Work report

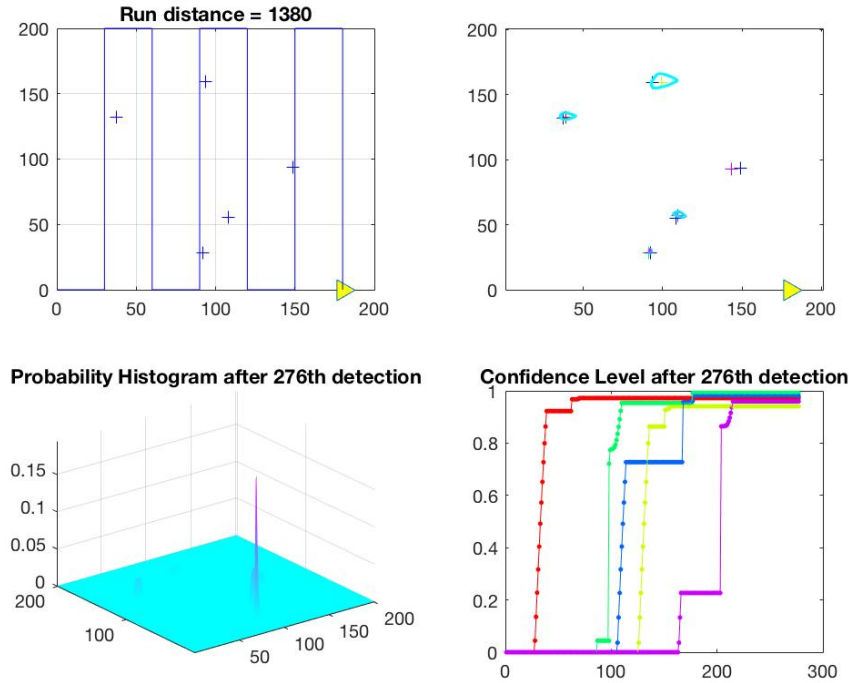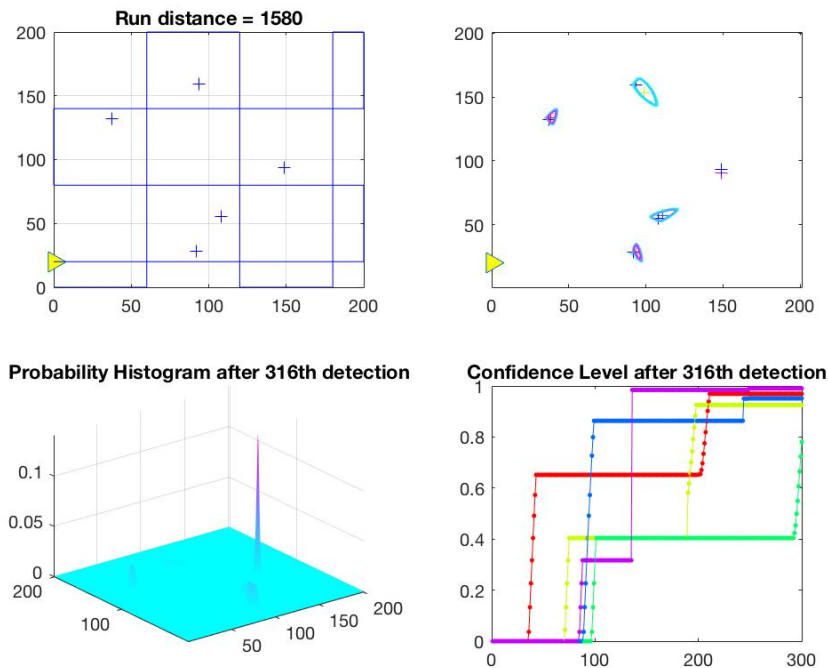**"Compass" implement compare with previous result:**
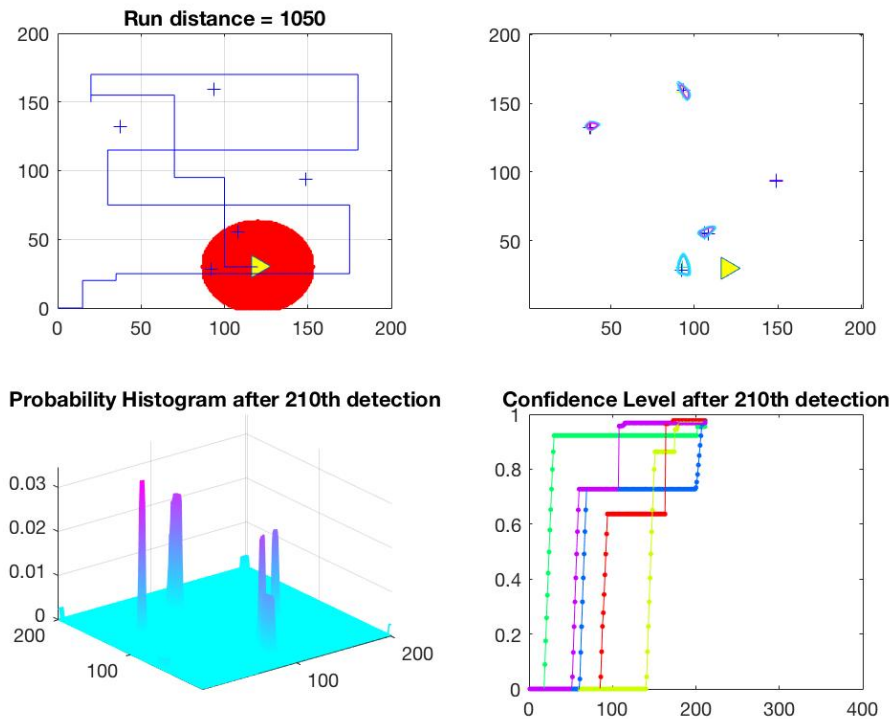**Simple path planning:**
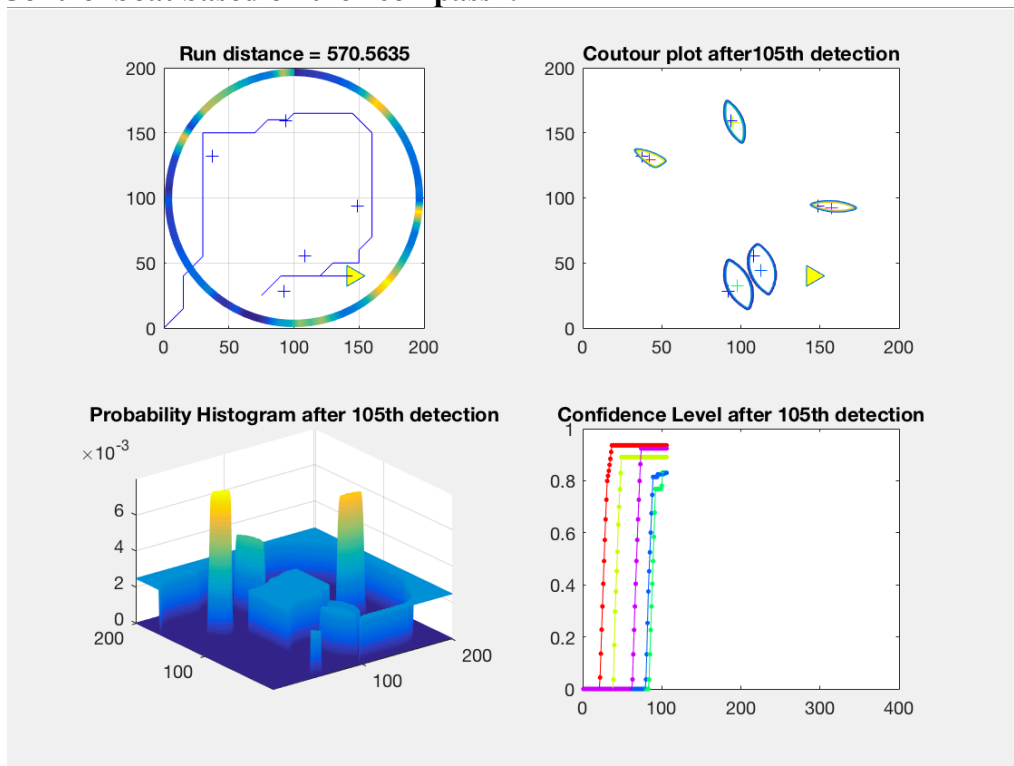**Scan: resolution 30**

Double scan: Resolution 60 in order to reduce path length

Control by joystick based on the contour and histogram: resolution 30

Control boat based on the "compass":

Conclusion:
1. **"compass" controlled boat only use half time and number of detection achieved all sensor confidence level above 80%, even 95%.**
2. **"compass" controlled boat use half time and detection achieved more than 2/3 coverage, that means higher efficiency and significantly reduce the cost.**

What I plan to do next:
Find a strategy based on the compass to autonomously achieve all sensor confidence level above 95% in minimum time and cost.

What I need Dr. Becker to do:
I want to schedule a meeting with you tomorrow to talk about the "strategy".