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To begin each user must log into POSM Web.

A screenshot of a web browser window showing the sign-in page for POSM Web. The browser's address bar displays "posmweb.posmssoftware.com/sign-in". The page has a dark background and features the POSM logo (a white cow head) at the top center. Below the logo, there are two input fields: "Username" with the text "bob" and "Password" with masked characters. At the bottom, there are two buttons: an orange "Sign In" button and a grey "Continue As Guest" button.

POSM

Username
bob

Password
.....

Sign In

Continue As Guest

Once logged in the user is presented with the Session Management screen.

Session Management

The screenshot displays the POSM Session Management interface. On the left is a dark sidebar with a menu icon and the POSM logo. Below the logo are navigation links: 'Session Management', 'User Management', 'Go To GIS', and 'Support'. At the bottom of the sidebar is a 'Sign out' button. The main content area is titled 'Session Management' and features a search bar with the text 'Search Includes:'. Below the search bar are three buttons: 'Edit Headers', 'Edit Observations', and 'Reset Filters'. In the top right corner, there are two buttons: a green 'Start New Session' button and an orange 'Search Sessions' button. The central part of the interface is a table with the following columns: 'Sessi...', 'Project Name', 'Asset ID', 'Start ID', 'End ID', 'Date', and 'Asset SL...'. The table contains 16 rows of data. At the bottom of the table, there is a pagination control showing '1' of 12 items per page and '1 of 1 pages (12 items)'.

	↑ Sessi...	↑ Project Name	↑ Asset ID	↑ Start ID	↑ End ID	↓ Date	↑ Asset SL...	↑
<input type="checkbox"/>	24			test	test	2/12/2024 12:00 AM	8	As
<input type="checkbox"/>	25			test	test	2/12/2024 12:00 AM	8	As
<input type="checkbox"/>	23			asdf	asdf	1/30/2024 2:30 PM	5	Dt
<input type="checkbox"/>	21			asdf	asdf	1/30/2024 12:00 AM	5	Dt
<input type="checkbox"/>	22			asdf	asdf	1/30/2024 12:00 AM	5	Dt
<input type="checkbox"/>	1	POSM		A9	A8		8	Pc
<input type="checkbox"/>	2	POSM	SS-001	A8	A7		8	Pc
<input type="checkbox"/>	12	POSM		A8	A7		8	Pc
<input type="checkbox"/>	13	POSM	SS-002	A8	A7		8	Pc
<input type="checkbox"/>	14	POSM	SS-002	A8	A7		8	Pc
<input type="checkbox"/>	15			test	test		8	Br
<input type="checkbox"/>	16	test		test	test		2	Ce

The side panels for options can be reduced to save space. The POSM Menu on the left can be expanded and contracted by pressing the three lines on the upper left side of the window. Its menu includes:

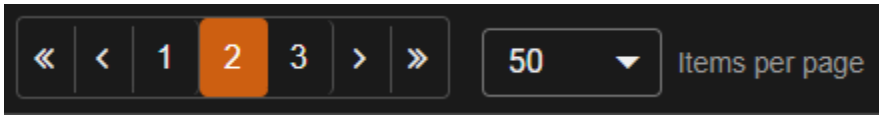
- Session Management Link, a link that will bring the user back to session management.
- User Management Link, a link that will open the add/delete/edit user menu. This menu is only available to users with administrative privileges.
- Go To GIS, a configurable link that opens the user web based online GIS system.
- Support, a link to POSM support web page.
- Sign out, will log out the current user from POSM Web.

On the upper right-side panel, the user has the option to Start New Session and open the Session search panel.

- Start New Session, a link that will open the session header editor with a blank new inspection window.
- Search Sessions will open the session search panel.

The center panel allows the user to see the selected search results. By default, the system will display the latest 100 inspections. By selecting an inspection, the user may choose to: Edit Headers, Edit Observations, or Reset Filters.

