

ATEK Intelligence Platform (AIP) for AssetScan – Quick Start Guide



The power of analytics. **Delivered.**

Setting up the AssetScan Monitor

10 Minute Rapid Update Mode

- 1 Open case and push **Test** button. The unit will take data and send the readings to the cloud for 10 minutes. The unit will send 5 to 10 readings.



Review Data on the Web

- 1 Log in to AssetScan by opening an internet browser and go to AIPAssetsScan.com. Type in login credentials and click **Log In**.



Trend Data

- 2 Select **All Assets** from the **Views** drop-down menu (top-left corner).
- 3 Click on **Rotating Triangle** icon found at the left of any asset row, to show additional asset information.
- 4 Review most current data and confirm time is current.
- 5 Click Graph icon(s) to display trend chart.

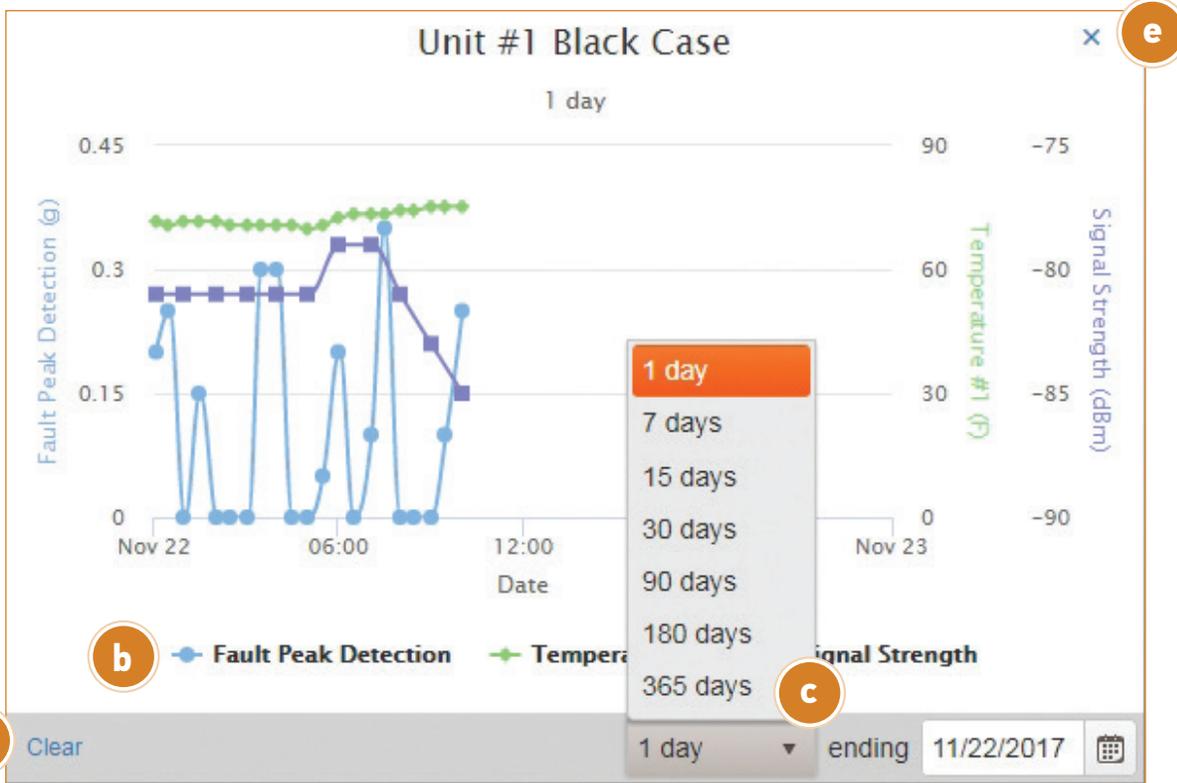


- 3

| Reading | Value | Date | History |
|---------------------|-------------|-------------------|---------|
| Amplitude | 19.7 g | 8/28/2017 1:00 PM | |
| Amplitude | 0.04 in/sec | 8/28/2017 1:00 PM | |
| Battery | 12.75 V | 8/28/2017 1:00 PM | |
| Connection Attempts | 1 | 8/28/2017 1:00 PM | |
| Signal Strength | -89 dBm | 8/28/2017 1:00 PM | |
| Temperature #1 | 82.40 F | 8/28/2017 1:00 PM | |

