



C'Space 2010 – Biscarrosse, France

BUDSTAR TEAM NEO DEBRIEFING



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FLIGHT OVERVIEW

- ◉ Satisfying 4m/s vertical fall
- ◉ Violent crash at landing
 - One bounce
 - Parachute landed near the CanSat
 - No skid opening
 - Camera bug (corrupted flight)



OPENING SYSTEM

- ◉ No unexpected opening while falling (despite a violent parachute opening)
- ◉ Skid locked by a shifted ring at landing or parachute opening
- ◉ Normal opening of the skid when ring manually replaced



CANSAT INTEGRITY



Elements	Integrity
Structure	OK
Wheels & motors	OK
Skid & servomotor	OK
Motor controller	KO
GPS	OK
μ Controller	OK
Batteries	OK
Camera	OK
Parachute & ropes	OK

CONCLUSION

POSITIVE POINTS

- ◉ Satisfying fall
- ◉ Structure strength validated
- ◉ Parachute release system principle validated
- ◉ Ski skids already validated before this championship



CONCLUSION

NECESSARY IMPROVEMENTS

- Better integration of all electronics components
 - Impact
 - Building
 - Parachute-locking rings
- Implementation of a compass
- Data sending or saving for Come Back mission analysis





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