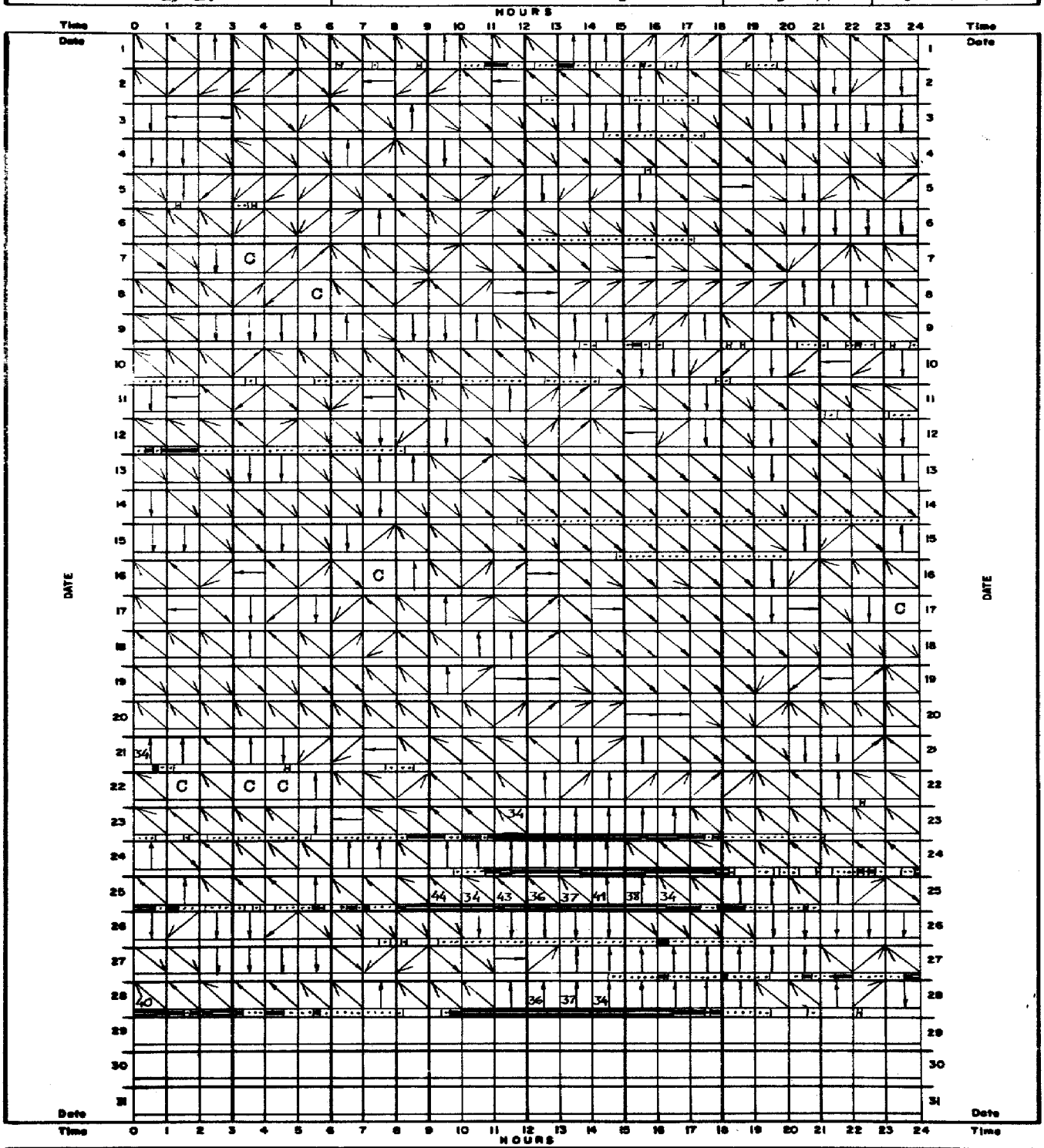
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: February	Year: 1963
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Velocity Key

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

Direction Key

N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW

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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963

Station: Gach Saran.

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	14.5	12.5	10.7	12.9	78	933.4	130	6	8	15	17.8	13.9	10.6	12.8	63	932.8	150	10	8	20	1
2	11.0	10.0	9.0	11.5	88	933.3	–	0	8	20	17.8	13.4	9.5	11.9	59	934.2	150	2	7	20	2
3	8.0	7.4	6.7	9.8	92	934.8	–	0	2	30	19.4	13.2	7.3	10.2	45	934.8	–	0	1	30	3
4	5.6	4.4	2.7	7.4	82	936.1	–	0	1	20	20.5	10.8	−2.0	5.2	22	935.7	090	5	6	30	4
5	10.4	8.9	7.3	10.2	81	936.9	–	0	7	20	16.3	11.5	6.6	9.7	52	937.0	120	7	8	20	5
6	8.9	8.4	7.8	10.6	93	936.0	–	0	2	30	17.3	11.6	5.6	9.1	46	935.8	300	10	6	30	6
7	5.2	3.6	1.1	6.6	75	935.0	–	0	0	30	20.5	10.7	−2.4	5.0	21	934.7	160	8	1	40	7
8	5.7	3.3	−0.6	5.8	64	935.5	–	0	5	40	20.4	11.0	−1.1	5.6	23	935.8	180	10	7	40	8
9	11.5	9.3	6.9	10.0	74	934.2	150	8	7	20	17.2	12.1	7.0	10.0	51	934.6	120	8	7	20	9
10	12.5	11.7	11.1	13.2	91	931.2	090	8	8	12	13.6	11.9	10.3	12.5	80	930.0	090	14	7	20	10
11	7.1	6.8	6.4	9.7	96	929.7	–	0	0	14	18.1	13.1	8.4	11.1	53	929.7	140	12	2	20	11
12	11.3	9.4	7.4	10.3	77	928.7	130	10	7	20	14.8	11.5	8.3	10.9	65	929.9	140	12	8	25	12
13	9.4	8.8	8.2	10.9	93	930.7	–	0	4	10	15.5	11.9	8.4	11.1	63	931.5	270	5	4	12	13
14	5.3	5.1	4.8	8.6	97	932.0	–	0	0	12	16.0	10.0	2.8	7.5	41	932.9	280	8	1	20	14
15	5.0	4.8	4.5	8.5	97	935.0	–	0	0	20	18.3	12.8	7.5	10.4	49	934.6	360	5	0	20	15
16	5.8	5.2	4.4	8.4	91	935.8	–	0	2	20	20.0	11.4	1.1	6.6	28	936.0	160	8	2	30	16
17	6.0	4.9	3.4	7.8	83	935.6	–	0	0	30	20.4	10.6	−2.6	4.9	20	935.6	–	0	1	30	17
18	7.6	5.7	3.1	7.6	73	935.3	–	0	0	30	20.2	11.4	0.8	6.5	27	935.3	–	0	0	20	18
19	6.6	5.9	5.0	8.7	90	935.0	–	0	0	20	20.2	12.3	3.8	8.0	34	934.9	–	0	0	20	19
20	7.6	5.4	2.3	7.2	69	933.5	–	0	7	20	20.4	11.0	−1.0	5.6	23	934.0	130	6	1	20	20
21	12.[illegible]	8.0	2.3	7.2	50	934.1	120	7	8	20	16.6	12.4	8.4	11.0	58	935.0	330	3	7	16	21
22	7.0	6.0	4.7	8.6	86	935.0	–	0	0	20	21.2	10.8	−3.4	4.6	18	934.3	130	7	0	30	22
23	14.4	8.6	1.0	6.5	40	932.3	–	0	7	30	24.0	13.1	0.6	6.4	21	932.9	130	5	7	25	23
24	15.0	11.4	7.8	10.6	62	933.3	120	8	7	20	25.0	13.1	−1.1	5.6	18	934.1	120	10	7	20	24
25	20.0	11.4	1.1	6.6	28	934.1	140	9	8	20	21.6	12.1	0.9	6.5	25	935.4	100	10	8	20	25
26	18.0	11.0	2.8	7.5	37	932.4	150	8	8	12	19.5	13.0	6.7	9.8	43	934.6	120	7	8	14	26
27	11.0	9.4	7.7	10.5	80	934.5	–	0	1	20	24.2	13.5	1.7	6.9	23	934.5	150	14	7	20	27
28	18.3	11.2	3.2	7.7	37	934.5	130	8	7	20	23.6	12.5	−1.1	5.6	19	935.1	090	8	7	20	28
29																					29
30																					30
Av.	10.0	7.8	5.1	9.0	75	933.9	–	3	4	21	19.3	12.0	3.6	8.2	39	934.1	–	7	5	23	Av.

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: February Year: 1963
Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°50' E.

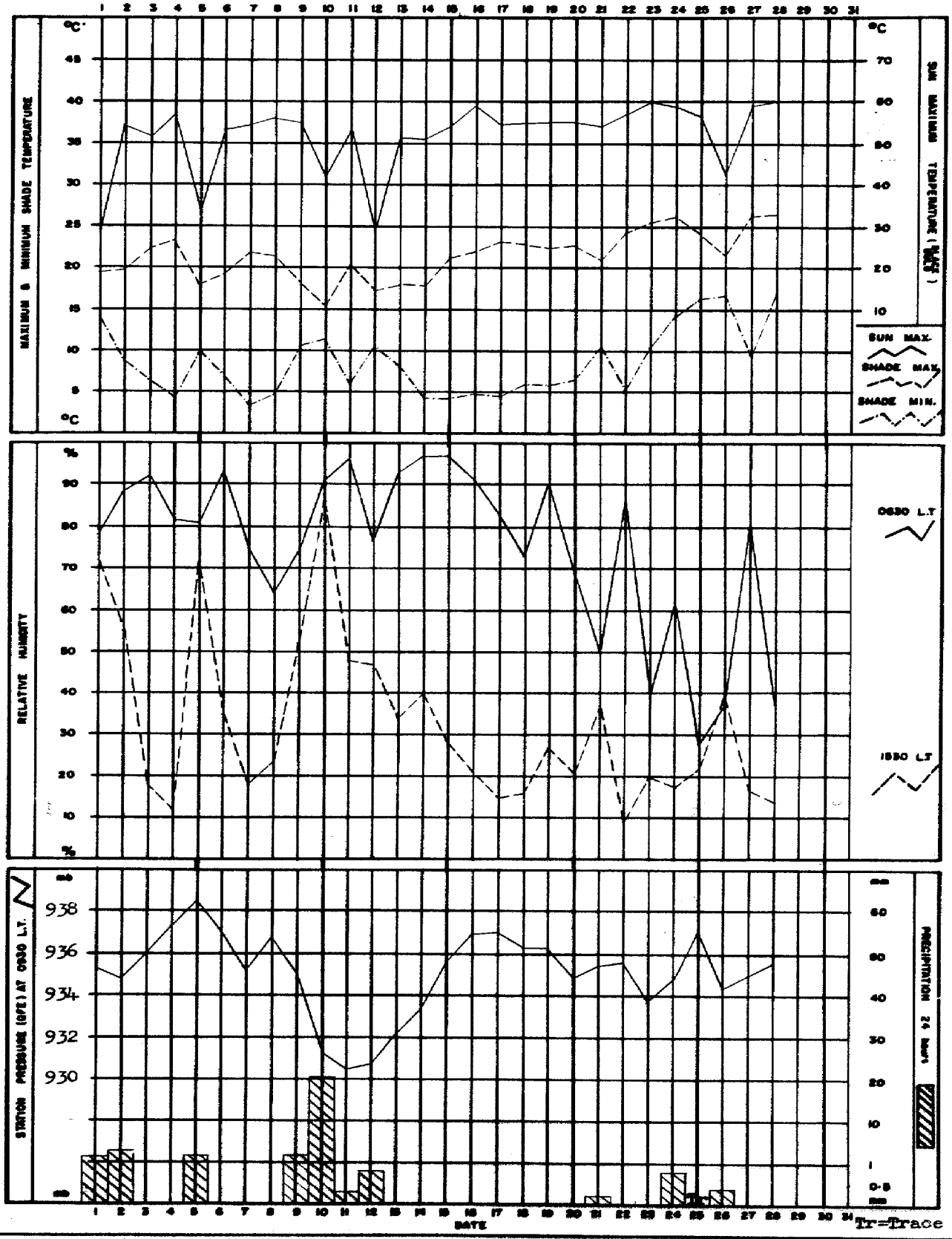
Observations at 1830											Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)		
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	Cloudiness	Visibility	Height of 850 mb AMSL at 1530 L.T.	Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity		Remarks	Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
16.0	12.8	9.9	12.2	67	933.6	120	12	8	20	1436	19.4	14.0	12.4	29.0			1.3	Rain	1
14.0	12.6	11.4	13.5	85	934.7	070	7	7	30	1435	19.7	8.9	8.4	54.6			2.8	"	2
17.5	10.3	1.3	6.7	34	933.9	250	8	0	30	1438	22.3	6.5	5.7	51.9			0	Fair	3
13.0	10.5	1.3	6.7	33	934.8	-	0	5	30	1448	23.2	4.4	3.2	57.0			0	P.Cloudy	4
12.8	12.0	11.3	13.4	91	936.5	130	4	8	20	1454	18.0	10.0	8.5	34.2			1.5	Rain	5
15.6	9.7	2.4	7.4	41	934.9	270	8	3	30	1447	19.1	7.1	5.6	53.0			0	P.Cloudy	6
17.0	8.9	-2.6	4.9	26	934.6	280	8	0	40		21.8	3.4	2.5	54.2			0	Fair	7
16.4	8.9	-1.5	5.4	29	935.5	-	0	8	20	1449	21.3	4.9	3.6	56.0			0	Cloudy	8
14.6	13.1	11.8	13.9	84	933.6	-	0	8	20	1434	18.3	10.5	9.8	55.0			1.9	Th.storm	9
12.6	11.9	11.3	13.4	92	928.2	150	8	7	20	1397	15.6	11.4	11.0	42.2			20.3	"	10
16.3	12.9	9.8	12.2	66	929.3	230	4	7	20	1398	20.1	6.0	5.0	52.9			0.3	P.cloudy	11
14.3	11.8	9.4	11.9	73	929.1	130	8	7	25	1398	17.2	10.6	9.9	28.9			0.8	Rain	12
14.0	9.6	4.5	8.4	53	930.9	270	10	2	10	1409	18.0	8.0	7.0	51.3			0	Mist	13
14.6	10.0	4.8	8.6	52	932.6	270	10	0	20	1419	17.8	4.2	3.0	51.0			0	"	14
16.4	10.0	-2.2	7.2	39	934.6	270	6	0	20	1436	21.2	4.2	2.9	54.0			0	Clear	15
17.4	10.6	2.6	7.3	36	934.8	270	10	3	30	1445	22.0	5.0	3.0	59.2			0	Fair	16
19.7	9.7	-4.9	4.1	18	933.5	270	12	0	30	1438	23.2	4.5	3.1	54.7			0	"	17
18.6	10.6	0.7	6.4	30	934.4	270	10	1	25	1442	23.0	6.0	4.8	55.0			0	Clear	18
18.4	9.3	-3.9	4.4	21	934.2	270	8	3	20	1442	22.4	5.7	4.8	55.0			0	Fair	19
18.3	10.7	1.5	6.8	33	932.3	260	6	4	20	1428	22.8	6.5	5.5	55.2			0	P.Cloudy	20
17.4	12.0	6.5	9.7	49	933.5	-	0	1	16	1439	21.0	10.4	9.6	54.2			0.2	Rain	21
20.0	10.4	-2.6	5.0	21	932.5	-	0	1	30		24.4	5.0	4.1	57.2			0	Clear	22
22.5	12.5	0.9	6.5	24	931.7	160	5	7	20	1429	25.5	10.6	8.8	60.0			0	Cloudy	23
18.4	13.0	7.9	10.7	51	934.1	120	3	7	16	1453	26.1	14.0	12.0	58.9			0.8	Rain	24
21.1	10.5	-4.6	4.2	17	932.6	090	15	7	20	1448	24.2	16.3	13.3	56.7			Tr.	"	25
16.8	12.1	7.5	10.4	54	933.6	140	6	6	14	1450	21.7	16.7	15.5	42.4			0.4	Th.storm	26
22.0	12.7	2.3	7.2	27	933.5	160	6	5	10	1441	26.2	9.6	8.0	58.8			0	Haze	27
22.5	11.1	-4.8	4.1	15	934.1	170	9	7	20	1455	26.5	16.9	16.3	60.0			0	Cloudy	28
																			29
																			30
17.3	11.1	3.4	8.3	45	933.3	-	7	4	22	1431									

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
Raingh.: 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: February	Year: 1963
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 50°50' E



Tr=Trace

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963
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	15.2*		10.0*	12.3*	71	1011.7*					23.2*		11.3*	13.4*	47	1011.3*					1
2	16.6	14.8	13.4	15.5	82	1013.4	040	6	6	25	23.2	17.7	13.9	15.9	56	1014.1	350	4	8	30	2
3	10.2	8.5	7.1	10.2	82	1016.1	320	6	0	25	24.2	15.0	6.5	9.7	32	1016.3	270	6	0	40	3
4	5.4	3.6	1.1	6.6	73	1017.5	–	0	0	30	21.7	14.0	6.7	9.8	38	1017.5	310	5	6	25	4
5	13.0	10.4	7.6	10.4	70	1020.2	–	0	8	25	19.2	11.4	2.4	7.3	32	1020.0	310	6	6	30	5
6	8.5	5.8	2.0	7.1	65	1018.5	300	6	0	30	20.9	10.6	-3.3	4.6	19	1018.4	290	12	1	25	6
7	4.7	2.5	-1.1	5.6	65	1017.2	230	6	0	25	20.7	12.3	3.0	7.6	32	1017.4	240	3	0	30	7
8	5.7*		-0.3*	6.0*	65	1017.5*					18.2*		4.0*	8.2*	39	1018.5*					8
9	8.7	7.1	5.3	8.8	79	1016.6	040	6	3	20	23.0	13.3	2.8	7.5	27	1015.1	070	8	7	30	9
10	15.7	14.8	14.2	16.2	90	1009.0	110	18	8	15	17.4	15.2	13.6	15.6	78	1010.0	240	18	8	30	10
11	11.5	10.9	10.3	12.6	93	1011.1	350	6	1	30	19.3	15.7	13.1	15.1	67	1011.3	–	0	3	30	11
12	12.7	11.8	11.1	13.2	90	1011.4	360	20	8	15	17.2	15.1	13.3	15.3	78	1010.7	360	10	8	20	12
13	9.3	8.8	8.3	11.0	93	1013.5	150	5	1	15	18.6	14.8	11.7	13.8	65	1014.0	170	4	0	6	13
14	8.7	8.3	7.8	10.7	94	1015.7	300	8	0	20	18.4	14.3	11.7	13.8	64	1016.7	290	18	0	30	14
15	9.1*		8.2*	10.8*	93	1018.0*					19.6*		12.1*	14.2*	62	1017.0*					15
16	8.6*		7.1*	10.1*	90	1017.8*					21.8*		8.3*	11.8*	45	1017.5*					16
17	9.4	8.3	7.5	10.4	90	1017.6	030	5	1	30	24.2	14.8	5.8	9.3	31	1017.0	150	8	0	30	17
18	10.4	9.6	8.9	11.4	90	1016.6	280	6	0	25	21.7	16.0	11.1	13.6	52	1017.4	290	8	0	30	18
19	8.5	7.1	5.4	8.9	80	1017.0	180	6	0	20	20.3	13.8	7.3	10.6	44	1017.0	240	7	0	25	19
20	8.6	6.7	4.4	8.4	74	1014.6	090	4	1	20	23.0	14.1	5.4	9.0	33	1015.6	130	5	5	30	20
21	14.2	12.8	11.7	13.7	84	1014.6	070	8	2	25	24.3	16.3	9.8	12.2	40	1016.2	090	6	0	30	21
22	11.0*		7.2*	10.3*	80	1015.9*					25.5*		8.4*	11.1*	34	1015.2*					22
23	14.3	12.2	10.3	12.6	77	1010.5	060	5	3	25	27.3	16.3	6.7	9.8	26	1010.9*	090	20	7	25	23
24	15.0	13.4	12.0	14.1	83	1011.6	180	2	7	20	26.1	19.4	15.1	17.3	51	1012.5	120	15	8	25	24
25	19.5	15.1	11.7	13.7	60	1009.9	110	20	8	20	24.7	15.9	8.3	11.0	35	1009.6	130	35	7	20	25
26	14.6*		10.6*	12.8*	77	1014.6*					22.1*		3.2*	7.7*	29	1015.5*					26
27	12.7	10.0	7.2	10.2	70	1015.7	300	6	6	20	24.0	13.8	3.1	7.5	26	1015.3	360	16	7	30	27
28	20.2	15.9	12.6	14.7	61	1011.0	100	15	8	20	28.0	16.4	6.0	9.4	25	1012.0	180	25	7	6	28
29																					29
30																					30
Av.	11.5	7.5	7.9	11.0	79	1014.8	–	8	3	23	22.1	14.8	7.9	11.1	43	1015.0	–	11	4	25	Av.

* Values obtained from recording instruments.

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: February Year: 1963

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		
21.8*		16.5*	18.8*	72	1013.0	130	6	8	15		23.3	9.5	9.0	45.6			0	P.Cloudy	1
21.8	16.7	13.0	15.0	57	1014.9	310	7	8	30		24.3	15.3	13.4	66.6			0	Cloudy	2
20.0	11.4	1.1	6.6	28	1015.8	270	8	2	25		25.3	8.4	6.8	67.2			0	Clear	3
18.0	11.2	3.6	7.9	38	1016.8	290	6	8	30		23.4	4.8	2.0	62.2			0	P.Cloudy	4
19.8	13.8	8.3	11.0	48	1018.5	300	3	0	30		22.8	12.3	11.1	65.0			Tr.	Rain	5
15.2	8.5	-0.7	5.8	34	1018.2	310	6	0	30		22.6	6.7	4.5	61.3			0	Fair	6
18.6	10.3	-1.1	5.6	28	1016.3	180	3	0	25		22.0	3.6	1.7	60.8			0	Clear	7
16.8	11.3	5.7	9.0	46	1017.0	-	0	8	30		18.6	5.3	3.0	45.0			0	O-cast	8
19.2	13.1	7.2	10.2	45	1011.7	090	8	8	30		23.2	7.8	6.7	62.0			0	P.Cloudy	9
16.4	14.3	12.6	14.6	78	1008.6	030	5	5	25		18.5	14.8	14.0	54.7			7.0	Rain	10
18.2	15.6	13.7	15.8	75	1011.9	270	10	8	15		19.3	10.2	8.7	57.5			1.0	"	11
17.7*		13.1*	15.2*	75	1010.1	300	8	2	30		21.2	12.3	11.4	53.9			2.3	"	12
17.2	15.0	13.3	15.3	77	1013.5	280	12	6	20		21.0	8.7	7.6	55.6			Tr.	"	13
13.5*		6.2*	9.5*	61	1015.9*	300	8	0	30		21.2	7.7	6.5	56.7			0.5	Clear	14
20.2*		10.6*	12.8*	54	1016.8	300	6	0	30		22.0	8.0	6.7	58.3			0	"	15
20.7*		8.1*	10.8*	44	1016.3*	300	6	0	30		23.4	7.8	6.0	63.6			0	P.Cloudy	16
23.0	15.7	9.7	12.1	42	1014.5	090	3	0	30		26.3	8.7	7.2	62.2			0	Clear	17
20.7	13.3	6.0	9.4	39	1016.4	290	12	0	25		24.8	9.3	7.3	60.7			0	"	18
20.2	13.8	7.8	10.5	44	1015.3	270	4	1	25		23.7	7.7	5.5	64.7			0	Fair	19
19.4	11.5	2.3	7.3	32	1012.2	130	8	3	25		25.3	7.7	6.5	64.6			0	Fair	20
22.1	16.5	12.3	14.3	54	1014.2	360	3	0	30		26.2	13.7	12.0	62.2			1.8	"	21
23.6	14.4	5.6	9.1	31	1011.6	090	15	2	30		27.8	10.1	8.0	63.3			0	"	22
22.8	17.3	13.3	15.3	56	1009.9	100	18	8	20		28.7	13.9	12.2	68.3			2.0	Cloudy	23
21.5	17.3	14.4	16.4	63	1010.2	150	20	1	20		27.8	14.7	12.2	62.9			0	P.Cloudy	24
21.8	15.7	10.9	13.0	50	1010.8	180	20	8	25		26.9	16.7	14.0	61.7			4.6	Rain	25
20.2	12.3	3.7	8.0	34	1014.8	300	7	2	25		24.3	14.2	12.3	63.5			0.3	Mist	26
22.3	14.8	8.1	10.8	40	1011.4	360	6	7	20		26.8	12.3	11.4	63.9			0	Cloudy	27
23.0	18.0	14.7	16.7	59	1012.0	140	12	7	25		28.4	18.6	16.8	56.1			0	Haze	28
																			29
																			30
19.9	14.0	8.6	11.7	50	1013.9	-	8	4	26										Av.

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

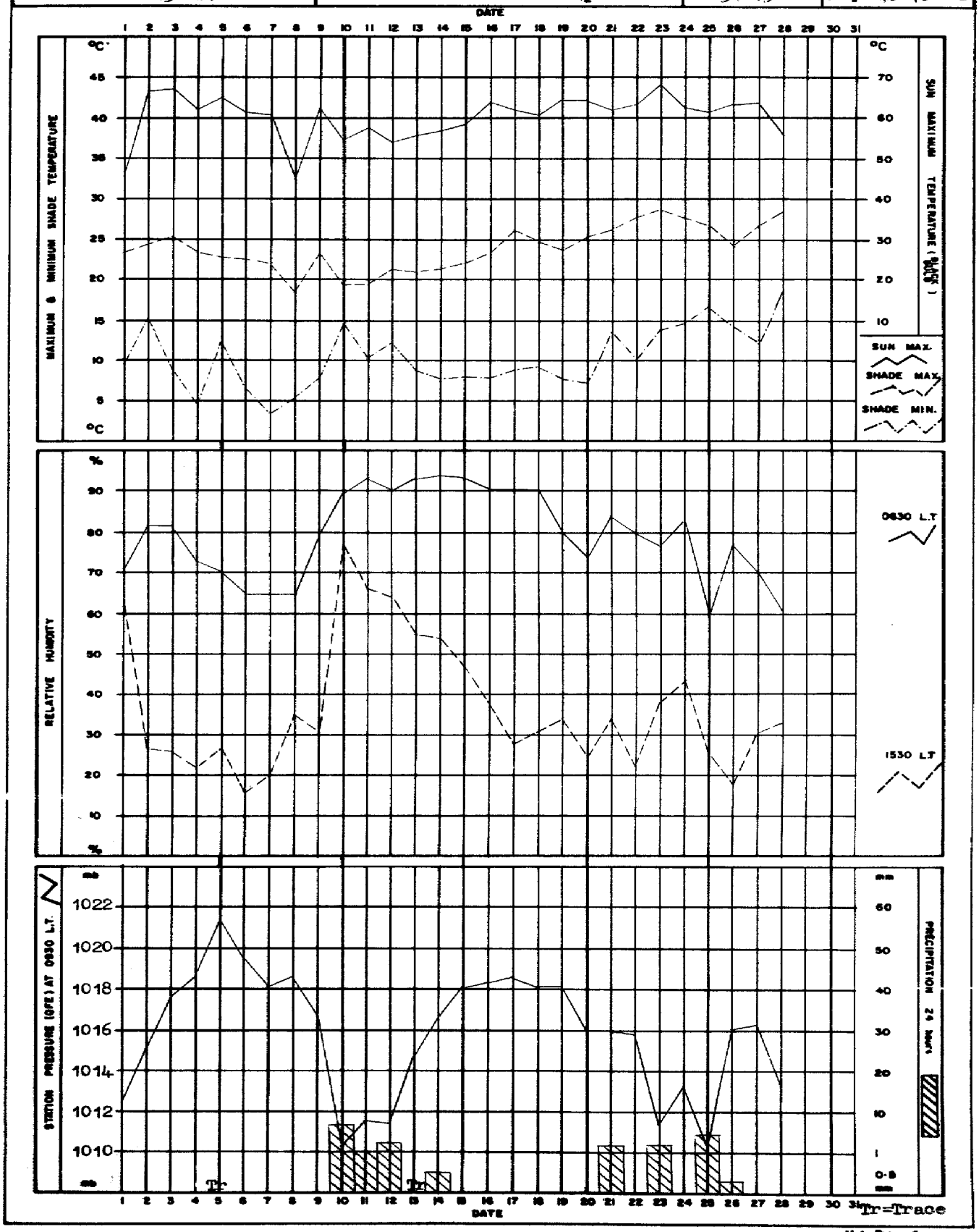
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		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: February Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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											19.3	11.2	3.4	7.9	35	1019.5	300	6	7	30	4
5	15.0	8.9	2.6	7.4	43	1021.3	–	0	7	15	20.0	11.0	2.2	7.1	30	1021.8	320	8	2	30	5
6	10.6	6.5	1.8	7.0	55	1020.5	–	0	0	20	21.1	10.3	-1.7	5.4	22	1021.1	340	2	4	18	6
7	9.7	5.3	-0.3	6.0	50	1019.0	–	0	0	15	18.9	10.6	2.2	7.2	33	1019.3	300	2	1	15	7
8						1020.5*										1019.7	–	0	8	15	8
9	12.8	10.0	7.6	10.5	71	1017.9	360	4	8	15	21.7	12.2	3.7	8.0	31	1016.4	030	4	6	15	9
10	15.6	14.9	14.6	16.6	94	1010.9	200	6	3	10	19.6	16.1	14.0	16.0	70	1011.3	220	6	7	15	10
11	13.3	10.6	8.4	11.1	73	1012.4	300	5	5	10	19.4	14.7	11.6	13.7	61	1012.5	–	0	5	15	11
12	13.9	12.0	10.6	12.7	80	1011.9	360	18	5	15	20.8	15.3	11.6	13.7	56	1012.2	090	6	3	20	12
13	12.8	10.6	8.7	11.3	77	1014.8	–	0	0	15	20.0	13.9	9.3	11.8	50	1016.4	270	6	0	6	13
14	10.8	9.1	7.6	10.5	81	1018.0	–	0	0	12						1018.8*					14
15						1018.6*										1019.1*					15
16						1019.0*										1019.9*					16
17	12.5	10.6	9.1	11.6	80	1018.6	–	0	1	12	22.8	14.7	8.9	11.5	42	1018.2	180	4	0	15	17
18	14.2	10.6	7.6	10.5	65	1018.8	290	6	0	15	22.2	13.9	7.5	10.4	39	1019.5	280	4	0	20	18
19	10.4		7.8	10.6	89	1019.1	260	4	0	10	22.2	12.8	8.5	8.5	32	1019.4	290	8	2	20	19
20	12.2	8.6	5.1	8.8	62	1016.3	–	0	4	12	20.8	13.3	7.5	10.4	42	1017.1	180	4	6	15	20
21	15.8	15.0	14.4	16.5	92	1015.5	150	4	3	10	23.6	17.0	12.9	14.9	51	1017.1	190	6	0	8	21
22						1016.3*										1016.3					22
23						1010.9	310	15	3	10	25.8	18.9	15.1	17.2	52	1011.5	150	10	4	15	23
24	16.1	14.4	13.4	15.4	84	1012.6	–	0	5	8	25.0	19.2	17.1	19.5	61	1013.8	–	0	7	10	24
25	23.3	18.3	15.7	17.9	63	1010.7	090	20	8	10	23.9	18.1	14.8	16.9	57	1011.2	160	20	7	20	25
26	17.2	11.1	5.7	9.2	47	1016.0	290	8	8	15	23.4	12.3	1.7	6.8	24	1016.9	300	8	7	9	26
27	20.6	12.8	6.3	9.6	39	1016.9	360	6	2	10	25.4	12.4	-0.9	5.7	18	1016.8	340	6	7	30	27
28	21.1	17.2	15.0	17.1	68	1012.5	190	12	5	20						1013.8*					28
29																					29
30																					30
Av.						1016.2										1016.8					Av.

* 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: February Year: 1963
Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' E.

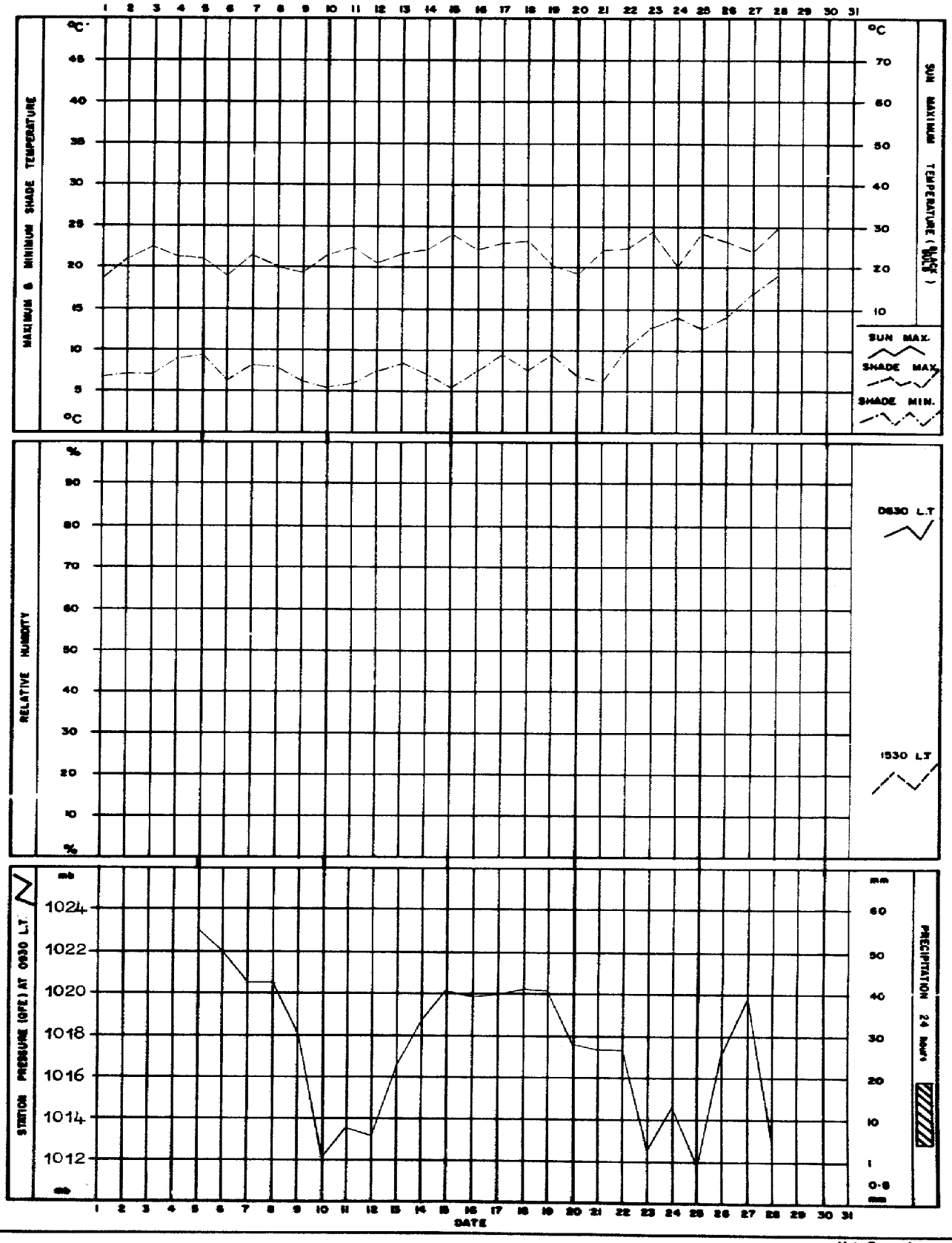
Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	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
					1019.9*						21.2	9.0						Cloudy	4
					1020.1*						20.9	9.4						P.Cloudy	5
					1019.6*						19.0	6.4						"	6
					1018.0*						21.4	8.2						Fair	7
					1018.6*						20.0	8.0						O-cast	8
					1014.3*						19.4	6.2						Cloudy	9
					1009.1*						21.4	5.4						Rain	10
					1011.7*						22.4	6.0						Mist	11
					1012.3*						20.6	7.4						Rain	12
					1015.7*						21.6	8.4						Mist	13
					1017.8*						22.2	7.2						"	14
					1018.1*						24.0	5.6							15
					1017.4*						22.2	7.4							16
					1016.0*						23.0	9.6						Fair	17
					1017.1*						23.2	7.6						Clear	18
					1017.3*						20.2	9.5						Mist	19
					1013.1*						19.2	7.0						P.Cloudy	20
					1015.3*						22.2	6.2						Mist	21
					1012.7*						22.4	10.3						Haze	22
					1010.2*						24.4	13.0							23
					1010.9*						20.0	14.0						Mist	24
22.0	18.3	16.4	18.7	71	1011.6	170	10	4	15		24.2	12.8						Rain	25
					1016.8*						23.2	14.0						Th.Storm	26
24.2	14.2	6.2	9.5	32	1012.8	160	4	5	20		22.0	17.0						Cloudy	27
					1013.7*						25.0	19.0							28
																			29
																			30
					1015.2														Av.

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: February	Year: 1963
		Station: Abadan	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°22' N.	Long: 48°13' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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	18.0	16.0	14.6	16.6	80	1014.4	180	8	7	25	23.0	19.0	16.5	18.8	67	1014.3	180	14	7	20	1
2	16.5	14.0	12.0	14.0	75	1014.8	060	4	8	20						1015.0*	100*	13*			2
3	13.5	11.8	10.2	12.5	81	1017.4	340	5	1	40	24.0	15.0	6.7	9.8	33	1017.4	360	5	0	30	3
4	10.2	7.0	2.8	7.5	60	1018.3	350	6	5	30	23.5	13.0	1.1	6.6	23	1018.2	350	3	7	30	4
5	14.0	10.0	5.6	9.1	57	1021.0	030	4	7	40	20.0	11.8	2.4	7.3	31	1021.1	020	5	6	30	5
6	11.2	8.1	4.3	8.3	62	1019.9	360	3	0	40	21.2	11.7	0.1	6.2	25	1020.0	300	5	5	50	6
7	9.8	7.0	3.4	7.8	65	1018.8	–	0	3	50	19.4	11.5	2.3	7.2	32	1018.6	270	6	1	50	7
8	9.0	7.9	6.6	9.8	86	1018.5	–	0	5	40	17.0	12.2	7.5	10.4	54	1019.8	180	5	8	25	8
9	12.8	10.0	7.1	10.1	68	1017.3	010	10	8	30	21.2	15.0	9.7	12.1	48	1016.1	160	4	6	30	9
10	16.2	15.0	14.1	16.1	88	1011.5	160	10	5	30	20.1	17.4	15.6	17.7	75	1011.2	170	15	7	15	10
11	13.0	12.0	11.1	13.2	88	1012.2	360	4	6	30	19.2	16.0	13.6	15.6	70	1012.1	260	6	3	30	11
12	14.6	13.4	12.4	14.4	87	1012.6	360	14	7	25	20.2	15.9	12.6	14.6	62	1011.3	060	5	4	25	12
13	14.2	12.8	11.7	13.7	85	1014.4	–	0	0	30	19.4	15.0	11.4	13.5	60	1015.4	340	7	0	5	13
14	11.2	10.1	9.0	11.5	87	1016.7	340	8	0	18	19.1	14.5	10.7	12.8	58	1017.4	320	10	1	50	14
15	10.5	9.0	7.4	10.3	82	1019.0	360	5	0	50	19.3	14.3	10.0	12.3	55	1019.3	340	3	0	50	15
16	12.1	11.0	10.0	12.3	88	1018.8	–	0	3	50	22.4	15.2	9.1	11.5	43	1019.0	170	3	5	50	16
17	12.4	10.4	8.4	11.0	77	1018.7	170	4	2	30	21.5	14.7	8.8	11.3	44	1018.3	250	3	3	30	17
18	13.1	12.0	11.0	13.1	87	1017.9	350	3	0	25	21.5	16.4	12.6	14.6	57	1018.6	330	7	0	25	18
19	11.4	9.4	7.2	10.2	76	1018.4	310	4	0	4	21.3	14.7	9.0	11.5	45	1018.2	310	7	2	25	19
20	12.5	10.6	8.7	11.3	78	1015.9	120	4	1	20	22.2	15.7	10.4	12.7	47	1017.0	190	5	4	25	20
21	16.7	15.6	14.8	16.9	89	1016.1	130	5	8	18	24.0	18.2	14.3	16.3	55	1017.0	180	7	0	25	21
22	13.6	12.2	11.0	13.1	85	1016.7	060	3	0	25	24.0	18.4	14.6	16.7	56	1016.2	160	4	0	20	22
23	18.1	13.8	10.0	12.3	59	1012.0	140	10	8	30	26.0	17.0	9.9	12.2	36	1011.6	170	18	5	15	23
24	18.0	15.2	13.1	15.1	73	1012.4	160	4	8	30	25.2	20.0	16.8	19.2	60	1013.5	180	10	8	30	24
25	20.0	15.2	11.4	13.5	58	1014.2	180	5	8	30	25.0	16.3	9.1	11.6	36	1013.2	160	28	8	16	25
26	17.5	13.0	8.9	11.4	57	1015.1	360	11	8	15	22.1	13.3	4.2	8.2	31	1016.3	010	12	8	14	26
27	14.5	10.7	6.7	9.8	60	1016.4	360	6	5	25	25.0	14.7	4.7	8.5	27	1015.9	050	10	7	25	27
28	20.0	17.0	14.9	17.0	73	1013.5	140	10	6	30	25.4	18.4	13.6	15.6	48	1014.4	180	14	5	30	28
29																					29
30																					30
Av.	14.1	11.8	9.6	12.2	75	1016.3	–	5	4	30	22.0	15.4	9.9	12.4	47	1016.4	–	8	4	29	Av.

* Values obtained from recording instruments.

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: February Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30° 30' N Long: 49° 12' 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		Date
20.5	17.5	15.5	17.6	73	1014.6	160	10	8	25		24.5	16.0	15.4		170	22	0	O-cast	1
19.0	16.6	14.9	17.0	78	1015.7*	110	4	7	25		25.9	15.4	15.0		200	34	0	Cloudy	2
22.0	13.5	4.9	8.7	33	1016.6	010	5	3	30		26.3	11.9	11.6		360	19	0	Fair	3
19.0	14.2	10.1	12.4	57	1018.0	340	6	8	40		24.7	9.0	8.3		290	25	0	Cloudy	4
20.0	11.8	2.4	7.3	31	1019.4	360	3	4	30		22.7	13.3	11.4		360	13		Rain	5
20.3	11.5	1.0	6.5	27	1018.3	350	7	1	40		23.3	10.0	9.4		340	23	0	P.Cloudy	6
19.6	14.0	9.0	11.5	50	1017.1	–	0	1	40		22.3	8.7	8.0		250	12	0	Fair	7
18.0	13.0	8.3	11.0	53	1018.4	–	0	8	30		19.4	8.0	6.8		230	10	0	Cloudy	8
18.0	16.2	14.9	17.0	83	1014.7	160	5	8	30		22.6	11.9	11.4		200	22	0.2	Rain	9
19.4		16.2	18.5	82	1009.6	220	2				21.0	16.0	15.1		190	25	6.7	Th.storm	10
19.2	16.8	15.2	17.2	78	1011.7	–	0	8	25		20.7	12.0					0	P.Cloudy	11
19.2	16.0	13.6	15.6	70	1011.0	350	7	6	25		22.5	13.5	13.1				0.3	Th.storm	12
19.1		10.8	13.0	59	1014.6	300	9				21.5	13.5	11.4		310	13	0	Haze	13
19.0	14.2	10.1	12.4	57	1016.6	340	7	0	50		20.9	10.6			350	10	0	Clear	14
20.4	14.3	8.9	11.4	48	1017.4	010	3	0	50		23.0	9.8	9.2		330	12	0	"	15
20.6	15.8	12.1	14.1	58	1017.2	–	0	1	50		23.4	10.9	9.8		360	10	0	P.Cloudy	16
21.0	16.0	12.2	14.2	57	1015.9	220	5	5	30		25.2	11.8	11.1		300	9	0	"	17
22.9	16.2	11.0	13.1	47	1016.9	350	5	2	25		25.2	12.2	11.4		350	16	0	Fair	18
22.2	16.2	11.5	13.6	51	1016.4	320	4	1	25		25.2	11.0	9.7		320	21	0	Haze	19
21.0	15.4	10.9	13.0	52	1013.5	–	0	8	25		25.2	12.0	11.0		260	15	0	P.Cloudy	20
22.6	18.0	14.9	17.0	62	1015.2	–	0	2	15		24.8	16.2	14.4		130	19	0.5	Rain	21
21.0	16.8	13.8	15.8	64	1013.2	180	7	4	20		26.2	13.2	12.6		160	21	0	Fair	22
22.0	18.0	15.3	17.4	66	1010.7	180	15	8	15		26.2	17.8	16.1		160	35	0.8	Rain	23
20.6	17.4	15.2	17.3	71	1013.1	160	12	8	30		25.2	17.4	16.1		150	36	Tr.	Rainsh.	24
20.6	17.4	15.2	17.3	71	1011.4	170	14	6	20		26.3	19.4	15.8		170	33	1.5	Rain	25
21.0	13.5	6.2	9.5	38	1015.4	010	8	7	17		24.8	15.8	15.7		360	24	Tr.	"	26
22.0	18.0	15.3	17.4	66	1013.4	180	8	7	25		27.5	13.8	12.4		150	23	0	Cloudy	27
21.8	18.1	15.7	17.8	68	1014.1	300	5	5	25		26.3	19.4	18.9		180	34	Tr.	Rain	28
																			29
																			30
19.8	15.8	11.6	14.1	59	1015.0	–	5	5	30										Av.

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

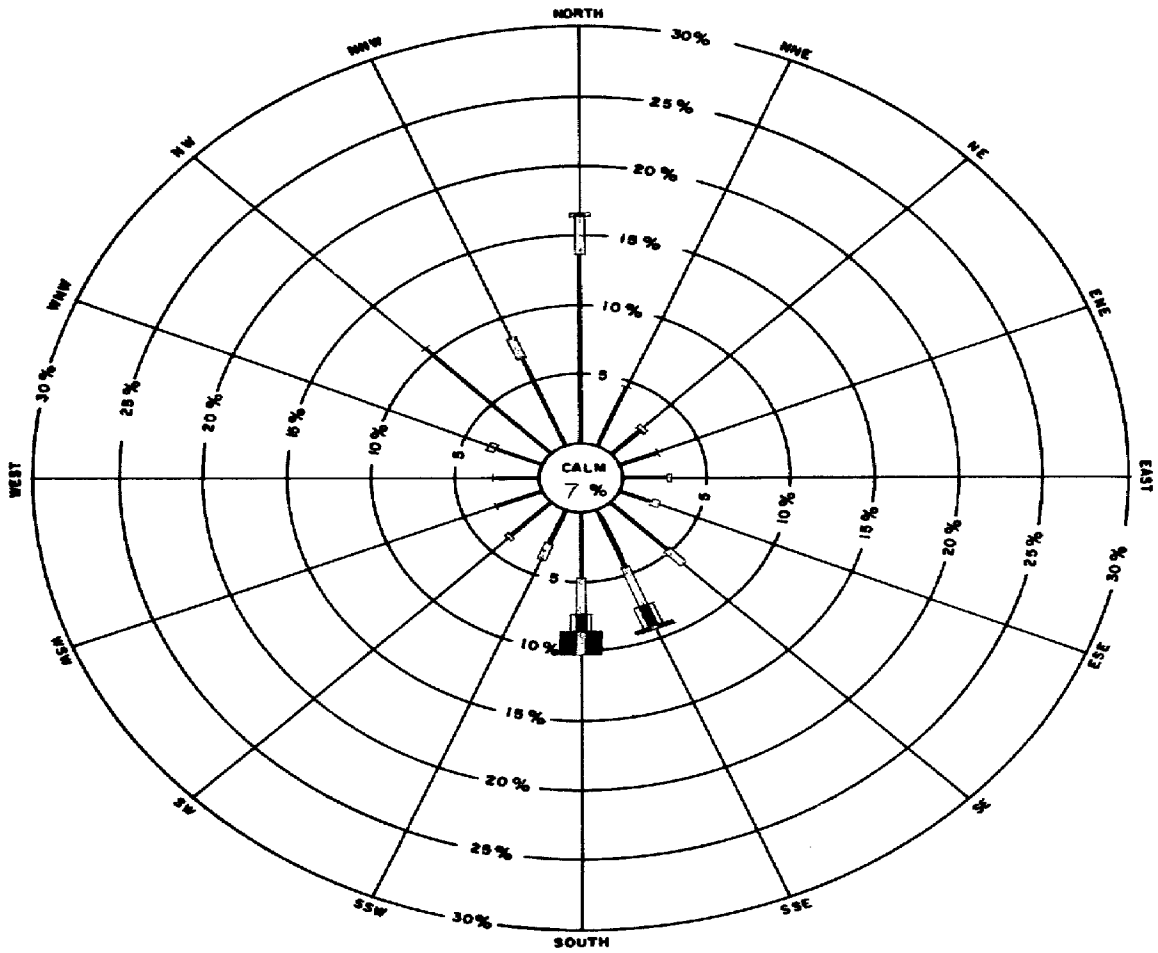
Th. storm: Thunderstorm at or near the station

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' N.	Long: 49°12' E

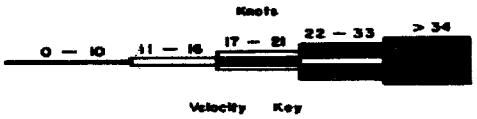
Met. Form 4

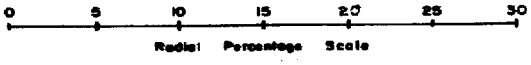
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Hours in month 672

Hours recorded 642





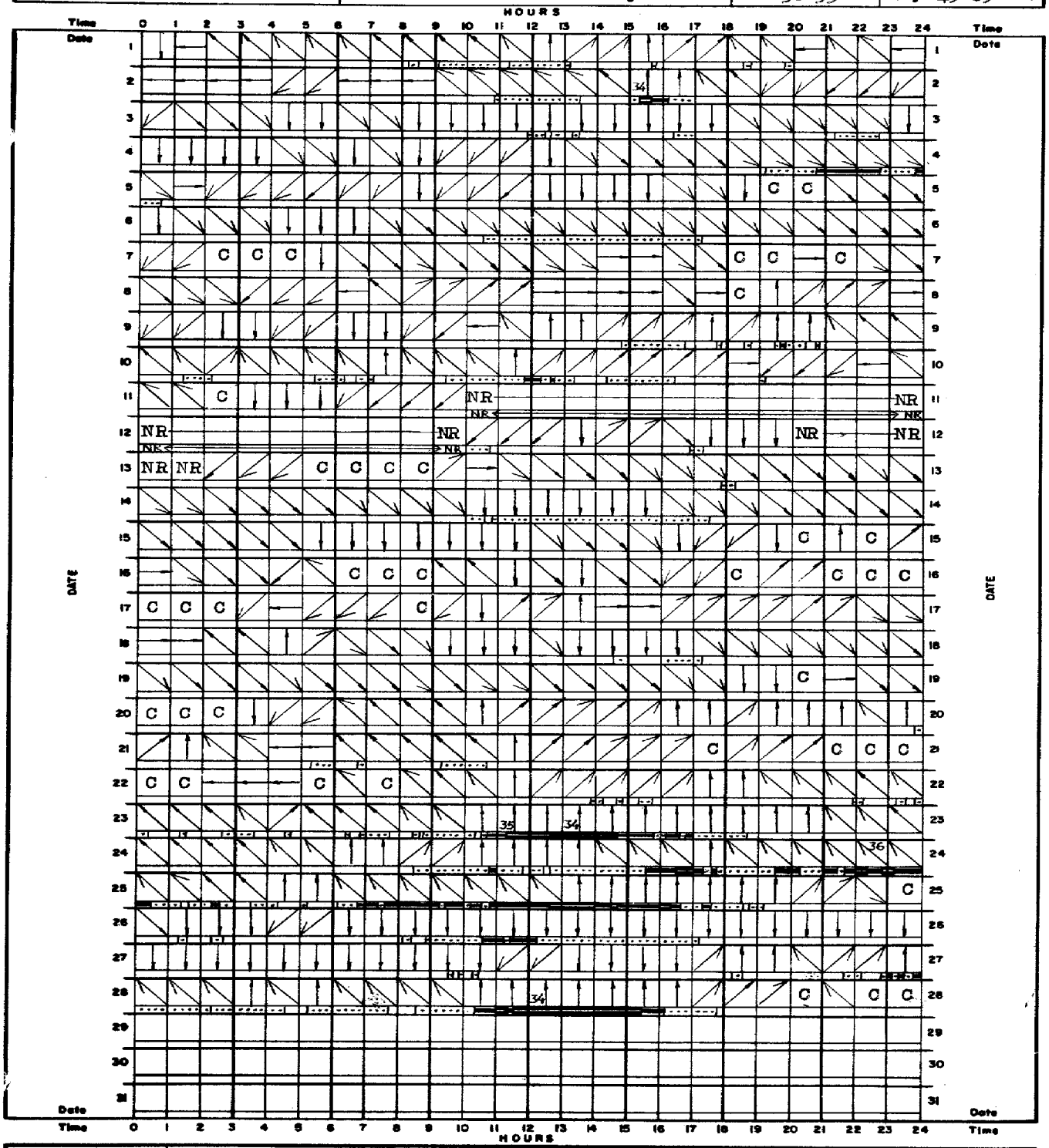
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

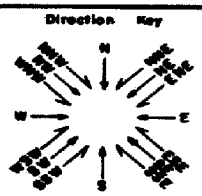
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: February	Year: 1963
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963
Station: Kharg Island

Ground Level: 3 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 29°16' 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	19.0	18.0	17.3	19.8	90	1014.3	100	10	7	20	22.0	19.4	17.8	20.4	77	1013.3	170	14	8	20	1
2	18.0	17.4	17.0	19.4	94	1014.1	–	0	8	10	23.2	17.0	12.4	14.4	51	1014.8	050	2	4	20	2
3	18.8	16.2	14.3	16.3	75	1015.7	360	3	1	20	21.6	18.4	16.4	18.6	72	1016.4	350	7	0	30	3
4	18.4	15.0	12.3	14.4	68	1017.1	360	4	3	20	23.2	16.8	11.9	14.0	44	1017.2	360	2	5	20	4
5	17.8	13.4	9.5	11.9	58	1019.3	360	8	7	20	19.6	15.2	11.7	13.8	61	1020.3	360	3	8	25	5
6	16.2	13.8	11.8	13.9	76	1019.0	360	2	0	30	21.2	16.4	12.8	14.8	59	1019.5	360	8	6	20	6
7	17.0	12.0	7.1	10.1	52	1017.8	360	12	0	30	20.8	13.2	5.6	9.1	37	1018.3	340	15	1	30	7
8	12.8	11.8	10.8	13.0	88	1018.1	–	0	2	30	20.4	13.6	7.2	10.2	43	1019.9	350	6	7	30	8
9	16.0	14.0	12.3	14.4	79	1017.0	–	0	8	20	21.4	16.8	13.5	15.5	61	1016.1	090	10	5	25	9
10	17.6	16.6	15.9	18.1	90	1012.8	180	12	8	10	19.4	17.0	15.3	17.4	77	1011.3	070	22	7	20	10
11	15.6	15.0	14.6	16.7	93	1011.5	–	0	0	10	20.8	18.0	16.1	18.3	75	1012.0	–	0	2	15	11
12	19.0	17.2	16.0	18.2	83	1009.8	120	6	7	20	21.4	17.4	14.7	16.7	65	1011.2	050	10	4	20	12
13	17.2	14.6	12.5	14.6	75	1014.1	360	10	0	20	20.6	14.6	9.4	11.9	49	1015.1	340	8	0	25	13
14	16.8	14.4	12.5	14.5	76	1015.6	320	15	2	15	19.4	15.0	11.4	13.5	60	1017.1	350	14	0	20	14
15	16.4	14.0	12.0	14.1	76	1018.0	360	15	0	30	19.8	15.4	12.0	14.0	61	1018.1	330	10	0	30	15
16	13.6	13.0	12.5	14.5	93	1018.2	–	0	0	30	21.0	15.2	10.4	12.6	50	1019.2	340	6	1	25	16
17	14.4	12.8	11.4	13.5	83	1018.2	–	0	0	30	21.6	15.0	9.4	11.8	46	1018.1	360	4	0	30	17
18	15.0	14.6	14.3	16.3	95	1017.6	060	3	0	20	21.4	18.2	16.2	18.4	72	1018.6	350	6	0	20	18
19	16.8	13.8	11.3	13.4	70	1018.0	320	10	0	10	20.6	16.4	13.3	15.3	63	1018.7	340	8	0	10	19
20	14.2	13.8	13.5	15.5	95	1015.9	–	0	7	20	20.4	17.8	16.1	18.3	77	1016.9	120	4	1	30	20
21	18.0	16.0	14.6	16.6	80	1016.4	–	0	8	30	20.2	16.0	12.9	14.9	63	1017.0	040	2	8	30	21
22	14.2	13.8	13.5	15.5	95	1016.7	–	0	0	20	23.0	17.0	12.5	14.5	51	1016.3	140	6	0	20	22
23	18.6	15.4	12.9	15.0	70	1013.3	100	2	7	30	23.6	20.0	17.9	20.5	70	1013.4	120	10	6	30	23
24	22.0	17.6	14.7	16.7	63	1013.1	180	12	4	25	23.4	19.0	16.3	18.5	64	1014.2	180	20	8	20	24
25	20.6	16.0	12.5	14.5	60	1015.4	020	2	8	30	23.6	17.6	13.3	15.3	52	1015.3	140	5	8	20	25
26	19.6	18.6	17.9	20.6	91	1013.3	–	0	8	20	22.2	19.0	17.0	19.4	73	1015.6	360	2	8	20	26
27	17.0	16.6	16.3	18.6	96	1015.4	–	0	2	20	22.8	18.2	15.1	17.2	62	1015.9	100	3	6	20	27
28	20.2	18.4	17.3	19.7	83	1014.6	120	3	6	20	25.2	19.8	16.5	18.8	59	1015.6	180	10	7	25	28
29																					29
30																					30
Av.	17.2	15.1	13.5	15.7	80	1015.7	–	5	4	21	21.6	16.9	13.4	15.7	61	1016.3	–	8	4	23	Av.

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: February Year: 1963
Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29° 16' N Long: 50° 20' E.

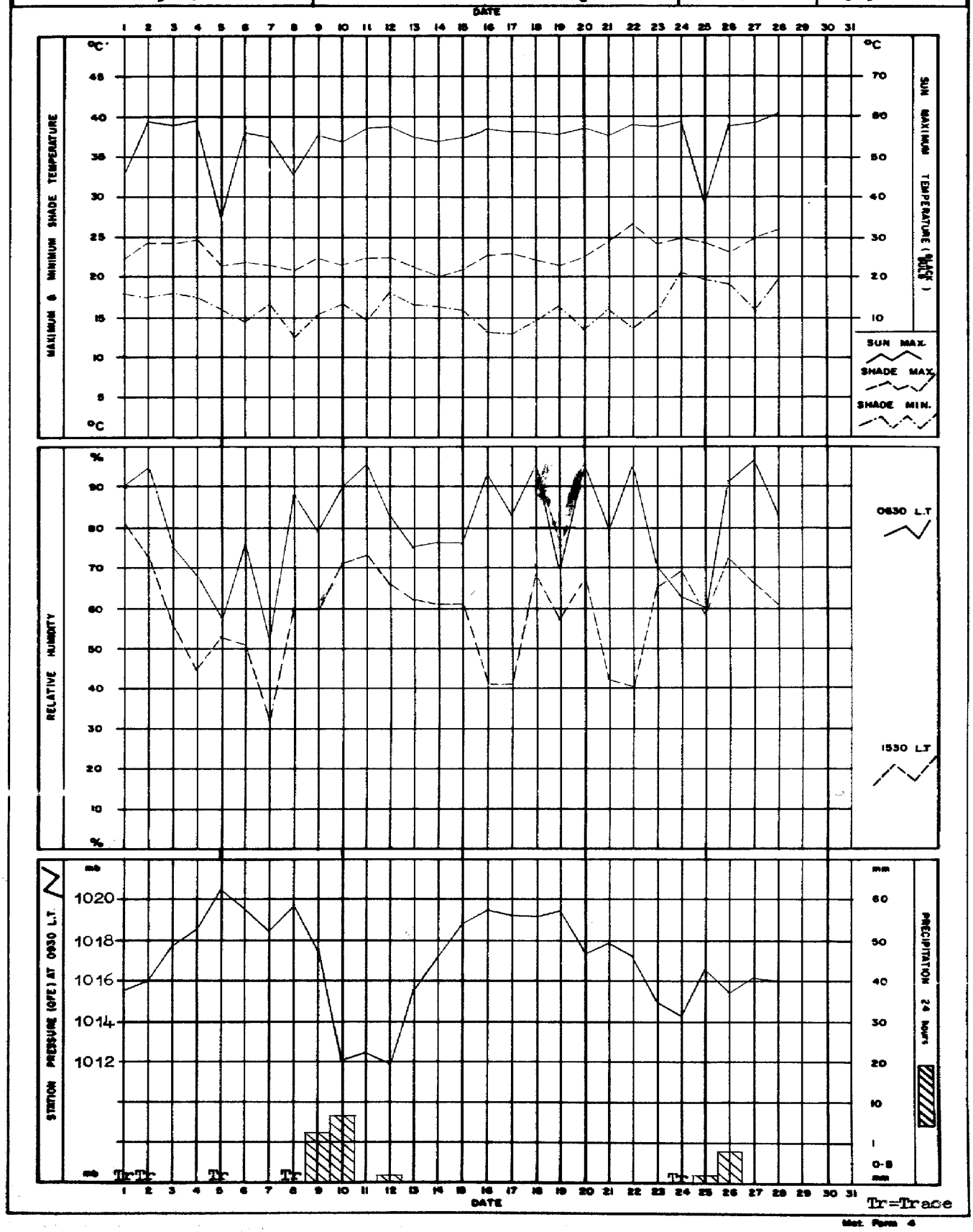
Observations at 1830										Sea Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	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		
21.0	20.0	19.4	22.6	91	1013.5	170	14	8	20		22.2	18.0	13.6	46.0	350	22	Tr.	Rain	1
21.6	17.8	15.2	17.3	67	1015.4	–	0	8	20		24.2	17.6	15.2	59.0			Tr.	"	2
20.8	16.2	12.7	14.7	60	1015.6	350	2	1	20		24.2	18.0	14.0	58.0	010	18	0	Fair	3
21.0	17.2	14.6	16.6	67	1016.6	300	6	7	20		24.8	17.5	14.0	59.0	330	27	0	P.Cloudy	4
18.6	14.6	11.4	13.5	63	1019.3	360	2	7	20		21.4	16.0	12.8	35.0	020	34	Tr.	O-cast	5
20.0	14.0	8.6	11.2	48	1017.7	300	10	7	20		21.8	14.6	10.6	55.8	360	20	0	P.Cloudy	6
18.0	12.0	5.8	9.2	45	1017.5	320	7	0	20		21.4	16.6	14.0	55.0	360	21	0	Fair	7
18.8	12.2	5.3	8.9	41	1018.6	360	7	8	20		20.7	12.5	8.2	46.0	020	15	Tr.	Rain	8
18.4	15.8	13.9	15.9	75	1015.1	200	8	8	10		22.4	15.3	11.4	55.4	120	21	2.4	"	9
19.6	17.8	16.7	19.0	83	1009.1	–	0	2	20		21.6	16.6	14.4	54.0	130	31	6.6	"	10
18.8	17.0	15.7	17.9	82	1011.8	320	4	8	15		22.4	14.6	10.6	57.0			0	Mist	11
20.8	18.6	17.2	19.7	81	1010.7	–	0	2	20		22.6	18.0	14.8	57.4	080	20	0.2	Th.storm	12
18.2	14.2	10.8	13.0	62	1014.6	320	6	0	5		21.2	16.6	14.0	54.8		24	0	Haze	13
18.4	14.0	10.3	12.5	50	1016.3	330	12	0	20		20.0	16.4	14.4	54.0	350	23	0	Clear	14
18.4	14.4	11.1	13.2	62	1017.8	320	7	0	25		21.0	16.0	13.7	54.8	360	22	0	"	15
19.0	14.6	11.0	13.1	60	1017.8	–	0	3	30		22.8	13.2	8.8	57.0	310	9	0	Fair	16
19.6	16.2	13.7	15.7	69	1016.0	300	3	2	30		23.0	13.0	8.4	56.6	330	10	0	Clear	17
19.2	15.6	12.9	14.9	67	1017.1	320	6	0	30		22.2	14.6	10.4	56.4	330	19	0	"	18
19.0	15.2	12.2	14.2	65	1017.3	320	6	3	20		21.4	16.4	14.8	55.8	360	26	0	Haze	19
19.6	16.4	14.1	16.1	70	1014.2	120	2	5	30		22.4	13.6	10.0	57.0	170	7	0	P.Cloudy	20
20.4	17.2	15.0	17.0	71	1015.6	320	4	0	20		24.4	16.0	12.4	55.0	150	14	0	P.Cloudy	21
21.0	16.6	13.4	15.4	62	1014.3	–	0	0	20		21.8	13.8	9.4	58.0	140	12	0	Clear	22
22.0	19.2	17.5	20.0	75	1011.4	180	14	4	20		24.2	16.0	12.4	57.5	180	25	0	Cloudy	23
22.2	18.4	15.9	18.1	68	1013.8	120	8	5	20		25.0	20.5	17.8	58.8	180	31	Tr.	Rainsh.	24
22.8	18.2	15.2	17.3	62	1012.4	180	20	8	15		24.4	19.7	18.8	38.8	180	36	0.2	Rain	25
21.2	18.6	17.1	19.4	77	1014.7	140	4	8	20		23.2	19.0	15.4	57.8	220	18	0.8	O-cast	26
21.8	20.2	19.3	22.4	86	1014.1	180	2	5	20		25.0	16.0	13.4	58.8			0	P.Cloudy	27
22.8	18.6	15.9	18.1	65	1014.4	180	8	7	20		26.0	19.6	17.4	60.8	120	9	0	P.cloudy	28
																			29
																			30
20.1	16.5	13.6	16.0	67	1014.8	–	6	4	20										Av.

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

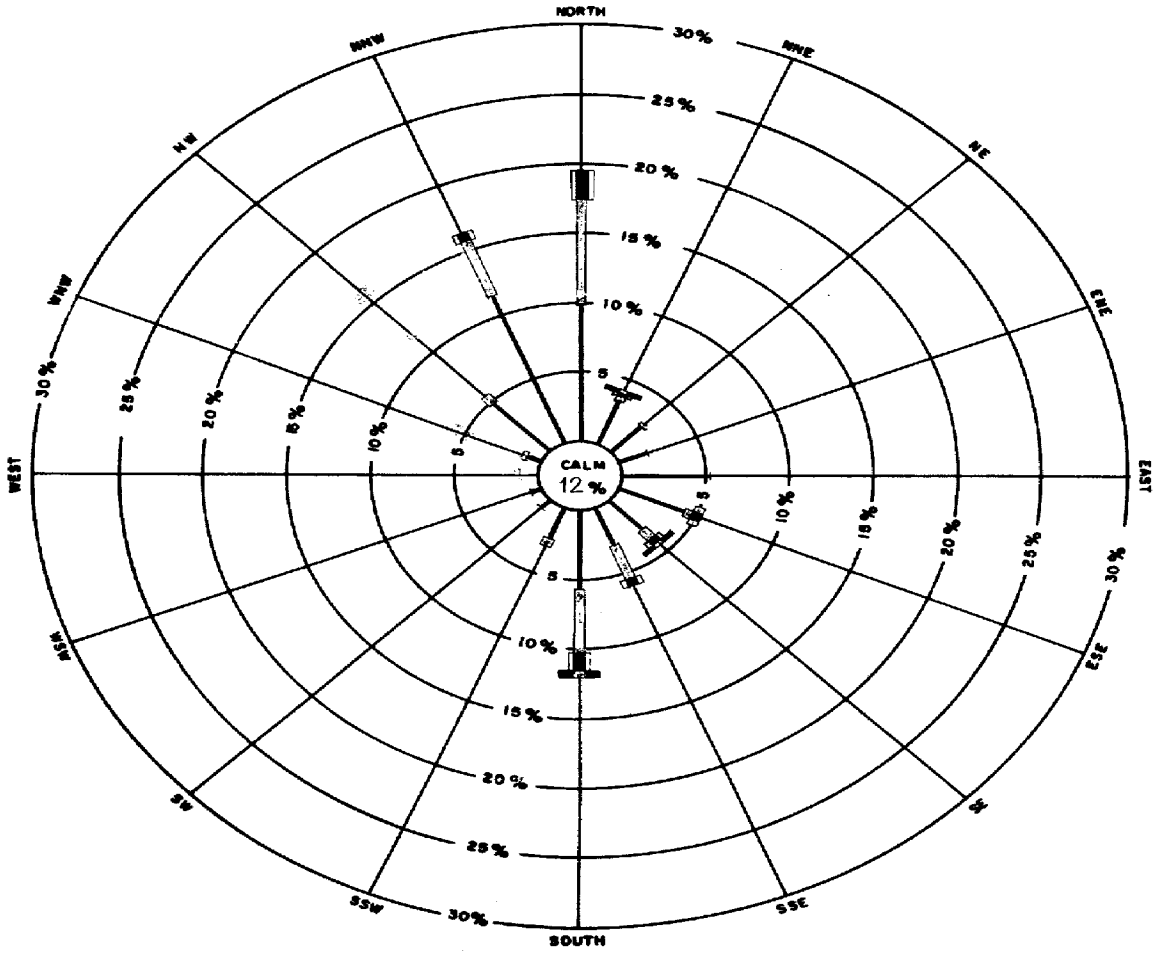
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



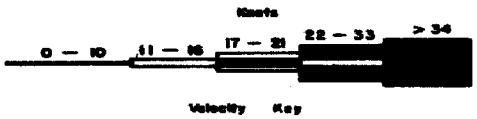
Met. Form 4

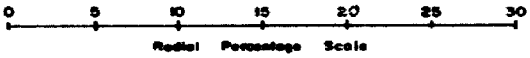
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Hours in month 672

Hours recorded 649





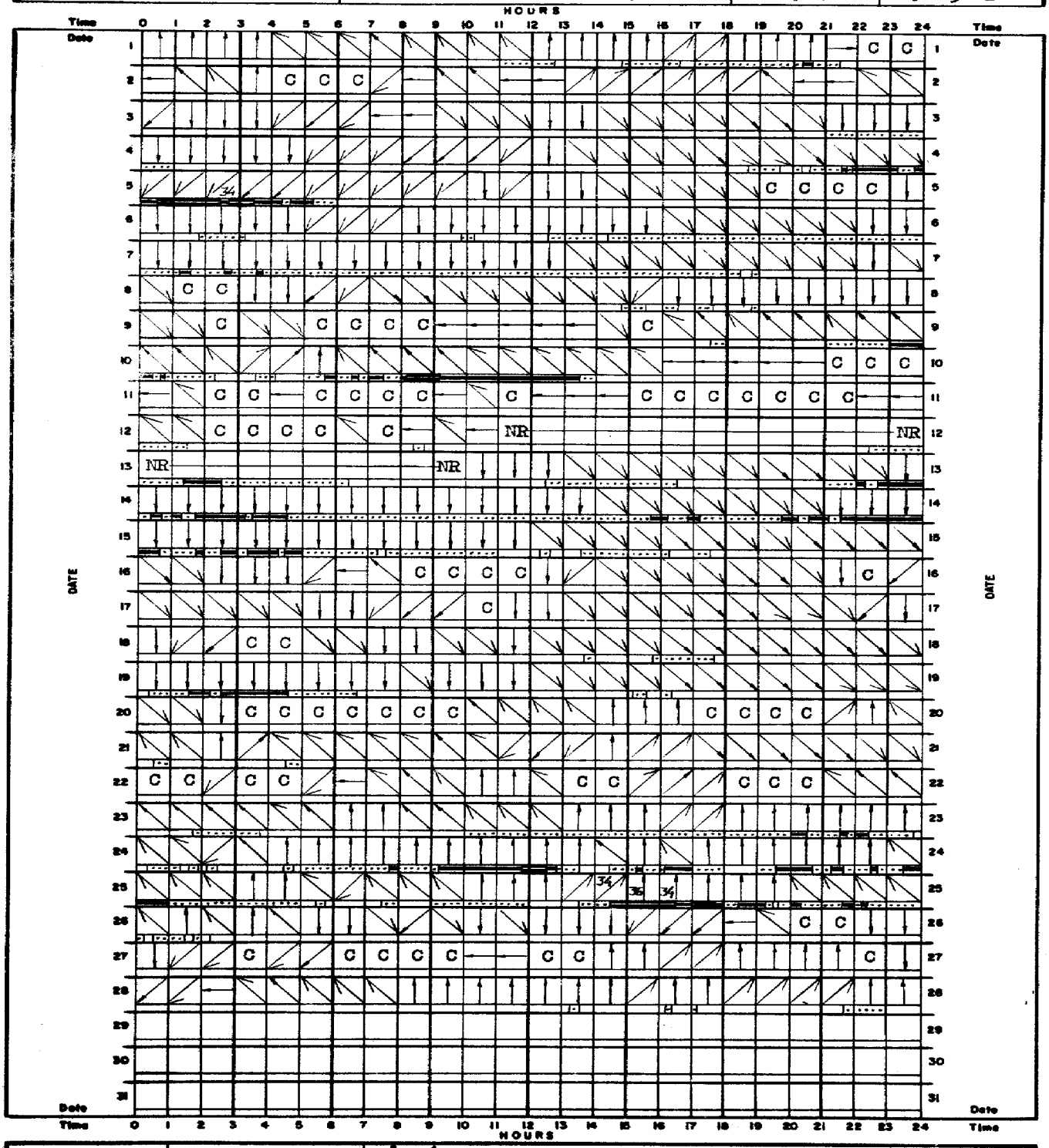
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: February	Year: 1963
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' 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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963

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	18.3	17.3	16.6	19.1	91	1015.3	050	2	5	30	22.9	20.2	18.7	21.7	77	1015.1	140	10	7	25	1
2	18.0	17.8	17.7	20.2	98	1014.5	180	1	4	20	23.7	20.3	18.4	21.1	72	1015.2	160	2	1	25	2
3	19.8	18.4	17.6	20.0	87	1015.0	–	0	7	30	23.8	21.9	20.9	24.8	84	1015.6	130	10	7	30	3
4	21.4	19.8	19.0	21.8	85	1017.2	340	6	6	30	23.7	20.8	19.2	22.2	76	1016.7	140	14	6	35	4
5	18.7	17.4	16.6	18.8	87	1017,5	–	0	2	40	24.3	20.0	17.4	19.9	65	1017.6	130	10	7	40	5
6	19.5	16.0	13.4	15.4	68	1016.7	320	6	3	30	25.5	17.9	12.4	14.4	44	1017.0	280	10	3	35	6
7	16.4	15.1	14.1	16.1	86	1015.8	270	10	3	40	23.8	19.1	16.2	18.3	62	1016.6	180	2	1	60	7
8	16.1	15.2	14.5	16.5	90	1017.6	290	1	1	35	23.8	18.2	14.4	16.4	56	1018.3	240	6	3	35	8
9	16.9	15.2	13.9	15.9	83	1016.3	280	2	3	40	25.8	17.5	11.3	13.4	40	1015.3	360	2	0	60	9
10	21.8	19.8	18.7	21.5	82	1013.6	080	1	4	35	23.4	20.8	19.3	22.4	78	1011.6	110	14	7	35	10
11	18.0	17.0	16.3	18.6	90	1010.5	300	2	0	20	24.7	21.4	19.6	22.9	74	1011.5	230	8	1	20	11
12	18.8	18.5	18.3	21.0	97	1012.2	350	1	5	30	23.6	20.9	19.4	22.6	78	1012.6	110	7	7	25	12
13	21.2	19.2	18.0	20.6	82	1012.6	140	6	5	30	23.5	20.4	18.6	21.5	74	1013.6	180	7	6	40	13
14	16.9	15.8	15.1	17.1	89	1013.1	340	4	1	25	23.1	16.6	11.6	13.7	49	1014.1	280	11	0	25	14
15	15.1	14.5	14.1	16.0	93	1015.7	300	7	0	25	24.0*	.	15.5*	17.6*	57*	1017.3*	190	6	0	20	15
16	16.0	15.7	15.4	17.6	96	1018.5	280	1	0	25	23.6	20.9	19.4	22.7	77	1018.3	190	1	1	30	16
17	15.7	15.7	15.7	17.8	100	1017.3	290	2	2	30	23.8	18.0	14.0	16.0	54	1016.9	240	7	0	50	17
18	18.4	17.3	16.6	19.0	89	1016.5	290	1	0	30	26.3	17.6	11.2	13.2	39	1016.5	290	2	1	35	18
19	15.6	14.8	14.2	16.2	91	1016.9	280	6	0	30	23.5	18.2	14.7	16.7	58	1017.6	200	2	1	25	19
20	16.7	15.8	15.1	17.2	92	1016.6	280	1	4	35	22.8	18.5	15.7	17.8	64	1017.1	190	1	6	30	20
21	16.5	14.7	13.3	15.3	82	1016.0	300	2	6	30	23.8	18.2	14.4	16.4	56	1016.7	200	5	2	45	21
22	17.0	15.8	14.9	17.0	88	1016.1	280	6	0	35	25.8	18.1	12.6	14.6	44	1015.4	300	8	0	30	22
23	15.5	14.3	13.4	15.3	87	1014.1	–	0	1	40	24.1	20.4	18.3	21.0	70	1015.6	240	7	3	25	23
24	17.8	16.2	15.1	17.1	84	1015.4	260	1	2	35	24.5	20.8	18.7	21.6	70	1016.7	170	5	0	35	24
25	22.3	20.8	20.0	23.4	87	1016.8	130	5	6	30	25.1	20.7	18.2	20.9	66	1017.0	130	10	3	40	25
26	20.0	18.3	17.3	19.7	84	1015.3	090	1	0	35	24.8	21.8	20.2	23.8	76	1017.0	170	3	0	30	26
27	18.1	15.3	13.2	15.1	73	1015.5	350	2	1	40	26.9	20.7	17.1	19.5	55	1016.6	190	2	0	45	27
28	18.9	17.8	17.1	19.5	89	1015.9	020	1	2	35	25.8	22.1	20.2	23.7	71	1017.3	170	4	4	40	28
29																					29
30																					30
Avg.	18.1	16.8	15.9	18.2	88	1015.5	–	3	2	32	25.0	19.7	16.7	19.3	64	1016.0	–	6	3	35	Avg.

* Values obtained from recording instruments.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: February Year: 1963
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.

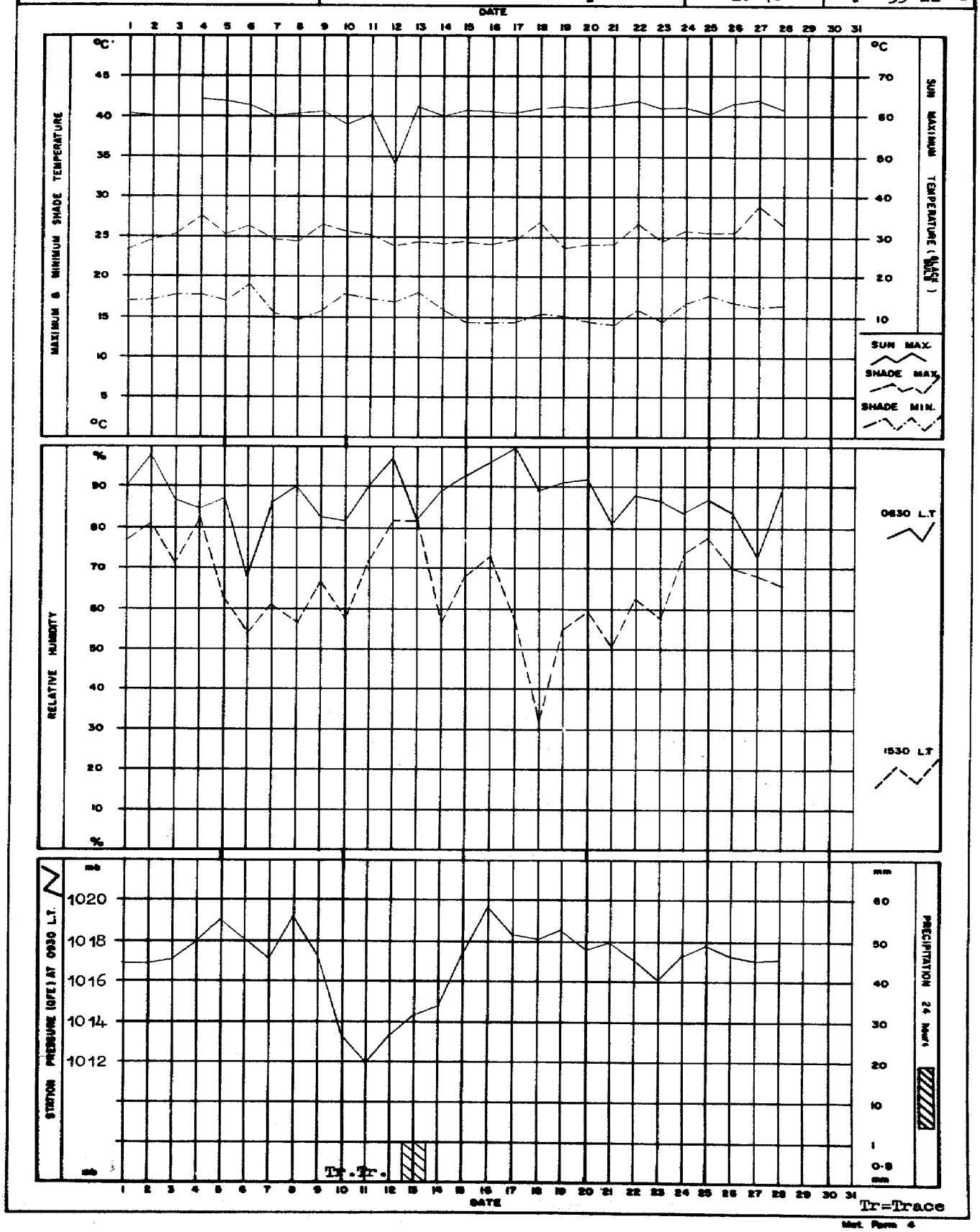
Observations at 1830										See Temperature at 0930	Extreme Temperature				Max. Wind		24 hour Rainfall (1830-1830)	Remarks	Date
Shade Temperature	Wet Bulb Temperature	Humidity: Dew Point Temperature	Humidity: Vapour Pressure	Humidity: Relative Humidity	Station Pressure (QFE)	Wind: Direction	Wind: Velocity	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		
20.4	18.7	17.7	20.2	84	1015.2	180	2	5	15	23.2	23.5	17.0		60.7			0	Cloudy	1
21.6	19.8	18.8	21.7	85	1015.7	260	1	5	30	23.3	24.6	17.3		60.1	180	9	0	P.Cloudy	2
21.8	19.2	17.7	20.2	77	1015.7	300	6	5	20	23.0	25.2	17.8			130	14	0	Cloudy	3
22.5	20.6	19.6	22.7	84	1017.5	180	1	5	25	23.2	27.4	17.7		64.5	160	17	0	Cloudy	4
22.4	19.2	17.3	19.7	73	1016.9	280	6	5	20	22.9	25.2	17.2		63.9	310	12	0	P.Cloudy	5
20.4	16.5	13.7	15.6	65	1016.8	270	8	5	40	22.4	26.5	18.9		62.8	300	22	0	"	6
20.4	16.9	14.4	16.4	68	1016.7	260	4	0	30	21.8	24.7	15.8		60.2	340	16	0	Fair	7
20.4	17.4	15.3	17.4	72	1017.2	310	1	4	30	22.7	24.6	14.8		60.5	210	9	0	P.Cloudy	8
22.2	18.8	16.7	19.0	71	1014.7	220	3	5	30	23.2	26.5	15.7		61.4	280	10	0	Fair	9
23.4	20.2	18.4	21.1	73	1009.1	100	16	8	30	23.4	25.7	17.9		58.4	120	28	Tr.	Rain	10
21.4	19.8	19.0	21.8	86	1011.8	300	7	1	15	22.7	25.2	17.4		60.4	300	14	Tr.	Fair	11
23.1	19.3	17.0	19.3	69	1011.1	110	8	7	20	22.7	24.0	17.0		48.7	120	19	0	Cloudy	12
20.6	18.7	17.6	20.1	83	1012.5	270	6	4	20	22.6	24.4	18.1		62.4	360	21	1.0	Rain	13
20.3	18.2	16.9	19.2	81	1013.7	290	18	1	20	22.5	24.3	16.1		60.2	290	32	0	Fair	14
20.6	18.4	17.1	19.4	80	1017.4	250	2	0	20	21.9	24.4	14.5		61.5	320	22	0	Clear	15
20.7	18.6	17.3	19.7	81	1017.9	260	3	1	30	23.4	24.2	14.4		61.3	280	11	0	Fair	16
20.9	16.0	12.3	14.3	58	1015.9	270	10	2	30	23.2	24.9	14.5		61.0	240	15	0	"	17
22.6	17.8	14.5	16.5	60	1015.6	270	14	3	35	23.1	26.9	15.5		62.1	290	25	0	"	18
20.7	16.8	14.1	16.0	65	1016.6	270	5	0	20	22.7	24.0	15.0		62.6	280	13	0	"	19
20.1	15.9	12.7	14.7	62	1015.3	280	1	2	30	23.0	24.2	14.6		62.3	250	12	0	P.Cloudy	20
20.7	16.4	13.2	15.2	62	1015.6	270	5	0	35	23.0	24.2	14.2		62.8	230	11	0	"	21
21.6	18.3	16.2	18.4	71	1014.5	270	8	0	30	23.2	26.6	16.1		63.8	250	18	0	Clear	22
21.8	17.1	13.8	15.7	60	1014.4	270	2	1	20	22.3	24.8	14.8		62.0			0	Fair	23
22.5	19.8	18.2	20.9	77	1016.1	190	1	0	35	23.6	25.9	16.7		62.1			0	"	24
22.6	21.3	20.7	24.3	89	1016.3	120	4	5	20	23.4	25.8	17.8		60.4	150	8	0	P.Cloudy	25
23.7	20.8	19.2	22.2	76	1016.0	180	3	1	35	23.8	25.7	16.9		63.0	150	18	0	Fair	26
23.6	19.1	16.3	18.5	63	1015.8	250	5	0	25	23.7	28.8	16.4		64.0	220	12	0	Clear	27
23.4	20.4	18.7	21.6	75	1015.9	300	1	2	35	23.6	26.6	16.6		61.8	140	20	0	P.Cloudy	28
																			29
																			30
20.9	15.0	16.7	19.7	73	1015.3	–	5	3	27										Av.

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

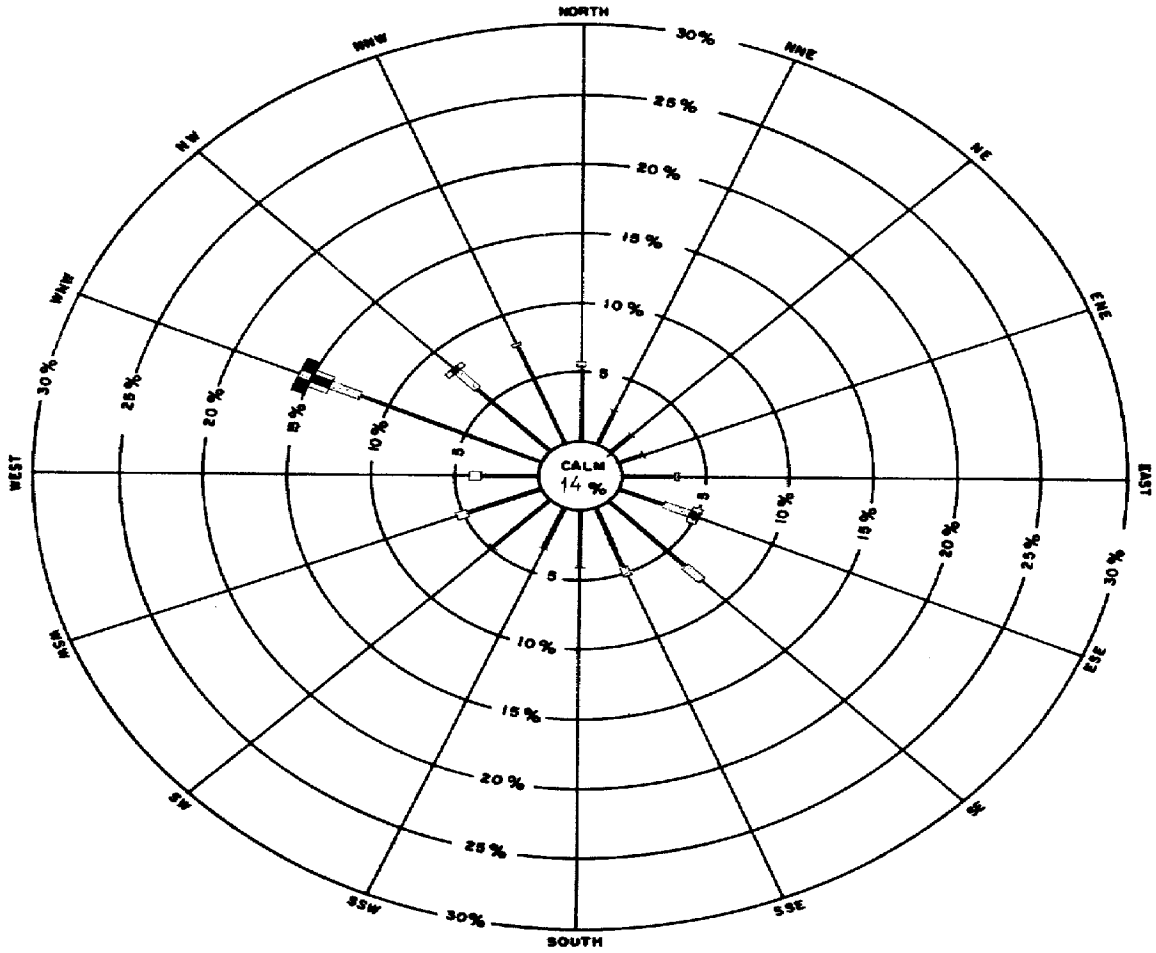
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: February	Year: 1963
		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



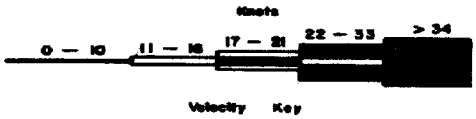
Met. Form 4

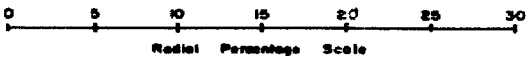
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 672

Hours recorded 663





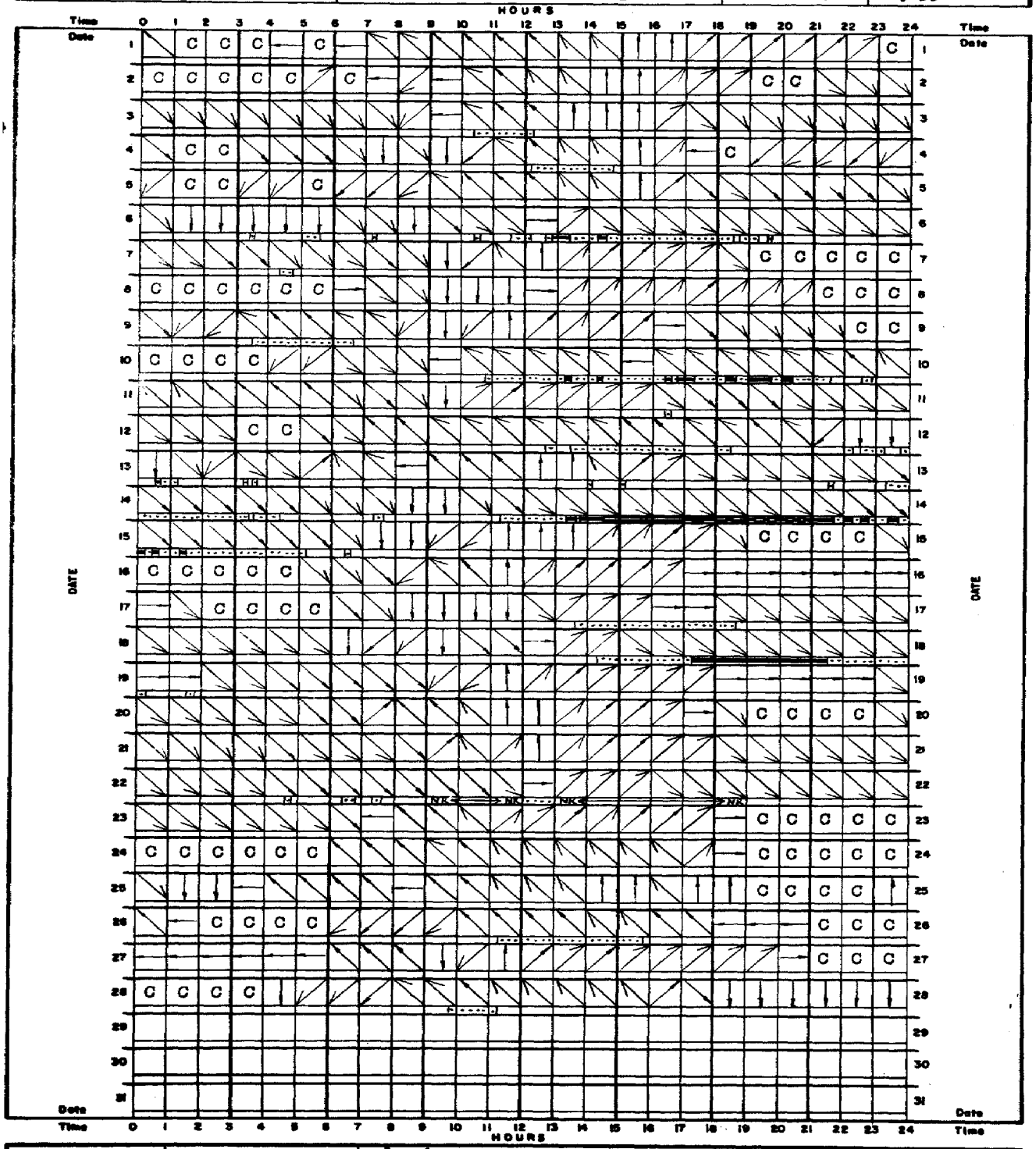
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

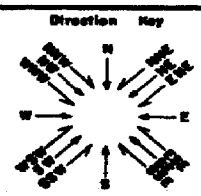
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: February	Year: 1963
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48'N.	Long: 53°22' E



Velocity Key

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

Direction Key

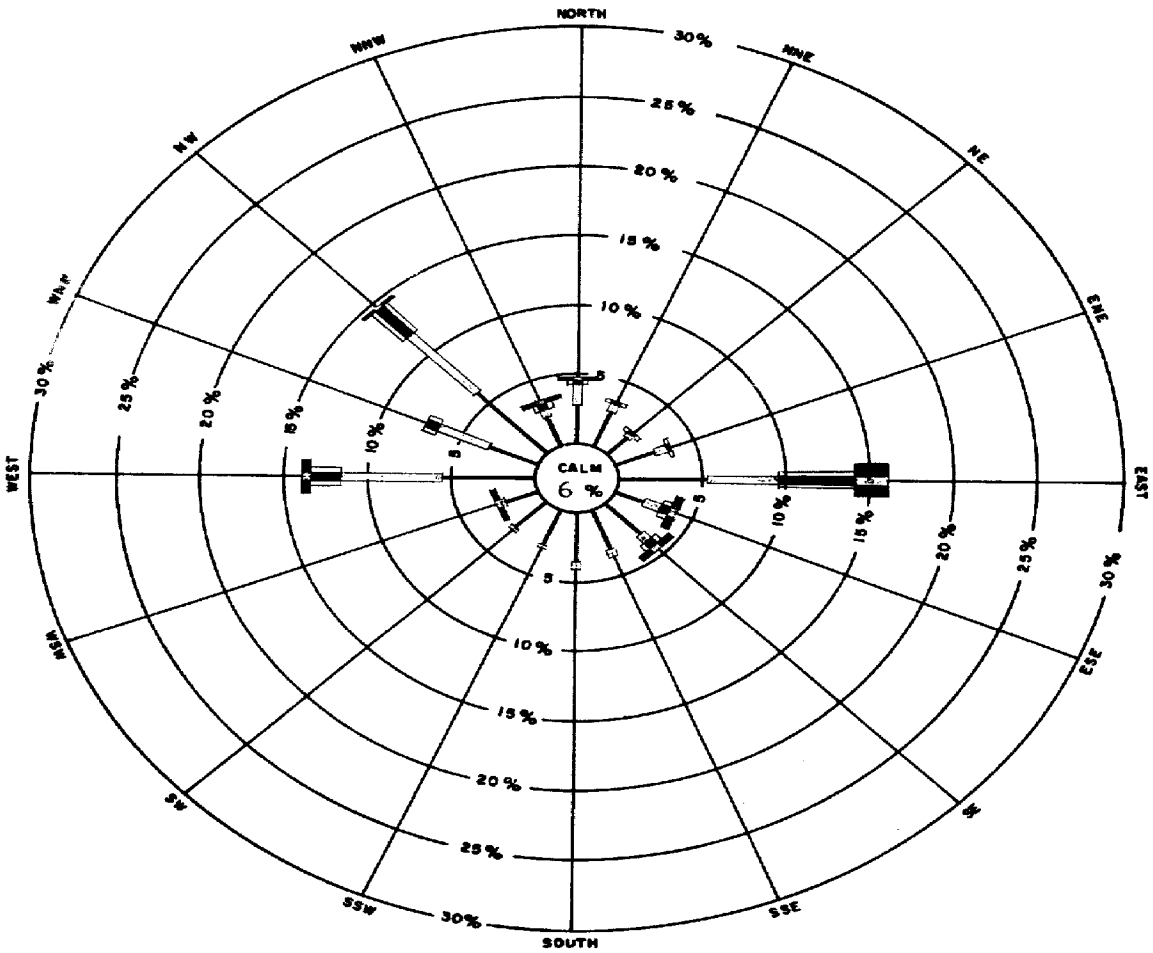


Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

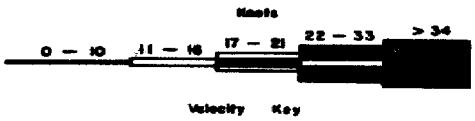
Met Form 4

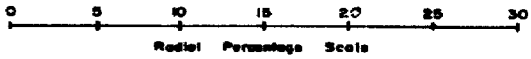
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: February	Year: 1963
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00 N.	Long: 49°02' E



Hours in month 672

Hours recorded 639





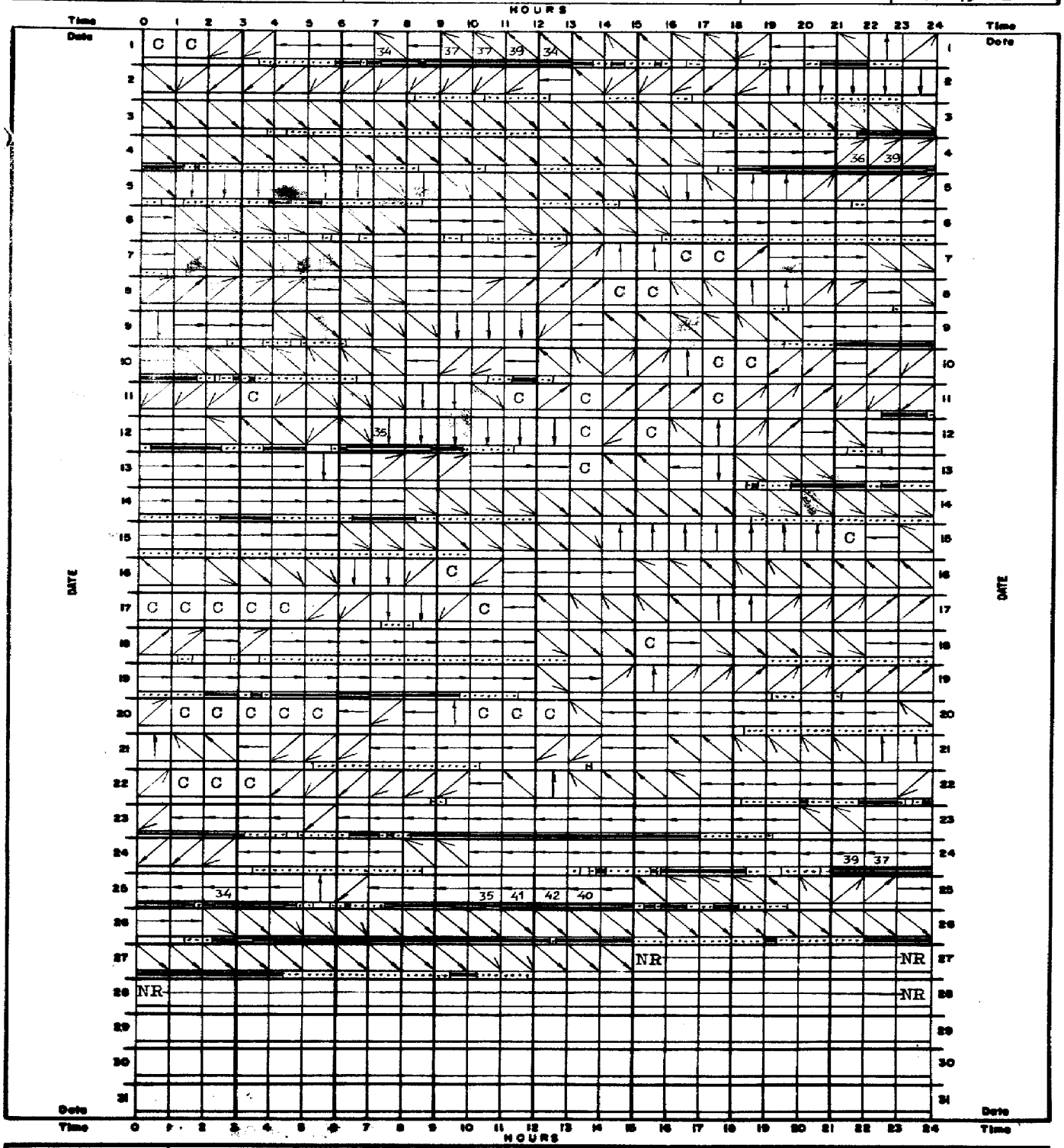
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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 B

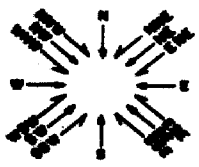
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: February	Year: 1963
	DINES ANEMOGRAPH	Station: Khor Musa.	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



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

MEAN SEA LEVEL PRESSURE (QFF).

