

Payload Plan

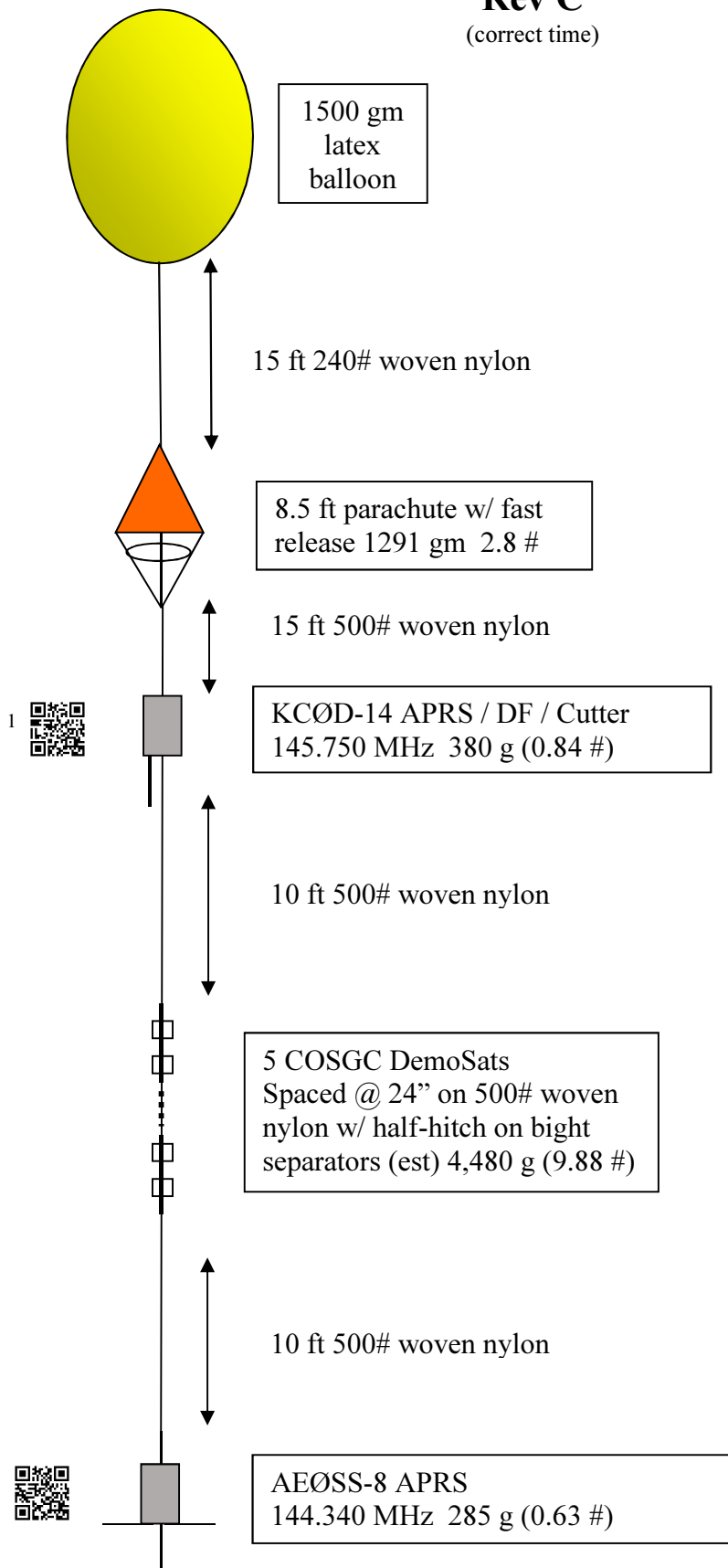
EOSS-268 Lite

Rev C

(correct time)

0704 MDT, 17 Mar 2018

Deer Trail, CO



1500 gm latex balloon

15 ft 240# woven nylon

8.5 ft parachute w/ fast release 1291 gm 2.8 #

15 ft 500# woven nylon

KCØD-14 APRS / DF / Cutter
145.750 MHz 380 g (0.84 #)

10 ft 500# woven nylon

5 COSGC DemoSats
Spaced @ 24" on 500# woven nylon w/ half-hitch on bight separators (est) 4,480 g (9.88 #)

10 ft 500# woven nylon

AEØSS-8 APRS
144.340 MHz 285 g (0.63 #)

Item	Weight pounds	Weight kg
Student Payloads	9.88	4.480
EOSS Payloads	1.47	0.665
Parachute	2.85	1.291
Neck load	14.19	6.436
Balloon	3.31	1.500
Gross Weight	17.50	7.936
Gross Lift Factor	1.25	1.25
Neck Lift	18.56	8.419
H2 fill; scf (approx)	295	
Burst Altitude; kft km	92.3	28.1

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-268

www.wxqa.com/sss/balon1.cgi
AEØSS-8 / EOSS-268

¹ <http://aprs.fi/kc0d-14> (that is a zero)
<http://aprs.fi/ae0ss-8> (that is a zero)