

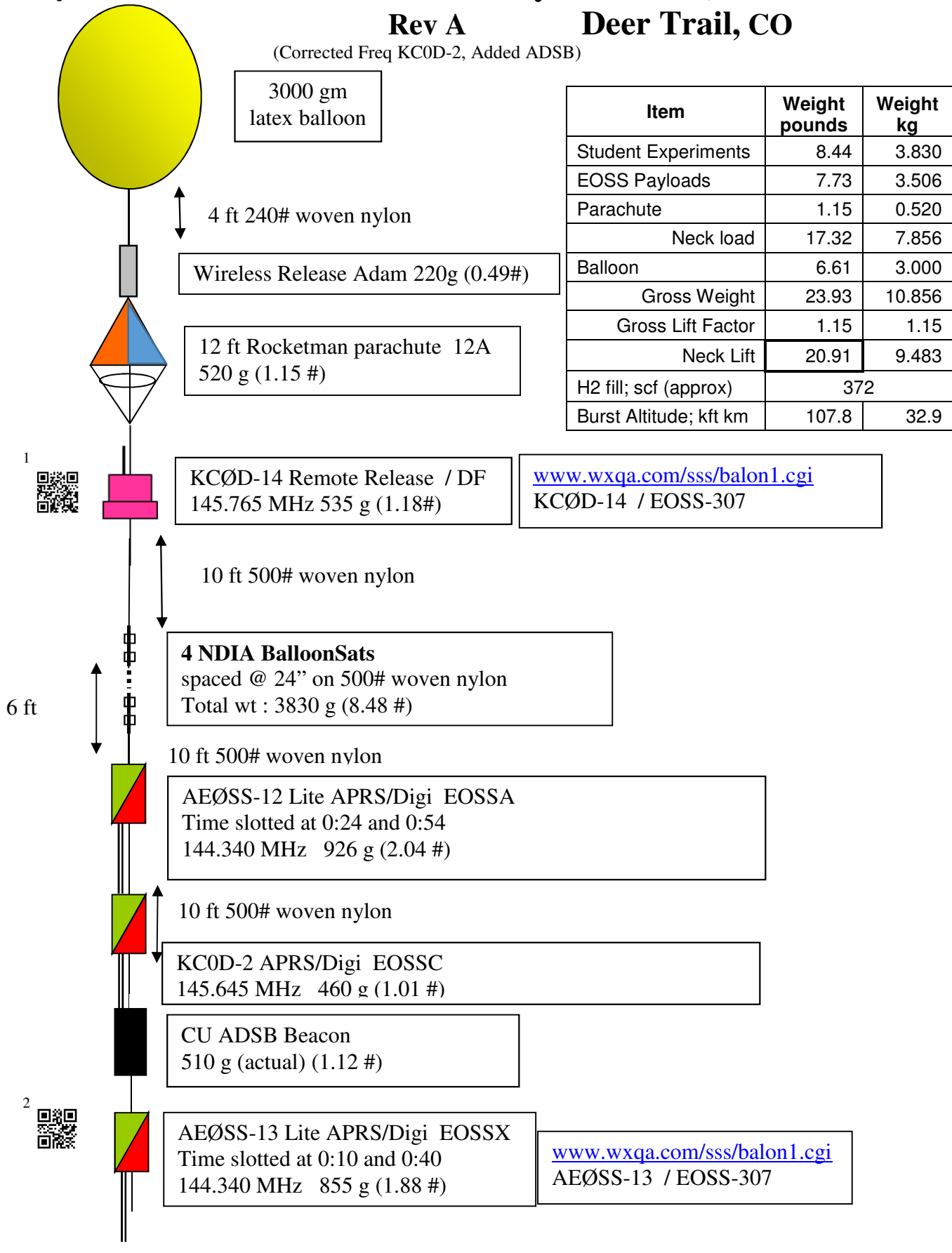
# Payload Plan

# EOSS-307 Heavy 0715 MDT, 20 MAR 2021

Rev A

Deer Trail, CO

(Corrected Freq KC0D-2, Added ADSB)



3000 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  
145.765 MHz 535 g (1.18#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-307

10 ft 500# woven nylon

4 NDIA BalloonSats  
spaced @ 24" on 500# woven nylon  
Total wt : 3830 g (8.48 #)

6 ft

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 #)

AEØSS-13 Lite APRS/Digi EOSSX  
Time slotted at 0:10 and 0:40  
144.340 MHz 855 g (1.88 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-13 / EOSS-307

Item	Weight pounds	Weight kg
Student Experiments	8.44	3.830
EOSS Payloads	7.73	3.506
Parachute	1.15	0.520
Neck load	17.32	7.856
Balloon	6.61	3.000
Gross Weight	23.93	10.856
Gross Lift Factor	1.15	1.15
Neck Lift	20.91	9.483
H2 fill; scf (approx)	372	
Burst Altitude; kft km	107.8	32.9