

Payload Plan

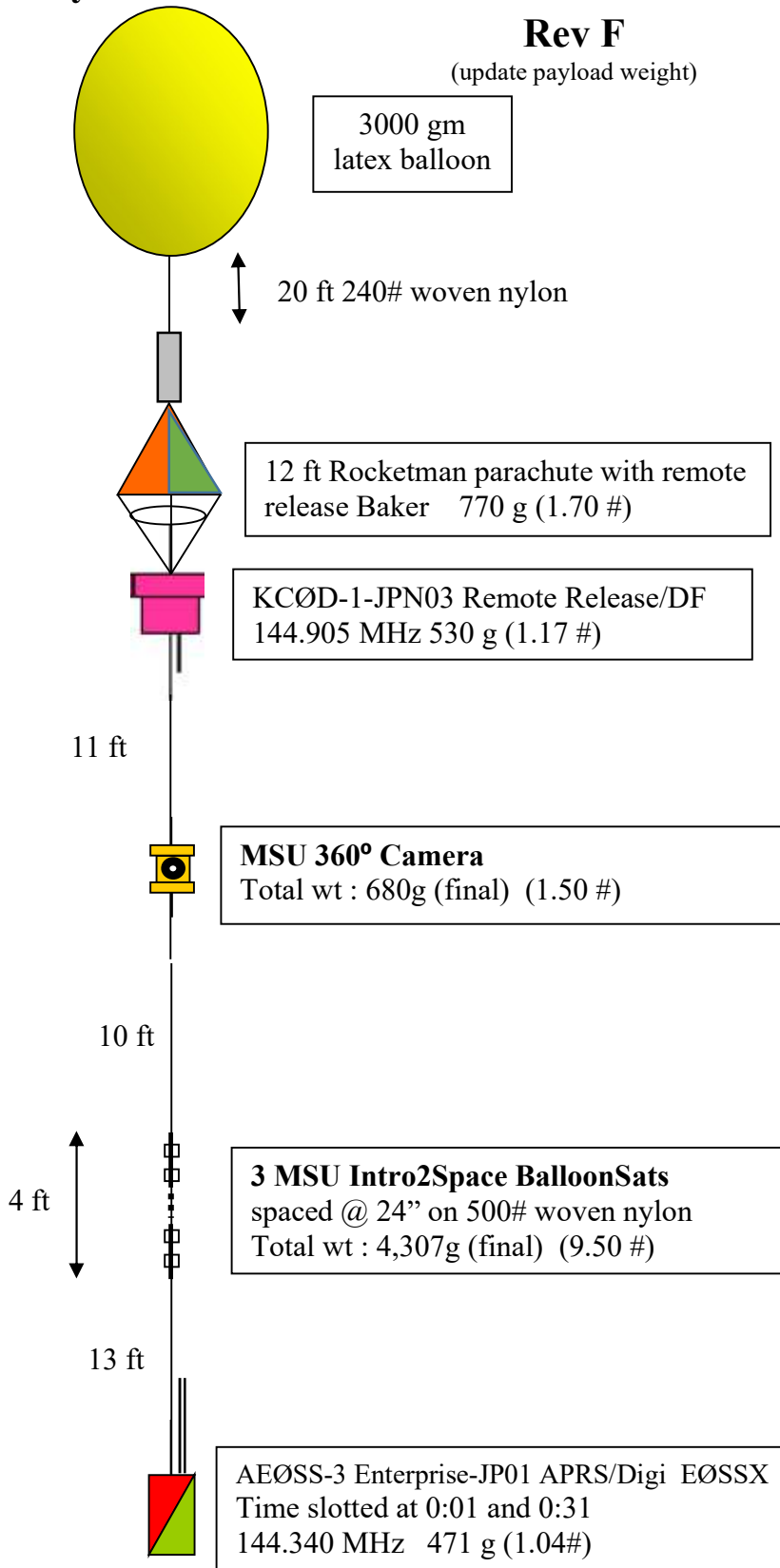
EOSS-355 Lite

0700 MDT, 20 APR 2024

Rev F

Deer Trail, CO

(update payload weight)



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 530 g (1.17 #)

11 ft

MSU 360° Camera
Total wt : 680g (final) (1.50 #)

10 ft

3 MSU Intro2Space BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 4,307g (final) (9.50 #)

4 ft

13 ft

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

Item	Weight pounds	Weight kg
Student Experiments	9.01	4.087
EOSS Payloads	2.21	1.001
Parachute	1.70	0.770
Neck load	12.91	5.858
Balloon	6.61	3.000
Gross Weight	19.53	8.858
Gross Lift Factor	1.20	1.20
Neck Lift	16.82	7.628
H2 fill; scf (approx)	317	
Burst Altitude; kft km	111.2	33.9
Manual Release Altitude kft	109.2	

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-355

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-355

