

Payload Plan

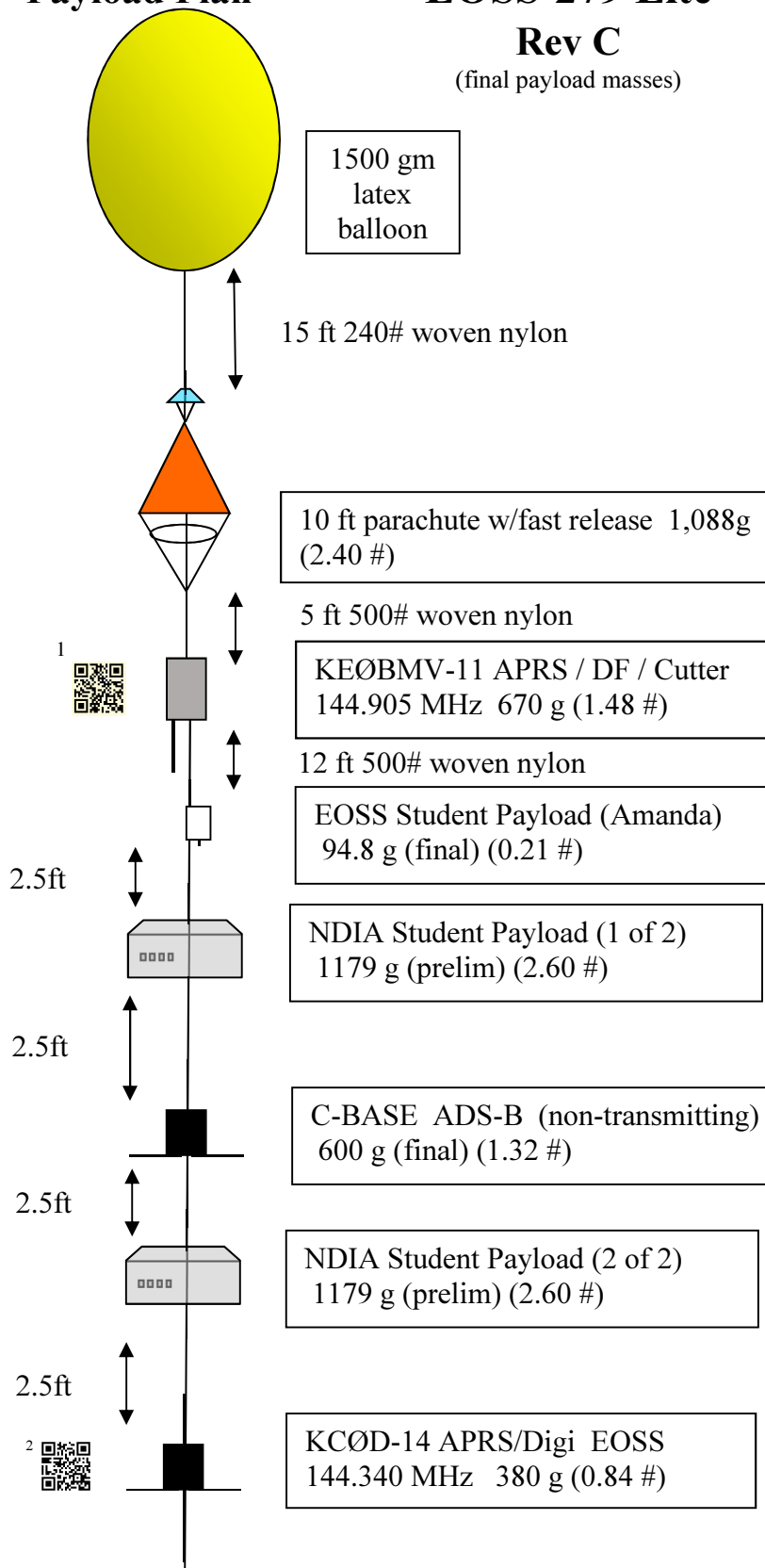
EOSS-279 Lite

Rev C

(final payload masses)

0800 MDT, 13 Oct 2018

Deer Trail, CO



1500 gm latex balloon

15 ft 240# woven nylon

10 ft parachute w/fast release 1,088g (2.40 #)

5 ft 500# woven nylon

KEØBMV-11 APRS / DF / Cutter
144.905 MHz 670 g (1.48 #)

12 ft 500# woven nylon

EOSS Student Payload (Amanda)
94.8 g (final) (0.21 #)

NDIA Student Payload (1 of 2)
1179 g (prelim) (2.60 #)

C-BASE ADS-B (non-transmitting)
600 g (final) (1.32 #)

NDIA Student Payload (2 of 2)
1179 g (prelim) (2.60 #)

KCØD-14 APRS/Digi EOSS
144.340 MHz 380 g (0.84 #)

Item	Weight pounds	Weight kg
Student Payloads	6.52	2.959
EOSS Payloads	2.52	1.1448
Parachute	2.40	1.088
Neck load	11.45	5.19148
Balloon	3.31	1.500
Gross Weight	14.75	6.69148
Gross Lift Factor	1.25	1.25
Neck Lift	15.13	6.863
H2 fill; scf (approx)	249	
Burst Altitude; kft km	95.9	29.2

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-279

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-279

¹ <http://aprs.fi/ke0bmv-11> (that is a zero)

² <http://aprs.fi/kc0d-14> (that is a zero)