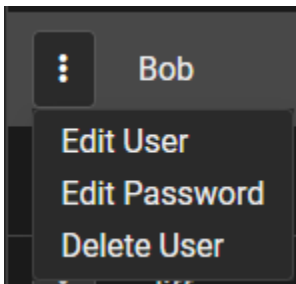
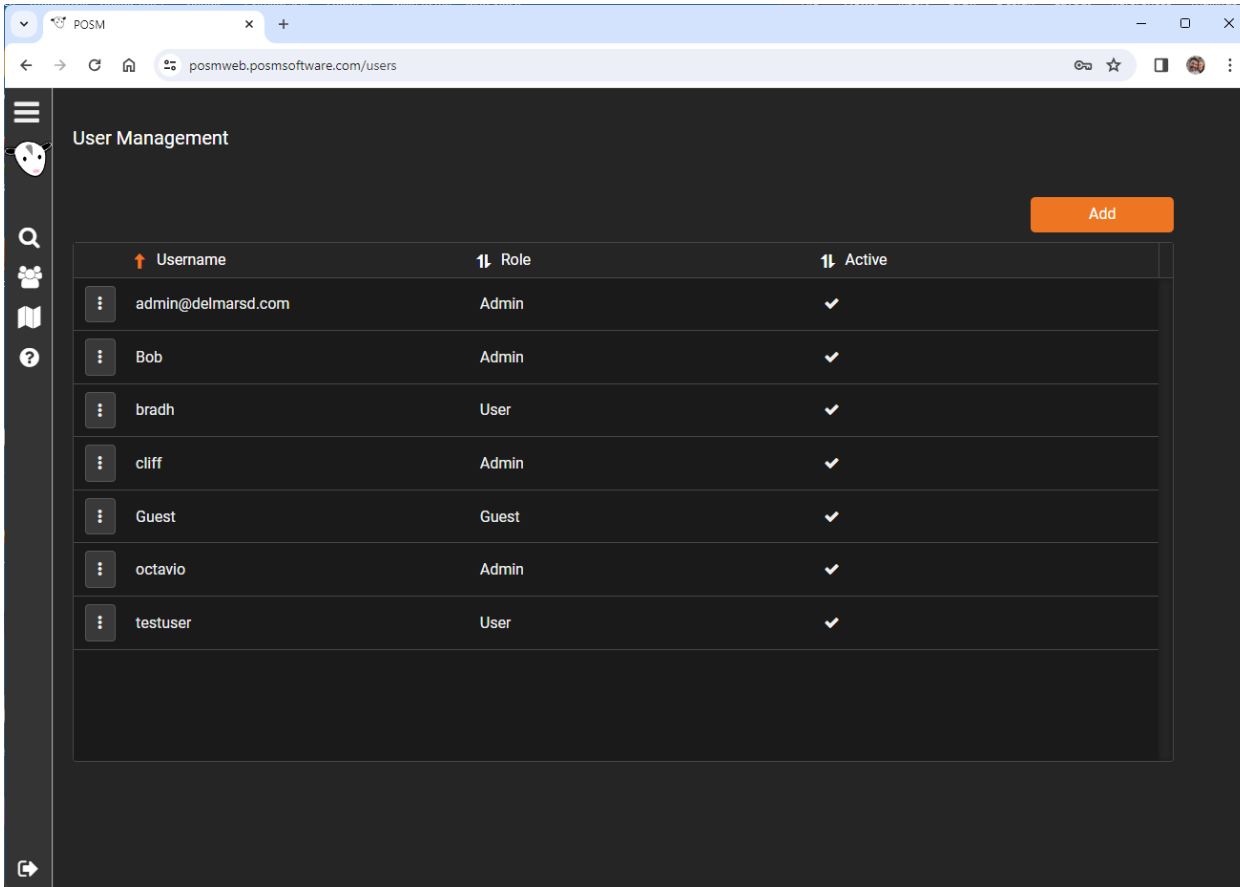
- Edit Headers will open the selected session's header to edit or view depending on the user's rights.
- Edit Observations will open the session video and observations to edit or view depending on the user's rights.
- Reset Filters will clear the current search query and list the latest 100 sessions.



The navigation section allows the user to choose how many sessions to display per page and to navigate pages when more sessions exist in the current query.

- The double left arrow will return to the first page of results.
- The single left arrow will go back one page of results.
- The user may jump to a page of results by clicking on page number.
- The single right arrow will go forward one page of results.
- The double right arrow will go to the last results page.

User Management



To edit a user, press the three vertical dot ellipses next to the user's name. This menu is only available to users who have the role of Admin.

Edit User [X]

Username
Bob

User Role
Admin

Active

Save Cancel

Edit user allows the administrative user to change a user's name and their role.

User Role

Admin

Admin

User

View-Only

Guest

The user role dropdown contains:

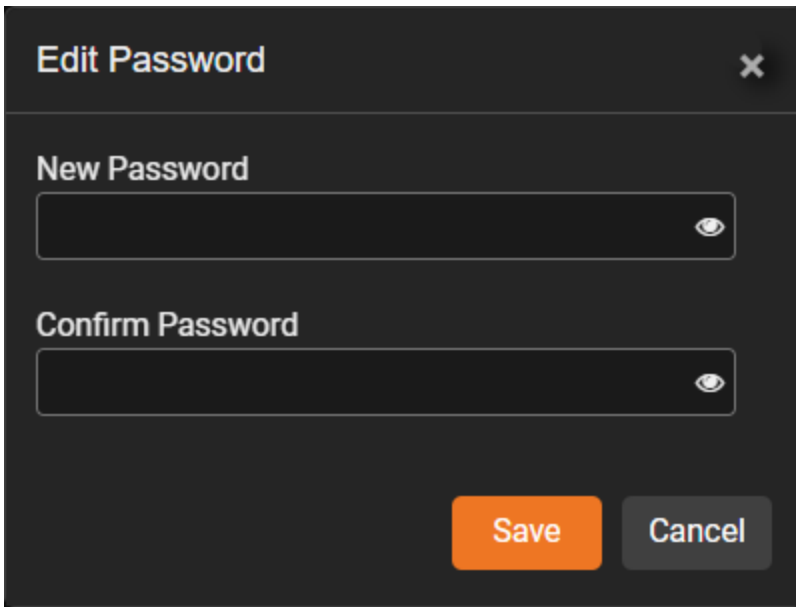
Admin: Full access Read/Write to POSM session headers, observations, search queries, and users editing

User: Read/Write access to POSM session headers, observations, and search queries.

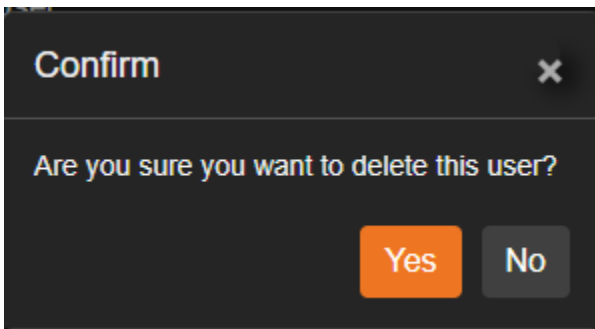
View-Only: Read only access to POSM session headers, observations, and search queries.

Guest: Read only anonymous access to POSM session headers and observations

The Active checkbox allows a user to have its access temporarily removed but not delete their credentials from the system.

A dark-themed dialog box titled "Edit Password" with a close button (X) in the top right corner. It contains two input fields: "New Password" and "Confirm Password", each with a toggle icon (an eye) on the right side. At the bottom, there are two buttons: "Save" (orange) and "Cancel" (grey).

Edit password allows the user to create a new password for the selected user.

