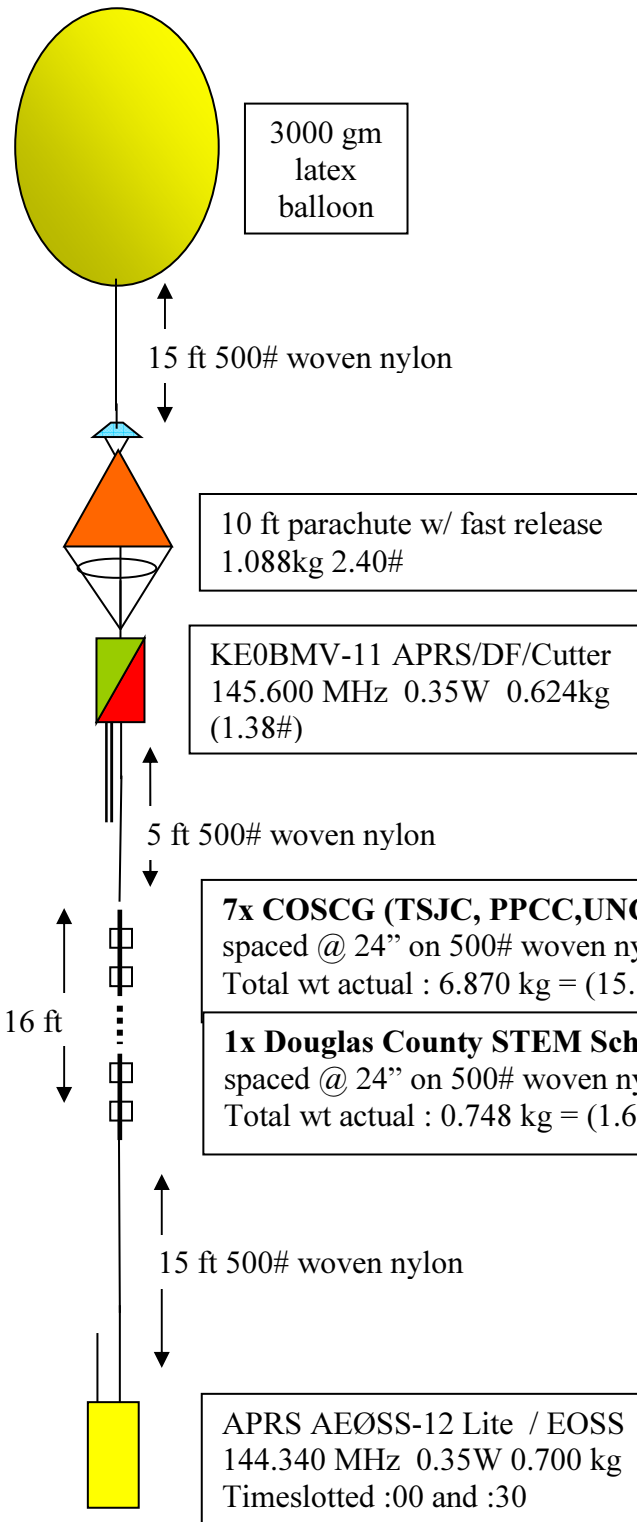


Payload Plan

EOSS-226 (Non-exempt) 0700 MDT, 30 July 2016

Rev F

Limon, CO



3000 gm latex balloon

15 ft 500# woven nylon

10 ft parachute w/ fast release
1.088kg 2.40#

KE0BMV-11 APRS/DF/Cutter
145.600 MHz 0.35W 0.624kg
(1.38#)

5 ft 500# woven nylon

7x COSCG (TSJC, PPCC, UNC, CSU, FLC) DemoSats
spaced @ 24" on 500# woven nylon
Total wt actual : 6.870 kg = (15.15#)

1x Douglas County STEM School Summer Class Payload
spaced @ 24" on 500# woven nylon
Total wt actual : 0.748 kg = (1.65 #)

16 ft

15 ft 500# woven nylon

APRS AEØSS-12 Lite / EOSS
144.340 MHz 0.35W 0.700 kg 1.54 #
Timeslotted :00 and :30

Item	Weight pounds	Weight kg
Student Payloads	16.79	7.618
EOSS Payloads	2.92	1.324
Parachute	2.40	1.088
Neck load	22.11	10.0298
Balloon	6.61	3.000
Gross Weight	28.73	13.0298
Gross Lift Factor	1.15	1.15
Neck Lift	26.42	11.982
H2 fill; scf (approx)	446	
Burst Altitude; kft km	104.0	31.7

www.wxqa.com/sss/balon1.cgi
KE0BMV-11 / EOSS-226

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-226