

Payload Plan

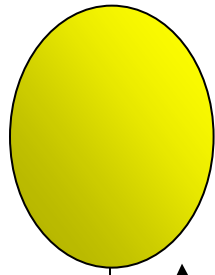
EOSS-300

0800 MDT, 11 July 2020

Rev E

Crow Valley, CO

UV experiment final weight



1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.48 #)



12 ft Rocketman parachute 520g (1.15 #)



KCØD-1 Remote Release / DF 145.765 MHz 520g (1.15 #) Paired with Release Adam

www.wxqa.com/sss/balon1.cgi
KCØD-1 / EOSS-300

15 ft 500# woven nylon

C-BASE ADS-B 485 g (1.07 #)

ICAO Code: A59EE9
N-Number: N461SG

MyV-youV UV Experiment 55 g (.12 #)

Use 10 ft 500# woven nylon between all payloads



Tethered Wireless Release Charlie 230g (.51#) Paired with KCØD-3



KCØD-3 Qualification 144.905 MHz 365g (0.805 #)



Tethered Wireless Release Baker 261g (.57#) Paired with KCØD-2



KCØD-2 Firmware Qualification 145.645 MHz 460g (1.01 #)



AEØSS-13 Lite APRS/Digi EOSSA Time slotted at 0:27 and 0:57 144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-13 / EOSS-300

Item	Weight pounds	Weight kg
UV Experiment	0.12	0.055
EOSS Payloads	6.66	3.0206
Parachute	1.63	0.740
Neck load	8.41	3.8156
Balloon	3.31	1.500
Gross Weight	11.72	5.3156
Gross Lift Factor	1.25	1.25
Neck Lift	11.34	5.144
H2 fill; scf (approx)	198	
Burst Altitude; kft km	100.8	30.7