

Payload Plan

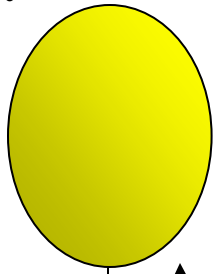
EOSS-389 Lite

Rev C

(updated mass)

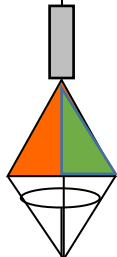
0720 MST 06 Dec 2025

Deer Trail, CO



1500 gm latex balloon

20 ft 240# woven nylon



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



KCØD-14-JPN01 Remote Release/DF
145.535 MHz 525g (1.16 #)

13 ft

18 ft

13 ft

10 Ranum DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 4,419 g (final) (9.74#)

- (sorted lightest to heaviest)
- Ranum #6
 - Ranum #3
 - Ranum #5
 - Ranum #10
 - Ranum #2
 - Ranum #4
 - Ranum #7
 - Ranum #8
 - Camera & Mascot
 - Ranum #9



AEØSS-3 Enterprise-JP01 APRS/Digi AEØSS
Time slotted at 0:20 and 0:50
144.340 MHz 471g (1.04#)

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-389

Item	Weight pounds	Weight kg
Student Experiments	9.74	4.419
EOSS Payloads	2.20	0.996
Parachute	1.70	0.770
Neck load	13.64	6.185
Balloon	3.31	1.500
Gross Weight	16.94	7.685
Gross Lift Factor	1.30	1.30
Neck Lift	18.72	8.489
H2 fill; scf (approx)	298	
Burst Altitude; kft km	92.2	28.1
Manual Release Altitude kft	90.2	

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