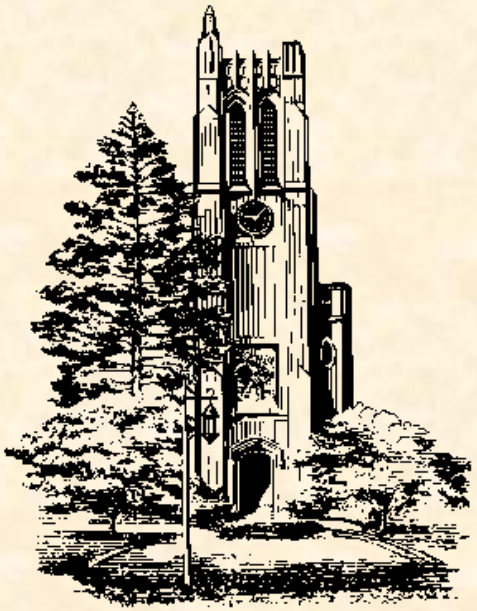
MICHIGAN STATE UNIVERSITY

Beta Demonstration
Lateral Map Display



Team GE Aviation

CSE 498, Collaborative Design

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Spring 2010

Project Overview

- Lateral Map Display
  - Top down view of aircraft's position
  - Aids in navigation
  - Multiple layers that can be toggled on/off
    - Weather layer gets data from NOAA and displays the gif image under the compass
    - Terrain layer renders the ground below the aircraft
    - Air traffic layer displays other planes in the vicinity
    - Waypoint layer shows all waypoints
    - Airport layer shows all airports
    - VOR layer shows all VORs

Architecture

User Input

X-Plane

Terrain Data

SDK

SDK

Flight Data

DSF File

Terrain Plug-in

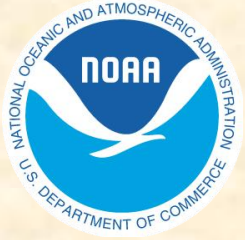
Data Plug-in

TCP

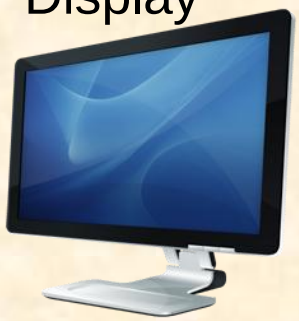
UDP

Display

Weather Data



Renderer



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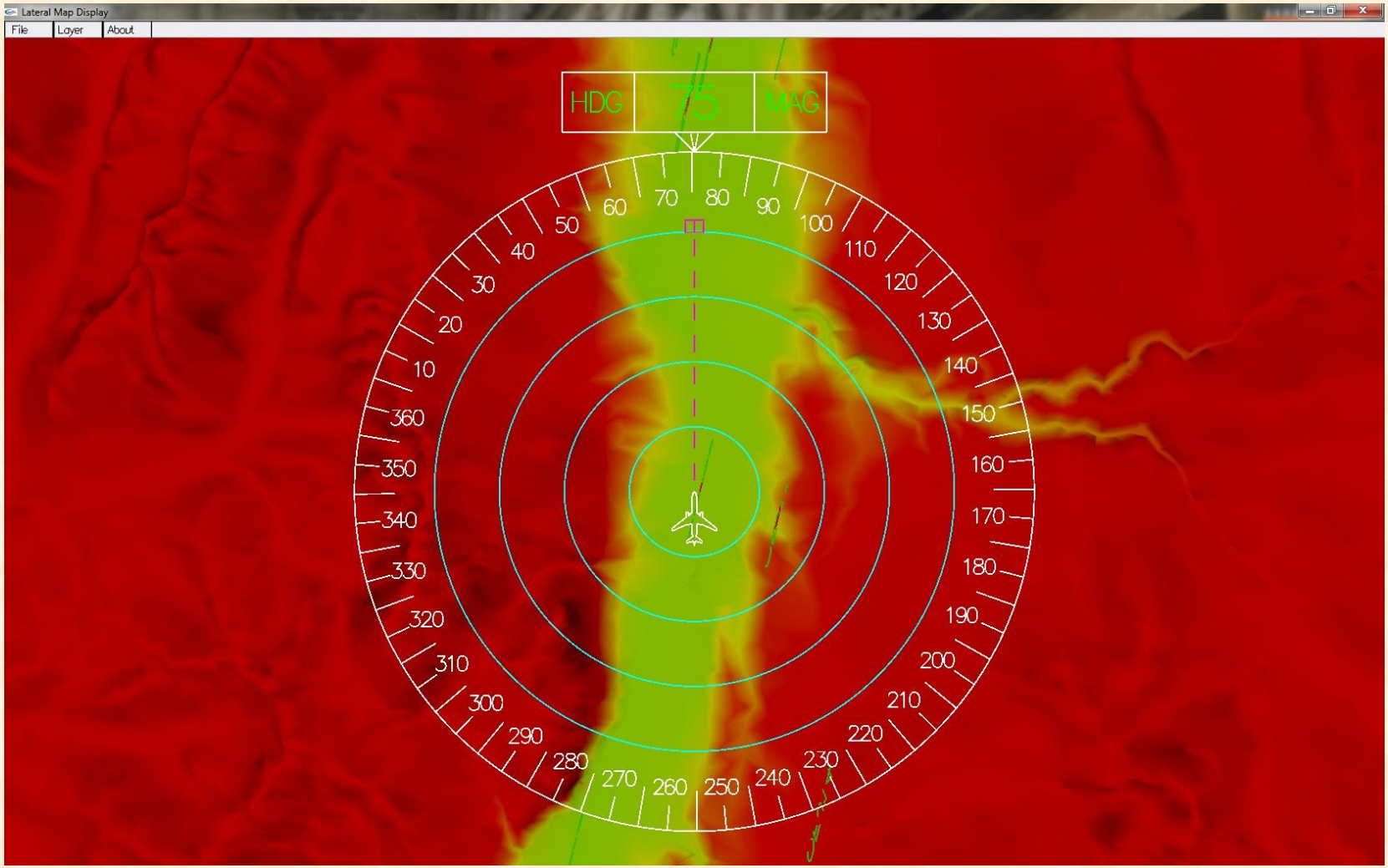
Screen Shot



