

Payload Plan

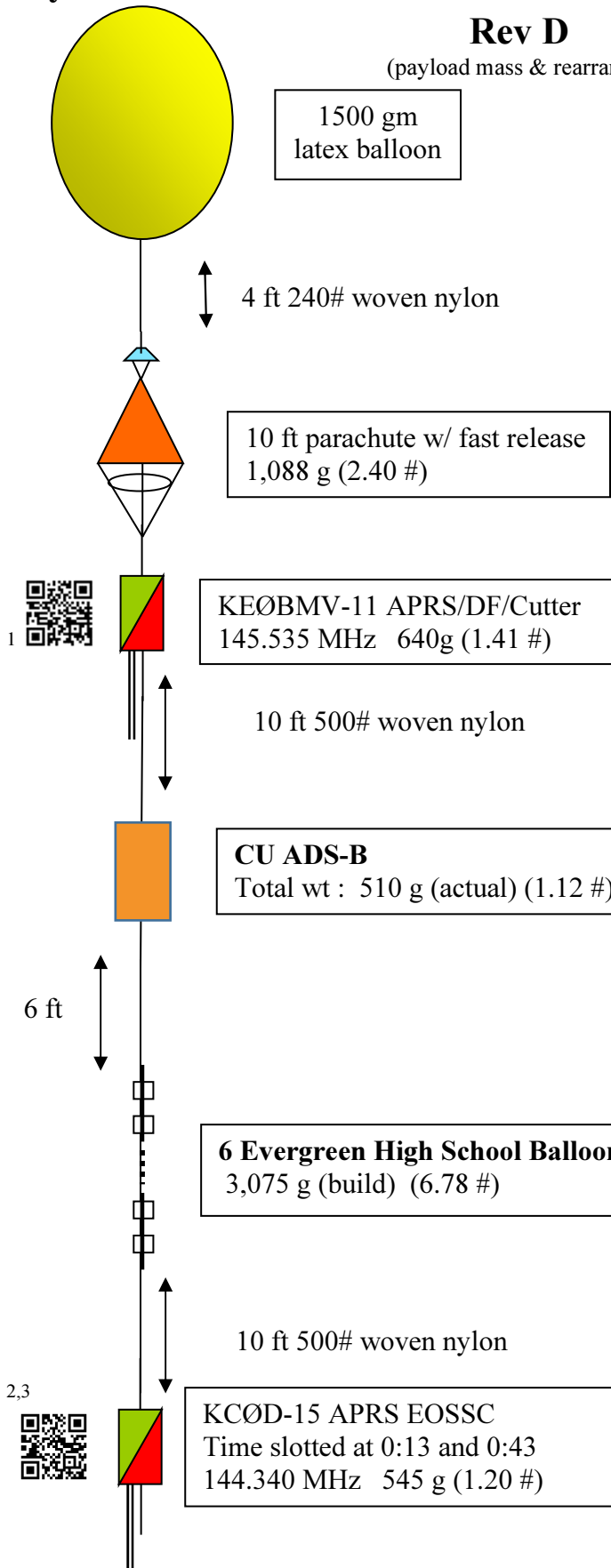
EOSS-320 Lite

0730 MST, 28 Jan 2022

Rev D

Deer Trail, CO

(payload mass & rearrange)



1500 gm
latex balloon

4 ft 240# woven nylon

10 ft parachute w/ fast release
1,088 g (2.40 #)

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

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-320

10 ft 500# woven nylon

CU ADS-B
Total wt : 510 g (actual) (1.12 #)

N-Number: N461SG
ICAO Code: A59EE9
Squawk: 4453

6 ft

6 Evergreen High School BalloonSats
3,075 g (build) (6.78 #)

(All Evergreen Payloads)

10 ft 500# woven nylon

KCØD-15 APRS EOSSC
Time slotted at 0:13 and 0:43
144.340 MHz 545 g (1.20 #)

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-320

Item	Weight pounds	Weight kg
Student Experiments	6.78	3.075
EOSS Payloads	3.74	1.695
Parachute	2.40	1.088
Neck load	12.91	5.858
Balloon	3.31	1.500
Gross Weight	16.22	7.358
Gross Lift Factor	1.30	1.30
Neck Lift	17.78	8.064
H2 fill; scf (approx)	285	
Burst Altitude; kft km	93.1	28.4

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>