

CLTP6

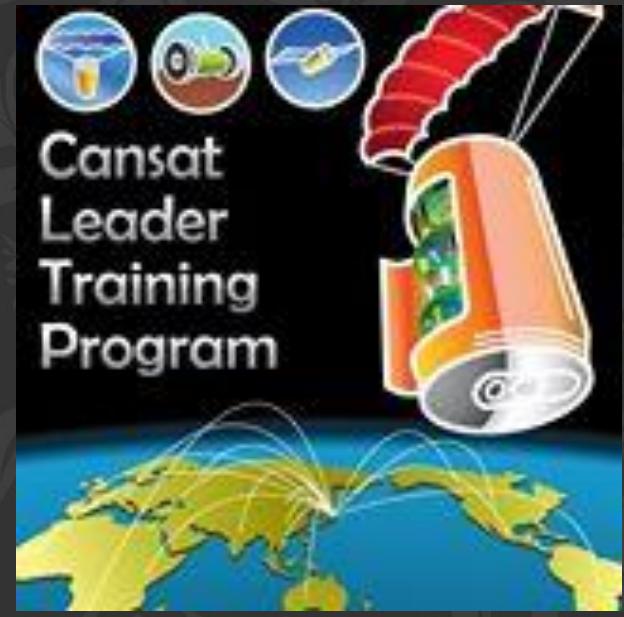
FINAL PRESENTATION

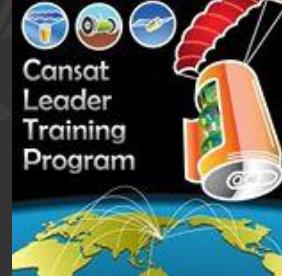
JIM HEFKEY

AUCKLAND, NEW ZEALAND



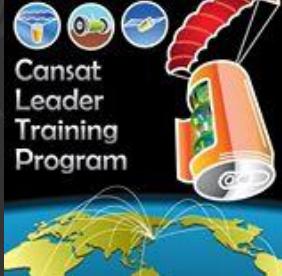
Cansat New Zealand





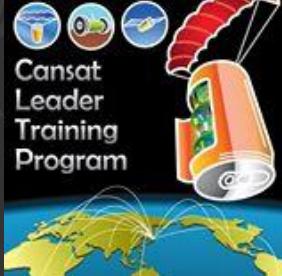
WELCOME TO SAPPORO





