

Payload Plan

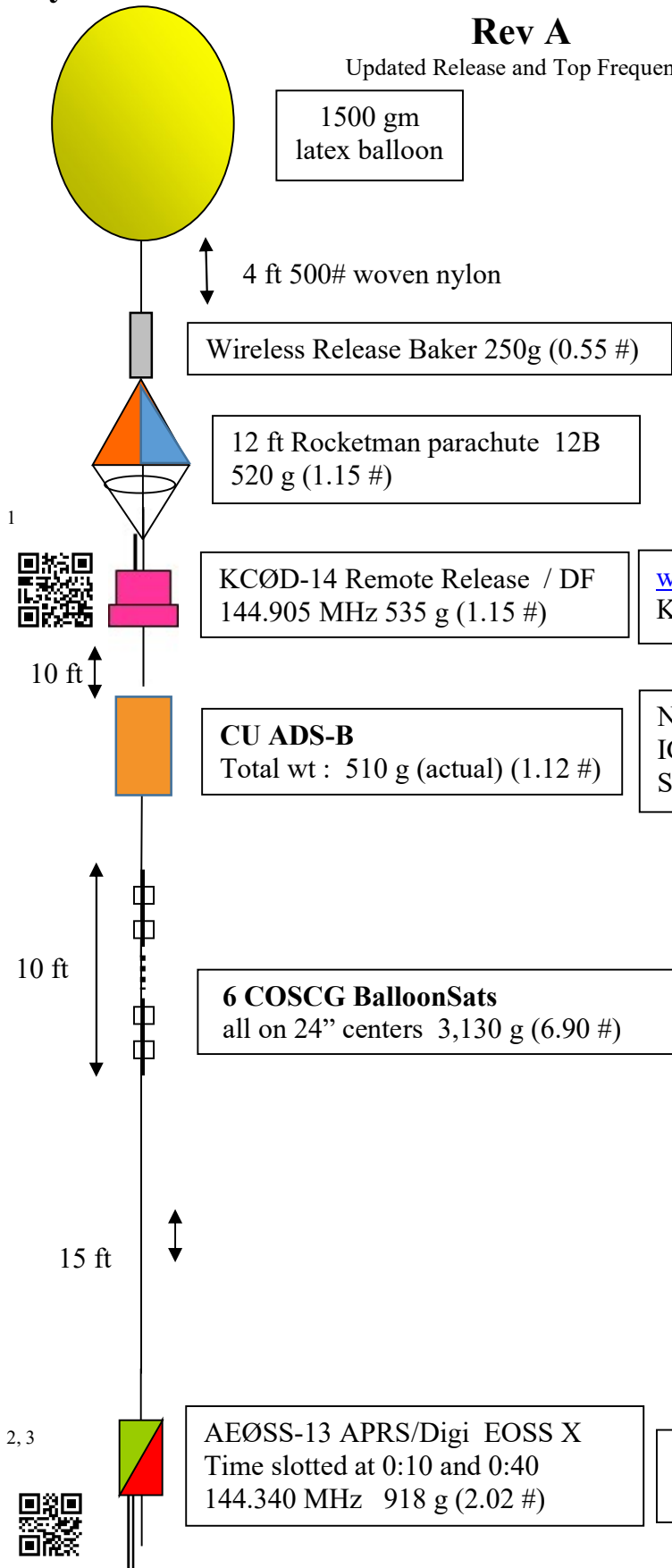
EOSS-322 Lite

0715 MDT, 02 APR 2022

Rev A

Deer Trail, CO

Updated Release and Top Frequency



1500 gm latex balloon

4 ft 500# woven nylon

Wireless Release Baker 250g (0.55 #)

12 ft Rocketman parachute 12B 520 g (1.15 #)

KCØD-14 Remote Release / DF 144.905 MHz 535 g (1.15 #)

CU ADS-B
Total wt : 510 g (actual) (1.12 #)

6 COSCG BalloonSats
all on 24" centers 3,130 g (6.90 #)

AEØSS-13 APRS/Digi EOSS X
Time slotted at 0:10 and 0:40
144.340 MHz 918 g (2.02 #)

Item	Weight pounds	Weight kg
Student Experiments	6.90	3.130
EOSS Payloads	4.88	2.213
Parachute	1.15	0.520
Neck load	12.93	5.863
Balloon	3.31	1.500
Gross Weight	16.23	7.363
Gross Lift Factor	1.20	1.20
Neck Lift	16.17	7.334
H2 fill; scf (approx)	263	
Burst Altitude; kft km	94.8	28.9

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-322

N-Number: N461SG
ICAO Code: A59EE9
Squawk: 4453

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-322

¹ <http://www.aprs.fi/kc0d-14> (that is a zero)
² www.aprs.fi/ae0ss-13 (that is a zero)
³ <https://track.eoss.org>