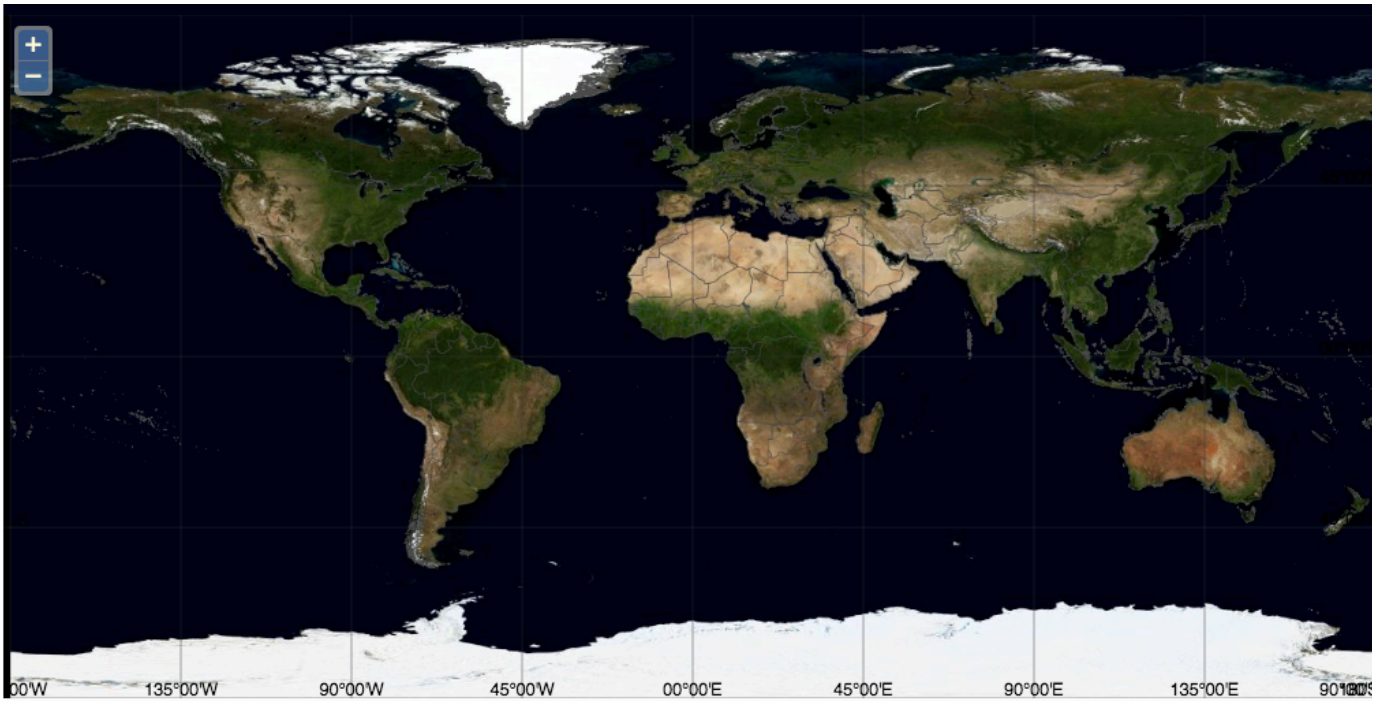
NCR 11011999 Discussion

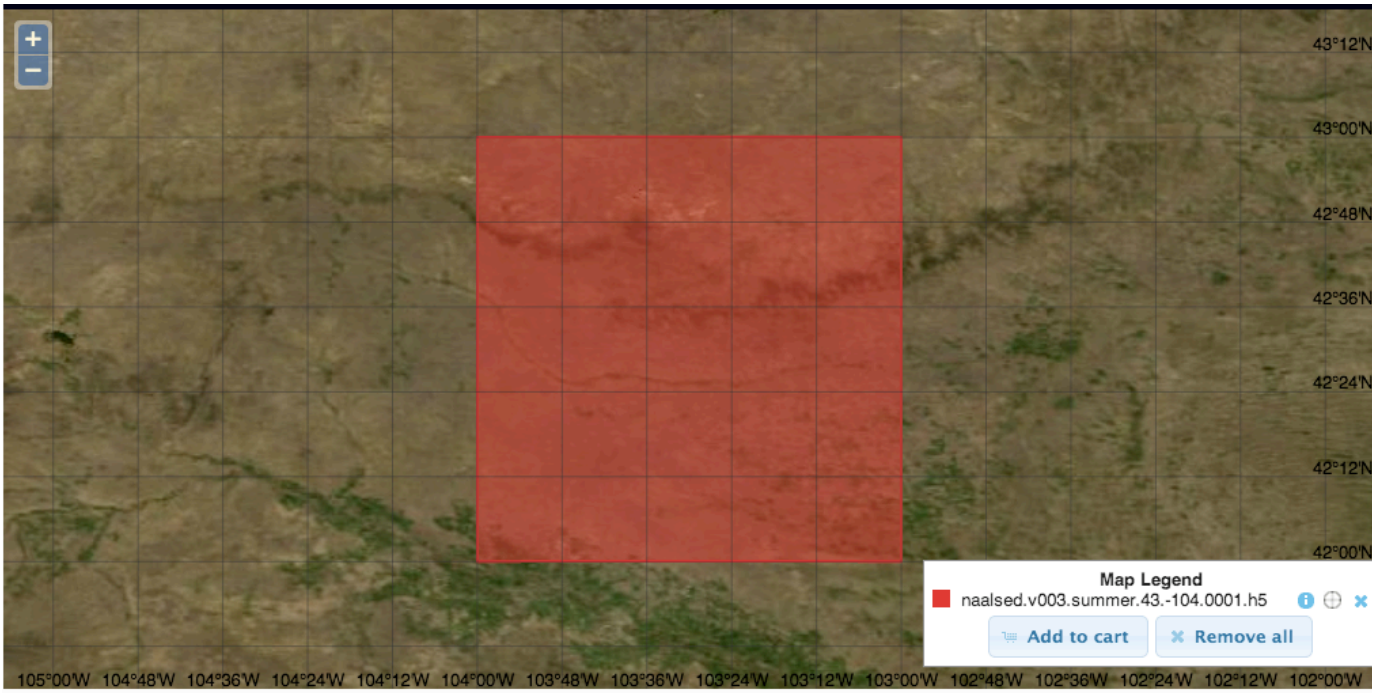
Developer Comments

For NCR 11011999, I am modifying the granule results map view tab so that when a user adds a granule to the map display, the map will be zoomed to the extent of the granule (or the extent of all displayed granules, if there are already granules in the display). In addition, if a user clicks the granule's 'crosshair' button in teh map legend, the