

Payload Plan

EOSS-334 Lite

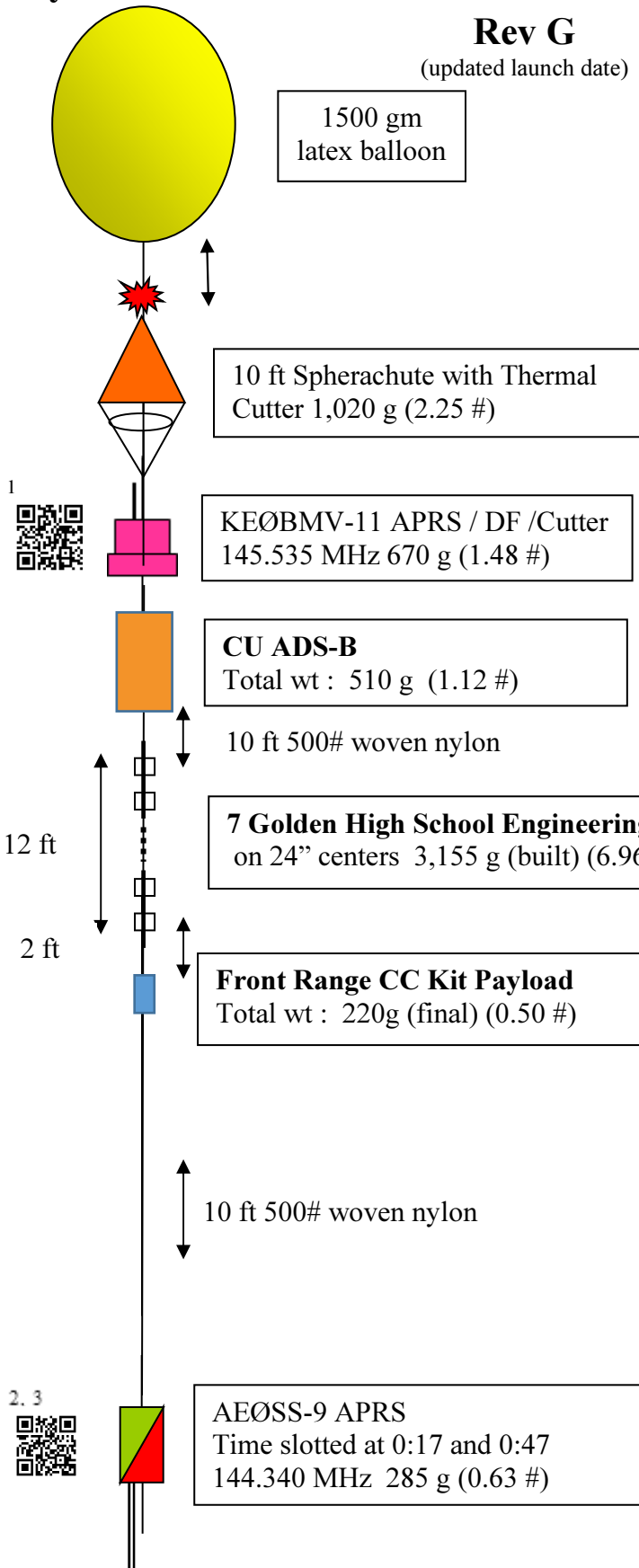
0750 MST, 14 Jan 2023

Rev G

Deer Trail, CO

(updated launch date)

Item	Weight pounds	Weight kg
Student Experiments	7.46	3.382
EOSS Payloads	3.23	1.465
Parachute	2.25	1.020
Neck load	12.93	5.867
Balloon	3.31	1.500
Gross Weight	16.24	7.367
Gross Lift Factor	1.30	1.30
Neck Lift	17.81	8.076
H2 fill; scf (approx)	285	
Burst Altitude; kft km	93.1	28.4



1500 gm latex balloon

10 ft Spherachute with Thermal Cutter 1,020 g (2.25 #)

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

www.wxqa.com/sss/balon1.cgi
KEØBMV-11 / EOSS-334

CU ADS-B
Total wt : 510 g (1.12 #)

N-Number: N461SG
ICAO Code: A59EE9
Squawk: 4453

10 ft 500# woven nylon

12 ft
7 Golden High School Engineering Payloads
on 24" centers 3,155 g (built) (6.96 #)

2 ft
Front Range CC Kit Payload
Total wt : 220g (final) (0.50 #)

10 ft 500# woven nylon

2. 3
AEØSS-9 APRS
Time slotted at 0:17 and 0:47
144.340 MHz 285 g (0.63 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-9 / EOSS-334

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>