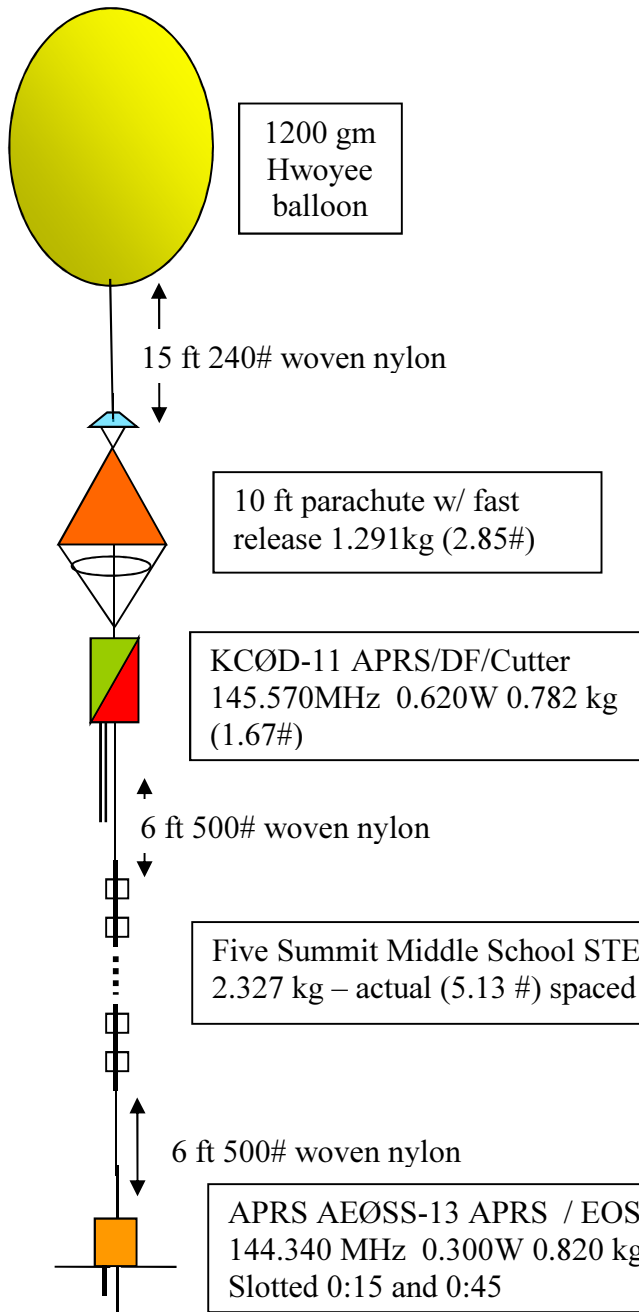


Payload Plan

EOSS-231
Rev D

0820 MDT Oct 15,2016
Windsor, CO



1200 gm
Hwoyee
balloon

15 ft 240# woven nylon

10 ft parachute w/ fast
release 1.291kg (2.85#)

KCØD-11 APRS/DF/Cutter
145.570MHz 0.620W 0.782 kg
(1.67#)

www.wxqa.com/sss/balon1.cgi
KCØD-11 / EOSS-231

6 ft 500# woven nylon

Five Summit Middle School STEM Balloonsats
2.327 kg – actual (5.13 #) spaced 2 feet apart

6 ft 500# woven nylon

APRS AEØSS-13 APRS / EOSS / BALNOD
144.340 MHz 0.300W 0.820 kg (1.81 #)
Slotted 0:15 and 0:45

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-231

Item	Weight pounds	Weight kg
Student Payloads	5.13	2.327
EOSS Payloads	3.27	1.482
Parachute	2.25	1.020
Neck load	10.65	4.829
Balloon	2.65	1.200
Gross Weight	13.29	6.029
Gross Lift Factor	1.30	1.30
Neck Lift	14.63	6.637
H2 fill; scf (approx)	233	
Burst Altitude; kft km	91.6	27.9