

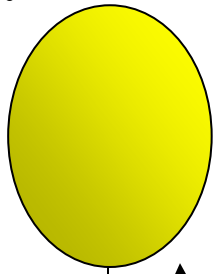
# Payload Plan

# EOSS-332 Lite

0750 MDT, 5 NOV 2022

Rev C  
(no change)

Deer Trail, CO



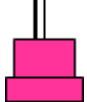
1500 gm latex balloon

4 ft 240# woven nylon



12 ft Rocketman parachute with wireless release Adam 740 g (1.63 #)

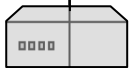
1



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

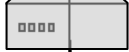
[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-332

10 ft

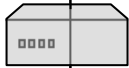


**Colorado School of Mines Demosat** (24" centers)  
Total wt : 450 g (FRR) (0.99 #)

4 ft



**Pueblo Community Collage Demosat** (24" centers)  
Total wt : 500 g (FRR) (1.10 #)



**Metro State University Denver Demosat** (24" centers)  
Total wt : 1,000 g (final) (2.20 #)

10 ft

**4 COSGC Kit Payloads**  
spaced 24" centers on 500# woven nylon  
Total wt : 880 g (plan) (1.94 #)

6 ft

10 ft

2,3



AEØSS-13 Lite APRS/Digi EOSSX  
Time slotted at 0:10 and 0:40  
144.340 MHz 918 g (2.02 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-13 / EOSS-332

Item	Weight pounds	Weight kg
Student Experiments	6.24	2.830
EOSS Payloads	3.20	1.453
Parachute	1.63	0.740
Neck load	11.07	5.023
Balloon	3.31	1.500
Gross Weight	14.38	6.523
Gross Lift Factor	1.30	1.30
Neck Lift	15.39	6.979
H2 fill; scf (approx)	253	
Burst Altitude; kft km	95.6	29.2

EOSS	School/Team	final g	lb
322L	Francis	220	0.49
322L	Bret	220	0.49
322L	Adam	220	0.49
322L	Linda	220	0.49
322L	CSM	450	0.99
322L	PCC	500	1.10
322L	MSUD	1000	2.20
322L	Total	2830	6.24
322L	Payload Weight Available 4000g	1170	2.58

<sup>1</sup> [www.aprs.fi/kc0d-14](http://www.aprs.fi/kc0d-14) (that is a zero)

<sup>2</sup> <http://www.aprs.fi/ae0ss-13> (that is a zero)

<sup>3</sup> <https://track.eoss.org>