

3ª ComeBack/Navigation:

-Rover Cansat

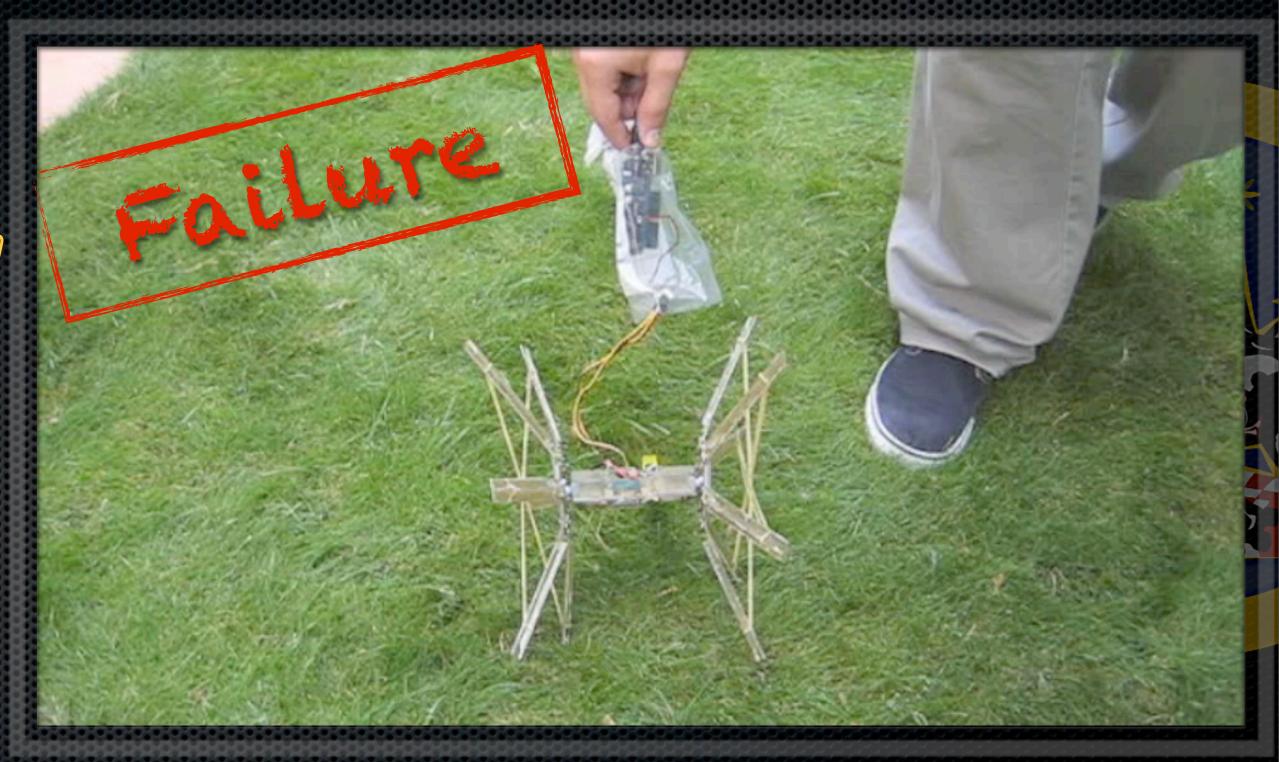
ComeBack Mission

-Explore foreign

lands.

-Avoid obstacles.

-Big wheels.



