

Flight report

Highlights

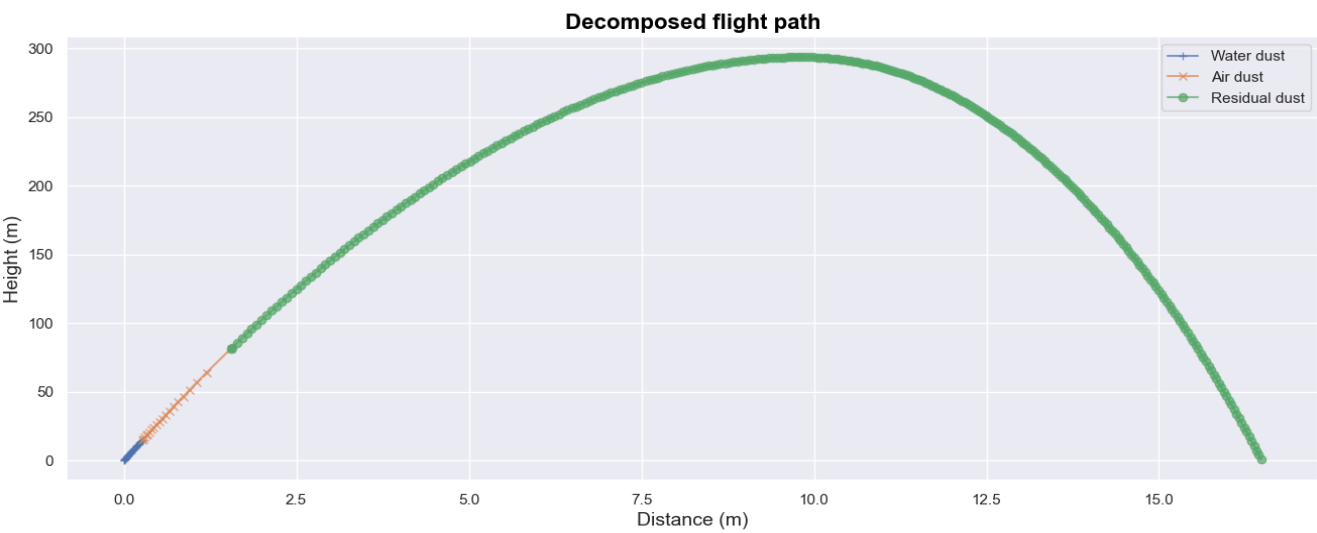
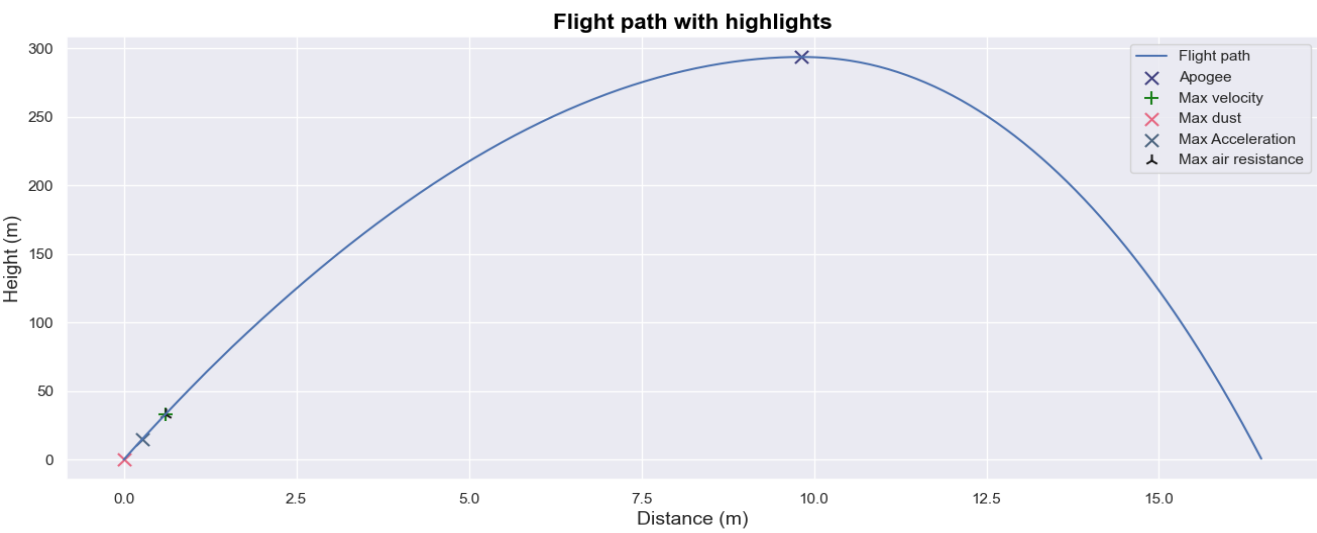
| | Values |
|--|----------|
| Maximal speed (m/s) | 80.2747 |
| Maximal speed (km/h) | 288.9889 |
| Maximal dust (N) | 127.2478 |
| Maximal acceleration (m/s ²) | 151.7248 |
| Maximal air resistance (N) | 2.4054 |
| Apogee (m) | 293.5876 |
| Maximum extent (m) | 16.4827 |
| Duration of water ejection (s) | 0.2538 |
| Duration of air ejection (s) | 0.8571 |
| Total flight time (s) | 8.8709 |

