

User Interaction

Audio

User fast forwards or rewinds audio file

Retrieve Audio Playhead Sample Time

Convert to Seconds since logging began

Search for Nearest Record in Log based on Timestamp

- Update Map Cursor Position and Pan Map
- Pan Charts along x-axis
- Re-Buffer Audio
- Update Image Viewer

Map

User clicks on a GPS point

Retrieve Tag Value held with GPS node (seconds)

- Set Audio playhead position and re-buffer
- Pan Charts along x-axis
- Update Image Viewer

Chart

User clicks on one of the air pollution charts

Retrieve X-Axis value (seconds)

Search for Nearest Record in Log based on Timestamp

- Set Audio playhead position and re-buffer
- Update Map Cursor Position and Pan Map
- Pan Charts along x-axis
- Update Image Viewer