

API

Woodland Woodland Park

GET node/#id Returns the XML for that node.

PUT node/#id Updates the node, returns new version number.

DELETE node/#id Deletes the node, returns new version number(?).

PUT node/create Creates the node, returns new node number.

GET node/#id/history Returns all versions of the node.

GET node/#id/#version Returns the XML for that version of the node.

GET node/#id/ways Returns the XML for all ways that this node is part of.

GET node/#id/relations Returns the XML for all relations that this node is part of.

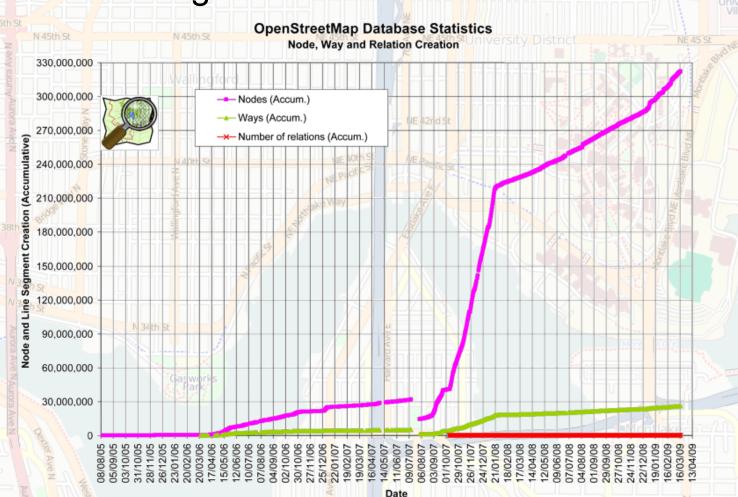
GET nodes?nodes=#id,#id,... Returns the XML for all given node numbers.

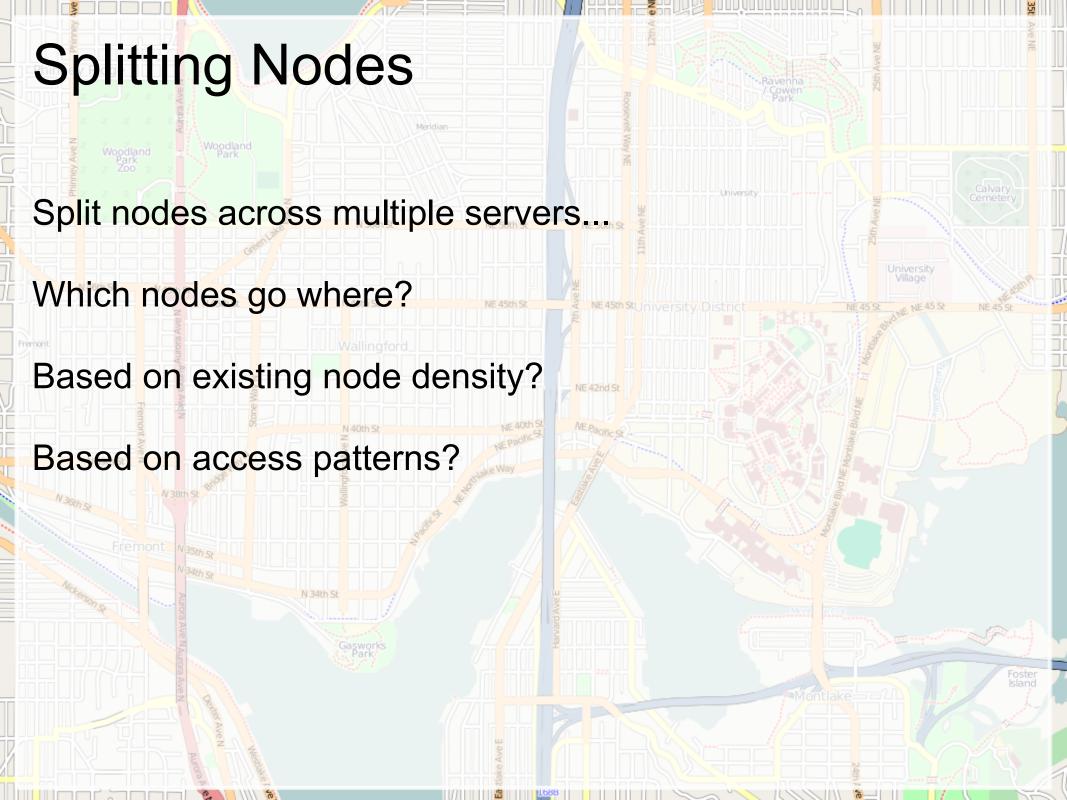
GET map?bbox=min_lat,min_lon,max_lat,max_lon Gets all the way, nodes and relations inside a bounding box

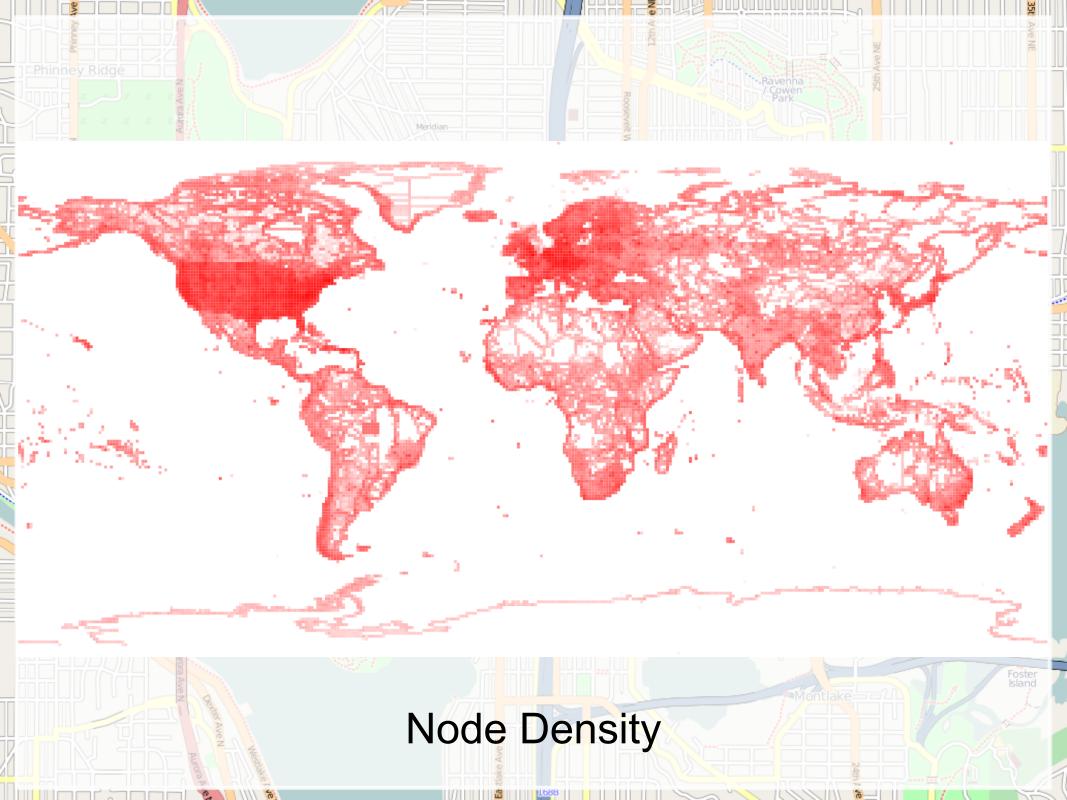
Challenges

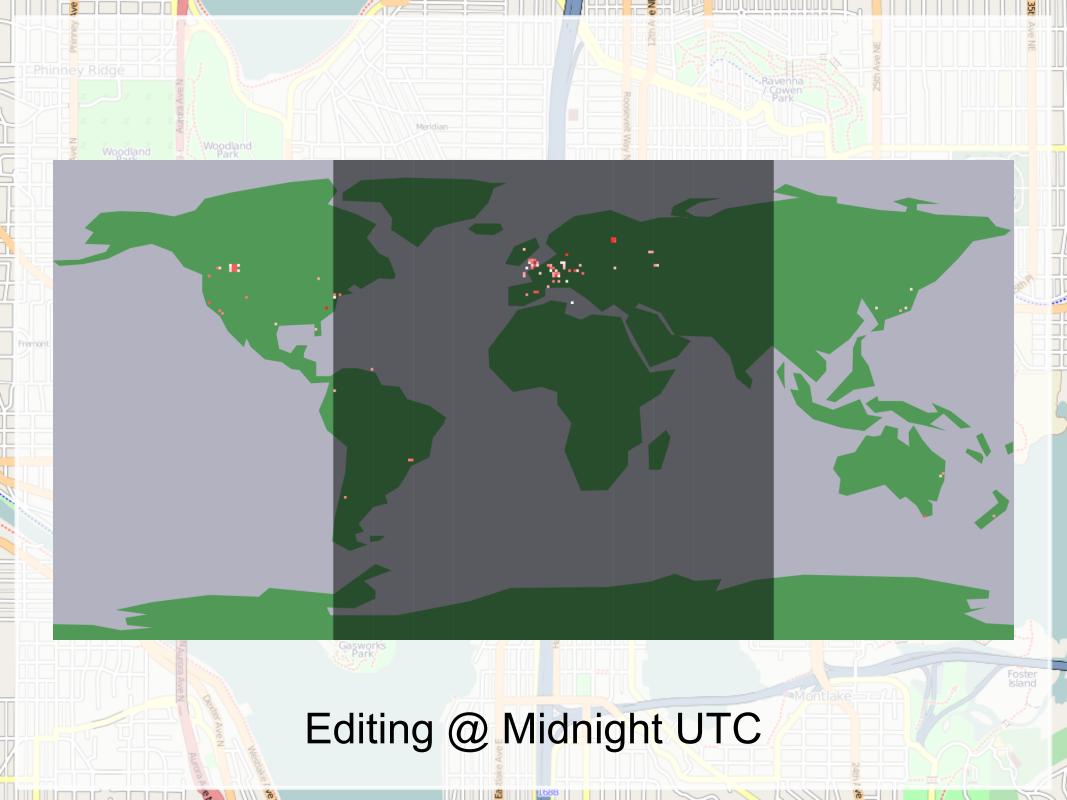
Optimize bounding box.

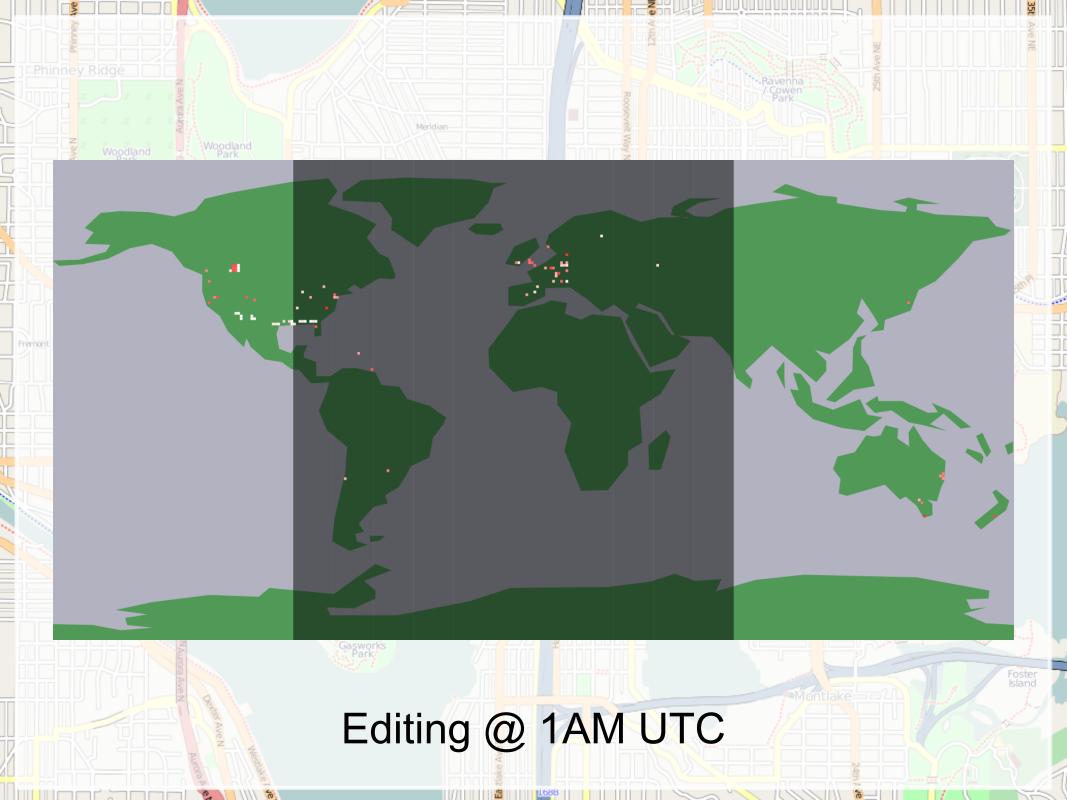
Distribute data amongst servers.