A dark-themed dialog box titled "Confirm" with a close button (X) in the top right corner. It contains the text "Are you sure you want to delete this user?". At the bottom, there are two buttons: "Yes" (orange) and "No" (grey).

Delete user will prompt a confirmation if the user should be deleted.

Add User [Close]

Username
POSM

New Password
..... [Visibility Icon]

Confirm Password
..... [Visibility Icon]

User Role
User [Dropdown Arrow]

Active

Save Cancel

The Add user button will open an add user window. The administrator must enter a username, password, role and if the account is to be active or not. To save the changes press Save, to cancel the add user press Cancel.

Session Search

Session Search

Dep-Brk Not Set Not Set Not Set Not Set

Template: Any

Date Range

Asset ID

Direction: Any

Project Name

Start ID

End ID

Location

Advanced Search

AND OR +

Select a field

Search Close

POSM Webs session search has been resigned for more powerful search options into a POSM database.

A user may search by Any template which will search POSM's indexed fields for each template, or they may choose a specific template to search sessions.

For commonly used search items such as Project Name, Dates, Start (Upstream) ID, End (Downstream), Asset ID, Inspection Direction and Locations the user may type in values to dropdown box. More than one search box may be used at one time. To begin searching for a value type in the first letter or number of the value to search. The system will begin searching for matching values once a value has been entered. Using the % value will search for matching values with a wildcard option. For example, S% would search for all values with S at the beginning of the value.

Advanced Search allows the user to search for multiple fields at the same time with And/Or statements.

The screenshot displays the 'Session Search' interface. At the top, there are five filter buttons: 'Dep-Brk' (highlighted in orange), and four 'Not Set' buttons. Below these are several input fields: 'Template' (set to 'NASSCO PACP'), 'Date Range' (with a calendar icon), 'Asset ID', 'Direction' (set to 'Any'), 'Project Name', 'Start ID', 'End ID', and 'Location'. The 'Advanced Search' section is located at the bottom, featuring a toggle for 'AND' and 'OR' (with 'OR' selected), a '+' button to add conditions, and two existing conditions: 'Deposits > Greater Than 1' and 'Broken / Holes / Collapse >= Greater Than or Equal 1'. 'Search' and 'Close' buttons are at the bottom right.

With an And search the values searching must be part of the session.

With an Or search the values can be either value entered as part of the search.

Conditions may be added to the search by pressing the + button and then selecting Add Condition.

Session Search ✕

Not Set ▾

Not Set ▾

Not Set ▾

Not Set ▾

Not Set ▾

Template

Date Range

Asset ID

Direction

Project Name

Start ID

End ID

Location

Advanced Search

AND
OR
+

✕

AND
OR
+
✕

✕

✕

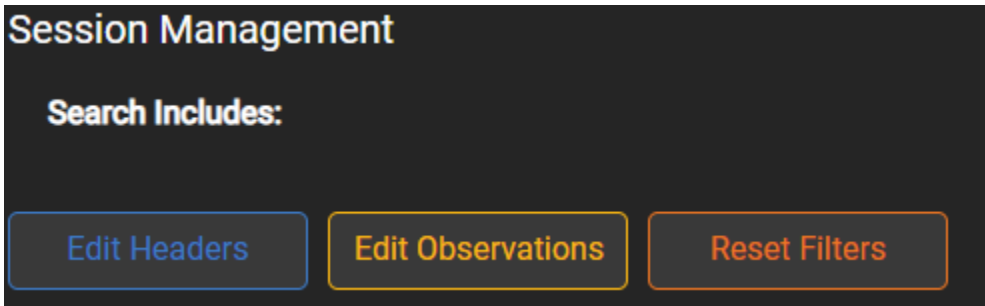
Search

Close

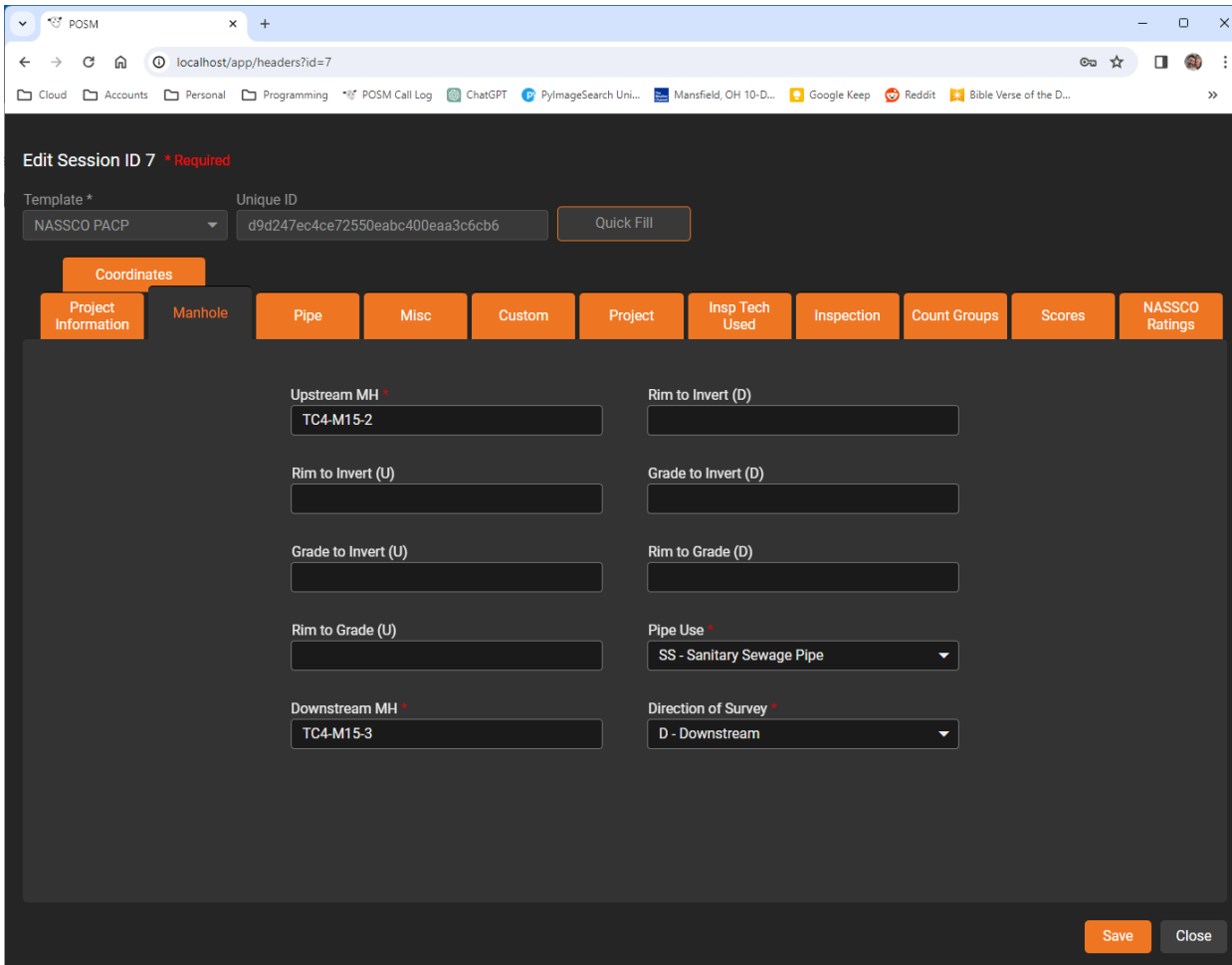
Group Searches may be created by pressing the + button and selecting Add Group option.

