

பக்கங்கள் எண்ணிக்கை 112
பதிவுசெய்ததிகதி 152
பதிவுசெய்த இடம் காவிரி
ab

செ.நா. 3062 ப.வ
28-11-1893

October (3 rd to 31 st)							November (1 st to 13 th)							Remarks
Date	Hour 8 to 9	9 to 10	10 to 11	11 to 12	after 12	By boat after 12	Date	Hour 8 to 9	9 to 10	10 to 11	11 to 12	after 12	By boat after 12	
1	.						1	4	11	11	7	1	3	
2							2	4	8	7	4	7	7	
3	23	11	2			1	3	6	8	9	8	3	3	
4	2	20	7	4	3	1	4	6	13	7	9	1	1	
5	7	17	5	3	2	3	5	1	10	19	2	4	1	
6	4	18	11	2	2	.	6	1	.	6	3	10	17	
7	6	14	8	6	1	2	7	.	6	5	6	5	15	
8	.	.	22	13	.	2	8	1	3	9	8	7	9	
9	4	12	14	5	.	2	9	1	1	11	3	17	4	
10	5	18	8	6	.	.	10	4	10	15	.	3	5	
11	5	18	6	5	3	.	11	1	13	5	9	3	6	
12	6	14	13	3	1	.	12	2	11	12	6	3	3	
13	6	16	10	3	.	2	13	3	14	13	3	2	2	
14	5	16	8	7	1	.								
15	6	21	7	2	.	3								
16	3	19	10	.	2	3								
17	6	12	17	2	.	.								
18	6	17	7	2	1	4								
19	6	16	8	5	1	1								
20	8	14	11	3	1	.								
21	8	17	7	3	1	1								
22	4	22	6	.	.	5								
23	2	17	10	6	.	2								
24	1	25	6	1	1	3								
25	3	18	10	5	.	1								
26	5	21	7	4	.	.								
27	1	21	9	3	1	2								
28	3	14	14	1	5	.								
29	3	16	12	5	.	1								
30	6	21	7	3	.	.								
31	4	20	7	2	2	2								

