

Payload Plan

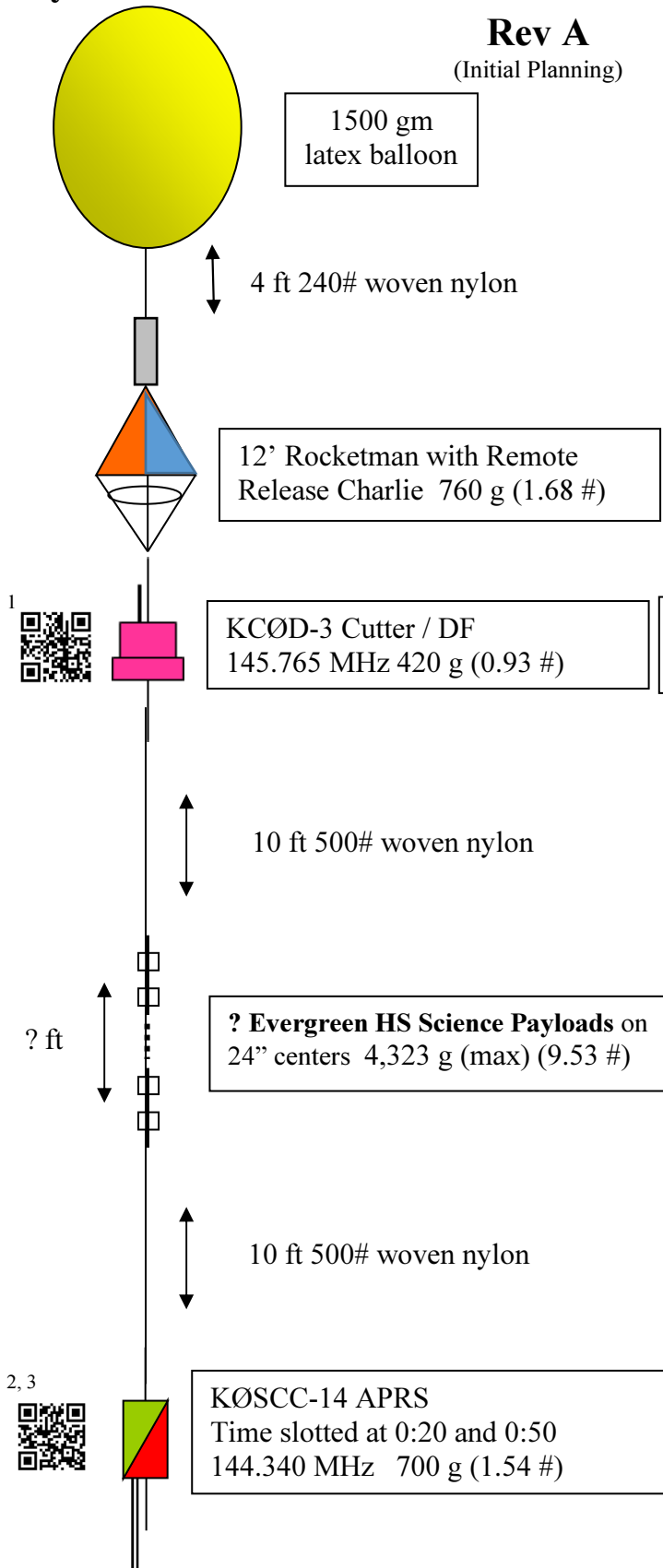
EOSS-322 Lite

0750 MST, 10 Dec 2021

Rev A

Deer Trail, CO

(Initial Planning)



1500 gm latex balloon

4 ft 240# woven nylon

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

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

? Evergreen HS Science Payloads on 24" centers 4,323 g (max) (9.53 #)

KØSCC-14 APRS
Time slotted at 0:20 and 0:50
144.340 MHz 700 g (1.54 #)

Item	Weight pounds	Weight kg
Student Experiments	9.53	4.323
EOSS Payloads	2.47	1.120
Parachute	1.68	0.760
Neck load	13.68	6.203
Balloon	3.31	1.500
Gross Weight	16.98	7.703
Gross Lift Factor	1.30	1.30
Neck Lift	18.77	8.512
H2 fill; scf (approx)	298	
Burst Altitude; kft km	92.1	28.1

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-322

www.wxqa.com/sss/balon1.cgi
KØSCC-14 / EOSS-322

¹ www.aprs.fi/kc0d-15 (that is a zero)

² www.aprs.fi/k0scc-14 (that too is zero)

³ <https://track.eoss.org>