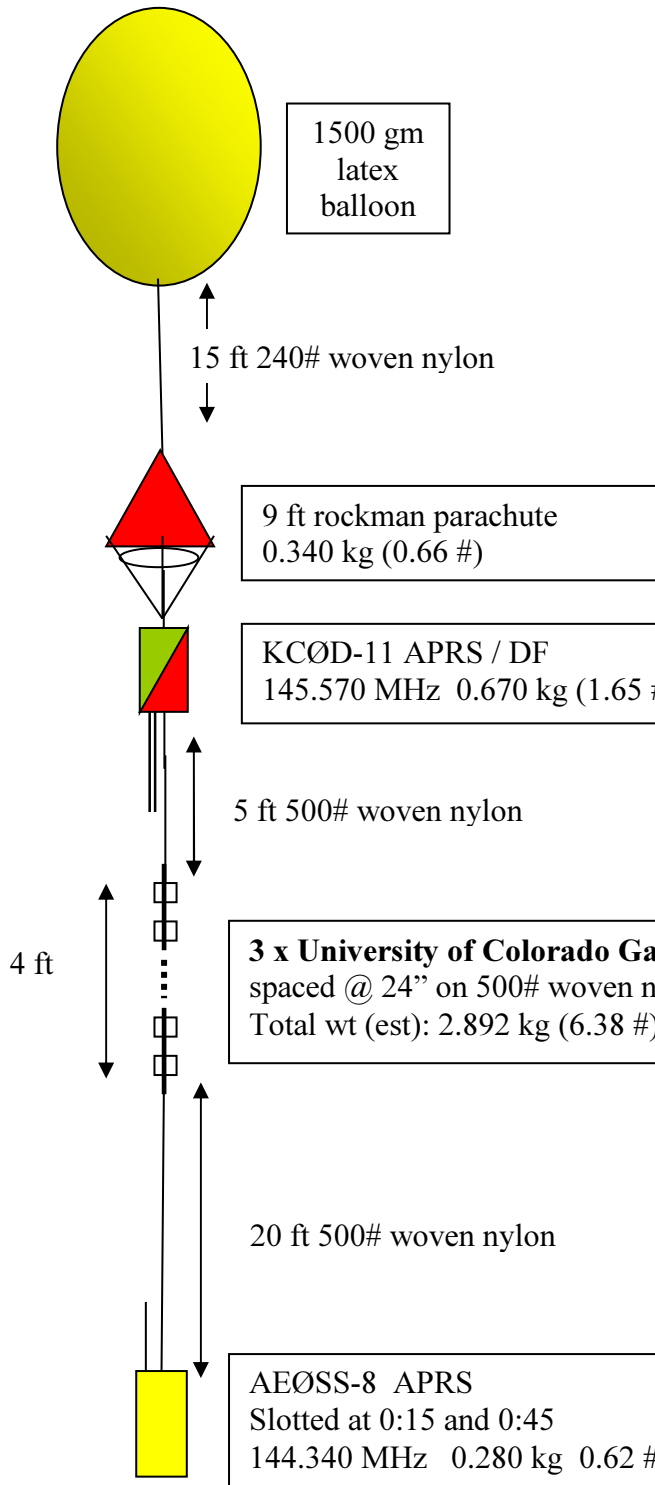


Payload Plan

**EOSS-238 lite
Rev A**

**1050 MDT, 12 Nov 2016
Limon, CO**



1500 gm
latex
balloon

15 ft 240# woven nylon

9 ft rockman parachute
0.340 kg (0.66 #)

KCØD-11 APRS / DF
145.570 MHz 0.670 kg (1.65 #)

www.wxqa.com/sss/balon1.cgi
KCØD-11 / EOSS-238

5 ft 500# woven nylon

4 ft

3 x University of Colorado Gateway to Space BalloonSats
spaced @ 24" on 500# woven nylon
Total wt (est): 2.892 kg (6.38 #)

20 ft 500# woven nylon

AEØSS-8 APRS
Slotted at 0:15 and 0:45
144.340 MHz 0.280 kg 0.62 #

www.wxqa.com/sss/balon1.cgi
AEØSS-8 / EOSS-238

Item	Weight pounds	Weight kg
Student Payloads	6.38	2.892
EOSS Payloads	2.27	1.03
Parachute	0.75	0.340
Neck load	9.40	4.262
Balloon	3.31	1.500
Gross Weight	12.70	5.762
Gross Lift Factor	1.25	1.25
Neck Lift	12.57	5.702
H2 fill; scf (approx)	215	
Burst Altitude; kft km	99.1	30.2