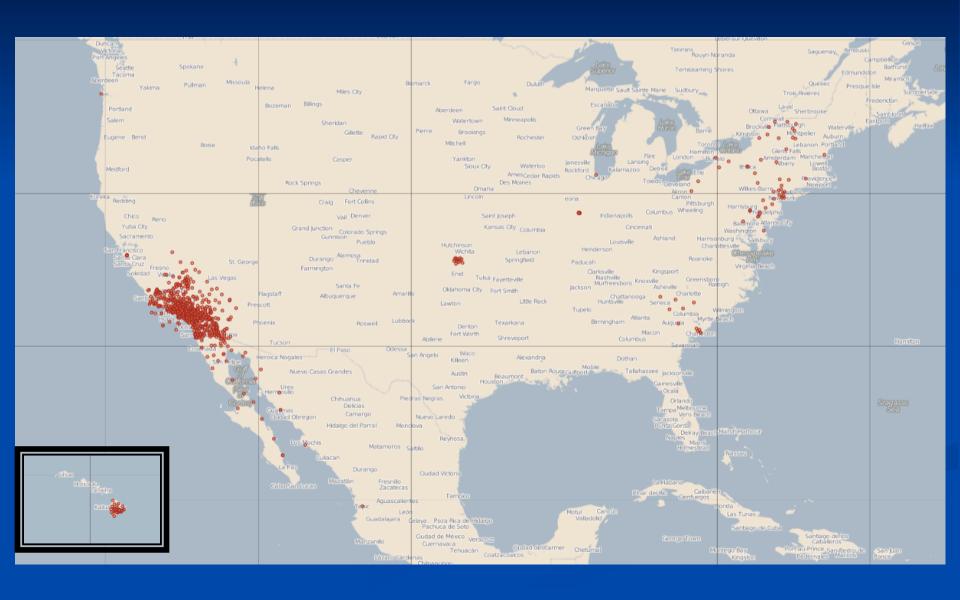
Station Information System (SIS v2.0)

Progress Report & & Future Directions

SIS v2.0 users



Equipment Repository

SIS serves as a comprehensive, community-maintained equipment repository

- Sources: Networks using SIS, IRIS Nominal Response Library (the NRL is refreshed daily)
- 222 Sensor models
- 120 Digitizer models
- 124 Manufacturers (all equipment types)
- Once a model is added by any user, it becomes available to all users

SIS Sessions at NetOps

Session 1: 12:30-1:50 p.m.

- SIS Progress Report
- User Case Studies and Best Practices Discussion
 - a. Jacob Crummey
 - b. Patrick Bastien and Mitch Gold
 - c. Mike Watkins
 - d. Aris Aspiotes and Dan Determan
 - e. Philip Crotwell

Session 2: 3:15-4:00 p.m.

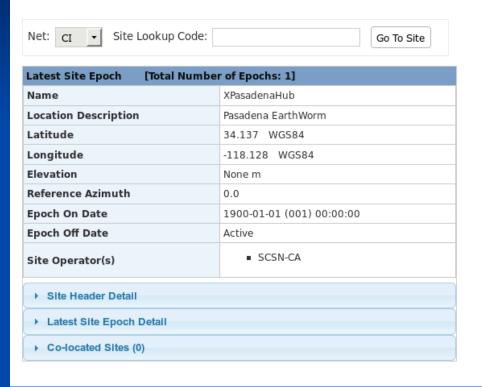
Survey results, Q&A, user feedback and discussion

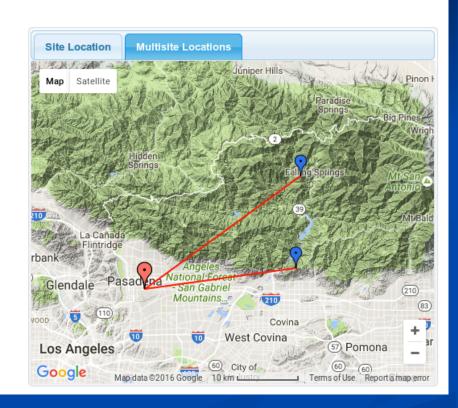
Development Accomplishments

- Editing Historical Metadata
- New Visual Displays for Users
- New Features
 - Co-located sites; transfer operatorship; jump to equipment; bootstrap multi-site logger
- Complete Description of SOH Channels
- Loading IIR Filters
- ExtStationXML version 2.1
- Improved Configuration Management

