

# Payload Plan

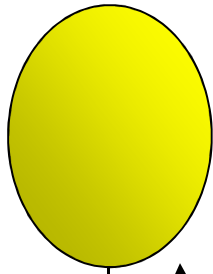
# EOSS-287 Lite

0730 MDT, 6 April 2019

## Rev B

Eaton, CO

(Changed from 288 to 287 due to deletion of 4<sup>th</sup> balloon)



1500 gm  
latex balloon

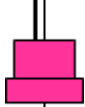
4 ft 240# woven nylon

Wireless Release Adam 261g (0.57 #)



12 ft Rocketman parachute 12B  
520 g (1.15 #)

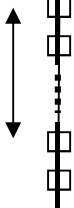
1



KCØD-1 Remote Release / DF  
145.645 MHz 520g

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-1 / EOSS-287

8 ft



4 COSGC Student Payloads  
3694 g (8.14 #)

10 ft 500# woven nylon



AEØSS-13APRS  
Time slotted at 0:25 and 0:55  
144.340 MHz 700 g (0.63 #)1

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-13 / EOSS-287

Item	Weight pounds	Weight kg
Student Payloads	8.14	3.694
EOSS Payloads	3.71	1.685
Parachute	1.15	0.520
Neck load	13.01	5.899
Balloon	3.31	1.500
Gross Weight	16.31	7.399
Gross Lift Factor	1.25	1.250
Neck Lift	17.08	7.747
H2 fill; scf (approx)	275	
Burst Altitude; kft km	93.8	28.6

2