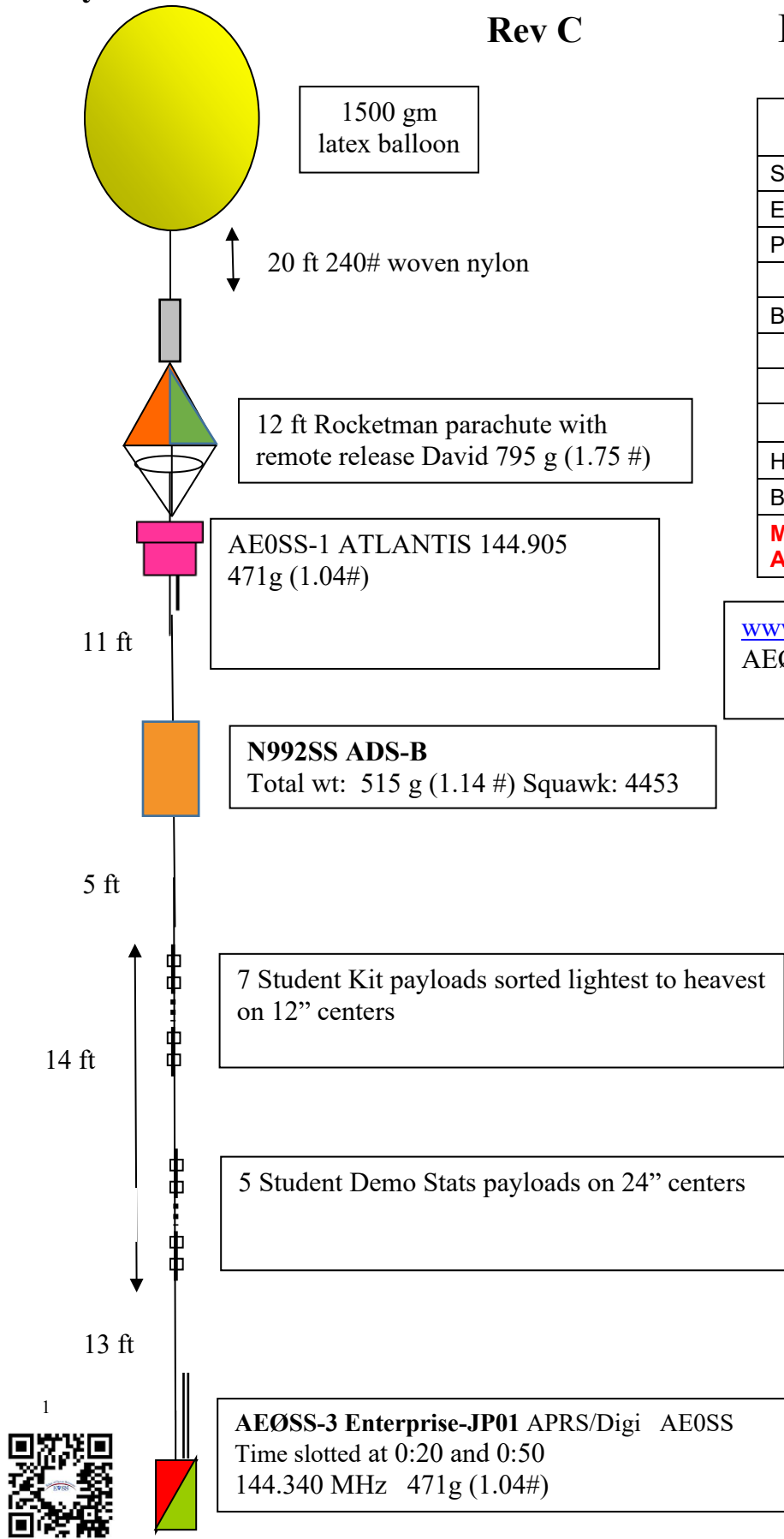


Payload Plan

EOSS-393 LITE Rev C

0720 MST 04 April 2026
Deer Trail, CO



1500 gm latex balloon

20 ft 240# woven nylon

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

AEØSS-1 ATLANTIS 144.905 471g (1.04#)

11 ft

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

5 ft

7 Student Kit payloads sorted lightest to heaviest on 12" centers

14 ft

5 Student Demo Stats payloads on 24" centers

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

13 ft

Item	Weight pounds	Weight kg
Student Experiments	8.77	3.979
EOSS Payloads	3.21	1.457
Parachute	1.75	0.795
Neck load	13.74	6.231
Balloon	3.31	1.500
Gross Weight	17.04	7.731
Gross Lift Factor	1.30	1.30
Neck Lift	18.85	8.549
H2 fill; scf (approx)	299	
Burst Altitude; kft km	92.0	28.1
Manual Release Altitude kft	90.0	

www.wxqa.com/sss/balon1.cgi
AEØSS-1/ EOSS-393

(sorted lightest to heaviest)

DU PYLD PIONEERS	186
DU D&B	186
DU MANTIS	189
DU MUSTANGS	195
DU DRAGGONS	199
LGMT HS HIGH RISERS	203
REGIS SOUNDWAVES	210
REGIS SPACEWORMS	265
LGMT HS JAKE	350
FRCC LARMR GERALD	
COW	546
FRCC SIRUS	660
RRCC ORGOSAT	790
TOTAL STUDENT	3979g 8.77#

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-393

