

Payload Plan

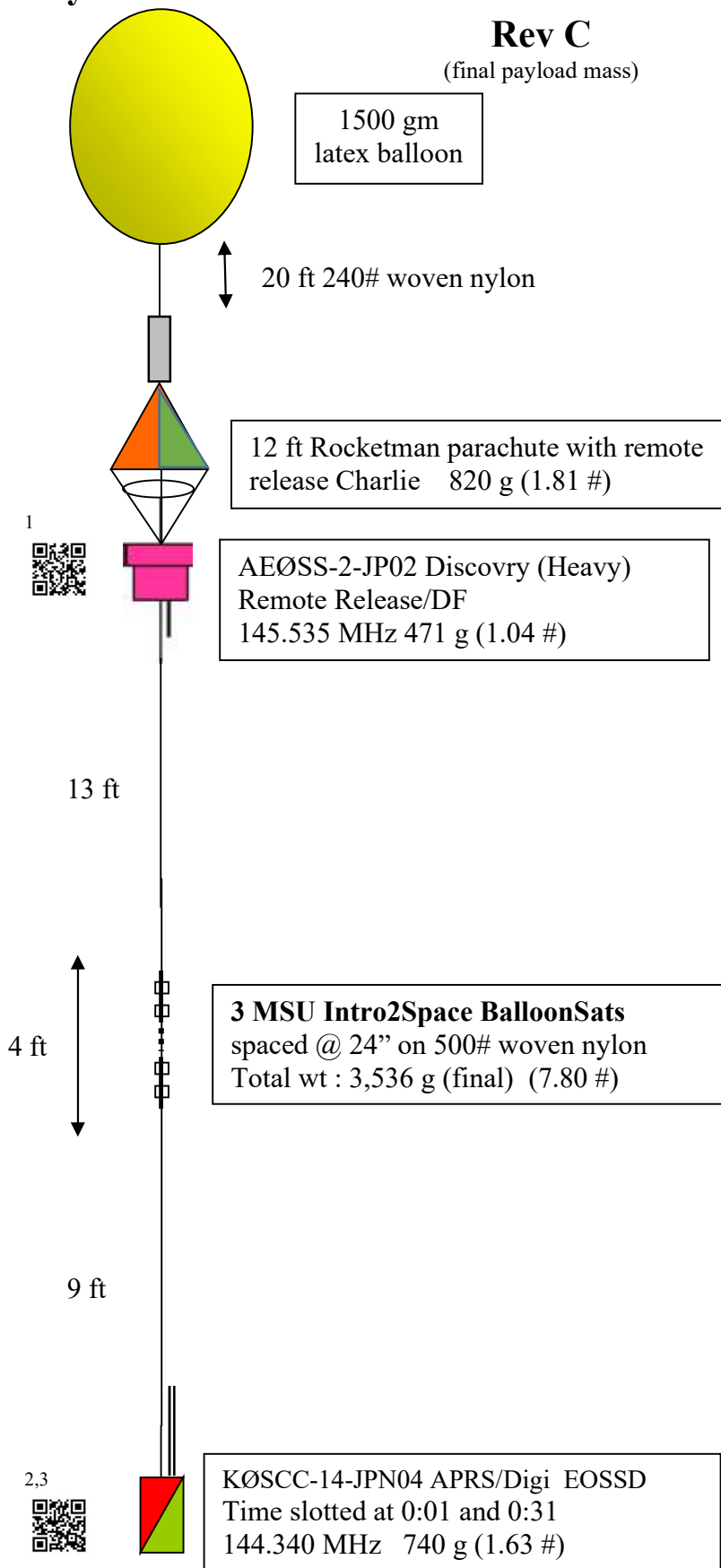
EOSS-350 Lite

0805 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 Charlie 820 g (1.81 #)

AEØSS-2-JP02 Discovery (Heavy) Remote Release/DF
145.535 MHz 471 g (1.04 #)

3 MSU Intro2Space BalloonSats spaced @ 24" on 500# woven nylon
Total wt : 3,536 g (final) (7.80 #)

KØSCC-14-JPN04 APRS/Digi EOSSD
Time slotted at 0:01 and 0:31
144.340 MHz 740 g (1.63 #)

Item	Weight pounds	Weight kg
Student Experiments	7.80	3.536
EOSS Payloads	2.67	1.211
Parachute	1.81	0.820
Neck load	12.27	5.567
Balloon	3.31	1.500
Gross Weight	15.58	7.067
Gross Lift Factor	1.30	1.30
Neck Lift	16.95	7.686
H2 fill; scf (approx)	274	
Burst Altitude; kft km	93.9	28.6
Manual Release Altitude kft	92.0	

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

Easy as π
Ambitious
ProGAStinators

www.wxqa.com/sss/balon1.cgi
KØSCC-14 / EOSS-350

¹ www.aprs.fi/ae0ss-2 (that is a zero)

² <http://www.aprs.fi/k0scc-14> (that is a zero)

³ <https://track.eoss.org>