

Flight Version	EOSS-299 Rev D					
Balloon	Kaymont 3000		Mass			
Parachute	10A 10' parachute w/fast release KCØD-12		3.000 kg	6.61 lb	Parachute Capacity Remaining	2.617 kg 5.77 lb
DF/Cutter	APRS/DF/Cutter AEØSS-12		1.088 kg	2.40 lb	Parachute Total	1.088 kg 2.40 lb
EOSS Payload 1	APRS/Digi lite		0.700 kg	1.54 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	None		0.000 kg	0.00 lb	EOSS Total	1.250 kg 2.76 lb
Student Payload 1			0.000 kg	0.00 lb		
Student Payload 2	NOAA Glider	7045 g initial	7.045 kg	15.53 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	7.045 kg 15.53 lb
			Gross Mass	12.383 kg 27.30 lb	Remaining (if exempt)	-2.852 kg -6.29 lb
			Neck Load	9.383 kg 20.69 lb	Neck Load Remaining	2.617 kg 5.77 lb
			Gross Lift	143.294 N 32.21 lbf	Lift Factor	1.18
			Neck Lift	113.874 N 25.60 lbf		
			Free Lift	21.858 N 4.91 lbf		
Lift Gas	H2OC		12.33 m^3	435 ft^3	NECK LIFT (lb)	25.60
Lanuch Site Alt (km) (Use 0)	0.00		4.61 m/s	908 ft/min		
15)	15.0		31.9 km	104.5 kft		