

Payload Plan

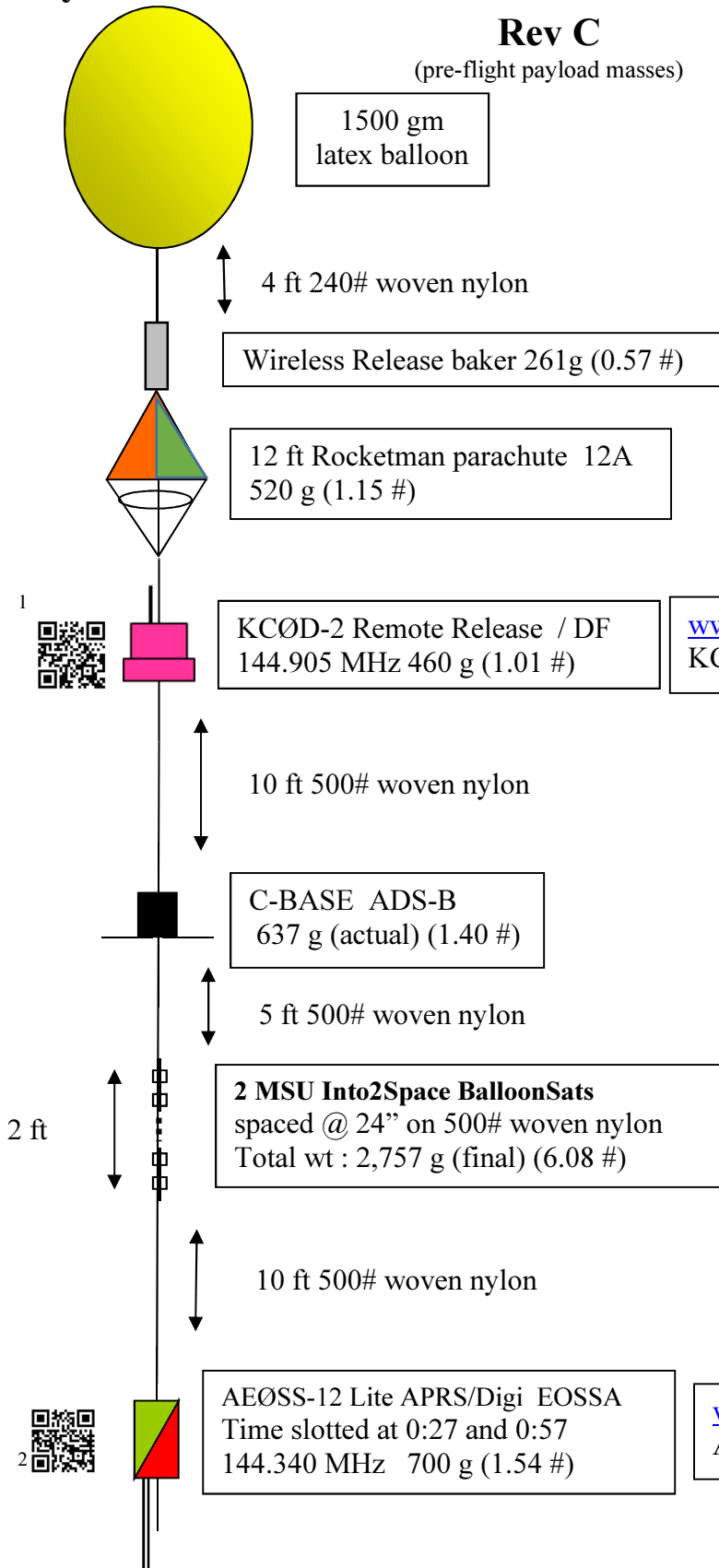
EOSS-294 Lite

0730 MDT, 02 Nov 2019

Rev C

Wiggins, CO

(pre-flight payload masses)



Item	Weight pounds	Weight kg
Student Payloads	6.08	2.757
EOSS Payloads	3.96	1.797
Parachute	1.72	0.781
Neck load	11.76	5.335
Balloon	3.31	1.500
Gross Weight	15.07	6.835
Gross Lift Factor	1.25	1.25
Neck Lift	15.53	7.043
H2 fill; scf (approx)	254	
Burst Altitude; kft km	95.5	29.1

1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release baker 261g (0.57 #)

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

KCØD-2 Remote Release / DF 144.905 MHz 460 g (1.01 #)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-294

10 ft 500# woven nylon

C-BASE ADS-B 637 g (actual) (1.40 #)

5 ft 500# woven nylon

2 MSU Into2Space BalloonSats spaced @ 24" on 500# woven nylon Total wt : 2,757 g (final) (6.08 #)

10 ft 500# woven nylon

AEØSS-12 Lite APRS/Digi EOSSA Time slotted at 0:27 and 0:57 144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-294

¹ www.aprs.fi/kc0d-2 (that is a zero)

² www.aprs.fi/ae0ss-12 (that is a zero)