

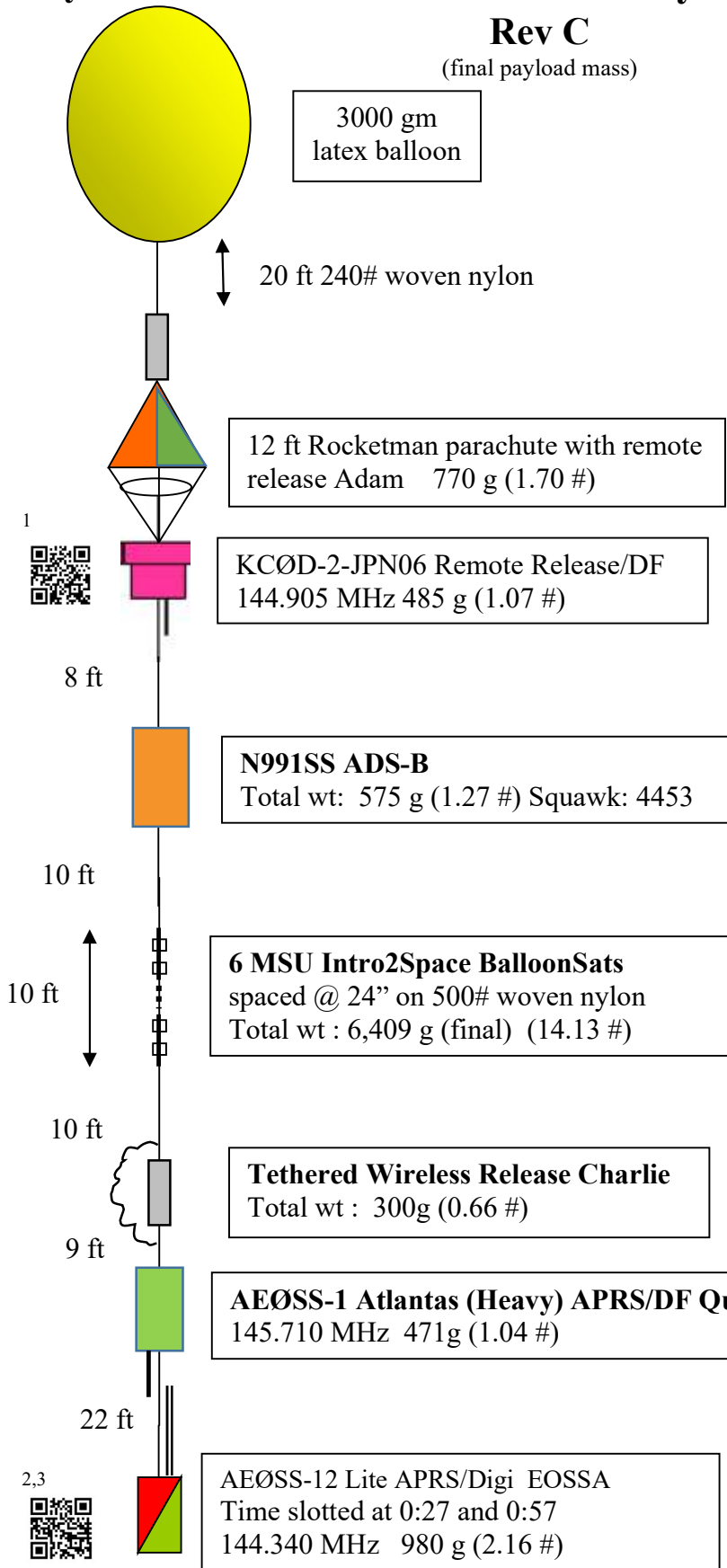
# Payload Plan

**EOSS-348 Heavy 0730 MDT, 04 NOV 2023**

**Rev C**

(final payload mass)

**Deer Trail, CO**



3000 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Adam 770 g (1.70 #)

KCØD-2-JPN06 Remote Release/DF 144.905 MHz 485 g (1.07 #)

**N991SS ADS-B**  
Total wt: 575 g (1.27 #) Squawk: 4453

**6 MSU Intro2Space BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 6,409 g (final) (14.13 #)

**Tethered Wireless Release Charlie**  
Total wt : 300g (0.66 #)

**AEØSS-1 Atlantis (Heavy) APRS/DF Qual**  
145.710 MHz 471g (1.04 #)

**AEØSS-12 Lite APRS/Digi EOSSA**  
Time slotted at 0:27 and 0:57  
144.340 MHz 980 g (2.16 #)

Item	Weight pounds	Weight kg
Student Experiments	14.13	6.409
EOSS Payloads	6.20	2.811
Parachute	1.70	0.770
Neck load	22.02	9.990
Balloon	6.61	3.000
Gross Weight	28.64	12.990
Gross Lift Factor	1.20	1.20
Neck Lift	27.75	12.586
H2 fill; scf (approx)	464	
Burst Altitude; kft km	103.1	31.4
<b>Manual Release Altitude kft</b>	<b>101.0</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-2 / EOSS-348

<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-12> (that is a zero)

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