Mission

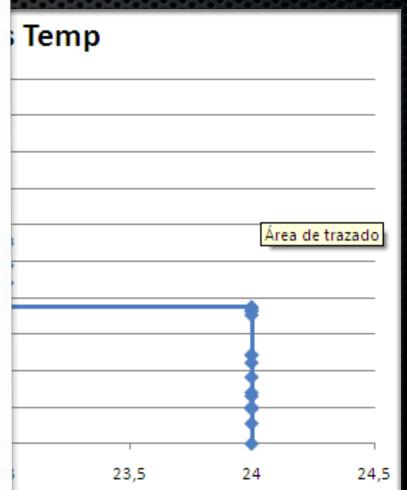
Flight duratic

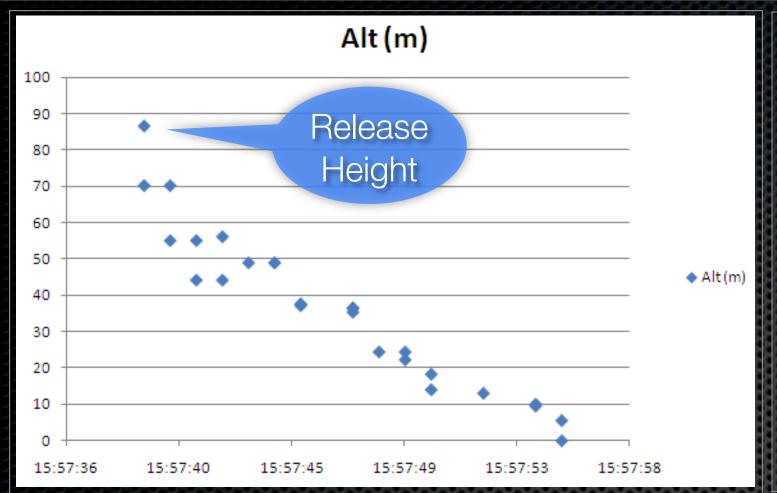
Balloon heig when release

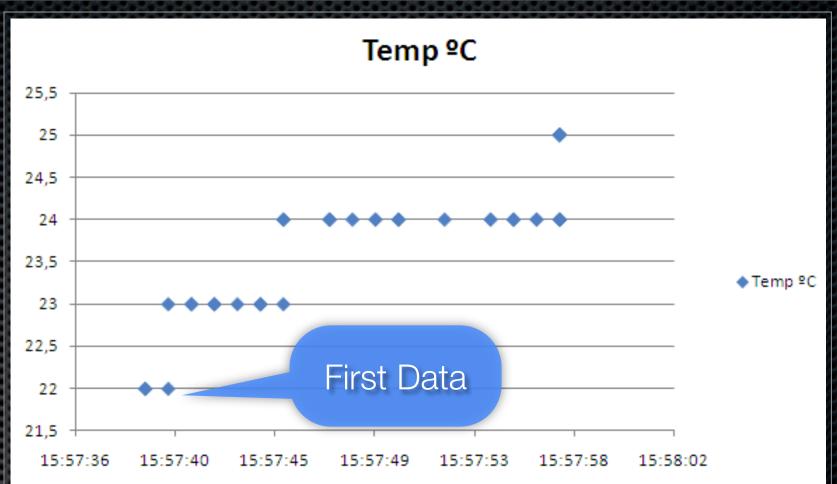
Average falling speed:

