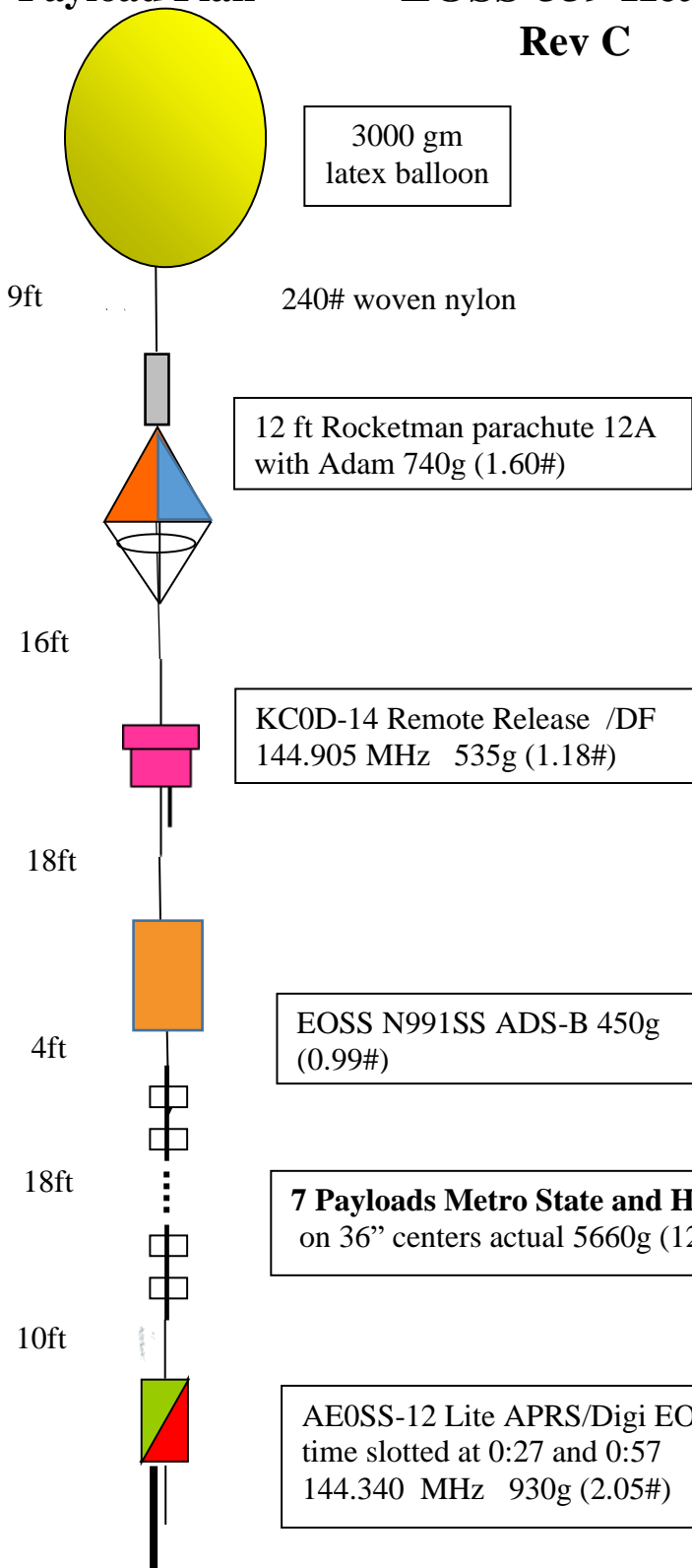


Payload Plan

EOSS-339 Heavy 0700 MDT, 22 April 2023 Rev C Deer Trail, CO



3000 gm
latex balloon

240# woven nylon

12 ft Rocketman parachute 12A
with Adam 740g (1.60#)

KC0D-14 Remote Release /DF
144.905 MHz 535g (1.18#)

EOSS N991SS ADS-B 450g
(0.99#)

7 Payloads Metro State and HS
on 36" centers actual 5660g (12.47#)

AE0SS-12 Lite APRS/Digi EOSSA
time slotted at 0:27 and 0:57
144.340 MHz 930g (2.05#)

Item	Weight pounds	Weight kg
Student Experiments	12.48	5.660
EOSS Payloads	4.71	2.135
Parachute	1.15	0.520
Neck load	18.33	8.315
Balloon	6.61	3.000
Gross Weight	24.95	11.315
Gross Lift Factor	1.20	1.20
Neck Lift	23.32	10.576
H2 fill; scf (approx)	404	
Burst Altitude; kft km	106.1	32.3

www.wxqa.com/sss/balon1.cgi
KC0D-14 / EOSS-339

N-Number: N991SS
ICAO Code: ADD7FB
Squawk: 4453

www.wxqa.com/sss/balon1.cgi
AE0SS-12 / EOSS-339