

Payload Plan

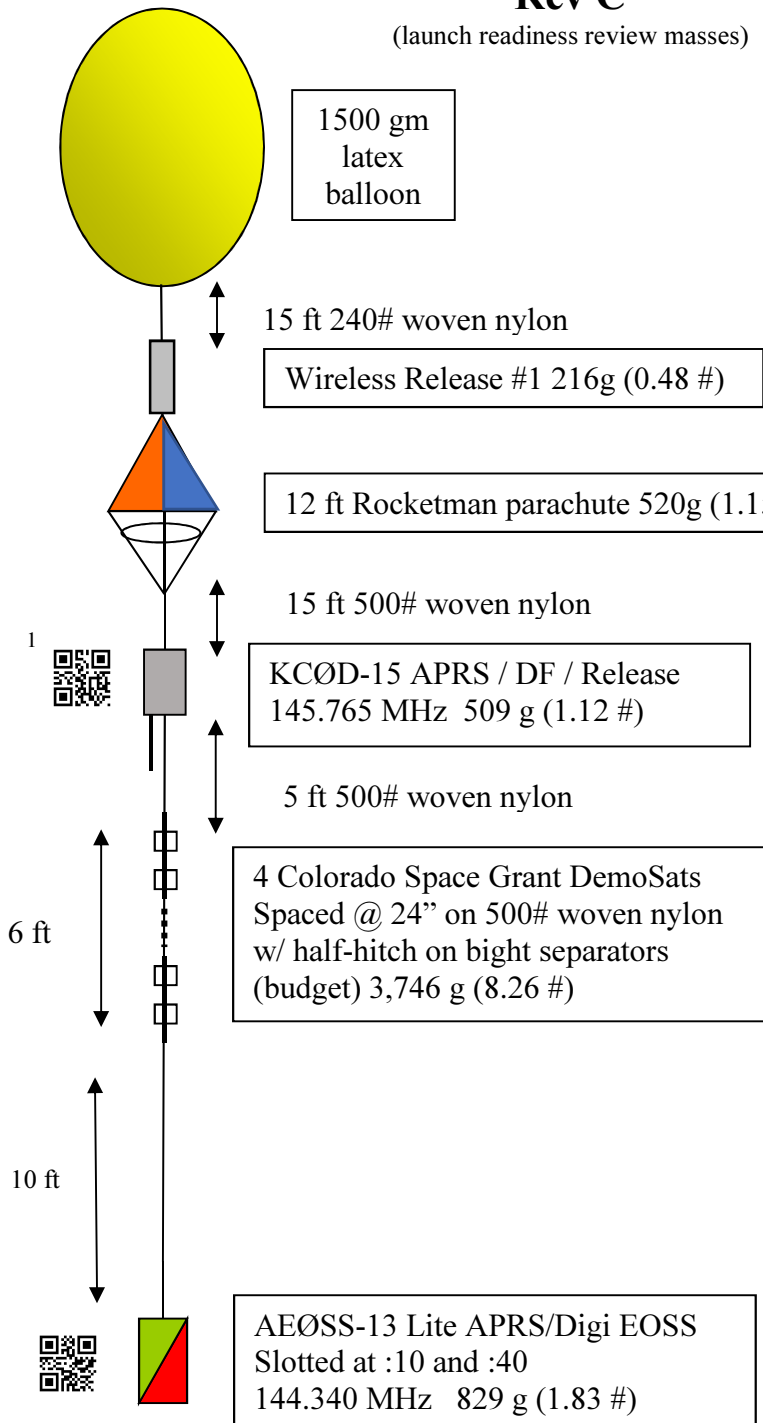
EOSS-278 Lite

0705 MDT, 28 July 2018

Rev C

Deer Trail, CO

(launch readiness review masses)



1500 gm
latex
balloon

15 ft 240# woven nylon
Wireless Release #1 216g (0.48 #)

12 ft Rocketman parachute 520g (1.15 #)

15 ft 500# woven nylon
KCØD-15 APRS / DF / Release
145.765 MHz 509 g (1.12 #)

5 ft 500# woven nylon
4 Colorado Space Grant DemoSats
Spaced @ 24" on 500# woven nylon
w/ half-hitch on bight separators
(budget) 3,746 g (8.26 #)

AEØSS-13 Lite APRS/Digi EOSS
Slotted at :10 and :40
144.340 MHz 829 g (1.83 #)

Item	Weight pounds	Weight kg
Student Payloads	8.26	3.746
EOSS Payloads	2.95	1.338
Parachute	1.15	0.520
Neck load	12.83	5.82
Balloon	3.31	1.500
Gross Weight	16.14	7.32
Gross Lift Factor	1.25	1.25
Neck Lift	16.87	7.649
H2 fill; scf (approx)	273	
Burst Altitude; kft km	94.0	28.7

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-278

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-278

¹ <http://aprs.fi/kc0d-15> (that is a zero)
<http://aprs.fi/ae0ss-13> (that is a zero)