DIVISION	STATION	PRESSURE			WIND	TEMPERATURE IN SHADE								HUMIDITY	
		8 A. M.	Change in past 24 hours.	Variation from mean of day		Miles per hour past 24 hours	8 A. M.	Max. of past 24 hours	Variation from mean of day	Min. of past 24 hours	Variation from mean of day	Mean of day	Change in past 24 hours.	8 A. M.	Change in past 24 hours.
Burma	Diamond Island	29.960	-0.04	+0.67	ENE	16	79.4	84.6	-2.5	78.4	+0.3	80.5	-0.5	80	-5
	Rangoon	?	?	+0.70	?	?	?	87.2	-0.2	70.3	-4.2	78.8	-2.3	?	?
	Akyab	29.976	-0.36	+0.70	NE	2	78.6	87.2	+0.1	74.2	+0.3	80.7	+1.7	84	-4
Bengal	Sagar Island	30.025	+0.01	+0.90	NE	6	71.3	81.2	-1.9	70.0	-0.5	75.6	-1.0	89	+16
	Ohitiagong	30.014	-0.19	+0.96	NNE	2	74.6	86.7	+1.7	73.1	+3.4	79.4	?	89	+17
	Gopalpore	29.994	-0.09	?	NNW	9	73.6	80.2	?	71.1	?	75.7	-1.7	81	-4
Madras Presidency	Visagapatnam	29.962	+0.11	+0.62	N	?	71.0	82.0	-4.7	70.0	-2.8	76.0	-4.6	80	+13
	Rajahmundry	29.946	+0.02	+0.64	N	?	71.5	79.2	-3.6	70.5	-3.1	74.9	-4.2	87	+16
	Cochin	29.970	-0.13	+0.98	NE	19	73.9	78.5	-6.6	69.1	-5.3	73.8	-6.3	92	+18
Madras Presidency	Masulipatam	29.939	-0.04	+0.73	SE	9	72.2	84.2	-2.2	69.9	+1.0	77.1	?	83	-3
	Kurash	29.916	-0.50	-0.02	Calm	?	72.5	82.9	-3.2	69.0	?	76.0	-0.7	79	-5
	Bellary	29.924	-0.39	+0.35	E	5	71.3	81.6	-5.4	69.6	-2.7	75.6	-7.3	95	+11
Madras Presidency	Cuddapah	29.974	-0.59	-0.39	NNW	?	73.8	79.3	?	72.6	?	75.5	-2.2	100	+10
	Nellore	29.961	-0.44	?	NE	9	75.4	78.0	-7.4	73.3	-0.8	75.7	-3.4	97	?
	Madras	29.770	-0.15	?	SSW	12	76.0	78.2	?	71.2	?	74.7	-2.3	91	-7
Madras Presidency	Cuddalore	29.860	-0.36	-0.31	Calm	2	75.5	81.9	-5.3	71.5	+1.7	76.7	-5.5	77	-2
	Salem	29.942	-0.05	-0.29	W	5	75.5	80.9	+2.7	69.3	-1.2	79.1	+0.7	80	+8
	Coimbatore	29.942	-0.05	-0.29	W	5	75.5	80.9	+2.7	69.3	-1.2	79.1	+0.7	80	+8
Madras Presidency	Wellington	29.913	-0.30	-0.13	N	5	62.1	68.2	+0.5	56.6	+1.5	62.4	+1.2	77	+5
	Trichinopoly	29.913	-0.53	-0.48	Calm	1	80.3	86.0	-1.2	72.9	-0.3	79.5	+1.5	70	-19
	Negapatnam	29.805	-0.44	-0.44	SW	5	79.9	80.1	-4.8	74.2	-0.3	77.2	-0.8	86	-3
Madras Presidency	Madurai	29.829	-0.14	-0.26	NNE	1	76.4	89.4	+1.2	75.0	-0.3	81.2	+2.5	83	?
	Pambur	29.829	-0.30	?	SW	7	81.8	86.3	?	76.7	?	81.5	+1.0	75	+1
	Tinnevely	29.849	-0.31	?	SW	4	80.9	92.2	?	73.9	?	83.1	+2.5	71	-11
Madras Presidency	Tiruvannamalai	29.832	-0.39	?	Calm	2	76.5	82.0	?	75.5	?	78.6	+1.8	91	?
	Tiruvannamalai	29.829	-0.32	-0.29	NE	7	79.4	80.3	+4.1	76.6	+2.2	83.6	+0.3	66	+4
	Cochin	29.833	-0.32	-0.30	NE	9	79.7	80.3	?	74.0	?	81.2	-0.5	71	+3
Madras Presidency	Calicut	29.863	-0.07	+0.05	NNE	2	76.7	87.8	+1.6	73.9	-0.5	80.9	-3.7	84	+6
	Malapattur	29.910	-0.35	-0.10	NE	15	63.0	73.0	-2.5	60.8	-1.8	66.9	-1.8	87	-5
	Mercara	29.806	-0.43	-0.32	NNW	9	66.5	74.7	-4.6	64.8	+0.3	69.8	-1.0	93	-3
Madras Presidency	Bangalore	29.904	-0.39	?	NNE	5	68.0	76.3	?	60.2	?	68.3	-3.0	83	-5
	Hassan	29.969	-0.13	+0.41	NE	10	68.0	81.1	-1.1	66.5	+0.7	73.8	-1.8	70	+13
	Secunderabad	29.928	-0.57	+0.37	ENE	?	67.4	81.0	+0.3	61.9	-2.2	71.9	+0.3	64	+20
Madras Presidency	Belgaum	29.966	-0.70	+0.99	E	12	75.0	89.5	+2.4	73.5	-0.8	81.5	-0.8	64	+13
	Bombay	29.895	-0.16	+0.40	NE	5	76.6	80.3	+2.3	69.8	-2.5	79.1	-1.2	63	-9
	Karwar	29.917	-0.23	?	NE	12	75.8	89.0	?	70.4	?	79.7	?	69	-3
Madras Presidency	Mormugao	29.846	-0.14	-0.21	Calm	3	82.0	86.5	?	73.5	?	79.5	+1.0	78	-6
	Colombo	29.818	+0.03	?	Calm	12	78.0	88.0	?	73.0	?	80.5	+0.5	91	+8
	Trincovale	29.818	+0.03	?	Calm	12	78.0	88.0	?	73.0	?	80.5	+0.5	91	+8

