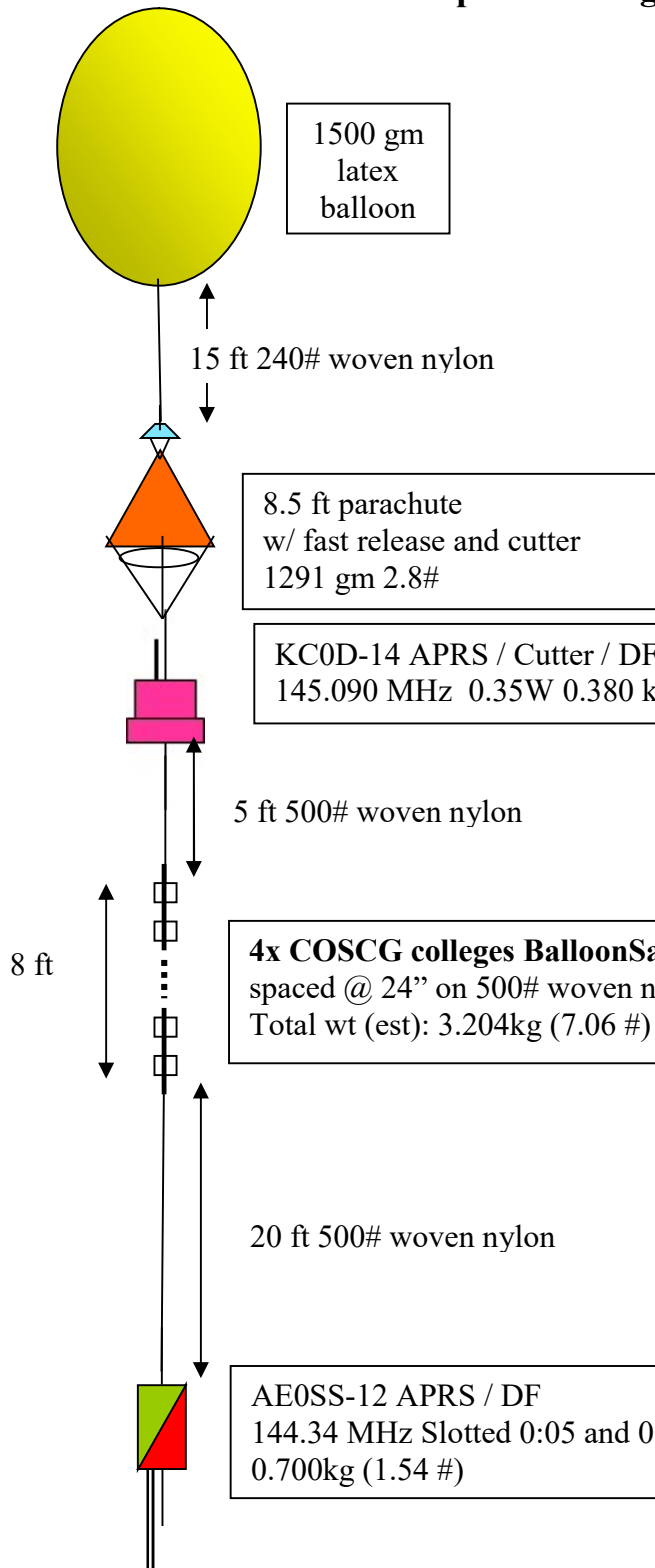


Payload Plan

EOSS-267 Lite Rev A Updated Weights

0750 MT, 11 Nov 2017
Windsor, CO



1500 gm
latex
balloon

15 ft 240# woven nylon

8.5 ft parachute
w/ fast release and cutter
1291 gm 2.8#

KC0D-14 APRS / Cutter / DF
145.090 MHz 0.35W 0.380 kg (1.38 #)

5 ft 500# woven nylon

8 ft

4x COSCG colleges BalloonSats
spaced @ 24" on 500# woven nylon
Total wt (est): 3.204kg (7.06 #)

20 ft 500# woven nylon

AE0SS-12 APRS / DF
144.34 MHz Slotted 0:05 and 0:35
0.700kg (1.54 #)

Item	Weight pounds	Weight kg
Student Payloads	7.06	3.204
EOSS Payloads	2.38	1.08
Parachute	1.29	1.291
Neck load	12.29	5.575
Balloon	3.31	1.500
Gross Weight	15.60	7.075
Gross Lift Factor	1.25	1.25
Neck Lift	16.19	7.342
H2 fill; scf (approx)	263	
Burst Altitude; kft km	94.7	28.9

www.wxqa.com/sss/balon1.cgi
KC0D-14 / EOSS-267

www.wxqa.com/sss/balon1.cgi
AE0SS-12 / EOSS-267