

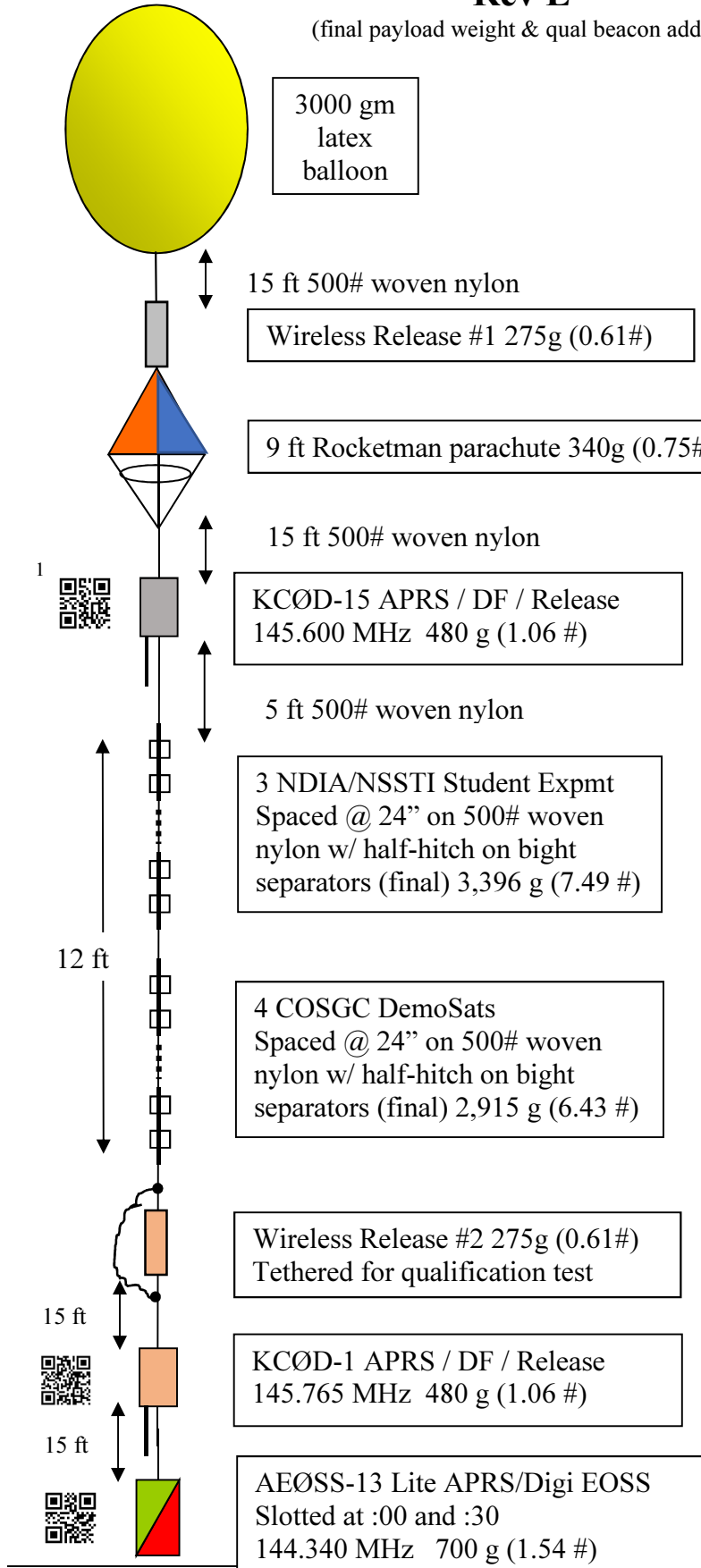
Payload Plan

EOSS-268 Heavy 0704 MDT, 17 Mar 2018

Rev E

Deer Trail, CO

(final payload weight & qual beacon added)



3000 gm latex balloon

15 ft 500# woven nylon

Wireless Release #1 275g (0.61#)

9 ft Rocketman parachute 340g (0.75#)

15 ft 500# woven nylon

KCØD-15 APRS / DF / Release 145.600 MHz 480 g (1.06 #)

5 ft 500# woven nylon

3 NDIA/NSSTI Student Expmnt Spaced @ 24" on 500# woven nylon w/ half-hitch on bight separators (final) 3,396 g (7.49 #)

4 COSGC DemoSats Spaced @ 24" on 500# woven nylon w/ half-hitch on bight separators (final) 2,915 g (6.43 #)

Wireless Release #2 275g (0.61#) Tethered for qualification test

KCØD-1 APRS / DF / Release 145.765 MHz 480 g (1.06 #)

AEØSS-13 Lite APRS/Digi EOSS Slotted at :00 and :30 144.340 MHz 700 g (1.54 #)

Item	Weight pounds	Weight kg
Student Payloads	13.91	6.311
EOSS Payloads	4.87	2.21
Parachute	0.75	0.340
Neck load	19.54	8.861273
Balloon	6.61	3.000
Gross Weight	26.15	11.86127
Gross Lift Factor	1.15	1.15
Neck Lift	23.46	10.639
H2 fill; scf (approx)	406	
Burst Altitude; kft km	106.0	32.3

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-268

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-268

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