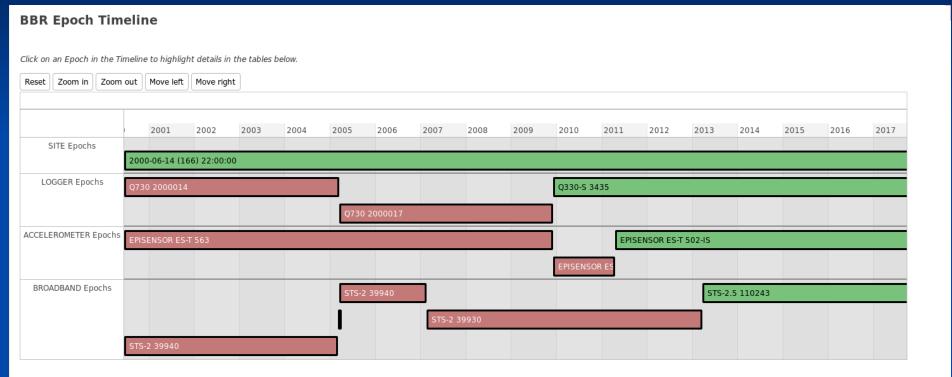
New Visual Displays for Users

CI XPASADENAHUB





New Visual Displays for Users

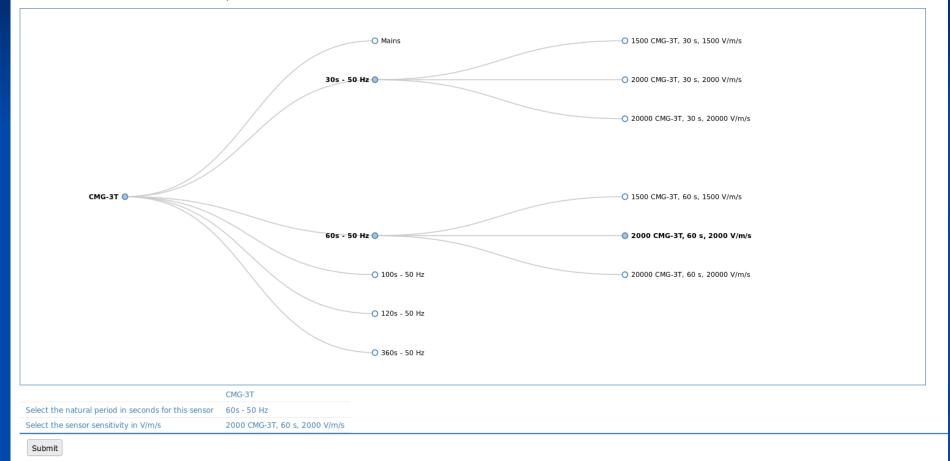


Epoch Timeline

New Visual Displays for Users

Select NRL Response for CMG-3T

Please make a selection from the tree nodes, and click the Submit button.



SIS v2.0 Help

- SIS trac wiki wiki.anss-sis.scsn.org/SIStrac/
 - SIS tutorials
 - Webex training sessions

