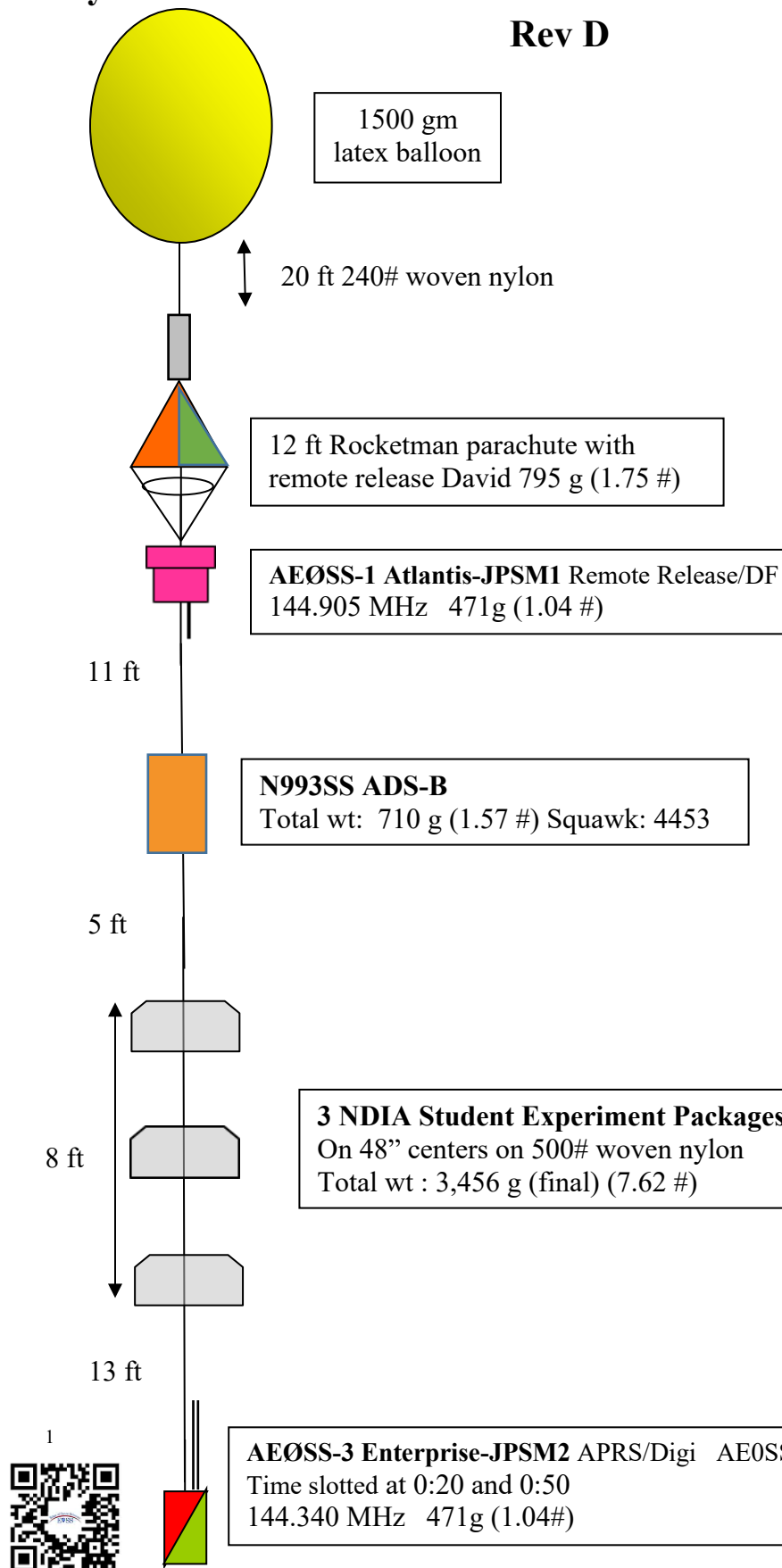


# Payload Plan

## EOSS-394 Lite Rev D

0700 MDT 12 April 2026  
Deer Trail, CO

Item	Weight pounds	Weight kg
Student Experiments	7.62	3.456
EOSS Payloads	3.64	1.652
Parachute	1.75	0.795
Neck load	13.01	5.903
Balloon	3.31	1.500
Gross Weight	16.32	7.403
Gross Lift Factor	1.30	1.30
Neck Lift	17.91	8.123
H2 fill; scf (approx)	287	
Burst Altitude; kft km	93.0	28.3
<b>Manual Release Altitude kft</b>	<b>91.0</b>	



1500 gm latex balloon

20 ft 240# woven nylon

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

AEØSS-1 Atlantis-JPSM1 Remote Release/DF  
144.905 MHz 471g (1.04 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-1/ EOSS-395

N993SS ADS-B  
Total wt: 710 g (1.57 #) Squawk: 4453

3 NDIA Student Experiment Packages  
On 48" centers on 500# woven nylon  
Total wt : 3,456 g (final) (7.62 #)

AEØSS-3 Enterprise-JPSM2 APRS/Digi AEØSS  
Time slotted at 0:20 and 0:50  
144.340 MHz 471g (1.04#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-3 / EOSS-395