

Payload Plan

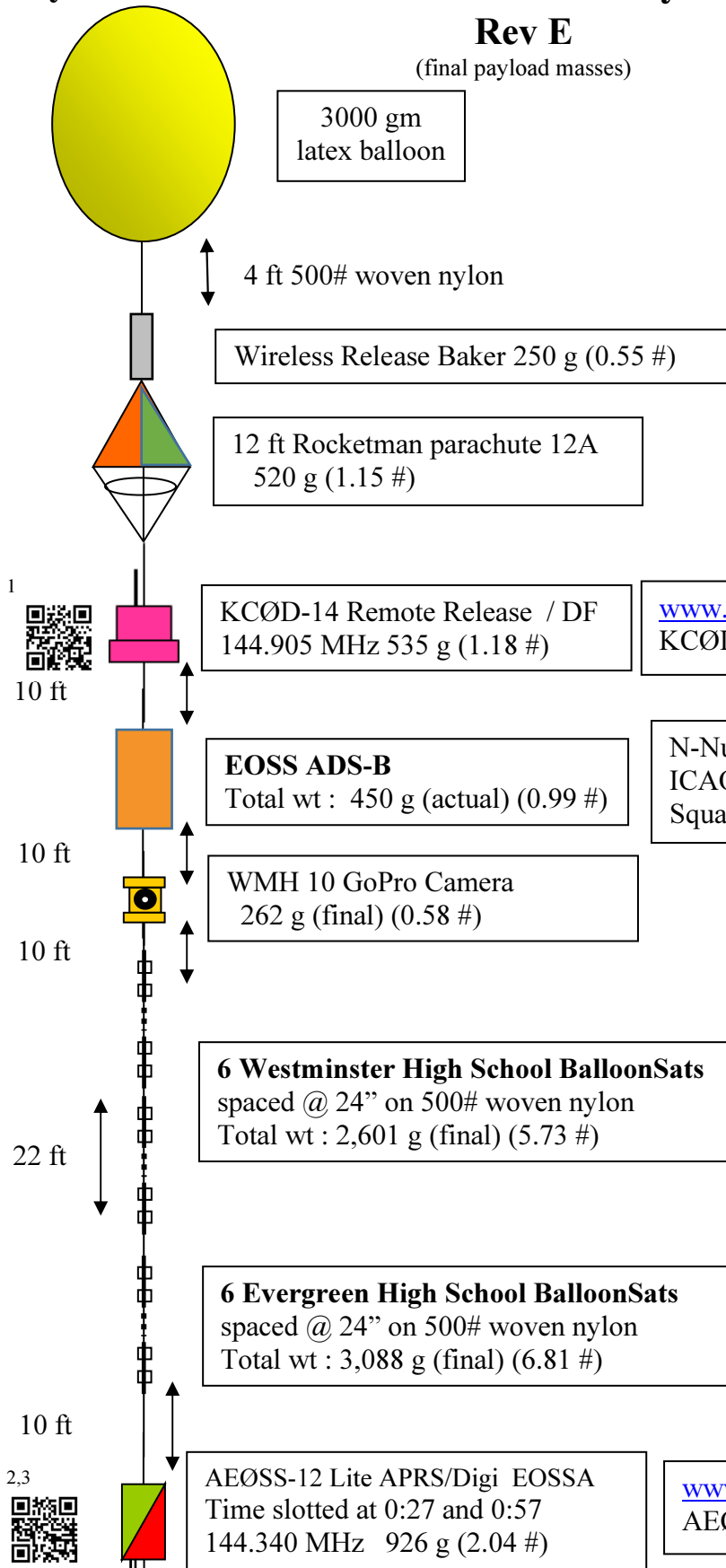
EOSS-319 Heavy

0715 MST, 28 Jan 2022

Rev E

Deer Trail, CO

(final payload masses)



3000 gm
latex balloon

4 ft 500# woven nylon

Wireless Release Baker 250 g (0.55 #)

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



KCØD-14 Remote Release / DF
144.905 MHz 535 g (1.18 #)

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-319

10 ft



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

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

10 ft



WMH 10 GoPro Camera
262 g (final) (0.58 #)

10 ft

22 ft

6 Westminster High School BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 2,601 g (final) (5.73 #)

- WHS 1 - Student Payload
- WHS 2 - Student Payload
- WHS 3 - Student Payload
- WHS 4 - Student Payload
- WHS 5 - Student Payload
- WHS 11 - Food Test Items

6 Evergreen High School BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 3,088 g (final) (6.81 #)

(All payloads)

10 ft



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	13.12	5.951
EOSS Payloads	4.77	2.165
Parachute	1.15	0.520
Neck load	19.04	8.636
Balloon	6.61	3.000
Gross Weight	25.65	11.636
Gross Lift Factor	1.20	1.20
Neck Lift	24.17	10.961
H2 fill; scf (approx)	416	
Burst Altitude; kft km	105.5	32.2

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>