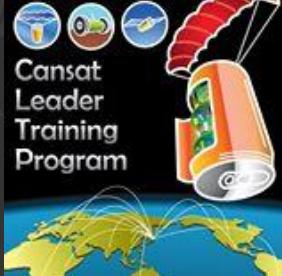
WELCOME TO CLTP 6





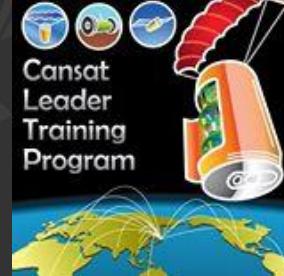
GET TO KNOW EACH OTHER



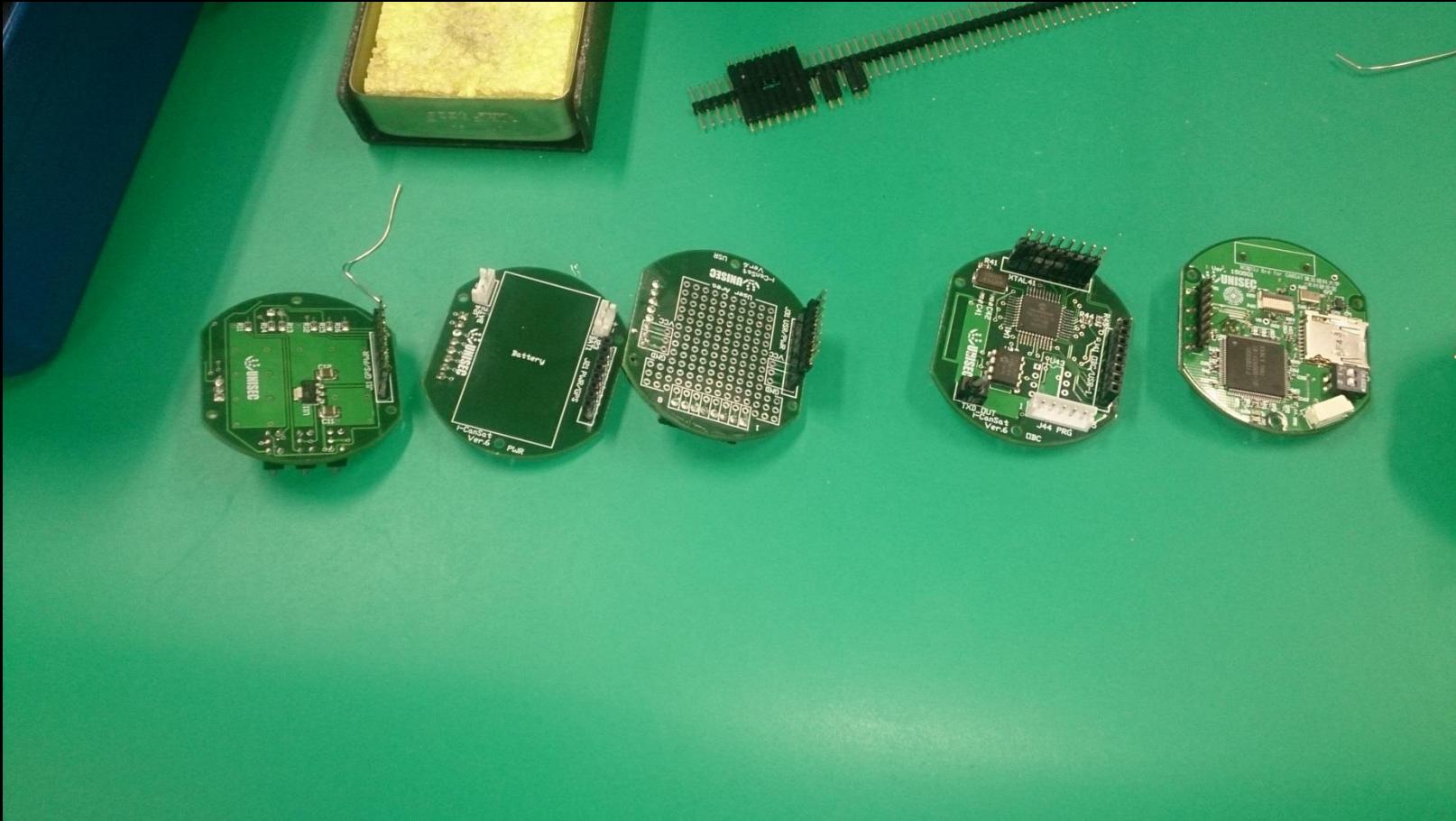


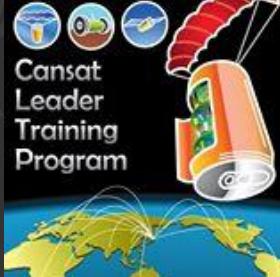
NOW DOWN TO WORK



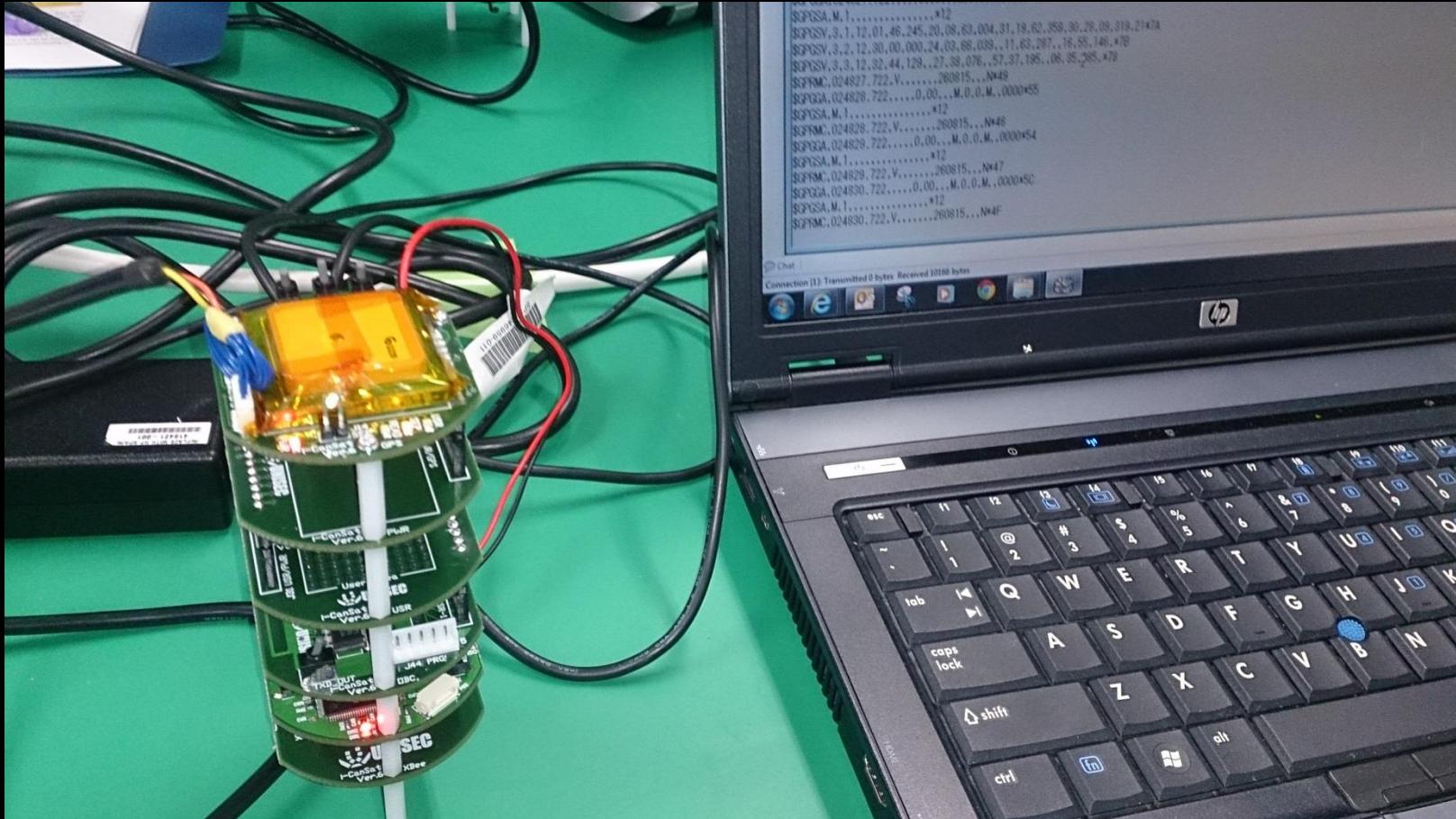