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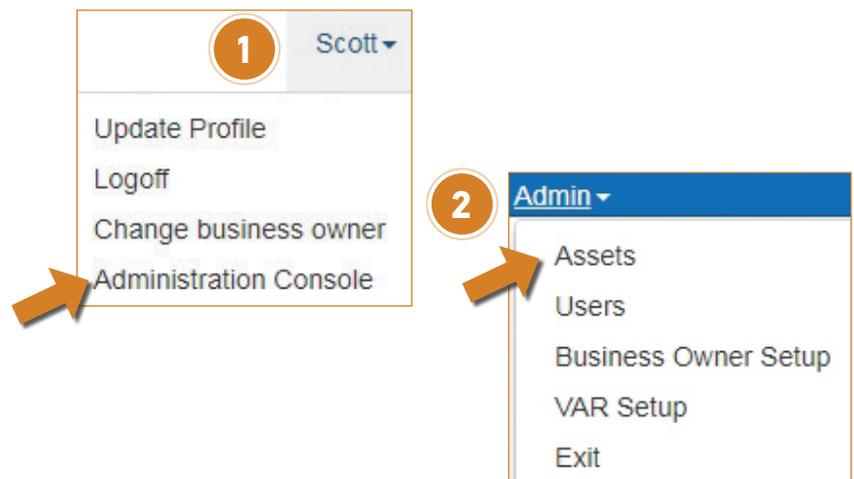
- a. Multiple trend lines may be selected for display by clicking multiple graph icons.
- b. Trend lines can be toggled on/off by clicking on name shown in bottom legend.
- c. Select a preset date range and specific end date to display.
- d. Click on **Clear** to remove variables from the graph.
- e. Click on the **X** to close the graph.



Change Asset Name and Image

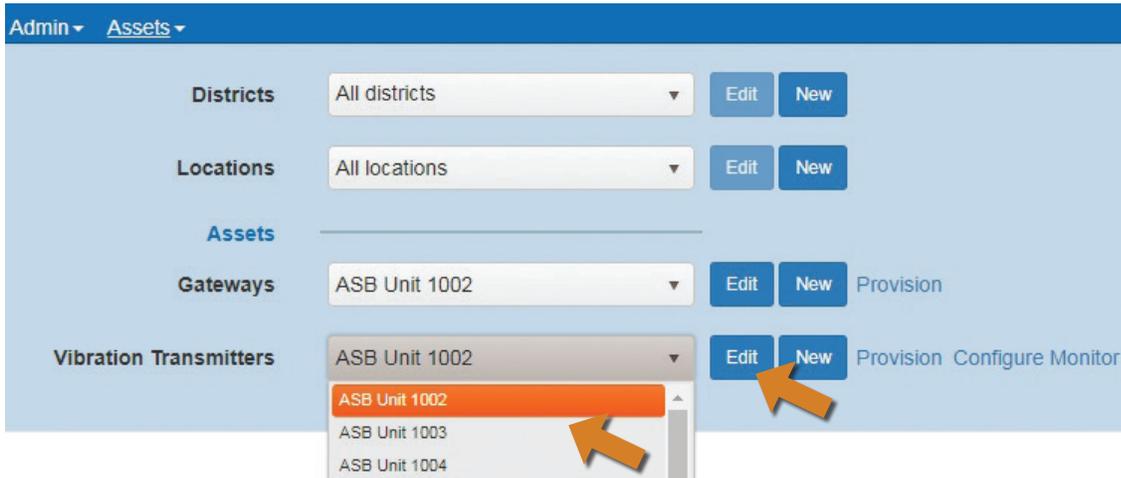
1 Select **Username** (top-right corner), then **Administration Console**. A new tab opens.

