

# Payload Plan

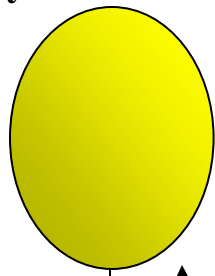
# EOSS-389 Heavy

0720 MST 06 Dec 2025

## Rev C

(updated mass)

Deer Trail, CO



3000 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 #)

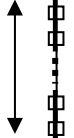
11 ft



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

5 ft

6 ft



**4 Evergreen DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 1,760 g (final) (3.88#)

12 ft



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

13 ft



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



Item	Weight pounds	Weight kg
Student Experiments	10.57	4.794
EOSS Payloads	3.33	1.511
Parachute	1.70	0.770
Neck load	15.60	7.075
Balloon	6.61	3.000
Gross Weight	22.21	10.075
Gross Lift Factor	1.20	1.20
Neck Lift	20.04	9.088
H2 fill; scf (approx)	360	
Burst Altitude; kft km	108.5	33.1
<b>Manual Release Altitude kft</b>	<b>106.5</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-389

- (sorted lightest to heaviest)
- GHS UN
  - GHS COA
  - GHS Pickles & Co
  - EHS Women in STEM
  - EHS Ardwe gonna collet sum data?
  - GHS Happy People
  - EHS Lumberloon Launchers
  - EHS Labubus
  - GHS Near Space Nibblers
  - GHS Ares

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
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