SUMMARY

Pressure has fallen over the whole of the reporting area excepting at Vizagapatnam & Rangoon. It has fallen at Madras and risen to moderate at most of the other stations on the Coromandel Coast. There is a slight decrease of pressure at some of the neighbouring stations coupled with rain tends to show that a severe cyclonic storm is approaching or passing over Madras & that it is in W.N.W. direction. Winds are NE^{ly} over the north of the Bay, cyclonic around Madras & in various directions. Force is strong & squally in Madras, strong at Cochin, Diamond Island, Mercara, Calicut, & elsewhere.

Temperatures has risen at some of the southern stations of the Madras Presidency in elsewhere. The highest mean temperature reported is 83.5 at Cochin & the lowest 62.3 at Hassan. Humidity is increasing reported is 92% at Tinnevely & the lowest minimum 60.2 at Hassan. Clouds are increasing. Centres of the cyclonic storm are cloudy to overcast. Madras has received 6.20" of rain. Nellore 2.45", Masulipatam 2.37", Trivandrum 1.16" & several other stations falls of under an inch.

Madras, the 7th November 1893.

P.W. 8.2
10008/53

Rev. C. H. 8733 of 71

MADRAS WEATHER CHART

for November 5th 1893

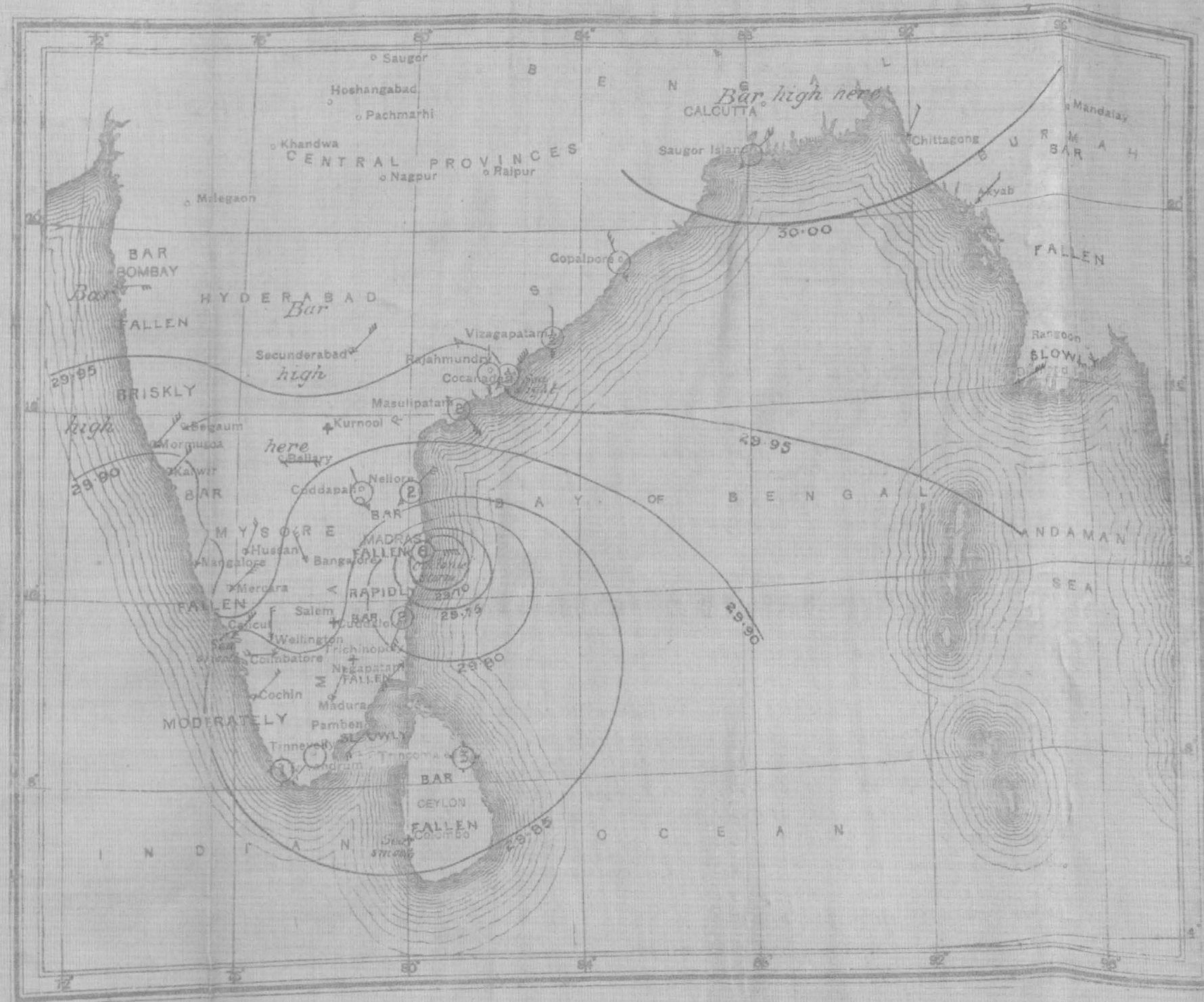
SHOWING PRESSURE AND WIND OBSERVATIONS.

