

Patricia 2001 - Major feature improvements since 6 July 2026

V1.02 New & upgraded measurement tools and more

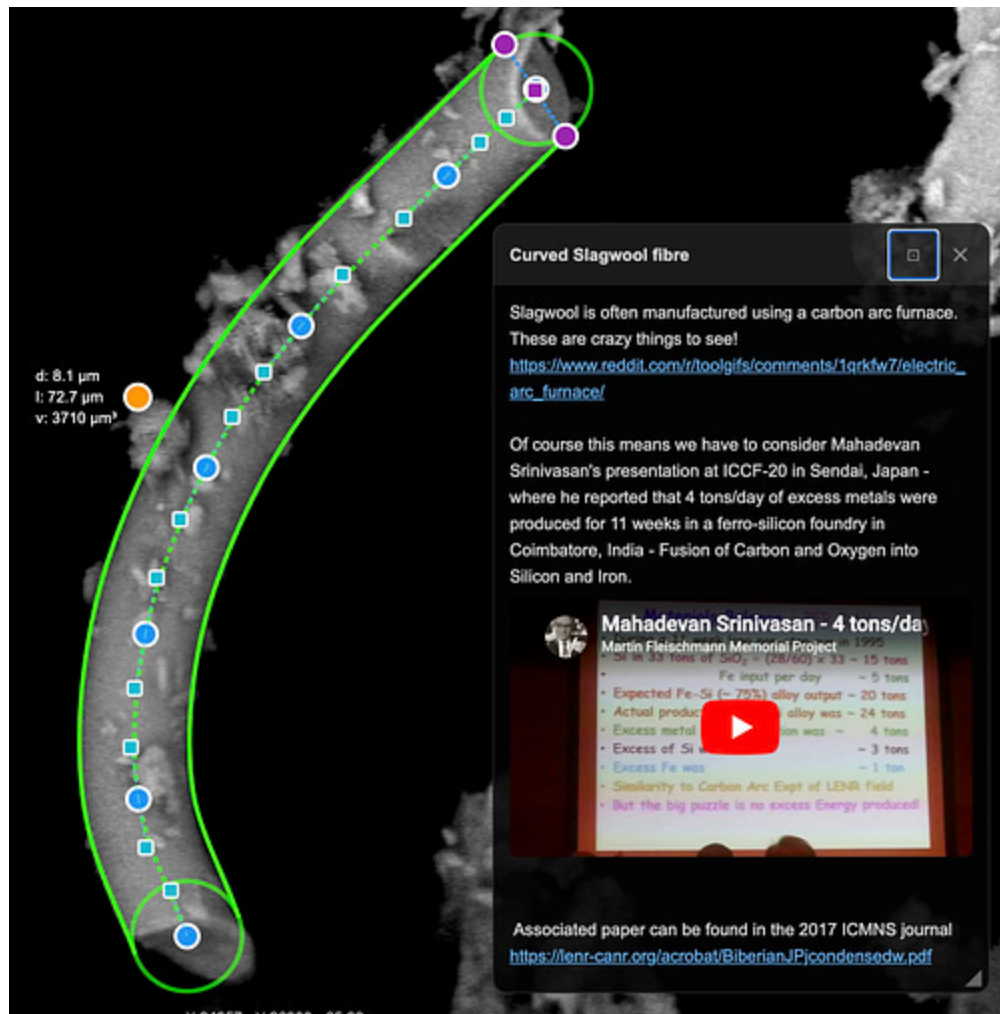


BOB GREENYER

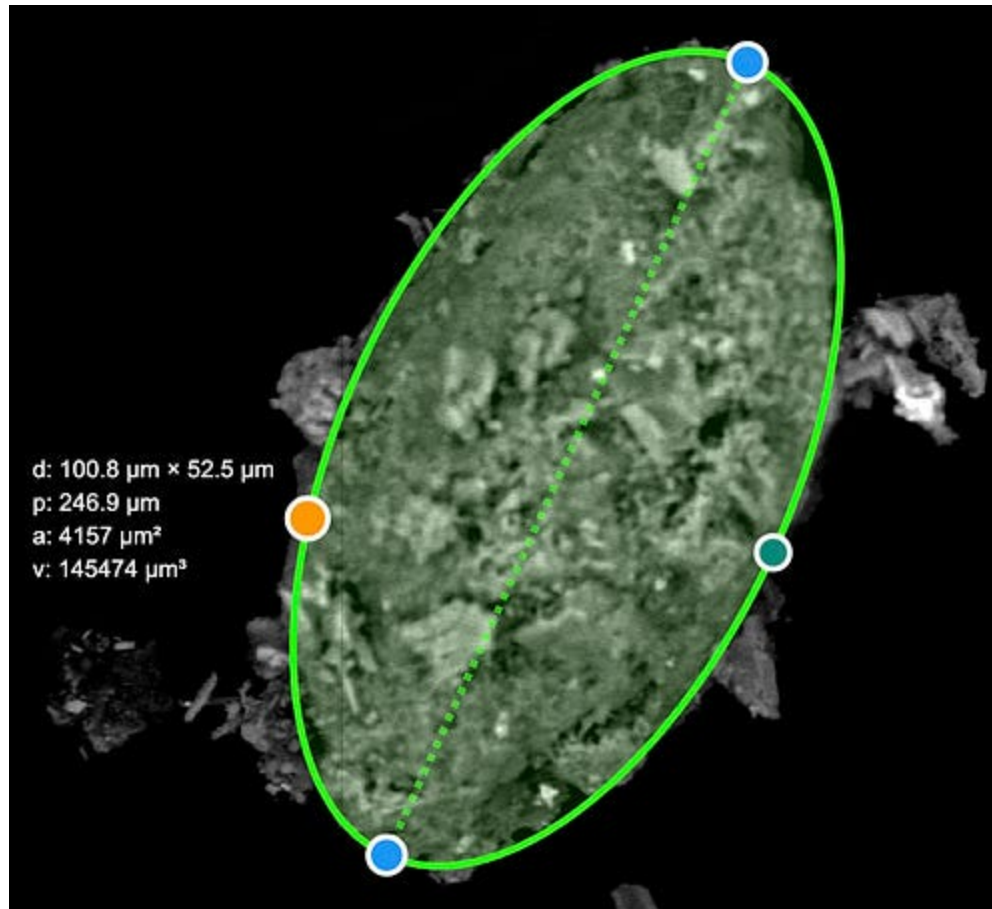
JUL 10, 2026

Major improvements and parity between desktop and tablet versions of the viewer, selected items below:

- **Cylinder tool v2** - diameter gauge locked orthogonal to and symmetric about the centre-line (drag either handle to set radius, a square slides it along the axis), a kink-free centripetal Catmull-Rom axis spline with true offset walls (no more self-intersections on tight bends), and per-node tangent handles to steer the curve. Recorded data measures bit-identically; CSV schema untouched.



- **True ellipse** - the Circle's two diameter handles now act as the major axis (drag to rotate + resize) with a teal compression handle that squashes the minor axis. Labels show major × minor plus ellipse area/perimeter/volume; stored as minorRatio (1 = plain circle, fully backward-compatible).