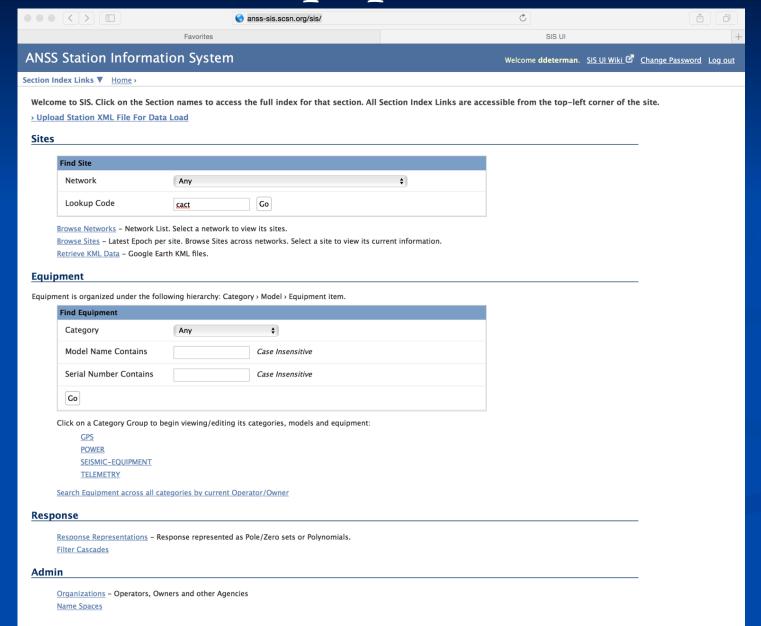




SIS developers: sis-help@gps.caltech.edu

Presentations

GPS Sites/Equipment in the SIS



Favorites

CI: CACT Site

Welcome ddeterman. SIS UI Wiki & Change Password Log out

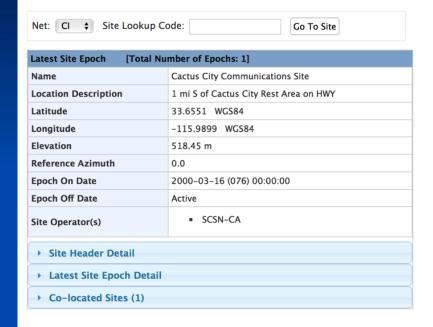
User A

Site Hi

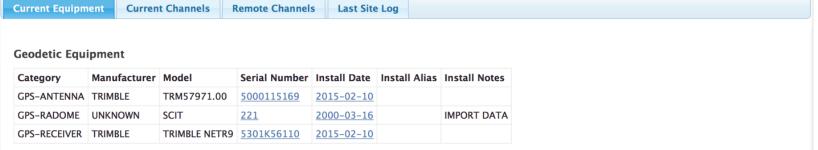
ANSS Station Information System

Section Index Links ▼ Home > Sites Section Index > Networks > CI > CACT

CI CACT







Go To Site

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ANSS Station Information System

Section Index Links ▼ Home > Sites Section Index > Networks > CI > CACT

CACT CI

Net: CI \$ Site Lookup Code:

Latest Site Epoch [Total Number of Epochs: 1]								
Name	Cactus City Communications Site							
Location Description	1 mi S of Cactus City Rest Area on HWY							
Latitude	33.6551 WGS84							
Longitude	-115.9899 WGS84							
Elevation	518.45 m							
Reference Azimuth	0.0							
Epoch On Date	2000-03-16 (076) 00:00:00							
Epoch Off Date	Active							
Site Operator(s)	■ SCSN-CA							

Network Name	Southern California Seismic Network
Site Lookup Code	CACT
Site On Date	2000-03-16 (076) 00:00:00
Site Type	GPS Station
Place Name	Cactus City
Header Created	2013-09-03 18:37:46 +0000 by sis2.0_migration
Header Last Modified	2016-09-29 23:09:07 +0000 by aaspiotes



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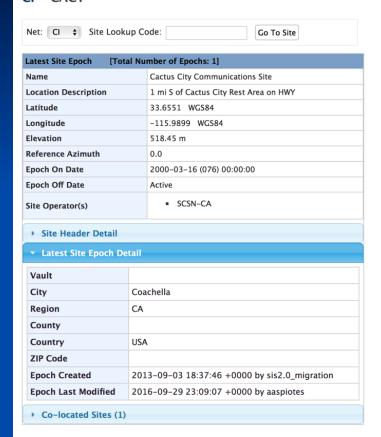
Current Equipment Last Site Log Current Channels Remote Channels

Geodetic Equipment

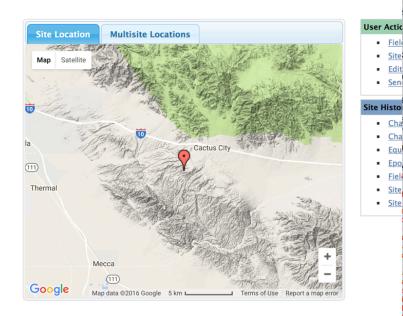
Category	Manufacturer	Model	Serial Number	Install Date	Install Alias	Install Notes
GPS-ANTENNA	TRIMBLE	TRM57971.00	5000115169	2015-02-10		
GPS-RADOME	UNKNOWN	SCIT	221	2000-03-16		IMPORT DATA
GPS-RECEIVER	TRIMBLE	TRIMBLE NETR9	5301K56110	2015-02-10		



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GPS-RECEIVER	TRIMBLE	TRIMBLE NETR9	5301K56110	2015-02-10					

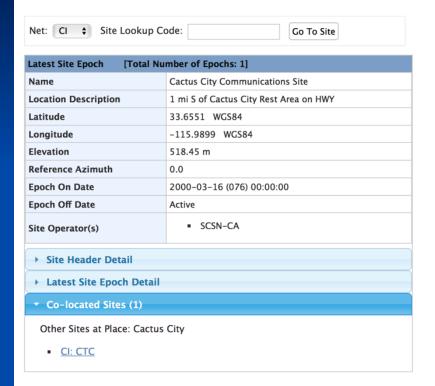
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Section Index Links ▼ Home > Sites Section Index > Networks > CI > CACT

