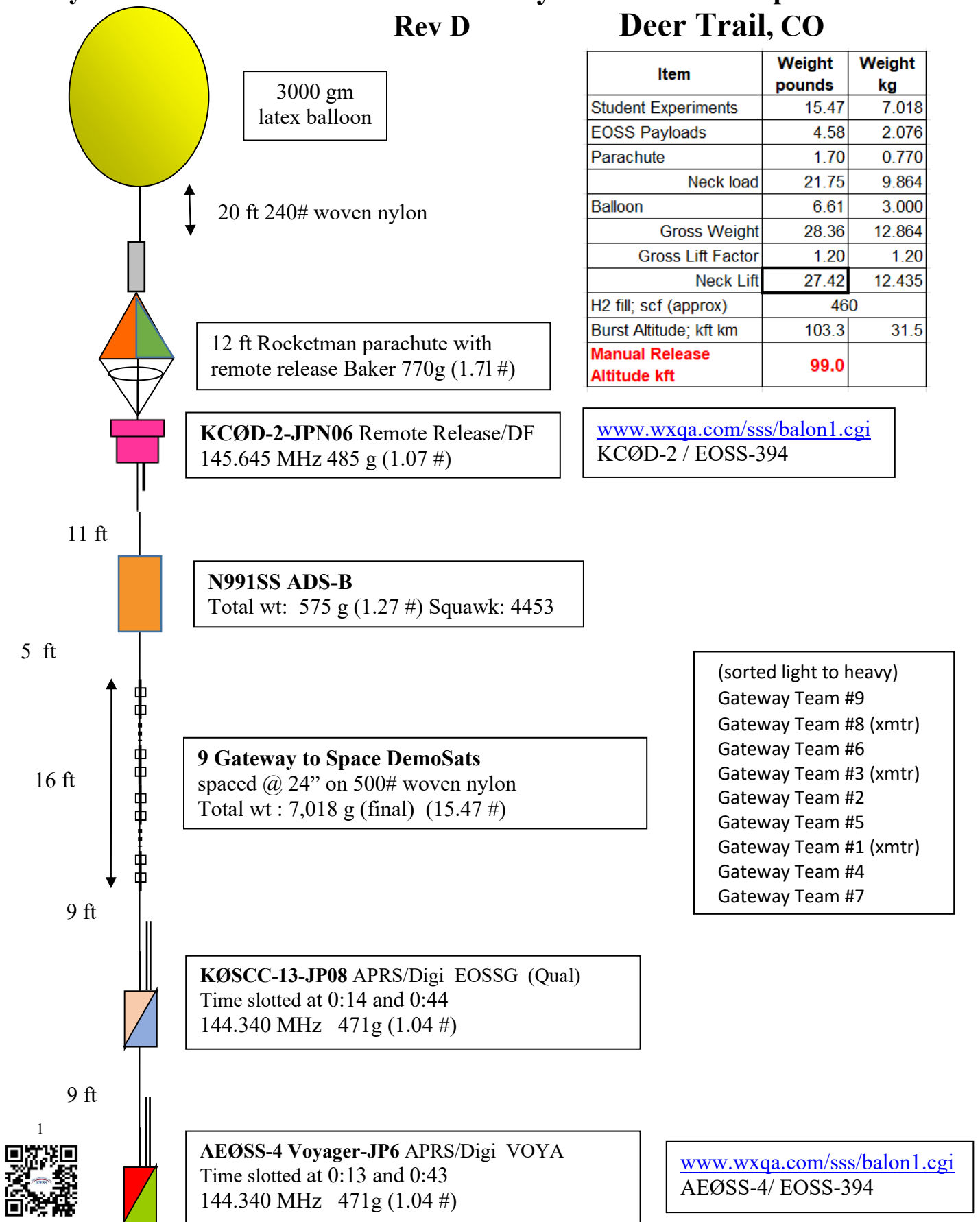


Payload Plan

EOSS-395 Heavy 0720 MDT 12 April 2026

Rev D

Deer Trail, CO



3000 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Baker 770g (1.71 #)

KCØD-2-JPN06 Remote Release/DF
145.645 MHz 485 g (1.07 #)

N991SS ADS-B
Total wt: 575 g (1.27 #) Squawk: 4453

9 Gateway to Space DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 7,018 g (final) (15.47 #)

KØSCC-13-JP08 APRS/Digi EOSSG (Qual)
Time slotted at 0:14 and 0:44
144.340 MHz 471g (1.04 #)

AEØSS-4 Voyager-JP6 APRS/Digi VOYA
Time slotted at 0:13 and 0:43
144.340 MHz 471g (1.04 #)

| Item | Weight pounds | Weight kg |
|------------------------------------|---------------|-----------|
| Student Experiments | 15.47 | 7.018 |
| EOSS Payloads | 4.58 | 2.076 |
| Parachute | 1.70 | 0.770 |
| Neck load | 21.75 | 9.864 |
| Balloon | 6.61 | 3.000 |
| Gross Weight | 28.36 | 12.864 |
| Gross Lift Factor | 1.20 | 1.20 |
| Neck Lift | 27.42 | 12.435 |
| H2 fill; scf (approx) | 460 | |
| Burst Altitude; kft km | 103.3 | 31.5 |
| Manual Release Altitude kft | 99.0 | |

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-394

- (sorted light to heavy)
- Gateway Team #9
 - Gateway Team #8 (xmtr)
 - Gateway Team #6
 - Gateway Team #3 (xmtr)
 - Gateway Team #2
 - Gateway Team #5
 - Gateway Team #1 (xmtr)
 - Gateway Team #4
 - Gateway Team #7

www.wxqa.com/sss/balon1.cgi
AEØSS-4/ EOSS-394