Date	Masjid-I-Sulaiman			Haft Kel			Agha Jari			Gach Saran		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1013.8	1013.9	1014.5	1016.0	1016.7*	1016.7	1014.7	1013.5	1015.7	1013.8	1013.0	1014.5
2	1015.9	1016.1	1016.9	1017.2	1018.5	1017.8	1016.4	1016.9	1017.1	1014.7	1015.0	1016.5
3	1018.1	1017.7	1017.0	1018.9	1019.4	1019.5	1018.7	1018.3	1017.5	1017.1	1015.6	1015.6
4	1015.8	1018.2	1018.0	1020.9	1020.5	1020.6	1019.8	1019.6	1019.3	1018.4	1016.5	1016.9
5	1021.2	1021.0	1019.5	1022.5	1024.1	1022.2	1021.9	1022.3	1020.6	1018.4	1018.3	1018.8
6	1019.0	1019.8	1018.4	1022.3	1021.9	1020.9	1021.0	1021.7	1019.0	1018.4	1017.0	1016.9
7	1018.3	1018.1	1017.2	1019.5	1019.9	1019.2	1019.7	1019.9	1018.6	1017.5	1015.6	1016.9
8	1018.9	1018.9	1018.1	1019.9	1020.7*	1019.8	1020.2	1020.7	1020.1	1017.8	1016.8	1017.9
9	1018.2	1016.9	1014.2	1020.2	1020.1	1016.8	1018.5	1017.7	1016.3	1015.5	1015.5	1015.2
10	1011.2	1010.8	1011.7	1014.5	1014.1	1013.6	1012.8	1012.3	1011.1	1012.4	1011.0	1009.5
11	1012.9	1012.0	1012.3	1015.4	1013.7	1013.4	1013.7	1013.1	1012.9	1011.9	1010.6	1010.9
12	1014.1	1012.8	1012.1	1015.4	1013.8	1013.3	1014.4	1013.0	1012.3	1009.6	1010.1	1010.4
13	1015.0	1015.8	1015.6	1016.0	1018.6	1017.6	1015.6	1016.7	1016.2	1012.4	1012.6	1012.6
14	1016.8	1017.9	1017.0	1018.7	1019.3	1019.2	1017.5	1018.5	1017.9	1014.5	1014.3	1015.0
15	1019.3	1018.5	1017.9	1020.3	1020.3*	1019.4	1020.0	1019.8	1019.0	1017.7	1016.0	1017.0
16	1018.6	1019.5	1017.8	1021.3	1022.7*	1020.0	1020.1	1020.6	1018.8	1018.2	1017.2	1016.9
17	1019.0	1017.7	1016.4	1019.7	1021.3	1018.0	1020.0	1019.3	1017.2	1017.8	1016.5	1015.1
18	1018.0	1018.1	1017.8	1019.9	1019.7	1019.1	1019.0	1019.9	1018.4	1016.9	1015.9	1016.0
19	1018.1	1017.9	1016.8	1020.0	1019.6	1019.8	1019.3	1019.9	1018.1	1016.8	1015.5	1016.0
20	1014.2	1016.8	1014.1	1018.6	1018.2	1016.6	1017.4	1018.1	1014.9	1015.1	1014.7	1013.8
21	1017.0	1017.5	1016.2	1019.6	1020.0	1018.5	1018.2	1018.5	1016.7	1015.0	1016.1	1014.5
22	1017.1	1016.4	1013.8	1018.3	1019.6*	1016.5	1018.1	1017.2	1015.1	1017.0	1014.9	1013.8
23	1013.8	1012.7	1011.7	1014.7	1013.6	1013.9	1013.8	1013.1	1012.5	1012.6	1012.8	1011.6
24	1013.3	1014.1	1011.6	1015.2	1016.2	1014.5	1013.9	1015.4	1012.6	1013.2	1013.3	1014.7
25	1014.3	1013.2	1011.2	1018.2	1015.1	1013.2	1016.8	1014.8	1013.3	1014.0	1015.1	1012.0
26	1015.8	1016.8	1016.1	1017.6	1019.7*	1018.9	1015.6	1017.6	1016.7	1012.0	1014.6	1013.9
27	1016.5	1017.1	1014.3	1018.6	1018.0	1016.0	1017.6	1017.4	1014.9	1015.9	1014.5	1014.1
28	1015.1	1013.9	1014.5	1015.7	1016.0	1016.1	1014.8	1016.1	1016.1	1014.1	1014.5	1013.6
Av.	1016.5	1015.7	1015.4	1018.4	1018.6	1017.5	1017.5	1017.6	1016.4	1015.3	1014.8	1014.6

Date	Kut Abdullah			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1013.5*	1013.1*	1014.8	1014.8	1014.7	1015.0	1014.7	1013.7	1013.9	1015.7	1015.5	1015.6
2	1015.2	1015.9	1016.7	1015.2	1015.4	1016.1	1014.5	1015.2	1015.8	1014.9	1015.6	1016.1
3	1017.9	1018.1	1017.6	1017.8	1017.8	1017.0	1016.1	1016.8	1016.0	1015.4	1016.0	1016.1
4	1019.3	1019.3	1018.6	1018.7	1018.6	1018.4	1017.5	1017.6	1017.0	1017.6	1017.1	1017.9
5	1022.0	1021.8	1020.3	1021.4	1021.5	1020.0	1019.7	1020.7	1019.7	1017.9	1018.0	1017.3
6	1020.3	1020.2	1020.0	1020.3	1020.4	1018.7	1019.4	1019.9	1018.1	1017.1	1017.4	1017.2
7	1019.0	1019.2	1018.1	1019.2	1019.0	1017.5	1018.2	1018.7	1017.9	1016.2	1017.0	1017.1
8	1019.3*	1020.3*	1018.8	1018.9	1020.2	1018.8	1018.5	1020.3	1019.0	1015.0	1018.7	1017.6
9	1018.4	1016.9	1013.5	1017.7	1016.5	1015.1	1017.4	1016.5	1015.5	1016.7	1015.7	1015.1
10	1010.8	1011.8	1010.4	1011.9	1011.6	1010.0	1013.2	1011.7	1009.5	1014.0	1012.0	1009.5
11	1012.9	1013.1	1013.7	1012.6	1012.5	1012.1	1011.9	1012.4	1012.2	1010.9	1011.9	1012.2
12	1013.2	1012.5	1011.9	1013.0	1011.7	1011.4	1010.4	1011.6	1011.1	1012.6	1013.0	1011.5
13	1015.3	1015.8	1015.3	1014.8	1015.8	1015.0	1014.5	1015.5	1015.0	1013.0	1014.0	1012.9
14	1017.5	1018.5	1017.7*	1017.1	1017.8	1017.0	1016.0	1017.5	1016.7	1013.5	1014.5	1014.1
15	1019.8	1018.8	1018.6	1019.4	1019.7	1017.8	1018.4	1018.5	1018.2	1016.1	1017.4	1017.8
16	1019.6	1019.3	1018.1	1019.2	1019.4	1017.6	1018.6	1019.6	1018.2	1018.9	1018.7	1018.3
17	1019.4	1018.8	1016.3	1018.1	1018.7	1016.3	1018.6	1018.5	1016.4	1017.7	1017.3	1016.3
18	1018.4	1019.2	1018.2	1018.3	1019.0	1017.3	1018.0	1019.0	1017.5	1016.9	1016.9	1016.0
19	1018.8	1018.8	1017.1	1018.8	1018.6	1016.8	1018.4	1019.1	1017.7	1017.3	1018.0	1017.0
20	1016.4	1017.4	1014.0	1016.3	1017.4	1013.9	1016.3	1017.3	1014.6	1017.0	1017.5	1015.7
21	1016.4	1018.0	1016.0	1016.5	1017.4	1015.6	1016.8	1017.4	1016.0	1016.4	1017.1	1016.0
22	1017.7	1017.0	1013.4	1017.1	1016.6	1013.6	1017.1	1016.7	1014.7	1016.5	1015.8	1014.9
23	1012.3	1012.7	1011.7	1012.4	1012.0	1011.1	1013.7	1013.8	1011.8	1014.5	1016.0	1014.8
24	1013.4	1014.3	1012.0	1012.8	1013.9	1013.5	1013.5	1014.6	1014.2	1015.8	1017.1	1016.5
25	1011.7	1011.4	1012.6	1014.6	1013.6	1011.6	1015.8	1015.7	1012.8	1017.2	1017.4	1016.7
26	1014.6	1015.5	1016.6	1015.5	1016.7	1015.8	1013.7	1016.0	1015.1	1015.7	1017.4	1016.4
27	1017.5	1017.1	1013.2	1016.8	1016.3	1013.8	1015.8	1016.3	1014.5	1015.9	1017.0	1016.2
28	1012.8	1014.6	1014.6	1013.9	1014.8	1014.5	1015.0	1016.0	1014.8	1016.3	1017.7	1016.3
Av.	1016.5	1016.8	1015.7	1016.5	1016.8	1015.5	1016.1	1016.7	1015.5	1015.8	1016.3	1015.7

* Values obtained from barographs.

APR 20 1964

Meta

IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

METEOROLOGICAL OBSERVATIONS

FOR

MARCH

1963

ATch #1

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86.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.

WEATHER BULLETIN

March 1963

The Iranian Oil Exploration and Producing Companies' Weather Reporting Stations are controlled by Air Services HQ, Masjid-i-Sulaiman. The technical work is supervised by a meteorologist from International Meteorological Consultant Services, London. The instruments and observation procedures used are according to international regulations. The stations are manned by specially trained Meteorological Observers.

The units used in this bulletin are those recommended by World Meteorological Organization. For the benefit of those who want to use other units, the necessary converions factors were given in the January 1963 bulletin.

CONTENTS.

The following stations are included in this bulletin.

Station	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	31°59' N	49°16' E	362 m.	5
Agha Jari (Ummidieh airport) 1)	40 833	30°44' N	49°40' E	29 m.	10
Gach Saran (Du Gombadan airport) 1)	40 835	30°20' N	50°50' E	709 m.	15
Ahwaz (Airport) 2)	-	30°20' N	48°45' E	20 m.	18
Abadan (IOE&PC airport) 2)	-	30°22' N	48°13' E	3 m.	21
Bandar Mashur (Marine Department) 3)	40 832	30°30' N	49°12' E*	3 m.	24
Kharg Island (Airport) 1)	40 845	29°16' N	50°20' E	3 m.	29
Sheikh Shu'aib (Decca Navigator Stn.) 3)	40 882	26°48' N	53°22' E	2 m.	34
Khor Musa (Instrument platform) 4)	-	30°00' N	49°02' E	6 m.	39

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

* Wind recording at 30°33' N 49°09' E

REMARKS.

On the 1st of March, a new Weather Reporting Station was opened at Ahwaz new airport. On the same day the stations at Kut Abdullah and Haft Kel were closed.

Met. Form 2.

Maximum and Minimum Temperature.

Measured in a thermometer screen about 135 cm above ground. A standard mercury maximum and a standard spirit minimum thermometer are used.

The average temperature of the month can roughly be obtained by taking the mean of the average maximum and the average minimum thermometers.

Ground Minimum Temperature.

Measured by a standard spirit minimum thermometer exposed at about 2 cm above ground.

Sun Maximum Temperature.

Measured by a mercury black bulb thermometer in vacuum. The maximum intensity of the solar radiation is measured in expressed in °C. The thermometer is exposed at a height of about 135 cm above ground.

Humidity.

Measured by a "dry and wet" bulb thermometer system (unventilated) in a thermometer screen at a height of approximately 135 cm above ground.

The Daily Average is calculated from the observations at 0630, 1230 and 1830 local time.

Vapour Pressure is the partial pressure of the water vapour gas in the atmosphere.

Dew Point Depression is the difference between the shade temperature and the dew point temperature (at which condensation takes place if the air is cooled to that temperature)

During the greater part of the year, the minimum relative humidity occurs, as an average at about 1530, and the maximum relative humidity at about 0630 local time. However, there can be great variations from this rule, particularly in wintertime.

Station Pressure.

The barometer reading reduced to 0°C, standard gravity and station level. Measured by a Kew type station barometer.

Rainfall.

Measured by 8" rain gauge, the top of which is approximately 70 cm above ground.

1 mm rainfall is equal to an amount of 1 kg (1 litre) of water per square meter of level ground.

Wind.
The stations at Masjid-i-Sulaiman, Agha Jari, Bandar Mashur, Kharg Island, Sheikh Shu'aib, and Khor Musa are equipped with Dines Pressure Tube Ahemographs. The other stations have cup generator anemometers and/or portable anemometers.

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

Dust.
Includes days with sandstorm or dust suspended in the air if the horizontal visibility has been less than or equal to 1 km.

Thunderstorms.
Includes days with thunderstorm at the station or heard from thestation.

Cloudiness.
The total amount of clouds is expressed in eights of the complete celestial dome.

The Daily Average is calculated from the observations at 0630, 0930, 1230, 1530, and 1830 local time.

Met. Form 3.

See comments under Met. Form 2.

Cloudiness.
x = clouds have not been observed due to fog or dust.

Rainfall.
Tr. = less than 0.1 mm (Trace).

Remarks.
The most important weather phenomena during the day is given. The Code of Remarks at the bottom of the pages is given in terms of increasing importance of weather. As the observers are not on duty during night, generally the weather during the daytime is given. If the observer, however, has observed any weather phenomena during night it is included under Remarks.

Met. Form 5 and 6.

The wind has been recorded with Dines Pressure Tube Ahemograph exposed at approximately 13 m above ground.

WEATHER.

The following table gives the departures from the normal March values of vertain meteorological elements. (+ = higher than normal, - = lower than normal). In the last column has been given the rainfall, in percentage of normal, from the beginning of the winter until 31st March 1963.

	Maximum Temperature °C	Minimum Temperature °C	Sun Maximum Temperature °C	Relative Humidity (average of day) %	Rainfall % of normal	Rainfall Oct 1962-March 1963 % of normal
Masjid-i-Sulaiman	-0.2	-0.3	+5.8	-16	60	40
Agha Jari	-0.5	-3.0		± 0	33	58
Gach Saran	-1.0	-2.2	+6.7		16	35
Abadan	-0.4	-2.1			34	
Bandar Mashur	-1.0	+0.1			41	44
Kharg Island	+0.5	+1.0	+2.5		16	37

T. Bergquist
Meteorologist
IMCOS Ltd.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: March Year: 1963

Local Time: G.M.T. + 3½ hrs

Station	Maximum Wind Velocity: Velocity kts.	Maximum Wind Velocity: Direction degr.	Maximum Wind Velocity: Date	Station Pressure (QFE) at 0930: Monthly Lowest mb	Monthly Lowest Date	Monthly Highest mb	Monthly Highest Date	Monthly Average mb	Rainfall: Maximum in 24 hrs mm	Maximum in 24 hrs Date	Monthly Total mm
Masjid-i-Sulaiman	52	170	16	965.1	16	978.5	22	972.5	18.3	27	32.6
Agha Jari	57	190	16	1005.0	27	1018.8	8	1013.1	4.3	27	9.1
Gach Saran				928.2	27	936.3	22	932.3	4.7	28	13.6
Ahwaz				1004.4	5	1018.6	22	1012.9	4.3	27	4.8
Abadan				1006.5	16	1021.5	8	1015.4	4.3	28	5.7
Bandar Mashur	50	120	16	1007.1	27	1020.9	8	1015.1	8.2	27	10.7
Kharg Island	41	100	27	1007.4	27	1020.7	8	1014.8	1.8	27	2.8
Sheikh Shu'aib	47	290	22	1010.3	28	1016.7	1	1013.8	4.7	28	7.4
Khor Musa	45	300	20								

Station	Humidity: Rel. Hum. 0630 (avr.) %	Rel. Hum. 1530 (avr.) %	Rel. Hum. Daily avr. %	Dew Point Depression at 0930 °C	Vapour Pressure at 0930 mb	Sun Maximum Temperature: Monthly Highest °C	Monthly Highest Date	Monthly Average °C	Sea Temp. Monthly Average °C	Ground Min. Temperature: Monthly Lowest °C	Monthly Lowest Date	Monthly Average °C
Masjid-i-Sulaiman	56	32	42	12.4	9.1	62.0	25	55.2		3.5	21	8.2
Agha Jari	51	20	34	16.4	7.8	75.6	29	64.5		1.6	9	8.7
Gach Saran	60	24	37	14.5	7.3	65.2	25	55.4		-2.3	9	6.4
Ahwaz	58	24	41	12.9	8.8	73.4	25	64.9		0.4	21	8.6
Abadan	67	28	45	11.0	10.7							
Bandar Mashur	68	28	48	9.4	11.1					3.2	9	11.1
Kharg Island	66	49	58	8.8	13.4	64.0	25	57.3		8.0	15	13.6
Sheikh Shu'aib	74	54	64	9.5	16.3	69.2	12	63.1	22.2	7.8	15	12.3
Khor Musa												

Station	Minimum Temperature: Monthly Lowest °C	Monthly Lowest Date	Monthly Average °C	Maxim. Temperature: Monthly Highest °C	Monthly Highest Date	Monthly Average °C
Masjid-i-Sulaiman	5.1	8	10.6	30.5	25	23.3
Agha Jari	3.8	9	10.8	32.5	25	26.4
Gach Saran	-0.6	9	7.8	27.8	25	22.5
Ahwaz	3.3	9	10.1	31.8	25	25.0
Abadan	5.4	9	11.1	29.7	26	25.0
Bandar Mashur	5.0	9	12.1	31.2	24	24.9
Kharg Island	12.0	9	16.0	25.8	5	22.5
Sheikh Shu'aib	13.9	15	17.8	30.2	2	25.9
Khor Musa						

NUMBER OF DAYS WITH

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)
Masjid-i-Sulaiman	3.2	17	7	0	1	1	2	0	4	3	1	0
Agha Jari	3.0	16	7	0	0	0	2	2	4	1	1	0
Gach Saran	3.3	17	8	0	0	0	5	2	7	2	2	0
Ahwaz	2.3	22	4	0	0	1	1	1	2	1	2	0
Abadan	2.7	14	4	0	0	1	2	1	3	0	2	0
Bandar Mashur	3.1	14	5	0	0	1	1	2	4	2	1	1
Kharg Island	2.6	19	6	0	0	0	2	0	2	2	1	0
Sheikh Shu'aib	2.7	16	3	0	0	0	3	0	3	0	1	0
Khor Musa												

Station	Visibility: Horizontal ≥ 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
Masjid-i-Sulaiman	0	12	11	7	1	0	0	0	0	0	0	10	12	0
Agha Jari	11	8	3	8	0	0	0	1	0	0	1	13	17	0
Gach Saran	1	13	13	2	0	1	0	1	0	0	0	10	20	1
Ahwaz	3	16	7	3	0	0	1	1	0	0	0	14	17	0
Abadan	0	10	16	3	0	0	1	1	0	0	0	18	13	0
Bandar Mashur	0	18	11	1	0	0	0	1	0	0	2	29	8	0
Kharg Island	6	16	7	1	0	0	0	0	0	0	0	23	0	0
Sheikh Shu'aib	8	16	5	1	0	0	0	0	0	0	2	29	0	0
Khor Musa														

Station	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	1	24	6	0
Agha Jari	0	0	2	28	1	0
Gach Saran	0	0	0	26	5	0
Ahwaz	0	0	1	28	2	0
Abadan	0	0	0	27	4	0
Bandar Mashur	0	0	0	29	1	0
Kharg Island	0	0	1	27	4	0
Sheikh Shu'aib	0	0	1	30	0	0
Khor Musa						

Met. Form 2

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: March Year: 1963

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°16' 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	16.8	12.5	8.4	11.1	58	975.2	–	0	8	15	23.0	14.0	5.1	8.8	31	975.5	–	0	8	40	1
2	15.2	10.5	5.3	9.0	52	970.9	030	2	7	10	23.5	13.5	2.8	7.5	26	969.6	160	10	5	15	2
3	14.8	10.4	5.7	9.2	55	970.0	–	0	8	20	20.0	12.1	3.4	7.8	33	971.1	240	6	4	40	3
4	11.4	7.1	1.2	6.7	50	971.8	–	0	4	8	23.6	12.2	-2.2	5.1	17	972.0	080	9	6	15	4
5	18.1	11.0	2.7	7.5	36	966.3	150	12	8	12	25.6	12.9	-3.0	4.8	15	966.0	200	25	1	20	5
6	9.0	5.8	1.1	6.7	58	972.6	–	0	1	12	18.0	9.5	-2.2	5.1	25	974.4	240	10	1	40	6
7	10.0	6.9	2.7	7.5	61	975.6	320	2	0	20	16.5	9.4	0.1	6.2	33	976.1	300	6	0	25	7
8	6.0	1.6	-7.2	3.4	36	975.5	–	0	2	2	13.5	5.8	-8.2	3.1	20	976.2	290	4	6	30	8
9	6.0	2.3	-4.4	4.3	46	973.6	–	0	3	5	16.6	7.6	-7.6	3.3	17	974.1	280	8	4	10	9
10	10.8	6.0	-1.2	5.5	43	972.9	–	0	8	20	16.0	8.5	-2.2	5.1	28	973.2	180	4	8	20	10
11	10.0	9.0	8.0	10.7	87	970.6	–	0	1	10	16.1	13.3	10.9	13.1	72	972.1	270	6	1	40	11
12	10.5	9.5	8.6	11.2	88	971.1	–	0	0	20	20.0	14.3	9.3	11.7	50	971.9	310	7	2	30	12
13	11.2	8.1	4.3	8.4	63	971.8	–	0	4	18	20.8	12.3	2.8	7.5	31	972.7	210	10	2	20	13
14	11.7	8.4	4.5	8.5	61	972.3	–	0	0	25	22.5	12.5	1.0	6.6	24	972.6	–	0	0	25	14
15	12.1	8.2	3.3	7.8	55	971.5	–	0	0	20	25.5	13.8	0.7	6.5	20	971.1	160	10	0	40	15
16	18.8	10.3	-0.8	5.7	26	968.6	060	4	8	20	21.2	13.0	4.4	8.4	34	967.0	150	40	x	0.0	16
17	9.4	8.0	6.4	9.6	81	976.4	–	0	0	8	20.6	11.5	0.5	6.3	26	975.7	180	5	0	5	17
18	14.9	9.4	2.7	7.4	44	971.6	–	0	0	15	21.5	12.3	1.7	6.9	27	972.1	–	0	0	15	18
19	14.1	9.0	2.7	7.5	47	967.7	270	2	2	8	21.2	12.8	3.9	8.1	32	967.9	140	20	8	6	19
20	11.3	8.6	5.4	9.0	67	971.4	240	2	2	1.5	18.0	11.4	4.1	8.2	40	974.1	210	5	0	20	20
21	7.8	4.3	-1.2	5.5	52	976.4	–	0	0	3	20.1	11.5	1.2	6.7	28	975.9	300	8	0	15	21
22	10.5	5.6	-1.9	5.2	41	977.0	–	0	1	12	22.5	13.0	2.6	7.4	27	978.2	300	14	0	20	22
23	12.9	8.4	2.8	7.5	50	976.0	–	0	1	18	24.4	14.4	4.5	8.5	28	975.6	–	0	0	18	23
24	12.5	8.0	2.1	7.1	49	972.9	–	0	1	20	26.6	14.5	1.6	6.8	20	973.3	240	8	1	40	24
25	14.1	8.4	0.8	6.5	40	971.2	–	0	2	18	27.6	14.5	-0.1	6.1	16	971.2	170	10	3	20	25
26	22.4	14.0	5.8	9.3	35	968.6	090	20	8	14	24.2	15.5	7.8	10.7	34	970.5	150	15	5	15	26
27	18.0	12.6	7.4	10.3	50	966.8	080	15	7	30	14.8	13.0	11.4	13.5	80	967.4	360	8	8	20	27
28	10.4	9.8	9.2	11.7	93	968.3	–	0	2	15	17.2	15.0	13.3	15.3	78	970.1	270	6	3	15	28
29	12.7	11.8	11.0	13.2	90	970.4	–	0	6	10	22.5	17.0	13.1	15.0	55	970.9	190	5	4	20	29
30	13.8	12.3	11.0	13.2	84	968.6	–	0	1	20	24.8	16.4	9.6	12.0	38	967.8	180	9	7	30	30
31	18.0	12.8	7.8	10.7	52	968.8	100	2	7	20	24.2	16.8	11.1	13.3	44	970.4	180	5	6	5	31
Av.	12.7	8.7	3.7	8.3	56	971.7	–	2	3	14	20.7	12.7	3.3	8.2	34	972.2	–	9	3	22	Av.

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: March Year: 1962

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°39' N Long: 49°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		
20.2	12.0	2.8	7.5	32	972.1	270	2	8	40		25.2	14.7	12.0		270	14	0	Cloudy	1
20.6	11.6	0.6	6.5	27	967.7	300	5	3	25		25.5	13.1	11.6	[illegible]	260	22	0	Haze	2
19.0	11.2	2.1	7.1	32	969.6	–	0	7	30		21.3	13.5	11.0	54.2	250	14	0	Cloudy	3
20.1	11.5	1.2	6.8	29	970.6	–	0	7	30		23.6	10.2	9.2	58.1	080	23	0	Haze	4
20.0	10.4	-2.6	5.0	22	967.1	270	20	0	3		26.3	13.1	12.4	56.4	200	34	Tr.	Rain	5
16.7	8.8	-2.4	5.0	26	974.0	270	6	5	12		20.0	8.2	6.0	53.0	300	20	0	Fair	6
15.0	6.4	-9.5	2.8	16	974.9	250	10	0	50		18.0	9.2	6.3	52.0	270	15	0	Clear	7
13.3	5.9	-7.1	3.4	22	975.2	100	8	4	10		16.3	5.1	4.0	53.8	310	17	0	Haze	8
15.0	7.0	-6.1	3.7	22	973.9	270	3	8	20		18.0	4.5	1.6	54.2	270	19	0	"	9
12.8	10.0	7.0	10.1	68	969.6	350	6	8	16		16.4	9.5	9.0	37.2	230	20	1.0	Rain	10
17.0	13.0	9.3	11.8	61	971.4	260	4	0	40		19.5	8.0	6.0	51.2	280	12	4.3	Mist	11
19.1	12.4	5.5	9.1	41	970.0	270	3	6	30		22.1	9.2	6.4	57.0	270	17	0	Haze	12
19.0	11.0	1.4	6.8	31	971.2	300	5	0	40		22.0	10.1	6.1	56.0	300	13	0	Fair	13
22.0	12.4	1.2	6.8	26	971.0	–	0	0	40		24.5	9.6	6.1	56.2	070	14	0	Clear	14
24.3	13.5	1.7	6.9	23	968.3	–	0	1	40		27.5	10.2	6.1	59.5	170	18	0	"	15
15.8	11.2	6.4	9.7	54	974.5	–	0	2	6		24.6	15.2	12.8	46.0	170	52	Tr.	Rainsh.	16
18.0	10.4	1.0	6.5	32	972.6	270	6	4	20		23.0	8.2	5.7	55.0	260	14	0	Haze	17
21.4	11.6	-0.7	5.8	23	969.8	270	8	0	16		24.3	10.3	6.9	57.0	060	16	0	Clear	18
17.0	12.6	8.5	11.1	57	966.3	060	20	8	6		23.6	13.0	10.0	47.0	140	36	Tr.	Th.storm	19
17.5	10.0	0.4	6.3	31	973.9	–	0	1	30		20.2	10.4	8.5	55.4	290	18	0	Haze	20
19.7	9.8	-4.6	4.2	18	974.7	–	0	0	15		22.0	5.6	3.5	56.0	260	19	0	Haze	21
21.0	12.6	3.2	7.7	31	975.6	300	10	0	20		24.0	8.7	5.7	57.5	300	23	0	Clear	22
24.5	14.0	3.1	7.7	25	972.5	300	6	0	30		27.2	10.6	6.5	59.7	[illegible]		0	"	23
26.0	14.4	2.2	7.2	21	970.4	270	3	2	30		28.4	11.6	7.0	60.2	300	12	0	Fair	24
26.0	14.0	0.6	6.4	19	967.8	120	6	7	20		30.5	12.8	9.7	62.0	150	20	0	P.Cloudy	25
23.4	15.3	8.2	10.9	38	968.6	180	14	6	20		27.0	19.0	12.5	59.2	160	45	Tr.	Th.storm	26
12.0	11.6	11.3	13.4	95	966.8	320	20	8	2		24.0	11.2	14.6	54.0	020	40	18.3	Th.storm	27
17.8	14.5	11.9	14.0	68	969.6	270	4	1	25		19.8	9.0	8.2	54.0	260	13	9.0	Mist	28
22.0	15.4	10.0	12.3	46	969.6	–	0	1	20		23.8	11.6	9.9	59.0	270	14	0	"	29
24.4	15.4	7.4	10.3	34	965.0	170	8	7	6		26.6	12.3	10.0	60.6	140	21	0	Haze	30
22.4	13.5	4.4	8.4	31	969.6	–	0	0	7		25.4	11.7	10.2	58.5	220	17	0	"	31
19.5	11.7	2.5	7.8	36	970.8	–	6	3	22										Av.

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

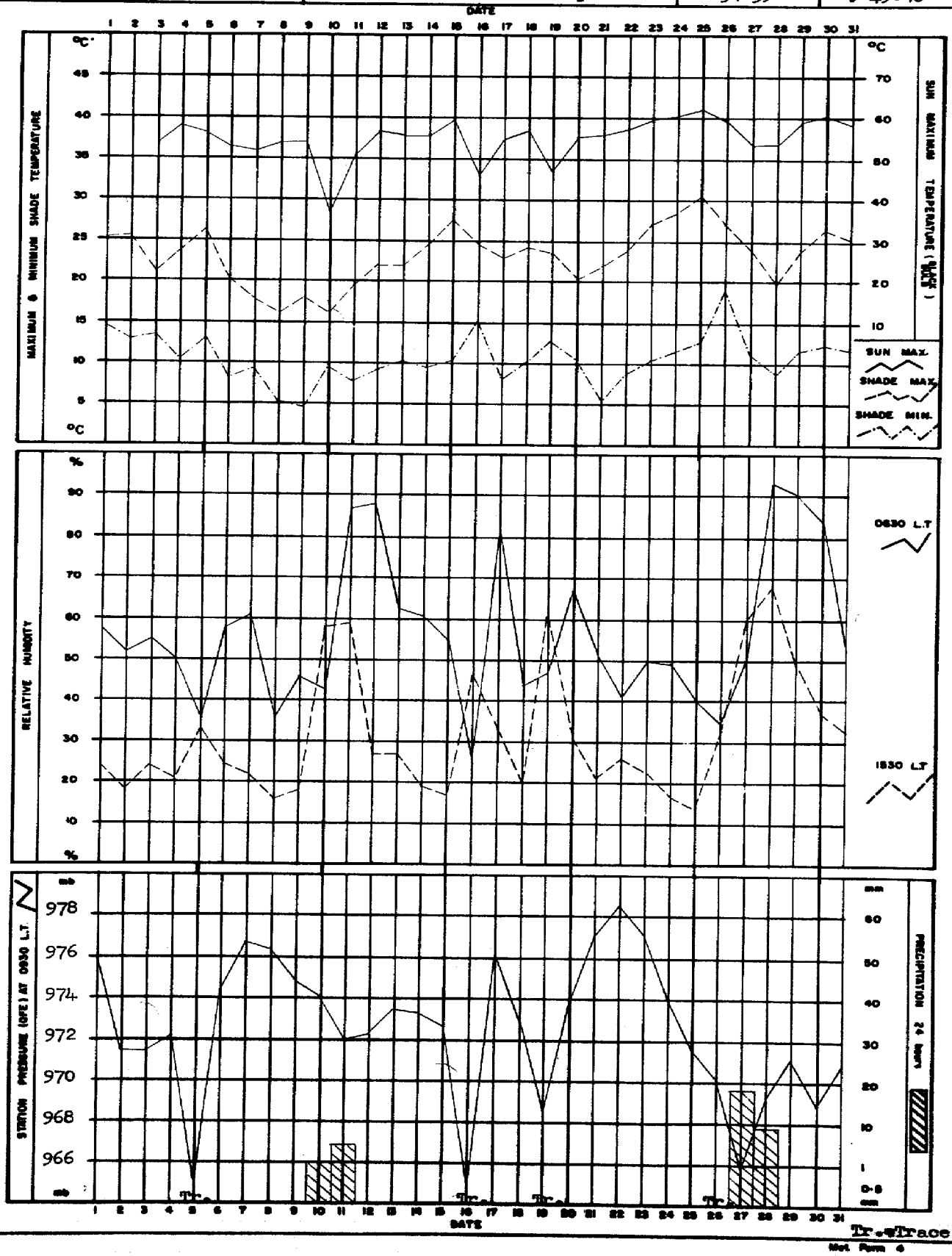
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

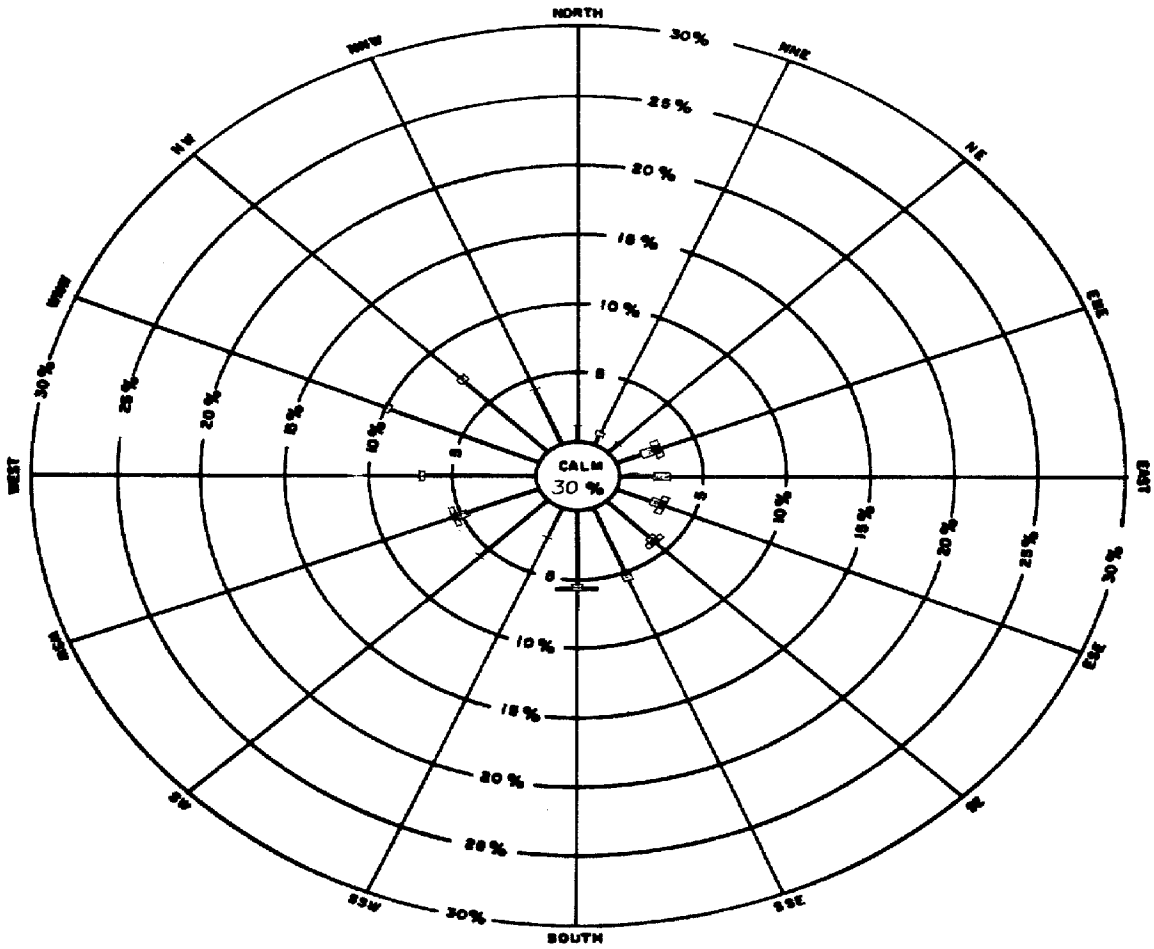
IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Tr. = Trace

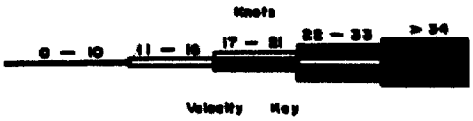
Met. Form 4

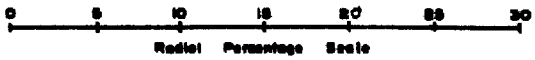
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	Compiled from Wind Records Summary	Station: Madjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Hours in month 744

Hours recorded 744





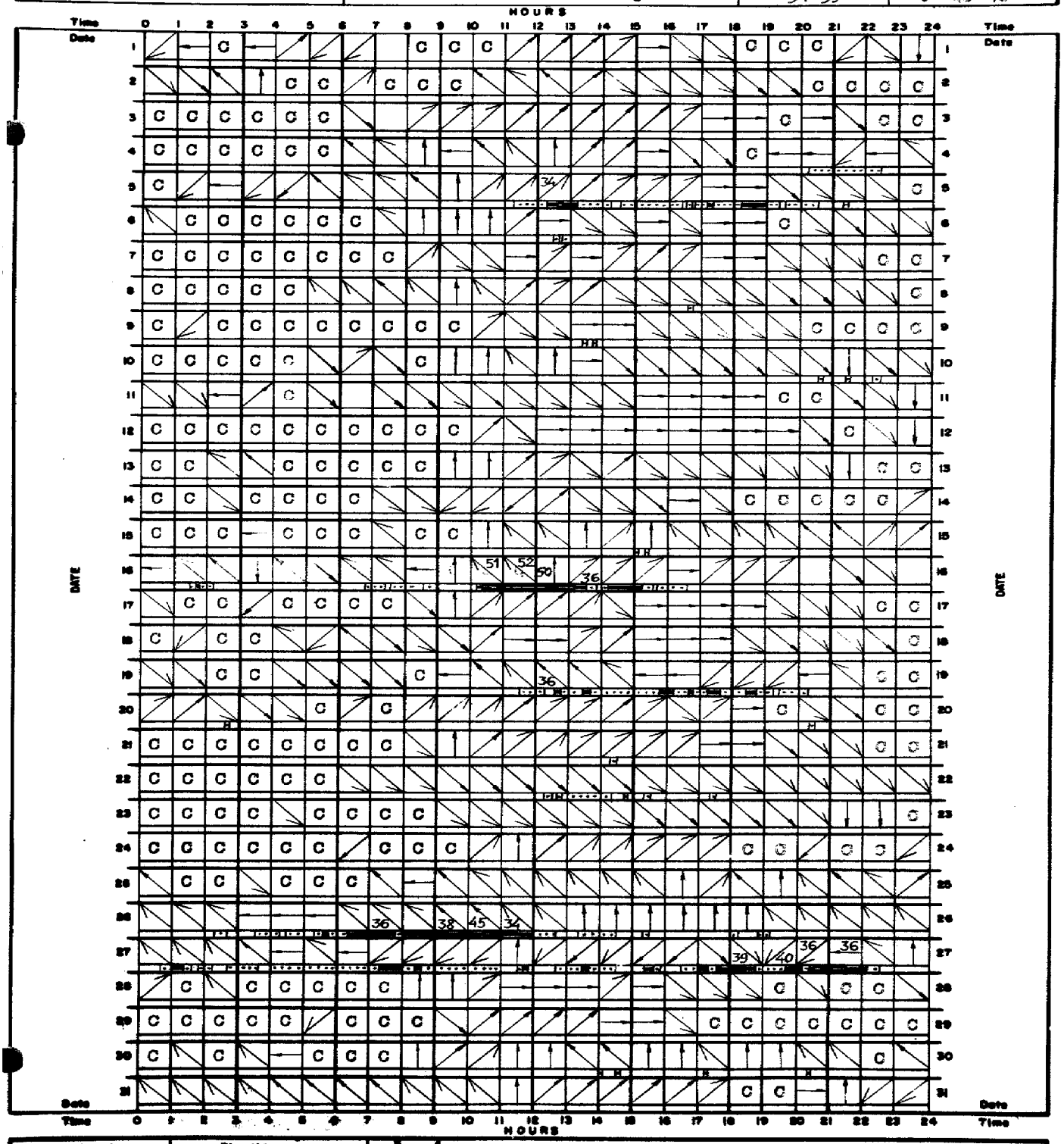
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

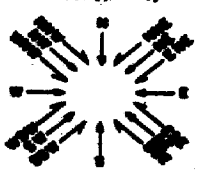
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: March	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49° 16' E



Velocity Key

- 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: March Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 39°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	16.0	11.5	7.0	10.0	55	1014.6	320	3	8	30	26.3	16.1	7.2	10.2	30	1014.8	330	6	5	30	1
2	16.8	12.9	9.4	11.8	62	1010.6	310	6	3	30	28.6	16.5	5.6	9.1	23	1008.9	320	4	3	30	2
3	13.0	8.8	3.6	7.9	53	1010.3	–	0	2	20	24.0	13.2	1.1	6.6	22	1011.2	320	16	5	40	3
4	11.4	7.1	1.1	6.7	50	1012.4	–	0	3	5	25.0	12.1	-5.6	3.8	12	1012.2	–	0	1	15	4
5	18.2	10.3	0.1	6.2	30	1005.6	180	5	7	20	27.0	14.3	0.1	6.2	17	1006.3	180	18	7	30	5
6	11.9	6.8	-0.6	5.8	42	1012.9	320	3	0	20	22.4	10.7	-6.7	3.5	13	1014.5	320	16	1	30	6
7	10.0	5.6	-1.0	5.7	46	1016.0	320	5	1	20	19.8	8.4	-13.7	1.9	8	1017.3	330	16	1	40	7
8	6.1	2.8	-2.8	4.9	52	1018.5	–	0	2	20	15.5	7.8	-3.9	4.4	25	1018.3	340	10	4	30	8
9	4.4	1.3	-4.5	4.2	50	1015.8	–	0	6	30	17.5	8.4	-5.8	3.8	19	1015.5	310	5	4	8	9
10	10.2	5.3	-2.3	5.0	40	1013.6	–	0	8	30	12.6	9.4	5.8	9.2	63	1015.0	–	0	8	30	10
11	9.4	8.0	6.4	9.6	82	1012.1	330	18	5	30	17.4	12.0	6.6	9.8	49	1013.4	330	18	0	40	11
12	8.6	6.5	3.8	7.8	72	1012.2	–	0	0	30	21.0	13.4	5.9	9.3	38	1012.8	300	2	0	30	12
13	10.4	6.1	-0.2	6.0	48	1012.5	–	0	5	30	23.5	13.4	2.4	7.3	26	1012.6	320	5	1	40	13
14	9.0	6.6	3.4	7.9	68	1012.6	–	0	0	30	24.8	14.1	2.8	7.5	24	1013.2	330	12	0	40	14
15	9.3	6.0	1.4	6.8	58	1012.2	–	0	0	40	27.3	13.4	-4.4	4.3	12	1011.1	180	16	0	40	15
16	23.0	10.9	-7.2	3.4	12	1006.3	130	20	8	30	20.5	14.4	9.0	11.5	48	1012.1	180	18	x	0.0	16
17	9.6	7.1	3.9	8.1	68	1016.6	320	3	0	6	22.7	12.8	1.6	6.9	25	1015.8	330	6	0	10	17
18	10.0	5.9	-0.1	6.1	[illegible]	1011.9	–	0	0	30	24.9	12.8	-2.2	5.1	16	1011.6	–	0	0	5	18
19	14.4	8.0	-1.1	5.6	34	1007.8	–	0	4	8	22.2	15.7	10.4	12.7	47	1008.1	–	0	8	2	19
20	10.0	7.9	5.3	9.0	73	1012.3	–	0	0	2	18.4	11.9	4.9	8.7	41	1015.2	320	16	1	30	20
21	6.0	3.0	-1.9	5.3	56	1017.1	–	0	0	6	22.4	9.9	-12.2	2.2	8	1016.7	320	10	0	4	21
22	11.0	5.4	-3.8	4.5	34	1016.6	320	5	0	30	25.6	12.8	-3.8	4.5	14	1017.1	320	17	0	20	22
23	9.7	6.4	1.9	7.1	59	1016.7	–	0	1	30	26.8	14.1	-0.3	6.0	17	1015.5	330	8	1	30	23
24	8.9	4.6	-2.2	5.1	45	1013.0	–	0	2	30	27.5	13.4	-4.6	4.2	11	1013.4	–	0	3	30	24
25	15.4	8.6	-0.7	5.8	33	1011.4	–	0	4	30	30.8	13.8	-12.1	2.2	5	1009.9	140	15	4	30	25
26	24.2	12.9	-0.6	5.9	19	1008.2	120	26	8	20	25.2	15.5	6.7	9.8	31	1010.6	120	34	7	5	26
27	19.8	13.9	8.6	11.2	48	1006.1	080	15	8	30	28.6	16.3	4.9	8.7	22	1003.6	120	15	4	30	27
28	11.6	9.9	8.1	10.8	79	1008.3	–	0	0	30	31.3	14.2	7.8	10.6	42	1009.6	–	0	1	30	28
29	12.2	9.6	6.7	9.9	69	1011.0	–	0	6	30	25.3	16.9	10.3	12.5	39	1011.0	270	2	5	30	29
30	13.8	10.5	7.1	10.1	64	1008.4	–	0	0	30	27.0	17.1	9.2	11.6	33	1008.0	170	11	6	30	30
31	19.6	15.6	12.6	14.6	64	1009.2	130	7	5	15	28.0	17.0	7.8	10.6	28	1009.6	–	0	8	6	31
Avg.	12.4	7.9	2.0	7.3	52	1012.0	–	4	3	24	23.5	13.3	1.2	7.2	26	1012.4	–	10	3	25	Avg.

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: March Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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			Date
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
25.4	14.7	4.0	8.0	25	1011.5	300	7	4	30		29.0	14.9	13.2	70.6	310	17	0	Cloudy	1
26.0	12.9	-4.0	4.4	13	1007.1	300	8	2	20		29.6	14.9	12.1	69.3	300	21	0.8	P.Cloudy	2
22.3	11.6	-2.2	5.0	19	1010.0	300	10	3	40		26.0	11.8	10.6	64.4	310	28	0	"	3
24.5	12.6	-2.2	5.2	17	1010.3	270	4	6	30		26.8	9.9	9.2	65.3	360	15	0	Haze	4
23.9	12.8	-0.6	5.9	20	1007.3	300	17	1	10		28.6	17.2	16.4	63.3	190	32	0	"	5
20.6	10.2	-4.9	4.1	17	1013.9	320	9	4	20		24.1	10.1	9.3	64.2	340	26	0	Fair	6
18.2	7.6	-13.2	2.0	10	1015.8	330	11	0	20		21.5	8.6	7.4	63.2	340	33	0	"	7
16.6	8.2	-4.2	4.2	22	1016.2	320	16	2	15		19.4	4.6	1.6	58.6	330	30	0	P.Cloudy	8
19.1	8.5	-9.9	2.6	12	1014.3	290	7	7	30		20.6	3.8	1.6	55.0	330	12	0	Haze	9
13.9	10.2	6.1	9.5	60	1010.5	330	10	8	30		19.1	9.1	7.2	47.2	330	19	0.6	Rain	10
20.3	13.0	5.6	9.1	38	1011.5	320	10	0	40		21.9	8.8	8.1	59.4	350	27	0	Fair	11
22.9	11.5	-3.9	4.5	16	1010.7	270	9	3	30		25.0	7.9	5.6	63.9	290	18	0	"	12
22.7	12.6	0.8	6.5	24	1010.9	310	17	1	40		25.1	9.9	7.4	55.6	330	24	0	"	13
25.4	13.5	-0.3	6.0	19	1011.0	270	5	0	40		27.4	8.0	5.5	66.4	310	20	0	Clear	14
25.3	12.5	-4.4	4.3	13	1008.1	170	10	0	40		29.8	8.8	6.0	68.3	190	29	0	"	15
19.8	12.6	-5.2	8.9	39	1014.8	310	12	0	3		27.1	15.5	13.7	55.4	[illegible]	[illegible]	0	Sandst.	16
22.4	11.5	-2.8	4.9	18	1012.8	280	6	3	40		25.1	9.2	7.4	63.3	300	19	0	Haze	17
25.0	12.4	-4.4	4.3	14	1008.6	320	8	0	5		29.6	8.6	7.0	68.3	290	15	0	"	18
20.1	15.5	11.9	13.9	59	1005.2	130	11	0	8		25.0	12.4	10.2	48.6	130	30	3.4	Th.storm	19
20.4	10.4	-3.3	4.7	20	1014.4	310	12	1	30		22.5	8.8	7.5	61.7	330	23	0	Haze	20
20.2	9.4	-9.0	3.2	14	1014.5	330	7	0	40		24.8	5.4	3.4	51.1	330	21	0	"	21
23.5	12.2	-1.9	5.2	18	1014.9	320	12	0	20		27.4	9.0	6.9	66.7	350	48	0	Clear	22
27.1	13.6	-2.9	4.8	13	1011.8	320	10	0	30		29.9	8.8	7.5	65.7	320	28	0	Fair	23
28.0	14.2	-1.9	5.3	14	1010.2	–	0	6	40		30.4	8.3	5.6	72.8	300	10	0	P.Cloudy	24
25.9	12.0	-8.8	3.0	9	1007.4	180	21	5	30		32.5	13.3	9.6	74.4	160	31	0	"	25
25.5	15.4	6.0	9.4	29	1008.6	120	22	8	20		28.0	20.4	14.5	64.4	130	46	0	Haze	26
18.4	14.8	11.9	14.0	66	1004.0	320	30	8	4		29.5	15.4	13.5	70.0	290	45	4.3	"	27
23.1	14.0	5.0	8.8	31	1008.7	330	4	1	30		24.9	10.8	8.9	63.9			0	Clear	28
26.4	16.5	8.2	10.9	32	1008.9	350	2	1	30		28.1	11.5	9.9	75.6			0	P.Cloudy	29
24.0	15.0	6.8	9.9	33	1004.4	150	14	6	8		29.8	12.5	10.5	72.1	210	38	0	Haze	30
25.4	18.3	13.3	15.3	47	1009.5	180	10	8	6		29.1	16.4	12.4	70.0	160	28	0	"	31
22.7	12.6	0.0	6.7	25	1010.6	–	11	3	25										Av.

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

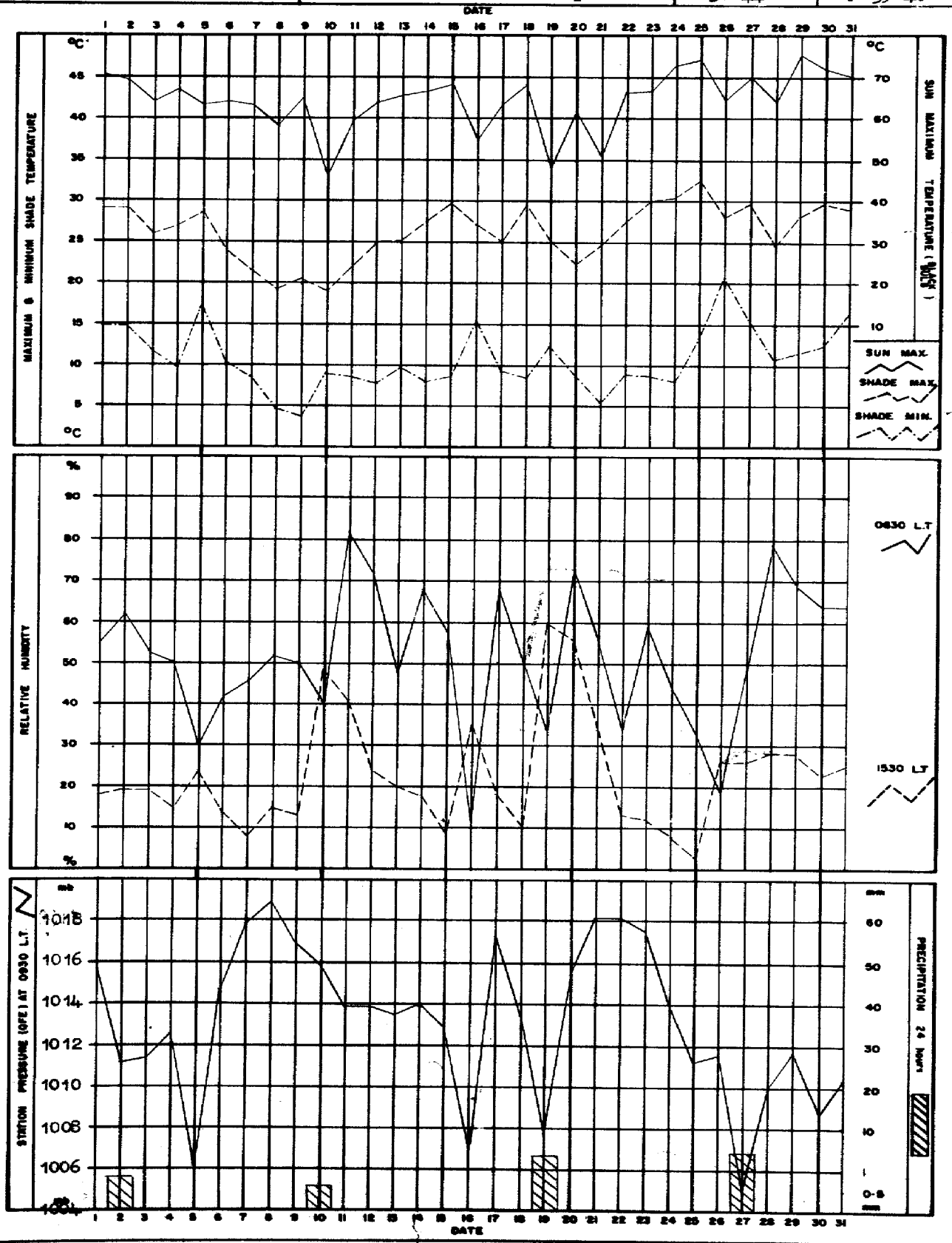
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

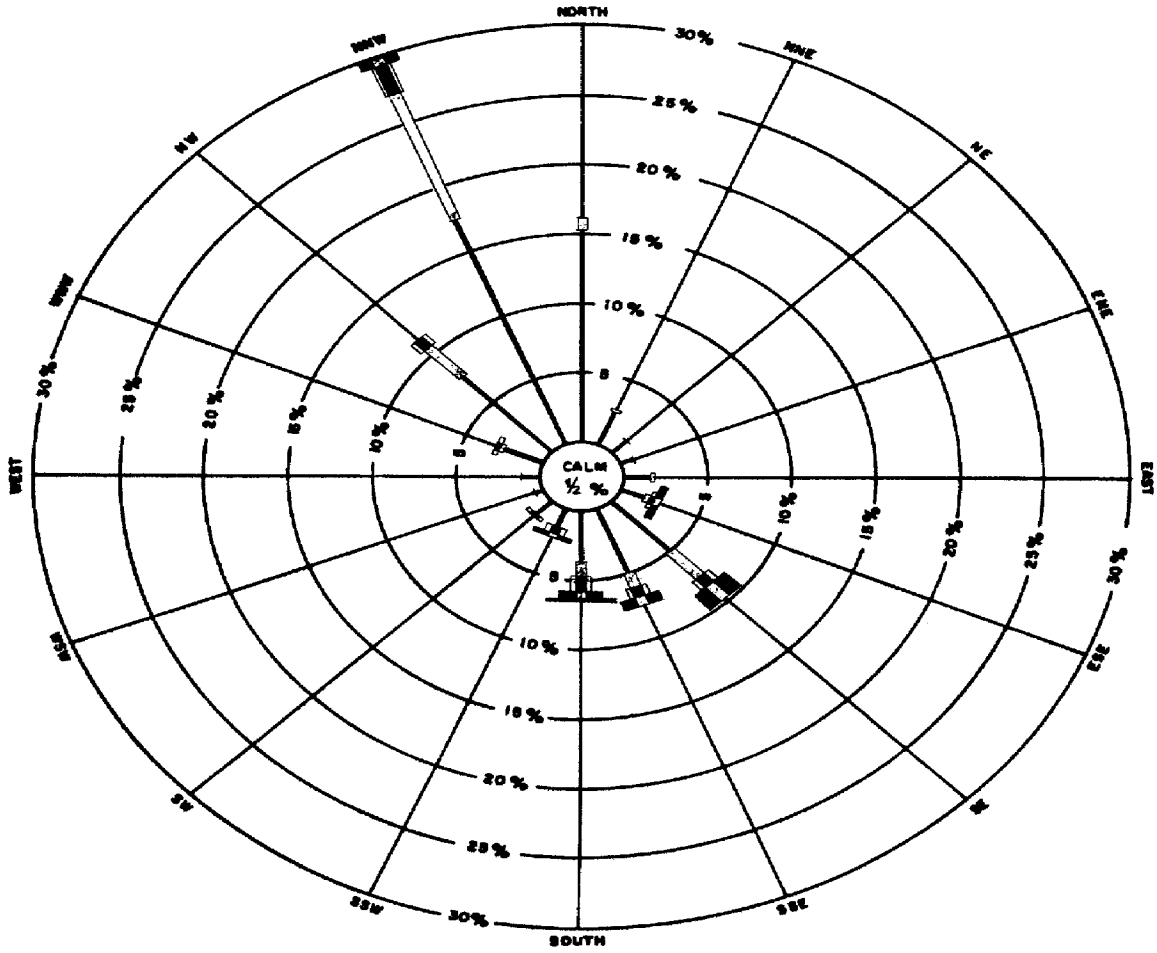
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 39°40' E



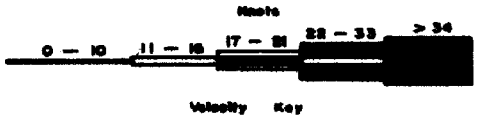
Met. Form 4

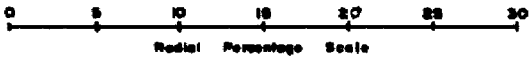
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Hours in month 744

Hours recorded 734





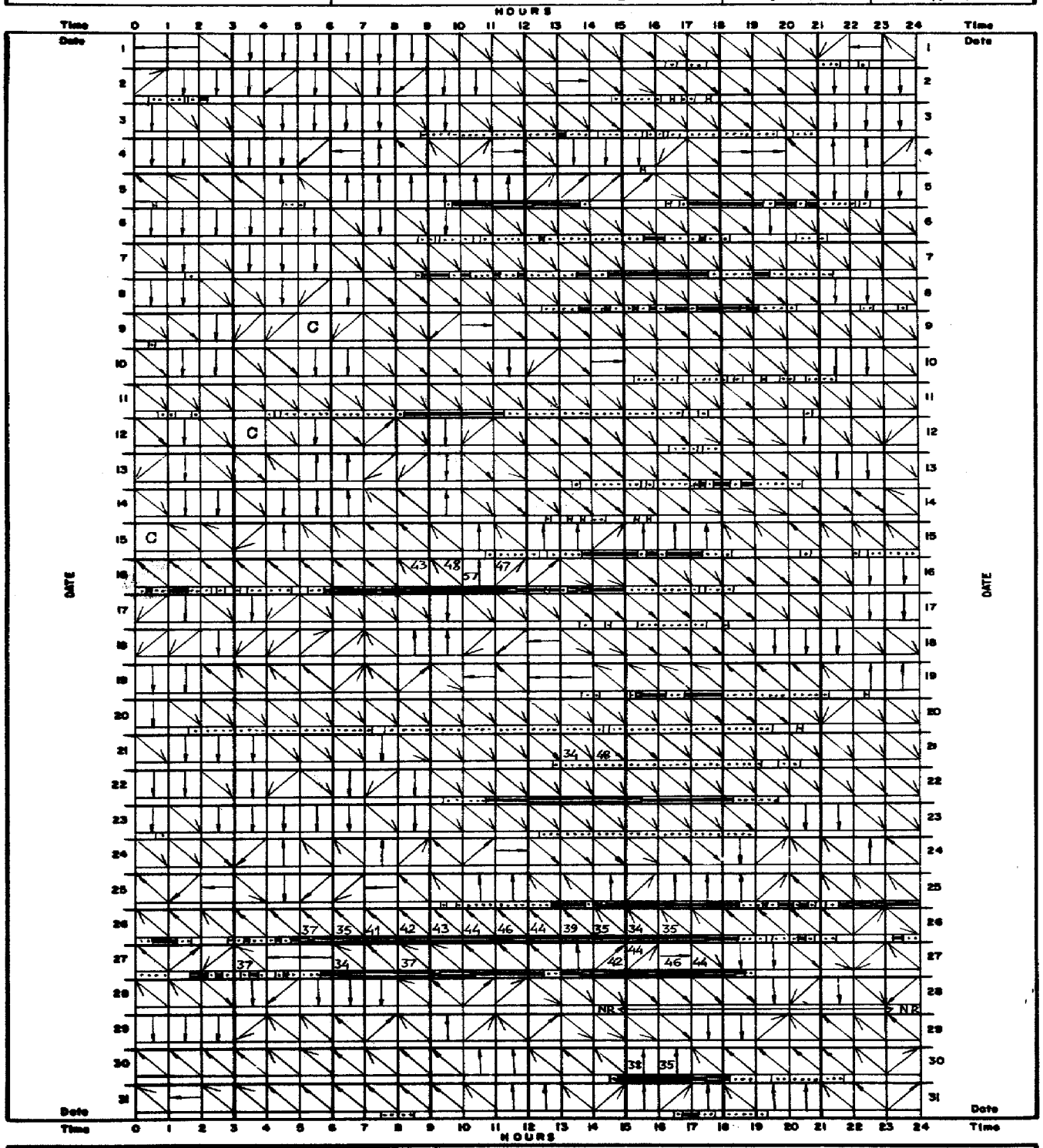
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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 NW, NNW, and N constitute together 57.6% of all cases.

Met. Form 5

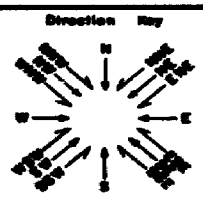
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: March	Year: 1963
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



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: March Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	15.0	10.0	4.3	8.3	49	934.9	–	0	7	25	23.9	12.9	0.0	6.1	20	934.9	170	6	3	25	1
2	14.2	12.0	10.0	12.3	76	930.5	130	8	7	20	22.1	12.5	1.4	6.8	26	929.9	170	14	7	20	2
3	12.4	10.4	8.3	11.0	76	928.6	–	0	7	25	19.7	10.4	-2.0	5.2	23	929.7	250	12	3	14	3
4	5.7	3.0	-1.4	5.4	57	931.2	–	0	1	15	20.4	9.5	-8.0	3.1	13	930.8	250	2	3	20	4
5	15.7	8.1	-3.2	4.7	26	927.7	110	5	7	20	20.1	10.7	-1.7	5.3	23	928.0	140	10	8	20	5
6	6.2	4.4	1.7	6.9	73	930.6	–	0	0	3	19.5	11.6	2.6	7.3	32	931.7	230	8	0	6	6
7	5.1	2.2	-2.9	4.8	55	933.5	–	0	0	12	15.3	7.4	-5.2	4.0	23	933.9	280	10	2	14	7
8	2.8	-0.6	-8.3	3.1	42	933.8	–	0	2	6	14.4	4.7	-22.8	0.8	5	933.3	260	20	2	12	8
9	0.0	-3.0	-13.4	2.2	32	932.1	–	0	2	20	15.4	6.2	-12.3	2.1	12	932.2	–	0	3	20	9
10	7.8	3.9	-2.5	5.0	48	931.4	–	0	8	16	11.8	7.8	2.6	7.4	53	933.5	–	0	8	14	10
11	11.8	11.0	10.3	12.5	91	928.9	–	0	8	15	19.5	11.6	2.6	7.3	32	930.0	240	7	2	20	11
12	5.3	4.4	3.1	7.6	85	930.2	–	0	0	20	19.0	12.5	5.9	9.3	42	930.3	220	8	1	20	12
13	7.8	4.5	-0.6	5.9	56	930.7	–	0	4	20	18.4	9.7	-2.1	5.1	24	930.7	270	18	1	25	13
14	4.7	2.8	-0.3	6.0	70	931.4	–	0	0	25	20.3	10.3	-3.7	4.5	19	932.0	–	0	0	40	14
15	6.6	4.1	0.2	6.2	63	932.3	–	0	0	30	23.8	12.0	-3.3	4.6	16	931.8	120	11	0	30	15
16	15.0	8.0	-2.2	5.1	30	929.2	120	11	8	30	19.5	10.5	-1.2	5.5	24	932.1	180	20	8	12	16
17	9.1	7.1	4.6	8.5	74	933.8	–	0	0	0.7	19.4	10.1	-2.7	4.9	22	934.0	090	6	0	1	17
18	7.0	3.2	-3.3	4.6	46	931.6	–	0	0	4	22.2	10.7	-6.1	3.7	14	931.0	270	5	0	4	18
19	10.9	5.9	-1.8	5.3	41	929.0	–	0	7	7	20.2	11.4	0.7	6.5	27	929.1	100	10	7	5	19
20	11.3	10.7	10.1	12.4	93	930.0	–	0	0	5	18.7	11.6	3.7	8.0	37	932.4	270	10	3	8	20
21	3.9	1.8	-1.8	5.3	66	934.3	–	0	0	16	18.5	9.7	-2.4	5.0	24	934.6	300	4	4	20	21
22	4.0	0.0	-8.9	2.9	36	935.2	–	0	0	25	21.2	9.7	-9.1	2.8	11	934.8	300	20	0	25	22
23	5.7	2.3	-3.7	4.5	49	935.1	–	0	1	16	22.4	11.3	-3.7	4.5	17	934.4	350	5	4	25	23
24	7.5	3.9	-2.1	5.2	50	933.2	–	0	1	20	26.3	11.9	-11.1	2.4	7	932.9	180	10	2	25	24
25	12.0	5.9	-3.9	4.4	32	932.3	–	0	4	20	26.0	12.8	-4.6	4.2	13	931.7	210	5	3	20	25
26	19.0	11.4	2.7	7.4	34	931.8	210	10	8	20	15.4	12.7	10.3	12.6	72	933.3	090	26	7	20	26
27	13.1	11.4	9.7	12.1	81	930.4	130	12	8	8	18.4	13.0	7.9	10.7	51	926.4	120	17	7	20	27
28	7.7	7.4	7.1	10.1	97	927.1	–	0	0	7	16.1	11.1	5.8	9.2	50	927.8	270	10	1	8	28
29	8.4	8.0	7.4	10.4	94	930.2	–	0	6	14	21.0	13.5	6.2	9.5	38	930.7	060	5	4	14	29
30	10.0	9.1	8.1	10.8	88	929.3	–	0	0	15	23.8	14.0	4.1	8.2	28	929.0	100	12	8	20	30
31	14.5	11.1	7.7	10.5	64	929.3	–	0	6	16	24.0	13.7	2.8	7.5	25	930.4	150	15	7	16	31
Avg.	9.0	5.9	1.1	7.1	60	931.6	–	2	3	16	19.9	10.9	-1.5	5.9	27	931.6	–	10	3	18	Avg.

* Values obtained from recording instruments.

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: March Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°50' E.

Observations at 1830										Height of 850 mb AMSL at 15°C Lit.	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
22.4	13.6	4.8	8.6	32	932.0	270	7	1	25		26.2	15.0	13.0	59.0			0	P.Cloudy	1
18.4	15.3	12.9	14.9	70	928.2	320	4	7	10	1404	24.3	13.8	12.3	62.6			1.4	Rain	2
16.4	8.0	-5.1	4.0	22	928.8	270	14	1	20	1400	21.0	10.4	9.0	55.0			0	P.Cloudy	3
19.4	8.7	-9.7	2.7	12	930.6	250	10	5	20	1411	22.7	5.0	4.0	58.7			0	"	4
18.5	13.1	8.1	10.8	51	928.0	110	8	6	18	1403	25.0	13.6	12.6	43.0			0	Cloudy	5
16.8	7.5	-8.8	2.9	15	931.4	270	12	1	20	1421	20.8	5.5	4.6	55.6			0	Haze	6
14.0	5.0	-16.1	1.5	9	932.4	270	10	4	20	1428	18.2	3.8	2.2	53.7			0	Fair	7
11.0	2.6	-32.2	0.3	6	931.8	280	17	3	25	1412	16.4	1.7	0.2	53.8			0	Haze	8
13.6	5.2	-12.2	2.2	14	931.9	240	10	7	15	1408	17.3	-0.6	-2.3	56.0			0	P.Cloudy	9
13.5	11.3	9.2	11.6	75	929.1	020	3	7	20	1401	15.2	5.3	3.8	27.3			0.4	Rain	10
15.4	10.7	5.6	9.1	52	930.1	270	10	1	20	1408	20.9	10.6	8.5	55.6			0.3	P.Cloudy	11
17.4	10.3	1.5	6.9	35	929.3	260	10	1	20	1404	21.5	4.8	3.7	52.2			0	Fair	12
16.4	8.6	-2.7	4.9	26	929.7	270	14	1	25	1404	20.0	6.5	5.1	51.4			0	"	13
20.0	10.4	-2.6	4.9	21	930.9	270	9	0	40	1420	22.9	4.3	2.5	54.3			0	Clear	14
21.8	10.7	-5.1	4.0	15	929.6	180	6	0	30		26.2	6.1	4.0	60.0			0	"	15
16.0	12.0	8.1	10.8	59	933.0	270	7	x	0.0	1427	21.8	11.0	10.4	34.0			Tr.	Rain	16
16.3*		-4.4*	4.3*	23*	931.9*					1428	22.8	8.5	6.5	59.0			0	Daut	17
22.5	10.0	-11.6	2.3	9	928.7	270	6	6	5		24.7	6.6	5.0	59.7			0	Haze	18
16.1	11.8	7.5	10.4	57	927.7	150	10	1	12	1395	22.5	9.9	8.6	45.0			1.4	Th.storm	19
16.4	9.4	0.2	6.2	33	932.2	280	9	1	12	1427	21.0	9.6	7.8	57.0			0	Mist	20
18.2	7.0	-20.0	1.0	5	932.4	270	15	0	25	1428	22.0	2.9	1.6	56.1			0	Clear	21
18.9	9.0	-6.4	3.6	16	933.1	280	16	0	14	1433	23.7	3.2	1.7	58.0			0	"	22
21.9	10.5	-6.4	3.6	14	932.5	270	10	0	25	1435	26.2	4.9	3.4	61.9			0	Fair	23
22.8	10.9	-6.6	3.5	13	931.6	270	6	6	20	1429	27.7	6.1	4.8	62.4			0	P.Cloudy	24
24.4	11.4	-8.2	3.1	10	928.5	160	5	4	20	1415	27.8	11.5	10.2	65.2			0	"	25
17.4	11.5	5.2	8.8	45	930.6	090	16	5	25	1426	24.4	12.9	11.0	55.4			1.5	Rain	26
16.7	13.3	10.3	12.5	66	923.5	170	12	8	14	1378	22.2	12.0	11.0	63.0			3.9	Th.storm	27
16.4	11.1	5.4	9.0	48	928.1	280	13	1	14	1388	19.0	7.0	6.1	55.0			4.7	Mist	28
19.8	14.0	8.9	11.4	49	929.4	270	10	2	18	1405	24.4	8.0	6.6	61.0			0	P.Cloudy	29
23.3	13.3	2.4	7.3	26	926.6	040	5	7	30	1392	26.0	9.6	8.5	62.0			0	"	30
21.0	12.9	4.4	8.4	34	930.5	280	8	7	15	1420	25.0	13.4	11.6	63.5			0	Cloudy	31
14.2	10.3	-2.1	6.3	31	930.1	-	9	3	19	1413									Av.

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

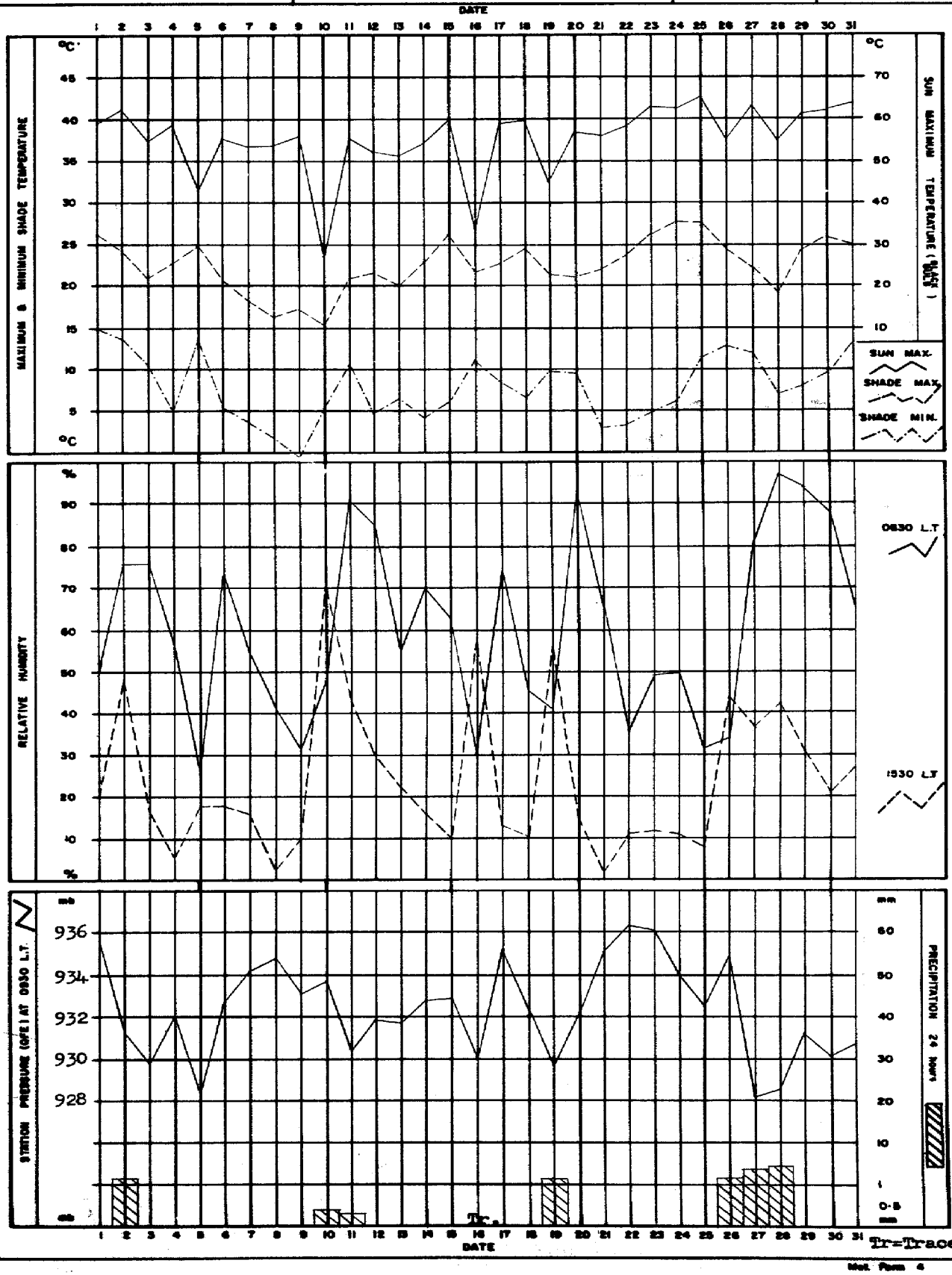
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Gach Saran	
Ground Level: 709 A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 50°50' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: March Year: 1963

Station: Ahwaz

Ground Level: 20 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°20' N | Long: 48°45' 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	14.8*		7.3*	10.3*	61	1014.8*					22.8*		3.3*	7.8*	28	1015.5*					1
2	14.2	10.0	5.3	9.0	55	1011.1	–	0	2	20	24.7	13.0	-1.1	5.6	18	1009.4	–	0	2	25	2
3	14.2	10.2	5.8	9.2	58	1010.1	330	10	4	20	21.7	12.7	2.8	7.6	29	1011.9	300	15	1	30	3
4	10.7	7.0	2.2	7.0	56	1011.7	090	8	5	20	24.0	12.4	-2.1	5.2	18	1012.1	200	4	2	25	4
5	15.7	10.4	4.4	8.3	46	1005.8	100	6	7	25	25.2	17.0	10.6	12.8	40	1004.4	150	20	3	15	5
6	10.0	8.5	6.8	9.9	81	1013.6	220	4	0	30	20.1	11.2	0.2	6.2	26	1015.3	300	10	0	20	6
7	9.9	6.3	1.1	6.7	56	1016.9	340	6	0	20	18.4	8.4	-8.2	3.0	15	1018.0	300	20	0	12	7
8	5.1*		-6.8*	3.5*	41	1017.8*									15	1017.3*					8
9	3.8	1.6	-2.2	5.1	64	1015.5	290	4	1	20	16.7	9.2	-1.1	5.6	29	1015.3	300	6	2	20	9
10	11.3	6.8	0.4	6.3	47	1013.8	320	10	8	20	13.0	9.8	6.3	9.6	64	1013.7	–	0	8	25	10
11	8.8	4.8	-1.6	5.4	48	1012.3	300	18	0	30	17.4	12.1	6.7	9.9	50	1013.1	300	12	0	20	11
12	8.8	6.3	2.9	7.7	67	1011.7	300	10	0	20	21.2	12.0	1.3	6.6	26	1012.4	310	15	1	25	12
13	10.7	7.2	2.6	7.5	57	1012.5	090	4	1	20	21.7	14.3	7.5	10.4	40	1012.6	300	6	0	20	13
14	10.0	9.0	8.0	10.7	87	1012.6	300	5	0	20	24.5	14.5	4.7	8.5	28	1013.1	300	4	0	30	14
15	11.1*		2.4*	7.3*	41	1011.8*					26.0*		6.0*	9.4*	31	1011.1*					15
16	21.0	11.0	-2.2	5.2	21	1004.5	100	15	6	30	19.7	14.8	10.7	13.0	56	1008.1	300	40	x	0.5	16
17	9.3	7.6	5.6	9.2	78	1017.1	–	0	0	20	21.0	12.2	2.2	7.2	29	1016.1	300	3	0	25	17
18	9.0	6.0	1.8	7.0	60	1012.4	200	4	0	20	24.0	12.5	-1.8	5.4	18	1012.1	330	5	0	8	18
19	12.4	9.0	5.0	8.8	60	1007.5	340	4	0	15	21.7	12.0	0.3	6.3	25	1006.5	100	18	6	10	19
20	8.9*		4.0*	8.2*	72	1012.4*					18.9*		1.4*	6.8*	31	1015.1*					20
21	5.1*		-1.2*	4.9*	56	1017.3*					19.7*		-9.6*	2.8*	12	1017.4*					21
22	9.7*		1.6*	6.9*	57	1016.9*					24.6*		-1.6*	5.4*	17	1017.5*					22
23	11.0	7.2	2.2	7.1	55	1016.8	300	10	2	20	26.0	14.0	0.7	6.4	20	1016.3	300	12	1	25	23
24	10.0	7.8	5.0	8.8	72	1013.0	–	0	1	30	26.4	14.2	0.7	6.4	19	1013.2	–	0	1	40	24
25	14.8	10.0	4.6	8.6	51	1010.5	110	5	3	20	29.3	14.0	-5.8	3.8	9	1009.6	150	20	3	20	25
26	22.8	12.4	7.1	10.1	36	1006.7	090	22	8	2	27.4	18.4	12.0	14.0	39	1008.1	110	40	x	0.1	26
27	16.3	12.7	9.3	11.8	65	1005.7	090	20	7	30	21.0	15.5	11.1	13.2	54	1004.8	310	10	8	30	27
28	8.5	7.9	7.2	10.1	92	1007.7	250	4	0	30	20.5	14.1	8.3	11.0	44	1009.8	340	8	0	25	28
29	12.8*		7.8*	10.6*	72	1010.3*					24.2*		7.5*	10.0*	33	1010.6*					29
30	15.7	11.7	7.8	10.6	59	1007.8	120	10	1	30	26.0	17.0	9.8	12.2	36	1006.8	140	15	5	30	30
31	16.8	14.0	11.7	13.8	72	1008.1	140	12	8	20	27.8	14.5	-0.4	5.9	17	1009.7	270	3	4	6	31
Av.	11.7	8.6	3.7	8.2	58	1011.8	–	8	3	22	22.5	13.3	2.8	7.9	29	1012.2	–	12	3	20	Av.

* Values obtained from recording instruments.

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 3e

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: March Year: 1963

Station: Ahwaz

Ground Level: 20 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 48°45' 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		
23.0	12.7	0.8	6.5	23	1012.1	300	10	6	23		26.1	13.1	11.5	65.6			0	P.Cloudy	1
22.9	12.8	1.2	6.6	25	1008.2	310	12	1	25		27.3	13.6	11.0	70.1			0	Fair	2
19.2	11.0	1.1	6.6	30	1010.6	300	20	0	3		23.5	12.5	11.7	61.1			0	Haze	3
22.0	13.0	3.3	7.8	30	1010.1	040	4	8	20		25.1	9.3	7.7	65.8			0	P.Cloudy	4
20.5		9.7	12.1	50	1009.4	100	6	7	25		26.0	11.7	10.7	65.6			0	Haze	5
19.2	11.0	1.0	6.7	30	1014.4	320	15	7	4		22.3	8.8	6.3	63.8			0	"	6
17.0	7.7	-8.2	3.1	15	1016.2	300	25	0	3		20.2	7.3	6.0	63.7			0	"	7
15.5	6.6	-10.0	2.7	15	1016.1	310	25	2	8		18.7	4.2	3.2	64.3			0	"	8
17.2	9.2	-1.7	5.2	30	1014.6	290	8	8	30		20.7	3.3	2.4	65.6			0	P.Cloudy	9
11.5	10.4	9.4	11.8	87	1011.0	310	10	8	20		17.3	10.8	9.8	33.6			0.5	Rain	10
18.3	12.7	7.2	10.3	49	1012.1	300	8	0	25		21.0	8.3	7.0	65.6			0	Clear	11
20.0	12.0	3.1	7.6	32	1010.3	290	8	6	20		24.0	8.0	7.0	67.8			0	Fair	12
20.0	13.0	6.1	9.5	40	1011.7	310	15	0	20		24.3	9.8	7.3	62.8			0	Clear	13
22.8		3.3	7.8	28	1011.0	320	6	0	30		26.9	9.0	7.6	68.0			0	"	14
23.4	13.0	1.1	6.7	23	1007.4	140	8	0	25		28.2	10.1	8.8	68.9			0	"	15
18.0	12.1	8.6	11.2	54	1014.9	300	15	0	15		24.3	17.0	13.0	57.2			0	Sandst.	16
18.8		-3.1	4.7	22	1013.0	290	10	1	30		23.5	8.7	5.7	64.2			0	Fair	17
24.0	13.2	1.0	6.6	22	1009.5	–	0	0	10		25.7	8.0	6.5	66.7			0	Haze	18
19.5	14.8	11.2	13.3	59	1005.5	090	4	0	20		24.2	11.7	9.2	62.0			Tr.	Rain	19
17.7	8.8	-4.4	4.3	21	1014.8	300	18	0	12		21.7	7.8	6.4	64.1			0	Haze	20
20.8	10.6	-3.3	4.7	19	1015.1	330	4	0	30		24.3	3.6	0.4	65.7			0	Clear	21
23.3	12.2	-1.6	5.4	19	1015.2	300	10	0	30		26.7	7.8	6.0	67.4			0	"	22
25.8	12.2	-7.1	3.4	10	1012.2	300	10	0	30		29.2	9.5	8.0	70.2			0	Fair	23
27.0	15.1	3.2	7.6	21	1009.6	–	0	4	30		29.5	8.6	5.7	72.7			0	"	24
26.2	12.2	-8.3	3.1	9	1006.3	150	15	7	20		31.8	13.2	12.0	73.4			0	P.Cloudy	25
25.2	15.4	6.5	9.7	31	1006.9	140	20	7	3		29.3	13.5	15.3	67.2			0	Sandst.	26
15.0	13.0	11.3	13.4	78	1004.8	360	20	4	20		25.5	14.8	14.5	58.6			4.3	Th.storm	27
20.7	14.6	9.3	11.8	49	1009.4	020	8	1	20		23.2	8.0	6.3	63.8			0	Clear	28
26.0	15.8	6.7	9.9	29	1008.4	300	6	1	30		27.9	11.6	10.6	71.7			0	Fair	29
23.8	15.2	7.5	10.5	35	1003.6	160	18	8	15		29.7	13.6	12.5	68.8			0	Haze	30
25.7	13.0	-2.9	4.8	15	1009.4	290	10	1	20		27.0	15.6	15.0				0	"	31
21.0	12.2	2.0	7.6	32	1010.8	–	11	3	20										Av.

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

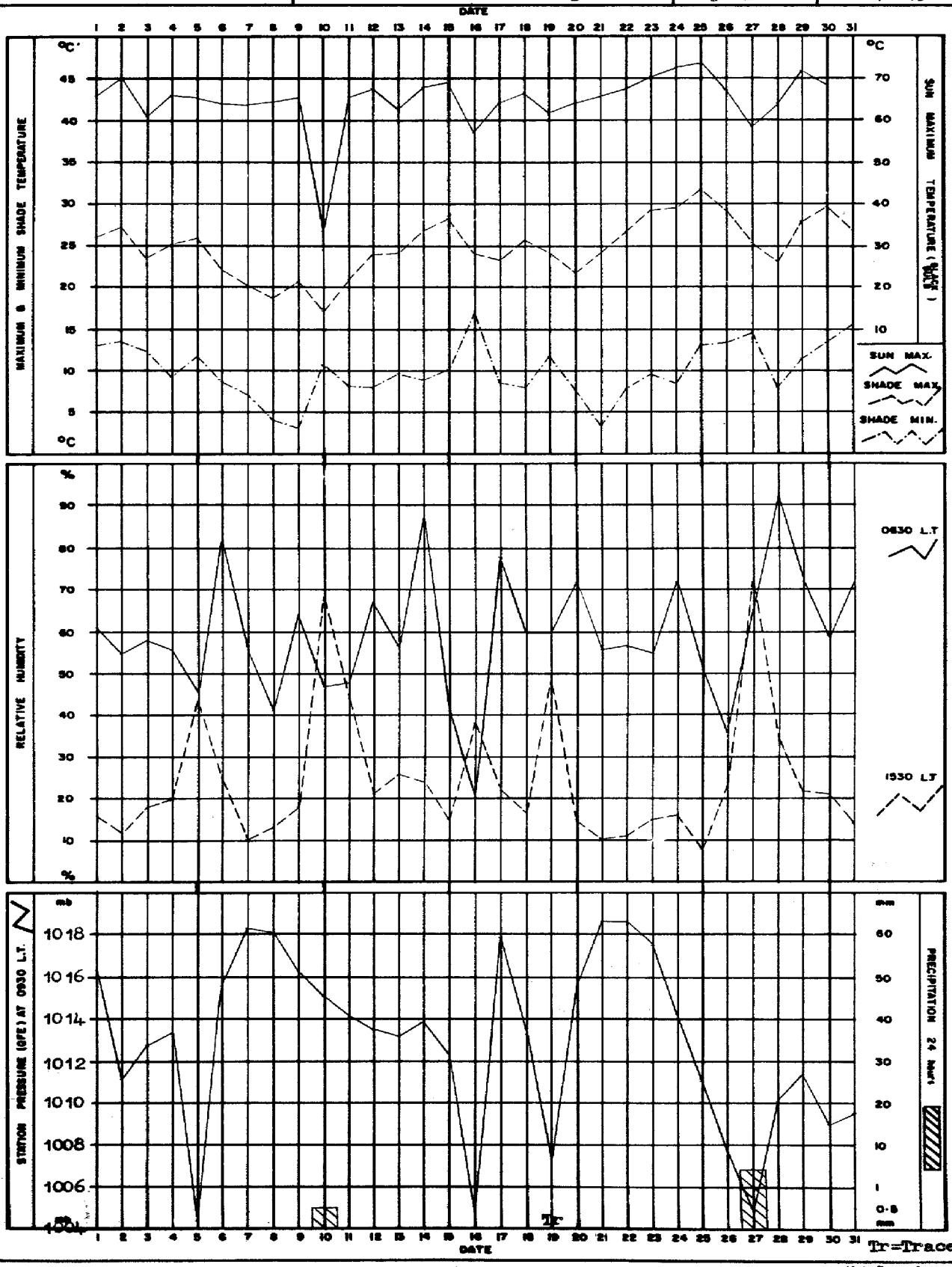
Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Ahwaz	
Ground Level: 20 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 48°45' E



Tr=Trace

Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: March Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°22' N | Long: 48°13' 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						1018.5*										1019.1*					1
2						1013.4*										1011.8*					2
3	22.8	13.9	6.8	10.1	37	1013.1	300	4	3	15	23.3	12.2	1.6	6.9	24	1015.0	280	8	5	20	3
4	12.8	7.8	2.3	7.3	50	1014.5	020	4	4	15	25.0	13.4	3.1	7.7	24	1014.4	300	6	7	15	4
5	18.3	14.8	12.6	14.5	69	1005.8	200	6	4	10						1007.1*					5
6	11.1	8.6	6.2	9.5	72	1016.1	–	0	0	10	22.2	11.2	−0.3	6.0	23	1017.5	300	10	0	20	6
7	12.8	6.1	−2.5	5.0	34	1019.7	360	10	0	20	19.4	8.4	−6.0	3.8	17	1020.7	310	18	0	5	7
8						1022.0*										1021.9					8
9	8.3	3.3	−3.9	4.4	40	1018.3*	280	8	3	10	17.7	8.3	−3.3	4.6	23	1018.2	300	10	7	15	9
10	11.7	11.4	11.1	13.4	98	1016.8	270	6	8	10	12.0	8.4	4.0	8.3	58	1016.3	–	0	8	12	10
11	8.4	7.2	5.8	9.3	85	1017.3	300	10	1	10	16.7	10.6	3.6	7.9	42	1016.6	300	8	0	20	11
12	9.2	6.1	1.8	7.0	60	1015.5	300	6	0	20	21.4	11.7	−0.3	6.1	24	1015.6	300	8	0	25	12
13	11.2	7.7	3.2	7.7	58	1014.8	270	4	4	12	22.2	13.3	4.1	8.2	31	1015.5	300	8	0	15	13
14						1015.5*					25.5	14.1	1.8	7.0	21	1015.8	300	4	0	25	14
15						1013.5*										1012.4*					15
16						1014.7*										1013.0*	270	30	x	0.0	16
17	11.1	9.0	6.7	9.7	73	1019.3	–	0	0	20	22.2	13.3	4.0	8.3	31	1018.4	230	4	0	8	17
18	12.0	8.9	5.4	9.0	64	1015.1	–	0	0	8	24.4	13.8	2.4	7.3	24	1013.9	030	8	0	8	18
19	12.7	8.1	1.6	7.2	49	1009.1	180	4	1	12	23.7	14.4	5.4	9.1	31	1008.0	160	12	8	10	19
20						1015.7*										1018.4*					20
21						1020.3*										1019.9*					21
22						1020.4*										1020.8*					22
23	13.9	9.4	4.1	8.2	52	1019.8	300	6	0	25	25.6	14.4	2.9	7.6	23	1019.0	310	8	0	25	23
24	9.7	8.3	6.7	9.9	82	1015.3	–	0	3	20	26.7	16.1	6.7	9.9	29	1015.8	300	2	4	15	24
25	16.7	13.9	11.6	13.7	72	1012.6	090	6	1	20	28.9	17.2	7.4	10.4	26	1010.8	130	14	3	15	25
26	20.0	17.8	16.3	18.6	79	1007.3	120	8	8	10	28.5	19.2	12.8	14.8	38	1010.9	210	20	2	6	26
27	17.5	15.6	14.3	16.3	81	1007.1	290	14	2	14	23.4	17.8	14.0	15.8	55	1007.2	250	16	5	6	27
28						1011.2	080	2	0	15	22.8	15.2	8.6	11.2	40	1012.1	180	4	1	20	28
29	13.9	12.8	11.8	13.9	88	1012.9	–	0	1	20						1013.2*					29
30	19.4	17.3	16.0	18.1	80	1008.9	100	2	1	15	27.2	18.3	11.9	14.0	39	1007.8	120	18	5	10	30
31	16.7	15.0	13.7	15.7	83	1010.6	180	2	0	6	27.2	16.1	5.4	9.1	25	1012.0	300	4	0	6	31
Av.						1014.4										1014.8					Av.

* 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: March Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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		
					1014.6*						26.6	13.8	"	"			1.0	Rain	1
					1009.1*						28.6	13.0	"				0	P.Cloudy	2
20.3		5.0	8.8	37	1013.4	300	10	3	12		24.0	12.0	"				0	"	3
					1011.6*						26.6	9.0	"				0	Cloudy	4
21.1	12.2	4.2	8.4	34	1010.6	300	15	0	3		25.7	19.6	"				0	Haze	5
					1016.6	320	10	3	10		23.2	7.5					0	"	6
					1019.1	330	16	2	10		20.0	10.0					0	"	7
					1019.3	300	12	6	8		18.4	6.4					0	"	8
15.6	8.3	-2.2	5.1	29	1017.3	280	8	8	20		18.3	5.4					0	P.Cloudy	9
					1012.9	360	6	6	10		16.1	11.3					0.4	Rain	10
17.8	11.7	5.2	8.9	44	1014.4	310	2	0	20		19.9	7.4					Tr.	Clear	11
					1013.2	300	8	3	15		24.0	8.6	"				0	Fair	12
20.6	12.8	4.7	8.6	31	1014.5	310	6	0	20		23.3	9.4					0	"	13
					1013.5	260	2	0	15		26.8	9.5					0	Clear	14
					1009.3*						26.7	8.9						"	15
					1017.0*						20.6	17.0						Sandst.	16
22.1	12.7	2.1	7.1	27	1015.2	-	0	0	8		24.4	10.6	"				0	Haze	17
25.0	13.2	-0.8	5.7	19	1010.7	180	2	0	8		28.3	11.1	"				0	"	18
22.2	15.6	10.1	12.4	46	1007.2	140	12	0	10		25.3	12.1	"				Tr.	Rain	19
17.8	9.4	-2.2	5.2	25	1017.1	300	6	0	20		22.2	10.7	"				0	Clear	20
22.8	13.9	5.7	9.2	34	1017.2	300	4	0	20		25.9	6.7	"				0	"	21
					1018.0*						27.8	8.3					0	"	22
23.9	13.9	3.5	7.9	27	1015.4	300	10	1	25		28.3	12.2	"				0	Fair	23
27.8	15.6	3.6	8.0	21	1011.8	-	0	7	12		29.4	7.3	"				0	P.Cloudy	24
23.9	16.7	11.1	13.3	45	1007.2	130	10	5	15		29.4	15.0					0	P.Cloudy	25
23.9	17.8	13.4	15.5	52	1009.9	190	25	8	2		29.7	17.6	"				Tr.	Rain	26
19.6	12.4	4.8	8.8	39	1007.1	270	18	8	2		24.6	14.8	"				0	Haze	27
					1011.6*						25.6	8.7	"				4.3	Fair	28
					1011.1*						29.4	12.2					0	P.Cloudy	29
23.7	17.2	12.4	14.5	49	1004.6	130	14	6	10		28.3	17.2					0	P.Cloudy	30
27.2	15.6	4.6	8.4	23	1011.5	290	4	6	6		28.9	12.8					0	Mist	31
					1013.0														Av.

