

Technical Report No. 97
1970 METEOROLOGICAL DATA AVAILABILITY
FOR THE PAWNEE SITE

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ABSTRACT

A major purpose of the meteorological system of the Grassland Biome, IBP, is to make meteorological data available to other scientists. For some purposes rapid data recording is necessary. Therefore, all values are recorded at one-minute intervals and, normally, summaries are made for one-hour intervals. In order for an investigator to use hourly meteorological data, it is necessary to manually sort through voluminous computer output. Even after considerable time and effort is spent examining the output, it is practically impossible for an investigator to relate data availability of one or several parameters to one or several other parameters. As a result of these difficulties, a summary record of availability was developed.

METEOROLOGICAL DATA AVAILABILITY

The use of an *Informatic Form of Data* (Bellamy 1961) was utilized in summarizing the meteorological data available from the Pawnee Site for the year 1970. The incremental notation concisely portrays the availability of data (Fig. 1).

The basic time component for this summary is one month. Within each monthly block, there are individual notations identifying day of the month and hourly groupings within each day.

The meteorological hourly data availability from the Pawnee Site (Grassland Biome) is condensed on a single sheet (Fig. 2). This is a collection of the previously mentioned data blocks arranged such that the rows and columns represent individual months and individual parameters, respectively.

Data indicated in Fig. 2 is on file at the Grassland Biome's central data bank at the Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, Colorado 80521. Available data can be obtained on request from this file.

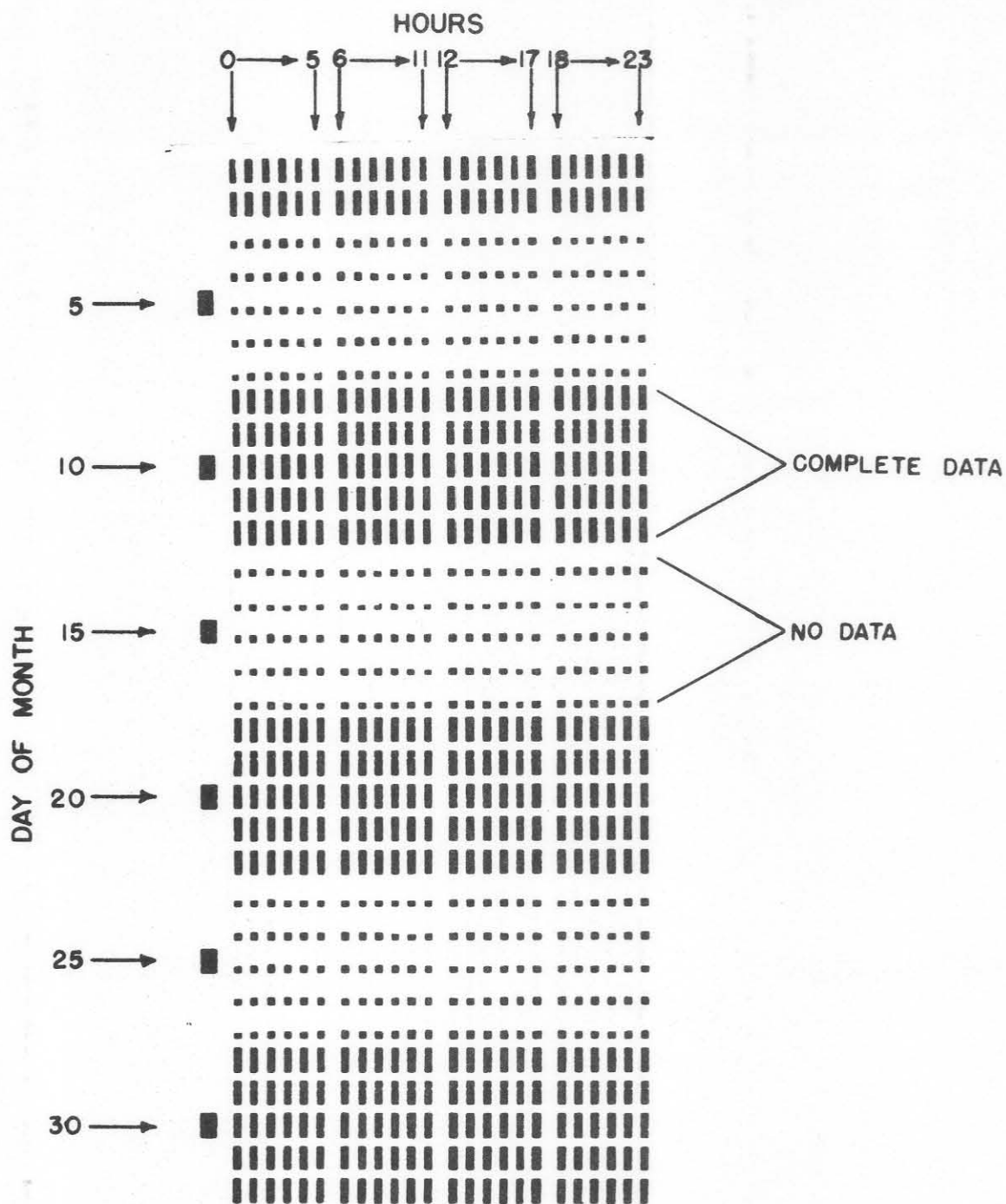


Fig. 1. Example periods of data availability.

