

Payload Plan

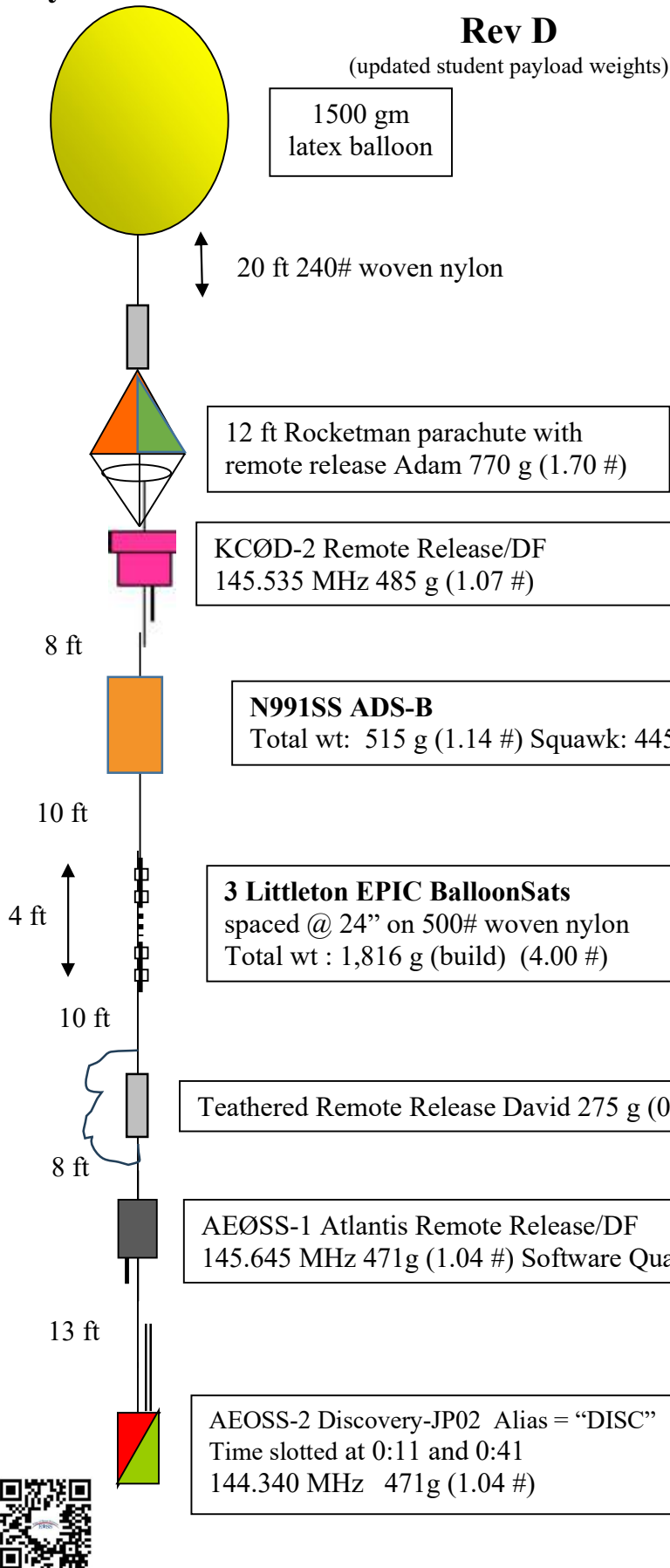
EOSS-360 Lite

0740 MDT 04 May, 2024

Rev D

Deer Trail, CO

(updated student payload weights)



1500 gm latex balloon

20 ft 240# woven nylon

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

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

N991SS ADS-B
Total wt: 515 g (1.14 #) Squawk: 4453

3 Littleton EPIC BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 1,816 g (build) (4.00 #)

EPIC #5 Benchwarmers
EPIC #8 Astroworld
EPIC #7 SillyCats

Teathered Remote Release David 275 g (0.61 #)

AEØSS-1 Atlantis Remote Release/DF
145.645 MHz 471g (1.04 #) Software Qualification

AEØSS-2 Discovery-JP02 Alias = "DISC"
Time slotted at 0:11 and 0:41
144.340 MHz 471g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	4.00	1.816
EOSS Payloads	4.89	2.217
Parachute	1.70	0.770
Neck load	10.59	4.803
Balloon	3.31	1.500
Gross Weight	13.90	6.303
Gross Lift Factor	1.30	1.30
Neck Lift	14.76	6.693
H2 fill; scf (approx)	244	
Burst Altitude; kft km	96.4	29.4
Manual Release Altitude kft	94.4	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-359

www.wxqa.com/sss/balon1.cgi
AEØSS-2/ EOSS-359

