

Flight Version	EOSS-361 Heavy Rev D (as flown)		Mass			
Balloon	Kaymont 3000		3.000 kg	6.61 lb	Parachute Capacity	
Parachute	12' Rocketman with Adam		0.770 kg	1.70 lb	Remaining	24.248 kg 53.46 lb
DF/Cutter	KCØD-2-JPN06 APRS/DF/Release 8ft		0.485 kg	1.07 lb	Parachute Total	0.770 kg 1.70 lb
EOSS Payload 1	ADS-B (N991SS)		0.575 kg	1.27 lb		
EOSS Payload 2	Wireless David		0.275 kg	0.61 lb		
EOSS Payload 3	AEØSS-4 Voyager-JP05 APRS/Digi		0.471 kg	1.04 lb		
EOSS Payload 4	None		0.000 kg	0.00 lb		
EOSS Payload 5	None		0.000 kg	0.00 lb		
EOSS Payload 6	AEØSS-2 Discovery-JP02 APRS/Digi 13ft		0.471 kg	1.04 lb	EOSS Total	2.277 kg 5.02 lb
Student Payload 1	CU Kit	g final	0.000 kg	0.00 lb		
Student Payload 2	Imaging Payload	200 g final	0.200 kg	0.44 lb		
Student Payload 3	PPSC Kit #1 (Boyz)	201 g final	0.201 kg	0.44 lb		
Student Payload 4	PPSC Kit #2	206 g final	0.206 kg	0.45 lb		
Student Payload 5	PPSC Kit #3	196 g final	0.196 kg	0.43 lb		
Student Payload 6	PPSC Kit #4	196 g final	0.196 kg	0.43 lb		
Student Payload 7	PPSC Kit #5	171 g final	0.171 kg	0.38 lb		
Student Payload 8	PPSC Spring Payload	687 g final	0.687 kg	1.51 lb		
Student Payload 9	RRCC Spring Payload (CoolBeans)	812 g final	0.812 kg	1.79 lb		
Student Payload 10	UCCS Spring Payload (L-Cube)	916 g final	0.916 kg	2.02 lb		
Student Payload 11	CSU (Yawmasters)	1,350 g final	1.350 kg	2.98 lb		
Student Payload 12			0.000 kg	0.00 lb	Student Total	4.935 kg 10.88 lb
Gross Mass			10.982 kg	24.21 lb	Remaining (if exempt)	-1.769 kg -3.90 lb
Neck Load			7.982 kg	17.60 lb	Neck Load Remaining	4.018 kg 8.86 lb
Gross Lift			129.236 N	29.05 lbf		
Neck Lift			99.816 N	22.44 lbf	Lift Factor	1.20
Free Lift			21.539 N	4.84 lbf		
Lift Gas	H2OC		11.12 m^3	393 ft^3	NECK LIFT (lb) 22.44	
Lanuch Site Alt (km) (Use 0)	0.00	Ascent Rate	4.74 m/s	932 ft/min		
15)	15.0	Burst Alt	32.5 km	106.7 ktt		