

Payload Plan

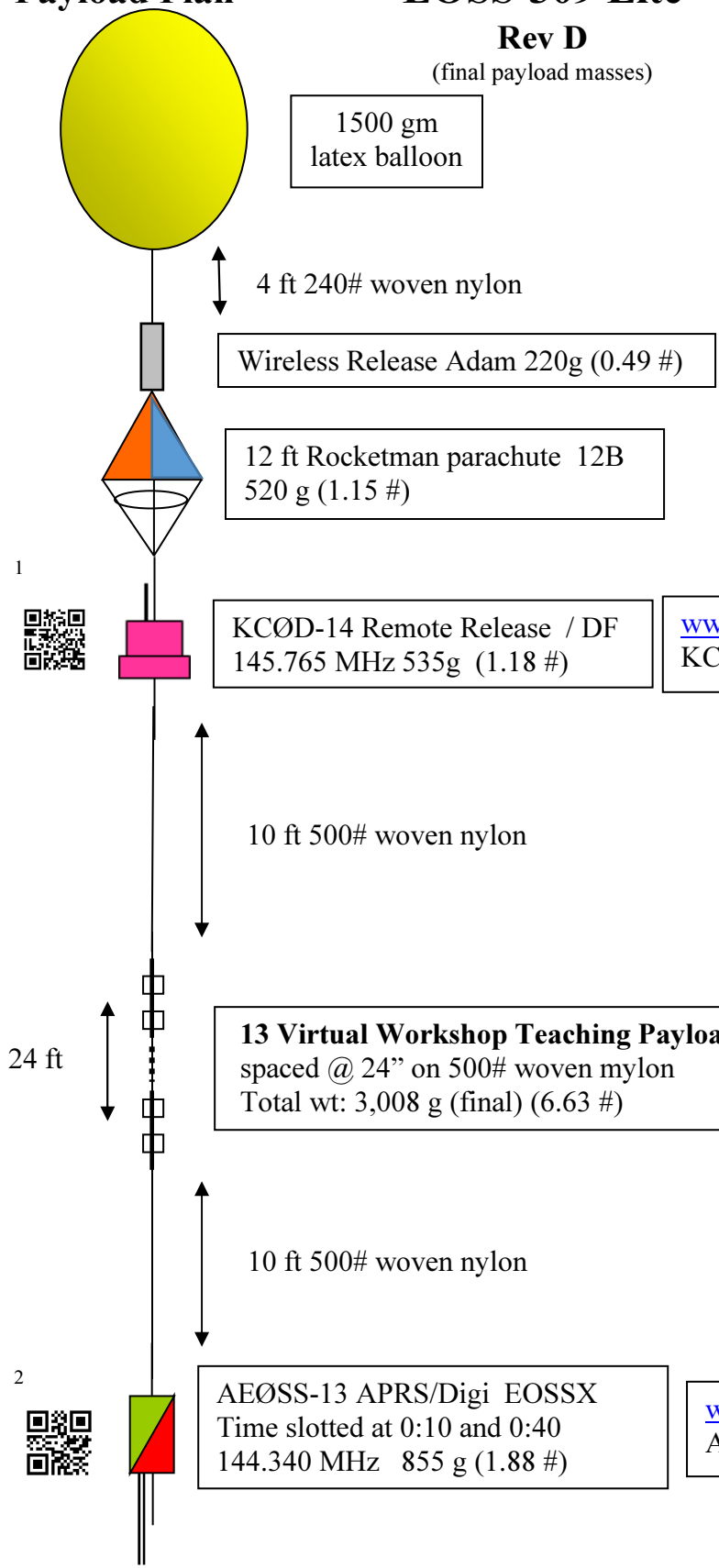
EOSS-309 Lite

Rev D

(final payload masses)

0715 MDT, 03 Apr 2021

Deer Trail, CO



Item	Weight pounds	Weight kg
Student Experiments	6.63	3.008
EOSS Payloads	3.06	1.390
Parachute	1.63	0.740
Neck load	11.33	5.138
Balloon	3.31	1.500
Gross Weight	14.63	6.638
Gross Lift Factor	1.30	1.30
Neck Lift	15.72	7.128
H2 fill; scf (approx)	257	
Burst Altitude; kft km	95.3	29.0

1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.49 #)

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

KCØD-14 Remote Release / DF 145.765 MHz 535g (1.18 #)

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-309

10 ft 500# woven nylon

13 Virtual Workshop Teaching Payloads
spaced @ 24" on 500# woven nylon
Total wt: 3,008 g (final) (6.63 #)

10 ft 500# woven nylon

AEØSS-13 APRS/Digi EOSSX
Time slotted at 0:10 and 0:40
144.340 MHz 855 g (1.88 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-309

¹ www.aprs.fi/kc0d-14 (that is a zero)
² www.aprs.fi/ae0ss-13 (that is a zero)