

# Payload Plan

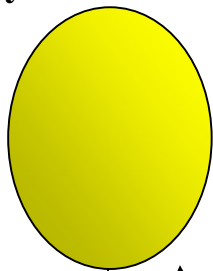
## EOSS-352 Lite

0715 MST, 02 DEC 2023

### Rev C

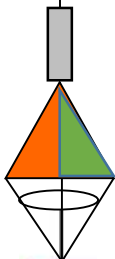
### Deer Trail, CO

(final mass, remove ADS-B, add one payload)



1500 gm latex balloon

20 ft 240# woven nylon



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



KCØD-1-JPN03 Remote Release/DF  
145.645 MHz 530 g (1.17 #)

11 ft



18 ft

**1 GHS BalloonSat**  
spaced @ 24" on 500# woven nylon  
Total wt : 484 g (final) (1.07 #)

GHS Payload 4

**9 WHS BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 3,660 g (final) (8.07 #)

Payload Order (top to bottom):  
4, 2, 5, 3, 1, 6, 7, 9, 8

11 ft



KCØD-3 Lite APRS/Digi EOSS  
Time slotted at 0:10 and 0:40  
144.340 MHz 465 g (1.03 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-3 / EOSS-352

Item	Weight pounds	Weight kg
Student Experiments	9.14	4.144
EOSS Payloads	2.19	0.995
Parachute	1.70	0.770
Neck load	13.03	5.909
Balloon	3.31	1.500
Gross Weight	16.33	7.409
Gross Lift Factor	1.30	1.30
Neck Lift	17.93	8.130
H2 fill; scf (approx)	287	
Burst Altitude; kft km	92.9	28.3
<b>Manual Release Altitude kft</b>	<b>91.9</b>	

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