

Payload Plan

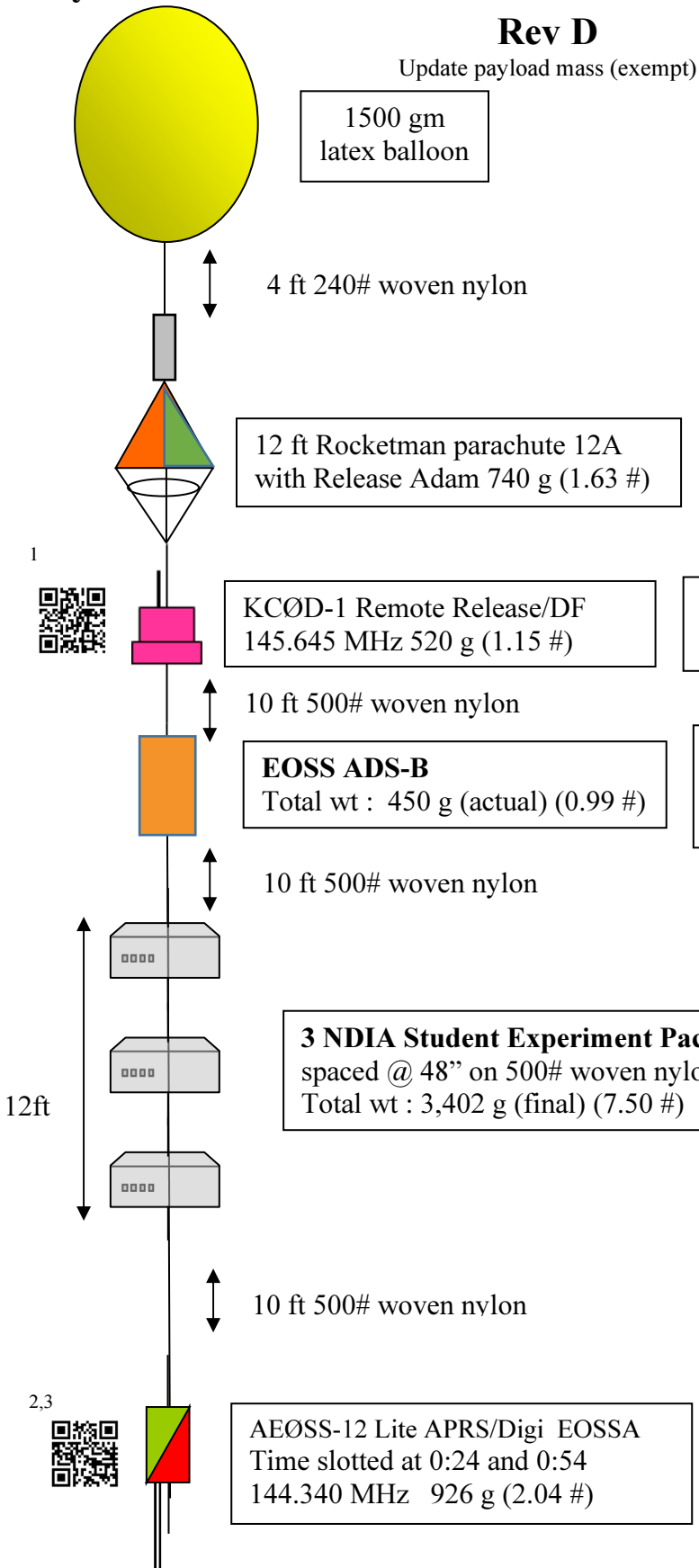
EOSS-322 Lite

0640 MDT, 09 APR 2022

Rev D

Deer Trail, CO

Update payload mass (exempt)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman parachute 12A with Release Adam 740 g (1.63 #)

KCØD-1 Remote Release/DF
145.645 MHz 520 g (1.15 #)

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-322

EOSS ADS-B
Total wt : 450 g (actual) (0.99 #)

N-Number: N991SS
ICAO Code: ADD7FB
Squawk: 4453

10 ft 500# woven nylon

3 NDIA Student Experiment Packages
spaced @ 48" on 500# woven nylon
Total wt : 3,402 g (final) (7.50 #)

12ft

10 ft 500# woven nylon

AEØSS-12 Lite APRS/Digi EOSSA
Time slotted at 0:24 and 0:54
144.340 MHz 926 g (2.04 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-322

Item	Weight pounds	Weight kg
Student Experiments	7.50	3.402
EOSS Payloads	4.19	1.900
Parachute	1.63	0.740
Neck load	13.32	6.042
Balloon	3.31	1.500
Gross Weight	16.63	7.542
Gross Lift Factor	1.25	1.25
Neck Lift	17.48	7.926
H2 fill; scf (approx)	281	
Burst Altitude; kft km	93.4	28.5

¹ <http://www.aprs.fi/kc0d-1> (that is a zero)

² <http://www.aprs.fi/ae0ss-12> (that is a zero)

³ <https://track.eoss.org>