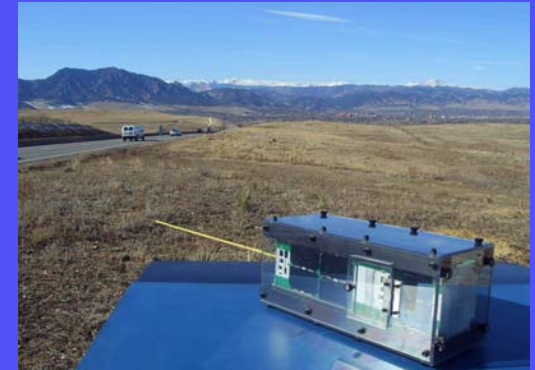
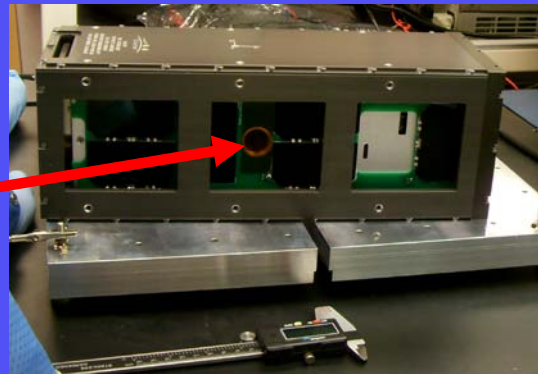
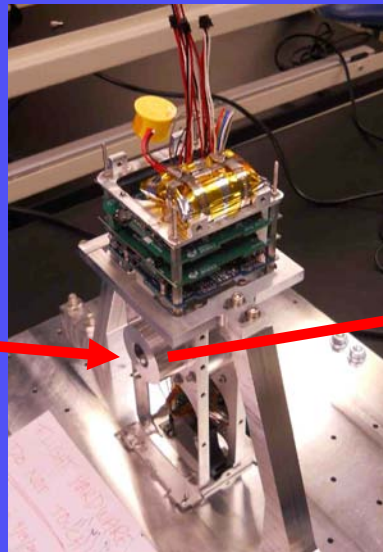
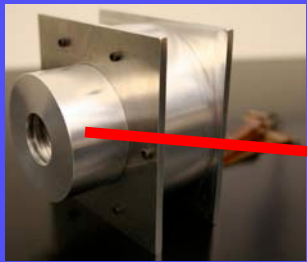
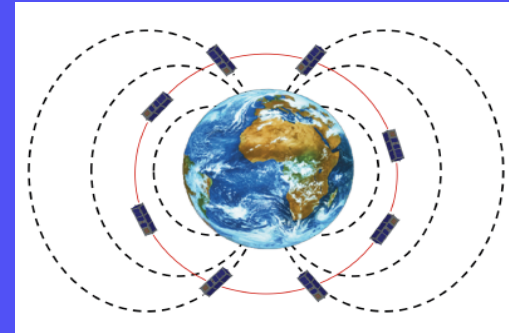


Colorado Student Space Weather Experiment

(CSSWE) – D. N. Baker, X. Li., et al.

Improve our understanding of the relationships between solar energetic particles (SEPs) and flares, as well as the Earth's radiation belt electrons.



