

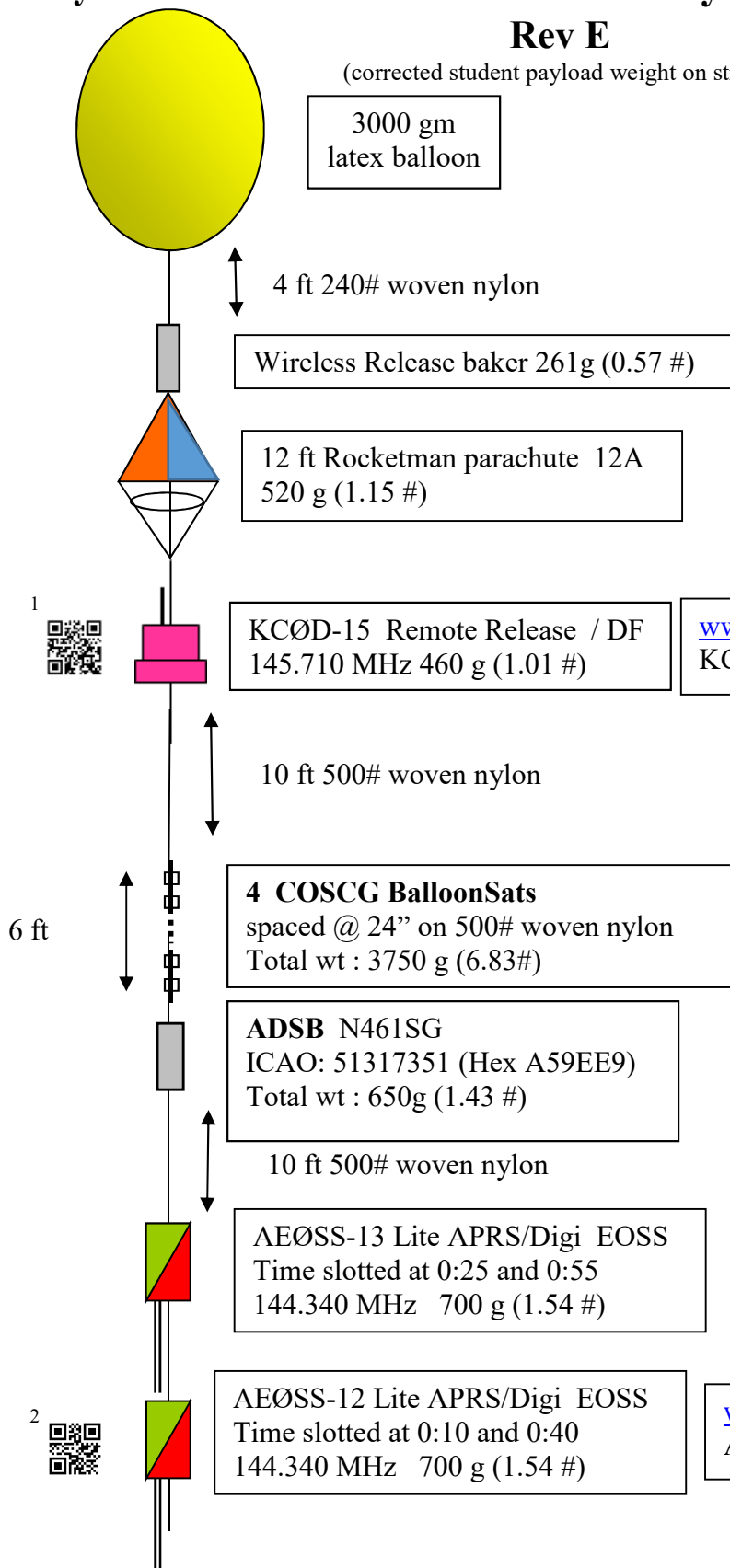
Payload Plan

EOSS-292 Heavy 0645 MDT, 27 July 2019

Rev E

Limon, CO

(corrected student payload weight on string)



Item	Weight pounds	Weight kg
Student Payloads	8.27	3.750
EOSS Payloads	4.71	2.135
Parachute	1.15	0.520
Neck load	14.12	6.405
Balloon	6.61	3.000
Gross Weight	20.73	9.405
Gross Lift Factor	1.15	1.150
Neck Lift	17.23	7.814
H2 fill; scf (approx)	322	
Burst Altitude; kft km	110.8	33.8

3000 gm latex balloon

4 ft 240# woven nylon
Wireless Release baker 261g (0.57 #)

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

KCØD-15 Remote Release / DF
145.710 MHz 460 g (1.01 #)
www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-292

6 ft
4 COSCG BalloonSats
spaced @ 24" on 500# woven nylon
Total wt : 3750 g (6.83#)

ADSB N461SG
ICAO: 51317351 (Hex A59EE9)
Total wt : 650g (1.43 #)
10 ft 500# woven nylon

AEØSS-13 Lite APRS/Digi EOSS
Time slotted at 0:25 and 0:55
144.340 MHz 700 g (1.54 #)

AEØSS-12 Lite APRS/Digi EOSS
Time slotted at 0:10 and 0:40
144.340 MHz 700 g (1.54 #)
www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-292

¹ www.aprs.fi/kc0d-15 (that is a zero)
² www.aprs.fi/ae0ss-12 (that is a zero)