METEOROLOGICAL OBSERVATIONS.

1867.

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1867

National Oceanic and Atmospheric Administration

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March 04, 2010

METEOROLOGICAL OBSERVATORY.

PORT LOUIS.

Lat. 20° 9' 56" South. Long. 57° 29' 30" East.

RESULTS OF OBSERVATIONS TAKEN IN 1867.

The Barometer and Thermometers are 30 feet above the sea-level. The Barometer, which has a diameter of .564 inch, is by Newman; the Thermometers are by Casella. The direction and force of the wind are only estimated approximately, Osler's Anemometer not having been put in place in consequence of the temporary occupation only of the present Observatory. The Rain-Guage is 25 feet above the ground.

In ordinary weather, five observations on the pressure and temperature of the air, the direction and force of the wind, the amount and character of cloud, &c., are taken daily, viz: at 3½ A. M., 9½ A. M., Noon, 3½ P. M., and 9½ P. M., and, in unusual weather, and on the 21st of each month, hourly observations. The readings of the Self Registering Thermometers and Rain-Guage are recorded daily at 9½ A.M.

Observations.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean of Year.
Barometer.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
(Corrected for altitude and capillarity, and to 32° Fah.)													
Mean of month	29·957	29·939	30·009	29·987	30·054	30·149	30·184	30·182	30·178	30·096	30·095	29·978	30·067
Mean at 3½ A. M.	29·947	29·922	30·004	20·974	30·043	30·128	30·160	30·164	30·164	30·067	30·075	29·958	30·050
Mean at 9½ A. M.	29·980	29·974	30·035	30·018	30·083	30·180	30·220	30·218	30·213	30·131	30·119	30·005	30·098
Mean at noon	29·955	29·940	30·003	29·984	30·042	30·144	30·183	30·176	30·170	30·090	30·093	29·980	30·063
Mean at 3½ P. M.	29·916	29·902	29·966	29·950	30·007	30·107	30·149	30·138	30·134	30·052	30·059	29·947	30 027
Mean at 9½ P. M.	29·988	29·963	30·032	30·009	30·084	30·179	30·203	30·207	30·202	30 130	30·126	30·004	30·094
Highest reading	30·099	30·115	30·127	30·181	30·192	30·281	30·451	30 283	30·349	30·204	30·237	30·143	30·222
Lowest reading	29·747	29·759	29·882	29·750	29·924	29·994	29·992	30·032	30·031	29·987	29·959	29·578	29·886
Range in month	0·352	0·356	0·245	0·431	0·268	0·287	0·459	0·251	0·318	0·217	0·276	0·565	0·335
Range from 3½ A.M. to 9½ A.M	0·033	0·052	0·031	0·044	0·040	0·052	0·060	0·054	0·049	0·064	0·044	0·047	0·047
Range from 9½ A.M. to 3½ P. M	0·064	0·072	0·069	0·068	0·076	0·073	0·071	0·080	0·079	0·079	0·060	0·058	0·070
Range from 3½ P.M. to 9½ P. M	0·072	0·061	0·066	0·059	0·077	0·072	0 054	0·069	0·068	0·078	0·067	0·057	0·066
Range from 9½ P.M. to 3½ A. M	0·041	0·041	0·028	0·035	0·041	0·051	0·043	0·043	0·038	0·063	0·051	0·046	0·043
Mean diurnal range ..	0·052	0·056	0·048	0·051	0·058	0·062	0·057	0·061	0·058	0·071	0·055	0·052	0·056
Temperature of Air													
Dry Bulb Ther. in Shade.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.
Mean of month	85·3	84·9	85·3	82·6	79·5	77·2	74·5	76·4	76·1	78·9	81·1	83·1	80·4