2 Select **Admin**, then **Assets**.

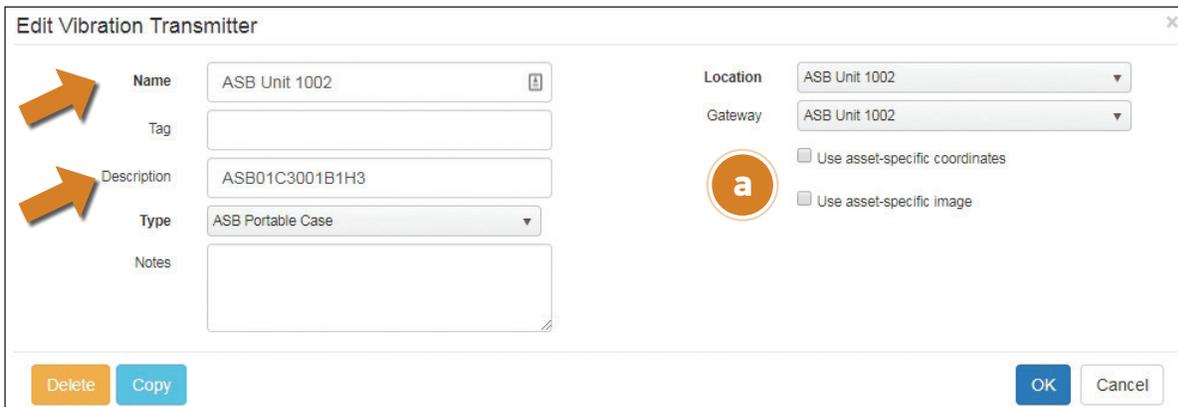


Change Asset Name and Image (continued)

3 Select a **Vibration Transmitter** or other monitor type from its pull down list from drop-down menu, and then **Edit**.



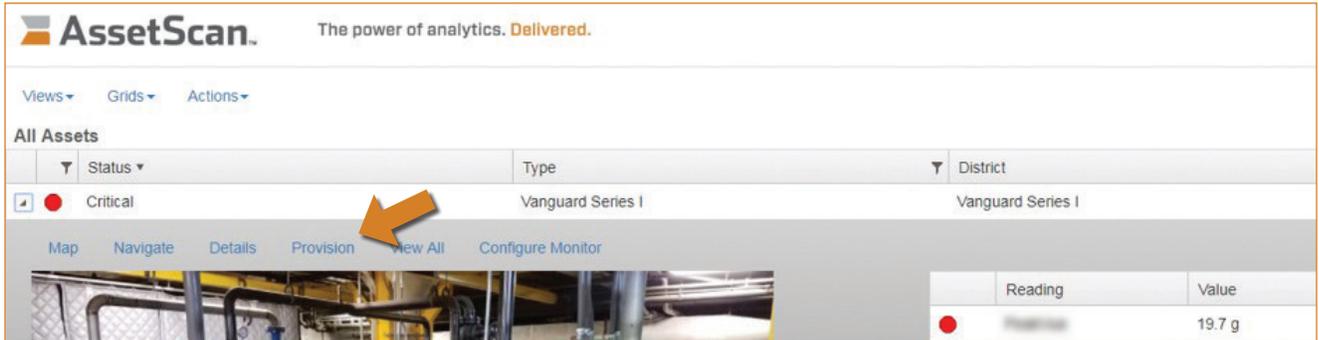
4 Type a new **Asset** name and **Description**. Do not change type, location or gateway as these settings must remain for the unit to report properly.
a. Optional: Insert asset specific image by selecting the checkbox.



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Change Alert Limits

1 Select **Provision**.



The screenshot shows the AssetScan web interface. At the top, there's a navigation bar with 'Views', 'Grids', and 'Actions' dropdowns. Below that, a table titled 'All Assets' is displayed. The first row shows an asset with status 'Critical', type 'Vanguard Series I', and district 'Vanguard Series I'. Below the table, there are tabs for 'Map', 'Navigate', 'Details', 'Provision', 'View All', and 'Configure Monitor'. The 'Provision' tab is highlighted with an orange arrow. To the right, a small table shows a 'Reading' of 19.7 g.

