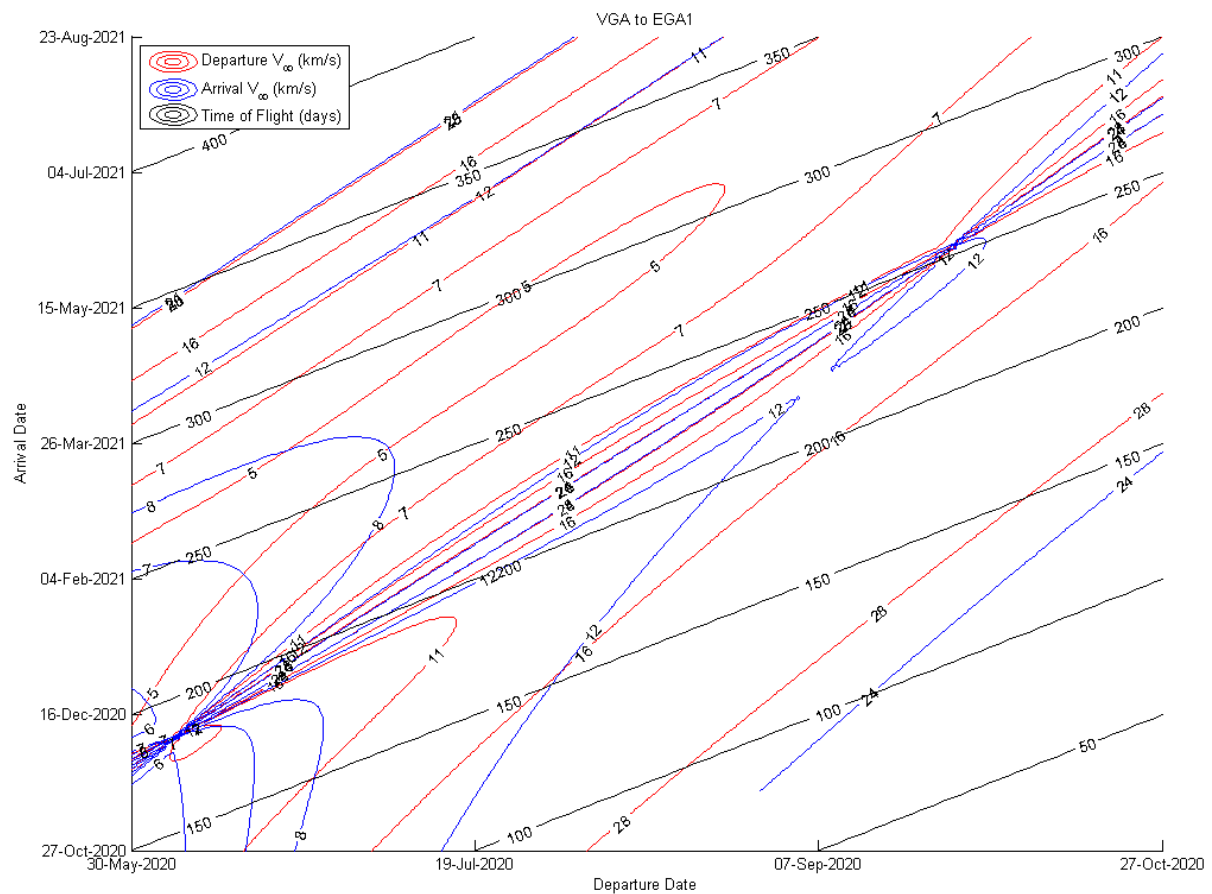
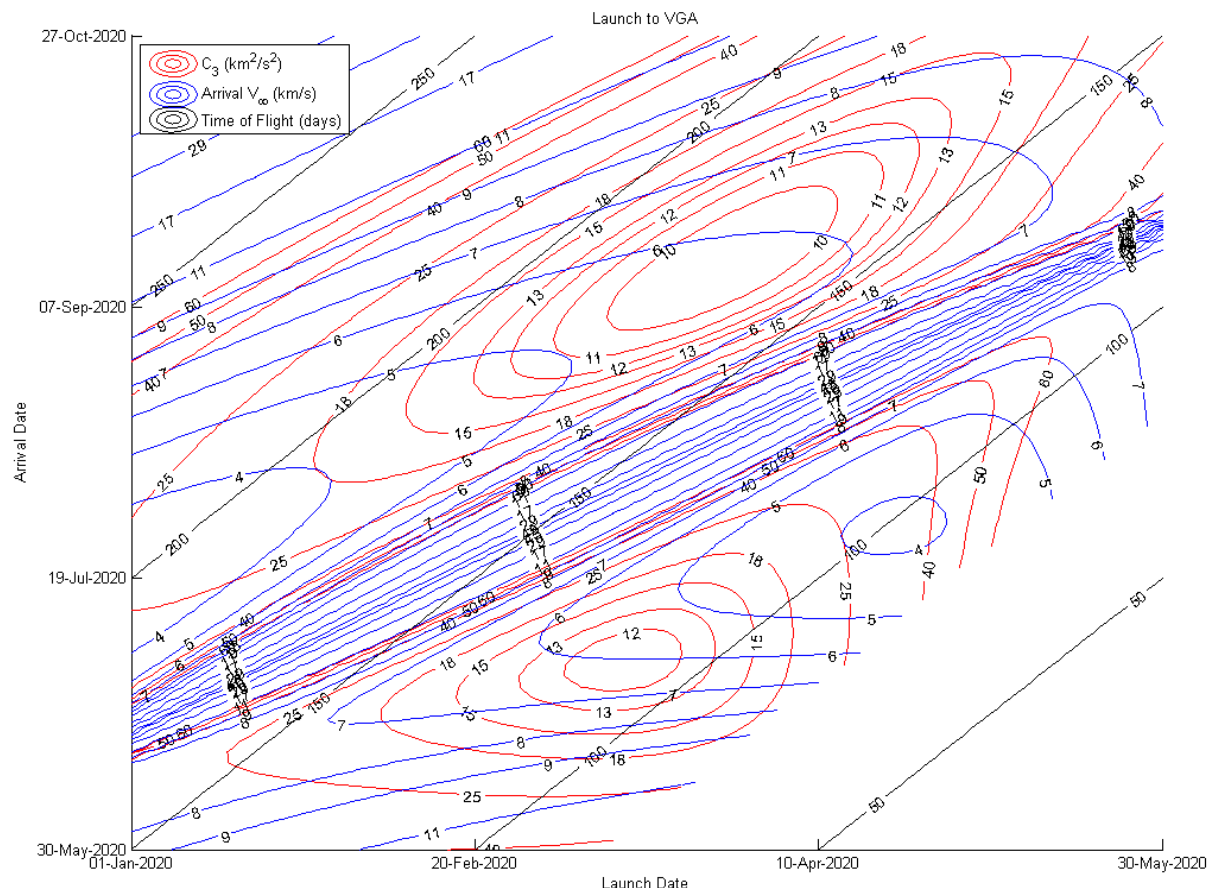
