

Payload Plan

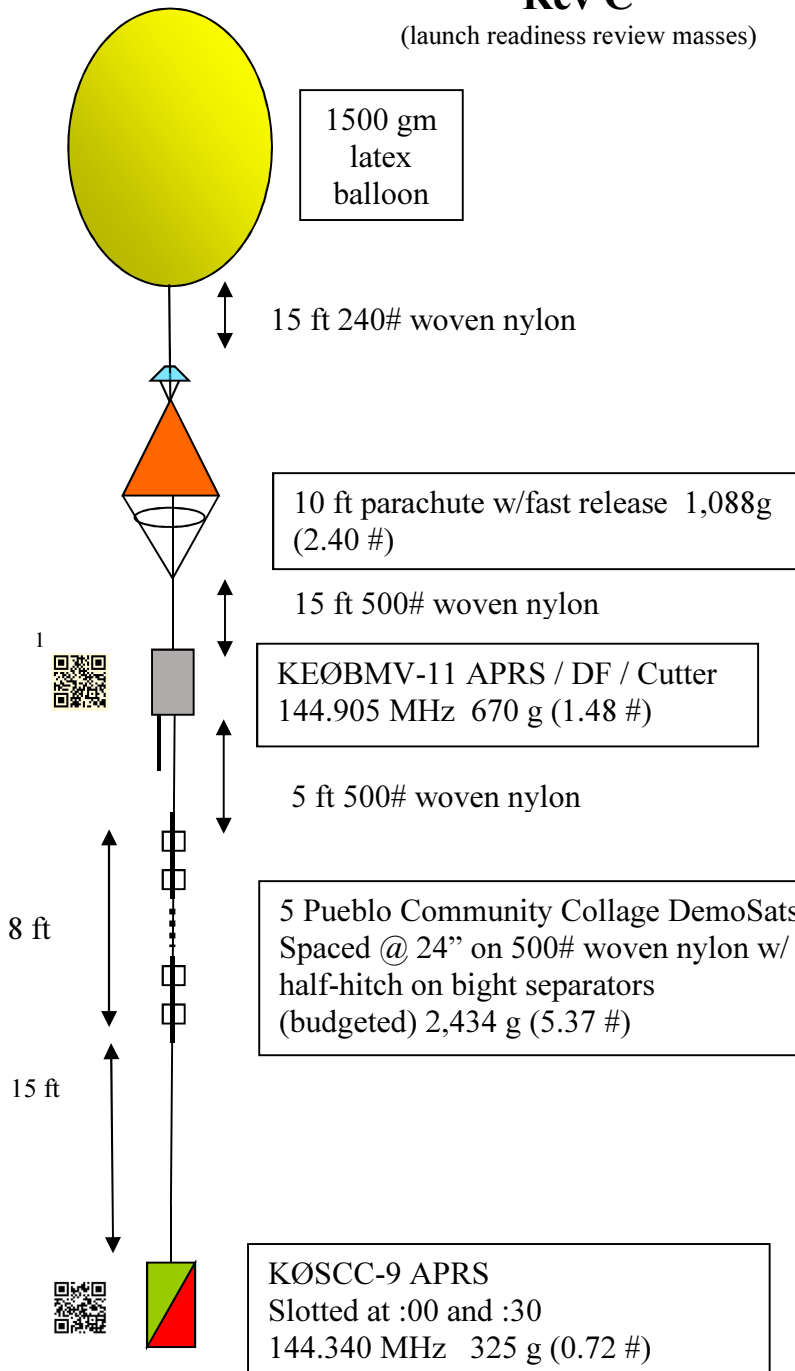
EOSS-277 Lite

0645 MDT, 28 July 2018

Rev C

Deer Trail, CO

(launch readiness review masses)



1500 gm latex balloon

15 ft 240# woven nylon

10 ft parachute w/fast release 1,088g (2.40 #)

15 ft 500# woven nylon

KEØBMV-11 APRS / DF / Cutter
144.905 MHz 670 g (1.48 #)

5 ft 500# woven nylon

5 Pueblo Community Collage DemoSats
Spaced @ 24" on 500# woven nylon w/
half-hitch on bight separators
(budgeted) 2,434 g (5.37 #)

KØSCC-9 APRS
Slotted at :00 and :30
144.340 MHz 325 g (0.72 #)

Item	Weight pounds	Weight kg
Student Payloads	5.37	2.434
EOSS Payloads	2.19	0.995
Parachute	2.40	1.088
Neck load	9.96	4.517
Balloon	3.31	1.500
Gross Weight	13.27	6.017
Gross Lift Factor	1.25	1.25
Neck Lift	13.27	6.020
H2 fill; scf (approx)	224	
Burst Altitude; kft km	98.2	29.9

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-277

www.wxqa.com/sss/balon1.cgi
KØSCC-9 / EOSS-277

¹ <http://aprs.fi/kc0d-12> (that is a zero)
<http://aprs.fi/k0scc-9> (that is a zero)