

# Payload Plan

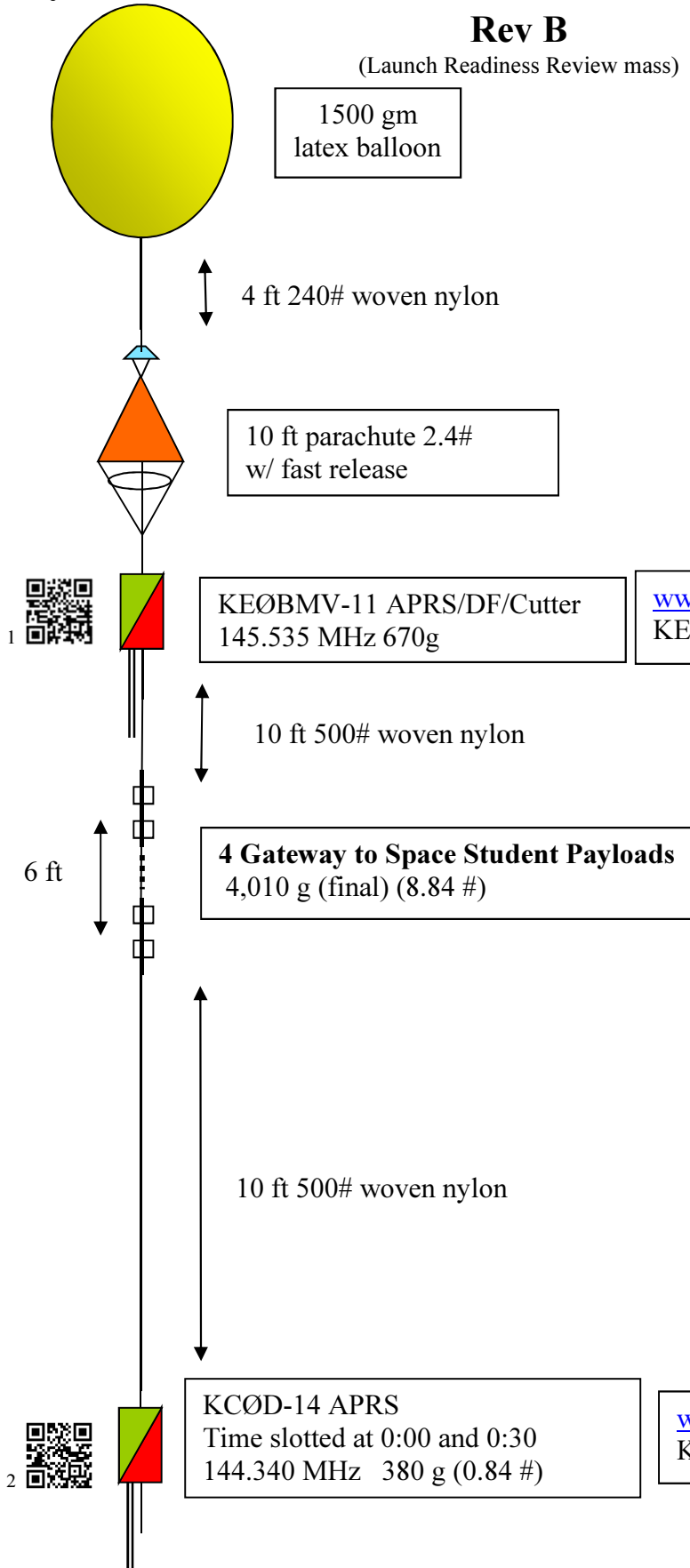
# EOSS-296 Lite

0730 MST, 09 Nov 2019

## Rev B

Eaton, CO

(Launch Readiness Review mass)



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 670g

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KEØBMV-11 / EOSS-296

10 ft 500# woven nylon

6 ft

4 Gateway to Space Student Payloads  
4,010 g (final) (8.84 #)

10 ft 500# woven nylon

KCØD-14 APRS  
Time slotted at 0:00 and 0:30  
144.340 MHz 380 g (0.84 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-296

Item	Weight pounds	Weight kg
Student Payloads	8.84	4.010
EOSS Payloads	2.31	1.05
Parachute	2.40	1.088
Neck load	13.55	6.148
Balloon	3.31	1.500
Gross Weight	16.86	7.648
Gross Lift Factor	1.25	1.25
Neck Lift	17.77	8.059
H2 fill; scf (approx)	285	
Burst Altitude; kft km	93.1	28.4

<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)