

Payload Plan

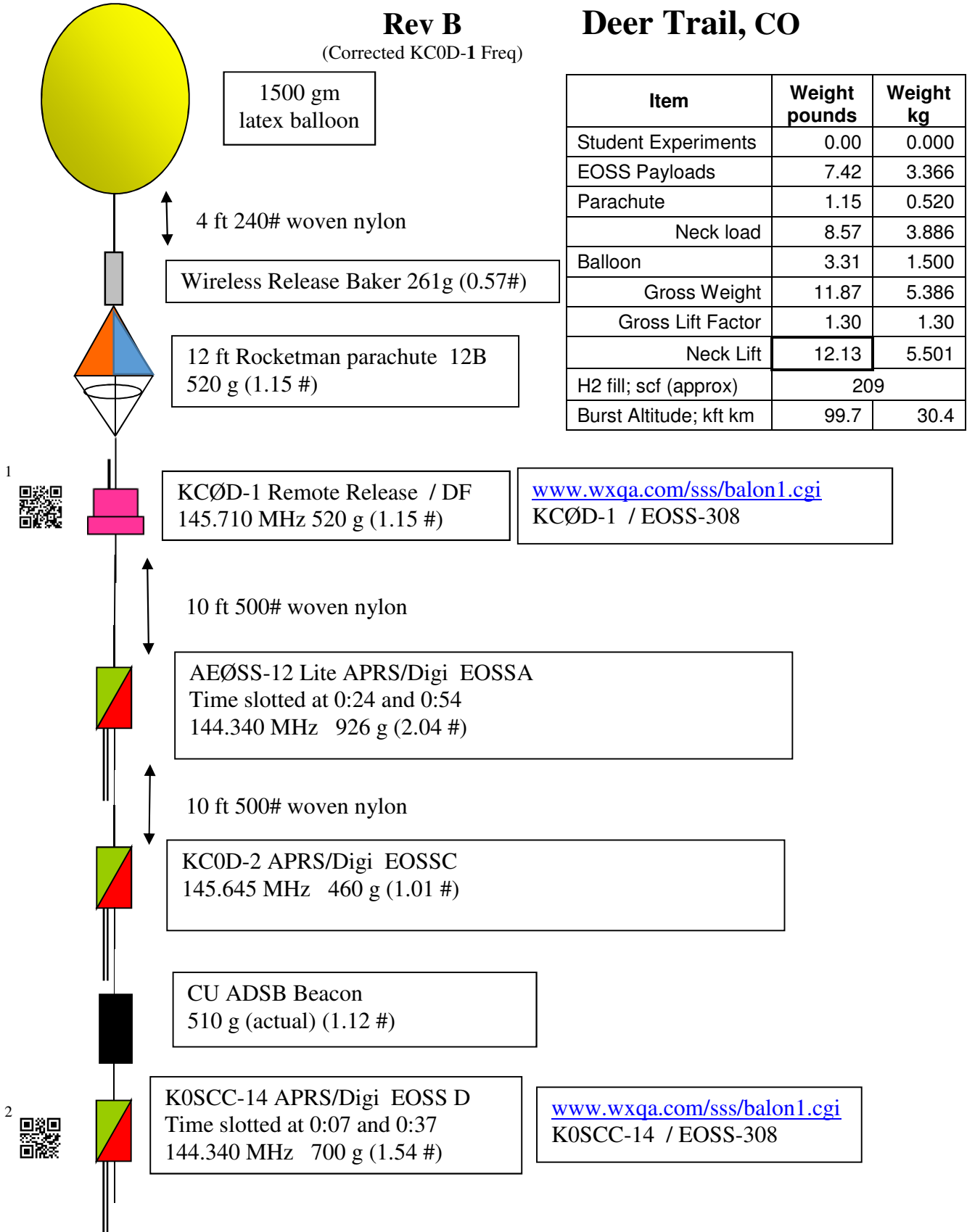
EOSS-308 Lite

0730MDT, 20 MAR 2021

Rev B

Deer Trail, CO

(Corrected KC0D-1 Freq)



1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release Baker 261g (0.57#)

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

KCØD-1 Remote Release / DF 145.710 MHz 520 g (1.15 #)

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-308

10 ft 500# woven nylon

AEØSS-12 Lite APRS/Digi EOSSA
Time slotted at 0:24 and 0:54
144.340 MHz 926 g (2.04 #)

10 ft 500# woven nylon

KC0D-2 APRS/Digi EOSSC
145.645 MHz 460 g (1.01 #)

CU ADSB Beacon
510 g (actual) (1.12 #)

K0SCC-14 APRS/Digi EOSS D
Time slotted at 0:07 and 0:37
144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
K0SCC-14 / EOSS-308

Item	Weight pounds	Weight kg
Student Experiments	0.00	0.000
EOSS Payloads	7.42	3.366
Parachute	1.15	0.520
Neck load	8.57	3.886
Balloon	3.31	1.500
Gross Weight	11.87	5.386
Gross Lift Factor	1.30	1.30
Neck Lift	12.13	5.501
H2 fill; scf (approx)	209	
Burst Altitude; kft km	99.7	30.4

¹ www.aprs.fi/kc0d-1 (that is a zero)

² www.aprs.fi/k0scc-14 (that is a zero)