Main processing steps for a new load of SoundTrap data.

1. Process soundtrap data with PAMGuard to extract soundtrap clicks into binary data files. You may be running other detectors too, but this is only dealing with the soundtrap click detector output.
2. Run cluterallclicks, which loops over soundtraps and calls clusterclicks for each dataset. Arguments to clusterclicks are a folder of binary data, an output folder for click clusters, an interval for clustering (10s) and a minimum count per second, i.e. if count = 1, and interval is 10s, then 10 clicks will be required for a cluster.
3. Run classifyalclusters. This takes the clusters from the previous step and classifies them. Clusters that are close in time and of the same species are then merged. Merged clusters are written to the database as events, populating both the ST\_Click\_Detector\_OfflineEvents and the ST\_Click\_Detector\_OfflineClicks tables
4. Run morlaislookup for each database (loops through databases In checkmorlaislookup) to correctly populate lookup tables in every database.
5. Run gatehrallnoiase / gathernoise to extract noise statistics from the start of every click in the binary data and write summaries for each day into additional data folders.
6. Run makeminutes to count porpoise positive minutes for varying noise thresholds and write to positive minutes database.