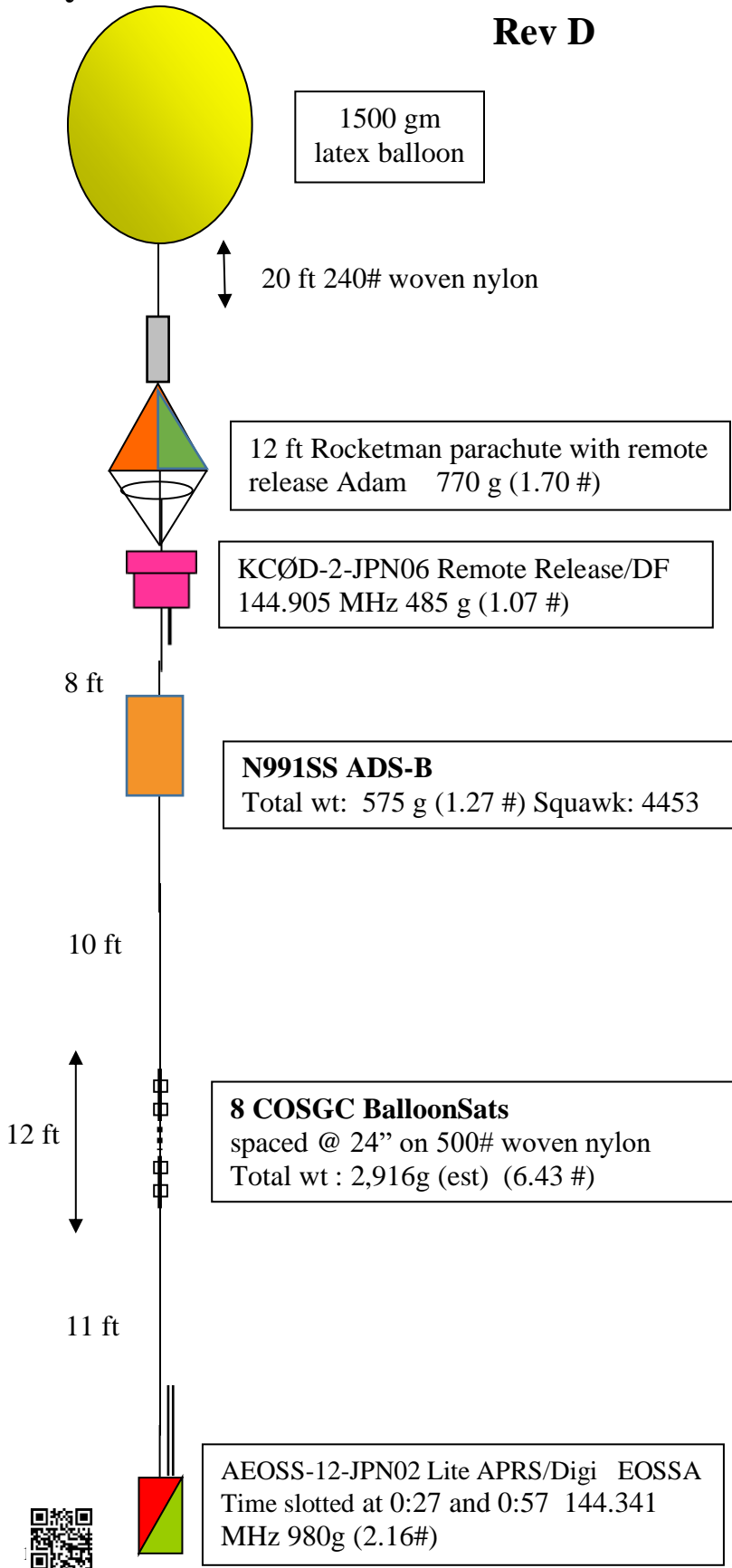


Payload Plan

EOSS-350 Lite Rev D

0700 MDT, 11 NOV 2023

Deer Trail, CO



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

8 COSGC BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 2,916g (est) (6.43 #)

AEOSS-12-JPN02 Lite APRS/Digi EOSSA
Time slotted at 0:27 and 0:57 144.341 MHz 980g (2.16#)

Item	Weight pounds	Weight kg
Student Experiments	6.43	2.916
EOSS Payloads	4.50	2.040
Parachute	1.70	0.770
Neck load	12.62	5.726
Balloon	3.31	1.500
Gross Weight	15.93	7.226
Gross Lift Factor	1.30	1.30
Neck Lift	17.40	7.892
H2 fill; scf (approx)	280	
Burst Altitude; kft km	93.5	28.5
Manual Release Altitude kft	91.5	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-350

www.wxqa.com/sss/balon1.cgi
AEOSS-12 / EOSS-350

¹ <http://www.aprs.fi/ae0ss-12> (that is a zero)

² <https://track.eoss.org>