

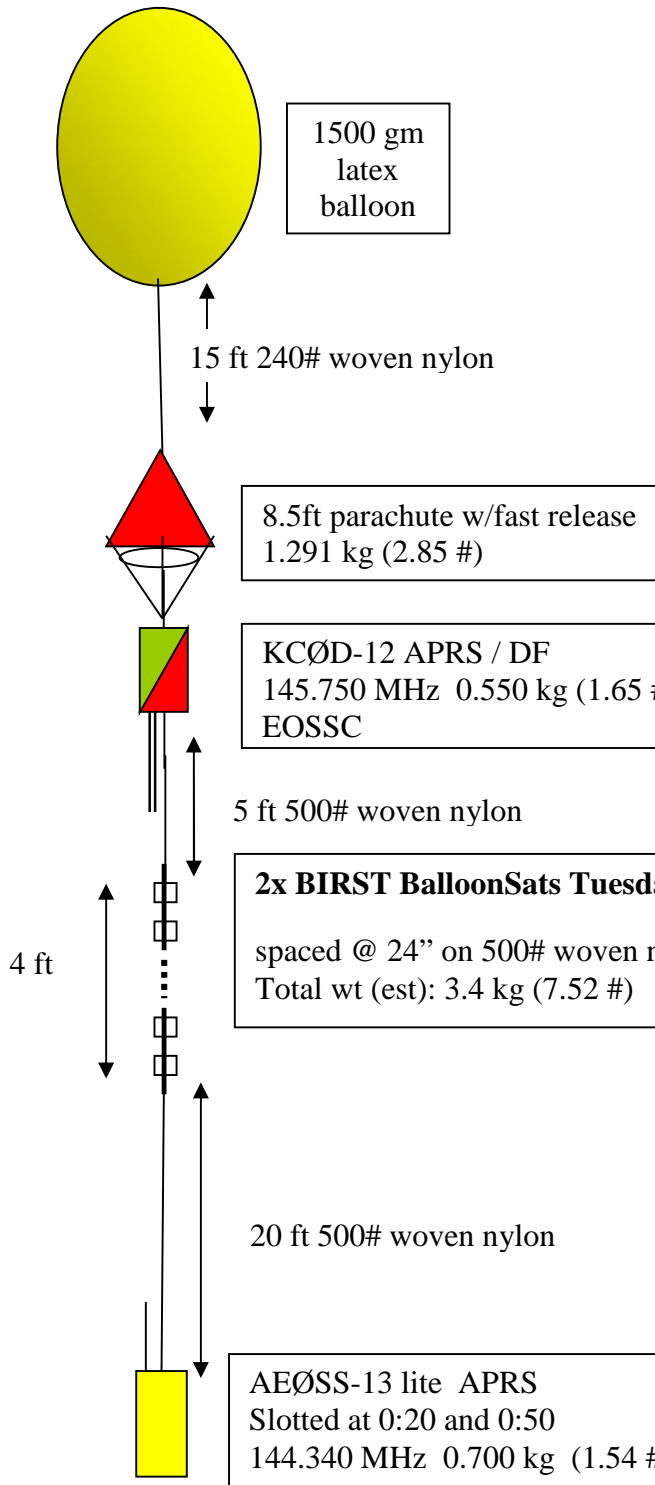
Payload Plan

EOSS-256 lite

0730 MDT, 15 JUL 2017

Rev B: Update AEØSS-13 time slot

Limon, CO



1500 gm latex balloon

15 ft 240# woven nylon

8.5ft parachute w/fast release
1.291 kg (2.85 #)

KCØD-12 APRS / DF
145.750 MHz 0.550 kg (1.65 #) Digi
EOSSC

5 ft 500# woven nylon

2x BIRST BalloonSats Tuesday, Wednesday
spaced @ 24" on 500# woven nylon
Total wt (est): 3.4 kg (7.52 #)

4 ft

20 ft 500# woven nylon

AEØSS-13 lite APRS
Slotted at 0:20 and 0:50
144.340 MHz 0.700 kg (1.54 #)

| Item | Weight pounds | Weight kg |
|------------------------|---------------|-----------|
| Student Payloads | 7.50 | 3.400 |
| EOSS Payloads | 2.76 | 1.25 |
| Parachute | 2.85 | 1.291 |
| Neck load | 13.10 | 5.941 |
| Balloon | 3.31 | 1.500 |
| Gross Weight | 16.40 | 7.441 |
| Gross Lift Factor | 1.25 | 1.25 |
| Neck Lift | 17.20 | 7.800 |
| H2 fill; scf (approx) | 277 | |
| Burst Altitude; kft km | 93.7 | 28.6 |

www.wxqa.com/sss/balon1.cgi
KCØD-12 / EOSS-256

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-256