

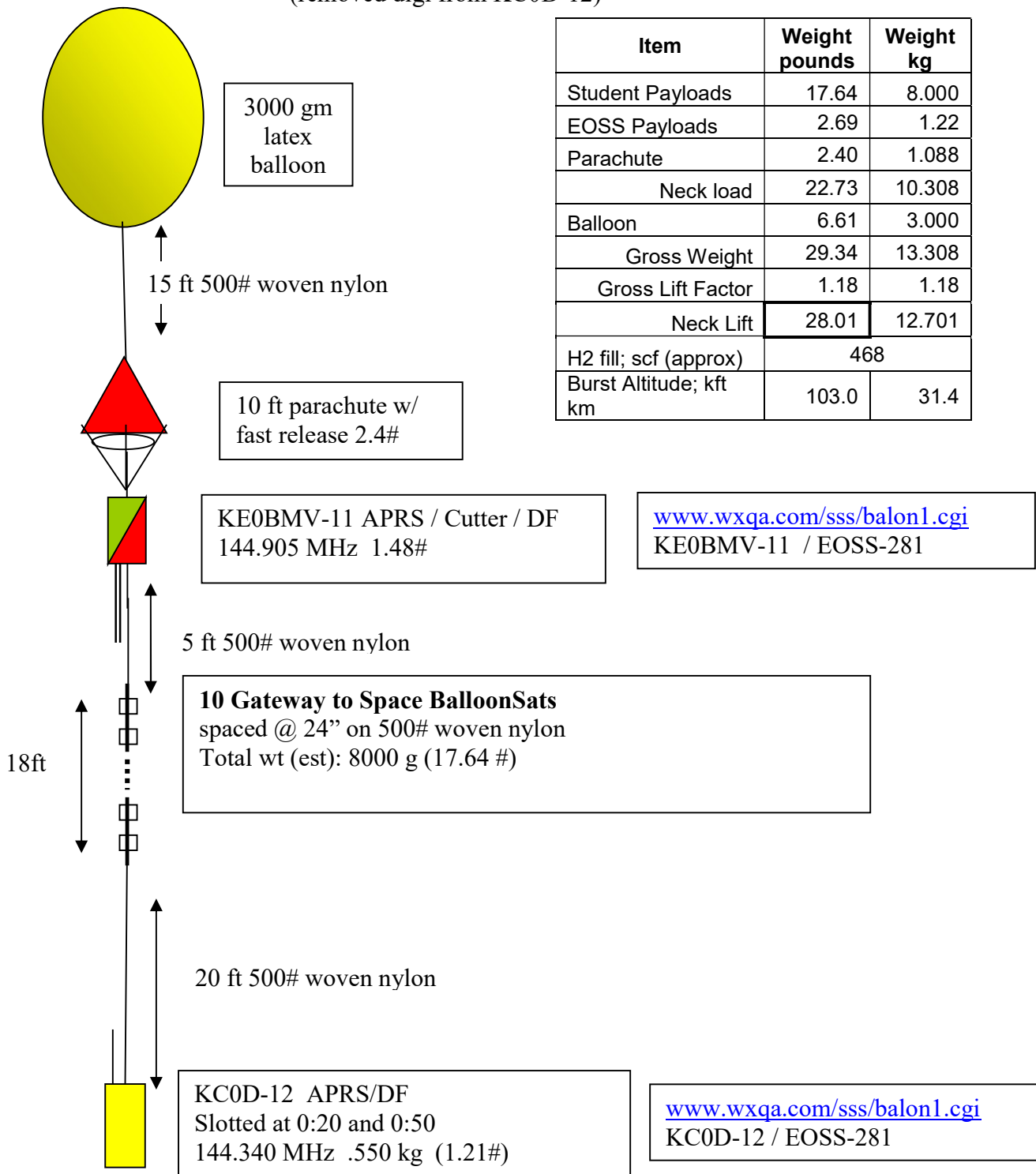
# Payload Plan

**EOSS-281 Heavy 0640 MDT, 10 Nov 2017**

**Rev A**

**Eaton, CO**

(removed digi from KC0D-12)



Item	Weight pounds	Weight kg
Student Payloads	17.64	8.000
EOSS Payloads	2.69	1.22
Parachute	2.40	1.088
Neck load	22.73	10.308
Balloon	6.61	3.000
Gross Weight	29.34	13.308
Gross Lift Factor	1.18	1.18
Neck Lift	28.01	12.701
H2 fill; scf (approx)	468	
Burst Altitude; kft km	103.0	31.4

3000 gm latex balloon

15 ft 500# woven nylon

10 ft parachute w/ fast release 2.4#

KE0BMV-11 APRS / Cutter / DF  
144.905 MHz 1.48#

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KE0BMV-11 / EOSS-281

5 ft 500# woven nylon

**10 Gateway to Space BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt (est): 8000 g (17.64 #)

18ft

20 ft 500# woven nylon

KC0D-12 APRS/DF  
Slotted at 0:20 and 0:50  
144.340 MHz .550 kg (1.21#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KC0D-12 / EOSS-281