Comments

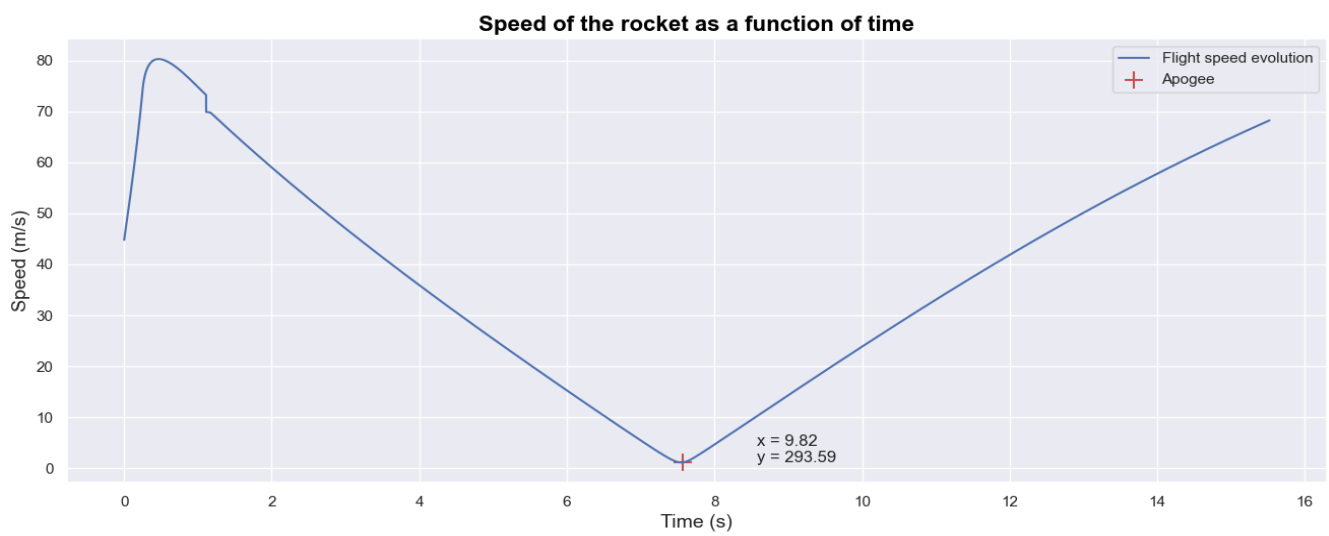
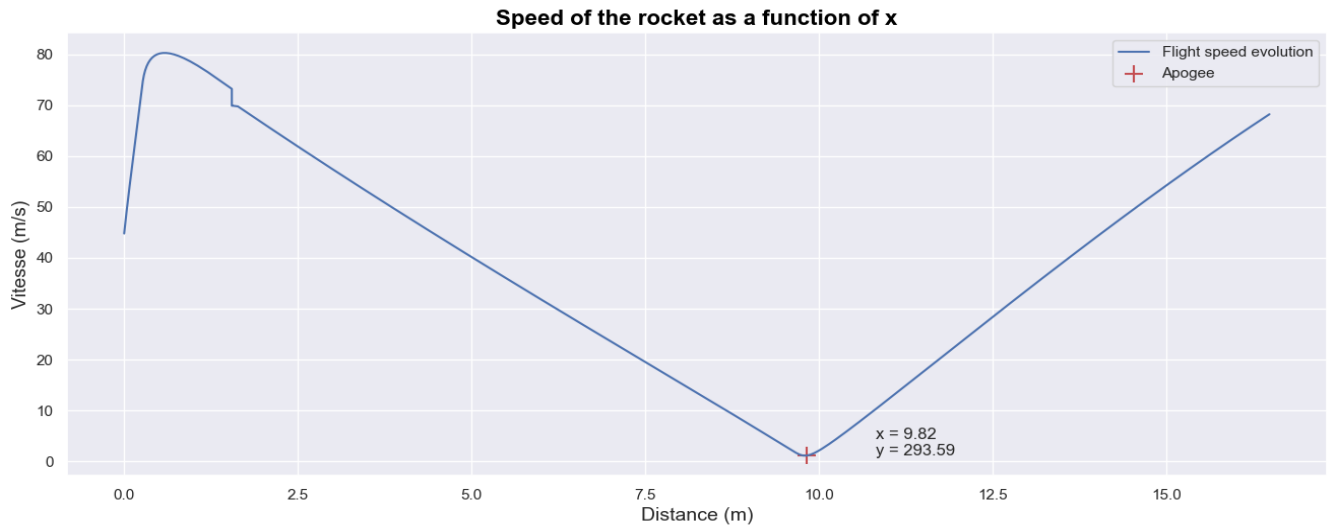
- The maximum speed is **80.2747 m/s** and corresponds to the coordinates :
x = 0.6045 m
y = 33.1231 m
- The maximum thrust is **127.2478 N** and corresponds to the take-offs :
x = 0.0000 m
y = 0.0000 m
- The maximum acceleration is **151.7248 m/s²** and corresponds to the coordinates :
x = 0.2695 m
y = 15.0403 m
- The coordinates of the end of the water ejection :
x = 0.2695 m
y = 15.0403 m
- The coordinates of the end of the air ejection :
x = 1.5495 m
y = 81.2216 m
- The coordinates of the apogee are :
x = 9.8197 m
y = 293.5876 m