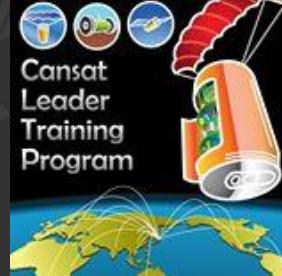
GETTING THE PIECES TOGETHER





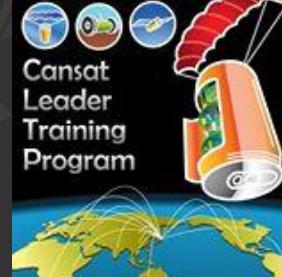
TESTING THE SOFTWARE



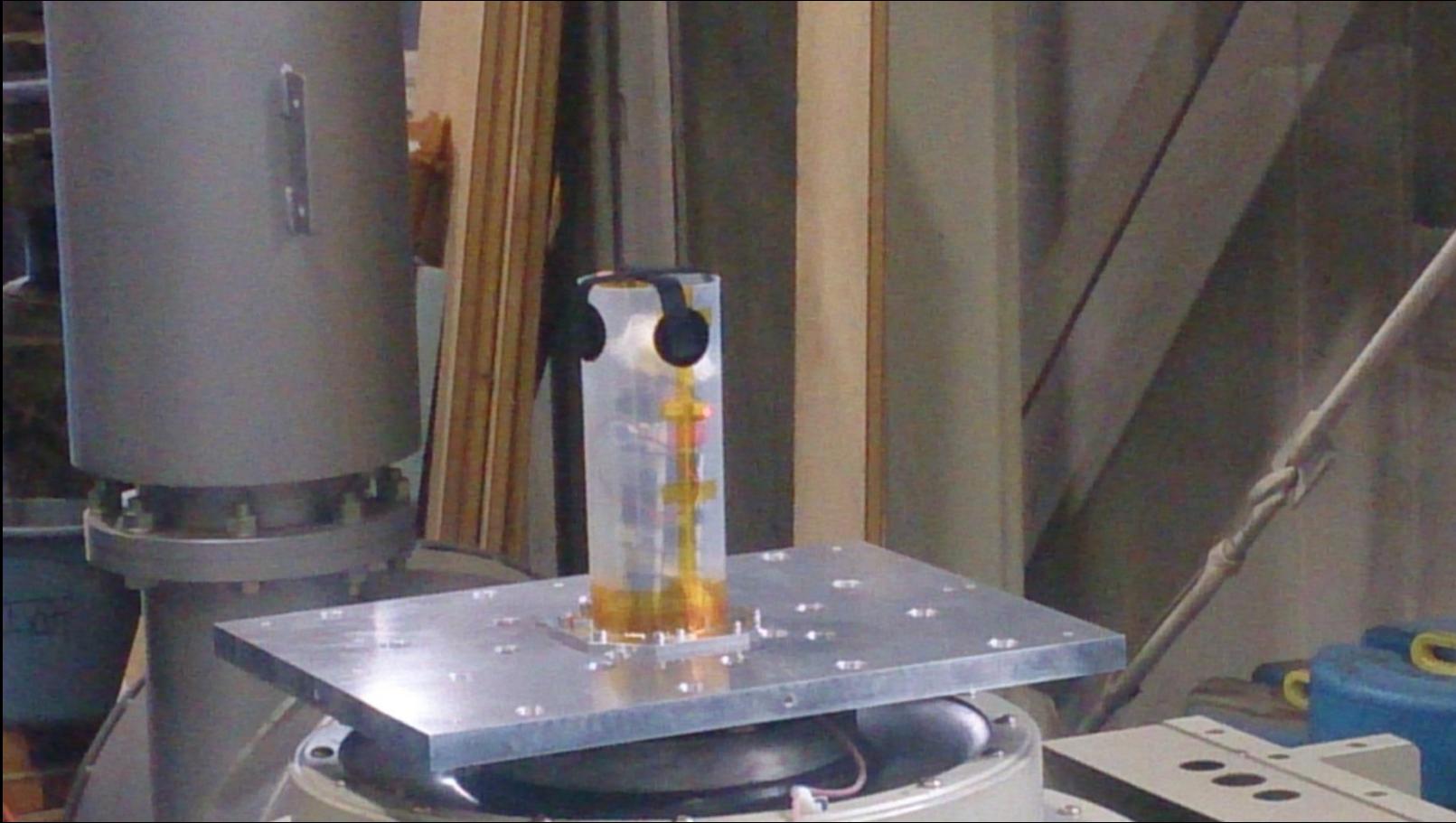


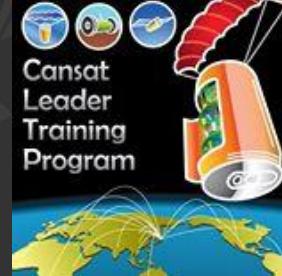
TESTING THE DESCENT HARDWARE





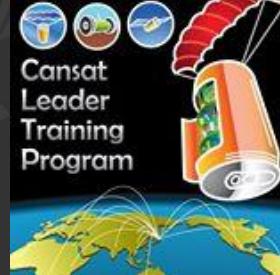
