FEMS Office Hours-20250812_110125-Meeting Recording

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1h 5m 26s

◉ **Scott Linn** started transcription

SL   **Scott Linn**   0:03

On the team site here, so everybody will be able to view the information.

As usual, don't hesitate to raise your hand if you have questions.

Post in the chat, I'll try and keep up on the chat as well, but today I wanted to go over the general steps of how to.

Do the comparisons between.

Your or get your breakpoints established from where you used to have your breakpoints in in whims to how to then update those to the new fems breakpoints using a pretty simple method. This is not going to be the end all be all.

But it's a good intermediate process to help you get through the transition between now and the fall or early winter, when you can do a full.

Revision of the information so.

So that's the intent for today going forward.

So I'm gonna start out, just do a quick screen share where we can re grab all the information. I'm gonna try and do this the best I can in the most systematic process possible so.

Things you will need to have on hand before you start this process.

You will need to have the.

Your F stop your current FDA appro, which will hopefully have all of the information. So let me see here.

So here I have an example of.

A current FDA.

For Northern Colorado Dispatch center.

So I have my copy of my dispatch operating plan or my FDAP whatever documents that the unit may be utilizing that highlights. And I'm just going to use one specific snippet of that.

We're going to be utilizing the adjective rating for the Northern Colorado Interagency Dispatch Zone.

So this would be for the eastern.

Dispatch area.

So I have this information available readily at hand.

That's gonna be one of the first steps you need.

You also need to have a copy of the database, so you will need a copy of the FW 13 database.

This is or what was utilized to produce the existing FDA. So I have that available. And then I also want to go and make a new database.

So this would be.

The original one at hand.

So the next steps, once I have those two pieces of information available.

I need to go into the fems web portal and go into the transition materials and this is only one of the locations, but it's probably the easiest one for everybody to grab the default version three database.

Now there's been questions about the version 2 versus version three database.

What changes were made to it, and I can assure you that the only changes that were really applied to the version 3 is that I added additional.

To the fems 3.

Database. No other changes had been made related to the station catalog, PRECIP, or inputs that would impact.

The the outputs for fire information so so make sure you grab your your database.

Once I download that, I'll show you what that looks like.

I got kicked up by Gary.

The 20 hour time off award in July, so I download that.

I click on that I download it.

I have my fems default blank version three database, so I have that saved to my location and then go back into.

Rake with rake. Go back into Firefly plus and I wanna do a file open and I want to open that blank database so I go into.

My area that I had it saved.

Sorry not one.

Fems and I will open up my blank version three database and then the first thing I want to do with this data set or this database is then save it.

So I'm going to do a file.

Save as and I want to save that as.

I'm just going to put it in here.

As let's see here my.

Colorado.

Fems database.

So I save.

And I now have that open.

So I am going to just for purposes here. I've already downloaded all of my weather information from.

From fems.

So I'm going to show you what that looks like, but that would be the first steps I undo.

Next step then would be going back getting into.

Fems and you need to get your fire data or your weather data if you have not done so already.

So you're going to get your weather data, download it all, and then input that into.

Your.

Thumb's database. So show what that looks like.

I'm gonna open these up.

Hope they don't crash. Firefight. Plus in the meantime, so I have that from and I also want to open up my original whims as well.

So here I have my two databases open side by side.

One has.

The original data that's FW thirteens that I brought in from the old data warehouse.

That was where I developed the original breakpoints and then the I have the new FEMS database and fem's weather information and it also has all the default station data in it.

I can check that as well by looking in the station jobs.

Searching one of my stations.

And making sure that does not have the correct settings in it.

So I'm going to have to.

I might have to go back and change this one.

Yeah, I gotta make sure I apologize.

Maybe she's available later today, but I thought this one had been adjusted.

So I'm gonna have to address that with the individual who brought this in.

Or who shared this one with me so the.

Let's see here.

Double check this one station.

I have the wrong. Yeah, I did.

Of course I did.

Yeah, so, so I don't know why, OK.

Alright, so then he had.

He had it signed. Man, I thought I was all ready for this.

I apologize.

But I can still go.

Ward, Michael - FS, GA 7:31

Hey, Scott, there's some background conversation going on.

I don't know if it's on your end or somewhere else, but it's kinda hard to hear what you're saying sometimes.