2 Click **Yes** or **No** in **Alerts** column for output type variable of interest.

Readings for Asset: ASB Unit 1002

[Create New](#)

| Name | Tag | Gateway | OutputType | SourceKey | ReadingKeys | Last Value | Last Reported | Unreported after(min) | Alerts | Verified | | |
|---------------|-----|-------------------------------|---------------------------------|-------------------|-------------|------------------|----------------------|-----------------------|--------|-------------------------------------|----------------------|------------------------|
| ASB Unit 1002 | | ASB Unit 1002 | Fault Peak Detection (g) | N.357152070722390 | A1 | 0.0 g | 2017-11-22 19:04:39Z | | Yes | | Edit | Delete |
| ASB Unit 1002 | | ASB Unit 1002 | Overall Vibration (in/sec-Peak) | N.357152070722390 | A2 | 0.00 in/sec-Peak | 2017-11-22 19:04:39Z | | Yes | <input checked="" type="checkbox"/> | Edit | Delete |
| ASB Unit 1002 | | ASB Unit 1002 | Temperature #1 (F) | N.357152070722390 | T2 | 83.3 F | 2017-11-22 19:04:39Z | | No | <input checked="" type="checkbox"/> | Edit | Delete |
| ASB Unit 1002 | | ASB Unit 1002 | Battery (V) | N.357152070722390 | BV | 14.00 V | 2017-11-22 19:06:13Z | | Yes | <input checked="" type="checkbox"/> | Edit | Delete |

3 Enter or change **Alert Ranges/Options** value(s).

Alert Ranges ?

When more than

Ignore

Critical

Warning

Minor

When less than

Minor

Warning

Critical

Ignore

Alert Options

Hysteresis: Tolerance band

Alert frequency: Send no more than 1 every hours minutes

Unreported alerts: Send unreported alert after hours minutes

Notes:

Ignore: Set to establish a floor or ceiling by which alert conditions cannot be reset when readings cross these levels. Useful to prevent unwanted alert level changes due to machinery cycling (i.e. on and off).

Hysteresis: Set to avoid unnecessary alert notifications due to variations in reading levels at or near alert level setting. Applies to all alert level settings.

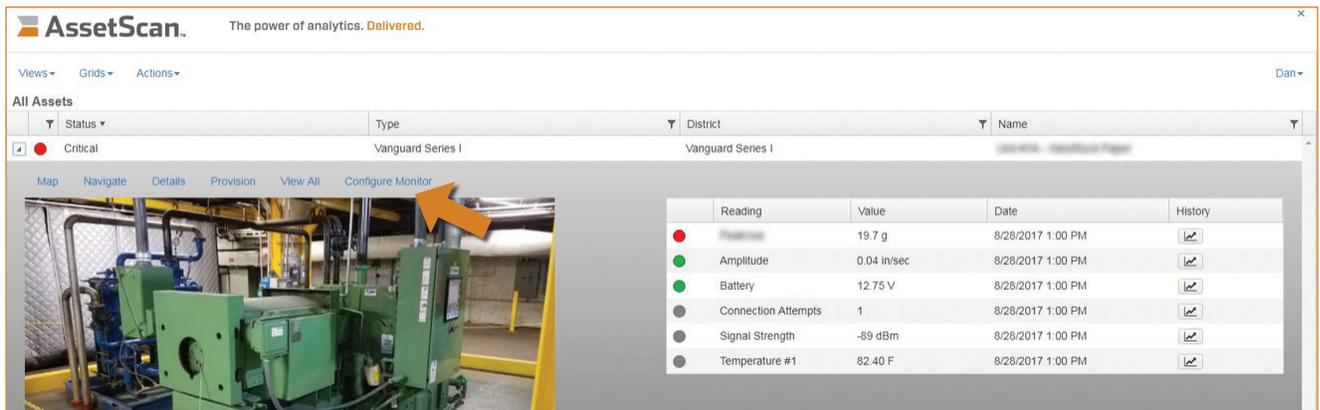
Alert frequency: If set, alerts will only be sent based on time frequency, even if multiple alert ranges have been reached.

Set Values: Each setting must be in units of measure for the chosen variable.

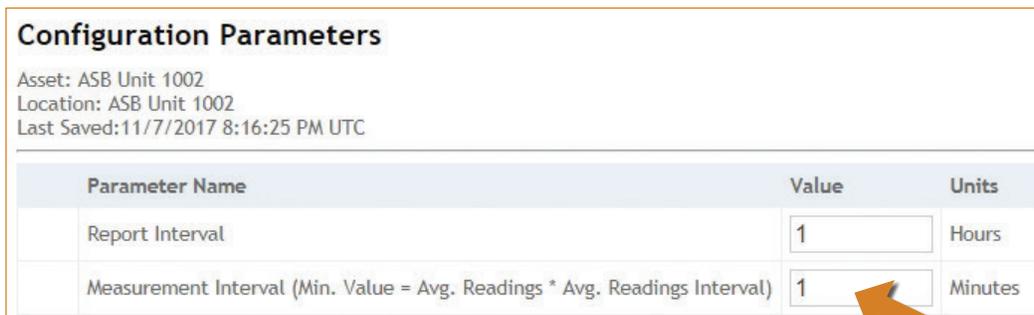
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Change Measurement Interval

