

EOSS-303 (as flown)

Flight Version	EOSS-303 Heavy Rev D		Mass			
Balloon	Kaymont 3000		3.000 kg	6.61 lb		
Parachute	12' Rocketman with Baker		0.781 kg	1.72 lb	Parachute Capacity Remaining	21.662 kg 47.76 lb
DF/Cutter	KCØD-1 APRS/DF/Release		0.520 kg	1.15 lb	Parachute Total	0.781 kg 1.72 lb
EOSS Payload 1	KØSCC-14 APRS		0.700 kg	1.54 lb		
EOSS Payload 2	KCØD-3 Lite		0.420 kg	0.93 lb		
EOSS Payload 3	Wireless Charlie		0.240 kg	0.53 lb		
EOSS Payload 4	COSGC ADS-B		0.510 kg	1.12 lb		
EOSS Payload 5	None		0.000 kg	0.00 lb		
EOSS Payload 6	None		0.000 kg	0.00 lb	EOSS Total	2.390 kg 5.27 lb
Student Payload 1	Power Puff Boys	848 g as	0.848 kg	1.87 lb		
Student Payload 2	Under Pressure	893 g as	0.893 kg	1.97 lb		
Student Payload 3	Space Creamery	911 g as	0.911 kg	2.01 lb		
Student Payload 4	Spudnik	853 g as	0.853 kg	1.88 lb		
Student Payload 5	Moon Men	771 g as	0.771 kg	1.70 lb		
Student Payload 6	Space Bennies	920 g as	0.920 kg	2.03 lb		
Student Payload 7	Corona	892 g as	0.892 kg	1.97 lb		
Student Payload 8	CubesatSim*	738 g as	0.738 kg	1.63 lb		
Student Payload 9	Equipment Test	560 g as	0.560 kg	1.23 lb		
Student Payload 10			0.000 kg	0.00 lb		
Student Payload 11	* 900 MHz transeiver		0.000 kg	0.00 lb		
Student Payload 12			0.000 kg	0.00 lb	Student Total	7.386 kg 16.28 lb
			Gross Mass	13.557 kg 29.89 lb	Remaining (if exempt)	-4.333 kg -9.55 lb
			Neck Load	10.557 kg 23.27 lb	Neck Load Remaining	1.443 kg 3.18 lb
			Gross Lift	158.209 N 35.57 lbf		
			Neck Lift	128.789 N 28.95 lbf	Lift Factor	1.19
			Free Lift	25.260 N 5.68 lbf		
Lift Gas	H2OC		13.61 m^3	481 ft^3	NECK LIFT (lb)	28.95
Lanuch Site Alt (km) (Use 0)	0.00	Ascent Rate	4.80 m/s	944 ft/min		
15)	15.0	Burst Alt	31.2 km	102.4 kft		