

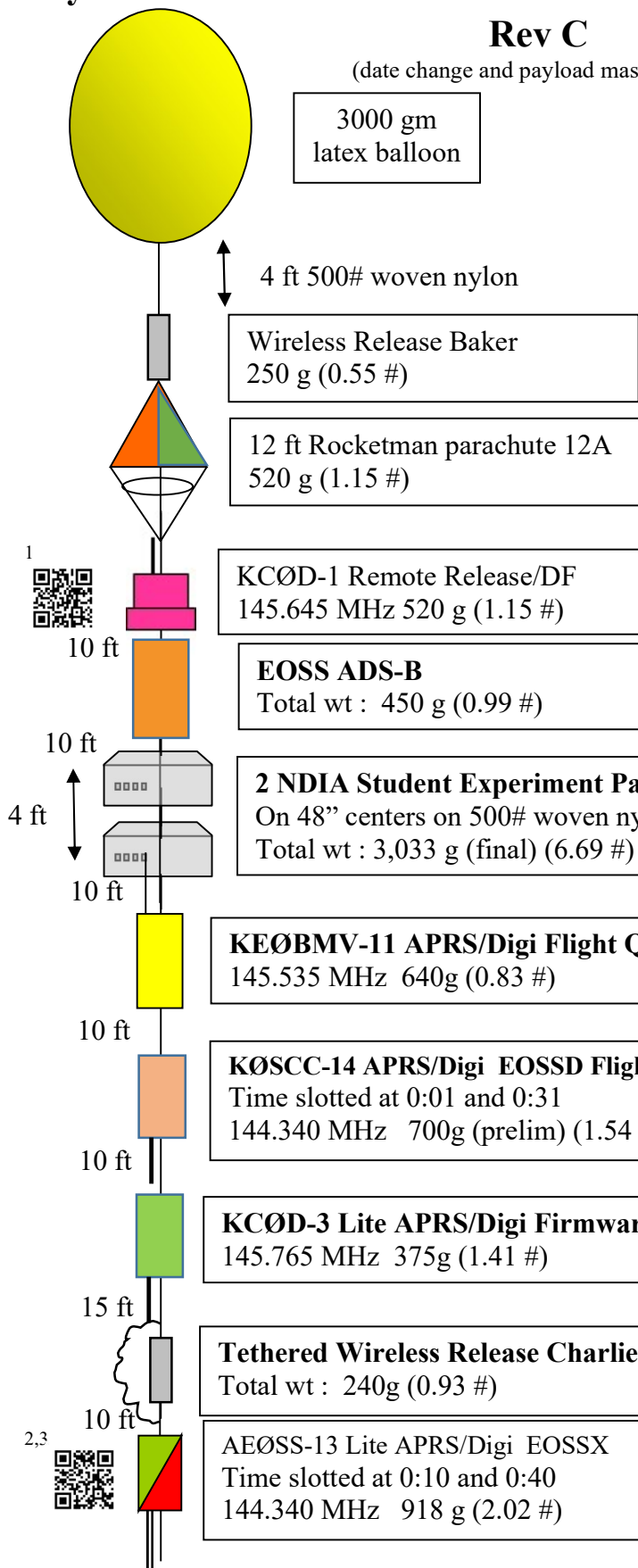
Payload Plan

EOSS-335 Heavy 0700 MDT, 26 MAR 2023

Rev C

Deer Trail, CO

(date change and payload mass update)



3000 gm latex balloon

4 ft 500# woven nylon

Wireless Release Baker
250 g (0.55 #)

12 ft Rocketman parachute 12A
520 g (1.15 #)

KCØD-1 Remote Release/DF
145.645 MHz 520 g (1.15 #)

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

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

KEØBMV-11 APRS/Digi Flight Qual
145.535 MHz 640g (0.83 #)

KØSCC-14 APRS/Digi EOSSD Flight Qual
Time slotted at 0:01 and 0:31
144.340 MHz 700g (prelim) (1.54 #)

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 #)

Item	Weight pounds	Weight kg
Student Experiments	8.23	3.733
EOSS Payloads	7.48	3.393
Parachute	1.15	0.520
Neck load	16.86	7.646
Balloon	6.61	3.000
Gross Weight	23.47	10.646
Gross Lift Factor	1.20	1.20
Neck Lift	21.55	9.774
H2 fill; scf (approx)	381	
Burst Altitude; kft km	107.3	32.7

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-335

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

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-335

¹ www.aprs.fi/kc0d-1 (that is a zero)

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

³ <https://track.eoss.org>