Scott Linn 7:38

Oh boy, I apologize.

That's.

Oh man, I apologize.

Is that any better?

Ward, Michael - FS, GA 7:47

Yes, Sir.

Scott Linn 7:49

I really apologize, Michael.

Ward, Michael - FS, GA 7:49

Thanks.

Scott Linn 7:50

Boy, I wish I would have been brought up ahead of time.

I thought I was on my headset and I was on my computer.

I greatly apologize for that so.

Let's let's start over.

Did you guys copy any of that information?

Ward, Michael - FS, GA 8:08

Yeah.

Jackie Broeker 8:09

Yeah, part of it, yeah, for sure.

Verdegan, Travis (DNR) 8:10

Yeah.

Conway, Mark - FS, MT 8:10

Oh yeah.

Jackie Broeker 8:12

Part of it came through, but it was just distracting to have somebody else talking behind you.

But you're good now.

Scott Linn 8:17

Yeah, sure. Man, I am so sorry about that.

I thought I was on my headset.

So OK, as long as you guys have the majority of where we are at, so.

I so I will share these two databases.

I apologize.

I thought so.

This one I I thought had the correct data set in it and it does not.

I have this actually has the old.

It has the old data.

But my steps are still the same of how we did that.

So I wanted to go through and I know that this is going to be off slightly.

But I'm gonna assume that.

Let's just assume that this one data set is the V3 that I use and I renamed it to be the fems data set. OK.

This one is my whims data.

I wanna make sure so I have my old historical information.

This is what they had set for their timelines when the original information was brought in.

And I set my new one to meet that again.

I know that these are gonna be slightly different than what is produced in in fems right now, but for the initial steps of what we wanna do, let's just keep the analysis information the same.

The slope class you will see will be different and you're gonna wanna leave it different.

For that information, but we want we wanna do is find out.

We need to know the old value of ABI of 50 and an old break point of ERCZ of 60.

We want to know what those new values are. That's that's really the whole point of what we're trying to get to.

So how do we get that information?

So we're gonna first do is get into the old working set.

So I have my highlighted whims data set and I want to just do.

A.

Run a climatology and I want to do dough both.

ERC MB I?

Now there's two ways of doing this. I can set my critical break points.

Or well, no, I can't even do that yet.

So I wanna leave this as I wanna run this.

In the old data set. So I have my old whims data set and I'm running this and I'm just running the simple climatology graph.

So I have my BI and I want to know that sixty was the breakpoint. Anything less than 60.

So I go to my BI of 60 and I'm in model Z.

And I'm clicking on this and I have my value.

And I can always check on there's my X value of 585960 so I can see that on the bottom right you've got an X value of 60.

The Y value is 57, so I know now that.

You know 5657 somewhere around there. So I'm gonna go with a 56 is my value or is the percentile that it's associated with my burning index of 60? OK.

So I take my 56 and I'm just gonna input that into.

Right here, I know that my.

Breakpoint is the 56 and I'm just gonna put the percent sign even though I know it's not the correct one, right?

So I have that and then I also need to find my ERC value.

Of for the whims.

For that. So I'm gonna go back into Firefly plus.

I can bring up my ERC.

I know I needed that as well.

Apologize so I need less than 60. Did I do that?

Yeah. Let's see here, so.

Lesson 60 and I did lesson 50 on the other.

So I need to redo that one already. So 60. I'm at the 51st percentile.

And I was just trying to do something. An example of this to try and make it pretty easy.

To understand and I'm hoping that this works, so we'll give it a shot.

And I know I goofed up 'cause I put this was 60th percentile.

So I need to redo that real quick.

Let me rerun my BI.

Afraid of the roller coasters?

All right, so I needed that actually at a 50th percentile.

So I'm at 44.

I'm sorry, the value of 50 and of it's at 44th percentile.

So I'm going to do this and just repeat this for both 63.974 and I'm just going to get these values right so I can do that real quick.

For both BI and the ERC for these values.

So all you're going to do is run these.

So I said that value that I needed was a 64.

And that gives me a percentile 63%.

63rd.

And so I'm going to do that and I'm going to fill out this chart, OK.

That's really the easy ways of doing this is I need.

I know my percentiles to get this, so I know I need to look at.

The 51st percentile.

And the 42nd percentile.

So go back into here and I can close these out after I run all these in my old

climatology in my whims database.

