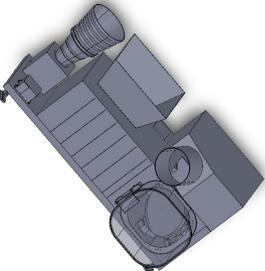
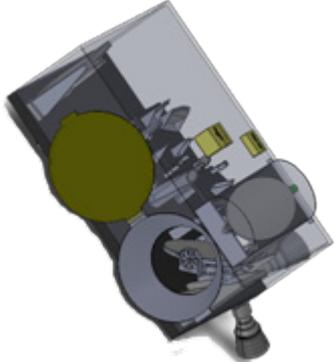




GEO-CAPE Planning Payload



The GEO-CAPE planning payload is representative of the instrumentation that could accomplish the science measurements defined in the STMs

	Small	Medium	Large
GEO-CAPE Notional Planning Payload Instrumentation	 <p>CISR</p>	 <p>GEO-MAC</p>	 <p>CEDI</p>
Science	Atmospheric Composition		Coastal Ecosystems
Instrument Concept	Gas-Filter Correlation Radiometer	UV-Vis Spectrometer	UV-Vis-NIR Spectrometer
Spectral Range (µm)	2.3 and 4.67	0.30 to 0.48	0.34 to 0.90 1.225 to 2.160
Size: L x W x H (m)	0.75 x 0.4 x 0.5	1.7 x 0.8 x 0.9	2.1 x 0.95 x 2.8
CBE Mass (kg)	45	140	621
CBE Power (W)	120	233	392
Data Rate (Mbps)	40	16.4	88.4