map will be zoomed to the extent of just this granule. Below are some screen shots of this behavior. Before committing this change, I want to make sure that this is a desirable change for all users. I don't want to make a change to satisfy one provider (LPDAAC), and then have that be undesirable for others. If this would be confusing, we could add a switch to turn this behavior on and off.

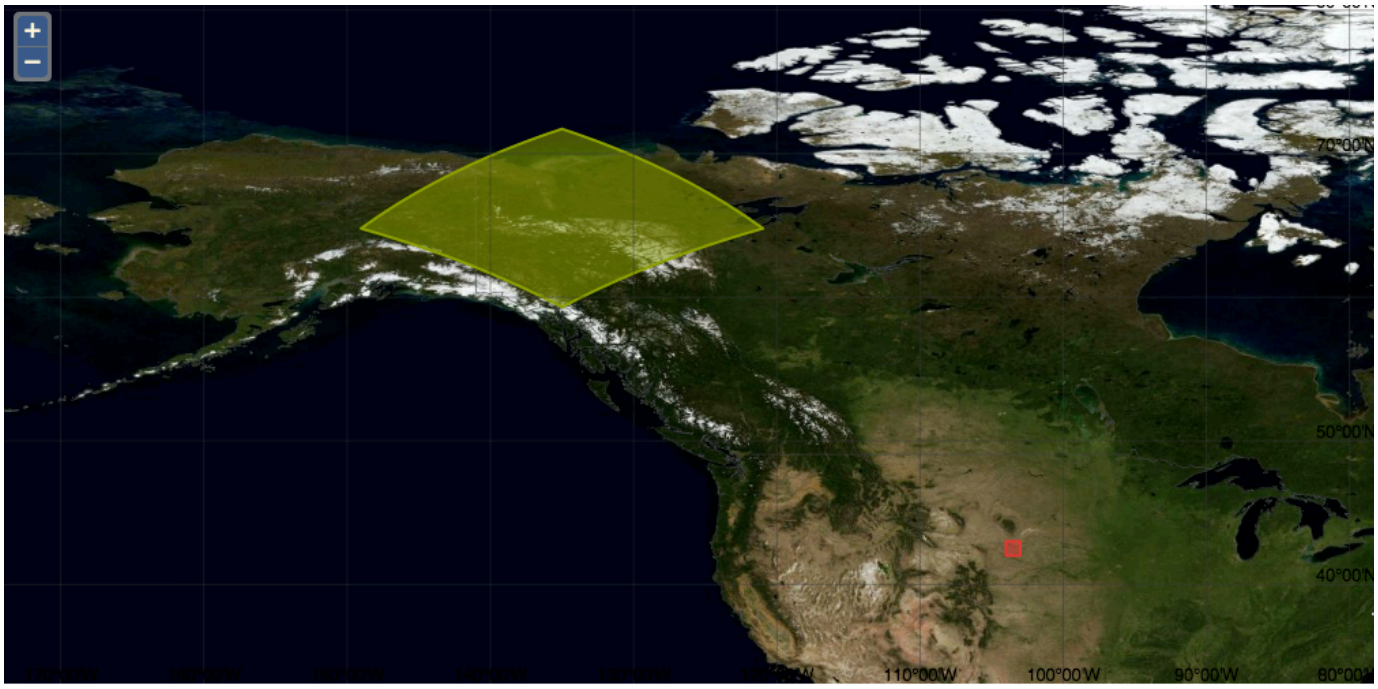
Before selecting any granules:



