

Payload Plan

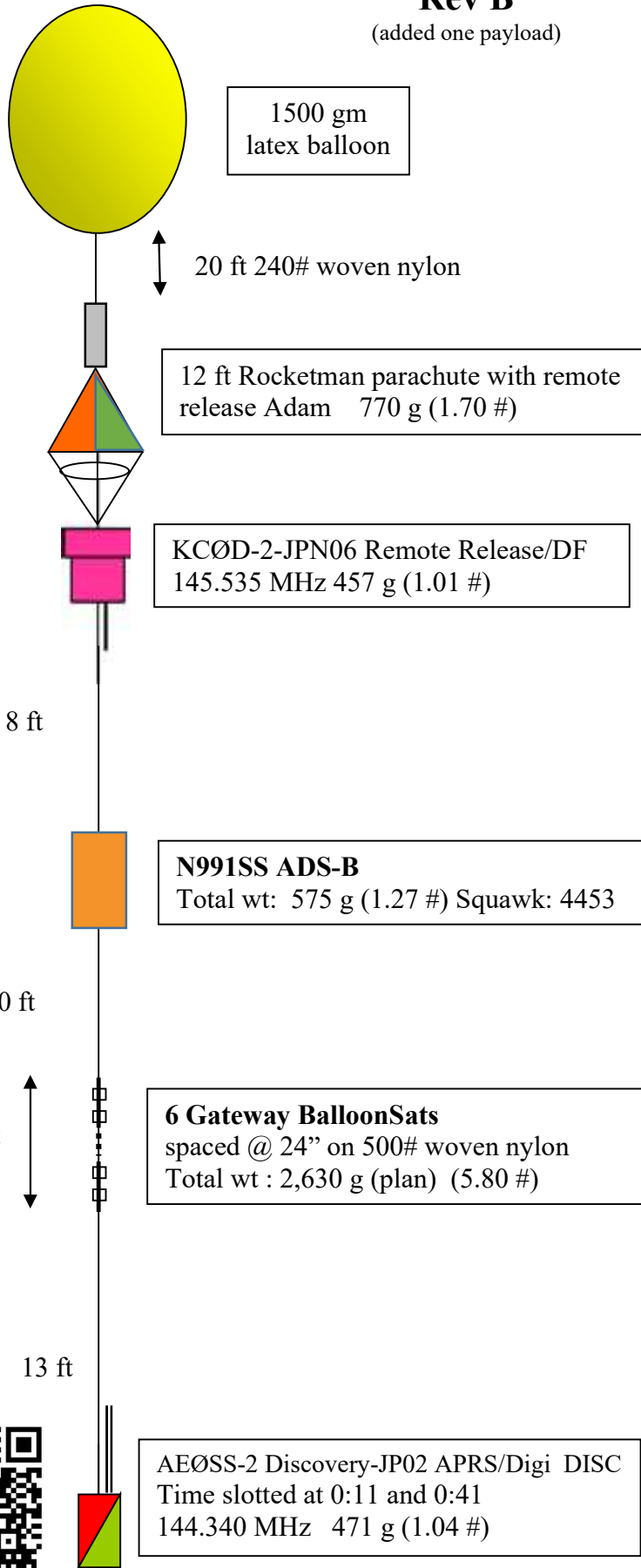
EOSS-361 Lite

0800 MDT, 03 AUG 2024

Rev B

Meadow Lake Airport

(added one payload)



1500 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
145.535 MHz 457 g (1.01 #)

8 ft

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

10 ft

10 ft

6 Gateway BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 2,630 g (plan) (5.80 #)

13 ft

AEØSS-2 Discovery-JP02 APRS/Digi DISC
Time slotted at 0:11 and 0:41
144.340 MHz 471 g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	5.80	2.630
EOSS Payloads	3.38	1.531
Parachute	1.70	0.770
Neck load	10.87	4.931
Balloon	3.31	1.500
Gross Weight	14.18	6.431
Gross Lift Factor	1.30	1.30
Neck Lift	15.12	6.859
H2 fill; scf (approx)	249	
Burst Altitude; kft km	95.9	29.2
Manual Release Altitude kft	93.9	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-361



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