Observations.	Jan.	Feb.	Mar.	April	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean of Year.
Temperature of Air. (*Continued.*)	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.
Highest reading.....	93·5	92·0	91·7	90·2	87·0	83·2	81·0	82·0	82·5	87·0	91·1	91·0	87·0
Lowest reading	79·0	79·3	79·1	76·0	74·0	72·2	68·9	72·0	69·2	70·5	73·0	75·5	74·0
Range in month.....	14·5	12·7	12·6	14·2	13·0	11·0	12·1	10·0	13·3	16·5	18·1	15·5	13·6
Mean of highest daily readings	90·2	89·4	89·5	86·4	83·4	81·0	78·0	76·6	79·8	83·0	86·0	87·9	84·6
Mean of lowest readings	82·0	81·7	82·4	79·7	76·2	75·0	72·7	74·3	73·7	75·9	77·9	80·2	77·6
Mean diurnal range ..	8·2	7·7	7·1	7·7	7·2	6·0	5·3	5·3	6·1	7·1	8·1	7·7	6·8
Greatest diurnal range.	11·1	10·8	9·5	9·4	10·0	11·8	7·1	7·5	8·5	9·8	10·0	10·4	9·6
Least diurnal range ..	4·3	4·4	2·9	3·6	4·4	3·3	3·0	2·5	3.2	2·0	5·5	3·0	3·5
Temperature of Evaporation. (*Wet Bulb Ther. in Shade.*)													
Mean of month.....	76·4	75·8	76·0	73·6	70·7	69·0	66·4	68·3	67·6	69·4	72·9	74·9	71·7
Highest readings	81·8	79·8	80·0	79·0	75·5	74·0	72·2	73·8	73·0	75·5	79·0	79·5	76·9
Lowest readings.....	71·0	68·0	71·6	66·8	65·0	64·0	60·0	62·5	59·0	61·6	64·6	68·0	65·1
Range in month.....	10·8	11·8	8·4	12·2	10·5	10·0	12·2	11·3	14·0	13·9	14·4	11·5	11·7
Mean of highest daily readings	78·1	77·7	78·1	75·3	72·8	70·8	68·3	69.7	69·1	71·2	75·4	76·9	73·6
Mean of lowest readings	74·3	73·4	73·9	71·5	68·2	67·0	64·5	66·0	65·3	67·0	70·8	72·9	71·2
Mean diurnal range ..	3·8	4·3	4·2	3·8	4·6	3·8	3·8	3·7	3·8	4·2	4·6	4·0	4·0
Dew Point. (*Deduced.*)													
Mean of month.....	70·7	69·9	70·0	67·5	64·5	63·3	61·0	62·5	61·6	62·8	67·3	69·4	65·4
Mean at 3½ A.M.....	71·0	70·0	69·9	67·6	64·5	62·5	60·9	62·8	61·2	62·7	66·7	69·1	65·7
Mean at 9½ A.M.....	70·4	69·9	69·9	67·6	64·9	63·9	61·1	62·6	61·9	62·0	67·7	69·4	65·9
Mean at 3½ P.M.....	69·9	69·2	70·3	67·4	64·6	63·2	60·5	61·6	61·7	62·8	68·3	69·8	65·7
Mean at 9½ P.M.....	71·3	70·3	70·1	67·6	64·7	63·5	61·6	63·0	61·5	63·5	67·0	69·6	66·1
Elastic Force of Vapour. (*Deduced.*)	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Mean of month.....	·754	·733	·737	·678	·611	·584	·540	·570	·554	·573	·676	·720	·644
Mean at 3½ A.M.....	·762	·738	·733	·677	·607	·568	·538	·575	·545	·571	·659	·714	·640
Mean at 9½ A.M.....	·747	·734	·734	·679	·617	·597	·543	·572	·556	·558	·684	·720	·645
Mean at 3½ P.M.....	·736	·717	·744	·675	·610	·582	·531	·553	·554	·575	·696	·731	·642
Mean at 9½ P.M.....	·769	·743	·738	·679	·611	·588	·552	·580	·549	·588	·667	·727	·649

