

# MONTHLY WEATHER REVIEW,

## MAY, 1875.

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WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF

TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

### INTRODUCTION.

The Weather Review for the current month is based upon the regular tri-daily telegraphic Weather Maps, and upon regular Monthly Reports from 92 Signal Service stations, 12 Canadian stations, 52 Army Surgeons, 1 Naval Hospital, 301 Volunteer Observers, and upon miscellaneous sources of information.

The principal features of the month have been (1) the low temperature in the eastern portions of the country, attending an extensive area of high barometer. The temperature has been generally below the average for the month, and especially so in the St. Lawrence valley. It has been above the average from the Gulf States to the Lower Lake region. (2) The tornadoes in Iowa, Illinois, Indiana and Ohio. (3) The excess of rain on the south Atlantic coast and from Missouri to Indiana, the deficiency in Tennessee, the Gulf and Middle Atlantic States. (4) The absence of auroras and thunder-storms. (5) The continuance of extensive ice-fields and large ice-bergs in the Gulf of St. Lawrence and to the south and east of Newfoundland.

### BAROMETRIC PRESSURE.

The general distribution of barometric pressure during the month is easily seen from the isobars on Map No. II. The highest pressure, as usual, is on the south Atlantic coast. The lowest pressure is in the Northwest, where the barometer is apparently lower by 0.05 than in May, 1874. On the Pacific coast the pressures have been lower in California and higher in Oregon than in the preceding year.

1. *Areas of high barometer.*—The prevailing high barometer off the south Atlantic coast was especially marked on the 14th and 19th. The great southward flow of dry, cold air that took place on the 14th, 15th, 16th and 17th, reaching from British America to Florida and prevailing over the entire country east of the Mississippi until the 18th, was the most remarkable feature of the month.

I. Passed eastward on the 2d over the Southwest, and on the 3d over the Ohio valley to the Atlantic coast.

II. Passed from the Southwest on the 4th eastward to the south Atlantic coast on the 5th.