



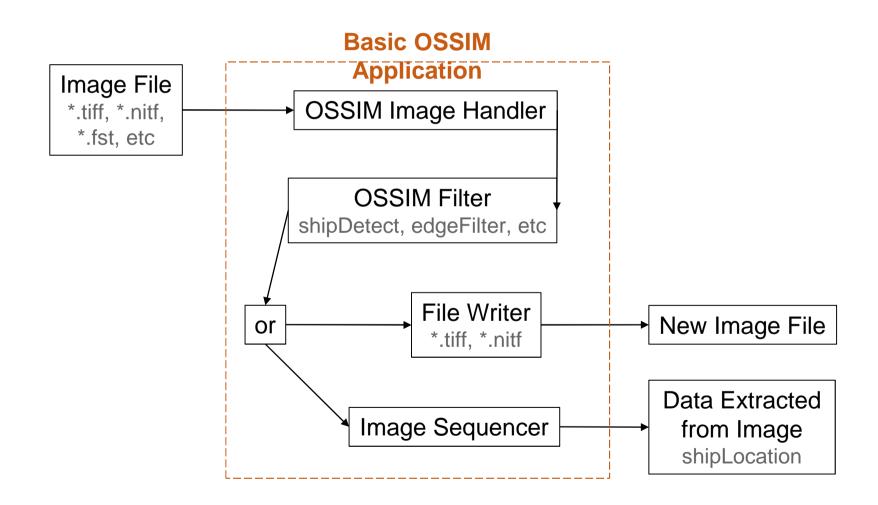
# **Ship Detection**



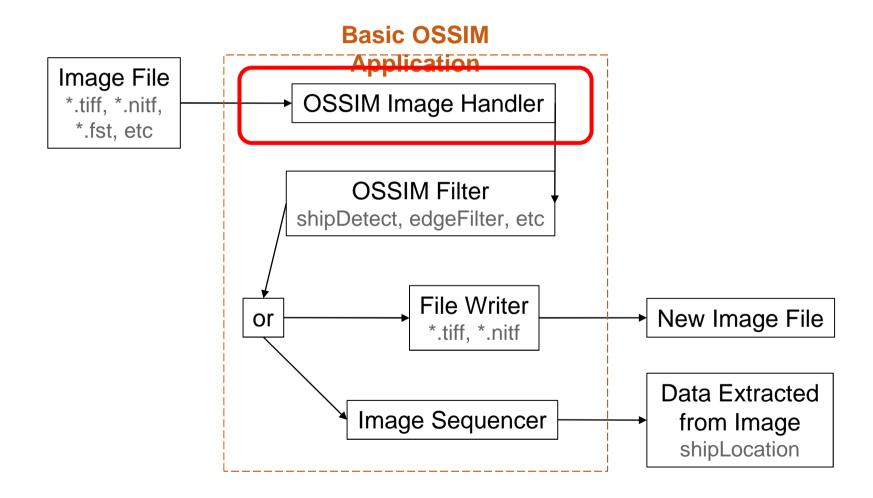
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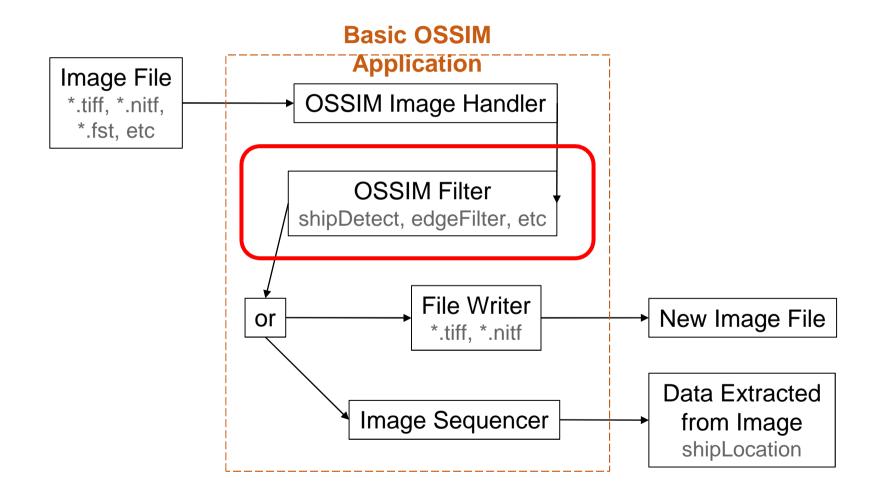




