

**SATELLITE MASS BUDGET**

ITEM	MARGIN	MASS (KG)
Test masses	0 %	20.0
Pico Gravity Box (PGB)	3 %	62.0
Capacitors, Inch worms, Rods, etc.	30 %	5.0
PGB electronics	30 %	9.0
Payload Data Processor	20 %	9.4
<b><i>TOTAL PAYLOAD</i></b>		<b>105.4</b>
Integrated Control System	20 %	12.0
Radiofrequency	20 %	5.8
Electrical Power & Solar Array	20 %	25.8
Attitude sensors	20 %	2.0
FEEP propulsion	20 %	15.4
Nitrogen propulsion	20 %	6.6
Harness	20 %	6.0
Thermal Control	20 %	9.0
Structure & mechanisms	20 %	63.5
<b><i>TOTAL SVM</i></b>		<b><i>146.1</i></b>

***TOTAL SATELLITE***                      ***251.5 kg***  
***20% SYSTEM MARGIN***                      ***50.3 kg***  
***GRAND TOTAL***                                      ***301.8 kg***