TESTING THE CANSAT HARDWARE VIBRATION



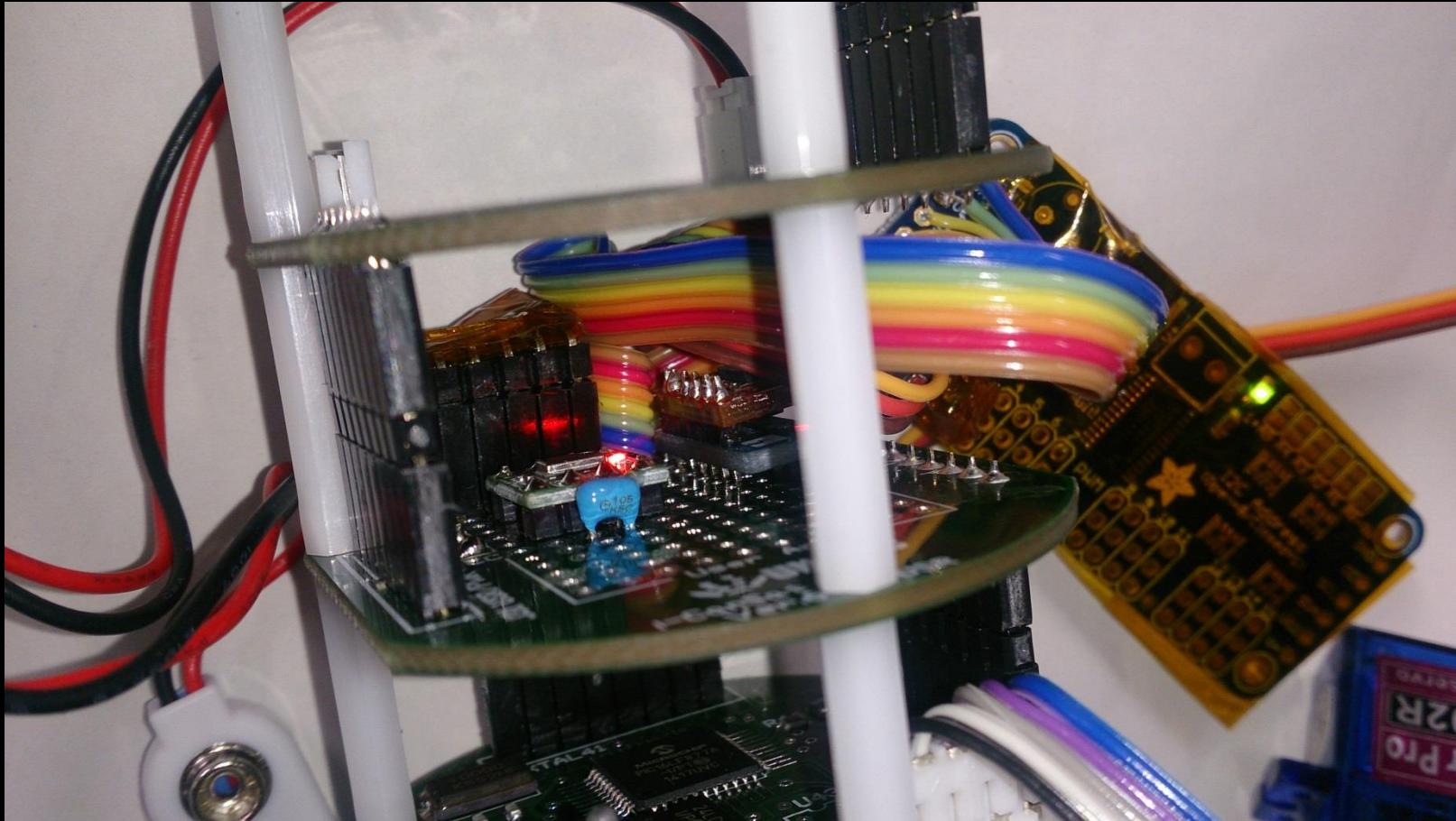


TESTING THE CANSAT HARDWARE THERMAL





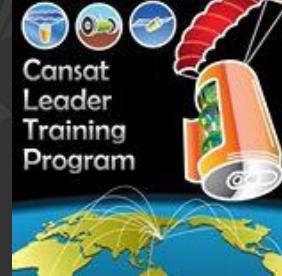
ADDING SENSORS





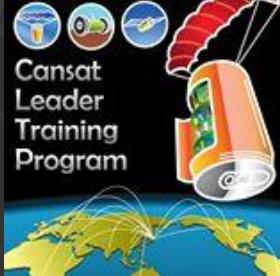
TIME FOR A LITTLE SIGHTSEEING IN SAPPORO





