

**Payload Plan** (string 1)

**EOSS-363 Lite**

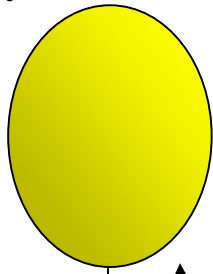
**0700 MST 10 Nov 2024**

**Rev B**

**Deer Trail, CO**

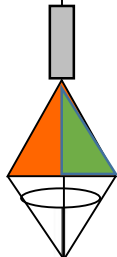
(rearrange student payloads & updated weights)

Item	Weight pounds	Weight kg
Student Experiments	5.64	2.560
EOSS Payloads	3.31	1.501
Parachute	1.81	0.820
Neck load	10.76	4.881
Balloon	3.31	1.500
Gross Weight	14.07	6.381
Gross Lift Factor	1.30	1.30
Neck Lift	14.98	6.794
H2 fill; scf (approx)	247	
Burst Altitude; kft km	96.1	29.3
<b>Manual Release Altitude kft</b>	<b>94.1</b>	



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 #)

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

15 ft



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

8 ft

4 ft



**3 COSGC DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 2,560 g (FRR) (5.64 #)

Mines 1 SkyPrint  
Mines 2 High Tension  
CSU Thomas

n=3

13 ft



AEOSS-4 Voyager Alias = VOYA (letter "O")  
Time slotted at 0:13 and 0:43  
144.340 MHz 471g (1.04 #)

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