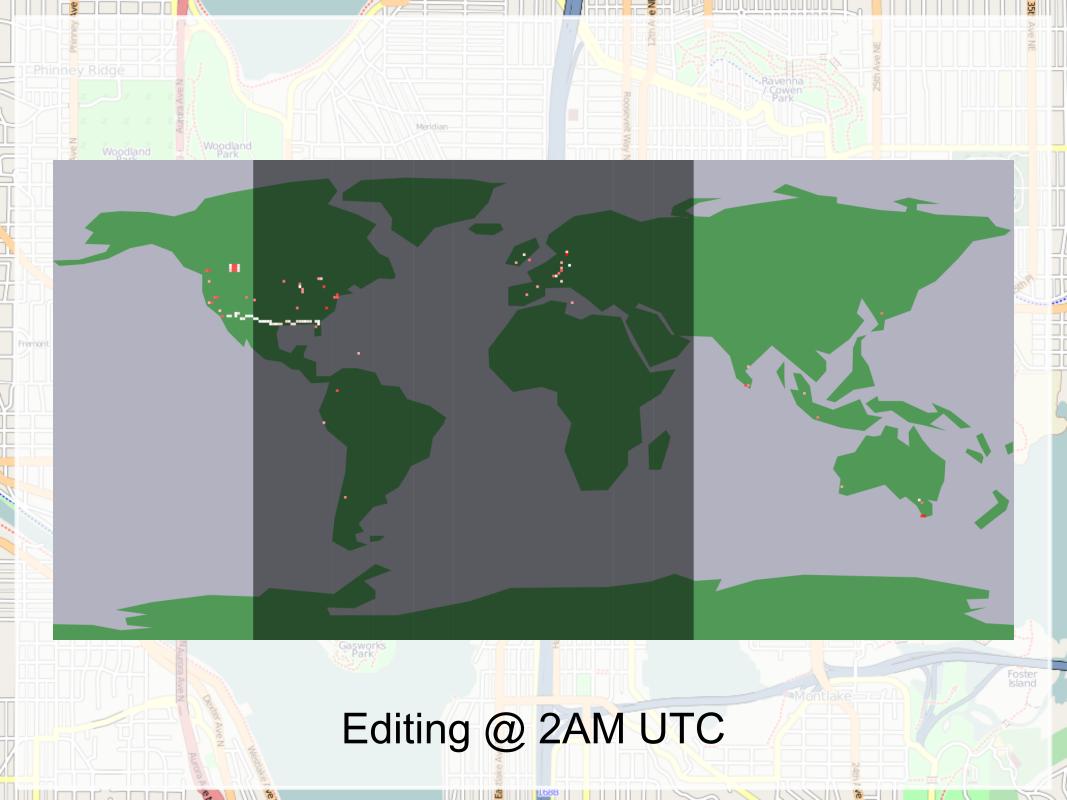


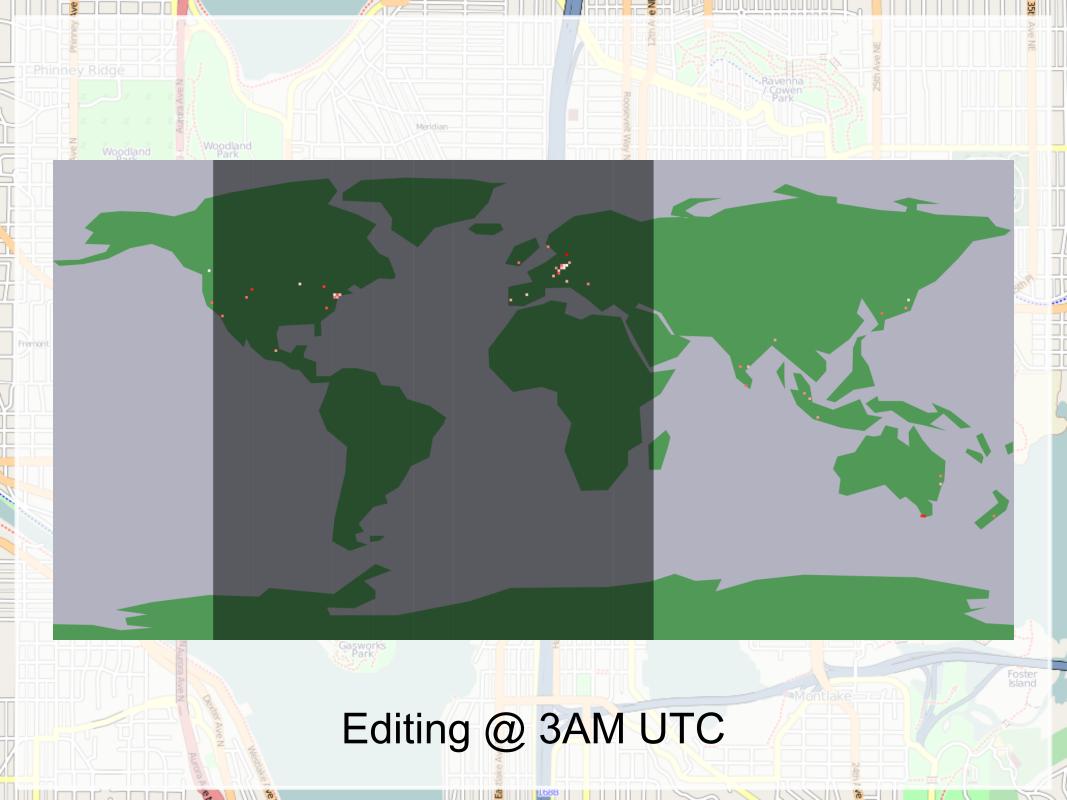


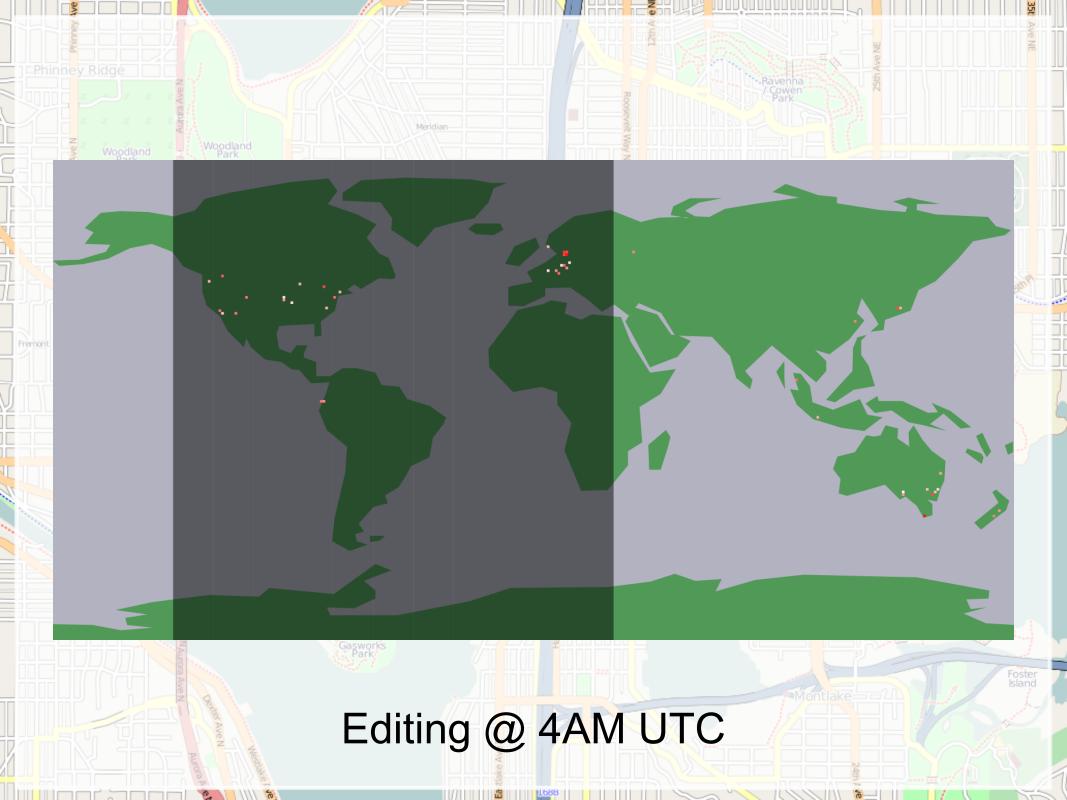


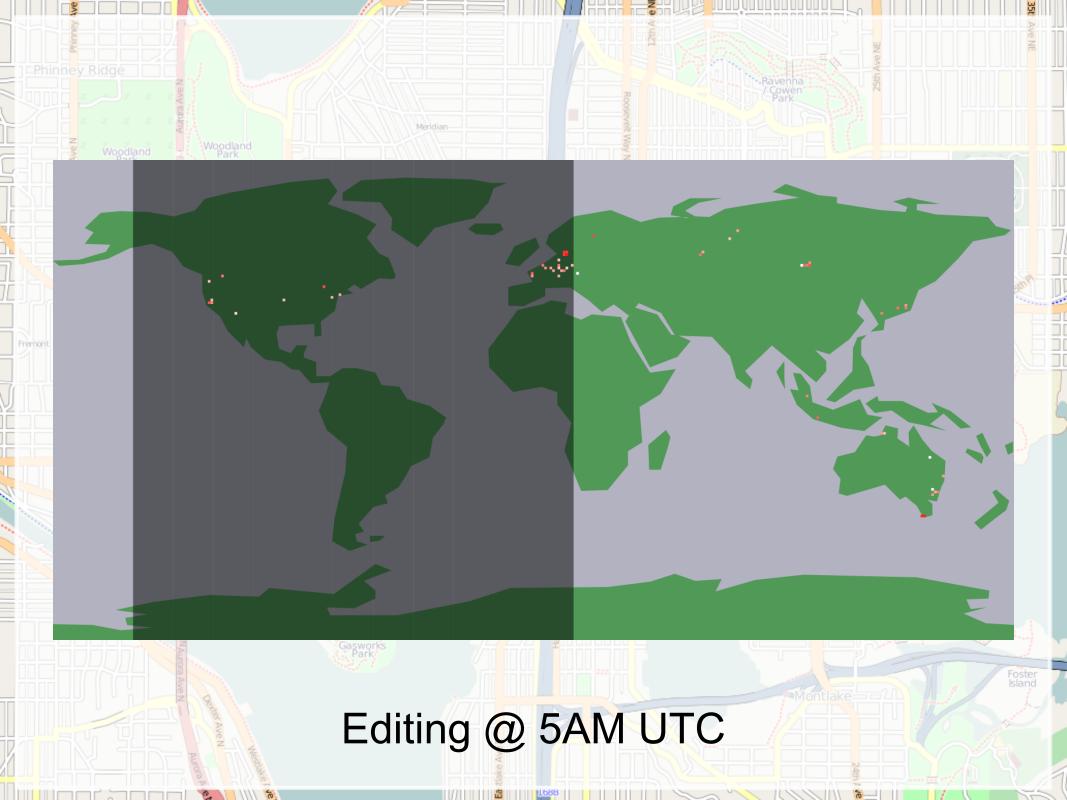


