

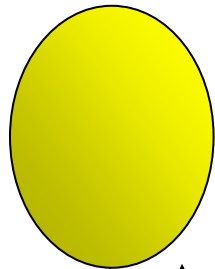
Payload Plan

EOSS-356 Heavy 0720 MDT, 20 APR 2024

Rev F

Deer Trail, CO

(final student payload weights)



3000 gm latex balloon

20 ft 240# woven nylon



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



KCØD-2-JPN06 Remote Release/DF
145.535 MHz 457 g (1.01 #)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-356

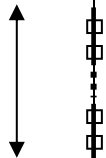
8 ft



N991SS ADS-B
Total wt: 515 g (1.14 #) Squawk: 4453

10 ft

16 ft



9 Gateway BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 6,816 g (weighed) (15.03 #)

Flight String Order
Team 2
Team 9
Team 5
Team 8
Team 7
Team 1
Team 3
Team 4
Team 6

13 ft



AEØSS-2 Discovery-JP02 APRS/Digi DISC
Time slotted at 0:11 and 0:41
144.340 MHz 471 g (1.04 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-2 / EOSS-356

Item	Weight pounds	Weight kg
Student Experiments	15.03	6.816
EOSS Payloads	2.05	0.928
Parachute	1.70	0.770
Neck load	18.77	8.514
Balloon	6.61	3.000
Gross Weight	25.38	11.514
Gross Lift Factor	1.20	1.20
Neck Lift	23.85	10.815
H2 fill; scf (approx)	412	
Burst Altitude; kft km	105.7	32.2
Manual Release Altitude kft	103.7	

