SCATS non-core products

SCATS User Group Conference 2018 Krishna Balakrishnamoorthy



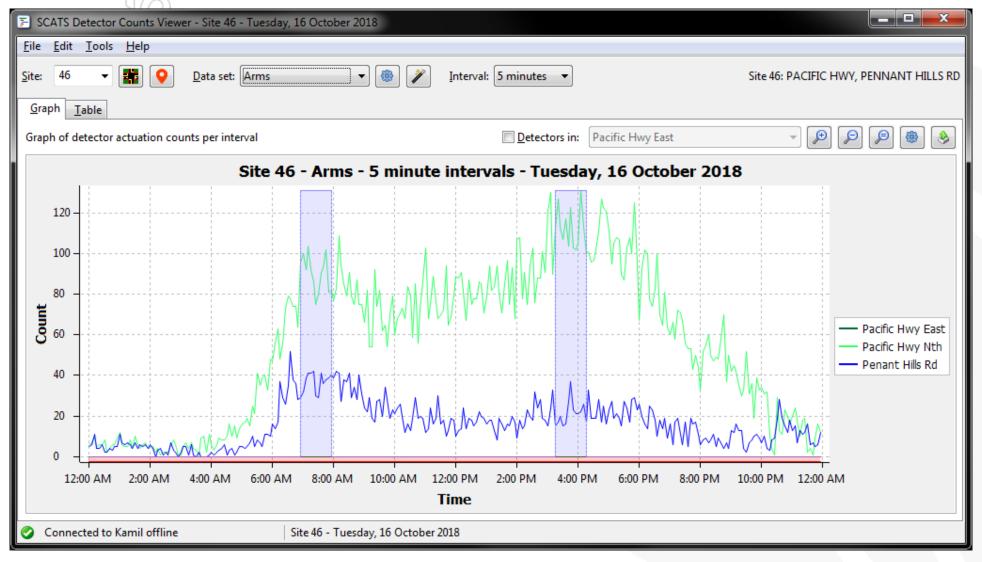


Topics

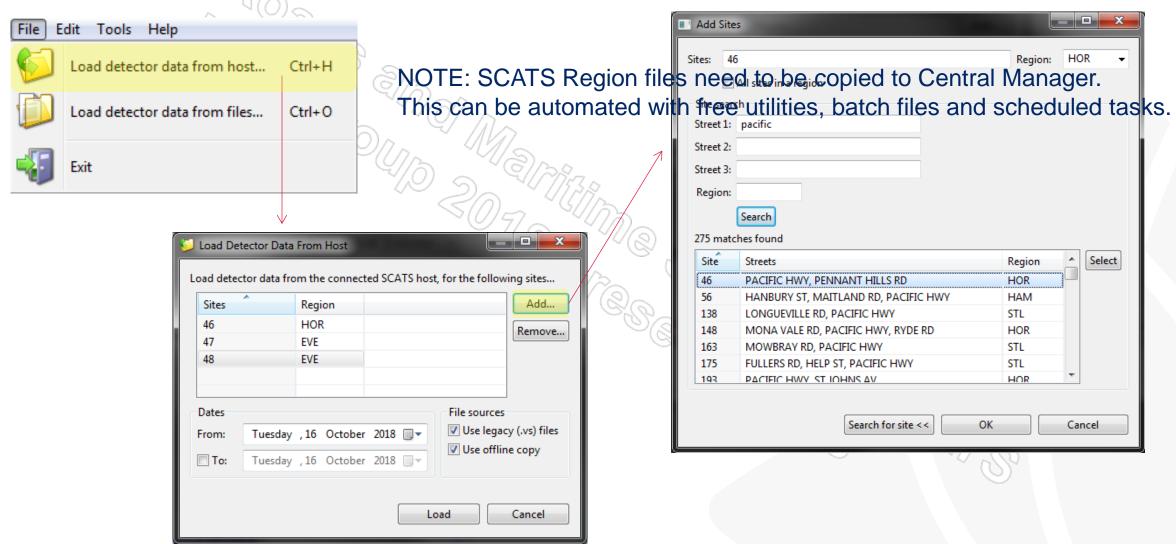
- SCATS Detector Counts Viewer
- SCATS File Decoder
- SCATS File Downloader
- Other updates

- Displays detector counts data
- Counts per site, aggregated over 5/15/30/60 minute intervals
- Input: DET/VS files
- Output: graphical profile, comma/tab delimited text
- Replaces detector counts features of Traffic Reporter
- Version 1.0.0:
 - Development 90% complete
 - Early testing phase
 - On-target for release alongside SCATS 6.9.4.

