

Payload Plan (string 2)

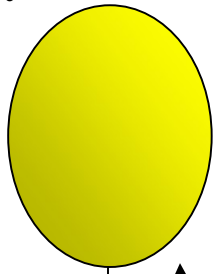
EOSS-364 Lite

0730 MST 10 Nov 2024

Rev B

Deer Trail, CO

(rearrange student payloads & update weights)



1500 gm latex balloon

20 ft 240# woven nylon



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



KCØD-1-JPN03 Remote Release/DF 144.905 MHz 530g (1.17 #)

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-365

Item	Weight pounds	Weight kg
Student Experiments	6.40	2.904
EOSS Payloads	3.85	1.747
Parachute	1.70	0.770
Neck load	11.95	5.421
Balloon	3.31	1.500
Gross Weight	15.26	6.921
Gross Lift Factor	1.30	1.30
Neck Lift	16.53	7.496
H2 fill; scf (approx)	268	
Burst Altitude; kft km	94.4	28.8
Manual Release Altitude kft	92.4	

11 ft

2 COSGC DemoSat Payloads
spaced @ 24" on 500# woven nylon
Total wt : 988g (FRR) (2.18#)

ACC 180 Cam
PCC UFO (188g)

2 ft

2 ft

9 COSGC Kit Payloads
spaced @ 24" on 500# woven nylon
Total wt : 1,916g (FRR) (4.22#)

CSU Pueblo kit Matthew
Space Minor 8 kits
n=11 total payloads

16 ft

13 ft

AEØSS-3 Enterprise-JP01 Alias = "AEØSS-0"
144.340 MHz Time slotted at 0:20 and 0:50
471g (1.04#)

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-365

