

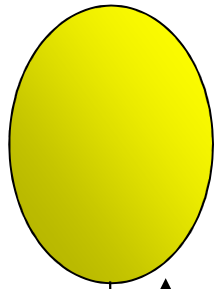
Payload Plan

EOSS-268 Heavy 0704 MDT, 17 Mar 2018

Rev C

Deer Trail, CO

(corrected time and top beacon frequency)



3000 gm
latex
balloon

15 ft 500# woven nylon

Wireless Release #1 275g (0.61#)



10 ft Rocketman parachute 415g (0.91#)

15 ft 500# woven nylon



KCØD-15 APRS / DF / Release
145.600 MHz 480 g (1.06 #)

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-268

5 ft 500# woven nylon

3 NDIA/NSSTI Student Expmt
Spaced @ 24" on 500# woven
nylon w/ half-hitch on bight
separators (est) 3,232 g (7.13 #)

5 COSGC DemoSats
Spaced @ 24" on 500# woven
nylon w/ half-hitch on bight
separators (est) 4,480 g (9.88 #)

14 ft

15 ft 500# woven nylon



AEØSS-13 Lite APRS/Digi EOSS
Slotted at :00 and :30
144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-268

| Item | Weight pounds | Weight kg |
|------------------------|------------------|--------------|
| Student Payloads | 17.00 | 7.712 |
| EOSS Payloads | 3.21 | 1.455 |
| Parachute | 0.91 | 0.415 |
| Neck load | 21.12 | 9.5819 |
| Balloon | 6.61 | 3.000 |
| Gross Weight | 27.74 | 12.5819 |
| Gross Lift Factor | 1.15 | 1.15 |
| Neck Lift | 25.29 | 11.467 |
| H2 fill; scf (approx) | 431 | |
| Burst Altitude; kft km | 104.7 | 31.9 |

¹ <http://aprs.fi/kc0d-15> (that is a zero)
<http://aprs.fi/ae0ss-13> (that is a zero)