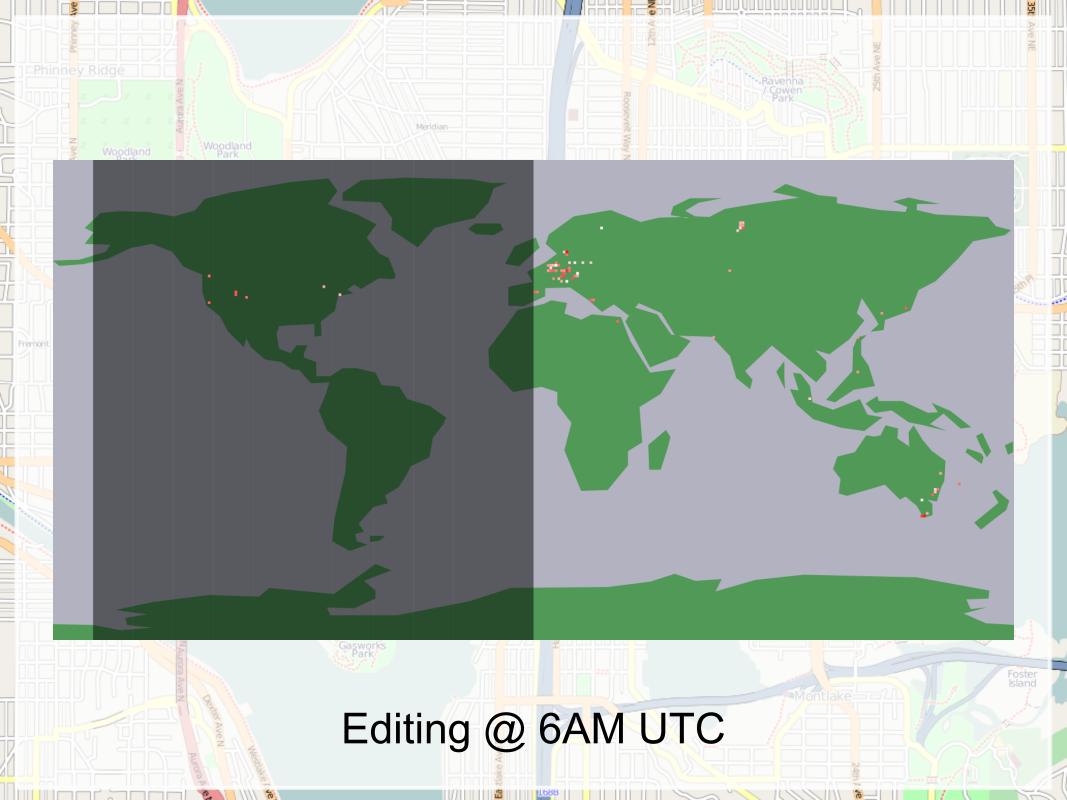


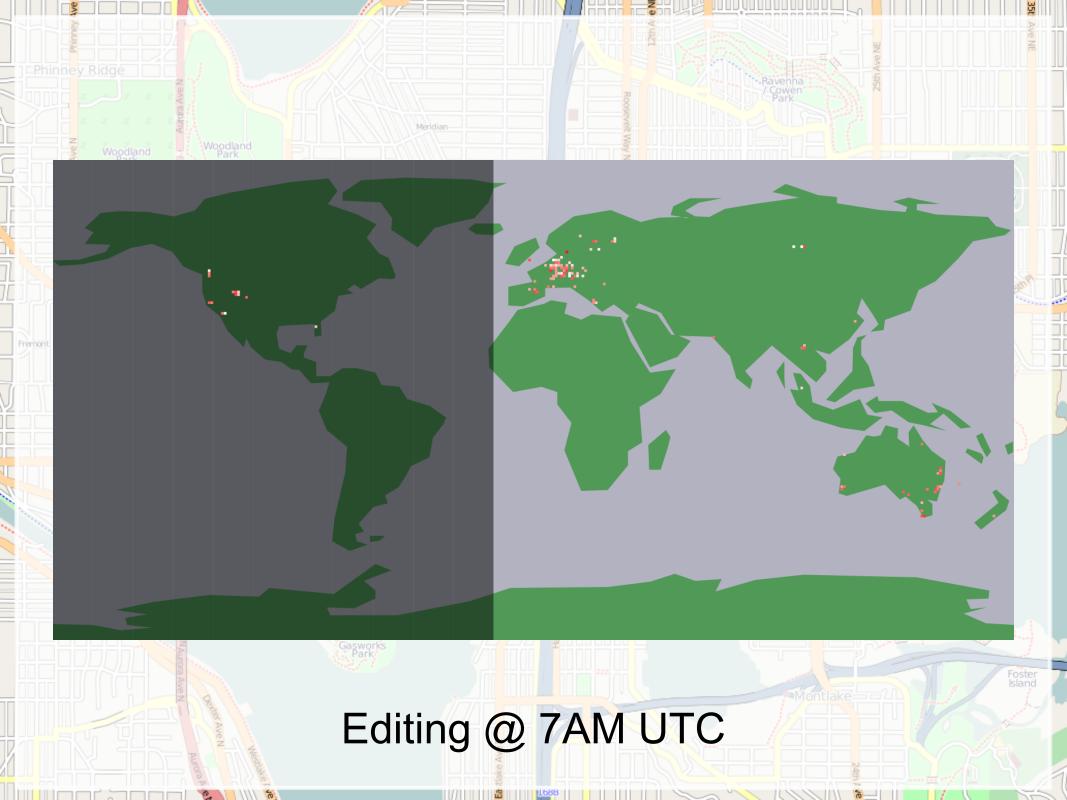


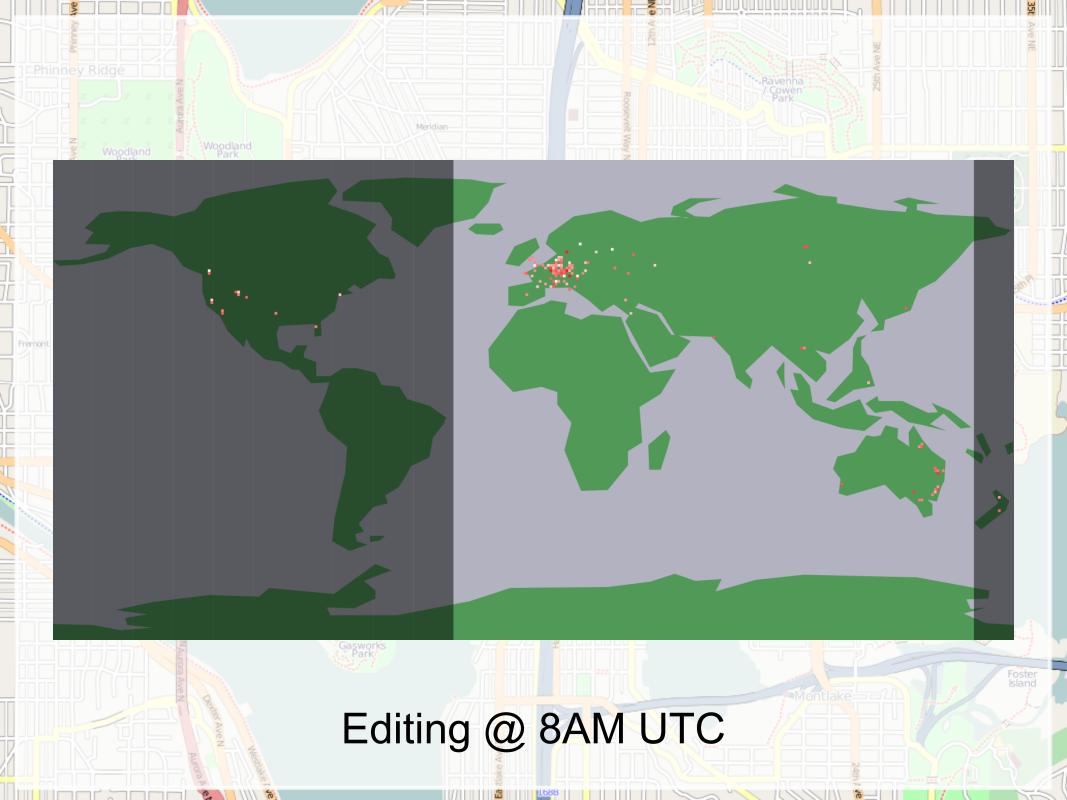


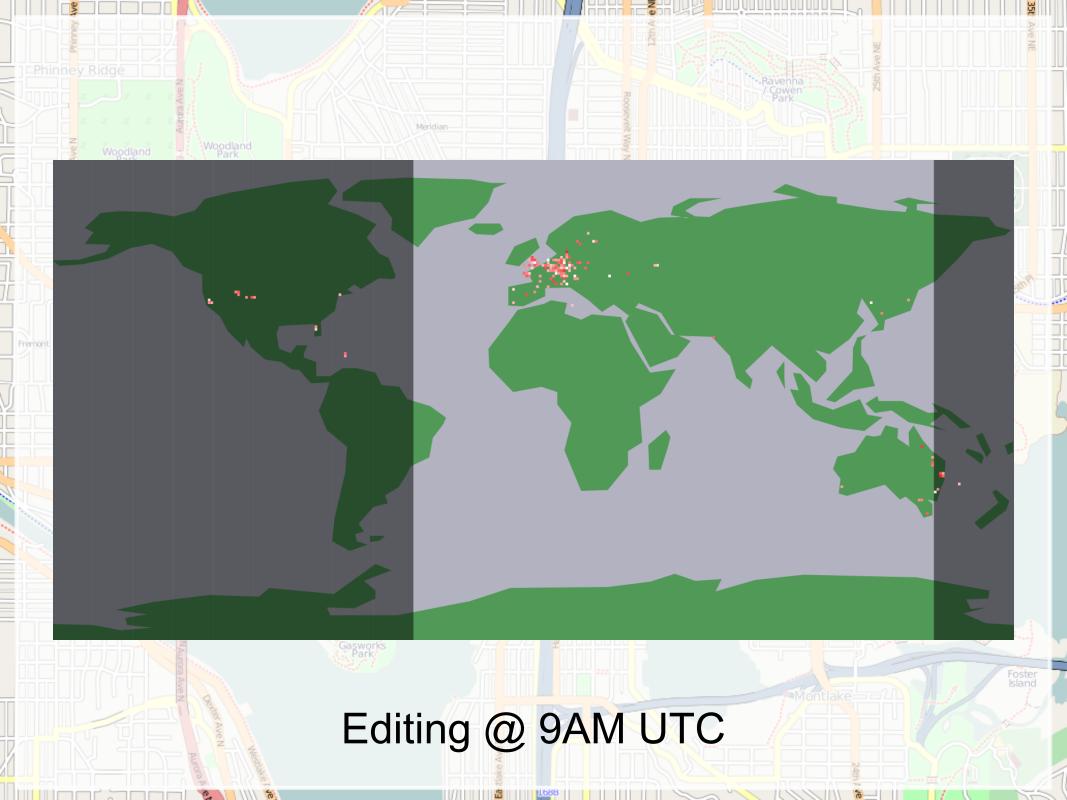


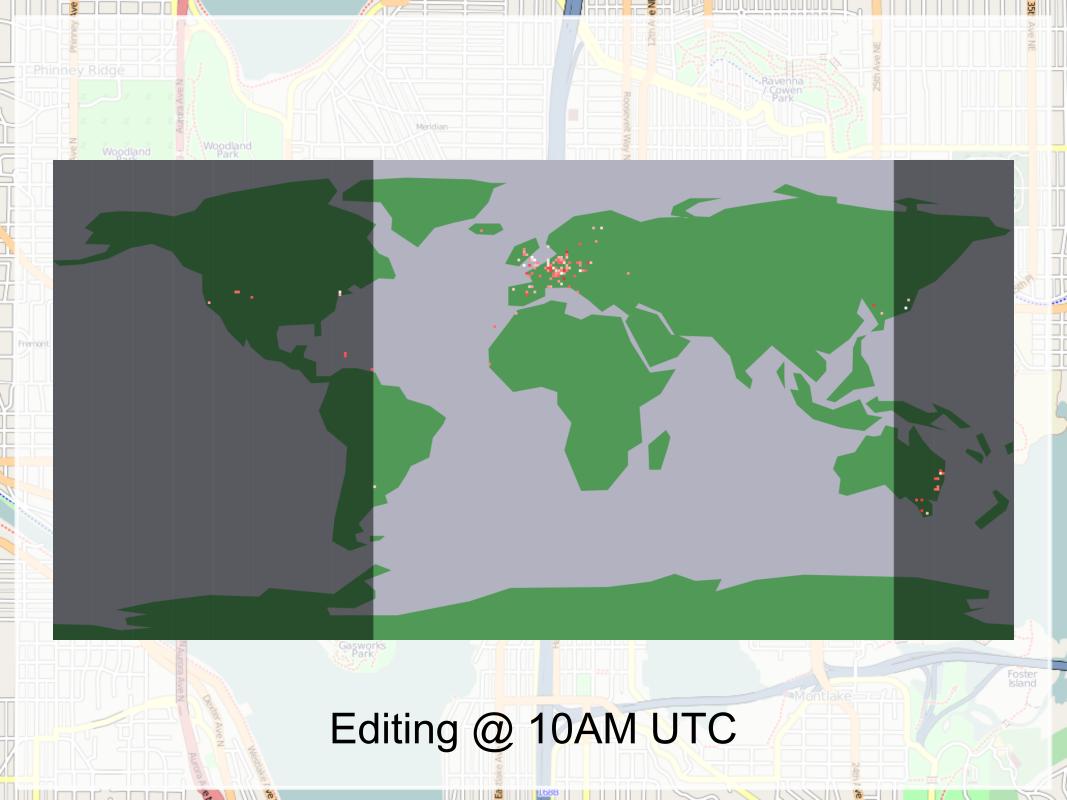


