ver0: SPOTLIGHT's Ver0 Pipeline

This is the zeroth version of **SPOTLIGHT**'s transient search pipeline. This pipeline is a temporary measure, until a real-time pipeline for the SPOTLIGHT system is developed. This is a multi-beam, multi-node, multi-GPU pipeline. Note that this pipeline is built to run on the **Param Brahmand** system at the GMRT only. To run the pipeline, follow these steps:

- Login into the Param Brahmand system as the spotlight user.
- Go to /lustre_archive/apps/tdsoft.
- Source the env.sh file.
- Enter the ver0/ directory.
- Run ver0.sh.

And that's it. The pipeline will automatically distribute the jobs among the various nodes and GPUs as required. The user only needs to ensure that the filterbank files they wish to process are in the VERO_DATA directory, which is an environment variable set in the env.sh file. Currently, raw files are dumped for all beams in an observation. These are then converted into SIGPROC filterbank files using the raw2fil script, and deposited into the VERO_DATA directory. Dedispersion and single pulse search is carried out using the AstroAccelerate pipeline. We then cluster candidates (via cluster.py), extract features from them using candies (via candify.py), and classify them using FETCH (via classify.py). All outputs are dumped into the VERO_OUTPUTS directory. Logs are written to VERO_LOGS.