

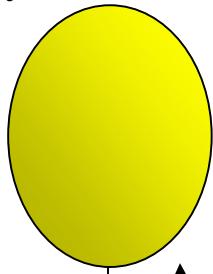
Payload Plan (string 1) EOSS-363 Heavy

0700 MST 10 Nov 2024

Rev B

Deer Trail, CO

(rearrange student payloads & updated weights)



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



5 COSGC DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 3,548 g (FRR) (7.82 #)

8 ft

13 ft



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

Item	Weight pounds	Weight kg
Student Experiments	7.82	3.548
EOSS Payloads	3.31	1.501
Parachute	1.81	0.820
Neck load	12.94	5.869
Balloon	6.61	3.000
Gross Weight	19.55	8.869
Gross Lift Factor	1.20	1.20
Neck Lift	16.85	7.641
H2 fill; scf (approx)	317	
Burst Altitude; kft km	111.1	33.9
Manual Release Altitude kft	109.1	

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-364

Mines 1 SkyPrint
Mines 2 High Tension
CSU Thomas
ACC 180 Cam
PCC UFO (188g)

N=5

www.wxqa.com/sss/balon1.cgi
AEØSS-4/ EOSS-364

