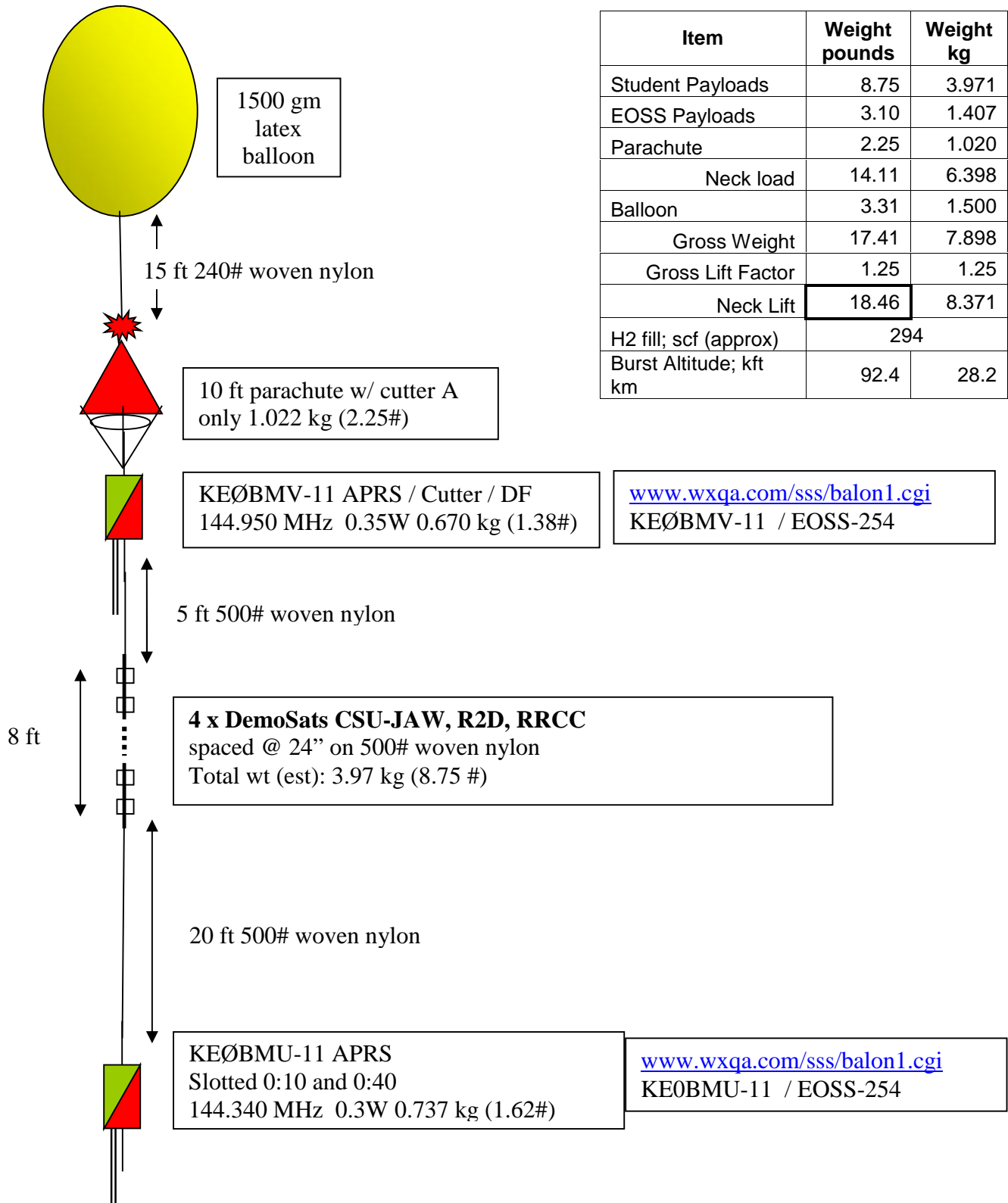


Payload Plan

EOSS-254 lite

0700 MDT, 15 JUL 2017

Rev C:swapped COSGC payloads Limon, CO



1500 gm latex balloon

15 ft 240# woven nylon

10 ft parachute w/ cutter A only 1.022 kg (2.25#)

KEØBMV-11 APRS / Cutter / DF
144.950 MHz 0.35W 0.670 kg (1.38#)

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-254

5 ft 500# woven nylon

8 ft

4 x DemoSats CSU-JAW, R2D, RRCC
spaced @ 24" on 500# woven nylon
Total wt (est): 3.97 kg (8.75 #)

20 ft 500# woven nylon

KEØBMU-11 APRS
Slotted 0:10 and 0:40
144.340 MHz 0.3W 0.737 kg (1.62#)

www.wxqa.com/sss/balon1.cgi
KEØBMU-11 / EOSS-254

Item	Weight pounds	Weight kg
Student Payloads	8.75	3.971
EOSS Payloads	3.10	1.407
Parachute	2.25	1.020
Neck load	14.11	6.398
Balloon	3.31	1.500
Gross Weight	17.41	7.898
Gross Lift Factor	1.25	1.25
Neck Lift	18.46	8.371
H2 fill; scf (approx)	294	
Burst Altitude; kft km	92.4	28.2