

**Payload Plan** (string 2)

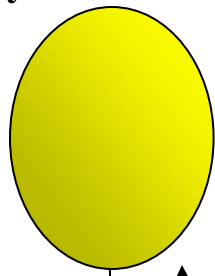
**EOSS-376 Lite**

**0645 MDT 10 May 2025**

**Rev C**

**Limon, CO**

(change Freq. KCØD-1; launch time)

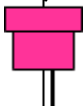


1500 gm latex balloon

20 ft 240# woven nylon



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



**KCØD-1-JPN03 Remote Release/DF 145.535 MHz 530g (1.17 #)**

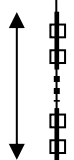
11 ft



**N992SS ADS-B**  
Total wt: 515 g (1.14 #) Squawk: 4453

8 ft

2 ft



**2 High School CubeSats**  
spaced @ 24" on 500# woven nylon  
Total wt : 2,850 g (build) (6.28#)

(lightest to heaviest)  
Cedar 1  
Cedar 2

13 ft



**AEØSS-3 Enterprise-JP01 APRS/Digi Alias="AEØSS"**  
144.340 MHz Time slotted at 0:20 and 0:50  
471g (1.04#)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-3 / EOSS-376

Item	Weight pounds	Weight kg
Student Experiments	6.28	2.850
EOSS Payloads	3.34	1.516
Parachute	1.70	0.770
Neck load	11.32	5.136
Balloon	3.31	1.500
Gross Weight	14.63	6.636
Gross Lift Factor	1.30	1.30
Neck Lift	15.71	7.126
H2 fill; scf (approx)	257	
Burst Altitude; kft km	95.3	29.0
<b>Manual Release Altitude kft</b>	<b>93.3</b>	

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-1 / EOSS-376

