

Payload Plan

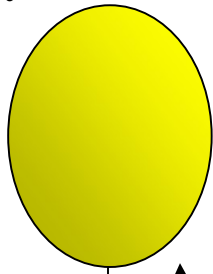
EOSS-366 Lite

0800 MST 09 Nov, 2024

Rev A

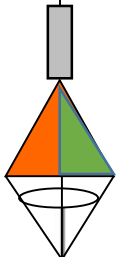
Deer Trail, CO

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



1500 gm
latex balloon

20 ft 240# woven nylon



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



KCØD-2 Remote Release/DF
145.535 MHz 485 g (1.07 #)

8 ft



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

10 ft

4 ft

3 COSGC DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 2,400 g (plan) (5.29 #)

2 ft

10 ft

6 COSGC Kit Payloads
spaced @ 24" on 500# woven nylon
Total wt : 1,320 g (plan) (2.91 #)

13 ft



AEØSS-2 Discovery-JP02 Alias = "DISC"
Time slotted at 0:11 and 0:41
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	2.91	1.320
EOSS Payloads	3.38	1.531
Parachute	1.70	0.770
Neck load	7.98	3.621
Balloon	3.31	1.500
Gross Weight	11.29	5.121
Gross Lift Factor	1.30	1.30
Neck Lift	11.37	5.156
H2 fill, scf (approx)	198	
Burst Altitude; kft km	100.8	30.7
Manual Release Altitude kft	98.8	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-366

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AEØSS-2/ EOSS-366