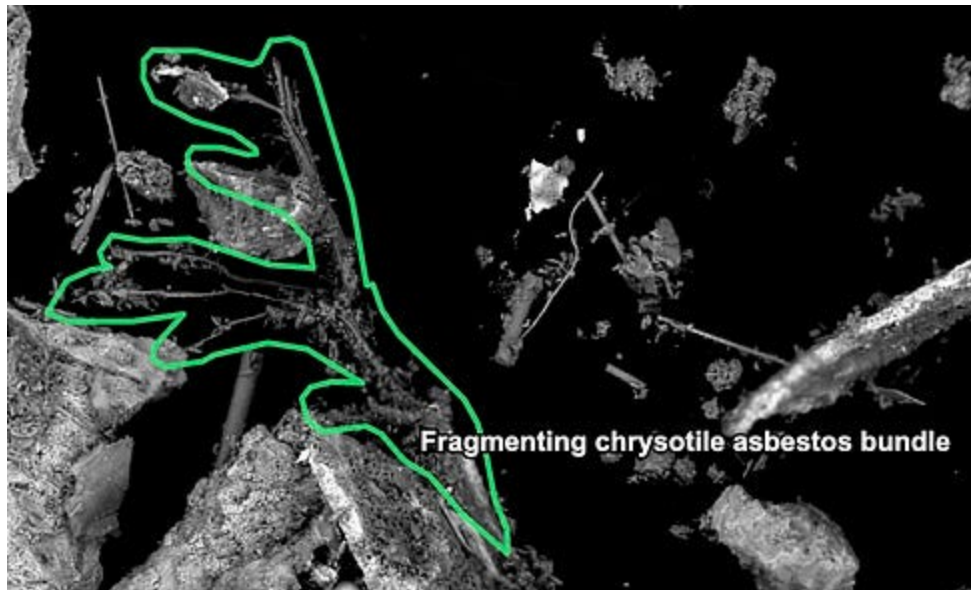
- **Point callouts** - a point recorded "as callout" pins its name as an always-visible on-image label, independent of the Markers toggle.



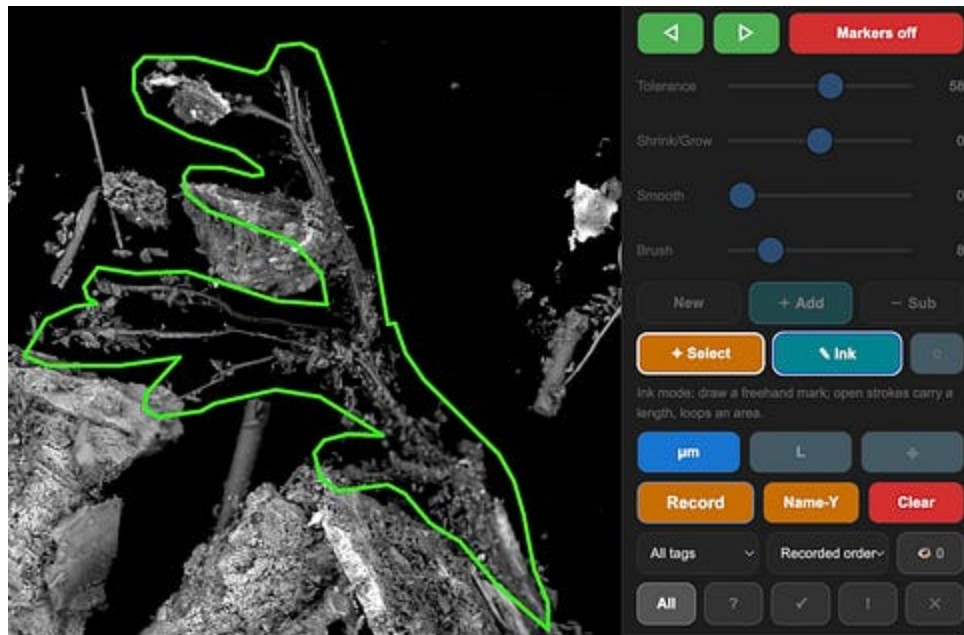
- **Polygon integrity** - rotating or scaling a regular polygon keeps it a clean N-gon when the node count later changes (genuine vertex edits still resample).

Magic-wand / annotation workflow

- **Wand ink annotation** - a freehand stroke becomes a named, persistent on-image mark: open strokes render as a measured polyline (length), closed loops as a region (area). New ink measurement type end-to-end; nodes hidden by default, revealed by the  toggle for correction.