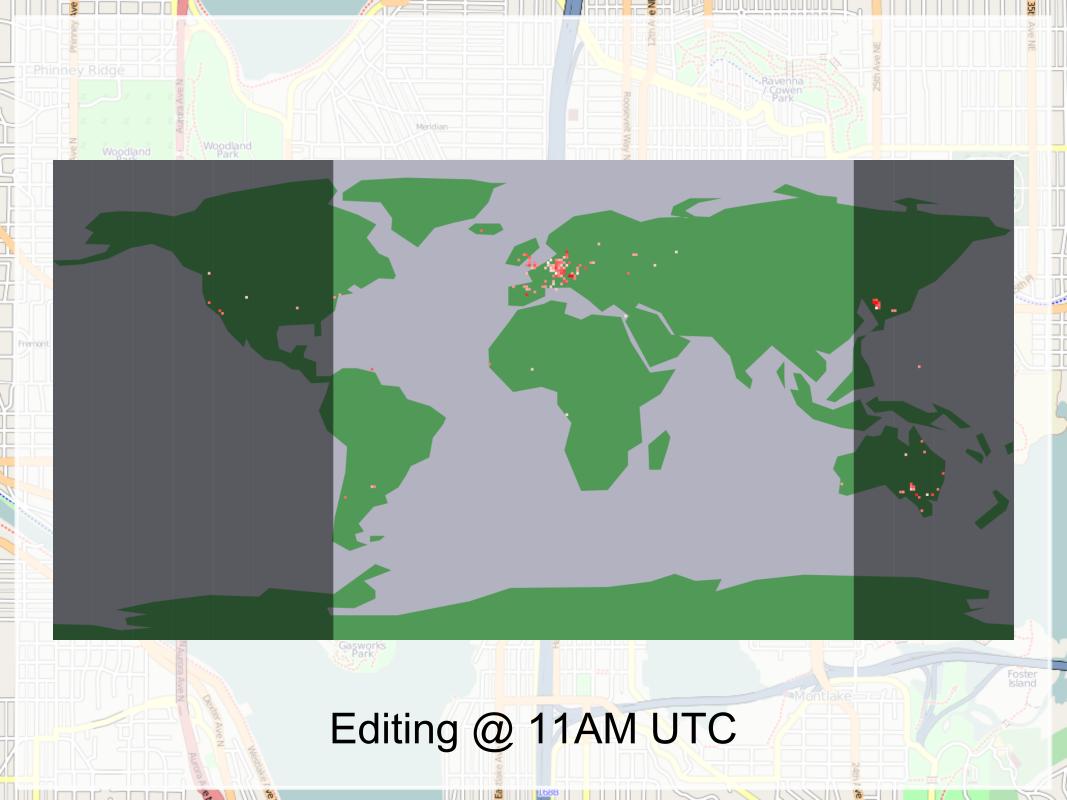


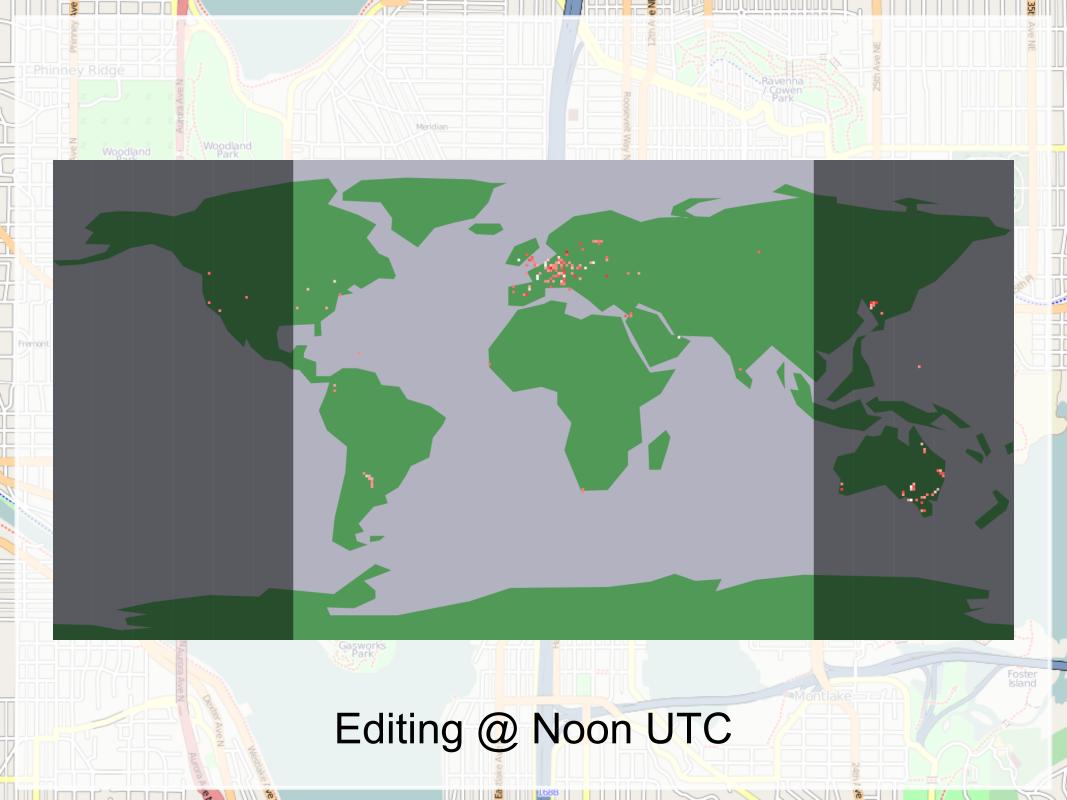


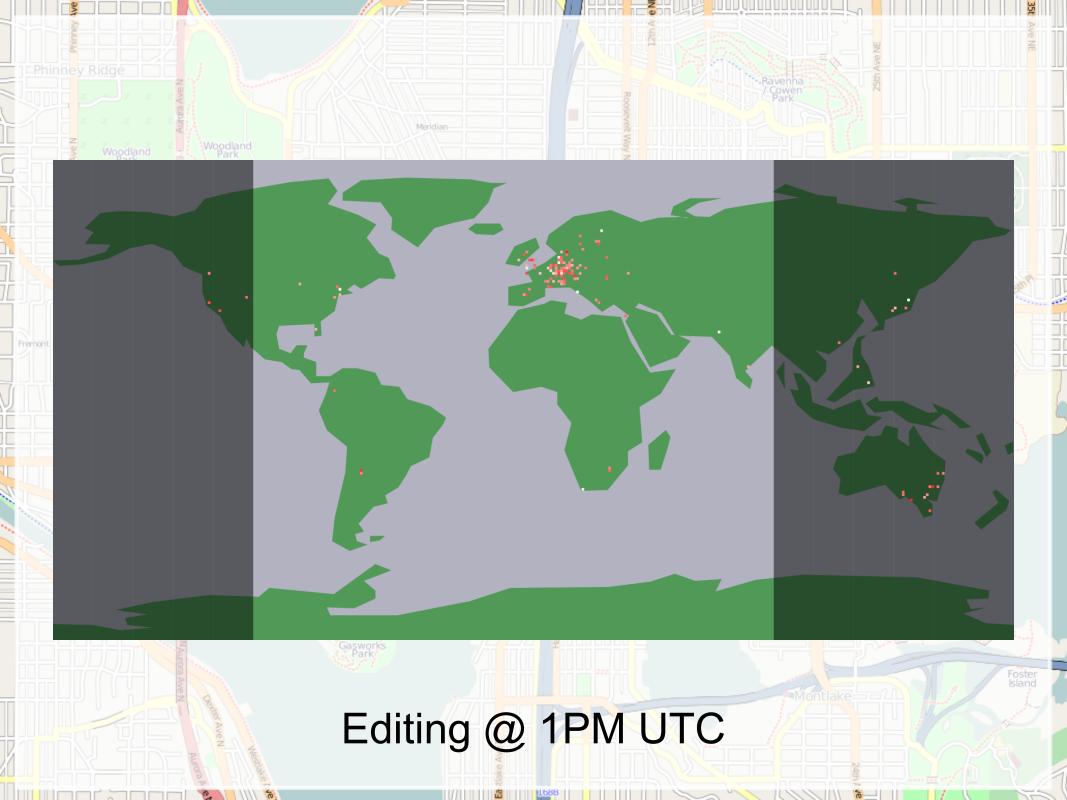


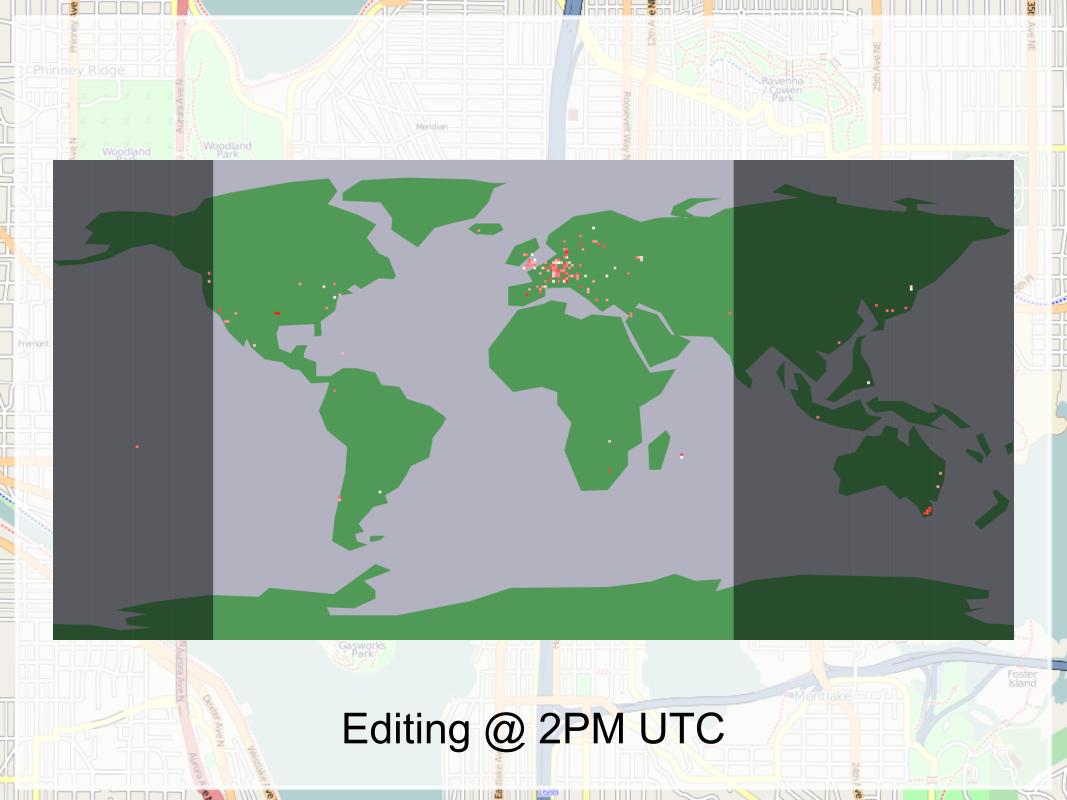