Observations.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean of Year.
Humidity. (*Deduced*) (*Compl. Sat.*=1.)	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
Mean of month.....	·617	·608	·608	·606	·604	·623	·629	·625	·610	·578	·631	·639	·615
Mean at 3½ A. M.....	·658	·637	·626	·626	·627	·624	·639	·643	·627	·605	·656	·663	·636
Mean at 9½ A.M.....	·616	·614	·598	·603	·603	·634	·628	·637	·617	·562	·623	·635	·614
Mean at 3½ P. M.....	·567	·567	·596	·588	·589	·603	·606	·592	5.92	·551	·622	·616	·590
Mean at 9½ P. M.....	·635	·617	·606	·605	·602	·630	·642	·623	·611	·594	·625	·637	·619
Temperature in Sun's Rays.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.
Highest reading of Black Bulb Ther. insulated.....	122·2	123·0	122·5	124·0	108·8	105·0	107·0	110·2	108·2	116·0	126·0	123·0	116·3
Lowest reading	103·2	100·0	102·0	96·2	99·0	92·0	90·0	94·0	98·0	103·0	107·0	99·0	98·6
Mean of month.....	116·1	115·9	117·3	104·8	103·1	100·0	99·0	100·8	100·8	111·6	114.8	113·9	108·2
Cloud.—(10·0)	Rel.	Rel	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
Mean of month	5·5	4·6	5·1	5·3	4·4	4·5	5·5	4·9	5·1	4·4	5·4	4·8	4·9
Mean at 3½ A. M.....	4·5	3·2	3·3	4·6	3·2	3·1	4·4	4 4	3·1	2·6	3·8	2·9	3·6
Mean at 9½ A. M.....	6·5	6·1	6·0	5·2	5·0	4·8	6.0	6·1	6·9	6·2	6·7	5·5	5·9
Mean at 3½ P. M.....	7·0	6·4	7·4	7·0	6·2	5·9	7·1	5·7	7·5	6·2	8·0	7·5	6·8
Mean at 9½ P. M.....	4·0	2.8	3·8	4·6	3·2	4·2	4·4	3·5	3·0	2·6	3·2	3·5	3·5
Rain. (*Inches in depth.*)	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Fall in month	1·505	3·455	7·820	4·440	0·800	0·300	1·290	2·020	0·690	0·360	4·140	9·150	2·997
No. of days on which rain fell	12	14	12	16	5	5	8	11	4	2	9	19	10
Wind.													
Prevailing direction.	E.S.E. to W. N.W.	E.S.E. to S. E.	E·S·E. to S. E. & W. N.W.	E.S.E. to S. E.	E.S.E. to S. E. & W. N.W.	E.S.E. to S. E. & W. N.W.	S. E. to E.S.E.	S. E. to E.S.E.	S. E. to E.S E. & W. N.W.	S. E. to E.S.E. & W. N.W.	S. E. to E.S.E. & W. N.W.	E.S.E. to S. E. & W. N.W.	E.S.E. to S. E. & W. N.W.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Mean Max. Force in lbs. per square foot.*	0·37	0.39	0·32	0·74	0·40	0·62	0·53	0·45	0·40	0·33	0·40	0·63	0·46
Mean Force of month.	0·22	0·28	0·22	0·48	0·27	0·38	0·31	0·28	0·26	0·22	0·24	0·32	0·29
Mean Force at 3½ A.M.	0·15	0·26	0·19	0·54	0·24	0·42	0·30	0·25	0·21	0·16	0·21	0·26	0·26
Mean Force at 9½ A.M.	0·27	0·23	0·28	0·50	0·31	0·36	0·30	0·32	0·28	0·29	0·29	0·33	0·32
Mean Force at 3½ P.M.	0·30	0·33	0·25	0·40	0·27	0·35	0.23	0·27	0·30	0·26	0·25	0·36	0·30
Mean Force at 9½ P.M.	0·16	0·27	0·18	0·48	0·25	0·41	0·41	0·30	0·26	0·17	0·20	0·33	0·28

* Only an approximate estimate. No Anemometer has been fixed in the temporary premises for Observatory.

