

**Payload Plan** (string 4)

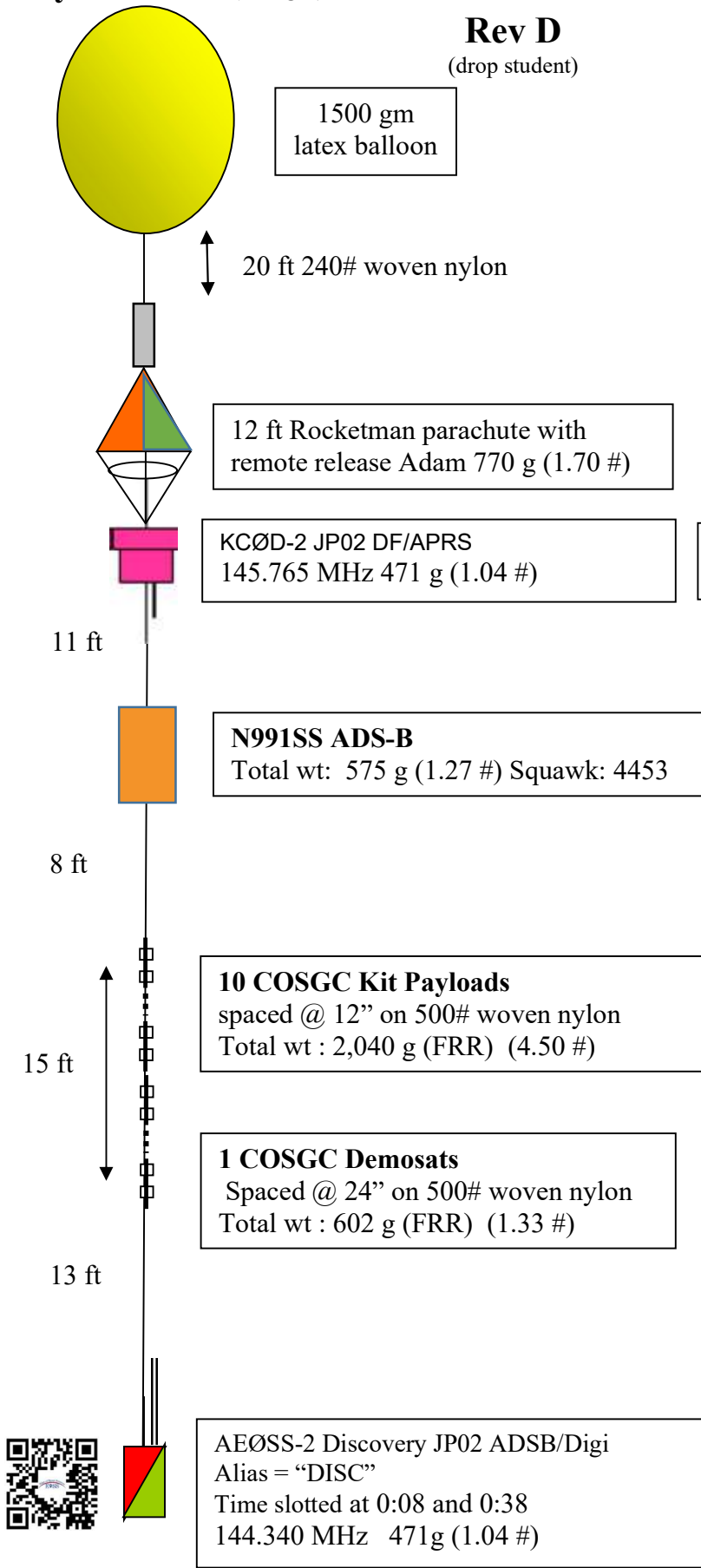
**EOSS-372 Lite**

**0725 MDT 05 Apr 2025**

**Rev D**

**Deer Trail, CO**

(drop student)



1500 gm  
latex balloon

20 ft 240# woven nylon

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

KCØD-2 JP02 DF/APRS  
145.765 MHz 471 g (1.04 #)

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

**10 COSGC Kit Payloads**  
spaced @ 12" on 500# woven nylon  
Total wt : 2,040 g (FRR) (4.50 #)

PPSC kits (10)

**1 COSGC Demosats**  
Spaced @ 24" on 500# woven nylon  
Total wt : 602 g (FRR) (1.33 #)

RRCC

AEØSS-2 Discovery JP02 ADSB/Digi  
Alias = "DISC"  
Time slotted at 0:08 and 0:38  
144.340 MHz 471g (1.04 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-2/ EOSS-372

Item	Weight pounds	Weight kg
Student Experiments	5.82	2.642
EOSS Payloads	3.38	1.531
Parachute	1.70	0.770
Neck load	10.90	4.943
Balloon	3.31	1.500
Gross Weight	14.20	6.443
Gross Lift Factor	1.30	1.30
Neck Lift	15.16	6.875
H2 fill; scf (approx)	249	
Burst Altitude; kft km	95.9	29.2
<b>Manual Release Altitude kft</b>	<b>93.9</b>	

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