1 Select **Configure Monitor**.



2 Enter Measurement Interval value to change how frequently the monitor logs sensor readings.

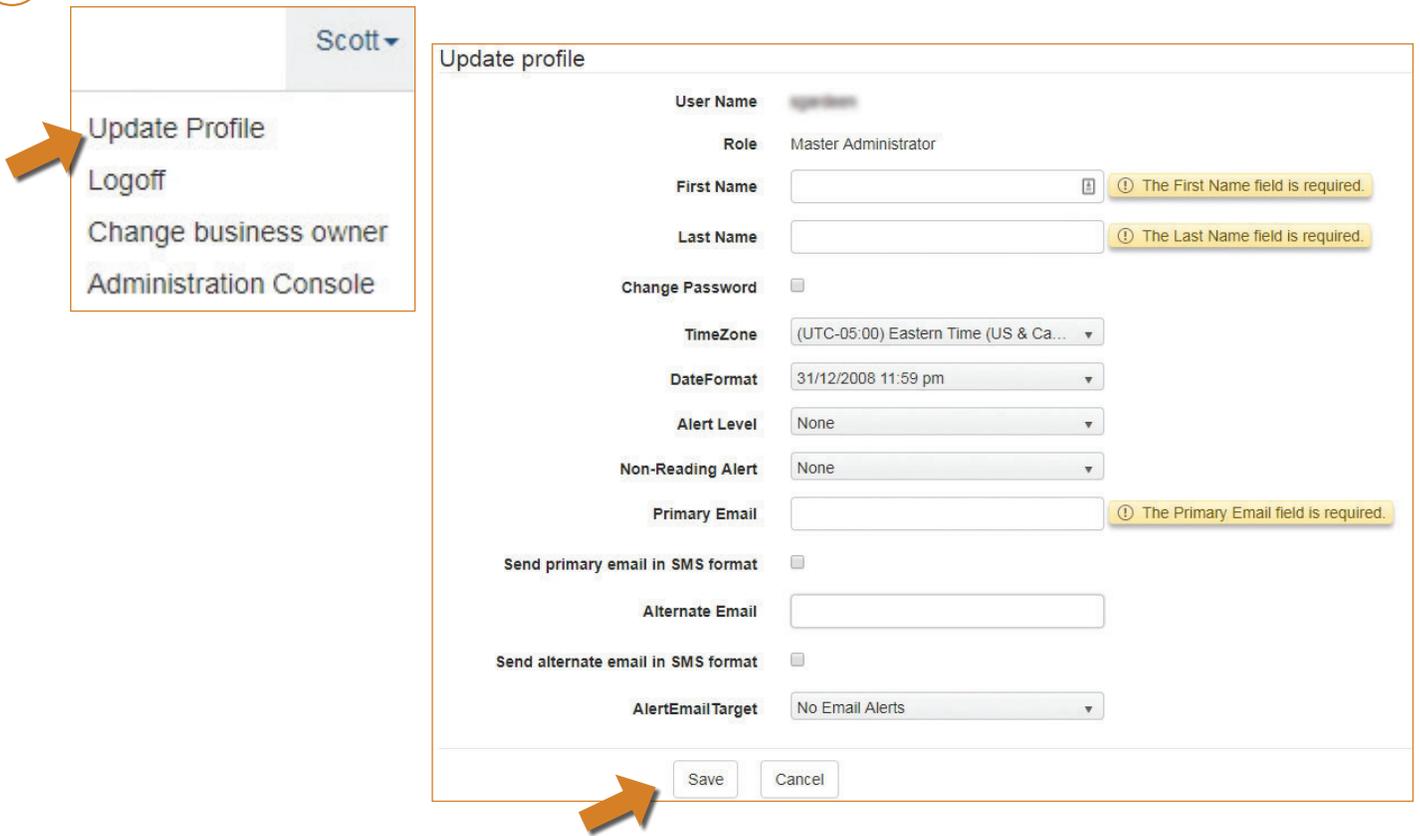


3 Enter Report interval value to change how frequently the unit transmits monitor data.

Note: Configuration Parameter pages will appear different for each monitor type.
Setting limits will display if the level chosen cannot be applied.