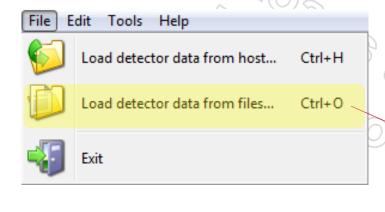
Application window

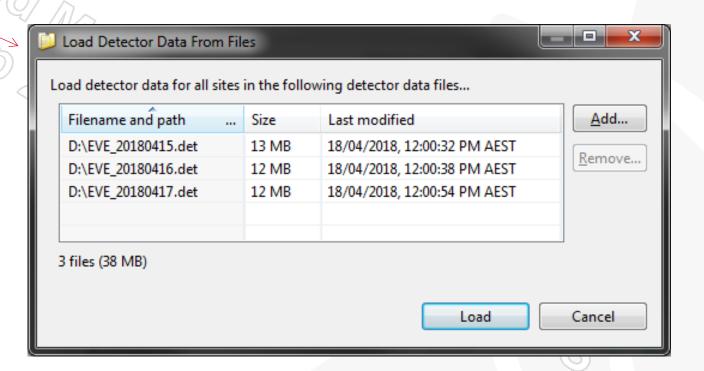


VS/DET file loading from host

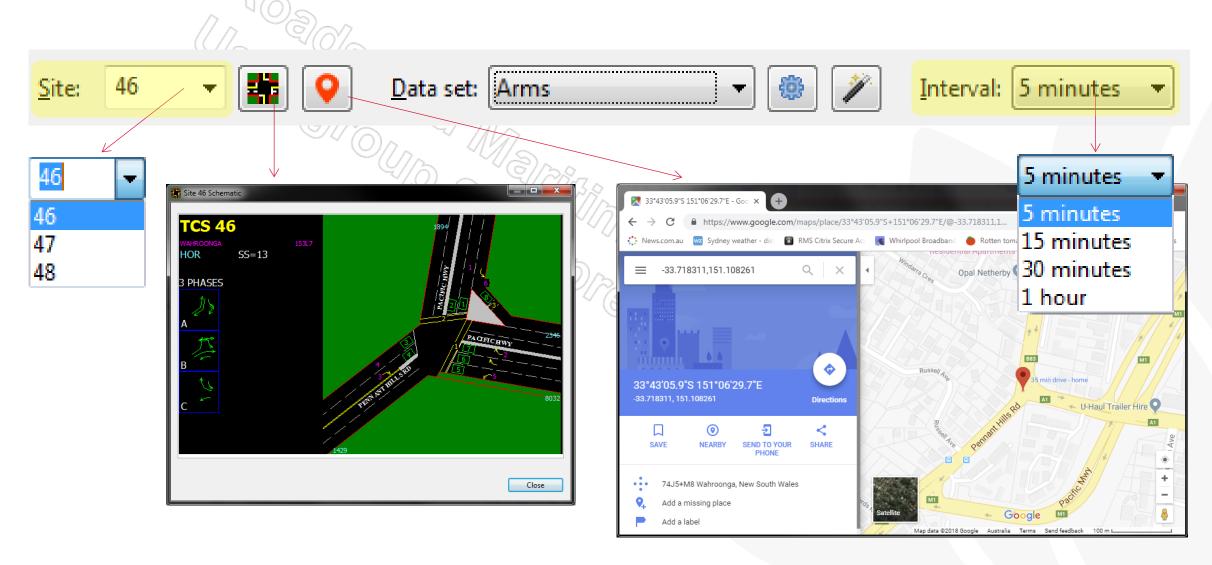


VS/DET file loading from files

