

Payload Plan

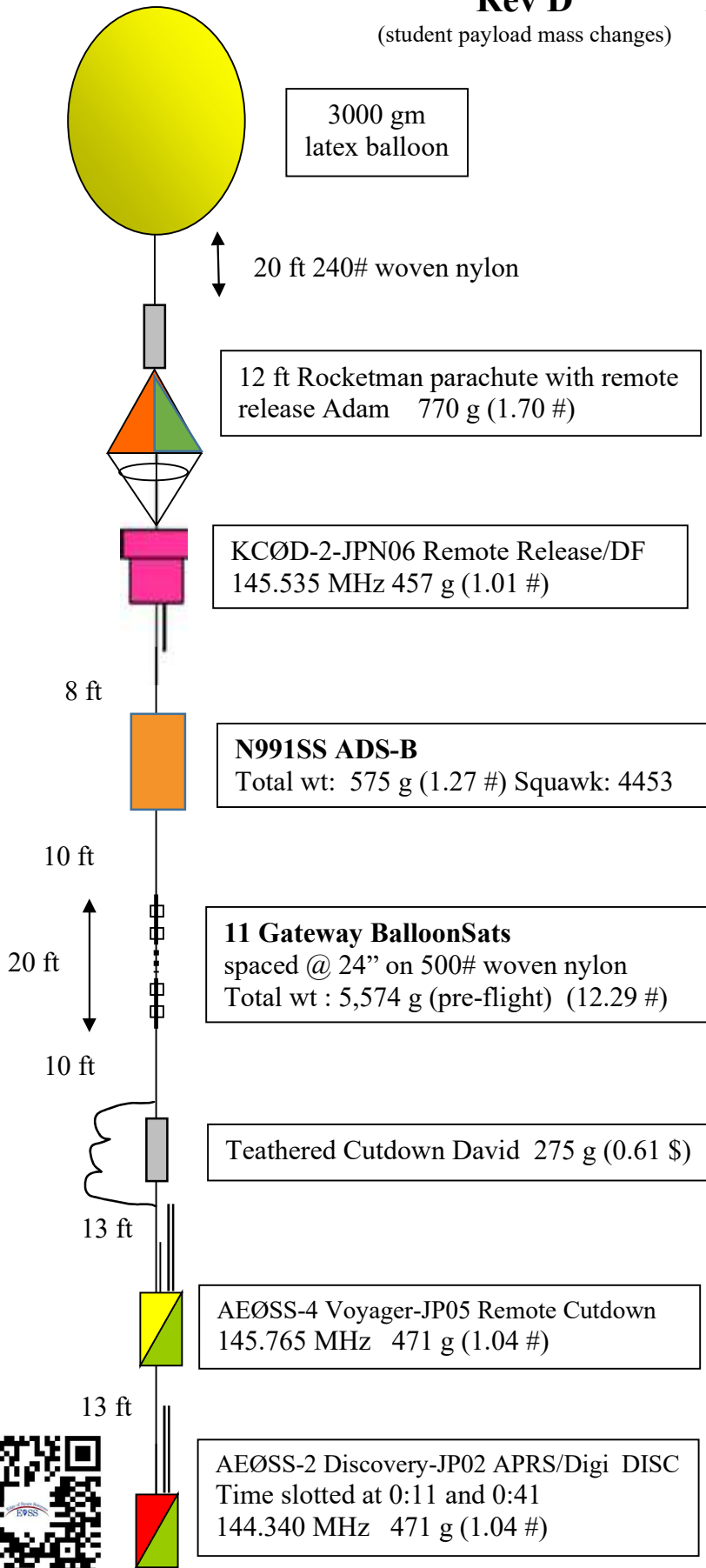
EOSS-361 Heavy

0800 MDT, 03 AUG 2024

Rev D

Limon Softball Fields

(student payload mass changes)



3000 gm latex balloon

20 ft 240# woven nylon

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

KCØD-2-JPN06 Remote Release/DF 145.535 MHz 457 g (1.01 #)

8 ft

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

10 ft

11 Gateway BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 5,574 g (pre-flight) (12.29 #)

NOTE: CSU payload on the bottom of flight string

20 ft

10 ft

Teathered Cutdown David 275 g (0.61 #)

13 ft

AEØSS-4 Voyager-JP05 Remote Cutdown 145.765 MHz 471 g (1.04 #)

13 ft

AEØSS-2 Discovery-JP02 APRS/Digi DISC
Time slotted at 0:11 and 0:41
144.340 MHz 471 g (1.04 #)

Item	Weight pounds	Weight kg
Student Experiments	12.29	5.574
EOSS Payloads	5.02	2.277
Parachute	1.70	0.770
Neck load	19.01	8.621
Balloon	6.61	3.000
Gross Weight	25.62	11.621
Gross Lift Factor	1.20	1.20
Neck Lift	24.13	10.943
H2 fill; scf (approx)	415	
Burst Altitude; kft km	105.5	32.2
Manual Release Altitude kft	103.5	

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-361



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