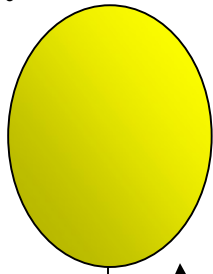


Payload Plan (string 1) EOSS-370 Heavy Rev D

**0645 MDT 05 Apr 2025
Deer Trail, CO**

(drop one student, update qual freq)



3000 gm
latex balloon

20 ft 240# woven nylon



12 ft Rocketman parachute with
remote release Charlie 820 g (1.81 #)



KCØD-3 Remote Release/DF
145.710 MHz 515 g (1.14 #)

15 ft



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

8 ft



8 COSGC DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 3,976 g (FRR) (8.77 #)

- (smallest to largest)
- PPSC-Stormi
 - PPSC-Radiation Levels
 - Western Samantha Cluff
 - PPSC-Exposure One
 - Mines-Sky Diggers
 - CU Boulder
 - Mines-Orepheus (Fire)
 - CMU-Rocket

13 ft



AEØSS-4 Voyager-JP05 (flight qualification)
145.535 MHz 471g (1.04 #)

22 ft



AEØSS-12 Alias = EOSSA (letter "O")
Time slotted at 0:27 and 0:57
144.340 MHz 980g (2.16 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12/ EOSS-370

Item	Weight pounds	Weight kg
Student Experiments	8.77	3.976
EOSS Payloads	5.47	2.481
Parachute	1.81	0.820
Neck load	16.04	7.277
Balloon	6.61	3.000
Gross Weight	22.66	10.277
Gross Lift Factor	1.20	1.20
Neck Lift	20.57	9.331
H2 fill; scf (approx)		367
Burst Altitude; kft km	108.1	32.9
Manual Release Altitude kft	106.1	

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-370