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C. F. TALMAN, Meteorologist in Charge of Library.

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SOLAR OBSERVATIONS.

SOLAR AND SKY RADIATION MEASUREMENTS DURING SEPTEMBER, 1922.

By HERBERT H. KIMBALL, in Charge, Solar Radiation Investigations.

For a description of instruments and exposures, and an account of the method of obtaining and reducing the measurements, the reader is referred to this REVIEW for April, 1920, 48:225.

From Table 1 it is seen that direct solar radiation intensities averaged slightly below the normal for September at Washington and Madison, and very close to normal at Lincoln.

Table 2 shows that the total solar and sky radiation received on a horizontal surface averaged above the September normal at both Washington and Madison.

Skylight-polarization measurements made on 13 days at Washington give a mean of 57 per cent, with a maximum of 65 per cent on the 25th. At Madison, measurements made on 10 days give a mean of 64 per cent, with a maximum of 74 per cent on the 26th. These are average polarization values for September at the respective stations.