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

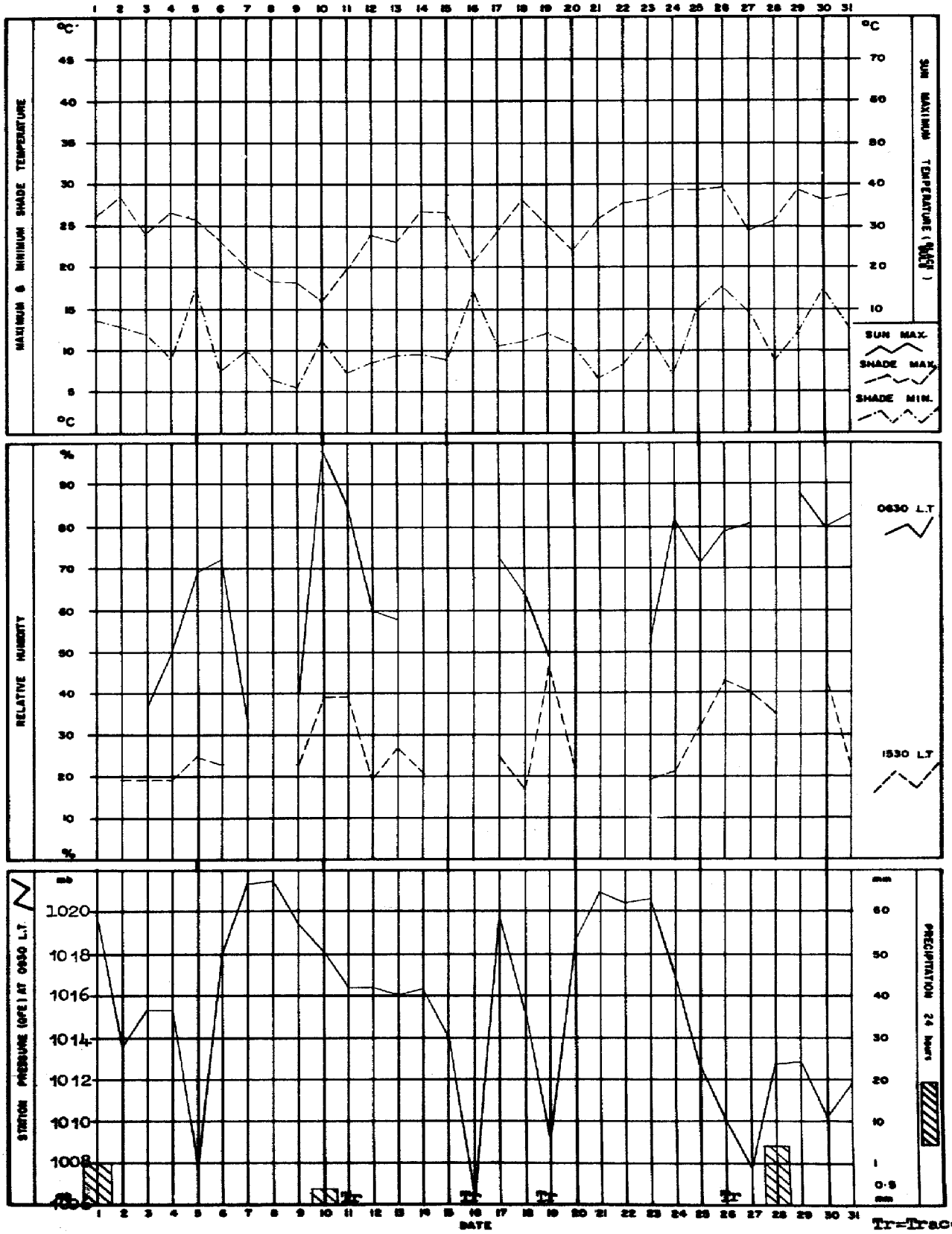
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 36

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Abadan	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°22' N.	Long: 48°13' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: March Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°33' N Long: 49°12' 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	15.2	11.6	8.1	10.8	63	1017.0	340	8	8	18	23.7	14.3	5.1	8.8	30	1017.1	350	7	6	25	1
2	15.5	11.5	7.5	10.4	59	1012.5	360	6	7	30	25.6*		1.0*	6.6*	20	1011.0*	360*	5*			2
3	14.0	10.0	5.6	9.1	57	1012.3	360	5	5	25	22.8	13.8	4.7	8.6	31	1013.6	300	12	5	25	3
4	12.0	8.4	4.0	8.1	58	1013.7	030	6	5	40	22.4	13.2	3.3	7.8	29	1014.0	250	2	5	25	4
5	17.5	15.5	13.8	15.8	77	1006.6	170	10	8	30	22.4	18.8	16.5	18.8	70	1008.3	200	8	7	25	5
6	10.2	8.2	5.8	9.3	75	1015.0	–	0	0	30	21.2	11.7	0.1	6.2	25	1016.6	320	13	0	20	6
7	9.4	7.5	5.2	8.9	76	1018.2	350	6	1	20	19.0*		-4.6*	4.2*	19	1019.5*	340*	26*			7
8	7.4	4.5	0.0	6.1	59	1020.2	300	5	5	50	17.5	8.2	-6.8	3.4	17	1019.7	350	17	5	16	8
9	5.5	3.2	-0.1	6.2	51	1017.6	330	3	5	15	17.3*		-2.5*	5.0*	25	1017.1*	330*	12*			9
10	11.7	7.5	1.8	7.0	51	1015.6	360	6	8	50	12.3	9.7	6.9	10.0	70	1015.9	–	0	8	20	10
11	10.4	8.8	7.1	10.1	80	1012.2	320	15	4	20	16.9	11.4	5.6	9.1	47	1015.6	330	20	0	20	11
12	10.0	7.6	4.7	8.5	69	1014.3	330	10	0	25	21.5	12.2	1.4	6.8	27	1014.6	350	16	0	30	12
13	12.6	9.9	7.0	10.0	68	1014.6	330	10	6	40	23.4	14.0	4.6	8.5	30	1014.3	310	9	2	40	13
14	11.8	9.4	6.8	9.9	72	1014.5	340	6	0	50	24.3*		7.0*	10.0*	33	1015.2*	250*	11*			14
15	12.8	10.0	7.0	10.0	68	1013.7	–	0	0	50	23.7	16.2	10.2	12.5	43	1013.3	260	5	0	40	15
16	18.9*		11.7*	13.8*	63	1007.2*	080*	20*			21.0	14.2	8.1	10.8	43	1013.0	320	22	x	4	16
17	11.6	9.2	6.6	9.7	71	1018.3	340	4	0	16	20.5	12.4	3.8	7.9	33	1017.8	360	6	0	20	17
18	13.0	9.0	4.3	8.3	55	1013.9	–	0	0	14	24.8	13.4	0.3	6.2	20	1013.3	100	6	0	14	18
19	14.6	13.0	11.7	13.7	82	1009.0	150	3	5	7	18.5	15.2	12.7	14.7	69	1009.4	150	6	8	10	19
20	10.2	8.0	5.3	9.0	72	1014.7	320	6	0	8	19.0	11.5	2.9	7.6	35	1017.6	300	19	1	15	20
21	8.0	4.2	-1.8	5.2	49	1018.9	360	3	0	40					23	1018.7*	290*	13*			21
22	10.9	7.7	3.7	8.0	61	1018.7	360	3	0	30	25.7*		-1.2*	5.3*	16	1018.1*	270*	19*			22
23	12.2	8.5	4.0	8.1	57	1018.7	320	7	3	25	25.9*		2.1*	7.1*	21	1018.1*	270*	17*			23
24	11.1	8.8	6.2	9.5	72	1014.9	–	0	3	40	26.1	13.6	-1.1	5.6	17	1015.2	300	5	5	40	24
25	15.6	13.3	11.4	13.4	75	1012.1	060	5	6	30	26.3	16.2	7.4	10.3	30	1011.6	170	9	5	30	25
26	22.0	15.0	9.0	11.5	43	1009.4	160	20	8	20	25.0	17.0	10.8	13.0	41	1011.8	120	26	4	15	26
27	17.3	14.8	12.9	14.8	75	1007.8	110	8	4	15	23.0	17.6	13.8	15.8	56	1006.9	220	25	5	15	27
28	12.8	11.2	9.7	12.1	82	1011.0	020	2	0	18	21.2	13.6	6.2	9.5	38	1011.6	280	8	0	25	28
29	14.9	13.1	11.5	13.7	81	1012.5	–	0	7	40	24.2	16.0	9.2	11.6	38	1013.1	270	8	4	40	29
30	16.2	15.0	14.1	16.1	88	1010.0	180	4	0	15	25.2	19.0	15.0	17.0	53	1009.4	170	12	5	15	30
31	17.2	16.4	15.9	18.1	92	1010.4	170	4	2	7	25.0	19.6	16.3	18.5	58	1011.7	230	6	2	8	31
Av.	13.0	10.0	7.1	10.5	68	1013.7	–	6	3	27	22.2	14.3	5.3	9.6	36	1014.3	–	12	4	22	Av.

* Values obtained from recording instruments.

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: March Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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		
24.0	13.0	0.1	6.2	21	1013.4	320	6	3	18		26.0	14.3	13.4		340	22	0	Cloudy	1
24.5	14.5	4.7	8.5	28	1008.9	350	5	0	30		27.8	15.2	14.2		360	17	Tr.	Rain	2
21.2	12.2	1.9	7.0	28	1012.4	360	8	6	20		24.5	12.9	12.0		320	16	0	Cloudy	3
21.0	14.4	8.5	11.1	45	1012.0	–	0	6	30		24.8	11.0	10.2		230	13	0	P.Cloudy	4
21.6	14.0	6.8	9.9	38	1010.3	320	9	0	6		27.0	16.4	16.0		330	32	0	Haze	5
20.3	12.0	2.7	7.4	31	1015.8	340	8	2	5		23.0	10.0	9.4		320	23	0	"	6
17.0	8.5	-4.3	4.3	22	1018.0	340	17	0	4		20.4	8.8	8.0		330	38	0	"	7
15.4*		-6.1*	3.7*	21*	1017.9*	320*	17*				19.0	7.1	5.6		330	41	0	P.Cloudy	8
18.2	10.6	1.3	6.7	32	1016.4	340	6	7	18		20.9	5.0	3.2		340	23	0	"	9
13.0	10.0	6.8	9.9	66	1012.0	010	8	8	30		18.2	10.7	10.0		360	21	0.9	Rain	10
18.2	12.4	6.7	9.8	47	1013.6	350	9	0	25		21.0	9.6	5.8		270	33	0.4	Fair	11
21.2*		2.1*	7.1*	28*	1012.5*	250*	10*				24.7	9.7			270	25	0	"	12
21.0	13.8	7.0	10.0	40	1013.2	350	13	0	20		24.5	9.3			250	33	0	P.Cloudy	13
24.1	13.7	2.6	7.4	25	1013.0	–	0	0	30		26.7	11.3	10.3		300	18	0	Clear	14
21.8	14.4	7.7	10.5	40	1009.6	180	9	1	40		24.7	12.0	10.4		070	26	0	"	15
19.0	13.8	9.1	11.6	53	1016.4	350	7	0	2.5		22.2	16.0	15.3		120	50	Tr.	Rain	16
21.1	13.0	4.6	8.5	34	1014.7	360	6	0	20		23.8	10.6	10.2		300	21	0	Clear	17
24.4	13.5	1.4	6.8	22	1010.5	300	7	0	8		26.9	12.0	10.6		300	16	0	Haze	18
19.8	14.7	10.4	12.6	55	1006.8	160	9	0	14		24.4	13.9	12.9		080	30	1.2	Th.storm	19
19.6	11.4	1.7	6.9	30	1016.5	340	12	0	20		22.2	9.7	8.8		270	35	0	Mist	20
21.8	11.6	-1.3	5.5	21	1016.3	360	12	0	30		24.7	7.1	5.4		290	26	0	Clear	21
24.0	13.5	2.1	7.1	24	1016.9	360	8	0	30		27.8	10.2	9.3		280	32	0	"	22
25.2	14.0	1.8	7.0	22	1014.2	320	7	0	25		29.2	11.2	10.2		300	30	0	P.Cloudy	23
21.5	16.4	12.6	14.6	57	1011.8	140	6	5	25		31.2	10.4	9.3		270	16	0	"	24
21.6	15.0	9.3	11.8	46	1008.5	170	6	6	30		27.7	14.9	14.4		090	32	0	Cloudy	25
21.8	16.5	12.6	14.5	55	1009.9	170	11	8	15		25.3	20.0	15.4		080	47	Tr.	Rain	26
17.0	13.8	11.1	13.2	68	1006.6	320	8	3	5		26.7	16.3	15.1		170	41	8.2	Th.storm	27
22.0	16.8	13.0	15.0	57	1010.6	–	0	2	25		24.3	11.8	10.4		230	19	0	Fair	28
21.3	17.8	15.6	17.6	70	1010.7	180	3	2	30		26.3	14.0	13.7				0	P.Cloudy	29
21.0	16.6	13.4	15.4	62	1005.6	180	16	4	15		26.1	15.9	15.3		090	35	0	"	30
23.0	18.0	14.6	16.6	59	1011.4	220	5	6	8		28.7	17.0	16.7		160	18	0	Mist	31
20.9	13.9	5.8	9.8	40	1012.5	–	8	2	20										Avg.

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

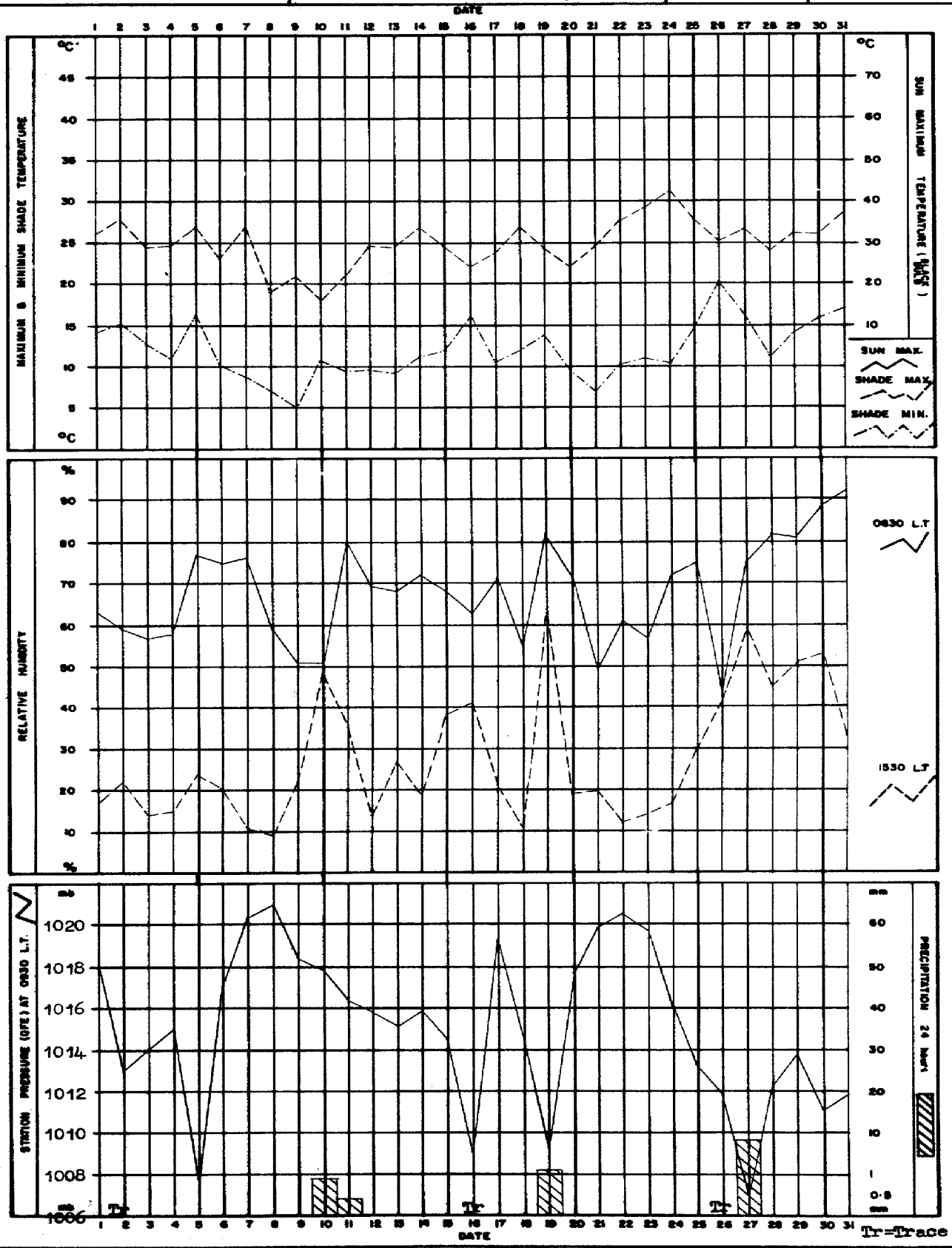
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

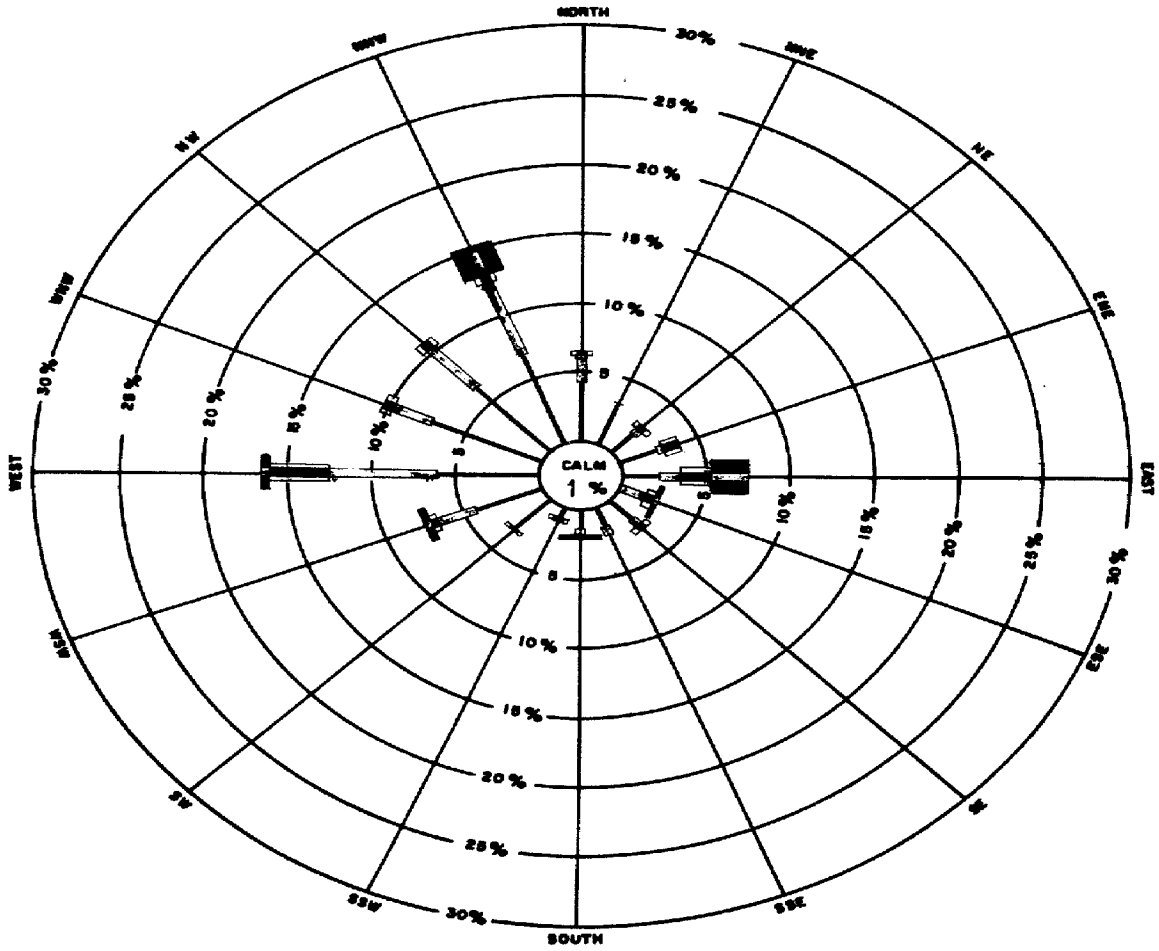
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09 E



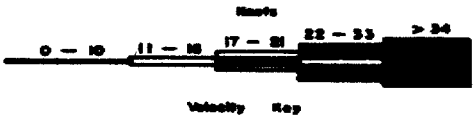
Met. Form A

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	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 719



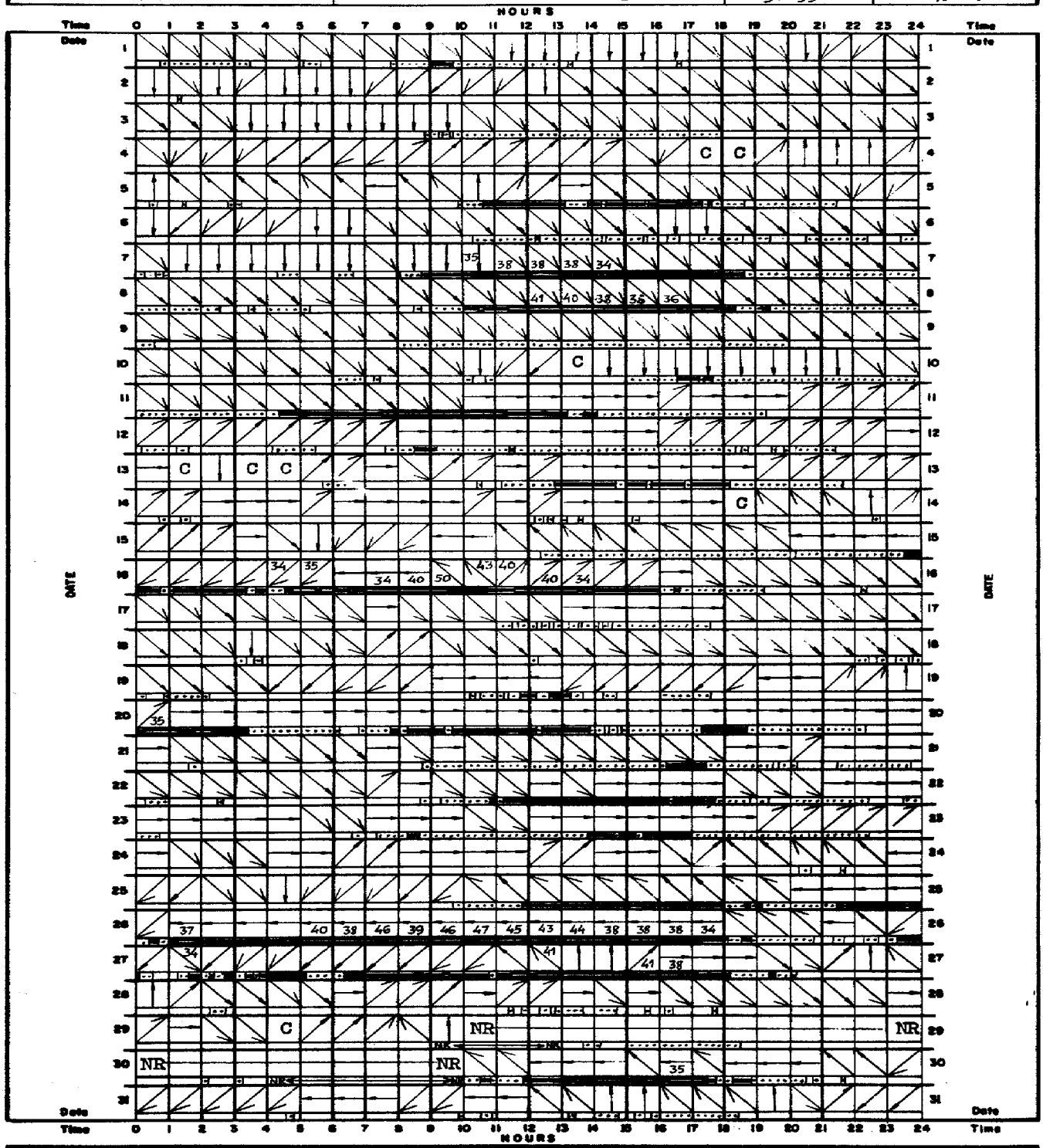
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: March	Year: 1963
	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	Direction Key	Example:
C Calm	N, NE, E, SE, S, SW, W, NW	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: March Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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	19.2	18.2	17.6	20.1	90	1016.0	360	2	4	20	22.4	18.4	15.8	17.9	66	1015.9	350	8	0	20	1
2	19.2	17.6	16.6	18.9	85	1011.3	360	2	3	20	22.4	19.4	17.6	20.2	74	1010.0	110	8	5	20	2
3	19.4	14.4	10.1	12.4	55	1011.0	330	15	4	30	22.4	15.0	8.5	11.1	41	1012.8	350	20	7	20	3
4	17.8	11.2	3.8	8.0	39	1013.6	350	14	0	20	23.2	14.2	5.4	9.0	32	1014.0	300	5	0	10	4
5	18.6	14.8	11.7	13.8	65	1008.2	120	10	8	20	24.0	19.2	16.2	18.4	62	1008.2	210	10	7	20	5
6	17.6	11.0	3.4	7.8	39	1013.7	330	20	0	20	20.6	11.8	1.6	6.8	28	1015.9	340	18	0	20	6
7	17.2	11.4	5.2	8.9	46	1016.6	360	20	0	20	20.0	12.0	3.2	7.7	33	1018.4	350	16	1	15	7
8	13.6	7.6	-1.0	5.7	37	1019.5	350	28	5	30	16.4	9.0	-1.1	5.6	30	1019.8	350	20	3	25	8
9	12.6	7.6	0.8	6.5	45	1016.9	350	15	0	12	16.4	10.8	4.6	8.5	46	1017.7	350	10	0	20	9
10	16.4	11.4	6.1	9.5	51	1014.5	350	6	8	20	19.0	12.4	5.6	9.1	42	1014.7	360	10	5	20	10
11	14.8	12.8	11.1	13.2	78	1012.1	300	20	1	25	15.4	12.6	10.0	12.3	70	1015.3	320	20	7	25	11
12	15.8	12.6	9.7	12.0	67	1013.8	340	8	0	30	19.4	13.4	7.8	10.6	47	1014.8	340	10	0	30	12
13	14.2	12.2	10.3	12.6	78	1013.6	–	0	5	30	22.0	15.0	8.9	11.4	43	1014.7	360	8	0	30	13
14	16.8	13.6	10.9	13.0	68	1013.8	330	13	0	30	21.4	16.0	11.9	13.9	55	1015.0	330	10	0	30	14
15	13.0	12.4	11.9	13.9	93	1014.1	–	0	0	15	22.2	16.2	11.6	13.6	51	1013.8	–	0	0	25	15
16	20.0	18.0	16.7	19.0	81	1009.2	170	14	8	20	22.8	18.6	15.9	18.1	65	1014.2	250	10	x	0.0	16
17	16.8	12.4	8.2	10.9	58	1017.3	360	12	0	10	20.0	14.2	9.2	11.6	50	1016.8	360	15	0	12	17
18	15.6	11.8	8.1	10.8	61	1013.6	–	0	0	15	21.4	15.0	9.6	12.0	47	1012.9	360	6	0	15	18
19	18.2	16.0	14.4	16.5	79	1009.3	120	3	8	15	21.4	17.2	14.2	16.2	63	1009.2	100	3	8	10	19
20	16.8	13.0	9.6	12.0	63	1013.3	360	28	8	10	18.0	13.6	9.7	12.1	59	1016.9	360	18	4	10	20
21	15.0	10.0	4.2	8.3	49	1017.6	360	18	0	6	19.8	13.0	6.2	9.5	41	1018.7	360	10	0	8	21
22	17.8	13.0	8.6	11.2	55	1018.3	360	8	0	30	22.0	15.2	9.4	11.8	45	1018.9	350	12	0	12	22
23	18.0	13.0	8.3	11.0	53	1017.6	340	15	1	25	20.6	15.2	10.8	13.0	52	1017.4	320	15	1	25	23
24	15.8	14.0	12.6	14.6	81	1014.6	360	2	1	30	24.0	16.2	9.8	12.2	41	1015.3	300	3	3	30	24
25	17.8	16.0	14.7	16.8	82	1012.5	–	0	4	20	23.2	18.0	14.4	16.5	58	1012.6	120	4	6	25	25
26	23.6	16.6	11.2	13.3	46	1010.2	180	20	8	30	23.0	18.4	15.3	17.4	62	1012.7	090	12	4	20	26
27	19.0	15.8	13.4	15.4	70	1009.3	120	20	8	10	24.0	18.0	13.8	15.8	53	1006.6	100	15	0	25	27
28	14.2	11.8	9.6	12.0	74	1009.7	–	0	0	15	20.8	15.4	11.1	13.2	54	1011.2	340	6	1	8	28
29	15.2	14.4	13.8	15.8	92	1012.2	–	0	1	15	23.2	16.4	11.2	13.2	47	1012.9	270	8	1	20	29
30	15.8	15.4	15.1	17.2	96	1010.6	100	2	0	30	23.0	19.6	17.6	20.1	71	1010.9	100	7	4	25	30
31	20.2	18.2	16.9	19.3	82	1009.8	240	6	7	20	21.8	19.2	17.7	20.2	77	1012.4	150	2	7	15	31
Av.	17.0	13.5	10.1	12.9	66	1013.3	–	10	3	17	21.2	15.4	10.4	13.2	52	1014.2	–	10	3	19	Av.

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: March Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' N Long: 50°20' E.

Observations at 1830										Sea Temperature at 0930	Extreme Temperatures				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		
21.0	18.0	16.1	18.3	73	1013.4	320	10	3	20		22.8	19.0	15.8	56.0	350	17	0	Fair	1
21.6	19.0	17.4	19.9	77	1009.5	–	0	0	20		25.4	18.4	15.8	58.8	290	14	0	P.Cloudy	2
20.2	13.8	7.8	10.6	45	1012.2	300	10	2	20		23.4	19.0	16.4	58.0	320	30	0	P.Cloudy	3
20.2	14.0	8.3	11.0	47	1012.1	320	4	0	15		24.0	16.9	15.4	58.0	360	26	0	Haze	4
21.0	17.8	15.7	17.8	71	1009.7	240	4	2	20		25.8	15.8	13.0	59.8	350	35	0	Cloudy	5
19.2	13.0	6.9	10.0	45	1014.7	330	18	0	20		21.6	17.0	15.4	57.3	360	32	0	Clear	6
18.4	10.0	-1.1	5.6	27	1016.9	330	20	5	5		20.8	17.0	14.8	55.0	350	36	0	Haze	7
16.8	8.2	-5.0	4.0	22	1017.2	340	20	2	12		19.0	13.5	12.0	58.2	350	40	0	P.Cloudy	8
17.0	10.0	1.2	6.7	35	1015.7	330	10	7	20		18.0	12.0	10.6	54.0	300	33	0	Fair	9
18.4	14.0	10.3	12.5	59	1010.4	300	6	6	20		19.9	16.0	15.0	56.4	340	24	0	Cloudy	10
17.4	13.4	9.8	12.2	61	1013.7	330	12	0	25		18.4	14.0	13.2	51.0	340	34	Tr.	P.Cloudy	11
18.6	13.4	8.7	11.3	53	1012.8	270	8	0	25		20.7	15.0	13.4	55.4	350	22	0	Clear	12
20.0	15.0	10.9	13.1	56	1012.3	300	6	0	25		22.8	13.6	9.6	53.0	300	20	0	Fair	13
19.4	16.0	13.5	15.5	70	1013.6	280	7	0	25		22.4	16.4	14.2	57.5	350	23	0	Clear	14
21.0	14.8	9.4	11.9	48	1011.0	160	10	0	25		25.0	12.7	8.0	59.5	180	12	0	"	15
19.8	14.8	10.7	12.9	56	1015.7	320	12	x	0.5		24.0	17.6	16.4	57.0	230	32	Tr.	Rainsh.	16
18.6	14.0	10.0	12.3	57	1014.6	310	12	0	15		21.6	16.0	14.4	57.0	360	26	0	Haze	17
20.0	15.8	12.6	14.6	62	1010.3	300	3	1	12		24.2	13.5	9.8	58.4	350	16	0	"	18
20.6	18.0	16.3	18.5	76	1006.8	100	8	8	10		22.8	13.4	11.0	48.0	120	12	1.0	Th.storm	19
18.2	12.8	7.6	10.5	50	1015.9	340	10	2	20		21.8	16.0	14.8	56.0	360	32	0	Haze	20
19.2	13.2	7.5	10.4	47	1015.9	300	10	0	15		21.0	14.5	12.6	57.8	360	34	0	"	21
21.4	15.0	9.6	12.0	47	1016.6	300	12	0	20		23.7	17.0	14.6	58.0	320	28	0	Clear	22
20.0	15.4	11.8	13.8	59	1014.5	320	8	0	20		23.4	17.6	15.4	58.0	350	26	0	Fair	23
20.4	15.2	11.0	13.0	55	1012.6	–	0	4	20		25.0	15.4	11.4	59.8	320	16	0	P.Cloudy	24
21.8	17.6	14.7	16.8	64	1009.3	180	20	7	20		24.8	17.4	14.2	64.0	180	32	0	"	25
22.0	18.6	16.4	18.7	70	1010.2	150	8	8	12		25.7	20.0	18.4	60.0	200	34	Tr.	Rain	26
21.0	17.4	14.8	16.9	68	1006.8	270	12	5	15		25.4	17.6	14.6	59.0	100	41	1.8	Th.storm	27
19.2	14.2	10.0	12.3	55	1010.7	300	8	0	12		21.8	14.0	11.2	58.2	340	20	0	Haze	28
20.4	16.6	13.9	15.9	66	1011.8	270	2	2	25		24.0	15.0	11.8	60.0	300	14	0	Fair	29
21.8	17.6	14.7	16.7	64	1007.9	180	5	7	20		23.8	15.0	11.8	61.0	180	23	0	P.Cloudy	30
21.2	18.8	17.3	19.8	79	1011.6	340	2	5	15		24.0	20.0	18.0	57.0	180	20	Tr.	Cloudy	31
19.9	15.0	10.6	13.4	57	1012.5	–	9	3	18										Av.

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

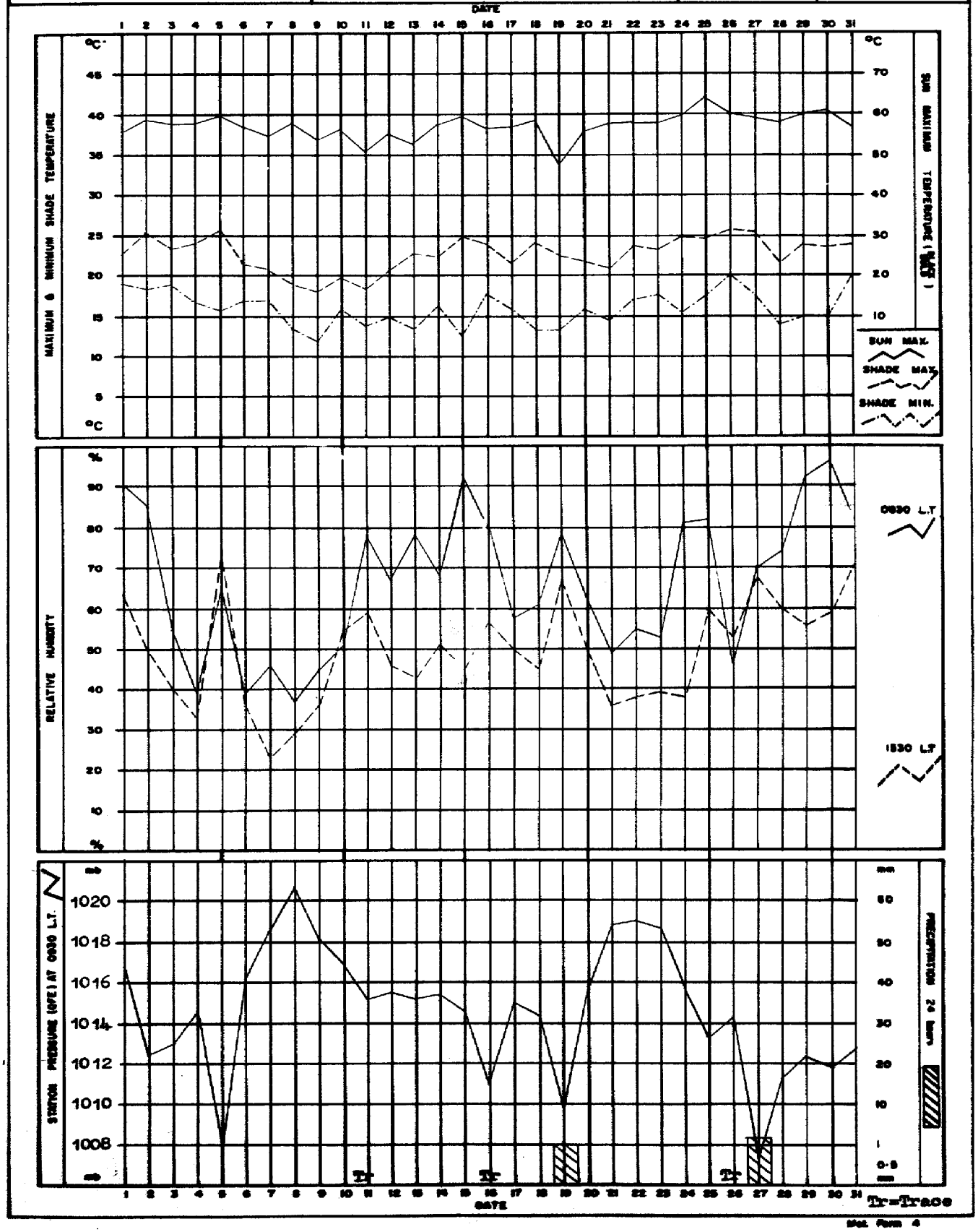
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

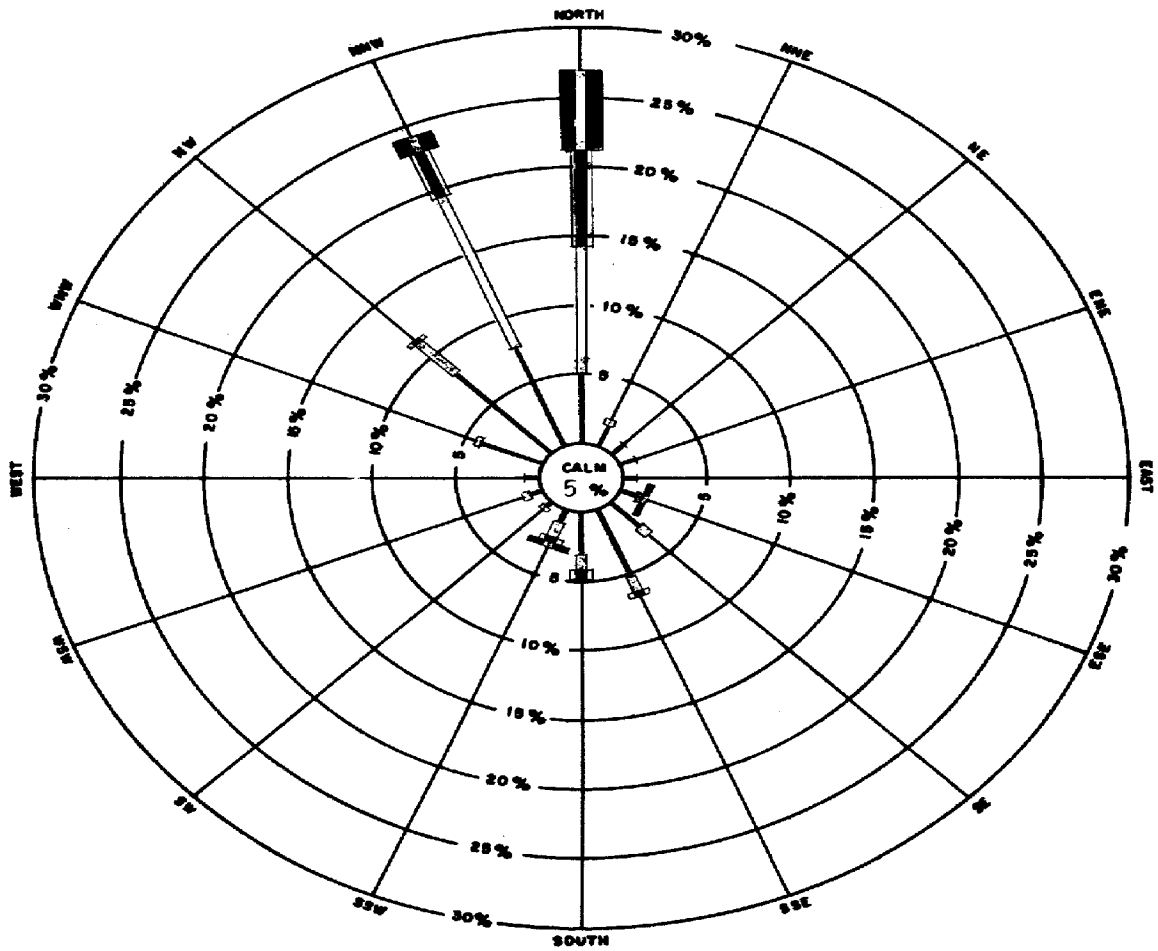
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



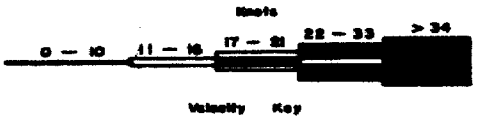
Met. Form 4

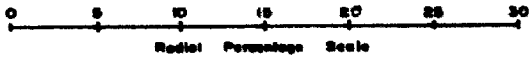
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	Compiled from Wind Records Summary	Station Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Hours in month 744

Hours recorded 744





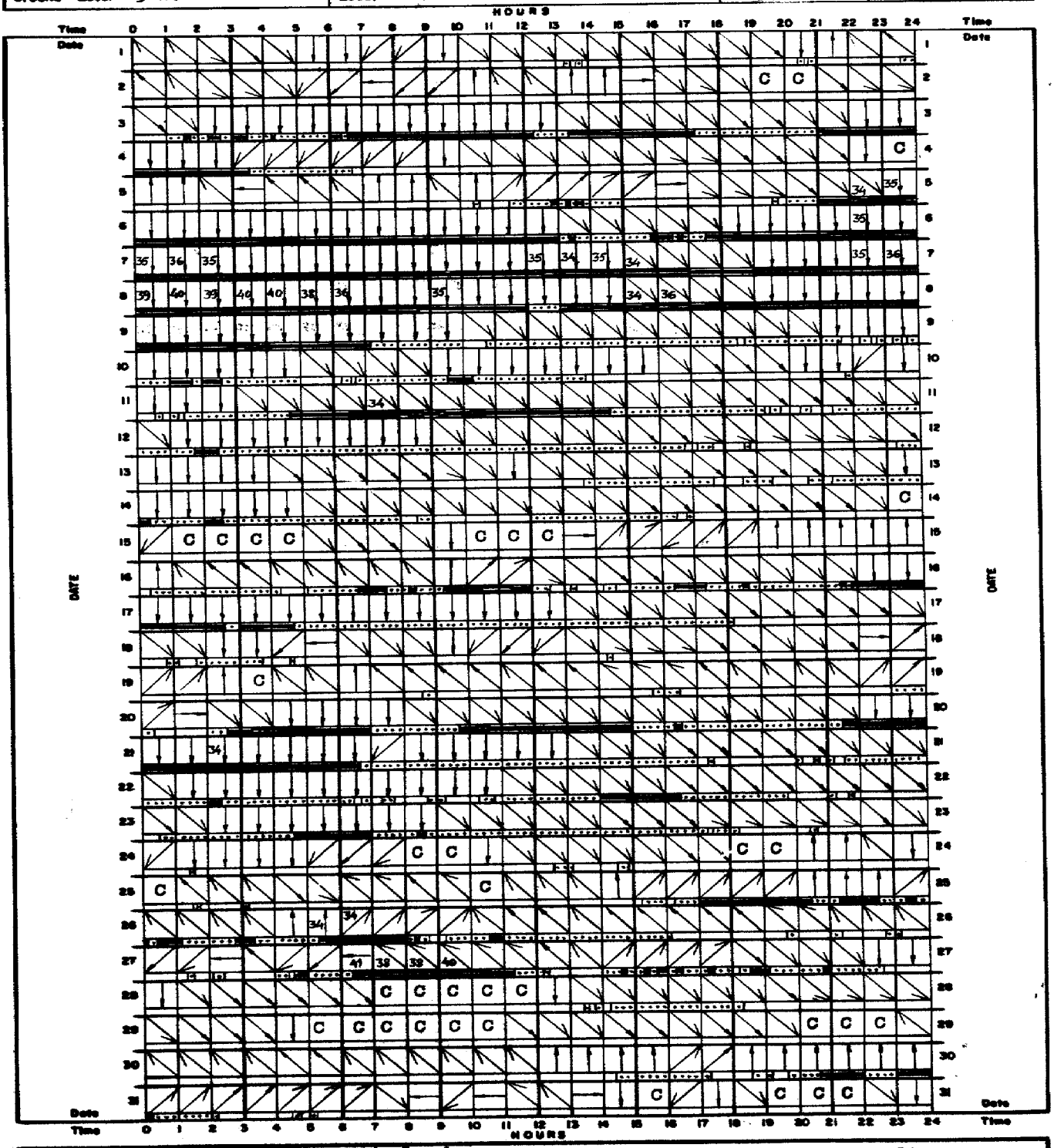
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: The wind directions NW, NNW, and N constitute together 62.8% of all cases.

Met. Form 8

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: March	Year: 1963
	DINES ANEMOGRAPH	Station: Khark Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Velocity Key		
C	Calm	
	1 – 10 knots	
	11 – 16	
	17 – 21	
	22 – 28	
	> 34	

Direction Key

N, NE, E, SE, S, SW, W, NW

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: March Year: 1963
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.

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	20.6	16.9	14.3	16.3	67	1015.6	–	0	1	40	26.4	21.6	19.1	22.0	64	1015.0	180	7	5	40	1
2	19.6	18.4	17.7	20.2	89	1011.9	300	4	5	35	28.7	20.8	16.1	18.3	46	1011.2	200	1	6	40	2
3	18.2	16.9	16.0	18.2	87	1009.8	270	8	4	40	27.5	19.0	13.2	15.1	41	1009.7	280	12	1	30	3
4	20.2	15.5	11.8	13.9	58	1011.9	300	8	3	35	25.0	16.3	9.2	11.6	37	1012.4	300	15	0	20	4
5	17.3	16.2	15.4	17.5	88	1010.2	–	0	0	40	24.5	21.5	20.2	23.6	79	1011.0	160	7	7	30	5
6	20.0	18.3	17.3	19.7	84	1011.1	280	8	4	20	26.2	19.0	14.2	16.2	48	1011.9	290	13	6	20	6
7	20.0	15.5	12.1	14.0	60	1012.3	300	10	5	20	25.3	16.3	8.8	11.3	35	1013.2	290	20	0	20	7
8	19.2	12.0	8.4	11.0	49	1012.3	300	18	5	20	23.4	13.5	2.9	7.5	26	1013.1	300	22	0	15	8
9	16.6	10.3	2.9	7.5	40	1012.7	320	13	0	20	21.8	13.6	5.4	9.0	34	1013.5	280	19	0	20	9
10	17.3	13.0	9.1	11.5	58	1012.6	300	6	1	30	22.7	15.8	10.2	12.3	45	1014.1	300	12	0	20	10
11	21.1	18.5	16.9	19.3	77	1011.7	170	2	8	30	24.1	20.3	18.2	20.8	69	1012.3	230	8	5	30	11
12	18.2	15.8	14.1	16.0	77	1011.9	300	12	6	25	22.8	17.2	13.2	15.2	53	1012.3	290	13	7	30	12
13	16.4	13.9	11.8	13.9	75	1011.9	300	9	0	40	24.6	16.5	10.0	12.3	40	1011.8	300	19	0	30	13
14	19.1	14.8	11.3	13.4	61	1012.4	310	12	0	35	25.8	16.3	8.3	11.0	33	1012.5	300	12	0	50	14
15	14.2	12.8	11.6	13.6	84	1013.9	280	2	0	40	23.8	18.4	14.8	16.8	57	1014.6	170	3	0	50	15
16	21.8	19.2	17.6	20.2	77	1012.9	120	11	4	35	24.6	19.5	16.3	18.6	60	1014.2	110	10	0	40	16
17	19.6	16.7	14.7	16.7	73	1014.7	300	13	x	1	23.8	18.4	14.8	16.8	57	1014.4	230	11	0	1.6	17
18	17.5	16.2	15.3	17.3	86	1012.9	270	2	0	20	23.6	18.2	14.6	16.6	57	1012.8	250	7	0	3	18
19	21.2	19.7	18.8	21.8	86	1011.1	–	0	8	10	24.5	21.4	19.8	23.0	75	1010.9	180	7	8	25	19
20	21.2	20.1	19.4	22.6	90	1010.9	280	12	2	20	26.4	21.2	18.3	21.0	61	1012.0	270	14	0	15	20
21	20.3	15.8	12.3	14.3	60	1014.3	300	18	1	40	26.9	16.3	7.1	10.0	28	1014.2	280	14	0	50	21
22	20.8	15.5	11.3	13.4	54	1014.3	280	16	0	35	26.0	15.9	6.9	10.0	30	1014.4	280	22	0	30	22
23	18.3	15.2	12.9	14.8	70	1013.9	280	10	0	20	24.2	19.3	16.3	18.5	61	1015.1	130	10	0	15	23
24	21.8	19.0	17.3	19.7	75	1015.1	110	1	0	15	24.5	21.3	19.6	22.7	74	1015.2	160	8	1	20	24
25	18.5	17.6	17.1	19.4	91	1013.7	350	2	6	30	24.5	19.6	16.6	18.9	61	1014.4	180	7	8	40	25
26	22.8	20.1	18.6	21.4	77	1013.0	150	1	0	25	25.4	20.2	17.1	19.5	60	1014.4	100	8	8	20	26
27	22.8	19.5	17.6	20.0	72	1012.3	270	17	8	30	23.4	18.1	14.5	16.5	57	1009.2	080	12	4	45	27
28	18.3	17.2	16.4	18.7	78	1009.3	250	1	8	15	22.8	15.1	8.3	11.0	40	1009.5	270	18	0	15	28
29	16.7	14.8	13.3	15.3	80	1011.7	290	7	0	15	23.6	19.1	16.3	18.5	63	1012.4	240	10	1	15	29
30	18.9	17.4	16.4	18.7	86	1011.9	270	1	1	25	23.4	19.2	16.6	18.8	65	1012.7	190	1	1	25	30
31	20.0	17.7	16.2	18.4	79	1011.2	090	2	5	40	24.0	20.3	18.2	20.9	70	1012.3	150	9	2	45	31
Av.	19.3	16.5	14.4	16.7	74	1012.4	–	7	3	27	24.7	18.4	13.7	16.3	52	1012.8	–	11	2	27	Av.

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: March Year: 1963

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	1/8	km	°C	°C	°C	°C	°C	deg.	kt	mm		
24.0	18.2	14.3	16.2	54	1013.7	340	2	3	30	24.0	28.4	17.6	12.9	63.4	130	13	0	P.Cloudy	1
23.4	19.6	17.3	19.8	69	1009.7	310	1	3	35	23.8	30.2	17.6	14.9	64.7	310	23	0	"	2
22.9	16.4	11.4	13.5	48	1009.4	280	20	0	15	24.1	28.4	17.7	13.9	63.0	300	35	0	Fair	3
21.9	16.2	11.7	13.8	52	1011.5	280	10	0	15	21.9	26.8	19.8	17.9	61.2	300	28	0	"	4
23.3	21.4	20.4	24.0	84	1009.5	150	6	3	25	23.4	25.3	15.7	11.7	61.9	150	12	Tr.	Rainsh.	5
22.6	18.3	15.5	17.6	64	1010.8	290	18	5	20	23.5	28.3	19.1	15.7	65.5	300	31	0	P.Cloudy	6
21.8	16.3	12.1	14.1	54	1012.6	280	20	4	10	22.0	26.0	19.7	17.7	61.8	290	35	0	"	7
20.3	13.2	6.3	9.5	40	1011.6	280	26	6	10	19.5	24.3	17.7	17.1	62.0	290	45	0	Haze	8
19.3	13.5	8.2	10.9	49	1012.5	290	18	0	10	18.9	22.5	16.2	14.1	61.4	300	43	0	Clear	9
20.6	16.2	12.9	14.8	61	1012.3	280	1	6	25	20.1	24.5	17.1	14.8	61.6	310	25	0	Fair	10
19.2	16.4	14.4	16.4	74	1011.2	280	17	2	15	22.1	24.6	16.8	12.8	62.7	290	29	0	P.Cloudy	11
19.8	16.2	13.6	15.5	67	1012.1	270	12	4	30	21.6	24.2	17.3	15.2	69.2	280	27	0	Cloudy	12
21.0	14.8	9.5	11.9	48	1010.8	280	18	0	30	20.8	25.3	15.9	13.0	62.7	290	41	0	Clear	13
21.2	17.6	15.2	17.3	68	1012.8	290	8	0	40	20.4	27.0	18.2	15.2	65.1	300	33	0	"	14
22.2	19.0	17.0	19.4	72	1013.1	180	2	0	40	21.8	25.1	13.9	7.8	63.8	160	12	0	"	15
22.8	20.9	19.9	23.2	83	1013.4	180	1	3	35	21.8	26.1	17.6	12.6	63.6	140	20	0	P.Cloudy	16
21.1	18.4	16.7	19.0	76	1012.8	300	7	0	2	22.4	24.9	19.2	16.0	64.2	300	26	0	Dust	17
21.5	17.7	15.1	17.2	67	1011.3	280	5	5	3	22.1	25.8	16.6	13.0	60.9	230	19	0	Haze	18
23.2	20.0	18.2	20.8	73	1009.0	360	10	8	5	22.6	26.4	18.2	14.7	59.2	360	26	3.0	Rain	19
22.8	18.9	16.4	18.7	67	1011.6	280	15	2	15	23.4	29.6	19.5	16.1	66.2	290	38	0	Fair	20
21.3	16.7	13.4	15.3	60	1012.9	270	18	0	15	21.4	27.1	19.1	15.8	63.0	280	37	0	Clear	21
21.8	17.5	14.6	16.5	63	1012.8	280	27	0	15	21.5	26.9	19.4	17.1	64.9	290	47	0	"	22
22.7	17.8	14.4	16.4	60	1013.5	320	2	1	10	20.9	25.4	17.5	14.8	64.0	320	28	0	"	23
22.4	20.1	18.8	21.7	80	1013.9	270	1	3	15	22.7	25.2	16.7	10.5	64.7	160	17	0	Fair	24
23.3	19.8	17.7	20.3	71	1012.1	140	2	5	30	23.4	26.0	16.4	11.4	62.5	360	11	0	Cloudy	25
23.4	20.1	18.2	20.9	73	1011.5	110	7	7	15	22.8	26.2	20.1	15.0		130	22	0	"	26
22.1	19.1	17.3	19.7	74	1007.9	110	21	6	30	22.1	24.2	20.0	16.0	62.6	090	42	1.7	Rain	27
19.7	15.4	12.0	14.1	62	1009.5	280	17	2	15	22.7	23.2	17.5	15.5	62.5	120	42	4.7	"	28
21.2	18.1	16.1	18.3	73	1011.4	280	7	2	20	22.0	25.0	16.2	13.6	63.2	270	26	0	Fair	29
22.0	18.6	16.4	18.7	71	1011.1	180	1	3	25	23.7	23.9	16.9	12.8	61.2			0	"	30
23.3	20.3	18.6	21.4	75	1010.6	–	0	6	30	23.5	25.4	19.0	14.8	60.6	140	18	0	P.Cloudy	31
21.9	17.8	14.6	17.3	68	1011.6	–	10	3	20										Avg.

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

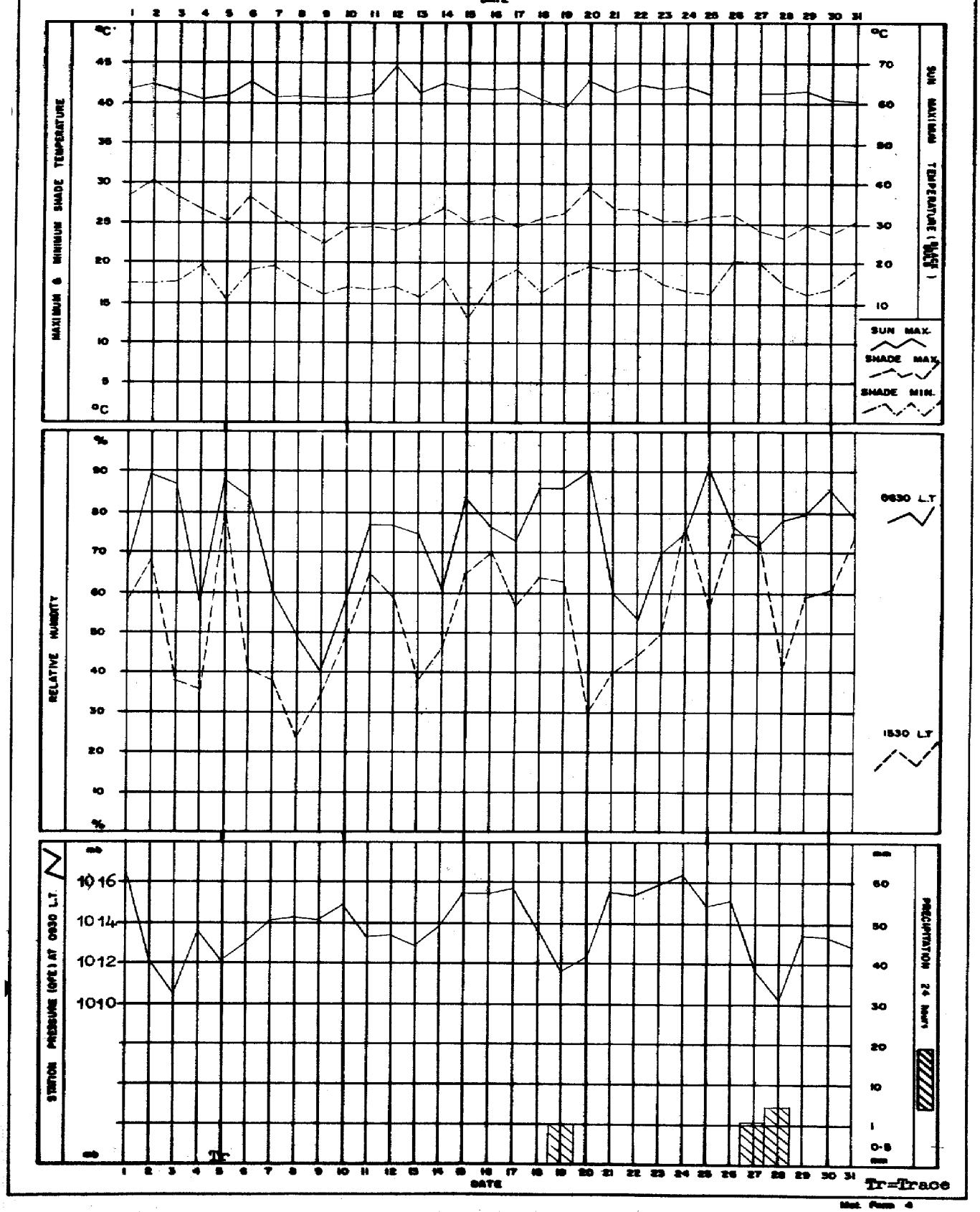
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

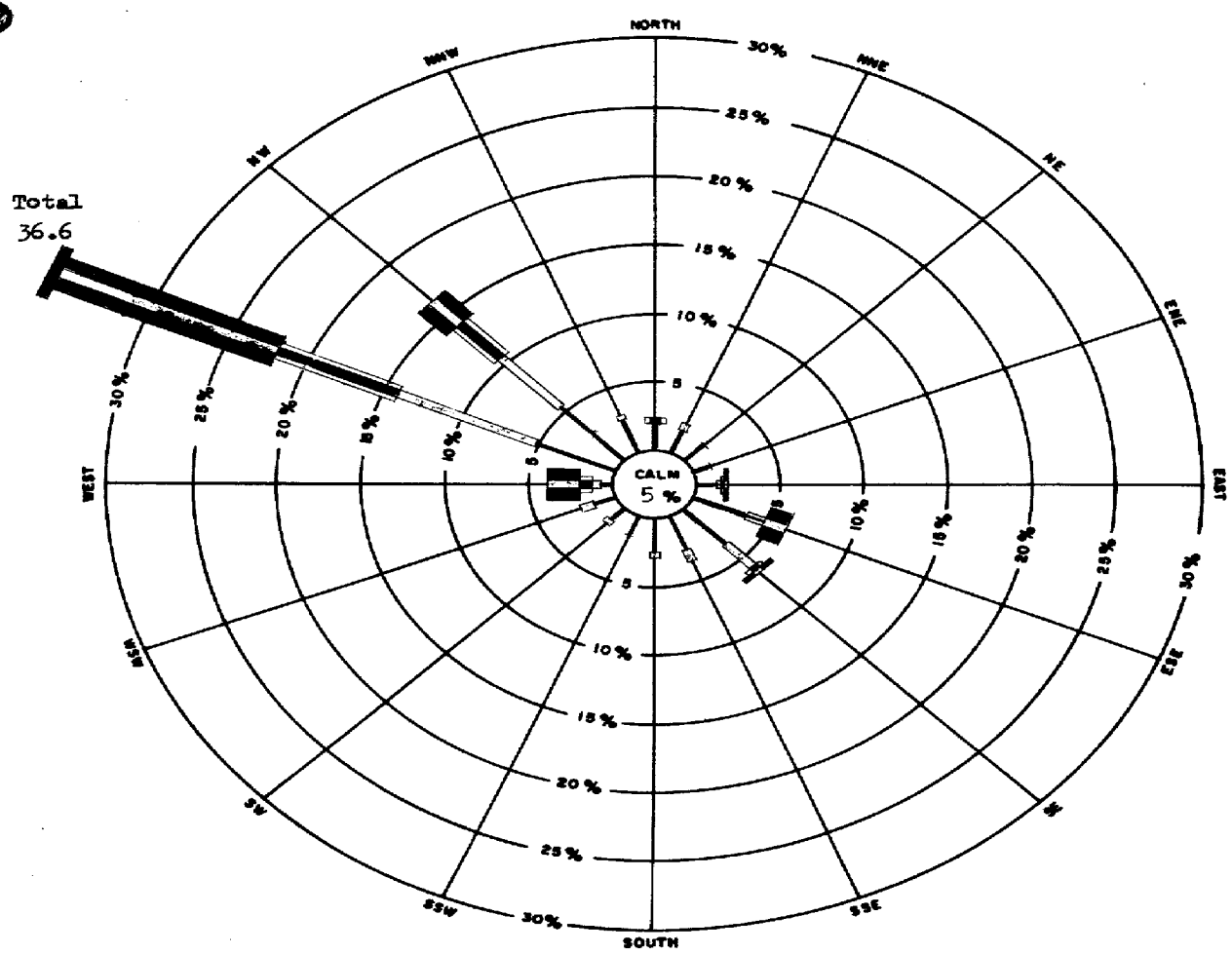
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: March	Year: 1963
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station [redacted]	
		Lat: 26°48' N.	Long: 53°22' E



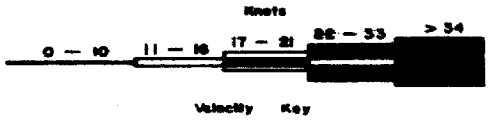
Met. Form 4

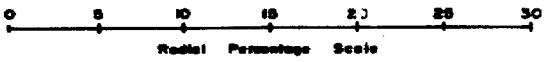
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 744

Hours recorded 744



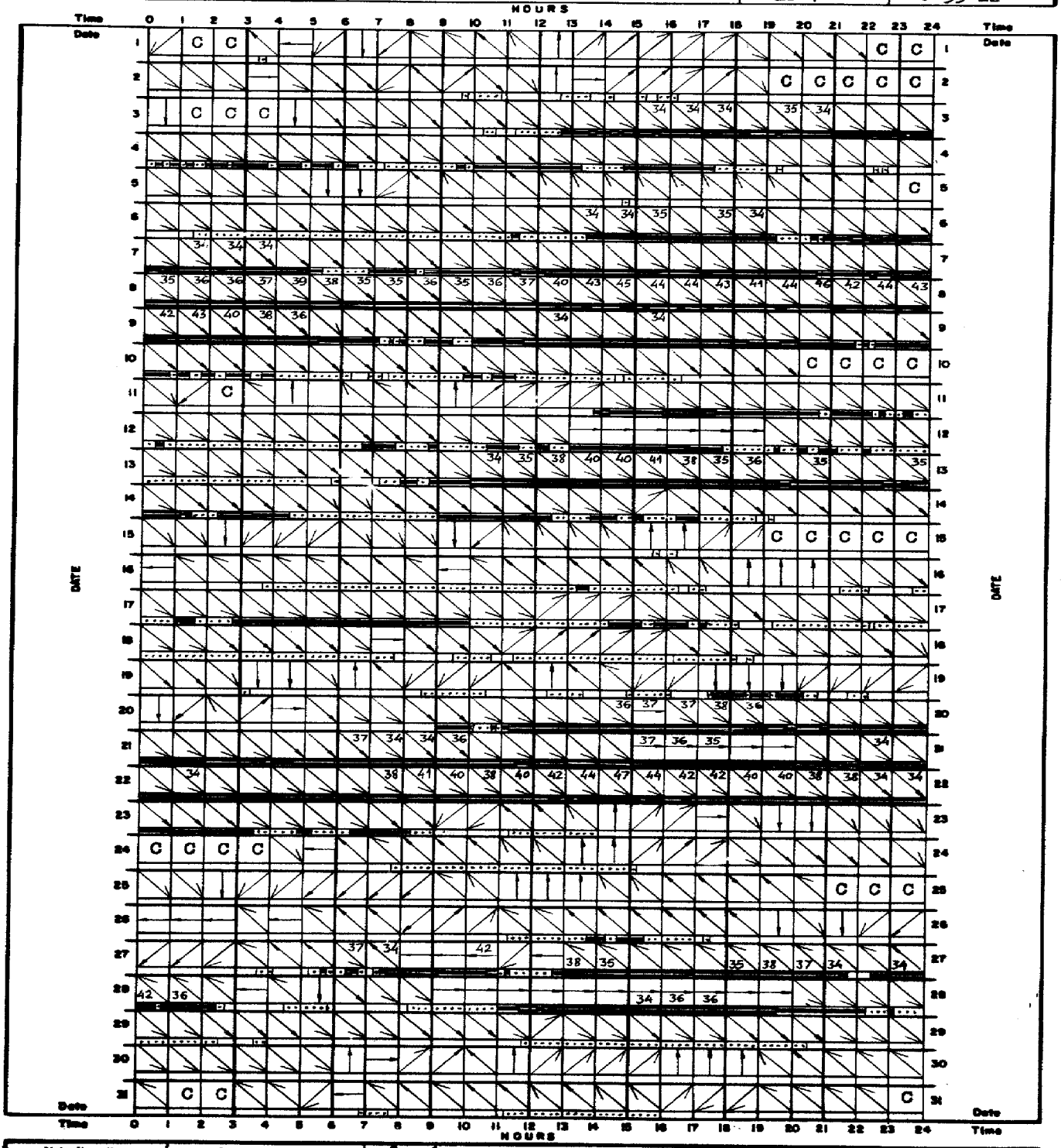


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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.

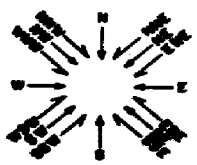
Remarks: The wind directions W, WNW, and NW constitute together 56.8% of all cases.

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: March	Year: 1963
	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 – 26
	> 34

Direction Key



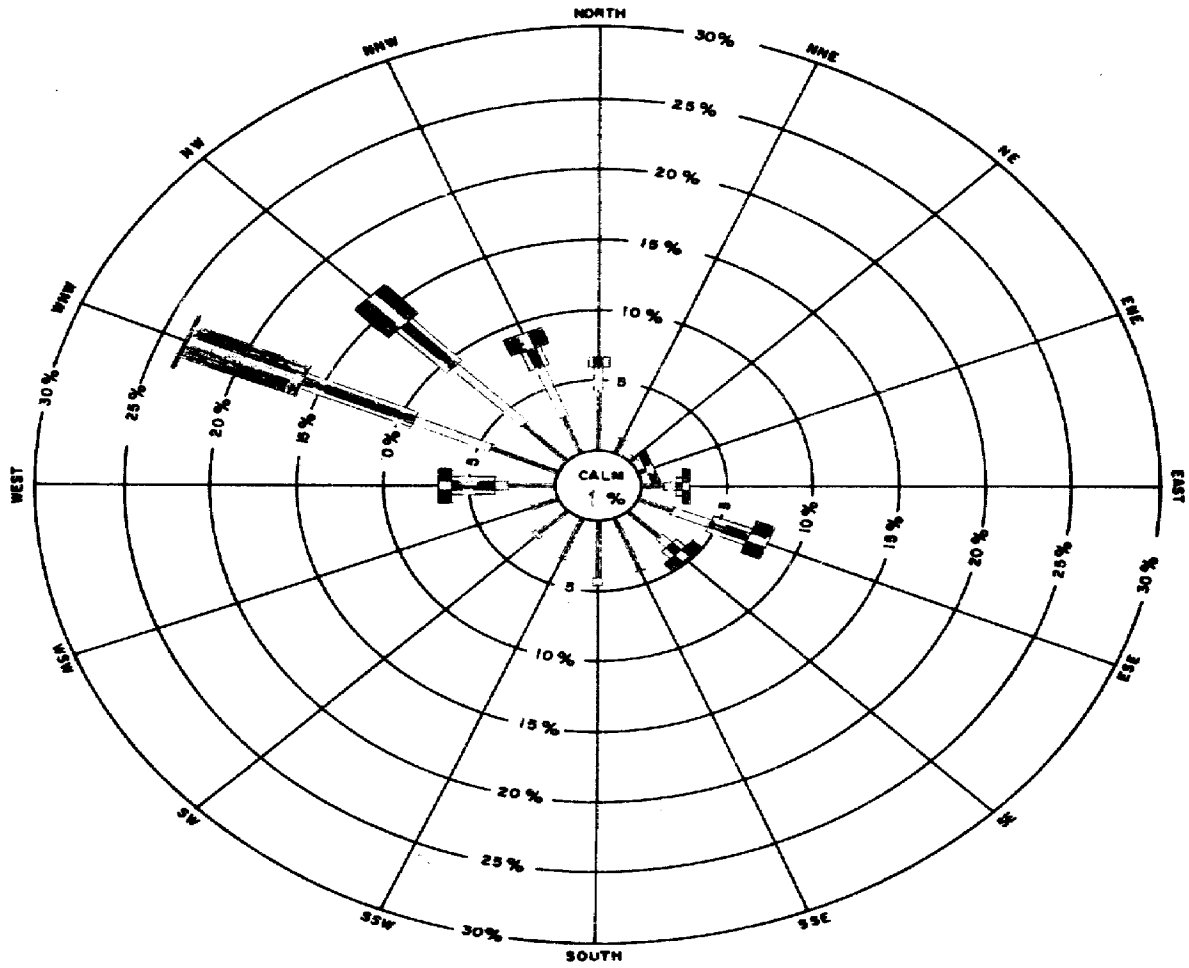
3 4
40

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:

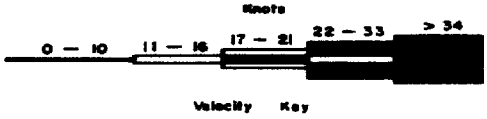
Met Form 6

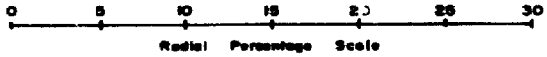
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: March	Year: 1963
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 744

Hours recorded 744



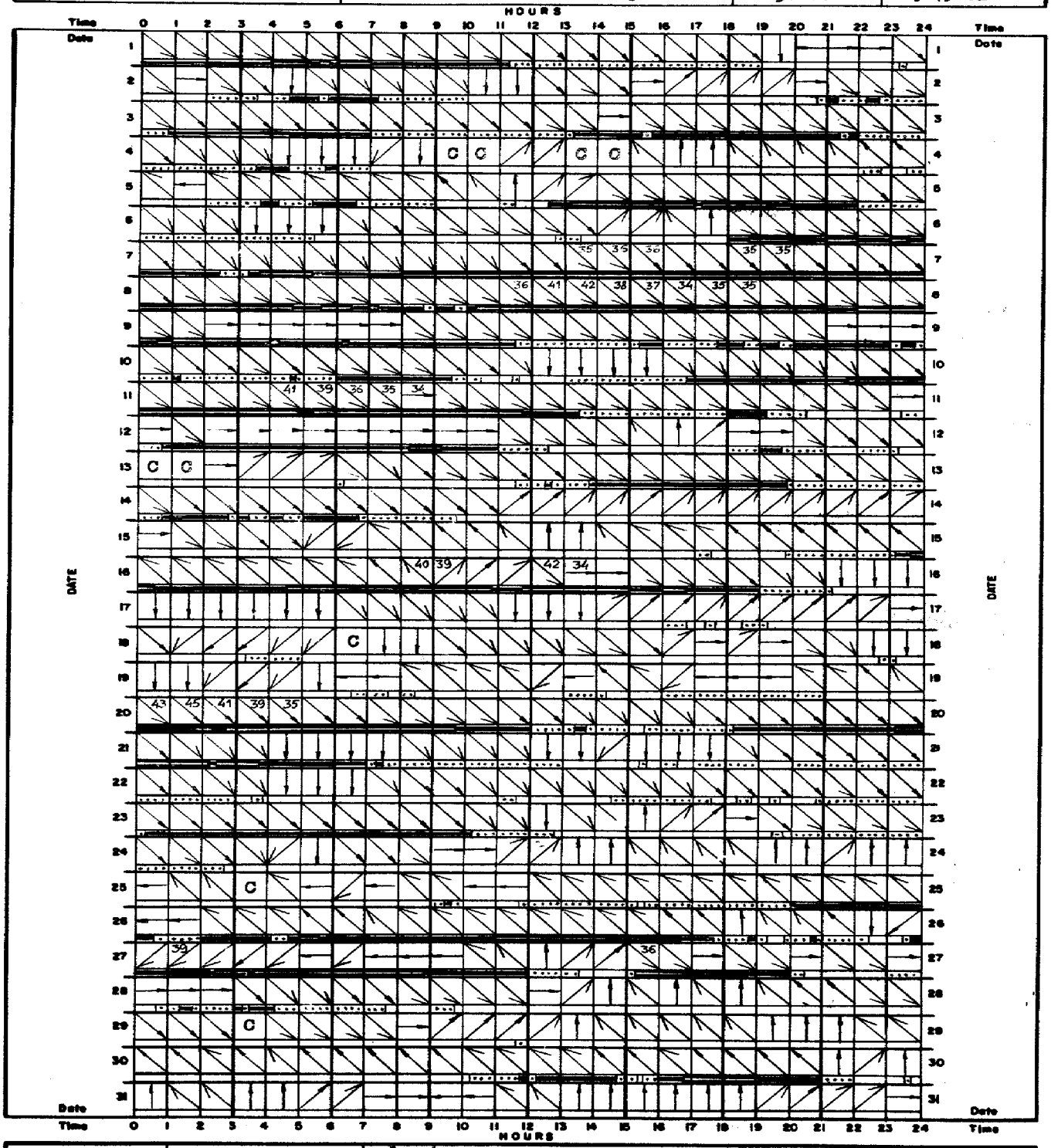


Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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:

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: March	Year: 1963
	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

	Colour
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

126.

MEAN SEA LEVEL PRESSURE (QFF).

Date	Masjid-i-Sulaiman			Agha Jari			Gach Saran			Ahwaz		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1017.0	1017.1	1013.9	1017.7	1017.9	1014.6	1014.9	1014.3	1011.8	1017.4*	1018.1*	1014.7
2	1012.7	1011.0	1009.4	1013.7	1012.0	1010.2	1010.3	1008.9	1008.4	1013.7	1012.0	1010.8
3	1011.8	1012.8	1011.5	1013.4	1014.3	1013.1	1010.4	1009.6	1009.6	1012.7	1014.5	1013.2
4	1014.1	1013.3	1012.8	1015.5	1015.3	1013.4	1013.2	1010.1	1012.1	1014.5	1014.7	1012.7
5	1007.7	1007.2	1008.6	1008.7	1009.4	1010.4	1007.5	1007.3	1007.9	1007.4	1007.0	1012.0*
6	1015.0	1016.7	1016.7	1016.0	1017.6	1017.0	1012.1	1012.0	1013.3	1016.2	1017.9	1017.0
7	1017.8	1018.5	1017.7	1019.2	1020.4	1019.0	1015.7	1015.4	1015.0	1019.5	1020.6	1018.8
8	1018.7	1019.1	1018.4	1021.7	1021.5	1019.4	1016.8	1015.3	1015.1	1020.4*	1019.9*	1018.7
9	1016.8	1017.0	1017.0	1019.0	1018.7	1017.5	1015.5	1014.3	1015.2	1018.1	1017.9	1017.2
10	1015.5	1015.7	1012.3	1016.8	1018.2	1013.7	1013.5	1015.7	1011.0	1016.4	1016.3	1013.6
11	1013.4	1014.7	1013.9	1015.3	1016.6	1014.6	1010.2	1010.4	1011.2	1014.9	1015.7	1014.7
12	1013.5	1013.9	1012.2	1015.3	1015.9	1013.8	1012.3	1011.0	1010.9	1014.3	1015.0	1012.9
13	1014.1	1014.5	1013.4	1015.7	1015.7	1014.0	1012.1	1011.4	1011.2	1015.1	1015.1	1014.3
14	1014.6	1014.5	1012.8	1015.7	1016.3	1014.1	1013.5	1012.6	1012.4	1015.2	1015.7	1013.6
15	1013.5	1012.8	1010.0	1015.3	1014.2	1011.2	1013.7	1011.8	1010.5	1014.4*	1013.7*	1010.0
16	1009.8	1008.5	1016.6	1009.4	1015.2	1017.9	1008.9	1012.4	1013.8	1007.1	1010.7	1017.5
17	1018.7	1017.6	1015.1	1019.8	1018.9	1015.9	1015.6	1014.5	1012.6*	1019.7	1018.7	1015.6
18	1013.6	1014.0	1011.6	1015.0	1014.7	1011.7	1013.0	1010.9	1009.3	1015.0	1014.7	1012.1
19	1008.4	1009.7	1008.2	1010.9	1011.2	1008.3	1009.1	1008.7	1008.6	1010.1	1009.1	1008.1
20	1013.8	1016.3	1016.0	1015.4	1018.3	1017.5	1011.0	1012.9	1013.4	1015.0*	1017.7*	1017.4
21	1019.2	1018.2	1017.4	1020.3	1019.8	1017.7	1016.8	1015.5	1014.5	1019.9*	1020.0*	1017.7
22	1019.5	1019.6	1017.9	1019.8	1020.2	1018.0	1017.5	1015.5	1015.1	1019.9*	1020.1*	1017.8
23	1018.2	1017.3	1014.3	1019.8	1018.6	1014.9	1017.0	1014.7	1013.8	1019.4	1018.9	1014.8
24	1014.7	1014.7	1012.0	1016.1	1016.5	1013.3	1014.3	1012.5	1012.4	1015.6	1015.8	1012.2
25	1012.7	1012.3	1009.2	1014.5	1012.9	1010.5	1012.5	1010.8	1008.2	1013.1	1012.2	1008.9
26	1009.5	1011.5	1009.6	1011.3	1013.7	1011.6	1010.8	1013.5	1010.5	1009.3	1010.7	1009.5
27	1008.0	1009.1	1008.9	1009.2	1006.7	1007.1	1011.1	1006.2	1003.6	1008.3	1007.4	1007.4
28	1011.0	1012.3	1011.9	1011.4	1012.7	1011.8	1008.3	1008.4	1009.5	1010.3	1012.4	1012.0
29	1012.6	1012.4	1011.5	1014.1	1014.1	1012.0	1012.0	1010.9	1010.3	1012.9*	1013.2*	1011.0
30	1010.3	1008.9	1006.4	1011.5	1011.0	1007.5	1010.0	1008.3	1006.6	1010.4	1009.4	1006.2
31	1010.1	1011.6	1011.1	1012.3	1012.7	1012.6	1008.8	1009.0	1010.5	1010.7	1012.3	1012.0
Av.	1013.7	1014.0	1012.8	1015.2	1015.5	1013.7	1012.5	1011.8	1011.2	1014.4	1014.8	1013.4

Date	Abadan			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1018.9*	1019.5*	1015.0*	1017.4	1017.5	1013.8	1016.4	1016.3	1013.8	1016.0	1015.4	1014.1
2	1013.8*	1012.2*	1009.5*	1012.9	1011.4*	1009.3	1011.7	1010.4	1009.9	1012.3	1011.6	1010.1
3	1013.5	1015.4	1013.8	1012.7	1014.0	1012.8	1011.4	1013.2	1012.6	1010.2	1010.1	1009.8
4	1014.9	1014.8	1012.0*	1014.1	1014.4	1012.4	1014.0	1014.4	1012.5	1012.3	1012.8	1011.9
5	1006.4*	1007.5*	1011.0	1007.0	1008.7	1010.7	1008.6	1008.6	1010.1	1010.6	1011.4	1009.9
6	1016.5	1017.9	1017.0	1015.4	1017.0	1016.2	1014.1	1016.3	1015.1	1011.5	1012.3	1011.2
7	1020.1	1021.1	1019.5	1018.6	1019.9*	1018.4	1017.0	1018.8	1017.3	1012.7	1013.6	1013.0
8	1022.4*	1022.3*	1019.7	1020.6	1020.1	1018.1*	1019.9	1020.2	1017.6	1012.7	1013.5	1012.0
9	1018.7*	1018.6	1017.7	1018.0	1017.5*	1016.8	1017.3	1018.1	1016.1	1013.1	1013.9	1012.9
10	1017.2	1016.7	1013.3	1016.0	1016.3	1012.4	1014.9	1015.1	1010.8	1013.0	1014.5	1012.7
11	1017.7	1017.0	1014.8	1014.6	1016.0	1014.0	1012.5	1015.7	1014.1	1012.1	1012.7	1011.6
12	1015.9	1016.0	1013.6	1014.7	1015.0	1012.9*	1014.2	1015.2	1013.2	1012.3	1012.7	1012.5
13	1015.2	1015.9	1014.9	1015.0	1014.7	1013.6	1014.0	1015.1	1012.7	1012.3	1012.2	1011.2
14	1015.9*	1016.2	1013.9*	1014.9	1015.6*	1013.4	1014.2	1015.4	1014.0	1012.8	1012.9	1013.2
15	1013.9*	1012.8*	1009.7*	1014.1	1013.7	1010.0	1014.5	1014.2	1011.4	1014.3	1015.0	1013.5
16	1005.1*	1013.4*	1017.4*	1007.6*	1013.4	1016.8	1009.6	1014.6	1016.1	1013.3	1014.6	1013.8
17	1019.7	1018.8	1015.6	1018.7	1018.2	1015.1	1017.7	1017.2	1015.0	1015.1	1014.8	1013.2
18	1015.5	1014.3	1011.1	1014.3	1013.7	1010.9	1014.0	1013.3	1010.7	1013.3	1013.2	1011.7
19	1009.5	1008.4	1007.6	1009.4	1009.8	1007.2	1009.7	1009.6	1007.2	1011.5	1011.3	1009.4
20	1016.1*	1018.8*	1017.5	1015.1	1018.0	1016.9	1013.7	1017.3	1016.3	1011.3	1012.4	1012.0
21	1020.7*	1020.3*	1017.6	1019.3	1019.1*	1016.7	1018.0	1019.1	1016.3	1014.7	1014.6	1013.3
22	1020.8*	1021.2*	1018.4*	1019.1	1018.5*	1017.3	1018.7	1019.3	1017.0	1014.7	1014.8	1013.2
23	1020.2	1019.4	1015.8	1019.1	1018.5*	1014.6	1018.0	1017.8	1014.9	1014.3	1015.5	1013.9
24	1015.7	1016.2	1012.1	1015.3	1015.6	1012.2	1015.0	1015.7	1013.0	1015.5	1015.6	1014.3
25	1013.0	1011.2	1007.2	1012.5	1012.0	1008.9	1012.9	1013.0	1009.7	1014.1	1014.8	1012.5
26	1007.7	1011.3	1010.3	1009.8	1012.2	1010.3	1010.6	1013.1	1010.6	1013.4	1014.8	1011.9
27	1007.5	1007.6	1007.5	1008.2	1007.3	1007.0	1009.7	1007.0	1007.2	1012.7	1009.6	1008.3
28	1011.6	1012.5	1012.0*	1011.4	1012.0	1010.0	1010.1	1011.6	1011.1	1009.7	1009.9	1009.9
29	1013.3	1013.6*	1011.5*	1012.9	1013.5	1011.1	1012.6	1013.3	1012.2	1012.1	1012.8	1011.8
30	1009.3	1008.3	1005.0	1010.4	1009.8	1006.0	1011.0	1011.3	1008.3	1012.3	1013.1	1011.4
31	1011.0	1012.4	1011.9	1010.8	1012.1	1011.8	1010.2	1012.8	1012.0	1011.6	1012.7	1011.0
Av.	1014.8	1015.2	1013.4	1014.2	1014.6	1012.8	1013.7	1014.6	1012.9	1012.8	1013.2	1012.0

* Values obatined from barographs.

MATS 1846-0071-63

APR 20 1964

IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

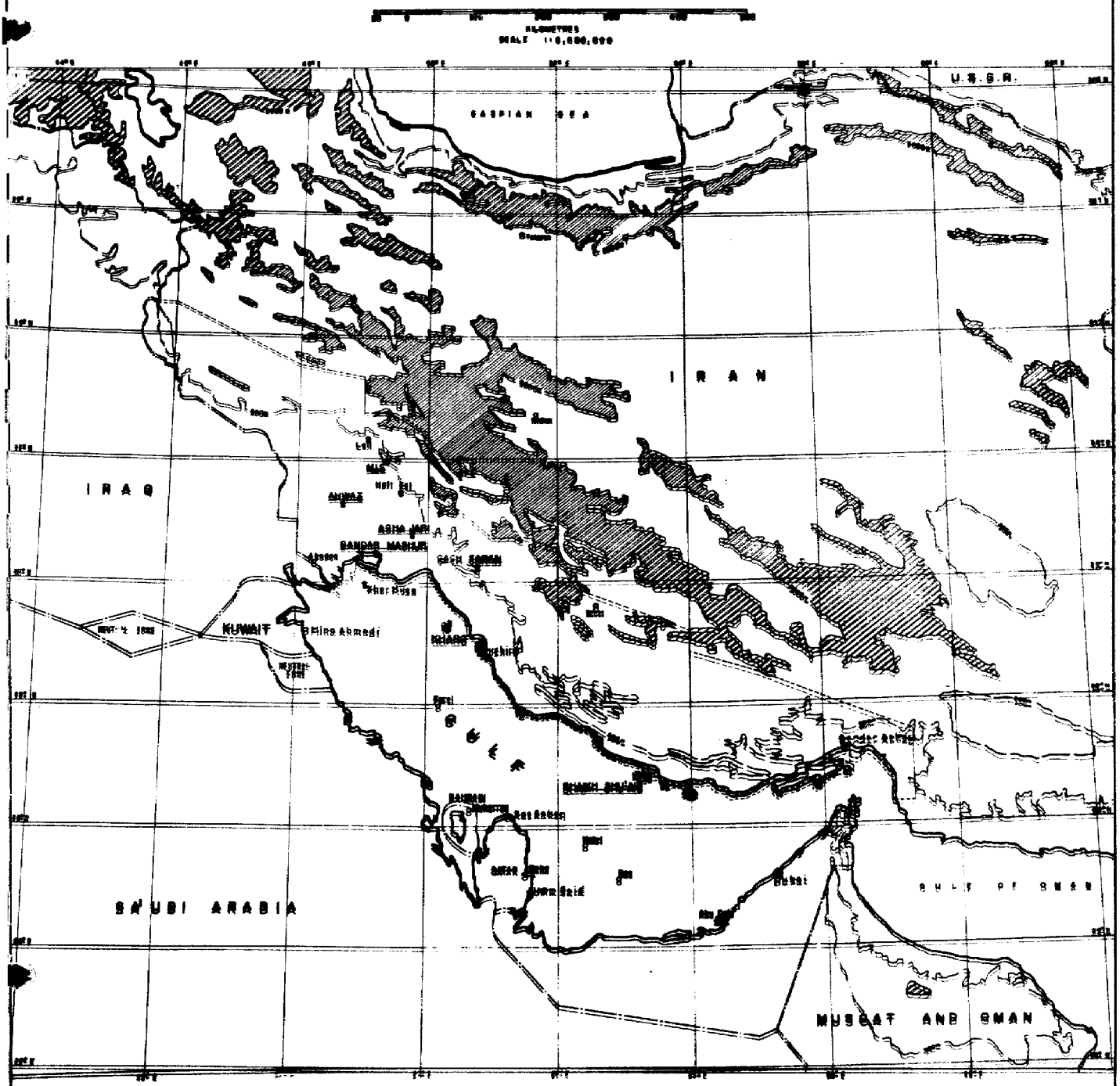
METEOROLOGICAL OBSERVATIONS

FOR

APRIL 1963

128.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



WEATHER BULLETIN

April 1963

CONTENTS.

The following stations are included in this bulletin.

Station	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	31°59' N	49°16' E	362 m.	4
Agha Jari (Ummidieh airport) 1)	40 833	30°44' N	49°40' E	29 m.	9
Gach Saran (Du Gombadan airport) 1)	40 835	30°20' N	50°50' E	709 m.	14
Ahwaz (Airport) 2) 1-22.4.	-	31°20' N	48°45' E	20 m.	17
" (Kut Abdullah airport) 2) 23-30.4.	-	31°13' N	48°43' E	15 m.	
Abadan (IOE&PC airport) 2)	---	30°22' N	48°13' E	3 m.	20
Bandar Mashur (Marine Department) 3)	40 832	30°30' N	49°12' E*	3 m.	23
Kharg Island (Airport) 1)	40 845	29°16' N	50°20' E	3 m.	28
Sheikh Shu'aib (Decca Navigator Stn.) 3)	40 882	26°48' N	53°22' E	2 m.	33
Khor Musa (Instrument platform) 4)	-	30°00' N	49°02' E	6 m.	38

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

*Wind recording at 30°33' N 49°09' E

REMARKS.

See Remarks in the March 1963 bulletin.

The station established at Ahwaz new airport on 1st March, 1963, was moved back to Kut Abdullah on 22nd April.

WEATHER.

The following table gives the departures from the normal February values of certain meteorological elements. In the last column has been given the rainfall, in percentage of normal, from the beginning of the winter until 30th April. (+ = higher than normal, - = lower than normal.)

	Maximum Temperature °C	Minimum Temperature °C	Sun Maximum Temperature °C	Relative Humidity (average of day), %	Rainfall in April, % of normal	Rainfall Oct 1962-April 1963 % of normal	Station Pressure mb
Masjid-i-Sulaiman	-1.0	+1.2	+3.1	- 6	97	48	
Agha Jari	+1.0	+0.5		+ 5	210	74	
Gach Saran	-1.0	-1.0	-1.5		80	39	
Abadan	-1.8	+0.2		- 1	536		-1.8
Bandar Mashur	-1.3	+2.0			208	55	
Kharg Island	+0.4	+1.7	-0.4		96	42	

T. Bergquist
Meteorologist
IMCOS Ltd.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: April Year: 1963

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 Rel. Hum. Daily avr. %	Humidity Rel. Hum. 1530 (avr.) %	Humidity Rel. Hum. 0630 (avr.) %	Humidity Dew Point Depression at 0930 °C	Humidity Vapour Pressure at 0930 mb	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.	Maximum Wind Velocity Date
Masjid-i-Sulaiman	29.6	34.0	21	17.5	12.1	5	14.8	9.5	1		60.2	67.2	22	40	29	55	14.2	12.4	52.7	21.0	12	969.1	975.2	1	962.2	16	50	270	28
Agha Jari	33.0	37.7	23	18.5	13.2	5	15.2	10.2	1		68.8	76.1	2	36	22	55	17.3	12.2	43.3	17.0	9	1008.5	1014.7	1	1002.0	16	58	270	28
Gach Saran	28.3	32.8	20	14.0	8.8	1	13.0	7.6	1		61.5	67.8	21	48	33	68	12.3	12.4	22.9	9.1	9	929.9	934.5	1	924.6	16			
Ahwaz	32.3	37.3	23	17.7	11.4	2	16.0	10.5	1		71.5	80.0	20	43	28	65	13.8	13.8	31.5	11.7	4	1008.2	1014.9	1	1001.1	16			
Abadan	32.1	37.4	28	19.4	11.1	1	17.2	10.2	1					47	31	68	12.0	16.1	77.2	57.9	4	1010.3	1017.3	1	1004.1	16			
Bandar Mashur	30.6	35.7	22	19.3	14.8	1	18.8	14.5	1					53	37	71	10.7	17.0	24.4	11.6	4	1010.0	1016.7	1	1004.0	16	52	290	23
Kharg Island	28.2	33.0	21	20.8	15.6	6	17.6	12.4	1		59.7	67.0	8	65	52	79	7.8	19.4	11.5	5.6	9	1010.1	1015.9	1	1004.5	16	35	180	24
Sheikh Shu'aib	29.5	35.7	22	20.7	17.7	2	18.3	14.3	16		64.0	71.1	19	71	62	84	8.1	21.8	Tr.	Tr.	5	1010.2	1015.1	12	1006.5	20	42	300	13
Khor Musa																											48	150	24

Station	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	5	1	0	2	10	12	3	2	1	0	0	0	0	6	24	0	0	0	0	16	14	0	0
Agha Jari	7	0	0	6	8	11	5	0	0	0	0	0	0	7	23	0	0	0	0	23	7	0	0
Gach Saran	7	0	0	2	14	11	1	2	0	0	0	0	0	2	24	4	0	0	0	11	19	0	0
Ahwaz	2	0	0	1	18	7	3	1	0	0	0	0	0	3	27	0	0	0	0	23	7	0	0
Abadan	1	0	0	0	9	18	0	0	0	0	0	0	0	13	17	0	0	0	0	23	7	0	0
Bandar Mashur	2	0	0	5	15	10	0	0	0	0	0	0	0	12	18	0	0	0	0	18	12	0	0
Kharg Island	5	0	0	4	19	5	2	0	0	0	0	0	0	15	15	0	0	0	0	8	22	0	0
Sheikh Shu'aib	0	0	0	0	22	2	0	0	0	0	0	0	0	17	11	0	0	0	0	11	19	0	0

Station	Cloudiness Daily Average	Cloudiness ≤ 2/8 at 0930	Cloudiness ≥ 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
Masjid-i-Sulaiman	4.9	11	15	0	2	1	4	0	7
Agha Jari	4.6	11	11	0	2	0	5	0	7
Gach Saran	3.9	14	11	0	0	1	5	1	7
Ahwaz	3.9	15	10	0	2	0	2	1	5
Abadan	3.9	13	5	1	2	0	0	0	2
Bandar Mashur	4.7	11	10	0	1	2	1	1	5
Kharg Island	3.7	14	11	0	0	1	2	1	4
Sheikh Shu'aib	3.7	17	8	0	0	0	0	0	0

Met. Form 2

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31° 59' N Long: 49° 16' 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	10.5	5.6	9.2	54	973.0	–	0	0	10	25.1	14.4	3.5	7.9	25	974.2	200	10	1	15	1
2	15.1	10.9	6.5	9.7	56	972.0	–	0	4	10	27.6	16.2	5.8	9.3	25	971.7	250	8	7	16	2
3	17.8	12.4	7.2	10.2	50	969.4	270	2	8	15	22.6	15.5	9.6	12.0	44	969.9	–	0	8	16	3
4	16.2	14.2	12.7	14.7	80	968.2	070	8	8	10	16.7	14.4	12.5	14.6	76	969.8	080	10	8	30	4
5	13.1	12.5	12.0	14.1	94	968.5	–	0	0	30	24.2	17.5	12.7	14.7	49	970.3	–	0	8	40	5
6	21.2	14.5	8.6	11.2	44	970.5	–	0	3	20	26.0	16.5	8.6	11.2	33	972.8	140	4	8	30	6
7	22.9	14.6	7.0	10.0	36	970.4	–	0	3	20	29.9	16.2	2.7	7.5	18	971.8	180	20	8	16	7
8	20.0	15.0	11.0	13.1	56	971.1	–	0	8	8	30.7	17.5	6.1	9.5	22	971.8	130	4	3	10	8
9	22.2	15.4	9.7	12.1	45	968.2	020	2	8	15	26.2	18.4	13.0	15.0	44	969.6	270	20	8	3	9
10	17.7	17.5	17.4	19.9	98	969.5	350	10	8	8	25.0	20.0	17.0	19.4	61	969.1	160	6	7	30	10
11	21.6	18.9	17.2	19.7	76	967.3	180	12	8	20	17.4	17.0	16.7	19.1	96	969.1	090	4	8	20	11
12	16.3	15.0	14.0	16.1	87	970.2	090	6	7	20	22.7	18.5	15.8	18.0	65	971.2	–	0	4	25	12
13	13.5	12.2	11.1	13.2	85	971.8	–	0	0	20	23.1	13.0	1.7	6.9	24	972.3	270	10	5	30	13
14	13.0	11.5	10.1	12.4	83	969.2	–	0	0	20	23.7	15.5	8.4	11.1	38	968.1	320	10	0	40	14
15	17.5	14.5	12.1	14.2	71	964.2	–	0	5	30	26.8	16.5	7.7	10.6	30	965.2	300	2	2	40	15
16	17.5	13.5	10.0	12.3	61	961.0	–	0	2	20	26.5	17.5	10.6	12.8	37	962.1	200	10	1	15	16
17	21.7	13.3	4.7	8.6	33	966.0	090	10	7	15	28.1	16.5	6.3	9.6	25	967.7	180	12	7	20	17
18	24.7	15.0	5.9	9.3	30	968.1	120	5	8	8	30.5	17.6	6.7	9.9	23	968.8	180	15	x	1.5	18
19	21.5	15.3	10.2	12.4	48	969.1	270	5	0	8	30.0	15.6	0.1	6.2	15	970.0	180	15	3	9	19
20	17.5	11.5	5.0	8.8	44	967.1	300	6	0	20	33.0	17.5	3.2	7.7	15	967.8	090	4	8	20	20
21	25.4	16.4	9.0	11.5	35	965.5	–	0	7	15	32.8	16.7	0.1	6.2	12	966.6	180	10	5	10	21
22	19.6	12.5	5.1	8.8	39	967.0	–	0	0	6	31.5	16.0	-0.6	5.9	13	968.0	270	8	3	20	22
23	24.3	14.5	4.9	8.7	29	966.4	–	0	8	15	31.4	16.5	1.6	6.9	15	966.2	070	3	3	20	23
24	23.0	16.2	10.8	13.0	46	964.6	060	28	6	20	29.6	18.5	10.1	12.4	30	964.1	060	10	8	15	24
25	22.2	17.0	13.2	15.2	57	966.7	–	0	0	10	30.2	15.0	-2.7	5.0	12	967.6	240	10	2	20	25
26	19.6	13.2	7.1	10.1	44	968.7	–	0	0	20	27.5	15.5	3.8	8.0	22	969.4	190	6	2	20	26
27	17.7	12.8	8.2	10.9	54	967.9	–	0	0	60	29.7	16.3	3.4	7.9	19	969.0	350	2	0	70	27
28	23.1	14.1	5.2	8.9	31	966.5	110	5	0	60	31.7	17.5	4.8	8.7	19	967.2	–	0	0	60	28
29	24.0	15.0	6.8	9.9	33	963.4	090	20	7	10	32.0	18.2	6.8	9.9	21	964.1	170	20	4	3	29
30	21.5	16.4	12.6	14.6	57	967.4	070	6	4	15	28.5	18.8	11.9	13.9	36	967.4	170	5	0	12	30
Av	19.5	14.2	9.4	12.1	55	968.0	–	4	4	19	27.4	16.7	6.9	10.6	32	968.8	–	8	5	23	Av.

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: April Year: 1963

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°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		
23.9	13.9	3.5	7.9	27	973.1	250	4	7	15		26.9	13.2	9.5	60.7	180	14	0	Haze	1
27.0	15.3	3.8	8.1	23	969.6	180	10	8	18		30.1	13.5	10.2	65.1	170	15	0	"	2
21.2	14.4	8.3	11.0	43	968.6	060	12	7	40		27.0	16.4	13.5	52.0	080	25	Tr.	Rain	3
18.2	15.0	12.5	14.5	69	968.3	060	12	4	40		21.3	14.6	13.5	35.0	070	22	3.5	"	4
25.0	17.6	12.2	14.3	45	969.2	150	4	8	60		26.9	12.1	10.3	60.0	280	14	0	Cloudy	5
26.0	16.1	7.5	10.4	31	967.9	090	18	5	30		27.4	18.9	15.5	57.2	070	29	Tr.	Th.storm	6
28.3	16.9	7.2	10.2	27	970.4	200	4	8	10		31.6	20.3	18.2	61.8	180	22	0	Haze	7
30.0	16.3	4.4	8.4	20	969.2	–	0	8	18		32.6	19.5	15.6	65.2	170	12	0	"	8
18.0	17.5	17.2	19.7	95	968.9	150	5	8	5		30.0	17.4	17.6	55.0	190	28	5.8	Rain	9
26.5	20.3	16.6	18.9	54	966.4	–	0	3	30		27.9	16.5	14.6	54.2	140	15	4.1	"	10
22.5	19.4	17.5	20.0	73	967.6	160	15	7	12		26.6	16.3	17.2	52.5	120	26	14.6	Th.storm	11
22.1	16.2	11.6	13.7	51	970.8	–	0	2	30		24.1	15.5	15.0	58.0	210	26	21.0	"	12
20.5	13.5	6.7	9.9	42	970.5	–	0	0	40		23.2	12.1	10.0	62.8	280	12	0	Fair	13
23.1	16.0	10.3	12.6	44	966.6	300	3	8	40		26.4	12.5	10.2	58.2	280	14	0	P.Cloudy	14
26.5	15.5	5.1	8.8	25	961.8	–	0	6	30		28.7	16.5	14.2	61.0	230	16	0	"	15
26.2	16.3	7.8	10.7	31	962.7	190	6	5	20		29.3	16.6	13.4	60.2	150	25	0	Fair	16
27.5	16.0	5.4	9.0	25	965.6	090	4	8	15		29.8	17.5	14.9	62.8	070	22	0	Cloudy	17
28.1	17.8	9.8	12.2	32	967.7	180	5	8	8		31.9	23.5	21.1	58.3	180	28	0	Sandst.	18
26.7	14.0	-0.6	5.9	17	968.8	270	6	7	20		30.1	19.6	18.1	65.0	220	20	0	Haze	19
30.9	16.2	1.2	6.7	15	964.5	090	10	7	15		33.3	16.2	13.6	65.0	290	34	Tr.	Rain	20
31.0	17.0	4.1	8.2	18	965.5	260	6	0	5		34.0	23.4	21.6	66.2	080	28	Tr.	Haze	21
29.2	16.0	3.1	7.7	19	966.5	–	0	8	20		32.9	19.0	16.9	67.2	280	18	0	"	22
26.5	16.5	8.1	10.8	31	966.0	050	20	8	12		31.8	20.1	19.4	62.0	330	37	Tr.	Rain	23
28.2	17.0	7.6	10.4	27	963.2	160	10	8	7		32.0	19.8	16.8	62.0	070	39	1.5	Th.storm	24
27.8	15.0	1.6	6.9	19	966.6	290	15	1	20		31.3	21.0	19.0	65.8	280	21	0	Haze	25
27.2	15.3	3.6	7.9	22	967.8	300	8	1	25		29.9	18.5	15.6	61.8	300	19	0	Fair	26
29.0	15.6	1.9	7.0	18	967.2	270	8	0	70		31.4	16.9	13.2	62.2	310	18	0	Clear	27
31.0	16.7	3.4	7.7	17	962.3	090	4	8	40		33.8	19.7	16.4	63.6	270	50	0	Fair	28
29.0	17.8	8.9	11.4	28	963.3	170	10	5	3		33.2	21.3	16.3	63.0	160	35	Tr.	Haze	29
29.4	17.6	8.1	10.8	26	965.0	270	4	7	6		31.6	19.2	17.9	61.3	070	37	2.2	Th.storm	30
26.2	16.3	7.3	10.7	34	967.1	–	7	6	23										Av.

