

Payload Plan

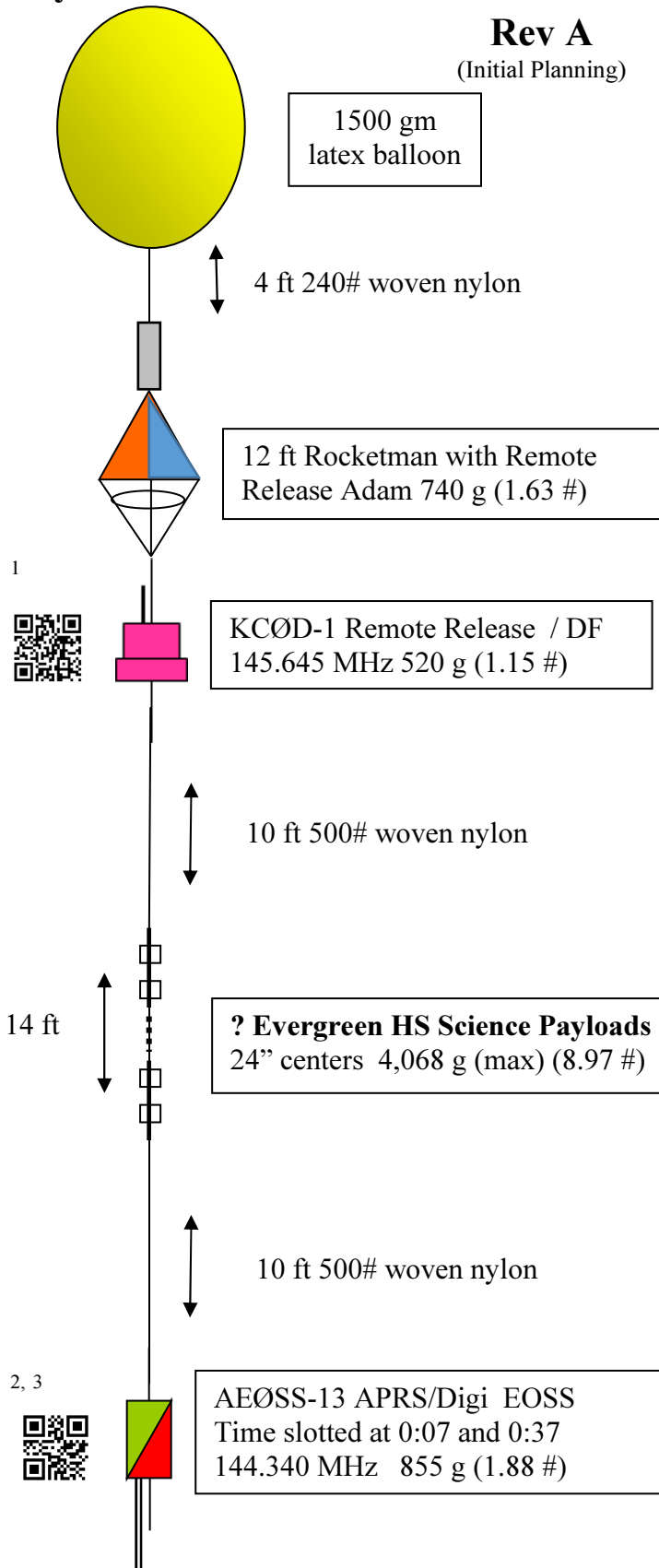
EOSS-323 Lite

0805 MST, 10 Dec 2021

Rev A

Deer Trail, CO

(Initial Planning)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman with Remote Release Adam 740 g (1.63 #)

KCØD-1 Remote Release / DF 145.645 MHz 520 g (1.15 #)

? Evergreen HS Science Payloads on 24" centers 4,068 g (max) (8.97 #)

AEØSS-13 APRS/Digi EOSS Time slotted at 0:07 and 0:37 144.340 MHz 855 g (1.88 #)

Item	Weight pounds	Weight kg
Student Experiments	8.97	4.068
EOSS Payloads	3.03	1.375
Parachute	1.63	0.740
Neck load	13.63	6.183
Balloon	3.31	1.500
Gross Weight	16.94	7.683
Gross Lift Factor	1.30	1.30
Neck Lift	18.71	8.486
H2 fill; scf (approx)	298	
Burst Altitude; kft km	92.2	28.1

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-322

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-322

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>