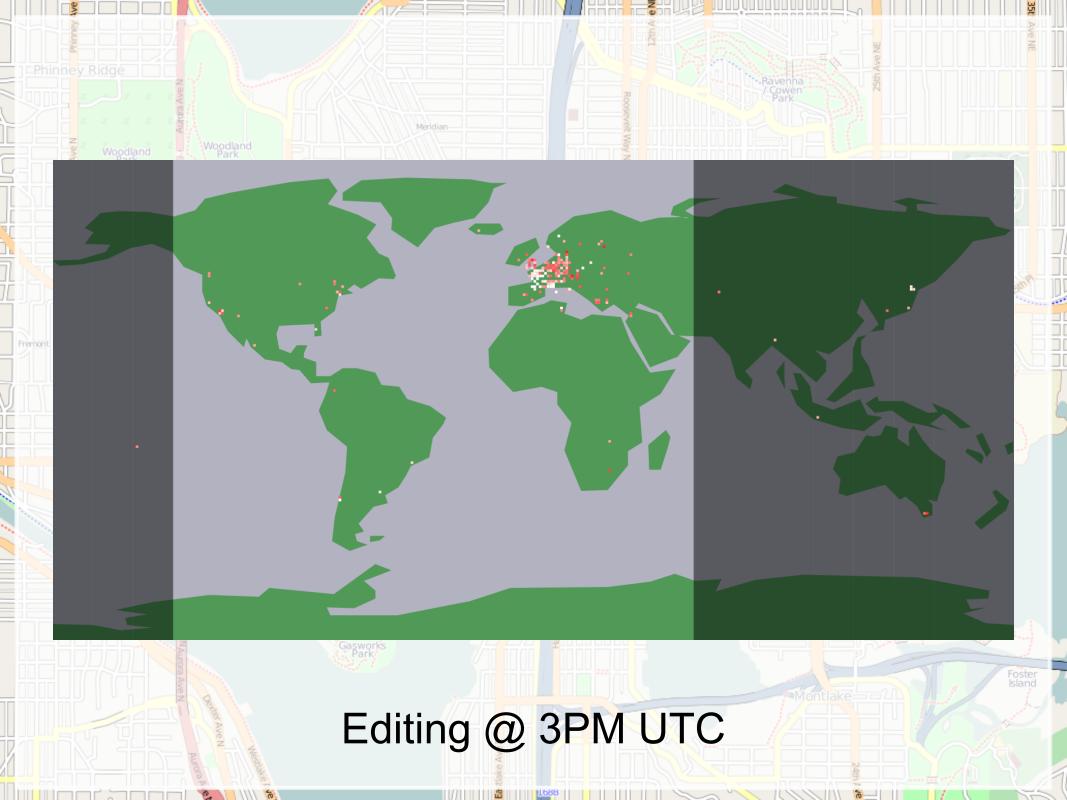


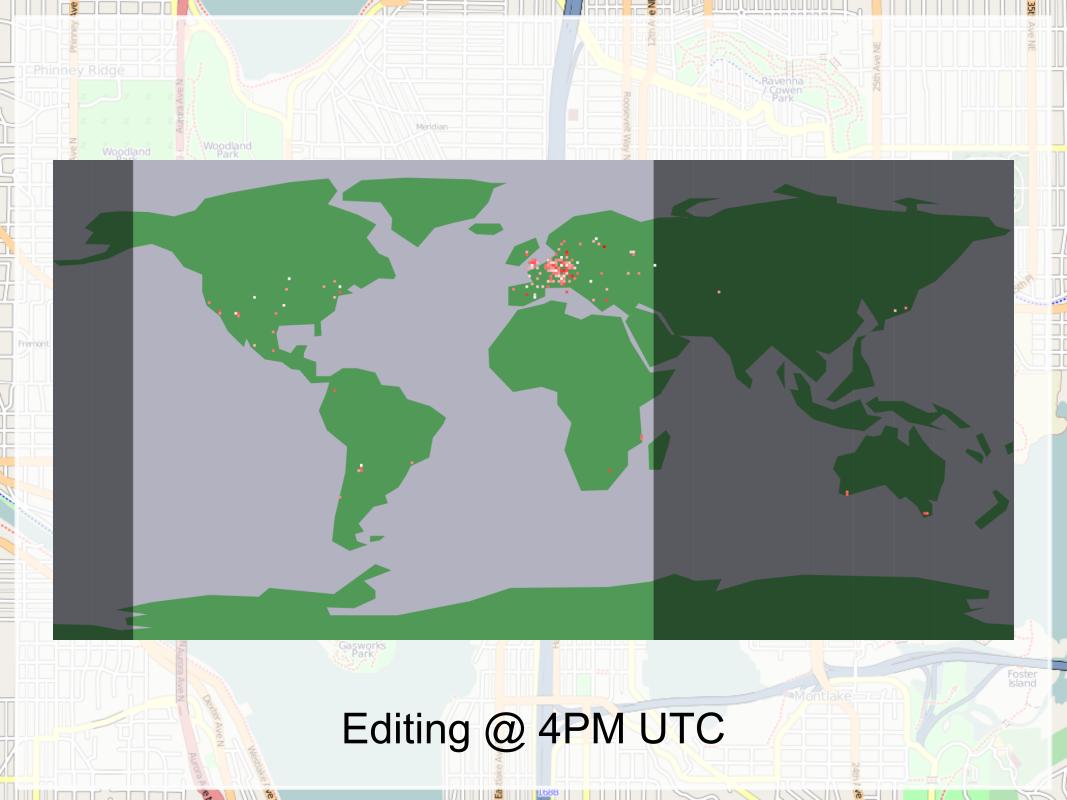


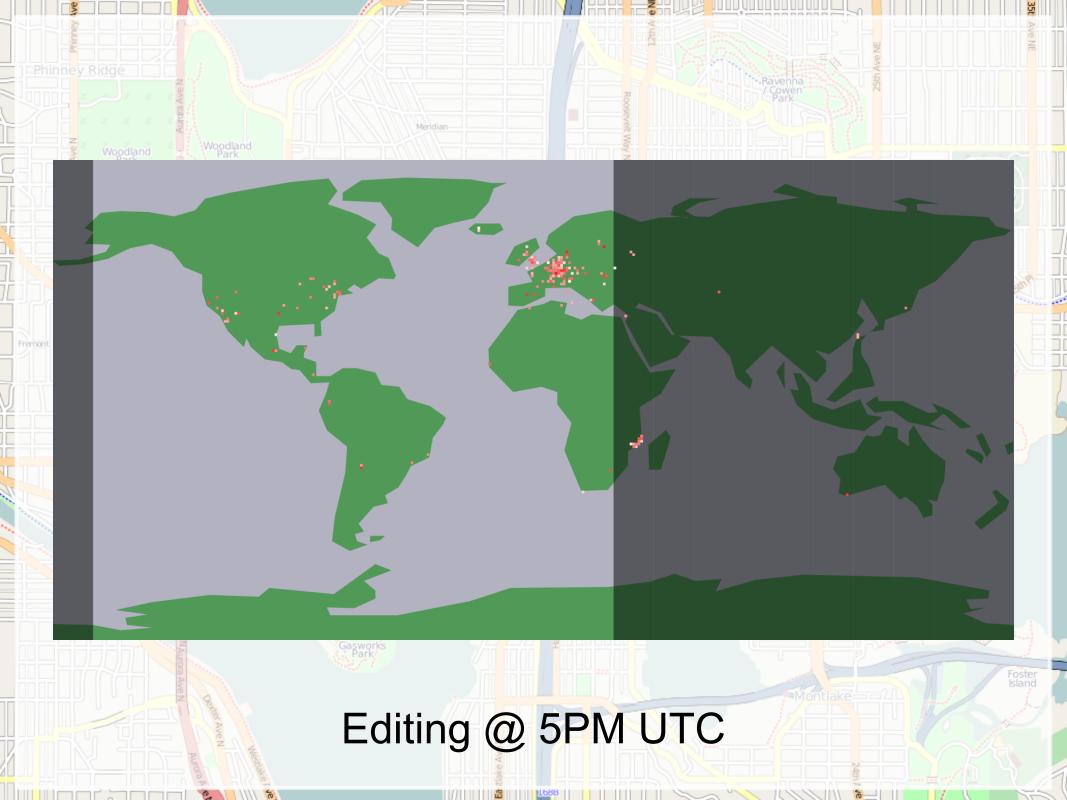


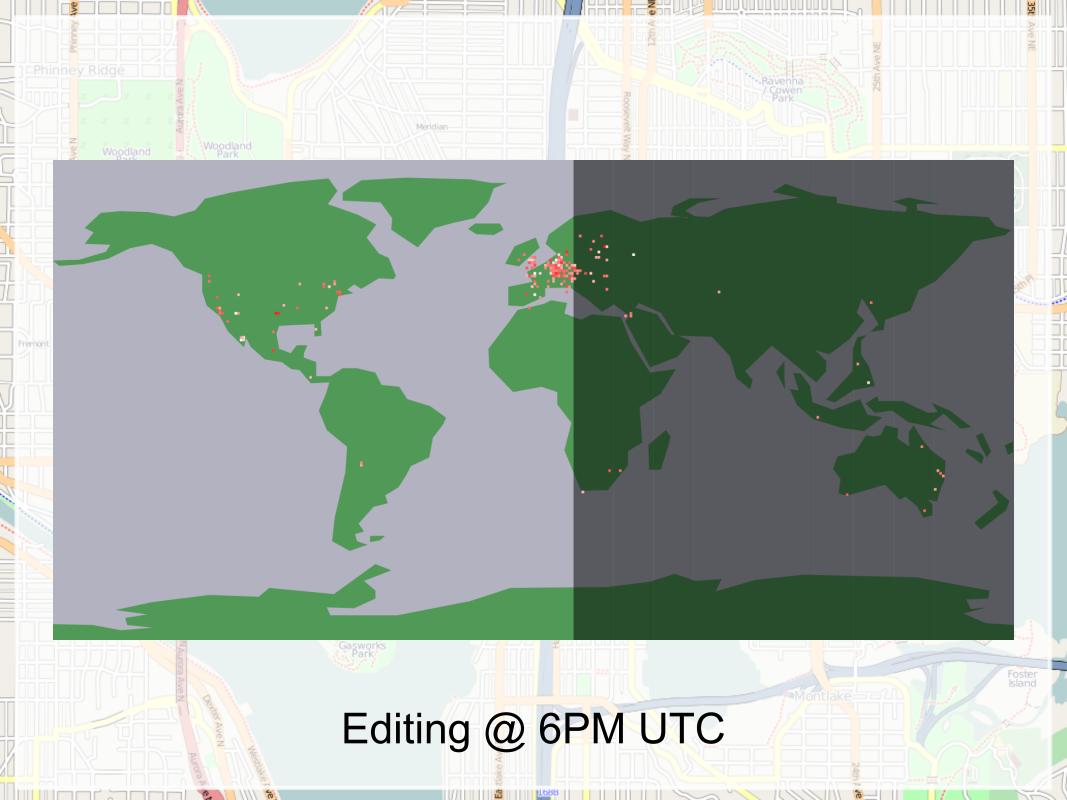


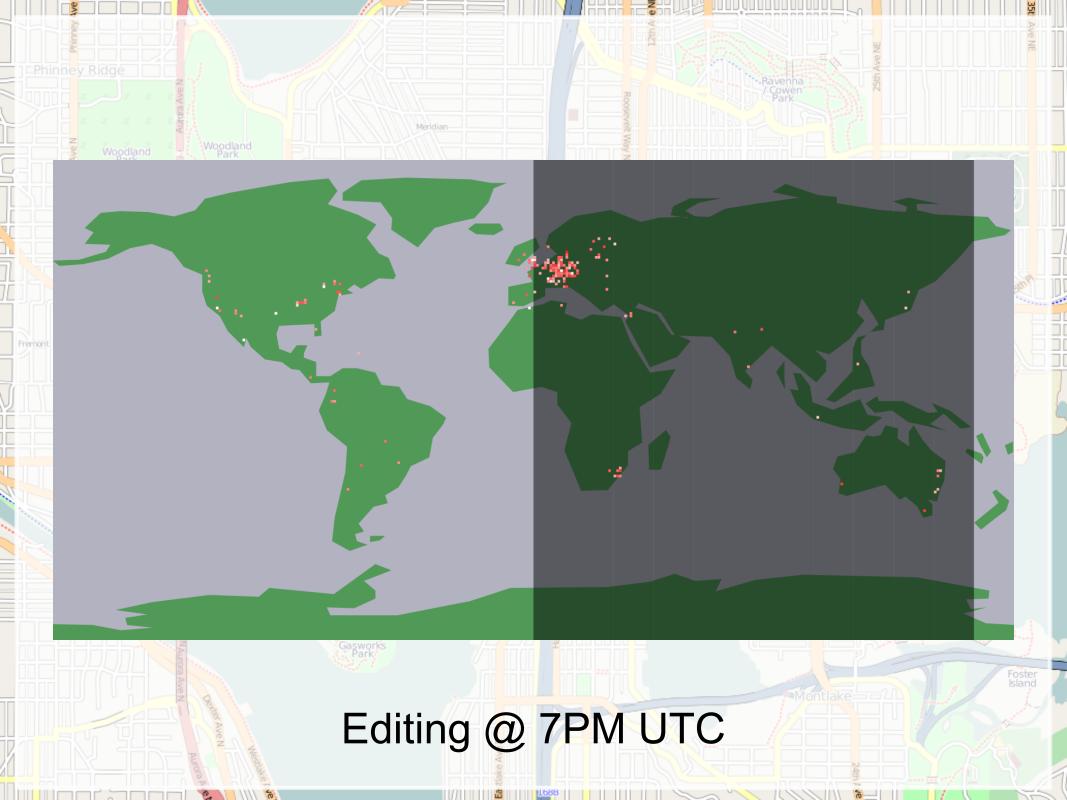