In this example the user is searching for all sessions in the project TC4 that have Deposits or Roots in them.

View / Edit Headers

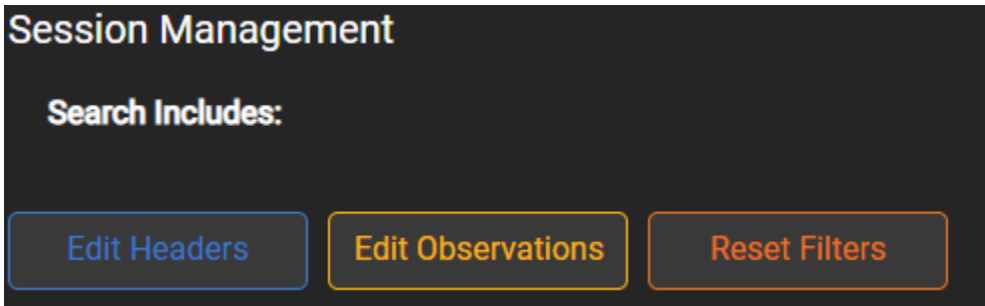


After a session is checked the user may view or edit the header information by clicking Edit Headers.

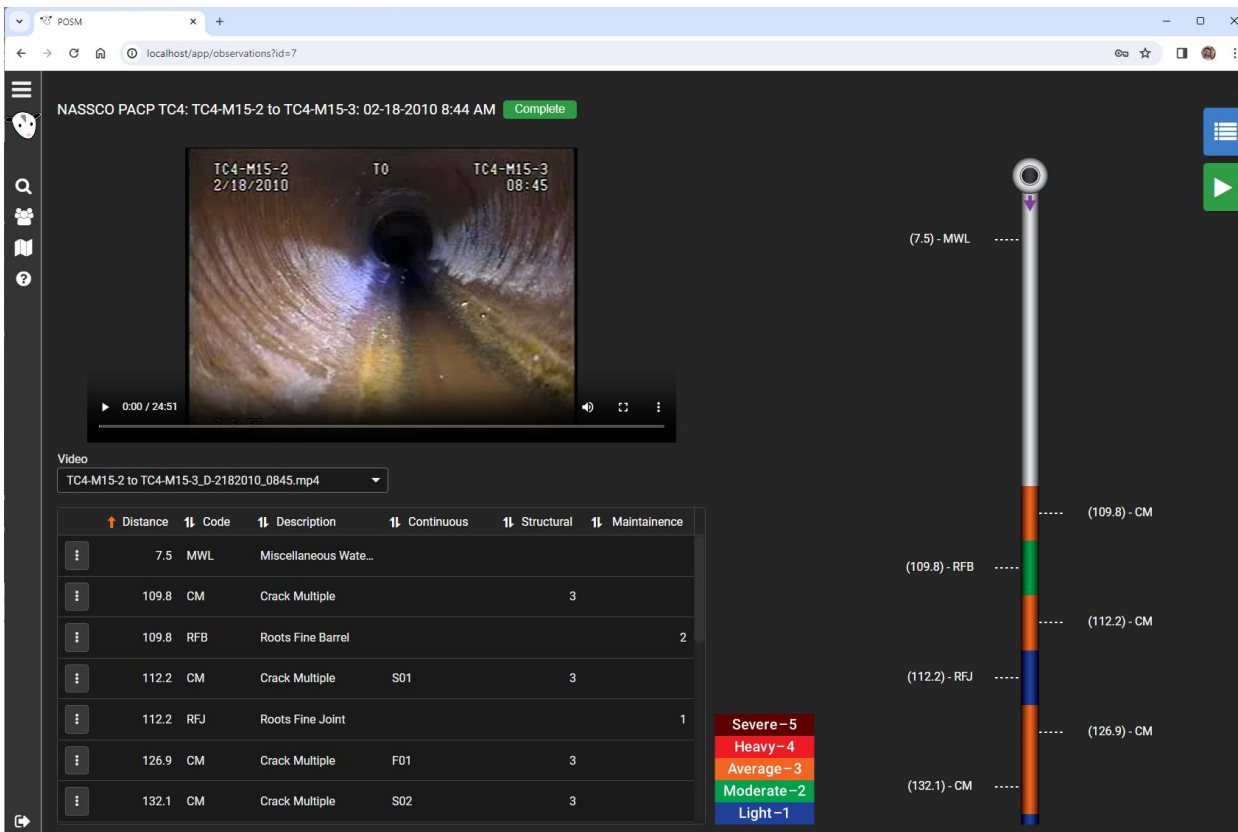


Each tab of the header will display up to 10 header fields for the selected tab. A template in POSM may have up to 20 tabs of data. If the user has permissions, they may edit these header fields. To Save any changes press the orange Save button on the bottom right of the window. To close the header without saving press the grey Close button.