I then go over to my fems database again, making sure that I've got my similar time frames associated with this and I'm going to run my climatology for this and I'm going to run my ERC values and I can either on this one now.

Type in the value that I'm looking for 'cause I know what percentile I'm looking for, or I can do it the old fashioned way, so I'm not really the same way that I did.

So for simplicity reasons, I'll just run it the same way.

But I will show you the other way that you can get that value.

And again, we are looking for the 51st ERC and the 42nd BI.

And I haven't run this data set yet, so it's gonna take a moment to calculate.

This is also available step by step is available on.

The web portal.

So this is really when you get into the transition materials?

The optional job aid of translating fire danger values this step by step is written up in here of how to really get how to work through this process. If you need to.

You know, verify plus taking his time questions so far on the process. So write up the issues from BLM on downloading default blank database.

Yeah, Barry, good question.

So the default blank database if you cannot get it from this application portal.

You should have if you don't have access to.

The team site.

Let me show you where you can pull it from on there.

On Firefly me or on the.

On fire net so.

Kleckler, Barry D 16:21

All right.

I mean, I've figured out my own work around.

I've talked to a few other folks, gave them my workaround, and then they they even came up with some more creative ones, you know, kind of manipulating their browser to be able to do it.

Scott Linn 16:34

OK.

KD **Kleckler, Barry D**   16:34

I just didn't know if that was a if there was a larger fix anticipated on that.
Or not just.

SL **Scott Linn**   16:42

No, and I'm guessing, yeah, what you got to do is change the dot DMB, right?
Or MDB to change it to think that it's a text file or whatever that you're bringing in and then bring it in.
That is that one.

KD **Kleckler, Barry D**   16:55

Isolated, I was told.
Somebody used edge and then there is a setting in edge to change it to Internet Explorer mode or something and was able to download it that way by just, you know using an older version of a browser that didn't block MDB.

SL **Scott Linn**   17:07

OK.

KD **Kleckler, Barry D**   17:11

I don't.
I don't know.

SL **Scott Linn**   17:14

OK, the other option.
Like I said, I I believe this should work as well.
So this is a SharePoint site I've I have.
I don't know 4 or 500 people. If you don't have access it, so it's infinite.
So if you log into fire net and you go to SharePoint, you should have the NFTRS group. If you don't have that, please shoot me a message. I will make sure that you I get you added to this.
But in here you have also access to the blank database in here as well. If it won't allow you.
Allow you to do that.

But this should also work this way if for some reason it's not let me know.

But I think yeah, there's multiple different ways. What usually it doesn't like is that it's a data MDB and they they view it as it's, you know in it.

So when you first download, so if I wanna like you know download this data.

Through here I change the file extension from the dot. You know right here. Basically instead of doing this I would just do a dot TXT.

And you just do an all file and you save it to wherever you want and you can save it to. You can save it that way and it tricks the system and then when you open it up in your documents or wherever you've saved it, just get rid.

Of the dot TXT and you should be able to open up and have the database that way.

So that's another work around for those that are having problems getting the MDB directly from fire net. So or directly from the the SharePoint site there.

KD **Kleckler, Barry D** 18:48
OK.

Thank you.

SL **Scott Linn** 18:52
All right, let's see. So far your fan plus is still processing. OK, so we're letting it still populate.

It's really taking its time today.

Other questions, while we while we wait on this. Yeah, mark.

C **Conway, Mark - FS, MT** 19:07
Hey, Scott, this is Mark.

So the version three versus version two you you garbled out when you said what the changes are and is there a sheet that we can use to alter version 2 rather than trying to reinstall a version 3?

SL **Scott Linn** 19:16
Oh.

You don't.

You don't even need to unless they're, unless you have stations that you don't have that you want. You don't need to install version 3.

Conway, Mark - FS, MT 19:31

OK.

Scott Linn 19:32

It was really a request from Faith Anne to make sure that we had all stations.

Even and I even put like the AESA stations in there.

In there, I mean there's and and so I did some kind of changing around a station ID's and what have you.

But we shouldn't be running analysis on ASOS stations.

But I did add those in there.

There were and so, but, but none of the station metadata had been changed from from version two. It's the exact same database I just added like another, I dunno, 100 and 5200 stations.

To it.

