

Payload Plan

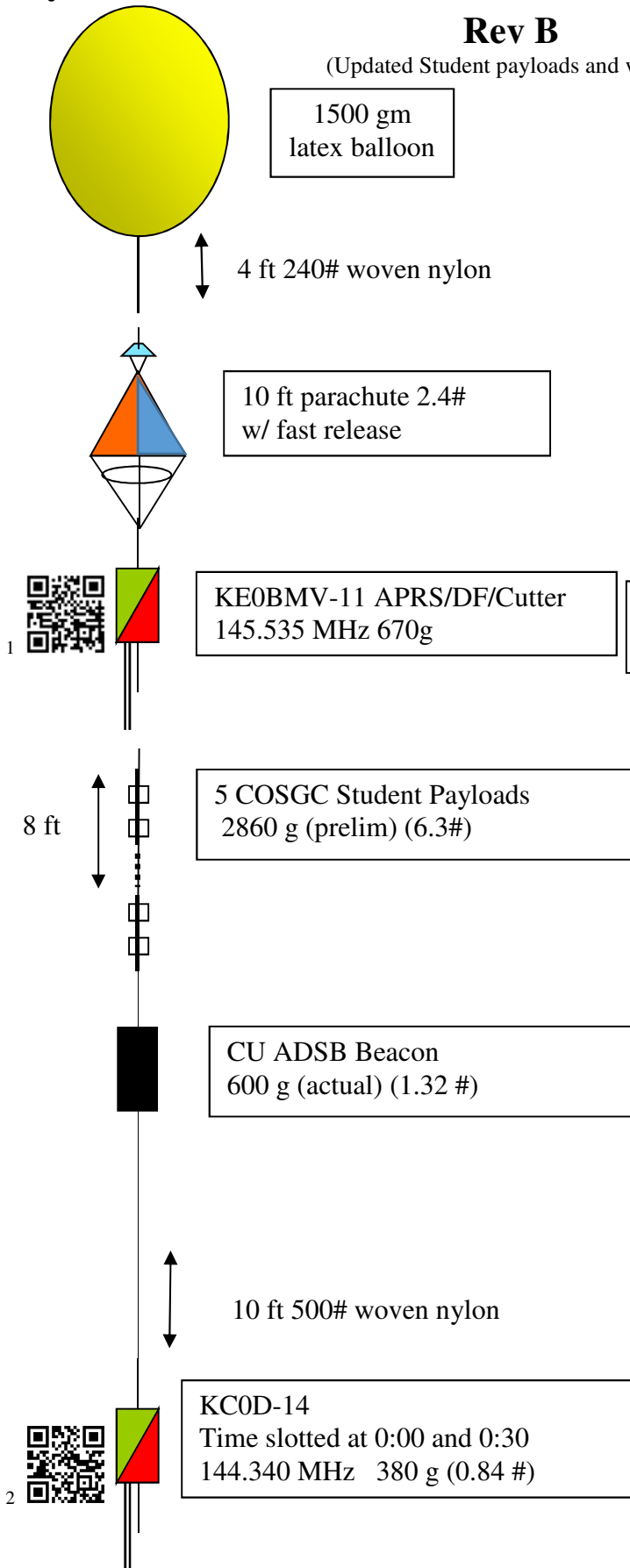
EOSS-286 Lite

0710 MDT, 6 April 2019

Rev B

Eaton, CO

(Updated Student payloads and weight)



1500 gm
latex balloon

4 ft 240# woven nylon

10 ft parachute 2.4#
w/ fast release

KE0BMV-11 APRS/DF/Cutter
145.535 MHz 670g

5 COSGC Student Payloads
2860 g (prelim) (6.3#)

CU ADSB Beacon
600 g (actual) (1.32 #)

KC0D-14
Time slotted at 0:00 and 0:30
144.340 MHz 380 g (0.84 #)

Item	Weight pounds	Weight kg
Student Payloads	7.63	3.460
EOSS Payloads	3.63	1.645
Parachute	2.40	1.088
Neck load	13.65	6.193
Balloon	3.31	1.500
Gross Weight	16.96	7.693
Gross Lift Factor	1.25	1.250
Neck Lift	17.89	8.115
H2 fill; scf (approx)	286	
Burst Altitude; kft km	93.0	28.3

www.wxqa.com/sss/balon1.cgi
KE0BMV-11 / EOSS-286

www.wxqa.com/sss/balon1.cgi
K0SCC-14 / EOSS-286

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