a. Post-mission disposal altitude

The minimum post-mission disposal altitude above the geostationary-Earth orbit is calculated as follows; (using the IADC formula)

235 km + (1000·C_R·A/M) = 277.7 km

C_R =1.0 APSTAR-VI Solar radiation pressure coefficient

A= 87 m^2 APSTAR-VI area based on deployed on-station configuration

M= 1915 kg APSTAR-VI dry mass

b. Fuel budget for post-mission disposal

The amount of fuel reserved for the post-mission orbital raising is shown in the table bellow.

Disposal altitude: GEO + 280 Km

Required Delta V: 10.2 m/s

Required fuel (reserved): 7.5 kg