

Payload Plan

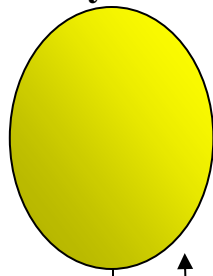
EOSS-401 Heavy

0700 MDT 9 May 2026

Rev E

Deer Trail, CO

(Student Experiment Weights as flown)



3000 g latex balloon

20 ft 240# woven nylon



12 ft Rocketman parachute with remote release Baker 770g (1.71 #)



KCØD-2 Remote Release/DF
145.645 MHz 485 g (1.07 #)

8 ft



N991SS ADS-B
Total wt: 575 g (1.27 #) Squawk: 4453

5 ft



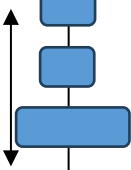
EOSS-2 864 Horus Binary Beacon
432.625 MHz 90g

5 ft



EOSS Go Pro 193g

5 ft



Student Experiments: 3 individual CubeSats
spaced @ 24" on 500# woven nylon
Total wt: 2677g (5.90#)

6 ft

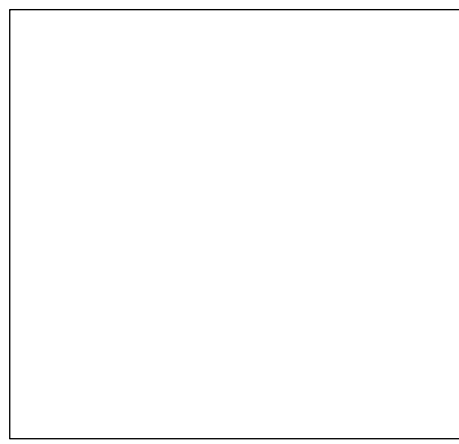
9 ft



KØSCC-13 APRS/Digi EOSSG
Time slotted at 0:00 and 0:30
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	5.90	2.677
EOSS Payloads	4.16	1.888
Parachute	1.70	0.770
Neck load	11.76	5.335
Balloon	6.61	3.000
Gross Weight	18.38	8.335
Gross Lift Factor	1.20	1.20
Neck Lift	15.44	7.001
H2 fill; scf (approx)	298	
Burst Altitude; kft km	112.4	34.3
Manual Release Altitude kft	110.4	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-401



www.wxqa.com/sss/balon1.cgi
AEØSS-4/ EOSS-396