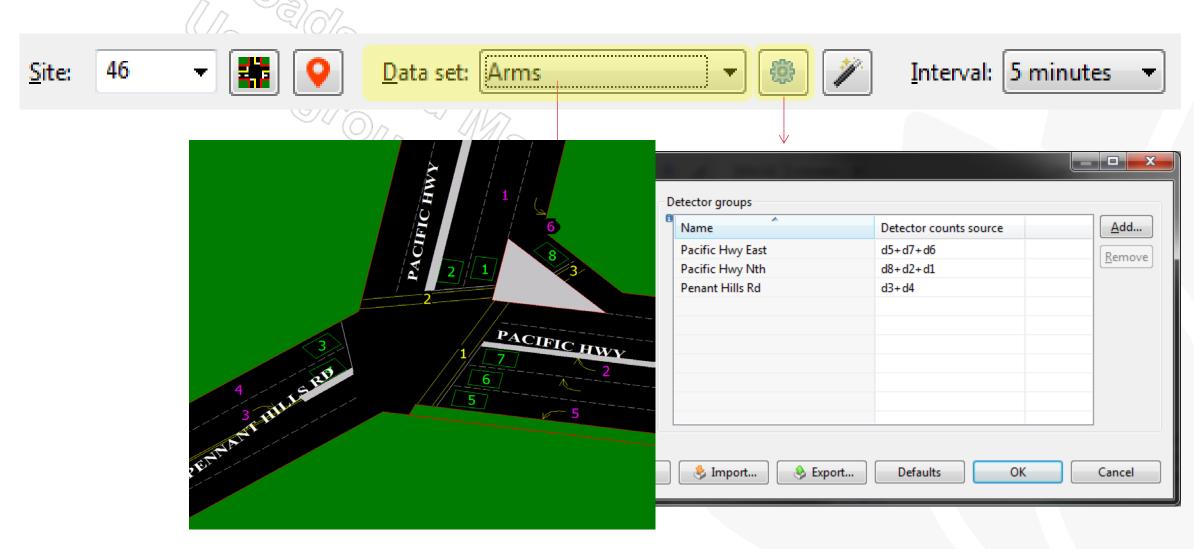




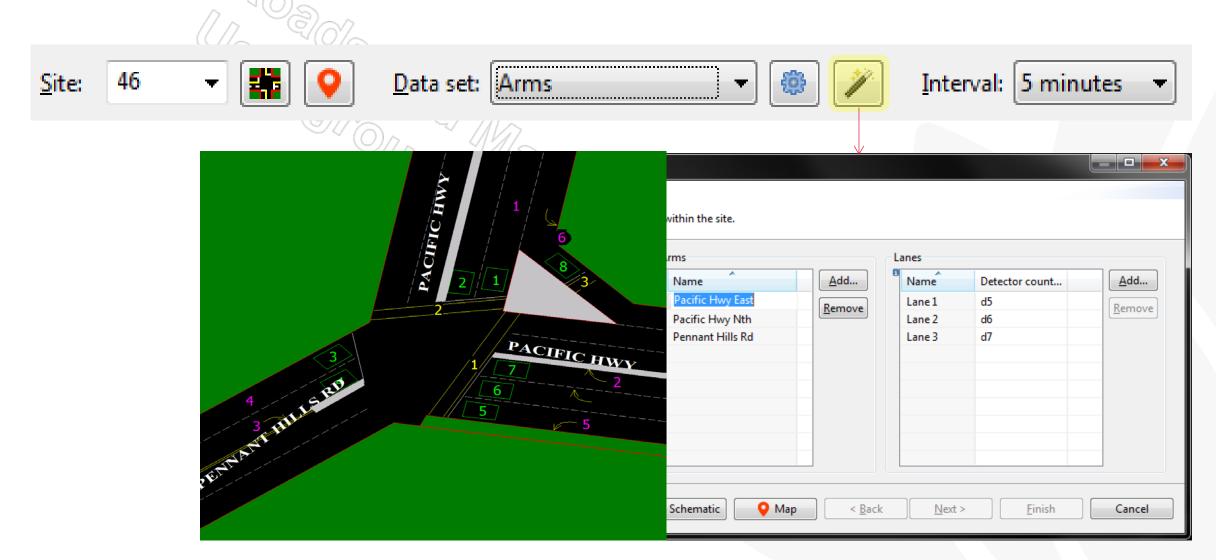
Site and interval selection



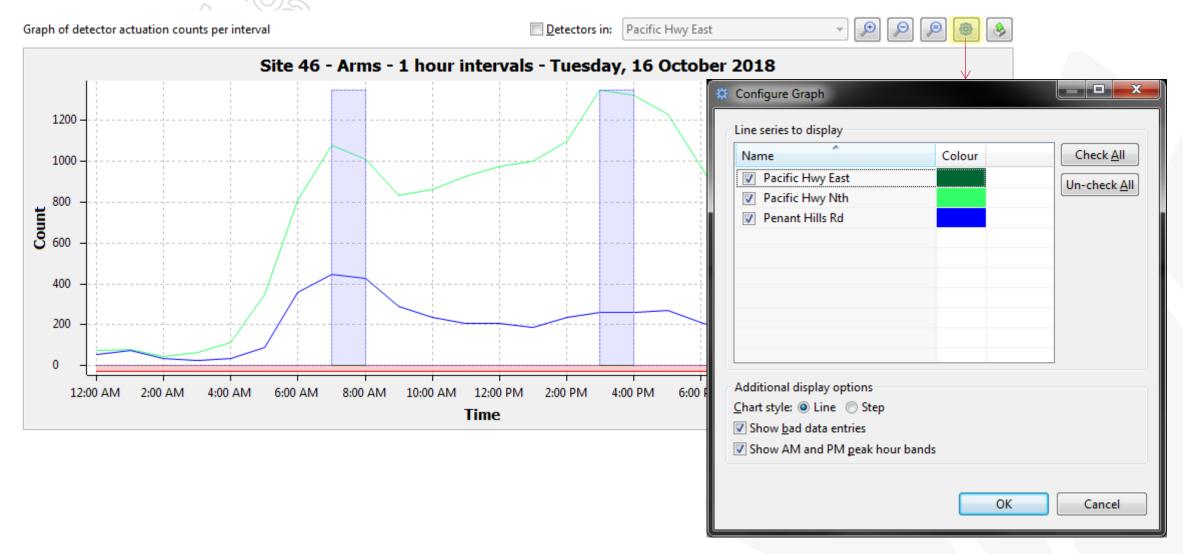
Data set selection



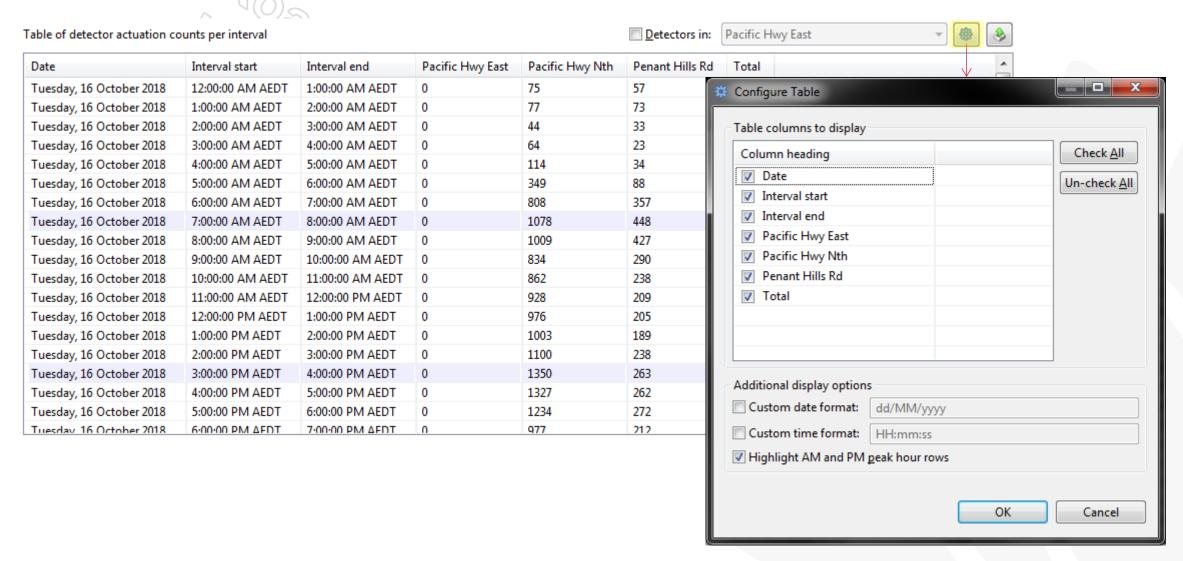
Data set wizard



Counts profile chart



Counts profile table



Command line interface (CLI)

```
ScatsDetectorCountsViewer.exe {\bullet VS/DET_FILES} -site SITE_NUMBER -interval \{5/15/30/60\} [-dataset DATA_SET_NAME] [-out OUTPUT_FILE]
```

