

# Payload Plan

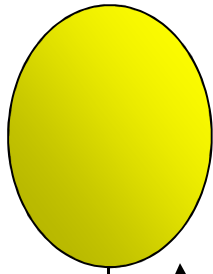
# EOSS-284 Lite

00710 MDT, 24 Mar 2019

## Rev D

Deer Trail, CO

(Updated launch date)



1500 gm  
latex balloon

4 ft 240# woven nylon

Wireless Release Adam 261g (0.57 #)

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



KCØD-1 Remote Release / DF  
145.535 MHz 520g

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-1 / EOSS-284

3x NDIA Student Payloads  
3255 g (7.17 #)

KCØRPS Geiger Counter  
375 g (actual) (0.83 #)

Wireless Release Baker 261g (0.57 #)  
Tethered under qual

KCØD-2 Firmware Qualification  
145.710 MHz 460 g (1.15 #)

10 ft 500# woven nylon

AEØSS-7 APRS  
Time slotted at 0:00 and 0:30  
144.340 MHz 285 g (0.63 #)1

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-7 / EOSS-284

Item	Weight pounds	Weight kg
Student Payloads	9.01	4.087
EOSS Payloads	2.80	1.270
Parachute	1.15	0.520
Neck load	12.96	5.877
Balloon	3.31	1.500
Gross Weight	16.26	7.377
Gross Lift Factor	1.25	1.250
Neck Lift	17.02	7.720
H2 fill; scf (approx)	275	
Burst Altitude; kft km	93.9	28.6

1

2