

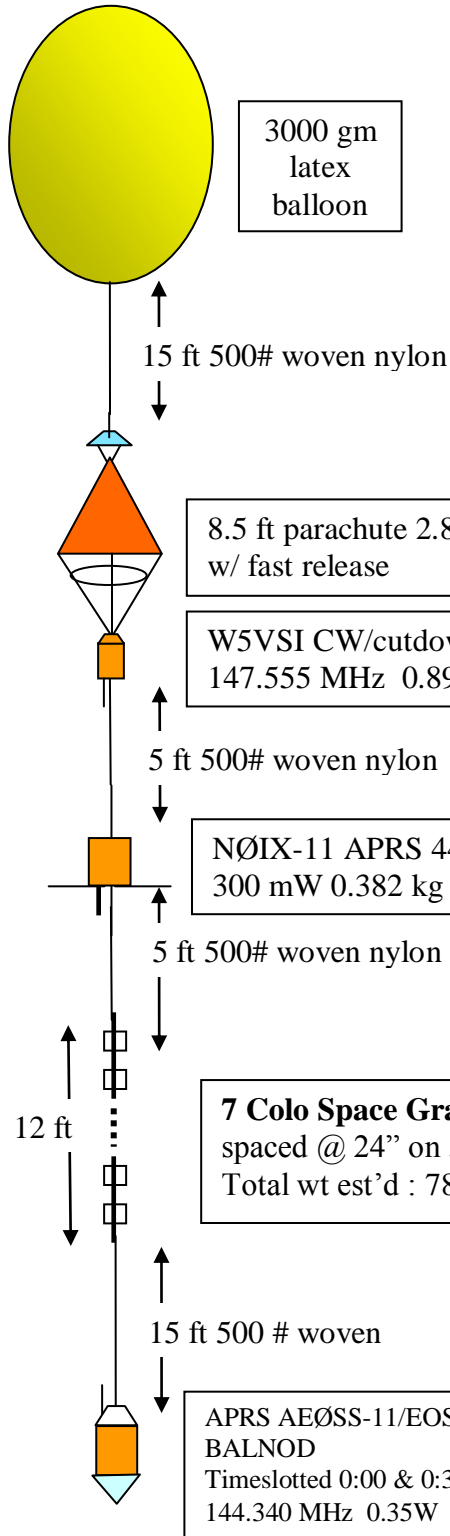
# Payload Plan

**EOSS-194**

**0650 MDT, Apr 12/13 2014**

**Rev B**

**Eaton, CO**



3000 gm latex balloon

15 ft 500# woven nylon

8.5 ft parachute 2.8 # w/ fast release

W5VSI CW/cutdown 147.555 MHz 0.89 #

5 ft 500# woven nylon

NØIX-11 APRS 445.975 MHz 300 mW 0.382 kg 0.78 #

5 ft 500# woven nylon

12 ft

**7 Colo Space Grant Demosats**  
spaced @ 24" on 500 # woven nylon  
Total wt est'd : 7861 kg = (17.33 #)

15 ft 500 # woven

APRS AEØSS-11/EOSS/BALNOD  
Timeslotted 0:00 & 0:30  
144.340 MHz 0.35W 2.5 #

Item	Weight, lb	Weight, gm
Student Payloads est'd	17.33	7,867
EOSS Payloads	4.17	1,893
Parachute and cutter	2.80	1,271
Neck load	24.3	11,030
Balloon	6.62	3,005
Gross wt	30.9	14,026
Gross lift factor	1.15	1.15
Neck lift	28.9	13,118
Liftwin H2 fill std cuft	529	--
Liftwin Burst Alt, Kft MSL	--	--

[www.wxqa.com/cgi-bin/balon1.cgi](http://www.wxqa.com/cgi-bin/balon1.cgi)  
NØIX-11 / EOSS-194

[www.wxqa.com/cgi-bin/balon1.cgi](http://www.wxqa.com/cgi-bin/balon1.cgi)  
AEØSS-11 / EOSS-194