Where **VS/DET_FILES** can be from:

SCATS Central Manager:

```
-from YYYYMMDD [-to YYYYMMDD] [-legacy] [-offline] [-region REGION_NAME]
```

Local disk/network:

```
-files FILES_CSV
```

Command line interface (CLI)

Examples:

ScatsDetectorCountsViewer.exe -site 7 -interval 5 -from 20180930

ScatsDetectorCountsViewer.exe -site 7 -interval 15 -from 20180901 -to 20180930

ScatsDetectorCountsViewer.exe -site 7 -interval 30 -from 20180901 -legacy -offline

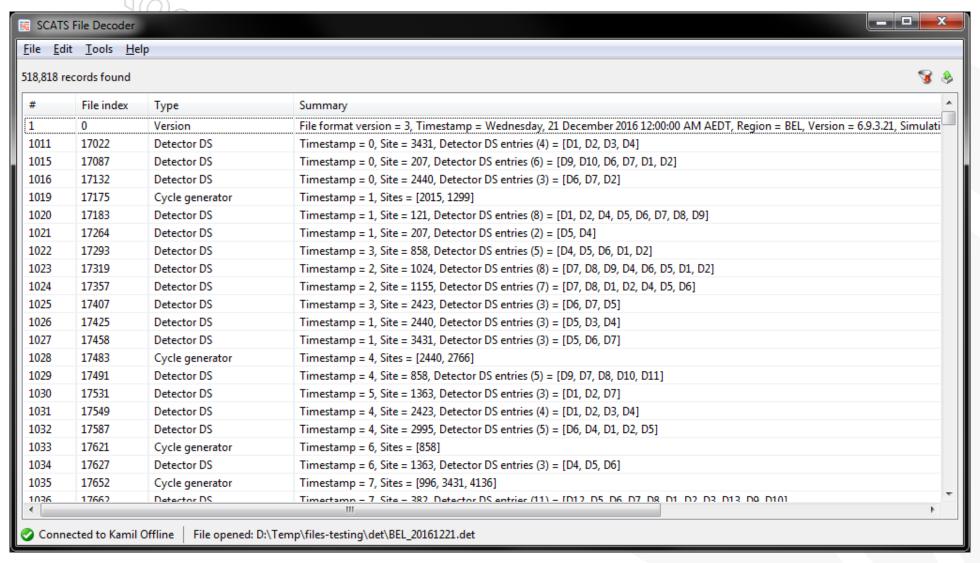
ScatsDetectorCountsViewer.exe -site 7 -interval 30 -from 20180901 -to 20180930

ScatsDetectorCountsViewer.exe -site 7 -interval 60 -from 20180930 -dataset Arms

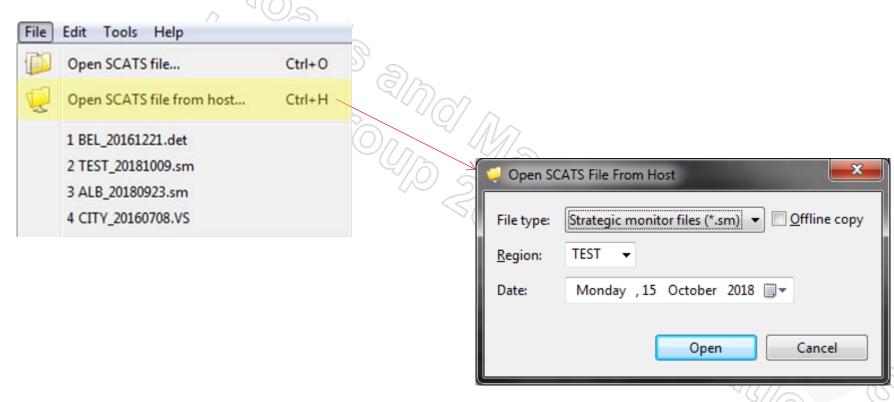
ScatsDetectorCountsViewer.exe -site 7 -interval 60 -files "ALB_20180901.vs, ALB_20180902.vs, ALB_20180903.vs"

