3000 gm latex balloon

15 ft 500# woven nylon

|  |  |  |
| --- | --- | --- |
| **Item** | **Weight pounds** | **Weight kg** |
| Student Payloads | 19.84 | 9.000 |
| EOSS Payloads | 3.17 | 1.437 |
| Parachute | 2.85 | 1.291 |
| Neck load | 25.86 | 11.728 |
| Balloon | 6.61 | 3.000 |
| Gross Weight | 32.47 | 14.728 |
| Gross Lift Factor | 1.15 | 1.15 |
| Neck Lift | 30.73 | 13.935 |
| H2 fill; scf (approx) | 505 |
| Burst Altitude; kft km | 101.4 | 30.9 |

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

AE0SS CW/cutdown

147.555 MHz 0.400 kg (0.88#)

KØSCC-9 APRS

144.360 MHz 0.35W 0.300 kg (0.66#) Slotted at 0:10 and 0:40

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)

KØSCC-9 / EOSS-242

5 ft 500# woven nylon

**6 x Colorado Space Grant Consortium DemoSats**

Total wt (est): 5.7 kg (12.6 #)

2 ft

**Colorado Space Grant Eclipse Common payload**

Total wt (estimated): 2.5 kg (5.51 #)

20 ft 500# woven nylon

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)

KEØBMU-11 / EOSS-242

KEØBMU-11 APRS

Slotted 0:10 and 0:40

144.340 MHz 0.3W 0.737 kg (1.62#)

8.5 ft parachute 1291 gm

w/ fast release 2.8#