Grassland Biome Meteorological Data Availability

Pevease Site - Neen, Colorado

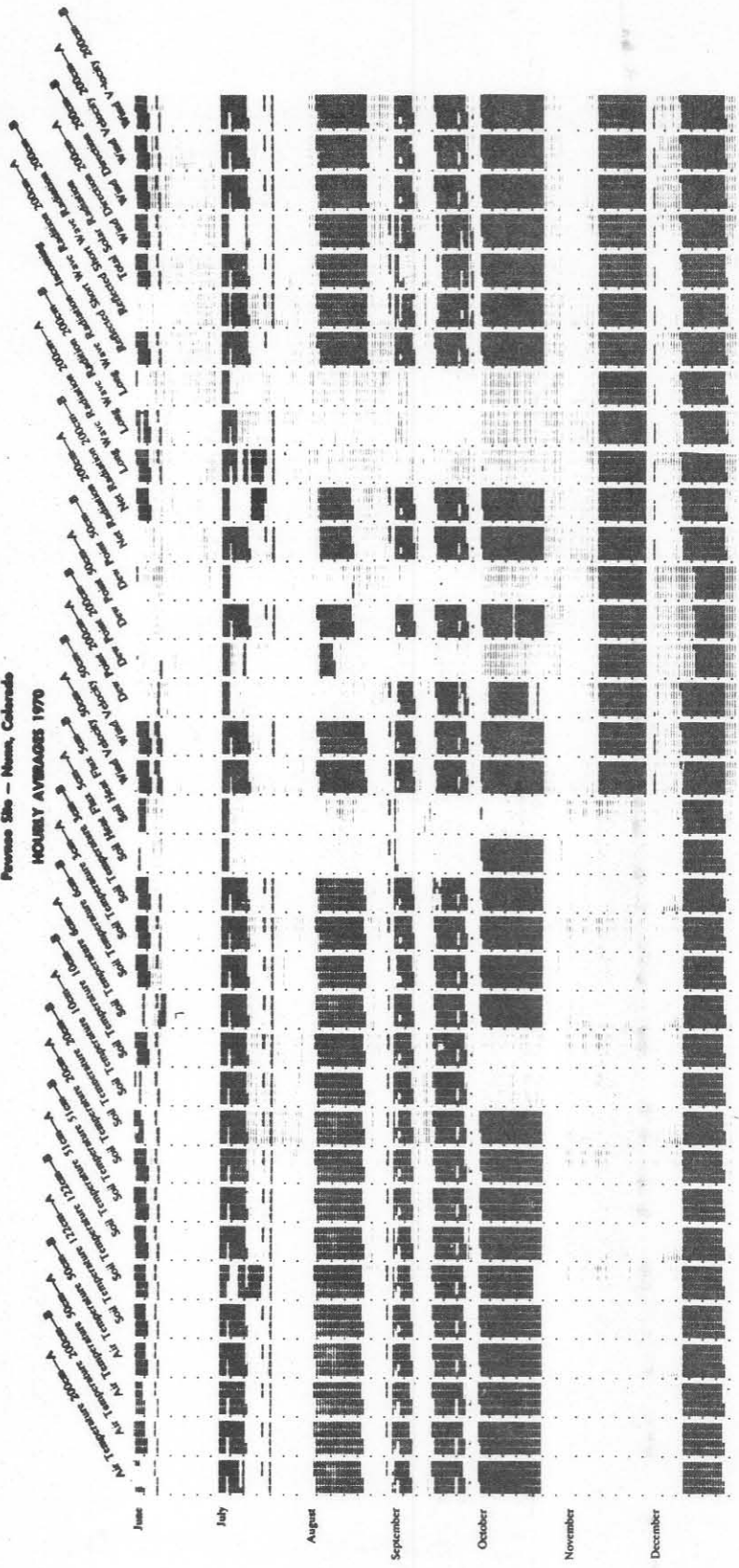


Fig. 2.

LITERATURE CITED

Bellamy, John C. 1961. Informatic forms of data, 1961. Natur. Resources Res. Inst., Univ. Wyoming, November 1961, Informatic Circ. No. 12.