Taken at 8 A. M. on Monday, November 6th 1893

AND RAINFALL FOR PREVIOUS 24 HOURS.

Scale 1 inch = 100 Miles
100 50 0 100 200 300 MILES

(Second Edition issued after the receipt of the missing Weather Telegrams in the first issue.)



Explanation of Chart.

Pressure.—The isobars or lines of equal pressure are drawn for each twentieth of an inch. The more important changes of pressure during the previous 24 hours are noted in words. The isobars form closed curves in the case of barometric depressions or cyclonic disturbances. The position of the centre of such a disturbance is indicated by a circle. The path of the centre of a cyclonic storm during the previous 24 hours is indicated by a line of small crosses as x x x x x.

Wind.—Arrows show the direction of the wind at the hour of observation. They are drawn flying with the wind, their feathers indicating the force as follows:—

A small cross over a station denotes a calm.
one feather = 1 to 3 miles per hour.
two feathers = 4 to 8 " "
three do. = 9 to 12 " "

four feathers = 14 to 18 " "
five do. = 19 to 24 " "
six do. = 25 to 30 " "
seven do. = above 30 " "

Rainfall is shown by the following symbols placed over the stations.—A circle above indicates that rain has fallen, but that the amount is less than $\frac{1}{8}$ inch. A circle with the fraction $\frac{1}{2}$ inserted indicates that the rainfall received at the station is between $\frac{1}{2}$ and 1 inch, with the figure 1 inserted indicates that rainfall is between 1 and 2 inches and so on.

Explanation of Columns in the Table.

- The barometric readings are all corrected to the Calcutta standard reduced to the same temperature and also to sea level and constant gravity (45° Lat.) except in the case of the Hill Stations.
- The 2nd column under the head "Pressure" and the 3rd and 5th columns under the head "Temperature" show the variations of pressure, and the maximum and minimum temperature from the normal or mean of the day.
- The 4th column under the head "Wind" gives the average motion of the air in miles per hour during the past 24 hours.
- The temperatures given in the table are of the air in the shade or in a small shed with open sides and a thatched roof. The maximum (max.) and minimum (min.) temperature are the highest and lowest temperatures during the 24 hours preceding 8 A. M. The 6th column under the head "Temperature" gives the mean of the maximum and minimum temperatures, and is approximately the mean temperature of the day. The 7th column gives the difference (with the proper sign) between the mean temperature of today and yesterday.
- The humidity is given as a percentage expressing the ratio of the actual amount of moisture in the air to the amount required to saturate it.
- The amount of cloud is expressed by the numbers 0 to 10, 0 denoting a cloudless and 10 an overcast sky.
- The last column under the head "Rainfall" gives the difference with the proper sign between the actual rainfall from 1st of April up to date and the average rainfall for the same year.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from

the Meteorological Reporter to the Government of Madras, dated 11th Nov^r. 1893, N^o 1213.

