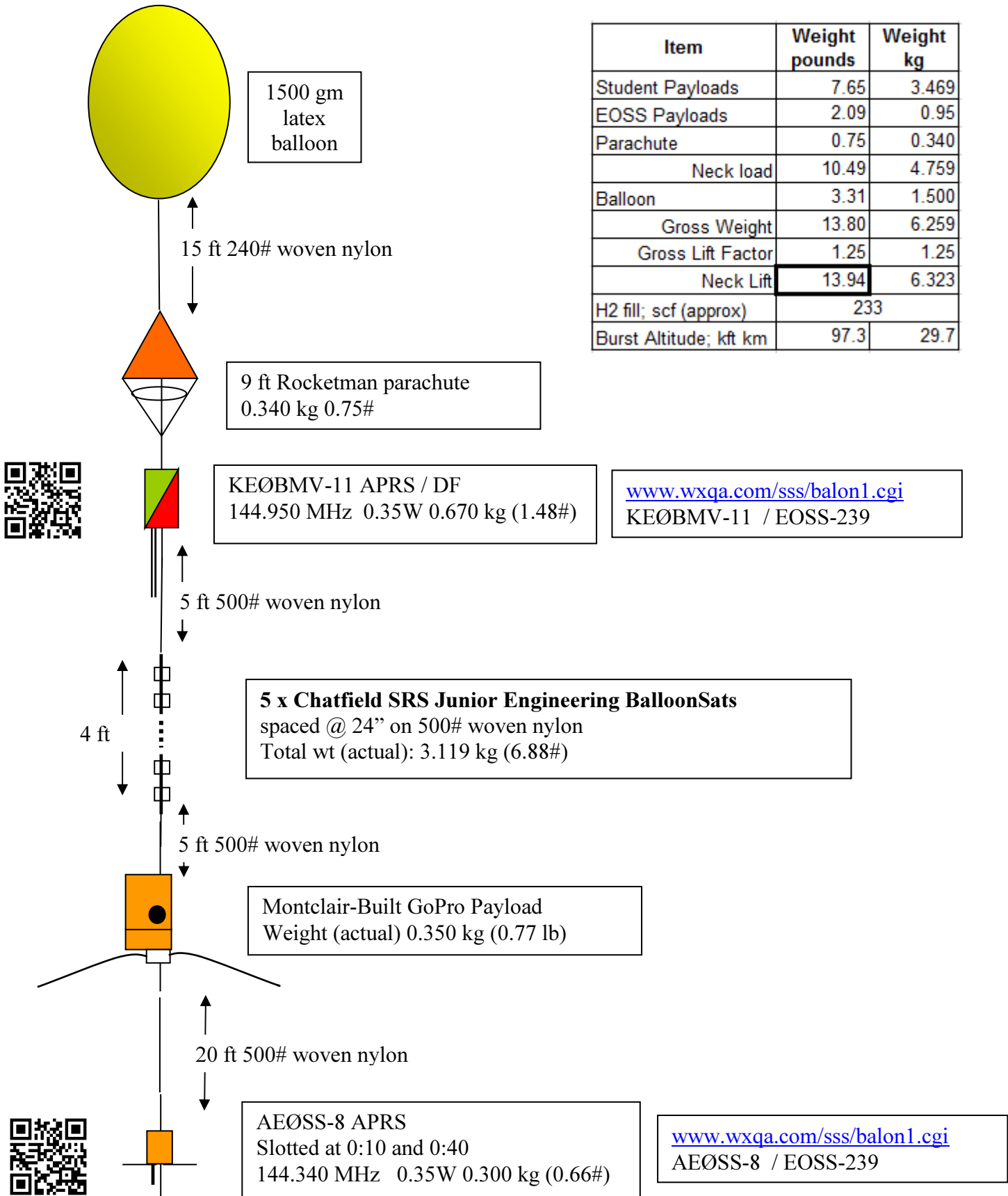


# Payload Plan

**EOSS-239 lite 0845 MDT, 18 March 2017**  
**Rev D Deer Trail, CO**



1500 gm latex balloon

15 ft 240# woven nylon

9 ft Rocketman parachute  
0.340 kg 0.75#

KEØBMV-11 APRS / DF  
144.950 MHz 0.35W 0.670 kg (1.48#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KEØBMV-11 / EOSS-239

5 ft 500# woven nylon

**5 x Chatfield SRS Junior Engineering BalloonSats**  
spaced @ 24" on 500# woven nylon  
Total wt (actual): 3.119 kg (6.88#)

4 ft

5 ft 500# woven nylon

Montclair-Built GoPro Payload  
Weight (actual) 0.350 kg (0.77 lb)

20 ft 500# woven nylon

AEØSS-8 APRS  
Slotted at 0:10 and 0:40  
144.340 MHz 0.35W 0.300 kg (0.66#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-8 / EOSS-239

Item	Weight pounds	Weight kg
Student Payloads	7.65	3.469
EOSS Payloads	2.09	0.95
Parachute	0.75	0.340
Neck load	10.49	4.759
Balloon	3.31	1.500
Gross Weight	13.80	6.259
Gross Lift Factor	1.25	1.25
Neck Lift	13.94	6.323
H2 fill; scf (approx)	233	
Burst Altitude; kft km	97.3	29.7