

Payload Plan

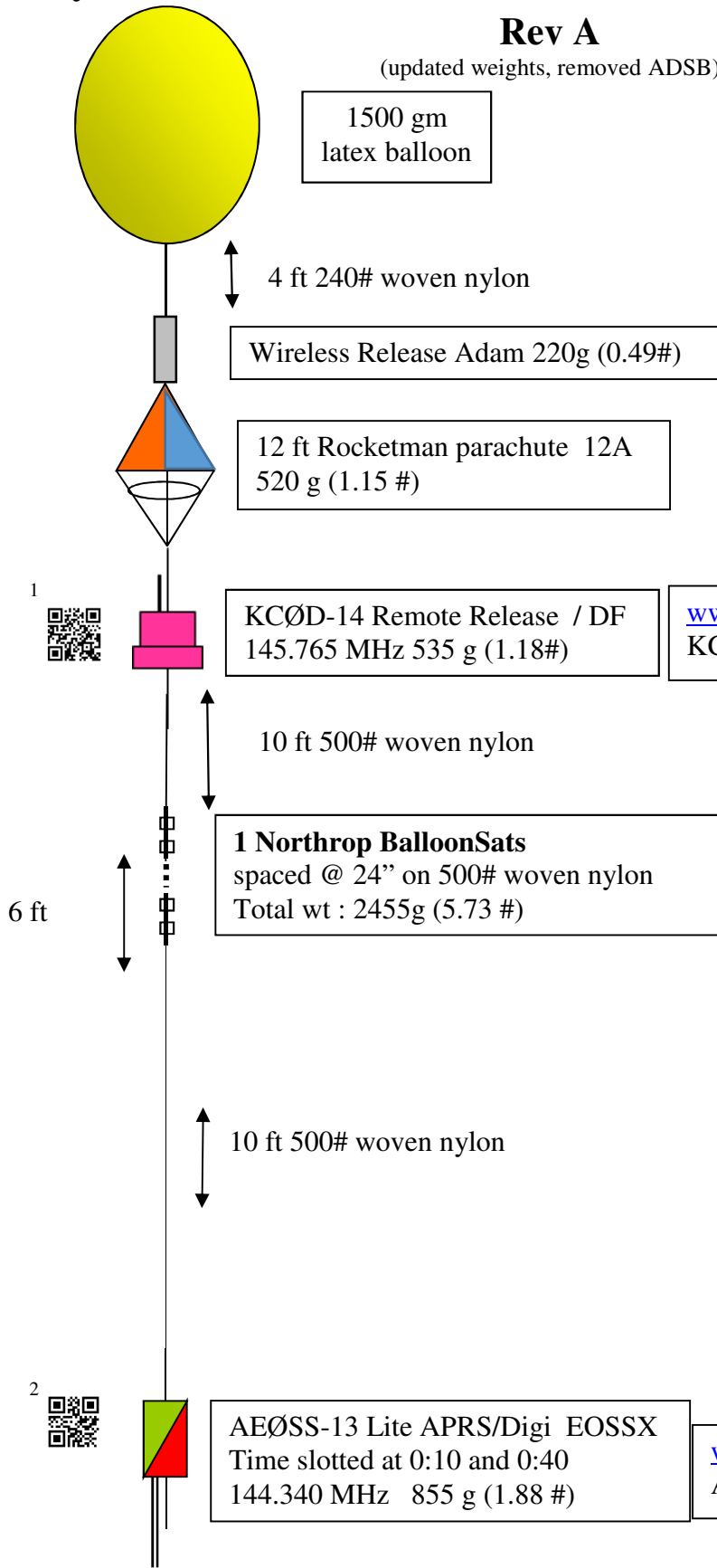
EOSS-318 Lite

0800 MDT, 9 OCT 2021

Rev A

Deer Trail, CO

(updated weights, removed ADSB)



| Item | Weight pounds | Weight kg |
|------------------------|---------------|-----------|
| Student Experiments | 5.41 | 2.455 |
| EOSS Payloads | 2.49 | 1.130 |
| Parachute | 2.85 | 1.291 |
| Neck load | 10.75 | 4.876 |
| Balloon | 3.31 | 1.500 |
| Gross Weight | 14.06 | 6.376 |
| Gross Lift Factor | 1.30 | 1.30 |
| Neck Lift | 14.97 | 6.788 |
| H2 fill; scf (approx) | 247 | |
| Burst Altitude; kft km | 96.1 | 29.3 |

1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.49#)

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

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

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-318

10 ft 500# woven nylon

1 Northrop BalloonSats spaced @ 24" on 500# woven nylon Total wt : 2455g (5.73 #)

6 ft

10 ft 500# woven nylon

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

www.wxqa.com/sss/balon1.cgi
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