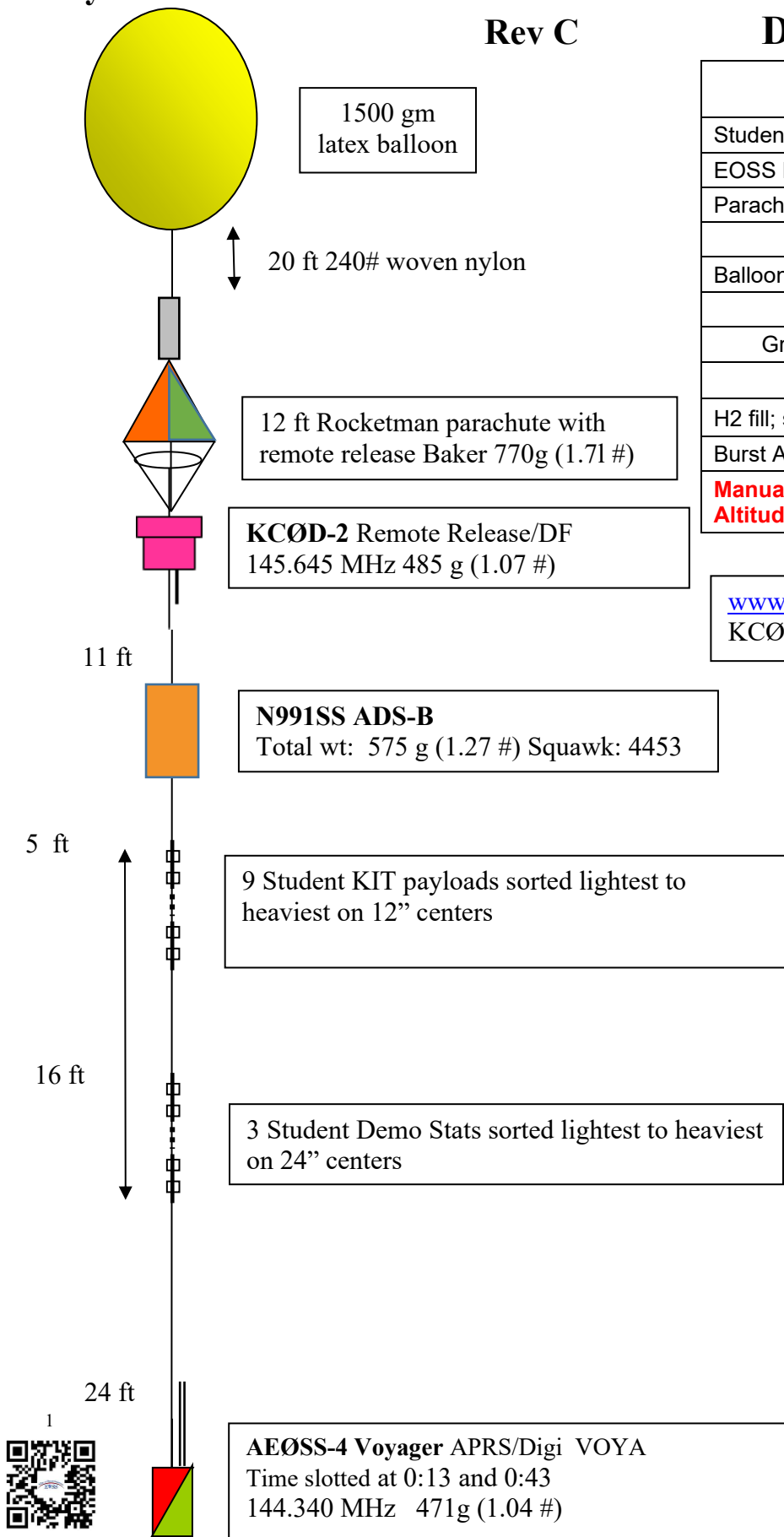


# Payload Plan

## EOSS-392 LITE 0700 MDT 04 April 2026

### Rev C

### Deer Trail, CO



1500 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release Baker 770g (1.71 #)

**KCØD-2 Remote Release/DF**  
145.645 MHz 485 g (1.07 #)

**N991SS ADS-B**  
Total wt: 575 g (1.27 #) Squawk: 4453

9 Student KIT payloads sorted lightest to heaviest on 12" centers

3 Student Demo Stats sorted lightest to heaviest on 24" centers

**AEØSS-4 Voyager APRS/Digi VOYA**  
Time slotted at 0:13 and 0:43  
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	7.56	3.429
EOSS Payloads	3.38	1.531
Parachute	1.70	0.770
Neck load	12.63	5.730
Balloon	3.31	1.500
Gross Weight	15.94	7.230
Gross Lift Factor	1.30	1.30
Neck Lift	17.41	7.898
H2 fill; scf (approx)	280	
Burst Altitude; kft km	93.5	28.5
<b>Manual Release Altitude kft</b>	<b>91.5</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-2 / EOSS-392

(sorted lightest to heaviest)

PPCS CAB	184
PPCS BLOSSOM	185
SPACE ACADEMY HOME	190
PPCS AA	203
PPCS LAIKA	209
PPCS STRATONAUT	210
PCCS HOT AIR	210
PPCS FROSTY	213
PPCS EDGAR	220
ACC SELF ORIENTING	415
PPSC 2ND EYEIN THE SKY	593
CSM MINES SPECTRO	597
<b>Total student wt 3429g (7.56#)</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-4/ EOSS-392