I have the honor to forward ^{a statement showing the progress} herewith, at which the weather messages have been received in this office daily from the 8th October to 13th November 1893, and regret having occasion to point out that there has been greater delay in the receipt of these telegrams since the commencement of this month than during the previous one, thus preventing the publication of the Daily Weather Chart at the appointed time. The Meteorological Reporter to the Government of India anticipated that the majority of the weather telegrams would reach me between 9 and 10 A.M. (vide para of his letter N^o 1153 dated 22nd February 1893 embodied in G.O. N^o 457 Rev. dated 26th May 1893) and at first several messages were received within those hours, but of late, as you will see from the statement, up to 10 A.M. very few telegrams have been received, and after 10 A.M. the Telegraph office ceases giving our messages until other urgent and ordinary telegrams are disposed of. Prior to joining my office

with

with the Telegraph Office I was asked whether
a loop line from this office to the nearest Tele-
graph Office would answer my purpose,
and not expecting to be prevented from
working by the Vapery, Vengamla & Kham
and other offices, I agreed to this proposal.
As, however, the looping of the Telegraph
wires from my office to the nearest sub
Telegraph office is a complete failure
through the three local offices connected
therewith also breaking the line for ordinary
and urgent messages, I request the favor of
your arranging for a separate line from
the General Post and Telegraph Office
direct, and it would be preferable to have
an open wire of a closed circuit and
the Battery here. Arrangements should also
be made with the Superintendent of
Telegraphs to have the weather messages
mailed direct to this office immediately
they arrive, which would enable me to
receive nearly all between 9 and 10 A.M.
I am also requesting the Meteorological
Reporter to the Government of India to change
the class of messages of the stations from
which the telegrams have been invariably
late from deferred to ordinary or urgent so he
may deem best. These alterations will
enable me to issue the Weather Chart in good
time

time daily.

2062
It was a matter of great regret to me
that on the 6th of November when a cyclonic storm
approached Madras up to noon of that day
only 10 telegrams had reached me, and these un-
fortunately were from the Western Coast stations.
I was consequently prevented from issuing a
complete Chart, showing the probable track of
the Cyclone. On receipt however, of the remain-
ing 27 weather reports the following day, I
drew up another Chart, a copy of which I
forward herewith, to show you what you
would have had if the weather telegrams
had reached me that day. It must be re-
membered that as the weather messages are
received by a code, it takes at least five
minutes to convert these words into figures
and to reduce the observations, after which
they have to be tabulated. I cannot prepare
the Chart and Summary until the data is
all ready, and then another fifteen or twenty
minutes must be allowed for the maps
and tables to be put on the Lithographic
stone. You will therefore see how utterly
impossible it is for me to have all this done
in time when the majority of the weather
messages do not arrive till between 10 and
11 or later.

Order

Order No. 23rd Nov 1893, N^o 4363.

The Government agree
with the Meteorological Reporter in
considering that his office should be
connected with the General Post
and Telegraph office by a direct
line. Orders will issue in the Public
Works Department for the construction
of such a line.

(True Extract)

Receives
Under Secretary to Govt.

To.

The Public Works Dept.

Meteorological Reporter
to the Govt of Madras.

3862

Govt. of {1893} Madras.
REVENUE.

B

No. 3062. Wd/28 Nov 1893

To
The Public Works
Department.

Dated
Reed. 27.11.93

Encl. 2

Communicated to the
Communicated to the
Superintendent of Telegraphs
Madras Division who
is requested to establish
the required connection
as soon as practicable
as soon as practicable

Mis. G.O. 15th Nov. 1893, No. 4363.

SUBJECT.

Agreeing with the Engineer
logical Report in considering that
her office should be connected with the
General Post and Telegraph Office
by a direct Telegraphic line and
requesting that orders may issue
for the construction of the same.

ms
27.11.93
The Supt. of Tel. Madras
P. W. C. 28.11.93
28.11.93

RECEIVED
28 NOV 1893

INDEXED

29/11

2. C. 28.11

for the order

3062