

Payload Plan

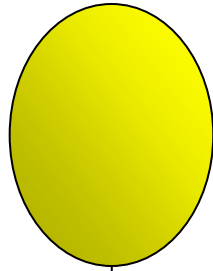
EOSS-356 Lite

0720 MDT, 20 APR 2024

Rev F

Deer Trail, CO

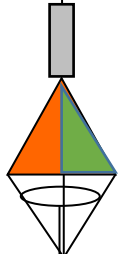
(final student payload weights)



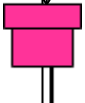
1500 gm latex balloon



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 #)

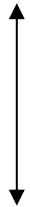
www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-356

8 ft



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

10 ft



5 Gateway BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 4,000 g (weighed) (8.82 #)

Flight String Order
Team 7
Team 1
Team 3
Team 4
Team 6

9 ft

11 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
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Item	Weight pounds	Weight kg
Student Experiments	8.82	4.000
EOSS Payloads	3.18	1.443
Parachute	1.70	0.770
Neck load	13.70	6.213
Balloon	3.31	1.500
Gross Weight	17.00	7.713
Gross Lift Factor	1.30	1.30
Neck Lift	18.80	8.525
H2 fill; scf (approx)	299	
Burst Altitude; kft km	92.1	28.1
Manual Release Altitude kft	90.1	