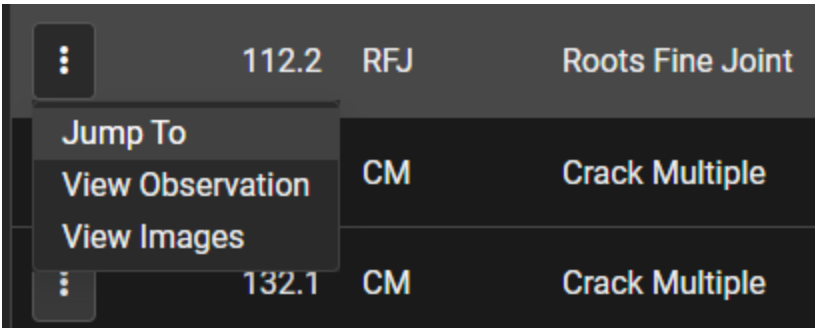
View / Edit Observations



To view the observations and video for a session, check a session from the session management list and then click Edit Observations from the menu.



By default, the Edit Observations window will be in viewer mode. This allows the user to view the video for the inspection, plot page, observations, and associated images. To play the video move the mouse over the video and click the triangle play button. Once playing the video may be paused by pressing the double line pause button. Using the video window slider the video position can be moved forward and backwards.



To jump to a specific observation the user may click on the observation from the plot or by selecting the triple dot ellipsis and clicking on Jump to.

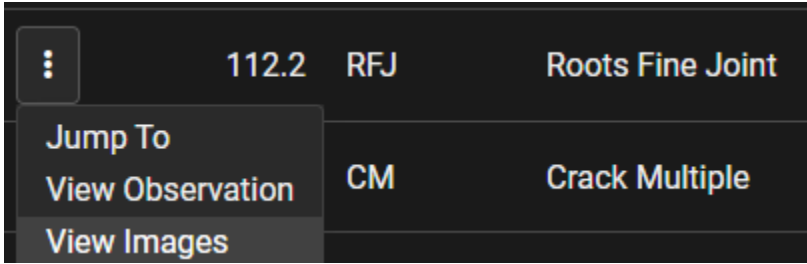
Selecting View Observation will open the observations data window.

The 'View Observation' window is displayed with a dark theme. It has a title bar with 'View Observation' and a red asterisk indicating a required field, and a close button (X). Below the title bar are two tabs: 'Observation' and 'Images', with 'Images' being the active tab. The main content area includes several input fields and dropdown menus:

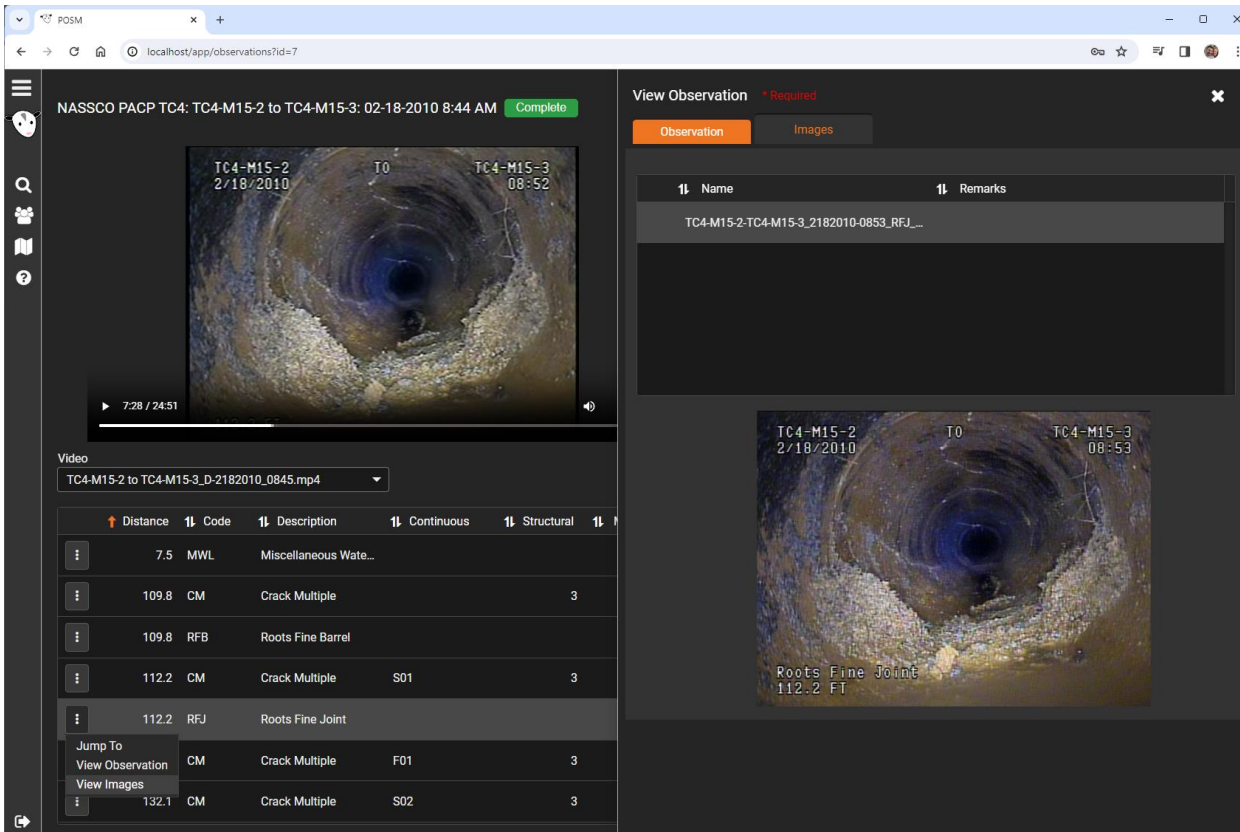
- Timestamp:** 00:10:25
- Set Distance *:** 132.10
- Parameter Grid:** A grid of dropdown menus for AMH, TF, CL, B, MGO, MWL, DAGS, RBB, H, and MSA.
- Category:** An empty dropdown menu.
- Observation *:** CM - Crack Multiple
- From *:** 12
- To *:** 1
- Joint:** Joint
- Is Continuous:** Is Continuous S02
- Structural Weight:** 3
- Size:** An empty text input field.
- Defect:** 0
- Remarks:** An empty text input field.
- Attn Req:** Attn Req

