

Payload Plan

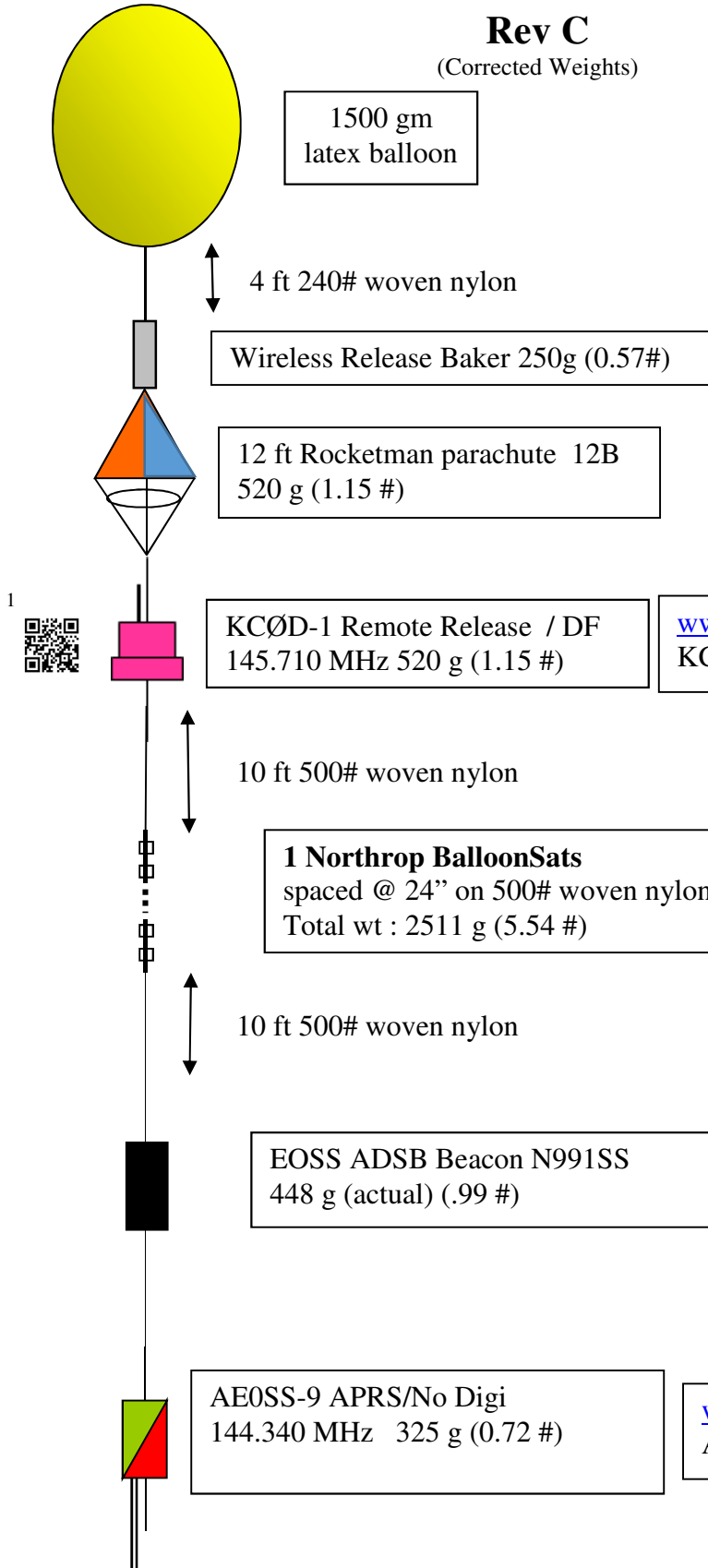
EOSS-316 Lite

0720 MDT, 10 OCT 2021

Rev C

Deer Trail, CO

(Corrected Weights)



1500 gm
latex balloon

4 ft 240# woven nylon
Wireless Release Baker 250g (0.57#)

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

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

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-316

10 ft 500# woven nylon
1 Northrop BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 2511 g (5.54 #)

10 ft 500# woven nylon
EOSS ADSB Beacon N991SS
448 g (actual) (.99 #)

AEØSS-9 APRS/No Digi
144.340 MHz 325 g (0.72 #)

Item	Weight pounds	Weight kg
Student Experiments	5.54	2.511
EOSS Payloads	2.76	1.253
Parachute	1.70	0.770
Neck load	10.00	4.534
Balloon	3.31	1.500
Gross Weight	13.30	6.034
Gross Lift Factor	1.30	1.30
Neck Lift	13.99	6.343
H2 fill; scf (approx)	234	
Burst Altitude; kft km	97.3	29.7

¹ www.aprs.fi/kc0d-1 (that is a zero)