

Payload Plan

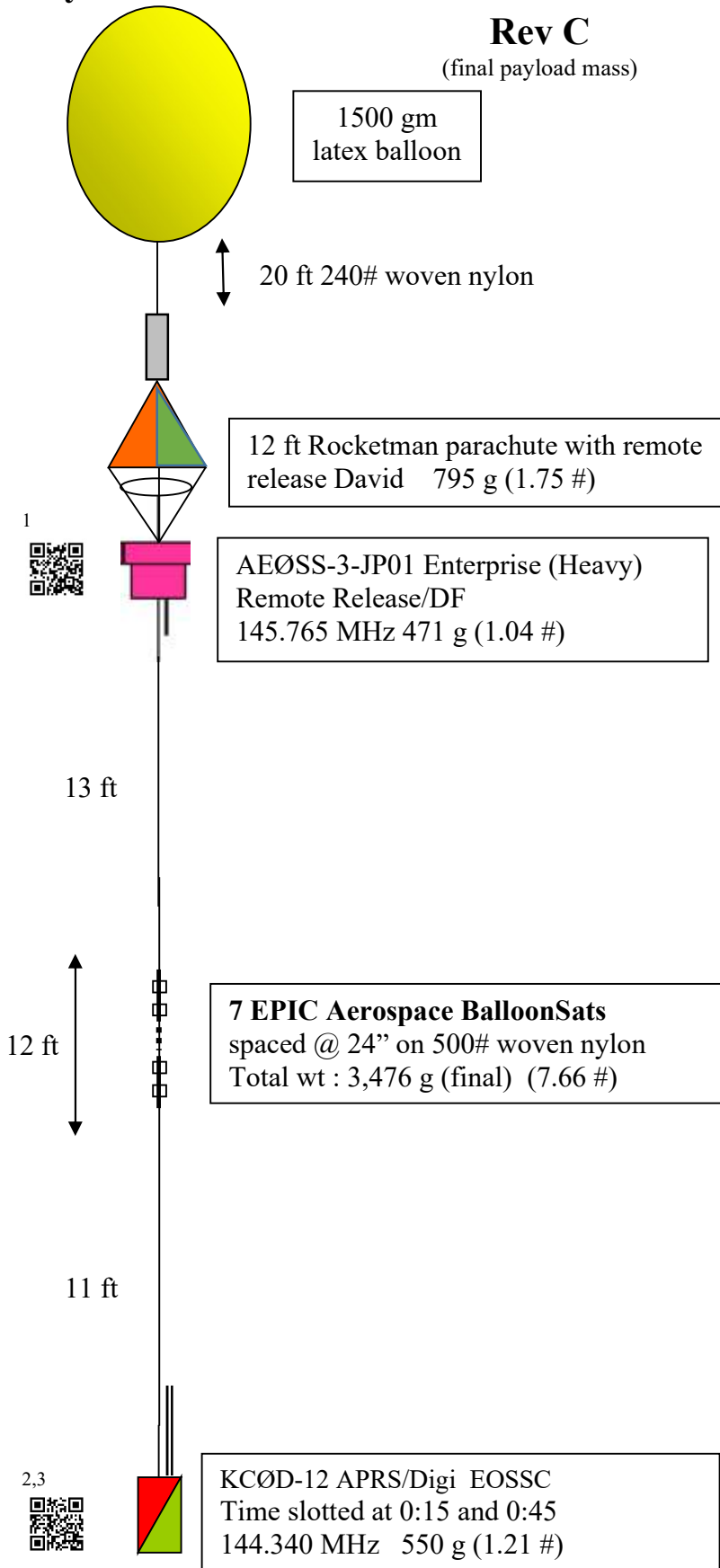
EOSS-351 Lite

0820 MDT, 04 NOV 2023

Rev C

Deer Trail, CO

(final payload mass)



1500 gm latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with remote release David 795 g (1.75 #)

AEØSS-3-JP01 Enterprise (Heavy) Remote Release/DF
145.765 MHz 471 g (1.04 #)

7 EPIC Aerospace BalloonSats spaced @ 24" on 500# woven nylon
Total wt : 3,476 g (final) (7.66 #)

KCØD-12 APRS/Digi EOSSC
Time slotted at 0:15 and 0:45
144.340 MHz 550 g (1.21 #)

Item	Weight pounds	Weight kg
Student Experiments	7.66	3.476
EOSS Payloads	2.25	1.021
Parachute	1.75	0.795
Neck load	11.67	5.292
Balloon	3.31	1.500
Gross Weight	14.97	6.792
Gross Lift Factor	1.30	1.30
Neck Lift	16.16	7.328
H2 fill; scf (approx)	263	
Burst Altitude; kft km	94.8	28.9
Manual Release Altitude kft	92.0	

www.wxqa.com/sss/balon1.cgi
AEØSS-3 / EOSS-351

Big Dippers
Team Odin
S.O.A.P
Team 6
Team 8
Banana
Bess

www.wxqa.com/sss/balon1.cgi
KCØD-12 / EOSS-351

¹ www.aprs.fi/ae0ss-3 (that is a zero)

² <http://www.aprs.fi/kc0d-12> (that is a zero)

³ <https://track.eoss.org>