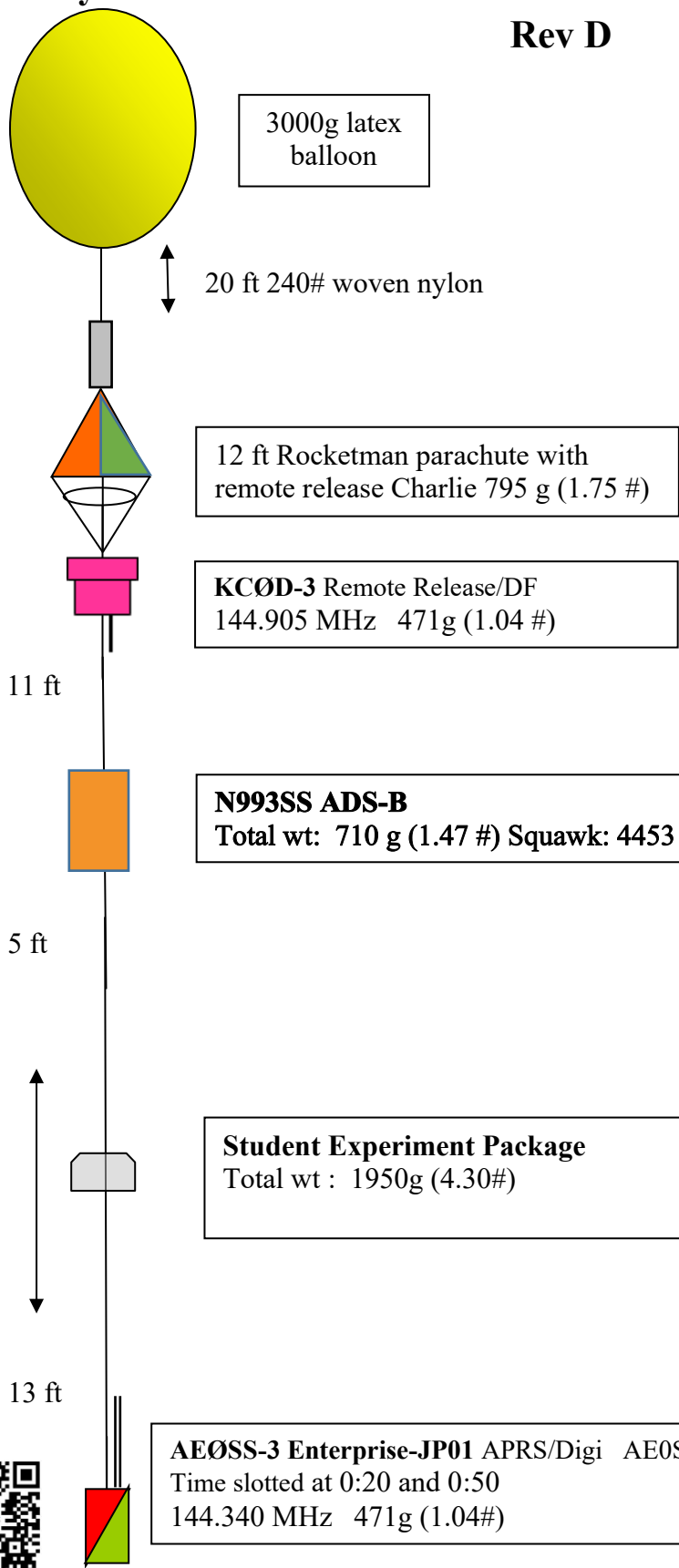


# Payload Plan

# EOSS-402 Lite Rev D

0730 MDT 9 May 2026  
Deer Trail, CO



3000g latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Charlie 795 g (1.75 #)

**KCØD-3** Remote Release/DF  
144.905 MHz 471g (1.04 #)

**N993SS ADS-B**  
Total wt: 710 g (1.47 #) Squawk: 4453

**Student Experiment Package**  
Total wt : 1950g (4.30#)

**AEØSS-3 Enterprise-JP01** APRS/Digi AEØSS  
Time slotted at 0:20 and 0:50  
144.340 MHz 471g (1.04#)

Item	Weight pounds	Weight kg
Student Experiments	4.30	1.950
EOSS Payloads	3.74	1.696
Parachute	1.70	0.770
Neck load	9.74	4.416
Balloon	6.61	3.000
Gross Weight	16.35	7.416
Gross Lift Factor	1.20	1.20
Neck Lift	13.01	5.898
H2 fill; scf (approx)	265	
Burst Altitude; kft km	114.9	35.0
<b>Manual Release Altitude kft</b>	<b>112.9</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-1/ EOSS-402

Team	Wt.(g)
Montbello 3 CubeSats in Carrier	1950 g

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-3 / EOSS-402



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