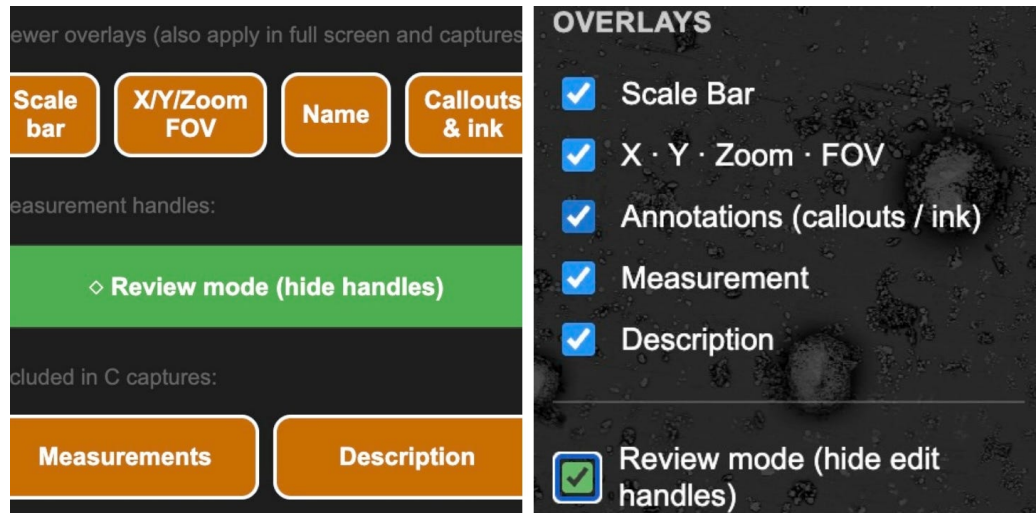
- **Shared  Select /  Ink controls** - both apps present a consistent [ Select |  Ink | ] row with a matched colour palette; inapplicable sliders and Boolean modes grey out in ink mode.



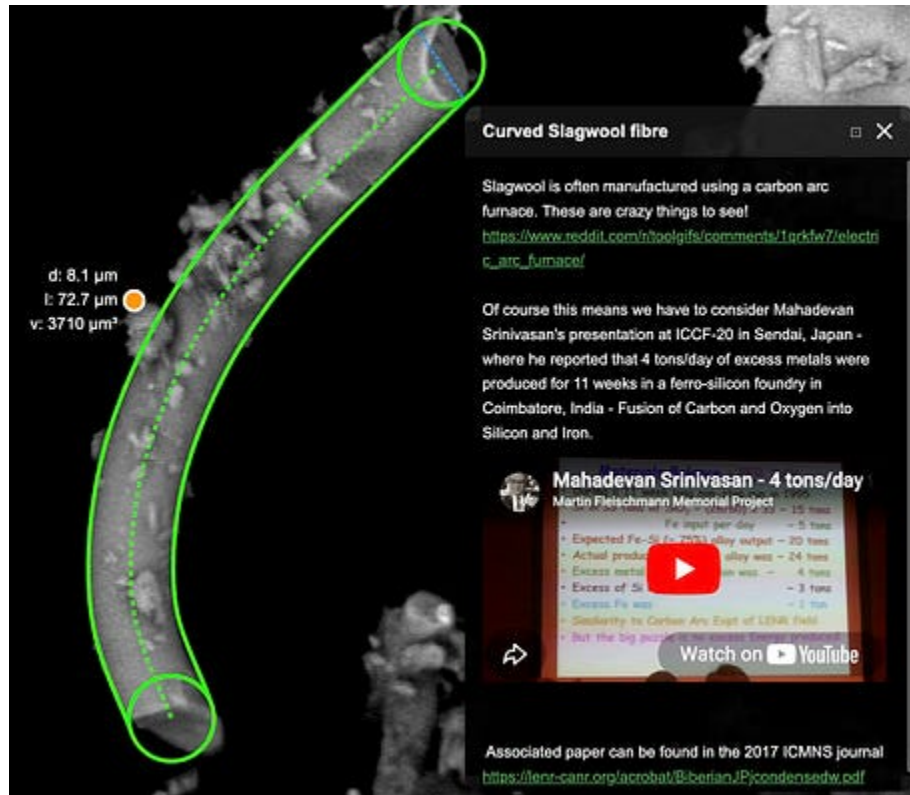
- **Touch wand gestures (tablet)** - one tap on the wand opens straight in Select; with Select on, tap = flood-fill, drag = lasso; New/+Add/-Sub re-arm Select so you can keep selecting without re-tapping.

