

Payload Plan

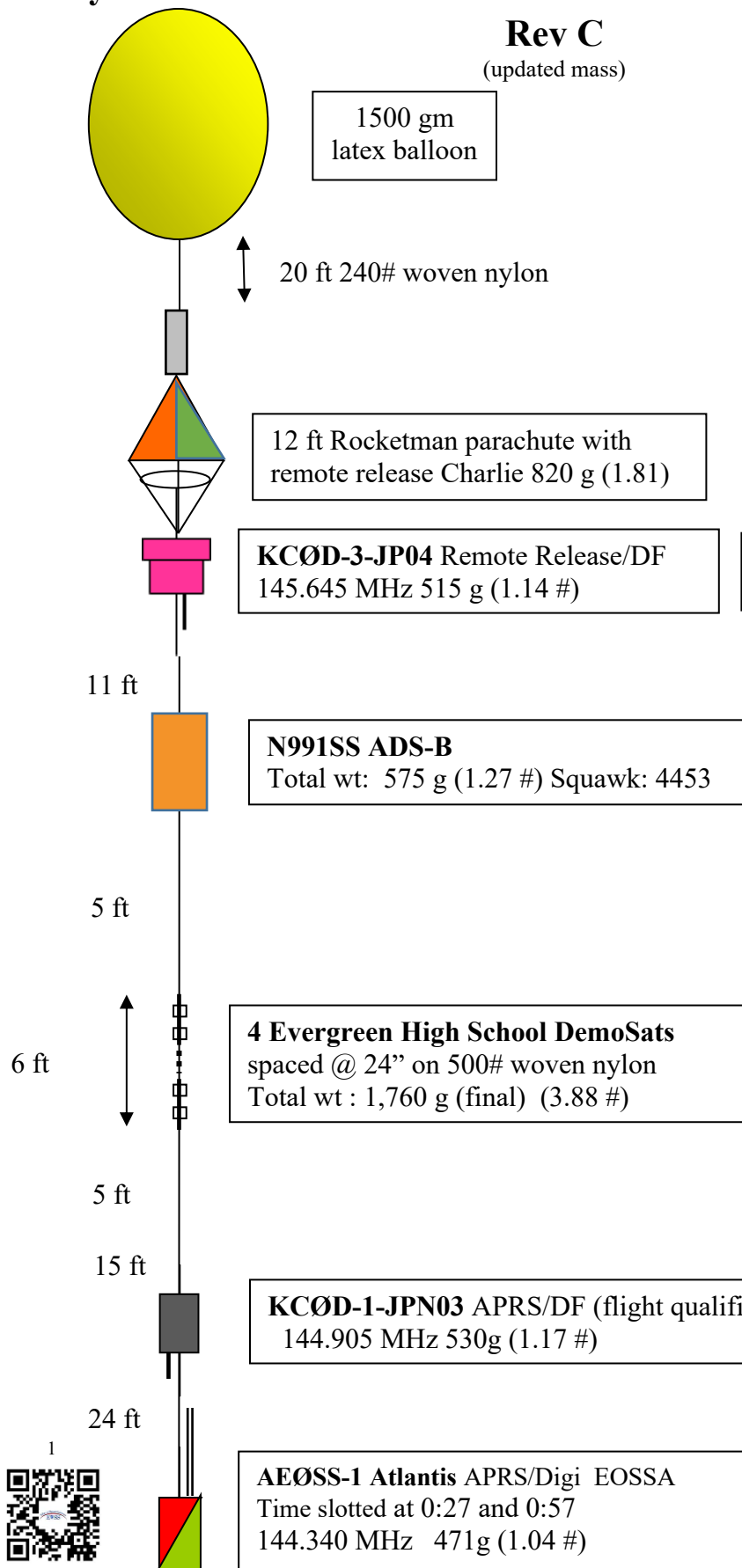
EOSS-388 Lite

Rev C

(updated mass)

0700 MST 06 Dec 2025

Deer Trail, CO



1500 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Charlie 820 g (1.81)

KCØD-3-JP04 Remote Release/DF
145.645 MHz 515 g (1.14 #)

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

4 Evergreen High School DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 1,760 g (final) (3.88 #)

KCØD-1-JPN03 APRS/DF (flight qualification)
144.905 MHz 530g (1.17 #)

AEØSS-1 Atlantis APRS/Digi EOSSA
Time slotted at 0:27 and 0:57
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	3.88	1.760
EOSS Payloads	4.61	2.091
Parachute	1.81	0.820
Neck load	10.30	4.671
Balloon	3.31	1.500
Gross Weight	13.60	6.171
Gross Lift Factor	1.30	1.30
Neck Lift	14.38	6.521
H2 fill; scf (approx)	239	
Burst Altitude; kft km	96.8	29.5
Manual Release Altitude kft	94.8	

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-388

(sorted lightest to heaviest)
EHS Women in STEM
EHS Ardwe gonna collet sum data?
EHS Lumberloon Launchers

www.wxqa.com/sss/balon1.cgi
AEØSS-1/ EOSS-388