

Payload Plan

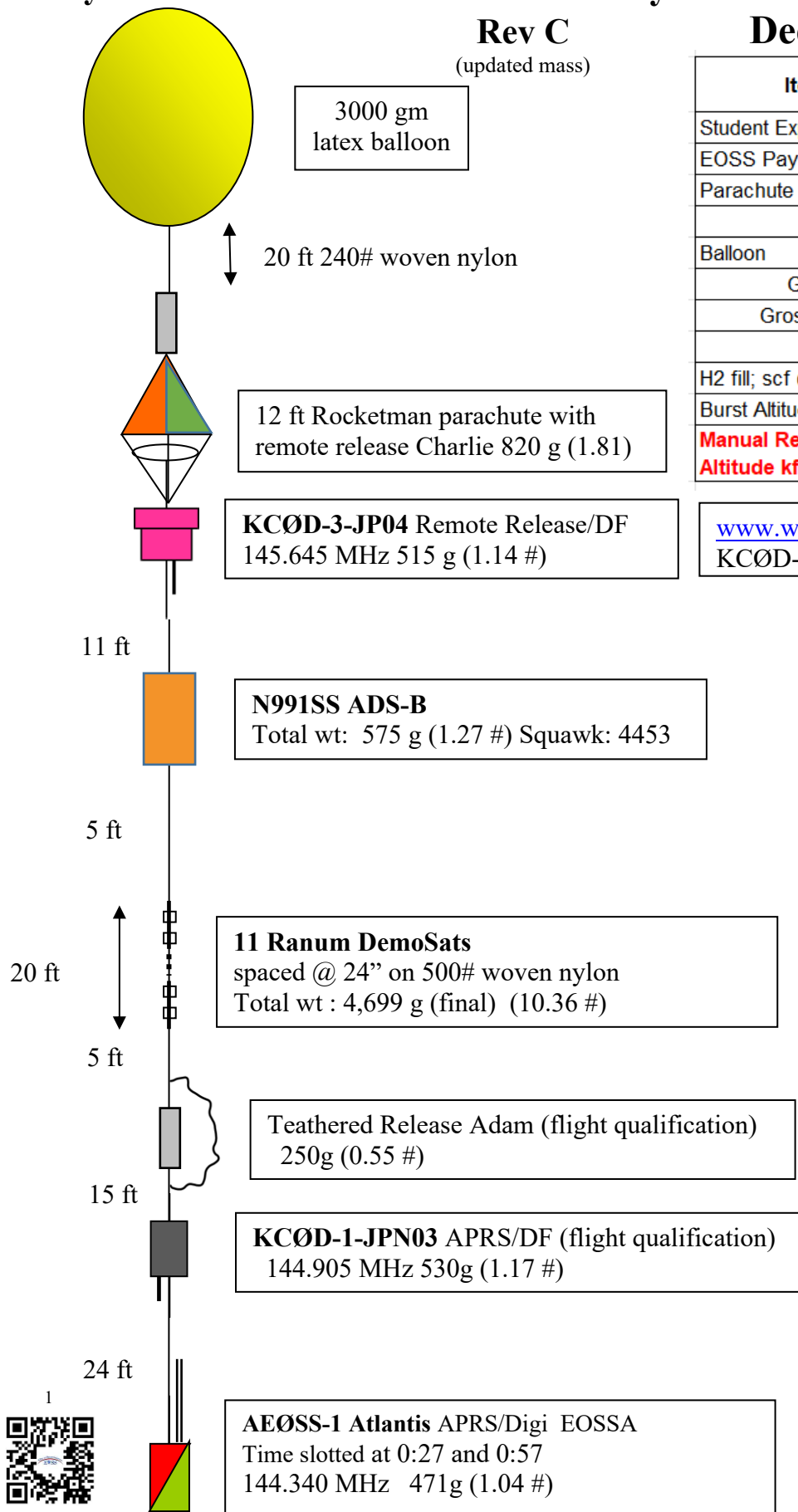
EOSS-388 Heavy

0700 MST 06 Dec 2025

Rev C

(updated mass)

Deer Trail, CO



3000 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

11 Ranum DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 4,699 g (final) (10.36 #)

Teathered Release Adam (flight qualification)
250g (0.55 #)

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	10.36	4.699
EOSS Payloads	5.16	2.341
Parachute	1.81	0.820
Neck load	17.33	7.860
Balloon	6.61	3.000
Gross Weight	23.94	10.860
Gross Lift Factor	1.20	1.20
Neck Lift	22.12	10.030
H2 fill; scf (approx)	388	
Burst Altitude; kft km	106.9	32.6
Manual Release Altitude kft	104.9	

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

- (sorted lightest to heaviest)
- Ranum #6
 - Ranum #1
 - Ranum #3
 - Ranum #5
 - Ranum #10
 - Ranum #2
 - Ranum #4
 - Ranum #7
 - Ranum #8
 - Camera & Mascot
 - Ranum #9

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