

Payload Plan

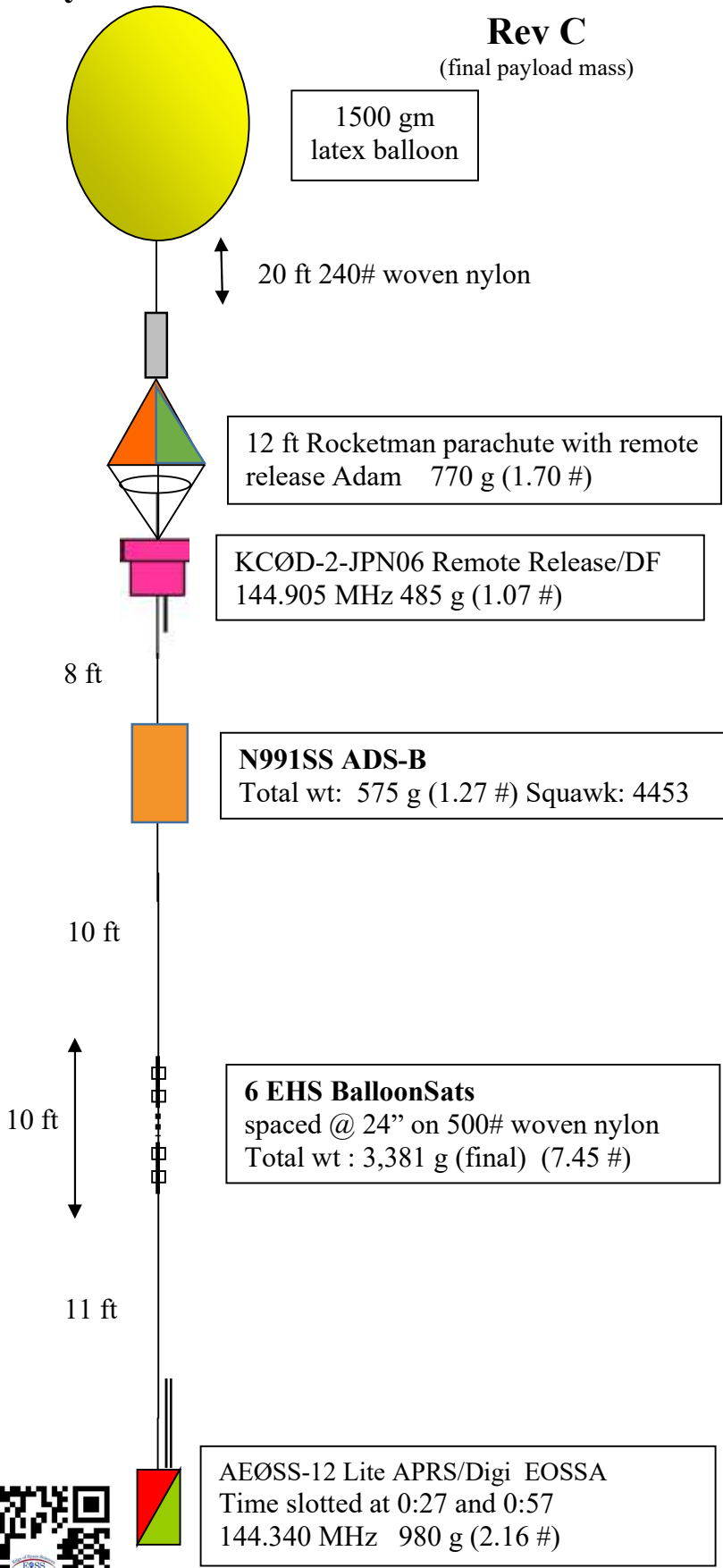
EOSS-351 Lite

0700 MST, 02 DEC 2023

Rev C

Deer Trail, CO

(final payload mass)



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 144.905 MHz 485 g (1.07 #)

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

6 EHS BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 3,381 g (final) (7.45 #)

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	7.45	3.381
EOSS Payloads	4.50	2.040
Parachute	1.70	0.770
Neck load	13.65	6.191
Balloon	3.31	1.500
Gross Weight	16.96	7.691
Gross Lift Factor	1.30	1.30
Neck Lift	18.74	8.497
H2 fill; scf (approx)	298	
Burst Altitude; kft km	92.1	28.1
Manual Release Altitude kft	90.0	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-351

Payload Order (top to bottom):
1, 4, 6, 2, 3, 5

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-351

