

Chart of the World according to Mercator's Projection, Shewing the Tracks & Discoveries of Captain Cook

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Russell (engraver), for Guthrie's New System of Geography
Credits	Russell junior, engraver; C. Dilly and G.G. & J. Robinson, publishers, London; engraved for William Guthrie's New System of Geography
Imprint	[London] : Published as the Act directs by C. Dilly & G.G. & J. Robinson, April 7 1799
Year	1799
Technique	copper engraving, outline hand colouring
Source	Boston Public Library, Norman B. Leventhal Map & Education Center, G3201.S12 1799 .C5, commonwealth:9s161c696 https://collections.leventhalmap.org/search/commonwealth:9s161c696 · LMEC/BPL no known restrictions
Notes	Relief shown pictorially. Engraved for Guthrie's new system of geography. Scale not given.

WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 236.13, warmth 33.0.

- Scanner edge removed: top 84, bottom 142, left 142, right 142 px. No mount board: the sheet was scanned on its own.
- The printed line deepened by a monotone tone curve; ink area changed by 1.04× — the lines are darker, not thicker.
- Owner marks: Library marks removed at the owner's decision: a round "Boston Public Library" stamp on the graticule near the equator (its ink separated by colour; the engraved lines beneath were kept, the thin line is faint in places), an accession stamp "Phi. April 2 1900 F." inside the border, "No 24" and pencil shelf numbers on the margins. A browned tape repair on the lower margin (outside the trimmed version) was covered with this sheet's paper texture. No engraving was redrawn.

WHAT WAS NOT DONE

- no map content added, removed or redrawn
- retouching over printed ink only where library stamps lay across the graticule: the stamp ink was separated by colour and the engraved lines beneath were kept (see Owner marks)
- no change of proportions
- no global filter
- paper neither bleached white nor tinted
- authenticity marks kept: plate mark, deckle edge, honest patina

MEASURED ON RELEASE

The line is deep, not thickened	ink core 16 of 255 · ink area 1.04× 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 236 · unevenness 1.53, where 4 is the limit
The paper is warm — neither bleached nor tinted	R–B 33, inside the 24–40 band of the studio standard (paper tone D)
Paper texture is kept, not smoothed away	1.05 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.34× 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

362-chart-of-the-world-according-to-1799-full-300dpi.jpg	25.1 MB
362-chart-of-the-world-according-to-1799-trim-300dpi.jpg	20.8 MB
formats/362-chart-of-the-world-according-to-1799-3x2-300dpi.jpg	22.1 MB
formats/362-chart-of-the-world-according-to-1799-4x3-300dpi.jpg	21.7 MB
formats/362-chart-of-the-world-according-to-1799-5x4-300dpi.jpg	22.6 MB
formats/362-chart-of-the-world-according-to-1799-iso-300dpi.jpg	20.9 MB
362-chart-of-the-world-according-to-1799-passport.pdf	this document

Six print files and this passport, 133 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: 68.0 × 48.3 cm. At 240 dpi: 85.0 × 60.3 cm. At 200 dpi, still sharp on matte paper at arm's length: 102.0 × 72.4 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	16.0	2-22
black point (full resolution)	11.0	2-14
white point	243.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.0	0
paper level	236.13	227-237
paper evenness across the sheet	1.53	0-4
paper warmth R-B	33.0	24-40
residual stains, %	0.0	0-0.2
residual specks, %	0.0	0-0.5
paper texture kept vs source	1.05	0.60-1.00
edge sharpness vs source	1.34	>= 1.00
halo around lines	0.0	0-2
ink area vs source	1.04	0.90-1.12
absolute edge sharpness	381.37	>= 20

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