

Payload Plan

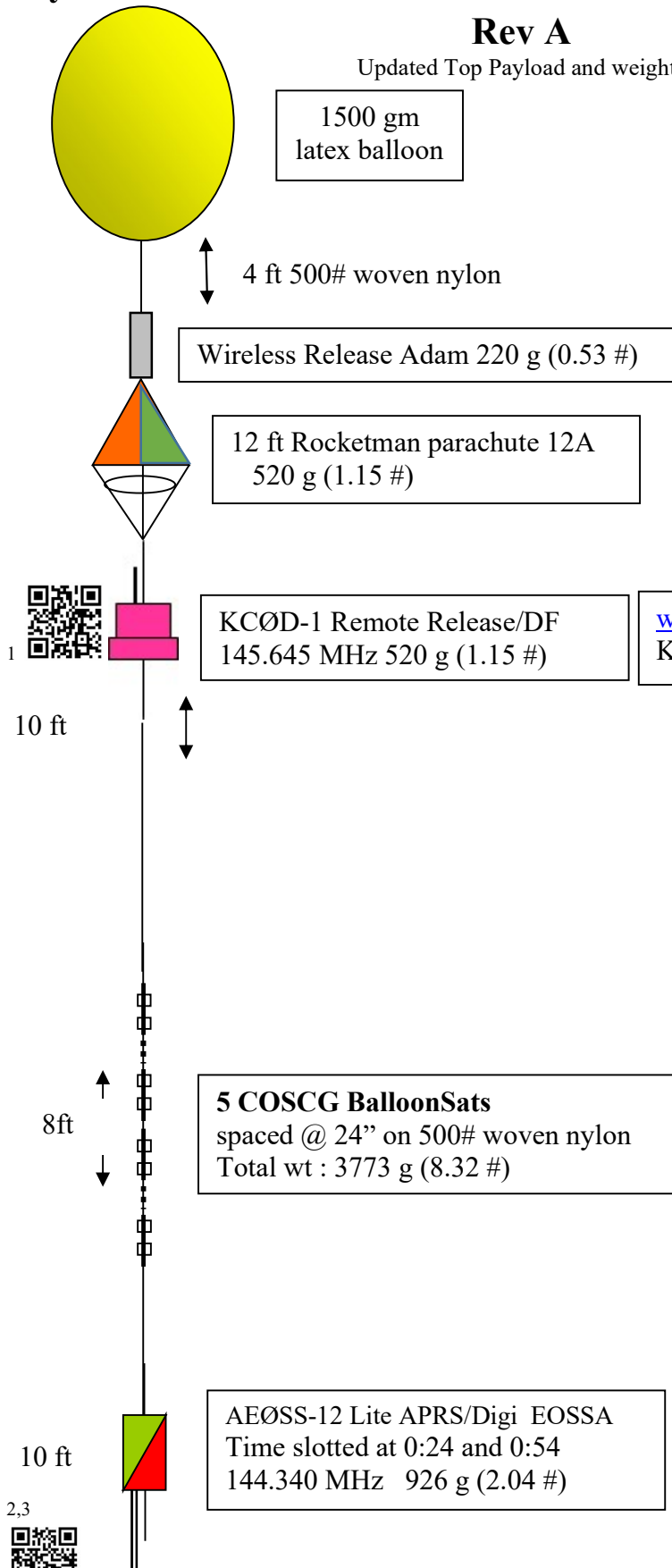
EOSS-321 Lite

0700 MDT, 02 APR 2022

Rev A

Deer Trail, CO

Updated Top Payload and weights



Item	Weight pounds	Weight kg
Student Experiments	8.32	3.773
EOSS Payloads	3.68	1.670
Parachute	1.15	0.520
Neck load	13.15	5.963
Balloon	3.31	1.500
Gross Weight	16.45	7.463
Gross Lift Factor	1.20	1.20
Neck Lift	16.44	7.454
H2 fill; scf (approx)	267	
Burst Altitude; kft km	94.5	28.8

1500 gm latex balloon

4 ft 500# woven nylon

Wireless Release Adam 220 g (0.53 #)

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

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

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-321

5 COSCG BalloonSats spaced @ 24" on 500# woven nylon Total wt : 3773 g (8.32 #)

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-321

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>