

METEOROLOGY OF STRATFORD.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS AT STRATFORD, FOR THE YEAR 1861,
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Approximate height of Stratford above the sea, 1182.

The instruments with which the observations, embodied in the annexed summary, have been taken, were made by Negretti & Zambra of London, England. They are fixed in position in a shed attached to the Grammar School, and are thus protected from being unduly influenced by radiation and the direct force of the wind. Their index and capillarity errors are known, and by the "tables of errors" the readings are corrected at the time of observation.

1. Barometer.

Mean height	28.6955
Highest	29.317 on January 22, at 9 p.m.
Lowest	27.943 on May 7, at 7 a.m.
Yearly range.....	1.374
Greatest daily range.....	0.951 from 7 a.m. of Feb. 7th to Feb. 8th.

The "means" of all the months except June, August, September, and December, were below the mean for the year.

2. Temperature.

Mean of the year.....	43°53
Highest	90°4 on August 2.
Lowest	-20°4 on January 13.
Yearly range	110°8
Greatest monthly range.....	67°2 in February.
Least " "	31°6 in November.
Greatest daily range	36°5 on May 30.
Least " "	4°2 on April 2.
Warmest month, July, mean temperature.	65°9
Coldest month, January, " "	18°6

The "means" of six months, from May to October inclusive, were above the "mean" of the year.

3. Elasticity.

Mean of the year.....	.275
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4. Humidity (Saturation being 100.)

Mean of the year.....	81
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5. Amount of cloudiness (0-10.)

Mean of the year.....	6.5
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6. Rain.

Number of days on which rain fell.....	119
Number of hours during which rain fell..	759.45
Depth in inches	31.8135

The month in which the greatest amount of rain fell, was July, depth. 4.4772 inches. The month in which the least fell was January, depth, 0.4138 inches.