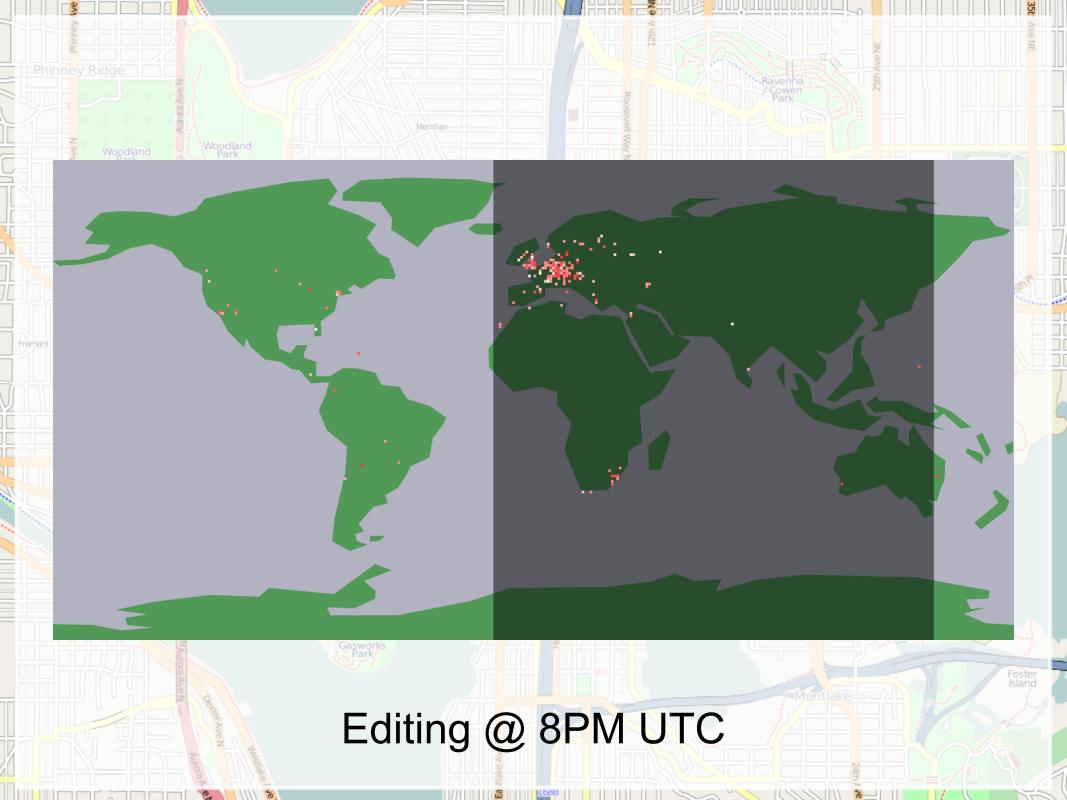


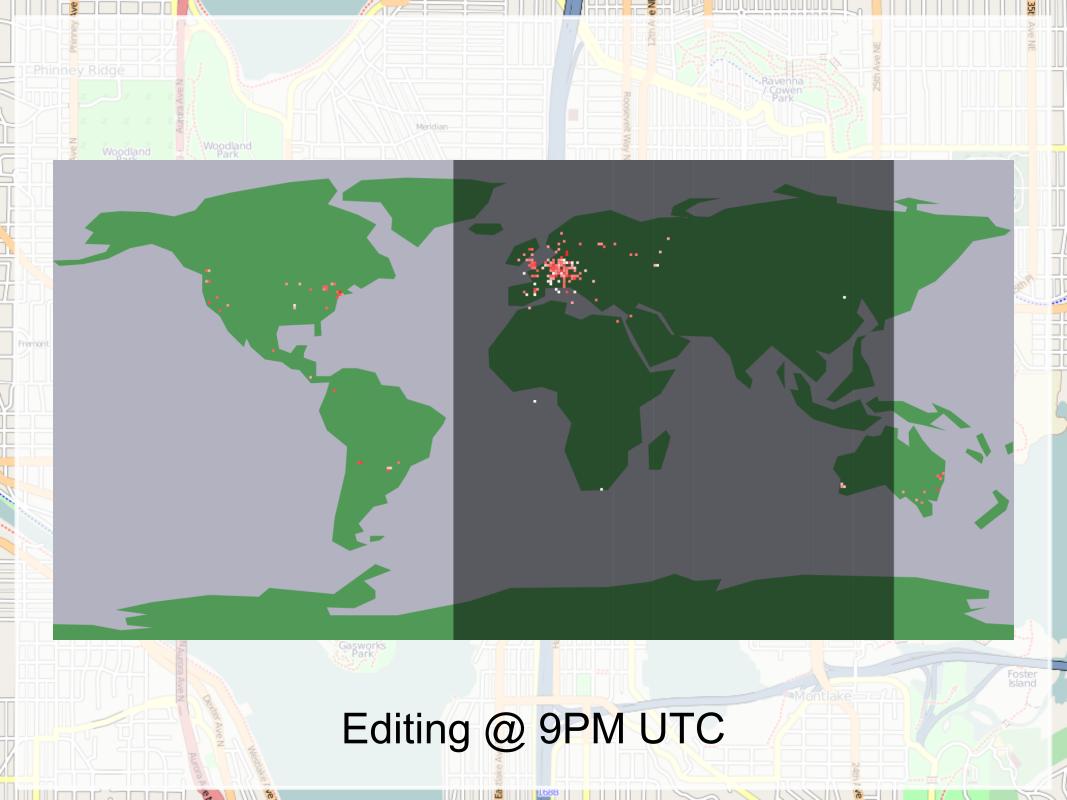


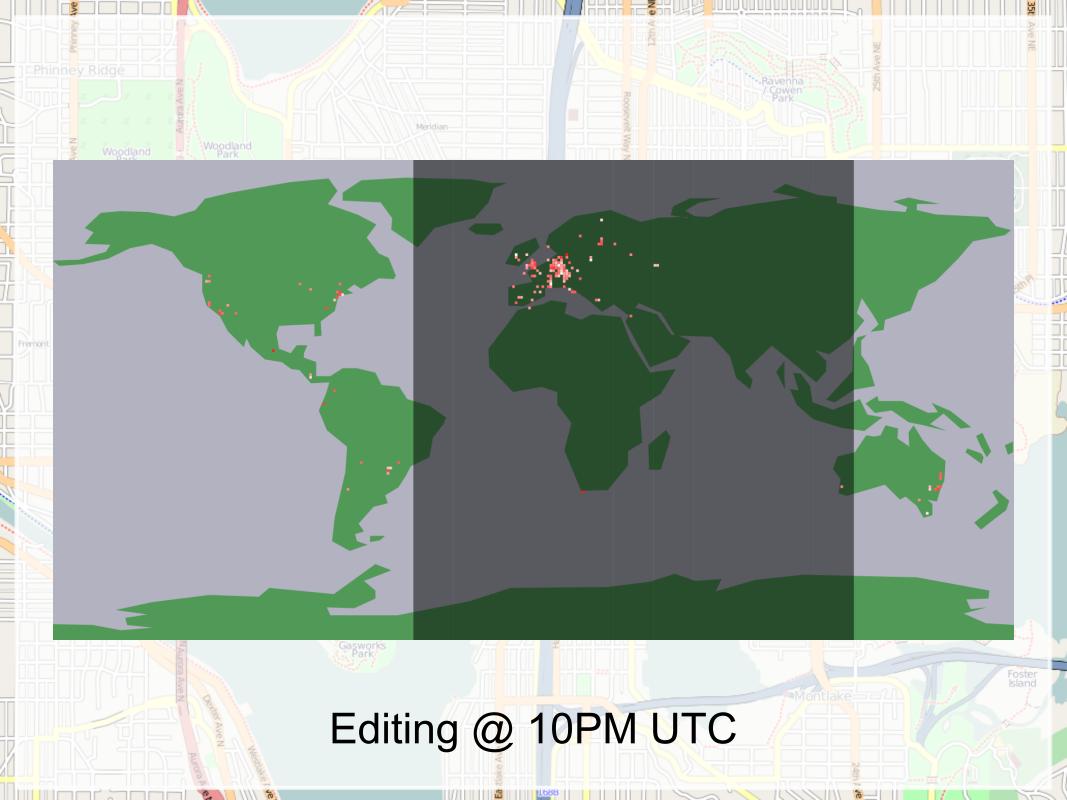


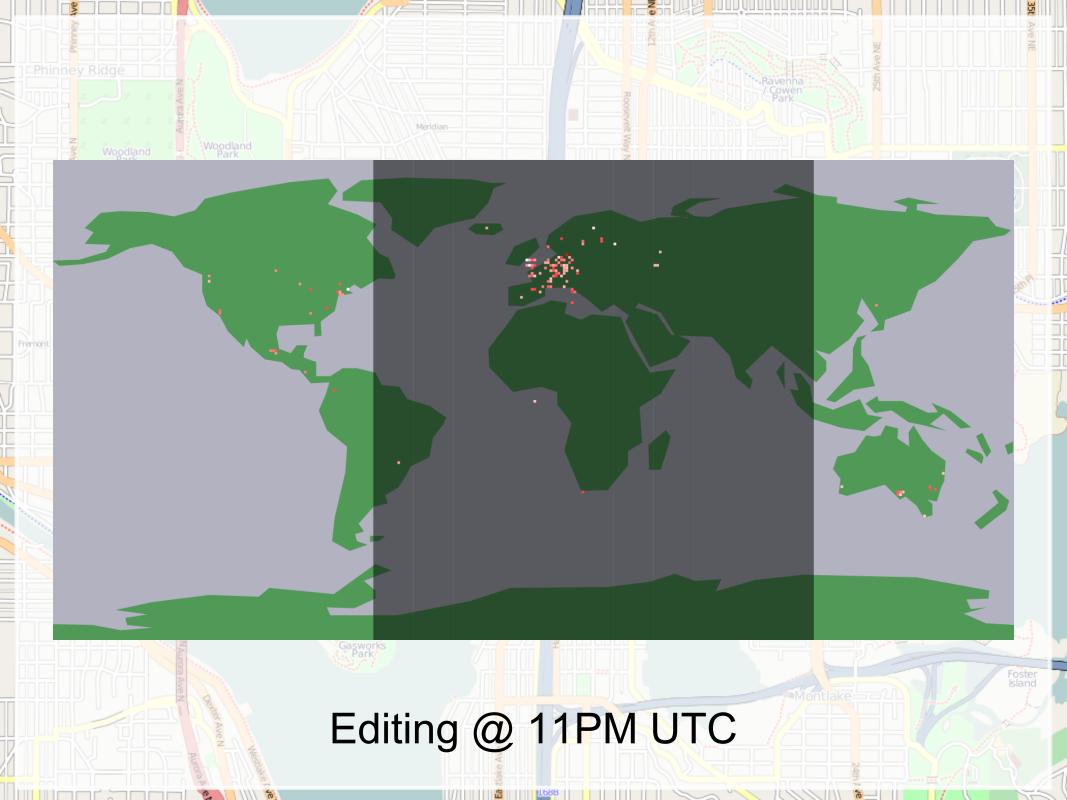


