

Payload Plan

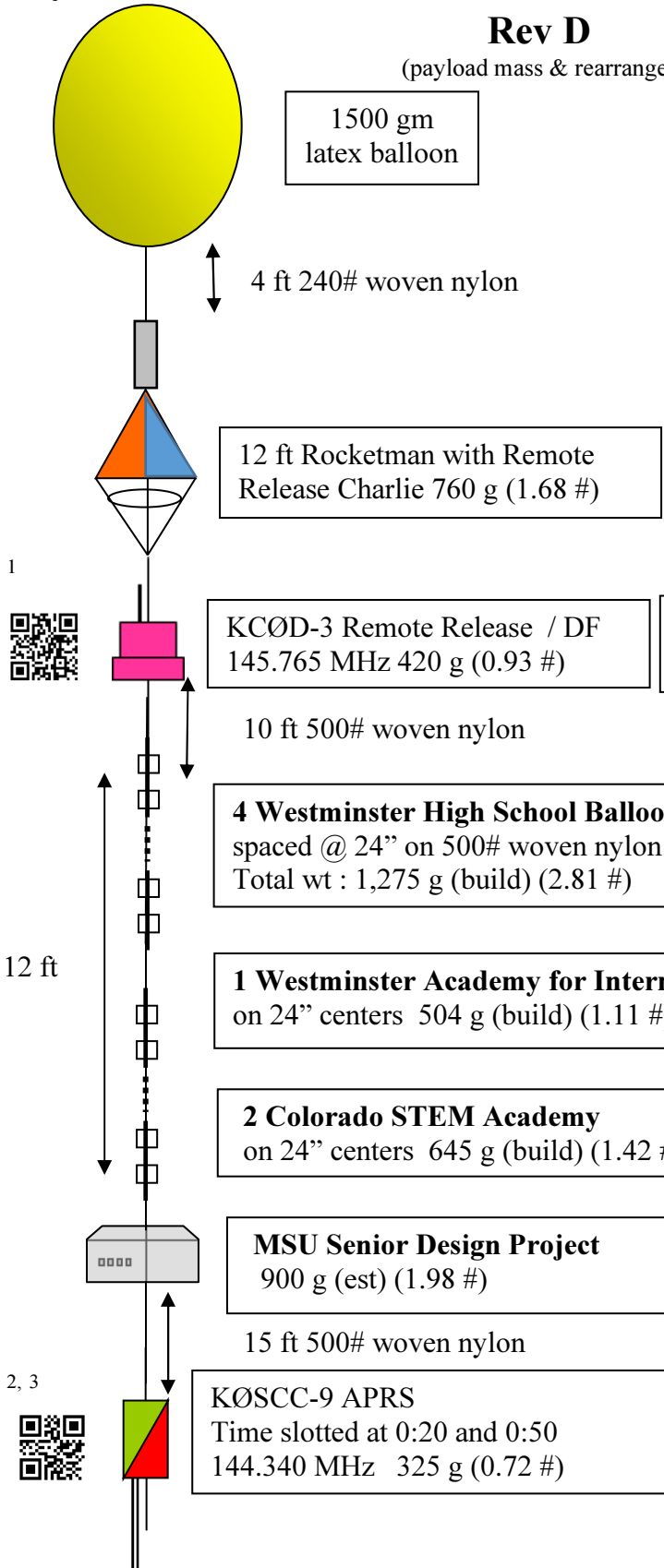
EOSS-321 Lite

Rev D

(payload mass & rearrange)

0750 MST, 28 Jan 2022

Deer Trail, CO



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 #)

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

10 ft 500# woven nylon

4 Westminster High School BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 1,275 g (build) (2.81 #)

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

1 Westminster Academy for International Studies
on 24" centers 504 g (build) (1.11 #)

2 Colorado STEM Academy
on 24" centers 645 g (build) (1.42 #)

MSU Senior Design Project
900 g (est) (1.98 #)

15 ft 500# woven nylon

KØSCC-9 APRS
Time slotted at 0:20 and 0:50
144.340 MHz 325 g (0.72 #)

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

Item	Weight pounds	Weight kg
Student Experiments	7.33	3.324
EOSS Payloads	1.64	0.745
Parachute	1.68	0.760
Neck load	10.65	4.829
Balloon	3.31	1.500
Gross Weight	13.95	6.329
Gross Lift Factor	1.30	1.30
Neck Lift	14.83	6.727
H2 fill; scf (approx)	245	
Burst Altitude; kft km	96.3	29.3

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>