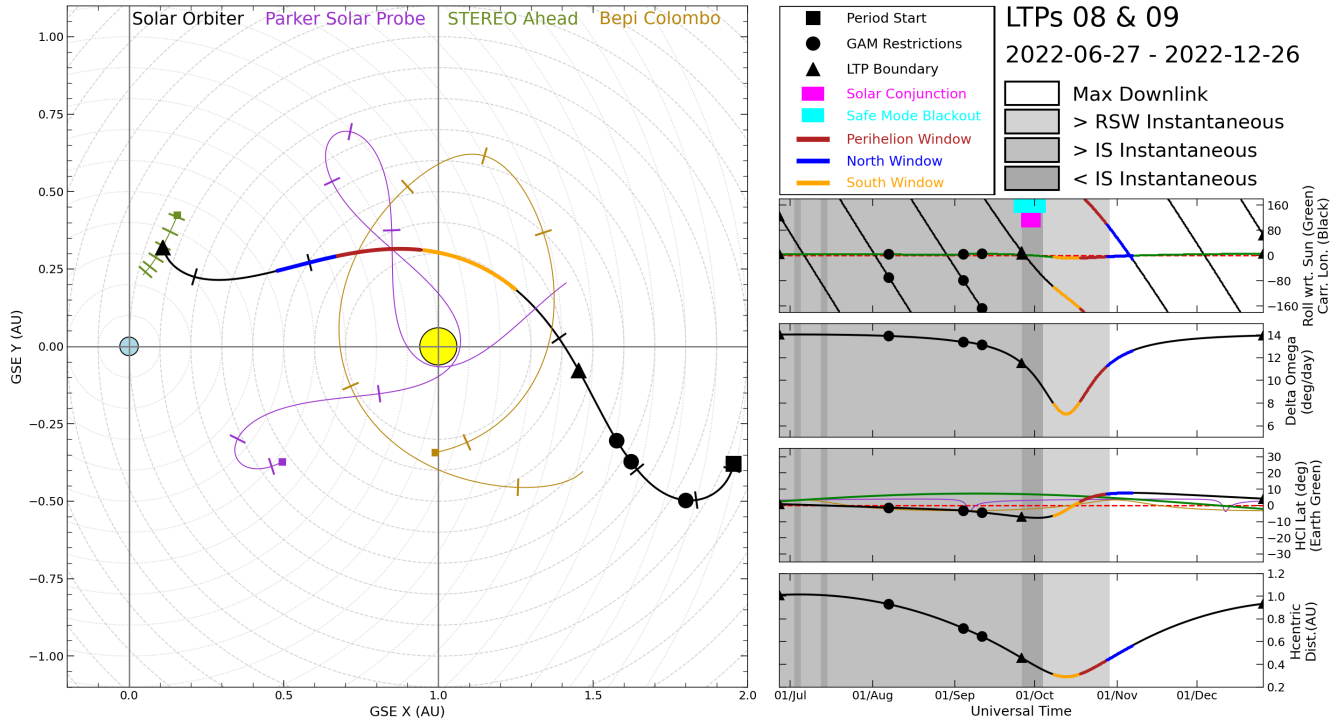


LTP08 Q3-2022

Orbital context

Plots are in GSE (geocentric solar ecliptic) coordinates, so Earth is at [0,0], the Sun is at [1,0]. The plot is the projection of the orbit on the ecliptic plane.



Animated Version:

Definition for the grey shading representing downlink rates:

- white = maximum downlink rate at which you can empty the SSMM in ~10 days
- light-grey = SSMM fill state decreases with everyone operating at EID-A rates
- mid-grey = SSMM fill state increases within RSW (10 instruments operating) and decreases outside RSW (IS-only breakeven rate < downlink rate < inside-RSW breakeven rate)
- dark-grey = SSMM fill state increases with just IS operating (downlink rate < IS-only breakeven rate)

RS checkout window placement

GAMs and conjunctions

Science and calibration planning

Note the **text in red** highlights adjustments still to be made in SOOP Kitchen plan during Long Term Planning

IS calibrations:

RS calibrations:

IS-only science:

Coordinated science (and cross-calibration) campaigns:

SOOP Kitchen plan

High-level (=MLP) plan:

Starting point for LTP08 planning in SOWG: **to be added after SAP has been frozen in SWT#xx and LTP8 event files have been received from MOC**

Final plan LTP08: **to be added after SOWG**

Reference material

- [TN on star calibration opportunities and planetary transits](#)