

Payload Plan

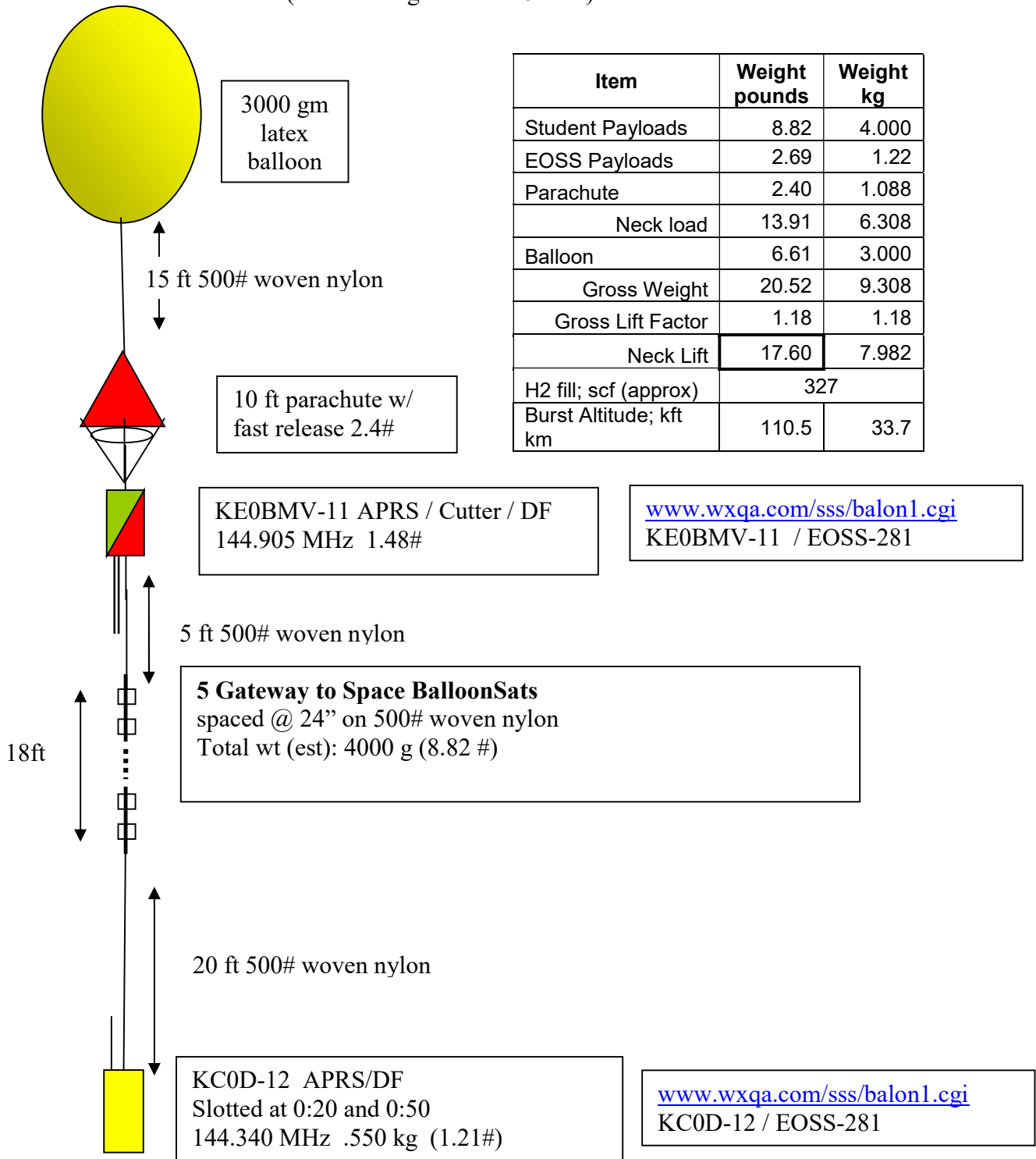
EOSS-281 Lite

0640 MDT, 10 Nov 2017

Rev A

Eaton, CO

(removed digi from KC0D-12)



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
KE0BMV-11 / EOSS-281

5 ft 500# woven nylon

5 Gateway to Space BalloonSats
spaced @ 24" on 500# woven nylon
Total wt (est): 4000 g (8.82 #)

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
KC0D-12 / EOSS-281

Item	Weight pounds	Weight kg
Student Payloads	8.82	4.000
EOSS Payloads	2.69	1.22
Parachute	2.40	1.088
Neck load	13.91	6.308
Balloon	6.61	3.000
Gross Weight	20.52	9.308
Gross Lift Factor	1.18	1.18
Neck Lift	17.60	7.982
H2 fill; scf (approx)	327	
Burst Altitude; kft km	110.5	33.7