

# Payload Plan

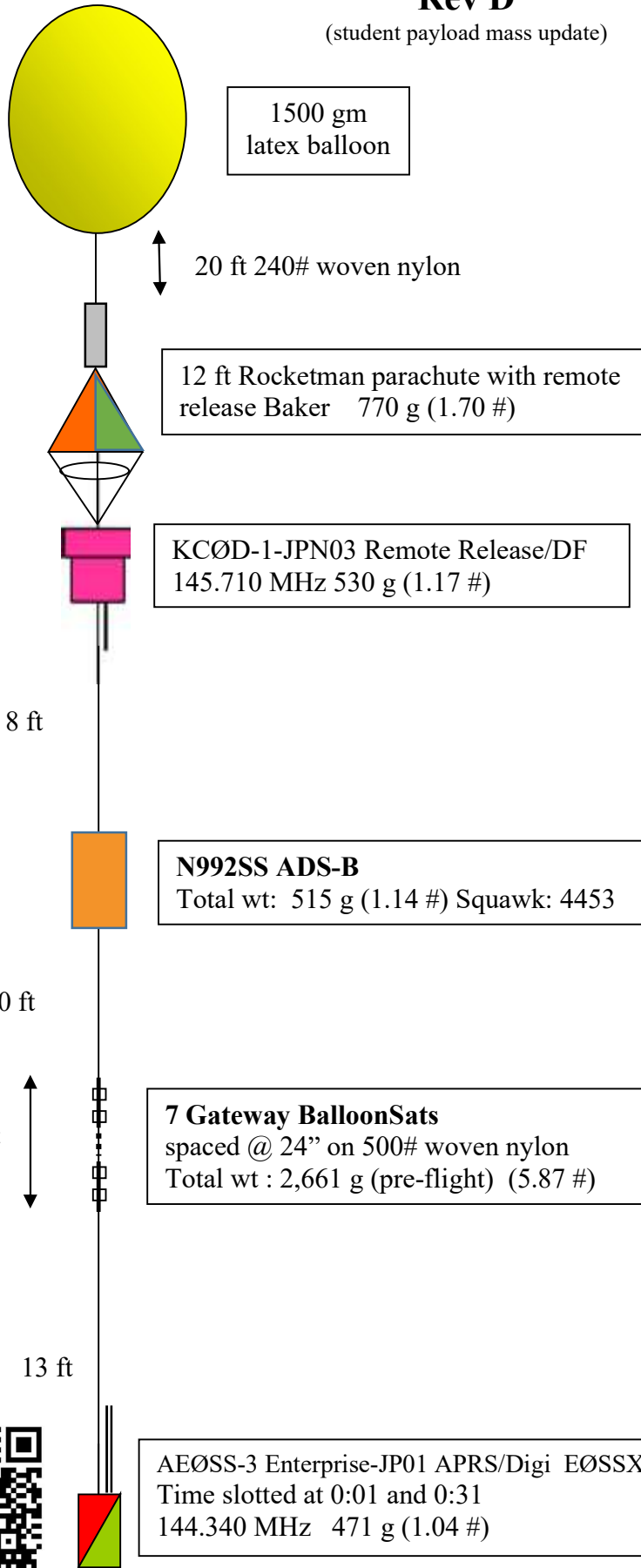
# EOSS-362 Lite

0820 MDT, 03 AUG 2024

## Rev D

# Limon Softball Fields

(student payload mass update)



1500 gm latex balloon

20 ft 240# woven nylon

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

KCØD-1-JPN03 Remote Release/DF  
145.710 MHz 530 g (1.17 #)

8 ft

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

10 ft

12 ft

**7 Gateway BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 2,661 g (pre-flight) (5.87 #)

PPSC Kit #1  
PPSC Kit #2  
PPSC Kit #3  
PPSC Kit #4  
PPSC Kit #5  
PPSC Spring Payload  
RRCC Spring Payload

13 ft

AEØSS-3 Enterprise-JP01 APRS/Digi EØSSX  
Time slotted at 0:01 and 0:31  
144.340 MHz 471 g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	5.87	2.661
EOSS Payloads	3.34	1.516
Parachute	1.70	0.770
Neck load	10.91	4.947
Balloon	3.31	1.500
Gross Weight	14.21	6.447
Gross Lift Factor	1.30	1.30
Neck Lift	15.17	6.880
H2 fill; scf (approx)	250	
Burst Altitude; kft km	95.9	29.2
<b>Manual Release Altitude kft</b>	<b>93.9</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-1 / EOSS-362



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