Viewing, overlays & classes

- **Class colouring** - assignable per-class colours plus a Status ↔
Class marker “colour-by” toggle.
- **Live overlay toggles** - each Filters checkbox now controls both the on-screen overlay *and* its inclusion in a capture (Scale bar / X·Y·Zoom · FOV / Annotations / Measurement / Description).



- **Review mode** - hides the editing furniture (vertices, rotate/scale, cylinder tangents + gauge) on the active shape while keeping the outline + label; body-drag and label-drag still work. The  toggle can still reveal an ink/wand shape's nodes for editing even in Review mode.



- **Classifier “view moved since analysis” warning** - flags when the pixel-classification map no longer aligns with the current view.

Tablet ↔ desktop parity (tablet gained)

- **Time sequences** - a floating touch frame bar (prev/slider/next/play), per-frame Align (nudge pad + copyable align JSON) and Compare (swipe/fade vs an adjacent frame); the camera stays on the same region through time.
- **COL as main image** - make the colour image the primary tile source, with all coordinates remapped through the registration affine (scale bar stays physically correct; analyses force SEM).
- **Anisotropic local calibration** - calibrate different X and Y scales from two reference lines.
- **Pinch-zoom/pan while drawing, and a filter-aware live in-view count.**

Platform & UI

- Tablet dock redesign - desktop-style split panes (fixed header/footer, scrolling list), uniform 40 px controls, and active-row centring/highlight when stepping or recalling.

And.. ?dzi deep links!

You can now directly go to specific datasets and desktop/tablet viewer version using the following link structure

Direct to the desktop app

- <https://starfire.tech/Patricia-2001/desktop/?dzi=Patricia-2001>
- <https://starfire.tech/Patricia-2001/desktop/?dzi=DHX-2>
- <https://starfire.tech/Patricia-2001/desktop/?dzi=Matsumoto-S71-Replication-2025>
- https://starfire.tech/Patricia-2001/desktop/?dzi=Brock_Electrode

Direct to the tablet app

- <https://starfire.tech/Patricia-2001/tablet/?dzi=Patricia-2001>
- <https://starfire.tech/Patricia-2001/tablet/?dzi=DHX-2>
- <https://starfire.tech/Patricia-2001/tablet/?dzi=Matsumoto-S71-Replication-2025>
- https://starfire.tech/Patricia-2001/tablet/?dzi=Brock_Electrode

Via the root redirector (auto-picks desktop/tablet by device, remembers a ?app= choice)

- <https://starfire.tech/Patricia-2001/?dzi=Patricia-2001> — device-detected app
- <https://starfire.tech/Patricia-2001/?dzi=DHX-2>
- <https://starfire.tech/Patricia-2001/?dzi=Matsumoto-S71-Replication-2025>

- https://starfire.tech/Patricia-2001/?dzi=Brock_Electrode

Force an app: [https://starfire.tech/Patricia-2001/?](https://starfire.tech/Patricia-2001/?app=desktop&dzi=DHX-2)

[app=desktop&dzi=DHX-2](https://starfire.tech/Patricia-2001/?app=desktop&dzi=DHX-2) or [...?app=tablet&dzi=Brock_Electrode](https://starfire.tech/Patricia-2001/?app=tablet&dzi=Brock_Electrode) (any dataset combines with either app value)

Bug testing welcome!

Give it a try and let me know if you find any show stoppers or even niggles.

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