[Form No. 122 *h*—1889.]

SIGNAL SERVICE.

Voluntary Observer's Meteorological Record.

Station: Salem Va.

Month of June, 1891

NOTES.

This form provides for observations of Temperature and Precipitation only.

These data are exceedingly important and the record should be made with extreme care.

Observations should never be omitted, if possible to make them.

The daily mean temperature is found by the formula 1/4 (7 + 2 + 9 + 9).

When it is not practicable to make tri-daily observations, good results may be obtained by taking two observations daily, selecting hours of the same name, viz: 7 a. m. and 7 p. m., or 8 a. m. and 8 p. m., preferably the latter. The mean daily temperature in such case is obtained by taking one-half of the sum of the two observations.

When maximum and minimum thermometers, only, are used the mean will be obtained by taking one-half of the sum of the readings of the two instruments.

Fractions of degrees should be recorded in tenths, thus: 72.1, &c.

The monthly means are determined by dividing the sums of the daily means by the number of days.

Under the heading "Precipitation" should be noted the time of beginning and ending of the fall of rain or snow, and the true depth in inches and hundredths expressed decimally; also the depth of snow, in inches. Rain to be indicated by R. and snow by S., thus: 1.20 R., .60 S. Ten inches of snow are equivalent to one inch of rain When the amount of precipitation is too small to measure the fact should be indicated by the word "Trace" written in the space for that day and amount. Under the heading "Average depth of snow" should be entered the record of the average of several measurements (not less than three) where the snow lies well on the level.

If any observation is not taken write in the space the word "blank." The blank spaces on the form for name of observer, place of observation, month during which the observations were made, etc., should always be carefully filled up.

In forwarding this form to the office of the Chief Signal Officer write on left-hand corner of envelope Records Division.

A. W. GREELY,
Chief Signal Officer.

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MONTHLY SUMMARY.

Mean temperature, 77.1 a
Maximum temperature, 92.5 Date, 24 d
Minimum temperature, 53.2 Date, 8 d
Total precipitation, including melted snow, 6:44 /
Number of days upon which 0.01, or more, of rain, or melted snow, fell, 8
Depth of snow, in inches, on the ground on 15th ; at end of month, 0
Total snowfall, in inches, during the month, 0
Frost, dates of, 0
Thunder-storms, dates and time, 22 d Record
Hail, dates and time, 0
Sleet, dates and time, 0
Auroras, dates and time, 0
Miscellaneous phenomena,