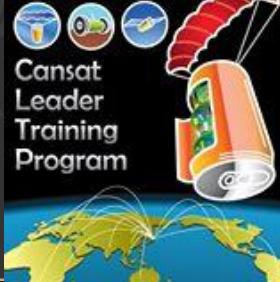
HIHO, HIHO, OFF TO AKIBIRA WE GO





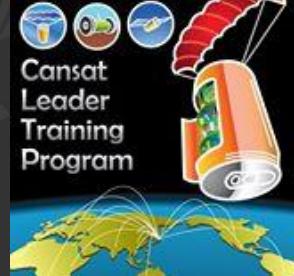
TO BUILD OUR PAPER ROCKET





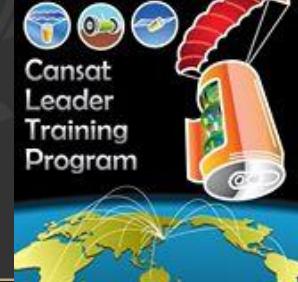
SOME INTERESTING SIGHTS GREETED US





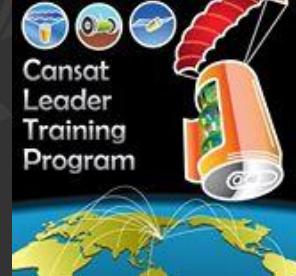
FLIGHT 1 WAS A LITTLE UNSTABLE





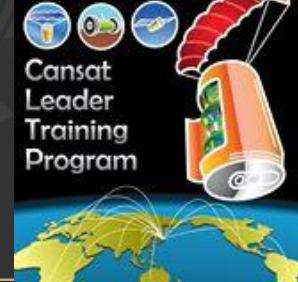
PERHAPS A LOT UNSTABLE





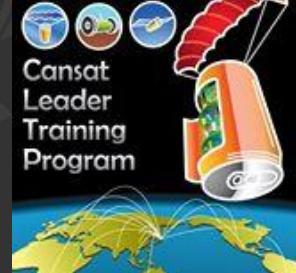
FLIGHT 1-A WAS MUCH BETTER



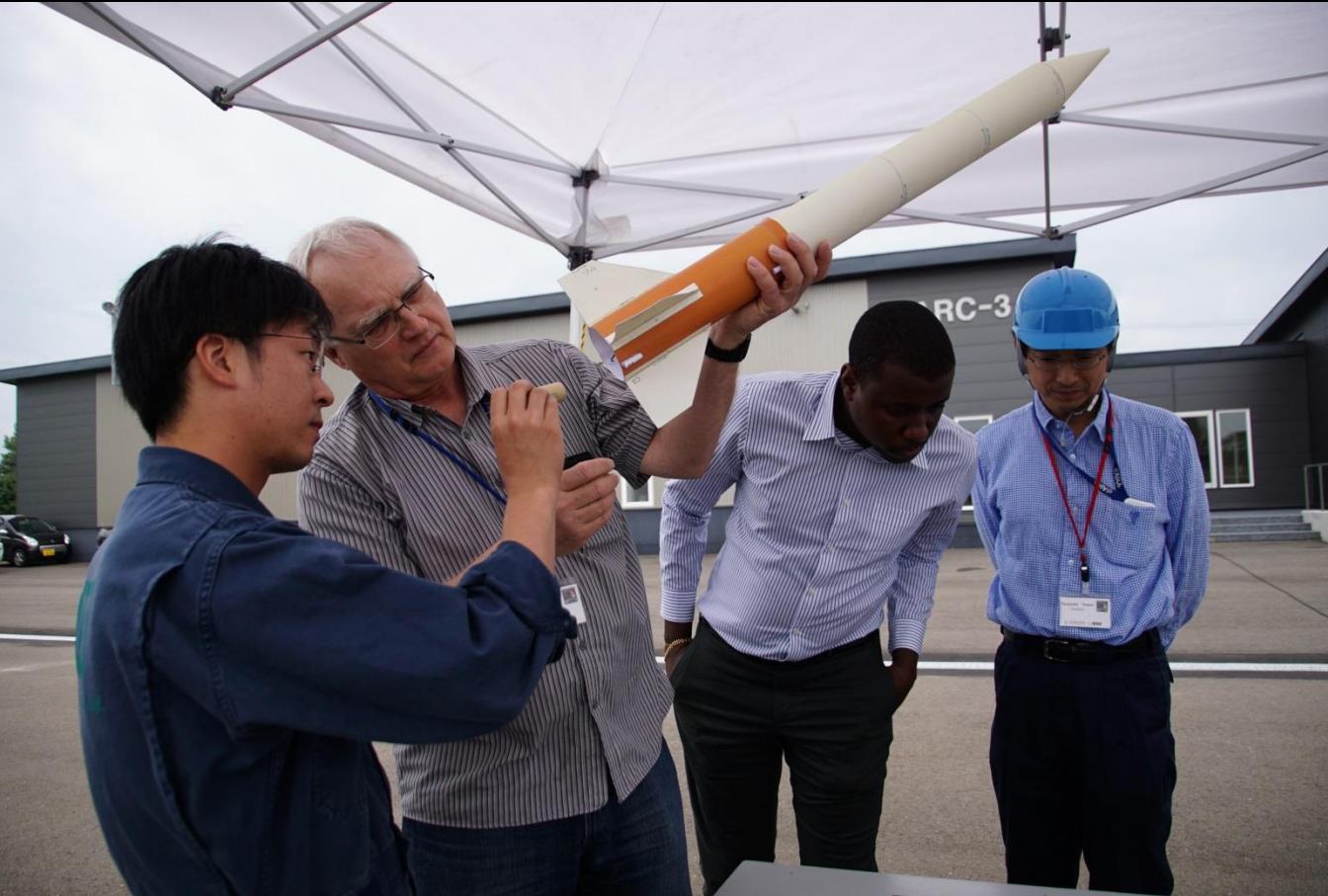


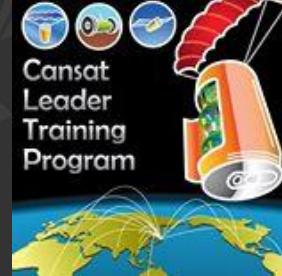
BUT HAD AN UNUSUAL CANSAT
DEPLOYMENT





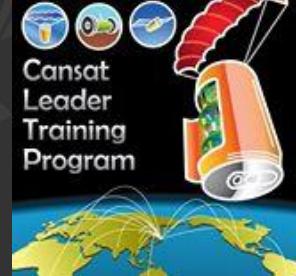
SO FOR FLIGHT 2 WE TRIED A
DEPLOYMENT EXPERIMENT