- Displays raw SCATS file records in human readable form
- Input: binary SCATS files:
 - Detector data (*.det, *.vs)
 - Event log (*.evl)
 - History (*.hst, *.hist)
 - Strategic monitor (*.sm)
- Output: Summary text/JSON
- Version 1.0.0:
 - Development 90% complete
 - Early testing phase
 - On-target for release alongside SCATS 6.9.4

Application window

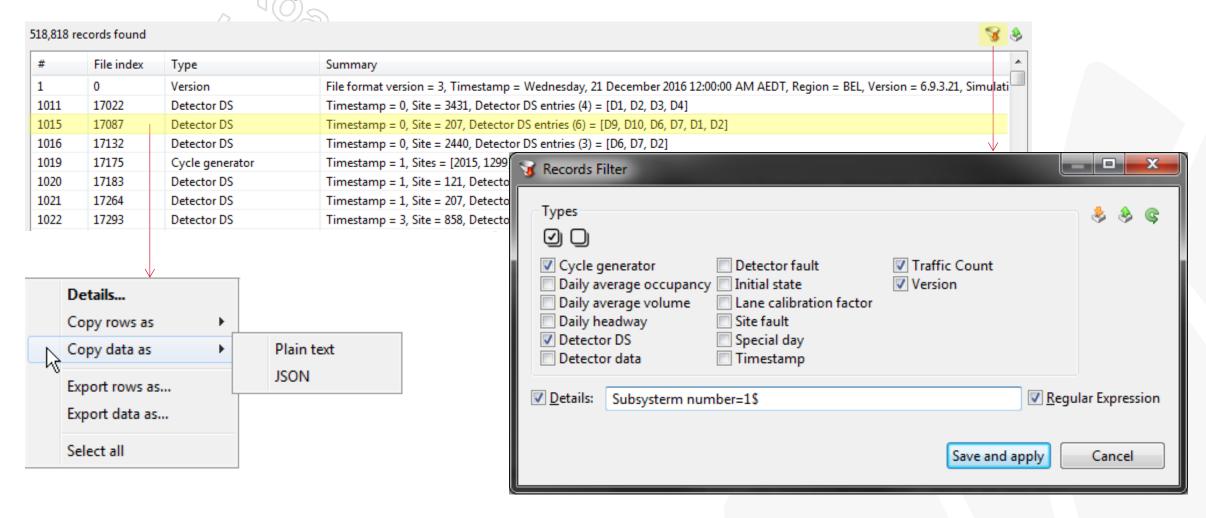


File opening

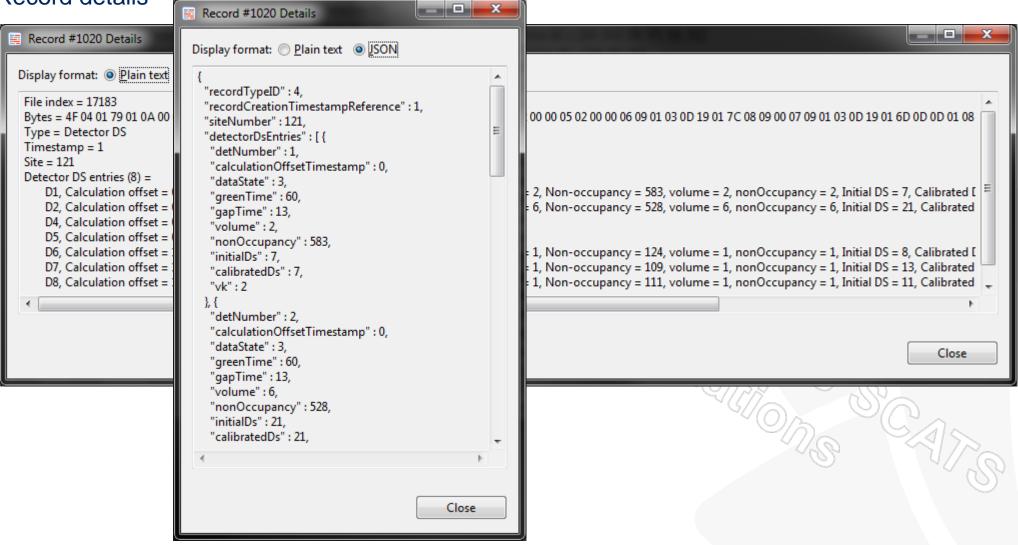


NOTE: SCATS Region files need to be copied to Central Manager.
This can be automated with free utilities, batch files and scheduled tasks.