Graphics

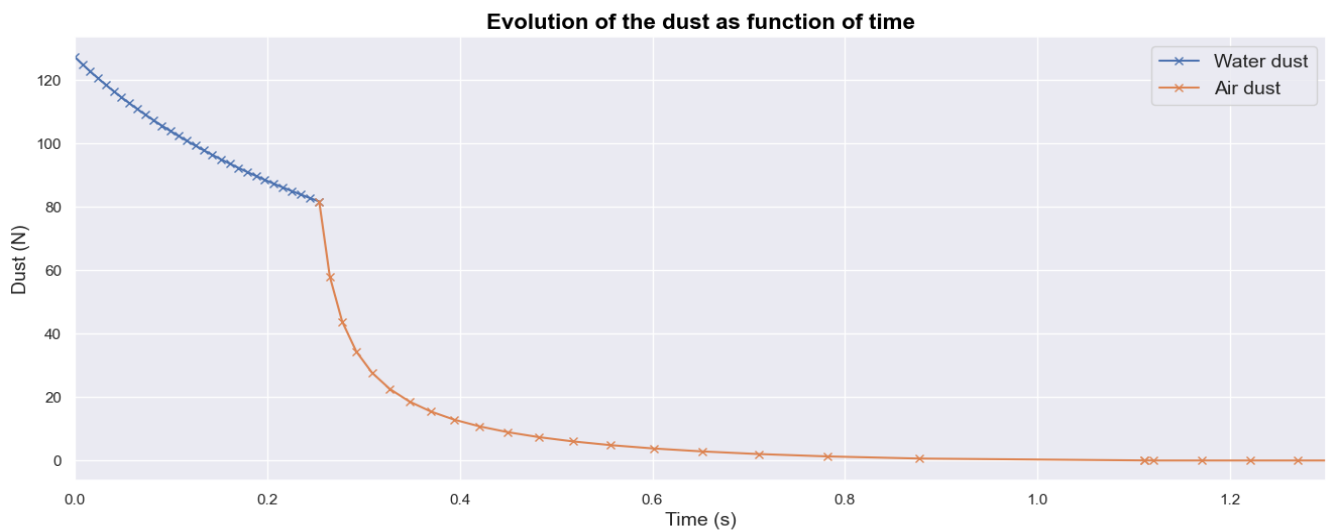
Flight path :



Speed evolution :

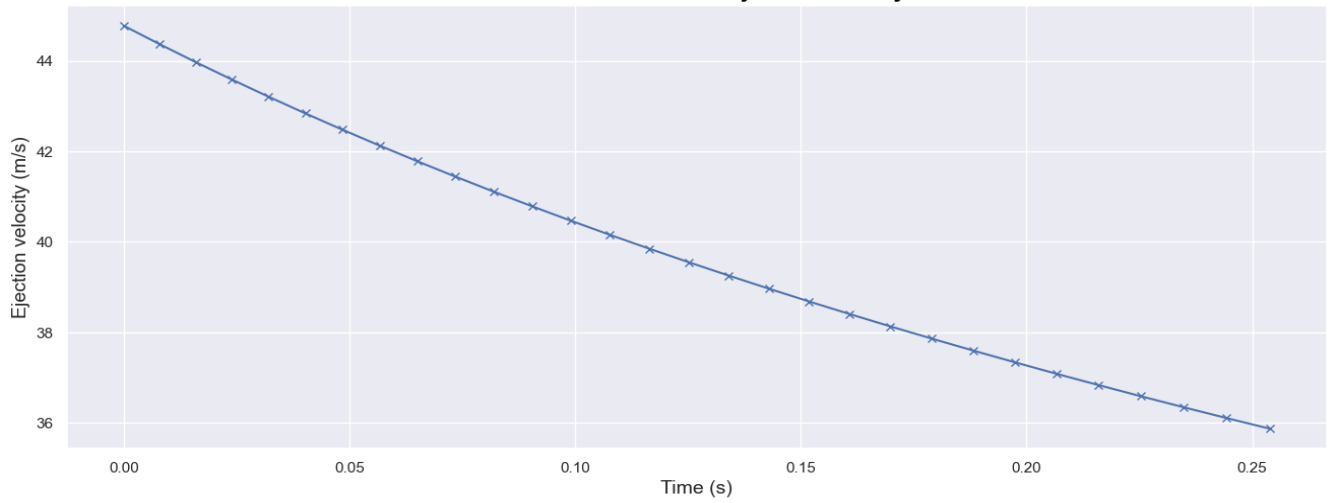


Thrust evolution :



Ejection speed :

Evolution of the water ejection velocity



Evolution of the air ejection velocity

