

Payload Plan

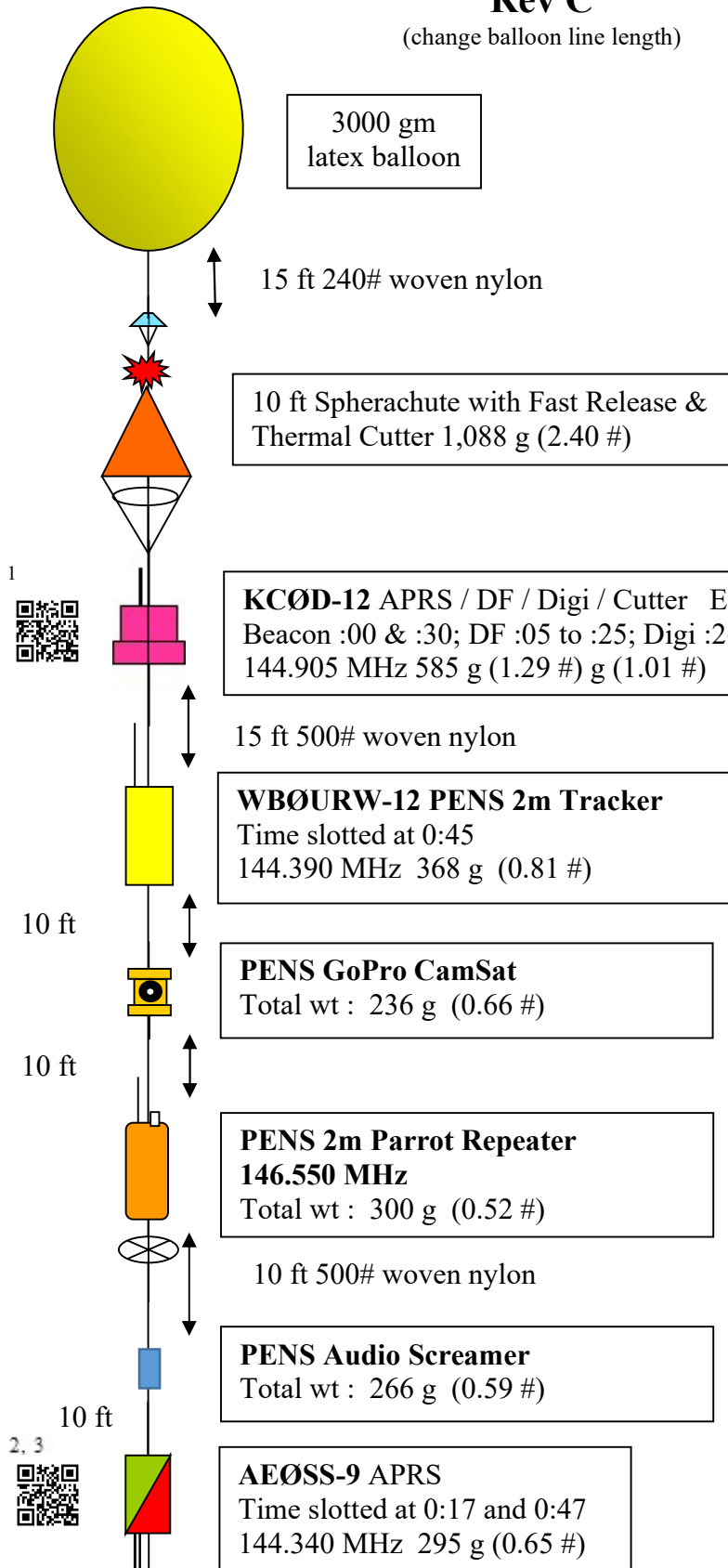
EOSS-343 GPSL

0800 CDT, 17 Jun 2023

Rev C

Huntsville, AL

(change balloon line length)



3000 gm latex balloon

15 ft 240# woven nylon

10 ft Spherachute with Fast Release & Thermal Cutter 1,088 g (2.40 #)

KCØD-12 APRS / DF / Digi / Cutter EOSSC
 Beacon :00 & :30; DF :05 to :25; Digi :26 to :59
 144.905 MHz 585 g (1.29 #) g (1.01 #)

15 ft 500# woven nylon

WBØURW-12 PENS 2m Tracker
 Time slotted at 0:45
 144.390 MHz 368 g (0.81 #)

PENS GoPro CamSat
 Total wt : 236 g (0.66 #)

PENS 2m Parrot Repeater
 146.550 MHz
 Total wt : 300 g (0.52 #)

10 ft 500# woven nylon

PENS Audio Screamer
 Total wt : 266 g (0.59 #)

AEØSS-9 APRS
 Time slotted at 0:17 and 0:47
 144.340 MHz 295 g (0.65 #)

Item	Weight pounds	Weight kg
Student Experiments	3.13	1.420
EOSS Payloads	2.87	1.300
Parachute	2.40	1.088
Neck load	8.40	3.808
Balloon	6.61	3.000
Gross Weight	15.01	6.808
Gross Lift Factor	1.20	1.20
Neck Lift	11.40	5.169
H2 fill; scf (approx)	243	
Burst Altitude; kft km	116.7	35.6

¹ www.aprs.fi/ke0bmv-11 (that is a zero)

² <http://www.aprs.fi/ae0ss-9> (that is a zero)

³ <https://track.eoss.org>