

Payload Plan

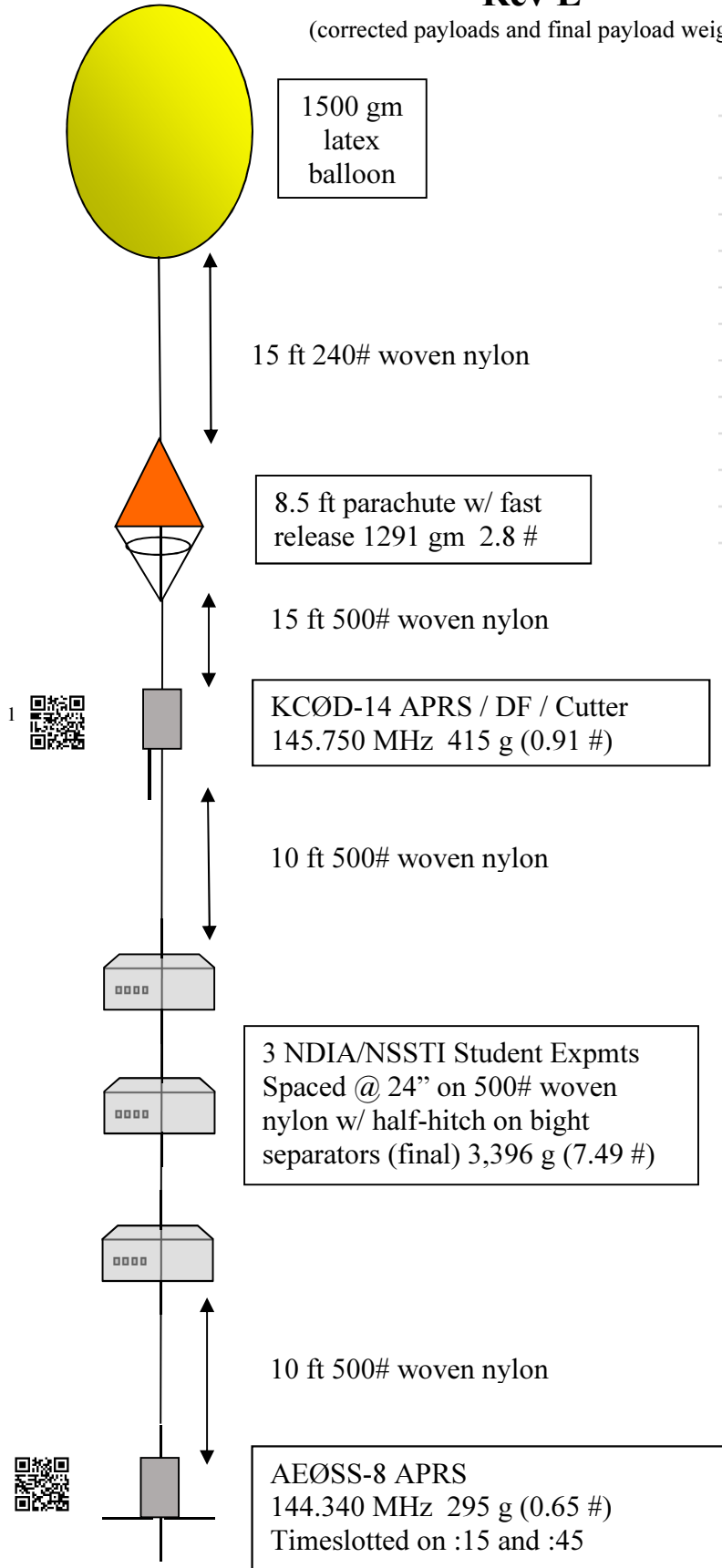
EOSS-268 Lite

0704 MDT, 17 Mar 2018

Rev E

Deer Trail, CO

(corrected payloads and final payload weight)



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 415 g (0.91 #)

10 ft 500# woven nylon

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

10 ft 500# woven nylon

AEØSS-8 APRS
144.340 MHz 295 g (0.65 #)
Timeslotted on :15 and :45

Item	Weight pounds	Weight kg
Student Payloads	7.49	3.396
EOSS Payloads	1.57	0.71
Parachute	2.85	1.291
Neck load	11.90	5.397273
Balloon	3.31	1.500
Gross Weight	15.21	6.897273
Gross Lift Factor	1.25	1.25
Neck Lift	15.70	7.120
H2 fill; scf (approx)	257	
Burst Altitude; kft km	95.3	29.0

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)