WIND.—NUMBER OF TIMES IT BLEW FROM

Hours of Observations.	North.	N. to N. E.	N. E.	N. E. to E.	East.	E. to S. E.	S. E.	S. E. to S.	South.	S. to S. W.	S. W.	S. W. to W.	West.	W. to N. W.	N. W.	N. W. to N.	Calm.	Variable.
3½ A. M.	0	0	2	4	20	166	100	2	1	0	0	1	2	1	2	0	48	0
9½ A. M.	5	4	8	26	58	82	102	9	1	0	0	1	4	26	23	4	5	0
Noon	0	1	6	20	30	92	113	6	0	0	0	4	14	32	27	9	11	0
3½ P. M.	2	3	6	16	28	86	110	12	0	1	1	8	24	37	8	9	10	0
9½ P. M.	0	0	2	5	32	171	113	1	0	0	0	0	4	4	3	1	25	0
Total	7	8	24	71	168	597	538	30	2	1	1	14	48	100	63	23	99	0

THUNDER AND LIGHTNING.

1867.
January. 2.—Much faint lightning all evening, round horizon.
,, 25.—At 7 P. M., several flashes of vivid lightning, at E. S. Erd. and S. S. Erd.
February 5.—At 7.30 P. M., few flashes of faint lightning, at S. Erd. and Erd.
March 4.—Thunder and lightning, at S. Erd., at 12 A. M.
,, 7.—At 3 P. M., thunder and lightning at Srd.
,, 10.—At 1.50 P. M., three or four peals of thunder at S. S. Wrd. and S. Wrd.
,, ,, —At 7.35 P. M., a few flashes of vivid lightning, at E. S. Erd.
,, 11.—Several peals of thunder overhead, at 1 P. M.
,, ,, —At 1.20 P. M., thunder and lightning, at E. S. Erd.
,, ,, —Thunder at S. S. Wrd. at 3 P. M.
,, 22.—At 6.30 P. M., many flashes of broad vivid lightning, at S. S. Wrd. and Srd.
,, 24.—A few peals of thunder, at E. N. Erd., at 8.25 A. M. At 10.40 A. M., a few peals of thunder at E. N. Erd.
,, 25.—At 7 P. M., several flashes of vivid lightning, at Srd. and S. S. Wrd.
,, 26.—A few flashes of faint lightning, at S. S. Wrd. at 6.35 P. M.
,, 27.—Thunder at S. W. b. Wrd. at 2.25 P. M.

THUNDER AND LIGHTNING.—*(Continued.)*

1867.

November 10.—At 8 P. M., faint flashes of lightning, at Erd. and E. N. Erd.

" " —At 12.30 P. M. a few peals of thunder and lightning at S. Erd.

" 11.—A few peals of thunder and lightning, at Erd. and E. N. Erd. At 1.40 P. M., thunder and lightning, at N. N.Wrd. and Nrd.

" 12.—At 12.45 A. M., a few peals of thunder and lightning, at W. S. Wrd. and S. S. Erd. At 1.30 P. M., thunder and lightning, at N. N. Wrd.

December 1.—At 7 P. M., few flashes of vivid lightning, at S. Erd. round to N. N. Erd.

" 5.—Four or five peals of thunder, at E. S. Erd. at 2 P. M.

" 7.—At 2 P. M., a few peals of thunder, at S. S. Erd. and Srd.

" 23.—Thunder and lightning, at E. S. Erd. and Srd. At 3.50 P. M., heavy peals of thunder and lightning, at S. Erd. and overhead.

METEORS, &c.

January 9.—At 7.55 P. M., a large bright meteor travelling from Erd. to W. N. Wrd. At 9.30 P. M., a shooting star travelling N. b. Erd. to Wrd.

" 11.—Between 9 and 10.30 P. M., saw ten shooting stars between the Nrd. and N. Erd.

February 21.—At 12 P. M. a shooting star travelling from E. S. Erd. to S. S. Erd.

August 7.—At 9.30 P. M., a shooting star travelling from N. Erd. to W. N. Wrd. near horizon.

" 17.—A shooting star travelling from S. S. Erd. to Erd. at 3.30 A. M.

" 22.—Seen, a shooting star travelling from W. N. Wrd. to N. N. Erd. at 9.30 P. M.

" 25.—A shooting star travelling from W. to Srd. near horizon, at 3.30 A. M.

" 27.—Seen, a shooting star travelling from E. S. Erd. to S. S. Erd. near horizon at 9.35 P. M.

November 21.—At 8 P. M., seen, a shooting star travelling from S. to W. S. Wrd. near horizon. At 12 P. M., a shooting star travelling from E. S. Erd. to Srd.

