

SIS Training/Beta Testing Session

3

Equipment Settings/Attributes and
Site Field Actions Part 1

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What we'll be covering

1. Equipment Settings and Attributes
2. Site Creation
3. Creating an “on-site” seismic-equipment installation. (All seismic equipment needed to create a channel is at that site)
4. Installing Other equipment category groups (GPS, Power, Telemetry)

Equipment Model Settings and Attributes

- In SIS, the user can establish any number of key value pairs to describe a piece of equipment.
- The keys are set at the model level and will be seen for all equipment of this model. Therefore, we recommend keys only for information that can be generalized across all equipment for this model.
- Example: for a Q330-S Logger
 - “FIRMWARE-REVISION” is a good choice for a key
 - “IN MY SPREADSHEET” is not a good choice as it is not meaningful to everyone using that equipment model.

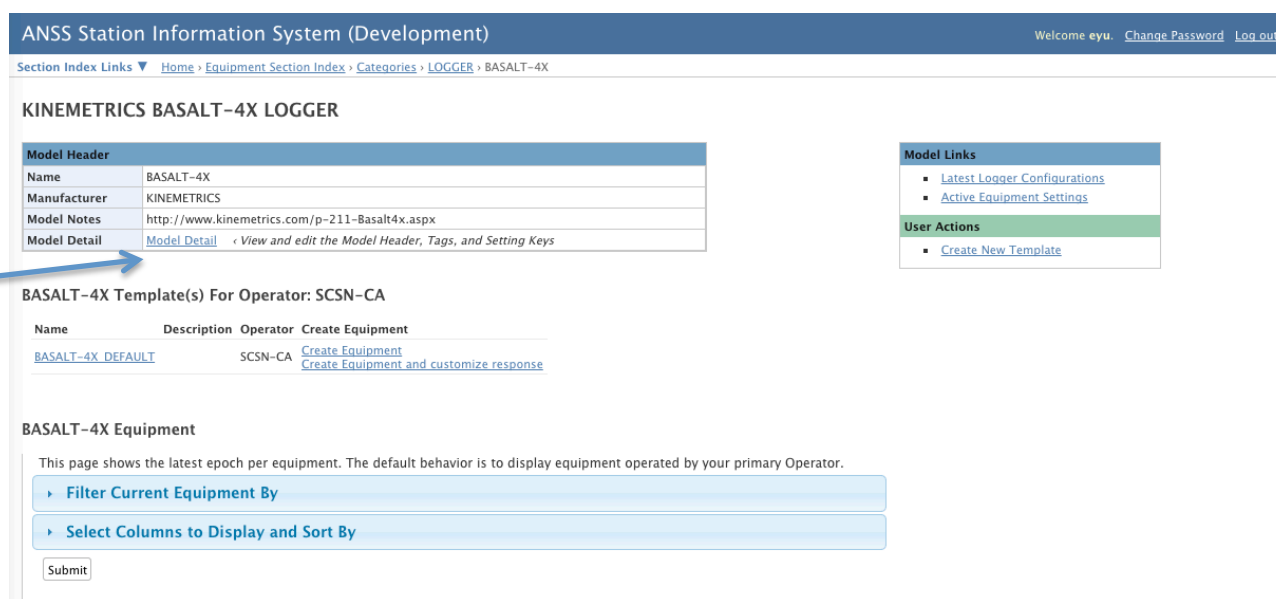
Equipment Model Setting and Attribute Keys

- There are 2 types of keys:
 - Setting Keys are epochable – they can change over time.
 - Ex: “FIRMWARE-REVISION” – we could use a setting key to describe this because it can have a different value over time.
 - Attribute Keys are single value.
 - Ex: “VOLTAGE” for a battery – we would not expect this to change in the life of a battery.

How to Create Equipment Model Setting and Attribute Keys

1. Go to a given equipment model summary page and click on the *Model Detail* link.

Click here



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KINEMATRICS BASALT-4X LOGGER

Model Header	
Name	BASALT-4X
Manufacturer	KINEMATRICS
Model Notes	http://www.kinometrics.com/p-211-Basalt4x.aspx
Model Detail	Model Detail <small>View and edit the Model Header, Tags, and Setting Keys</small>

Model Links

- [Latest Logger Configurations](#)
- [Active Equipment Settings](#)

User Actions

- [Create New Template](#)

BASALT-4X Template(s) For Operator: SCSN-CA

Name	Description	Operator	Create Equipment
BASALT-4X_DEFAULT		SCSN-CA	Create Equipment Create Equipment and customize response

BASALT-4X Equipment

This page shows the latest epoch per equipment. The default behavior is to display equipment operated by your primary Operator.

