

Payload Plan

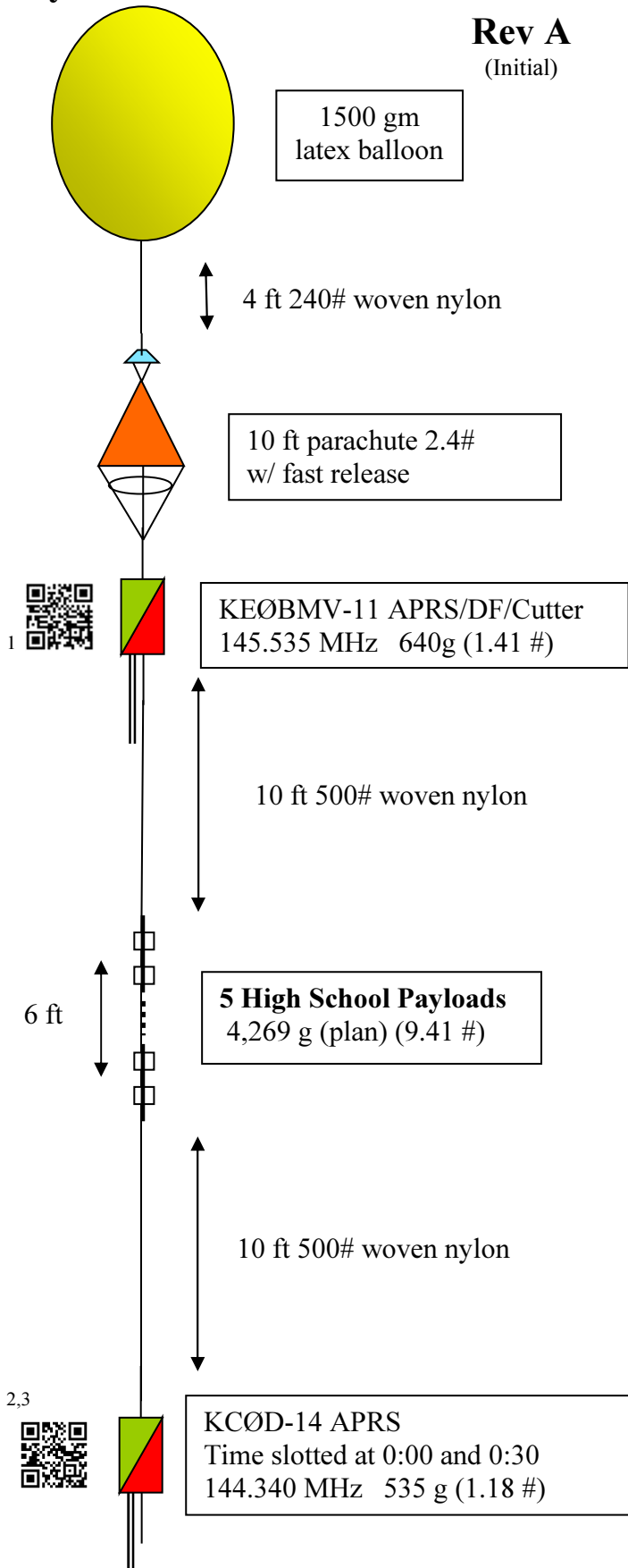
EOSS-321 Lite

0730 MST, 10 Dec 2021

Rev A

Deer Trail, CO

(Initial)



1500 gm latex balloon

4 ft 240# woven nylon

10 ft parachute 2.4# w/ fast release

KEØBMV-11 APRS/DF/Cutter
145.535 MHz 640g (1.41 #)

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-321

10 ft 500# woven nylon

5 High School Payloads
4,269 g (plan) (9.41 #)

10 ft 500# woven nylon

KCØD-14 APRS
Time slotted at 0:00 and 0:30
144.340 MHz 535 g (1.18 #)

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-321

Item	Weight pounds	Weight kg
Student Experiments	9.41	4.269
EOSS Payloads	2.59	1.175
Parachute	2.40	1.088
Neck load	14.40	6.532
Balloon	3.31	1.500
Gross Weight	17.71	8.032
Gross Lift Factor	1.30	1.30
Neck Lift	19.71	8.939
H2 fill; scf (approx)	311	
Burst Altitude; kft km	91.2	27.8

¹ www.aprs.fi/ke0bmv-11 (that is a zero)
² www.aprs.fi/kc0d-14 (that is a zero)
³ <https://track.eoss.org>