

# Payload Plan

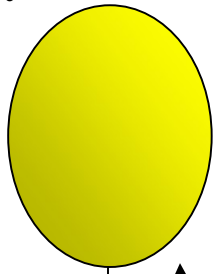
# EOSS-364 Lite

0700 MST 04 May 2024

## Rev A

## Deer Trail, CO

(Initial Plan – COSGC 10/11/24 Manifest)



1500 gm latex balloon

20 ft 240# woven nylon



12 ft Rocketman parachute with remote release Charlie 820 g (1.81)



KCØD-3 Remote Release/DF  
145.710 MHz 515 g (1.14 #)

15 ft



**N992SS ADS-B**  
Total wt: 515 g (1.14 #) Squawk: 4453

8 ft

4 ft

2 ft

4 ft

13 ft



AEOSS-4 Voyager Alias = VOYA (letter "O")  
Time slotted at 0:21 and 0:51  
144.340 MHz 471g (1.04 #)



Item	Weight pounds	Weight kg
Student Experiments	6.64	3.010
EOSS Payloads	3.31	1.501
Parachute	1.81	0.820
Neck load	11.75	5.331
Balloon	3.31	1.500
Gross Weight	15.06	6.831
Gross Lift Factor	1.30	1.30
Neck Lift	16.27	7.379
H2 fill; scf (approx)	265	
Burst Altitude; kft km	94.7	28.9
<b>Manual Release Altitude kft</b>	<b>92.7</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-3 / EOSS-364

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEOSS-4/ EOSS-364