REMARKS.

The monthly means of the Barometer, Dry and Wet Bulb Thermometers, Dew Point, Elastic Force of Vapour, Relative Humidity, Amount of Cloud, and Force of Wind have been derived from the four observations taken daily at 3½ A. M., 9½ A. M., 3½ P. M., and 9½ P. M.

The highest and lowest readings of the Dry and Wet Bulb Thermometers are obtained from daily observations of the Self-Registering Thermometers.

The mean height of the Barometer for the year was 30.067 against 30.081 in 1866.

Highest reading (corrected) of Barometer	30.349 at 9½ A. M. 22nd Sept.	Range 0·771.
Lowest " " "	29 578 at 3½ A. M. 16th Dec.	
Mean daily barometric oscillation	0·056	
Mean temperature of year	80.4° against 77.1° in 1866.*	
Highest reading of Maximum Dry Bulb Ther. in Shade.	93·5° 18th January.	Range 24·6.
Lowest reading of Minimum Dry Bulb Ther. in Shade.	68·9° 11th July.	
Highest reading of Maximum Wet Bulb Ther. in Shade.	81·8° 23rd January.	Range 22·8.
Lowest reading of Minimum Wet Bulb Ther. in Shade.	59·0° 22nd September.	
Highest reading of Maximum Black Bulb Ther. (in vacuo) in Sun's rays	126·0° 24th November.	Range 36·0°.
Lowest reading of do. do	90.0° 10th July.	
Highest Dew Point (from the six hourly observations)	75·0° 28th January.	Range 23·0°.
Lowest Dew Point	52·5° 21st September.	
Highest Tension of Vapour	·884 28th January.	Range ·488.
Lowest do. do.	·396 21st September.	
Highest Relative Humidity (1=Compl. Sat.)	·835 31st July.	Range ·365.
Lowest do do.	·470 4th June.	
Mean approximate estimate of Wind in lbs. per square foot from the six hourly observations	0·29 lb.	
Mean daily Maximum estimate of Wind	0·46 lb.	
Rainfall during the year	35·970 inches.	
Greatest fall in 24 hours	2·560, 13th April.	
Number of days on which rain fell	117.	

* The room in which the instruments were placed in the old Observatory was considerably cooler than the present premises.

TABLE SHEWING THE AMOUNT OF RAINFALL AT DIFFERENT STATIONS IN MAURITIUS, DURING THE YEAR 1867.