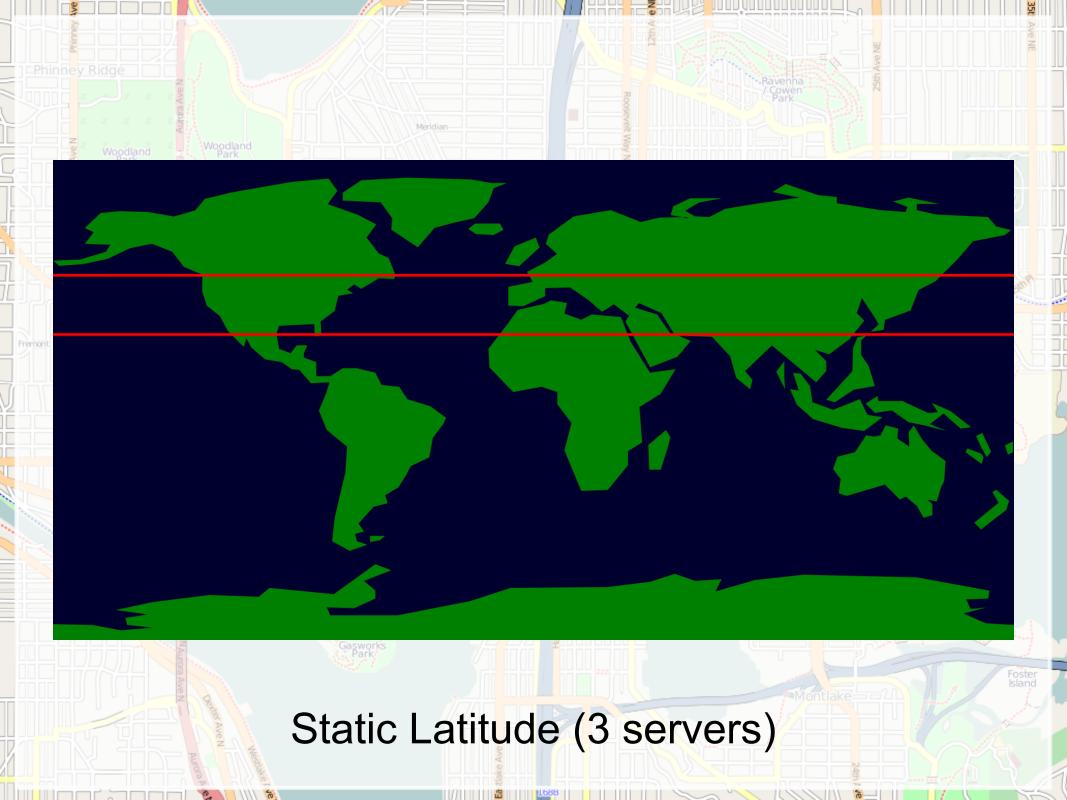










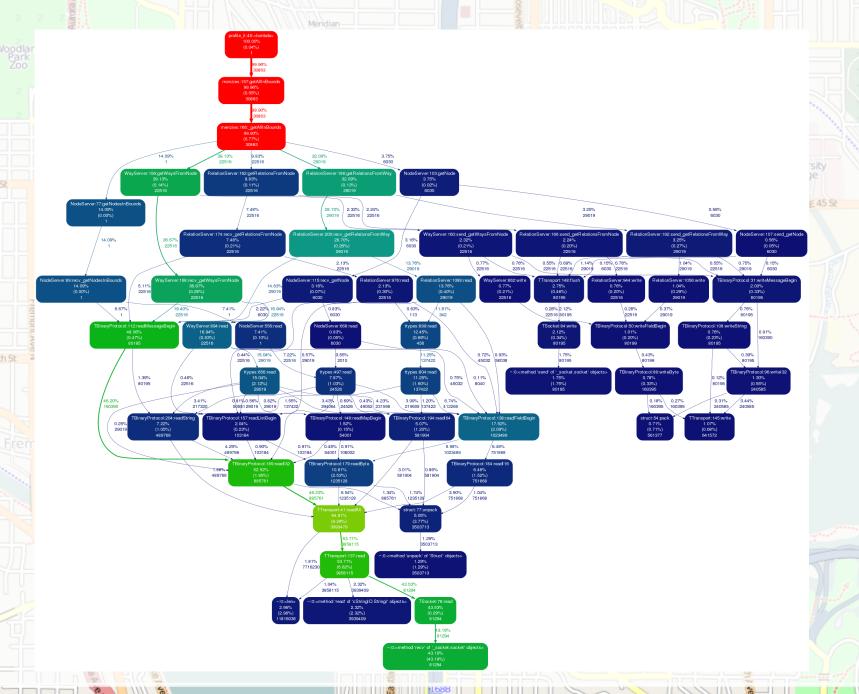


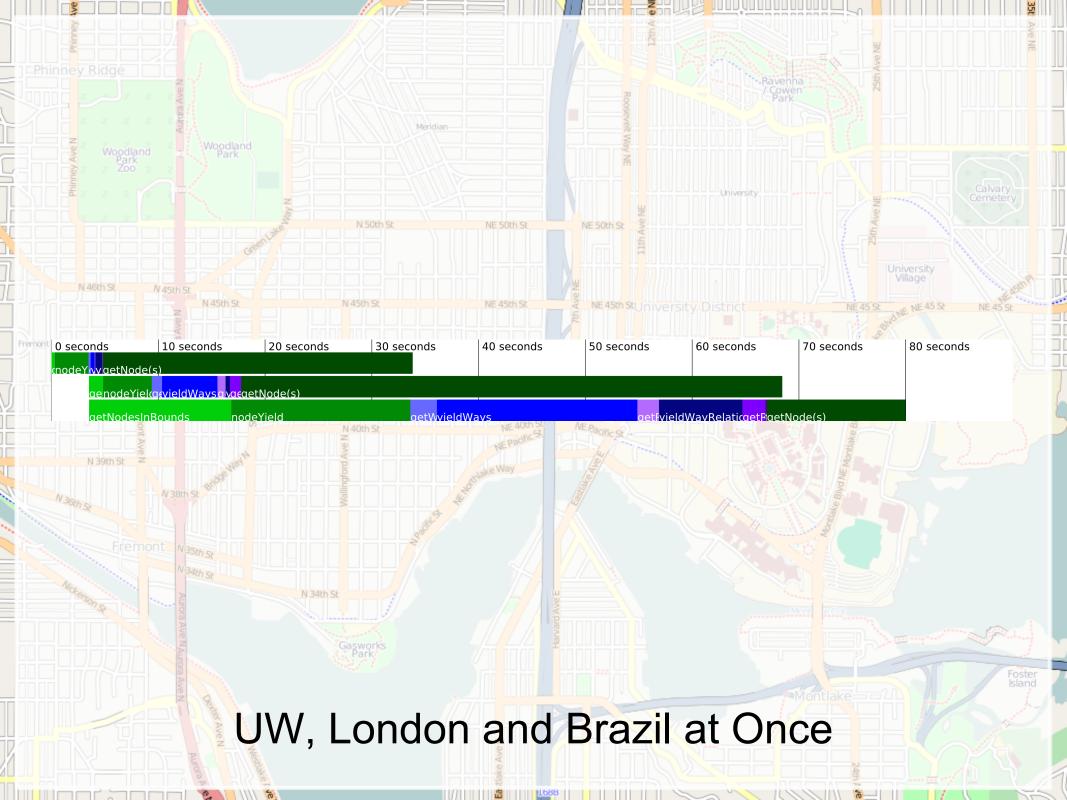
Finding Nodes R-tree: Spatial index implementation

