

# Payload Plan

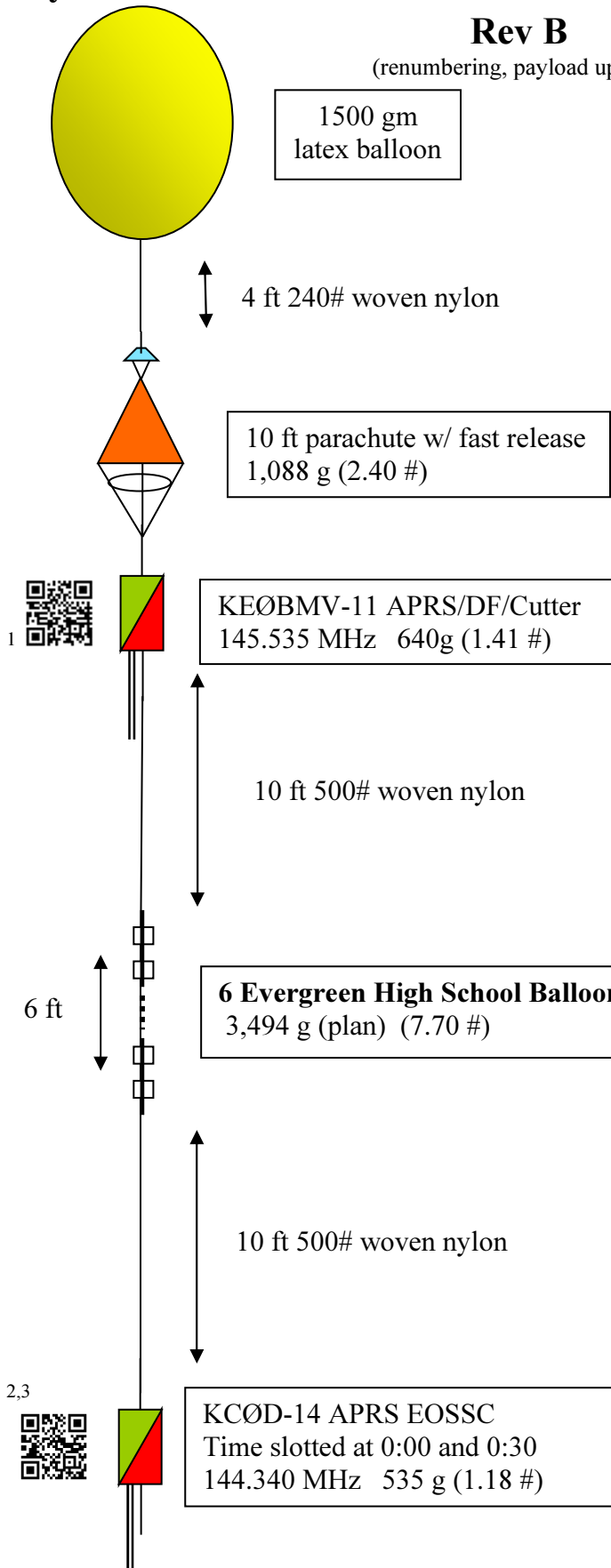
# EOSS-320 Lite

0730 MST, 10 Dec 2021

## Rev B

Deer Trail, CO

(renumbering, payload update)



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](http://www.wxqa.com/sss/balon1.cgi)  
KEØBMV-11 / EOSS-320

10 ft 500# woven nylon

**6 Evergreen High School BalloonSats**  
3,494 g (plan) (7.70 #)

10 ft 500# woven nylon

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

Item	Weight pounds	Weight kg
Student Experiments	7.70	3.494
EOSS Payloads	2.59	1.175
Parachute	2.40	1.088
Neck load	12.69	5.757
Balloon	3.31	1.500
Gross Weight	16.00	7.257
Gross Lift Factor	1.30	1.30
Neck Lift	17.49	7.933
H2 fill; scf (approx)	281	
Burst Altitude; kft km	93.4	28.5

<sup>1</sup> [www.aprs.fi/ke0bmv-11](http://www.aprs.fi/ke0bmv-11) (that is a zero)

<sup>2</sup> [www.aprs.fi/kc0d-14](http://www.aprs.fi/kc0d-14) (that is a zero)

<sup>3</sup> <https://track.eoss.org>