Change Text or Email Address

- 1 Select **Username** (top-right corner), then **Update Profile**. Fill in appropriate fields and select **Save**.



Update profile

User Name

Role Master Administrator

First Name ⓘ The First Name field is required.

Last Name ⓘ The Last Name field is required.

Change Password

TimeZone (UTC-05:00) Eastern Time (US & Ca... ▾

DateFormat 31/12/2008 11:59 pm ▾

Alert Level None ▾

Non-Reading Alert None ▾

Primary Email ⓘ The Primary Email field is required.

Send primary email in SMS format

Alternate Email

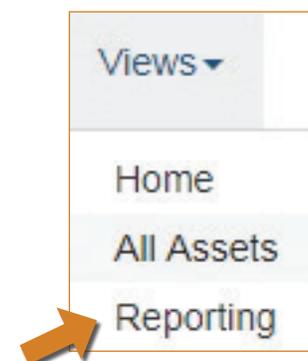
Send alternate email in SMS format

AlertEmailTarget No Email Alerts ▾

Save Cancel

Exporting Data to Excel

- 1 Select **Reporting** from **Views** drop-down menu (top-left corner).



Views ▾

Home

All Assets

Reporting

Exporting Data to Excel (continued)

- 2** Select **desired report type** from **Report** drop-down. Then select the following:
- Asset
 - Enter Start Date
 - Enter End Date
 - Show Report button.

Reports

Report

Fault Peak & Overall Vibration History ▾

History Chart

Vibration History List

Temp/Bat History List

Cellular History List

Fault Peak & Overall Vibration History

Overall Vibration History

Locations

All ▾

Assets

a ASB Unit 1002 ▾

Start date

1D 2D 7D 1M 3M 6M 9M 1Y Prior to end date

b 11/23/2017

End date

c 11/30/2017

Show Report

Exporting Data to Excel (continued)

3 Select **Export to the selected format** drop-down and then **CSV (comma delimited)** option or **Excel 97-2003** option.

| Name | Description | Reading Date | Fault Peak Detection | Overall Vibration | Alert Level |
|---------------|----------------|--|----------------------|-------------------|-------------|
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:00:21 PM | 0.2 | 0.00 | 0 |
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:01:43 PM | 0.4 | 0.01 | 0 |
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:02:08 PM | 0.6 | 0.00 | 0 |
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:04:08 PM | 0.0 | 0.00 | 0 |
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:05:33 PM | 0.1 | 0.00 | 0 |
| ASB Unit 1002 | ASB01C3001B1H3 | ATEK Field Trial 11/27/2017 7:06:59 PM | 0.1 | 0.00 | 0 |

4 Select **Export** to open spreadsheet file with reported data.

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|-------------|-----------------|--------------|--------------|---------------|---------------|------------|------------|--------------|--------------|-------------|------------|------------------|
| 1 | ReportTitle | textBox5 | ReadingLabel | ReadingLabel | ReadingStatus | ReadingStatus | AssetName | AlertLevel | ReadingValue | ReadingValue | Description | Location | ReadingDate |
| 2 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0.2 | 0 | ASB01C30 | ATEK Field | 11/27/2017 19:00 |
| 3 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0.4 | 0.01 | ASB01C30 | ATEK Field | 11/27/2017 19:01 |
| 4 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0.6 | 0 | ASB01C30 | ATEK Field | 11/27/2017 19:02 |
| 5 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0 | 0 | ASB01C30 | ATEK Field | 11/27/2017 19:04 |
| 6 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0.1 | 0 | ASB01C30 | ATEK Field | 11/27/2017 19:05 |
| 7 | Fault Peak | 5/12/2017 14:49 | Fault Peak | Overall Vibr | 5.9 | 296.1 | ASB Unit 1 | 0 | 0.1 | 0 | ASB01C30 | ATEK Field | 11/27/2017 19:06 |

5 From spreadsheet file, insert a Chart. Use Excel commands to insert and format the chart to the user's desired outcome.

- Format X-axis to text
- Format Fault Peak Detection to secondary axis