

# Payload Plan

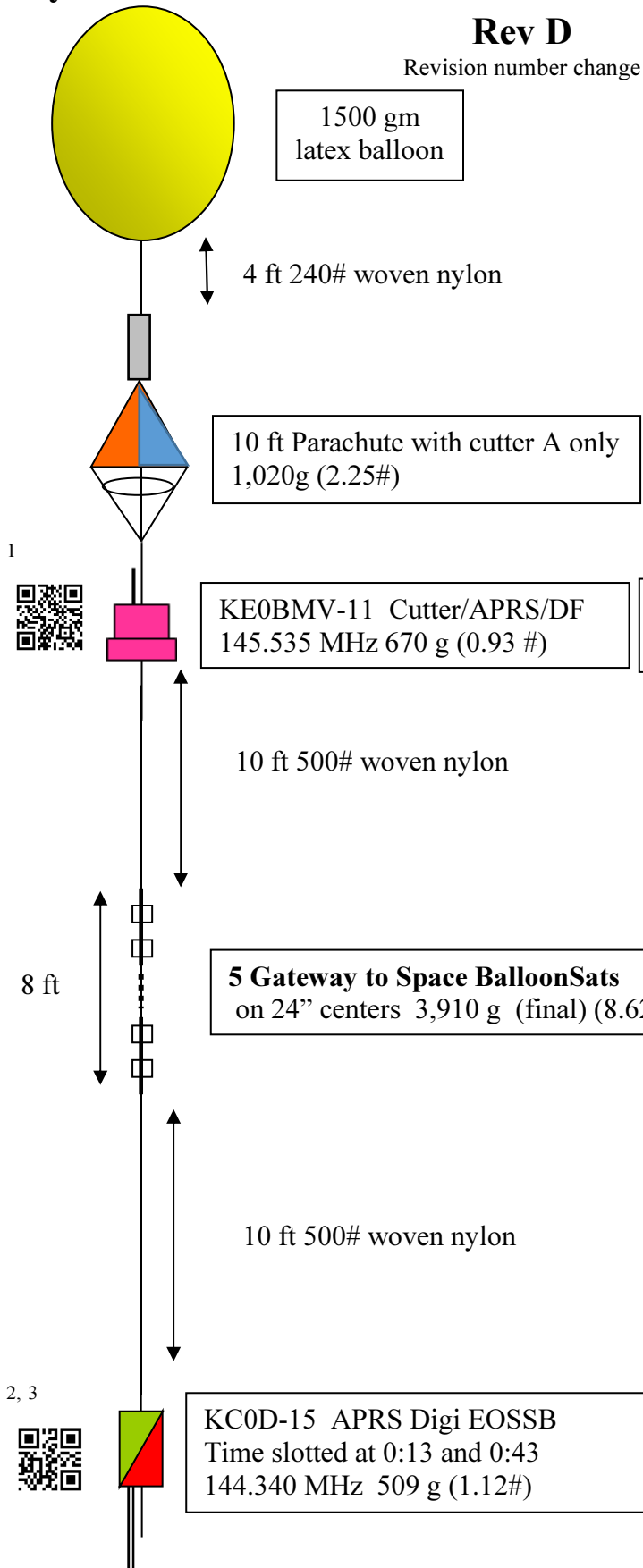
# EOSS-324 Lite

0720 MST, 09 April 2022

## Rev D

Deer Trail, CO

Revision number change



1500 gm latex balloon

4 ft 240# woven nylon

10 ft Parachute with cutter A only  
1,020g (2.25#)

KE0BMV-11 Cutter/APRS/DF  
145.535 MHz 670 g (0.93 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KE0BMV-11 / EOSS-324

5 Gateway to Space BalloonSats  
on 24" centers 3,910 g (final) (8.62#)

KC0D-15 APRS Digi EOSSB  
Time slotted at 0:13 and 0:43  
144.340 MHz 509 g (1.12#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KC0D-15 / EOSS-324

Item	Weight pounds	Weight kg
Student Experiments	8.62	3.910
EOSS Payloads	2.60	1.179
Parachute	2.25	1.020
Neck load	13.47	6.109
Balloon	3.31	1.500
Gross Weight	16.77	7.609
Gross Lift Factor	1.25	1.25
Neck Lift	17.66	8.010
H2 fill; scf (approx)	283	
Burst Altitude; kft km	93.2	28.4

<sup>1</sup> <http://www.aprs.fi/KE0BMV-11> (that is a zero)

<sup>2</sup> <http://www.aprs.fi/KC0D-15> (that is a zero)

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