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

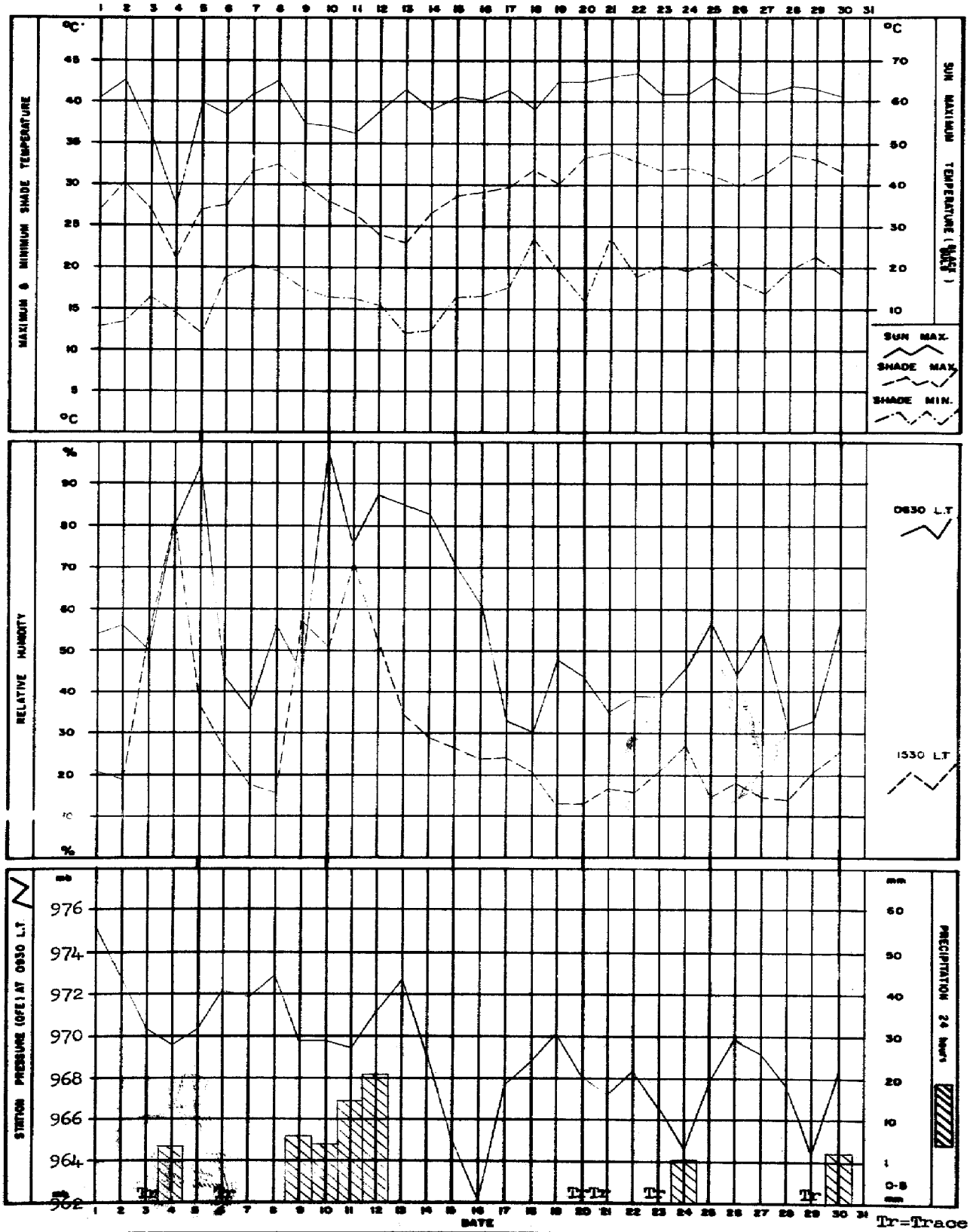
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

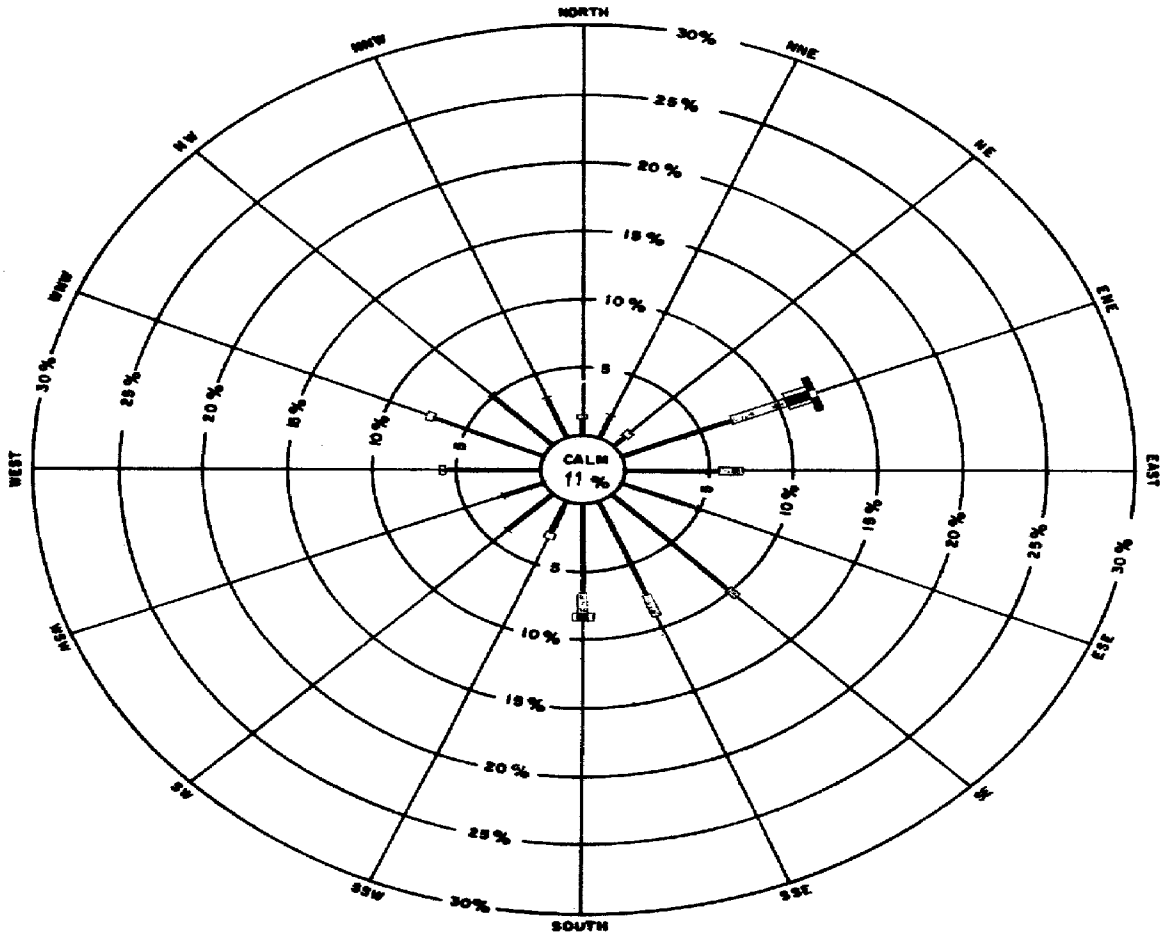
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 32°59' N.	Long: 49°16' E



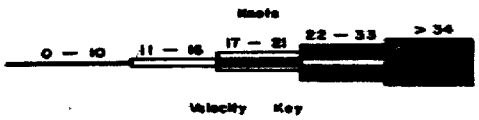
Met. Form 4

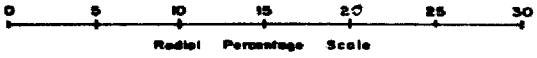
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Hours in month 720

Hours recorded 719





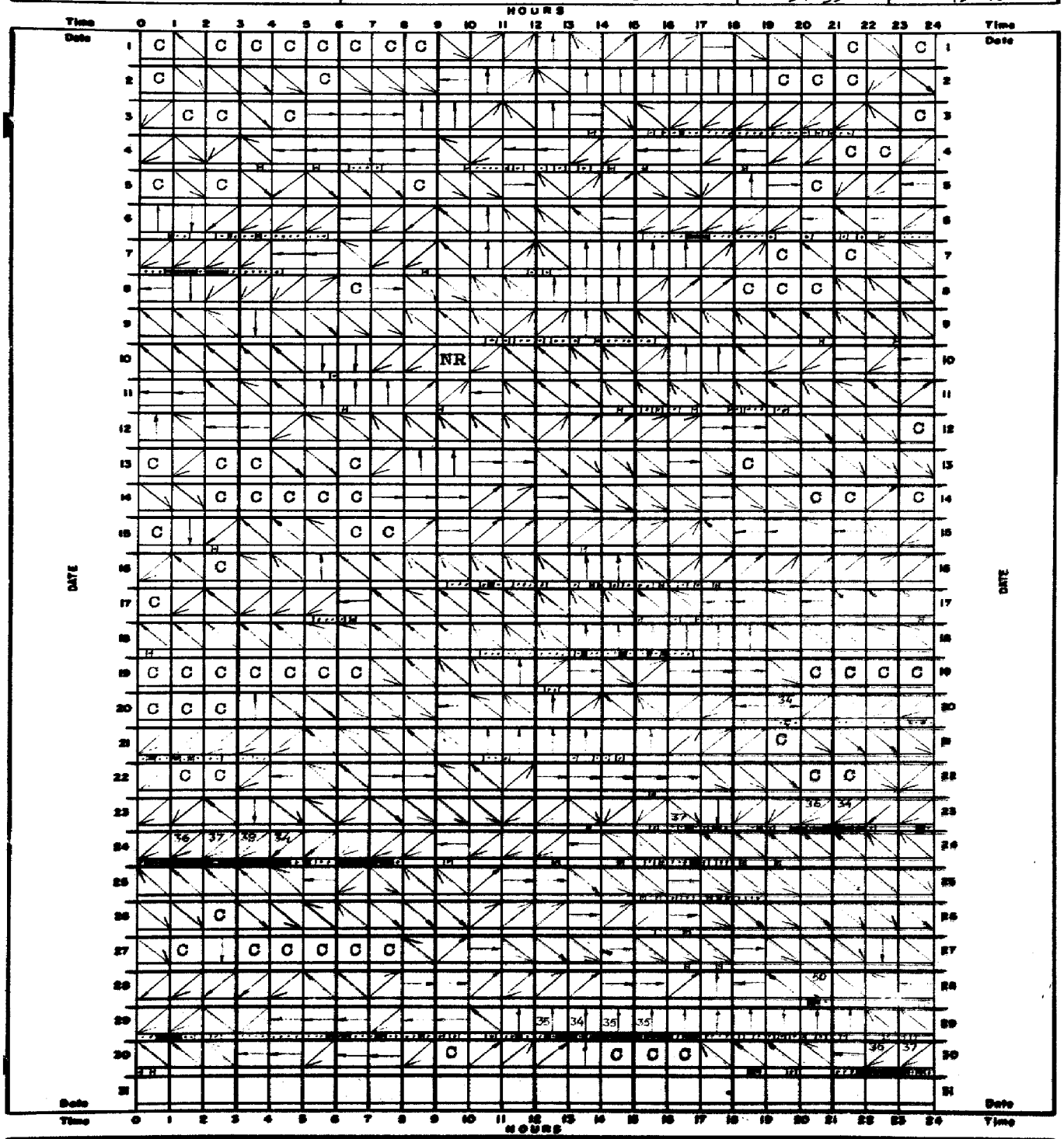
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

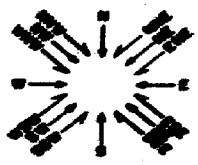
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: April	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Velocity Key

	Color
C	1 – 10 Knots
	11 – 16
	17 – 23
	24 – 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: April Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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	14.5	12.0	9.7	12.1	73	1012.9	–	0	0	10	29.0	14.7	-1.7	5.4	13	1013.8	310	10	2	30	1
2	14.5	9.5	3.5	7.9	48	1011.1	–	0	8	10	28.4	15.6	2.8	7.5	19	1011.2	270	4	8	20	2
3	19.7	13.9	8.7	11.3	49	1008.8	–	0	8	30	26.7	17.9	11.4	13.5	38	1009.5	360	2	6	30	3
4	17.1	15.7	14.7	16.8	86	1008.9	080	12	8	10	23.6	17.5	13.1	15.1	52	1009.2	170	5	6	30	4
5	14.7	13.6	12.7	14.7	88	1008.7	–	0	0	30	26.5	18.2	12.2	14.3	41	1009.8	300	4	2	40	5
6	17.0	14.8	13.1	15.1	78	1009.6	160	3	3	30	27.5	19.8	14.9	17.0	46	1012.0	340	7	8	40	6
7	19.0	15.2	12.2	14.3	65	1010.2	170	8	8	30	31.6	19.0	9.4	11.9	26	1010.7	170	15	8	30	7
8	19.3	13.7	8.6	11.2	50	1009.7	120	2	5	20	32.2	17.1	2.7	7.5	15	1010.5	180	5	4	10	8
9	23.6	13.5	2.7	7.4	25	1007.7	130	17	8	15	25.0	18.0	13.0	15.0	48	1010.2	110	25	8	15	9
10	20.4	19.0	18.2	20.9	87	1008.3	–	0	7	30	29.0	20.5	15.2	17.4	43	1007.6	140	7	4	30	10
11	21.3	19.1	17.7	20.4	81	1008.0	220	14	6	5	26.6	21.1	18.0	20.7	60	1007.7	120	12	8	12	11
12	20.2	17.6	15.9	18.1	77	1009.9	130	4	7	30	29.0	17.3	7.6	10.5	26	1010.5	150	6	4	25	12
13	19.0	11.5	2.9	7.6	35	1011.1	040	16	0	30	27.9	15.0	1.2	6.8	18	1012.1	300	12	3	35	13
14	14.8	12.0	9.4	11.8	70	1008.7	360	2	0	30	27.4	16.0	5.6	9.1	25	1007.8	300	12	0	35	14
15	16.2	13.4	11.1	13.2	72	1004.4	–	0	2	40	27.5	17.0	8.4	11.1	30	1004.9	–	0	2	20	15
16	18.3	13.0	8.0	10.7	51	1000.6	130	8	4	40	28.5	16.7	6.3	9.6	25	1002.7	220	10	2	20	16
17	19.6	14.4	9.9	12.3	54	1005.4	130	7	8	20	29.8	16.3	3.3	7.7	18	1006.9	160	15	8	20	17
18	23.0	14.4	6.1	9.5	34	1007.6	130	5	4	10	34.8	17.5	0.1	6.2	11	1007.7	170	26	x	2	18
19	21.2	15.5	10.9	13.1	52	1008.2	330	4	0	6	34.7	18.6	4.7	8.6	16	1009.0	320	14	8	10	19
20	17.4	11.2	4.4	8.4	42	1005.5	–	0	0	40	35.0	16.8	-3.6	4.6	8	1006.4	–	0	6	40	20
21	25.6	15.5	6.2	9.5	29	1004.8	–	0	6	15	35.2	17.2	-1.8	5.3	9	1005.5	170	15	6	10	21
22	18.4	12.5	6.7	9.8	46	1006.4	320	4	0	15	33.3	16.9	0.0	6.1	12	1007.1	280	8	1	30	22
23	20.8	13.8	7.0	10.1	41	1005.0	–	0	8	6	34.5	17.5	0.6	6.4	12	1004.4	–	0	4	8	23
24	29.9	17.5	7.1	10.1	24	1001.2	120	20	5	6	36.2	18.5	2.2	7.2	12	1002.9	180	26	3	3	24
25	24.0	17.1	11.9	14.0	47	1004.4	020	6	8	15	32.9	20.0	10.9	13.1	26	1005.9	–	0	4	12	25
26	20.7	13.5	6.5	9.8	40	1008.7	310	6	0	20	32.9	18.0	5.0	8.7	17	1008.0	300	12	4	17	26
27	20.5	14.0	8.1	10.8	45	1006.8	310	2	0	40	33.3	17.9	4.0	8.2	16	1007.8	34[illegible]	12	1	40	27
28	19.8	13.4	7.3	10.3	45	1005.7	–	0	0	40	35.4	18.6	3.7	8.0	14	1005.3	360	4	0	50	28
29	27.1	17.0	8.8	11.4	32	1002.5	130	12	8	8	34.8	18.7	4.9	8.7	16	1004.1	150	38	2	3	29
30	21.7	19.0	17.4	19.9	76	1006.1	–	0	8	12	32.1	20.1	11.9	14.0	29	1006.0	180	6	4	30	30
Avg.	20.0	14.5	9.6	12.8	55	1007.2	–	5	4	21	30.7	17.8	6.2	10.2	25	1007.9	–	10	5	23	Avg.

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: April Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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		
28.0	14.0	-2.9	5.0	14	1012.0	320	10	2	30		30.4	13.9	10.2	70.8	270	30	0	Haze	1
29.5	14.4	-4.3	4.3	10	1008.3	150	5	7	20		31.5	13.6	10.5	76.1	190	14	0	"	2
26.9	16.9	8.6	11.2	32	1007.3	190	17	3	30		30.4	18.6	16.5	73.9	190	23	0	P.Cloudy	3
23.5	18.8	15.7	17.9	62	1008.1	310	7	2	40		26.9	15.8	13.5	67.8	290	48	14.0	Rain	4
28.5	18.3	10.6	12.8	33	1008.3	320	7	3	40		29.4	13.2	11.3	67.5	300	14	0	P.Cloudy	5
30.9	17.5	5.8	9.3	21	1006.8	180	6	8	40		32.8	15.8	14.0	71.7	230	22	0	P.Cloudy	6
29.0	16.6	5.3	9.0	23	1008.9	180	11	8	10		33.2	18.4	16.1	67.9	160	26	0	Haze	7
28.9	16.9	6.3	9.6	24	1007,9	210	17	8	10		34.6	18.4	15.8	75.0	200	19	0	"	8
19.8	18.8	18.2	20.9	90	1008.6	130	10	8	30		29.1	19.2	17.9	54.0	120	33	17.0	Rain	9
28.5	21.6	17.7	20.4	52	1005.2	180	4	5	30		30.2	19,2	17.2	65.6	180	14	0	Cloudy	10
25.5	20.6	17.8	20.4	63	1007.2	140	8	5	14		28.5	19.1	17.4	64.0	[illegible]	28	4.6	Rain	11
26.4	17.0	9.5	11.9	35	1010.4	310	10	1	15		29.8	18.5	15.9	70.4			1.0	"	12
25.8	14.3	2.1	7.1	21	1009.7	280	7	1	40		28.3	16.5	13.6	68.2	330	14	0	Fair	13
26.9	16.7	8.2	10.9	31	1005.4	300	12	7	30		29.8	14.2	11.6	67.4	320	26	0	"	14
28.5	16.0	4.0	8.2	21	1001.4	130	15	6	25		32.1	15.7	15.1	70.5	160	20	0	P.Cloudy	15
29.6	16.8	5.3	8.9	22	1002.5	280	15	2	10		31.9	17.3	14.6	68.3	170	24	0	Haze	16
29.8	15.8	1.2	6.7	16	1004.0	170	17	3	20		32.6	18.0	15.6	69.4	180	31	0	Cloudy	17
30.9	16.0	0.4	6.3	14	1006.7	180	15	0	30		35.5	22.2	19.3	70.2	180	39	0	Haze	18
31.2	14.5	-7.8	3.2	7	1007.4	320	15	5	20		36.0	19.6	18.4	73.3	320	28	0	"	19
34.5	17.0	-1.7	5.4	10	1003.9	190	5	6	40		37.2	15.6	12.4	76.0	360	33	0	P.Cloudy	20
33.8	17.4	1.4	6.8	13	1004.3	200	5	7	10		36.6	24.1	20.0	66.2	190	23	0	Haze	21
34.0	16.0	-5.7	3.8	7	1004.4	300	10	6	30		36.5	17.7	14.0	75.4	320	23	0	Fair	22
35.2	18.5	3.4	7.9	14	1002.3	180	4	8	10		37.7	20.2	15.9	70.7	240	46	0	Haze	23
26.6	20.2	16.4	18.6	54	1002.4	130	10	8	8		36.8	26.1	16.8	53.9	170	39	2.0	Th.storm	24
32.3	17.1	2.6	7.4	15	1004.7	310	14	2	15		36.4	22.0	16.3	72.1	330	29	1.3	P.Cloudy	25
31.2	17.2	4.4	8.4	18	1006.5	310	15	3	40		33.9	19.7	15.2	67.3	300	27	0	"	26
32.5	16.8	1.1	6.6	13	1005.8	320	8	1	40		35.2	19.1	14.6	69.4	300	34	0	Fair	27
34.6	17.3	-0.4	6.0	11	1001.0	180	4	5	40		37.0	18.2	12.9	73.9	270	58	0	"	28
31.4	18.0	6.7	9.9	22	1002.3	170	22	8	6		35.8	25.4	19.1	72.2	170	44	Tr.	Th.storm	29
27.6	20.0	15.2	17.3	47	1004.9	210	20	8	10		34.2	21,1	15.5	57.8	210	30	3.4	"	30
29.4	17.2	5.5	10.1	27	1006.0	-	11	5	24									-	Av.

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

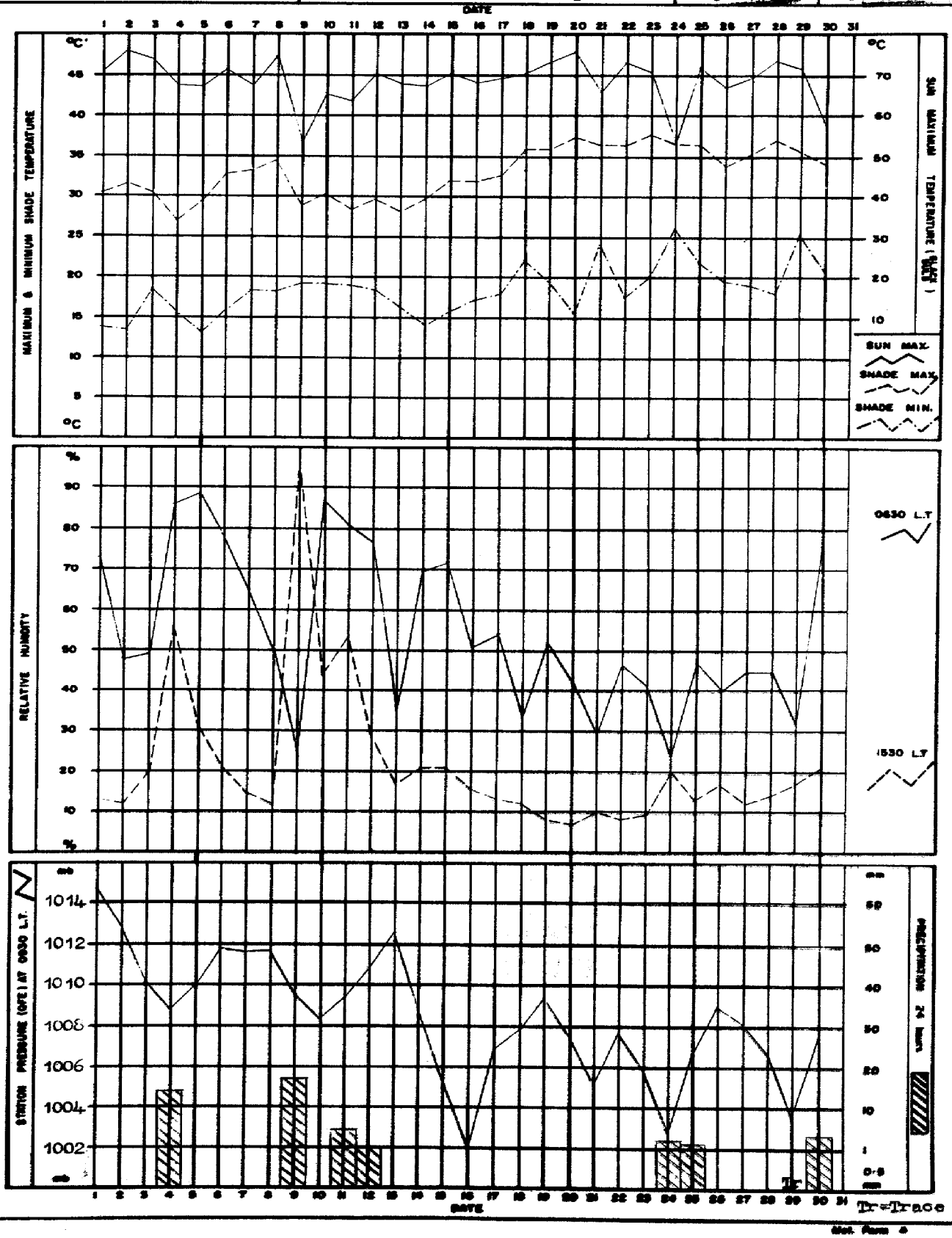
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

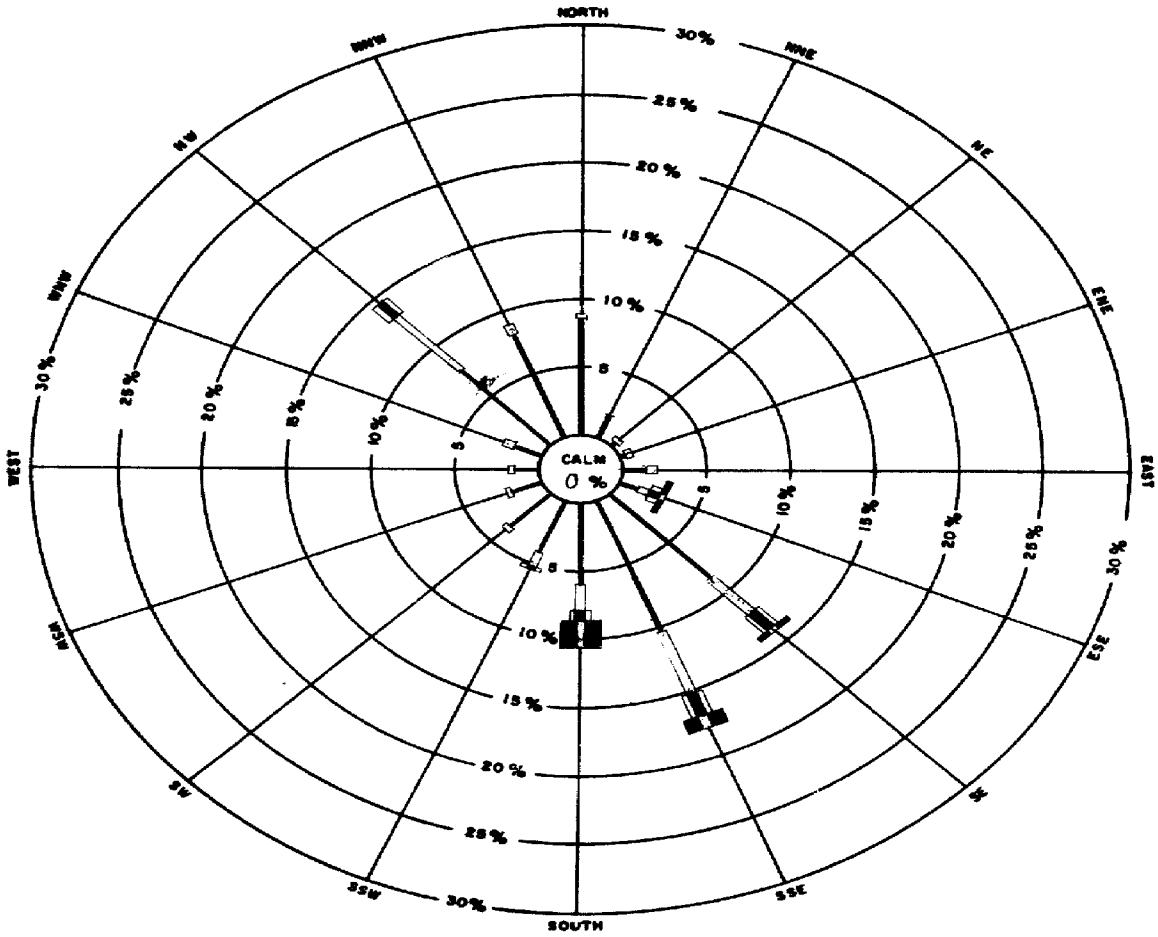
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: [illegible] Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat 30°44' N.	Long: 49°40' E



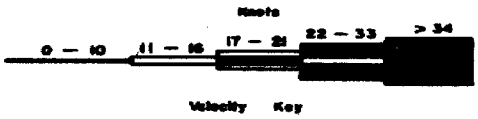
Met. Form 4

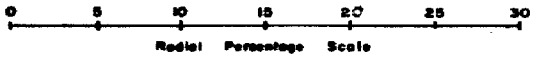
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Hours in month 720

Hours recorded 711





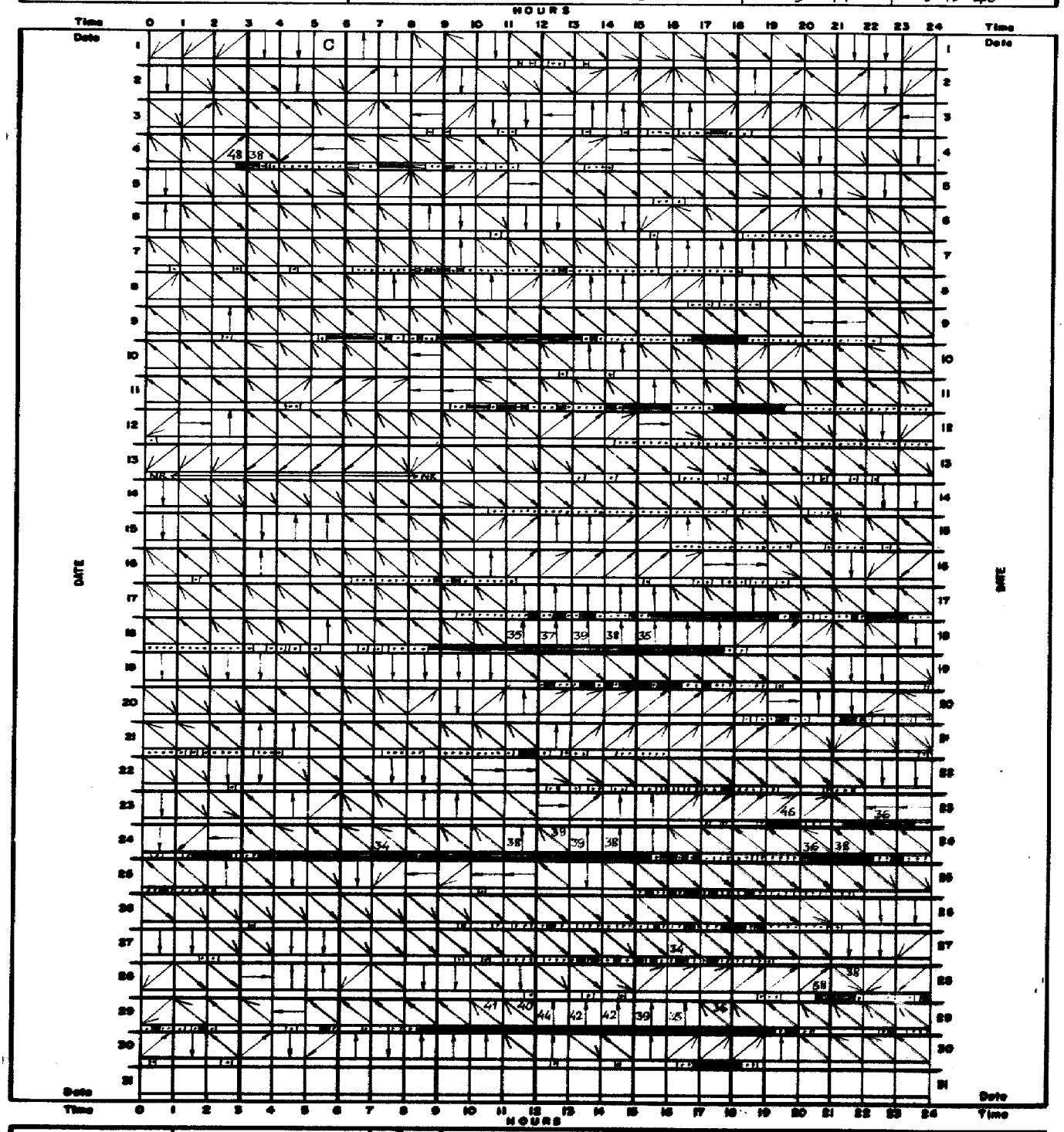
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

Remarks:

Met. Form 9

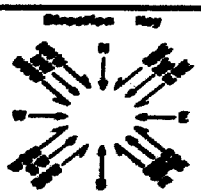
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: April	Year: 1963
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



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 b.s indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Ref Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	9.5	7.7	5.6	9.1	76	933.0	–	0	0	16	23.7	13.8	3.5	7.9	27	933.4	–	0	3	20	1
2	10.9	7.6	3.4	7.8	60	932.0	–	0	7	20	25.1	13.9	1.7	6.9	22	931.9	–	0	8	20	2
3	14.9	10.4	5.4	9.0	53	929.0	–	0	8	16	20.6	12.3	3.2	7.7	32	931.1	190	30	8	20	3
4	13.9	11.7	9.7	12.0	76	928.9	270	10	8	14	17.0	14.0	11.5	13.6	70	929.1	120	13	7	25	4
5	10.7	10.3	9.9	12.2	95	928.7	–	0	0	20	24.1	15.6	8.3	10.9	36	929.6	–	0	2	25	5
6	12.1	11.1	10.1	12.4	88	931.0	–	0	0	30	27.8	16.5	6.6	9.8	26	932.3	300	10	1	25	6
7	15.8	11.8	7.8	10.6	59	932.2	–	0	5	20	28.6	16.4	5.3	9.0	23	931.7	–	0	8	20	7
8	15.6	11.5	7.4	10.4	58	932.2	–	0	2	20	30.5	18.2	8.6	11.1	26	931.8	150	8	6	15	8
9	20.3	14.2	8.8	11.3	47	930.4	090	12	8	15	18.0	16.7	16.0	18.0	87	932.1	120	14	8	6	9
10	17.0	16.3	16.0	18.0	93	929.5	100	8	6	20	24.8	20.0	17.2	19.6	63	929.2	100	10	1	30	10
11	18.2	16.7	15.7	17.8	85	928.4	–	0	8	20	23.5	18.2	14.6	16.6	57	929.7	080	12	8	15	11
12	15.8	15.2	14.8	16.8	94	930.7	–	0	3	30	24.0	18.8	15.4	17.6	59	931.4	130	6	6	30	12
13	10.9	10.5	10.1	12.4	95	930.9	–	0	0	20	21.9	13.9	6.2	9.5	36	931.2	280	18	1	25	13
14	9.6	8.3	6.8	9.9	83	928.0	–	0	0	20	21.9	15.0	9.1	11.5	44	927.5	–	0	0	25	14
15	12.2	10.8	9.4	11.8	83	924.9	–	0	5	20	25.0	17.1	11.1	13.2	42	925.3	250	18	3	20	15
16	14.8	12.1	9.6	12.0	71	923.3	–	0	5	16	24.6	17.5	12.3	14.3	46	923.9	210	10	5	16	16
17	13.2	11.4	9.7	12.1	80	927.3	–	0	7	16	24.6	15.6	7.7	10.5	34	928.9	170	6	7	20	17
18	17.7	12.8	8.2	10.9	54	930.1	120	5	0	14	29.7	19.0	11.3	13.4	32	930.7	210	8	0	5	18
19	21.2	15.6	11.1	13.2	52	929.9	120	6	3	6	29.0	19.0	12.0	14.0	35	929.7	180	8	1	8	19
20	13.8	10.0	5.8	9.2	58	927.7	–	0	0	20	31.0	17.6	6.1	9.4	21	928.3	290	12	2	20	20
21	10.6	13.6	8.1	10.8	48	929.0	210	8	7	15	29.0	18.0	9.4	11.7	30	927.9	090	10	7	15	21
22	15.0	11.5	8.1	10.8	63	927.7	–	0	0	20	30.0	17.4	6.7	9.8	23	927.8	280	6	0	20	22
23	15.5	10.1	3.8	8.1	46	926.8	–	0	4	20	31.4	18.5	8.3	11.0	24	927.1	240	5	8	20	23
24	19.6	15.9	13.1	15.1	66	927.5	060	6	8	15	28.0	17.5	9.2	11.6	31	927.5	120	10	8	12	24
25	19.0	15.5	12.8	14.8	68	926.5	090	18	8	12	21.5	17.8	15.3	17.4	68	928.4	100	10	7	20	25
26	12.6	11.8	11.1	13.2	91	928.6	–	0	0	20	26.5	14.5	1.7	7.0	20	928.7	270	10	1	20	26
27	13.0	10.7	8.3	11.0	74	928.4	–	0	0	25	27.1	15.1	3.0	7.6	21	928.6	300	5	0	30	27
28	15.4	10.4	4.8	8.6	49	927.1	–	0	0	30	28.9	15.0	−0.4	5.9	15	927.0	280	14	0	40	28
29	21.0	14.0	7.5	10.4	42	926.3	210	5	8	5	28.6	16.0	4.0	8.1	21	927.5	180	17	2	16	29
30	20.1	15.5	11.9	14.0	59	928.3	060	6	7	10	27.1	16.5	7.4	10.3	29	927.9	–	0	7	8	30
Av.	15.3	12.2	9.2	11.9	69	928.9	–	3	4	18	25.8	16.5	8.4	11.5	37	929.3	–	9	4	20	Av.

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 3e

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	Height of 850 mb AMSL at 1530 L.T	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		
22.5	12.5	1.0	6.5	24	932.4	270	8	1	20	1439	26.2	8.8	7.6	61.2			0	Fair	1
24.0	13.7	2.8	7.5	25	930.6	270	6	7	20	1435	28.4	10.6	9.1	64.0			0	Cloudy	2
22.4	12.8	2.1	7.1	26	929.1	150	8	5	25	1418	25.6	14.1	13.9	64.5			Tr.	Rain	3
19.3	14.1	9.6	11.9	53	927.8	–	0	2	25	1401	22.4	12.6	11.3	53.5			4.7	"	4
22.4	15.8	10.5	12.7	47	929.2	270	13	4	30	1410	26.2	9.7	8.6	60.3			0	Fair	5
25.0	16.2	8.9	11.4	36	929.5	270	5	7	20	1430	29.0	11.0	9.2	64.0			0	"	6
26.9	15.9	5.9	9.3	26	931.4	230	7	7	8	1440	30.3	15.5	14.0	64.2			0	Haze	7
25.4	16.4	9.0	11.5	35	930.3	300	6	6	4	1433	31.6	14.0	13.0	66.0			0	"	8
16.3	16.3	16.3	18.5	100	930.0	120	10	8	1.5	1420	25.4	16.3	16.6	37.7			8.1	Rain	9
25.2	20.2	17.2	19.6	61	927.2	–	0	3	20	1408	27.5	15.8	15.5	60.8			3.6	P.Cloudy	10
21.8	18.6	16.6	18.9	72	929.8	140	10	4	5	1428	25.4	16.7	15.6	44.7			Tr.	Rain	11
22.8	16.5	11.7	13.8	49	930.3	270	12	2	40	1432	25.6	15.0	14.0	65.3			0	P.Cloudy	12
20.5	13.0	5.3	8.9	37	929.2	270	12	0	25	1417	23.6	10.3	9.0	58.9			0	Fair	13
21.8	15.6	10.6	12.7	48	925.2	270	15	4	25		24.6	9.0	7.7	58.9			0	"	14
23.2	16.0	10.2	12.5	44	924.2	260	10	5	20	1384	27.0	9.1	10.8	63.8			0	P.Cloudy	15
22.7	15.8	10.2	12.4	45	924.5	260	8	1	20	1368	26.1	11.8	13.0	64.2			0	"	16
26.0	16.5	8.6	11.2	33	927.8	120	10	1	20	1412	27.6	12.6	11.5	65.0			0	"	17
27.2	17.5	10.0	12.3	34	929.8	170	6	1	6	1436	31.7	17.3	15.2	64.5			0	Haze	18
26.4	16.6	8.4	11.0	32	928.4	290	13	6	8	1426	30.7	20.9	20.4	65.0			0	"	19
28.4	16.0	4.2	8.3	21	927.2	270	10	1	20	1413	32.8	13.3	12.4	67.0			0	Fair	20
27.4	17.3	9.2	11.7	32	927.0	320	8	1	14	1419	30.7	18.0	16.6	6[illegible].8			Tr.	Rain	21
28.3	15.5	2.6	7.4	19	926.0	280	10	1	20	1405	31.8	14.0	13.1	65.2			0	Clear	22
25.8	18.7	14.0	15.9	48	926.6	340	10	8	10	1406	32.5	15.0	14.0	64.0			0.6	Rain	23
23.9	16.5	10.4	12.5	43	927.3	090	5	8	5	1405	31.2	17.5	15.6	56.0			1.5	Th.storm	24
23.0	17.8	14.2	16.1	48	926.5	120	10	2	20	1407	25.6	16.6	14.8	62.0			2.8	Cloudy	25
24.8	14.5	4.4	8.3	26	927.2	280	15	2	20	1407	28.5	11.4	10.4	62.0			0	Fair	26
27.0	13.9	-1.6	5.4	15	926.8	300	10	2	25	1405	29.3	12.3	11.0	63.0			0	"	27
29.0	15.5	1.5	6.8	17	923.8	270	10	0	30	1395	31.2	12.6	11.1	64.0			0	Clear	28
27.2	16.0	5.8	9.3	26	926.0	160	10	3	15	1405	30.4	20.1	18.9	66.0			0	P.Cloudy	29
24.5	16.6	10.3	12.6	41	927.0	280	12	8	8	1400	28.8	17.7	15.1	62.2			1.5	Th.storm	30
24.4	15.9	8.3	11.1	38	927.9	–	9	4	18	1414									Av.

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

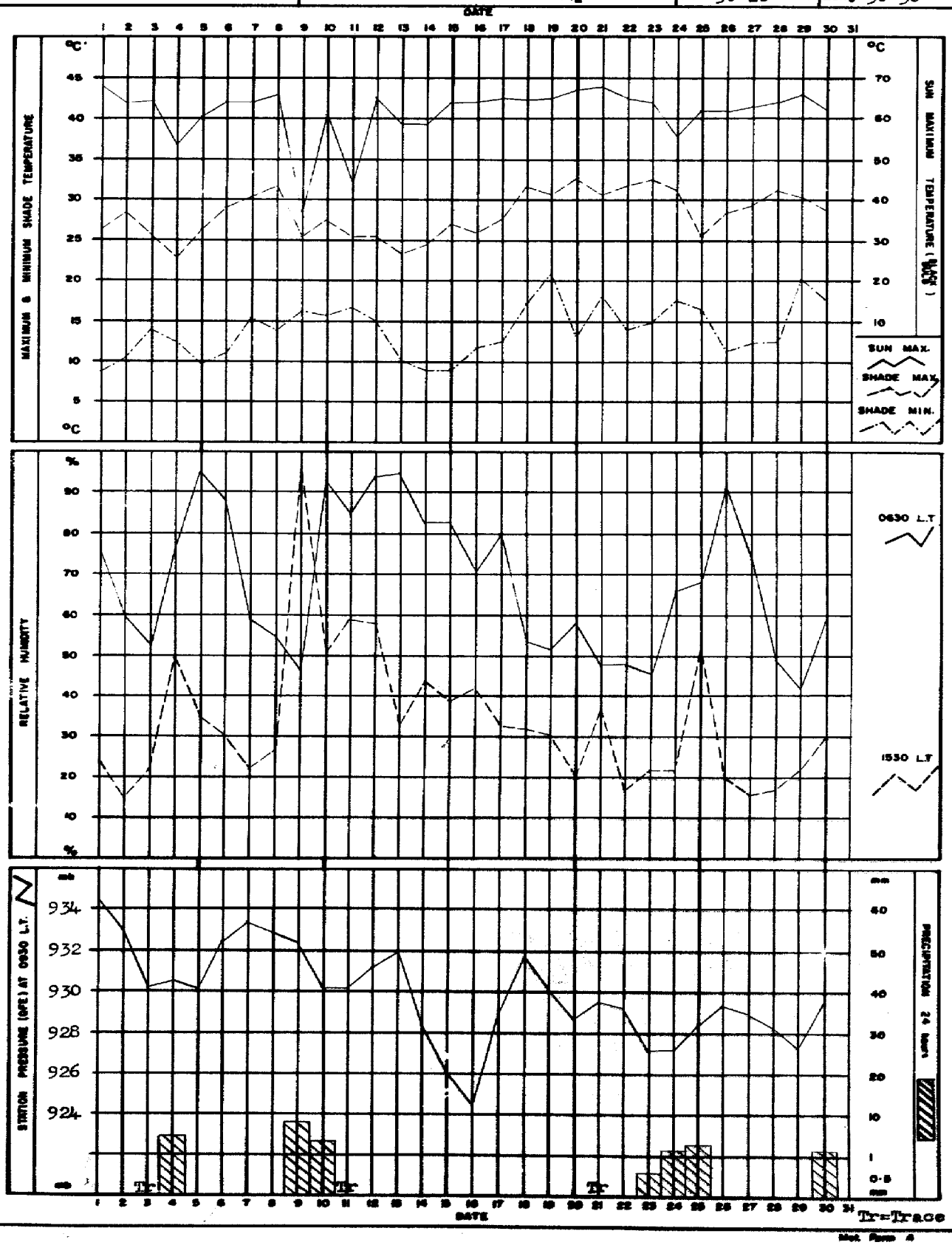
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Gach Saren	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 50°50' E



IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Ahwaz

Ground Level: 20 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°20' N Long: 48°45' 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	12.5	9.0	4.9	8.7	60	1012.8	120	5	0	30	27.0	14.8	2.0	7.0	19	1014.4	300	10	2	25	1
2	15.0	11.4	7.7	10.6	63	1011.2	300	8	7	20	28.8	16.7	6.0	9.4	24	1011.2	360	12	8	20	2
3	20.5	15.2	11.0	13.1	53	1008.2	290	10	8	20	24.0	17.5	14.9	16.9	57	1009.8	360	10	7	25	3
4	16.3	15.8	15.5	17.6	95	1007.3	040	6	8	10	21.0	18.1	16.2	18.5	74	1009.1	300	8	7	15	4
5	16.1*		15.5*	17.6*	96	1008.4*					25.7*		16.0*	18.2*	55	1009.9*					5
6	18.1	15.4	13.3	15.3	73	1009.4	180	6	4	20	29.3	19.3	12.4	14.4	35	1011.0	090	12	7	20	6
7	20.4	16.7	14.1	16.1	67	1007.9	110	20	2	6	28.5	19.5	13.3	15.5	40	1010.7	140	15	6	8	7
8	18.2	13.8	10.0	12.3	58	1009.6	090	6	7	20	33.3	18.3	5.6	9.1	18	1009.8	130	15	4	15	8
9	21.0	14.5	8.6	11.3	45	1006.8	100	10	7	20	22.1	19.1	17.3	19.8	74	1010.1	120	10	8	12	9
10	19.6	18.7	18.3	20.8	92	1008.2	–	0	8	15	27.7	21.0	17.1	19.6	53	1007.8	090	10	6	30	10
11	20.0	18.5	17.8	20.3	86	1005.9	210	20	8	4	22.7	20.2	18.8	21.8	78	1007.1	120	18	8	15	11
12	19.2	16.2	14.1	16.1	72	1009.6	–	0	3	15	25.9*		7.9*	10.7*	32	1010.7*					12
13	14.5	13.0	11.7	13.9	84	1011.3	–	0	1	30	25.6	15.0	5.0	8.6	26	1012.1	300	6	6	30	13
14	15.6	13.1	11.0	13.0	73	1009.1	300	4	0	20	26.5	16.0	6.8	9.9	28	1007.9	300	15	0	30	14
15	17.7	14.5	12.0	14.0	69	1003.7	240	4	2	30	29.3	17.2	7.0	10.0	24	1004.0	130	8	0	25	15
16	18.3	15.7	13.9	15.8	75	999.3	160	12	7	30	29.0	18.2	10.1	12.4	31	1001.8	210	15	0	15	16
17	18.7	14.4	10.9	13.0	60	1004.9	100	8	8	20	30.3	17.3	6.0	9.4	21	1005.8	110	20	6	5	17
18	25.7	15.3	5.6	9.1	27	1005.8	130	10	0	5	32.7	18.2	6.0	9.4	18	1006.5	170	20	x	3	18
19	19.9*		10.1*	12.4*	53	1008.2*					30.5*		3.4*	7.9*	18	1009.8*					19
20	15.6	12.3	8.9	11.6	65	1005.4	–	0	1	20	32.5	17.8	4.7	8.6	17	1006.3	180	5	6	20	20
21	25.2	17.0	10.6	12.9	41	1002.7	130	12	3	15	34.3	21.4	13.3	15.3	29	1004.9	–	0	6	12	21
22	18.6	14.4	11.0	13.0	61	1006,2	–	0	0	20	31.2	20.0	12.4	14.5	31	1006.8	350	10	0	20	22
23	20.8	16.0	12.4	14.4	59	1005.4	240	10	5	20	34.0	19.2	7.6	10.5	20	1005.0	340	8	2	20	23
24	20.7	17.7	15.8	17.9	74	1002.9	350	4	5	20	34.8	21.0	11.7	14.0	25	1002.2	180	20	2	10	24
25	20.8	16.8	13.9	15.9	64	1005.5	340	6	0	15	33.0	18.1	5.2	8.9	18	1006.7	330	14	0	20	25
26	19.1*		11.8*	13.9*	63	1008.4*					30.1*		5.4*	9.0*	21	1008.3*					26
27	17.2	14.0	11.3	13.4	68	1007.3	300	5	0	20	32.1	17.8	4.9	8.7	18	1008.8	300	16	0	25	27
28	19.0	13.7	8.9	11.4	52	1006.5	270	4	0	25	34.7	18.1	2.8	7.5	13	1005.9	–	0	0	40	28
29	22.8	16.0	10.6	12.8	47	1001.4	090	12	5	10	33.8	20.0	10.1	12.4	24	1003.5	160	32	6	15	29
30	19.5	15.0	11.4	13.5	60	1006.9	350	8	4	15	32.0	17.8	5.4	9.0	19	1006.5	340	5	1	20	30
Avg.	20.9	14.9	11.7	14.4	65	1007.2	–	7	4	18	30.4	17.6	9.2	12.2	32	1007.8	–	12	4	18	Avg.

* Values obtained from recording instruments.

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: April Year: 1963

Station: Ahwaz

Ground Level: 20 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°20' N Long: 48°45' 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		
25.7	15.3	5.6	9.1	28	1012.5	360	4	1	25		29.0*	11.5	10.5	71.8			0	Fair	1
27.2	15.6	4.6	8.5	23	1009.8	360	8	7	25		30.0*	11.4	11.5	68.9			0	Cloudy	2
27.0	17.7	10.8	13.0	35	1006.9	100	6	7	20		28.5*	18.0	16.8	68.9			0	"	3
21.7	18.0	15.5	17.8	69	1007.7	320	4	0	30		22.7*	16.1	15.5	69.4			11.7	Rain	4
27.8*		16.1*	18.1*	49*	1009.3	030	4	0	30		28.6*	14.4	12.5	68.5			0	P.Cloudy	5
29.0	17.3	7.5	10.3	26	1006.1	090	10	6	30		31.5*	17.2	15.7	67.8			0	Cloudy	6
28.0	18.9	12.6*	14.6	38	1008.6	160	6	8	10		33.0	19.1	17.0	68.4			0	Haze	7
31.0	17.5	5.8	9.2	20	1007.2	160	10	7	20		34.9	17.8	17.0	68.3			0	Cloudy	8
20.0	19.2	18.9	21.7	93	1007.4	120	20	8	15		26.1*	19.0	18.5	56.1			4.1	Rain	9
28.9	21.0	16.3	18.6	47	1004.6	110	10	3	25		32.8	19.0	18.0	74.0			Tr.	"	10
23.6	20.2	18.3	21.1	71	1005.6	110	18	4	15		31.1	18.3	17.2	66.0			11.2	Rainsh.	11
25.6	15.7	6.2	9.5	30	1010.5	300	10	1	25		27.7	18.3	16.4	68.3			0.5	Fair	12
25.0	15.2	6.1	9.5	29	1010.0	300	8	3	20		26.7	13.8	11.0	79.4			0	P.Cloudy	13
25.8	15.8	7.0	10.0	30	1005.8	300	15	4	15		28.4	15.4	13.3	69.4			0	Fair	14
29.7	16.3	3.3	7.8	18	999.7	160	12	7	15		32.2	17.2	15.3	71.1			0	"	15
28.7	15.4	1.6	6.9	18	1001.3	300	20	0	10		30.6	18.2	17.1	72.6			0	"	16
29.3	15.2	0.0	6.1	15	1005.5	150	8	x	1.5		32.4	17.7	16.8	75.6			0	Haze	17
31.5	20.0	12.2	14.2	30	1005.5	160	10	x	3		33.1	25.1	24.5	71.1			0	"	18
28.7	14.4	-2.5	5.0	13	1008.0*	300	12	4	25		31.7	18.5	15.1	76.7			0	Clear	19
33.5	18.3	5.2	8.9	24	1003.4	170	15	3	15		36.2	15.2	12.6	80.0			0	P.Cloudy	20
33.7	18.0	3.9	8.1	21	1003.7	300	12	1	8		36.7	23.0	23.0	77.7			0	Haze	21
32.1	18.2	6.8	10.0	21	1005.0	300	10	3	20		34.9	17.8	15.0	76.7			0	Fair	22
30.0	18.1	8.6	11.3	27	1005.2	360	20	8	10		37.3	19.8	18.0	77.0			Tr.	Rainsh.	23
29.2	22.1	18.3	21.0	51	1001.4	150	18	8	12		36.1	19.7	18.0	71.1			2.5	Th.storm	24
29.8	17.3	6.6	9.8	24	1006.5	280	16	1	15		34.2	19.5	17.6	71.2			0	Clear	25
29.2	17.4	7.6	10.5	25	1008.0	280	8	0	35		32.2	18.3	15.8	72.8			0	Fair	26
31.6	17.2	3.9	8.1	17	1007.0	270	8	0	30		34.3	15.6	13.0	72.0			0	Clear	27
33.2	18.0	4.6	8.5	17	1001.2	160	12	8	20		36.9	16.3	14.3	71.8			0	Fair	28
29.4	19.0	11.7	13.8	33	1002.3	180	20	8	15		34.7	20.8	18.1	68.9			1.5	Haze	29
30.8	19.7	12.1	14.1	32	1004.7	160	20	6	20		34.4	18.5	16.0	74.4			0	P.Cloudy	30
28.6	17.7	8.5	11.8	33	1006.0	-	12	5	19									-	

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

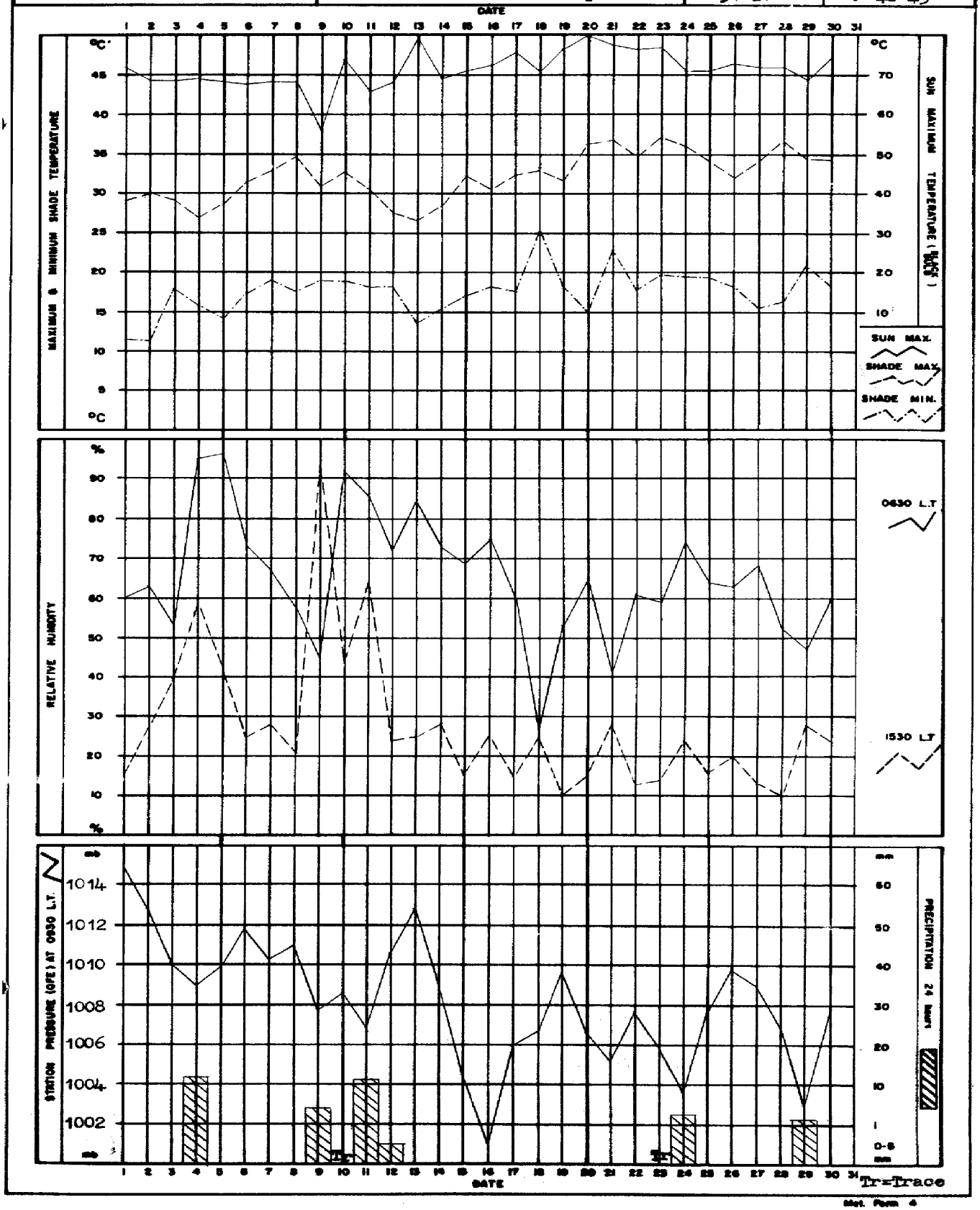
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 36

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Ahwaz	
Ground Level: 20 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°20' N.	Long: 48°45' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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	13.3	11.7	10.2	12.4	81	1015.2	320	4	1	8	27.9	16.7	7.0	10.1	27	1016.6	–	0	3	8	1
2	17.1	15.2	13.3	15.3	78	1015.6	290	4	7	12	29.0*		-2.5*	5.0*	13*	1013.5*					2
3	20.0	17.2	15.3	17.5	75	1010.4	340	6	8	15	26.6*		13.6*	15.6*	45*	1011.2	020	7	3	20	3
4	17.2	16.6	16.2	18.5	94	1009.9	090	6	8	8	22.8	19.3	17.3	19.6	87	1011.8	–	0	5	20	4
5	16.2*		14.5*	16.6*	90*	1011.1*					25.7*		15.9*	19.2*	55*	1011.4*					5
6	18.3	17.4	16.9	19.3	91	1011.7	330	4	3	10	27.4*		17.6*	20.1*	55*	1013.0	180	4	5	15	6
7	20.8	19.0	17.9	20.5	83	1009.6	170	8	5	10	30.0	20.3	14.0	16.1	38	1011.8	150	6	7	10	7
8	21.1	18.3	16.5	18.8	75	1011.0	160	4	7	7	31.1	21.1	15.0	17.1	38	1011.6	170	4	7	15	8
9	22.8	19.9	18.2	21.0	75	1008.6	170	4	8	10	25.0	21.2	19.1	22.2	70	1009.1	320	6	8	6	9
10	21.1	18.9	17.5	20.0	80	1008.6*	320	4	6	15	29.0	21.7	17.6	20.1	50	1008.9	140	14	3	12	10
11	19.3	18.3	17.7	20.2	90	1007.4	190	10	6	6	24.1	21.1	19.4	22.7	75	1009.1	160	12	8	10	11
12	17.5	15.0	13.1	15.1	75	1011.0*	–	0	0	10	25.0*		9.2*	11.7*	37*	1013.7*					12
13	16.1	13.9	12.1	14.1	76	1014.3	–	0	0	15	25.0	14.7	4.6	8.6	27	1014.5	–	0	3	20	13
14	17.2	14.3	12.1	14.0	72	1011.7	–	0	0	25	26.7	17.2	9.8	12.1	35	1010.9	310	12	3	20	14
15	18.3	15.0	12.4	14.4	68	1006.0	200	2	1	15	31.7	17.2	3.3	7.8	17	1006.0	190	10	1	25	15
16	17.8	14.3	11.4	13.7	67	1002.6	250	10	3	15	30.6	15.6	-0.8	5.2	13	1004.2	310	16	1	20	16
17	20.1	16.7	14.3	16.3	69	1006.8	–	0	7	12	30.9*		9.2*	11.7*	26*	1007.4	180	15	8	15	17
18	24.4	18.7	14.9	17.0	55	1007.4	160	12	0	2	32.2	21.7	15.4	17.5	36	1009.0	180	4	x	2	18
19	18.7*		8.1*	10.8*	50*	1010.7*					31.2*		1.4*	6.8*	11*	1012.3*					19
20	18.3	12.8	7.5	10.4	50	1007.4	210	2	1	25	32.8	18.3	6.2	9.5	22	1008.4	–	0	5	15	20
21	21.7	18.3	14.0	16.0	51	1005.5	180	6	5	15	34.9*		13.1*	15.1*	27*	1007.1	310	10	3	5	21
22	20.0	16.1	13.2	15.3	65	1009.6	–	0	0	25	34.4	20.0	9.4	11.8	22	1009.6	310	16	1	25	22
23	23.0	18.3	15.3	17.4	62	1007.0	320	2	7	12	35.0	23.7	17.7	20.3	36	1007.7	160	6	4	15	23
24	26.7	21.7	19.0	22.0	61	1002.5	110	15	6	10	35.0	25.6	21.2	25.4	45	1003.2	170	8	8	10	24
25	24.1	14.7	5.8	9.2	31	1006.7	350	12	3	12	32.4	17.1	2.5	7.4	15	1008.5	300	15	0	20	25
26	21.7*		9.8*	12.2*	47*	1009.8*					30.7*		7.8*	10.6*	21*	1010.7*					26
27	19.4*		11.2*	13.3*	59*	1009.2	–	0	0	20	31.7	18.3	7.4	10.3	22	1010.8	300	4	0	20	27
28	21.1	16.8	13.6	15.6	63	1007.4	270	4	0	20	36.1	21.1	10.9	13.1	22	1006.9	170	8	0	20	28
29	26.1	19.4	15.2	17.3	51	1003.0	140	8	8	20	32.8	21.1	13.8	15.7	31	1004.6	160	20	8	6	29
30	21.9	16.7	12.8	14.8	57	1008.7	–	0	3	25	32.5	18.3	6.4	9.8	20	1007.7	020	6	4	10	30
Av.	20.5	16.6	13.7	16.0	68	1008.9	–	5	5	13	30.0		10.7	13.9	35	1009.2	–	8	4	13	Av.

* Values obtained from recording instruments.

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: April Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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
25.3*		4.9*	8.7*	27	1014.7	300	4	4	20		30.0	11.1	10.2				0	Mist	1
28.9	16.7	5.8	9.3	23	1011.3	–	0	7	15		31.3	16.5	14.6				0	Cloudy	2
23.9	17.8	13.6	15.6	53	1009.1*	160	8	3	15		29.2	17.7	16.8				Tr.	Rain	3
24.0		16.0	18.2	61	1010.1	300	4	3	15		25.4	16.8	14.6				57.9	Th.storm	4
28.0*		17.2*	19.7*	52	1010.0*	310	2	3	15		30.0	16.1*					0	Mist	5
26.7	20.0	15.9	18.1	52	1008.7	120	12	4	15		32.6	16.7					Tr.	Th.storm	6
28.9	20.9	16.1	18.4	45	1009.5	–	0	5	8		32.8	20.0	19.5				0	Haze	7
28.7	19.2	12.8	14.8	38	1008.8	140	2	8	15		33.4	20.2*	20.1				0	Mist	8
23.3	19.9	17.9	20.6	72	1008.5	160	24	8	10		28.9	22.7	21.3				Tr.	Rain	9
26.1	20.0	16.3	18.5	55	1006.8	190	10	6	15		31.4	21.1	19.0				0	Haze	10
24.4	21.1	19.2	22.4	74	1006.3	150	18	7	10		26.1	18.9	18.0				19.3	Th.storm	11
25.9*		3.2*	7.7*	23	1012.7*						27.2	16.8*	16.0				0	Haze	12
25.0	15.4	6.7	9.9	31	1012.8	300	10	3	15		26.4	15.6	13.4				0	Fair	13
25.8	15.6	6.4	9.6	29	1008.6	330	18	4	20		28.3	16.8	14.0				0	P.Cloudy	14
27.5	16.7	7.5	10.4	28	1001.2*	120	10	8	10		32.8	17.3	14.7				0	"	15
28.9	16.1	3.9	8.1	20	1004.7	320	12	0	20		31.4	17.6	15.5				0	Fair	16
27.8	16.7	7.2	10.2	28	1003.3	150	30	0	5		31.9	19.1	17.5				0	Haze	17
30.6	21.0	15.2	17.3	40	1008.4	–	0	5	3		33.7	23.8*	24.0				0	"	18
29.0		–0.3*	6.0*	15	1010.4	330	10	6	15		33.3	19.2	18.3				0	P.Cloudy	19
28.9	19.4	13.1	15.1	38	1005.6	020	8	8	12		36.2	18.0*	16.0				Tr.	Rainsh.	20
33.7*		1.4*	6.8*	13	1006.9	360	10	4	10		37.0*	24.7	22.0				Tr.	Haze	21
32.5	18.9	8.3	11.0	22	1007.9	320	10	4	20		35.8	19.6	18.0				0	Fair	22
31.1	21.1	15.0	17.1	38	1008.4	270	10	4	10		36.7	21.6					0	P.Cloudy	23
30.4	22.8	18.7	21.6	50	1002.8	160	8	8	8		36.8	23.9					0	Haze	24
31.0		9.7*	12.1*	27	1007.6*	360	12	0	15		33.0	23.4					0	Fair	25
29.4		11.0*	13.1*	32	1009.5	–	0	0	20		34.1	20.9*					0	Clear	26
33.3	18.2	5.2	8.9	17	1008.3	300	8	1	20		34.9	19.3					0	Fair	27
30.6	19.7	12.3	14.3	33	1001.9	150	14	7	20		37.4	21.0					Tr.	"	28
29.1	21.1	16.4	18.7	47	1003.5	150	14	6	6		33.1	24.4					0	Haze	29
28.2	21.1	17.0	19.4	51	1006.4	180	6	3	6		33.3	21.1					0	"	30
28.6		11.1	14.1	40	1010.6	—	9	5	13									-	Av.

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

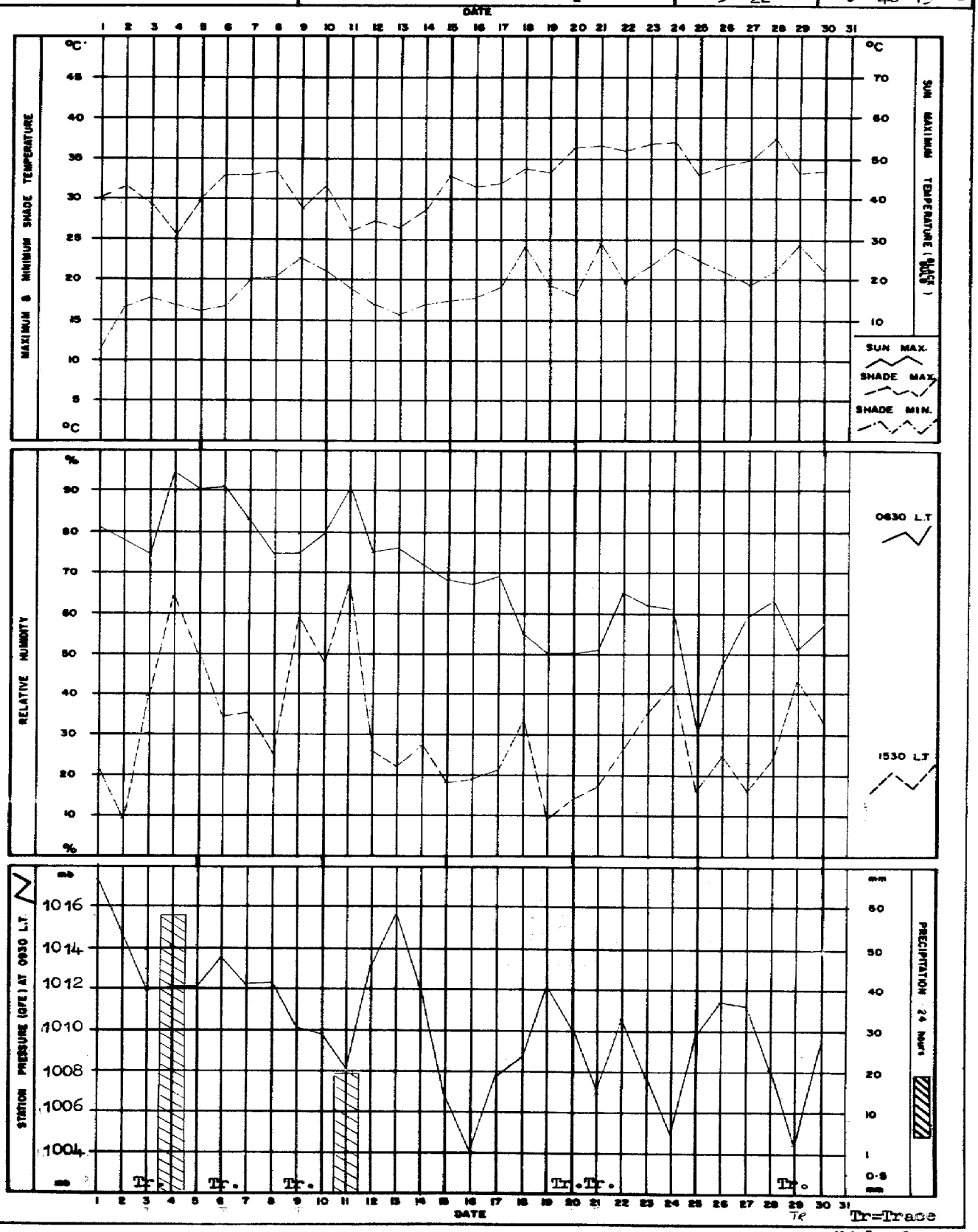
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Abadan	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°22' N.	Long: 48°13' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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	15.6	15.0	14.6	16.6	94	1014.8	–	0	2	7	27.2	16.3	6.7	9.8	27	1015.8	220	2	3	18	1
2	16.3	12.1	8.0	10.7	58	1013.2	320	5	7	15	28.1*		6.2*	9.5*	25	1012.9*	310*	7*			2
3	19.8	15.4	12.0	14.0	61	1010.2	340	5	8	15	24.8	16.9	10.8	12.9	41	1011.3	070	5	7	15	3
4	17.0	16.1	15.4	17.6	91	1009.5	160	10	8	10	22.8	18.2	15.1	17.2	62	1011.3	300	4	5	15	4
5	16.2	14.3	12.8	14.8	81	1010.3	340	4	0	40	25.3	18.6	14.1	16.1	50	1011.3	–	0	0	30	5
6	19.0	18.0	17.3	19.8	90	1011.1	180	3	5	30	27.2	19.9	15.3	17.4	48	1013.3	240	3	6	20	6
7	20.7	18.6	17.3	19.8	81	1010.8	160	6	5	18	27.3	20.0	15.4	17.5	48	1012.4	170	17	8	15	7
8	19.8	17.7	16.3	18.6	81	1011.3	180	7	7	15	30.8	19.8	12.2	14.3	32	1011.9	170	10	7	15	8
9	21.4	18.0	15.8	17.9	70	1009.1	150	6	8	15	21.0	20.2	19.7	23.0	93	1010.4	140	27	8	10	9
10	21.2	19.4	18.4	21.1	84	1009.9	150	6	6	20	27.2	21.4	18.2	20.9	58	1009.4	200	4	4	20	10
11	20.2	18.4	17.3	19.7	84	1009.2	280	12	8	16	25.2	21.0	18.7	21.5	67	1009.5	180	12	8	14	11
12	19.5	18.1	17.2	19.6	87	1011.7	–	0	8	17	26.6	18.0	11.7	13.8	39	1012.5	310	8	2	20	12
13	17.0	14.0	11.5	13.6	70	1013.2	320	5	0	20	26.1	15.0	4.1	8.2	24	1013.8	290	4	3	20	13
14	16.5	13.6	11.1	13.2	71	1010.6	350	7	0	18	26.8	17.2	9.6	12.0	34	1009.8	340	12	0	25	14
15	19.0	17.4	16.3	18.6	85	1006.0	300	2	4	20	30.0	18.8	10.5	12.7	30	1006.0	210	7	1	20	15
16	20.2	18.2	17.0	19.3	82	1002.0	270	4	3	20	29.4	17.0	6.1	9.4	23	1003.8	290	9	3	20	16
17	19.8	18.0	16.8	19.2	83	1006.8	130	5	7	15	29.0	19.5	13.1	15.1	38	1008.6	180	15	5	20	17
18	24.3	18.2	14.0	16.0	53	1008.5	170	10	8	12	30.0	19.7	12.8	14.8	35	1009.2	170	30	8	10	18
19	21.2	15.1	10.1	12.3	49	1009.8	360	5	0	5	32.2	17.0	2.3	7.2	15	1011.0	340	10	6	10	19
20	19.8	13.4	7.3	10.3	45	1007.1	040	3	0	30	31.4	18.5	8.3	11.0	24	1008.5	220	4	6	30	20
21	23.8	20.2	18.2	20.8	71	1005.9	180	6	6	17	31.6	20.3	12.8	14.8	32	1007.2	170	11	7	18	21
22	21.0	15.0	9.9	12.2	49	1009.3	330	2	0	20	32.6	18.0	5.3	8.9	20	1009.2	270	8	1	30	22
23	22.0	17.3	14.0	16.0	60	1006.3	250	2	7	20	30.7	20.0	12.8	14.8	33	1006.4	210	4	6	20	23
24	25.0	18.2	13.4	15.4	49	1002.8	120	18	6	20	29.0	23.5	20.8	24.6	64	1004.3	180	20	4	20	24
25	22.5	18.2	15.3	17.5	64	1006.2	360	10	7	15	33.0	20.0	10.8	13.0	26	1007.3	360	5	2	15	25
26	21.0	14.9	9.7	12.0	48	1009.6	350	4	0	30	31.0	18.8	9.6	12.0	27	1009.9	300	18	5	40	26
27	19.2	15.3	12.3	14.3	64	1009.1	300	4	0	50	31.2	19.9	12.2	14.2	34	1010.1	280	20	2	60	27
28	21.2	17.9	15.7	17.9	71	1007.9	280	5	0	70	32.0	18.5	7.7	10.5	22	1007.7	200	5	0	70	28
29	25.0	20.0	17.0	19.9	63	1004.1	090	15	8	15	31.0	22.0	16.9	19.2	43	1005.7	180	25	8	30	29
30	22.2	20.3	19.2	22.3	84	1008.4	–	0	8	14	28.4*		19.6*	22.9*	59	1008.6*	200*	8*			30
Avl	20.2	16.9	14.1	16.7	71	1008.8	–	6	5	21	27.7	19.6	11.3	13.7	37	1009.3	–	10	4	23	Avg.

* Values obtained from recording instruments.

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: April Year: 1963

Station: Bandar-Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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	16.4	7.8	10.6	31	1013.8	360	6	4	20		28.8	14.8	14.5				0	Mist	1
23.7*		13.3*	15.3*	52*	1010.3*	160*	9*				29.1	16.0	14.7				0	Cloudy	2
23.2	18.5	15.4	17.6	62	1009.3	200	6	5	20		28.0	15.0			270	27	Tr.	Rain	3
22.9	17.9	14.5	16.5	59	1009.8	360	3	3	20		24.9	16.3	15.4		320	44	11.6	Th.storm	4
25.2	20.0	16.8	19.2	60	1010.4	200	4	3	30		27.7	15.7	15.0				0	Fair	5
25.8	19.3	15.1	17.2	52	1010.4	300	7	8	30		31.0	18.5	18.0		220	26	0		6
24.5	19.2	15.8	18.0	59	1010.4	170	12	8	15		27.8	20.6	20.0		190	26	Tr.	Cloudy	7
26.0	20.6	17.4	20.0	59	1009.5	180	8	8	15		32.2	19.6	19.0		230	23	0	"	8
20.6	19.4	18.7	21.6	89	1009.5	150	15	8	10		26.0	19.7	18.8		180	38	5.2	Rain	9
26.6	22.6	20.6	24.3	70	1007.0	200	4	6	20		29.9	20.5	20.2		200	20	0	P.Cloudy	10
23.6	20.6	19.0	21.9	75	1008.6	180	15	2	14		26.7	19.1	18.4		170	28	5.4	Rain	11
25.2	16.8	10.2	12.4	39	1012.3	320	9	1	25		28.3	19.3	18.3		320	21	0	P.Cloudy	12
24.2	16.1	9.4	11.8	39	1011.7	290	10	2	20		27.7	16.4	15.5		340	22	0	Fair	13
27.0	16.0	6.1	9.4	26	1007.4	340	16	7	25		28.8	16.2	15.6		310	27	0	"	14
26.4	18.0	11.8	13.9	40	1002.3	170	15	6	20		30.5	18.7	17.6		150	25	0	"	15
27.7	17.8	10.2	12.5	34	1004.3	340	12	0	20		32.0	19.8	19.2		290	33	0	P.cloudy	16
26.7	17.4	10.2	12.4	36	1006.3	170	19	7	15		30.0	19.6	19.0		150	39	0	Cloudy	17
26.1	21.1	18.3	21.0	62	1008.5	270	5	6	8		30.7	23.3	22.9		180	36	0	Haze	18
29.5	15.2	-0.6	5.8	14	1009.9	340	12	6	20		33.7	20.7	20.1		320	27	0	"	19
29.1*		12.9*	14.9*	37*	1006.4*	180*	12*				33.2	18.4	17.6		260	35	0	P.Cloudy	20
31.5	19.6	11.1	13.2	28	1007.4	220	3	4	16		33.4	19.2			180	29	Tr.	Rain	21
32.4	17.7	4.5	8.5	17	1005.9	340	6	5	20		35.7	20.5	19.6		310	35	0	Fair	22
29.4	21.5	17.0	19.3	47	1004.8	210	5	8	10		34.6	21.5	21.0		290	52	Tr.	Rainsh.	23
25.8	22.2	20.3	23.9	72	1003.6	160	15	8	10		30.7	23.4	22.8		180	31	0.8	Th.storm	24
30.5	18.9	10.3	12.5	29	1006.7	330	6	0	30		34.7	21.9	21.5		320	27	Tr.	Haze	25
28.3	18.0	10.1	12.4	32	1008.9	320	15	1	40		32.3	20.4	20.4		310	31	0	Fair	26
30.7	18.4	8.7	11.3	26	1008.1	360	8	2	60		33.6	18.8	18.5		320	27	0	"	27
28.9	22.8	19.7	22.9	57	1003.4	180	5	7	60		34.6	21.0	20.4		300	43	0	"	28
26.8	22.2	19.8	23.1	65	1004.0	180	20	8	15		31.1	22.4	20.0		170	34	Tr.	Th.storm	29
24.6	22.0	20.7	24.4	79	1006.5	220	12	8	20		30.7	21.9	21.8		210	26	1.4	O-cast	30
26.6	19.1	13.3	16.3	48	1007.9	–	11	5	22										Av.

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

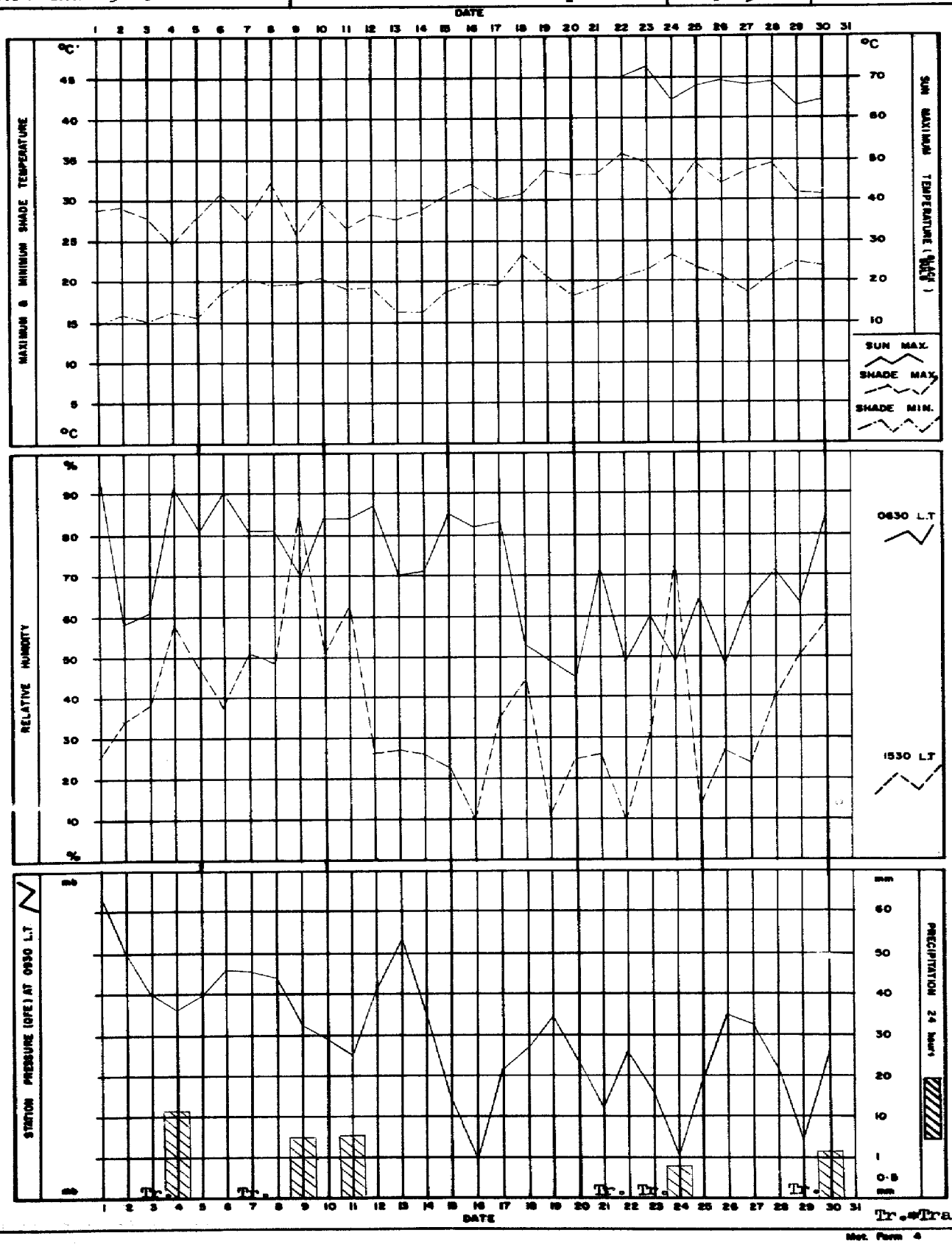
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

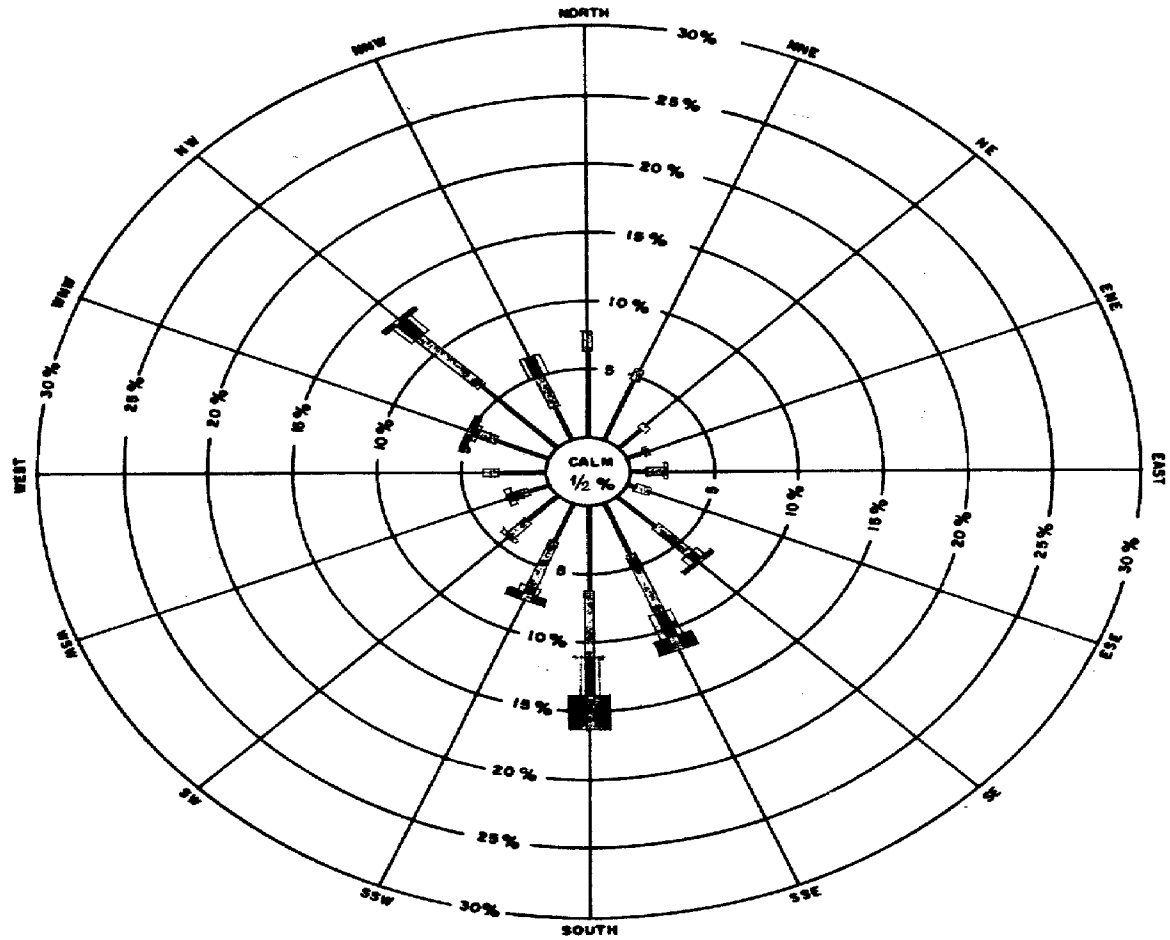
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' N.	Long: 49°12' E



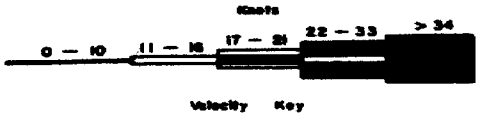
Met. Form 4

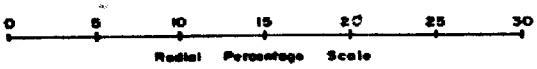
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 3[illegible] A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30° 33' N.	Long: [illegible]° 09' E



Hours in month 720

Hours recorded 679





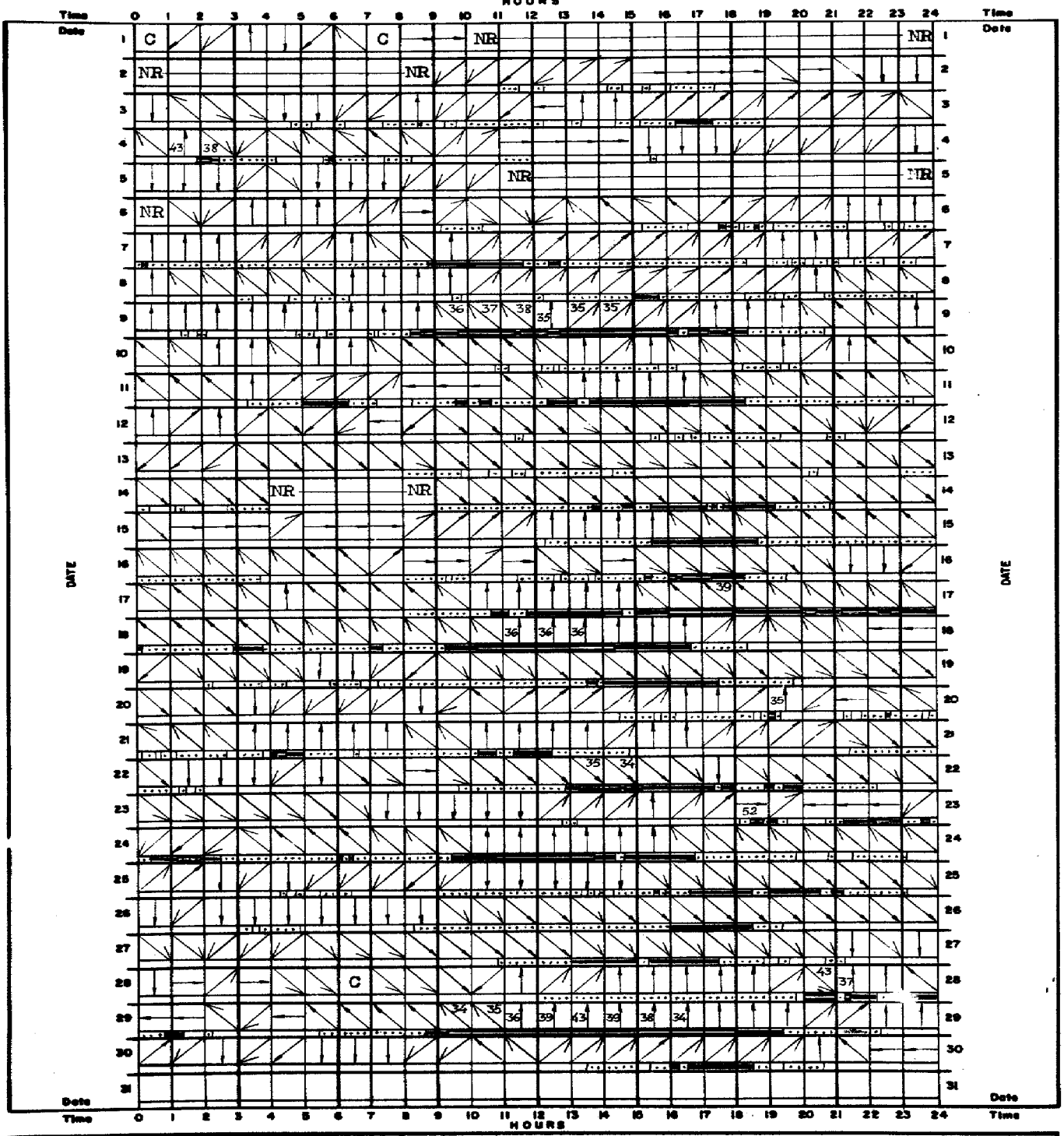
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

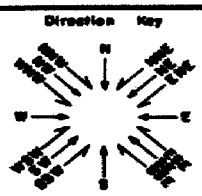
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: April	Year: 1963
	DINES ANEMOGRAPH	Station: Bandar Mashur	
Ground Level: 8 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



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 A

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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	17.6	17.0	16.6	18.9	94	1014.5	–	0	0	10	25.4	18.0	12.7	14.7	45	1015.5	330	6	2	20	1
2	19.0	16.6	14.9	17.0	78	1012.9	320	8	5	30	24.2	18.6	14.9	17.0	56	1014.0	310	3	7	25	2
3	19.8	18.0	16.8	19.2	83	1010.3	030	6	8	25	24.6	16.4	9.8	12.1	39	1011.2	360	6	7	20	3
4	18.8	17.0	15.8	18.0	83	1010.4	360	20	7	20	23.0	18.6	15.8	18.0	64	1009.7	090	10	3	25	4
5	18.2	17.4	16.9	19.3	92	1010.2	020	2	0	30	23.4	19.2	16.6	18.9	65	1011.8	270	7	0	20	5
6	16.2	15.4	14.8	16.9	91	1011.1	–	0	0	20	25.0	20.0	17.0	19.4	61	1013.3	280	10	1	25	6
7	20.4	19.8	19.4	22.6	94	1013.1	160	2	0	30	24.2	21.8	20.6	24.2	80	1013.1	100	5	0	15	7
8	19.6	19.0	18.6	21.5	95	1012.0	–	0	5	15	28.6	18.2	10.3	12.6	32	1012.0	060	2	8	15	8
9	22.6	20.4	19.2	22.3	81	1009.2	090	8	8	20	21.0	20.0	19.4	22.6	91	1012.6	180	14	8	15	9
10	20.2	19.2	18.6	21.5	91	1009.5	–	0	5	20	27.0	21.0	17.6	20.1	56	1009.3	180	3	1	20	10
11	22.0	19.4	17.9	20.5	77	1009.7	270	10	8	3	24.0	21.4	20.0	23.4	78	1010.3	–	0	8	5	11
12	19.6	18.8	18.3	21.1	93	1011.0	[illegible]	0	7	30	26.0	20.6	17.5	20.0	59	1012.0	360	4	0	30	12
13	20.0	16.2	13.4	15.4	66	1012.4	360	4	0	30	25.6	18.6	13.9	15.9	48	1013.6	360	5	0	30	13
14	20.4	16.4	13.4	15.4	64	1009.9	360	10	0	30	24.2	18.0	13.7	15.7	52	1010.2	320	15	0	30	14
15	19.4	18.0	17.1	19.5	87	1006.1	070	2	0	20	26.0	19.0	14.3	16.4	49	1007.0	270	8	0	25	15
16	22.0	19.0	17.1	19.6	74	1003.2	160	4	4	20	27.0	19.4	14.4	16.4	46	1005.1	300	10	3	25	16
17	19.0	18.2	17.8	20.3	92	1007.4	–	0	6	10	26.4	19.4	14.8	16.9	49	1009.2	180	3	5	20	17
18	22.0	19.0	17.1	19.6	74	1009.5	–	0	7	20	28.0	21.2	17.3	19.8	52	1010.7	120	6	8	20	18
19	23.2	21.0	19.8	23.2	82	1008.7	180	2	8	12	27.4	22.6	20.2	23.6	65	1010.2	360	8	0	10	19
20	20.0	18.0	16.8	19.1	82	1007.1	–	0	0	20	29.4	18.0	9.1	11.6	28	1008.6	300	4	3	20	20
21	[illegible]	16.4	10.8	12.9	45	1006.2	180	2	0	25	29.0	20.0	14.2	15.2	41	1007.4	180	3	6	20	21
22	23.2	19.6	17.4	20.0	70	1007.3	020	2	0	20	28.6	18.6	11.4	13.5	34	1009.1	310	10	0	20	22
23	21.6	20.2	19.4	22.5	88	1005.8	–	0	6	20	28.4	19.0	12.5	14.5	38	1006.7	270	8	7	15	23
24	24.4	20.0	17.4	19.9	65	1005.1	–	0	7	4	27.6	21.4	17.9	20.5	55	1005.0	170	14	6	5	24
25	24.0	20.8	19.0	22.0	74	1005.4	360	3	8	15	28.6	21.6	17.6	20.2	52	1006.8	350	12	1	15	25
26	22.0	18.8	16.8	19.2	72	1008.4	020	2	0	20	29.0	19.6	13.3	15.3	38	1009.7	360	8	3	20	26
27	22.0	19.6	18.2	20.9	79	1008.7	330	2	0	30	27.4	22.0	19.1	22.1	61	1010.0	270	15	1	30	27
28	22.0	20.0	18.8	21.8	82	1007.4	–	0	0	30	28.4	21.4	17.4	19.9	51	1007.9	360	2	0	20	28
29	28.0	18.4	11.4	13.5	36	1004.9	180	12	8	15	29.0	22.0	18.2	20.8	52	1006.1	150	10	8	15	29
30	24.4	21.4	19.8	23.1	75	1007.4	020	4	5	20	27.4	22.0	19.1	22.1	60	1007.8	100	2	8	20	30
Av.	21.2	18.6	17.0	19.6	79	1009.0	–	4	4	20	26.5	19.9	15.7	18.1	53	1009.9	–	7	3	20	Av.

