

EOSS-302 (as flown)

Flight Version	EOSS-302 Lite Rev D			Mass			
Balloon	Kaymont 3000			3.000 kg	6.61 lb		
Parachute	10' Rocketman with Adam			0.630 kg	1.39 lb	Parachute Capacity Remaining	
DF/Cutter	KCØD-14 APRS/DF/Cutter			0.535 kg	1.18 lb	Parachute Total	
EOSS Payload 1	AEØSS-12 APRS/Digi lite			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	CU 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	
Student Payload 1	NDIA STEM #1	970.000 g	final	0.970 kg	2.14 lb	2.405 kg	
Student Payload 2	NDIA STEM #2	1400.000 g	final	1.400 kg	3.09 lb	5.30 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	
						2.370 kg	
						5.22 lb	
						Remaining (if exempt)	
						0.668 kg	
						1.47 lb	
						Neck Load Remaining	
						6.595 kg	
						14.54 lb	
						Lift Factor	
						1.30	
Lift Gas	H2OC			9.22 m^3	325 ft^3	NECK LIFT (lb)	
Lanuch Site Alt (km) (Use 0)	0.00	Ascent Rate		5.40 m/s	1,063 ft/min		17.47
15)	15.0	Burst Alt		33.7 km	110.6 kft		