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Abstract

To research the distribution of air temperature in the city of Tajimi, Gifu prefecture, a total of 15 thermometers were placed at the schools and parks in the city of Tajimi, and the city of Kasugai, Aichi prefecture in August 2010. From the distribution of monthly average air temperature, air temperature at the center of Tajimi city was higher than the suburbs. Also, the days of daily minimum air temperature more than or equal to 25°C and daily maximum air temperature more than or equal to 35°C at the elementary school near the center of Tajimi city was more than those at other schools. This tendency appeared more clearly on the days of daily minimum air temperature more than or equal to 25°C. Also, the air temperature near the center of the city was higher than that of the suburbs in the early morning. Thus, it was indicated that the air temperature was hard to decrease as the bottom of the basin. From these results, the influence of urbanization to the formation of the daily minimum temperature in Tajimi city was indicated.

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