Records table and filtering



Record details



Command line interface (CLI)

ScatsFileDecoder.exe -in SCATS_FILE [-filter FILTER_FILE] [-out OUTPUT_FILE]

Examples:

ScatsFileDecoder.exe -in ALB_20180930.hst

ScatsFileDecoder.exe -in 20180930.evl -filter "C:\filters\WD.filter"

ScatsFileDecoder.exe -in ALB_20180930.hst -out "C:\ 20180930.txt"

ScatsFileDecoder.exe -in ALB_20180930.hst -out "C:\ 20180930.json"

SCATS File Downloader

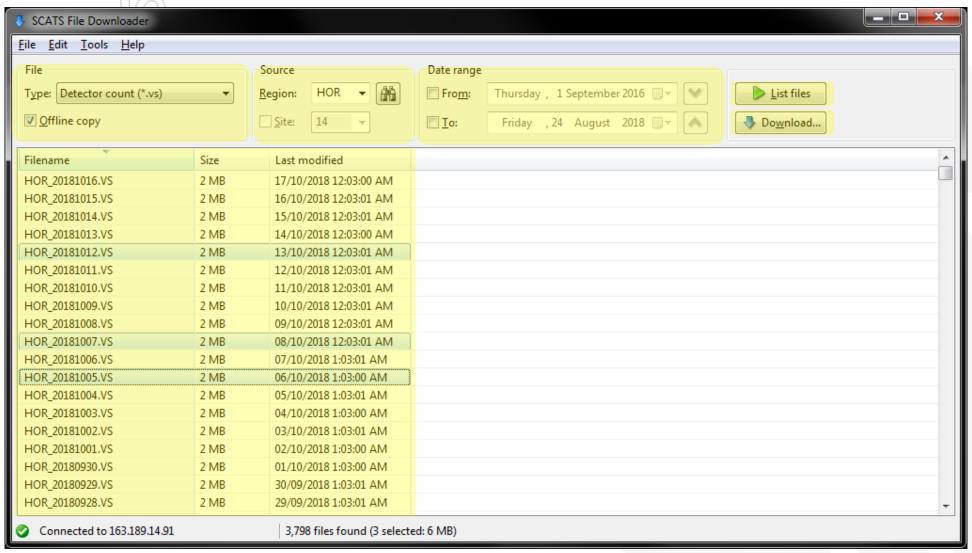
- Search for and download SCATS files on Central Manager
- Supported SCATS file types:
 - ANTTS (*.ant)
 - Detector data (*.det, *.vs)
 - Event log (*.evl)
 - History (*.hist, *.hst)
 - Site diagnostic monitor (*.idm)
 - Strategic monitor (*.sm)

- System files:
 - •> LX
 - MSG
 - PROM
 - RAM
 - **•**// **I**C

- NOTE: SCATS Region files need to be copied to Central Manager.
 This can be automated with free utilities, batch files and scheduled tasks.
- Version 1.0.0:
 - Development complete
 - Late testing phase
 - On-target for release alongside SCATS 6.9.4

SCATS File Downloader

Application window



SCATS File Downloader

Command line interface (CLI)

```
ScatsFileDownloader.exe -download SCATS_FILE [-region REGION_NAME] [-offline] [-out OUTPUT_FILE]
```

Examples:

ScatsFileDownloader.exe -download ALB_20180930.hst

ScatsFileDownloader.exe -download 20180930.lx -region ALB

ScatsFileDownloader.exe -download 20080101.lx -region ALB -offline

Other updates

- Other upcoming releases (alongside SCATS 6.9.4):
 - SCATS History Viewer 1.2.0
 - SCATS Link View 1.3.0
- New platform and UI framework
- Replace some older products
- Future plans:
 - Ability to run offline (without SCATS Central Manager connection)
 - New ITS interface (ITS Link) support.

Questions?

For further information after this event please contact

scatshelp@rms.nsw.gov.au