The View Observation window will display only the required and optional fields for the selected observation.

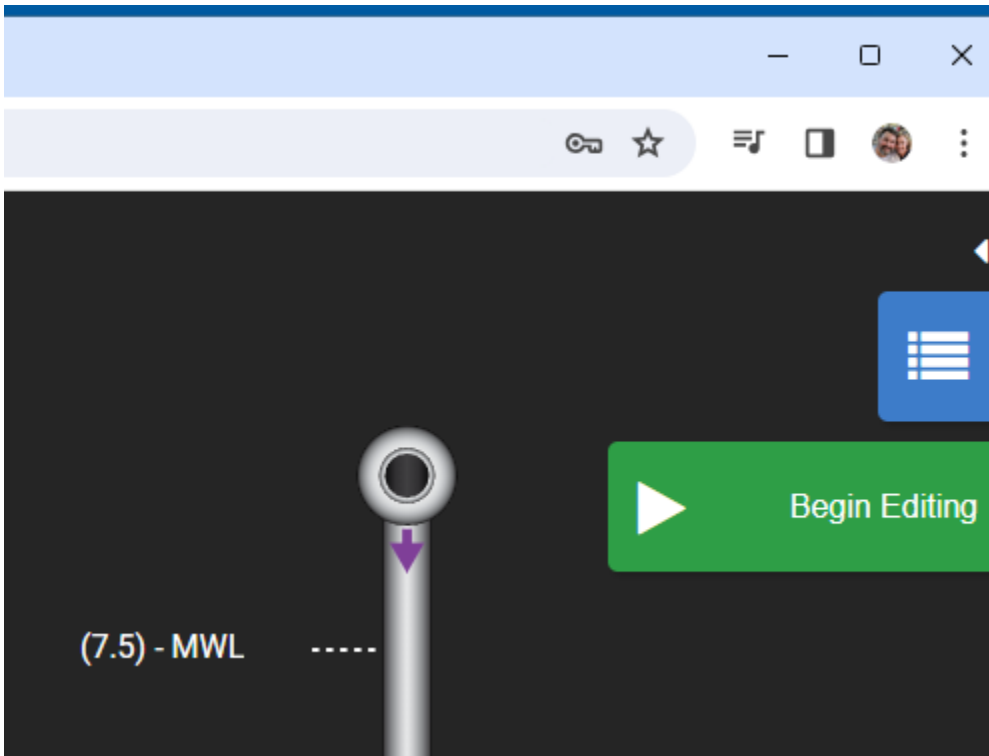
Clicking on the Images tab will allow the user to view the recorded observation image for the selected observation.



Images for the selected observation may also be viewed by selecting the observation from the observation list and selecting View Images.