[Filter Current Equipment By](#)

[Select Columns to Display and Sort By](#)

How to Create Equipment Model Setting and Attribute Keys (cont)

2. On the “Model Header Page” you will see existing setting and attribute keys for that model. In the user actions panel you will see links to create model attribute and setting keys

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Model: KINEMATRICS BASALT-4X

[Back to Model Summary page](#)

Model Header	
Name	BASALT-4X
Category	LOGGER
Manufacturer	KINEMATRICS
Family	
Description	
Dynamic Range	8388608.0 [count]
Model Notes	http://www.kinematics.com/p-211-Basalt4x.aspx
NRL notes	
Header Created	2013-12-18 01:50:08 +0000 by init_script
Header Last Modified	2013-12-18 01:50:08 +0000

Model Tags		
Tag Name	Tag	Action
COSMOS-CODE	131	Delete

[Browse Model Tags across all LOGGER models](#)

Attribute Keys (used to add extra fields to the equipment header)	
Key Name	Description
ELECTRONICSN	Electronic serial number

[Browse Attribute Keys across all LOGGER models](#)

Setting Keys (used to create epoched equipment settings)	
Key Name	Description
KMI-ROCK-FILESYSTEM	filesystem version and update revision
KMI-ROCKHOUND	Rockhound version x.x

[Browse Setting Keys across all LOGGER models](#)

Admin Actions

- [Edit Model Name](#)
- [Edit Model details](#) (Manufacturer, etc)
- [Create Model Tag](#)
- [Create Attribute Key](#)
- [Create Setting Key](#)

Click here to create new keys

View existing keys here

How to Create Equipment Model Setting and Attribute Keys (cont)

3. Enter the new key name and description. The key description should contain information that will help other users fill in consistent values as appropriate to the key. For example, are you expecting only certain values such as “32-bit” and “64-bit”? Do you want people to enter “C” and not “Celsius”?
4. The two main things to remember here are that
 - a. Every user regardless of RSN will see these keys and can use them for equipment of a given model.
 - b. SIS does not do **any** validation/error checking of values for a given setting.

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Create Model Attribute Key

Required Fields have a bold label:

Key Name	<input type="text"/>	Permissible characters are: Upper-case letters [A-Z], digits [0-9], underscore, and hyphen. Name will be upper-cased upon submit.
Key Description	<input type="text"/>	
<input type="button" value="Submit"/> <input type="button" value="Save and add another"/>		

How to Update Values for Equipment Model Setting and Attribute Keys

1. Go to the equipment summary page of a given model. You will see the attributes in the “Equipment Header” section and the current settings under “Active Settings”
2. Click on “Edit Header” to update values for attribute keys.
3. Click on “Detail” link in “Active Settings” window to update values for settings keys or edit/delete epochs.
4. To create a new epoch for a setting key, click on “Start New Active Epoch” link in “Active Settings” window.

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KINEMATRICS BASALT-4X S/N 1096

Equipment Header	
Category	LOGGER
Model Name	BASALT-4X
Serial Number	1096
Is Actual Serial Number?	Yes
Vendor	
Note	
ELECTRONICSN	
Header Created	2012-05-01 23:06:45 +0000 by sis2.0_migration
Header Last Modified	2013-05-17 23:21:08 +0000

User Actions
Edit Header
Create New Calibration Epoch
Create Template From The Latest Calibration
Delete Equipment

Click here to change attributes.

Latest Configuration			
Config Date UTC	Data Stream Template	Wiring Template	Details
2014-04-22 21:17:27	JC Basalt 4ch	JC Basalt 4ch	Details

This Logger is currently installed. If it needs to be re-configured, it has to be done as a field action.

Site Installations					
On Date	Off Date	Site Net	Site Lookup	Install Alias	Install Notes
2013-05-16 (136) 18:00:00	Active	CI	TM3		

Equipment Epochs. Click on the On Date link to view its detail.							
On Date	Off Date	Operator	Owner	Property Tag	Project	State	Note
2013-05-16 (136) 18:00:00	Active	SCSN-CA		USGS-SN1096-2012		FUNCTIONAL	
2012-02-21 (052) 00:00:00	2013-05-16 (136) 18:00:00	SCSN-CA		USGS-SN1096-2012		UNKNOWN	Historical epoch created to retain in...

Active Settings. The available keys for this Model are shown.				
Key Description	Key Name	Setting	On Date	Detail/Action links
filesystem version and update revision	KMI-ROCK-FILESYSTEM	Rock1.Arm EABI filesystem 1.1	2013-05-14 (134) 00:00:00	Detail Start New Active Epoch
Rockhound version x.x	KMI-ROCKHOUND	3.9	2013-05-14 (134) 00:00:00	Detail Start New Active Epoch

Click here to change settings.