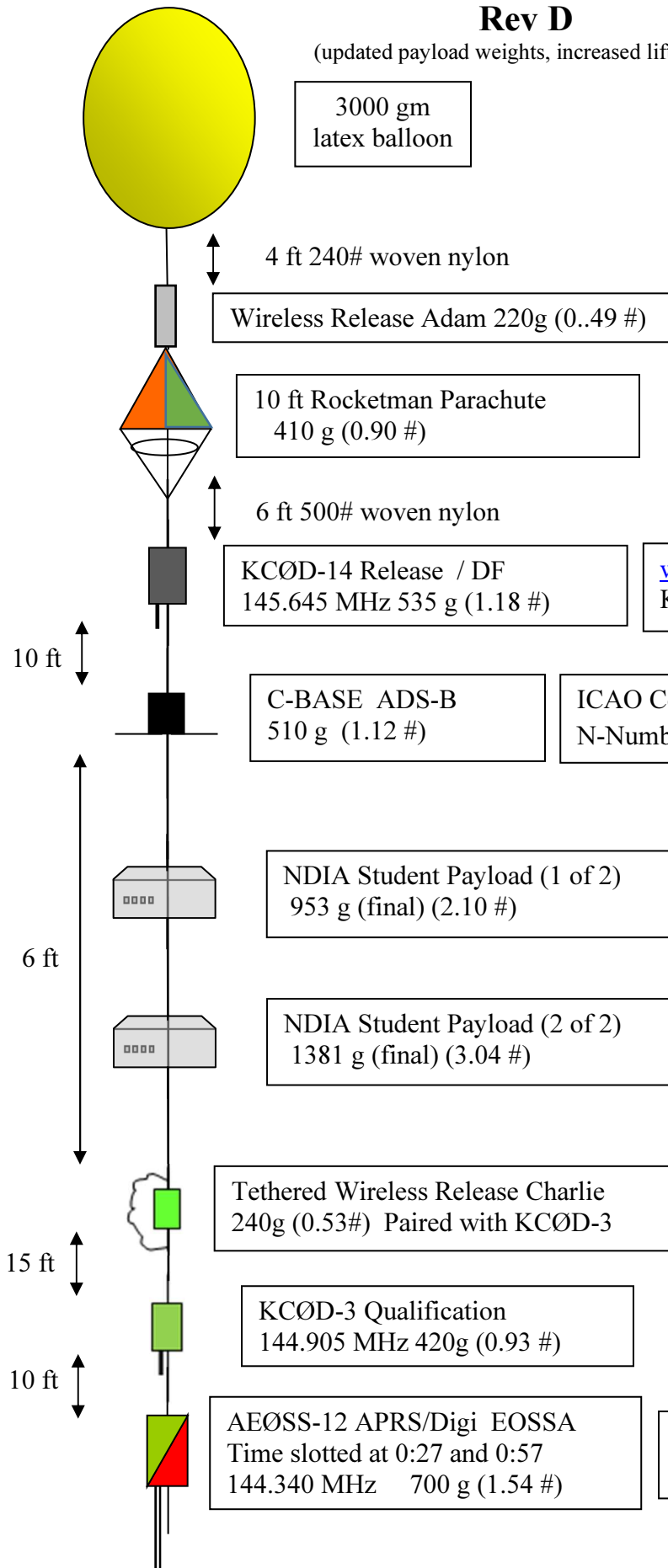


Payload Plan

EOSS-302 Lite Rev D

0830 MDT, 03 Oct 2020
Deer Trail, CO

(updated payload weights, increased lift factor)



3000 gm
latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.49 #)

10 ft Rocketman Parachute
410 g (0.90 #)

6 ft 500# woven nylon

KCØD-14 Release / DF
145.645 MHz 535 g (1.18 #)

C-BASE ADS-B
510 g (1.12 #)

ICAO Code: A59EE9
N-Number: N461SG

NDIA Student Payload (1 of 2)
953 g (final) (2.10 #)

NDIA Student Payload (2 of 2)
1381 g (final) (3.04 #)

Tethered Wireless Release Charlie
240g (0.53#) Paired with KCØD-3

KCØD-3 Qualification
144.905 MHz 420g (0.93 #)

AEØSS-12 APRS/Digi EOSSA
Time slotted at 0:27 and 0:57
144.340 MHz 700 g (1.54 #)

Item	Weight pounds	Weight kg
Student Experiments	5.14	2.333
EOSS Payloads	5.30	2.405
Parachute	1.39	0.630
Neck load	11.83	5.368
Balloon	6.61	3.000
Gross Weight	18.45	8.368
Gross Lift Factor	1.30	1.30
Neck Lift	17.37	7.877
H2 fill; scf (approx)	324	
Burst Altitude; kft km	110.7	33.7

www.wxqa.com/sss/balon1.cgi
KCØD-14 / EOSS-302

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-302