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: April Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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		
24.0	14.8	6.2	9.5	32	1013.5	310	10	3	25		26.8	16.2	12.4	62.0	310	18	0	Mist	1
21.2	17.6	15.2	17.3	68	1010.7	020	4	6	20		24.6	18.6	15.6	58.5	330	18	0	Cloudy	2
22.0	18.4	16.1	18.3	69	1009.8	–	0	0	20		26.0	19.0	16.4	56.5	320	21	Tr.	Rain	3
21.0	18.0	16.1	18.3	73	1009.4	320	8	0	30		25.8	17.0	13.6	59.8	050	31	0.3	Th.storm	4
21.2	19.0	17.7	20.3	80	1010.8	280	10	0	20		24.6	18.0	15.8	59.4	320	16	0	Clear	5
22.4	18.8	16.5	18.8	69	1009.8	360	2	5	25		27.0	15.6	12.8	61.0	350	12	0	Fair	6
23.0	20.6	19.3	22.4	80	1011.1	170	2	7	15		25.4	19.6	18.0	61.4	140	9	0	P.Cloudy	7
22.8	20.2	18.7	21.6	78	1010.3	090	2	7	15		30.4	18.4	15.7	67.0	260	19	0	Cloudy	8
21.4	20.4	19.8	23.2	91	1009.2	090	10	6	20		24.2	20.0	20.4	44.0	210	30	5.6	Rain	9
25.4	20.0	16.8	19.1	59	1007.0	150	3	3	25		29.2	19.4	17.6	62.5	140	7	0	P.Cloudy	10
23.0	20.8	19.6	22.8	88	1009.5	150	3	4	6		25.4	20.5	19.8	61.2	230	18	Tr.	Rainsh.	11
22.6	18.8	16.4	18.7	68	1011.6	300	10	6	30		27.4	19.2	17.4	62.0	250	18	4.3	Th.storm	12
22.4	17.0	13.0	15.0	55	1011.6	300	10	0	30		26.4	19.4	15.4	61.5	340	20	0	Clear	13
21.8	18.0	15.4	17.6	68	1007.3	270	12	3	30		25.8	17.6	18.0	60.2	310	23	0	Fair	14
22.6	20.6	19.5	22.7	82	1004.2	100	4	2	30		28.0	19.0	15.3	62.0	160	12	0	Clear	15
23.2	18.2	14.9	16.9	59	1005.1	220	4	0	20		27.6	21.0	18.3	63.0	270	14	0	Fair	16
23.8	20.4	18.4	21.2	72	1007.1	–	0	0	20		27.8	16.7	13.6	62.6	280	29	0	Mist	17
25.8	21.0	18.3	21.0	63	1008.0	180	10	8	10		28.6	22.0	20.6	61.5	180	18	0	Haze	18
26.8	19.6	15.0	17.1	48	1008.9	300	8	4	20		29.6	23.0	20.3	62.0	330	19	0	"	19
28.0	18.0	10.4	12.6	33	1006.4	–	0	1	20		29.7	19.0	16.4	61.5	320	17	0	P.Cloudy	20
27.4	20.2	15.7	17.9	49	1005.4	310	3	3	20		33.0	22.3	20.5	64.0	360	20	0	"	21
26.2	19.0	14.2	16.3	48	1006.3	280	10	1	25		31.0	22.5	20.0	66.2	320	21	0	Clear	22
27.4	20.2	15.7	17.9	49	1004.4	–	0	8	15		30.6	21.0	18.3	63.8	330	30	0	Cloudy	23
27.0	20.4	16.4	18.8	53	1004.1	180	14	8	10		29.0	23.3	21.6	60.0	180	35	Tr.	Th.storm	24
29.6	20.6	15.0	17.1	41	1005.9	–	0	5	15		30.4	23.6	18.3	64.0	130	23	1.3	"	25
26.8	19.4	14.6	16.6	47	1008.3	320	8	0	20		31.0	20.6	18.0	66.0	320	23	0	Fair	26
25.2	20.2	17.2	19.7	61	1007.5	270	8	5	30		29.0	21.0	17.6	64.0	310	10	0	"	27
27.6	18.6	12.2	14.3	39	1004.0	220	6	3	25		32.3	21.5	18.8	66.0	340	20	0	"	28
26.2	21.8	19.4	22.6	66	1004.5	160	10	8	15		29.8	24.3	20.9	63.8	150	30	Tr.	O-cast	29
25.0	21.0	18.8	21.7	68	1006.6	220	3	8	20		30.0	23.4	20.8	66.0	250	26	Tr.	Rain	30
24.4	19.4	16.1	18.6	68	1007.9	–	6	4	22										Av.

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

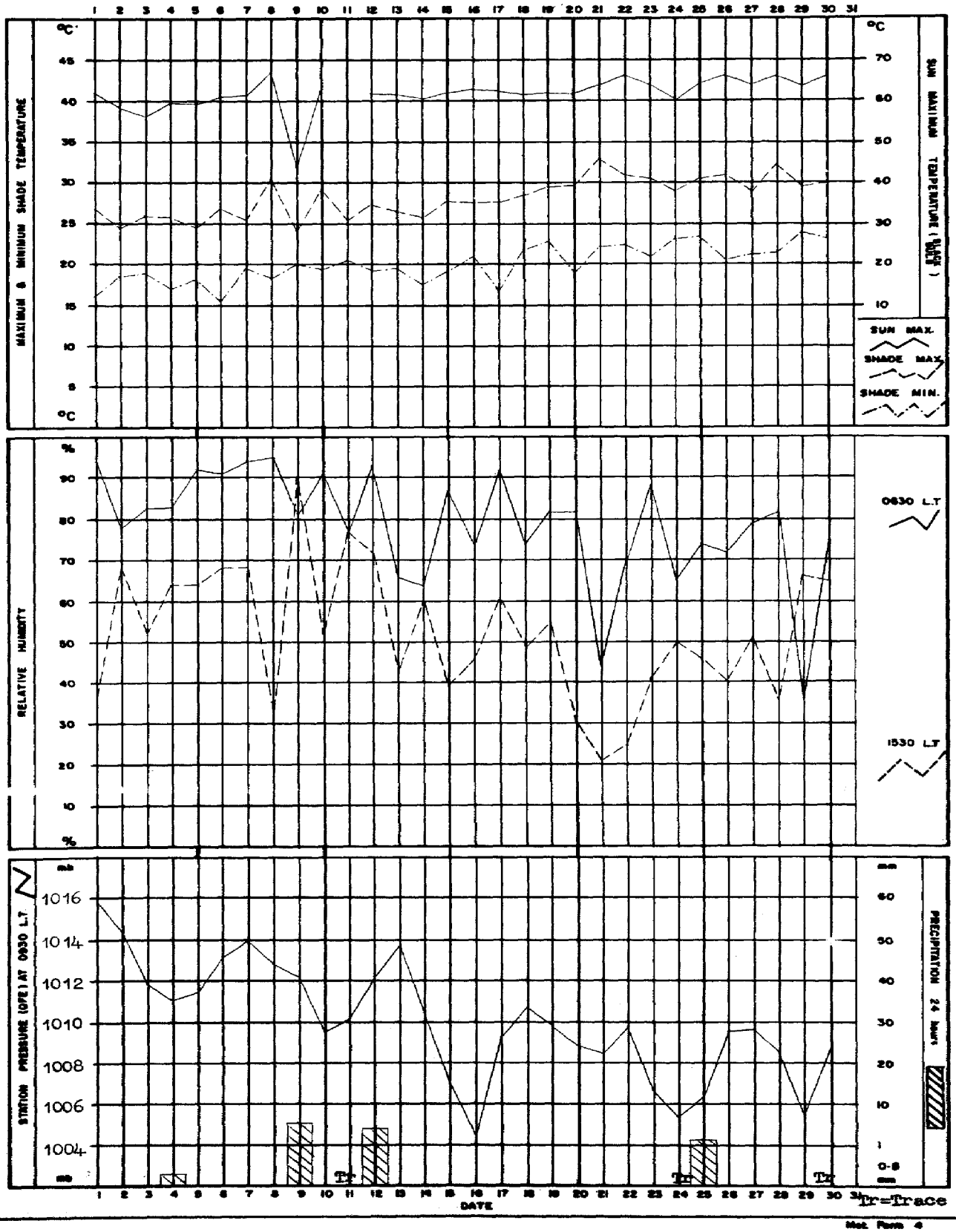
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

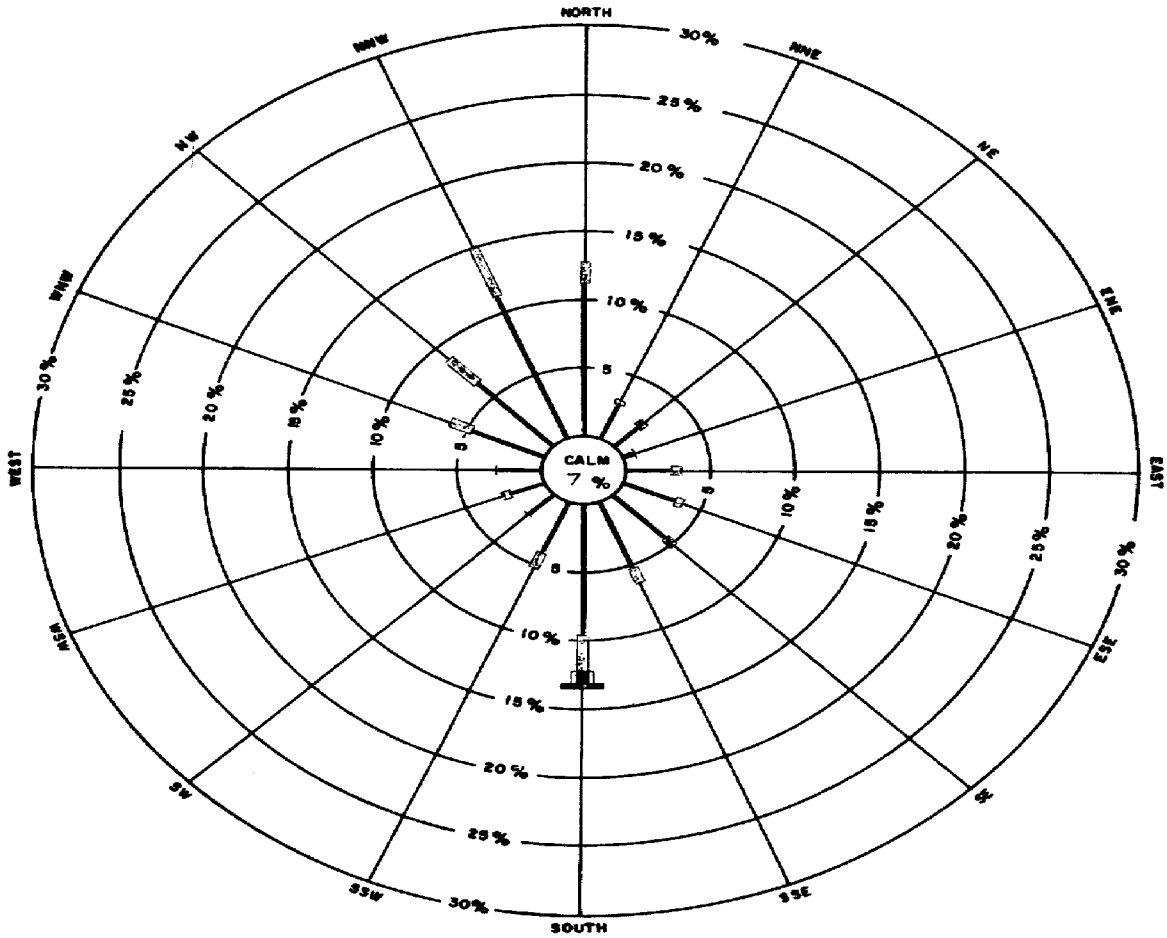
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



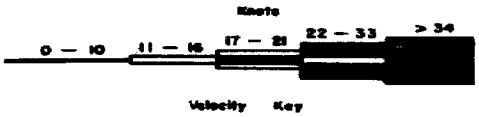
Met. Form 4

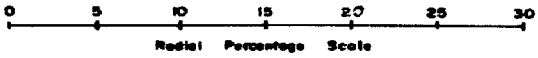
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Hours in month 720

Hours recorded 708





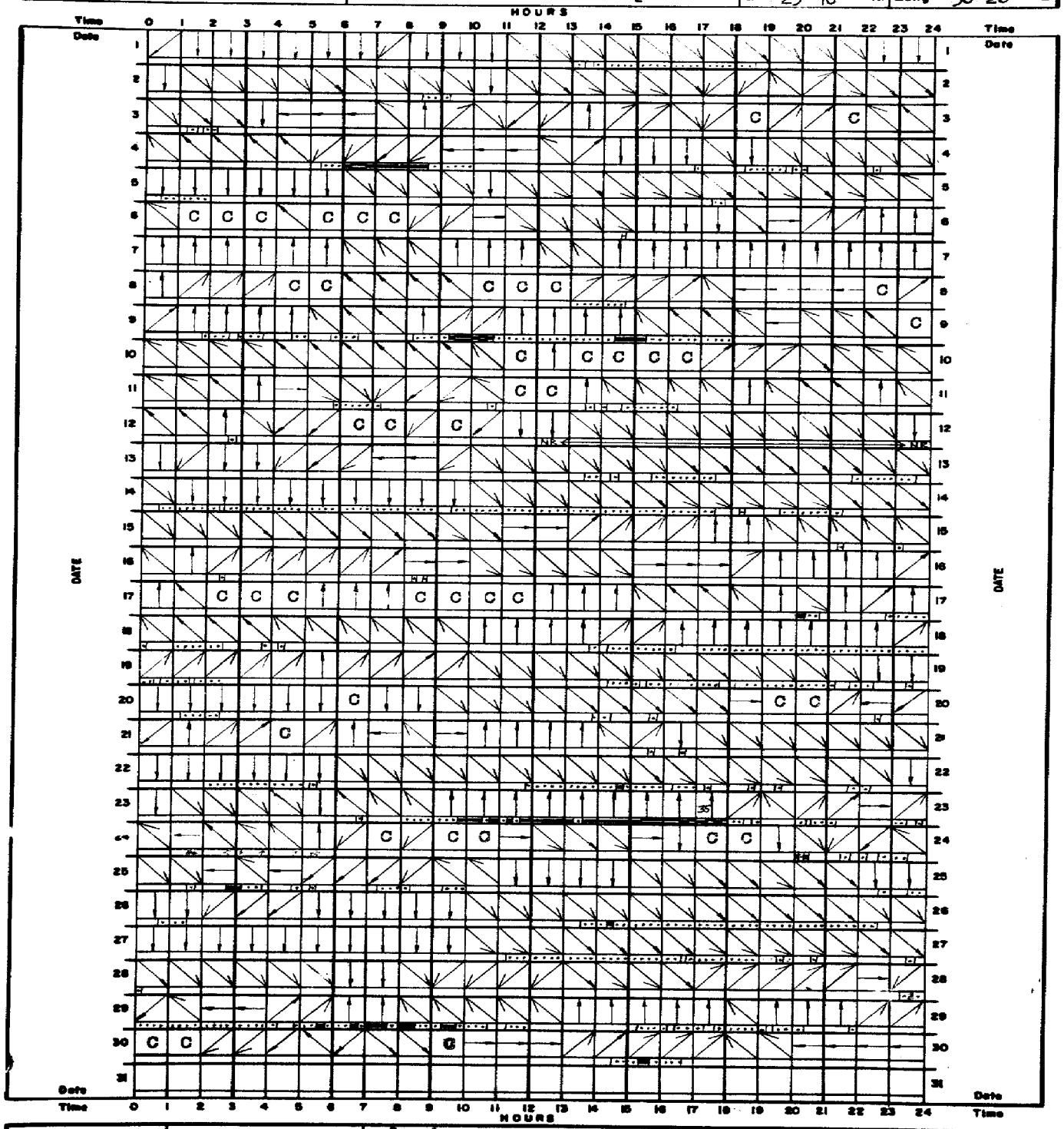
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: April	Year: 1963
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



Velocity Key

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

Direction Key

N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW

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 A

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

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	21.2	19.3	18.2	20.9	83	1013.6	330	1	0	30	26.1	20.5	17.2	19.6	58	1013.8	200	1	0	40	1
2	19.5	19.5	19.5	22.6	100	1012.6	290	2	6	10	25.0	22.6	21.4	25.5	81	1013.7	160	6	4	20	2
3	20.4	19.3	18.7	21.5	90	1011.7	290	8	6	30	24.2	20.1	17.7	20.2	67	1010.4	090	3	8	55	3
4	19.4	18.6	18.2	20.8	93	1009.1	320	6	0	40	25.3	21.8	19.9	23.3	72	1009.2	240	12	1	50	4
5	20.5	19.3	18.6	21.4	89	1010.1	270	1	1	30	26.3	21.2	18.3	21.1	62	1010.4	270	10	1	30	5
6	19.3	18.9	18.7	21.5	96	1011.8	300	2	5	20	24.8	21.7	20.1	23.5	75	1013.8	180	8	1	15	6
7	20.8	20.6	20.5	24.1	98	1013.6	260	1	2	25	25.3	22.9	21.7	26.0	81	1015.3	170	6	2	25	7
8	22.7	21.4	20.7	24.5	89	1012.5	080	6	5	40	26.1	21.9	19.7	22.9	68	1012.5	150	13	8	40	8
9	24.8	20.6	18.2	20.8	67	1010.7	280	4	6	30	26.4	23.1	21.4	25.6	74	1012.6	260	2	8	25	9
10	24.2	22.5	21.7	25.9	86	1009.1	210	2	6	30	27.7	23.1	20.8	24.6	66	1009.0	230	7	4	35	10
11	23.0	21.8	21.1	25.2	89	1009.0	290	1	7	35	30.4	23.7	20.3	23.9	55	1010.0	200	1	4	30	11
12	24.3	20.8	18.8	21.8	72	1010.5	270	7	8	30	26.0	23.2	21.9	26.2	78	1011.9	–	0	8	35	12
13	23.3	22.4	21.9	26.3	92	1010.3	280	1	0	30	30.2	18.6	9.8	12.1	28	1010.0	280	22	1	30	13
14	22.4	15.6	10.0	12.2	45	1007.4	290	16	0	40	26.7	18.8	13.4	15.4	44	1007.6	280	23	0	30	14
15	20.5	18.3	16.9	19.3	80	1007.0	270	1	0	25	27.4	20.3	16.0	18.2	50	1007.2	280	18	0	25	15
16	22.7	21.0	20.1	23.5	85	1005.4	210	5	0	25	27.1	19.1	13.7	15.7	44	1006.0	060	3	1	40	16
17	20.8	18.1	16.3	18.6	76	1008.6	270	1	0	30	27.7	22.4	19.6	22.8	61	1009.5	260	12	0	40	17
18	21.5	20.3	19.6	22.9	89	1009.7	070	2	7	35	29.9	19.5	12.3	14.3	34	1012.3	020	8	8	35	18
19	23.6	18.6	15.3	17.4	60	1010.0	280	9	1	35	34.0	19.4	8.2	10.9	20	1010.3	280	21	0	40	19
20	22.3	21.8	21.6	25.7	95	1005.3	270	7	0	10	28.8	22.8	19.7	22.9	58	1005.4	240	10	0	15	20
21	24.4	22.7	21.8	26.2	86	1007.3	150	4	0	25	26.4	24.0	22.9	27.8	81	1008.5	150	1	1	25	21
22	22.8	20.3	18.9	21.8	78	1006.6	–	0	0	20	31.3	22.8	18.2	20.9	46	1006.6	250	11	0	20	22
23	22.8	21.5	20.6	25.3	87	1005.4	290	1	3	25	26.4	23.7	22.4	27.1	78	1007.7	140	8	6	25	23
24	24.6	23.7	23.3	28.6	92	1007.3	120	13	8	25	27.8	23.2	20.9	24.8	66	1009.2	120	11	2	40	24
25	27.9	22.1	19.4	22.0	58	1008.5	090	10	6	20	27.9	24.4	22.8	27.8	74	1009.9	120	10	8	20	25
26	23.7	22.2	21.5	25.6	87	1007.0	310	3	0	15	28.6	24.4	22.5	27.2	69	1007.2	120	10	3	20	26
27	25.1	24.2	23.8	29.4	92	1008.8	310	4	3	20	28.0	24.2	22.4	27.1	72	1009.4	160	7	2	15	27
28	22.3	21.3	20.8	24.5	91	1006.7	–	0	1	25	26.9	23.5	21.9	26.2	74	1007.7	150	10	1	20	28
29	23.5	22.3	21.7	26.9	90	1007.1	200	2	1	20	27.2	23.9	22.4	27.0	75	1010.1	150	2	5	20	29
30	23.7	22.9	22.5	27.3	93	1006.6	–	0	6	30	27.8	24.8	23.5	28.9	77	1008.9	180	9	8	15	30
APRIL	22.6	20.1	19.3	23.8	84	1009.0	–	4	3	27	29.3	22.2	19.1	22.3	63	1009.9	–	9	3	29	APRIL

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 3c

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: April Year: 1963
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.

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		
23.7	20.6	18.8	21.7	74	1011.7	280	8	1	35	24.5	29.5	19.2	16.2	64.5	320	18	0	Clear	1
22.6	19.5	17.6	20.2	73	1010.8	290	7	7	20	23.4	26.1	17.7		59.3	140	18	0	Mist	2
23.2	20.7	19.4	22.5	79	1010.3	190	1	7	35	22.8	25.4	19.7	16.9		240	25	Tr.	Rain	3
23.2	20.7	19.3	22.4	79	1007.8	260	11	2	20	23.6	27.4	18.2		63.7	290	16	0	Fair	4
22.4	19.8	18.3	21.0	78	1010.4	270	14	2	25	24.0	27.0	18.9	17.2	64.8	280	15	0	"	5
23.1	21.0	19.9	23.2	82	1012.1	–	0	0	20	23.6	25.7	18.6	17.5	64.1			0	P.Cloudy	6
24.3	22.2	21.1	25.1	83	1012.2	350	1	3	25	23.9	26.2	19.3	16.0	63.8			0	"	7
24.8	22.9	22.0	26.4	84	1011.2	130	3	8	30	25.0	27.0	18.7	16.0	60.2			0	Cloudy	8
26.0	22.7	21.1	25.0	74	1009.2	010	1	6	30	24.6	28.9	22.9	20.7	45.7	280	18	Tr.	Rain	9
26.3	23.2	21.7	25.9	76	1007.3	300	9	3	30	24.7	30.4	22.0	19.0	65.7	320	12	Tr.	P.Cloudy	10
26.1	21.3	18.7	21.5	64	1009.0	290	11	7	25	24.3	31.8	21.6	17.7	63.7	300	42	Tr.	"	11
25.5	21.8	19.9	23.2	71	1011.0	260	2	4	35	24.4	29.3	23.2	21.6	54.0	310	15	Tr.	Rain	12
25.2	18.5	13.9	15.9	50	1008.5	280	18	0	25	25.1	31.0	20.6	18.1	67.8	300	42	0	Clear	13
22.8	18.1	14.9	17.0	61	1005.9	280	20	1	15	22.7	27.8	21.4	19.8	65.6	290	40	0	"	14
23.3	18.6	15.6	17.7	62	1005.7	270	14	0	30	23.8	28.3	18.9	16.0	65.1	290	35	0	"	15
24.4	20.3	17.9	20.5	67	1005.3	250	4	0	25	23.8	27.7	18.3	14.3	64.7	300	19	0	"	16
25.2	21.1	18.8	21.7	68	1008.7	270	8	2	35	24.6	30.6	19.1	16.2	66.7	250	20	0	Fair	17
28.8	18.3	10.4	12.6	32	1010.5	310	12	8	15	25.2	31.8	18.8	15.2	56.5	320	31	0	O-cast	18
26.2	21.5	18.9	21.9	64	1008.0	260	11	0	25	24.3	34.5	23.0	21.3	71.1			0	Clear	19
27.3	19.6	14.6	16.6	46	1004.5	280	17	3	30	24.5	34.7	21.1	19.3	65.4	290	33	0	Mist	20
29.0	19.3	12.7	14.6	37	1005.6	270	4	3	25	25.2	32.6	21.5	16.7	65.1	290	19	0	Fair	21
28.1	20.2	15.3	17.3	45	1004.4	280	16	1	25	25.1	35.7	21.8	19.3	68.7	290	33	0	Clear	22
26.3	22.5	20.6	24.2	71	1006.5	220	1	8	20	25.0	28.1	20.2	18.7		140	19	0	Cloudy	23
26.5	23.0	21.3	25.3	73	1006.8	120	6	8	40	25.3	29.2	23.5	22.2		120	33	0	"	24
26.4	23.2	21.6	25.9	75	1007.1	120	7	5	15	25.4	31.3	25.1	23.1	65.8	120	22	0	"	25
27.9	21.4	17.7	20.3	54	1005.4	300	10	0	15	25.7	30.7	22.7	20.3	68.5	290	18	0	Fair	26
26.2	20.7	17.5	20.0	59	1007.3	290	6	3	20	26.6	29.6	21.5	18.5	66.5	300	18	0	"	27
26.1	22.5	20.7	24.4	72	1005.9	230	9	0	30	26.3	28.2	20.4	16.8	67.3			0	"	28
26.0	21.9	19.7	23.0	68	1006.8	250	1	8	30	26.1	28.1	19.6	15.9	67.2			0	P.Cloudy	29
25.8	21.8	19.7	22.9	69	1008.2	290	14	8	20	27.0	29.2	23.2	20.7	66.5	290	39	0	Haze	30
24.4	21.0	18.3	21.3	66	1008.1	–	8	4	26										Mo.

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

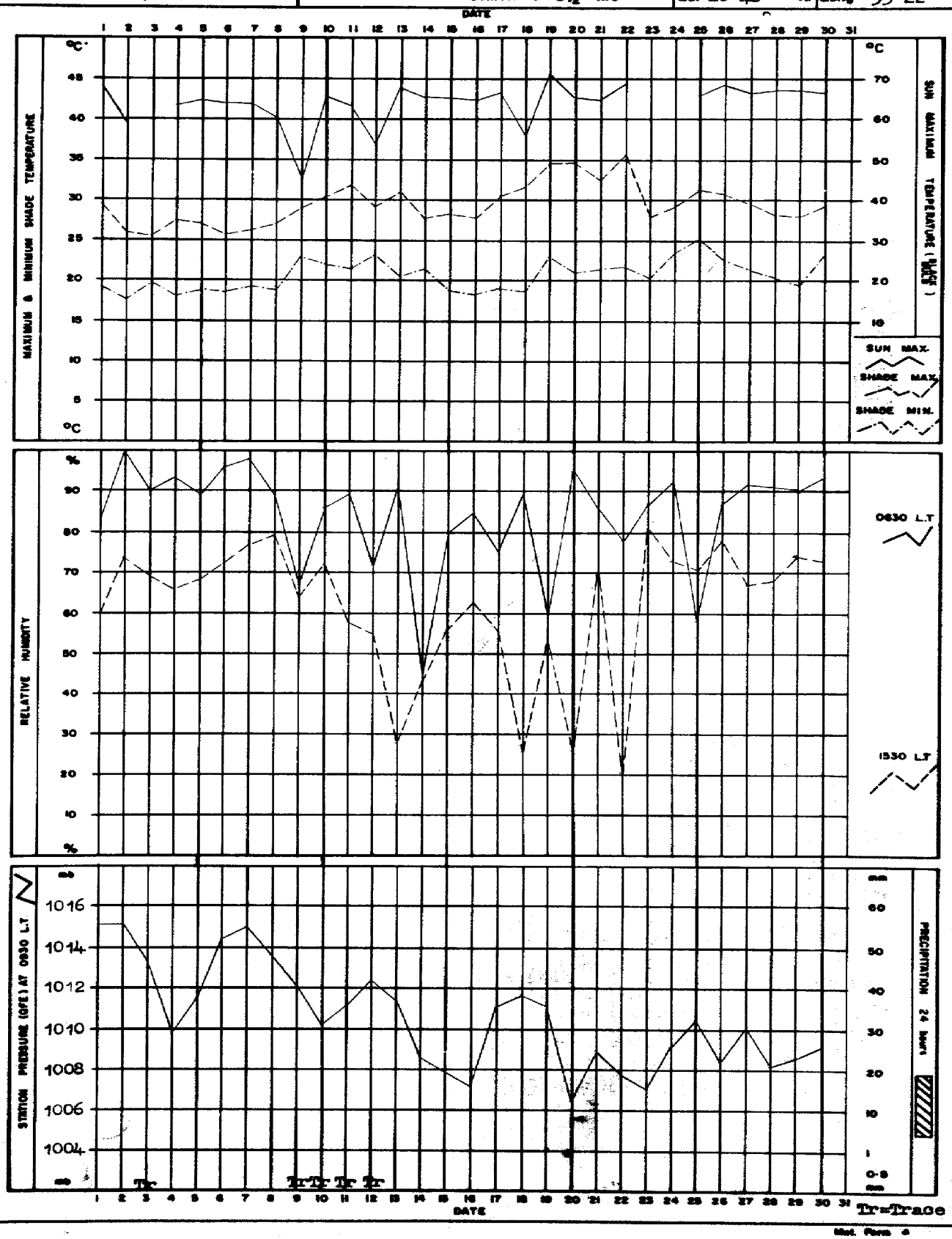
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

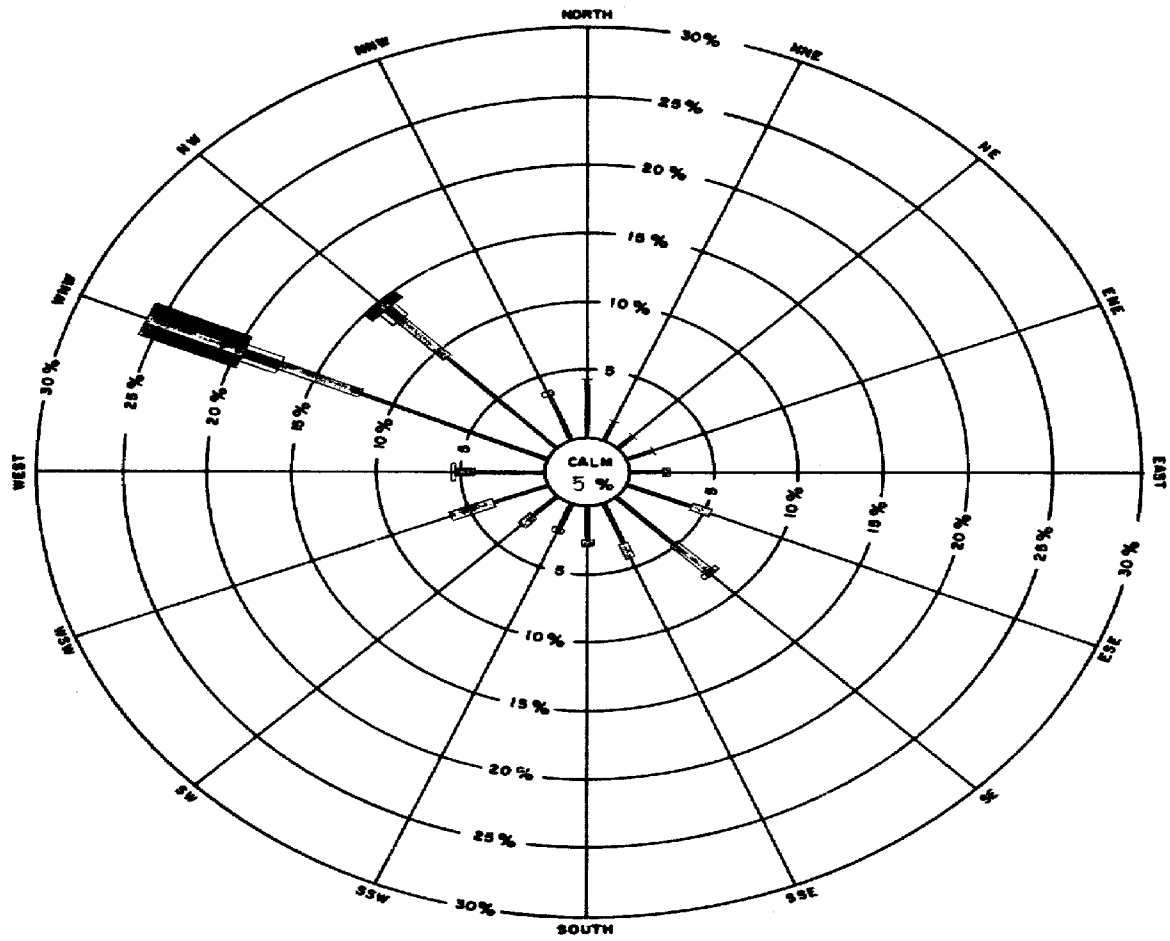
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: April	Year: 1963
		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



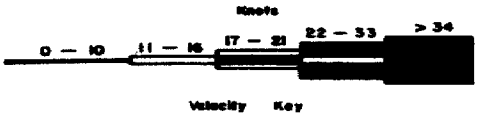
Met. Form 4

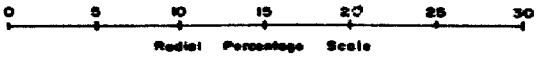
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 720

Hours recorded 694





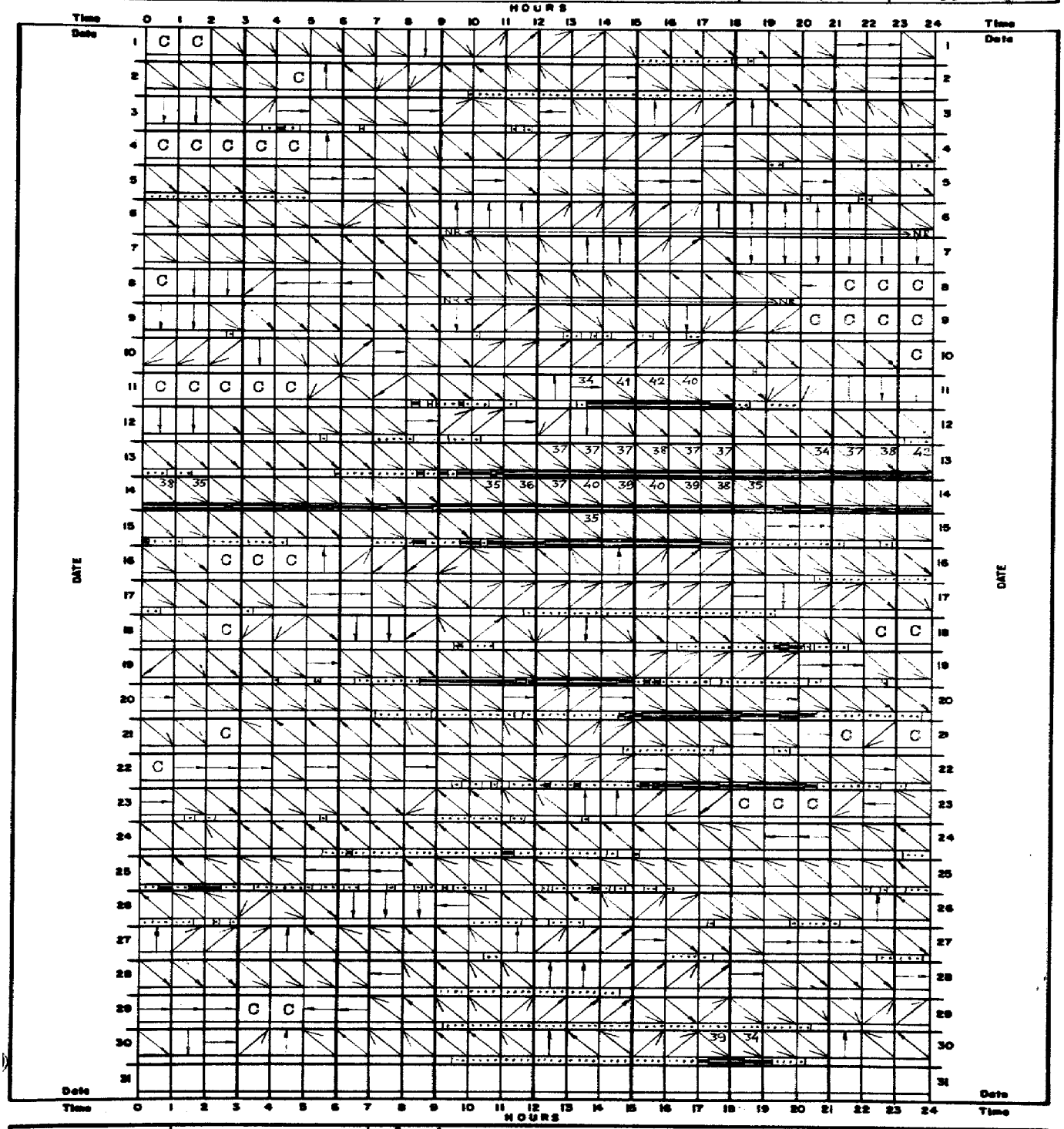
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: April	Year: 1963
	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.



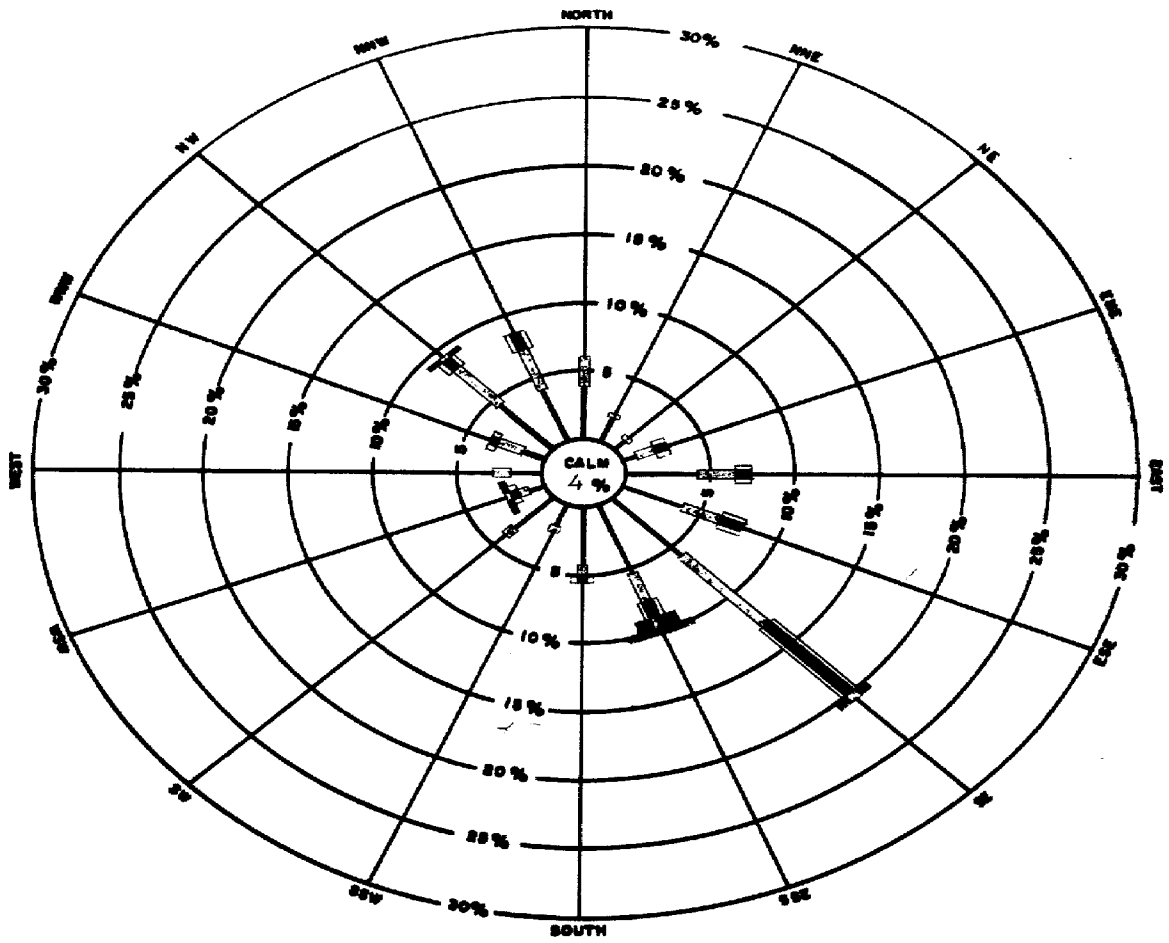
Velocity Key		Direction Key
C	Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
	1 – 10 Knots	
	11 – 16	
	17 – 21	
	22 – 33	
	> 34	

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:

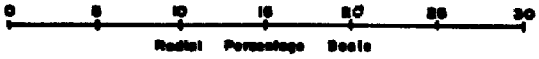
Met Form 6

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: April	Year: 1963
	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 666



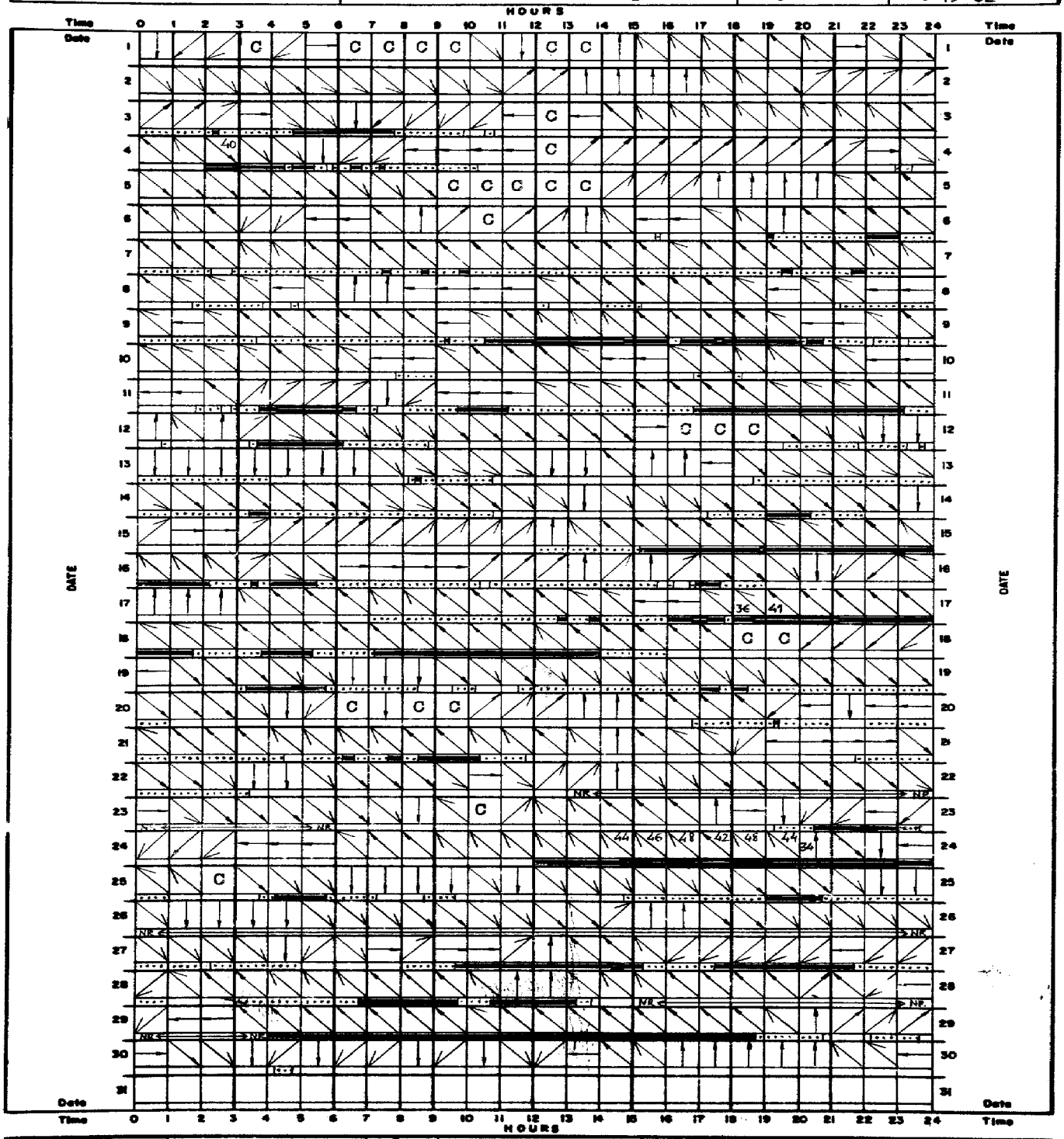
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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 B

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: April	Year: 1963
	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 b.s indicate maximum velocity over 34 knots.) NR = No Record.
1 – 10 Knots		
11 – 16		
17 – 21		
22 – 33		
> 34		

Remarks:

Met Form 6

MEAN SEA LEVEL PRESSURE (QFF).

Date	Masjid-i-Sulaiman			Agha Jari			Gach Saran			Ahwaz		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1014.7	1015.6	1014.8	1016.0	1016.9	1015.1	1013.9	1013.0	1013.0	1015.4	1017.0	1015.1
2	1013.6	1013.8	1010.9	1014.2	1014.3	1011.4	1012.4	1011.2	1010.7	1013.8	1013.8	1012.4
3	1010.4	1010.9	1010.1	1011.9	1012.6	1010.4	1008.3	1010.8	1008.7	1010.8	1012.8	1009.5
4	1009.8	1011.5	1010.1	1012.0	1012.3	1011.2	1008.6	1009.2	1007.9	1009.9	1011.7	1010.3
5	1010.5	1011.8	1010.8	1011.8	1012.8	1011.3	1009.3	1009.0	1009.4	1011.0*	1012.5*	1011.9*
6	1011.6	1013.8	1008.8	1012.7	1015.1	1009.8	1012.2	1009.3	1009.2	1012.0	1013.6	1008.7
7	1011.2	1012.6	1011.1	1013.2	1013.7	1011.9	1013.7	1011.5	1010.4	1010.5	1013.3	1011.2
8	1012.0	1012.5	1010.0	1012.7	1013.5	1010.9	1011.5	1009.5	1009.5	1012.2	1012.4	1009.8
9	1008.8	1011.3	1010.3	1010.7	1013.2	1011.7	1008.6	1011.6	1009.8	1009.4	1012.7	1010.0
10	1011.3	1010.3	1007.4	1011.4	1010.6	1008.2	1009.5	1007.1	1005.9	1010.8	1010.4	1007.2
11	1008.1	1010.6	1008.7	1011.0	1010.7	1010.2	1006.9	1008.4	1009.2	1008.5	1009.7	1008.2
12	1011.8	1012.6	1012.2	1012.9	1013.5	1013.4	1010.5	1009.2	1009.5	1012.2	1013.3*	1013.1
13	1013.6	1013.9	1012.4	1014.1	1015.1	1012.8	1011.2	1010.7	1008.8	1013.9	1014.7	1012.6
14	1011.1	1009.3	1008.2	1011.8	1010.8	1008.4	1008.5	1006.8	1004.9	1011.7	1010.5	1008.4
15	1005.4	1005.9	1002.7	1007.4	1007.9	1004.4	1004.6	1003.6	1002.0	1006.3	1006.6	1002.3
16	1001.8	1002.6	1003.6	1003.6	1005.7	1005.5	1002.3	1002.1	1003.4	1001.9	1004.4	1003.9
17	1006.8	1008.4	1006.3	1008.4	1009.9	1007.0	1006.9	1007.7	1006.7	1007.5	1008.4	1008.1
18	1008.7	1009.2	1008.1	1010.6	1010.7	1009.7	1008.9	1008.3	1008.4	1008.4	1009.1	1008.1
19	1009.8	1010.5	1009.7	1011.2	1012.0	1010.4	1008.0	1007.0	1006.5	1010.8*	1012.4*	1010.6*
20	1008.2	1008.3	1005.2	1008.5	1009.4	1006.9	1007.9	1005.8	1005.9	1008.0	1009.9	1006.0
21	1005.6	1006.6	1005.7	1007.8	1008.5	1007.3	1006.9	1005.1	1005.1	1005.3	1007.5	1006.2
22	1007.6	1008.3	1007.3	1009.4	1010.1	1007.4	1004.9	1005.5	1004.5	1008.7	1009.4	1007.5
23	1006.8	1006.4	1006.6	1008.0	1007.4	1005.3	1006.7	1004.4	1005.4	1007.2	1006.8	1006.9
24	1005.2	1004.6	1003.6	1004.2	1005.9	1005.4	1005.8	1005.3	1005.9	1004.6	1003.9	1003.1
25	1007.1	1008.1	1007.3	1007.4	1008.9	1007.7	1004.0	1007.0	1002.2	1007.3	1008.4	1008.1
26	1009.6	1010.1	1008.7	1011.7	1011.0	1009.5	1008.6	1007.4	1006.5	1011.0*	1010.9*	1009.7
27	1008.9	1009.7	1008.1	1009.8	1010.8	1008.8	1007.9	1006.7	1004.6	1009.1	1010.5	1008.7
28	1007.0	1007.5	1002.5	1008.7	1008.3	1004.0	1005.8	1004.6	1002.0	1008.3	1007.6	1002.9
29	1003.6	1004.1	1003.6	1005.5	1007.1	1005.3	1003.9	1005.0	1003.8	1003.1	1005.2	1004.0
30	1007.9	1007.9	1005.5	1009.1	1009.0	1007.9	1006.4	1005.6	1005.3	1008.6	1008.2	1006.4
Av.	1008.9	1009.6	1008.0	1010.3	1010.9	1009.0	1008.1	1007.6	1006.8	1009.3	1010.3	1008.3

Date	Abadan			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1015.6	1017.0	1015.1	1015.2	1016.2	1014.2	1014.9	1015.9	1013.9	1014.0	1014.2	1012.1
2	1016.0	1013.9*	1011.7	1013.6	1013.3*	1010.7*	1013.3	1014.4	1011.1	1013.0	1014.1	1011.2
3	1010.8	1011.6	1009.5*	1010.6	1011.7	1009.7	1010.7	1011.6	1010.2	1012.1	1010.8	1010.7
4	1010.3	1012.2	1010.5	1009.9	1011.7	1010.2	1010.8	1010.1	1009.8	1009.5	1009.6	1008.2
5	1011.5*	1011.8*	1010.4	1010.7	1011.7	1010.8	1010.6	1012.2	1011.2	1010.5	1010.8	1010.8
6	1012.1	1013.4	1009.1	1011.5	1013.7	1010.8	1011.5	1013.7	1010.2	1012.2	1014.2	1012.5
7	1010.0	1012.2	1009.9	1011.2	1012.8	1010.8	1013.5	1013.5	1011.5	1014.0	1015.7	1012.6
8	1011.4	1012.0	1009.2	1011.7	1012.3	1009.9	1012.4	1012.4	1010.7	1012.9	1012.9	1011.6
9	1009.0	1009.5	1008.9	1009.5	1010.8	1009.9	1009.6	1013.0	1009.6	1011.1	1013.0	1009.6
10	1009.0*	1009.3	1006.9	1010.3	1009.8	1007.4	1009.9	1009.7	1007.4	1009.5	1009.4	1008.1
11	1007.8	1009.5	1006.7	1009.6	1009.9	1009.0	1010.1	1010.7	1009.9	1009.4	1010.4	1009.4
12	1011.4*	1014.1*	1013.1*	1012.6	1012.9	1012.7	1011.4	1012.4	1012.0	1010.9	1012.3	1011.4
13	1014.7	1014.9	1913.2	1013.6	1014.2	1012.1	1012.8	1014.0	1012.0	1010.7	1010.4	1008.9
14	1012.1	1011.3	1009.0	1011.0	1010.2	1007.8	1010.3	1010.6	1007.7	1007.8	1008.0	1006.3
15	1006.4	1006.4	1001.6*	1006.4	1006.4	1002.7	1006.5	1007.4	1004.6	1007.4	1007.6	1006.1
16	1003.0	1004.6	1005.1	1002.4	1004.2	1004.7	1003.6	1005.5	1005.5	1005.8	1006.4	1005.7
17	1002.2	1007.8	1003.7	1007.2	1009.0	1006.7	1007.8	1009.6	1007.5	1009.0	1009.9	1009.1
18	1007.8	1009.4	1008.4	1008.9	1009.6	1008.9	1009.9	1011.1	1008.4	1010.1	1012.7	1010.9
19	1011.1*	1012.7*	1010.8	1010.2	1011.4	1010.3	1009.1	1010.6	1009.3	1010.4	1008.8	1008.4
20	1007.8	1008.8	1006.0	1007.5	1008.9	1006.8*	1007.5	1009.0	1006.8	1005.7	1005.8	1004.9
21	1005.9	1007.5	1007.3	1006.3	1007.6	1007.8	1006.6	1007.8	1005.8	1007.7	1008.9	1006.0
22	1010.0	1010.0	1008.3	1009.7	1009.6	1006.3	1007.7	1009.5	1006.7	1007.0	1007.0	1004.8
23	1007.4	1008.1	1008.8	1006.7	1006.8	1005.2	1006.2	1007.1	1004.8	1005.8	1008.1	1006.9
24	1002.9	1003.6	1003.2	1003.2	1004.7	1004.0	1005.5	1005.4	1004.5	1007.7	1009.6	1007.2
25	1007.1	1008.9	1008.0	1006.6	1007.7	1007.1	1005.8	1007.2	1006.3	1008.9	1010.3	1007.5
26	1010.2*	1011.1*	1009.9	1010.0	1010.3	1009.3	1008.8	1010.1	1008.7	1007.4	1007.6	1005.8
27	1009.6	1011.2	1008.9	1009.5	1010.5	1008.5	1007.1	1010.4	1007.9	1009.2	1009.8	1007.7
28	1007.8	1007.3	1002.3	1008.3	1008.1	1003.8	1007.8	1008.3	1004.4	1007.1	1008.1	1006.3
29	1003.4	1005.0	1003.9	1004.5	1006.1	1004.4	1005.3	1006.5	1004.9	1007.5	1010.5	1007.2
30	1009.1	1008.1	1006.8	1008.8	1009.0*	1006.9	1007.8	1008.2	1007.0	1007.0	1009.3	1008.6
Av.	1009.1	1010.1	1008.2	1009.3	1010.0	1008.3	1009.2	1010.3	1008.3	1009.4	1010.2	1008.5

* Values obtained from barograph recordings.

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IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES

METEOROLOGICAL OBSERVATIONS

FOR

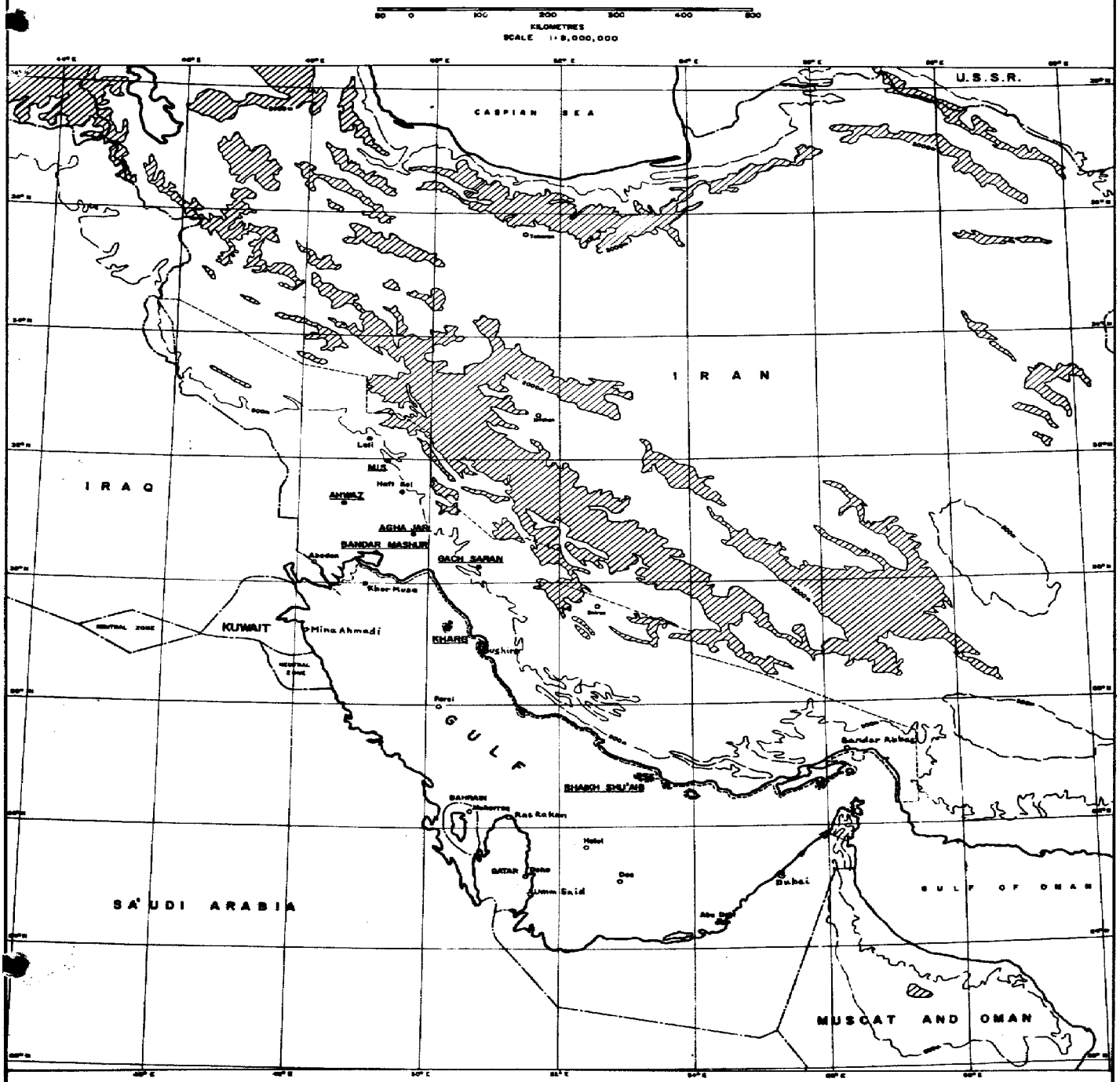
MAY

1963

Atch #1

IR 1846 008463
169.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



LEGEND

'Weather Station, Companies'

'Weather Station Non-Companies'

Ground elevation 500 metres AMSL

Ground elevation over 2000 metres AMSL

Companies' Agreement Boundary

International Boundaries

KHARG

Hotel

500m

WETHER BULLETIN

May 1963

The Iranian Oil Exploration and Producing Companies' Weather Reporting Stations are controlled by Air Services HQ, Masjid-i-Sulaiman. The technical work is suervised by a meteorologist from International Meteorological Consultant Services, London. The instruments and observation procedures used are according to international regulations. The stations are manned by specially trained Meteorological Observers.

The units used in this bulletin are those recommended by World Meteorological Organization. For the benefit of those who want to use other units, the necessary conversions factors were given in the March 1963 bulletin.

CONTENTS.

The following stations are included in this bulletin.

Station	Index Number	Latitude	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport) 1)	40 812	31°59' N	49°16' E	362 m.	5
Agha Jari (Ummidieh airport) 1)	40 833	30°44' N	49°40' E	29 m.	10
Gach Saran (Du Gombadan airport) 1)	40 835	30°20' N	50°50' E	709 m.	15
Kut Abdullah (Airport) 2)	-	31°13' N	48°20' E	15 m.	18
Abadan (IOE&PC airport) 2)	-	30°22' N	48°13' E	3 m.	21
Bandar Mashur (Marine Department) 3)	40 832	30°30' N	49°12' E*	3 m.	24
Kharg Island (Airport) 1)	40 845	29°16' N	50°20' E	3 m.	29
Sheikh Shu'aib (Decca Navigator Stn.) 3)	40 882	26°48' N	53°22' E	2 m.	34
Khor Musa (Instrument platform) 4)	-	30°00' N	49°02' E	6 m.	39

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

* Wind recording at 30°33' N 49°09' E

REMARKS.

Met. Form 2.

Maximum and Minimum Temperature.

Measured in a temperature screen about 135 cm. above ground. A standard mercury maximum and a standard spirit minimum thermometer are used,
The average temperature of the month can roughly be obtained by taking the mean of the average maximum and the average minimum temperatures.

Ground Minimum Temperature.

Measured by a standars spirit minimum thermometer exposed at about 2 cm above ground.

Sun Maximum Temperature.

Measured by a mercury black bulb thermometer in vacuum. The maximum intensity of the solar radiation is measured in expressed in °C. The thermometer is exposed at a height of about 135 cm above ground.

Humidity.

Measured by a "dry and wet" bulb thermometer system (unventilated) in a thermometer screen at a height of approximately 135 cm above ground.

The daily average is calculated from the observations at 0630, 1230 and 1830 local time.

Vapout pressure is the partial pressure of the water wapour gas in the atmosphere.

Dew point depression is the difference between the shade temperature and the dew point temperature (at which condensation takes place if the air is cooled at that temperature)

During the greater part of the year, the minimum relative humidity occurs, as an average at about 1530, and the maximum relative humidity at about 0630 local time. However, there can be great variations from this rule, particularly in wintertime.

Station Pressure.

The barometer reading reduced to 0°C, standard gravity and station level. Measured by a Kew type station barometer.

Rainfall.

Measured by 8" rain gauge, the top of which is approximately 70 cm above ground. 1 mm rainfall is equal to an amount of 1 kg (1 litre) of water per square meter of level ground.

Wind.

The stations at Masjid-i-Sulaiman, Agha Jari, Bandar Mashur, Kharg Island, Sheikh Shu'aib, and Khor Musa are equipped with Dines Pressure Tube Anemographs. The other stations have cup generator anemometers and/or portable anemometers.

Horizontal Visibility.
The lowest visibility reported during daytime is used in this frequecy table.

Dust.
Includes days with sandstorm or dust suspended in the air if the horizontal visibility has been less than or equal to 1 Km.

Thunderstorms.
Includes days with thunderstorm at the station or heard from the station.

Cloudiness.
The total amount of clouds is expressed in eights of the complete celestial dome.

The Daily Average is calculated from the observations at 0630, 0930, 1230, 1530, and 1830 local time.

Met. Form 3.
See comments under Met. Form 2.

Cloudiness.
x = clouds have not been observed due to fog or dust

Rainfall.
Tr.= Less than 0.1 mm (Trace).

Remarks.
The most important weather phenomena during the day is given. The Code of remarks at the bottom of the pages is given in terms of increasing importance of weather. As the observers are not on duty during night, generally the weather during the daytime is given. If the observer, however, has observed any weather phenomena during night it is included under Remarks.

Met. Form 5 and 6.

The wind has been recorded with Dines pressure tube Anemograph exposed at approximately 13 m above ground.

WEATHER.
The following table gives the departures from the normal May values of certain meteorological elements. In the last column has been given the rainfall, in percentage of normal, from the beginning of the winter until 31st May. (+ = higher than normal, - = lower than normal.)

	Maximum Temperature °C	Minimum Temperature °C	Sun Maximum Temperature °C	Relative Humidity (average of day),%	Rainfall in May. % of normal	Rainfall Oct. 1962-May 1963 % of normal	Station Pressure mb
Masjid-i-Sulaiman	-5.0	+3.8	-3.6	+10	653	60	
Agha Jari	-5.2	-3.2		+19	734	100	
Gach Saran	-4.7	-3.7	-6.3		2344	80	
Abadan	-3.9	+0.0		+12	862		
Bandar Mashur	-5.9	-1.2			111	58	-0.1
Kharg Island	-2.9	-1.5	-1.4		333	48	

Gh.H.Ghassemi
Chief Meteorological Observer.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: May Year: 1953

Local Time: G.M.T. + 3½ hrs

Station	Max. Temperature Monthly Average °C	Max. 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 (Q.N.H.) at 0930 Monthly Average mb	Station Pressure (Q.N.H.) at 0930 Monthly Highest mb	Date	Station Pressure (Q.N.H.) at 0930 Monthly Lowest mb	Date	Maximum Wind Velocity Velocity kts.	Maximum Wind Velocity Direction degr.	Date
Masjid-i-Suleiman	33.0	40.1	24	19.0	10.4	3	16.9	9.7	3		63.1	74.9	24	12.5	16.7	38	29	52	52.2	20.6	10	967.2	971.3	9	962.9	29	44	330	28
Agha Jari	34.1	43.0	28	19.7	10.4	4	16.3	7.5	3		68.3	79.0	31	14.5	16.5	39	25	59	60.9	29.1	11	1006.2	1011.3	8	1001.1	29	53	010	28
Gach Saran	30.6	38.4	24	15.7	9.3	11	14.5	9.4	4		62.0	71.0	28	13.0	14.3	45	32	69	87.8	38.6	11	927.9	932.0	8	925.1	29			
Kut Abdullah	34.2	41.7	27	19.2	11.3	3	17.3	10.3	3		72.3	80.0	20	15.3	14.1	45	28	70	89.6	49.5	10	1006.7	1010.6	8	1002.6	28			
Abadan	34.4	42.9	27	21.4	12.8	3								18.0	12.9	47	35	71	51.6	39.4	10	1008.3	1012.7	8	1003.6	28			
Bandar Mashur	32.9	39.6	27	20.8	13.5	3	20.5	13.0	3					18.9	10.8	52	36	72	48.4	33.2	11	1008.1	1013.7	8	1003.3	28	50	010	28
Kharg Island	30.5	36.2	27	22.2	16.5	3	20.1	13.5	4		64.0	70.2	27	22.7	7.7	64	52	77	10.0	5.8	2	1007.8	1012.4	8	1003.5	29	54	010	11
Sheikh Shu'aib	30.6	36.8	30	22.3	19.8	6	19.0	16.5	20		68.9	77.4	30	24.6	7.9	71	63	81	11.2	7.9	6	1008.8	1011.9	7	1004.8	30	45	280	18
Khor Musa																											46	170	28

NUMBER OF DAYS WITH

Station	Cloudiness Daily Average	Cloudiness ≤ 2/8 at 0930	Cloudiness ≥ 7/8 at 0930	Rainfall 24 Hour ≥ 1 inch	Rainfall 24 Hour ≥ 10 mm	Rainfall 24 Hour 5.0–9.9 mm	Rainfall 24 Hour 1.0–4.9 mm	Rainfall 24 Hour 0.1–0.9 mm	Rainfall 24 Hour ≥ 0.1 mm	Thunderstorms	Dust (Vis. ≤ 1 km)	Fog. (Vis. ≤ 1 km)	Horizontal Visibility ≥ 30 km	Horizontal Visibility 15–30 km	Horizontal Visibility 5–15 km	Horizontal Visibility 2–5 km	Horizontal Visibility 1–2 km	Horizontal Visibility 500–1000 m	Horizontal Visibility 200–500 m	Horizontal Visibility ≤ 200 m	Minimum Temperature ≥ 35.0 °C	Minimum Temperature 30.0–34.9 °C	Minimum Temperature 20.0–29.9 °C	Minimum Temperature 10.0–19.9 °C	Minimum Temperature 0.0–9.9 °C	Minimum Temperature < 0.0 °C	Maximum Temperature ≥ 45.0 °C	Maximum Temperature 40.0–44.9 °C	Maximum Temperature 30.0–39.9 °C	Maximum Temperature 20.0–29.9 °C	Maximum Temperature 10.0–19.9 °C	Maximum Temperature < 10.0 °C
Masjid-i-Suleiman	3.6	14	10	0	2	1	4	3	10	10	2	0	5	11	7	4	1	1	1	1	0	0	17	14	0	0	0	1	21	9	0	0
Agha Jari	2.4	21	6	1	2	1	1	1	6	5	2	0	6	11	9	2	1	1	1	1	0	0	16	15	0	0	0	5	20	6	0	0
Gach Saran	2.8	18	6	2	4	1	0	0	7	6	2	0	4	14	12	1	0	0	0	0	0	0	26	4	1	0	0	3	22	14	6	0
Kut Abdullah	2.3	21	6	2	2	0	2	0	4	3	1	0	5	14	9	2	0	1	0	0	0	0	19	12	0	0	0	0	22	6	0	0
Abadan	2.5	22	5	1	1	1	2	0	4	1	1	0	0	12	14	3	1	1	0	0	0	0	10	21	0	0	0	0	22	6	0	0
Bandar Mashur	2.8	18	6	0	0	2	0	0	3	3	0	0	2	15	11	2	1	0	0	0	0	0	7	24	0	0	0	0	23	8	0	0
Kharg Island	1.9	22	4	0	0	1	2	2	5	2	0	0	0	23	7	1	0	0	0	0	0	0	6	25	0	0	0	0	18	13	0	0
Sheikh Shu'aib	2.7	18	6	0	0	1	2	0	3	1	0	0	7	7	17	0	0	0	0	0	0	0	2	29	0	0	0	0	16	15	0	0

Met. Form 2

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: April Year: 1963

Station: Masjid -I-Sulaiman

Ground Level: 362 m A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 31°59' N | Long: 49°16' 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	22.2	15.6	10.2	12.5	47	964.1	070	13	7	20	25.1	18.1	13.2	15.2	48	964.7	190	15	8	10	1
2	17.5	13.6	10.3	12.5	62	963.7	090	4	0	40	21.5	17.0	13.8	15.8	61	964.9	270	15	8	20	2
3	12.2	11.7	11.3	13.4	94	967.4	–	3	0	50	20.8	15.0	10.2	12.5	51	968.9	230	10	4	70	3
4	18.4	13.0	7.9	10.7	50	970.6	030	4	6	70	26.8	16.0	6.3	9.6	27	970.0	180	2	6	70	4
5	21.7	13.8	6.2	9.5	37	963.6	100	8	8	20	25.8	15.9	7.2	10.2	31	965.6	230	6	8	30	5
6	19.5	13.9	8.9	11.4	50	962.8	060	15	7	30	18.7	13.8	9.4	11.9	55	966.0	100	20	7	30	6
7	17.2	14.5	12.4	14.4	73	968.5	030	12	4	30	25.0	16.2	8.9	11.4	36	971.0	100	7	4	20	7
8	18.6	16.5	15.1	17.2	80	970.8	–	0	1	25	30.6	19.1	10.7	12.8	29	970.9	270	3	7	30	8
9	21.4	16.3	12.4	14.4	57	967.6	–	0	8	20	29.7	19.5	12.5	14.6	35	968.0	–	0	7	30	9
10	20.2*		15.6*	17.7*	75*	965.5*	240	5	8	10	22.0	17.0	13.4	15.4	58	964.3	150	20	8	10	10
11	16.4	13.9	11.8	13.9	74	963.9	070	10	8	15	24.0	16.4	9.8	12.1	41	965.6	230	8	5	30	11
12	16.2	15.1	14.3	16.3	87	967.3	–	0	2	20	23.5	16.6	11.3	13.4	46	969.0	260	5	5	50	12
13	17.2	15.6	14.4	16.5	84	968.5	300	3	0	30	25.8	18.0	12.3	14.4	43	968.9	–	0	2	30	13
14	19.3	16.7	14.9	17.0	76	967.2	–	0	0	15	29.0	18.2	10.0	12.3	31	967.9	330	8	1	40	14
15	22.4	17.2	13.7	15.5	58	967.2	–	0	2	30	33.0	19.0	8.1	10.8	21	967.5	330	10	8	30	15
16	26.0	17.6	11.3	13.4	40	969.2	060	10	7	25	31.5	19.0	9.7	12.0	26	969.4	060	20	1	20	16
17	25.4	18.4	13.5	15.6	48	967.9	–	0	7	20	31.4	19.2	10.1	12.5	27	969.0	220	8	7	25	17
18	19.9	13.8	8.2	10.9	47	966.9	–	0	0	5	29.3	16.3	4.0	8.2	20	967.1	180	4	0	40	18
19	20.6	14.9	10.1	12.4	51	966.1	060	2	0	20	31.6	17.8	6.0	9.2	20	966.8	330	10	0	30	19
20	21.7	14.9	9.0	11.5	44	965.9	–	0	1	15	33.3	18.0	4.4	8.4	16	966.7	330	4	7	30	20
21	23.5	15.4	8.4	11.1	38	965.5	300	5	6	15	33.5	18.0	4.1	8.2	16	966.4	030	15	6	20	21
22	23.7	13.8	4.8	8.7	32	965.7	–	0	0	10	34.0	17.2	0.2	6.2	12	966.0	220	8	0	20	22
23	21.0	13.0	4.7	8.6	34	965.0	–	0	0	15	35.0	18.6	4.4	8.4	15	966.0	280	6	0	30	23
24	26.0	15.2	4.8	8.7	26	965.3	060	6	0	30	38.6	19.4	2.2	7.2	10	965.5	270	8	0	70	24
25	30.1	16.4	3.1	7.6	18	964.7	160	2	8	15	35.3	21.0	11.5	13.5	24	965.2	150	8	0	3	25
26	24.3	14.6	5.3	8.9	29	966.5	–	0	0	2	35.4	18.3	2.5	7.4	13	966.0	300	8	0	4	26
27	27.8	17.2	8.7	11.2	30	964.7	–	0	0	8	37.6	19.6	4.6	8.5	13	964.7	200	5	0	15	27
28	25.4	17.3	11.2	13.3	41	966.2	050	18	6	20	37.0	20.2	7.3	10.2	16	963.0	050	8	3	15	28
29	27.2	18.4	12.1	14.0	39	963.0	040	10	7	1	31.0	20.8	14.3	16.5	37	964.1	280	8	8	2.5	29
30	21.9	15.6	10.6	12.8	49	965.3	–	0	2	6	30.2	18.0	8.2	10.8	25	966.8	240	5	1	40	30
31	22.8	15.8	10.0	12.4	45	966.7	280	2	0	25	33.2	18.6	6.6	9.6	19	966.4	250	5	0	30	31
Av.	21.5	15.3	10.2	12.7	52	966.2	–	4	3	21	29.7	17.9	8.3	11.3	30	966.9	–	8	4	29	Av.

* Values obtained from recording instruments.

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: May Year: 1953

Station: Masjid-I-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°16' 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		
28.0	17.8	9.9	12.2	32	961.0	180	15	8	4		30.0	18.8	18.2	61.0	150	33	Tr.	Th. storm	1
12.5	11.7	11.1	13.2	91	966.9	270	8	8	6		28.4	16.2	14.5	58.5	240	36	13.2	"	2
22.0	14.7	8.3	11.0	41	969.7	–	0	6	70		23.0	10.4	9.7	57.0	060	15	2.8	P. Cloudy	3
26.0	15.7	6.5	9.7	29	967.1	–	0	5	50		27.8	16.2	14.7	62.7	050	16	0	"	4
18.8	15.0	12.0	14.1	65	965.5	–	0	7	30		26.8	18.3	16.6	60.5	160	27	Tr.	Rain	5
19.8	14.0	8.8	11.4	49	963.9	060	20	4	30		22.1	16.0	15.0	43.3	090	34	3.3	Th. storm	6
26.2	18.8	13.8	15.8	46	970.1	–	0	1	30		27.4	14.4	14.1	63.3	070	25	1.3	"	7
30.0	18.2	9.0	11.5	27	968.5	–	0	3	30		31.8	17.0	15.0	65.1	230	15	0	P. Cloudy	8
31.0	16.0	0.2	6.2	14	965.8*	240	10	6	20		33.0	20.2	18.5	60.0	200	16	0	Cloudy	9
17.8	14.8	12.5	14.5	71	963.6	060	12	7	20		31.0	14.7		39.6	150	37	20.8	Th. storm	10
21.6	15.4	10.3	12.6	49	966.2	–	0	3	50		24.7	14.0	13.0	62.0	220	21	0.5	"	11
21.4	17.4	14.6	16.7	65	969.4	–	0	5	35		26.5	14.5	13.1	63.0	320	39	7.6	"	12
27.2	17.6	10.3	12.5	35	967.1	270	8	2	70		28.8	16.5	13.5	59.9			0	Fair	13
30.4	18.0	7.9	10.7	25	965.6	280	6	2	25		31.7	17.8	15.8	62.0	280	15	0	"	14
32.5	18.9	8.3	11.0	22	966.5	–	0	7	20		34.3	21.1	18.1	67.5	310	27	0	Cloudy	15
33.5	19.3	7.8	10.6	20	966.5	180	5	7	15		35.2	23.1	22.4	65.3	080	26	Tr.	Th. storm	16
29.0	14.5	-2.7	4.9	12	967.0	270	18	0	1.5		34.2	22.6	19.6	65.2	270	27	0.5	Haze	17
30.0	16.6	4.0	8.2	19	965.8	–	0	0	30		31.5	18.8	16.8	63.5	220	15	0	"	18
31.8	17.4	4.4	8.4	18	964.8	260	4	0	40		33.5	18.6	16.0	64.5	280	23	0	"	19
33.0	17.5	3.1	7.6	15	964.5	300	2	6	30		35.2	20.0	16.2	69.0	250	16	0	P. Cloudy	20
33.4	18.2	5.0	8.5	17	964.4	290	5	1	25		35.0	21.9	18.2	70.5	010	27	Tr.	Rainsh.	21
32.5	15.5	-5.1	4.0	8	964.5	240	2	1	20		35.6	20.7	17.6	65.4	200	22	0	Haze	22
35.9	19.4	5.9	9.3	16	964.0	–	0	0	40		37.5	19.8	15.2	68.6	300	15	0	"	23
38.2	19.0	1.1	6.6	10	963.5	210	2	4	30		40.1	22.6	19.8	74.9	250	16	0	Fair	24
33.8	16.5	-2.6	5.0	10	964.4	270	15	0	2		38.9	27.2	25.4	67.3	140	27	0	Haze	25
35.2	18.8	4.8	8.8	15	963.8	270	12	0	6		38.0	22.1	20.1	62.8	310	21	0	"	26
36.4	19.3	5.0	8.7	14	962.8	260	9	4	10		39.5	24.5		70.8	200	21	0	"	27
35.8	19.0	4.7	8.6	15	960.1	300	10	8	0.8		38.9	22.5	18.4	71.0	330	44	0.5	Th. storm	28
27.2	20.6	16.7	19.0	52	963.1	030	8	5	6		36.2	24.8	20.0	63.0	250	28	1.9	"	29
30.8	18.0	7.4	10.4	23	965.5	270	5	0	25		32.3	19.3	16.6	63.7	270	17	0	Haze	30
34.0	17.5	1.6	6.8	13	965.2	320	5	0	70		35.9	20.5	17.2	66.2	290	18	0	Clear	31
29.0	17.2	6.6	10.3	30	965.4	–	6	4	27										Av.

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

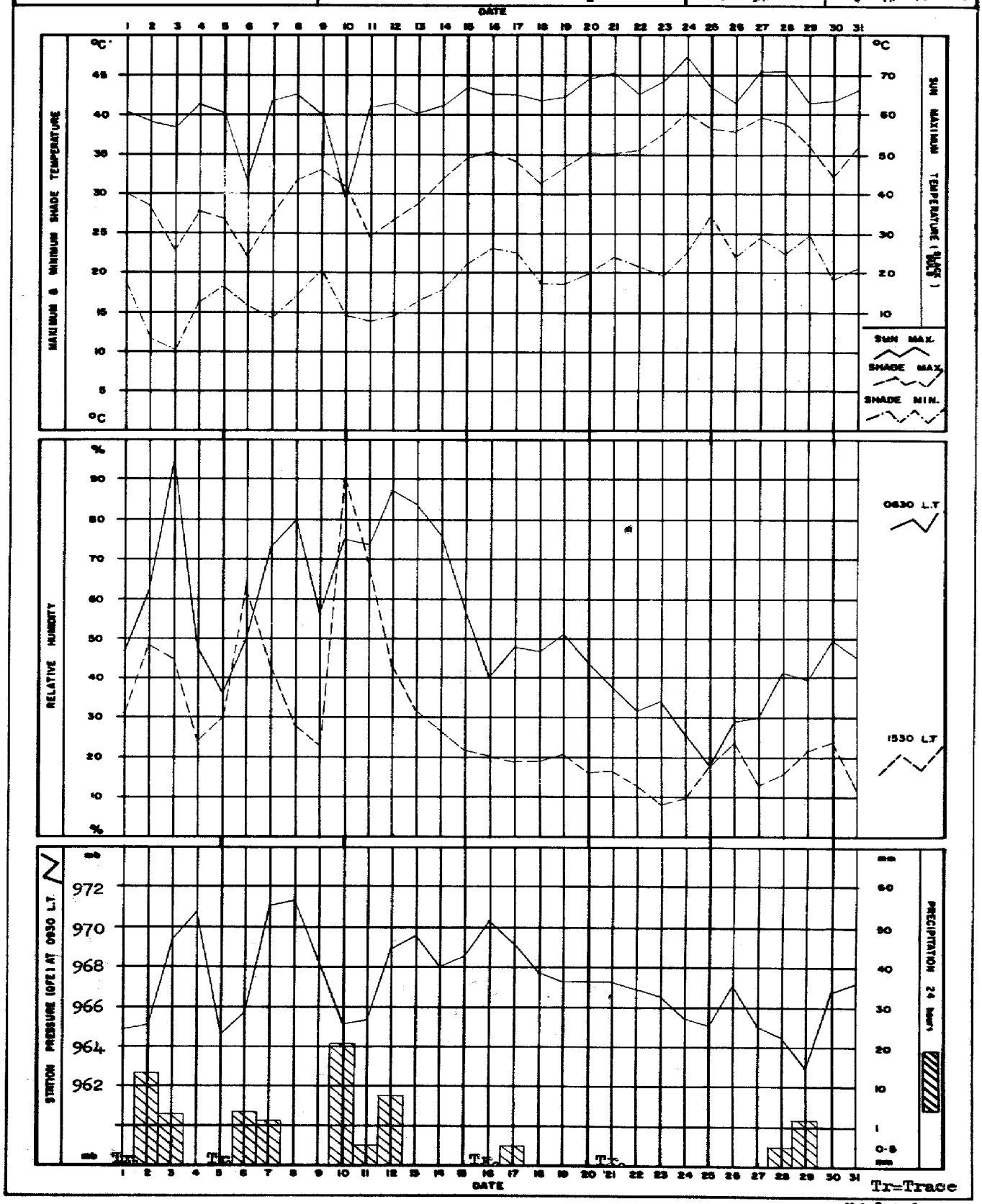
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

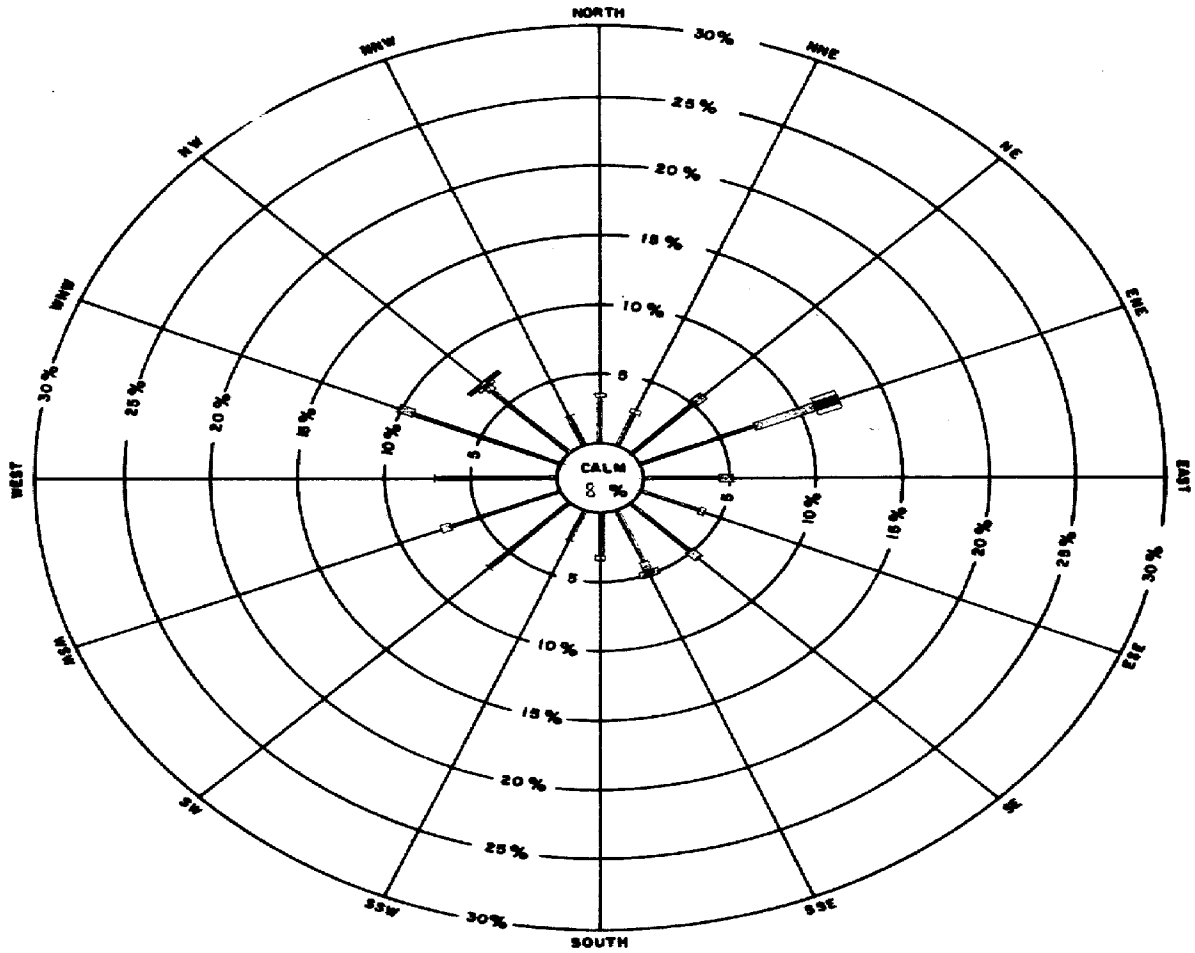
Met. Form 5a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
		Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Met. Form 4

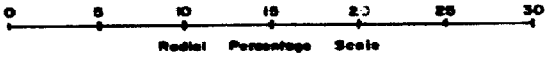
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: May	Year: 1963
	Compiled from Wind Records Summary	Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°18' E



Hours in month 744

Hours recorded 731

Velocity Key



Radial Percentage Scale

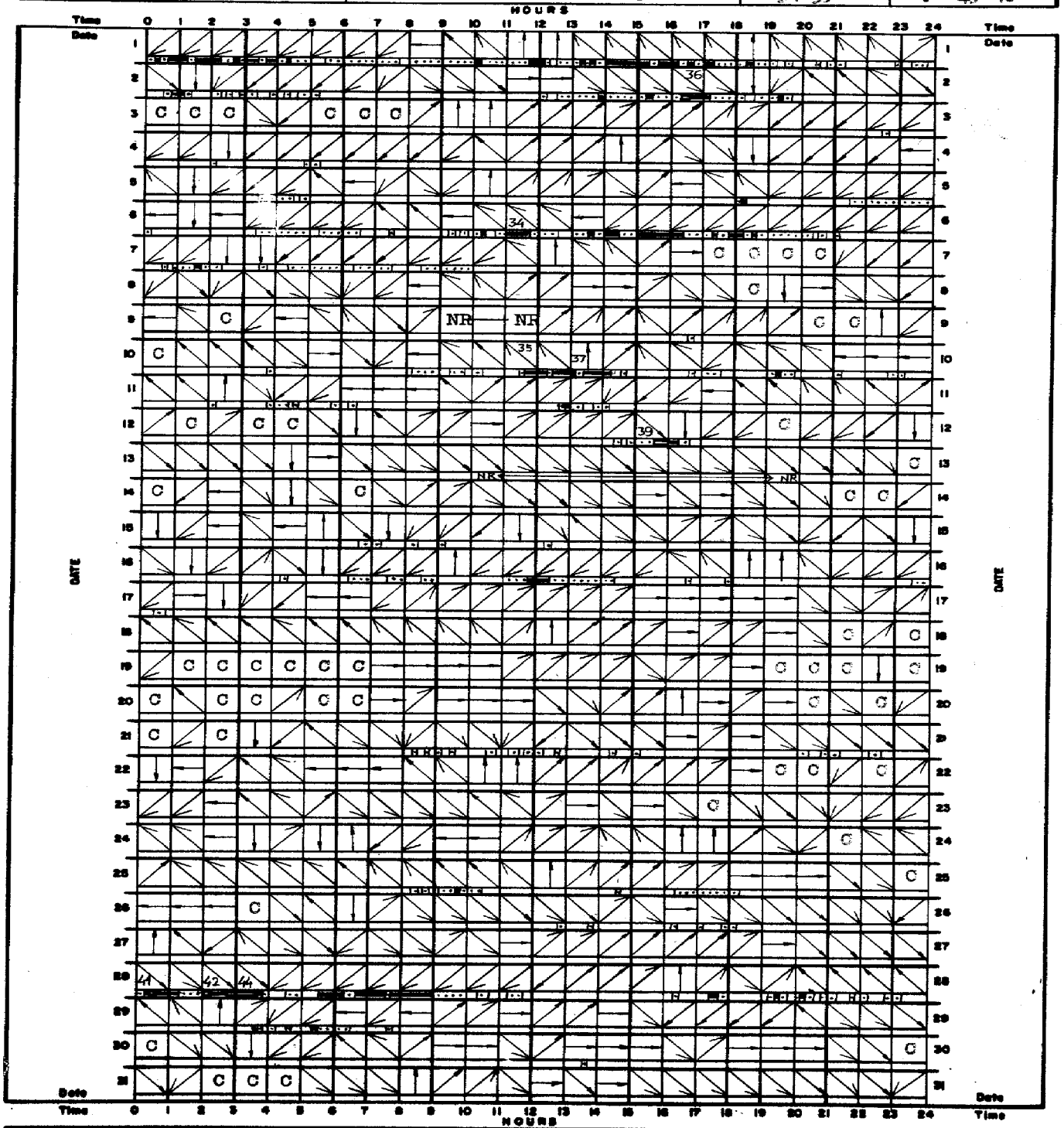
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

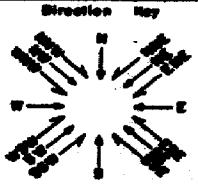
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: May	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-I-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31° 59' N.	Long: 49° 16' E



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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: May Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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	22.0	16.1	11.5	13.5	51	1003.2	150	8	2	10	30.2	19.7	12.6	14.6	34	1004.0	160	25	6	8	1
2	20.0	16.5	14.0	16.0	68	1002.1	100	5	4	20	22.0	17.5	14.3	16.4	62	1003.2	060	11	8	8	2
3	15.5	13.1	11.1	13.2	75	1007.0	100	5	1	30	25.2	16.1	8.4	11.1	35	1009.5	310	4	2	40	3
4	17.8	15.8	14.2	16.3	80	1010.0	–	0	0	40	28.0	16.3	5.6	9.1	24	1009.4	200	4	2	40	4
5	19.7	17.0	15.2	17.3	75	1002.4	–	0	6	40	26.0	18.4	13.1	15.1	45	1005.5	240	6	8	15	5
6	19.5	15.7	12.8	14.9	66	1002.1	130	8	6	30	18.0	16.4	15.3	17.5	85	1006.2	060	18	8	10	6
7	19.6	17.4	15.9	18.1	79	1007.8	120	4	2	30	29.5	20.7	15.3	17.4	42	1009.9	190	6	3	30	7
8	19.1	16.7	15.1	17.2	78	1009.9	–	0	7	30	31.6	17.6	5.3	9.0	19	1009.7	140	6	6	35	8
9	23.5	18.4	15.0	17.1	59	1006.9	360	4	7	16	31.6	19.6	11.1	13.2	29	1007.1	320	8	8	10	9
10	22.1	21.0	20.4	24.0	90	1005.9	350	2	8	10	25.2	19.4	15.8	18.0	56	1004.7	110	24	6	12	10
11	18.4	15.5	13.3	15.3	72	1004.8	100	6	7	30	26.3	19.4	14.9	17.0	50	1005.5	200	2	4	50	11
12	17.2	15.9	15.0	17.1	87	1006.9	–	0	0	40	25.9	19.6	15.7	17.8	53	1009.1	340	5	1	50	12
13	19.2	16.8	15.1	17.2	77	1008.0	330	2	0	40	29.2	20.6	15.3	17.5	43	1008.3	320	18	1	20	13
14	20.6	18.4	17.0	19.4	80	1006.1	–	0	0	15	31.7	20.6	13.4	15.4	33	1006.7	320	7	1	15	14
15	21.0	18.1	16.2	18.5	74	1005.4	130	2	0	30	35.0	21.5	13.0	15.0	27	1005.7	–	0	1	30	15
16	25.1	21.6	19.8	23.1	73	1008.7	–	0	4	20	36.2	21.6	12.2	14.2	24	1007.6	170	6	3	15	16
17	26.2	19.5	15.2	17.3	50	1006.9	–	0	3	30	36.4	21.9	12.7	14.7	24	1007.1	270	11	2	20	17
18	20.8	15.9	12.2	14.2	58	1007.0	360	2	0	20	31.0	17.8	6.6	9.8	22	1006.5	310	8	0	40	18
19	20.4	16.1	12.9	14.9	62	1005.5	340	2	0	30	33.5	19.1	7.8	10.6	22	1005.7	300	6	0	30	19
20	20.3	15.0	10.6	12.8	54	1004.7	140	6	0	25	34.9	19.9	8.6	11.2	20	1005.6	300	2	3	30	20
21	24.2	17.1	11.8	13.9	46	1004.7	–	0	3	30	37.0	20.3	7.7	10.4	17	1004.2	340	2	1	40	21
22	22.2	15.0	8.8	11.3	42	1005.2	310	6	0	15	35.0	19.7	8.0	10.7	19	1005.1	300	8	0	30	22
23	21.6	15.2	9.8	12.2	47	1003.8	–	0	0	20	36.0	19.0	4.4	8.4	14	1004.5	350	4	0	20	23
24	21.6	13.5	5.3	9.0	35	1003.3	130	4	0	25	38.9	20.0	4.1	8.3	12	1003.8	210	10	1	30	24
25	25.6	16.5	9.1	11.6	35	1003.4	170	10	0	25	37.2	21.4	10.7	12.9	20	1004.9	320	15	0	3	25
26	21.8	14.7	8.4	11.1	43	1004.6	020	4	0	20	38.4	19.1	1.1	6.7	10	1003.5	270	12	0	5	26
27	23.8	16.2	10.1	12.4	42	1002.2	–	0	0	10	41.3	20.3	2.1	7.1	9	1001.2	310	12	0	12	27
28	31.8	18.7	8.4	11.1	24	1004.1	360	25	4	6	41.4	20.8	4.0	8.0	10	1000.6	160	5	2	10	28
29	30.0	17.7	7.6	10.4	25	1000.6	190	5	5	6	36.7	22.5	13.9	15.9	26	1001.6	180	10	7	8	29
30	24.4	15.9	8.7	11.3	37	1004.5	–	0	4	12	34.2	18.3	4.2	8.3	15	1005.3	320	5	2	30	30
31	23.6	16.7	11.4	13.6	47	1005.0	320	4	0	30	36.0	19.2	5.1	8.9	15	1004.5	290	6	0	30	31
Mean	21.9	16.7	12.6	15.0	59	1005.2	–	4	2	24	32.2	19.5	9.8	12.6	30	1005.7	–	9	3	23	Mean

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: May Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°42' N Long: 49°46' 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		
27.6	20.5	16.2	18.4	50	1001.0	170	20	4	5		32.6	20.2	15.6	65.4	170	37	0		Haze	1
16.8	14.0	11.7	13.8	72	1005.9	360	25	4	40		27.6	15.1	13.6	55.6	330	41	15.3		Th.storm	2
25.7	15.8	6.9	10.0	30	1008.9	190	8	3	40		27.2	12.2	7.5	64.2	290	28	0		Fair	3
28.0	16.5	6.3	9.6	25	1006.1	210	5	4	40		30.2	10.4	11.1	67.9	180	11	0		"	4
26.1	16.1	7.4	10.3	31	1002.8	120	14	5	20		28.0	15.1	14.3	67.8	090	22	0		Cloudy	5
24.2	17.8	13.3	15.3	50	1003.1	120	12	0	40		26.1	15.7	14.5	49.2	110	33	7.6		Th.storm	6
28.7	20.1	16.7	19.0	49	1009.1	220	6	1	30		30.1	17.2	12.8	67.7	220	20	0		Fair	7
32.7	18.1	5.6	9.4	18	1006.4	290	4	0	40		34.2	15.6	14.3	74.4	150	16	0		P.Cloudy	8
33.1	18.8	7.3	10.3	20	1002.6	270	6	7	15		34.6	21.4	18.2	65.4	310	14	0		Haze	9
24.1	20.5	18.4	21.3	71	1004.0	210	20	7	10		33.1	20.9	17.7	67.1	000	41	3.3		Th.storm	10
19.8	18.2	17.2	19.7	85	1006.0	040	16	6	8		27.9	14.0	12.2	47.9	300	44	29.1		"	11
28.1	20.0	14.8	16.9	44	1008.0	320	8	2	50		28.5	15.3	12.7	64.0	320	19	0.5		Fair	12
29.4	19.5	12.8	14.8	36	1006.3	300	16	1	10		31.5	17.1	14.6	77.5	320	27	0		"	13
32.0	19.7	11.1	13.2	28	1004.2	300	14	0	30		35.0	15.9	17.5	72.5	320	33	0		Haze	14
35.2	21.5	12.7	14.7	25	1004.8	320	11	8	20		38.1	17.9	17.1	75.5	310	20	0		P.Cloudy	15
32.4	18.8	8.1	10.8	22	1005.4	180	16	8	15		38.8	23.5	21.7	75.5	190	28	0		"	16
33.5	17.8	3.3	7.8	15	1005.7	310	25	0	3		37.5	22.6	17.8	74.2	320	36	9.8		Th.storm	17
32.4	17.7	4.5	8.5	17	1004.3	290	15	0	20		34.8	15.4	17.4	69.6	310	23	0		Haze	18
34.3	18.4	4.5	8.5	16	1003.6	310	14	0	40		36.5	18.6	17.4	71.0		19	0		Clear	19
36.2	20.0	7.5	10.4	17	1002.9	–	0	1	50		37.5	19.1	18.4	77.4	360	17	0		Fair	20
38.2	20.0	5.1	8.9	13	1001.8	280	10	0	30		40.2	22.6	22.4	73.4	330	24	0		"	21
35.0	17.5	-0.2	6.0	11	1003.0	300	10	2	20		38.2	21.6	21.1	72.3	300	21	0		Clear	22
38.1	18.9	0.7	6.5	10	1002.0	310	11	0	35		39.6	20.1	19.0	74.3	300	19	0		"	23
39.8	19.7	1.6	6.9	9	1001.4	220	8	0	35		41.6	18.4	18.7	74.9	020	18	0		"	24
36.0	17.4	-2.5	5.0	9	1003.1	280	16	0	3		39.8	24.6	24.3	73.6	300	37	0		Sandst.	25
38.0	19.5	3.7	8.9	12	1001.6	310	17	0	10		40.9	25.3	21.6	75.1	310	30	0		Haze	26
40.0	19.8	1.7	7.0	9	999.8	240	7	2	12		42.4	22.7	21.9	76.7	270	20	0		"	27
34.8	21.5	13.1	15.1	27	998.9	150	25	0	6		43.0	28.3	27.3	71.7	010	53	0		Sandst.	28
33.8	24.0	19.0	22.0	42	1000.9	–	0	4	10		37.4	27.7	26.5	68.9	300	32	0		Haze	29
34.6	18.5	4.4	8.4	15	1003.7	320	11	0	30		35.8	23.0	21.8	71.6	290	22	0		Fair	30
37.7	18.6	0.1	6.2	10	1003.1	320	12	0	40		38.6	21.7	21.0	79.0	320	24	0		Clear	31
31.8	18.9	8.2	11.7	29	1004.3	–	12	2	24											

CODE FOR REMARKS (Continued)

Sandst.: Sandstorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

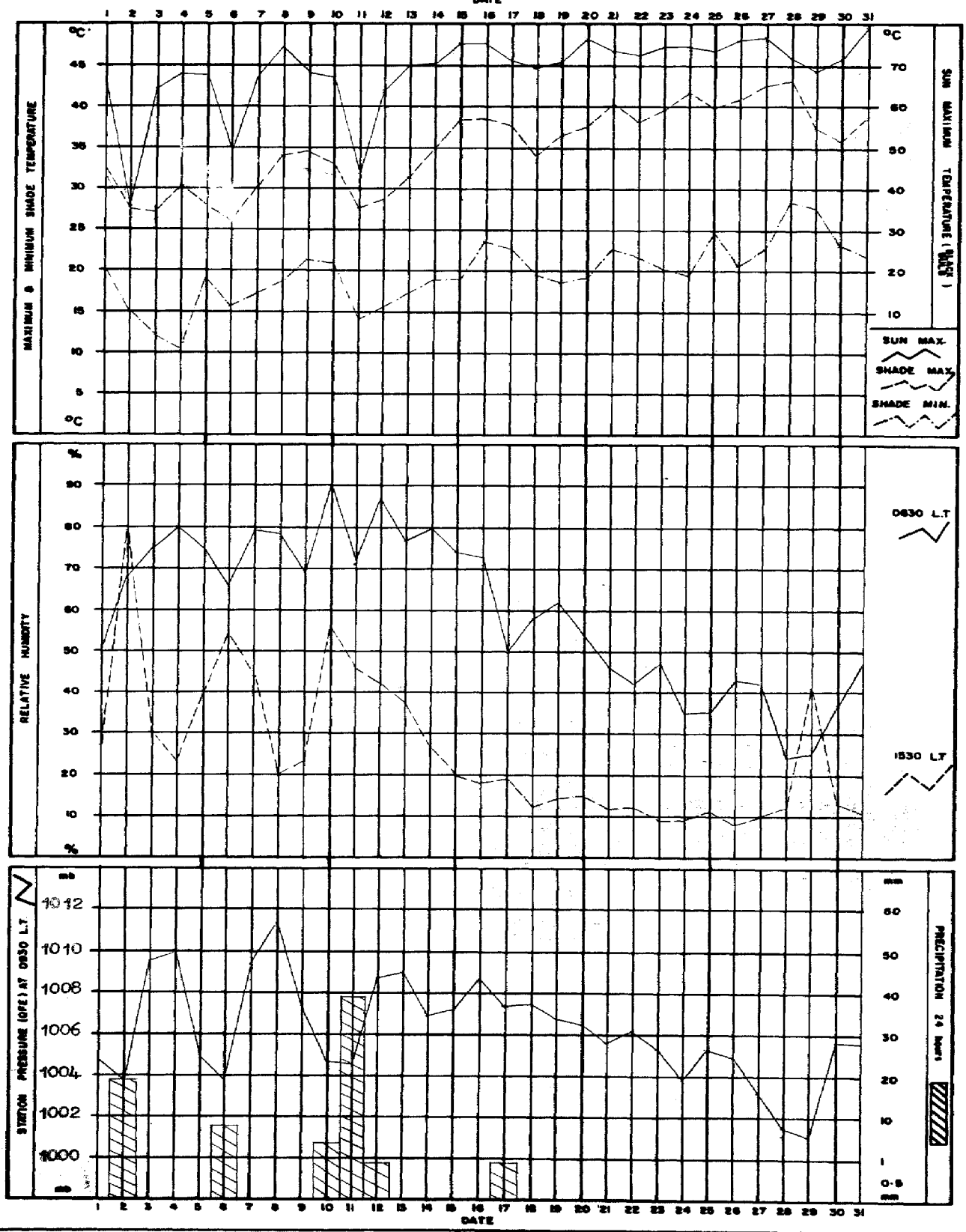
Snow: Snowfall

Rainsh.: Rain falling as showers

Hail: Solid precipitation

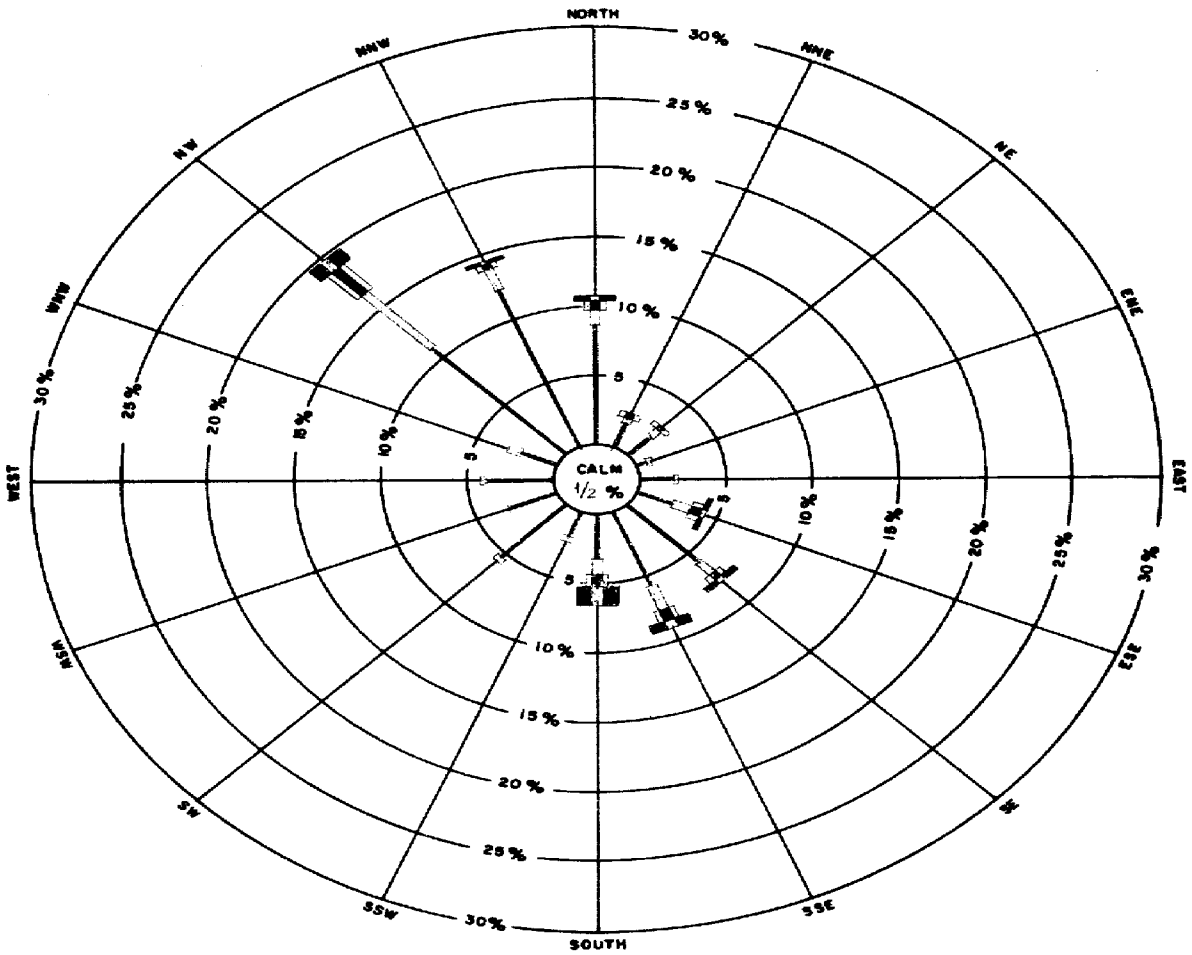
Th.storm: Thunderstorm at or near the station

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Agha Jari	
		Lat: 30°44' N.	Long: 49°40' E



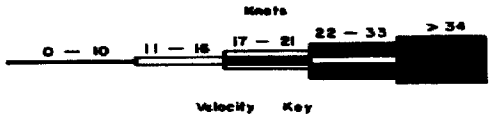
Met. Form 4

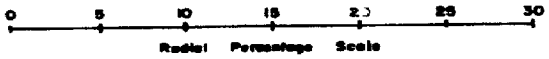
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: May	Year: [illegible]
	Compiled from Wind Records Summary	Station: [illegible]	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: [illegible] N.	Long: [illegible] E



Hours in month 744

Hours recorded 722





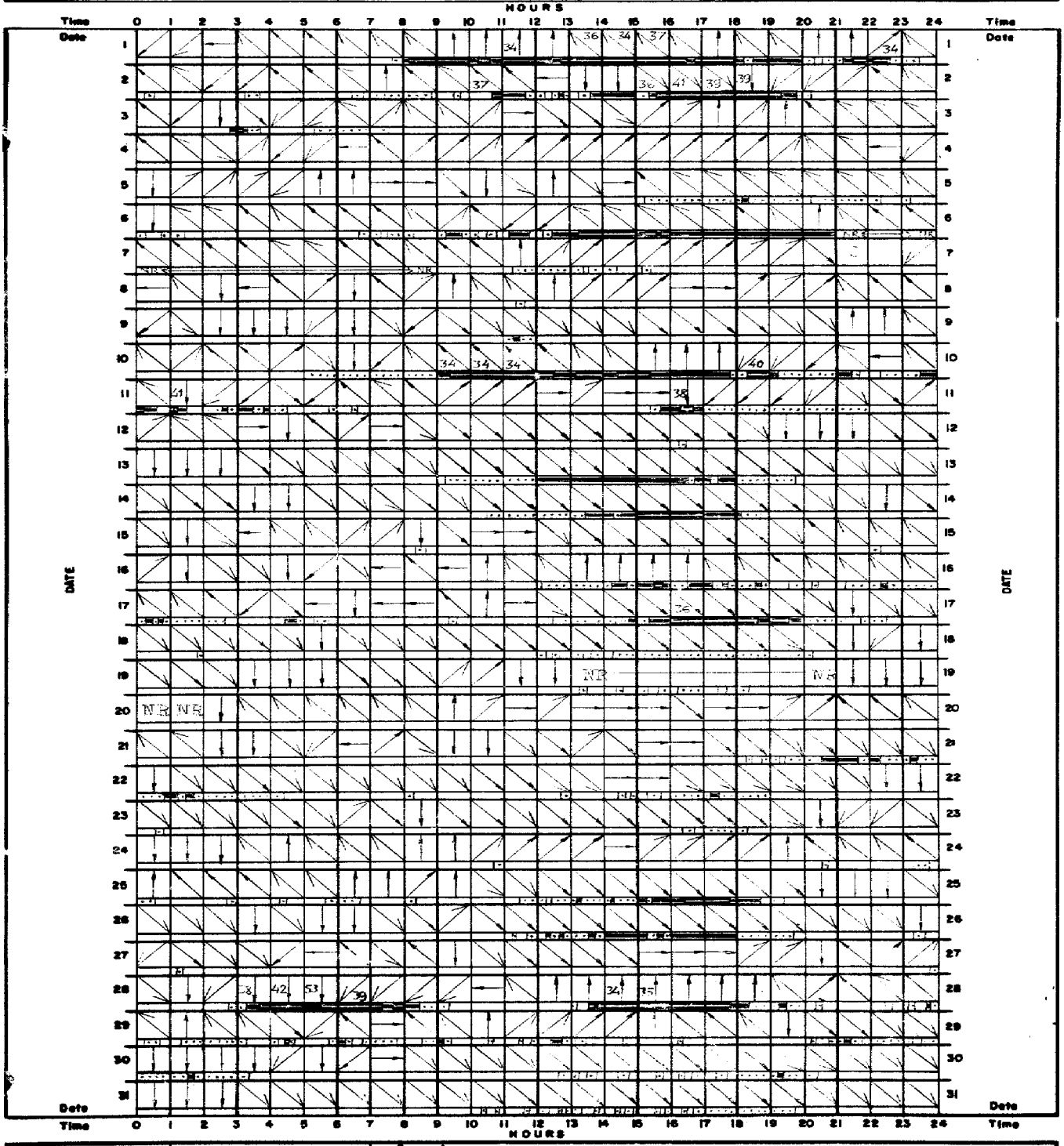
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

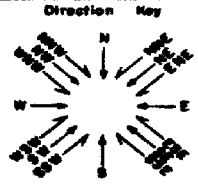
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: [illegible]	Year: [illegible]
	DINES ANEMOGRAPH	Station: [illegible]	
Ground Level: [illegible] A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: [illegible] N.	Long: [illegible] E



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: May Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	19.0	14.1	9.8	12.1	55	926.3	150	10	4	20	26.1	16.6	8.7	11.3	34	926.0	180	8	6	16	1
2	15.0	14.2	13.6	15.6	92	925.6	190	8	7	5	21.4	17.8	15.3	17.4	68	925.2	130	6	7	14	2
3	11.4	11.4	11.4	13.5	100	927.[illegible]	040	2	0	12	20.3	13.0	5.6	9.1	38	928.9	240	10	3	20	3
4	11.4	10.4	8.8	11.8	88	929.8	–	0	0	30	23.5	13.1	1.3	6.8	24	929.6	280	10	2	30	4
5	15.5	12.5	9.8	12.1	69	924.8	–	0	6	25	21.8	14.6	8.1	10.8	41	926.1	270	8	8	25	5
6	16.0	12.5	9.3	11.7	65	923.5	150	12	1	30	22.2	14.8	8.3	10.9	41	925.2	180	8	8	20	6
7	14.6	13.9	13.3	15.3	91	929.0	150	6	6	15	23.0	18.0	14.6	16.6	59	930.6	180	14	6	20	7
8	11.5	10.7	10.0	12.3	91	931.8	–	0	4	30	25.9	14.0	0.7	6.5	19	931.1	100	8	1	30	8
9	14.6	13.0	11.6	13.7	82	928.5	–	0	6	25	28.5	16.0	4.0	8.2	21	928.3	120	8	6	25	9
10	20.0	15.2	11.3	13.4	57	926.2	240	6	8	15	17.0	15.0	13.4	15.4	77	928.6	120	10	8	15	10
11	14.3	12.7	11.3	13.4	82	926.0	200	6	7	30	21.8	15.3	9.9	12.2	47	925.8	300	15	4	30	11
12	11.2	11.0	10.8	13.0	98	927.0	–	0	0	25	21.7	15.8	11.1	13.2	51	928.6	270	15	3	30	12
13	13.6	13.0	12.5	14.5	93	928.2	–	0	0	20	24.0	15.7	8.6	11.2	37	928.1	270	14	1	30	13
14	15.0	13.8	12.8	14.8	87	927.4	–	0	0	14	25.8	16.7	9.4	11.8	36	927.6	300	6	1	20	14
15	17.5	15.0	13.1	15.1	75	928.0	–	0	0	20	30.7	17.0	4.4	8.4	19	928.4	250	14	1	20	15
16	20.3	16.7	14.2	16.2	68	930.4	–	0	0	18	31.2	18.0	7.1	10.1	22	930.8	360	3	2	20	16
17	21.6	17.9	15.4	17.5	68	929.1	120	7	8	12	29.0	18.6	11.0	13.1	33	929.5	140	14	1	15	17
18	17.8	11.7	5.3	8.9	44	927.3	–	0	0	6	27.0	13.5	-3.3	4.7	13	926.9	330	8	0	6	18
19	15.4	12.3	9.4	11.8	68	926.5	–	0	0	20	29.0	16.0	3.4	7.8	19	927.0	300	10	0	20	19
20	18.0	13.0	8.3	11.0	53	927.1	–	0	0	20	31.0	17.4	5.3	9.0	20	927.5	–	0	2	20	20
21	21.0	15.6	11.3	13.4	54	926.7	–	0	5	20	32.9	19.3	9.1	11.5	23	927.0	180	4	7	20	21
22	18.5	15.1	12.4	14.6	68	926.1	–	0	0	25	32.2	22.4	17.0	19.3	40	926.5	300	6	0	25	22
23	17.5	13.5	10.0	12.3	61	925.6	–	0	0	30	32.5	23.0	17.9	20.5	42	926.8	270	10	0	30	23
24	19.8	16.4	14.0	15.9	69	926.7	–	0	0	30	36.0	27.0	23.2	28.5	48	926.9	–	0	0	30	24
25	21.4	18.0	15.7	17.9	70	926.9	–	0	0	20	34.0	18.7	5.9	9.3	17	927.5	270	14	0	10	25
26	19.7	12.5	5.0	8.7	38	926.8	–	0	0	4	33.8	16.0	-5.3	3.9	8	926.1	270	12	0	7	26
27	21.0	13.0	4.7	8.6	35	925.3	–	0	0	10	35.6	17.2	-2.7	4.9	8	925.5	300	14	0	12	27
28	22.3	14.6	7.7	10.5	39	926.2	–	0	3	10	34.6	18.0	2.6	7.3	13	925.3	060	7	2	10	28
29	24.0	14.5	5.3	8.9	30	925.1	–	0	4	10	33.0	17.5	3.1	7.7	15	925.1	140	5	7	30	29
30	20.8	17.4	15.1	17.2	70	927.3	140	12	8	15	28.0	18.9	12.6	14.6	39	927.4	140	10	7	20	30
[illegible]	17.8	15.0	12.8	14.9	73	926.7	–	0	0	30	30.0	17.5	7.0	10.0	24	926.9	280	7	0	30	[illegible]
Av.	17.4	13.9	10.8	13.2	69	927.1	–	2	3	19	27.9	17.2	7.7	11.3	32	927.4	–	9	3	21	Av.

