

Payload Plan

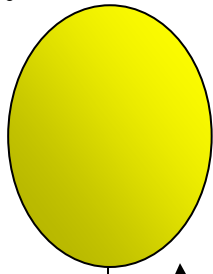
EOSS-317 Lite

0730 MDT, 30 Oct 2021

Rev C

Windsor, CO

(change TOP, final payload mass, rearrange payloads)



1500 gm latex balloon

4 ft 250# woven nylon



12 ft Rocketman parachute with Baker 770 g (1.70 #)

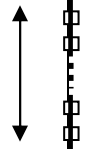


KCØD-14 Remote Release / DF
144.905 MHz 535 g (1.18 #)

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-317

10 ft 500# woven nylon

6 ft



4 MSU Intro2Space BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 3,655 g (final) (8.06 #)

- D-Wheel
- Seeds to Space
- Space2 O
- Team-D

10 ft 500# woven nylon



AEØSS-12 Lite APRS/Digi EOSSA
Time slotted at 0:27 and 0:57
144.340 MHz 930 g (2.05 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-317

Item	Weight pounds	Weight kg
Student Experiments	8.06	3.655
EOSS Payloads	3.23	1.465
Parachute	1.70	0.770
Neck load	12.99	5.890
Balloon	3.31	1.500
Gross Weight	16.29	7.390
Gross Lift Factor	1.30	1.30
Neck Lift	17.87	8.106
H2 fill; scf (approx)	286	
Burst Altitude; kft km	93.0	28.3

¹ www.aprs.fi/kc0d-14 (that is a zero)
² www.aprs.fi/ae0ss-12 (that is a zero)
³ <https://track.eoss.org>