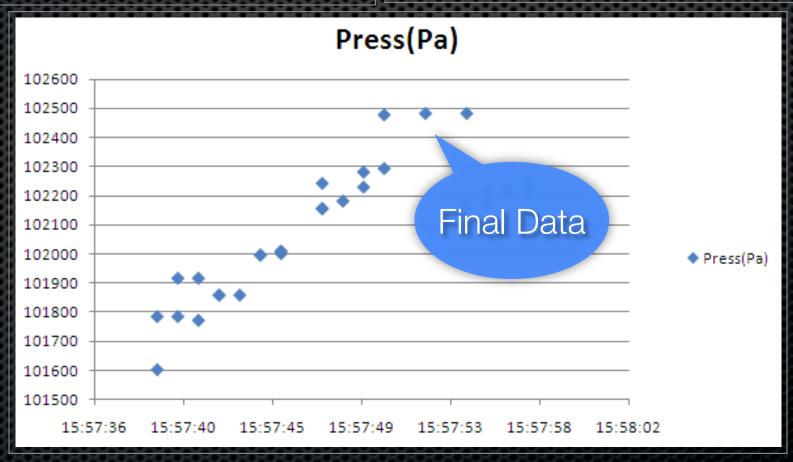
Average temperature

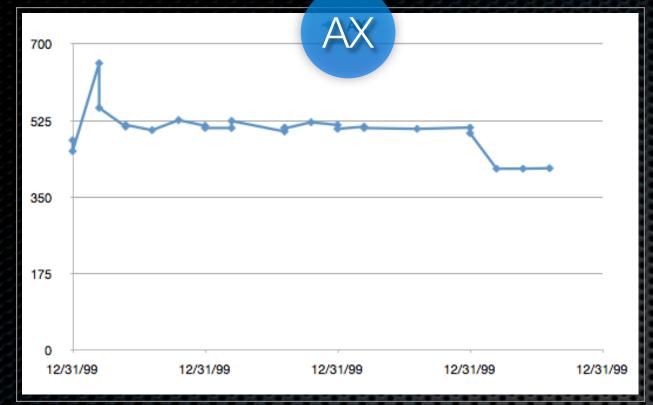
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70.14886
                                                         903
                                                                                  101601 148
                                                                                                  101.0
15:57:40
                44.259464 N, 1.145486 W 232.55
                                                                                                          55.041985
15:57:40
                                                         564
                                                                                  101784 148
                                                                                                  39.0
                44.259464 N, 1.145486 W 232.55
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15:57:41
                                                         565
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                                                                                                  53.0
                44.259457 N, 1.145488 W 203.57
15:57:41
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                                                                                 101916
                                                                                                          44.160183
                44.259457 N, 1.145488 W 203.57
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15:57:42
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                44.259453 N. 1.145497 W 241.91 502
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15:57:42
                44.259453 N, 1.145437 W.241.
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                44.75945 N. 1.14.497 W 207.38
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15:57:43
                 1.14, 1.14, 1.14, 1.14, 1 145.98
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15:57:45
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15:57:45
                44.25943 N, 1.145455 W
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                44.25943 N, 1.145455 W 113.5
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15:57:47
                44.259403 N, 1.14539 W
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15:57:47
                44.259403 N, 1.14539 W 128.36
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                44.259403 N, 1.14539 W
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                44.259384 N, 1.145353 W 113.68
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                44.25937 N, 1.1453221 W 137.44 511
15:57:49
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                44.259254 N, 1.145262 W 186,68 415
                44.25924 N, 1.145281 W
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                44.25924 N, 1.145261 183.99
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                44.25923 N, 1.145257 183.93 415
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                44.25923 N. 1.145257 W
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                44.25923 N, 1.145257 W
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                 44.25923 N, 1.145257 W
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                44.25923 N, 1.145257 W
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15:57:57
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                 44.25923 N. 1.145257 W
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                 44.25923 N, 1.145257 W 183.93 415
15:57:57
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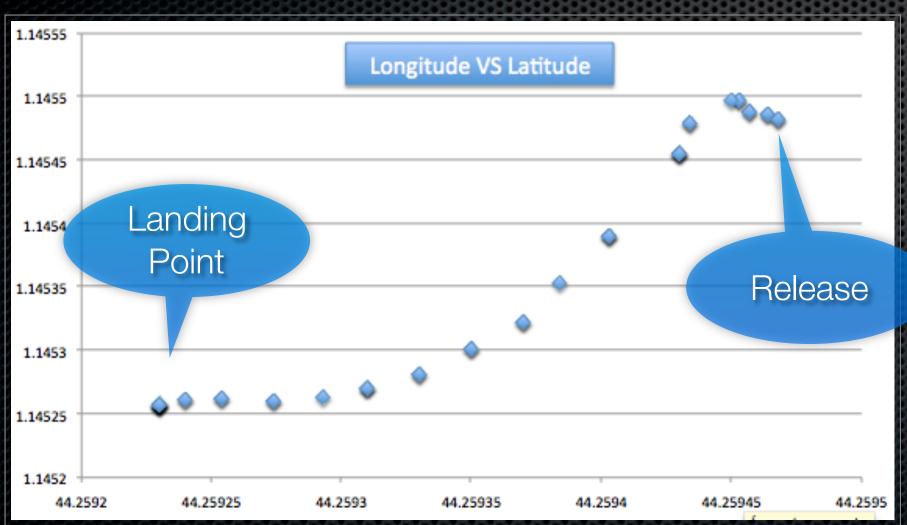