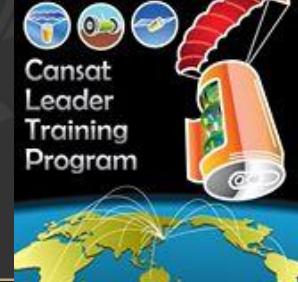
CANSAT WAS INSTALLED IN ROCKET WITH PARACHUTES ON THE BOTTOM





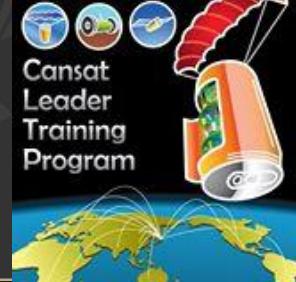
WHEN SEPARATION OCCURRED





THE PARACHUTES DEPLOYED
IMMEDIATELY





AND THE CAMERA STARTED TAKING
PICTURES



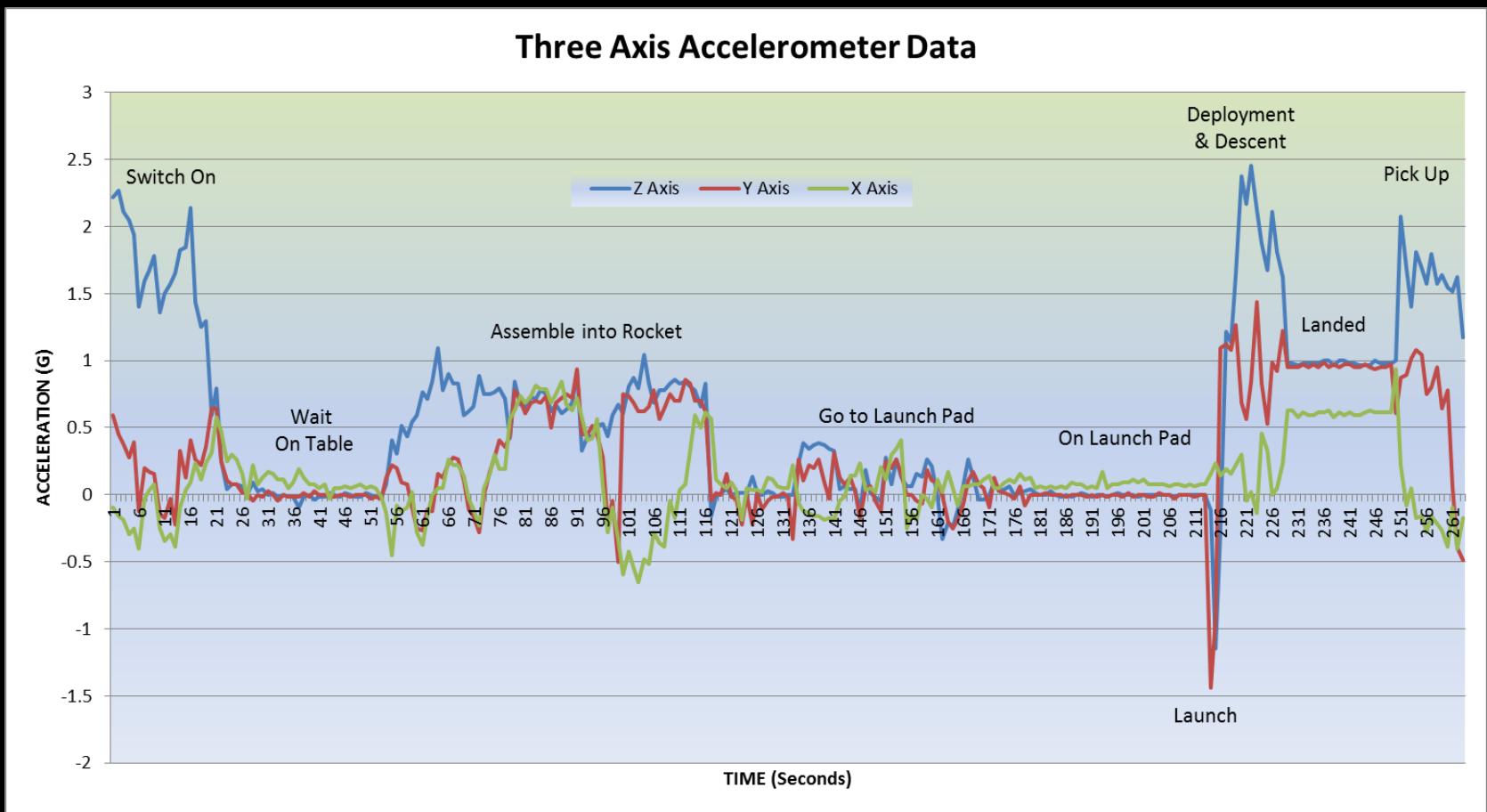


THE CANSAT TRANSMITTED GPS AND ACCELEROMETER DATA TO THE GROUND STATION

?\$G\$GPGC	22216	N	E	1	9	1.6	47.2	M	31.5	M			0000*64			
\$GPGGA	22216	N	E	1	9	1.6	47.2	M	31.5	M			0000*64			
AD5	559	508	502		1.801465	1.637109	1.617773		0.466465	0.093109	-0.03223			2.264392	0.451987	-0.15644
?\$G\$GPGC	22217	N	E	1	9	1.6	47.2	M	31.5	M			0000*65			
\$GPGGA	22217	N	E	1	9	1.6	47.2	M	31.5	M			0000*65			
AD5	549	503	500		1.769238	1.620996	1.611328		0.434238	0.076996	-0.03867			2.107953	0.373767	-0.18773
?\$G\$GPGC	22218	N	E	1	9	1.6	47.2	M	31.5	M			0000*6A			
\$GPGGA	22218	N	E	1	9	1.6	47.2	M	31.5	M			0000*6A			
AD5	545	497	493		1.756348	1.60166	1.58877		0.421348	0.05766	-0.06123			2.045377	0.279904	-0.29724
?\$G\$GPGC	22219	N	E	1	10	1.1	47.2	M	31.5	M			0000*64			
\$GPGGA	22219	N	E	1	10	1.1	47.2	M	31.5	M			0000*64			
