

Staging Node – Edge Cases

launch_slip_days:

- Hold at staging; next phase cap ($|\text{phase} - \varphi_{\text{opt}}| \leq 2^\circ$) \rightarrow commit {4} TMI.

phase_miss_deg:

- $\leq 4^\circ$: next cap; $> 4^\circ$: up to 2 micro {2} trims pre-TMI or wait one window.

Cruise Node — Edge Cases

underburn_TMI_percent:

- Two {2} trims (~30% & ~70% tT); escalate to {4} if >40 m/s total.

overburn_TMI_percent:

- Retro {2} trims at next cap; if overshoot >5%, single {4} braking correction.

cruise_perturbation_dv_km_s:

- Three-cap sequence: along, cross, along; ≤ 20 m/s each.

Arrival Node — Edge Cases

underburn_MOI_percent:

- {4} circularize if captured; else two-pass capture with periapsis {4} burns.

overburn_MOI_percent:

- {2} raise periapsis; {8} tie; small {4} finalize.