

Payload Plan

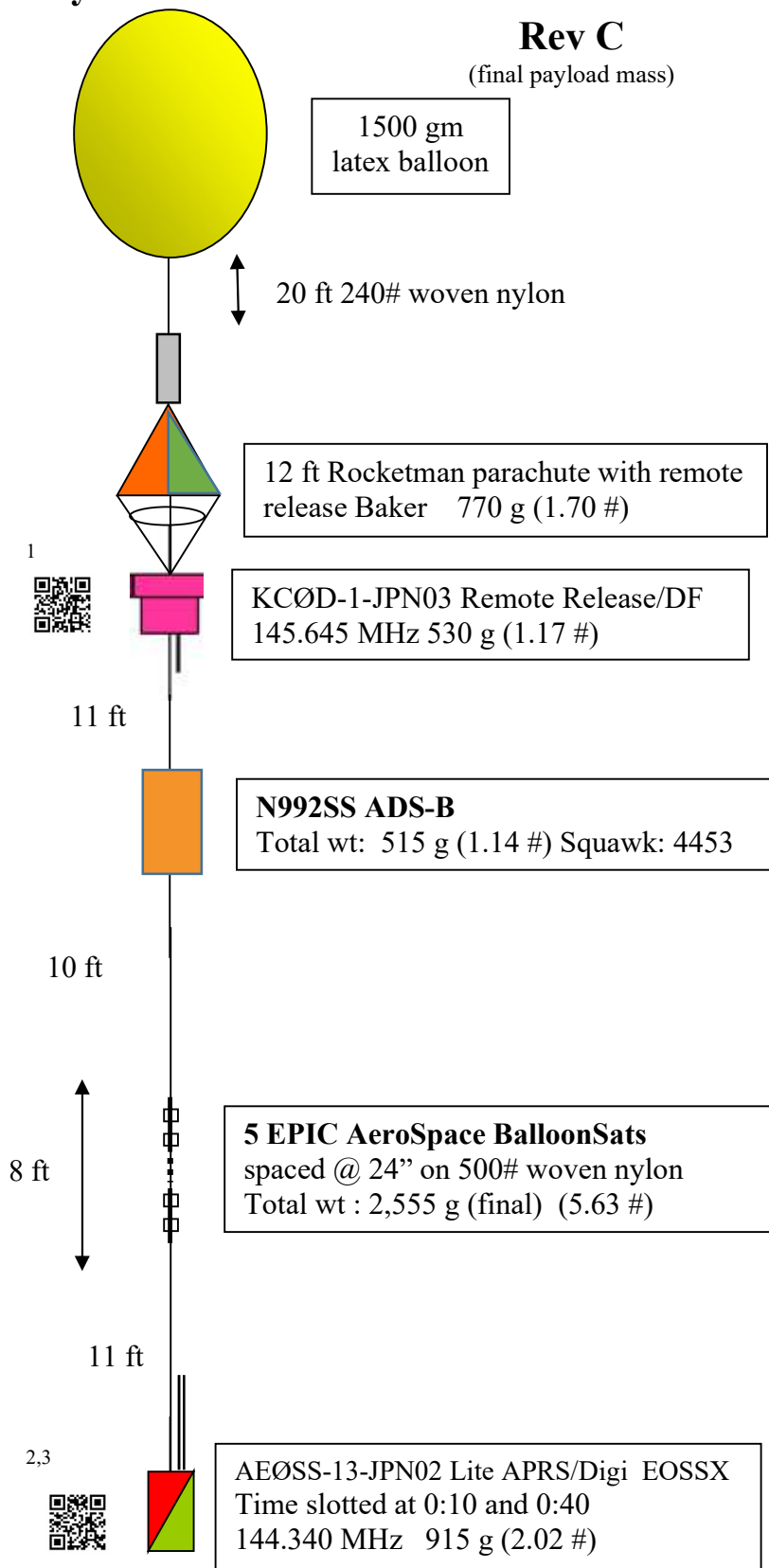
EOSS-349 Lite

0745 MDT, 04 NOV 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 Baker 770 g (1.70 #)

KCØD-1-JPN03 Remote Release/DF 145.645 MHz 530 g (1.17 #)

N992SS ADS-B Total wt: 515 g (1.14 #) Squawk: 4453

5 EPIC AeroSpace BalloonSats spaced @ 24" on 500# woven nylon Total wt : 2,555 g (final) (5.63 #)

AEØSS-13-JPN02 Lite APRS/Digi EOSSX Time slotted at 0:10 and 0:40 144.340 MHz 915 g (2.02 #)

Item	Weight pounds	Weight kg
Student Experiments	5.63	2.555
EOSS Payloads	4.32	1.960
Parachute	1.70	0.770
Neck load	11.65	5.285
Balloon	3.31	1.500
Gross Weight	14.96	6.785
Gross Lift Factor	1.30	1.30
Neck Lift	16.14	7.319
H2 fill; scf (approx)	263	
Burst Altitude; kft km	94.8	28.9
Manual Release Altitude kft	92.0	

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-349

D.A.D
Lakers
Team 7
Aerogel
Ucat

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-349

¹ www.aprs.fi/kc0d-2 (that is a zero)

² <http://www.aprs.fi/ae0ss-13> (that is a zero)

³ <https://track.eoss.org>