AD5	538	504	496		1.733789	1.624219	1.598438		0.398789	0.080219	-0.05156			1.935869	0.389411	-0.2503
?\$G\$GPGC	22220	N	E	1	10	1.1	47.2	M	31.5	M			0000*6E			
\$GPGGA	22220	N	E	1	10	1.1	47.2	M	31.5	M			0000*6E			
AD5	504	471	486		1.624219	1.517871	1.566211		0.289219	-0.02613	-0.08379			1.403975	-0.12684	-0.40674
?\$G\$GPGC	22221	N	E	1	10	1.1	47.2	M	31.5	M			0000*6F			
\$GPGGA	22221	N	E	1	10	1.1	47.2	M	31.5	M			0000*6F			
AD5	516	492	510		1.662891	1.585547	1.643555		0.327891	0.041547	-0.00645			1.591702	0.201684	-0.03129
?\$G\$GPGC	22222	N	E	1	9	1.6	47.2	M	31.5	M			0000*63			
\$GPGGA	22222	N	E	1	9	1.6	47.2	M	31.5	M			0000*63			
AD5	521	490	514		1.679004	1.579102	1.656445		0.344004	0.035102	0.006445			1.669922	0.170396	0.031288
?\$G\$GPGC	22223	N	E	1	10	1.1	47.2	M	31.5	M			0000*6D			
\$GPGGA	22223	N	E	1	10	1.1	47.2	M	31.5	M			0000*6D			
AD5	528	489	517		1.701563	1.575879	1.666113		0.366563	0.031879	0.016113			1.77943	0.154752	0.07822
?\$G\$GPGC	22224	N	E	1	10	1.1	47.2	M	31.5	M			0000*6A			
\$GPGGA	22224	N	E	1	10	1.1	47.2	M	31.5	M			0000*6A			
AD5	501	470	496		1.614551	1.514648	1.598438		0.279551	-0.02935	-0.05156			1.357043	-0.14248	-0.2503
?\$G\$GPGC	22225	N	E	1	10	1.1	47.2	M	31.5	M			0000*6B			

