

Payload Plan

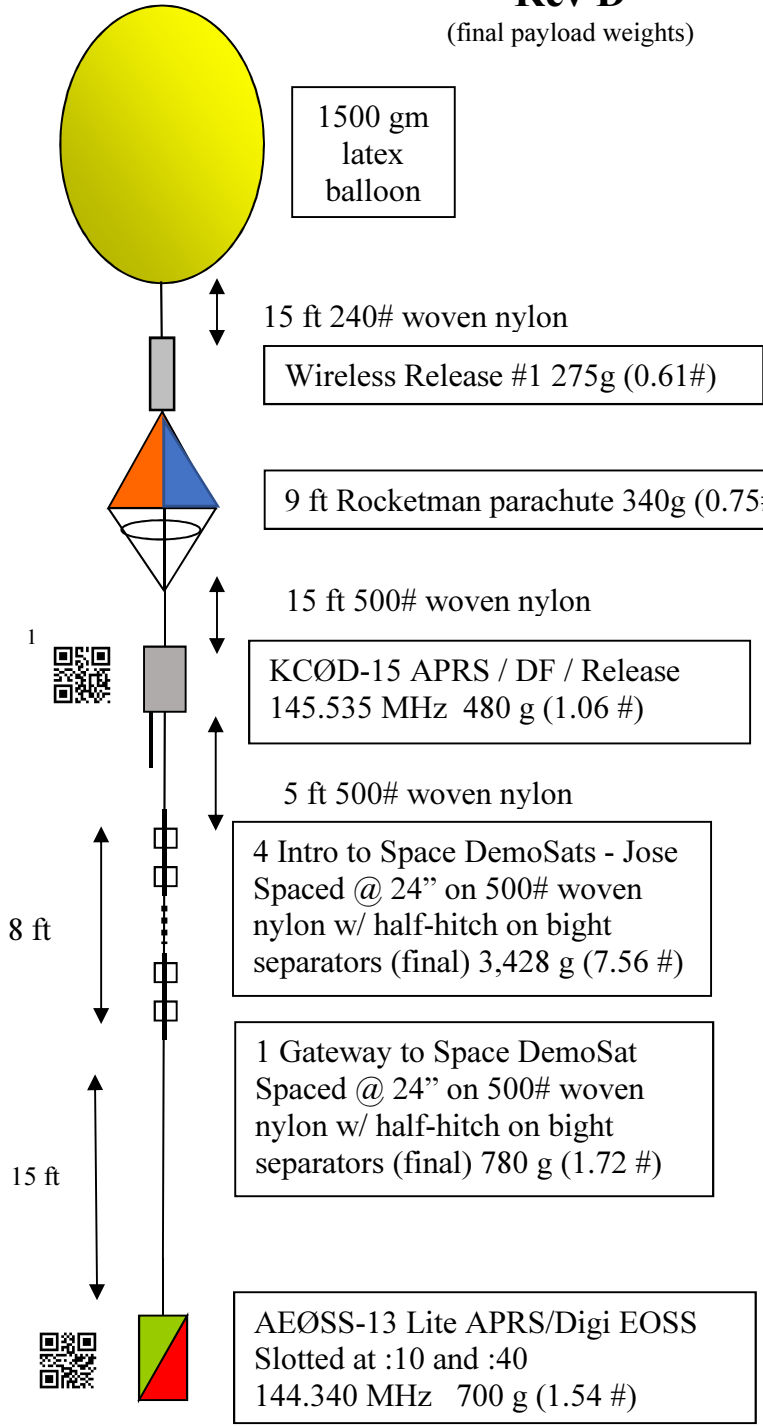
EOSS-274 Lite

0735 MDT, 15 Apr 2018

Rev D

Wiggins, CO

(final payload weights)



1500 gm latex balloon

15 ft 240# woven nylon
Wireless Release #1 275g (0.61#)

9 ft Rocketman parachute 340g (0.75#)

15 ft 500# woven nylon
KCØD-15 APRS / DF / Release
145.535 MHz 480 g (1.06 #)

5 ft 500# woven nylon
4 Intro to Space DemoSats - Jose Spaced @ 24" on 500# woven nylon w/ half-hitch on bight separators (final) 3,428 g (7.56 #)

1 Gateway to Space DemoSat Spaced @ 24" on 500# woven nylon w/ half-hitch on bight separators (final) 780 g (1.72 #)

AEØSS-13 Lite APRS/Digi EOSS Slotted at :10 and :40
144.340 MHz 700 g (1.54 #)

Item	Weight pounds	Weight kg
Student Payloads	9.28	4.208
EOSS Payloads	2.60	1.18
Parachute	0.75	0.340
Neck load	13.23	6.003
Balloon	3.31	1.500
Gross Weight	16.54	7.503
Gross Lift Factor	1.25	1.25
Neck Lift	17.37	7.877
H2 fill; scf (approx)	279	
Burst Altitude; kft km	93.5	28.5

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-273

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-273

¹ <http://aprs.fi/kc0d-15> (that is a zero)
<http://aprs.fi/ae0ss-13> (that is a zero)