

Payload Plan (string 1)

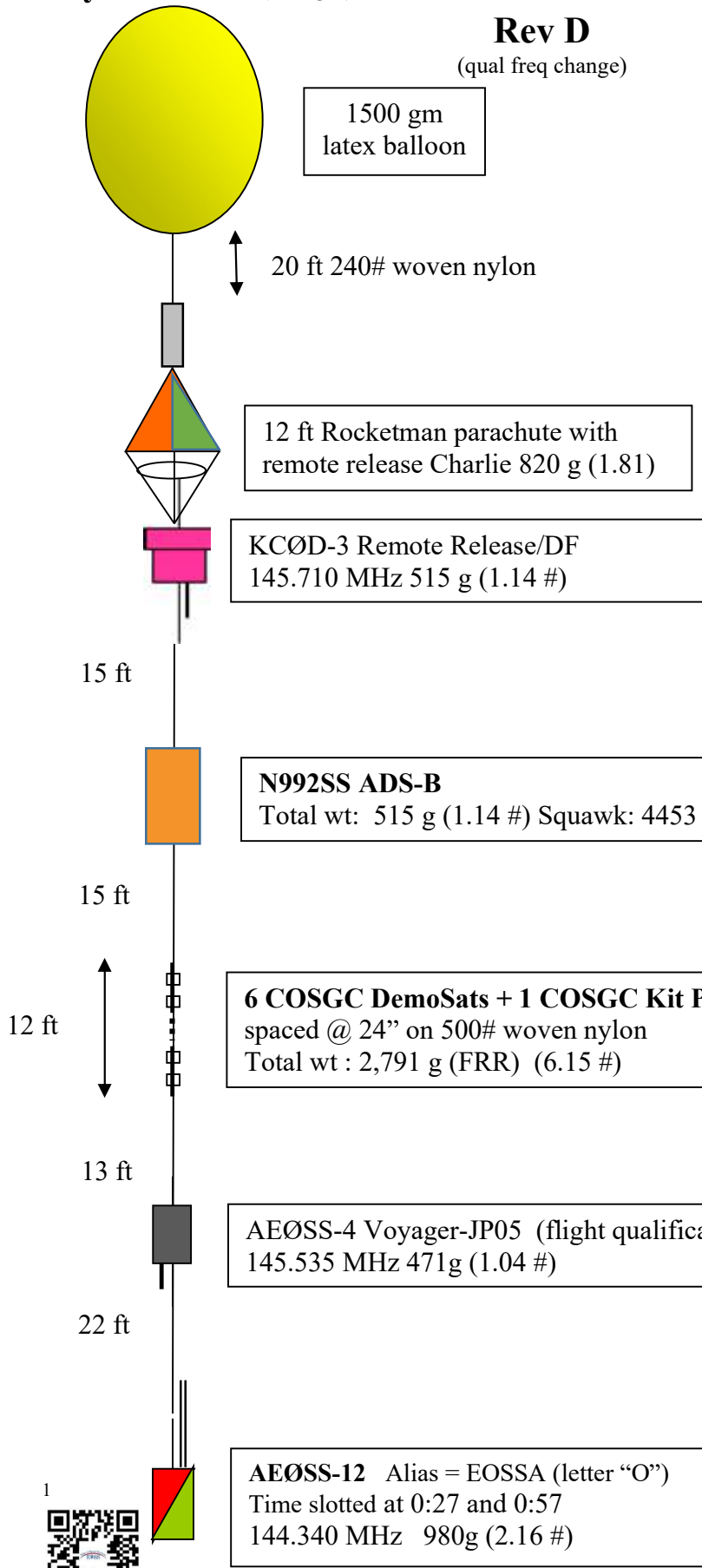
EOSS-370 Lite

0645 MDT 05 Apr 2025

Rev D

Deer Trail, CO

(qual freq change)



1500 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Charlie 820 g (1.81)

KCØD-3 Remote Release/DF
145.710 MHz 515 g (1.14 #)

15 ft

N992SS ADS-B
Total wt: 515 g (1.14 #) Squawk: 4453

15 ft

12 ft

6 COSGC DemoSats + 1 COSGC Kit Payload
spaced @ 24" on 500# woven nylon
Total wt : 2,791 g (FRR) (6.15 #)

13 ft

AEØSS-4 Voyager-JP05 (flight qualification)
145.535 MHz 471g (1.04 #)

22 ft

AEØSS-12 Alias = EOSSA (letter "O")
Time slotted at 0:27 and 0:57
144.340 MHz 980g (2.16 #)

| Item | Weight pounds | Weight kg |
|------------------------------------|---------------|-----------|
| Student Experiments | 6.15 | 2.791 |
| EOSS Payloads | 5.47 | 2.481 |
| Parachute | 1.81 | 0.820 |
| Neck load | 13.43 | 6.092 |
| Balloon | 3.31 | 1.500 |
| Gross Weight | 16.74 | 7.592 |
| Gross Lift Factor | 1.30 | 1.30 |
| Neck Lift | 18.45 | 8.368 |
| H2 fill; scf (approx) | 294 | |
| Burst Altitude; kft km | 92.4 | 28.2 |
| Manual Release Altitude kft | 90.4 | |

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-370

- (sorted lightest to heaviest)
- PPSC-Stormi
 - Space Minor - Prachi kit
 - PPSC-Radiaton Levels (SUNRAD)
 - Western Samantha Cluff
 - PPSC-Exposure One
 - Mines-Sky Diggers
 - Mines-Orepheus (fire)

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AEØSS-12/ EOSS-370

