ARDTILE Controller Script

* ardtile.py --help

The ARDTILE controller script provides access to the operational system. It allows the user to startup and shutdown the system, as well as view the status of the system.

# Commands:

## STATUS

* ardtile.py status --help

Provides a current status of the system.

### Examples:

* ardtile.py status --processing –success --watch 10sec
* ardtile.py status --tasks --watch 1min

### Options:

* --all (Default)
  + Generates all status reporting
  + If one or more of the other options is specified, only reporting for the specified options will be generated
* --tasks
  + Generates reporting which will include the tasks
* --processing
  + Generates reporting which will include the scenes processing counts
* --ready
  + Generates reporting which will include the scenes ready counts
* --reinit
  + Generates reporting which will include the scenes reinitialized counts
* --remaining
  + Generates reporting which will include the scene remaining counts
* --success
  + Generates reporting which will include the scene success counts
* --tsuccess
  + Generates reporting which will include the tile success counts
* --nogrid
  + Generates reporting which will include the non-intersecting scene counts
* --last <TIME>
  + Only generate output for the “last” specified time frame
  + Only applies to state reporting
  + Supported time frame formats
    - Xmin - The last X minutes
    - Xhr - The last X hours
    - Xday - The last X days
* --watch <TIME>
  + Continually generate requested status output with a time delay
  + Supported time frame formats
    - Xmin - Every X seconds
    - Xmin - Every X minutes

## SYSTEMCTL

* ardtile.py systemctl --help

Controls the Marathon tasks which define the ARDTILE operational system.

### Examples:

* ardtile.py systemctl --enable --task find-segments-task
* ardtile.py systemctl --stop

### Options:

* One of the following:
  + --enable
    - Add the task(s) configurations to Marathon
    - By default all tasks will be enabled
  + --disable
    - Remove the task(s) configurations from Marathon
    - By default all tasks will be disabled
  + --start
    - Configure the task(s) so that Marathon runs them
    - By default all tasks are started
    - Does nothing if the task configuration is not present in Marathon
  + --stop
    - Configure the task(s) so that Marathon does not run them
    - By default all tasks are stopped
    - Does nothing if the task configuration is not present in Marathon
* --task
  + Only perform the operation for the specified task
  + Supported tasks
    - all – find-segments-task task
    - find-segments-task - only the find-segments-task task

## REPORT

* ardtile.py report --help

Daily reports are generated through the database. This command allows for manually generating reports for different timeframes and sending the reports to specific emails.

### Examples:

* ardtile.py report --emails [e1@junk.org](mailto:e1@junk.org) --last 365days

### Options:

* --emails <EMAIL\_LIST>
  + A list of emails to send the report to
  + No spaces are allowed and addresses must be comma separated
  + Example:
    - e1@junk.org,e2@junk.org
* --last <TIME>
  + Only generate report information for the “last” specified time frame
  + This option is defaulted to 1 day
  + Supported time frame formats
    - Xday - The last X days

## LIST

* ardtile.py list --help

Generates a list of the Product IDs in the specified state.

### Examples:

* ardtile.py list --ready
* ardtile.py list --processing

### Options:

* Only one of the following:
  + --processing
    - Generates a list of Landsat Product IDs currently in the processing state
  + --ready
    - Generates a list of Landsat Product IDs currently in the ready state
  + --reinit
    - Generates a list of Landsat Product IDs currently in the reinitialized state
  + --nogrid
    - Generates a list of non-intersecting Landsat Product IDs

## LEADERS

* ardtile.py leaders --help

Displays URLs for the current Mesos and Marathon leaders. Useful if your browser is not pointing to the correct leader.

### Example:

* ardtile.py leaders