

MONTHLY MOONLIGHT DIAGRAMS— JULY 1945



EXPLANATION

In each diagram time is represented on the horizontal axis in hours of local civil time from 1 P. M. to 8 A. M. For the date being considered, locate the hour and minute indicated in degrees on the right and set hand vertical under. Hours of darkness are shown by the black area.

The following information is presented for the convenience of Greenwich:

- (1) The local civil time of sunset and the duration. Shown by the vertical, straight hand at left of the black area.
- (2) The local civil time of sunrise and the duration. Shown by the vertical, straight hand at right of the black area.
- (3) The local civil time of sunrise and sunset, morning hours of darkness, and the duration. Shown by the lines of sunrise and sunset, the lines of sunrise being indicated by the solid line and the lines of sunset by the dashed line.
- (4) The altitude of the moon at any time between 1 P. M. and 1 A. M.
- (5) The number of hours of moonlight.
- (6) The phase of the moon.
- (7) The time of rising, the time vertical and the number of hours of darkness between sunset and sunrise.

For latitude between 60° and 0°, the value of the quantities shown may be approximated by interpolation. A complete explanation of the use of Greenwich may be made from the accompanying diagrams by a comparison between the preceding or following diagrams.

The altitude can be read on the vertical axis at the point of the curve corresponding to the time of the observation.

Shown by the horizontal extent of the white portion into the curve in the black area.

Shown by the clock circle in black area.

Shown by the location of the letters E, W, N, S, on the hour axis.

The following additional information is given in tabular form:

- (1) The local Greenwich civil time of the occurrence of Greenwich of sunrise, first quarter, full moon and last quarter.
- (2) A table showing the relation between phase and brightness of the moon.

At Greenwich		Approximate Brightness	
Phase	Brightness	Phase	Brightness
July 2	18	1	1
1	13	2	1
1	7	3	1
1	2	4	1
1	2	5	1
1	2	6	1
1	2	7	1
1	2	8	1
1	2	9	1
1	2	10	1
1	2	11	1
1	2	12	1
1	2	13	1
1	2	14	1
1	2	15	1
1	2	16	1
1	2	17	1
1	2	18	1
1	2	19	1
1	2	20	1
1	2	21	1
1	2	22	1
1	2	23	1
1	2	24	1
1	2	25	1
1	2	26	1
1	2	27	1
1	2	28	1
1	2	29	1
1	2	30	1
1	2	31	1

Accession Number M1970-01

Description

An American chart titled "Monthly Moonlight Diagrams-July 1945." This chart is on the back of M1970. Donated by Knux A. Erickson.

Date(s)

ca.
July, 1945

Cartographer Hydrographic Office, Secretary of the Navy.

Keywords [World War, 1939-1945](#)

Photo Color Color

Physical Size 26 1/4 X 38 1/4 inches

Related Collection (Plain)

Thirty-Fifth Division Association Records

Restrictions Unrestricted

TIF Identifier M1970-01.tif

Rights

This item is in the public domain and can be used freely without further permission.

Note: If you use this image, rights assessment and attribution are your responsibility.

Credit: Hydrographic Office, Secretary of the Navy.

Courtesy Harry S. Truman Library & Museum, Independence, Missouri.

Attention media: Please make note of this item's map number. Print out this page and retain it for your permissions records before downloading this image file for possible publication. Library staff cannot sign permissions forms or provide additional paperwork. The Library charges no usage fees for downloaded images. Fees are charged for higher resolution scans.