

# Payload Plan

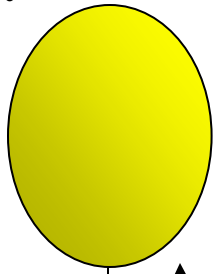
# EOSS-390 Lite

## Rev C

(updated mass)

0750 MST 06 Dec 2025

Deer Trail, CO



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**  
145.710 MHz 485g (1.07 #)

11 ft



**N992SS ADS-B**  
Total wt: 515 g (1.14 #) Squawk: 4453

5 ft

2 ft

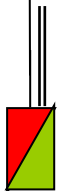
**1 Ranum DemoSat**  
spaced @ 24" on 500# woven nylon  
Total wt : 280 g (final) (0.62#)

2 ft

12 ft

**7 Golden DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 3,034 g (final) (6.69#)

13 ft



**AEØSS-4 Voyager-JP05 APRS/Digi VOYA**  
Time slotted at 0:13 and 0:43  
144.340 MHz 471g (1.04#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-4 / EOSS-390

Item	Weight pounds	Weight kg
Student Experiments	7.31	3.314
EOSS Payloads	3.24	1.471
Parachute	1.70	0.770
Neck load	12.25	5.555
Balloon	3.31	1.500
Gross Weight	15.55	7.055
Gross Lift Factor	1.30	1.30
Neck Lift	16.91	7.670
H2 fill; scf (approx)	273	
Burst Altitude; kft km	94.0	28.6
<b>Manual Release Altitude kft</b>	<b>92.0</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-2 / EOSS-390

(sorted lightest to heaviest)

- GHS UN
- GHS COA
- Ranum #1
- GHS Pickles & Co
- GHS Happy People
- GHS Near Space Nibblers
- GHS Ares
- GHS MouseRat