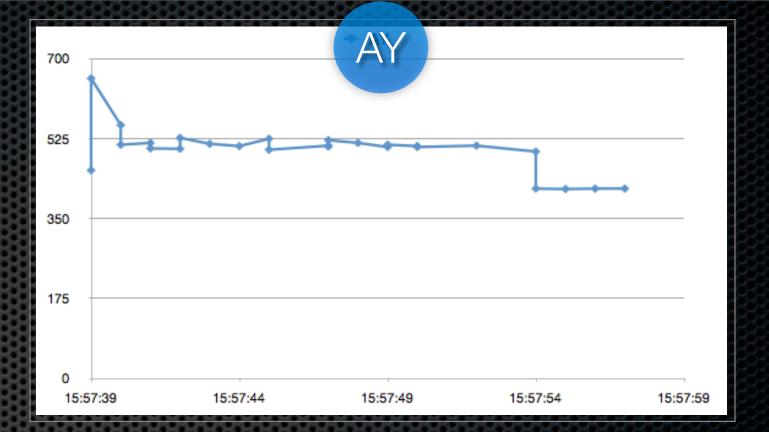


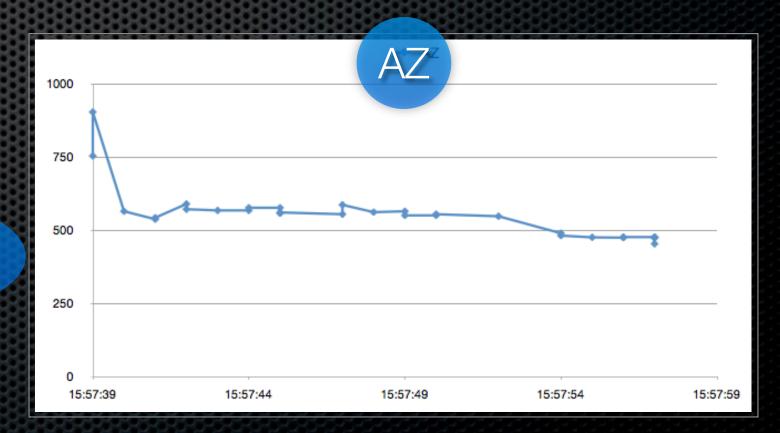








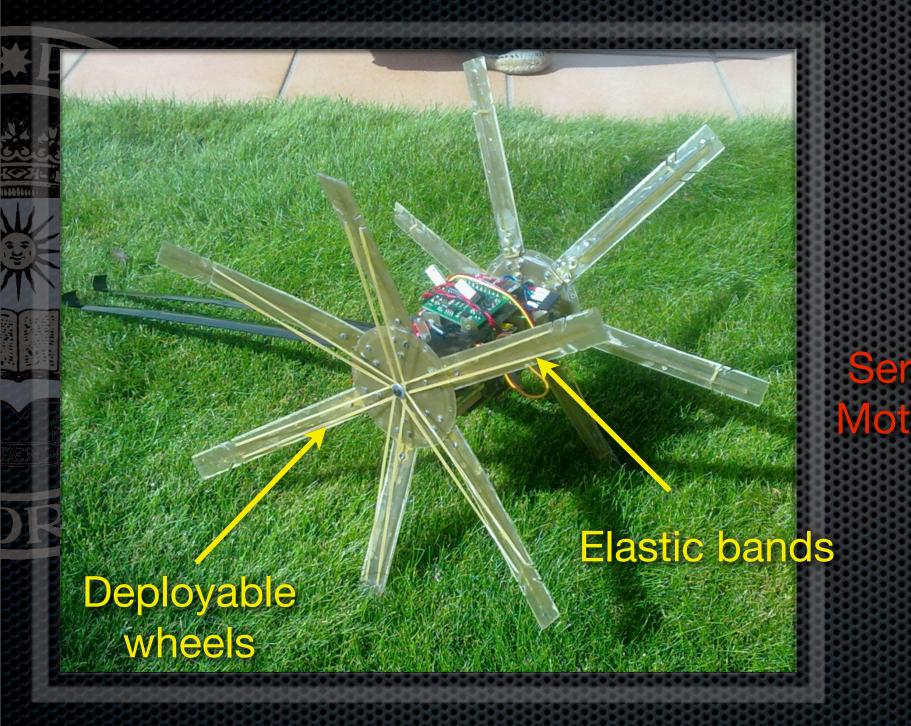


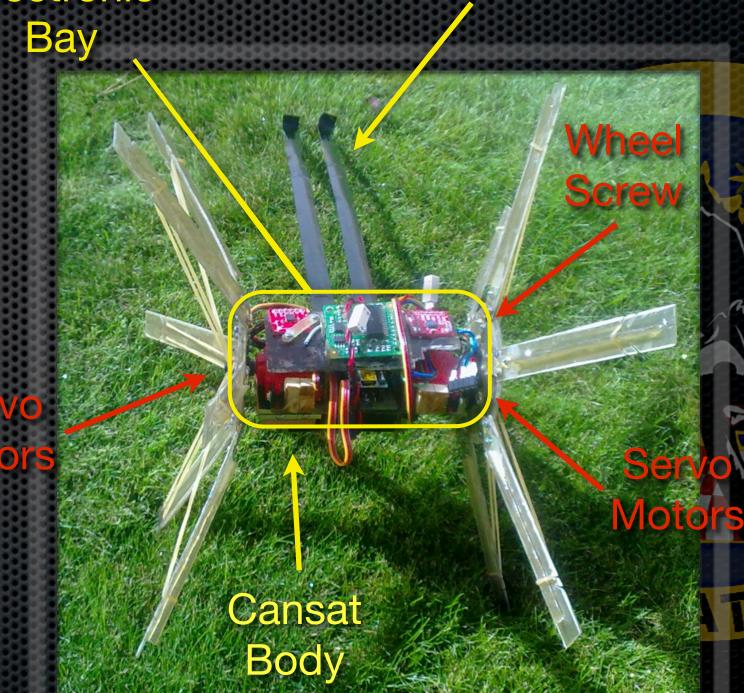


Structure:









Parachute:



- Semispherical parachute

Made of Nylon

- Area: 0,47 m^2

- Falling speed: 4m/S

- Nylon threads

Final Conclusions:

- Our FIRST COMEBACK_Project
- Stronger union between the structure and the wheels.
- More resistant motors instead of servos.
- Better recovery system.
- More accurate data. (e.g. Temperature sensor accurancy)
- Other Conclusions:
- A cat has 7 lives...well, now only 6.. and a broken leg.
- A cat always lands on its feet, even if they are broken.
 - Cats do can fly!





CATSATTEAM

UPM_SPAIN





