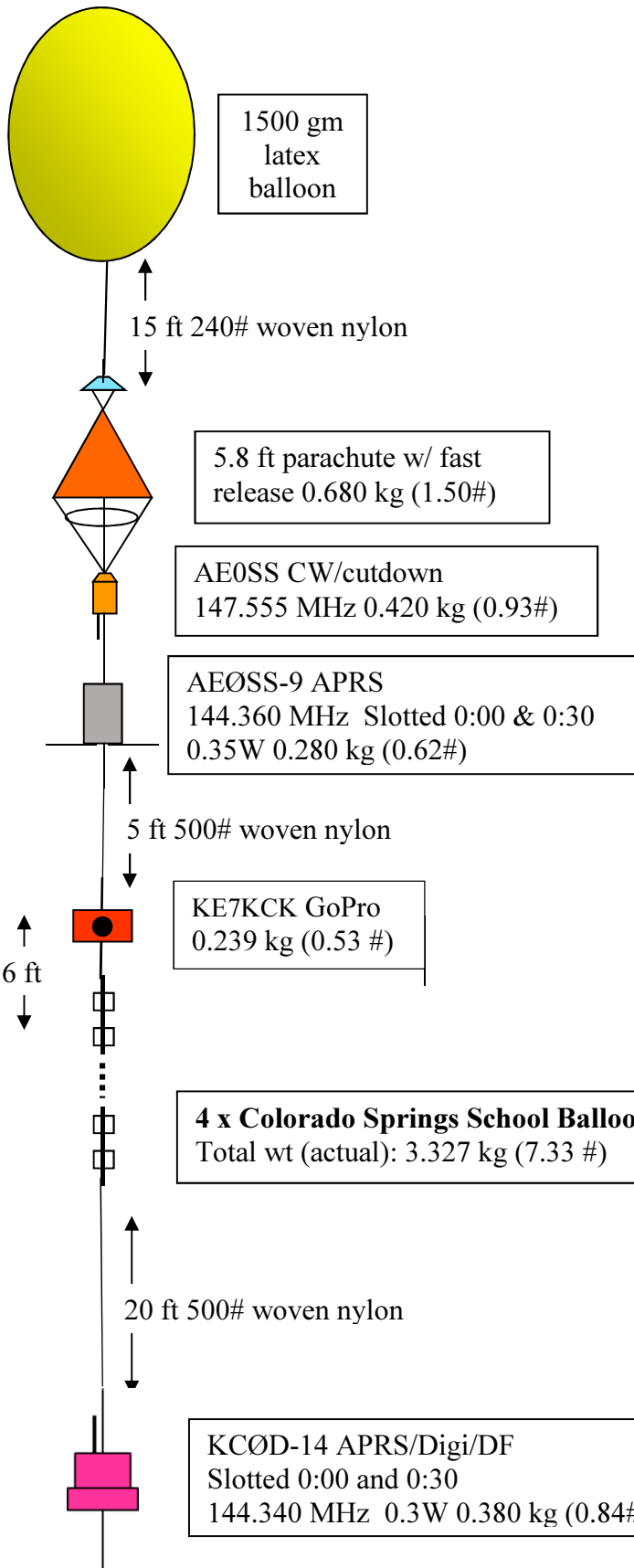


Payload Plan

EOSS-238 Rev D

0830 MST, 18 Mar 2017
Deer Trail, CO



1500 gm latex balloon

15 ft 240# woven nylon

5.8 ft parachute w/ fast release 0.680 kg (1.50#)

AEØSS CW/cutdown
147.555 MHz 0.420 kg (0.93#)

AEØSS-9 APRS
144.360 MHz Slotted 0:00 & 0:30
0.35W 0.280 kg (0.62#)

KE7KCK GoPro
0.239 kg (0.53 #)

4 x Colorado Springs School BalloonSats
Total wt (actual): 3.327 kg (7.33 #)

20 ft 500# woven nylon

KCØD-14 APRS/Digi/DF
Slotted 0:00 and 0:30
144.340 MHz 0.3W 0.380 kg (0.84#)

Item	Weight pounds	Weight kg
Student Payloads	7.86	3.566
EOSS Payloads	2.38	1.08
Parachute	1.50	0.680
Neck load	11.74	5.326
Balloon	3.31	1.500
Gross Weight	15.05	6.826
Gross Lift Factor	1.25	1.25
Neck Lift	15.50	7.031
H2 fill; scf (approx)	254	
Burst Altitude; kft km	95.5	29.1

www.wxqa.com/sss/balon1.cgi
AEØSS-9 / EOSS-238

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-238