

# Payload Plan

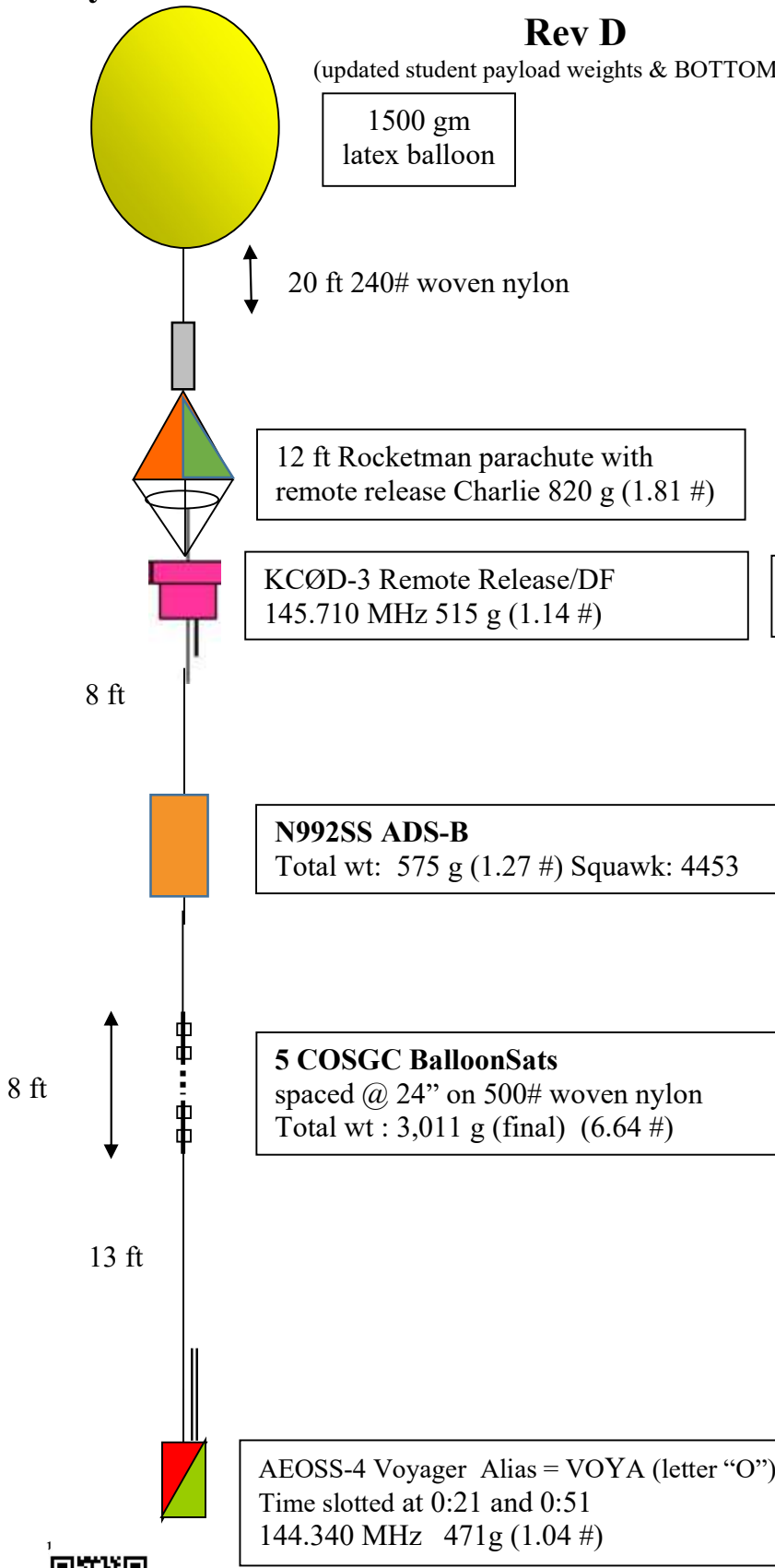
# EOSS-358 Lite

0700 MDT 04 May 2024

## Rev D

## Deer Trail, CO

(updated student payload weights & BOTTOM alias)



1500 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 #)

**N992SS ADS-B**  
Total wt: 575 g (1.27 #) Squawk: 4453

**5 COSGC BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 3,011 g (final) (6.64 #)

AEOSS-4 Voyager Alias = VOYA (letter "O")  
Time slotted at 0:21 and 0:51  
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	6.64	3.011
EOSS Payloads	3.44	1.561
Parachute	1.81	0.820
Neck load	11.89	5.392
Balloon	3.31	1.500
Gross Weight	15.19	6.892
Gross Lift Factor	1.30	1.30
Neck Lift	16.45	7.458
H2 fill; scf (approx)	267	
Burst Altitude; kft km	94.5	28.8
<b>Manual Release Altitude kft</b>	<b>92.5</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-3 / EOSS-358

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEOSS-4/ EOSS-358