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: May Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°50' E.

Observations at 1830											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	Height of 850 mb. AMSL at 1530 L.T.	Maximum Shade Temperature	Minimum Shade Temperature	Ground Minimum Temperature	Sun Maximum Temperature	Direction	Velocity			
°C	°C	°C	mb	%	mb	deg.	kt	/8	km	mb	°C	°C	°C	°C	deg.	kt	mm		
24.8	17.0	11.1	13.2	42	923.9	160	10	5	20	1383	28.0	18.4	17.0	69.0			Tr.	P.Cloudy	1
15.6	14.6	13.8	15.8	89	924.1	260	10	7	8		24.8	14.0	13.7	55.8			36.2	Th.storm	2
19.4	12.7	5.9	9.3	41	929.2	270	8	1	25	1410	22.1	10.5	9.7	59.2			0	Mist	3
22.0	13.5	4.9	8.7	33	926.9	270	13	5	30	1407	25.0	10.5	9.4	62.5			0	Fair	4
19.4	14.2	9.7	12.1	54	924.4	030	6	6	20	1388	24.8	14.8	14.4	58.0			Tr.	Rain	5
19.0	14.6	11.0	13.1	60	925.6	150	10	1	25	1385	24.0	12.4	14.0	56.3			10.5	Th.storm	6
21.0	16.3	12.8	14.8	59	930.9	140	8	1	20	1422	25.2	12.9	11.6	66.0			0.6	"	7
26.3	15.5	5.4	9.0	26	928.5	300	8	0	30	1421	29.7	10.8	9.5	62.2			0	P.Cloudy	8
27.5	16.5	7.0	10.0	27	926.1	260	10	8	25	1407	31.7	13.0	12.0	68.0			0	Cloudy	9
18.8	15.5	13.1	15.1	70	924.6	120	8	7	20		28.0	15.5	16.0	48.0			7.6	Rain	10
16.5	14.1	12.1	14.1	75	926.0	-	0	7	15	1379	23.0	9.3	11.8	60.0			38.6	Th.storm	11
21.7	15.5	10.4	12.7	49	927.8	300	12	1	35	1405	24.4	10.6	10.0	59.5			0	Fair	12
23.5	15.4	8.3	11.0	38	925.3	270	14	1	30	1400	26.4	12.3	11.0	60.0			0	"	13
27.0	16.8	8.3	11.0	31	925.8	270	12	0	20	1397	29.5	13.9	12.6	62.0			0	Clear	14
29.5	17.5	7.1	10.4	25	928.1	270	10	6	20	1410	33.0	15.7	14.4	66.0			0	P.cloudy	15
31.0	17.4	5.3	9.0	20	929.0	280	6	7	20	1434	34.0	18.5	17.4	67.5			0	"	16
29.0	16.8	6.1	9.4	23	927.2	300	14	1	12	1423	33.0	21.6	18.0	65.0			0.8	Th.storm	17
26.6	14.4	1.1	6.6	19	926.0	270	13	0	15	1403	29.6	16.8	14.5	63.4			0	Haze	18
28.0	15.2	2.1	7.1	15	925.7	260	14	0	20	1404	31.7	14.1	12.2	65.2			0	Clear	19
30.0	17.6	4.1	8.2	19	926.0	270	8	2	20	1410	33.7	16.1	14.0	64.0			0	Fair	20
31.1	19.7	11.8	13.9	31	925.0	250	12	0	20	1407	34.4	19.0	18.0	67.0			0	P.Cloudy	21
30.4	19.7	12.4	14.4	33	925.6	270	15	0	25	1405	33.4	17.6	16.6	66.2			0	Clear	22
33.0	24.0	19.4	22.6	45	924.8	260	12	0	30	1407	35.2	15.5	13.7	68.0			0	"	23
35.0	28.0	25.3	32.2	56	925.5	250	12	0	30	1410	38.4	17.7	16.2	70.0			0	"	24
32.0	16.6	1.1	6.6	14	925.2	270	14	0	8	1412	35.0	20.3	18.9	68.0			0	Haze	25
33.0	16.0	-3.5	4.6	9	923.8	280	15	0	6	1397	36.4	19.0	17.2	69.0			0	"	26
34.0	16.5	-3.1	4.8	9	924.9	270	10	0	12		37.4	19.4	17.2	70.0			0	"	27
34.0	17.4	1.1	6.6	12	923.4	150n	10	0	10	1400	37.7	21.1	19.2	71.0			0	"	28
30.0	21.4	16.3	18.6	44	923.6	270	10	3	6	1390	35.2	21.3	19.4	68.0			0	"	29
28.4	15.0	0.4	6.3	16	925.9	270	10	0	20	1405	30.5	18.5	16.0	63.5			13.5	Th.storm	30
31.5	15.8	-1.6	5.4	12	925.9	250	12	0	30	1405	33.0	15.2	14.0	66.0			0	Clear	31
26.7	16.8	7.7	11.5	35	926.0	-	11	2	20	1408									Av.

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

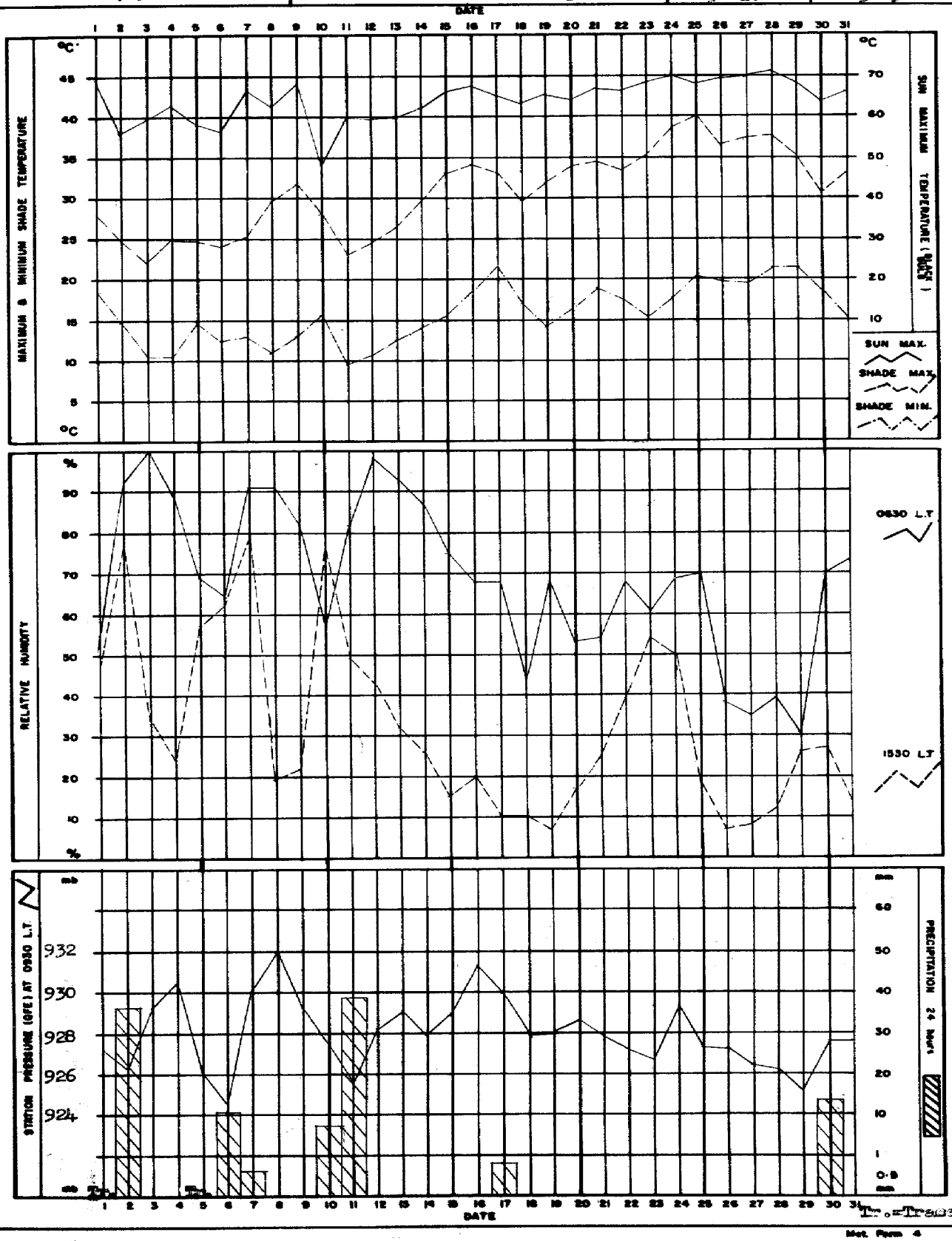
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30° 20' N.	Long: 50° 50' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: May Year: 1963

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	21.1*		14.8*	16.8*	67	1003.3*					32.3*		15.9*	18.0*	37	1003.9*					1
2	18.7	15.0	12.0	14.0	66	1003.2	090	7	2	25	22.0	15.2	9.4	11.8	45	1005.5	300	35	5	3	2
3	12.3*		9.6*	12.0*	84	1007.7*					23.3*		7.4*	10.3*	36	1010.4*					3
4	15.9*		8.4*	11.1*	61	1009.0*					29.5*		3.6*	7.9*	19	1010.0*					4
5	19.6	14.3	9.7	12.1	53	1004.2	270	6	8	25	23.6	15.8	9.3	15.0	40	1005.8	180	12	8	20	5
6	17.8	15.6	13.9	15.9	78	1002.5	120	10	8	20	19.0	16.9	15.4	17.6	80	1004.6	070	30	7	20	6
7	17.6	17.1	16.7	19.1	93	1008.2	080	4	0	10	28.6	20.8	16.1	18.3	47	1010.0	180	15	4	20	7
8	18.1	16.5	15.4	17.5	85	1010.0	320	5	1	15	31.5	20.5	13.3	15.3	32	1010.5	070	4	3	25	8
9	21.2	17.3	14.7	16.7	66	1007.4	–	0	8	20	31.7	20.8	13.9	15.8	34	1007.7	180	4	8	15	9
10	20.6*		19.3*	22.4*	92	1005.3*					25.8*		20.3*	23.9*	72	1003.5*					10
11	16.0	15.0	14.2	16.2	90	1004.2	090	12	4	15	24.2	18.0	13.7	15.7	52	1006.4	180	7	2	40	11
12	16.6*		15.1*	17.2*	91	1008.0*					26.6*					1008.6*					12
13	18.7	18.0	17.5	20.0	93	1009.1	320	7	0	20	28.3	20.3	15.3	17.4	45	1009.1	270	12	3	30	13
14	18.6	17.3	16.4	18.7	87	1006.8	300	4	0	30	31.3	19.8	11.9	13.9	30	1007.6	300	14	0	30	14
15	20.4	19.0	18.1	20.8	86	1005.9	260	2	4	20	34.2	21.8	14.2	16.2	31	1006.9	–	0	7	30	15
16	22.8	18.6	15.9	18.1	65	1008.2	060	5	3	15	35.0	22.2	14.4	16.5	30	1007.3	110	20	2	15	16
17	23.5*		17.1*	19.6*	64	1007.2*					33.0*		13.5*	15.6*	31	1008.8*					17
18	19.2	15.1	11.9	13.9	62	1007.4	290	10	0	30	31.0	17.5	5.8	9.2	20	1007.1	280	14	0	20	18
19	18.7	16.8	15.6	17.8	82	1006.1	–	0	0	25	33.2	17.8	3.9	8.1	15	1006.7	270	10	0	30	19
20	20.0	16.9	14.7	16.9	72	1004.3	200	5	0	20	35.1	18.4	3.3	7.9	14	1006.2	–	0	2	30	20
21	22.2	17.7	14.6	16.7	62	1005.1	–	0	6	25	37.0	18.6	1.3	6.7	10	1005.2	360	20	0	8	21
22	21.5	15.7	11.1	13.2	51	1005.7	270	10	0	25	34.3	17.2	-0.3	6.0	10	1005.6	290	10	0	30	22
23	20.0	15.3	11.7	13.6	59	1004.5	–	0	0	30	35.6	21.0	11.1	13.2	23	1005.3	–	0	0	30	23
24	22.5*		14.6*	16.6*	61	1003.9*					39.7*		8.2*	10.9*	15	1004.2*					24
25	24.2	19.8	17.2	19.6	65	1002.6	260	10	0	15	36.3	19.3	5.0	8.8	14	1003.8	270	22	0	3	25
26	21.6	15.1	9.6	11.9	46	1005.5	290	6	0	15	37.0	19.1	3.3	7.6	12	1005.1	320	4	0	8	26
27	23.2	18.3	14.8	16.7	60	1002.9	270	4	0	15	39.2	20.7	6.4	9.6	14	1002.8	180	2	3	20	27
28	30.2	21.1	15.6	17.8	41	1002.1	130	4	6	5	39.8	22.0	9.9	12.2	17	1001.0	–	0	0	10	28
29	27.4	22.3	19.6	22.9	63	1002.1	–	0	7	7	34.6	21.3	12.7	14.7	26	1003.1	280	12	7	8	29
30	22.0	16.7	12.8	14.8	56	1005.3	–	0	1	25	32.7	19.3	9.2	11.7	23	1006.4	280	10	0	30	30
31	24.8*		20.4*	24.1*	77	1007.5*					35.8*		13.8*	15.9*	27	1005.8*					31
Av.	20.5*		14.6*	16.9*	70	1005.7*					31.7*		9.7*	12.6*	29	1006.3*					Av.

* Values obtained from recording instruments.

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: May Year: 1965

Station: Kut Abdullah

Ground Level: 15 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31° 13' N Long: 48° 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 (0°F)	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		
26.7	19.9	15.6	17.8	50	1000.0	160	20	6	20		33.2	20.3	19.6	73.0			0	P.Cloudy	1
16.7	13.8	11.4	13.6	71	1004.6	360	12	1	40		26.7	15.5	16.3				3.0	Rainsh.	2
25.7	16.1	7.8	10.6	32	1009.2	300	4	2	35		27.1	11.3	10.3	66.7			0	Fair	3
29.3	16.0	2.8	7.6	18	1005.8	100	10	7	30		31.0	14.3	12.2	72.9			0	P.Cloudy	4
26.0	16.2	7.8	10.6	31	1003.4	090	14	4	20		29.4	18.8	17.2	48.3			0	Cloudy	5
23.1	19.6	17.5	20.0	71	1003.5	120	18	2	20		25.0	16.1	14.8	62.8			4.1	Th.storm	6
29.5	20.5	14.8	16.9	42	1009.0	100	8	1	25		31.1	16.2	14.7	72.2			0	Mist	7
32.6	19.4	9.4	11.8	24	1007.0	070	6	3	25		33.9	17.5	15.1	74.4			0	Fair	8
32.4	20.0	11.4	13.0	27	1004.4	–	0	7	10		34.1	20.7	18.9	72.9			0	Haze	9
17.1	16.6	16.2	18.5	94	1003.3	100	8	7	20		32.2	16.2	18.9	70.9			49.5	Th.storm	10
19.3	18.8	18.5	21.3	95	1006.3	110	14	3	20		26.1	14.5	14.5	67.8			33.0	"	11
24.3	20.6	18.3	21.2	71	1008.1	300	12	0	20		28.2	15.7	14.5	68.0			0	Clear	12
28.0	19.4	13.7	15.7	41	1007.0	300	18	0	15		31.1	18.0	16.7	68.9			0	Fair	13
30.7	20.2	13.3	15.3	35	1005.3	270	12	0	20		33.3	18.3	16.3	71.6			0	Clear	14
31.6	21.0	12.0	13.9	25	1005.1	–	0	4	20		36.1	18.7	17.0	77.2			0	P.Cloudy	15
31.3	20.0	12.3	14.3	31	1005.3	150	15	7	30		36.7	22.0	17.2	76.7			0	"	16
30.5	16.7	3.2	7.7	17	1007.6	280	20	0	6		35.7	22.7	20.2	74.5			0	Haze	17
30.7	17.8	7.0	9.9	23	1005.4	270	14	0	20		32.8	18.0	15.3	71.1			0	Clear	18
33.2	17.5	2.8	7.5	15	1004.1	260	4	0	30		35.0	17.5	14.7	72.8			0	"	19
35.1	18.2	2.6	7.4	13	1003.7	170	4	1	30		36.7	18.9	15.3	80.0			0	Fair	20
34.7	18.8	3.6	7.9	14	1003.1	300	15	0	12		37.8	21.3	18.2	75.6			0	Haze	21
33.1	17.6	3.3	7.7	15	1003.8	270	16	2	12		35.6	19.9	17.0	74.6			0	Clear	22
35.8	20.6	10.0	12.2	21	1002.9	–	0	0	30		38.0	17.8	14.8	75.1			0	"	23
39.1	21.1	7.9	11.7	16	1002.3	160	5	3	30		41.6	20.3	15.1	79.2			0	Fair	24
33.4	17.5	2.3	7.2	13	1004.1	290	18	0	20		38.9	24.0	23.0	76.1			0	Sandst.	25
37.0	19.2	3.8	8.0	13	1002.6	270	4	0	20		39.8	20.1	18.0	76.7			0	Haze	26
40.0	20.3	3.8	8.0	12	1000.1	–	0	0	12		41.7	22.3	20.0	79.4			0	Fair	27
35.7	20.7	10.2	12.4	21	998.4	180	20	8	7		41.4	27.5	25.5	78.3			0	Haze	28
33.2	18.7	7.0	10.0	29	1002.0	280	12	3	15		36.1	27.0	25.6	68.9			0	"	29
32.2	19.0	9.0	11.5	24	1005.0	290	10	0	30		34.4	19.1	16.5	66.7			0	Clear	30
36.1	20.1	8.0	10.7	18	1003.9	270	10	0	30		37.8	22.0	20.9	75.6			0	"	31
30.5	18.7	9.2	12.3	33	1004.7	–	10	2	22										Av.

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: May	Year: 1963
		Station: Kut Abdullah	
Ground Level: 15 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°43' N.	Long: 48°45' E

Met. Form 4

IRANIAN OIL OPERATING COMPANIES	MONTHLY WEATHER REPORT	Month: May	Year: 1963
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Abadan	Lat: 30°22' N Long: 48°13' 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	23.3*		19.4*	22.1*	75	1004.7*					39.7*		17.7*	20.3*	36	1003.2*					1
2	20.7*		15.3*	17.4*	71	1004.7*					24.4	16.7	10.6	12.8	44	1005.9	320	24	4	7	2
3	15.7*		12.4*	14.1*	79	1009.8*					26.7*		15.1*	17.2*	49	1010.9*					3
4	18.2*		14.4*	16.5*	79	1011.3*					30.1*		10.1*	12.4*	29	1010.5*					4
5	21.1	16.7	13.6	15.4	62	1005.8	270	8	8	10	23.9*		15.1*	17.2*	58	1006.3	160	14	8	10	5
6	21.1	20.3	19.9	23.2	93	1003.1	–	0	8	8	26.1	21.5	19.0	22.0	65	1004.3	280	4	5	12	6
7	18.9	17.2	16.1	18.3	84	1009.5	–	0	0	15	30.0	20.6	14.9	16.7	39	1011.1	160	6	1	15	7
8	19.6	18.6	18.0	20.7	90	1011.4	–	0	0	20	32.2	22.2	16.6	18.8	39	1011.0	100	4	4	15	8
9	25.6	19.4	15.6	17.7	54	1008.9	230	20	8	2	31.9	23.1	18.3	21.1	45	1008.7	150	6	4	8	9
10	19.7*		18.6*	21.4*	93	1006.6*					26.2*		17.0*	19.4*	57	1005.4*					10
11	17.8	16.7	15.9	18.1	89	1006.3	–	0	2	20	25.5*		12.0*	14.0*	43	1007.0	180	10	2	20	11
12	18.8*		17.0*	19.4*	89	1008.5*					30.0*		11.5*	13.6*	32	1010.3*					12
13	20.7	18.4	17.1	19.5	80	1010.4	–	0	0	10	30.2	20.0	13.2	15.2	35	1010.7	300	4	2	15	13
14	22.8	19.8	18.1	20.7	74	1008.6	240	8	0	25	33.1	20.1	10.9	13.0	26	1009.6	320	14	0	25	14
15	21.7	19.3	17.9	20.6	79	1007.3	–	0	1	15	34.4	21.2	12.7	14.6	27	1008.7	090	2	3	15	15
16	25.0	19.3	15.8	18.0	57	1009.0	300	8	5	8	33.3	23.1	17.4	20.0	40	1008.9	070	12	7	10	16
17	24.0*		20.1*	23.5*	79	1009.1*					34.0*		9.9*	12.2*	23	1010.8*					17
18	22.1	18.3	15.6	18.0	68	1010.0	270	8	0	25	30.0	20.0	13.4	15.4	36	1009.8	320	14	0	25	18
19	21.8	20.1	19.2	22.4	86	1008.3	–	0	0	20	32.2	20.7	13.3	15.3	32	1008.5	310	12	0	20	19
20	21.6	18.6	16.9	19.2	74	1006.6	230	4	0	20	34.6	20.2	11.3	13.4	23	1007.5	–	0	4	20	20
21	23.7	18.4	14.9	17.0	58	1006.8	–	0	0	10	36.1		10.9*	13.0*	22	1006.9	330	4	0	15	21
22	25.0	16.9	10.7	12.8	40	1008.2	330	8	0	20	33.9	23.3	17.7	20.3	39	1009.0	300	15	0	15	22
23	22.2	20.6	19.7	22.9	85	1006.4	–	0	0	20	36.1	20.0	7.7	10.5	18	1007.4	340	4	0	25	23
24	24.4*		20.3*	23.8*	80	1005.3*	–				39.6*		11.5*	13.6*	14	1007.2*					24
25	28.0	19.4	13.7	15.7	41	1005.7	300	10	0	8	35.6	18.1	1.3	6.7	12	1008.0	280	20	0	5	25
26	23.2	19.1	16.4	18.7	65	1007.7	–	0	0	20	37.2	19.4	4.4	8.4	13	1007.0	310	7	0	10	26
27	24.6	19.0	15.4	17.5	57	1004.2	–	0	0	10	40.4	23.2	12.5	14.5	19	1003.7	210	6	3	6	27
28	28.4	19.4	13.4	15.4	40	1003.1	070	20	4	2	40.0	24.4	16.0	18.2	25	1002.2	110	8	0	4	28
29	27.9	21.1	17.2	19.2	52	1003.5	280	6	5	2	34.7	20.6	10.7	12.9	23	1004.5	300	10	6	2	29
30	23.3	18.6	15.6	17.7	62	1006.9	160	4	2	15	32.2	20.0	11.5	13.6	28	1008.3	300	6	1	20	30
31	23.6*		16.7*	19.0*	65	1007.6*					34.1*		14.5*	16.5*	29	1007.8*					31
Av.	25.6*		16.5*	18.9*	71	1007.6*					31.2*		12.5*	14.5*	32	1007.5*					Av.

* Values obtained from recording instruments.

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: May Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30° 22' N Long: 48° 43' 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		
25.1	22.2	20.2	23.7	70	1001.9	190	6	3	10		34.8	22.7					Tr.	Rainsh.	1
18.3	15.4	13.3	15.3	73	1006.2	330	4	1	20		26.7	19.5					2.0	Rain	2
24.4	18.3	14.2	16.2	53	1009.5	140	4	5	30		27.8	12.8					0	Partly cldy	3
26.7	16.7	8.3	11.0	31	1006.8	150	6	7	15		31.7	17.2					0	Cloudy	4
25.6*		12.8*	14.8*	45*	1003.9*	110	18	4	12		27.1	20.8					Tr.	Rainsh.	5
27.2	20.6	16.7	18.9	52	1003.8	–	0	5	15		27.8	19.4					1.2	Rain	6
29.4	21.1	16.2	18.5	45	1009.8	150	6	3	15		32.2	18.3					0	Fair	7
30.8	22.8	18.4	21.3	48	1008.2	250	2	2	15		35.0	19.6					0	Haze	8
31.7*		18.5*	21.5*	45*	1005.5*						33.9	24.4					0	Sandst.	9
26.4*		21.1*	25.1*	73*	1002.7*						27.4	19.4					39.0	Th.storm	10
24.4	19.1	15.7	17.8	59	1006.7*	090	4	4	15		28.9	16.2*					9.0	Rainsh.	11
28.9	18.8	11.8	13.8	35	1009.2	330	4	2	20		31.1	17.6*					0	Fair	12
30.6	18.3	8.6	11.2	25	1009.3	330	12	2	15		32.8	20.[illegible]					0	Mist	13
32.2	18.9	8.6	11.2	23	1007.7	320	6	0	20		35.6	19.8					0	Clear	14
35.2	21.1	11.8	13.8	24	1005.9	130	10	4	15		38.4*	21.0					0	Fair	15
30.6	21.2	15.6	17.8	40	1006.7	160	4	4	15		35.0	23.4					0	Haze	16
31.7	19.4	10.4	12.6	27	1006.5	310	16	0	20		35.0	24.0					0	"	17
30.3	20.6	14.4	16.4	38	1008.0	270	8	0	25		32.2	22.0					0	Clear	18
34.1	22.4	15.7	17.6	33	1006.3	310	8	0	20		34.1	21.1					0	"	19
35.6	21.1	11.9	13.9	25	1005.2	–	0	1	25		36.8	20.0					0	Fair	20
35.1	22.8	15.8	18.0	32	1004.7	310	13	0	15		38.4	23.3					0	Haze	21
33.1*		8.6*	11.2*	23*	1004.6*	290	24	0	12		34.8	23.4					0	Clear	22
37.2	19.7	5.4	9.0	14	1005.0	310	5	0	20		38.9	21.1					0	"	23
37.2	19.7	5.4	9.0	14	1002.2	160	15	4	15		41.1	22.5					0	Partly cldy	24
34.0	21.8	13.7	15.8	30	1006.3	300	10	0	15		37.2	27.8					0	Haze	25
37.2	20.0	6.4	9.6	15	1004.8	300	4	0	15		39.7	22.5					0	"	26
38.1	22.5	12.9	14.8	23	1002.5	190	7	3	8		42.9*	23.9					0	"	27
33.9	21.7	14.2	16.2	31	1000.0	170	4	5	8		41.1	27.8					0	"	28
32.3	18.2	6.6	9.7	20	1004.0	310	10	0	10		35.8	27.8					0	"	29
31.9	20.6	13.1	15.1	32	1007.0	220	6	0	20		33.9	21.7					0	Fair	30
34.7	21.7	13.4	15.5	29	1006.5	300	14	0	20		37.2	22.2					0	Clear	31
31.1	20.2	12.9	15.1	36	1005.8	–	8	2	16										Avg.

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

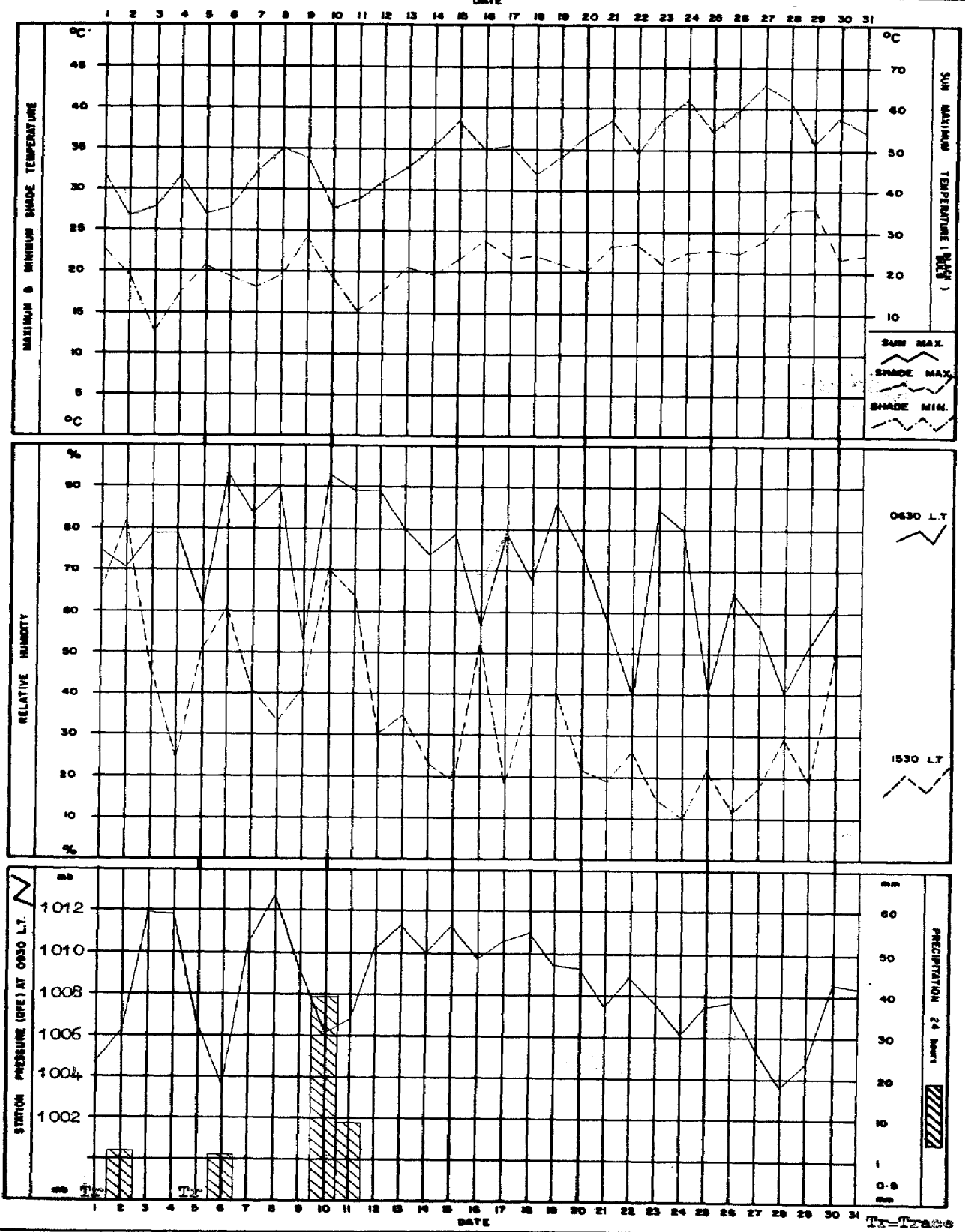
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1955
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Station: Abadan	
		Lat: 30° 22' N.	Long: 49° 42' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: May Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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	22.0	19.0	17.2	19.6	74	1005.0	180	6	0	25	27.4	22.7	20.3	23.9	66	1005.5	180	24	8	20	1
2	20.4	18.4	17.1	19.5	82	1004.1	050	6	7	20	23.4	19.2	16.6	18.9	66	1005.1	120	10	8	20	2
3	15.6	13.3	11.3	13.4	75	1010.2	010	4	0	25	24.0	17.4	12.6	14.6	49	1011.7	300	4	1	30	3
4	17.8	16.0	14.7	16.7	81	1011.3	030	4	0	25	26.4	19.2	14.5	16.5	48	1011.5	180	3	5	25	4
5	20.9	18.4	16.8	19.2	78	1005.3	300	10	8	30	24.6	19.5	16.3	18.6	60	1007.0	250	6	8	17	5
6	20.2	18.2	17.0	19.3	82	1003.6	150	8	6	20	19.5	18.0	17.0	19.4	86	1006.0	070	25	7	20	6
7	21.2	20.8	20.6	24.2	96	1009.7	110	6	7	10	26.8	22.3	19.9	23.3	66	1011.8	220	5	4	25	7
8	20.4	17.5	15.6	17.7	74	1011.3	360	5	6	20	31.5	21.3	15.1	17.3	37	1011.6	–	0	5	30	8
9	22.2	19.0	17.1	19.4	73	1009.1	050	4	8	2.5	29.0	21.0	16.3	18.5	46	1009.3	170	3	8	3	9
10	20.6	19.2	18.4	21.2	88	1007.7	350	6	8	10	24.8	21.0	18.9	21.9	70	1006.1	150	18	6	15	10
11	17.4	16.8	16.4	18.6	93	1006.1	090	13	3	15	26.6	20.2	16.3	18.5	53	1007.4	180	6	1	30	11
12	18.2	17.0	16.2	18.4	89	1009.3	–	0	0	30	26.6	20.2	16.3	18.5	53	1010.8	290	5	2	30	12
13	21.3	17.8	15.4	17.6	69	1010.1	310	6	0	30	28.7	21.5	17.4	19.9	51	1010.8	330	8	1	40	13
14	21.6	19.0	17.4	19.9	77	1008.2	350	5	0	30	31.0	20.8	14.4	16.4	37	1008.9	320	11	0	40	14
15	23.3	21.3	20.2	23.7	83	1007.6	300	4	0	20	33.6	21.8	14.7	16.7	32	1008.3	–	0	1	25	15
16	24.6	22.0	20.7	24.4	79	1010.7	–	0	6	12	33.2	23.2	17.8	20.4	40	1009.6	180	12	6	20	16
17	24.2	19.6	16.8	19.1	63	1008.2	040	8	5	20	34.2	22.2	15.1	17.2	32	1009.2	320	8	0	20	17
18	21.0	17.4	14.9	17.0	69	1009.4	310	7	0	20	30.2	18.5	9.5	12.0	28	1008.8	310	16	0	20	18
19	21.5	17.7	15.2	17.2	67	1007.6	320	8	0	20	32.8	19.3	9.1	11.6	23	1007.9	300	8	0	25	19
20	21.5	19.0	17.5	20.0	78	1006.4	290	2	0	20	34.2	19.0	6.7	9.8	18	1007.8	190	6	6	25	20
21	23.6	19.2	16.5	18.8	64	1006.6	–	0	1	20	35.3	22.6	15.2	17.3	30	1006.5	180	2	0	30	21
22	22.0	17.3	14.1	16.0	60	1007.5	340	7	0	25	33.9	18.4	5.1	8.8	17	1007.2	330	18	0	20	22
23	20.6	16.9	14.3	16.3	67	1006.1	–	0	0	25	34.4	21.4	13.1	15.1	28	1006.8	300	9	0	30	23
24	26.0	18.0	12.6	14.6	45	1005.1	270	3	0	30	34.4	23.4	17.5	20.0	37	1006.2	210	3	0	30	24
25	25.7	21.5	19.2	22.3	68	1005.5	290	8	0	3	34.8	20.8	11.2	13.3	24	1006.9	340	17	0	2	25
26	23.0	18.7	16.0	18.1	65	1006.3	320	8	0	15	37.2	21.0	9.5	11.9	19	1006.5	310	8	0	15	26
27	25.0	21.3	19.3	22.3	71	1003.9	330	5	0	20	38.4	22.0	11.2	13.3	20	1004.4	270	4	2	16	27
28	28.2	19.6	13.9	15.9	42	1005.3	030	18	7	6	35.2	26.6	22.9	28.0	49	1002.8	180	20	0	15	28
29	28.0	23.2	20.8	24.6	65	1003.3	–	0	0	6	33.4	25.4	21.8	26.1	51	1004.1	180	2	5	17	29
30	24.0	17.4	12.6	14.6	49	1007.0	030	6	3	15	33.8	20.8	12.2	14.2	27	1007.6	350	6	2	25	30
31	24.2	18.0	13.7	15.7	52	1007.1	350	5	0	25	35.4	20.1	8.8	11.3	20	1006.8	330	12	0	30	31
AV.	22.1	18.7	16.4	18.9	71	1007.2	–	5	2	19	30.7	20.9	14.9	17.2	41	1007.8	–	9	2	23	AV.

* Values obtained from recording instruments.

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: May Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30° 30' N Long: 49° 12' 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		
25.4	22.7	21.4	25.4	79	1002.5	180	15	8	20		29.0	21.6	21.1		170	35	0	Cloudy	1
16.5	14.4	12.7	14.7	79	1006.0	010	8	8	50		25.5	16.2	20.1		330	48	7.5	Th.storm	2
24.5	17.5	12.4	14.4	47	1010.7	180	2	4	30		27.1	13.5	13.0		320	28	0	Fair	3
27.0	17.6	10.4	12.6	35	1007.7	180	3	5	25		30.1	17.2	16.2		180	19	0	P.Cloudy	4
24.0	18.2	14.3	16.3	55	1004.2	130	3	7	30		27.0	20.4	20.1		070	22	0	O-cast	5
22.8	18.1	14.9	17.0	74	1005.0	160	8	0	20		24.3	18.2	19.4		050	37	0.6	Th.storm	6
28.4	20.8	16.2	18.5	48	1010.8	–	0	1	25		28.0	20.7	20.5		190	21	0	Mist	7
28.0	22.0	18.7	21.6	58	1008.4	200	6	1	30		31.9	20.0	19.7	67.8	100	15	0	P.Cloudy	8
31.0	20.0	12.6	14.5	33	1006.0	250	4	8	7		33.0	21.9	21.8	66.5	210	18	0	Haze	9
23.8	21.7	20.7	24.3	83	1004.2	170	17	6	15		31.0	20.0	20.0		250	36	7.1	Th.storm	10
21.0	19.4	18.4	21.3	86	1007.8	070	15	4	30		26.7	16.0	15.5		220	29	33.2	"	11
27.2	19.2	13.9	15.9	44	1009.6	030	4	2	30		28.4	17.2	16.3		360	14	0	Fair	12
28.0	19.9	14.7	16.7	44	1008.3	340	6	0	8		30.5	20.2	19.8		340	26	0	Haze	13
31.2	19.2	10.4	12.7	28	1006.9	310	8	0	17		33.2	21.0	19.4	66.0	350	26	0	Clear	14
30.0	24.0	21.1	25.0	59	1005.9	180	5	8	25		35.0	21.7	21.4	73.0	350	24	0	P.Cloudy	15
28.6	22.6	19.5	22.6	58	1006.8	170	12	8	20		33.2	23.6	23.4	70.5	160	24	0	Haze	16
31.6	18.3	7.5	10.4	22	1008.4	350	24	x	2.5		35.2	24.1	23.3	68.8	340	37	Tr.	Rain	17
30.8	18.8	9.8	12.1	27	1007.0	340	14	0	20		32.5	20.4	19.7	64.5	320	30	0	Clear	18
33.2	19.5	9.3	11.7	23	1005.9	310	8	0	25		34.7	20.2	19.7	69.4	330	21	0	"	19
33.2	21.6	14.5	16.5	33	1005.1	270	5	0	20		36.5	20.2	19.9	75.2	220	16	0	Fair	20
34.5	22.0	14.4	16.4	30	1004.0	310	5	0	20		37.1	22.7	22.1		340	30	0	Clear	21
32.5	20.0	11.3	13.4	27	1005.5	310	10	0	12		35.5	21.1	20.5		330	25	0	Haze	22
34.4*		0.8*	6.5*	12*	1004.2*	310*	5*				37.5	19.7	19.4		340	19	0	Clear	23
32.3	24.7	21.1	25.0	52	1003.4	230	5	1	30		36.4	20.3		71.2	230	20	0	"	24
31.2	19.2	10.4	12.7	28	1005.7	320	12	0	15		35.7	25.5	25.4	69.7	340	34	0	Haze	25
33.8*		14.2*	16.2*	31*	1004.0*	310*	7*				38.2	22.5	22.0	72.0	360	24	0	Clear	26
34.0	27.2	24.4	30.7	58	1001.9	180	3	2	16		39.6	23.0		73.2	310	30	0	Fair	27
29.8	24.8	22.5	27.3	65	1000.3	180	13	3	15		38.8	25.8	25.5	71.0	010	50	0	Haze	28
32.8	20.8	13.0	14.9	30	1002.9	350	6	7	8		35.2	26.4	26.0	68.6	310	27	Tr.	Rain	29
32.2	21.2	14.4	16.4	34	1006.2	320	8	0	30		34.9	21.7	21.4	68.7	340	27	0	Fair	30
35.6	21.0	11.1	13.2	23	1005.3	320	6	0	30		37.2	22.4	21.9	70.7	320	24	0	Clear	31
29.3	19.2	14.6	17.3	45	1005.6	–	8	3	20										

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

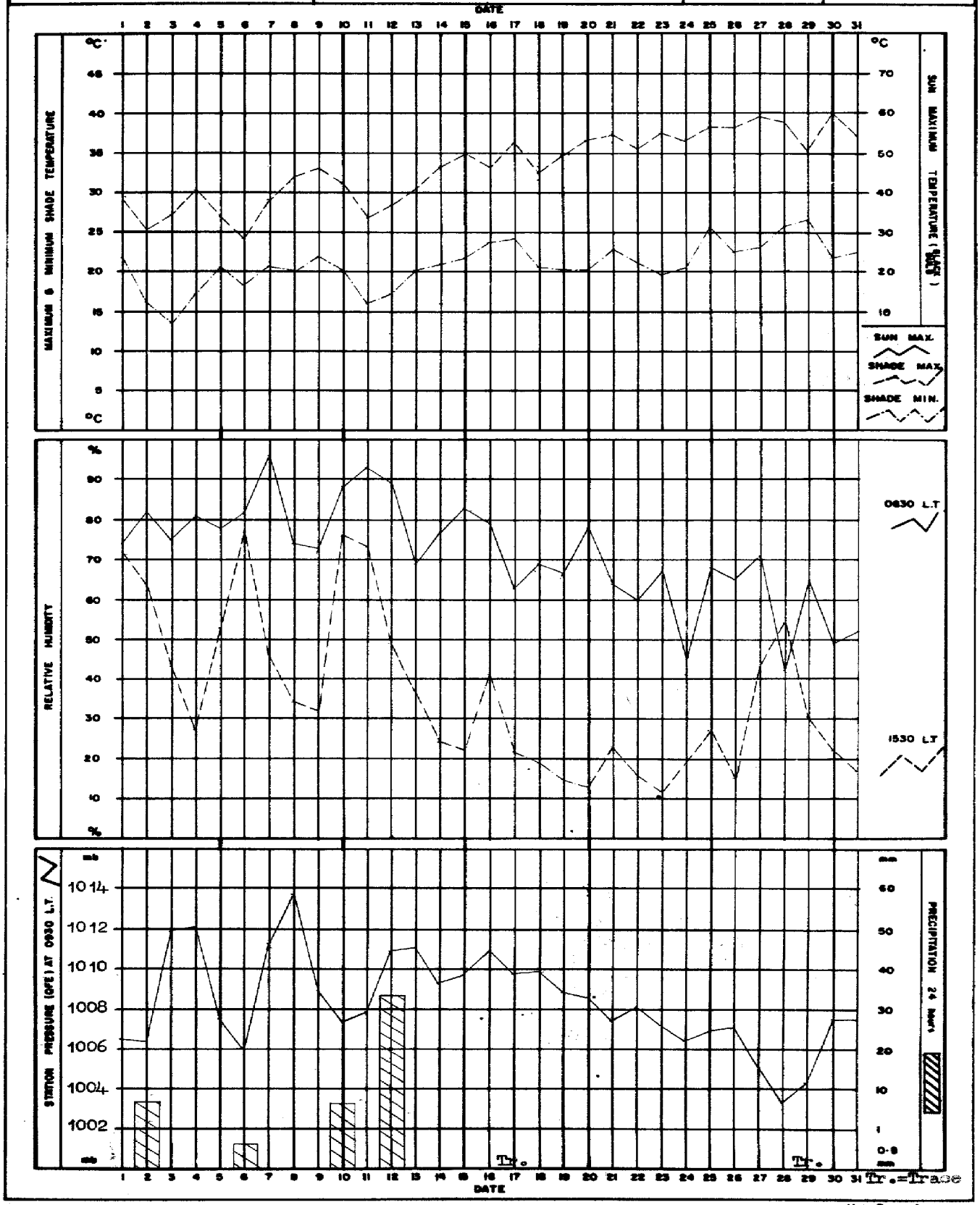
Raingh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

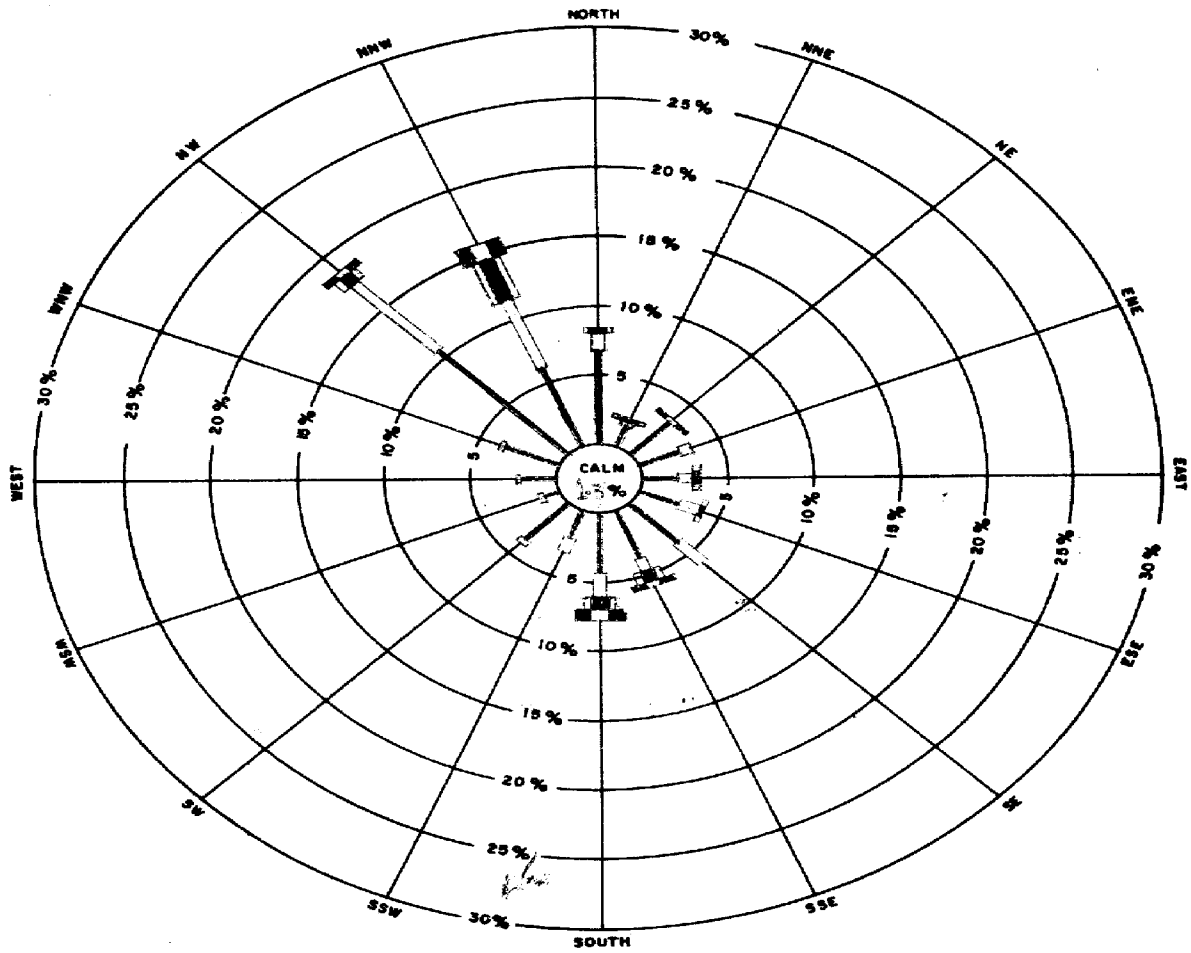
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' N.	Long: 49°12' E



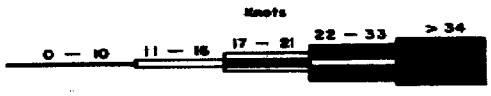
Met. Form 4

IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: [illegible]	Year: [illegible]
	Compiled from Wind Records Summary	Station: [illegible]	
Ground Level: [illegible] A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: [illegible] N.	Long: [illegible] E

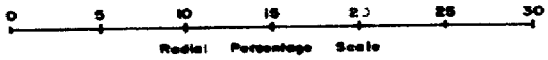


Hours in month 744

Hours recorded 744



Velocity Key



Radial Percentage Scale

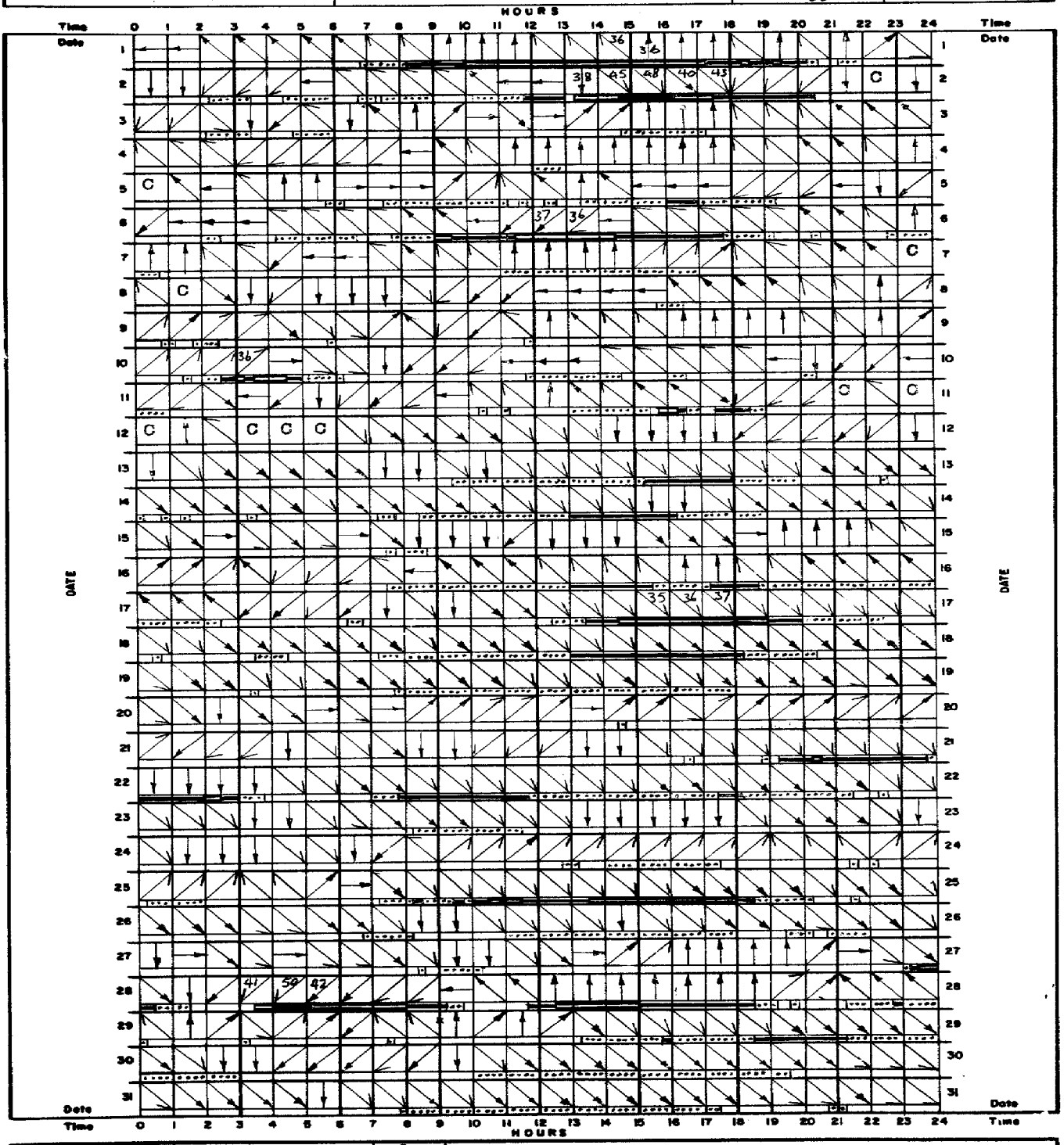
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

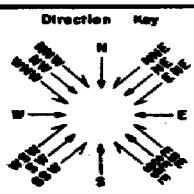
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: May	Year: 1963
	DINES ANEMOGRAPH	Station: Bandar Mahshar	
Ground Level: 8 ft. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



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:

Met Form 6

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: May Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29°16' 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	22.6	20.4	19.2	22.3	81	1005.8	180	3	0	15	26.0	23.0	21.6	25.7	77	1006.4	180	18	6	20	1
2	24.2	23.0	22.4	27.1	90	1003.5	150	10	8	15	27.4	24.0	22.4	27.1	75	1003.4	180	16	1	12	2
3	19.2	17.0	15.4	17.6	80	1009.5	090	5	0	15	23.8	18.4	14.7	16.8	57	1011.3	360	10	1	25	3
4	18.0	16.4	15.3	17.4	85	1010.6	–	0	1	20	26.4	19.4	14.8	16.9	49	1011.1	280	6	3	25	4
5	23.4	18.4	15.1	17.2	60	1004.5	120	4	7	25	22.4	19.6	17.9	20.6	76	1007.7	320	8	8	15	5
6	22.6	18.4	15.7	17.8	65	1003.7	100	12	0	20	25.6	22.6	21.1	25.1	76	1005.0	180	18	6	20	6
7	23.2	22.2	21.7	26.0	91	1009.2	–	0	3	20	27.6	23.6	21.7	26.0	70	1011.4	200	4	1	20	7
8	21.2	20.8	20.6	24.3	96	1011.0	–	0	4	20	28.2	21.6	17.9	20.6	54	1011.3	020	2	1	20	8
9	24.0	21.8	20.7	24.4	82	1008.9	320	8	1	20	28.6	21.2	16.9	19.3	49	1009.0	340	5	8	12	9
10	24.6	21.0	19.0	22.0	71	1006.3	330	10	8	15	23.6	20.0	17.9	20.5	70	1007.1	100	18	8	20	10
11	20.0	16.4	13.7	15.8	68	1007.0	360	12	7	30	26.6	19.4	14.7	16.8	48	1007.1	100	4	0	25	11
12	20.0	18.0	16.7	19.0	81	1007.7	–	0	0	20	26.8	21.4	18.4	21.2	60	1010.6	320	12	1	25	12
13	24.0	20.6	18.7	21.6	72	1009.1	320	10	0	25	27.6	22.6	20.1	23.5	63	1010.4	350	12	0	20	13
14	24.2	21.6	20.2	23.7	78	1007.9	340	8	0	20	27.6	22.0	18.9	21.9	59	1008.2	330	15	0	25	14
15	24.6	22.4	21.3	25.3	82	1006.9	360	2	0	20	29.0	24.4	22.3	26.9	75	1008.4	340	10	0	20	15
16	25.0	24.0	23.6	29.1	92	1009.4	100	4	0	10	29.0	25.0	23.2	28.5	71	1010.1	150	8	1	15	16
17	28.0	23.8	21.8	26.2	69	1007.5	180	5	8	20	29.8	25.2	23.2	28.4	67	1008.2	360	5	8	20	17
18	25.0	19.0	15.1	17.2	54	1008.4	350	15	0	15	28.0	20.2	15.3	17.4	46	1008.7	300	18	0	15	18
19	25.0	20.2	17.4	19.9	63	1007.2	360	10	0	20	28.2	22.8	20.1	23.4	61	1008.3	300	10	0	20	19
20	22.8	21.2	20.3	23.9	86	1006.5	–	0	0	20	31.0	22.0	16.9	19.3	43	1007.5	290	10	2	20	20
21	24.2	23.6	23.3	28.7	95	1005.7	–	0	0	20	29.0	24.0	21.6	25.8	64	1006.4	100	4	0	20	21
22	26.4	21.0	17.9	20.6	60	1006.1	340	15	0	25	29.4	21.8	17.5	20.0	49	1006.8	340	15	0	25	22
23	25.4	21.0	18.6	21.4	66	1005.0	360	8	0	20	31.2	21.4	15.5	17.6	38	1006.6	350	8	0	20	23
24	22.8	21.4	20.7	24.4	87	1004.9	–	0	0	20	32.4	23.0	17.9	20.6	42	1005.8	270	8	0	20	24
25	25.2	23.6	22.8	27.9	87	1005.5	200	4	8	20	30.0	23.2	19.7	23.0	54	1007.0	300	12	0	4	25
26	25.2	22.0	20.3	23.9	74	1005.9	360	3	0	15	30.4	21.8	16.9	19.3	44	1005.3	300	11	0	20	26
27	26.0	23.4	22.1	26.7	79	1003.2	360	2	0	15	34.6	22.8	16.1	18.3	33	1004.0	360	4	0	15	27
28	25.0	23.2	22.3	27.0	86	1004.5	–	0	0	15	33.0	23.0	17.6	20.1	40	1004.1	190	10	0	15	28
29	27.2	23.0	20.9	24.8	69	1002.8	–	0	0	20	31.4	25.0	22.1	26.6	58	1003.5	140	4	0	15	29
30	26.2	20.8	17.6	20.2	59	1005.5	070	12	8	15	29.0	24.0	21.6	25.8	64	1006.6	350	11	6	15	30
31	26.4	22.0	19.7	23.0	67	1006.3	320	8	0	30	30.6	22.6	18.3	21.1	48	1007.1	320	8	0	25	31
Av.	23.7	21.0	19.4	22.8	77	1006.7	–	5	2	20	28.5	22.3	18.9	22.1	58	1007.5	–	10	2	19	Av.

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: May Year: 1963

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										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		
25.0	22.2	20.8	24.5	77	1002.7	180	20	7	5		27.7	20.5	17.5	64.4	180	28	0	Haze	1
19.0	15.2	12.2	14.2	66	1004.7	340	30	6	10		28.0	18.0	21.4	62.0	360	51	5.8	Th.storm	2
23.6	18.0	14.1	16.1	55	1010.7	360	7	1	25		25.5	16.5	16.2	61.8	350	12	0	Fair	3
25.2	18.0	13.0	15.0	47	1008.1	340	8	6	25		28.5	17.5	13.5	64.0	330	10	0	P.Cloudy	4
25.0	19.6	16.3	18.5	58	1003.7	050	5	5	25		26.2	20.0	17.4	57.0	350	22	0.1	Rain	5
25.2	23.0	21.9	26.4	82	1005.2	200	4	1	20		27.6	22.0	20.4	63.0	190	24	0	P.Cloudy	6
26.4	23.6	22.3	27.0	79	1010.5	320	5	0	20		28.8	22.4	19.8	64.0	250	12	0	Fair	7
26.0	22.2	20.2	23.7	70	1008.7	280	2	0	20		30.2	19.8	17.0	61.0	300	9	0	P.Cloudy	8
27.4	21.0	17.3	19.8	54	1005.9	340	3	4	15		29.6	20.8	18.0	65.8	030	12	0	"	9
23.6	21.4	20.2	23.7	81	1004.9	100	10	0	25		27.4	22.6	20.4	58.0	350	51	0.6	Rain	10
24.8	20.2	17.5	20.0	64	1006.2	300	3	1	20		27.6	18.4	17.4	64.0	010	54	1.2	"	11
24.4	19.6	16.7	19.0	62	1009.8	–	0	0	20		27.0	19.5	16.8	63.8	350	10	0	Clear	12
26.2	22.0	19.8	23.1	68	1008.2	280	12	0	25		28.4	20.6	19.4	62.0				"	13
28.4	21.0	16.7	19.0	49	1006.4	320	10	0	25		29.8	23.6	22.5	63.0	340	20	0	"	14
27.0	24.0	22.6	27.5	77	1007.4	220	4	7	20		32.4	23.4	20.8	64.4	160	8	0	Fair	15
27.4	24.0	22.4	27.2	74	1007.9	120	6	8	20		30.0	23.8	21.5	63.2	150	12	0	Mist	16
30.0	22.0	17.2	19.6	46	1007.0	320	18	0	10		32.2	26.4	25.2	64.4	360	25	0	Haze	17
27.0	21.0	17.6	20.1	56	1007.0	270	12	0	20		30.2	24.5	22.2	64.0	360	34	0	"	18
28.0	21.0	16.9	19.3	51	1005.9	270	10	0	25		30.6	24.0	22.2	64.0	340	18	0	Clear	19
27.0	22.4	20.1	23.4	65	1005.4	330	6	1	20		32.6	20.2	16.4	68.0	320	9	0	Fair	20
31.0	21.0	14.8	16.9	38	1004.2	330	5	0	25		33.6	22.8	20.0	66.0			0	Clear	21
29.6	19.6	12.8	14.8	36	1005.0	320	10	0	25		31.4	25.0	22.4	64.5	360	25	0	"	22
29.2	22.0	18.1	20.7	51	1004.3	300	10	0	25		32.0	25.0	23.0	64.6	330	20	0	"	23
28.6	24.6	22.8	27.8	71	1004.1	–	0	0	25		34.2	20.4	17.2	67.0	320	18	0	"	24
30.6	21.2	15.6	17.7	40	1005.0	300	15	0	3		33.4	24.6	22.8	64.0	310	26	0	Haze	25
31.4	21.4	15.4	17.5	38	1003.1	300	13	0	20		32.6	24.2	22.2	66.0	320	27	0	Clear	26
32.4	21.0	13.8	15.8	33	1002.3	270	4	0	20		36.2	25.0	22.5	70.2	270	14	0	"	27
28.8	24.0	21.7	26.1	66	1001.5	180	10	0	15		34.0	24.0	22.0	65.0	360	30	0	"	28
29.6	26.2	24.8	31.3	75	1002.4	–	0	1	15		33.9	24.6	23.0	64.2	270	14	0	Fair	29
28.6	22.0	18.4	21.2	54	1005.5	320	10	0	20		31.6	22.7	20.2	64.8	360	40	2.3	Th.storm	30
30.0	22.0	17.5	20.1	48	1005.2	270	15	0	25		32.6	25.4	23.0	64.4	310	18	0	Clear	31
27.3	20.8	18.1	21.2	63	1005.7	–	8	2	20										Av.

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

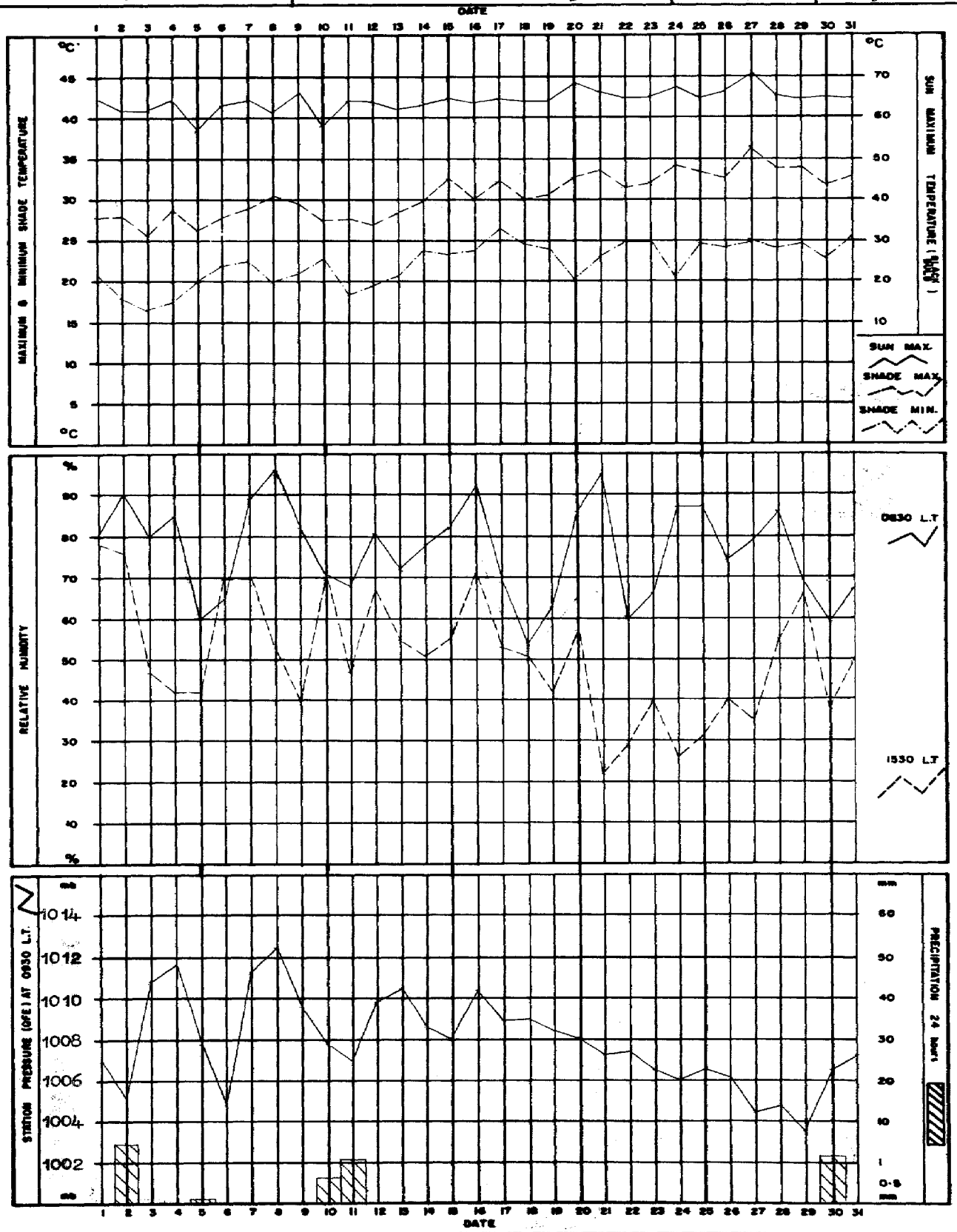
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

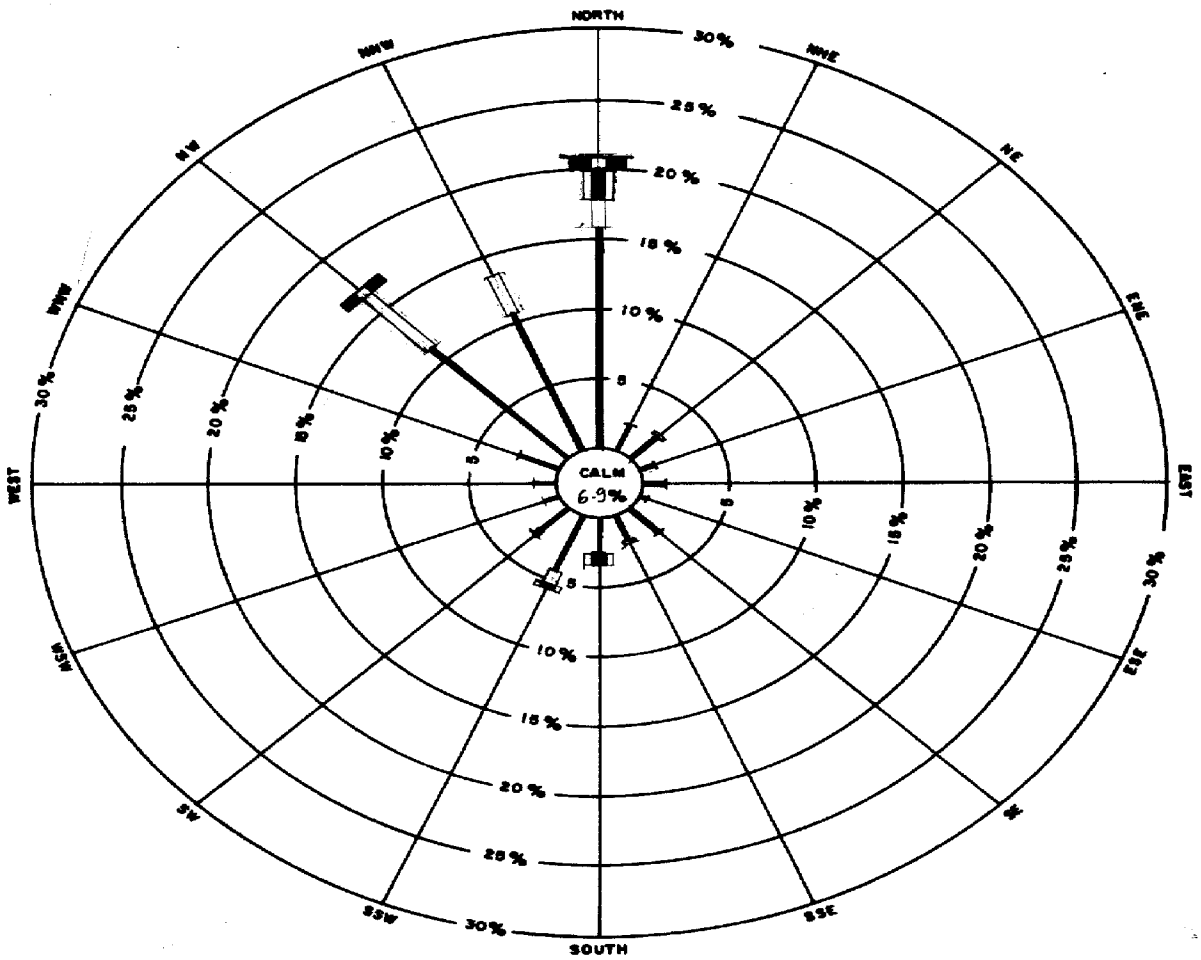
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
		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



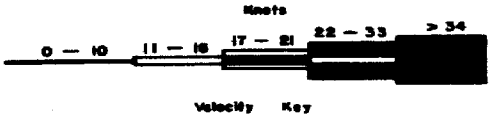
Met. Form 4

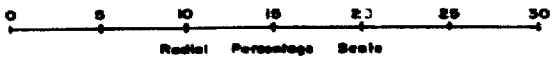
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: May	Year: 1963
	Compiled from Wind Records Summary	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29° 16' N.	Long: 50° 20' E



Hours in month 744

Hours recorded 721





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

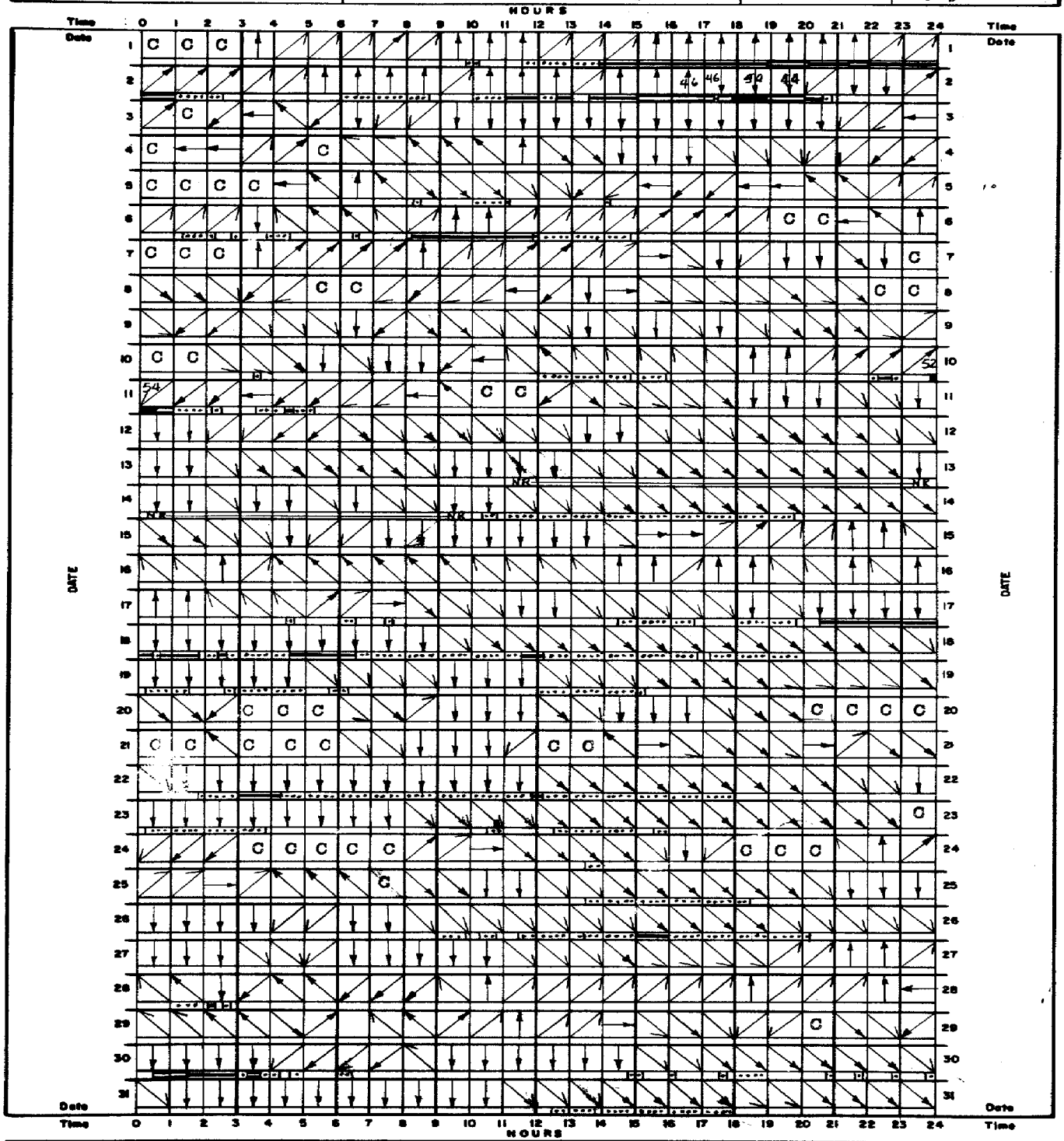
2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

33a

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: May	Year: 1963
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' 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	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: May Year: 1963

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	25.7	24.0	23.2	28.5	86	1008.2	110	1	0	15	28.3	23.4	21.0	24.9	65	1008.4	160	10	3	15	1
2	25.8	23.1	21.8	26.1	79	1006.9	100	12	8	20	27.1	23.4	21.6	25.8	72	1007.7	120	10	7	25	2
3	23.5	21.3	20.1	23.6	82	1010.1	010	11	7	30	26.0	21.8	19.6	22.2	67	1010.1	120	15	6	35	3
4	21.5	19.9	19.0	22.0	86	1010.9	150	6	6	25	26.9	20.7	17.1	19.4	55	1010.4	240	10	7	30	4
5	24.0	19.8	17.3	19.7	66	1007.4	160	1	[illegible]	30	26.7	19.2	14.2	16.2	46	1007.3	130	10	8	40	5
6	23.2	19.9	17.9	20.6	72	1005.5	090	6	7	40	26.0	21.9	19.8	23.0	68	1006.5	120	12	3	50	6
7	25.4	21.2	18.9	21.8	67	1011.1	120	4	0	30	27.2	22.1	19.5	22.6	62	1011.1	130	7	2	40	7
8	23.7	21.5	20.4	23.9	81	1011.2	250	8	8	25	30.2	21.6	16.6	18.9	44	1010.5	280	9	8	25	8
9	24.3	23.3	22.8	27.8	91	1007.7	270	6	0	25	28.0	23.9	22.0	26.4	70	1008.6	250	10	0	25	9
10	23.0	22.8	22.7	27.6	98	1005.3	–	0	5	20	27.3	24.1	22.6	27.5	75	1006.3	290	20	8	15	10
11	24.2	21.7	20.4	24.0	79	1006.3	350	10	1	30	27.9	22.9	20.4	23.9	63	1007.0	280	4	3	40	11
12	23.6	20.0	17.9	20.5	70	1007.0	290	9	0	20	28.8	22.2	18.7	21.5	54	1008.5	290	20	1	20	12
13	25.4	21.2	18.9	21.8	68	1007.5	280	16	0	30	29.0	22.2	18.5	21.3	53	1007.6	280	22	1	30	13
14	24.7	21.8	20.3	23.8	76	1005.9	290	12	0	15	28.1	23.5	21.3	25.3	66	1007.0	220	12	0	15	14
15	24.2	23.2	22.7	27.6	91	1008.6	290	1	0	15	29.5	24.9	23.3	28.6	73	1009.8	160	4	1	15	15
16	23.1	22.4	22.1	26.5	82	1009.6	–	0	0	30	29.2	25.1	23.3	28.6	70	1011.3	190	8	0	25	16
17	26.0	22.7	21.1	25.0	74	1009.6	270	4	4	30	29.9	25.3	23.3	28.6	68	1008.2	190	1	4	40	17
18	26.8	22.0	19.3	22.5	64	1004.8	290	16	2	10	32.8	20.1	11.2	13.3	27	1004.9	280	25	0	15	18
19	25.9	21.3	18.8	21.6	64	1006.2	310	10	0	15	31.3	21.9	16.3	18.5	41	1006.9	310	8	0	15	19
20	23.3	22.3	21.8	26.1	91	1006.9	280	2	1	20	28.8	24.1	21.9	26.3	67	1007.9	160	2	0	20	20
21	25.3	23.8	23.1	28.3	87	1006.7	140	1	0	20	28.7	24.4	22.4	27.1	68	1007.8	170	2	2	15	21
22	25.8	22.2	20.4	23.9	72	1004.4	310	8	0	25	32.8	21.1	13.7	15.7	32	1005.1	300	7	0	25	22
23	24.2	23.8	23.6	29.2	97	1004.7	290	1	0	15	28.6	25.3	23.9	29.6	76	1005.8	140	7	0	15	23
24	25.8	24.5	23.9	29.7	90	1005.9	110	10	5	15	28.0	25.7	24.7	31.2	83	1006.7	150	9	2	15	24
25	24.8	24.3	24.1	30.0	95	1006.8	270	10	7	15	29.4	24.9	22.9	27.9	68	1006.8	230	1	3	15	25
26	25.8	24.8	24.4	30.5	92	1004.2	150	2	0	10	28.3	25.5	24.3	30.4	79	1004.6	150	3	0	15	26
27	24.5	23.9	23.6	29.2	95	1004.6	170	4	0	15	28.2	23.9	21.9	26.2	69	1006.3	160	1	2	15	27
28	26.2	22.3	20.3	23.8	70	1004.2	–	0	1	30	31.3	26.2	24.1	29.9	65	1005.7	170	2	0	20	28
29	28.4	26.9	26.3	34.2	88	1004.5	230	1	6	15	31.4	26.9	25.1	31.8	69	1005.2	150	2	7	15	29
30	27.8	25.6	24.7	31.1	83	1003.1	300	4	6	25	33.1	24.8	20.9	24.7	49	1003.5	290	15	8	15	30
31	28.0	23.6	21.5	25.6	68	1004.3	280	14	2	15	33.3	22.7	16.8	19.1	37	1004.9	280	15	1	35	31
AV.	25.0	22.6	21.4	25.7	82	1006.8	–	6	2	22	29.6	23.4	20.4	24.4	61	1007.4	–	9	3	24	AV.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: May Year: 1963

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
		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		
25.4	22.4	20.9	24.7	76	1007.6	160	1	7	15	27.1	29.2	23.2	21.0	69.6	200	16	0	P.Cloudy	1
26.5	22.8	20.0	24.8	72	1006.4	300	10	8	20	26.1	28.7	25.0	24.1	67.0	150	30	Tr.	Th.storm	2
24.5	21.8	20.4	23.9	78	1010.8	150	2	7	30	25.9	27.2	22.9	21.4	67.2	120	30	1.0	Cloudy	3
24.9	18.6	14.3	16.4	52	1007.5	290	7	7	30	25.5	27.8	20.7	17.0	71.5	230	20	0	"	4
25.1	23.3	22.4	27.2	85	1005.5	140	9	7	35	25.1	27.7	19.9	16.8	63.1	230	39	0	O-cast	5
25.4	21.9	20.1	23.5	72	1005.2	110	11	4	35	25.7	27.2	19.8	18.5	70.0	120	23	7.9	Rainsh.	6
25.7	23.2	22.0	26.4	80	1010.4	180	2	1	35	25.5	28.8	21.7	18.6	66.5	100	17	0	Fair	7
27.7	23.2	20.9	24.8	67	1008.3	280	8	8	25	26.0	33.0	22.2	20.2	70.0	290	14	0	O-cast	8
25.8	23.6	23.2	27.4	70	1006.5	270	6	1	35	26.8	30.6	21.8	19.7	68.6	300	24	0	Clear	9
23.8	19.8	17.4	19.9	67	1005.1	010	9	4	25	26.4	29.1	21.2	18.8	59.6	290	32	2.3	Rainsh.	10
25.4	22.0	20.5	24.1	74	1006.1	280	12	1	30	26.3	29.4	20.7	18.5	66.8	290	25	0	Fair	11
25.8	20.3	17.1	19.4	58	1007.6	290	19	0	20	25.0	29.5	22.1		68.4	280	38	0	"	12
26.3	21.2	18.3	21.1	62	1005.8	280	20	0	20	25.8	30.7	22.6	19.4	68.2	280	39	0	Clear	13
26.4	22.3	20.2	23.7	69	1006.1	280	12	0	15	24.8	30.2	22.7	19.0	69.3	290	30	0	"	14
27.3	22.0	19.2	22.2	61	1009.2	190	1	0	20	26.8	29.1	21.5	17.9	67.8	150	9	0	"	15
27.9	23.7	21.7	25.9	69	1009.3	270	1	0	30	27.6	30.0	21.5	18.4	69.2	210	10	0	"	16
28.8	24.0	21.6	25.9	65	1006.7	270	1	4	35	27.2	32.6	22.8	19.1	69.6	270	18	Tr.	Rainsh.	17
26.0	21.4	18.9	21.8	65	1003.3	280	25	0	10	26.4	33.4	24.8	23.7	71.4	280	45	0	Haze	18
26.8	22.2	19.8	23.1	65	1006.3	310	5	0	20	26.9	32.2	23.2	21.4	70.6	290	22	0	Clear	19
27.2	22.7	20.4	24.0	66	1006.4	300	3	0	30	27.0	29.8	20.0	16.5	69.9	250	9	0	Fair	20
26.8	24.6	23.5	29.0	82	1004.6	170	1	0	20	27.1	29.2	21.3	18.6	69.6	140	14	0	Clear	21
26.8	24.6	23.6	29.2	83	1003.0	300	2	0	25	27.2	33.4	22.0	18.8	72.6	300	21	0	"	22
27.0	25.3	24.6	30.9	87	1004.9	130	1	0	15	28.0	29.3	21.4	17.5	67.2	160	9	0	"	23
27.8	24.7	23.3	28.6	76	1005.5	300	3	5	20	28.3	29.2	21.7	18.8	67.3	180	9	0	P.Cloudy	24
27.9	21.8	18.4	21.3	57	1004.5	280	8	1	25	28.1	32.2	20.9	17.8	67.9	290	17	0	"	25
27.6	24.7	23.4	28.8	78	1003.1	–	0	0	10	28.8	30.8	22.4	19.6	68.9	140	13	0	Fair	26
27.8	23.4	21.2	25.3	67	1004.6	160	1	1	15	28.1	30.6	21.6	19.0	68.0	140	17	0	"	27
30.4	25.1	22.7	27.6	63	1003.6	310	2	6	15	28.7	33.4	21.7	18.2	69.2			0	"	28
29.3	26.9	25.9	33.5	82	1003.3	160	1	8	15	29.2	33.1	25.4	22.2	72.2			0	Cloudy	29
30.8	23.8	20.4	23.9	54	1002.5	280	15	7	25	28.6	36.8	25.8	24.2	77.4	290	34	0	"	30
28.9	23.1	20.2	23.6	59	1003.9	280	14	0	20	28.9	34.6	26.1	24.6	71.0	290	29	0	Fair	31
26.9	22.4	20.8	24.9	69	1005.9	–	7	3	23										Av.

