

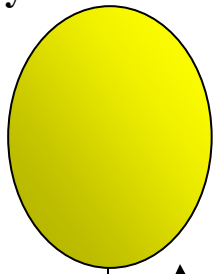
# Payload Plan

# EOSS-308 HEAVY 0640 MDT, 03 Apr 2021

Rev D

Deer Trail, CO

(combine 308H & 309L, final payload masses)



3000 gm latex balloon

4 ft 500# woven nylon

Wireless Release Charlie 240g (0.53 #)

12 ft Rocketman parachute 12A  
520 g (1.15 #)

1



KCØD-3 Remote Release / DF  
144.905 MHz 420 g (0.93 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-3 / EOSS-308

10 ft 500# woven nylon

CU ADS-B  
510 g (actual) (1.12 #)

ICAO Code: A59EE9  
N-Number: N461SG

15 ft 500# woven nylon

**7 COSGC DemoSats (ACC DemoSat at top)**  
spaced @ 6' on 500# woven nylon  
Total wt : 5,464 g (final) (12.05 #)

62 ft

**13 Virtual Workshop Teaching Payloads**  
spaced @ 24" on 500# woven nylon  
Total wt: 3,008 g (final) (6.63 #)

10 ft 500# woven nylon

2



AEØSS-12 Lite APRS/Digi EOSSA  
Time slotted at 0:24 and 0:54  
144.340 MHz 930 g (2.05 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-12 / EOSS-308

Item	Weight pounds	Weight kg
Student Experiments	18.68	8.472
EOSS Payloads	4.63	2.100
Parachute	1.15	0.520
Neck load	24.45	11.092
Balloon	6.61	3.000
Gross Weight	31.07	14.092
Gross Lift Factor	1.20	1.20
Neck Lift	30.67	13.908
H2 fill; scf (approx)	504	
Burst Altitude; kft km	101.4	30.9

<sup>1</sup> [www.aprs.fi/kc0d-3](http://www.aprs.fi/kc0d-3) (that is a zero)

<sup>2</sup> [www.aprs.fi/ae0ss-12](http://www.aprs.fi/ae0ss-12) (that is a zero)