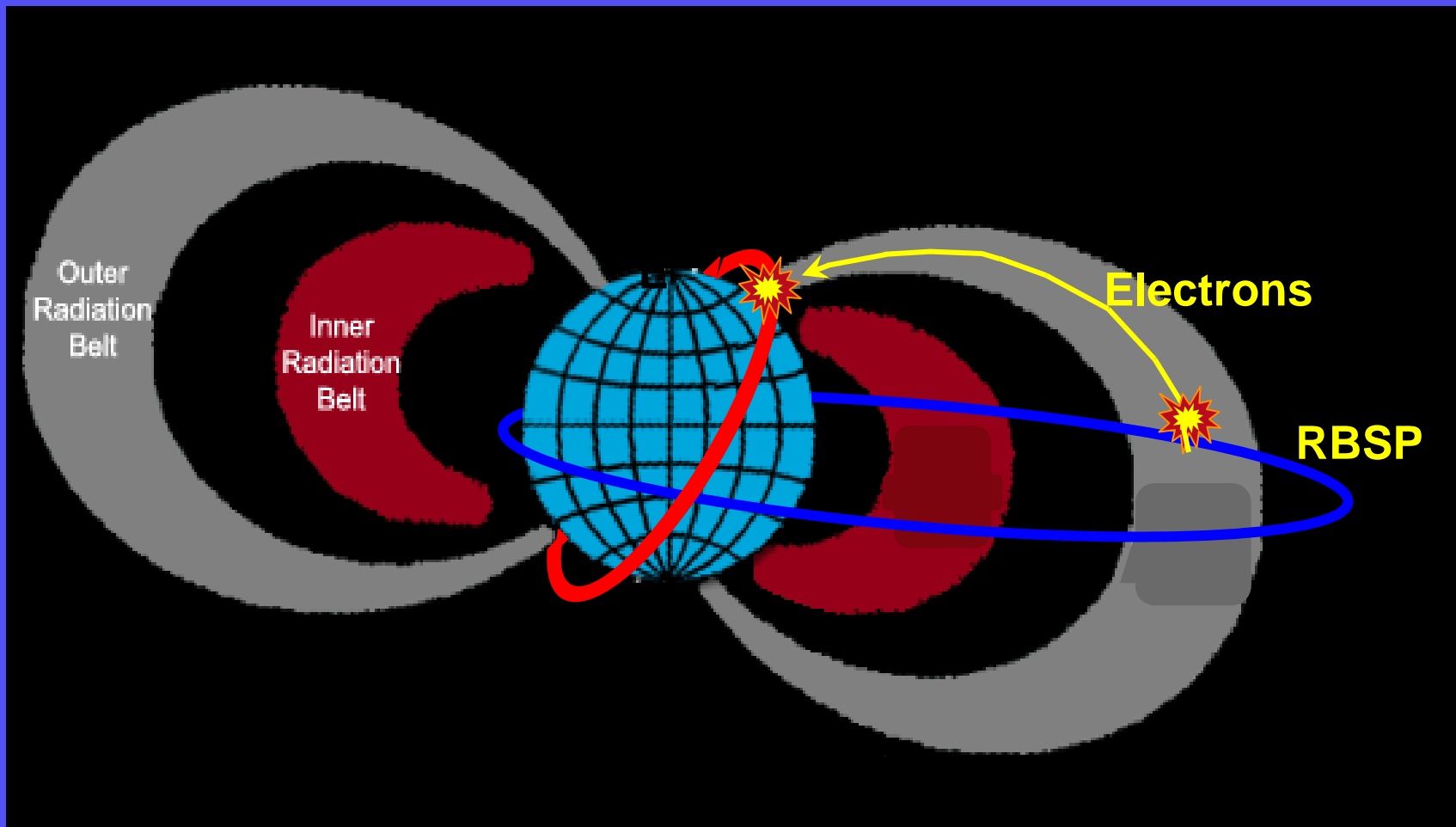
Vibe Test: 11/16/11 MRR: 11/17/11 Thermo-Vac Test: 12/06-14/11

