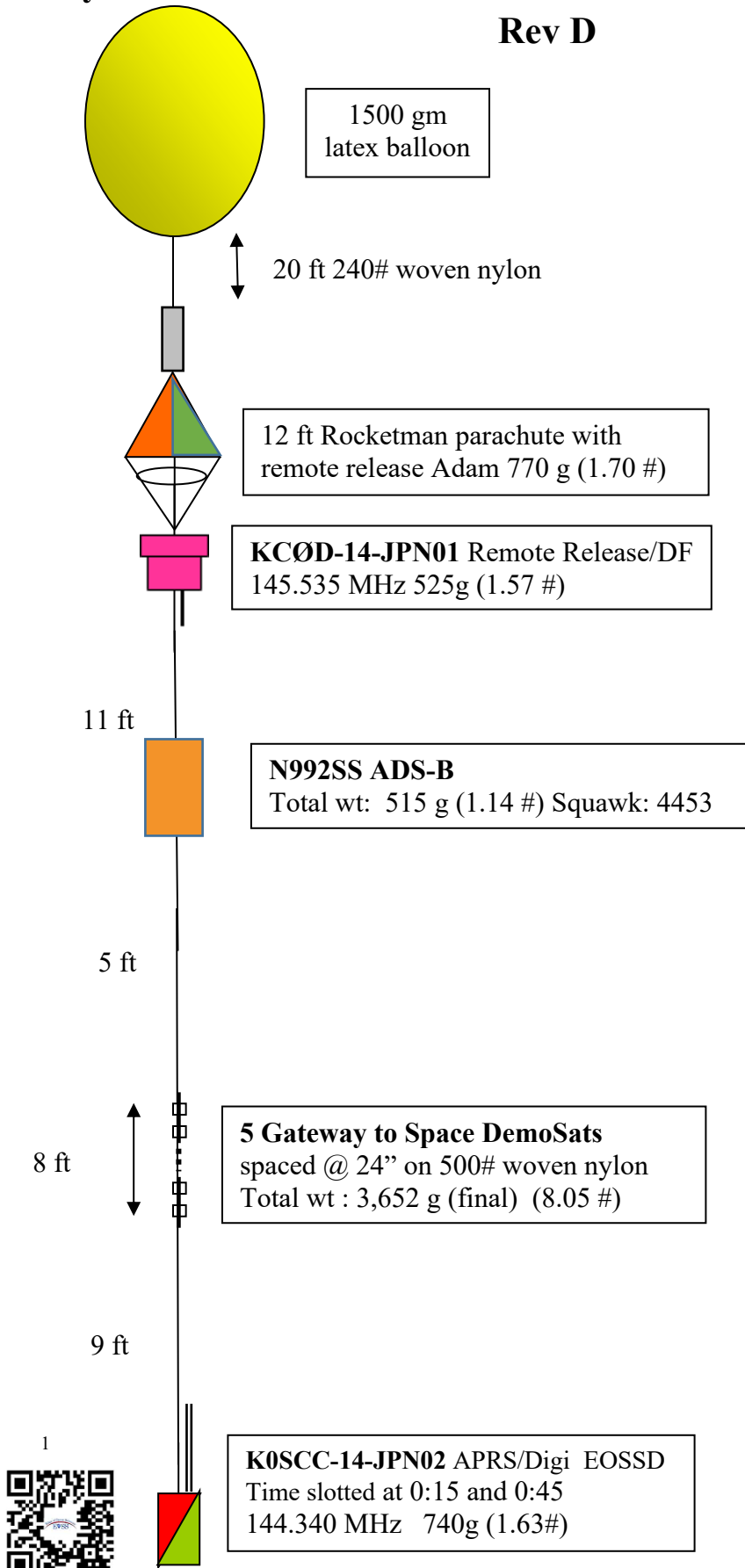


# Payload Plan

## EOSS-396 Lite Rev D

0750 MDT 12 April 2026  
Deer Trail, CO



1500 gm  
latex balloon

20 ft 240# woven nylon

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

**KCØD-14-JPN01** Remote Release/DF  
145.535 MHz 525g (1.57 #)

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

5 ft  
8 ft  
**5 Gateway to Space DemoSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 3,652 g (final) (8.05 #)

9 ft  
**KØSCC-14-JPN02** APRS/Digi EOSSD  
Time slotted at 0:15 and 0:45  
144.340 MHz 740g (1.63#)

Item	Weight pounds	Weight kg
Student Experiments	8.05	3.652
EOSS Payloads	3.92	1.780
Parachute	1.75	0.795
Neck load	13.73	6.227
Balloon	3.31	1.500
Gross Weight	17.04	7.727
Gross Lift Factor	1.30	1.30
Neck Lift	18.84	8.544
H2 fill; scf (approx)	299	
Burst Altitude; kft km	92.0	28.1
<b>Manual Release Altitude kft</b>	<b>90.0</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-396

(sorted light to heavy)  
Gateway Team #9  
Gateway Team #8 (xmtr)  
Gateway Team #6  
Gateway Team #1 (xmtr)  
Gateway Team #4

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KØSCC-14 / EOSS-396