

Payload Plan

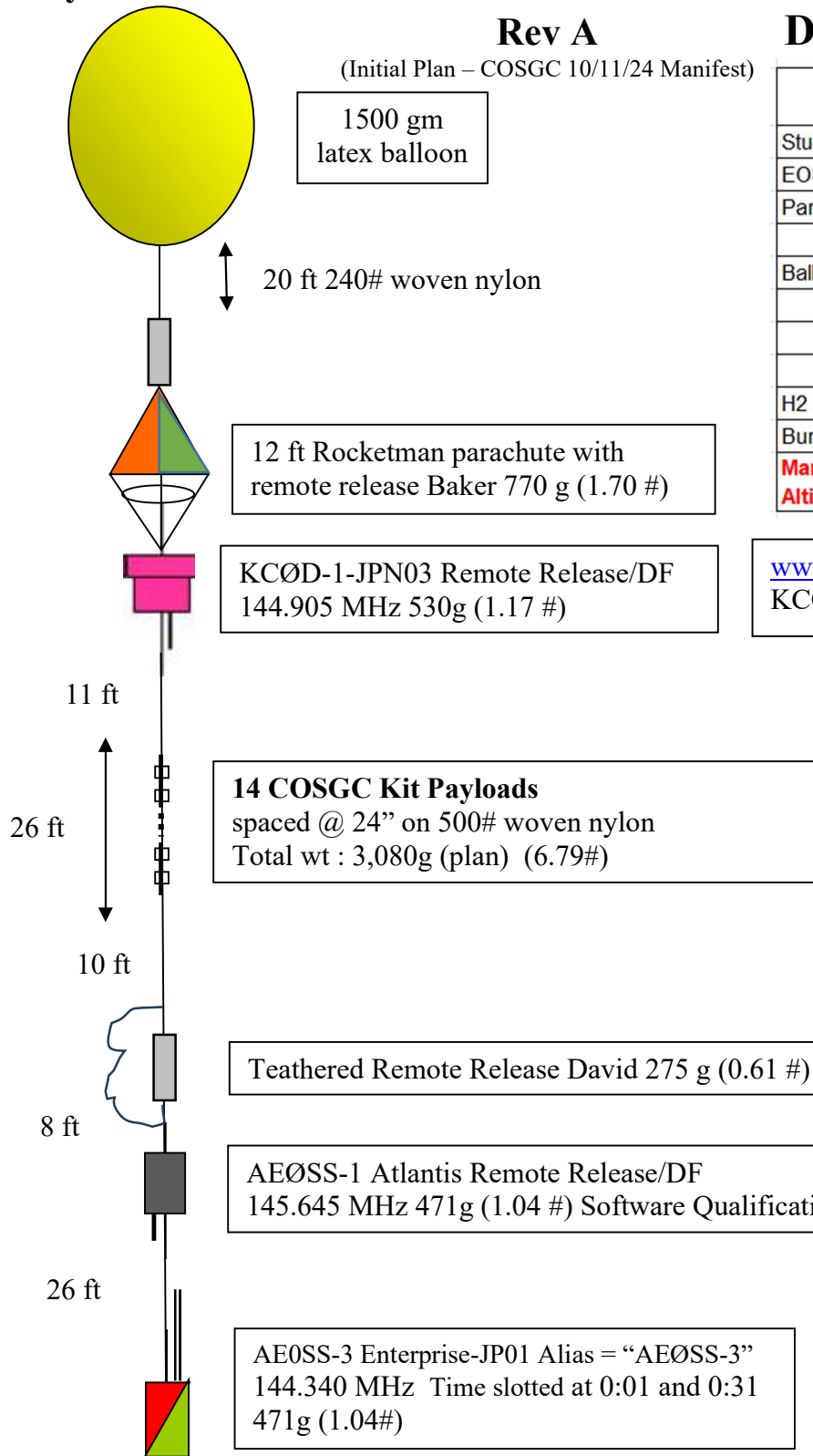
EOSS-365 Lite

Rev A

(Initial Plan – COSGC 10/11/24 Manifest)

0730 MST 09 Nov 2024

Deer Trail, CO



1500 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 #)

14 COSGC Kit Payloads
spaced @ 24" on 500# woven nylon
Total wt : 3,080g (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 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	3.85	1.747
Parachute	1.70	0.770
Neck load	12.34	5.597
Balloon	3.31	1.500
Gross Weight	15.65	7.097
Gross Lift Factor	1.30	1.30
Neck Lift	17.03	7.725
H2 fill; scf (approx)	275	
Burst Altitude; kft km	93.8	28.6
Manual Release Altitude kft	91.8	

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

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

