

Payload Plan

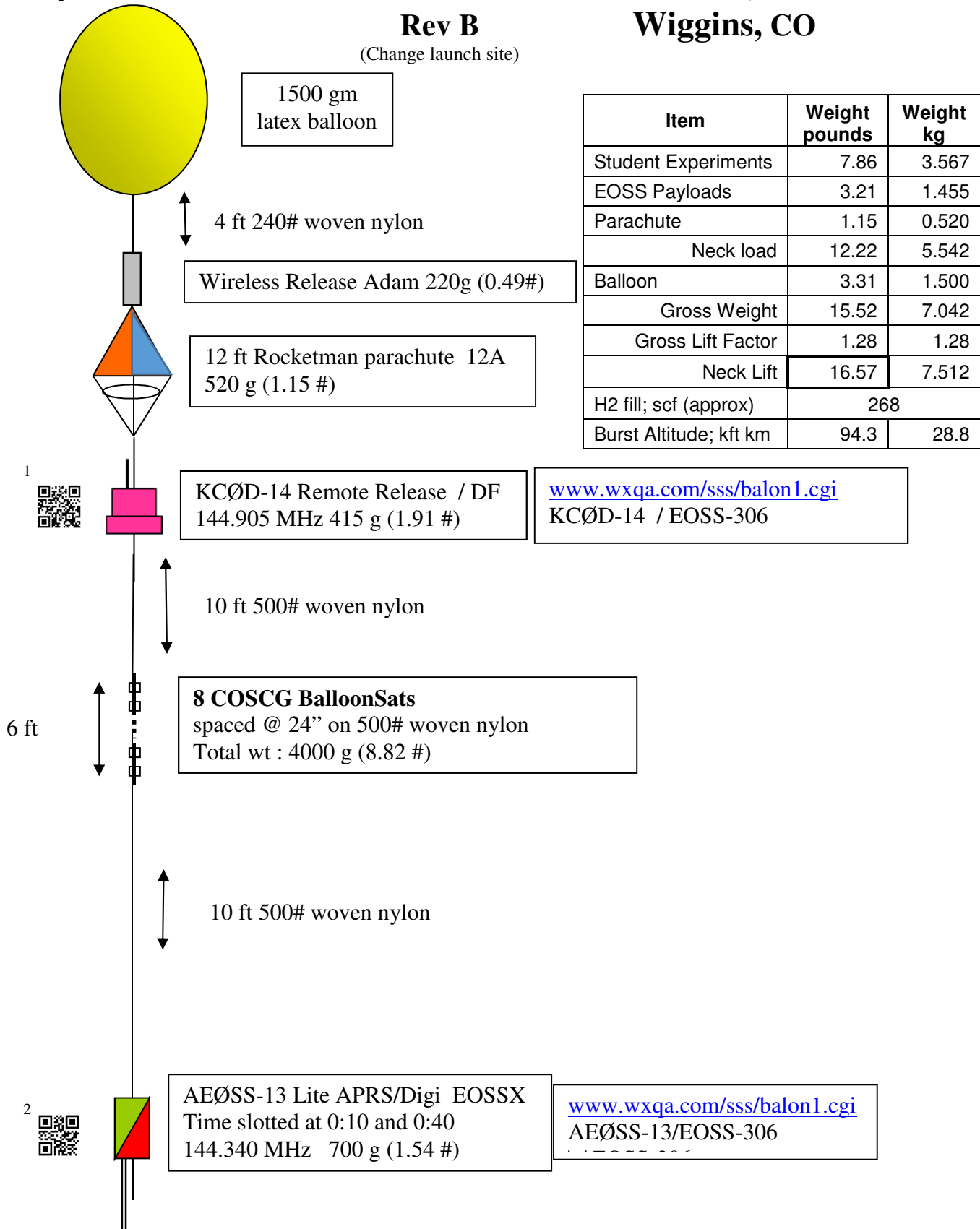
EOSS-305 Lite

0700 MT, 7 NOV 2020

Rev B

Wiggins, CO

(Change launch site)



1500 gm
latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.49#)

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

KCØD-14 Remote Release / DF
144.905 MHz 415 g (1.91 #)

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-306

10 ft 500# woven nylon

8 COSCG BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 4000 g (8.82 #)

10 ft 500# woven nylon

AEØSS-13 Lite APRS/Digi EOSSX
Time slotted at 0:10 and 0:40
144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-13/EOSS-306

Item	Weight pounds	Weight kg
Student Experiments	7.86	3.567
EOSS Payloads	3.21	1.455
Parachute	1.15	0.520
Neck load	12.22	5.542
Balloon	3.31	1.500
Gross Weight	15.52	7.042
Gross Lift Factor	1.28	1.28
Neck Lift	16.57	7.512
H2 fill; scf (approx)	268	
Burst Altitude; kft km	94.3	28.8

¹ www.aprs.fi/kc0d-14 (that is a zero)

² www.aprs.fi/ae0ss-13 (that is a zero)