Conway, Mark - FS, MT 20:10

Perfect. Thank you.

Scott Linn 20:11

Yep.

If there's a significant change that I'm gonna, I'll I'll broadcast it out and let everybody know.

But this was it was more of a request for for 491 coming up this fall to make sure that while they ran the data set they had, they had a a cleaned up version for it.

So that's really where the version three came from.

OK so.

I needed my for BIZI needed the 44th percentile. I go into my new database and opposite of this I'm gonna go up and look at my Y value of being 44. My X value is also 44, which is fairly convenient. So then.

I add in here and say I know that this is now less than 44.

Is my value.

And then for here I need the 51st percentile in ERC's. So I open up my ERC chart.

And I can say I need.

Again, I apologize, my brain is.

51st. All right, so I'm looking at 51st percentile.

All right, so we got a 47 on that. So I know that now less than 47.

So I'm going to really just demonstrate that these two pieces now I can utilize these new breakpoints.

So when I were to log into or get, however, I want to do my dispatch sheet. However, everybody's working that those are the absolute values that I'm looking for.

In fems.

Will be a will be similar.

Close enough to get me through the transition point.

And again, I'm just gonna work through all of these values to get my new matrix and my new absolute values for this station.

This is not the end all be all solution.

It will help us to get through the transition.

It's a real quick down and dirty method for you, just to get these absolute values, but at least get the dispatch.

Community moving forward, it should help out with any of the fire planning needs as you go forward.

To get this so questions on how I kind of walked through that process.

And do I need to do another one or I just I don't wanna bore you with, you know, walking through everything.

If you don't need it, yeah.

MM **Matthew Malesic** 22:56

Hey, Scott, it's Matt, Melissa.

Just a quick question. When you ran Firefly plus last you did not do daily extreme.

SL **Scott Linn** 22:59

Hey man.

Yeah.

MM **Matthew Malesic** 23:06

So if we were to want to use daily extremes for a transition, we would just click that check box and run that, correct?

SL **Scott Linn** 23:09

Hmm.

That is correct.

So right now you are very you are correct.

MM **Matthew Malesic** 23:16
OK.

SL **Scott Linn** 23:17
So I was using.

I use the 1300 hour reports on this, so that's correct.

MM **Matthew Malesic** 23:21
Kathy.

SL **Scott Linn** 23:24
I would have been on this one 'cause. I wanted to compare those and that's what we were comparing.

But if you want to transition over to that yes, click on the the course daily.

I'm sorry. Use daily extremes on the new one and that would also provide you.

That difference again, the 1300 in most parts of the country, the 1300 in the daily extremes.

We're fairly close and I really don't think you'd have a huge differences in your percentiles, but there may be some differences between those and and, but you can definitely do that and and you'll get your. Your outputs will again that'll. That'll meet what you need so.

MM **Matthew Malesic** 24:00
Awesome. Thanks Scott.

SL **Scott Linn** 24:01
Yep.

Thanks for bringing that up. Good point.

Other questions?

And remember because.

This analysis is not the same.

You know, this season I can't run a seasonal trend graph off of this and expect all the exact same values as I will see in fems because my analysis length period is different than what we ran in fems.

So understand that you will have some differences because of the analysis period.

Now if you want to get a much closer match, you would set these to be.

The the analysis period length will be a full seasonal time, the full year and it would be the 2005 to 2022. If you want to make those adjustments. But again.

Until you really get to that point and I wouldn't.

Unless you want to do a a full reanalysis, I would.

I would just rerun this this way for now.

Where you match the old settings and then work towards that in the future.

That's also why I would say at this point you can you can leave the daily extremes unchecked for now because that's.

You were doing in the past. You were keeping the 1300.

This is just trying to keep everything one for one that everybody's used to until you're ready to start moving over to daily Max's and and change your full analysis on.

Because you're probably gonna see some a larger differences in the percentile percentile values. If you start making all those bigger changes as a whole.

Yeah. So, OK.

Other questions on this.

Oh.

Sounds good.

Nothing else as of yet.

OK.

Yeah, Jamie.

Ellington, Jamie R 26:13

Yeah, I was just curious.

So in desktop that I'm working with the original analysis done with X.

Don't know if you have any recommendations for that fuel model.

I know the job aid talked about Y being kind of the primary and it looks like it works with Z as well.