CI CACT





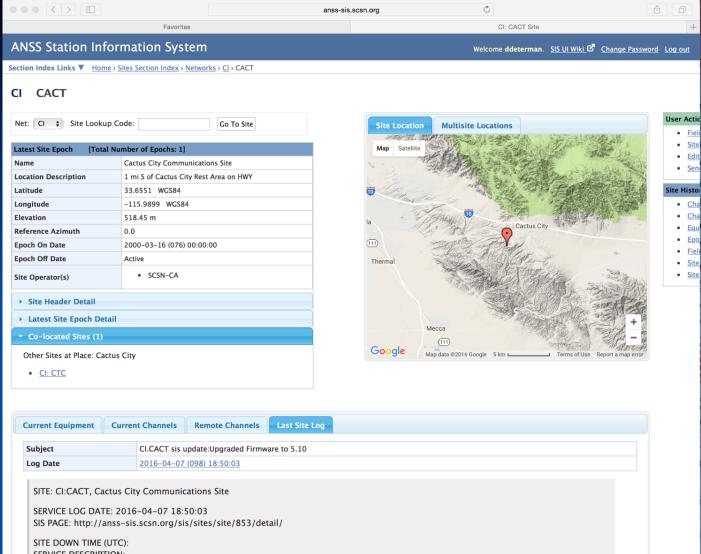
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GPS-RECEIVER	TRIMRLE	TRIMBLE NETR9	5301K56110	2015-02-10		





Presentations (cont'd)

End of Presentations

We will take a break for 1 hour and 20 minutes

- Return here at 3:15 p.m. for SIS Session, Part 2:
 - SIS User Survey Results
 - Questions and Answers
 - User Feedback and Discussion

Active Development Continues

- Development Transition
- Previously Identified Next Steps:
 - Telemetry
 - Integration of external repositories (email, photos, etc)

User Survey, Sept. 2016

- Number of respondents: 29
- No. of networks represented: 19
- Features most desired next, by priority
 - Telemetry #1 (10 votes)
 - Reports/better reporting #2 (6 votes); #1 (3 votes)
 - E-mail & image links #2 (5 votes); #3 (5 votes)
 - FDSN-style web services #1 (6 votes); #4 (4 votes)
 - Other suggestions had one vote

User Survey, Sept. 2016

Results tabulated with weighted ranking

Priority Rank	Telemetry votes	Email and Image Repositories votes	Reports/Better Reporting votes	FDSN-Style services votes	Rank Weight
1	10	3	3	6	8
2	1	5	6	3	4
3	1	5	4	1	2
4	2	0	0	4	1
Total Points Weighted by Priority	88	54	56	66	

User Survey, Sept. 2016 (cont'd)

Challenges of SIS

- 1. Steep learning curve
- 2. UI could be further tailored for field techs site visits
- 3. Error messages not helpful or clear
- 4. Waiting for development to use SIS for telemetry planning.
- 5. Help getting our metadata set up in order to migrate
- 6. Don't want to rely on a remote system we cannot fix locally
- 7. Improve reporting
- 8. Wish users could "belong" to more than one network
- 9. SIS setup does not fit needs

User Survey, Sept. 2016 (cont'd)

- How are you using SIS?
 - Data entry: 15
 - Editing entries: 13
 - Viewing: 3
 - Rarely use SIS: 3
 - Do not use SIS: 3
 - Single response for:
 - Just use to show off great features
 - Inventory, station service logs, dataless SEED generation
 - Generating reports
 - Not loaded yet

User Survey, Sept. 2016 (cont'd)

- What do you need to start using SIS or to migrate to using SIS?
 - 1. More time and/or exposure to UI
 - 2. Simpler interface geared towards field visits, so field techs can easily log what they did
 - 3. More streamlined way to manage stations of more than one type: seismic/GPS/Telemetry/camera
 - 4. Software and support for initial data upload
 - 5. More staff to assist with migration preparation
 - 6. Database linked to shipping and receiving for assets management

SIS v2.0 is Here for You!



http://anss-sis.scsn.org/sis/

Wiki: http://wiki.anss-sis.scsn.org/SIStrac/

Contact sis-help@gps.caltech.edu

for username and password