

EOSS-364 Heavy (as-flown)

Flight Version	EOSS-364 Heavy EPIC (string 2) Rev B	(as flown)	Mass					
Balloon	Kaymont 3000		3.000 kg	6.61 lb				
Parachute	12' Rocketman with Baker		0.770 kg	1.70 lb	Parachute Capacity Remaining	24.633 kg	54.31 lb	
DF/Cutter	KCØD-1-JPN03 APRS/Digi/DF 11ft		0.530 kg	1.17 lb	Parachute Total	0.770 kg	1.70 lb	
EOSS Payload 1	ADS-B (N991SS)		0.575 kg	1.27 lb				
EOSS Payload 2	None		0.000 kg	0.00 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-3 Enterprise-JP01 APRS/Digi 13ft		0.471 kg	1.04 lb	EOSS Total	1.576 kg	3.47 lb	
Student Payload 1	EPIC Total	5251 g weigh-in	5.251 kg	11.58 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	5.251 kg	11.58 lb	
			Gross Mass	10.597 kg	23.36 lb	Remaining (if exempt)	-1.384 kg	-3.05 lb
			Neck Load	7.597 kg	16.75 lb	Neck Load Remaining	4.403 kg	9.71 lb
			Gross Lift	124.705 N	28.03 lbf			
			Neck Lift	95.285 N	21.42 lbf			
			Free Lift	20.784 N	4.67 lbf	Lift Factor	1.20	
Lift Gas	H2		0C	10.73 m ³	379 ft ³	NECK LIFT (lb) 21.42		
Lanuch Site Alt (km) (Use 0)	0.00		Ascent Rate	4.71 m/s	927 ft/min			
15)	15.0		Burst Alt	32.7 km	107.4 kft			