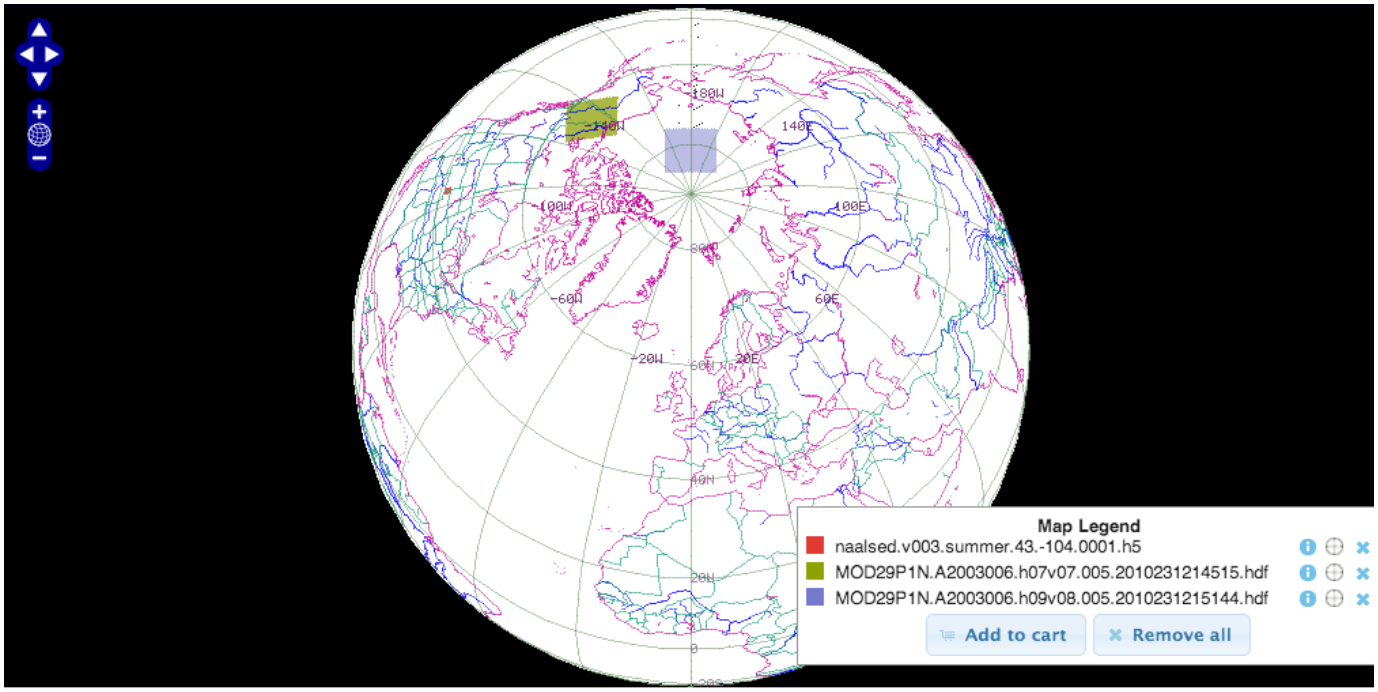
Automatically zoomed after adding a NAALSED granule which is in the US midwest (this is the collection specified in the NCR). The same effect will be achieved by moving the map elsewhere and then clicking the 'crosshair' in the map legend:



