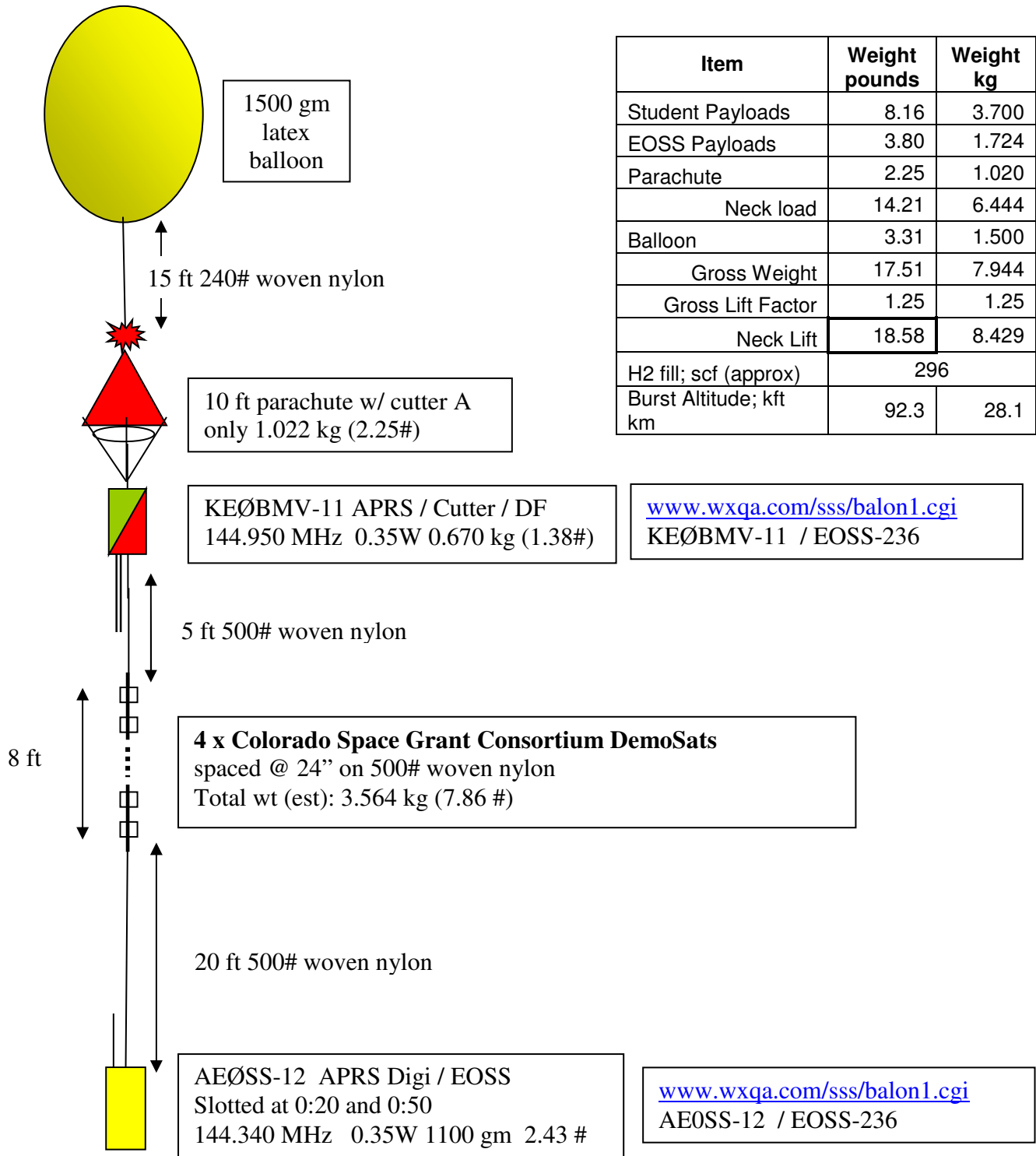


# Payload Plan

# EOSS-243 lite Rev A

0720 MDT, 8 APR 2017  
Eaton, CO



1500 gm  
latex  
balloon

15 ft 240# woven nylon

10 ft parachute w/ cutter A  
only 1.022 kg (2.25#)

KEØBMV-11 APRS / Cutter / DF  
144.950 MHz 0.35W 0.670 kg (1.38#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KEØBMV-11 / EOSS-236

5 ft 500# woven nylon

8 ft

**4 x Colorado Space Grant Consortium DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt (est): 3.564 kg (7.86 #)

20 ft 500# woven nylon

AEØSS-12 APRS Digi / EOSS  
Slotted at 0:20 and 0:50  
144.340 MHz 0.35W 1100 gm 2.43 #

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-12 / EOSS-236

Item	Weight pounds	Weight kg
Student Payloads	8.16	3.700
EOSS Payloads	3.80	1.724
Parachute	2.25	1.020
Neck load	14.21	6.444
Balloon	3.31	1.500
Gross Weight	17.51	7.944
Gross Lift Factor	1.25	1.25
Neck Lift	18.58	8.429
H2 fill; scf (approx)	296	
Burst Altitude; kft km	92.3	28.1