

Payload Plan

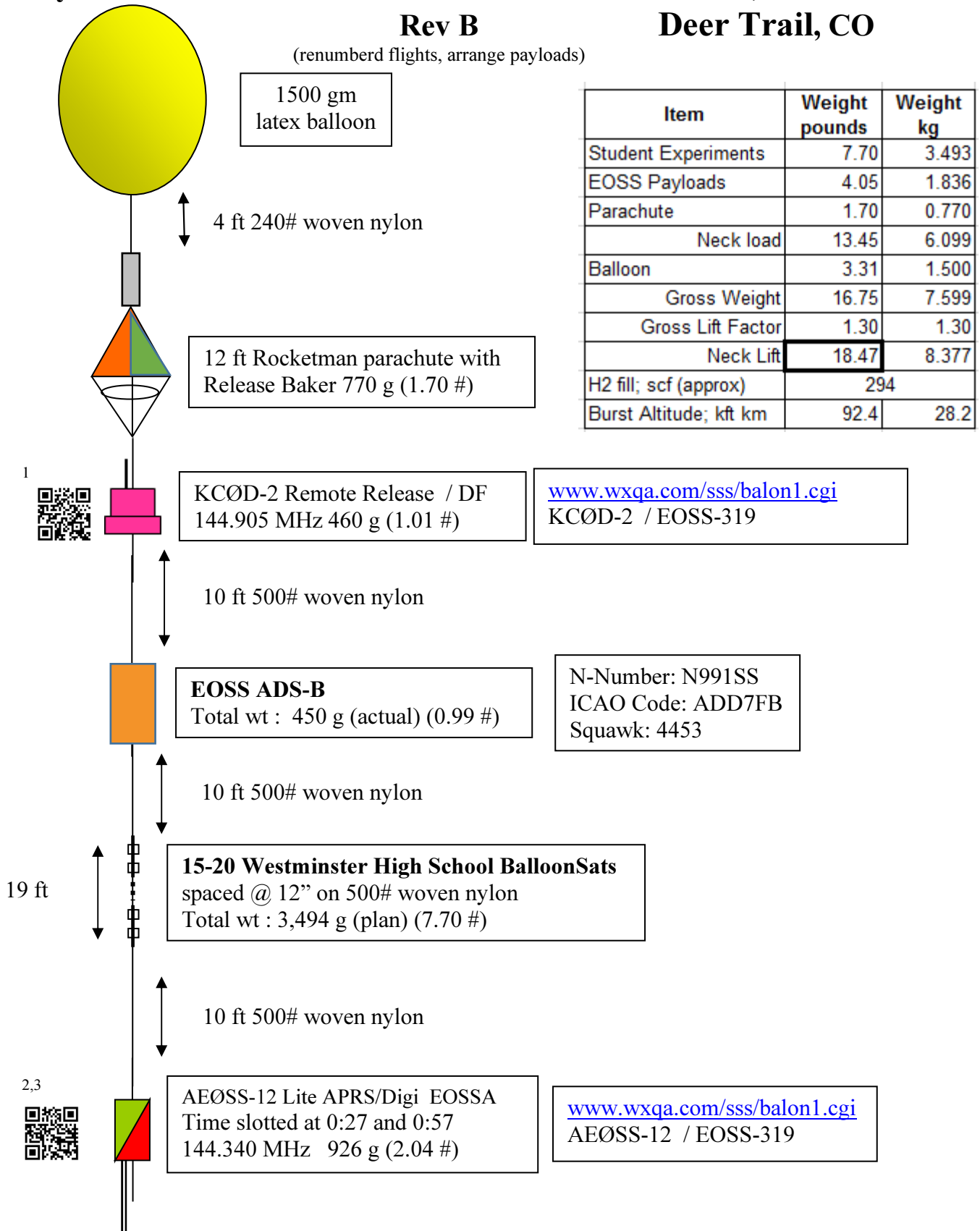
EOSS-319 Lite

0715 MST, 10 Dec 2021

Rev B

Deer Trail, CO

(renumberd flights, arrange payloads)



1500 gm latex balloon

4 ft 240# woven nylon

12 ft Rocketman parachute with Release Baker 770 g (1.70 #)

KCØD-2 Remote Release / DF 144.905 MHz 460 g (1.01 #)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-319

EOSS ADS-B
Total wt : 450 g (actual) (0.99 #)

N-Number: N991SS
ICAO Code: ADD7FB
Squawk: 4453

15-20 Westminster High School BalloonSats
spaced @ 12" on 500# woven nylon
Total wt : 3,494 g (plan) (7.70 #)

AEØSS-12 Lite APRS/Digi EOSSA
Time slotted at 0:27 and 0:57
144.340 MHz 926 g (2.04 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-319

Item	Weight pounds	Weight kg
Student Experiments	7.70	3.493
EOSS Payloads	4.05	1.836
Parachute	1.70	0.770
Neck load	13.45	6.099
Balloon	3.31	1.500
Gross Weight	16.75	7.599
Gross Lift Factor	1.30	1.30
Neck Lift	18.47	8.377
H2 fill; scf (approx)	294	
Burst Altitude; kft km	92.4	28.2

¹ www.aprs.fi/kc0d-2 (that is a zero)

² <http://www.aprs.fi/ae0ss-12> (that is a zero)

³ <https://track.eoss.org>