Delivered: 1/9/12

Launch Date: ~Aug 2012, NRO (Atlas V) under NASA's ELaNa program

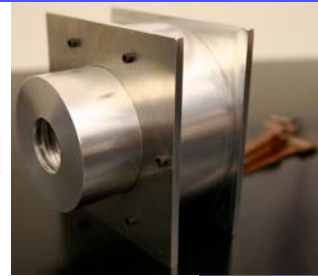
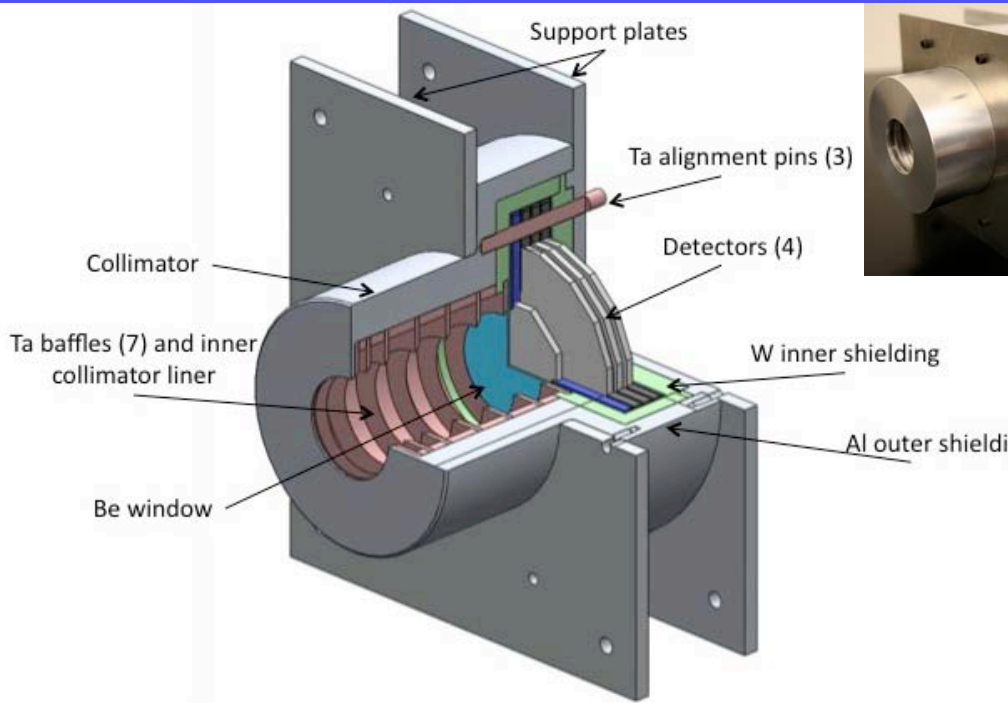
Orbit: ~472 km x 777 km, inclination 60°

Concurrent measurements with NASA/RBSP



REPTile (mini-version of RBSP/REPT)

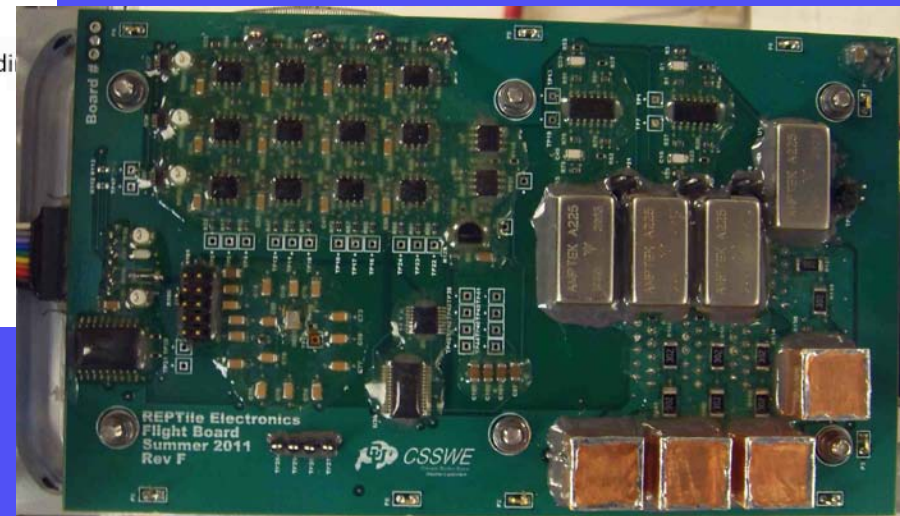
Relativistic *E*lectron and *P*roton Telescope integrated *l*ittle *e*xperiment



Weight: ~1.5 kg (w/board)

Power: <1W

Time Resolutions: 6 sec



	Channel 1	Channel 2	Channel 3	Channel 4
Electrons	0.5-1.5 MeV	1.5-2.2 MeV	2.2-2.9 MeV	>2.9 MeV
Protons	10-18 MeV	18-25 MeV	25-30 MeV	30-40 MeV