

ADCIRC Region 3 Simulation Database, Timeseries Documentation Outline

1. Overview
 - a. The ADCIRC model & Region 3 Simulation
 - b. PostgreSQL DB, TimescaleDB, and PotGIS.
 - c. ADCIRC variables in the database
2. Installation
 - a. Download Repository
 - b. The Docker File
 - c. Build docker image
 - d. Create docker container
 - e. Access container as root
 - i. Chang postgresql directory
 - ii. Import functions
 - f. Accessing container as data
 - i. Ingest data
3. GitHub repository for adcircreg3simdb
 - a. README
 - b. Demo
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 - i. Python scripts for ingesting ADCIRC variables
 - ii. Python scripts for ingesting geometry and bathymetry
 - iii. Python scripts for checking ingested data
 - iv. Python script for clustering data, using DBSCAN
 - e. A closer look at the Python ingest scripts
 - f. Check ingest scripts
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 - b. Number of CPU's
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 - d. Ingest Results
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5. Results
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