MONTHS.	PLACQ.	PAMPLEMOUSSES.						MOKA.				PLAINES WILHEMS.					GRAND PORT.			SAVANNE.
	La Gaieté. Dr. Icery.	Mont Choisy. Mr. Poulin.	Les Rochers. Mr. Souchon.	Botanical Gardens. Mr. Horne.	Riv. du Rempart, Labourdonnais. Mr. Bélin.	Port Louis, (Observatory.) Revd. G. Mc Irvine.	Petite Rivière, Gros Cailloux. Mr. Commins.	Espérance. Mr. R. Telfair.	Croft-an-Righ. Mr. W. Wilson.	Elizabeth Cottage. Mr. De Lissa.	Gentelly. Mr. H. Finniss.	Beau Séjour. Mr. Steup.	Trianon. Mr. Barclay.	The Braes. Mr. Grant.	Westra. Mr. H. Wilson.	Mesnil. Mr. Channell.	Cluny. Mr. Macpherson.	Gros Bois. Mr. Vallet.	Beau Vallon. Mr. Rochecouste.	St. Aubin. Mr. Pitot.
1867.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January	5·932	3·756	5·310	5·354	6·31	1.505	3·82	7·80	4·21	6·565	6·50	4·33	3·47	7·22	5·01	5·35	9·25	5·37	5·65	8·23½
February	11·453	2·635	4·378	6·813	4·03	3·455	5·18	9·64	3·85	8·110	7·17	7·62	5·97	6·43	6·02½	6·17	14·71	13·27½	8·86	4·98½
March	5·663	5·096	1·707	2·126	4·00	7 820	5·68	3·48	5·29	2·330	2·86	9·00	5·94	6·67	5·74	3·77	6·22	4·80	2·94	2·35
April	11·567	4·908	5·885	.....	9·40	4·440	2·70	14·56	7·02	7·350	9·53	6·61	7·97	8·13	13·82	15·57	16·37	12·29	8·95	13·20½
May	4·315	2·034	1·683	2·874	1·87	0·800	0·08	8·27	2·80	2·955	3·00	2·21½	2·08	3·27	3·22	4·22	11·81	5·19	2·70	4·25
June	4·126	1·772	2·204	2·205	2·32	0·300	0·61	4·32	2·07	1·555	2 27	2·19½	1·53	2·00	3·05	2·06	7·24	3·72	2·51	2·82½
July	3·761	4·963	3·270	5·903	4·52	1·290	1·04	10·09	4 23	5·060	3·08	4·48	4 19	4·80	5·70	8·76	10·45	6·50	4·31	6·28
August	1·884	3·622	1·986	4·561	3·31	2·020	1·94	9 66	3 63	3·385	5·62	3·09½	4·32	4·00	5·69	6·24	8·25	5·13	1·46	4·80½
September	3·892	1·513	1·256	2·146	1·95	0·690	0·22	4·63	1·47	1·355	1·41	1·03	1·28	2·55	2·18	3·40	7·86	3·17	2·03	2·65½
October	2·203	0·926	.....	1·693	1·24	0·360	0·43	1·27	0·76	0·650	0·84	0·61	0·61	0·78	0.90	0.90	2·32	2·66	1·11	4·22½
November	6·098	4·995	3·036	2·678	3·16	4·140	3·69	4·64	9·19	5·135	8·80	7·12½	5·30	4·60	4 74	8·14	16·96	6·58	9·16	6·59½
December	15·232	7·064	10·153	22·081	14·88	9·150	9·73	21·58	16·30	18·500	22·59	17·19	17·50	21·58	25·27	30·33	29·79	15·01	11·37	11·25
Total fall in 1867	76·126	43·284	.....	.....	56·99	35·970	35·12	99·94	60·82	62·950	73·67	65.50	60·16	72·03	81·34½	84·91	141·23	83·59½	61·05	71·66
Fall in 1866 ..	57·772	45·049	40·811	.....	50·29	20·741	20·72	88·02	40·68	.....	.....	44·55½	43·24	48·69½	.....	67·67	129·42	70·24½	51·05½	70·51
Fall in 1865 ..	97·546	67·532	60·949	85·371	87·63	44·737	36·57	147·74	79·44	.....	.....	87·11½	81·19	78·77	.....	.....	192·45	135.21	100·84½	115·60½
Fall in 1864 ..	.....	48·894	42·652	51·555	57·25	24·147	24·17	.....	56·61	.....	.....	54·60	48·58	70·59	.....	.....	122·48	83·36	.....	.....
Fall in 1863 ..	.....	54·660	64·275	.....	70·72	33·420	33·35	.....	.....	.....	.....	99·76	80·66	81·09	.....	.....	147·09	.....	.....	.....
Fall in 1862 ..	.....	41·560	41·840	.....	52·23	28·397	25·36	.....	.....	.....	.....	69·07	.....	59·51	.....	.....	122·54	.....	.....	.....

GALES AND HURRICANES AT SEA.

Storms (including two Hurricanes) were experienced by 84 vessels in the Indian Ocean, all more or less remote from Mauritius, during the course of 1867.

A marked change of the barometer at Port Louis was noted simultaneously with many of these,—giving unmistakeable evidence of their existence.

On the 15th and 16th of December 1867, Mauritius was visited by a *Strong Gale*,—being the first that passed over the Island since 1863. The barometer, which began to fall on the 14th December, went down from 30·008 at 3½ P. M., on that day to 29·672 (in all 0·336 inch) at 3½ A. M., on the 16th. The wind was E. & E S. E. from the morning of the 13th to the morning of the 17th.

4·69 inches of rain fell at Port Louis during the 14th, 15th, and 16th.

Detailed accounts of these Gales and Hurricanes are entered in the Records of the Meteorological Society.