

Payload Plan

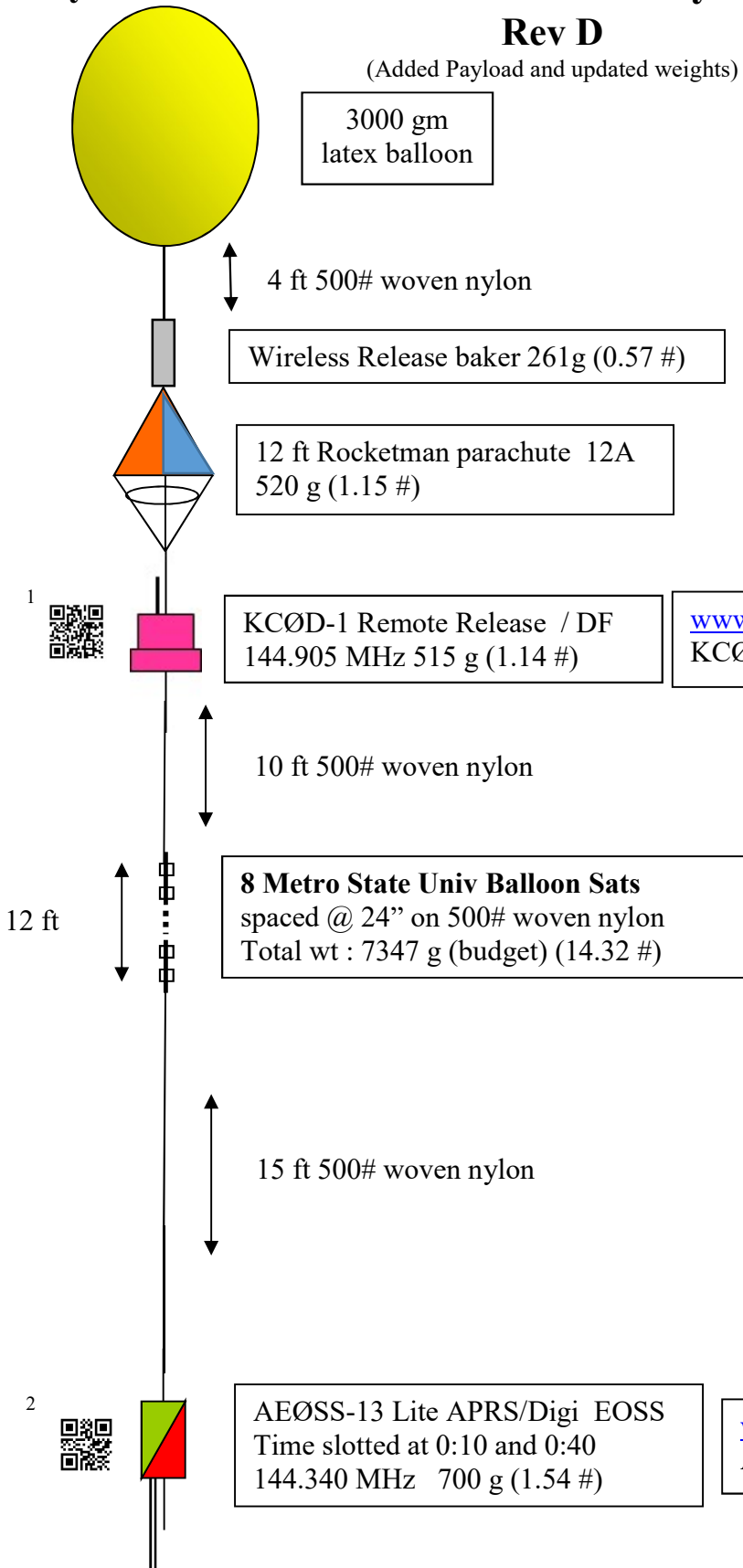
EOSS-280 Heavy

0700 MST, 4 NOV 2018

Rev D

Deer Trail, CO

(Added Payload and updated weights)



Item	Weight pounds	Weight kg
Student Payloads	16.20	7.347
EOSS Payloads	2.68	1.215
Parachute	1.15	0.520
Neck load	20.60	9.3426
Balloon	6.61	3.000
Gross Weight	27.21	12.3426
Gross Lift Factor	1.18	1.18
Neck Lift	25.49	11.562
H2 fill; scf (approx)	434	
Burst Altitude; kft km	104.6	31.9

3000 gm latex balloon

4 ft 500# woven nylon

Wireless Release baker 261g (0.57 #)

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

KCØD-1 Remote Release / DF 144.905 MHz 515 g (1.14 #)

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-280

10 ft 500# woven nylon

8 Metro State Univ Balloon Sats spaced @ 24" on 500# woven nylon Total wt : 7347 g (budget) (14.32 #)

15 ft 500# woven nylon

AEØSS-13 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-13 / EOSS-280

¹ www.aprs.fi/kc0d-1 (that is a zero)

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