

# Payload Plan

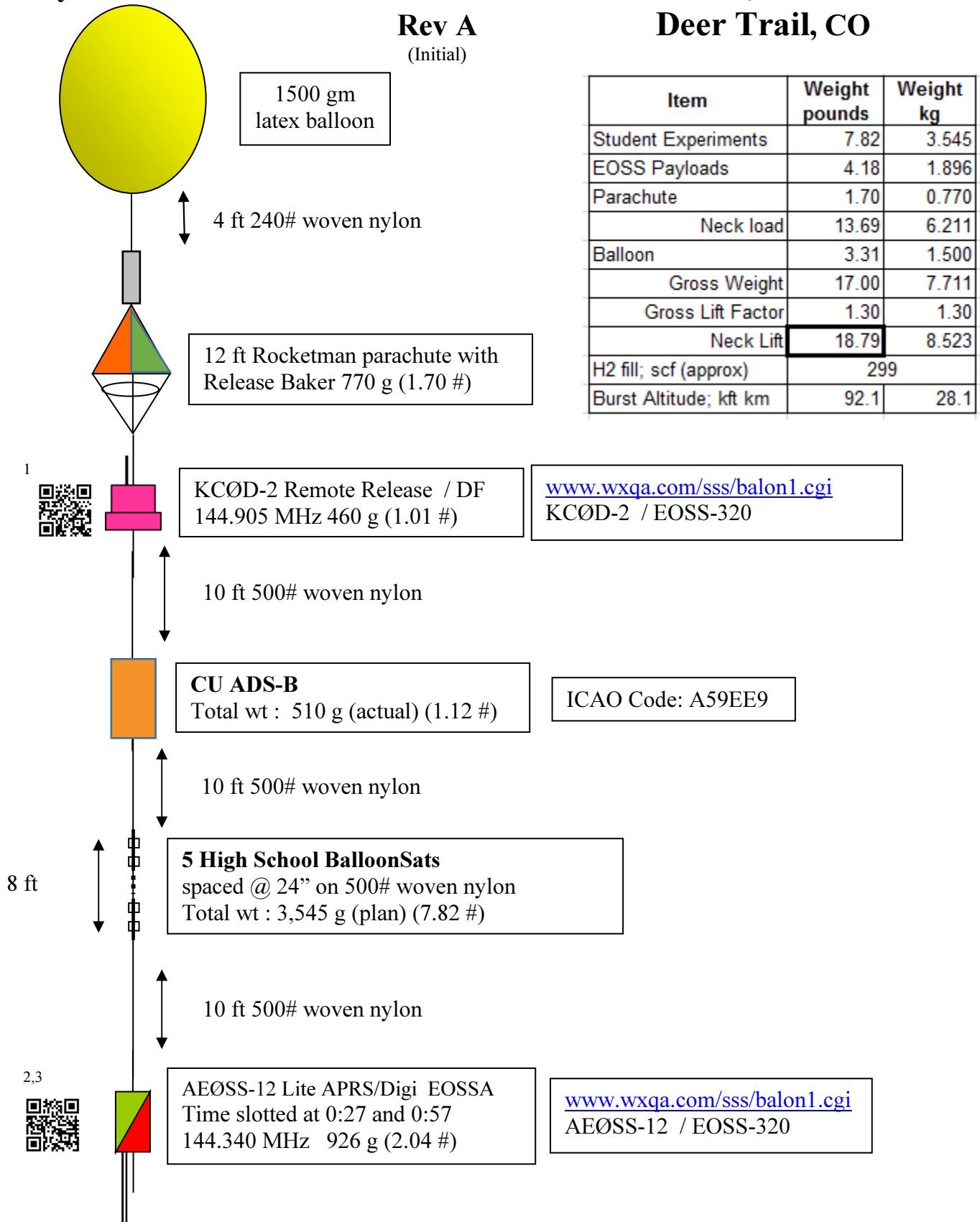
# EOSS-320 Lite

0715 MST, 10 Dec 2021

## Rev A

Deer Trail, CO

(Initial)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman parachute with Release Baker 770 g (1.70 #)

KCØD-2 Remote Release / DF  
144.905 MHz 460 g (1.01 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-2 / EOSS-320

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

ICAO Code: A59EE9

**5 High School BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 3,545 g (plan) (7.82 #)

AEØSS-12 Lite APRS/Digi EOSSA  
Time slotted at 0:27 and 0:57  
144.340 MHz 926 g (2.04 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-12 / EOSS-320

Item	Weight pounds	Weight kg
Student Experiments	7.82	3.545
EOSS Payloads	4.18	1.896
Parachute	1.70	0.770
Neck load	13.69	6.211
Balloon	3.31	1.500
Gross Weight	17.00	7.711
Gross Lift Factor	1.30	1.30
Neck Lift	18.79	8.523
H2 fill; scf (approx)	299	
Burst Altitude; kft km	92.1	28.1

<sup>1</sup> [www.aprs.fi/kc0d-2](http://www.aprs.fi/kc0d-2) (that is a zero)

<sup>2</sup> <http://www.aprs.fi/ae0ss-12> (that is a zero)

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