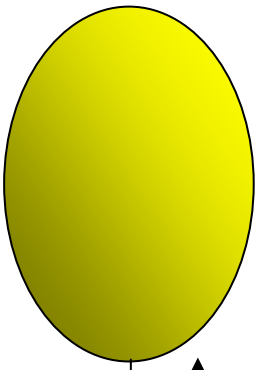
Payload Plan EOSS-116 15 April 07 – 0730

Rev C2 – DemoSat count, weights



3000 gm latex

15 ft 500# cord

Baro-armed Burst Sensing
Release 0.4 #
Ch A: Backup burn

8.5 ft parachute (2.5#)

APRS Cutter-DF
KØANI-11 / EOSS116
445.975 MHz 1.7#

15 ft 500# cord

7 Colo Space Grant DemoSats
Spaced @ 36” on 500# woven nylon cord.
- WSU APRS at top: KCØZAP-11 144.39 MHz, 0.5W, 2 min bcns at 0:15 sec
- CU 2..4 GHz WiFi to launch site
- One rover – watch your step!

Total wt: 12.3 lb

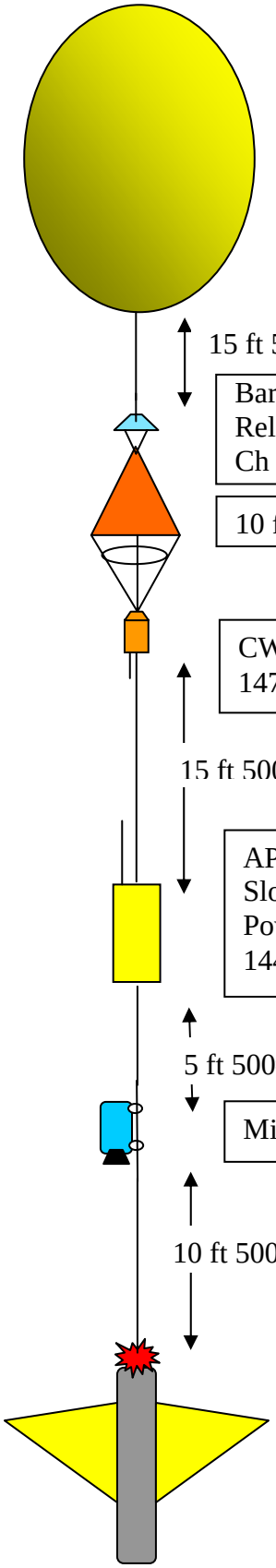
15 ft 250# cord

APRS AEØSS-11 / EOSS116 / EOSS / BALNOD
Slotted at 0:00 & 0:30; TLM @ 1 min intervals
Power up at mm:58 UTC exactly to slot TLM
144.340 MHz 0.35W 2.8 #

Item	Weight, lb
Student Payloads	12.3
EOSS Payloads	4.5
Parachute and cutter	2.9
Neck load	19.7
Balloon	6.6
Gross	26.3

Payload Plan EOSS-117 15 April 07 – 0815

Launch no sooner than 45 minutes after EOSS-116



Item	Weight, lb
Student Payloads	16.1
EOSS Payloads	4.8
Parachute and cutter	2.4
Neck load	23.3
Balloon	6.6
Gross	29.9

CU Peregrine Return Vehicle 16.1 #
KCØYA-12 / EOSS117PL / EOSS 145.600 MHz

Command release at <18K' MSL in descent, flight to and orbit selected landing site within 5 NM and command parachute descent from 6K' MSL.