

Sky Lattice v0.1 — Atmospheric MicroNowcasting

What it is

- Infrasound/pressure sensing + open radar/lightning fusion for 0–3 hr local nowcasts.

Observables

- Infrasound band energy (0.01–10 Hz)
- BoundaryLayer Stability Index
- Gust front/Gravitywave signatures

Outputs

- Micronowcast tile (5–10 min)
- Fog/heat/smoke flags
- Design guidance for Eden

Success

- Improved lead time vs radaronly for gust/fog events in pilot area

Safety/Privacy

- Public weather only; no personal tracking
- Open data + anonymized logs