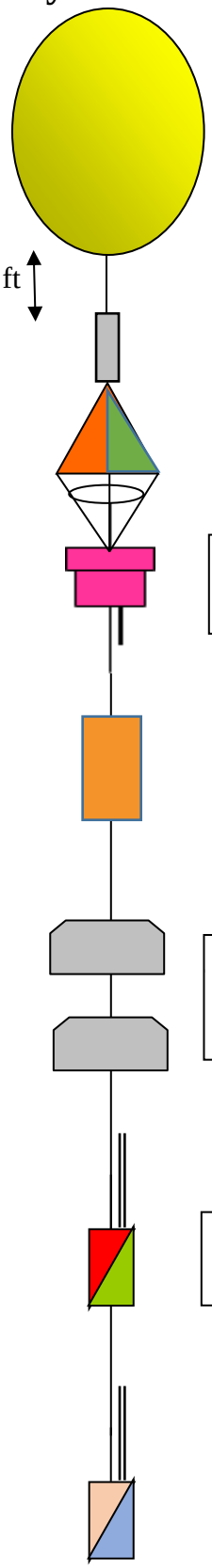
Payload Plan

EOSS-406 Lite
Rev B
(final weights)

0800 MDT, 17 Oct 2026
Deer Trail, CO

Item	Weight pounds	Weight kg
Student Experiments	5.44	2.466
EOSS Payloads	4.58	2.076
Parachute	1.70	0.770
Neck load	11.71	5.312
Balloon	3.31	1.500
Gross Weight	15.02	6.812
Gross Lift Factor	1.30	1.30
Neck Lift	16.22	7.355
H2 fill; scf (approx)	264	
Burst Altitude; kft km	94.7	28.9
Manual Release Altitude kft	**92.7**	



1500 gm
latex balloon

20 ft

20 ft 240# woven nylon

12 ft Rocketman parachute w/
remote release Baker
770g (1.70#)

KC0D-2-JPN06 Remote Release/DF
145.645 MHz APRS/DF 485g (1.07#)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-406

11 ft

N991SS ADS-B
Total wt: 575g (1.27#) Squawk: 4453

10 ft

NDIA Student Experiment Packages
On 48" centers 500# woven nylon
Total wt: 2,466g (final) (5.44#)

6 ft

13 ft

AEØSS-2-JP6 Discovery APRS/Digi (qualification)
144.905 MHz 471g (1.04 #)

9ft

KØSCC-13-JP8 APRS/Digi EOSSG
Time slotted at 0:00 and 0:30
144.340 MHz 485g (1.07#)

www.wxqa.com/sss/balon1.cgi
KØSCC-13 / EOSS-406

Realtime flight tracking: http://track.eoss.org