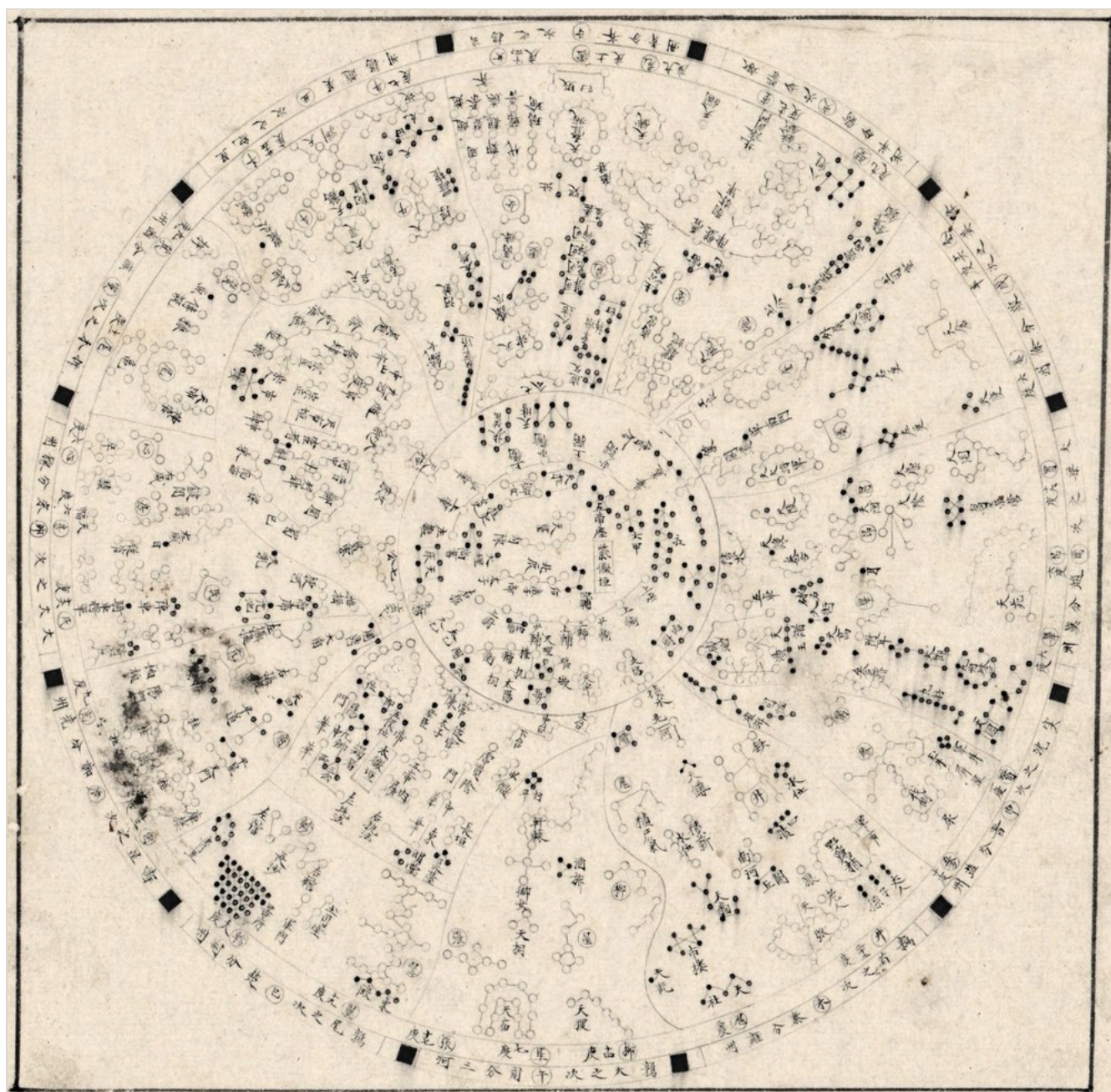


Fen ye yu tu: Astronomy Chart

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Unknown (no maker named in the Library of Congress record)
Imprint	[Between 1601 and 1633] (record)
Year	1601-1633 (record: between 1601 and 1633)
Technique	Pen-and-ink manuscript (record), black ink
Source	Library of Congress, Geography and Map Division, G2306.F7 F4 1633 https://www.loc.gov/item/2002626777/ · Original: public domain, Library of Congress, Geography and Map Division. Restoration (c) Old Map Studio.

Notes	Circular Chinese star chart from a manuscript atlas of Ming China: the asterisms around the pole with their names, the lunar lodges and the outer ring relating the sky to the provinces of the realm (fen ye, field allocation). Record: covers Beijing, Nanjing and 13 other provinces of the Ming dynasty; cover title; pen-and-ink; includes astronomy chart. Previous call number G2305.F4.
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WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 235.02, warmth 32.0.
- Scanner edge removed: none recorded. No mount board: the sheet was scanned on its own.
- The drawn line deepened by a monotone tone curve; ink area changed by 1.18× — the lines are darker, not thicker.
- Owner marks: Small specks of dirt were lifted from the paper, and brown drops on the blank paper at lower left were lightened with texture from clean paper of the same leaf. Black ink blots lying over characters at lower left were left as they are, because they are the same ink as the drawing; a faint trace remains where one drop meets a stroke. No character or line was redrawn.

WHAT WAS NOT DONE

- no map content added, removed or redrawn
- Brown drops touching one character at lower left were lightened; the stroke itself was not redrawn and a faint trace remains at 1:1.
- no change of proportions
- no global filter
- paper neither bleached white nor tinted
- authenticity marks kept: deckle edge, honest patina

MEASURED ON RELEASE

The line is deep, not thickened	ink core 15 of 255 · ink area 1.18× the source
Nothing is burnt out at either end	0.00% of the sheet clipped to white · 0.00% crushed to black
The paper is even across the whole sheet	level 235 · unevenness 3.12, where 4 is the limit
The paper is warm — neither bleached nor tinted	R–B 32, inside the 24–40 band of the studio standard (paper tone D)
Paper texture is kept, not smoothed away	1.06 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.39× 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

348-fen-ye-yu-tu-loc-2002626777-1601-full-300dpi.jpg	6.5 MB
348-fen-ye-yu-tu-loc-2002626777-1601-trim-300dpi.jpg	6.5 MB
formats/348-fen-ye-yu-tu-loc-2002626777-1601-3x2-300dpi.jpg	8.4 MB

formats/348-fen-ye-yu-tu-loc-2002626777-1601-4x3-300dpi.jpg	7.8 MB
formats/348-fen-ye-yu-tu-loc-2002626777-1601-5x4-300dpi.jpg	7.4 MB
formats/348-fen-ye-yu-tu-loc-2002626777-1601-iso-300dpi.jpg	8.1 MB
348-fen-ye-yu-tu-loc-2002626777-1601-passport.pdf	this document

Six print files and this passport, 45 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: 23.1 × 22.6 cm. At 240 dpi: 28.9 × 28.2 cm. At 200 dpi, still sharp on matte paper at arm's length: 34.7 × 33.9 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	15.0	2-22
black point (full resolution)	12.0	2-14
white point	241.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.0	0
paper level	235.02	227-237
paper evenness across the sheet	3.12	0-4
paper warmth R-B	32.0	24-40
residual stains, %	0.0	0-0.2
residual specks, %	0.0	0-0.5
paper texture kept vs source	1.06	0.60-1.00
edge sharpness vs source	1.39	>= 1.00
halo around lines	0.0	0-2
ink area vs source	1.18	0.90-1.12
absolute edge sharpness	300.13	>= 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.