I wasn't sure with X and the we have calibrated anything with GSI and fins.

Scott Linn 26:37

It will be.

You can utilize X and obviously the reason why that document talks about that is because of, you know, the the live fuel adjustments.

And so.

If I no, it's not going to have anything.

You can do the same process with with. If you're running X, just know that you're again your. Your percentiles may be slightly off, a little bit more because of the.

Because of the live fuel calibration.

Energy. GSI calibration hasn't been completed and there are some differences structurally behind the scenes on how that you know the old defaults and the new defaults, so you can do the same process.

I wouldn't.

I wouldn't think that.

I don't think that this would have that great of impact on the overall outputs for you.

So yeah, just just do the same process if you're using any of the fuel models.

And and you should be getting your.

Your values will be.

Should be able to match what you're looking for.

I know that when I was talking to I wanna say in Colorado, I don't remember his name.

I apologize.

They have been doing an analysis, kind of a comparison between this and they noticed there was a slight difference between the overall percentiles between the two systems or between their old database and the new database, but it was really within like one or two percent. It was really.

Close.

That they were there.

So again, there will be some small fluctuations.

But it will get you through this fall transition time that we're looking for until you can complete that larger in-depth analysis.

Re analysis.

Other questions on this wanna make sure that everybody's feeling somewhat confident? Yeah, Robert.

CR **Clark, Robert@CALFIRE** 28:40

Hi, Scott.

I had a question regarding the data download and the time frames. We've had some some units when they've pulled it over into Excel, it's converting the time I believe in your notes from last week you said it's for mountain time, but the documentation and the change log says.

SL **Scott Linn** 28:52
Mm-hmm.

CR **Clark, Robert@CALFIRE** 28:58
It is the local time. Can you give provide clarification on that?

SL **Scott Linn** 29:05
No, it's always in local station time.
Yeah. And that was just 'cause. I was looking at that station was probably in mountain time.
That's the only reason I was but, but whenever you download.
And if you're looking at fire danger or fire weather, I guess I'm wanna make sure you get this right that I get this right.

CR **Clark, Robert@CALFIRE** 29:25
Fire danger.

SL **Scott Linn** 29:26
OK.
So when you look at fire danger and were you doing a direct download or were you downloading using the get data button and bringing it directly into Excel?

CR **Clark, Robert@CALFIRE** 29:38
Using the copy data link and putting it into Excel.

SL **Scott Linn** 29:42
Perfect. This is the. This is a great one.
So this is a really excellent, really funky things. OK, this is really important to know.
So if I look at my, they wanna do the observation and forecast and I wanna do the

daily values.

This you will see there is no option to have anything else. You have to have it in local station time, right, local Standard Time and that will always pull up.

So if you're looking at California stations, you're gonna be getting Pacific Coast time.

It is in Standard Time, not Daylight Time that might be where the confusion came in.

Is that again, we are in Daylight Time and so remember that this is Standard Time. If I go to hourly.

I will have my choice between CSV and local.

Station time.

So if I do UTC.

Sorry if I do local station time and I choose my station.

You will see down here that the copy data link does not light up. OK, there is a very real reason for this.

When you bring in in the way that our time brings in the local Standard Time Excel, when you use a copy data link will.

Adjust.

Readjust again the local time and it will throw you off by the offset.

So it will convert it to local station time and then convert it back to UTC without you knowing it and so you will actually be 7678 hours off if you use local Standard Time. That is why we only have the copy data link available to you. If you use UTC.

And so that was kind of a when we can make this adjustments in the future.

If people start, you know, are really frustrated with this. But this is a really easy one for us to do, we can make this and now that copy data links available to us and I will show you what this looks like.

So when I open up Excel.

And Robert, am I getting?

Am I answering your question here on this or I just want to make sure because there's there's some real big details in this why we developed it the the way that we did 'cause it can really throw people off, OK.

CR **Clark, Robert@CALFIRE** 31:58

Nope, you're right on track.

SL **Scott Linn** 32:01

So yeah, this can really throw people off on on this.

So if I did my copy data link and I'm doing my from web.

There's a couple of options in here that you can do, and I talk about this. I think in the tech tips on how to bring this in, but there have been questions for us.

On this and precisely this question coming around of why that copy data link is not available with certain downloads and this is the reason why so.