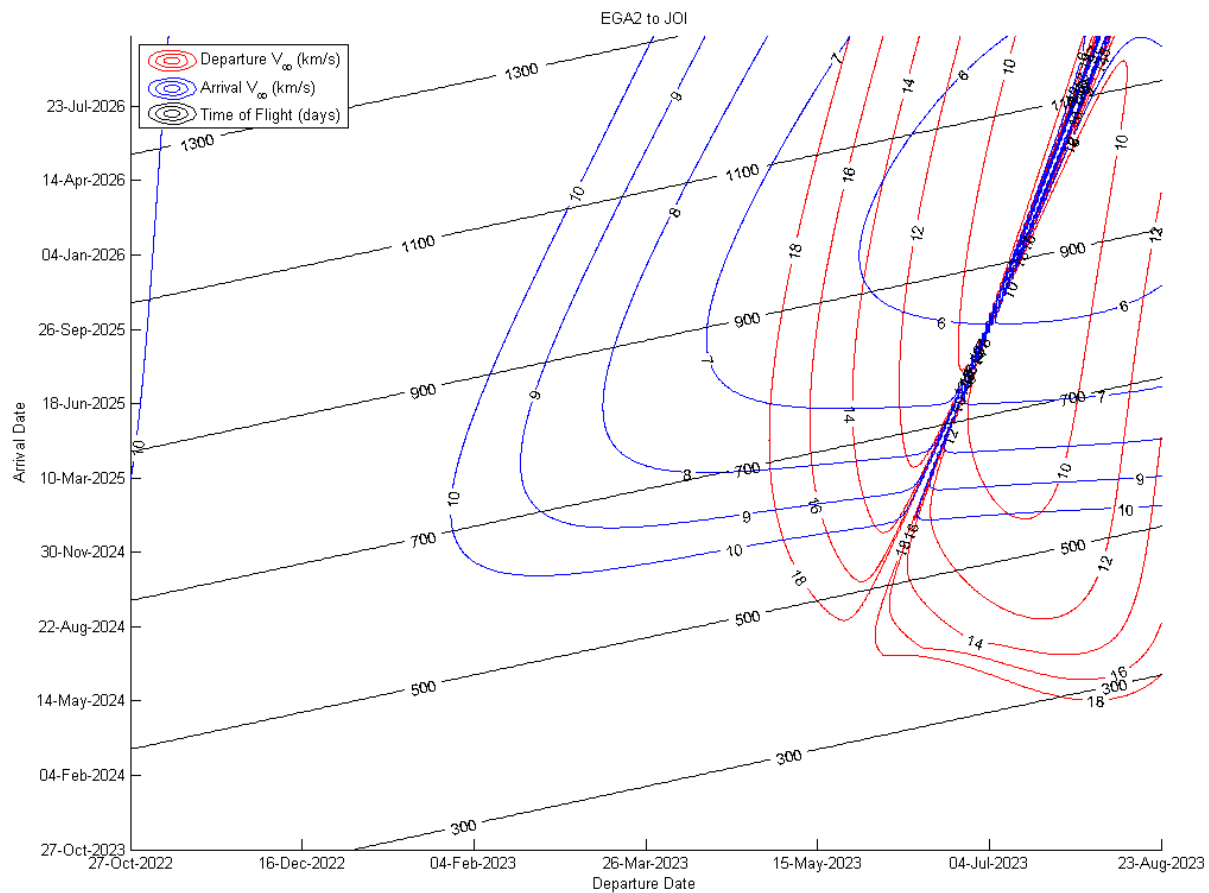


