

Payload Plan

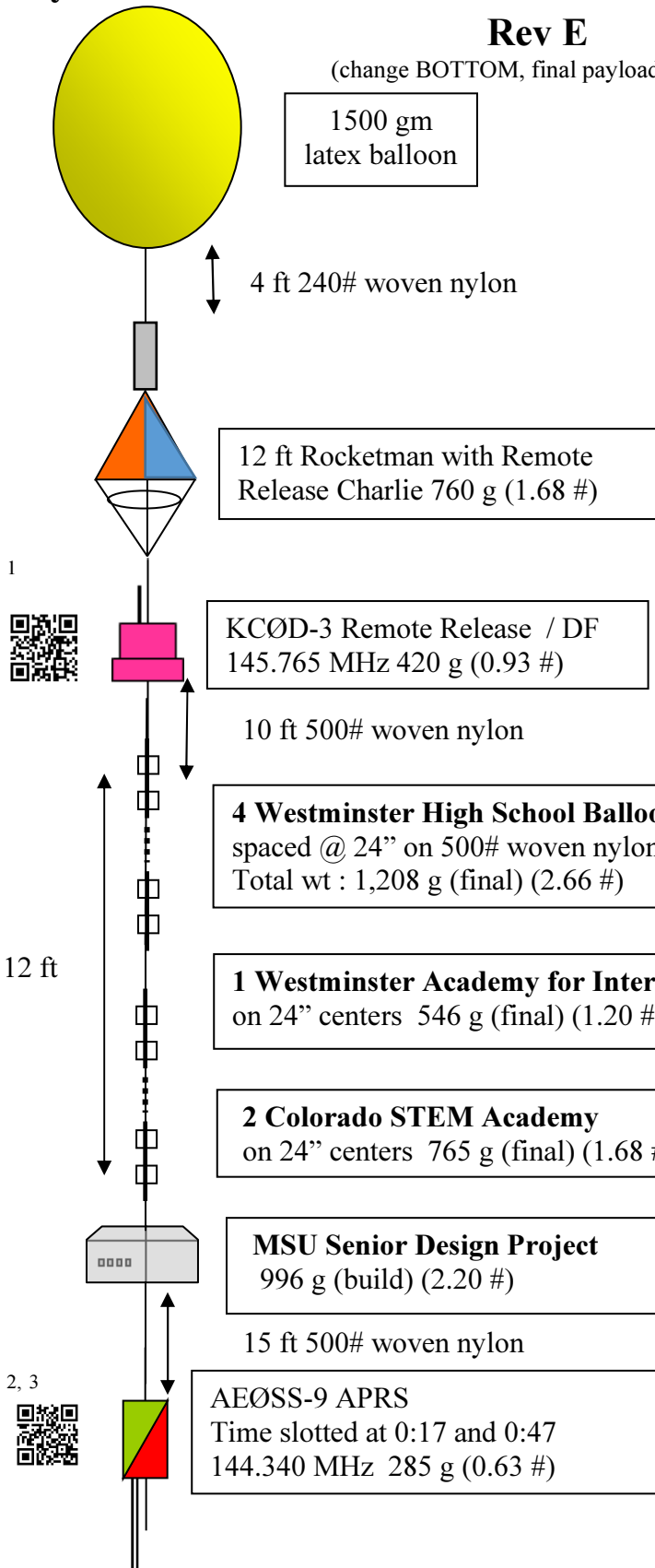
EOSS-321 Lite

0750 MST, 28 Jan 2022

Rev E

Deer Trail, CO

(change BOTTOM, final payload masses)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman with Remote Release Charlie 760 g (1.68 #)

KCØD-3 Remote Release / DF 145.765 MHz 420 g (0.93 #)

10 ft 500# woven nylon

4 Westminster High School BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 1,208 g (final) (2.66 #)

1 Westminster Academy for International Studies
on 24" centers 546 g (final) (1.20 #)

2 Colorado STEM Academy
on 24" centers 765 g (final) (1.68 #)

MSU Senior Design Project
996 g (build) (2.20 #)

15 ft 500# woven nylon

AEØSS-9 APRS
Time slotted at 0:17 and 0:47
144.340 MHz 285 g (0.63 #)

Item	Weight pounds	Weight kg
Student Experiments	7.75	3.515
EOSS Payloads	1.55	0.705
Parachute	1.68	0.760
Neck load	10.98	4.980
Balloon	3.31	1.500
Gross Weight	14.29	6.480
Gross Lift Factor	1.30	1.30
Neck Lift	15.26	6.923
H2 fill; scf (approx)	251	
Burst Altitude; kft km	95.8	29.2

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-321

- WHS 6 - Wolf 1 (above 360)
- WHS 7 - 360 Camera
- WHS 8 - Wolf 2
- WHS 9 - GPS

www.wxqa.com/sss/balon1.cgi
AEØSS-9 / EOSS-321

¹ www.aprs.fi/kc0d-1 (that is a zero)
² www.aprs.fi/ae0ss-13 (that is a zero)
³ <https://track.eoss.org>