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

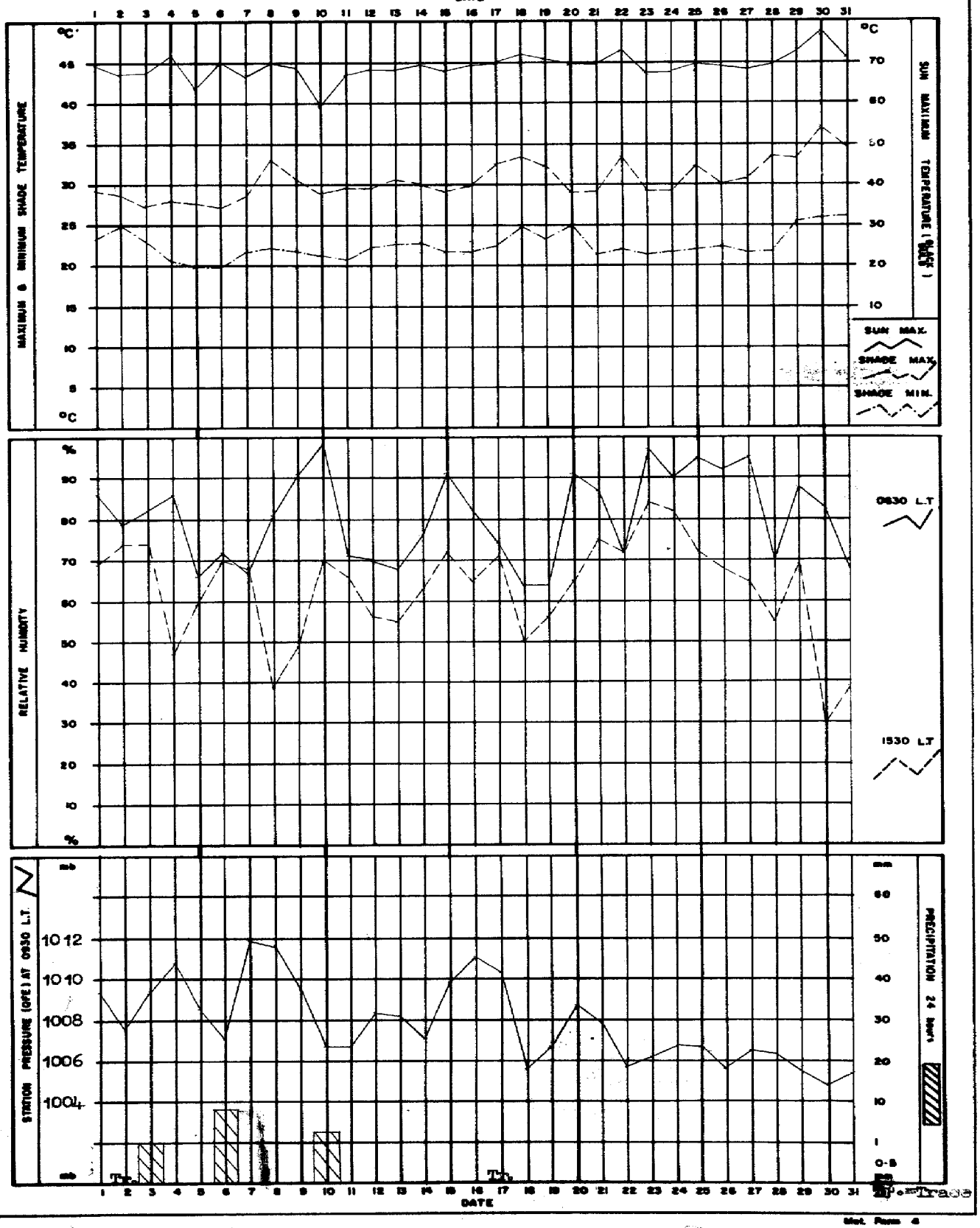
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

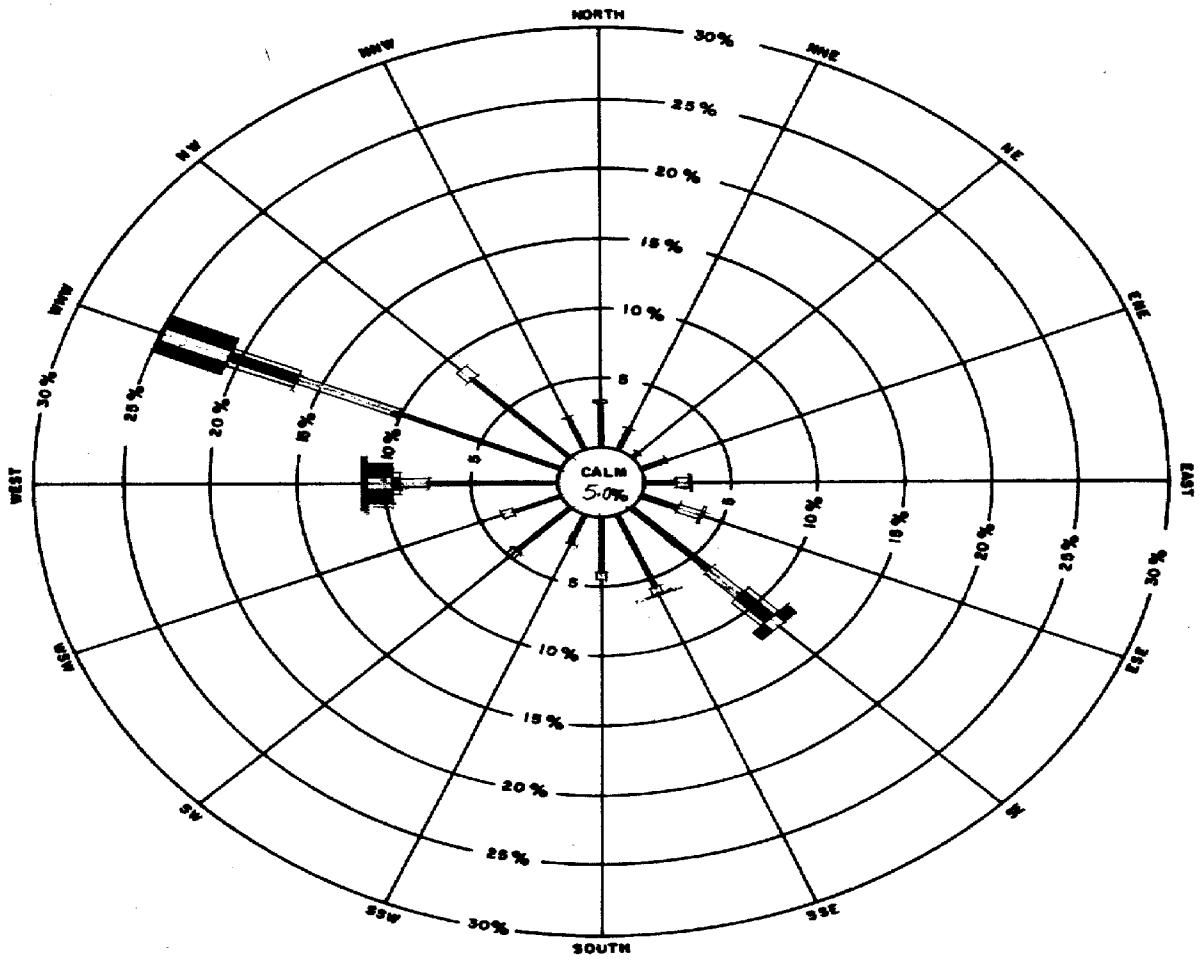
Met. Form 30

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: May	Year: 1963
		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



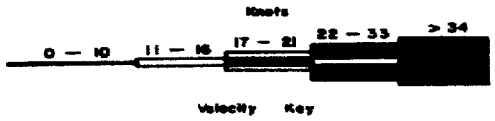
Met. Form 4

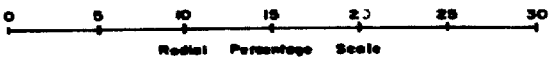
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: May	Year: 1963
	Compiled from Wind Records Summary	Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 26°48' N.	Long: 53°22' E



Hours in month 744

Hours recorded 729





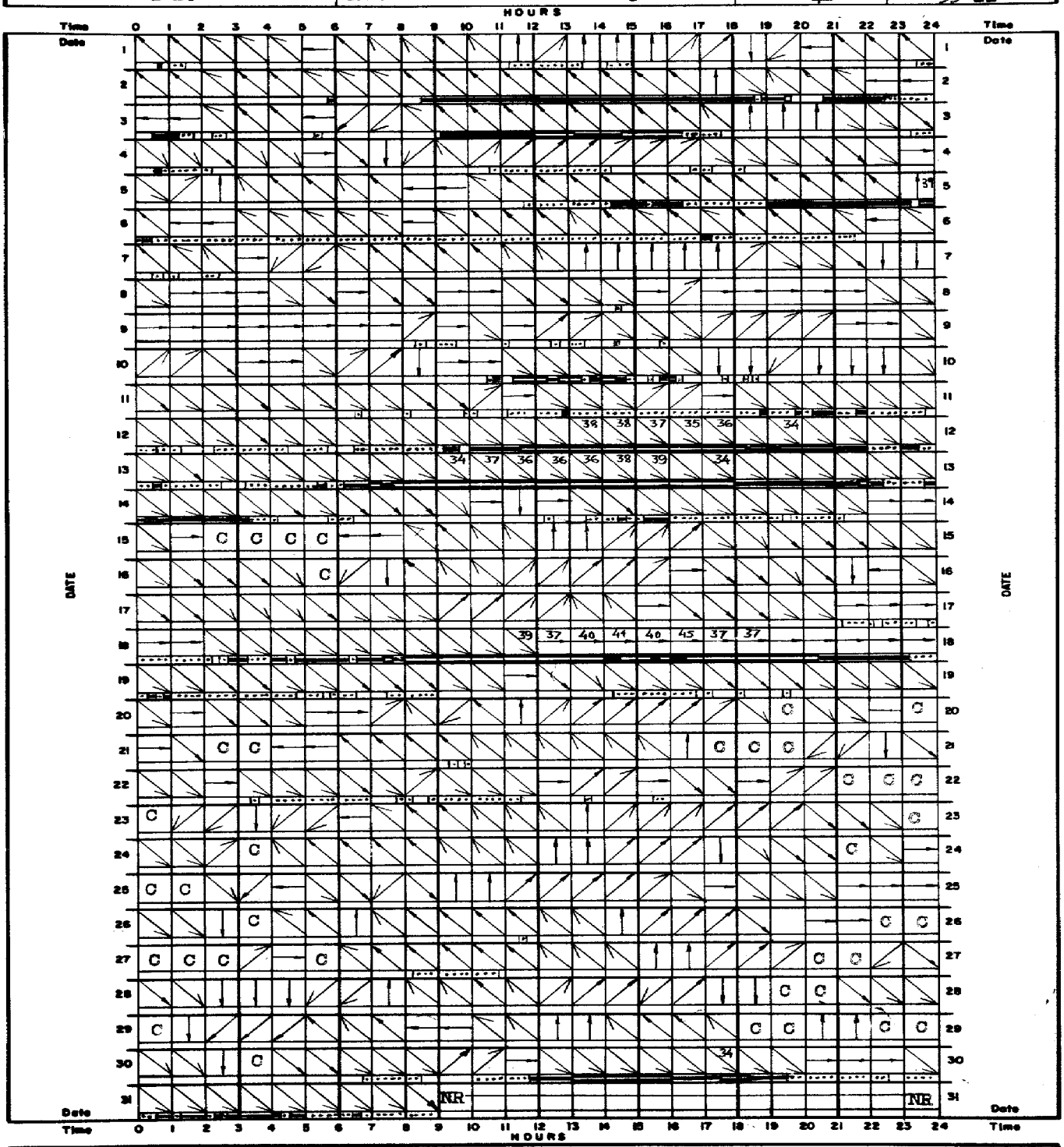
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: May	Year: 1963
	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	Direction Key
C Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
1 – 10 Knots	
11 – 16	
17 – 21	
22 – 33	
> 34	

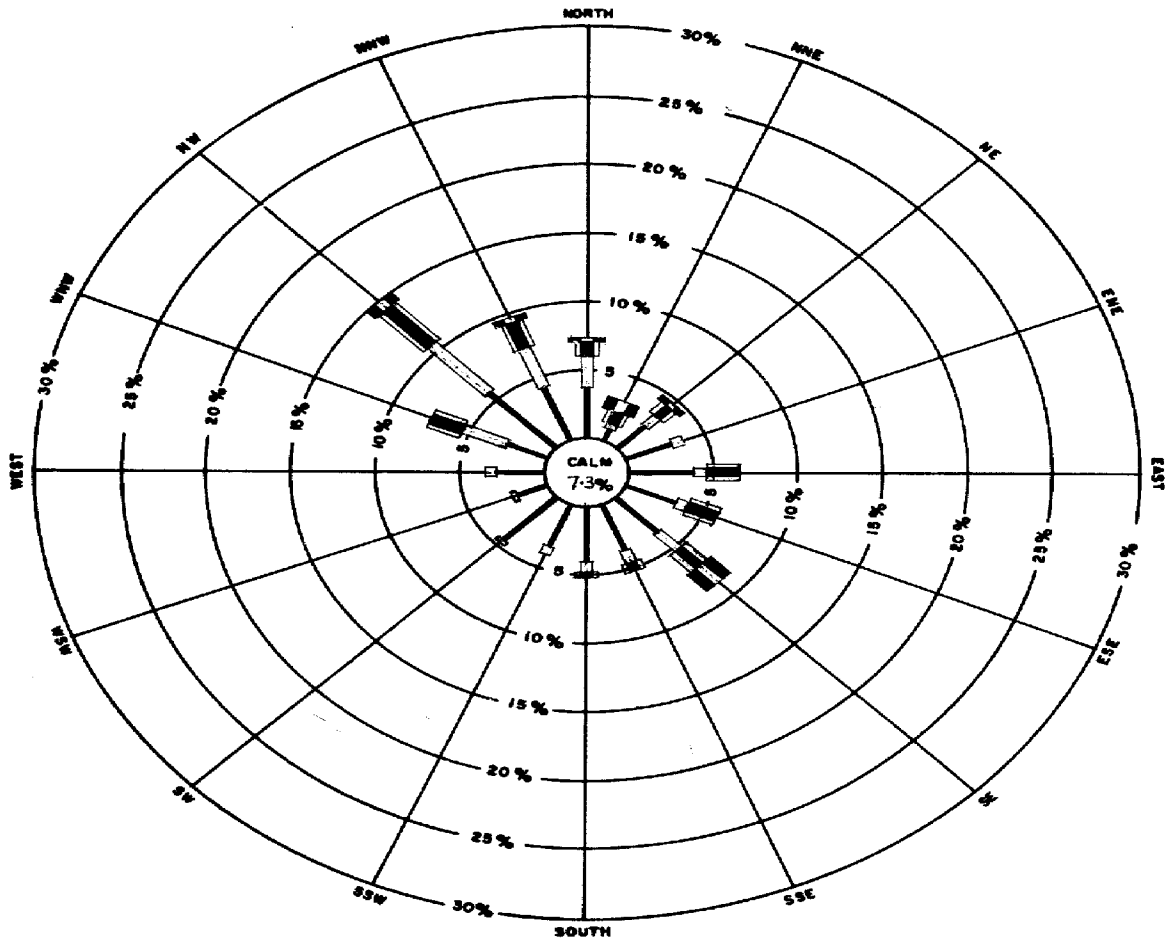
S 4 40

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:

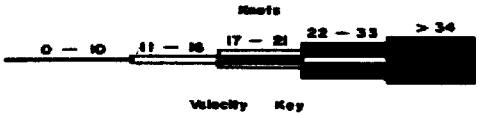
Met Form 4

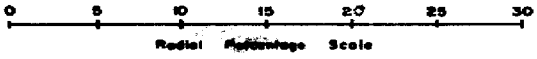
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: May	Year: 1963
	Compiled from Wind Records Summary	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' N.	Long: 49°02' E



Hours in month 744

Hours recorded 744





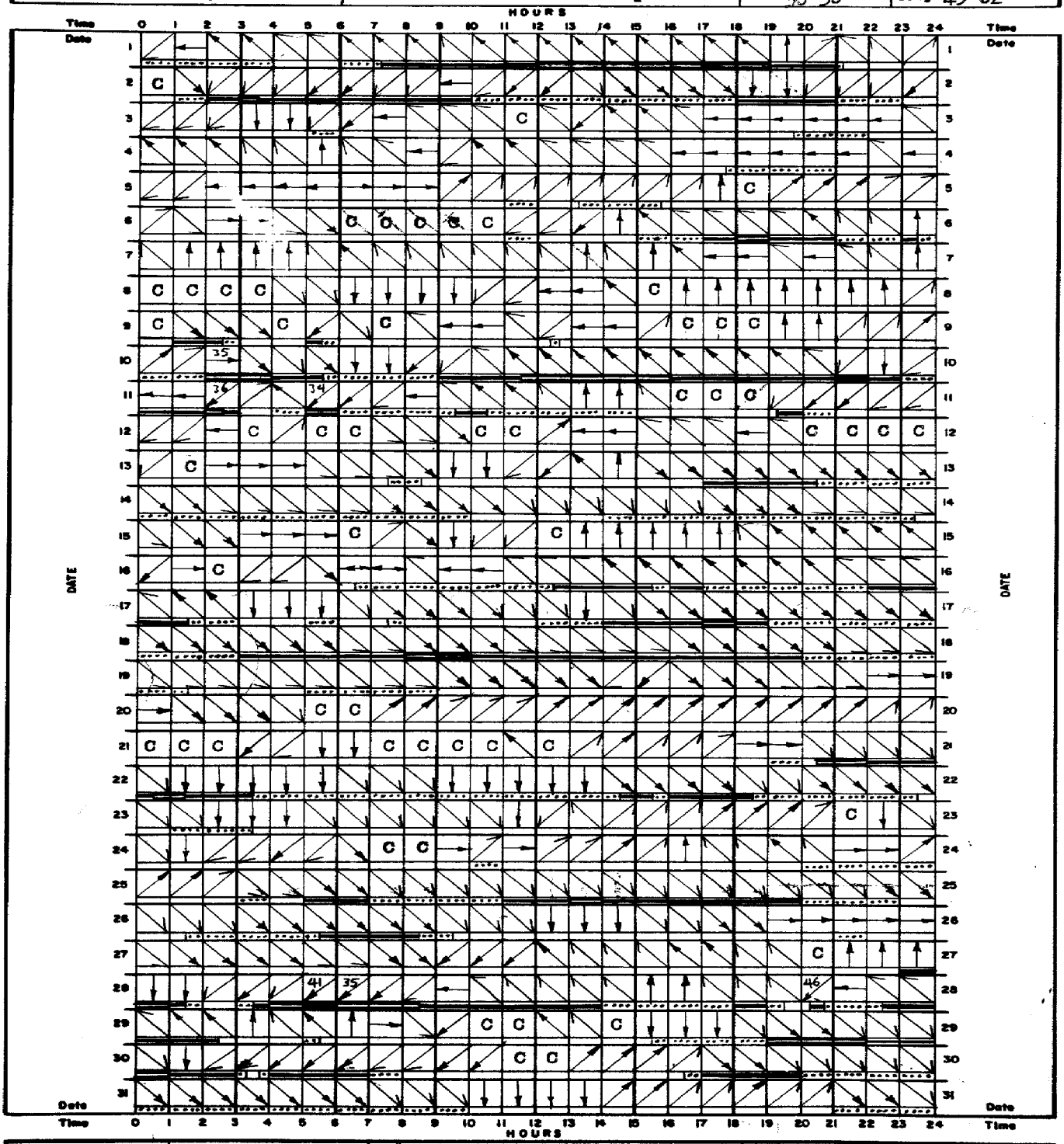
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: May	Year: 1963
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°30' 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 4

MEAN SEA LEVEL PRESSURE (QFF)

Date	Masjid-i-Sulaiman			Agha Jari			Gach Sarar			Kut Abdullah		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1004.5	1005.1	1001.4	1006.2	1007.0	1004.0	1004.8	1003.8	1001.1	1005.0*	1005.6*	1001.7
2	1004.5	1006.2	1008.9	1005.1	1006.2	1009.0	1004.5	1004.4	1004.2	1005.9	1007.2	1006.4
3	1009.8	1010.9	1011.6	1010.1	1012.6	1012.0	1008.1	1008.2	1009.7	1009.4*	1012.1*	1011.0
4	1012.1	1011.0	1008.4	1013.1	1012.5	1009.2	1010.2	1009.0	1006.9	1010.7*	1011.7*	1007.5
5	1004.3	1006.4	1006.7	1005.5	1008.6	1005.8	1003.9	1005.0	1003.9	1006.0	1007.6	1005.1
6	1004.1	1007.3	1005.3	1005.1	1009.2	1006.2	1002.7	1004.1	1005.2	1004.3	1006.4	1005.3
7	1010.2	1012.2	1011.3	1010.9	1012.9	1012.1	1009.1	1010.0	1010.9	1010.0	1011.8	1010.8
8	1012.0	1011.6	1009.2	1012.9	1012.7	1009.4	1012.4	1010.2	1008.0	1011.8	1012.3	1008.7
9	1008.2	1008.4	1006.3*	1009.9	1010.1	1006.6	1007.4	1006.3	1003.7	1009.1	1009.4	1006.1
10	1006.1*	1005.1*	1001.8	1008.9	1007.7	1007.0	1004.0	1008.1	1003.5	1007.0*	1004.2*	1005.1
11	1005.4	1006.9	1007.[illegible]	1007.9	1008.6	1009.1	1005.9	1005.3	1006.1	1006.0	1008.2	1008.0
12	1008.8	1010.3	1011.[illegible]	1010.0	1012.2	1011.0	1007.8	1008.3	1006.8	1009.7*	1010.3*	1009.8
13	1010.1	1010.0	1008.1	1011.0	1011.3	1009.3	1008.0	1006.9	1004.5	1010.9	1010.8	1008.7
14	1008.1	1008.5	1006.3	1009.1	1009.7	1007.2	1006.6	1005.9	1004.3	1008.6	1009.3	1007.0
15	1007.7	1007.7	1006.8	1008.4	1008.7	1007.8	1006.5	1005.9	1006.1	1007.7	1008.6	1006.8
16	1009.4	1009.6	1006.5	1011.7	1010.6	1008.4	1008.4	1008.1	1006.6	1009.9	1009.1	1007.0
17	1008.0	1009.2	1007.4	1009.9	1010.1	1008.7	1006.6	1006.1	1004.8	1008.9*	1010.5*	1009.3
18	1007.6	1007.6	1006.3	1010.0	1009.5	1007.3	1005.2	1004.6	1004.3	1009.1	1008.7	1007.1
19	1006.7	1007.3	1005.2	1008.5	1008.7	1006.6	1005.1	1004.4	1004.1	1007.8	1008.4	1005.8
20	1006.3	1006.8	1004.8	1007.7	1008.6	1005.9	1005.3	1004.9	1003.8	1006.1	1007.8	1005.4
21	1005.7	1006.4	1004.5	1007.7	1007.2	1004.8	1004.1	1004.9	1002.2	1006.8	1006.9	1004.8
22	1005.9	1006.3	1004.7	1008.2	1008.1	1006.0	1003.7	1003.1	1003.3	1007.4	1007.1	1005.5
23	1005.3	1006.1	1004.1	1006.8	1007.5	1005.0	1003.4	1003.7	1002.0	1006.2	1007.0	1004.4
24	1005.1	1005.1	1003.1	1006.3	1006.8	1004.4	1004.1	1003.2	1002.3	1005.5*	1005.9*	1003.9
25	1004.1	1005.1	1004.0	1006.4	1007.8	1006.1	1003.7	1003.9	1001.7	1004.3	1005.5	1005.8
26	1006.5	1006.3	1003.7	1007.6	1006.4	1004.6	1004.2	1002.4	1000.7	1007.2	1006.8	1004.3
27	1004.4	1004.1	1002.4	1005.2	1004.2	1002.7	1002.3	1001.6	1001.5	1004.6	1004.5	1001.8
28	1006.0	1002.2	999.7	1007.0	1003.5	1001.9	1003.0	1001.3	999.7	1003.8	1002.7	1000.1
29	1002.6	1003.9	1003.3	1003.5	1004.6	1003.8	1001.5	1001.3	1000.5	1003.8	1004.8	1003.7
30	1005.9	1007.2	1005.9	1007.5	1008.3	1006.7	1004.9	1004.3	1003.6	1007.0	1008.1	1006.7
31	1007.1	1006.6	1005.3	1008.0	1007.4	1006.1	1004.9	1004.3	1003.6	1009.2*	1007.5*	1005.6
Av.	1006.9	1007.4	1005.9	1008.3	1008.7	1006.9	1005.6	1005.3	1004.2	1007.4	1007.9	1006.1

Date	Abadan			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1005.1*	1003.6*	1002.3	1005.4	1005.9	1002.9	1006.2	1006.8	1003.1	1008.6	1008.8	1008.0
2	1005.1*	1006.3	1006.6	1004.5	1005.5	1006.4	1003.9	1003.8	1005.1	1007.3	1008.1	1006.8
3	1010.2*	1011.3*	1009.9	1010.6	1012.1	1011.1	1009.9	1011.7	1011.1	1010.5	1010.5	1011.2
4	1011.7*	1010.9*	1007.2	1011.7	1012.0	1008.1	1011.0	1011.5	1008.5	1011.3	1010.8	1007.9
5	1006.2	1006.7	1004.3*	1005.7	1007.4	1004.6	1004.9	1008.1	1004.1	1007.8	1007.7	1005.9
6	1008.5	1004.7	1004.2	1004.0	1006.4	1005.4	1004.1	1005.4	1005.6	1005.9	1006.9	1005.6
7	1009.9	1011.5	1010.2	1010.1	1012.2	1011.2	1009.6	1011.8	1010.9	1011.5	1011.5	1010.8
8	1011.8	1011.4	1008.6	1012.2	1012.0	1008.8	1011.4	1011.7	1009.1	1011.6	1010.9	1008.7
9	1009.3	1009.1	1005.9*	1009.5	1009.7	1006.4	1009.3	1009.4	1006.3	1008.1	1009.0	1006.9
10	1007.0*	1005.8*	1003.1*	1008.1	1006.5	1004.6	1006.7	1007.5	1005.3	1005.7	1006.7	1005.5
11	1006.7	1007.4	1007.1	1006.5	1007.8	1008.2	1007.4	1007.5	1006.5	1006.7	1007.4	1006.5
12	1008.9*	1010.7*	1009.6	1009.7	1011.2	1010.0	1008.1	1011.0	1010.2	1007.4	1008.9	1008.0
13	1010.8	1011.1	1009.7	1010.5	1011.2	1008.7	1009.5	1010.8	1009.6	1007.9	1008.0	1006.2
14	1009.0	1010.0	1008.1	1008.6	1009.3	1007.3	1008.3	1008.6	1006.8	1006.3	1007.4	1006.5
15	1007.7	1009.1	1006.3	1008.0	1008.7	1006.3	1007.3	1008.8	1007.7	1009.0	1010.2	1009.6
16	1009.4	1009.3	1007.1	1011.1	1010.0	1007.2	1009.8	1010.5	1008.3	1010.0	1011.7	1009.7
17	1009.5*	1011.2*	1010.0	1008.6	1009.6	1008.8	1007.9	1008.6	1007.4	1010.0	1008.6	1007.1
18	1010.4	1010.2	1008.7	1009.8	1009.2	1007.4	1008.8	1009.1	1007.4	1005.2	1005.3	1003.7
19	1008.7	1008.9	1006.3	1008.0	1008.3	1006.3	1007.6	1008.7	1006.3	1006.6	1007.3	1006.7
20	1007.0	1007.9	1005.6	1006.8	1008.2	1005.5	1006.9	1007.9	1005.8	1007.3	1008.3	1007.0
21	1007.2	1007.3	1005.1	1007.0	1006.9	1004.4	1006.1	1006.8	1004.6	1007.1	1008.2	1005.0
22	1008.6	1009.4	1006.6	1007.9	1007.6	1005.9	1006.5	1007.2	1005.4	1004.8	1005.5	1003.4
23	1006.8	1007.8	1005.4	1006.5	1007.2	1004.6*	1005.4	1007.0	1004.7	1005.1	1006.2	1005.3
24	1005.7*	1007.6*	1002.6	1005.5	1006.6	1003.8	1005.3	1006.2	1004.5	1006.3	1007.1	1005.9
25	1006.1	1008.4	1006.7	1005.9	1007.3	1006.1	1005.9	1007.4	1005.4	1007.2	1007.2	1004.9
26	1008.1	1007.4	1005.2	1006.7	1006.9	1004.4*	1006.3	1005.7	1003.5	1004.6	1005.9	1003.5
27	1004.6	1004.1	1002.9	1004.3	1004.8	1002.3	1003.6	1004.4	1002.7	1005.0	1006.7	1005.0
28	1003.5	1002.6	1000.4	1005.7	1005.2	1000.7	1004.9	1004.5	1001.9	1005.6	1006.1	1004.0
29	1003.9	1005.9	1004.4	1003.7	1004.5	1003.3	1003.2	1003.9	1002.8	1004.8	1005.6	1003.7
30	1007.3	1008.7	1007.4	1007.4	1008.0	1006.6	1005.9	1007.0	1005.9	1003.6	1004.2	1002.9
31	1008.0*	1008.2*	1007.1	1007.5	1007.2	1005.7	1006.7	1007.5	1005.6	1004.7	1005.3	1004.3
Av.	1007.8	1008.2	1006.3	1007.7	1008.2	1006.2	1007.1	1007.9	1006.2	1007.2	1007.8	1006.3

* Values obtained from barograph

APR 20 1964

IRANIAN OIL EXPLORATION & PRODUCING COMPANY

AIR SERVICES IE5

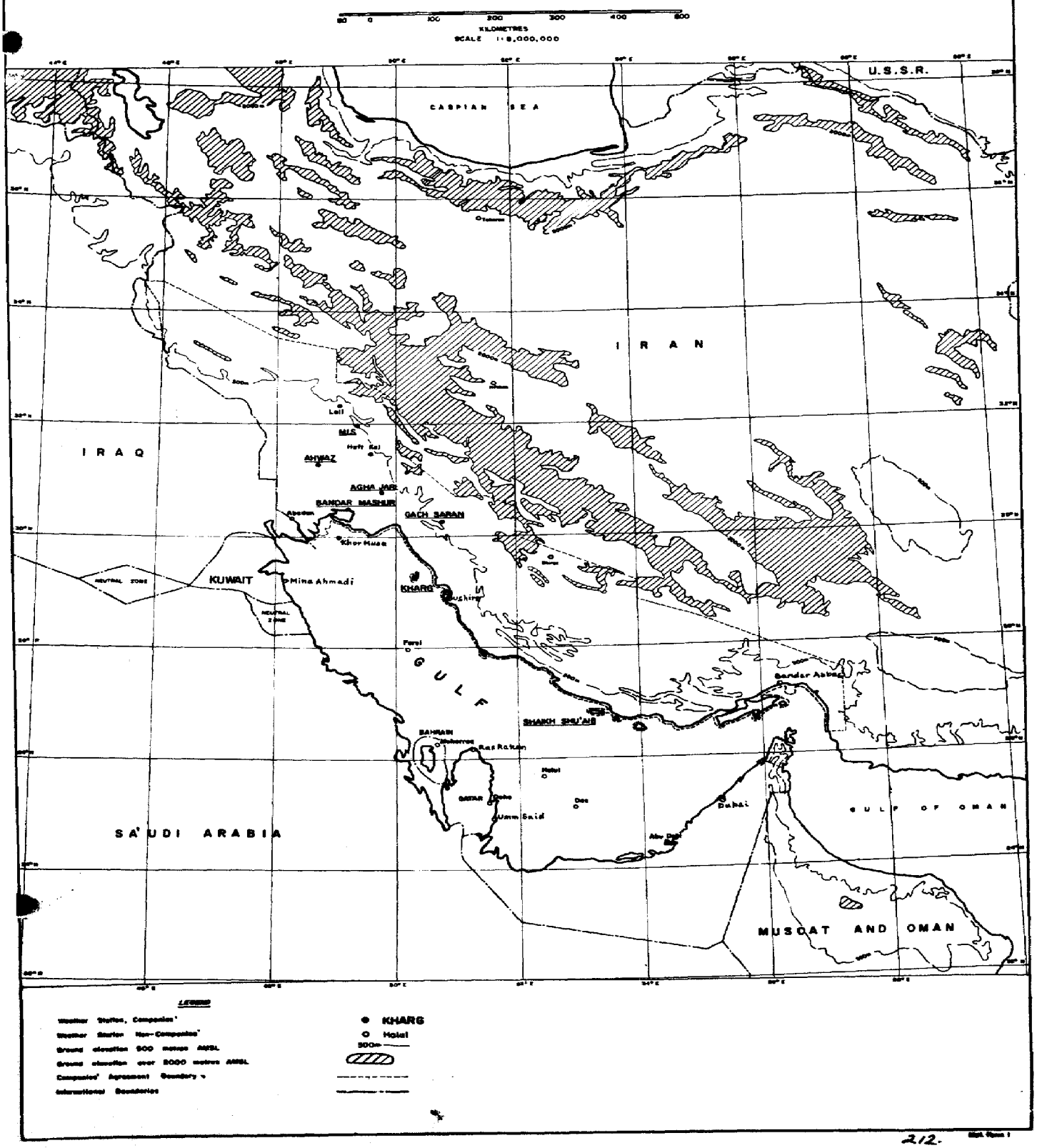
METEOROLOGICAL OBSERVATIONS

FOR

JUNE 1963

Atch #1
1 846 0105 63
211.

IRANIAN OIL OPERATING COMPANIES' WEATHER STATIONS.



WEATHER BULLETIN

June 1963

CONTENTS.

The following Stations are included in this bulletin.

Station	Index Number	Latityde	Longitude	Height AMSL	Page
Masjid-i-Sulaiman (Airport)[1]	40 812	31°59' N	49°16' E	362 m.	4
Agha Jari (Ummidieh airport)[1]	40 833	30°44' N	49°40' E	29 m.	9
Gach Saran (Du Gombadan airport)[1]	40 835	30°20' N	50°50' E	709 m.	14
Kut Abdullah (Airport)[2]	-	31°13' N	48°20' E	15 m.	17
Abadan (IOE&PC airport)[2]	-	30°22' N	48°13' E	3 m.	20
Bandar Mashur (Marine Department)[3]	40 832	30°30' N	49°12' E*	3 m.	23
Kharg Island (Airport)[1]	40 845	29°16' N	50°20' E	3 m.	28
Sheikh Shu'aib (Decca Navigator Stn.)[3]	40 882	26°48' N	53°22' E	2 m.	33
Khor Musa (Instrument platform)[4]	-	30°00' N	49°02' E	6 m.	38

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

*wind recording at 30°33' N 49°09' E

REMARKS.

See Remarks in the May 1963 bulletin.

WEATHER.

The following table gives the departures from the normal June values of certain meteorological elements..(+ = Higher than normal, - = lower than normal,) [illegible] normal, from the beginning of the winter until 30th June. (+ = higher than normal. - = lower than normal.)

	Maximum Temperature °C	Minimum Temperature °C	Sun Maximum Temperature °C	Relative Humidity (average of day) %	Station Pressure mb
Masjid-i-Sulaiman	+1.1	+0.8	+2.0	+4	[illegible]
Agha Jari	+1.3	-0.7		-4	[illegible]
Gach Saran	+0.3	-0.7	+0.2		[illegible]
Abadan	+0.4	+0.3	-0.4	-4	+1.1
Bandar Mashur	-0.7	+4.4	+1.8		[illegible]
Kharg Island	+0.4	±0.0	-0.4		[illegible]

Gh.h.Ghassemi
Chief Meteorological Observer

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER SUMMARY

Month: June | Year: 1963

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 (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.	Maximum Wind Velocity Date
Masjid-i-Sulaiman	43.2	47.3	28	26.8	22.7	1	23.3	18.4	13		72.8	77.3	28	11.6	28.1	20	14	29	0	0		962.5	968.0	1	956.3	30	29	310	8
Agha Jari	45.6	50.5	28	24.7	21.3	1	18.6	14.2	25		80.0	83.9	27	9.3	32.4	15	5	26	0	0		1000.0	1005.0	1	994.1	30	44	340	9
Gach Saran	40.8	45.0	28	21.9	17.1	1	20.6	15.6	1		72.7	76.0	28	8.5	29.3	16	6	34	0	0		924.2	928.9	2	919.0	30			
Kut Abdullah	44.3	48.2	28	23.9	20.2	18	22.1	18.7	1		78.8	83.8	28	11.6	27.2	21	8	41	0	0		1000.9	1006.5	1	994.0	30			
Abadan	43.1	47.0	28	26.7	22.0	1								12.9	25.5	23	11	44	0	0		1003.0	1008.1	12	995.6	30			
Bandar Mashur	42.9	48.8	28	28.6	22.9	13	24.9	22.0	13		75.4	79.7	28	16.3	21.6	31	15	51	0	0		1002.2	1007.1	1	995.8	30	45	320	21
Kharg Island	37.3	41.6	6	26.8	22.0	28	24.1	19.4	2		67.4	71.4	7	23.0	12.9	50	34	68	0	0		1001.7	1006.7	1	996.4	30	33	360	12
Sheikh Shu'aib	34.6	43.5	7	25.5	21.9	1	23.2	20.0	1	30.0	70.5	77.9	21	30.3	7.9	75	67	83	0	0		1001.1	1006.6	2	996.3	30	35	290	13
Khor Musa																											41	330	5

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	24	5	0	0	0	29	1	0	0	0	0	1	2	13	7	0	0	3	0	0	0	0	0	0	0	0	0	0
Agha Jari	0	0	0	0	13	17	0	0	0	30	0	0	0	0	0	1	6	9	12	2	0	1	0	0	0	0	0	0	0	0	0	0
Gach Saran	0	0	0	11	18	1	0	0	6	24	0	0	0	0	0	0	4	16	10	0	0	0	0	0	0	0	0	0	0	0	2	0
Kut Abdullah	0	0	0	4	16	13	0	0	0	30	0	0	0	0	0	0	1	14	15	0	0	0	0	0	0	0	0	0	0	0	0	0
Abadan	0	0	0	4	18	8	0	0	0	28	2	0	0	0	2	2	7	12	7	0	0	4	0	0	0	0	0	0	0	1	0	0
Bandar Mashur	0	0	0	5	18	7	0	0	0	30	0	0	0	0	0	0	1	9	18	2	0	0	0	0	0	0	0	0	0	0	0	0
Kharg Island	0	0	0	23	7	0	0	0	0	30	0	0	0	1	1	0	3	15	10	0	2	0	0	0	0	0	0	0	0	0	0	0
Sheikh Shu'aib	0	0	0	27	3	0	0	0	0	30	0	0	1	0	0	0	1	13	15	0	1	0	0	0	0	0	0	0	0	3	6	1.0
Khor Musa																																

Met. Form 8

214.

3.

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°16' 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	24.0	14.5	5.3	9.0	30	967.4	300	5	0	30	38.4	19.0	0.8	6.5	10	967.2	030	12	0	6	1
2	28.0	16.8	7.2	10.2	27	966.9	300	4	0	10	41.7	20.5	2.2	7.1	9	967.3	310	2	0	15	2
3	30.0	17.0	5.5	9.1	21	966.4	310	5	0	20	42.0	21.0	4.0	8.1	10	966.1	300	10	0	20	3
4	30.4	15.8	0.2	6.3	14	964.7	–	0	0	25	42.4	19.7	-3.1	4.8	6	964.1	280	2	0	30	4
5	30.7	15.7	-0.4	5.9	13	963.4	300	5	0	60	43.8	20.2	-2.9	4.7	5	963.1	320	10	0	50	5
6	30.8	18.0	7.3	10.3	21	963.8	–	0	0	20	42.2	20.0	-1.1	5.7	7	964.0	250	10	0	20	6
7	29.5	17.5	7.5	10.4	15	962.8	–	0	0	30	42.5		0.7	6.4	8	963.0	280	10	0	20	7
8	29.8	16.6	4.4	8.3	20	961.0	320	5	0	3	42.5	21.5	5.2	8.9	11	961.1	300	7	0	12	8
9	30.6	19.6	12.0	14.1	32	961.6	–	0	0	8	43.0	22.6	8.5	11.1	13	962.4	280	10	0	6	9
10	28.4	18.6	11.4	13.6	35	963.5	–	0	0	10	40.6	23.2	12.5	14.6	19	963.7	280	10	0	20	10
11	30.0	19.0	11.1	13.2	31	963.5	–	0	0	10	41.8	24.6	15.1	17.2	21	968.8	320	14	0	15	11
12	26.6	18.6	13.1	15.1	45	965.1	–	0	0	3	37.4	23.6	16.0	18.2	28	966.1	270	8	0	8	12
13	25.6	17.5	11.4	13.5	41	964.9	–	0	0	3	38.7	23.9	15.7	17.8	26	964.3	290	8	0	8	13
14	27.9	18.4	11.4	13.6	36	961.2	–	0	0	8	40.1	24.9	17.0	19.4	26	960.7	250	13	0	20	14
15	28.0	17.5	9.2	11.7	31	957.8	–	0	0	4	40.0	24.2	15.4	17.6	24	957.7	250	5	0	6	15
16	28.8	19.6	13.4	15.4	39	958.8	–	0	0	12	36.6	24.0	17.2	19.8	32	959.9	250	2	0	30	16
17	27.5	17.7	10.2	12.4	34	960.4	–	0	0	1	37.0	23.5	16.0	18.2	29	960.1	230	4	0	3	17
18	27.9	18.7	12.2	14.2	38	958.1	–	0	0	6	39.0	23.6	14.6	16.8	24	957.7	280	7	0	10	18
19	29.2	20.0	14.1	16.1	40	959.0	–	0	0	16	40.2	25.6	18.4	21.2	28	959.4	270	5	0	20	19
20	28.8	20.4	15.2	17.3	44	959.3	–	0	0	12	39.5	26.5	20.6	24.3	34	960.6	280	2	0	20	20
21	30.2	20.0	13.3	15.3	36	960.9	–	0	0	10	41.5	28.0	22.3	27.1	34	962.1	270	10	0	20	21
22	27.8	15.8	4.3	8.3	22	962.3	–	0	0	2	38.4	12.8	-5.4	3.8	6	965.1	270	10	0	10	22
23	27.6	17.8	10.3	12.6	34	962.5	–	0	0	1	40.2	19.2	-1.4	5.5	7	962.1	300	10	0	3	23
24	27.4	16.2	6.1	9.4	26	960.4	–	0	0	8	42.0	20.2	0.3	6.3	8	958.8	280	10	0	8	24
25	28.4	16.5	5.8	9.3	24	958.1	–	0	0	16	40.3	19.9	1.7	7.0	9	959.6	220	12	0	18	25
26	29.9	17.7	7.7	10.5	25	962.2	–	0	0	20	40.5	19.8	4.3	8.3	11	964.4	270	2	0	25	26
27	30.0	16.8	4.7	8.6	20	964.8	–	0	0	20	43.2	20.6	0.2	6.2	7	965.1	290	5	0	20	27
28	30.8	18.3	8.4	11.1	25	963.1	–	0	0	20	45.0	20.8	-2.1	5.2	5	962.3	330	2	0	20	28
29	31.8	17.4	4.3	8.4	18	958.9	–	0	0	20	44.2	20.1	-4.3	4.3	5	958.4	200	10	0	30	29
30	31.0	17.2	4.8	8.7	19	956.0	–	0	0	10	42.4	21.2	4.1	8.2	10	955.2	–	0	0	8	30
Av.	28.9	18.2	8.4	11.1	29	961.9	–	1	0	14	40.9	21.9	7.1	11.7	16	962.3	–	7	0	17	Av.

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: June Year: 1963

Station: Masjid-i-Sulaiman

Ground Level: 362 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 31°59' N Long: 49°31' 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		
38.0	19.0	1.4	6.8	11	965.7	280	11	0	5		49.7	22.7	20.2	70.5	300	21	0	Haze	1
40.5	20.0	1.8	7.0	9	965.5	320	10	0	20		44.0	26.2	24.0	73.6	290	18	0	"	2
41.2	19.0	-4.4	4.3	5	964.4	270	10	0	30		44.5	28.2	25.6	74.0	270	20	0	Clear	3
41.7	18.2	-12.8	2.1	3	962.4	280	12	0	80		44.5	27.8	23.0	74.2	300	18	0	"	4
42.6	19.7	-3.5	4.7	5	961.5	310	19	0	25		45.6	29.0	23.7	74.8	310	25	0	"	5
42.2	19.8	-1.9	5.3	6	961.5	270	15	0	30		45.0	28.3	23.0	73.8	290	21	0	"	6
40.4	20.5	4.1	8.2	11	960.9	280	15	0	8		44.4	27.5	27.0	74.5	270	26	0	Haze	7
41.8	21.4	5.7	9.2	11	960.1	310	15	0	15		45.0	28.0	24.0	74.0	310	29	0	"	8
40.6	21.6	7.8	10.6	14	961.4	300	15	0	10		44.5	28.7	24.2	74.0	290	28	0	"	9
40.7	23.4	13.0	15.0	20	962.2	300	15	0	30		43.6	27.0	21.0	73.8	320	22	0	"	10
39.6	24.0	15.2	17.4	24	962.9	270	12	0	25		43.6	27.3	23.9	72.8	290	25	0	"	11
37.5	23.6	15.9	18.1	28	965.6	230	5	0	30		40.2	24.0	19.4	70.4	240	14	0	"	12
39.4	24.0	15.4	17.5	24	963.9	300	5	0	8		40.8	22.9	18.4	72.0	270	16	0	"	13
40.0	24.3	15.7	17.9	24	958.6	270	5	0	40		41.8	25.0	20.6	71.5	270	21	0	"	14
40.8	24.0	14.4	16.5	22	956.5	270	8	0	50		42.6	25.3		72.5	280	24	0	"	15
36.4	24.2	17.8	20.5	34	959.2	–	0	0	5		41.8	26.6	22.0	69.9	270	20	0	"	16
36.6	23.5	16.1	18.5	30	958.3	270	2	0	6		39.0	26.4	25.6	69.6	240	17	0	Dust	17
39.4	24.3	16.1	18.3	26	956.1	270	10	0	20		40.9	25.0	21.5	70.6	240	22	0	Haze	18
40.6	27.0	21.0	24.8	33	957.7	–	0	0	30		42.6	27.1	23.9	70.5	260	10	0	Clear	19
41.8	26.2	18.7	21.4	26	958.7	270	11	0	20		44.1	28.0	23.3	74.2	310	24	0	"	20
39.9	17.1	-17.8	1.3	2	960.4	180	24	0	0.5		43.6	26.2	24.3	73.8	290	27	0	Dust+st.	21
38.4	18.0	-4.2	4.3	6	962.0	270	15	0	2		41.8	25.0	23.3	71.2	270	27	0	Haze	22
39.8	19.0	-1.6	5.4	7	961.2	270	5	0	6		41.5	26.5	23.4	71.8	270	20	0	Dust	23
41.0	20.0	1.0	6.6	8	956.9	260	5	0	12		43.9	26.3	22.3	73.2			0	Haze	24
40.1	20.0	2.5	7.3	10	958.5	190	5	0	20		43.4	26.0	24.2	72.0	150	17	0	Clear	25
40.0	19.4	-0.2	6.0	8	963.6	270	2	0	30		42.2	27.4	24.2		260	16	0	"	26
43.4	19.5	-6.4	3.6	4	963.6	310	8	0	20		45.8	28.3	23.4	74.8	310	13	0	"	27
44.1	19.5	-8.4	3.0	3	960.1	270	15	0	20		47.3	29.7	25.2	77.3	290	23	0	"	28
42.0	19.6	-2.7	4.9	6	955.9	220	8	0	3		44.3	30.0	26.8	73.6	240	19	0	"	29
42.1	20.1	-0.4	5.9	7	953.4	270	6	0	20		44.3	28.2	24.3	73.5	280	16	0	Haze	30
40.4	21.9	4.6	10.1	14	957.1	–	9	0	20										Avg.

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

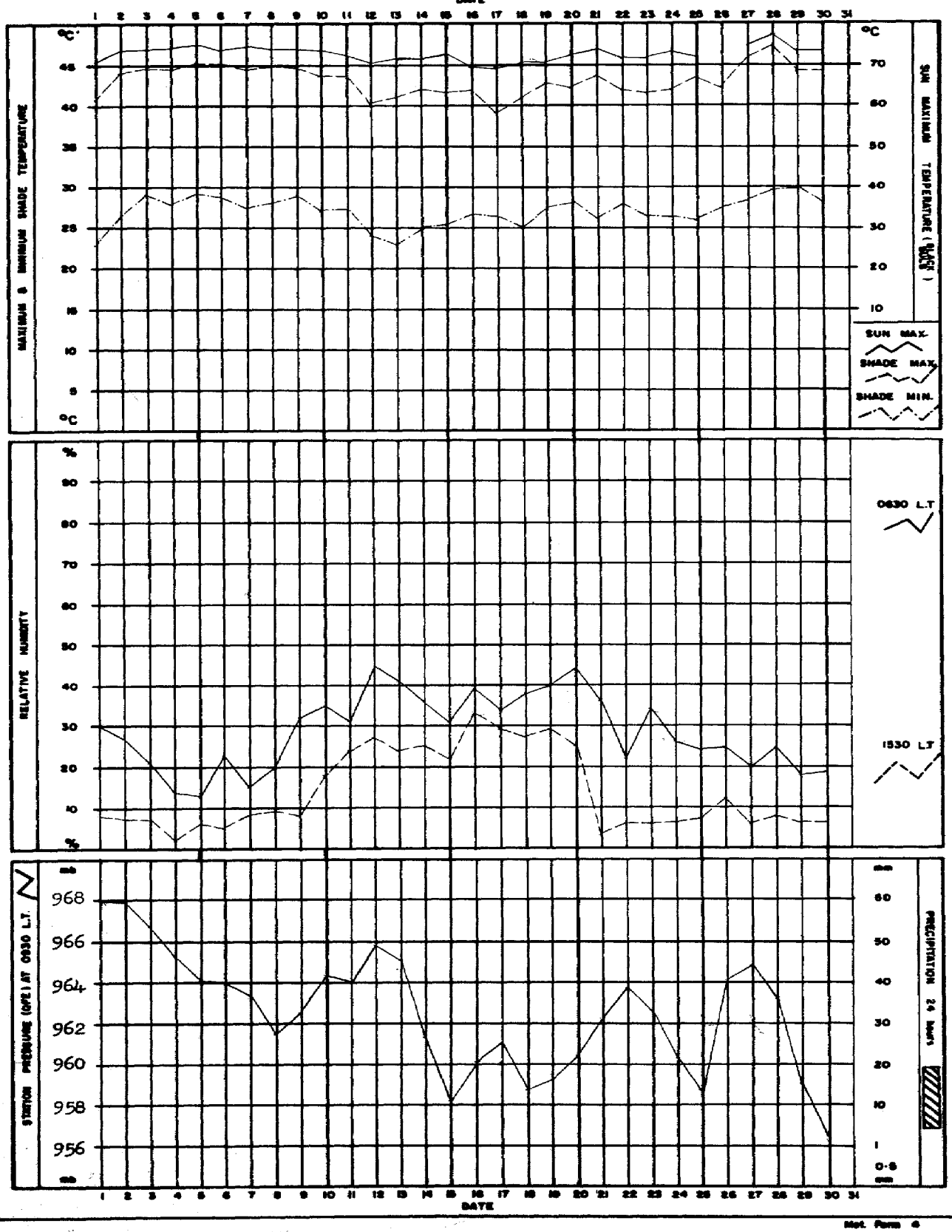
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

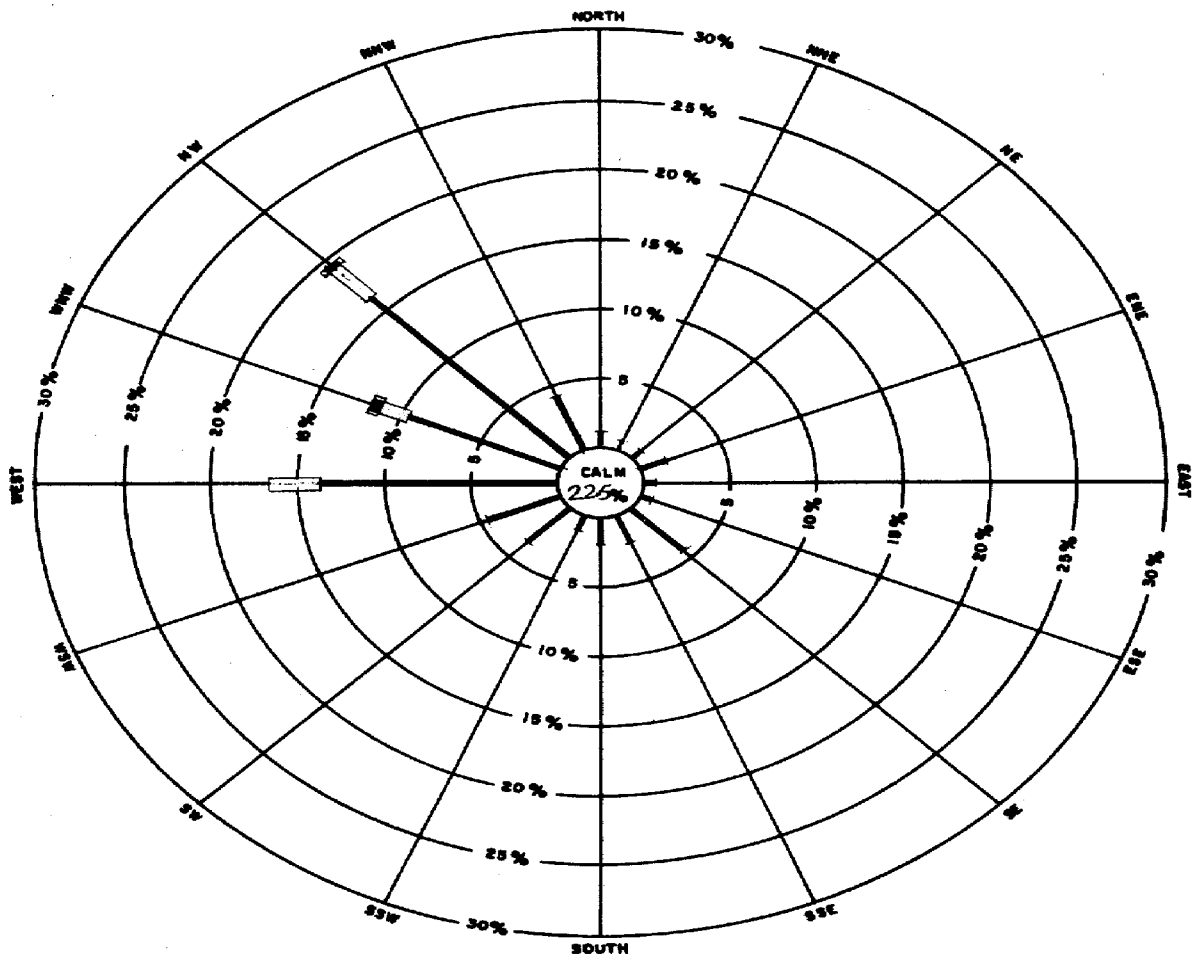
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



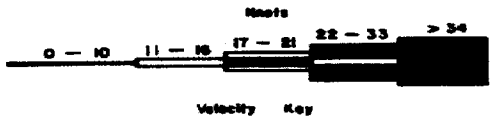
Met. Form 4

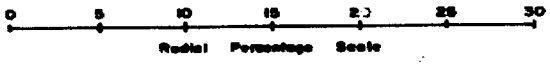
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Masjid-i-Sulaiman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Hours in month 720

Hours recorded 700





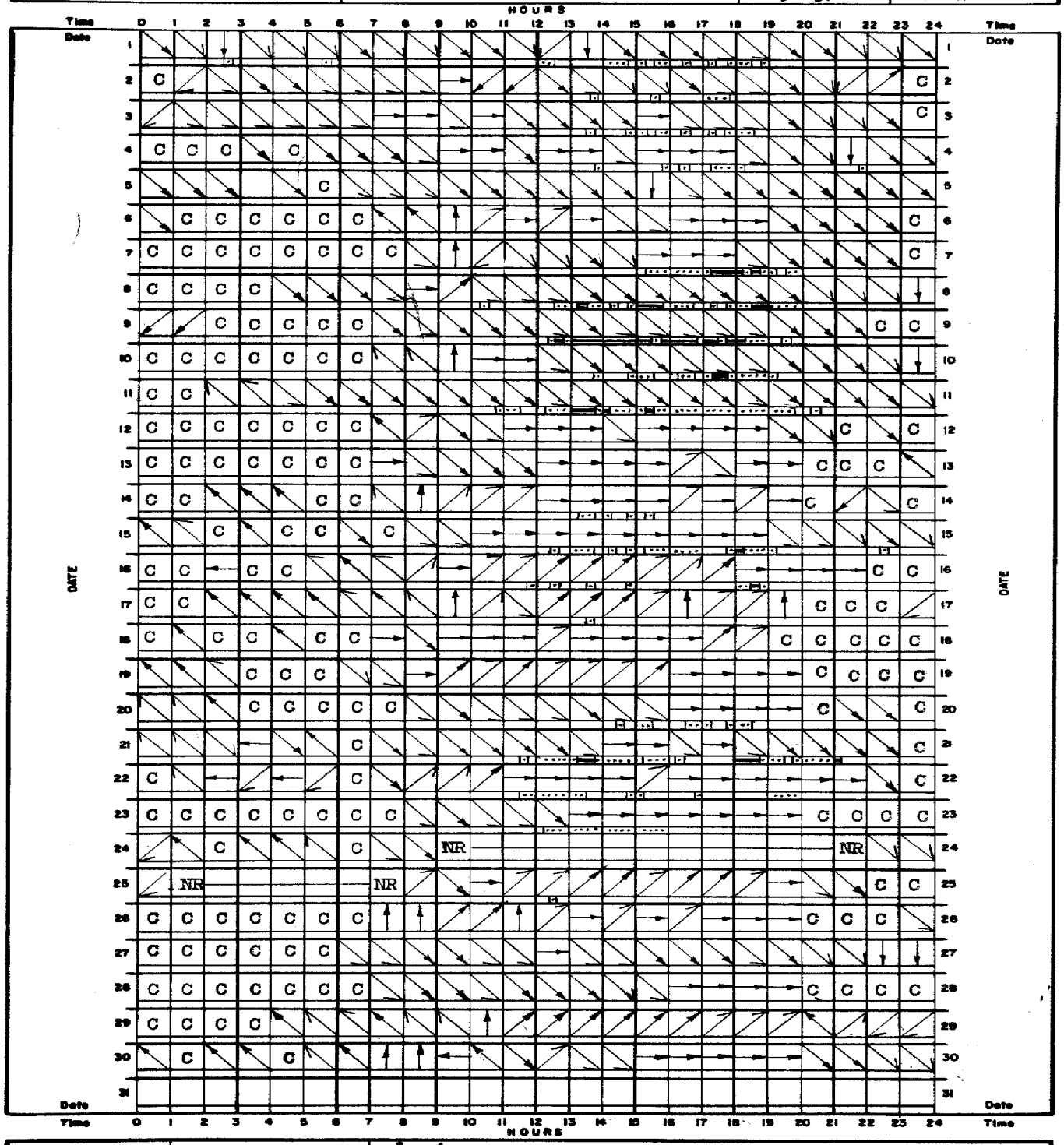
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: June	Year: 1963
	DINES ANEMOGRAPH	Station: Masjid-i-Sulaman	
Ground Level: 362 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 31°59' N.	Long: 49°16' E



Velocity Key	Direction Key
C Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
1 – 10 Knots	
11 – 16	
17 – 21	
22 – 33	
> 34	

S 4 40 N

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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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	25.2	16.1	8.4	11.1	35	1004.7	020	3	0	40	42.0	19.9	-1.1	5.6	7	1003.8	330	18	0	12	1
2	26.5	16.4	7.8	10.6	31	1003.9	–	0	0	15	45.9	21.1	-2.1	5.2	5	1004.0	320	8	0	20	2
3	28.8	17.1	7.2	10.2	26	1003.0	360	4	0	20	45.4	21.5	1.0	6.6	8	1002.3	320	18	0	20	3
4	28.6	14.9	-0.3	6.0	15	1000.9	320	6	0	15	46.2	20.6	-5.8	3.8	4	1000.4	340	20	0	15	4
5	28.1	15.0	1.0	6.6	17	999.1	320	4	0	40	48.2	21.2	-6.5	3.6	3	999.3	330	22	0	20	5
6	29.4	15.6	1.4	6.8	17	1000.0	330	4	0	15	45.3	20.1	-7.3	3.4	4	1000.8	320	20	0	15	6
7	27.4	16.1	5.8	9.3	26	999.5	320	2	0	15	45.6	20.4	-5.6	3.8	4	999.5	320	20	0	15	7
8	26.2	16.8	9.2	11.7	35	998.4	–	0	0	15	44.0	20.5	-1.7	5.3	6	998.0	310	20	0	8	8
9	27.5	16.0	5.6	9.0	25	998.5	–	0	0	8	45.4	21.3	-0.1	6.1	8	999.4	300	18	0	8	9
10	25.1	15.5	6.9	10.0	32	999.7	340	4	0	15	43.4	19.5	-6.4	3.6	4	1000.9	320	3	0	30	10
11	28.5	14.3	-2.8	4.9	13	999.4	300	8	0	15	46.3	20.7	-5.8	3.9	4	999.9	310	20	0	12	11
12	24.0	14.0	3.7	8.0	27	1003.7	310	6	0	15	38.0	18.2	-2.2	5.1	8	1004.6	310	10	0	30	12
13	22.7	15.2	8.7	11.3	40	1005.1	–	0	0	40	37.7	18.5	-0.6	5.8	9	1002.9	310	10	0	10	13
14	23.0	14.5	6.7	9.8	35	1000.2	–	0	0	30	37.2	19.9	6.1	9.4	14	999.5	–	0	0	30	14
15	24.0	14.5	5.3	8.9	30	995.8	–	0	0	15	40.2	19.4	-0.5	5.9	8	995.7	310	6	0	8	15
16	26.7	15.7	5.5	9.1	26	996.7	–	0	0	20	40.5	19.0	-3.1	4.8	6	998.1	310	20	0	40	16
17	24.0	15.2	7.4	10.3	37	999.6	–	0	0	25	37.5	18.5	0.0	6.1	9	999.1	300	10	0	15	17
18	22.3	14.0	6.0	9.4	35	997.0	150	2	0	6	38.0	20.0	5.4	9.0	14	996.4	210	6	0	8	18
19	25.5	15.8	7.2	10.2	30	996.4	140	6	0	20	41.5	21.2	5.3	9.0	11	996.9	180	10	0	30	19
20	25.0	18.5	14.1	16.1	51	997.8	140	4	0	20	41.0	21.5	7.1	10.1	13	998.0	270	4	0	30	20
21	27.8	16.5	6.6	9.8	26	998.4	–	0	0	15	44.8	19.2	-14.4	1.8	2	998.7	320	25	0	6	21
22	25.0	14.8	5.0	8.7	28	1000.6	310	2	0	20	42.2	18.6	-10.5	2.6	3	1001.7	320	20	0	30	22
23	25.6	17.4	11.2	13.3	40	1001.2	–	0	0	20	40.0	20.6	5.2	8.9	12	1000.4	–	0	0	4	23
24	25.9	17.4	10.9	13.1	39	997.1	–	0	0	15	40.1	21.0	6.4	9.6	13	997.1	270	3	0	5	24
25	24.0	15.1	7.1	10.1	34	996.8	–	0	0	30	39.2	22.9	12.9	14.9	21	997.7	–	0	0	15	25
26	27.8	20.1	15.3	17.4	47	1001.4	130	7	0	12	40.1	21.5	8.1	10.8	15	1001.9	–	0	0	12	26
27	26.0	15.9	7.0	10.0	30	1002.9	–	0	0	20	45.2	22.9	7.0	10.1	10	1002.3	320	10	0	20	27
28	30.4	16.5	3.2	7.7	18	999.3	310	3	2	30	47.4	20.3	-12.6	2.1	2	997.9	330	18	0	30	28
29	28.7	16.9	6.7	9.8	25	996.8	–	0	0	20	45.3	20.9	-1.7	5.3	5	996.7	310	15	0	30	29
30	29.2	17.1	6.6	9.9	24	993.8	140	7	0	6	43.0	21.1	2.8	7.6	9	993.2	180	11	0	6	30
Av.	26.3	16.6	6.5	10.0	28	999.6	–	2	0	20	42.5	20.4	-7.0	6.3	8	999.6	–	12	0	18	Av.

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: June Year: 1963

Station: Agha Jari

Ground Level: 29 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°44' N Long: 49°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		
40.2	19.9	1.7	7.0	9	1002.5	320	15	0	6		44.6	21.3	20.6	78.3	230	38	0	Haze	1
43.7	20.9	0.8	6.5	7	1001.8	320	18	0	30		47.6	24.9	23.1	81.8	320	30	0	Clear	2
43.9	20.4	-2.1	5.2	6	1000.2	320	16	0	20		47.8	26.4	23.4	83.2	320	39	0	"	3
44.2	19.2	-11.7	2.3	2	999.5	320	20	0	12		47.2	26.8	25.4	81.6	350	37	0	"	4
45.3	20.4	-5.1	4.0	5	997.9	300	17	0	20		49.3	25.2	23.4	82.5	320	34	0	"	5
45.1	19.5	-12.2	2.2	2	998.7	310	15	0	20		47.4	27.6	25.5	82.0	330	35	0	"	6
42.9	20.0	-2.2	5.1	6	997.8	320	25	0	4		47.4	26.0	23.0	82.0	330	38	0	Haze	7
43.9	19.8	-5.6	3.9	4	996.9	320	25	0	2		46.9	25.0	21.4	81.7	330	39	0	Dust st.	8
43.7	20.8	0.1	6.2	7	998.5	310	25	0	8		47.0	26.7	23.0	81.7	340	44	0	Haze	9
43.4	18.6	-15.6	1.6	2	998.9	320	20	0	30		46.3	23.8	20.1	81.9	360	39	0	Clear	10
43.6	20.1	2.0	7.1	8	999.7	320	25	0	2		47.0	27.4	22.3	81.7	330	35	0	Haze	11
39.2	17.6	-9.0	2.9	4	1003.0	320	24	0	30		42.8	23.0	18.0	76.3	320	35	0	Clear	12
41.4	18.2	-1[illegible].2	2.4	3	999.8	300	10	0	30		42.7	21.5	15.3	76.1	330	22	0	Haze	13
42.0	18.9	-7.3	3.3	4	995.9	300	9	0	30		43.8	22.1	16.7	78.9	290	21	0	Clear	14
42.1	19.0	-6.7	3.5	4	994.0	320	25	0	2		45.5	23.0	18.0	80.1	310	35	0	Haze	15
38.7	19.2	1.2	6.7	10	997.4	300	20	0	3		43.5	25.0	18.0	80.0	320	28	0	"	16
38.6	18.5	-2.1	5.2	8	996.4	290	16	0	15		41.2	23.5	17.0	79.5	320	22	0	Clear	17
41.1	21.0	5.1	8.8	11	993.8	–	0	0	15		43.4	21.5	14.7	80.6	310	14	0	Haze	18
37.4	24.5	17.8	20.5	32	995.9	180	14	0	30		42.6	23.5	15.4	76.2	180	20	0	Clear	19
44.6	20.9	-0.7	5.8	6	995.7	290	10	0	40		45.6	23.5	15.0	79.4	290	20	0	"	20
42.0	19.1	-5.8	3.8	5	997.5	320	28	X	0.5		46.6	26.2	17.4	80.2	310	42	0	Duststt.	21
39.5	19.5	1.2	6.7	9	1000.7	300	33	0	4		44.0	23.5	14.4	79.3	310	35	0	Haze	22
42.5	20.8	2.2	7.2	9	997.1	310	12	0	30		44.0	24.5	14.9	79.3	310	23	0	"	23
43.8	20.3	-2.3	5.1	6	994.4	300	12	0	12		44.9	23.9	14.7	78.9	290	16	0	"	24
42.0	20.2	0.2	6.3	8	996.1	230	10	0	30		44.0	22.6	14.2	77.2	170	15	0	Clear	25
43.0	20.8	1.4	6.8	8	1000.7	270	6	0	30		44.3	23.9	14.4	79.9	300	13	0	"	26
46.1	20.9	-3.4	4.6	5	999.7	320	16	0	20		49.0	24.8	15.3	83.9	320	24	0	"	27
46.5	20.2	-9.9	2.7	3	996.4	320	18	0	30		50.5	29.5	19.2	83.6	310	32	0	"	28
44.0	20.0	-4.7	4.2	5	993.7	280	20	0	20		47.0	26.6	15.4	80.6	290	25	0	"	29
44.0	20.5	-1.7	5.3	6	990.3	270	6	0	10		45.4	27.4	19.2	81.7	310	16	0	Haze	30
42.9	20.0	-2.5	5.4	7	997.7	–	17	0	18										Av.

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

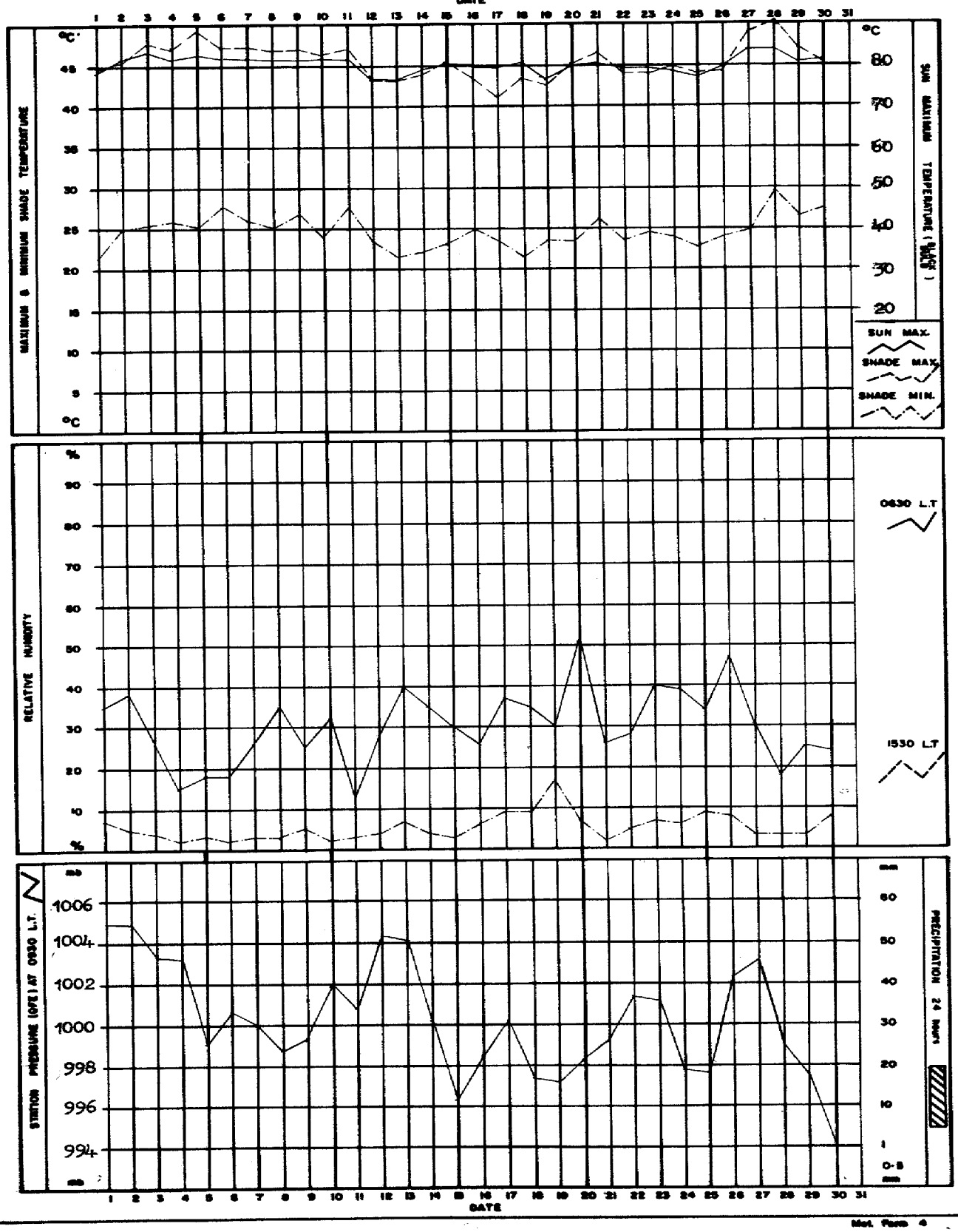
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

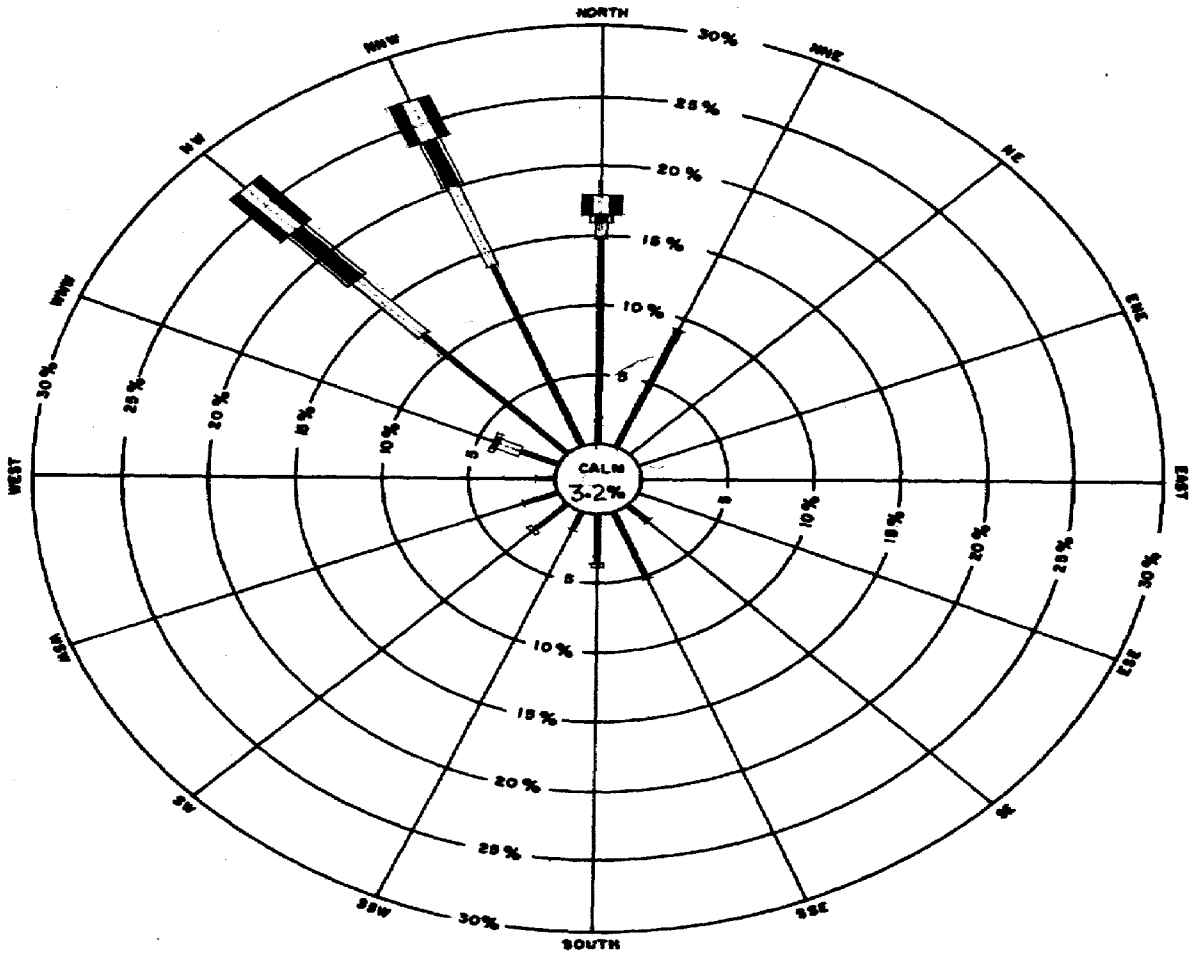
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



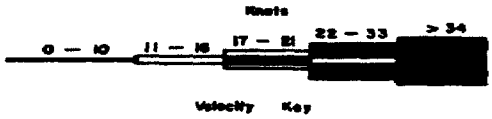
Met. Form 4

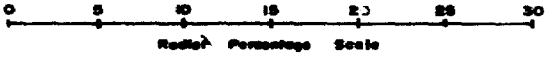
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Hours in month 720

Hours recorded 719





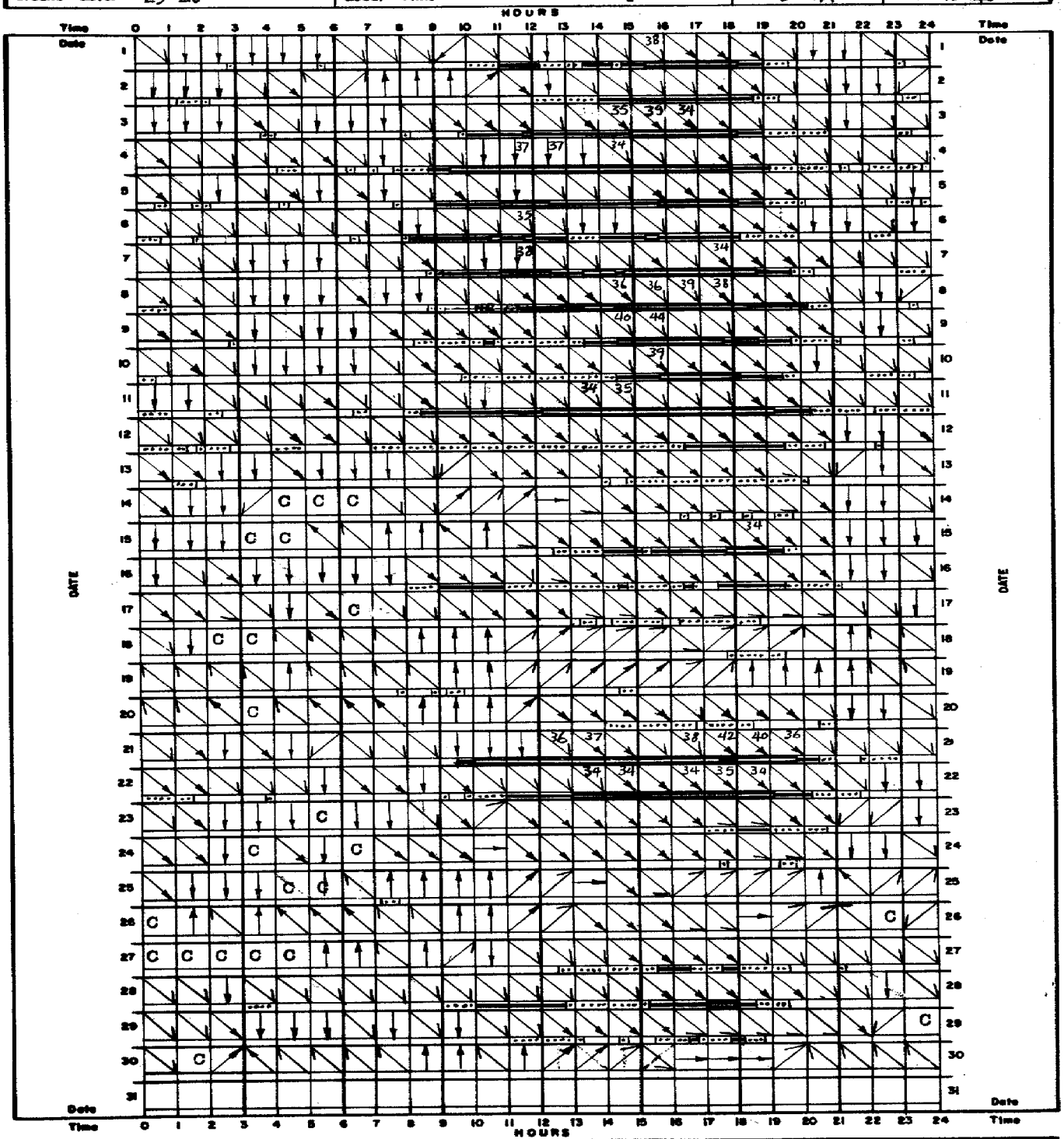
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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: June	Year: 1963
	DINES ANEMOGRAPH	Station: Agha Jari	
Ground Level: 29 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°44' N.	Long: 49°40' E



Velocity Key		Direction Key
C	Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
	1 – 10 Knots	
	11 – 16	
	17 – 21	
	22 – 33	
	> 34	

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: June Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°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	18.0	13.8	10.1	12.4	60	927.2	–	0	0	20	35.8	19.0	4.7	8.5	14	927.3	–	0	0	20	1
2	22.6	14.8	7.8	10.6	39	928.1	–	0	0	20	39.4	21.1	7.6	10.4	15	928.3	150	5	0	25	2
3	23.0	16.2	10.8	13.0	46	927.4	–	0	0	25	40.5	20.5	4.1	8.2	11	926.8	–	0	0	25	3
4	24.3	16.4	10.0	12.3	41	925.2	–	0	0	20	41.0	20.7	4.1	8.2	11	924.4	300	5	0	20	4
5	22.5	15.0	8.4	11.1	41	923.9	–	0	2	20	41.5	20.5	2.4	7.3	9	924.3	300	9	0	20	5
6	23.0	15.5	9.2	11.6	41	925.3	–	0	1	25	41.0	20.0	1.1	6.6	9	924.6	290	15	0	25	6
7	26.4	15.6	5.7	9.2	27	923.8	120	4	0	20	40.4	20.4	3.8	8.0	11	923.5	280	16	0	20	7
8	23.2	16.1	10.4	12.6	44	922.4	–	0	0	6	39.7	19.7	1.8	7.0	10	922.4	290	14	0	8	8
9	24.2	14.2	4.1	8.2	27	923.1	–	0	0	10	41.5	18.9	-6.1	3.7	5	923.6	310	20	0	10	9
10	22.4	13.0	2.8	7.5	28	924.9	–	0	0	7	40.0	18.1	-7.3	3.3	4	924.0	290	15	0	10	10
11	26.4	13.2	-3.4	4.6	13	923.0	090	7	0	20	42.4	18.9	-8.3	3.0	4	923.8	270	18	0	20	11
12	23.5	14.0	4.4	8.4	29	925.5	–	0	0	10	38.4	17.6	-6.4	3.6	6	926.7	250	9	0	15	12
13	20.4	11.6	1.2	6.7	28	926.3	–	0	0	15	36.0	16.4	-8.4	3.0	5	925.5	240	12	0	20	13
14	20.6	11.5	0.5	6.3	26	923.4	–	0	0	20	36.8	16.8	-7.9	3.1	5	922.5	270	14	0	20	14
15	21.0	13.0	4.7	8.6	34	924.8	–	0	0	20	37.7	16.8	-11.1	2.4	4	924.4	270	10	0	20	15
16	24.5	13.7	2.1	7.1	23	920.3	–	0	0	3	36.8	16.5	-10.6	2.5	4	920.8	280	15	0	15	16
17	20.5	12.5	4.0	8.1	33	921.8	–	0	0	5	34.0	16.8	-1.7	5.3	10	921.7	280	12	0	4	17
18	20.4	12.0	2.5	7.3	30	920.2	–	0	0	6	35.0	17.5	-0.2	6.0	11	921.0	260	4	0	10	18
19	21.9	14.4	7.6	10.4	40	920.4	–	0	0	10	36.8	18.0	-1.1	5.6	9	920.8	270	10	0	10	19
20	23.0	16.0	10.3	12.6	45	921.5	–	0	0	15	38.0	20.0	5.4	9.0	14	921.5	260	14	0	15	20
21	24.4	16.0	9.0	11.5	38	922.0	–	0	0	20	39.5	17.7	-8.8	2.9	4	922.6	270	12	0	20	21
22	23.4	14.2	5.2	8.8	31	923.8	–	0	0	3	38.9	17.0	-13.7	1.9	3	925.0	290	18	0	10	22
23	22.5	15.0	8.4	11.1	41	924.3	–	0	0	3	36.8	17.3	-4.8	4.1	7	923.5	300	9	0	7	23
24	23.0	13.2	2.6	7.4	26	921.2	–	0	0	10	38.6	18.6	-1.4	5.5	8	921.1	270	4	0	8	24
25	23.0	14.6	6.8	9.9	35	921.0	120	2	0	10	38.4	18.9	0.2	6.2	9	921.4	250	5	1	8	25
26	24.0	16.6	10.8	13.0	43	925.1	–	0	0	10	38.0	21.0	8.7	11.3	17	925.7	210	8	0	10	26
27	24.1	16.0	9.2	11.7	39	927.0	–	0	0	14	41.5	20.8	3.8	8.0	10	926.4	330	5	1	14	27
28	28.0	15.0	1.2	6.7	18	924.3	–	0	3	15	43.2	20.5	-0.3	6.0	7	923.6	150	6	1	15	28
29	27.4	16.0	5.6	9.1	25	921.5	–	0	0	10	41.2	18.1	-11.5	2.3	3	921.0	270	10	0	14	29
30	25.6	15.0	4.8	8.6	26	918.9	–	0	0	10	38.0	17.4	-6.8	3.5	5	918.1	210	12	0	10	30
Av.	23.2	14.4	5.9	9.5	34	923.6	–	0	0	13	38.9	18.7	-2.3	5.5	8	923.5	–	10	0	15	Av.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Gach Saran

Ground Level: 709 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°20' N Long: 50°50' E.

Observations at 1830											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	Height of 850 mb AMSL at 1530 L.T.	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		
36.1	18.1	0.6	6.4	11	926.4	270	12	0	30	1418	38.6	17.1	15.6	70.2			0	Clear	1
39.0	19.2	0.8	6.5	9	926.1	300	10	0	25	1425	41.2	19.1	17.5	73.0			0	"	2
39.7	19.7	1.8	7.0	10	924.1	280	17	0	15	1412	43.5	22.0	20.5	75.0			0	"	3
39.8	19.0	-1.6	5.4	7	922.5	270	14	0	20	1397	43.4	21.8	20.6	75.0			0	"	4
41.0	19.4	-1.9	5.2	7	922.6	270	12	0	20	1400	44.0	21.0	20.0	74.0			0	"	5
38.8	19.4	2.0	7.0	10	923.0	280	12	0	20	1404	42.9	22.0	20.6	73.5			0	"	6
38.7	19.5	2.4	7.3	11	922.2	280	20	0	14	1391	42.0	23.5	22.0	74.0			0	"	7
39.0	18.6	-2.2	5.1	7	921.7	280	18	0	14	1387	41.8	22.1	21.0	73.2			0	Haze	8
38.9	17.5	-8.9	2.9	4	922.4	270	15	0	8	1395	42.8	22.4	21.0	74.4			0	"	9
38.8	17.0	-13.3	1.9	3	922.5	300	15	0	14	1398	41.4	21.0	19.0	73.2			0	"	10
39.0	17.0	-14.3	1.9	3	922.4	270	20	0	20	1392	43.5	24.3	22.0	75.0			0	Clear	11
35.5	15.7	-14.3	2.0	3	926.0	270	15	0	15	1422	39.7	22.9	22.0	72.0			0	Haze	12
35.3	16.1	-8.8	2.9	5	923.5	280	15	0	20	1398	38.4	17.6	16.5	70.2			0	Clear	13
35.6	16.4	-7.7	3.2	6	920.6	280	12	0	20	1370	38.0	19.1	18.0	71.0			0	"	14
36.9	16.4	-11.7	2.3	4	918.7	280	15	0	10	1354	39.2	19.5	19.3	71.5			0	Haze	15
33.9	15.8	-7.0	3.4	6	921.0	260	12	0	20	1380	38.3	23.4	21.7	71.0			0	"	16
33.0	15.2	-8.2	3.1	6	920.4	270	12	0	7	1370	35.8	20.0	19.0	69.0			0	"	17
34.0	17.8	2.7	7.4	14	918.7	270	12	0	10	1354	37.4	19.0	17.5	70.0			0	"	18
34.6	18.9	5.8	9.3	17	920.3	240	12	1	15	1366	38.9	20.8	20.0	70.3			0	"	19
37.8	18.0	-3.1	4.8	7	920.5	279	12	0	14	1380	40.5	22.2	21.0	72.0			0	Clear	20
37.9	16.4	-17.8	1.4	2	921.1	280	15	0	15	1390	41.3	22.4	21.0	73.0			0	"	21
35.5	16.0	-10.1	2.6	4	923.9	270	12	0	6	1407	40.0	22.5	21.7	73.0			0	Haze	22
36.4	17.0	-5.6	3.9	6	921.6	270	12	0	4	1392	39.4	20.9	20.0	73.0			0	"	23
37.0	18.3	0.0	6.1	10	919.2	260	12	0	6	1367	40.5	21.8	20.4	73.0			0	"	24
36.0	20.0	7.8	10.6	18	921.0	260	10	2	8	1376	40.0	22.0	21.0	73.0			0	"	25
37.1	18.0	-1.6	5.4	9	924.7	260	15	0	10	1407	41.0	23.0	22.5	72.2			0	"	26
41.1	18.6	-6.7	3.5	5	924.8	310	13	6	14	1417	44.1	23.2	22.6	74.8			0	Fair	27
41.5	17.9	-15.1	1.6	2	921.3	290	20	3	10	1400	45.0	27.6	26.0	76.0			0	Haze	28
38.7	17.0	-13.1	2.0	3	919.1	280	13	0	20	1381	42.4	27.0	25.2	73.9			0	"	29
36.0	17.1	-4.1	4.4	7	916.9	260	13	0	8	1340	39.7	24.6	23.0	71.4			0	"	30
37.4	17.7	-5.1	4.5	7	921.9	–	14	0	14	1390									Av.

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

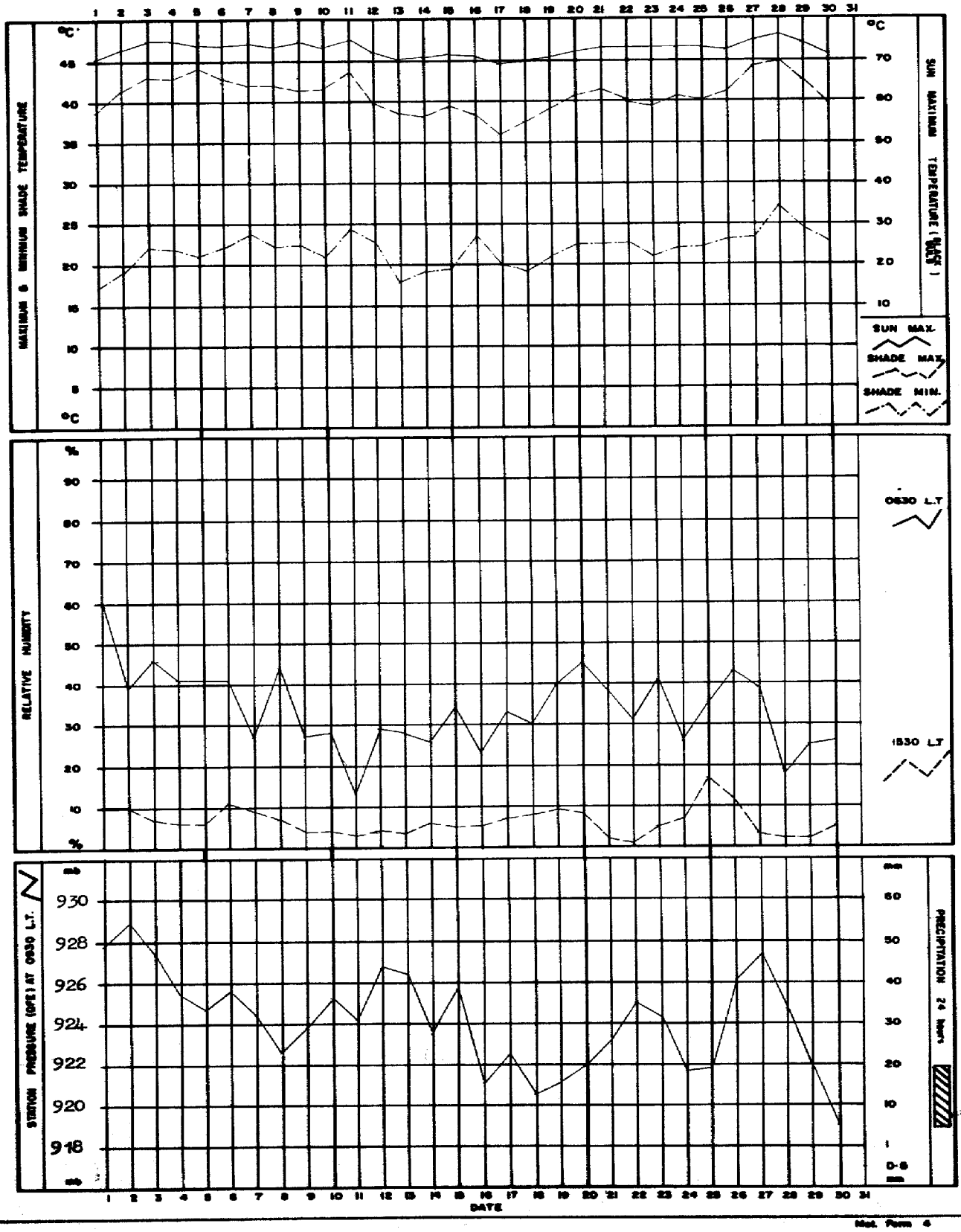
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Gach Saran	
Ground Level: 709 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°20' N.	Long: 50°50' E



Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

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	23.2	19.7	17.6	20.2	71	1006.1	–	0	0	20	40.8	20.4	3.1	7.6	10	1005.8	330	6	0	25	1
2	27.0	18.0	11.4	13.5	37	1004.9	330	4	0	20	43.8	23.8	11.4	13.5	14	1005.2	–	0	0	20	2
3	28.4*		14.3*	16.3*	42	1004.4*					43.4*		5.2*	8.9*	10	1004.8*					3
4	27.4	16.4	6.7	9.8	27	1002.9	300	10	0	20	44.6	21.0	-0.1	6.0	6	1002.4	310	14	0	20	4
5	28.3	16.3	5.4	9.1	22	1001.0	320	8	0	20	46.2	21.6	0.0	6.1	6	1001.2	340	14	0	30	5
6	26.6	17.8	11.2	13.3	39	1001.6	330	4	0	12	45.0	21.0	-1.0	5.7	6	1002.0	280	15	0	8	6
7	27.6*		12.6*	14.7*	41	1000.7*					44.1*		-1.3*	5.5*	6	1001.2*					7
8	24.4	16.3	9.8	12.1	39	999.3	300	12	0	20	45.2	20.8	-2.8	4.9	5	998.4	320	20	0	7	8
9	28.5	18.9	12.2	14.1	37	999.8	290	5	0	12	44.6	21.8	3.5	7.9	7	1000.5	280	10	0	12	9
10	25.8	17.6	11.5	13.6	40	1002.3	290	10	0	20	42.7	19.8	-3.0	4.8	6	1002.1	340	14	0	20	10
11	26.0	15.5	5.7	9.2	26	1001.3	270	6	0	20	43.2	20.4	-0.8	5.1	7	1002.0	290	10	0	20	11
12	24.0	15.6	9.0	11.5	38	1004.7	270	15	0	25	37.3	19.0	2.6	7.4	12	1005.9	290	15	0	15	12
13	22.6	16.7	12.2	14.3	52	1004.2	280	6	0	30	39.5	19.1	-0.5	5.9	8	1003.3	300	12	0	25	13
14	22.6*		9.7*	12.1*	44	1000.8*					39.5*		6.0*	9.4*	13*	999.7*					14
15	24.5	15.4	7.2	10.2	33	997.1	300	4	0	20	42.2	20.0	-1.1	5.6	7	996.3	290	14	0	20	15
16	25.2	16.7	10.0	12.3	39	997.9	270	4	0	20	38.5	20.6	7.0	10.0	15	998.7	270	16	0	30	16
17	23.5	15.4	8.3	10.9	38	999.5	250	12	0	15	37.2	19.2	3.8	8.0	13	999.3	270	20	0	20	17
18	22.3	16.6	12.2	14.2	53	997.0	–	0	0	15	38.0	21.4	9.9	12.2	18	996.3	200	4	0	30	18
19	24.0	18.4	14.6	16.6	57	996.2	060	4	0	20	41.2	21.6	6.1	10.2	13	996.6	160	12	0	25	19
20	29.8	21.9	17.5	20.0	48	997.5	100	4	0	15	41.0	24.4	15.2	17.3	22	998.6	–	0	0	20	20
21	32.1*		0.3*	6.2*	13*	998.1*					42.9*		-0.3*	6.0*	7*	1000.2*					21
22	26.5	16.4	7.8	10.6	31	1000.8	300	10	0	20	41.0	19.5	-1.3	5.5	7	1003.0	290	30	0	8	22
23	24.0	17.3	12.3	14.3	49	1001.6	270	4	0	20	40.4	20.4	3.7	8.0	10	1001.0	290	10	0	25	23
24	24.7	17.6	12.0	14.0	45	997.6	270	12	0	20	40.8	20.8	4.6	8.5	11	997.5	260	12	0	10	24
25	23.3	18.6	15.6	17.7	62	996.7	–	0	0	10	41.2	20.3	1.1	6.7	9	998.3	090	6	0	20	25
26	23.5	16.0	10.0	12.3	41	1001.1	080	4	0	20	41.0	22.3	9.6	12.0	16	1002.7	110	5	0	25	26
27	27.7	21.5	18.1	20.7	56	1003.8	300	4	0	30	44.3	22.0	4.8	8.6	10	1003.5	270	10	0	30	27
28						1001.0*										1000.2*					28
29	27.2	19.4	14.3	16.3	46	997.2	180	4	0	20	44.5	21.0	0.0	6.1	7	996.5	270	20	0	12	29
30	27.2	19.1	13.6	15.7	43	993.8	170	5	0	15	42.2	23.9	13.0	15.1	18	993.2	–	0	0	20	30
Av.	25.8	17.9	11.1	13.8	41	1000.0	–	6	0	19	41.9	21.0	3.4	8.2	10	1000.2	–	11	0	18	Av.

* Values obtained from recording instruments.

