

Payload Plan

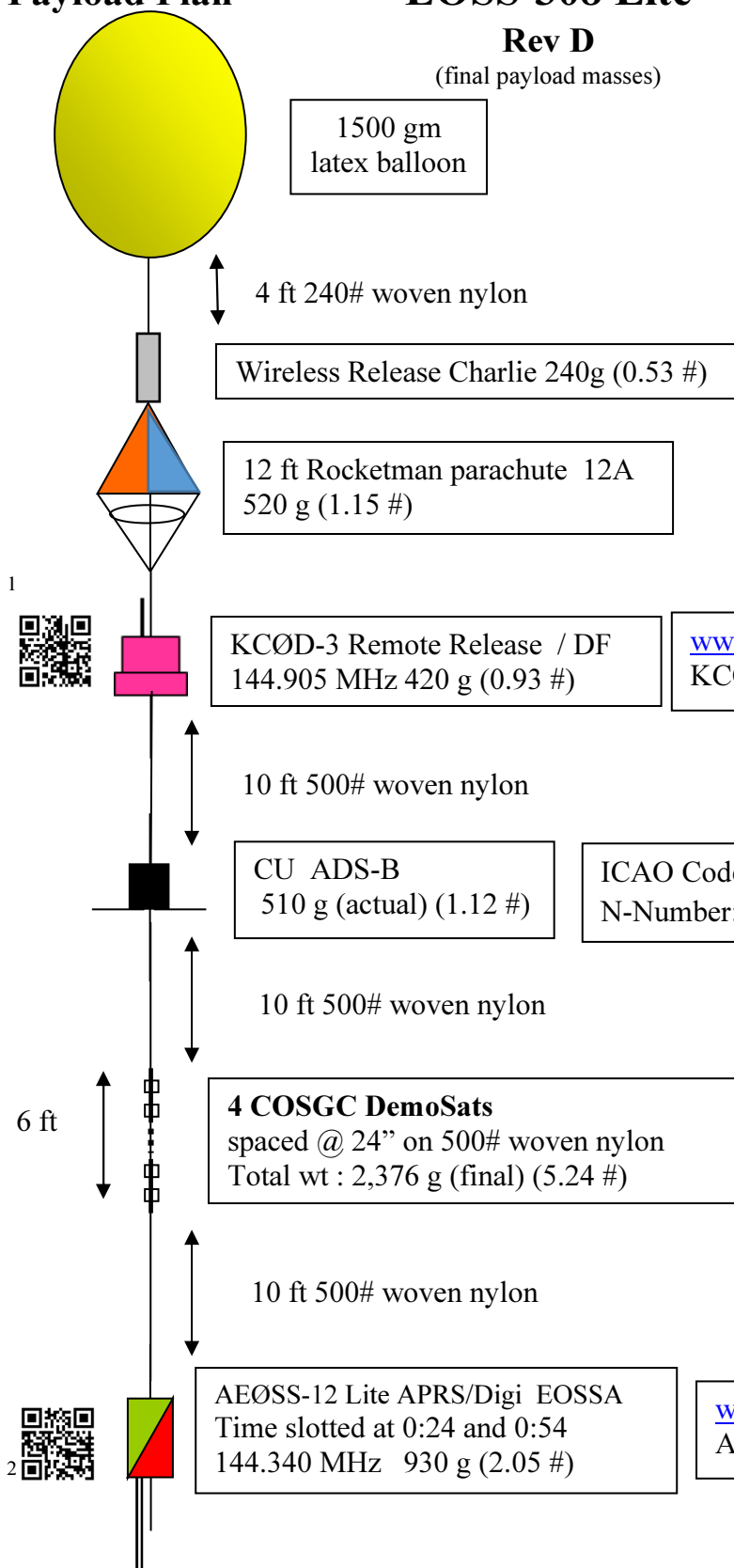
EOSS-308 Lite

0640 MDT, 03 Apr 2021

Rev D

Deer Trail, CO

(final payload masses)



1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release Charlie 240g (0.53 #)

12 ft Rocketman parachute 12A
520 g (1.15 #)

KCØD-3 Remote Release / DF
144.905 MHz 420 g (0.93 #)

www.wxqa.com/sss/balon1.cgi
KCØD-3 / EOSS-308

10 ft 500# woven nylon

CU ADS-B
510 g (actual) (1.12 #)

ICAO Code: A59EE9
N-Number: N461SG

10 ft 500# woven nylon

4 COSGC DemoSats
spaced @ 24" on 500# woven nylon
Total wt : 2,376 g (final) (5.24 #)

6 ft

10 ft 500# woven nylon

AEØSS-12 Lite APRS/Digi EOSSA
Time slotted at 0:24 and 0:54
144.340 MHz 930 g (2.05 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-308

Item	Weight pounds	Weight kg
Student Experiments	5.24	2.376
EOSS Payloads	4.10	1.860
Parachute	1.68	0.760
Neck load	11.01	4.996
Balloon	3.31	1.500
Gross Weight	14.32	6.496
Gross Lift Factor	1.30	1.30
Neck Lift	15.31	6.944
H2 fill; scf (approx)	252	
Burst Altitude; kft km	95.7	29.2

¹ www.aprs.fi/kc0d-3 (that is a zero)

² www.aprs.fi/ae0ss-12 (that is a zero)