I could show you. So what this is is so now that I'm bringing this data in, if you just click on this button it will always bring in based on that first 200 rows of data.

So it'll always bring in again this is you.

This is showing UTC. Excel automatically takes my timestamp that I have on here and adjusts UTC to this to my to what time it believes I need to be at.

If I don't do that, if I say don't detect data types, you will see and. This is really the important piece you will see.

That this is being brought in at Zulu, OK?

So now when I hit transform data.

I know that excel already if if I leave it excel already just brings us in at UTC OK.

But if I left it, excel was automatically will automatically adjust it to my local station time.

That's why so when I clicked on, let's see when I go back to here I said start hour of 0 to 2300.

You have to remember that that was UTC.

OK.

And that's what it's showing here is midnight UTC 729 OK?

Now, if I had not done it that way, you will see that it looks like.

And let me close this out.

Discard. So I just want you to look at that one and we'll do it the other way.

Please don't load.

We'll do from web.

I'm probably gonna fix it.

We'll do this the other way.

And I'm not.

And I'm just gonna on this one.

I'm gonna base it off my first two, and I'm gonna say transform.

And you will see that I'm automatically off. Now it shows 5:00 PM on 7/28.

So it read that and now Excel took that and said actually no because you are now looking at it. And I wanna know what that time is via your local station time.

So we've provided this basically saying that's why you you always look like you get the previous day's data is because we've already.

Now Excel is converted this time for you to your local station time.

Without you even knowing it.

Does that answer your question, Robert?

And all the stuff Excel does behind the scenes.

CR **Clark, Robert@CALFIRE** 34:49

Yeah it does.

What was that button that we need to change?

SL **Scott Linn** 34:54

It depends on what you want to see. OK.

CR **Clark, Robert@CALFIRE** 34:56

No, the the one that just shows the UTC.

SL **Scott Linn** 34:57

It really does. It's really.

Oh, so with that one, so I'll discard that.

O **Osborne, Kevin J -FS** 35:03

Hey. Hey, Scott.

SL **Scott Linn** 35:05

Yeah, go ahead.

O **Osborne, Kevin J -FS** 35:06

On that same one there you could just delete the select the change data type from that query and it would go back to.

SL **Scott Linn** 35:12

Mm-h.

Osborne, Kevin J -FS 35:13

You wouldn't have to reload it every time.

Scott Linn 35:13

UTC.

OK. Yeah.

Yeah, I'm just trying to do this for purposes so everybody can kind of see.

So this is that basing.

How do you wanna detect it?

Do you wanna not detect the file types or do you want it to be based on the entire data set or just based on the information?

So it depends on what you wanna see and how you wanna see it.

So if you want it to be UTC, leave it like this.

But then know that you're going to have to.

You're looking at all information now in UTC, so 1300.

If you want us to get 1300 is 1300 UTC, not 1300 local station time. If you keep it as don't detect that tight type, this 1300 is not 1300 local station time and you should be able to see that obviously in your one.

Hour fuel moistures like always do that verification.

Why would I?

You know, I shouldn't at noon or 1:00 in the afternoon.

I shouldn't be seeing 11%, you know, one hour fuel.

That's 'cause. I'm off.

You know, this is where I need to apply my 8 hours.

Off so you know this is where the 8 hours comes in.

And Kevin, I bet you can jump a lot into this one 'cause. I know you've played a lot with this button and you really need to understand how this, you know, it's really important to get this correct when we bring it in.

So because of this, if you want to work in UTC, don't click the button. If you want to work in your local station time.

That's why it brings in the data at that different time and you can do. You can adjust that.

So Kevin, you were saying what touch on do on the source and then edit settings, right?

Osborne, Kevin J -FS 36:56

Yeah. So if you had brought it in, you could over on the left hand where it says applied steps. If you delete the change type.

Scott Linn 37:03

Yeah.

Osborne, Kevin J -FS 37:06

So if you bring it in the other way, that changed type. If you deleted, that would send you back to this.

Scott Linn 37:06

Yep.
Send you back to this right?

Osborne, Kevin J -FS 37:13

To the the raw data, that's all just another way to do it. If you forget first step.

