

# Payload Plan

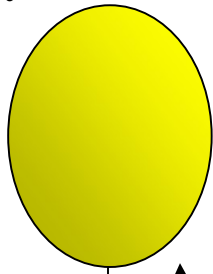
# EOSS-364 Heavy

0700 MST 09 Nov 2024

## Rev A

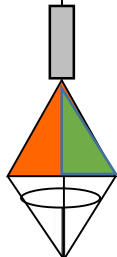
Deer Trail, CO

(initial plan - 10/11/24 COSGC Manifest)



3000 gm  
latex balloon

20 ft 240# woven nylon



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



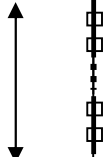
KCØD-3 Remote Release/DF  
145.710 MHz 515 g (1.14 #)

15 ft



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

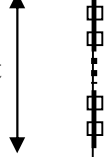
8 ft



**6 COSGC DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 4,970 g (plan) (10.96 #)

10 ft

2 ft



**8 COSGC Kit Payloads**  
spaced @ 24" on 500# woven nylon  
Total wt : 1,760 g (plan) (3.88 #)

14 ft

13 ft



AEØSS-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	14.84	6.730
EOSS Payloads	3.31	1.501
Parachute	1.81	0.820
Neck load	19.95	9.051
Balloon	6.61	3.000
Gross Weight	26.57	12.051
Gross Lift Factor	1.20	1.20
Neck Lift	25.27	11.459
H2 fill; scf (approx)	431	
Burst Altitude; kft km	104.8	31.9
<b>Manual Release Altitude kft</b>	<b>102.8</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)  
AEØSS-4/ EOSS-364