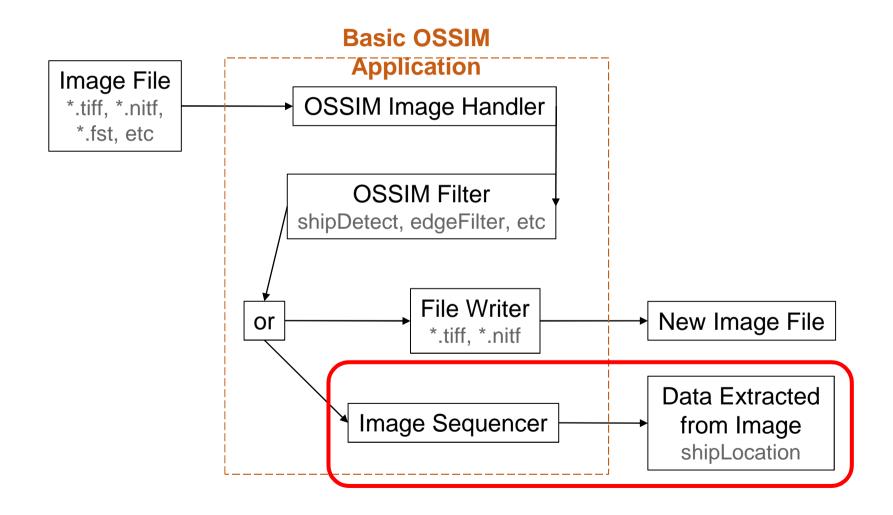




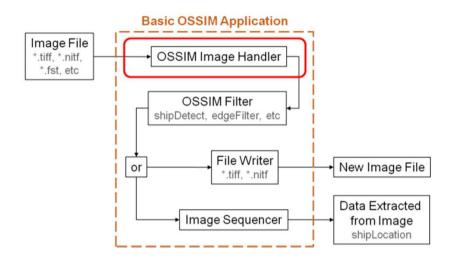










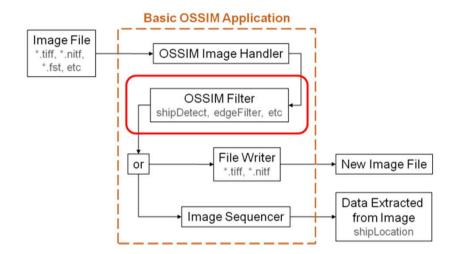


#### **OSSIM Image Handler**

We used two different handlers

- Shape (SHP) file handler
- Image handler





#### **OSSIM Filter(s)**

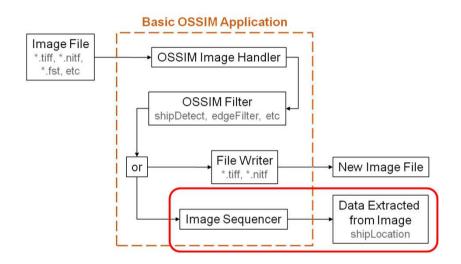
#### **Land Masking Filter**

Overlayed SHP file to "mask out" the land From the image

#### shipDetectionAppFilter

- Threshold the image
- Use OpenCV with Blobs
- Write blobs to a KML
- Write placemarks to a KML
- Write blobs to a SHP





#### **OSSIM Image Sequencer**

This ran through the image but it did not output anything

We could have used a file writer if we had wanted to create an output image



#### MaxX-MinX \* MaxY-MinY = Area of yellow box

Blob.Area() = area of blue arrow

