

Payload Plan

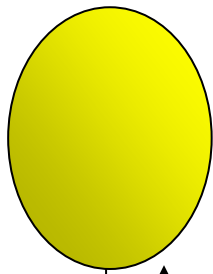
EOSS-297 Lite

0830 MDT, 15 Mar 2020

Rev C

Windsor, CO

(actual payload masses, parachute change, date change)



1500 gm
latex balloon

4 ft 240# woven nylon

Wireless Release Baker 261g (0.58 #)



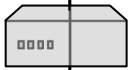
10 ft Rocketman parachute
345 g (0.76 #)



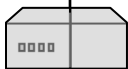
KCØD-2 Remote Release / DF
144.905 MHz 520 g (1.15 #)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-297

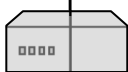
10 ft 500# woven nylon



NDIA Student Payload (1 of 3)
941 g (actual) (2.075 #)



NDIA Student Payload (2 of 3)
1034 g (actual) (2.28 #)



NDIA Student Payload (3 of 3)
1098 g (actual) (2.42 #)

6 ft

10 ft 500# woven nylon



KØSCC-14 APRS/Digi EOSS
Time slotted at 0:10 and 0:40
144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
KØSCC-14 / EOSS-297

| Item | Weight pounds | Weight kg |
|------------------------|---------------|-----------|
| Student Payloads | 6.78 | 3.073 |
| EOSS Payloads | 2.56 | 1.16 |
| Parachute | 1.48 | 0.671 |
| Neck load | 10.81 | 4.904 |
| Balloon | 3.31 | 1.500 |
| Gross Weight | 14.12 | 6.404 |
| Gross Lift Factor | 1.25 | 1.25 |
| Neck Lift | 14.34 | 6.504 |
| H2 fill; scf (approx) | 238 | |
| Burst Altitude; kft km | 96.9 | 29.5 |