



# Debugging.TV

Frame 0x19

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MEMORY DUMP ANALYSIS SERVICES

[DumpAnalysis.com](http://DumpAnalysis.com)

Including Crash and Hang Analysis Audit, Training and Seminars

Sponsors

**OPENTASK**

Iterative and Incremental Publishing

# Topics

- Software Log Analysis Patterns
- Visualization Tools
- Visualization Examples

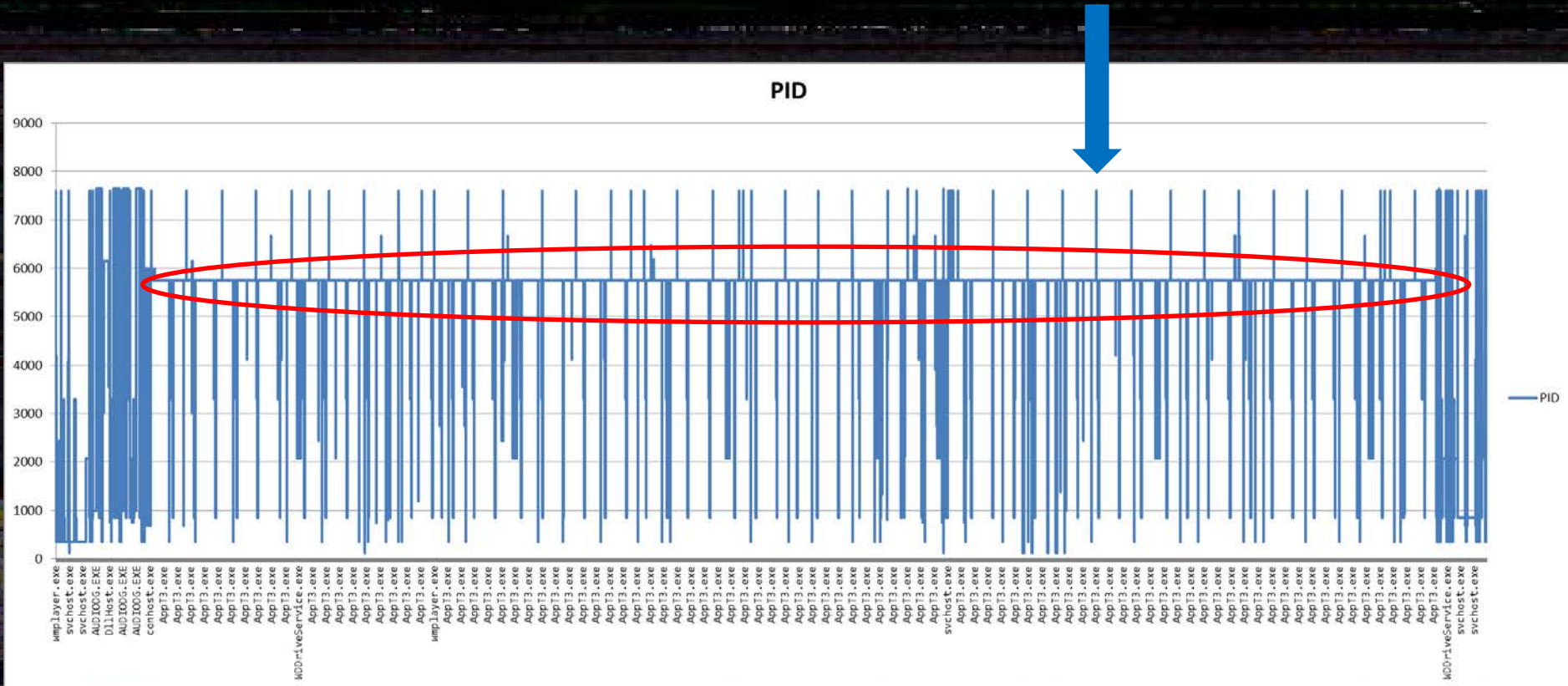
# Log Analysis Patterns

- Based on Software Narratology
- +60 patterns (Reference)

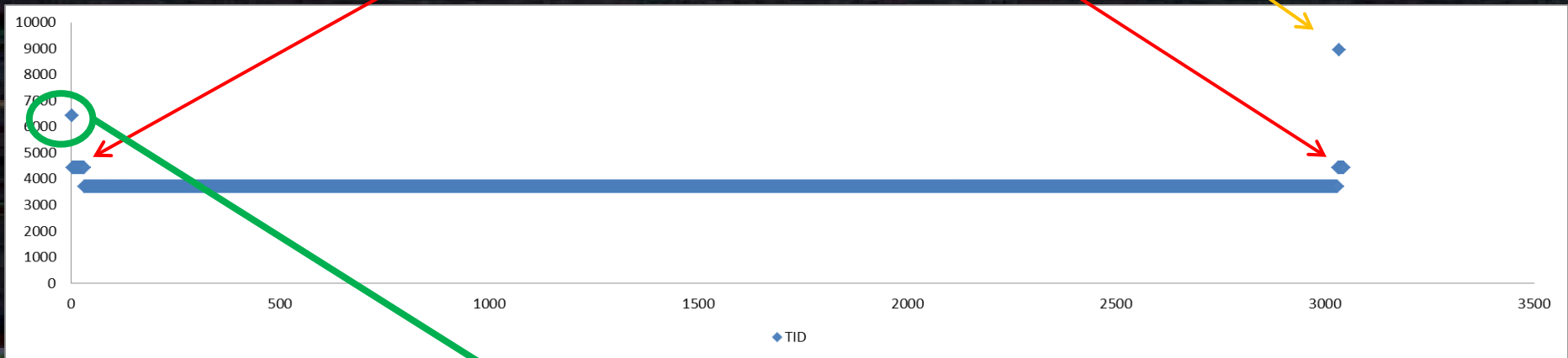
# Visualization Tools

- GUI: Excel
- Command line: splot / tplot

# Message Density



# Discontinuity



	PID	TID			
23:10:03.0933117	Explorer.EXE 2848	6444	1	Process Create	C:\Work\App.exe
23:10:03.0933232	App.exe 4644	6444	1	Process Start	
23:10:03.0933329	App.exe 4644	6444	1	Thread CreateSUCCESS	Thread ID: 4436

# !Ad Hardcore Software Support Training

January 14, 2013	<u>Pattern-Based Software Diagnostics</u> (FREE)
February 1-4, 2013	<u>Accelerated Windows Malware Analysis</u>
February 20-25, 2013	<u>Accelerated Windows Memory Dump Analysis</u>
March, 25, 2013	<u>Malware Narratives</u> (FREE)
2013	<u>Philosophy of Software Diagnostics</u> (FREE)
2013	The New Old Debugging

# Debugging<sup>3</sup>

Coming soon

# Debugging.TV

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