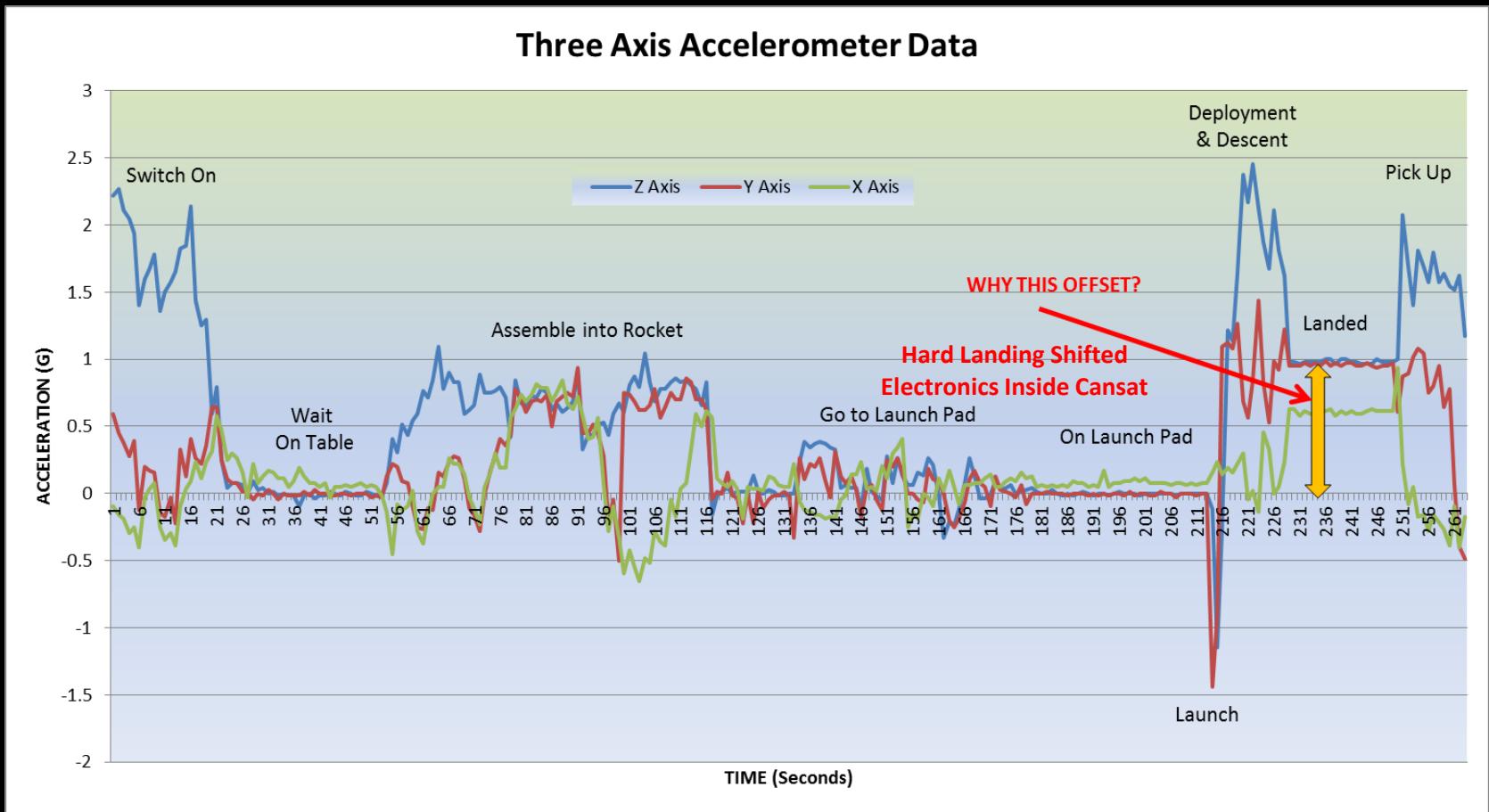


AND THE ACCELEROMETER DATA WAS PLOTTED





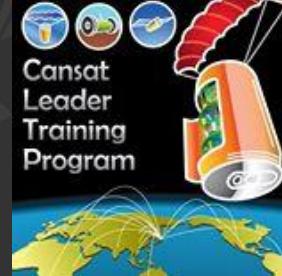
DATA ANALYSIS





LEARNING EXPERIENCE

- WHAT SUCCESS LOOKS LIKE
- WHAT FAILURE LOOKS LIKE
- REQUIREMENTS FOR THE LEARNING ENVIRONMENT
- REQUIREMENTS FOR THE PHYSICAL SKILLS
- INSIGHT INTO THE DIFFERENT WAYS THAT DIFFERENT PEOPLE INTERPRET AND RESPOND IN THE LEARNING ENVIRONMENT



LEARNING EXPERIENCE

AND FRIENDSHIP





THE END OF THE BEGINNING

EDUCATION IS OPTIONAL – LEARNING IS COMPULSORY

ANON