

Payload Plan

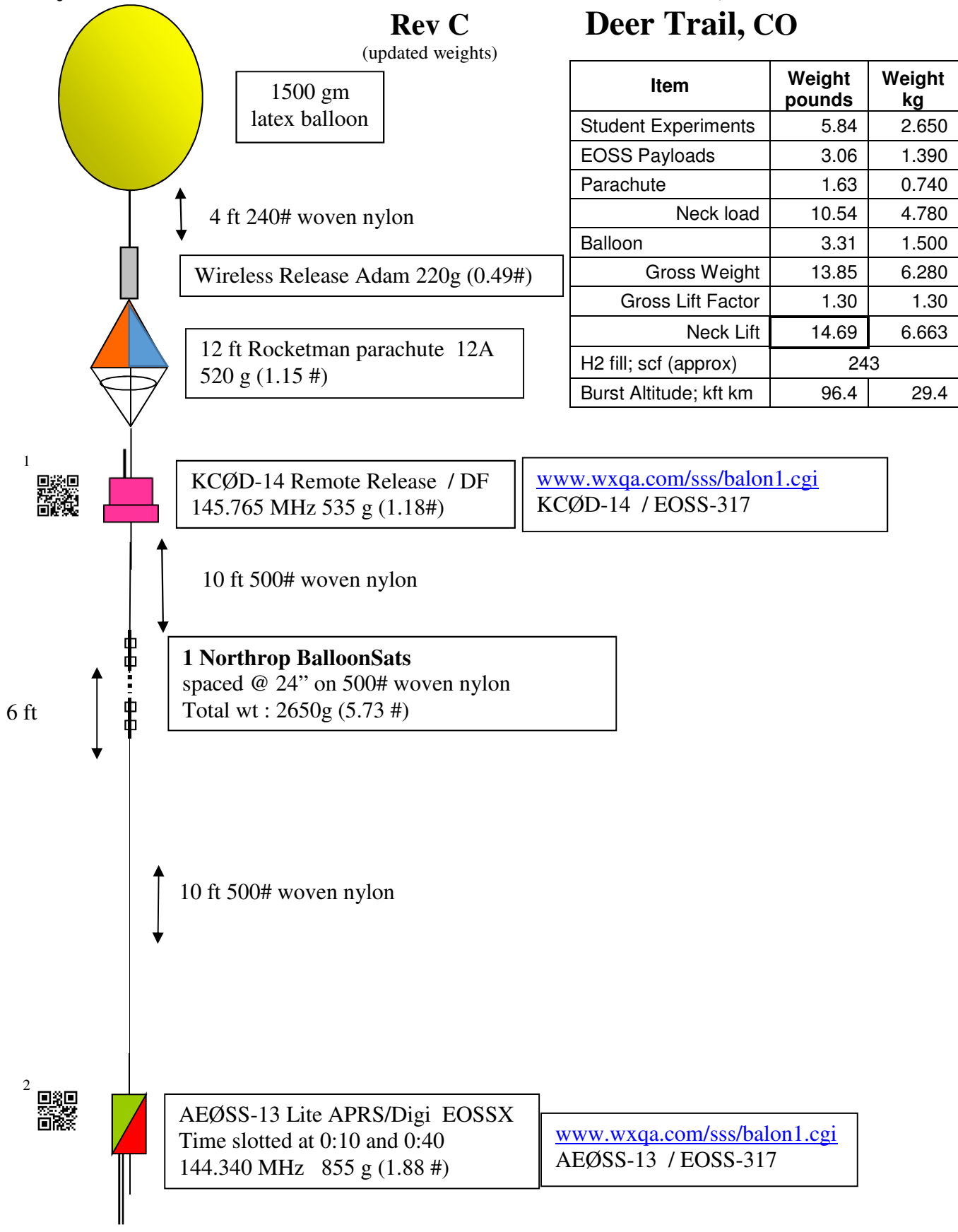
EOSS-317 Lite

0740 MDT, 10 OCT 2021

Rev C

Deer Trail, CO

(updated weights)



| Item | Weight pounds | Weight kg |
|------------------------|---------------|-----------|
| Student Experiments | 5.84 | 2.650 |
| EOSS Payloads | 3.06 | 1.390 |
| Parachute | 1.63 | 0.740 |
| Neck load | 10.54 | 4.780 |
| Balloon | 3.31 | 1.500 |
| Gross Weight | 13.85 | 6.280 |
| Gross Lift Factor | 1.30 | 1.30 |
| Neck Lift | 14.69 | 6.663 |
| H2 fill; scf (approx) | 243 | |
| Burst Altitude; kft km | 96.4 | 29.4 |

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-317

10 ft 500# woven nylon

1 Northrop BalloonSats spaced @ 24" on 500# woven nylon Total wt : 2650g (5.73 #)

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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