

Payload Plan

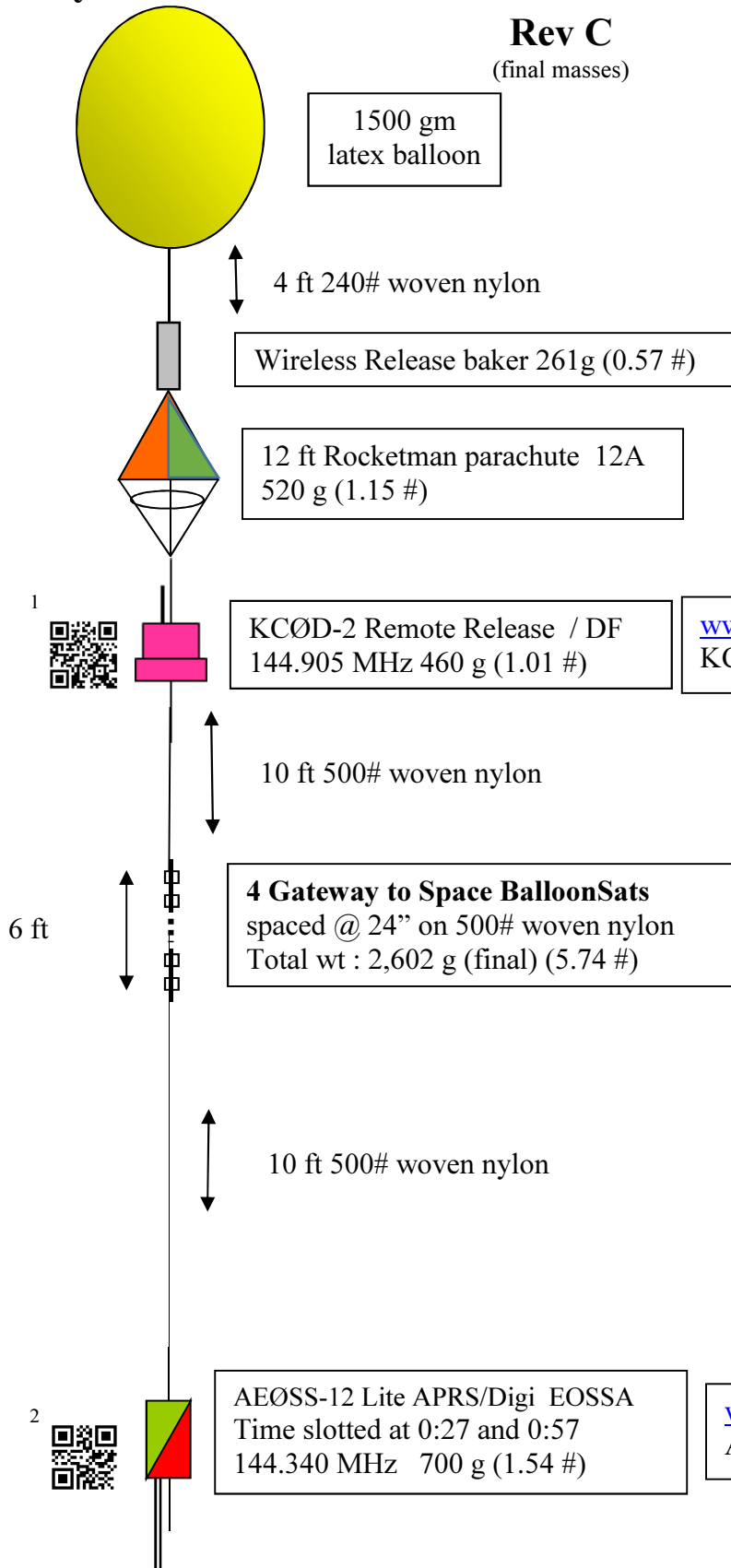
EOSS-287 Lite

0630 MDT, 14 April 2019

Rev C

Wiggins, CO

(final masses)



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-287

10 ft 500# woven nylon

4 Gateway to Space BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 2,602 g (final) (5.74 #)

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-287

Item	Weight pounds	Weight kg
Student Payloads	5.74	2.602
EOSS Payloads	2.56	1.16
Parachute	1.72	0.781
Neck load	10.02	4.543
Balloon	3.31	1.500
Gross Weight	13.32	6.043
Gross Lift Factor	1.25	1.25
Neck Lift	13.35	6.053
H2 fill; scf (approx)	225	
Burst Altitude; kft km	98.1	29.9

¹ www.aprs.fi/kc0d-2 (that is a zero)

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