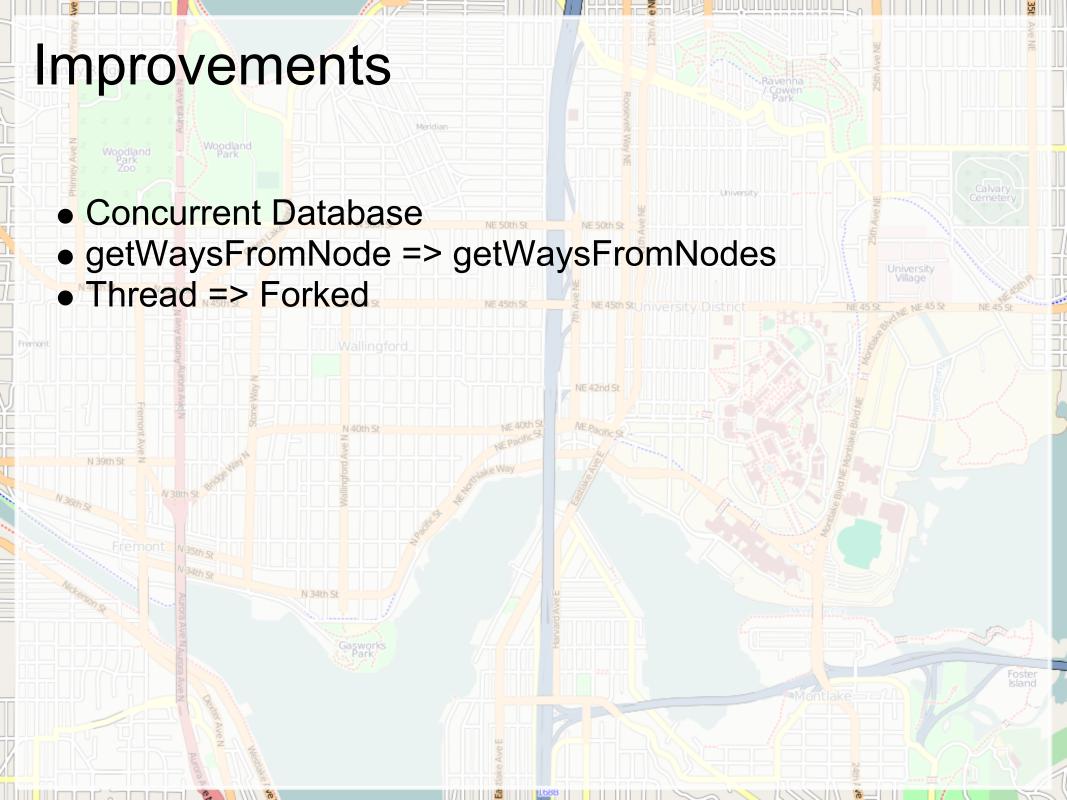
Three levels of the R-tree containing Africa

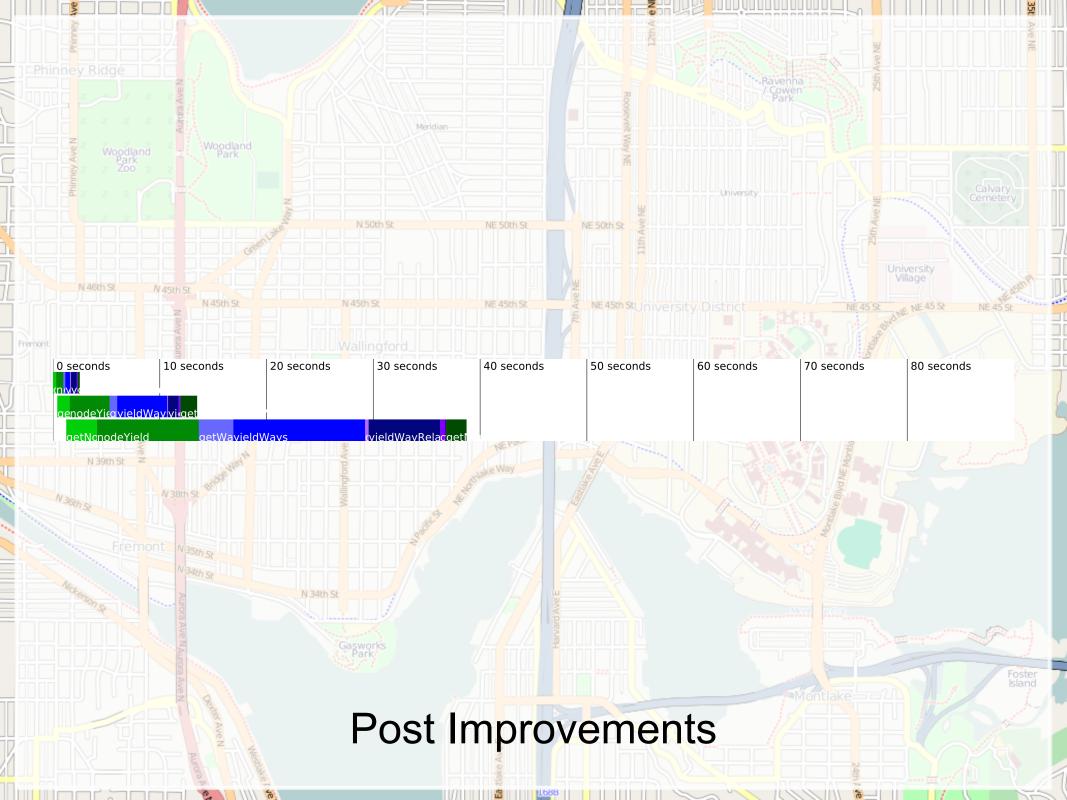
Before Profiling

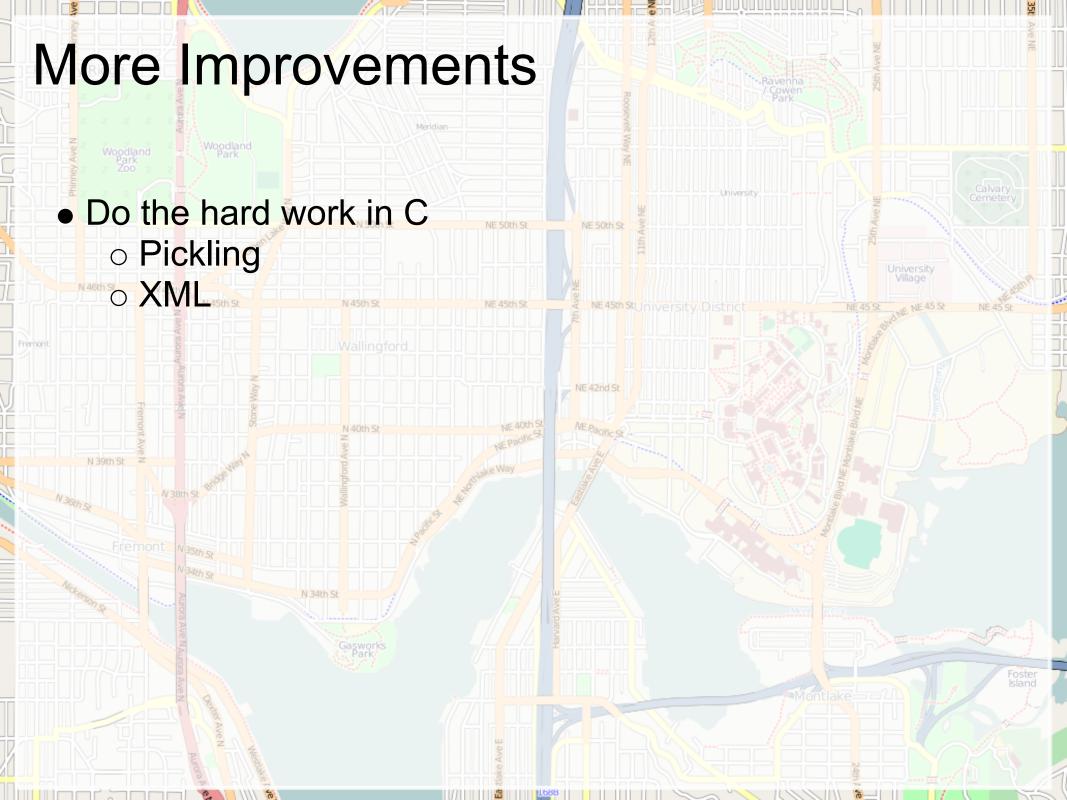


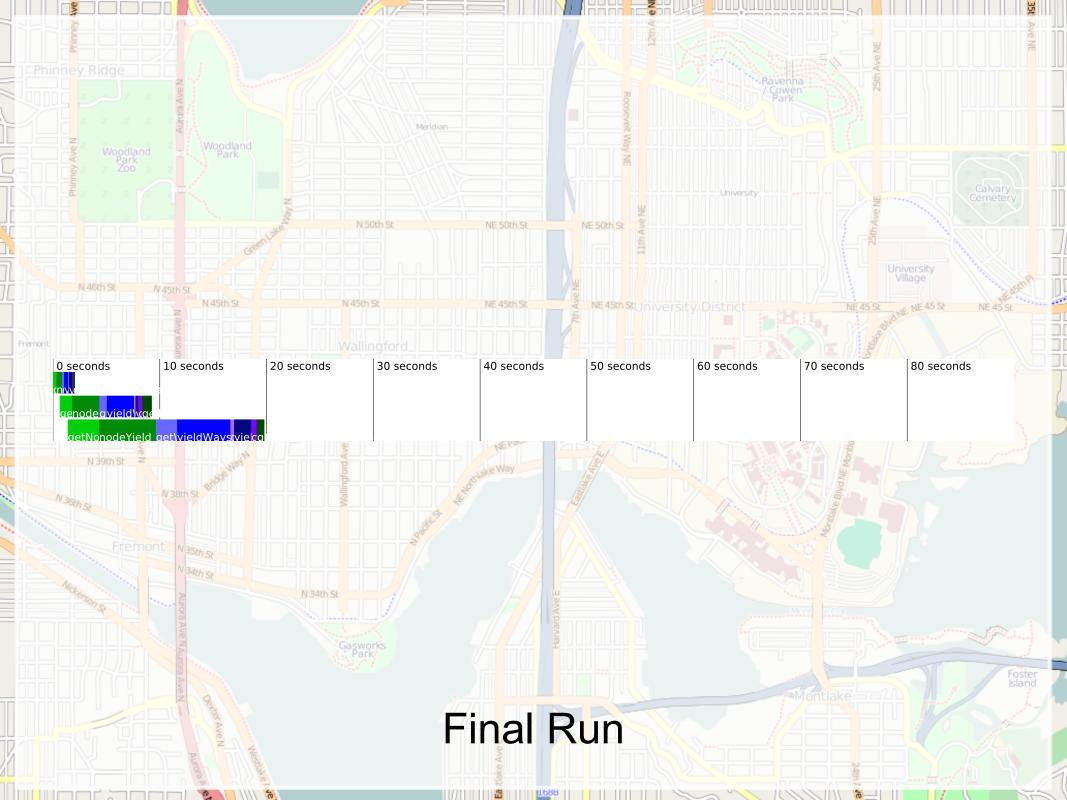






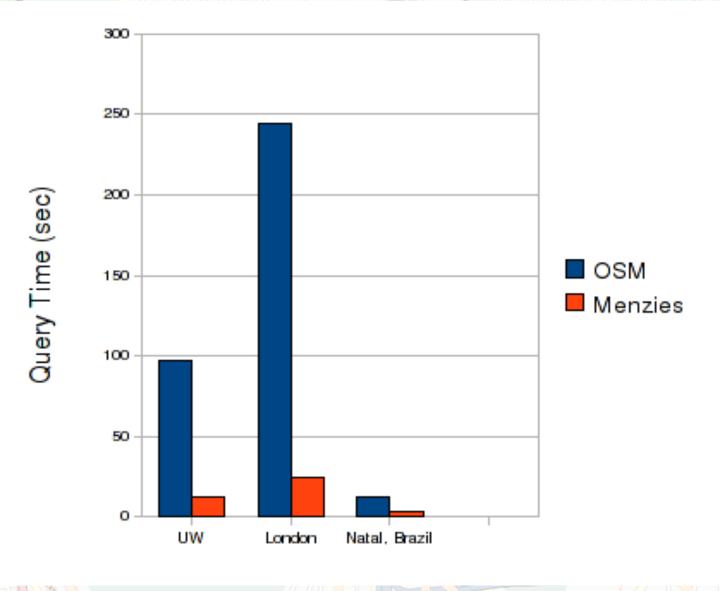






After Profiling odeServer:895 1.07% (0.00%) 3

Comparison



Bounding Box Queries