

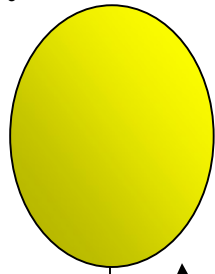
**Payload Plan** (string 4)

**EOSS-372 Lite**

**0725 MDT 05 Apr 2025**

**Rev A**  
(planning)

**Deer Trail, CO**



1500 gm latex balloon

20 ft 240# woven nylon



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



KCØD-2 JP02 DF/APRS  
145.765 MHz 471 g (1.04 #)

13 ft



**N991SS ADS-B**  
Total wt: 575 g (1.27 #) Squawk: 4453

8 ft

**2 COSGC Demosats**  
Spaced @ 24" on 500# woven nylon  
Total wt : 1,600 g (plan) (3.53 #)

Western Samantha Cluff  
**UCCS (overweight)**

16 ft

**14 COSGC Kit Payloads**  
spaced @ 12" on 500# woven nylon  
Total wt : 3,080 g (plan) (6.79 #)

Regis-1 kit  
Regis-2 kit  
Regis-3 kit  
Space Minor-Prachi kit  
PPSC kits (10)

13 ft



AEOSS-2 Discovery JP02 ADSB/Digi  
Alias = "DISC"  
Time slotted at 0:08 and 0:38  
144.340 MHz 471g (1.04 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEOSS-2/ EOSS-372

Item	Weight pounds	Weight kg
Student Experiments	10.32	4.680
EOSS Payloads	3.38	1.531
Parachute	1.70	0.770
Neck load	15.39	6.981
Balloon	3.31	1.500
Gross Weight	18.70	8.481
Gross Lift Factor	1.30	1.30
Neck Lift	21.00	9.524
H2 fill; scf (approx)	328	
Burst Altitude; kft km	90.1	27.5
<b>Manual Release Altitude kft</b>	<b>88.1</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-2 / EOSS-372