I am doing a VEEJ trajectory to Jupiter, launch targeted in 2020. Porkchop plots are shown below.





The windows were searched to find trajectories that met the requirements. I have chosen the trajectory with the least V_{∞} error.

Launch: 26-Feb-2020 12:00:00

VGA: 15-Sep-2020 12:00:00

EGA1: 12-Jul-2021 12:00:00

EGA2: 12-Jul-2023 12:00:00

JOI: 14-Feb-2026 12:00:00

B-plane targeting:

VGA r_p = 2.3224×10^4 km

VGA turning angle = 29.6257 deg

VGA BT = 2.9790×10^4 km

VGA BR = 4.7357×10^3 km

EGA1 r_p = 6.7452×10^3 km

EGA1 turning angle = 46.9996 deg

EGA1 BT = -7.0692×10^3 km

EGA1 BR = -7.4747×10^3 km

EGA2 r_p = 6.8203×10^3 km

EGA2 turning angle = 45.5613 deg

EGA2 BT = -1.0163×10^4 km

EGA2 BR = 1.4181×10^3 km

C3: $16.7213 \text{ km}^2/\text{s}^2$

$V_{\infty \text{ JOI}}$: 5.5868 km/s

Total V_{∞} error: $2.65 \times 10^{-4} \text{ km/s}$

E-E resonant $\phi = 130.0614$ degrees