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: June Year: 1963

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		
40.2	22.0	9.4	11.9	15	1004.1	270	4	0	20		42.8	21.2	18.7	79.4			0	Clear	1
42.5	22.2	7.8	10.6	12	1003.3	300	4	0	30		45.7	24.5	22.8	81.8			0	Clear	2
40.8	19.8	2.1	7.1	9	1002.5	280	10	0	6		44.4	25.7	24.5	80.6			0	Haze	3
41.5	20.5	2.5	7.3	9	1000.3	280	10	0	20		45.4	25.0	23.3	81.1			0	Clear	4
47.2		8.1	10.7	10	999.5	270	18	0	10		47.2	25.2	24.0	81.1			0	Haze	5
42.2	20.8	2.8	7.5	9	999.8	270	15	0	15		46.2	26.0	24.2	82.2			0	"	6
39.2	20.0	3.7	8.0	11	999.6	280	18	0	20		45.6	27.0	23.7	81.6			0	Clear	7
42.0	21.3	4.9	8.7	11	998.2	270	20	0	10		46.7	23.2	22.0	81.2			0	Haze	8
40.2	20.5	4.4	8.4	12	1000.3	270	15	0	15		46.1	26.0	23.2	81.1			0	"	9
40.5	19.5	-0.4	5.9	8	1000.3	270	20	0	20		45.0	25.3	23.8	77.2			0	Clear	10
38.5	20.0	4.7	8.6	14	1001.4	270	18	0	15		44.4	24.5	22.5	77.8			0	"	11
36.5	18.4	1.2	6.7	11	1004.6	270	12	0	15		40.0	22.5	20.8	57.8			0	Haze	12
38.8	18.6	-2.1	5.2	8	1000.7	270	10	0	15		42.2	21.3	20.0	79.4			0	Clear	13
40.2	19.3	-1.1	5.5	8	998.6	270	15	0	12		43.3	21.5	20.5	79.4			0	"	14
40.0	19.8	1.6	6.9	9	995.1	270	20	0	7		44.4	23.0	21.2	77.8			0	Haze	15
36.3	19.1	4.3	8.4	14	998.4	260	20	0	8		40.0	22.6	20.2	66.7			0	"	16
37.7	19.0	1.8	7.0	10	997.1	270	8	0	30		39.4	23.0	21.7	66.7			0	Clear	17
42.0	22.5	9.2	11.7	15	994.0	–	0	0	30		42.7	20.2	19.3	76.7			0	"	18
42.0	20.9	3.3	7.8	10	995.4	270	12	0	30		44.9	22.0	21.2	78.4			0	"	19
42.3	20.6	2.6	7.4	9	997.0	270	18	0	6		45.6	22.8	21.8	80.0			0	Haze	20
38.8	19.4	1.8	7.0	10	999.9	270	24	0	6		44.7	27.5	25.7	82.8			0	"	21
37.3	20.3	7.2	10.2	16	1001.8	270	25	0	6		41.8	24.6	22.2	81.2			0	"	22
39.3	20.0	2.6	8.0	10	998.4	260	18	0	20		42.3	22.0	19.1	79.4			0	Clear	23
39.9	20.4	4.3	8.4	11	995.6	250	10	0	30		43.8	23.7	22.2	80.4			0	Haze	24
41.8	20.5	2.1	7.1	9	996.5	270	10	0	30		43.9	21.6	19.3	80.6			0	"	25
43.0	21.7	5.4	9.0	11	1001.0	–	0	0	30		43.6	22.0	20.6	80.2			0	Clear	26
42.7	22.7	9.3	11.7	13	1001.6	270	12	0	30		47.2	25.2	22.7	83.2			0	"	27
43.7	21.2	2.2	7.2	8	997.9	270	10	0	30		48.2	25.9	23.6	83.8			0	"	28
42.4	21.5	5.4	9.0	11	994.3	250	12	0	20		45.8	26.1	24.0	81.7			0	"	29
44.2	22.0	4.9	8.7	9	990.8	260	10	0	20		46.1	25.7	24.4	81.7			0	"	30
40.8	20.5	3.9	8.2	11	999.9	–	13	0	18										Avg

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

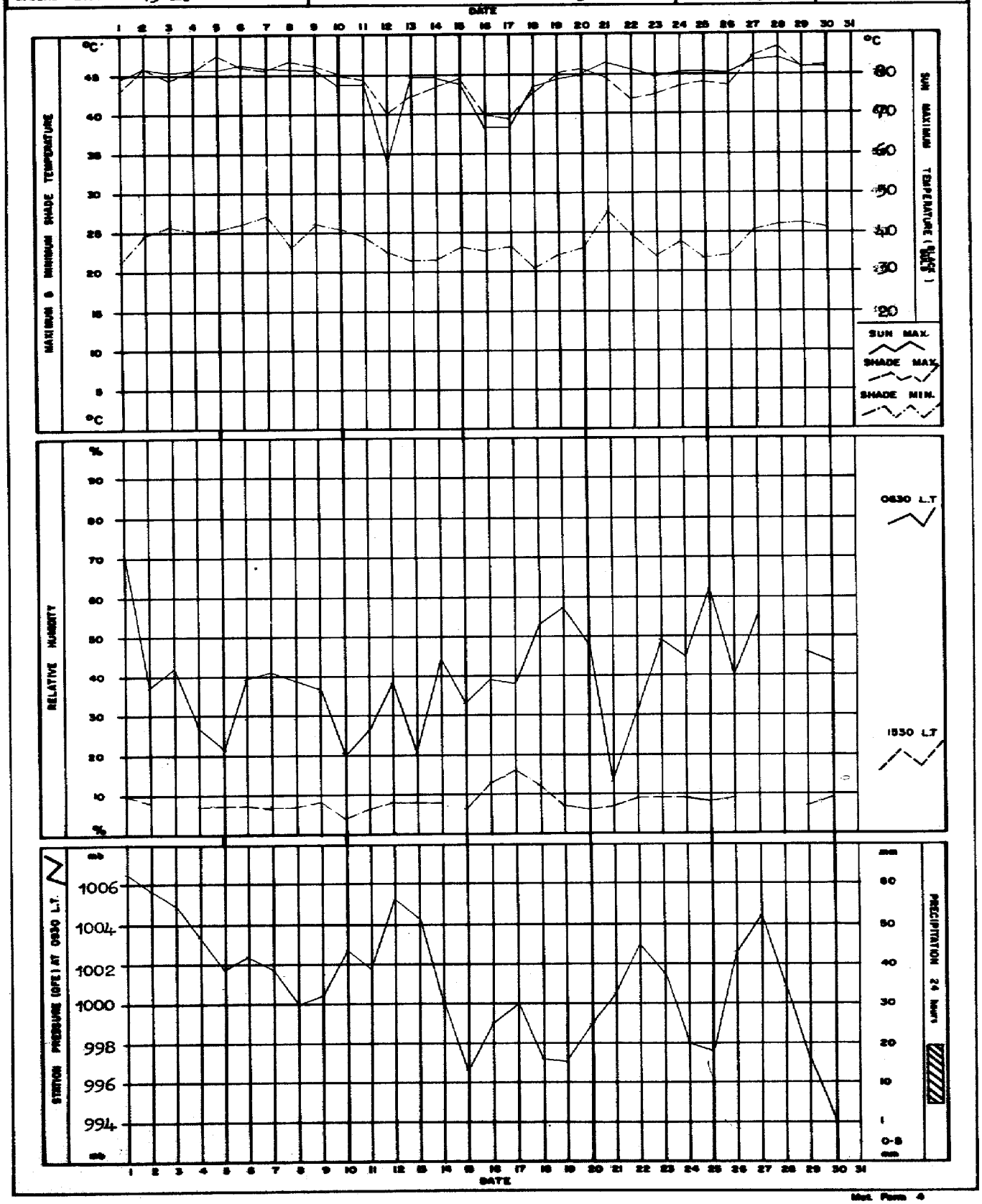
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		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: June Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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	22.0	19.7	18.4	21.2	80	1007.1	–	0	0	15	38.9	23.4	14.5	16.5	24	1007.4	340	4	0	25	1
2	27.5	21.1	17.5	20.0	54	1006.5	–	0	0	20	41.7	25.6	17.4	19.9	25	1007.0	170	4	0	12	2
3	29.1*		21.7*	26.3*	65	1006.7*					40.8*		3.2*	7.7*	10	1006.6*					3
4	27.4	23.0	20.8	24.6	67	1004.6	300	8	0	15	42.8	21.7	5.4	9.0	11	1004.4	320	20	0	20	4
5	28.4	18.8	12.0	14.0	36	1002.8	320	4	0	20	45.6	21.8	2.2	7.2	7	1003.1	310	15	0	20	5
6	30.1	19.8	12.8	14.8	35	1003.1	050	6	0	25	45.3	21.1	−0.9	5.7	6	1003.8	330	16	0	20	6
7	31.0*		18.3*	21.8*	49	1002.2*					41.9*		6.7*	9.8*	12	1003.6*					7
8	28.8	19.9	14.1	16.1	41	1001.5	270	4	0	10	43.1	22.2	7.2	10.1	12	1002.0	310	20	0	10	8
9	31.1	19.4	11.2	13.3	29	1001.2	270	6	0	10	42.6	22.3	7.9	10.7	13	1002.6	310	12	0	4	9
10	29.3	21.0	16.0	18.2	45	1004.3	310	10	0	17	42.2	21.1	4.1	8.2	10	1004.4	300	18	0	8	10
11	26.7	18.9	13.6	15.6	45	1003.0	280	2	0	20	41.9	24.4	14.7	16.7	21	1004.0	310	15	0	20	11
12	26.4	18.0	11.9	13.9	41	1006.9	310	15	0	20	35.6	18.8	4.3	8.3	14	1008.2	320	26	0	3	12
13	24.3	19.6	16.8	19.1	63	1006.9	260	6	0	20	37.2	18.5	0.6	6.4	10	1005.9	310	30	0	3	13
14	25.9*		12.4*	14.4*	43	1003.1*					39.4*		7.1*	10.1*	14	1002.4*					14
15	25.4	18.8	14.4	16.5	51	998.5	270	6	0	10	41.3	20.0	0.6	6.4	8	998.8	280	22	0	12	15
16	28.1	20.2	15.2	17.4	46	999.9	300	4	0	30	36.6	20.0	7.1	10.1	16	1001.6	310	8	0	25	16
17	23.6	16.4	10.8	12.9	44	1002.2	280	4	0	20	36.1	18.0	0.0	6.1	10	1002.5	310	12	0	10	17
18	24.4	15.4	7.4	10.3	34	999.0	280	4	0	12	35.6	21.0	11.1	13.2	23	998.6	280	6	0	25	18
19	25.4	17.4	11.4	13.5	42	997.8	300	2	0	10	39.8	21.1	7.0	10.1	14	998.8	270	4	0	25	19
20	25.9	17.4	10.9	13.1	39	999.1	–	0	0	20	42.4	22.2	7.8	10.6	13	1000.2	270	2	0	20	20
21	30.9*		13.5*	15.5*	35	1002.3*					41.9*		2.3*	7.3*	9	1003.2*					21
22	28.6	19.6	13.7	15.6	40	1003.5	320	8	0	20	39.6	21.2	7.8	10.6	15	1005.7	320	25	0	6	22
23	28.4	19.4	13.4	15.4	40	1003.9	280	6	0	15	39.0	19.8	3.2	7.7	11	1003.2	310	30	0	6	23
24	28.6	19.2	12.7	14.7	38	1000.1	320	10	0	10	37.4	20.6	8.2	10.9	17	1000.1	320	18	0	10	24
25	26.2	15.9	6.8	9.9	29	998.7	280	6	0	20	40.2	20.4	4.0	8.2	11	999.8	270	2	0	25	25
26	26.4	19.7	15.4	17.6	51	1002.0	–	0	0	20	40.6	22.4	10.2	12.5	16	1003.9	–	0	0	15	26
27	26.9	20.1	15.9	18.1	51	1005.0	–	0	0	12	43.6	21.0	1.6	6.9	8	1005.0	300	4	0	20	27
28	33.6*		9.0*	11.5*	22	1002.5*					45.4*		9.5*	11.9*	12	1002.3*					28
29	32.2	20.0	11.6	13.7	29	999.3	290	4	0	15	42.4	22.4	8.7	11.3	14	999.4	300	14	0	20	29
30	29.3	18.0	9.2	11.6	28	995.6	–	0	0	12	42.0	22.6	9.6	11.9	14	995.0	290	10	0	20	30
Avs.	27.7	19.3	13.6	16.0	44	1002.3	–	4	0	16	40.7	21.3	6.4	10.1	13	1002.7	–	15	0	15	Avs.

* Values obtained from recording instruments.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Abadan

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°22' N Long: 48°13' 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		
40.6	22.3	10.1	12.3	16	1005.7	340	6	0	30		42.2	22.0					0	Clear	1
43.3	25.6	16.3	18.5	21	1004.3	310	4	0	15		45.1	26.7					0	Haze	2
40.0	21.6	8.2	11.3	16	1004.2	300	20	0	8		43.3	27.8					0	Duststo.	3
40.6	21.0	5.9	9.3	12	1002.6	320	12	0	20		44.7	27.3					0	Clear	4
42.7	21.3	4.0	8.2	10	1002.1	310	12	0	30		47.2	28.0					0	"	5
42.2	21.1	4.1	8.2	10	1002.2	270	8	0	20		46.5	29.4					0	"	6
39.2	21.1	7.8	10.6	15	1002.3	300	12	x	1		43.9	28.9					0	Duststo.	7
41.1	22.2	9.3	11.7	15	1001.3	310	10	0	7		45.1	28.6					0	Haze	8
39.9	21.6	8.6	11.2	15	1002.6	310	12	0	8		44.9	29.5					0	"	9
39.6	21.8	9.5	11.9	17	1002.8	300	12	0	8		42.8	28.0					0	"	10
37.6	20.8	8.6	11.2	17	1004.0	320	20	0	6		43.3	25.3					0	"	11
35.0	18.8	4.9	8.8	16	1007.2	320	16	0	5		37.6	15.4					0	"	12
35.8	19.9	7.7	10.5	18	1003.6	310	15	0	3		38.6	23.8					0	"	13
38.3	19.5	3.2	7.7	11	999.9	310	6	0	30		40.4	24.1					0	Clear	14
39.0	20.6	6.3	9.6	14	998.0	290	12	0	40		43.5	24.1					0	Haze	15
35.0	20.0	8.8	11.4	20	1001.3	280	12	0	5		39.3	27.1					0	"	16
34.4	19.6	8.3	11.0	20	999.8	300	15	0	0.8		38.0	23.2					0	Duststo.	17
37.8	20.2	6.3	9.6	15	996.6	300	6	0	10		40.0	24.0					0	Haze	18
42.1	20.4	1.1	6.7	8	997.5	–	0	0	40		44.3	24.6					0	"	19
41.6	20.8	3.6	7.9	10	999.1	320	8	0	20		45.8	25.4					0	Clear	20
37.6	19.8	5.2	8.9	14	1002.5	310	15	0	10		44.1	29.5					0	Haze	21
37.0	21.4	10.8	13.0	21	1004.6	270	10	0	5		41.0	28.0					0	"	22
38.0	20.2	6.1	9.5	14	1001.2	300	10	0	6		41.0	27.6					0	"	23
37.4	20.8	8.7	11.3	18	998.0	280	15	0	1		40.7	26.5					0	Duststo.	24
41.0	19.2	-2.8	4.9	6	998.4	310	6	0	30		42.7	25.5					0	Clear	25
42.0	23.0	10.7	12.9	16	1002.5	–	0	0	20		43.6	24.5					0	"	26
42.2	21.0	3.6	7.9	10	1003.0	320	15	0	15		47.0	25.8					0	"	27
44.2	20.0	-5.0	4.0	4	999.9	340	15	0	15		47.0	31.5					0	Clear	28
40.8	20.8	4.6	8.5	11	996.8	300	10	0	3		44.2	31.4					0	Haze	29
42.8	21.4	4.4	8.4	10	993.0	–	0	0	25		45.4	27.4					0	Clear	30
39.3	20.9	6.3	9.9	14	1001.2	–	10	0	14										Av.

CODE FOR REMARKS (Continued)

Duststo.: Dustorm. Vis. ≤ 1km

Fog: Visibility ≤ 1km

Drizzle: Raindrop diameter ≤ 0·5 mm

Rain: Rain not falling as showers

Snow: Snowfall

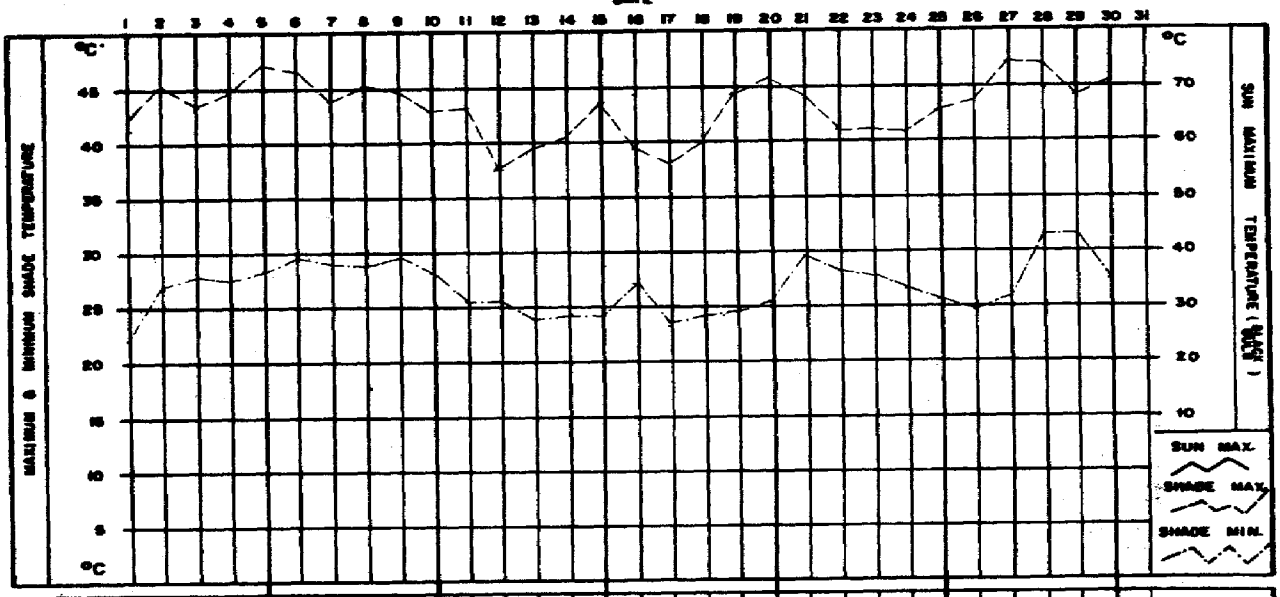
Rainsh.: Rain falling as showers

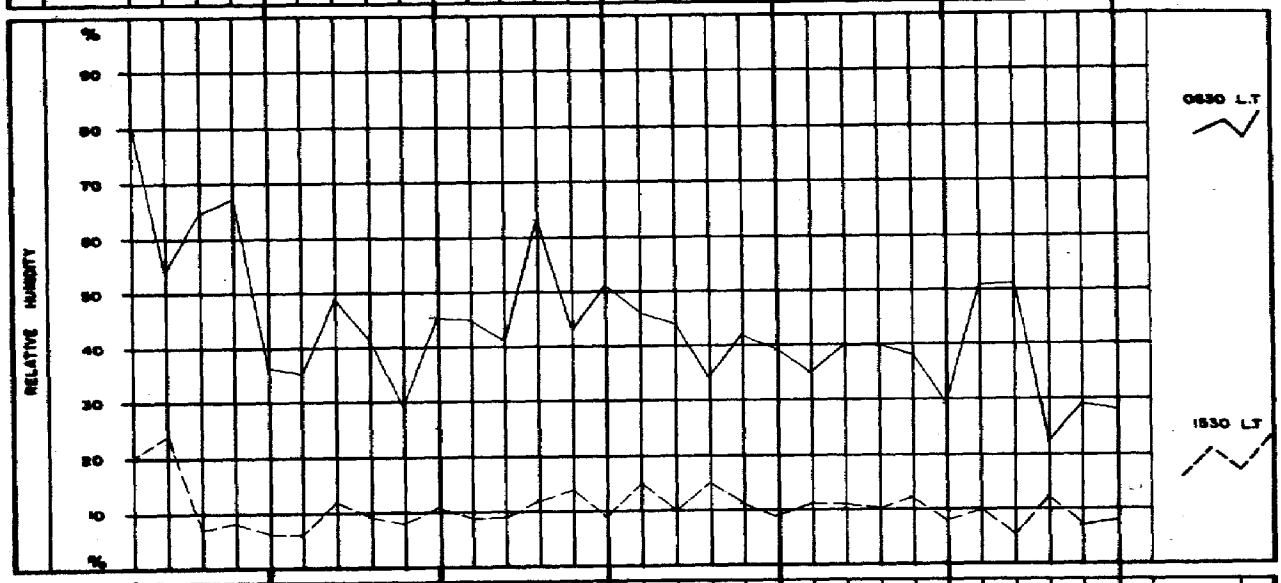
Hail: Solid precipitation

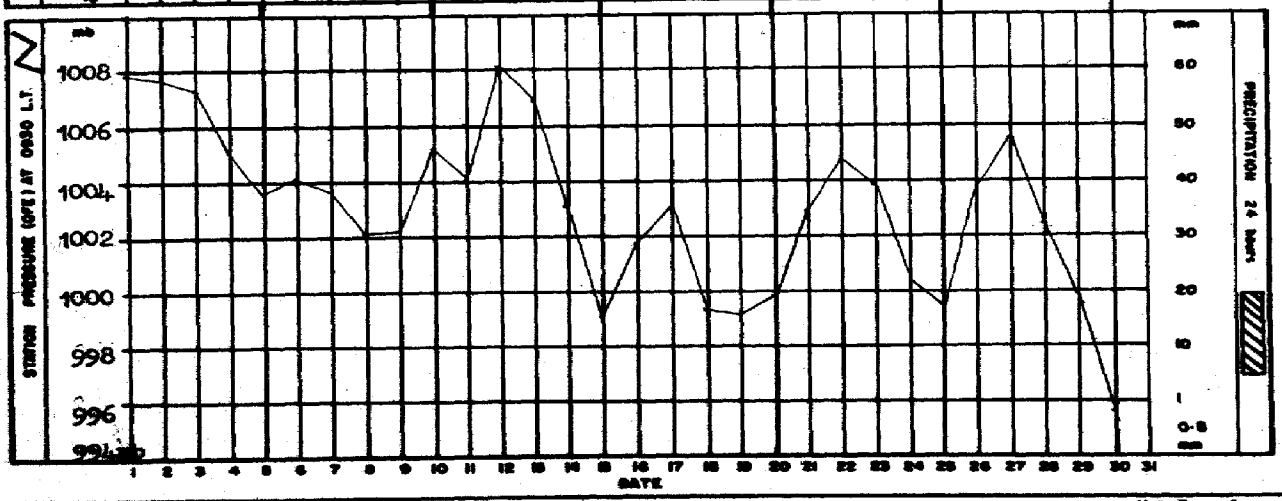
Th. storm: Thunderstorm at or near the station

Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: July	Year: 1963
		Station: Abadan	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°22' N.	Long: 48°13' E







Met. Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. | Local Time: G.M.T. + 3½ hrs | Lat: 30°30' N | Long: 49°12' 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	24.5	18.4	14.3	16.3	53	1006.7	360	8	0	25	41.2	21.7	7.5	10.4	13	1006.5	350	10	0	30	1
2	29.0	18.5	10.7	12.9	32	1005.6	350	5	0	30	41.0	24.0	14.2	16.2	21	1006.1	210	7	0	30	2
3	27.6	19.0	13.1	15.1	41	1004.6	350	12	0	25	42.9*		9.7*	12.0*	14*	1006.5*	360*	12*			3
4	26.8	17.0	9.1	11.5	33	1003.3	350	10	0	20	44.2	21.2	1.4	6.8	7	1002.9	350	20	0	20	4
5	27.8	17.6	9.6	12.0	32	1001.7	350	10	0	30	45.8	23.0	6.8	9.9	10	1002.1	350	15	0	30	5
6	29.0	17.2	7.2	10.2	26	1002.3	340	10	0	30	44.2	22.2	5.6	9.1	10	1002.9	340	18	0	20	6
7	30.2	18.5	9.6	11.9	28	1001.4	340	6	0	30	43.8	23.0	9.0	11.5	13	1001.8	340	10	0	30	7
8	25.0	19.0	15.1	17.2	54	1000.2	290	7	0	18	42.2	22.6	8.1	10.8	13	1000.6	330	20	0	25	8
9	28.2	18.7	12.0	14.0	37	1000.6	340	6	0	15	42.8	23.4	11.2	13.3	16	1001.6	310	12	0	20	9
10	26.4	19.6	15.3	17.4	51	1003.7	340	9	0	20	41.4	20.5	2.8	7.3	9	1003.0	360	15	0	20	10
11	26.8	17.2	9.6	12.0	34	1002.6	340	8	0	30	43.8	22.9	8.6	11.2	12	1002.5	340	18	0	30	11
12	24.7	17.0	11.1	13.2	42	1005.8	340	15	0	25	37.0*		4.3*	8.3*	13*	1006.5*	330*	22*			12
13	23.2	18.3	15.1	17.1	60	1006.0	290	5	0	20	38.8	20.2	5.1	8.8	13	1004.8	320	11	0	20	13
14	25.2	19.6	16.1	18.3	57	1001.7	320	10	0	20	40.6*		4.4*	8.4*	11*	1001.9*	330*	12*			14
15	25.7	18.6	13.8	15.8	48	997.3	320	6	0	20	42.5	21.0	1.8	7.0	8	997.3	320	13	0	25	15
16	26.4	19.5	15.1	17.2	50	999.0	310	7	0	20	39.2	19.5	1.7	6.9	10	1000.3	310	20	0	25	16
17	24.5	17.6	12.6	14.6	47	1001.6	320	4	0	15	37.4	19.0	2.4	7.3	11	1000.9	300	11	0	20	17
18	24.6	20.2	17.7	20.2	66	998.7	280	3	0	15	34.0	22.6	16.1	18.4	35	998.2	170	2	0	15	18
19	26.0	24.0	23.1	28.2	84	997.8	170	4	0	15	36.0	27.5	24.1	29.9	51	998.7	180	6	0	20	19
20	27.7	26.4	25.9	33.4	90	998.9	180	5	0	15	35.0	27.5	24.5	30.7	55	1000.0	190	4	0	20	20
21	28.0	18.4	11.4	13.5	36	1000.6	320	6	0	20	41.9	20.5	1.9	7.0	9	1001.4	340	28	0	2	21
22	26.3	18.0	12.0	14.0	42	1002.7	330	6	0	30	39.6	22.4	11.2	13.3	18	1004.1	340	24	0	7	22
23	24.0	21.0	19.3	22.5	75	1002.8	290	6	0	17	39.0	22.0	10.6	12.8	18	1002.5	340	12	0	20	23
24	24.0	20.0	17.6	20.2	68	999.0	310	7	0	5	38.0*		13.1*	15.2*	23*	999.3*	310*	8*			24
25	24.9	21.6	19.9	23.3	74	998.3	300	4	0	14	35.2	25.6	21.2	25.2	44	999.9	220	5	0	25	25
26	27.3	25.2	24.3	30.4	84	1002.5	170	6	0	18	36.6*		19.5*	22.7*	37*	1004.3*	240*	2*			26
27	28.7	19.2	12.7	14.7	37	1004.5	360	6	0	18	44.8	22.5	6.1	9.4	10	1004.2	320	4	0	25	27
28	29.0	19.5	13.1	15.1	38	1001.7	360	3	0	15	46.0	22.6	5.0	8.7	9	1000.5	340	16	0	20	28
29	28.3	23.4	21.0	24.9	65	999.0	–	0	0	20	44.8	22.8	7.2	10.2	11	998.3	290	11	0	20	29
30	31.2	23.8	20.1	23.6	52	995.3	230	2	0	5	40.8	25.0	14.4	16.4	21	995.0	–	0	0	20	30
Avg.	26.7	18.9	14.9	17.7	51	1001.5	–	7	0	20	40.7	22.6	9.1	12.8	18	1001.8	–	12	0	21	Avg.

* Values obtained from recording instruments.

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: June Year: 1963

Station: Bandar Mashur

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 30°30' N Long: 49°12' 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		
39.5	21.7	9.3	11.7	16	1004.8	350	9	0	30		42.4	23.4	22.9	75.1	330	28	0	Clear	1
42.5	23.0	10.3	12.5	15	1004.1	340	8	0	30		45.7	27.8	26.5	78.7	330	19	0	"	2
41.3	20.1	1.1	6.6	8	1002.6	340	24	0	30		45.1	26.7	26.3	76.5	330	34	0	Haze	3
42.0	20.6	2.2	7.2	9	1001.1	340	10	0	30		44.9	26.0	25.6	76.5	330	36	0	Clear	4
41.8	22.7	10.1	12.3	15	1000.4	310	14	0	30		47.0	26.5	25.6	79.3	350	32	0	"	5
42.2	22.6	9.3	11.7	13	1000.8	320	8	0	30		46.0	27.2	26.6	78.6	320	34	0	"	6
37.2	22.0	12.3	14.3	23	1000.3	300	15	0	8		44.9	28.7	27.3	77.8	310	32	0	Haze	7
39.8	21.7	9.0	11.5	16	999.5	310	18	0	5		44.7	24.2	23.7	77.1	340	42	0	"	8
37.4	23.0	14.6	16.6	26	1001.3	310	18	0	20		44.8	27.7	27.3	76.8	310	33	0	Clear	9
38.7	21.2	8.6	11.2	16	1001.5	320	14	0	7		43.8	25.4	25.0	76.3	310	30	0	Haze	10
38.0	21.2	9.3	11.8	18	1002.2	320	18	0	10		44.2	26.1	24.6	77.1	320	40	0	"	11
35.5	20.0	8.3	11.0	19	1005.9	300	17	0	17		39.2	23.8	22.4	71.3	310	32	0	Clear	12
37.5*		8.3*	11.0*	17*	1003.4*	300*	19*				41.5	22.9	22.0	75.5	300	25	0	"	13
38.0	21.0	8.8	11.3	17	998.3	300	15	0	20		42.6	23.2	.	76.6	310	26	0	"	14
40.2	21.1	6.6	9.8	13	996.6	300	20	0	15		44.2	23.7	23.0	77.2	310	36	0	"	15
36.1	20.5	9.2	11.7	18	1000.0	310	15	0	15		40.2	25.2	24.6	72.8	310	30	0	"	16
36.4	20.0	7.3	10.3	17	998.6	300	8	0	15		38.9	23.9	23.0	72.9	310	27	0	"	17
33.4	27.0	24.4	30.5	59	995.6	190	5	0	20		39.0	22.9	22.1	73.0	160	17	0	"	18
34.0	25.8	22.2	26.7	50	997.2	190	8	0	20		38.3	24.3	24.0	71.6	180	17	0	"	19
36.4	27.7	24.2	30.2	50	998.2	290	7	0	20		39.3	26.4	26.1	70.3	310	20	0	"	20
37.0	21.0	9.7	12.1	19	1000.6	330	20	0	6		43.0	25.7	25.1	73.8	320	45	0	Haze	21
34.4	21.4	13.1	15.1	28	1003.2	300	20	0	8		40.3	25.2	24.2	73.1	310	40	0	"	22
35.0	22.8	15.9	18.0	32	999.8	310	12	0	15		41.1	23.7	23.2	72.6	300	27	0	Clear	23
35.8	24.6	19.3	22.4	38	996.8	300	10	0	20		41.4	23.3		74.6	300	22	0	Haze	24
34.0	25.8	22.2	26.7	50	998.3	220	5	0	25		40.0	24.3	23.5	72.3	180	17	0	Clear	25
35.0	26.4	22.7	27.5	49	1002.9	200	8	0	20		40.3	26.8	26.1	73.1	110	11	0	"	26
41.6	24.6	15.3	17.4	22	1001.7	330	7	0	25		46.7	27.4	26.0	78.3	360	18	0	"	27
43.6	22.4	7.1	10.1	11	998.5	340	14	0	20		48.8	28.6	26.9	79.7	330	26	0	"	28
40.5	23.4	13.1	15.1	20	996.2	310	15	0	25		45.5	27.3	26.0	77.0	280	26	0	"	29
38.7	25.5	19.1	22.1	32	992.8	270	8	0	25		44.3	29.4	28.7	75.6	200	13	0	Haze	30
38.1	22.7	12.4	15.5	25	1000.1	–	13	0	19										Av.

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

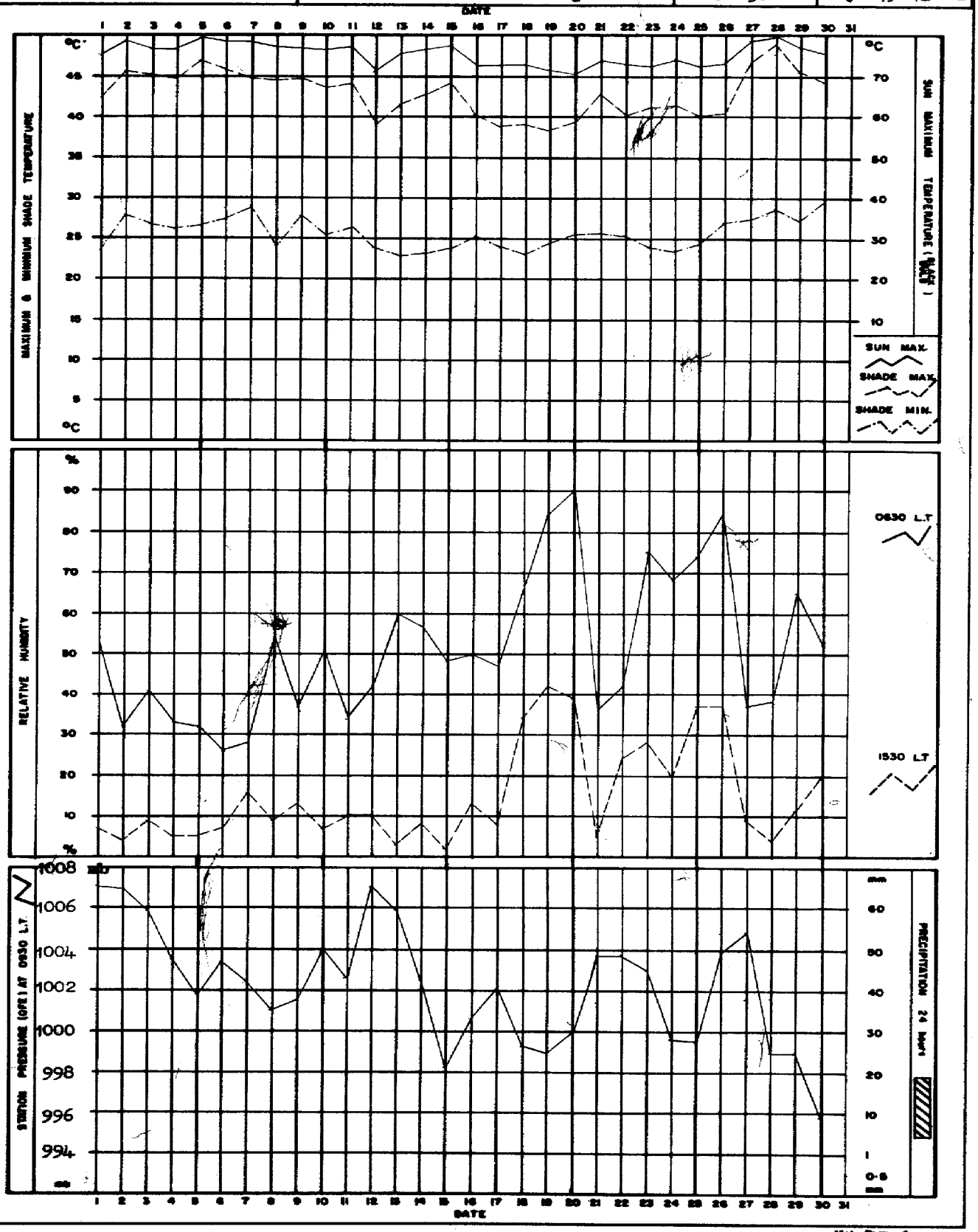
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th.storm: Thunderstorm at or near the station

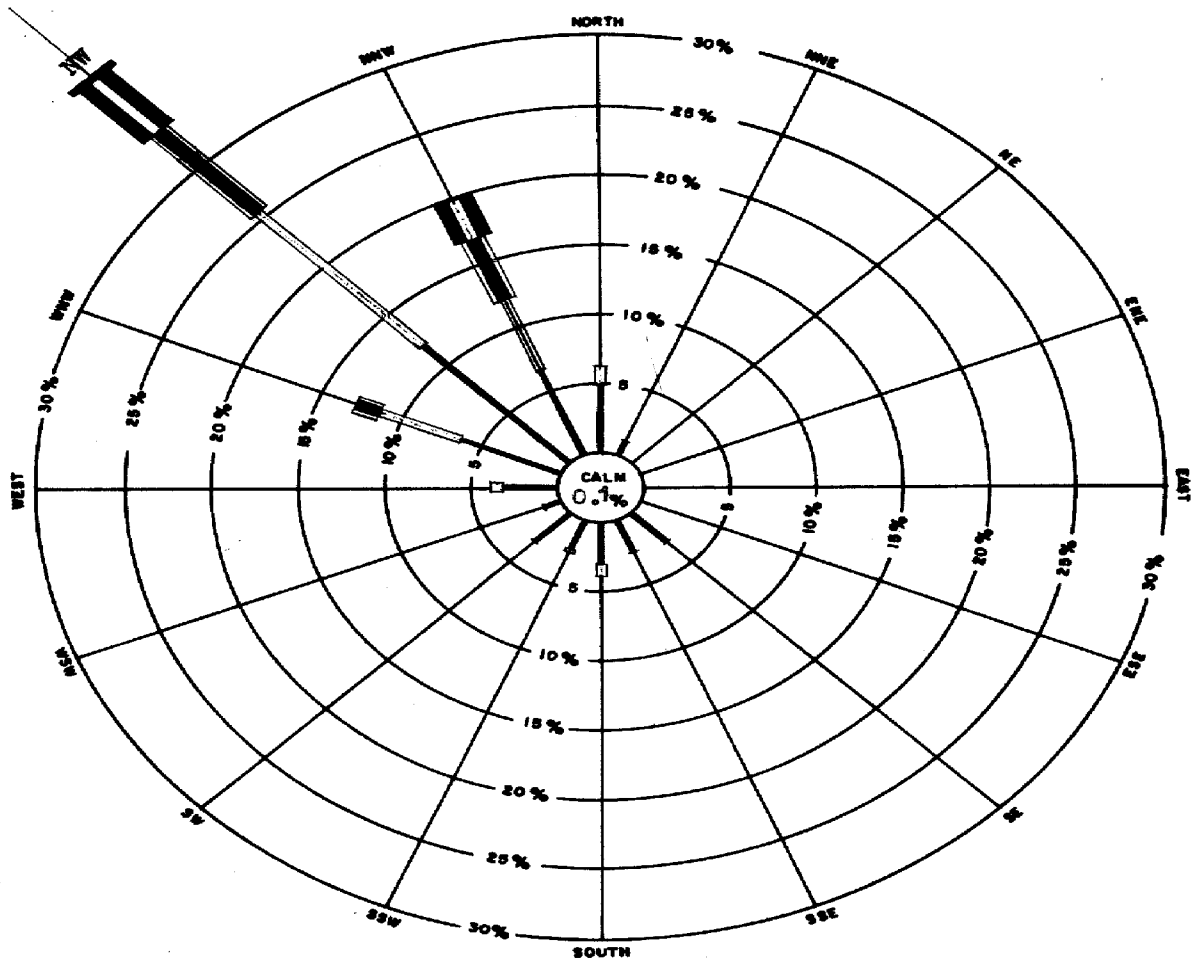
Met. Form 3a

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30° 30' N.	Long: 49° 12' E



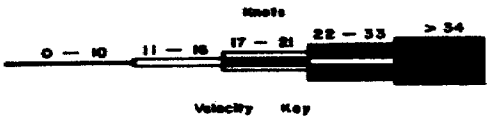
Met. Form 4

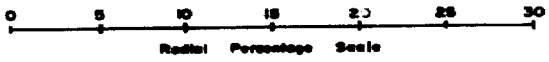
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Bandar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Hours in month 720

Hours recorded 720





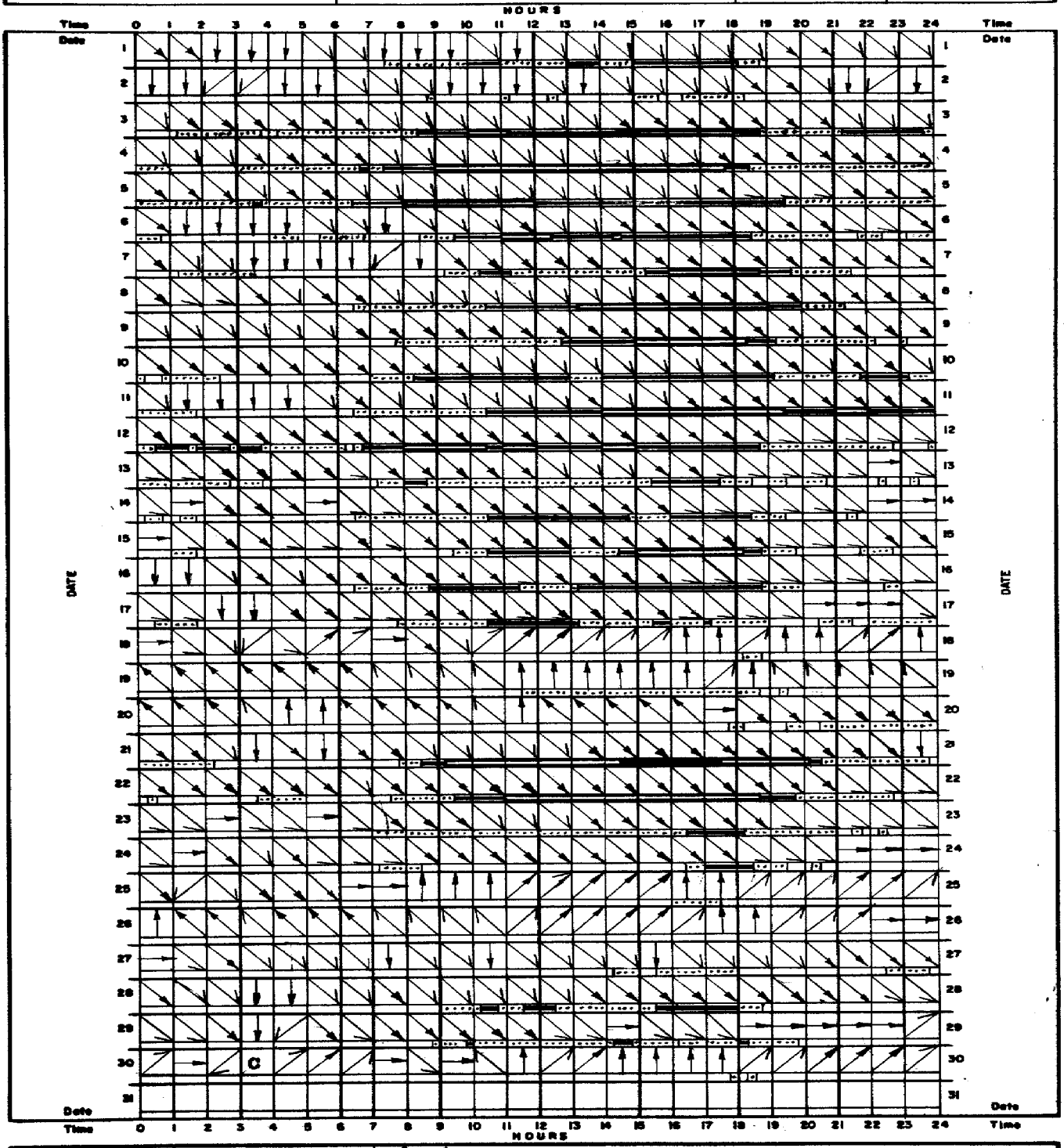
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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:

Met. Form 5

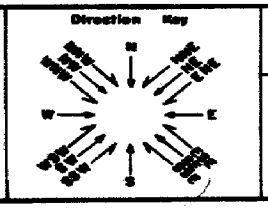
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: June	Year: 1963
	DINES ANEMOGRAPH	Station: Bendar Mashur	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°33' N.	Long: 49°09' E



Velocity Key

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

Direction Key



S 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 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29° 16' 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	26.6	23.0	21.2	25.2	73	1006.1	360	7	0	25	33.4	22.8	16.9	19.3	37	1005.9	300	10	0	25	1
2	26.6	25.6	25.1	31.9	92	1005.0	–	0	0	20	34.0	24.8	20.4	24.0	45	1005.9	300	6	0	20	2
3	28.0	24.2	22.4	27.2	72	1003.8	040	2	0	20	35.0	25.0	20.2	23.7	42	1003.5	320	20	0	20	3
4	29.0	23.6	21.0	24.9	62	1001.5	320	10	0	20	37.0	23.6	16.2	18.5	29	1001.1	320	17	0	2	4
5	29.6	23.0	19.6	22.8	55	1000.0	300	13	0	15	35.6	23.2	16.3	18.5	32	1000.7	310	16	0	20	5
6	29.8	22.8	19.1	22.1	53	1001.0	340	10	0	20	39.6	23.0	12.8	14.8	21	1001.7	330	20	0	10	6
7	29.0	24.4	22.2	26.9	67	1000.4	320	10	0	15	36.0	25.0	19.7	22.9	39	1000.9	300	16	0	20	7
8	28.6	23.4	20.8	24.6	63	999.6	320	12	0	20	33.8	23.8	18.7	21.5	41	1000.2	320	10	0	20	8
9	29.4	24.0	21.4	25.5	62	999.6	340	4	0	10	36.0	25.2	20.1	23.5	40	1000.3	300	20	0	12	9
10	29.0	23.6	21.0	24.9	62	1001.9	330	12	0	10	34.0	24.0	18.9	21.9	44	1001.6	320	18	0	15	10
11	29.2	24.0	21.6	25.7	63	1000.0	360	8	0	20	38.0	24.0	16.4	18.7	28	1000.0	300	18	0	20	11
12	28.0	21.0	16.9	19.3	51	1003.9	330	18	0	20	31.0	22.8	18.4	21.2	47	1006.0	320	18	0	20	12
13	27.0	22.0	19.3	22.5	63	1005.6	340	10	0	20	30.8	23.0	18.8	21.7	49	1005.1	340	10	0	20	13
14	27.0	24.0	22.6	27.4	77	1002.3	320	6	0	20	31.4	23.0	18.6	21.4	47	1002.1	300	6	0	20	14
15	27.0	23.6	22.0	26.4	73	998.1	360	2	0	10	33.0	25.2	21.6	25.8	52	997.9	300	19	0	15	15
16	28.8	24.6	22.7	27.7	70	997.9	360	5	0	20	33.2	23.4	18.2	21.0	41	1000.0	320	15	0	20	16
17	27.8	22.4	19.6	22.8	61	1001.2	360	8	0	8	31.2	23.0	18.7	21.5	48	1001.3	300	15	0	15	17
18	27.2	23.6	21.8	26.1	72	999.0	320	5	0	10	32.4	23.0	17.9	20.6	42	999.1	300	4	0	10	18
19	26.0	25.0	24.6	30.9	92	998.6	–	0	0	10	31.8	27.0	25.1	31.8	68	998.8	180	12	0	15	19
20	25.2	25.0	24.9	31.5	98	999.5	–	0	0	0.5	34.0	25.0	20.7	24.5	46	999.8	180	5	0	20	20
21	29.0	25.0	23.8	28.5	71	999.4	030	6	0	15	37.0	22.0	12.4	14.5	23	1000.7	300	12	0	15	21
22	29.0	22.8	19.6	22.9	57	1001.9	320	12	0	20	33.4	23.4	18.1	20.8	40	1003.5	320	10	0	20	22
23	28.2	24.2	22.3	27.0	71	1002.3	320	10	0	8	32.0	24.2	20.3	23.9	50	1002.0	300	15	0	15	23
24	27.6	24.8	23.6	29.1	79	999.2	300	5	0	10	32.6	24.6	20.8	24.6	50	999.7	300	6	0	10	24
25	27.2	22.0	19.2	22.3	62	998.8	–	0	0	4	33.6	26.0	22.7	27.5	53	999.5	270	5	0	4	25
26	27.2	26.8	26.6	34.9	96	1002.8	–	0	0	3	36.6	22.4	13.7	15.7	25	1003.1	–	0	0	10	26
27	30.2	20.6	14.6	16.6	39	1003.9	030	4	0	12	38.2	21.0	8.6	11.2	17	1003.7	320	12	0	15	27
28	29.6	26.0	24.5	30.8	75	1000.5	360	5	0	14	38.4	24.0	16.1	18.4	27	999.7	300	10	0	15	28
29	31.6	25.2	22.3	27.0	58	998.3	340	10	0	20	36.0	25.0	19.6	22.9	38	998.3	300	12	0	20	29
30	29.0	23.4	20.6	24.3	61	996.6	–	0	0	8	38.4	25.6	19.3	22.5	33	995.7	220	5	0	15	30
Av.	28.2	23.8	21.5	26.0	68	1000.9	–	6	0	14	34.6	17.3	18.2	21.3	40	1001.7	–	12	0	16	Av.

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 3c

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

Station: Kharg Island

Ground Level: 3 m. A.M.S.L. Local Time: G.M.T. + 3½ hrs Lat: 29° 16' 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		
31.6	22.6	17.7	20.2	43	1004.5	280	6	0	25		34.2	26.0	24.2	65.2	320	16	0	Clear	1
36.2	22.2	13.6	15.5	30	1003.2	300	12	0	25		37.8	24.4	19.4	66.4	320	20	0	"	2
34.2	24.0	18.8	21.7	40	1001.2	320	16	0	10		38.2	26.0	23.7	68.4	320	26	0	Haze	3
34.4	24.2	19.1	22.1	41	999.7	320	14	0	5		38.4	28.4	24.6	69.2	340	22	0	"	4
38.4	22.4	12.6	14.6	21	999.1	300	19	0	20		40.2	28.4	27.0	71.0	340	22	0	Clear	5
36.4	23.6	16.6	18.9	31	999.9	320	16	0	15		41.6	29.4	24.4	71.2	330	23	0	Haze	6
36.6	23.0	15.2	17.2	28	999.5	330	12	0	20		39.4	28.4	26.8	71.4	320	30	0	Clear	7
36.8	23.8	16.8	19.1	31	999.2	300	20	0	15		39.2	28.0	26.8	66.6	320	23	0	"	8
38.2	21.6	10.3	12.5	19	999.7	310	15	0	15		41.0	28.0	26.4	69.0	320	24	0	Haze	9
35.0	23.2	16.7	19.1	33	999.2	310	20	0	15		38.2	28.3	27.2	66.2	340	26	0	"	10
35.0	23.8	17.9	20.6	37	1000.1	320	16	0	20		40.2	27.6	26.4	70.0	330	22	0	Clear	11
31.8	22.0	16.3	18.6	40	1004.5	300	16	0	20		35.0	27.5	27.0	66.4	360	33	0	"	12
32.0	23.0	18.2	20.9	44	1002.0	320	8	0	20		33.4	26.5	22.7	66.0	320	18	0	"	13
31.6	24.6	21.3	25.4	55	998.8	280	6	0	20		35.0	26.0	21.0	66.0	300	19	0	"	14
34.0	22.6	16.1	18.3	35	996.9	280	8	0	20		37.0	25.8	20.4	66.0	300	20	0	Haze	15
32.4	23.0	17.9	20.6	43	999.4	280	10	0	25		36.2	27.4	20.4	66.6	320	25	0	Clear	16
30.6	23.0	19.1	22.1	51	999.5	300	10	0	20		34.0	27.0	22.2	68.0	300	20	0	Haze	17
31.4	22.0	16.7	19.0	41	997.5	270	4	0	15		33.4	25.4	21.4	65.4	290	8	0	"	18
30.4	26.0	24.1	30.1	69	998.0	200	8	0	15		34.0	24.4	20.6	66.0	140	11	0	Mist	19
31.4	26.6	24.6	31.0	67	998.5	250	8	0	20		35.0	24.6	21.6	66.0	280	8	0	Fog	20
35.6	23.6	17.2	19.6	34	999.1	320	18	0	5		38.2	27.0	23.8	70.0	330	26	0	Haze	21
34.0	23.0	16.9	19.3	36	1002.7	300	15	0	5		37.6	28.6	26.0	67.0	340	23	0	"	22
33.0	23.6	18.7	21.6	43	999.8	320	10	0	20		35.0	27.6	25.4	66.0	310	20	0	"	23
32.4	25.0	21.6	25.8	53	997.3	270	6	0	15		34.4	27.0	24.8	66.0	340	10	0	"	24
29.6	27.0	25.9	33.6	81	999.3	100	8	0	10		34.8	26.6	23.6	66.0	300	13	0	"	25
32.4	25.4	22.2	26.8	55	1002.7	300	15	0	10		38.0	24.4	22.8	66.8	300	13	0	Fog	26
36.6	23.2	15.5	17.7	29	1001.5	300	15	0	15		40.0	26.6	23.7	67.5	290	18	0	Clear	27
37.8	25.0	18.6	21.4	32	997.5	300	20	0	15		41.6	22.0	26.0	69.0	330	22	0	"	28
36.2	24.8	19.1	22.1	37	996.7	300	12	0	20		39.0	29.8	28.0	64.5	290	18	0	"	29
36.0	25.4	20.4	24.0	41	993.6	–	0	0	15		40.3	28.5	26.0	68.8	250	12	0	Haze	30
34.1	23.8	18.2	21.3	41	999.7	–	12	0	16										Avr.

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

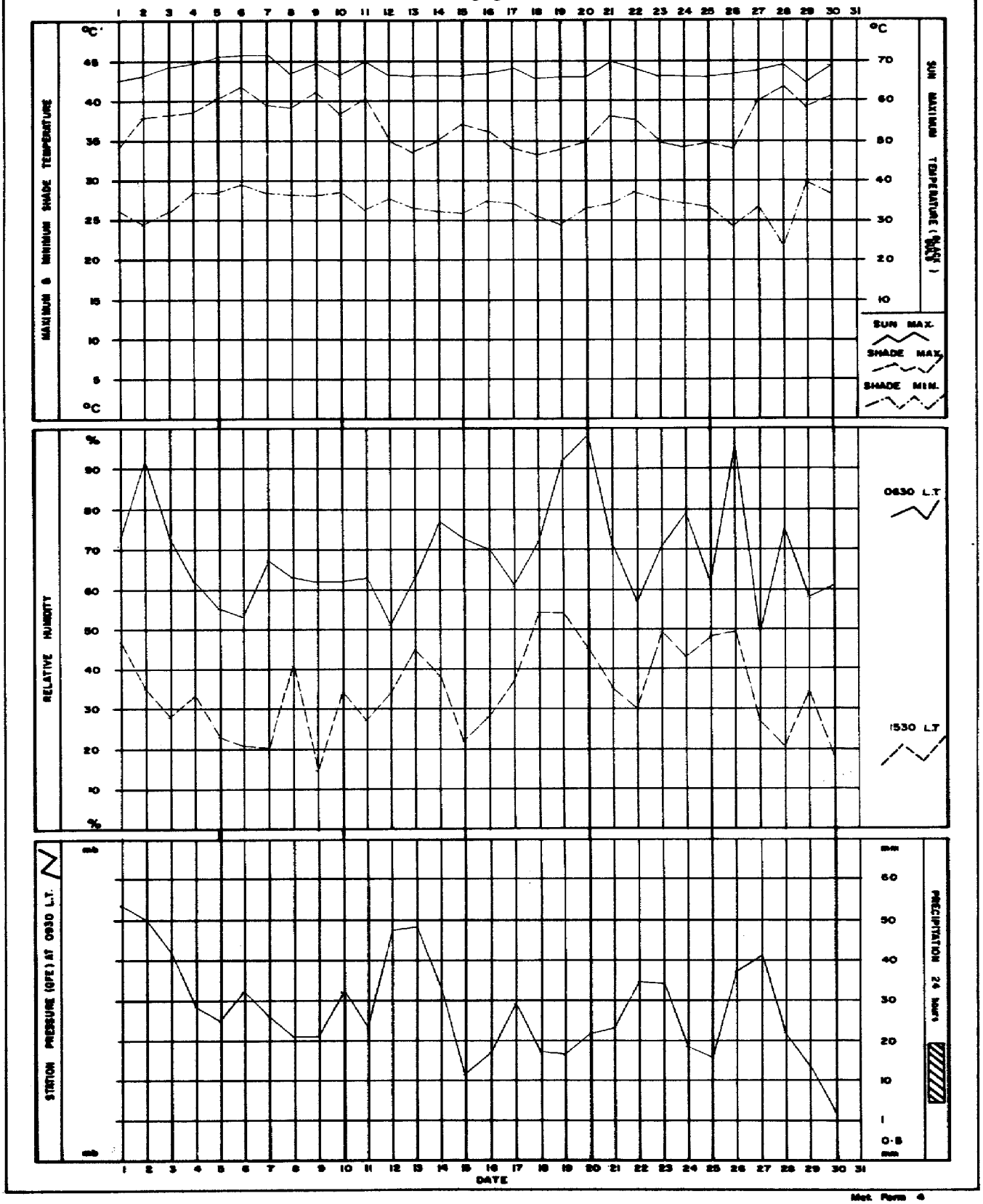
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

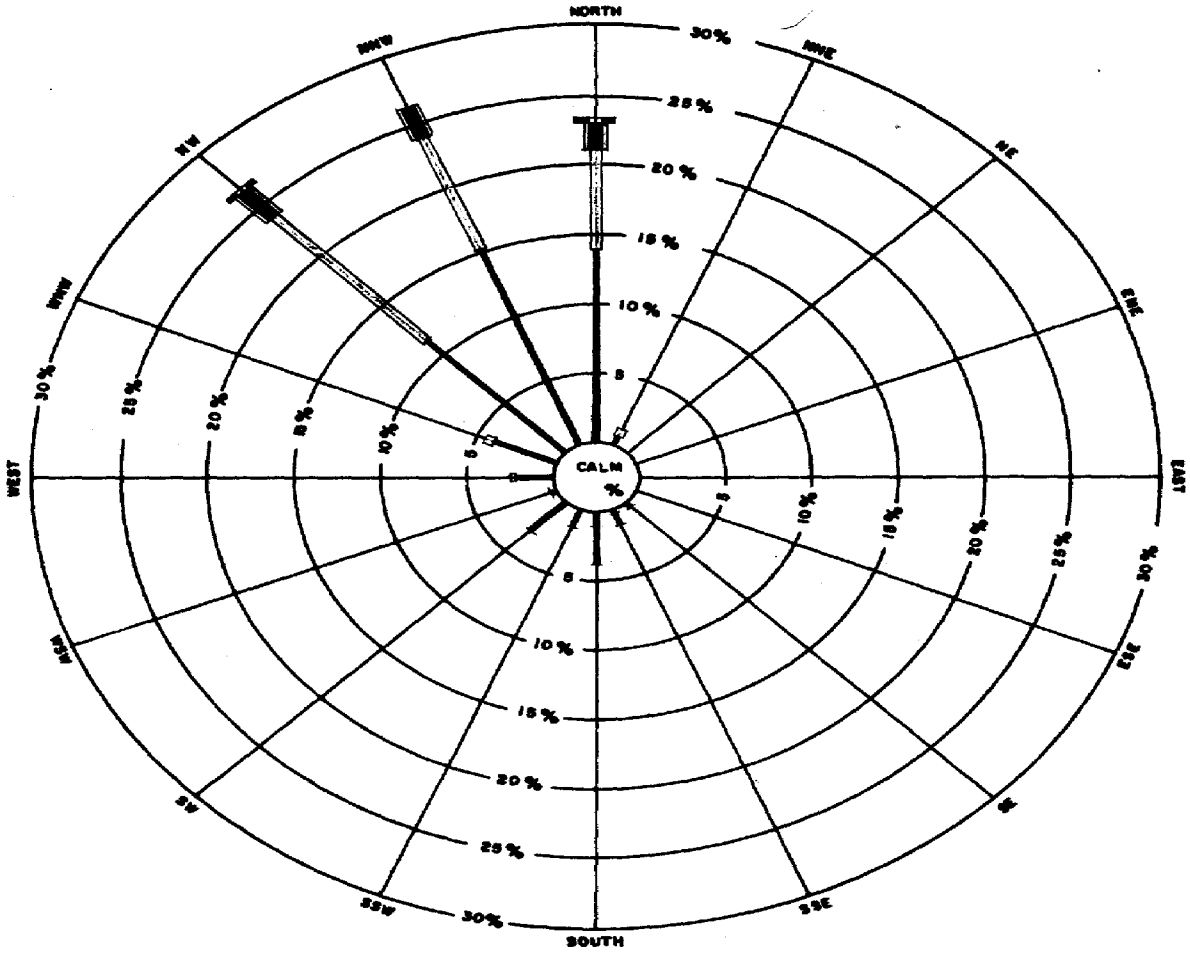
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29° 16' N.	Long: 50° 20' E



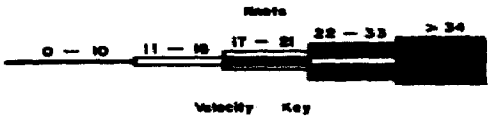
Met. Form 4

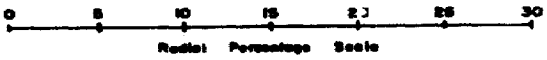
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Kharag Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29° 16' N.	Long: 50° 20' E



Hours in month 720

Hours recorded 695





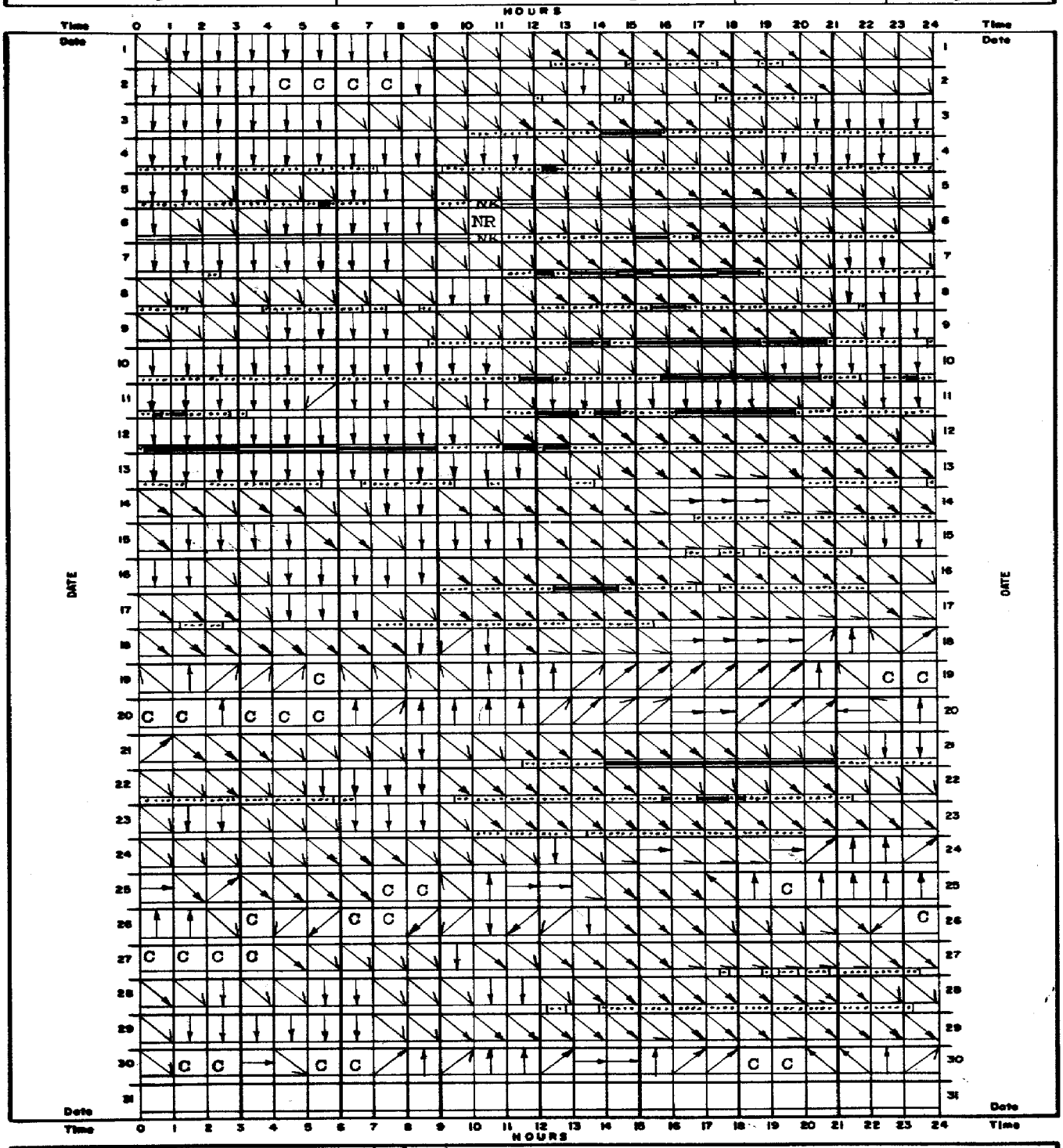
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

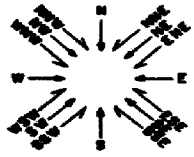
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: June	Year: 1963
	DINES ANEMOGRAPH	Station: Kharg Island	
Ground Level: 3 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°12' N.	Long: 50°20' E



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:

Met Form 4

IRANIAN OIL OPERATING COMPANIES

MONTHLY WEATHER REPORT

Month: June Year: 1963

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	25.0	23.9	23.4	28.8	91	1004.9	–	0	0	20	29.9	25.8	24.1	30.0	71	1005.8	–	0	0	20	1
2	26.7	26.2	26.0	33.6	96	1005.6	280	1	7	15	29.3	27.3	26.5	34.7	85	1006.3	160	7	0	20	2
3	26.4	26.2	26.1	33.7	98	1004.0	–	0	2	15	31.5	27.5	25.9	33.5	73	1004.1	180	5	0	30	3
4	27.1	26.9	26.8	35.3	98	1001.0	270	1	1	15	30.4	28.2	27.4	36.5	84	1000.7	270	5	0	15	4
5	26.8	26.8	26.8	35.2	100	999.1	–	0	x	0.1	29.7	27.2	26.2	34.1	82	1000.6	140	10	0	20	5
6	27.7	27.2	27.0	35.7	96	1000.1	250	1	8	15	31.3	28.4	27.3	36.4	80	1001.1	140	7	0	20	6
7	28.9	26.4	25.4	32.4	81	998.0	280	3	0	20	33.8	29.2	27.6	36.9	70	998.8	080	5	0	20	7
8	29.2	28.0	27.6	36.8	91	998.0	100	1	0	15	31.8	28.7	27.6	36.9	91	998.8	130	4	0	15	8
9	27.3	27.0	26.9	35.4	97	998.0	–	0	0	10	31.5	29.2	28.4	38.7	84	999.3	210	4	0	15	9
10	27.9	27.7	27.6	37.0	98	998.6	230	1	0	0.2	32.3	29.0	27.8	37.4	77	999.5	130	7	0	15	10
11	27.5	27.3	27.2	36.1	98	997.7	–	0	0	20	31.5	29.5	28.8	39.7	86	999.7	130	7	0	10	11
12	29.7	28.1	27.5	36.7	88	999.6	270	11	0	15	32.3	30.2	29.5	41.2	85	1002.0	110	1	0	10	12
13	30.2	24.1	21.2	25.1	58	1001.5	280	18	0	10	35.1	23.8	17.9	20.5	36	1003.2	290	17	0	15	13
14	27.4	23.9	22.3	26.9	74	1002.0	280	1	0	10	31.4	26.6	24.6	31.0	67	1001.8	280	9	0	20	14
15	27.2	25.4	24.6	31.0	86	997.8	110	2	1	15	29.8	26.5	25.2	32.0	76	998.5	170	9	0	15	15
16	26.8	25.8	25.4	32.4	92	998.8	290	1	1	15	30.8	27.2	25.8	33.2	75	1000.0	190	1	0	20	16
17	30.2	23.8	20.7	24.4	57	998.6	290	16	0	10	33.9	23.5	18.0	20.6	39	999.5	290	19	0	10	17
18	28.3	23.7	21.5	25.6	67	999.4	290	11	0	15	30.9	25.7	23.4	28.8	64	1000.1	290	11	0	10	18
19	26.2	24.6	23.9	29.7	87	1000.4	–	0	3	10	30.2	25.2	23.0	28.1	65	1000.8	150	4	0	15	19
20	27.7	25.4	24.4	30.6	82	1000.5	230	1	7	15	31.3	25.7	23.3	28.6	63	1001.3	230	5	0	15	20
21	27.5	25.8	25.1	31.9	87	1000.2	290	4	7	10	30.4	27.2	25.9	33.5	77	1001.0	280	4	8	15	21
22	28.1	27.3	26.9	35.7	94	1002.0	260	1	6	15	31.3	28.3	27.2	36.1	80	1003.2	180	1	0	20	22
23	27.6	24.8	23.6	29.0	79	1000.9	270	3	0	10	32.3	27.1	25.0	31.7	65	1001.4	260	4	0	15	23
24	28.3	25.2	23.8	29.6	77	1000.7	120	9	1	20	30.9	26.7	25.0	31.6	70	1000.3	150	10	0	20	24
25	28.0	24.7	23.2	28.5	75	999.9	170	2	0	15	30.9	27.3	25.9	33.4	75	1000.3	160	8	0	15	25
26	29.1	24.2	21.9	26.3	65	1002.0	170	1	2	20	33.2	28.3	26.4	34.6	68	1003.6	160	1	0	20	26
27	31.3	24.4	21.1	25.1	55	1002.6	330	7	0	20	37.5	25.6	20.0	23.3	36	1002.4	240	8	0	20	27
28	32.5	27.3	25.3	32.2	66	1999.8	290	1	3	20	32.8	28.8	27.3	36.4	73	999.9	290	4	1	20	28
29	30.2	29.0	28.6	39.1	91	997.1	090	7	5	10	32.2	29.6	28.7	39.4	82	997.6	110	11	8	15	29
30	30.6	26.0	24.1	29.9	68	995.7	310	10	3	20	35.2	28.0	24.6	32.1	56	995.7	250	14	0	20	30
Av.	28.2	25.9	24.9	31.6	83	1000.1	–	3	2	14	31.8	27.4	25.5	33.0	71	1000.9	–	7	1	17	Av.

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: June Year: 1963

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		
29.8	25.8	24.1	30.0	71	1004.3	290	3	0	25	28.5	34.6	21.9	20.0	70.6	230	6	0	Clear	1
29.0	27.2	26.5	34.6	86	1004.4	180	1	0	35	29.8	31.2	24.2	22.4	67.5			0	Fair	2
31.0	27.0	25.4	32.5	72	1001.3	280	2	0	30	29.6	32.0	23.3	21.5	69.3			0	Clear	3
32.1	26.1	23.5	29.0	61	999.5	270	1	0	15	30.2	33.1	24.0	22.4	68.2			0	"	4
29.6	28.7	28.4	38.7	93	999.1	250	2	1	20	29.7	32.3	25.8	22.0	68.7	120	14	0	Fog	5
31.2	29.1	28.3	38.6	85	1000.0	140	2	0	15	30.1	34.8	26.1	25.8	69.4			0	P.Cloudy	6
34.5	25.9	22.1	26.5	48	997.1	270	10	0	20	30.6	43.5	25.7	24.2	76.5	210	16	0	Clear	7
30.1	28.9	28.4	38.8	91	998.4	130	1	0	15	30.2	37.4	25.3	22.5	69.8	110	15	0	"	8
30.8	29.5	29.1	40.2	90	998.0	–	0	0	10	30.7	32.2	25.7	23.8	68.6	110	11	0	Mist	9
30.9	29.5	29.0	40.1	90	998.3	130	1	0	15	30.3	32.9	25.9	23.2	68.6	160	13	0	"	10
31.9	30.0	29.4	40.9	87	998.3	280	7	0	10	30.5	32.8	25.9	22.0	70.1	130	12	0	Clear	11
32.2	27.5	25.1	33.0	69	1000.8	280	13	0	10	30.6	36.1	22.4	25.2	69.7	300	21	0	"	12
29.8	23.9	21.0	24.9	59	1000.5	280	15	0	15	28.0	36.0	29.2	28.0	73.8	290	35	0	"	13
30.1	24.8	22.4	27.1	63	999.7	290	11	0	15	28.6	33.3	23.1	20.6	69.5	300	15	0	"	14
30.2	26.1	24.4	30.6	71	997.3	280	7	0	10	29.6	31.7	23.7	20.3	67.5	140	14	0	"	15
30.6	26.4	24.7	31.0	70	998.3	290	9	0	15	30.1	32.6	24.5	21.5	68.3	300	27	0	"	16
30.3	22.4	18.1	20.8	48	998.4	280	18	0	15	28.5	35.5	28.4	26.8	72.5	270	35	0	"	17
29.7	23.9	21.2	25.2	61	998.8	290	8	0	15	27.3	33.5	24.9	23.0	70.2	310	17	0	"	18
29.8	23.9	21.0	25.0	59	999.0	220	4	0	10	28.8	31.6	23.4	20.3	68.0			0	Fair	19
30.8	23.1	19.1	22.1	50	999.5	290	9	0	15	28.6	33.4	25.2	23.4	67.3	310	12	0	"	20
29.8	27.9	27.2	36.1	86	999.6	260	3	2	20	29.9	31.9	25.5	23.5	77.9			0	Cloudy	21
31.3	28.3	27.2	36.1	79	1001.8	310	1	0	15	29.5	34.2	24.9	22.6	68.2	240	15	0	Fair	22
29.7	26.4	25.1	31.8	76	999.2	260	3	0	10	29.6	32.7	25.7	22.5	70.8	240	13	0	Clear	23
29.6	25.3	23.4	28.8	70	998.8	160	1	0	15	29.7	31.7	27.3	24.9	68.2	130	14	0	"	24
29.8	27.1	26.1	33.7	80	999.6	–	0	0	6	29.8	32.2	24.3	21.8	69.3			0	Haze	25
33.4	24.4	20.0	23.4	45	1002.8	320	5	0	15	30.6	37.6	25.8	22.0	70.4	240	10	0	Clear	26
34.2	27.0	24.1	29.9	56	1000.6	290	16	0	25	29.5	42.5	27.6	24.7	73.8	290	24	0	"	27
32.6	28.8	27.4	36.6	74	997.9	310	1	6	20	30.4	36.4	28.9	27.1	70.1	290	20	0	Fair	28
32.3	29.6	28.7	39.3	81	996.4	300	9	2	10	30.2	34.3	27.4	24.7	76.5	130	17	0	P.Cloudy	29
35.0	23.7	17.7	20.3	36	994.2	280	16	0	15	30.6	42.2	27.6	24.6	75.1	280	33	0	Fair	30
31.0	26.6	24.6	31.5	70	999.4	–	6	0	16										Av.

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

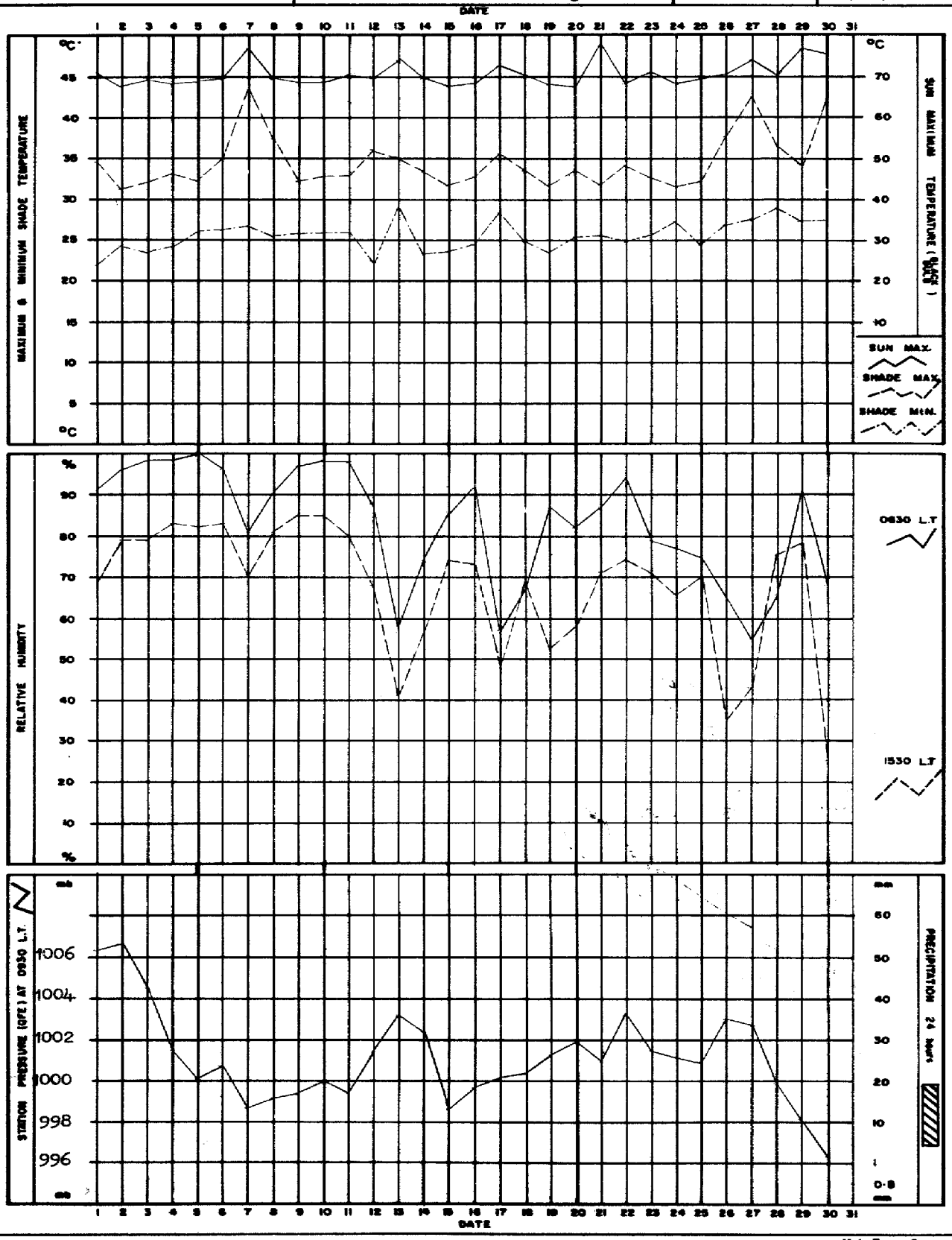
Rainsh.: Rain falling as showers

Hail: Solid precipitation

Th. storm: Thunderstorm at or near the station

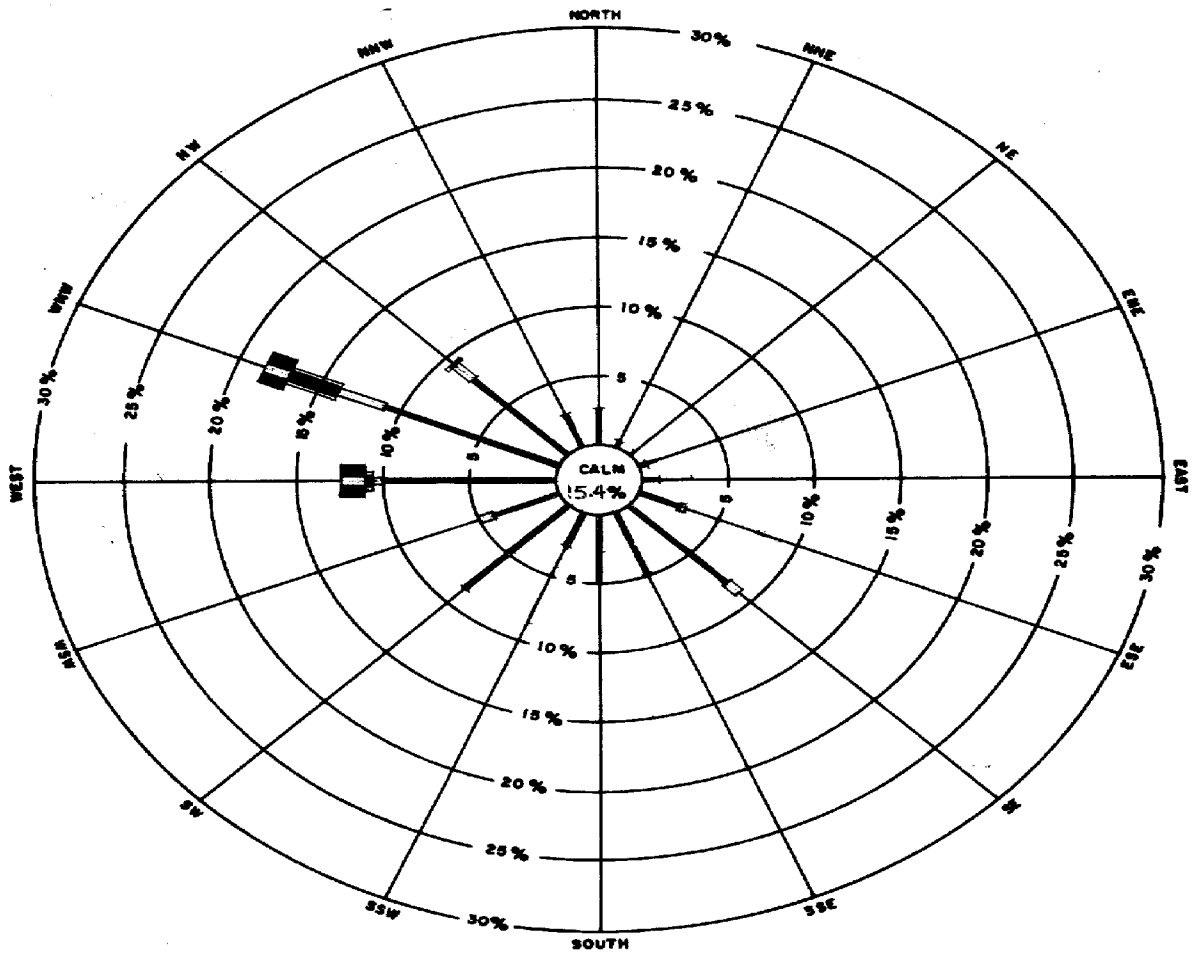
Met. Form 3b

IRANIAN OIL OPERATING COMPANIES	CLIMATOLOGICAL GRAPH	Month: June	Year: 1963
		Station: Sheikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



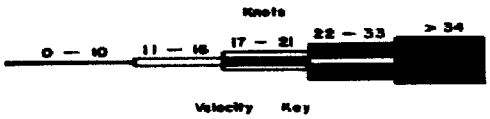
Met. Form 4

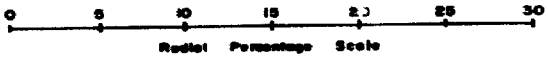
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Shaikh Shu'aib	
Ground Level: 2 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 29°16' N.	Long: 50°20' E



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.

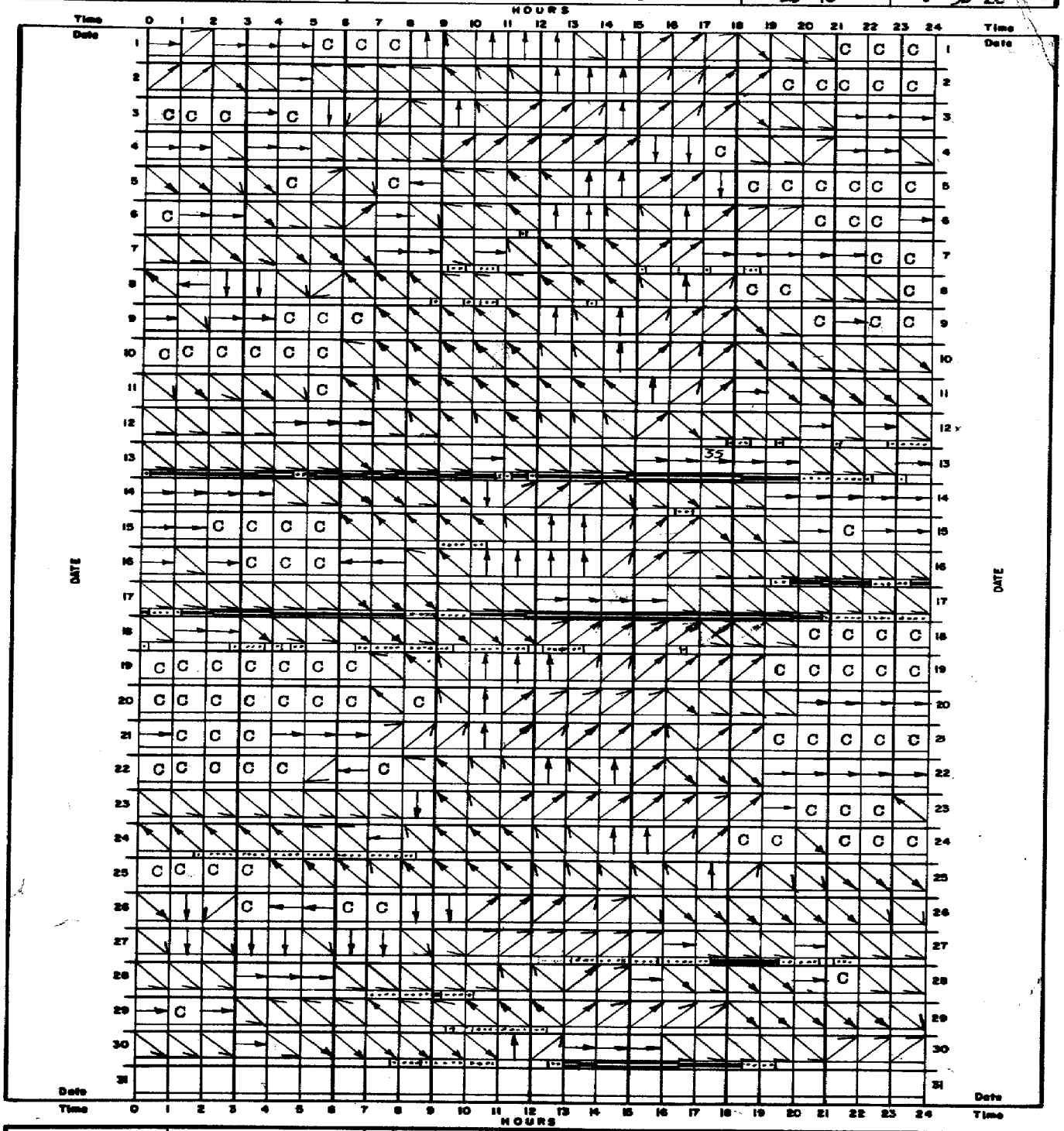
2. Percentages are plotted radially from inner circle edge and are accumulative, exclusive of total calm periods, which are shown by figure in centre circle.

Remarks:

Met. Form 5

37.

IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: June	Year: 1963
	DINES ANEMOGRAPH	Station: Sheikh Shu'aib	
Ground Level: 2 m.a.m.s.l.	Local Time: G.M.T. + 3½ hrs	Lat: 29°46' N.	Long: 50°20' E.



Velocity Key		Direction Key
C	Calm	N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
	1 – 10 Knots	
	11 – 16	
	17 – 21	
	22 – 33	
	≥ 34	

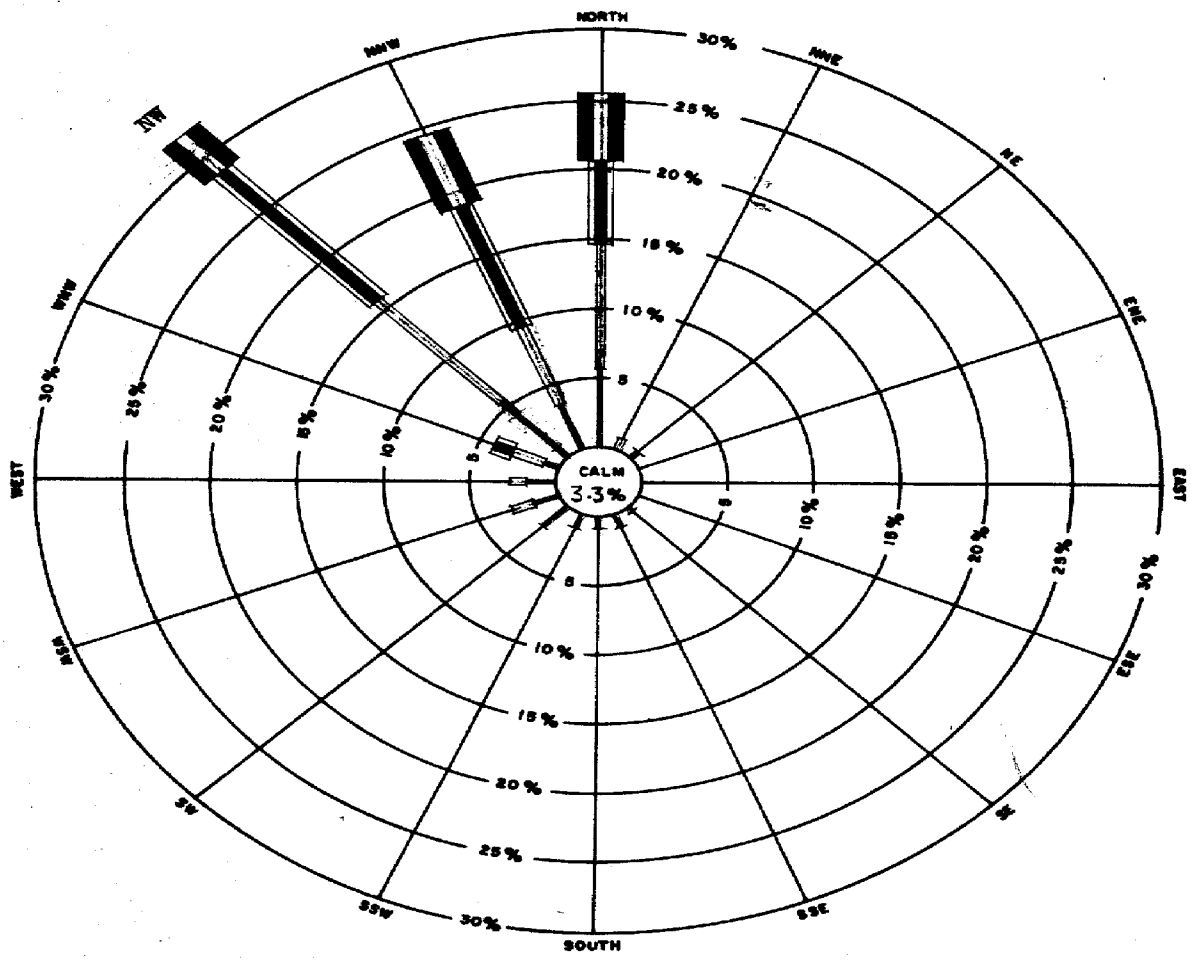
Example: From 0300 hrs to 0400hrs, NNW, more than 34 knots average, with a peak velocity of 40 knots. (Figures in the direction box indicate maximum velocity over 34 knots.) NR = No Record.

Remarks:

Met Form 4

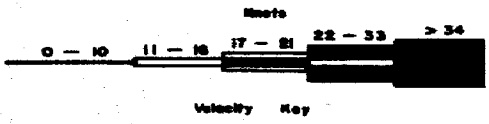
248.

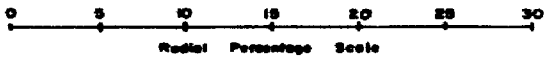
IRANIAN OIL OPERATING COMPANIES	WIND ROSE	Month: June	Year: 1963
	Compiled from Wind Records Summary	Station: Khark Island	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat: 30°00' N.	Long: 49°02' E



Hours in month 720

Hours recorded 638





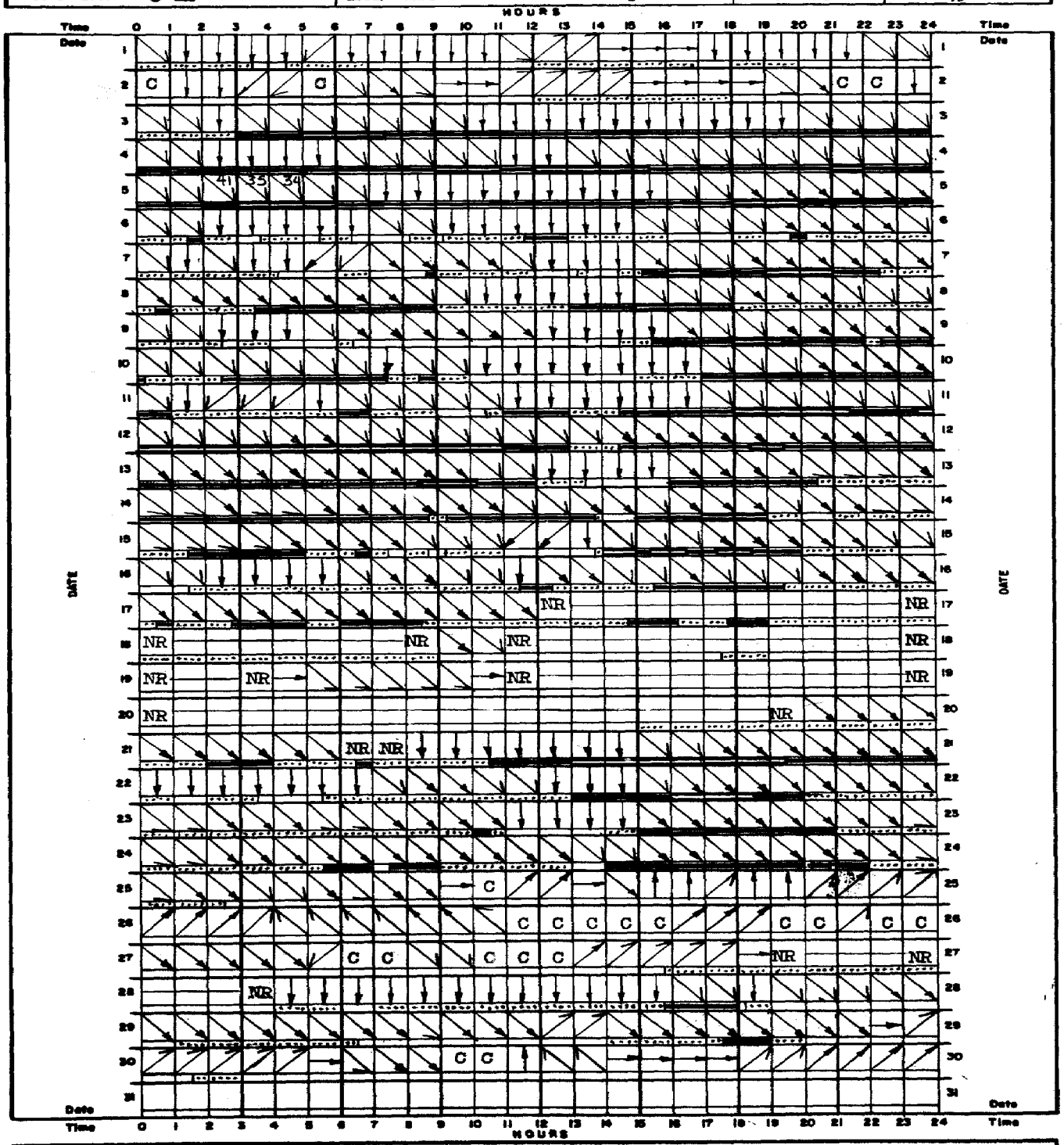
Notes: 1. Total hours recorded for each direction/velocity range are expressed as a percentage of total hours actually recorded for month.

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

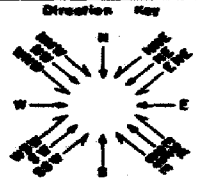
IRANIAN OIL OPERATING COMPANIES	SUMMARY WIND RECORDS	Month: June	Year: 1963
	DINES ANEMOGRAPH	Station: Khor Musa	
Ground Level: 6 m. A.M.S.L.	Local Time: G.M.T. + 3½ hrs	Lat 30°00' N.	Long: 49°02' E



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

MEAN SEA LEVEL PRESSURE (QFF)

Date	Masjid-i-Sulaiman			Agha Jari			Gach Saran			Kut Abdullah		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1007.5	1006.9	1004.5	1004.7	1007.9	1005.5	1004.9	1003.4	1003.5	1007.8	1007.5	1005.8
2	1005.4	1005.3	1004.9	1006.9	1007.0	1004.8	1004.7	1003.8	1002.4	1006.6	1006.9	1005.0
3	1005.7	1005.0	1003.5	1005.9	1005.2	1003.1	1003.2	1001.6	999.8	1006.1*	1006.5*	1004.2
4	1005.1	1003.1	1001.4	1003.8	1003.3	1002.4	1000.9	999.0	998.0	1004.6	1004.1	1002.0
5	1002.5	1001.9	1000.5	1002.0	1002.2	1000.8	999.7	999.0	998.1	1002.7	1002.9	1001.2
6	1002.8	1002.9	1000.5	1002.9	1003.7	1001.6	1003.1	999.0	998.8	1003.3	1003.7	1001.5
7	1002.5	1000.7	1008.9	1002.4	1002.4	1000.7	999.2	998.0	997.5	1001.4*	1002.9*	1001.3
8	1000.1	1000.0	999.1	1001.4	1000.9	999.8	998.1	996.9	997.3	1001.0	1000.1	999.9
9	1000.6	1001.0	1000.8	1001.5	1002.3	1001.4	998.7	998.0	998.0	1001.5	1002.2	1002.0
10	1002.7	1002.9	1001.4	1002.6	1003.8	1001.8	1000.9	998.7	998.3	1004.0	1003.8	1002.0
11	1002.7	1002.8	1002.1	1002.3	1002.8	1002.6	998.3	998.3	997.6	1003.0	1003.7	1003.1
12	1004.6	1005.6	1005.3	1006.6	1007.6	1005.9	1001.4	1001.8	1002.3	1006.4	1007.6	1006.3
13	1004.6	1003.7	1003.5	1008.1	1005.8	1002.7	1003.1	1001.4	1000.1	1005.9	1005.0	1002.4
14	1000.5	999.9	997.8	1003.2	1002.5	998.8	1000.0	997.9	996.9	1001.5*	1000.4*	998.5
15	996.9	996.9	995.5	998.7	998.6	996.9	1001.3	999.7	994.6	998.8	998.0	996.8
16	997.8	999.0	998.5	999.6	1001.0	1000.3	1001.1	995.4	997.0	999.6	1000.4	1000.1
17	999.9	999.4	997.7	1002.5	1002.0	999.3	998.0	997.1	997.0	1001.2	1001.0	998.8
18	997.4	996.7	995.1	999.9	999.3	996.9	996.8	996.6	995.1	998.7	998.0	995.7
19	998.3	998.2	996.7	999.3	999.8	998.9	996.4	996.2	996.6	997.9	998.3	997.1
20	998.4	999.8	997.0	1000.7	1000.9	998.6	997.4	996.7	996.1	999.2	1000.3	998.7
21	999.9	1000.6	999.5	1001.3	1001.6	1000.4	997.4	997.1	996.7	999.8*	1001.9*	1001.6
22	1001.6	1004.0	1001.4	1003.5	1004.6	1003.6	999.7	999.9	1000.0	1002.5	1004.7	1003.5
23	1001.0	1001.0	1000.7	1004.1	1003.3	1000.0	1000.7	998.7	997.5	1003.3	1002.7	1000.1
24	999.6	997.9	996.0	1000.0	1000.0	997.3	997.1	995.7	994.9	999.3	999.2	997.3
25	997.1	998.4	997.7	999.7	1000.6	999.0	996.8	996.2	996.9	998.4	1000.0	998.2
26	1002.2	1003.4	1002.8	1004.3	1005.8	1003.6	1001.3	1000.9	1000.9	1002.8	1004.4	1002.7
27	1004.3	1004.0	1002.6	1005.8	1005.2	1002.6	1003.2	1001.1	1000.3	1005.5	1005.2	1003.2
28	1002.1	1000.7	998.9	1002.2	1000.8	999.3	999.3	997.2	995.9	1002.7*	1001.9*	999.6
29	997.6	996.7	994.7	999.7	999.6	996.6	995.9	994.6	994.0	998.9	998.2	996.0
30	994.7	993.7	991.9	996.7	996.1	993.2	993.8	992.4	992.2	995.5	994.9	992.5
Av.	1001.2	1001.0	1000.0	1002.4	1002.5	1000.6	999.7	998.4	997.8	1002.0	1002.2	1000.6

Date	Abadan			Bandar Mashur			Kharg Island			Sheikh Shu'aib		
	0630	1230	1830	0630	1230	1830	0630	1230	1830	0630	1230	1830
1	1007.5	1007.8	1006.1	1007.1	1006.9	1005.2	1006.5	1006.3	1004.9	1005.3	1006.2	1004.7
2	1006.9	1007.4	1004.7	1006.0	1006.5	1004.5	1005.4	1006.3	1003.6	1006.0	1006.7	1004.8
3	1007.1*	1007.0*	1004.6	1005.0	1007.9	1003.0	1004.2	1003.9	1001.6	1004.0	1004.5	1001.7
4	1005.0	1004.8	1003.0	1003.7	1003.3	1001.5	1001.9	1001.5	1000.1	1001.4	1001.1	999.9
5	1003.2	1003.5	1002.5	1002.1	1002.5	1000.8	1000.4	1001.0	999.5	999.5	1001.0	999.5
6	1003.5	1004.2	1002.6	1002.7	1003.3	1001.2	1001.4	1002.1	1000.3	1000.5	1001.5	1000.4
7	1002.6*	1004.0*	1002.7	1001.8	1002.2	1000.7	1000.8	1001.3	999.9	998.4	999.2	997.5
8	1001.9	1002.4	1001.7	1000.6	1001.0	999.9	1000.0	1000.6	999.6	998.4	999.2	998.8
9	1001.6	1003.0	1003.0	1001.0	1002.0	1001.7	1000.0	1000.7	1000.1	998.4	999.7	998.4
10	1004.7	1004.8	1003.2	1004.1	1003.4	1001.9	1002.3	1002.0	999.6	999.0	999.9	998.7
11	1003.4	1004.4	1004.4	1002.2	1002.9	1002.6	1000.4	1001.0	1000.5	998.1	1000.1	998.7
12	1007.3	1008.6	1007.6	1006,2	1006.9*	1006.3	1004.1	1006.5	1004.9	1000.0	1002.4	1001.2
13	1007.3	1006.3	1004.0	1006.4	1005.2	1003.5*	1006.0	1005.5	1002.4	1001.9	1003.6	1000.9
14	1003.5*	1002.8*	1000.3	1002.1	1002.3*	998.7	1002.7	1002.5	999.2	1002.4	1002.2	1000.1
15	998.9	999.2	998.2	997.7	997.7	997.0	998.5	998.3	997.3	998.4	998.9	997.7
16	1000.3	1002.0	1001.7	999.4	1000.7	1000.4	998.3	1000.4	999.8	999.2	1000.4	998.7
17	1002.6	1002.9	1000.2	1002.0	1001.3	999.0	1001.6	1001.7	999.9	999.0	999.9	998.8
18	999.4	999.0	996.9	999.1	998.6	996.0	999.4	999.5	997.9	999.8	1000.5	999.2
19	998.2	999.2	997.9	998.2	999.1	997.6	999.0	999.2	998.4	1000.8	1001.2	999.4
20	999.5	1000.6	999.5	999.3	1000.4	998.6	999.9	1000.2	998.9	1000.9	1001.7	999.9
21	1002.7*	1003.6*	1002.9	1001.0	1001.8	1001.0	999.8	1001.1	999.5	1000.6	1001.4	1000.0
22	1003.9	1006.1	1005.0	1003.1	1004.5	1003.6	1002.3	1003.9	1003.1	1002.4	1003.6	1002.2
23	1004.3	1003.6	1001.6	1003.2	1002.9	1000.2	1002.7	1002.4	1000.2	1001.3	1001.8	999.6
24	1000.5	1000.5	998.4	999.4	999.7	997.2	999.6	1000.1	997.7	1001.1	1000.7	999.2
25	999.1	1000.2	998.8	998.7	1000.3	998.7	999.2	999.9	999.7	1000.3	1000.7	1000.0
26	1002.4	1004.3	1002.9	1002.9	1004.7	1003.3	1003.2	1003.5	1003.1	1002.4	1004.0	1003.2
27	1005.4	1005.4	1003.4	1004.9	1004.6	1002.1	1004.3	1004.1	1001.9	1003.0	1002.8	1001.0
28	1002.9*	1002.7*	1000.3	1002.1	1000.9	1008.9	1000.9	1000.1	997.9	1000.2	1000.3	998.3
29	999.7	999.8	997.2	999.4	998.7	996.6	998.7	998.7	997.1	997.5	998.0	996.8
30	996.0	995.4	993.4	995.7	995.4	993.2	997.0	996.1	994.0	996.1	996.1	994.6
Av.	1002.7	1003.2	1001.6	1001.9	1002.3	1000.8	1001.5	1001.7	1000.1	1000.5	1001.3	999.8

* Values obtained from barograph