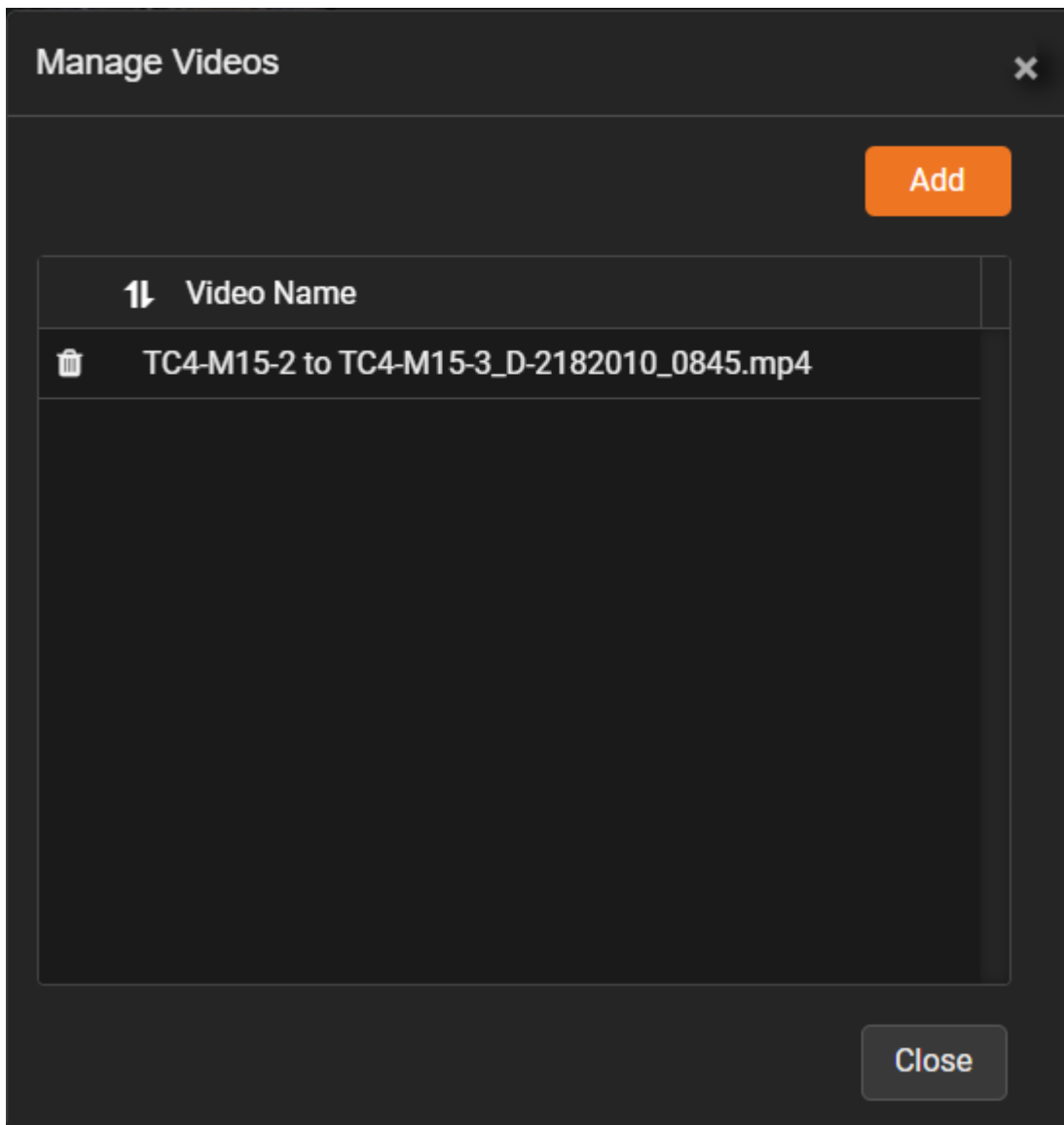
Edit Observations



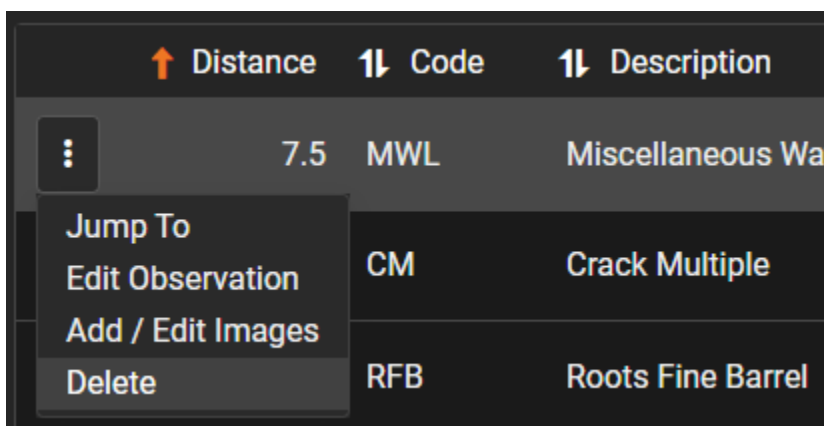
To add / edit observations the user must have the proper edit permissions for their user login. Once a session has been selected and the Edit Observations button is selected, the user must press the Green Play button on the upper right of the Edit Observations window.

In Edit mode the user may add new videos, take observation images, create observations, and edit observations.

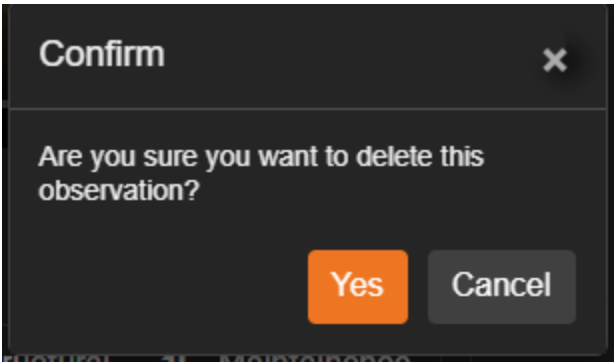
To add or remove a video from a session press the orange Manage Videos button.



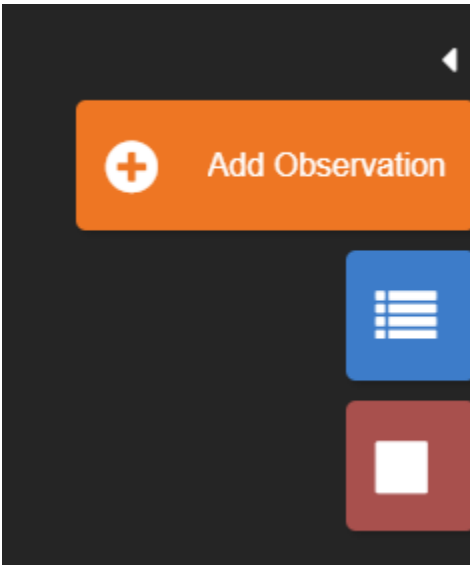
A video file may be added by pressing the orange Add button. To remove a video, press the trashcan icon next to the video to be deleted. To close the manager videos window, press the Close button.



Once the user has selected Begin editing an observation may be deleted by selecting Delete from the observation ellipsis drop down.



A confirmation box will appear. To delete the observation, select Yes. Clicking Cancel will close the delete menu without deleting the observation.



To add a new observation, click the + Add Observation button from the upper right side of the edit observations window.

