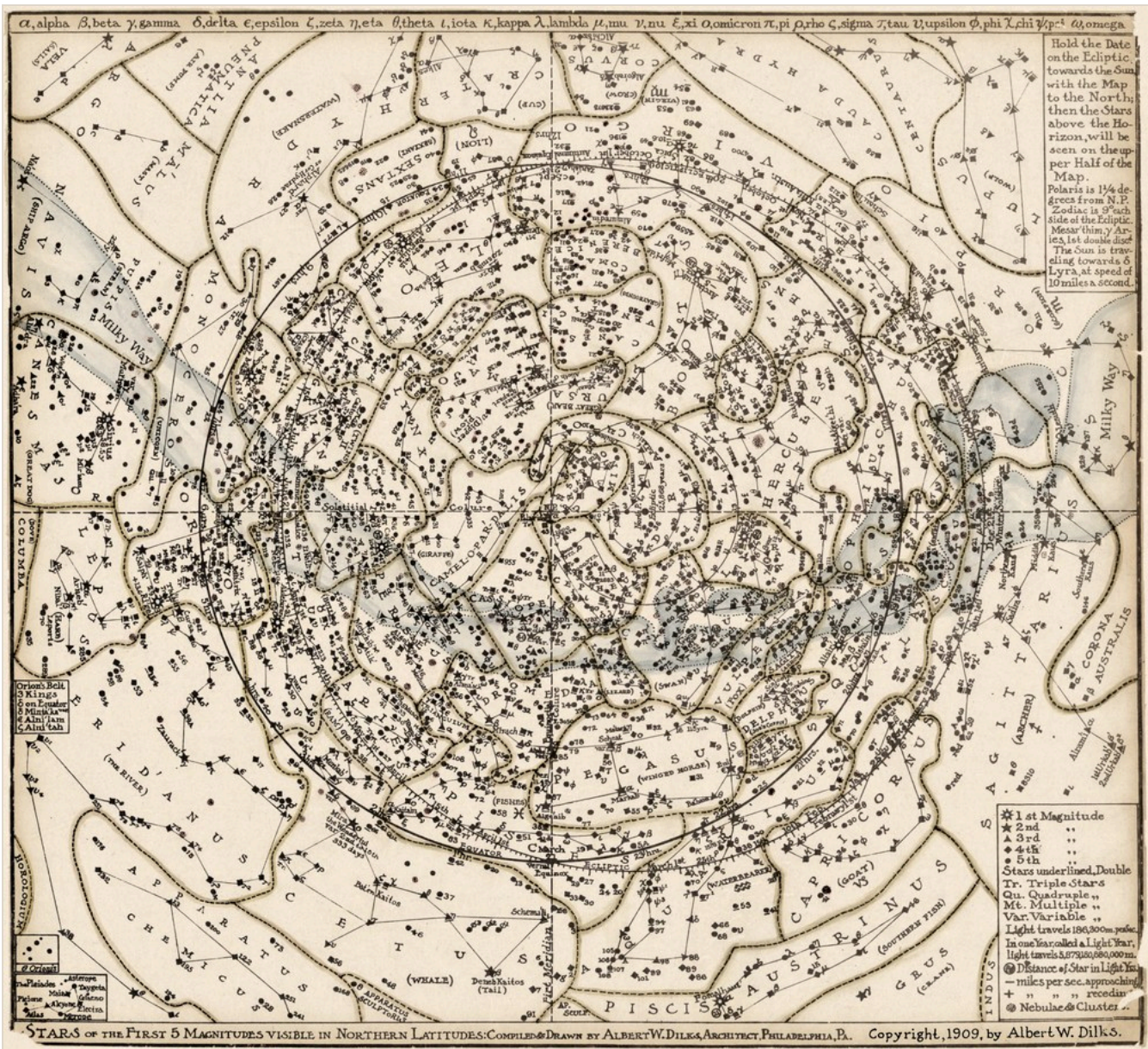


Stars of the First 5 Magnitudes Visible in Northern Latitudes

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Albert W. Dilks
Credits	Albert W. Dilks, architect, Philadelphia (compiled and drawn, as printed on the sheet)
Imprint	Philadelphia, PA : Albert W. Dilks, [1909]; copyright 1909
Year	1909
Technique	Photocopy (record), color (record); the Milky Way is tinted blue
Source	Library of Congress, Geography and Map Division, G3190 1909 .D5 https://www.loc.gov/item/2013593148/ · Original: public domain (published 1909), Library of Congress, Geography and Map Division. Restoration (c) Old Map Studio.
Notes	Star chart of the northern sky to the fifth magnitude, with constellation boundaries, the ecliptic with dates, the equator and the Milky Way; a Greek alphabet key along the top, instructions for use at

