

EOSS-363 Heavy (as flown)

Flight Version	EOSS-363 Heavy MSU (string 1) Rev B	(as flown)	Mass				
Balloon	Kaymont 3000		3.000 kg	6.61 lb			
Parachute	12' Rocketman with Charlie		0.820 kg	1.81 lb	Parachute Capacity		
DF/Cutter	KCØD-3-JP04 APRS/Digi/DF/Release		0.515 kg	1.14 lb	Remaining	25.572 kg	56.38 lb
EOSS Payload 1	ADS-B (N992SS)		0.515 kg	1.14 lb	Parachute Total		
EOSS Payload 2	None		0.000 kg	0.00 lb	0.820 kg	1.81 lb	
EOSS Payload 3	None		0.000 kg	0.00 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-4 Voyager-JP05 APRS/Digi		0.471 kg	1.04 lb	EOSS Total		
Student Payload 1	MSU Total	4287 g final	4.287 kg	9.45 lb	1.501 kg	3.31 lb	
Student Payload 2			0.000 kg	0.00 lb			
Student Payload 3			0.000 kg	0.00 lb			
Student Payload 4			0.000 kg	0.00 lb			
Student Payload 5			0.000 kg	0.00 lb			
Student Payload 6			0.000 kg	0.00 lb			
Student Payload 7			0.000 kg	0.00 lb			
Student Payload 8			0.000 kg	0.00 lb			
Student Payload 9			0.000 kg	0.00 lb			
Student Payload 10			0.000 kg	0.00 lb			
Student Payload 11			0.000 kg	0.00 lb			
Student Payload 12			0.000 kg	0.00 lb	Student Total		
					4.287 kg	9.45 lb	
			Gross Mass	9.608 kg	21.18 lb	Remaining (if exempt)	
			Neck Load	6.608 kg	14.57 lb	-0.345 kg	-0.76 lb
			Gross Lift	113.067 N	25.42 lbf	Neck Load Remaining	
			Neck Lift	83.647 N	18.80 lbf	5.392 kg	11.89 lb
			Free Lift	18.844 N	4.24 lbf	Lift Factor	
						1.20	
Lift Gas	H2	OC	9.73 m^3	343 ft^3	NECK LIFT (lb) 18.80		
Lanuch Site Alt (km) (Use 0)	0.00	Ascent Rate	4.63 m/s	912 ft/min			
15)	15.0	Burst Alt	33.4 km	109.5 kft			