

Payload Plan

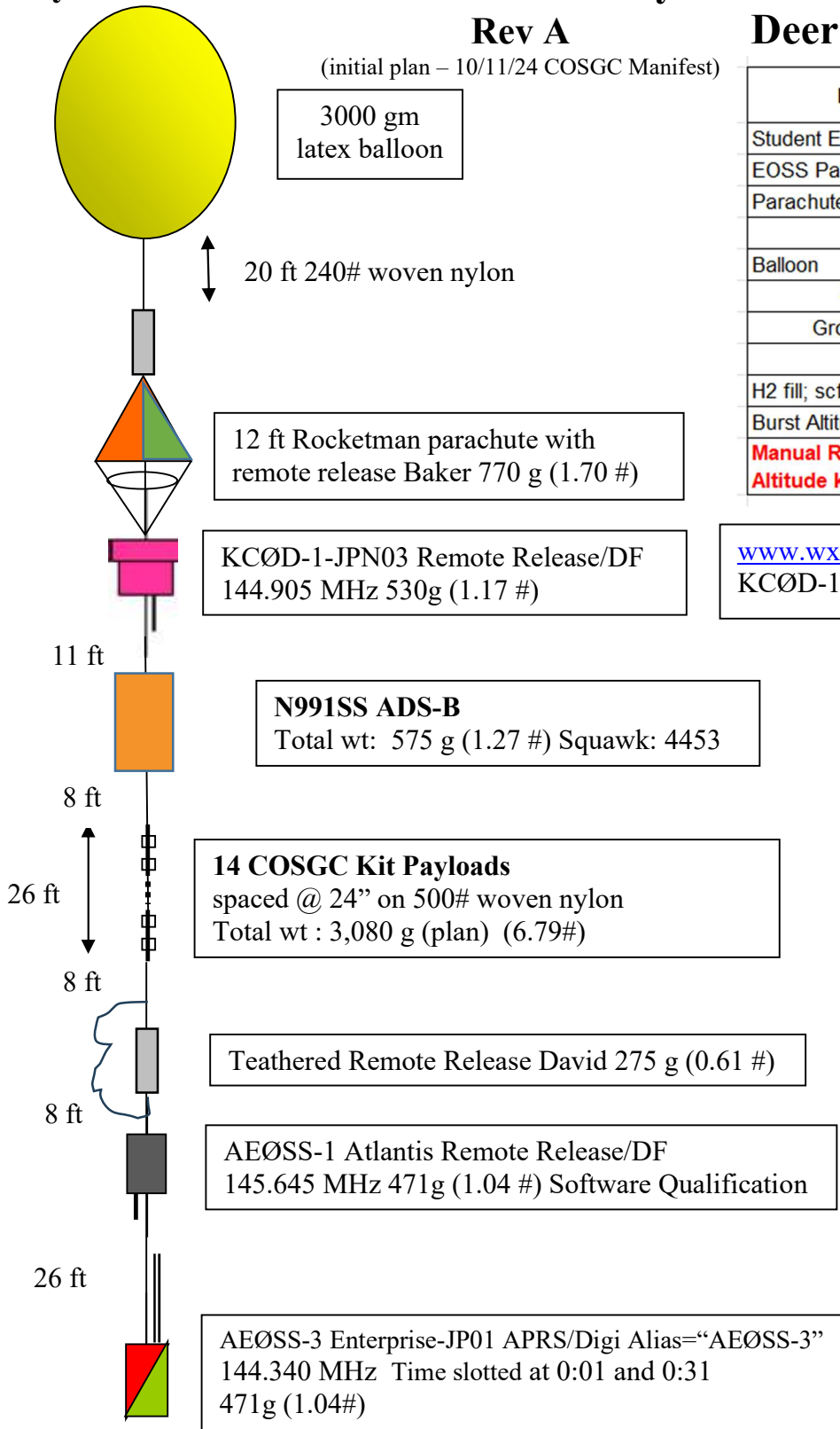
EOSS-365 Heavy

Rev A

0730 MST 09 Nov 2024

Deer Trail, CO

(initial plan – 10/11/24 COSGC Manifest)



3000 gm latex balloon

20 ft 240# woven nylon

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

KCØD-1-JPN03 Remote Release/DF
144.905 MHz 530g (1.17 #)

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

14 COSGC Kit Payloads
spaced @ 24" on 500# woven nylon
Total wt : 3,080 g (plan) (6.79#)

Teathered Remote Release David 275 g (0.61 #)

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

AEØSS-3 Enterprise-JP01 APRS/Digi Alias="AEØSS-3"
144.340 MHz Time slotted at 0:01 and 0:31
471g (1.04#)

Item	Weight pounds	Weight kg
Student Experiments	6.79	3.080
EOSS Payloads	5.12	2.322
Parachute	1.70	0.770
Neck load	13.61	6.172
Balloon	6.61	3.000
Gross Weight	20.22	9.172
Gross Lift Factor	1.20	1.20
Neck Lift	17.65	8.005
H2 fill; scf (approx)	328	
Burst Altitude; kft km	110.4	33.7
Manual Release Altitude kft	108.4	

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-365

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-365