upper right and a magnitude key at lower right. Record: LC copy photocopy with slightly different typography and mounted on cloth is similar to LC original printed copy. Imprint line on the sheet: Compiled & drawn by Albert W. Dilks, Architect, Philadelphia, Pa. Copyright, 1909, by Albert W. Dilks (read from the sheet).

WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 235.13, warmth 31.0.
- Scanner edge removed: top 0, bottom 0, left 0, right 0 px. No mount board: the sheet was scanned on its own.
- The printed line deepened by a monotone tone curve; ink area changed by 1.06× — the lines are darker, not thicker.
- Owner marks: Small specks of dirt were lifted from the paper. No printed line was retouched and no part of the chart was redrawn; the blue tint of the Milky Way is as in the original.

WHAT WAS NOT DONE

- no map content added, removed or redrawn
- no retouching over printed ink
- no change of proportions
- no global filter
- paper neither bleached white nor tinted
- marks of the copy kept as they are: no plate mark or deckle edge is claimed, since the holder's copy is a photocopy

MEASURED ON RELEASE

The line is deep, not thickened	ink core 17 of 255 · ink area 1.06× the source
Nothing is burnt out at either end	0.00% of the sheet clipped to white · 0.03% crushed to black
The paper is even across the whole sheet	level 235 · unevenness 3.29, where 4 is the limit
The paper is warm — neither bleached nor tinted	R–B 31, inside the 24–40 band of the studio standard (paper tone D)
Paper texture is kept, not smoothed away	0.88 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.79× the source · halo 0.00%
Nothing of the archive is left behind	stains 0.00% · specks 0.00%

Engine revision 8, standard revision 7.1. Every criterion, with its target and the measured value, is listed in the record below.

WHAT IS IN THE ARCHIVE

446-stars-of-the-first-5-magnitudes-1909-full-300dpi.jpg	58.6 MB
446-stars-of-the-first-5-magnitudes-1909-trim-300dpi.jpg	58.1 MB
formats/446-stars-of-the-first-5-magnitudes-1909-3x2-300dpi.jpg	70.9 MB
formats/446-stars-of-the-first-5-magnitudes-1909-4x3-300dpi.jpg	65.7 MB
formats/446-stars-of-the-first-5-magnitudes-1909-5x4-300dpi.jpg	63.0 MB

formats/446-stars-of-the-first-5-magnitudes-1909-iso-300dpi.jpg	68.2 MB
446-stars-of-the-first-5-magnitudes-1909-passport.pdf	this document

Six print files and this passport, 385 MB in total, delivered as six separate ZIP archives (one print file, the passport and a READ ME in each). Nothing else: the catalogue previews and the 1:1 detail crops shown on the shop page are not padding out this archive — any crop you want is already inside the full-resolution file.

Largest print at 300 dpi: 53.2 × 48.5 cm. At 240 dpi: 66.5 × 60.7 cm. At 200 dpi, still sharp on matte paper at arm's length: 79.8 × 72.8 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	17.0	2-22
black point (full resolution)	3.0	2-14
white point	243.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.03	0
paper level	235.13	227-237
paper evenness across the sheet	3.29	0-4
paper warmth R-B	31.0	24-40
residual stains, %	0.0	0-0.2
residual specks, %	0.0	0-0.5
paper texture kept vs source	0.88	0.60-1.00
edge sharpness vs source	1.79	>= 1.00
halo around lines	0.0	0-2
ink area vs source	1.06	0.90-1.12
absolute edge sharpness	474.09	>= 20

Restoration © Old Map Studio, 2026-09-25. The original map is in the public domain. This passport records what was measured, not what was hoped for.