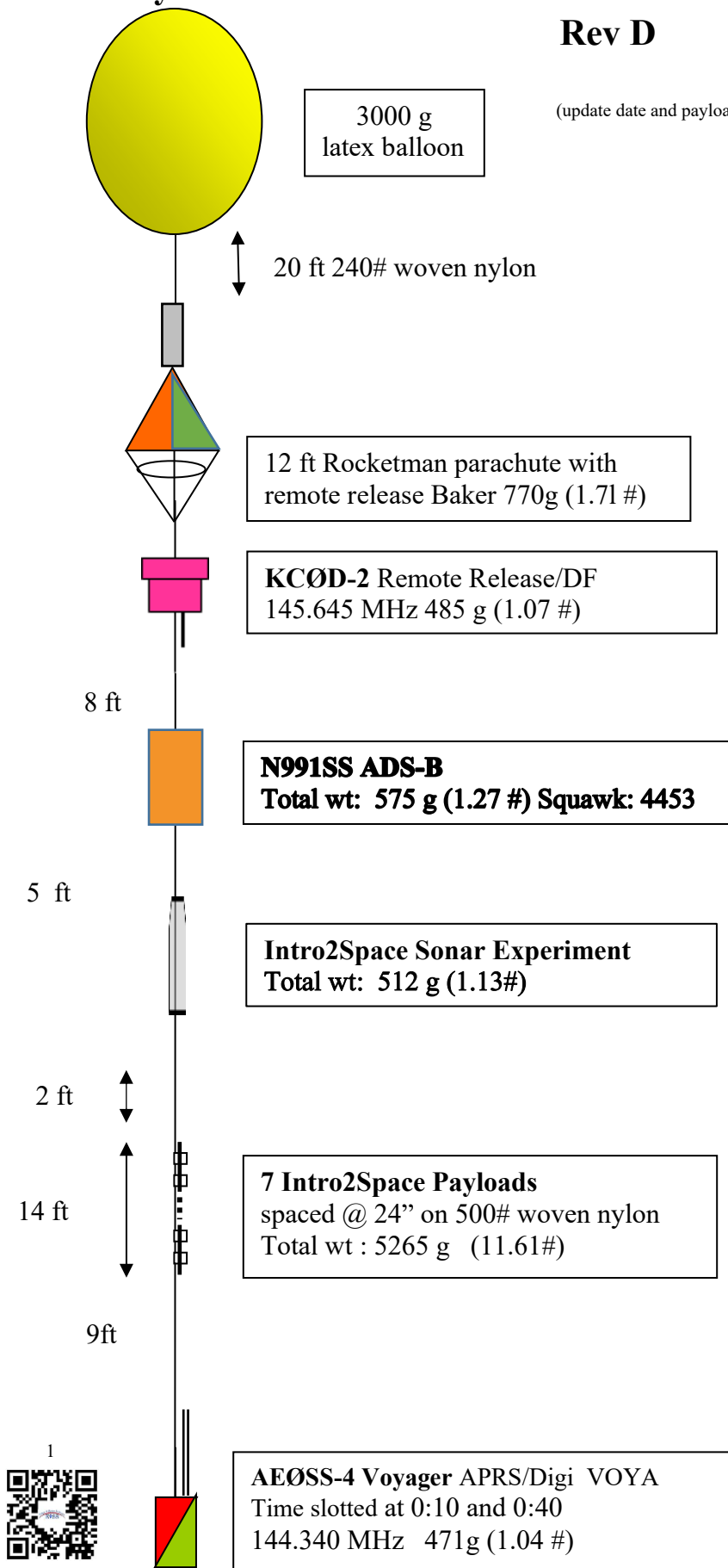


Payload Plan

EOSS-396 Heavy 0700 MDT 19 April 2026

Rev D

Deer Trail, CO



3000 g latex balloon

(update date and payload wts.)

20 ft 240# woven nylon

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

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

8 ft

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

5 ft

Intro2Space Sonar Experiment
Total wt: 512 g (1.13#)

2 ft

7 Intro2Space Payloads
spaced @ 24" on 500# woven nylon
Total wt : 5265 g (11.61#)

14 ft

9ft

AEØSS-4 Voyager APRS/Digi VOYA
Time slotted at 0:10 and 0:40
144.340 MHz 471g (1.04 #)

| Item | Weight pounds | Weight kg |
|------------------------------------|---------------|-----------|
| Student Experiments | 10.48 | 4.755 |
| EOSS Payloads | 3.38 | 1.531 |
| Parachute | 1.70 | 0.770 |
| Neck load | 15.56 | 7.056 |
| Balloon | 6.61 | 3.000 |
| Gross Weight | 22.17 | 10.056 |
| Gross Lift Factor | 1.20 | 1.20 |
| Neck Lift | 19.99 | 9.066 |
| H2 fill; scf (approx) | 359 | |
| Burst Altitude; kft km | 108.5 | 33.1 |
| Manual Release Altitude kft | 106.5 | |

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-396

| Team | Wt.(g) |
|--------------|------------------|
| SPF | 713 |
| Atlas | 669 |
| 3D | 694 |
| Peeps | 667 |
| Baddies | 680 |
| SausageSat | 477 |
| TeamBoxcut | 721 |
| MaterialGirl | 644 |
| Total | = 5265 g. |

www.wxqa.com/sss/balon1.cgi
AEØSS-4/ EOSS-396