

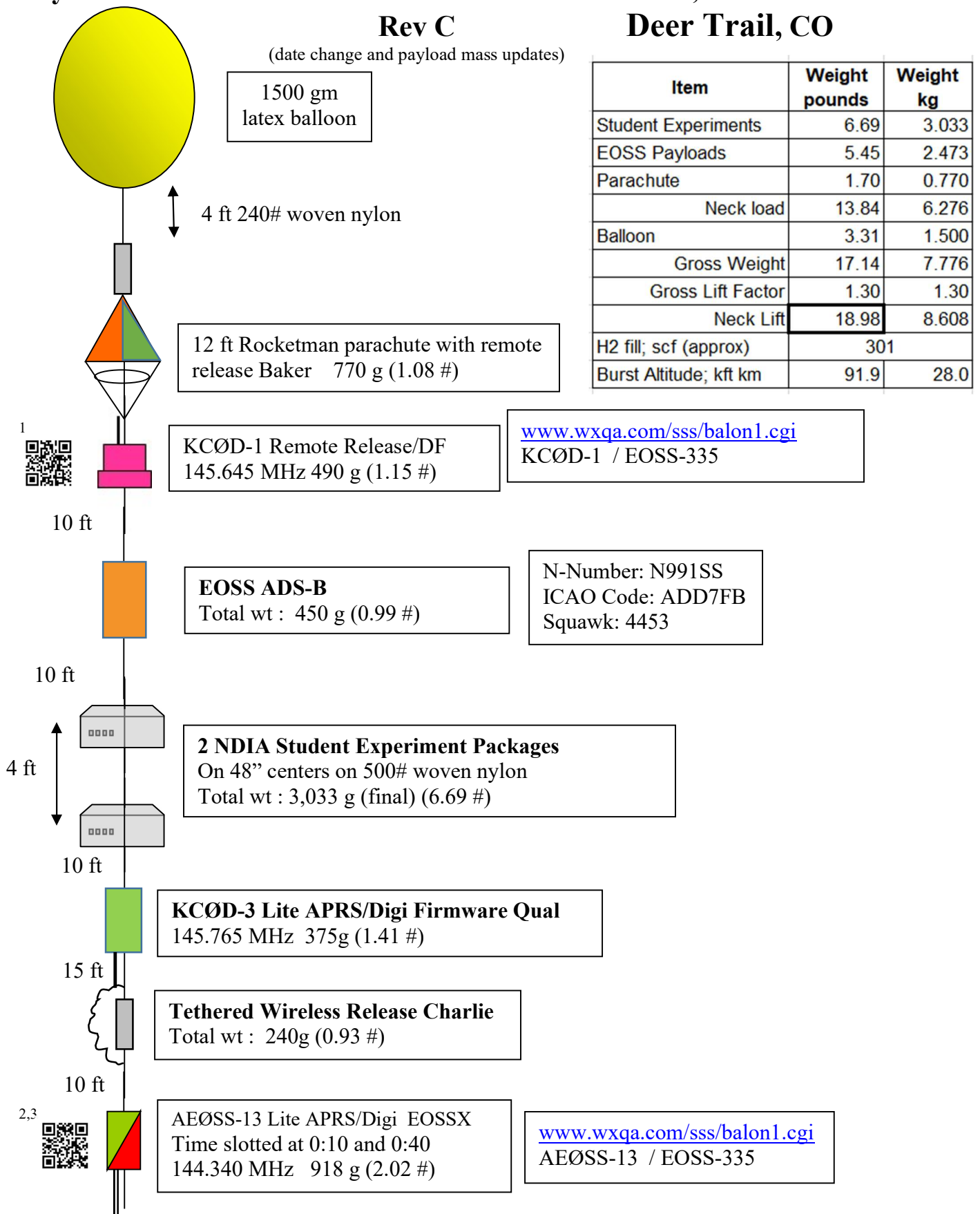
# Payload Plan

**EOSS-335 Lite 0700 MDT, 26 MAR 2023**

**Rev C**

**Deer Trail, CO**

(date change and payload mass updates)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman parachute with remote release Baker 770 g (1.08 #)

KCØD-1 Remote Release/DF  
145.645 MHz 490 g (1.15 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-1 / EOSS-335

**EOSS ADS-B**  
Total wt : 450 g (0.99 #)

N-Number: N991SS  
ICAO Code: ADD7FB  
Squawk: 4453

**2 NDIA Student Experiment Packages**  
On 48" centers on 500# woven nylon  
Total wt : 3,033 g (final) (6.69 #)

**KCØD-3 Lite APRS/Digi Firmware Qual**  
145.765 MHz 375g (1.41 #)

**Tethered Wireless Release Charlie**  
Total wt : 240g (0.93 #)

**AEØSS-13 Lite APRS/Digi EOSSX**  
Time slotted at 0:10 and 0:40  
144.340 MHz 918 g (2.02 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-13 / EOSS-335

Item	Weight pounds	Weight kg
Student Experiments	6.69	3.033
EOSS Payloads	5.45	2.473
Parachute	1.70	0.770
Neck load	13.84	6.276
Balloon	3.31	1.500
Gross Weight	17.14	7.776
Gross Lift Factor	1.30	1.30
Neck Lift	18.98	8.608
H2 fill; scf (approx)	301	
Burst Altitude; kft km	91.9	28.0

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

<sup>2</sup> <http://www.aprs.fi/ae0ss-13> (that is a zero)

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