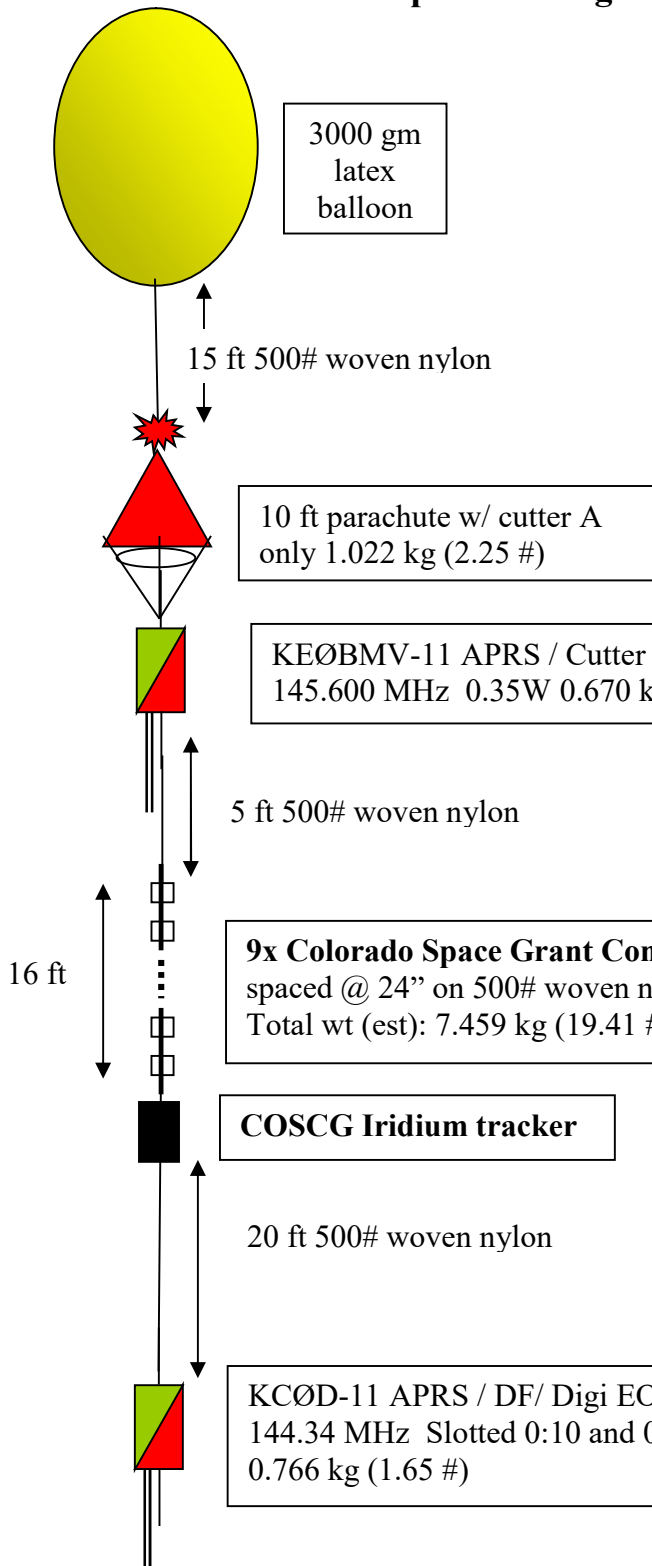


# Payload Plan

## EOSS-266 Heavy Rev A Updated Weights, Digi

0710 MDT, 11 Nov 2017  
Windsor, CO



3000 gm latex balloon

15 ft 500# woven nylon

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

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

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KEØBMV-11 / EOSS-265

5 ft 500# woven nylon

16 ft

**9x Colorado Space Grant Consortium DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt (est): 7.459 kg (19.41 #)

**COSCG Iridium tracker**

20 ft 500# woven nylon

KCØD-11 APRS / DF/ Digi EOSSC  
144.34 MHz Slotted 0:10 and 0:40  
0.766 kg (1.65 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-11 / EOSS-265

Item	Weight pounds	Weight kg
Student Payloads	16.44	7.459
EOSS Payloads	3.17	1.436
Parachute	1.02	1.020
Neck load	21.86	9.915
Balloon	6.61	3.000
Gross Weight	28.47	12.915
Gross Lift Factor	1.15	1.15
Neck Lift	26.13	11.850
H2 fill; scf (approx)	442	
Burst Altitude; kft km	104.2	31.8