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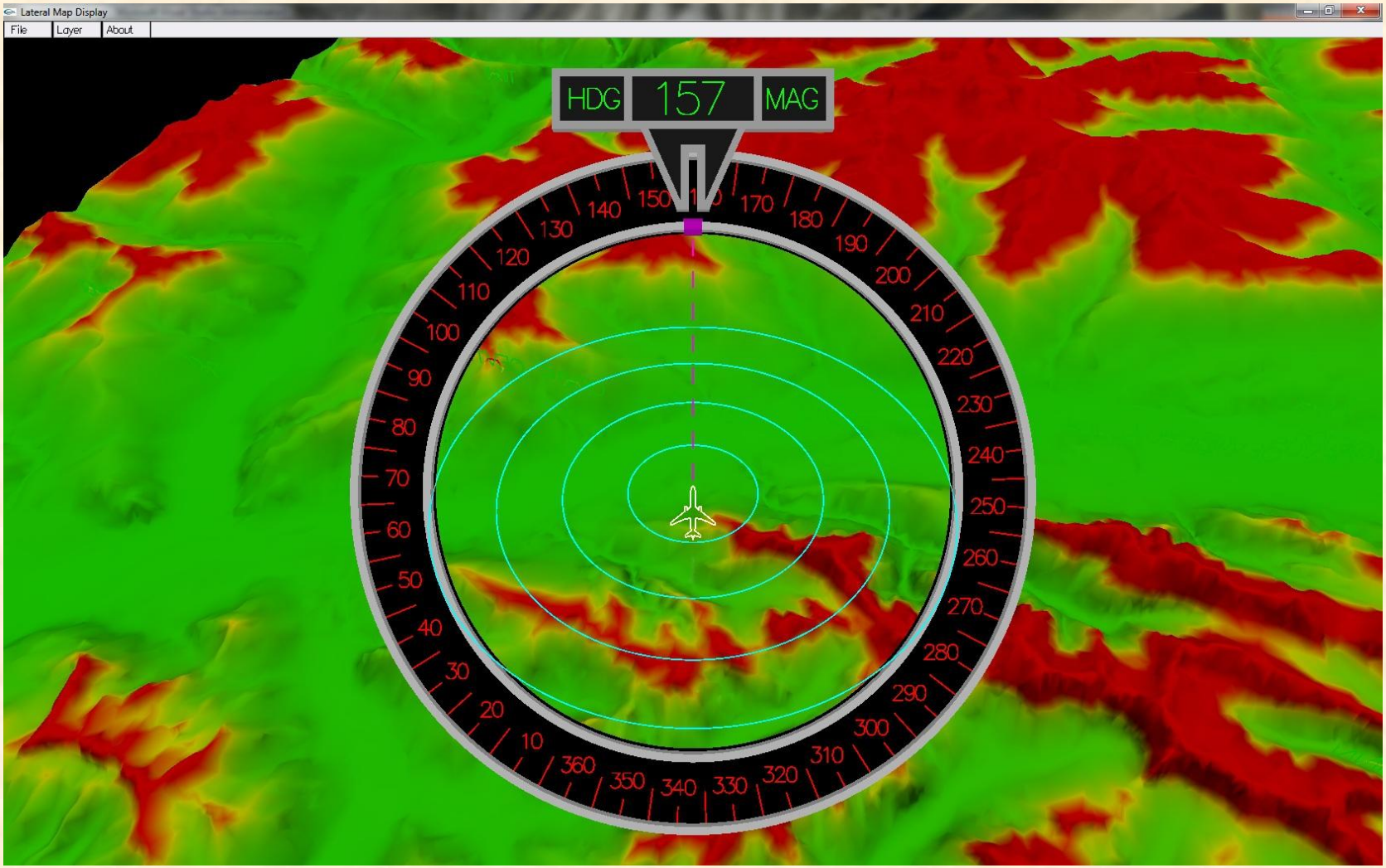

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