

Payload Plan (string 2)

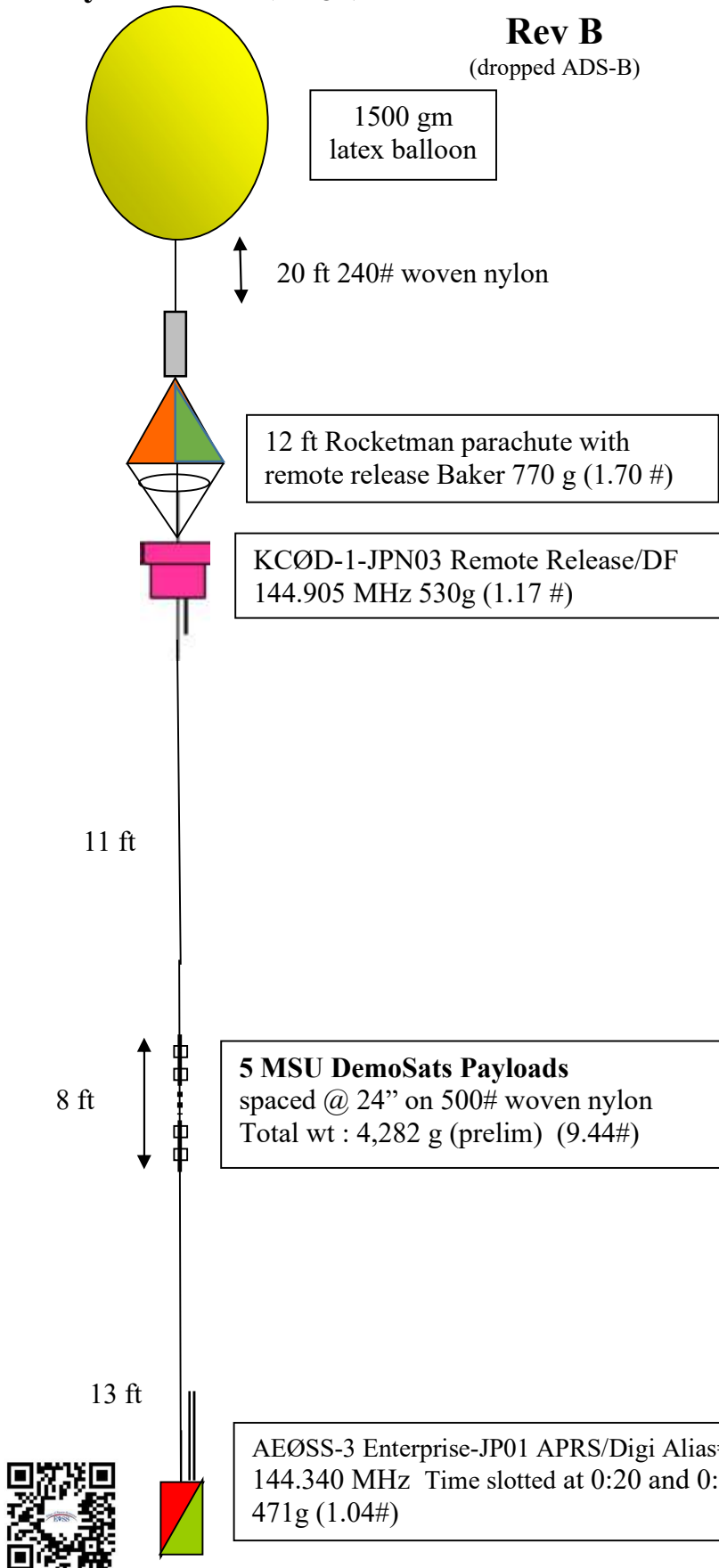
EOSS-373 Lite

0705 MDT 12 Apr 2025

Rev B

Deer Trail, CO

(dropped ADS-B)



1500 gm latex balloon

20 ft 240# woven nylon

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

KCØD-1-JPN03 Remote Release/DF
144.905 MHz 530g (1.17 #)

11 ft

8 ft

5 MSU DemoSats Payloads
spaced @ 24" on 500# woven nylon
Total wt : 4,282 g (prelim) (9.44#)

(lightest to heaviest)
TEAM C
PENDING
KAKOPHONI
ECHO
RADEXPLORERS

13 ft

AEØSS-3 Enterprise-JP01 APRS/Digi Alias="AEØSS"
144.340 MHz Time slotted at 0:20 and 0:50
471g (1.04#)

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-373

Item	Weight pounds	Weight kg
Student Experiments	9.44	4.282
EOSS Payloads	2.21	1.001
Parachute	1.70	0.770
Neck load	13.34	6.053
Balloon	3.31	1.500
Gross Weight	16.65	7.553
Gross Lift Factor	1.30	1.30
Neck Lift	18.34	8.317
H2 fill; scf (approx)	292	
Burst Altitude; kft km	92.5	28.2
Manual Release Altitude kft	90.5	

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