A dark-themed form titled "Add Observation" with a close button (X) in the top right corner. The form contains several input fields and dropdown menus. At the top left, "Timestamp" is followed by a text input field containing "00:00:00". To its right, "Set Distance *" is followed by a text input field containing "0.00". Below these are two rows of dropdown menus. The first row contains "AMH", "TF", "CL", "B", and "MGO". The second row contains "MWL", "DAGS", "RBB", "H", and "MSA". At the bottom, there are two more dropdown menus: "Category" and "Observation *".

Once selected the Add observation window will appear. The user may select a hot button to quickly find an observation. Or select an observation to be added from the Observation drop down menu. Selecting a Category will display only the observations that are grouped into the selected Category.

The image shows a software interface with two dropdown menus. The first menu, labeled 'Category', has 'Access Point' selected. The second menu, labeled 'Observation *', is open and shows a list of observation types. The first item in the list is 'AMH - Access Point Manhole', which is highlighted in blue. Other items in the list include 'ACB - Access Point Catch Basin', 'ACOH - Access Point Cleanout House', 'ACOM - Access Point Cleanout Mainline', 'ACOP - Access Point Cleanout Property...', 'ADP - Access Point Discharge Point', 'AEP - Access Point End of Pipe', 'AJB - Access Point Junction Box', and 'AM - Access Point Meter'. The 'AMH - Access Point Manhole' item is also present in the 'Observation' dropdown's header area.

Add Observation * Required
✕

Timestamp

Set Distance *

AMH ▾

TF ▾

CL ▾

B ▾

MGO ▾

MWL ▾

DAGS ▾

RBB ▾

H ▾

MSA ▾

Category

 ▾

Observation *

 ▾

Take Picture

Remarks *

Attn Req

Save

Save and Add Another

Close

When an observation has been selected the user will be presented with up to 19 observation edit fields. Only required and optional fields will be displayed. To capture an image while adding the observation ensure the Take Picture box is checked before saving the observation. To save the observation press the Save button, this will save and close the Add Observation window. Pressing Save and Add Another will save and keep the Add Observation window open. If the user chooses to cancel the add observation, press the close button to close the Add Observation window.

NASSCO PACP TC4: TC4-M15-2 to TC4-M15-3: 02-18-2010 8:44 AM Complete

TC4-M15-2 2/18/2010 T0 TC4-M15-3 08:45

0:00 / 24:51

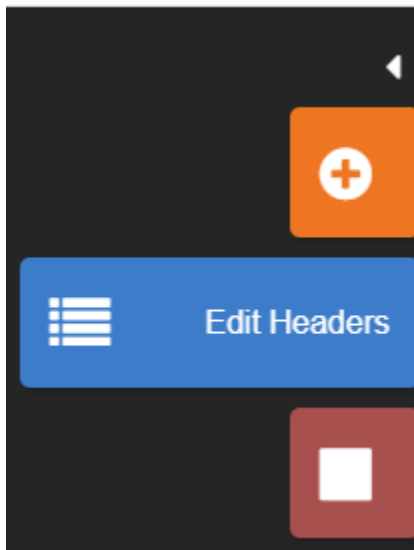
Video
TC4-M15-2 to TC4-M15-3_D-2182010_0845.mp4 Manage Videos

Distance	Code	Description	Continuous	Structural	Maintenance
0	AMH	Access Point Manhole			
7.5	MWL	Miscellaneous Water Le...			
109.8	CM	Crack Multiple		3	
109.8	RFB	Roots Fine Barrel			2
112.2	CM	Crack Multiple	S01	3	
112.2	RFJ	Roots Fine Joint			1
126.9	CM	Crack Multiple	F01	3	

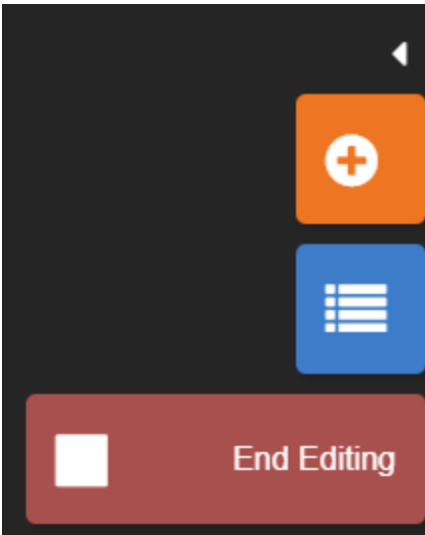
Severe-5
Heavy-4
Average-3
Moderate-2
Light-1

(0) - AMH
(7.5) - MWL
(109.8) - CM
(109.8) - RFB
(112.2) - CM
(112.2) - RFJ
(126.9) - CM

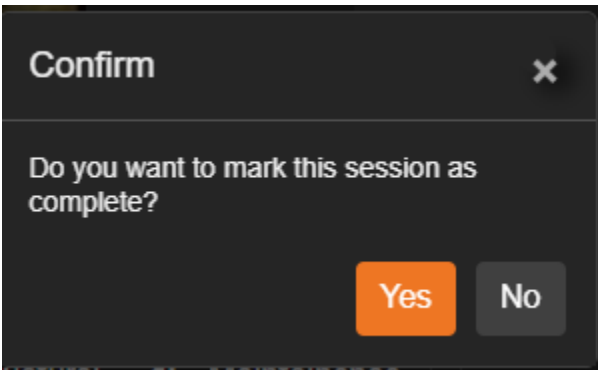
An AMH – Access Point Manhole has been added to the inspection.



The user may make changes to the session header while editing the observations by selecting the blue Edit Headers button from the upper right corner of the window.



To finish editing press the red End Editing button from the upper right corner of the observation edit window.



When the End Editing button has been selected a pop-up window will ask if this inspection is complete. Choosing yes will flag this inspection as completed, choosing No will flag this inspection as not complete.

Once the inspection has been marked complete or not complete the inspection goes back into view observation mode.