Automatically zoomed after adding another granule:

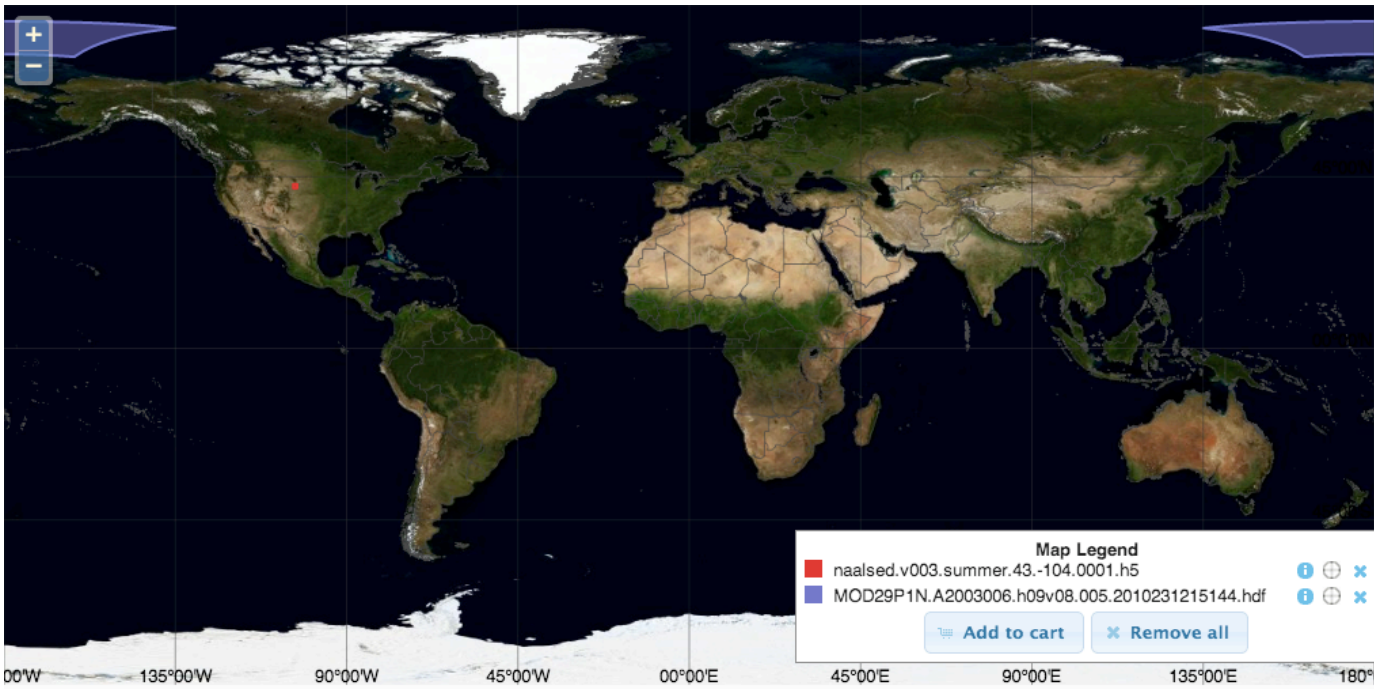


Now with 3 granules, but switched to the 3d globe. Note that right now, the 3d globe only supports panning to teh appropriate extent, not zooming, since it is not trivial to convert a bounding box to a zoom level.



Caveats:

There are some cases where this logic will still make small granules hard to see. For instance, if the granule crosses the international date line (e.g. the MODIS granule below), if multiple granules are displayed which are located in very different parts of the globe, if any granules displayed are global or cross the date line (see below). In these cases, we are back to the original problem that the granule with small extent is hard to see, however, the 'crosshair' button will now zoom in to it. Also, from speaking to Dawn at LPDAAC, it seems a reasonable assumption that a given user will be looking at granules which cover a similar area at once, so they are unlikely to run into this issue.



Anyway, do you see any useability issues here? should we have a toggle for this behavior? should we add some sort of help text explaining this behavior? Thanks