Scott Linn 37:15

Yep, OK Yep.
Yep.
So the and this is. This is really been a big piece of both whims and femmes, with the copy data link button and us directly importing the information into Excel.
This can be a huge implication of how our data is represented and where in exact times.
And it's really important to know what Excel and Power query does with your data behind the scenes.
If you're not following and keeping track of it, so just make sure when you automatically bring in this data that you know what happens and when it's importing the data sets in, why it is, and that's why we defaulted honestly to providing it in only UTC, because if.
We didn't do that.
It converts it and then it converts it again and it really throws off and it. Well, it can throw off your.

Your import data if you so we just. That's the reason why we.
We only have that or we don't have the copy data link available. If you choose local Standard Time.

CR **Clark, Robert@CALFIRE** 38:28

Nope. Understand. And the reason why you don't convert to daylight savings is the the raw stations transmits time. Don't convert, correct?

SL **Scott Linn** 38:39

Local why we don't convert to daylight savings is a complicated piece.
We're still trying to figure out what we should be one it's easiest this way.
So this is what everybody used to do in all reality in the past three years, I've heard a lot of issues with.
Having whims convert to daylight savings halfway through because it goofs up the analysis actually then so.
By your family plus.
Really has a problem, you know it.
The leads, basically the 29th of February.
It never occurs, but for us it wouldn't work that way. When we're displaying the information. And so it just adds a lot of complications. If you were to sit and try and change.
Stations based on daylight savings and daylight savings is can be changed very easily, like Arizona. It doesn't observe daylight savings, so it fluctuates between mountain and Pacific.
So what do you do with those stations and making sure that that occurs properly?
What if parts of the state switch in other parts of the state don't?
That's also another issue we have in certain parts of the state.
So we're working on getting those data standards figured out and and making sure that how do we want to apply that because it's not a simple question or it's not a simple solution to that.
It really has a huge impact on the data services we provide.

CR **Clark, Robert@CALFIRE** 40:08

Understand. Thank you.

SL **Scott Linn** 40:17

Great question. I like that one because I have gotten that one fairly recently about that data link so.

OK.

Other questions?

Or issues that been seeing. Yeah, Madeline.

SR **Scheintaub, Madeline R** 40:42

Just a follow up from last week about field sample.

How's that fix coming?

SL **Scott Linn** 40:50

Yeah. Perfect.

So field sample that was the next thing I was gonna get into. So in field sample.

We have gone through.

And user should now be able to go in and have no in VM with the add sites. What we have been finding out. Excuse me.

What we have been finding out is that.

Let's see here testing site.

When people when when news were going in and adding a new site, they were not adding in. So let me edit this site. They were not adding a negative in the longitude.

And that was creating an issue with, it would say basically give you the error that said site not savable because it didn't recognize it.

So we're working on this getting.

A default negative value.

We have some areas being in Guam really is our limiting area in American Samoa that are outside or that would have a positive longitude. But 99.9 of our sites are going to have a negative.

So we're going to default this setting to a negative.

So you if you try and add a positive, it's not going to it won't. It just defaults to negative.

That was the main issue that we had with savings of sites.

And that was so.

That was the one problem. When we have gone in.

And tried to replicate and tried to have users replicate adding or saving sub samples. We have not been able to have actually.

Once that is done, we haven't been able to replicate the users not being able to add a subsample.

The one place that that has occurred is that when people are in in maps and they go to field sample and some people are navigating this way, so they go to, I want to add.

Had a dead fuel and I want to do 1000 hour.

And they select their.

When you go here and say go to site.

It'll come up with a blank page, usually K.

And so this has been fixed.

Now where you can now add the new sample and I'm not going to 'cause I'm in the production database here, but that was where a lot of the problems were coming into is that it was not loading in that way.

So we're working on getting that bug fixed as well.

That that you'll be able to navigate to the site directly from that way so.

So I think we're getting fixed.

But Madeline, have you seen or heard or had experienced?

Where would you be willing to work through with me? If you have been or you can't add a sample value.

SR **Scheintaub, Madeline R** 43:54

I'll to talk with my folks that actually enter the data.

SL **Scott Linn** 43:54

All right.

OK, if you have it please.

I'm trying so hard to get somebody who can demonstrate it for me because all the people that we've had that I've had and I will work with you guys, whatever you need, but we're trying to get our developers so they we do a live work through to see.

That they are getting a failed input of or failed savings.

I've heard it.

I've heard it for a couple of weeks now and we just can't get anybody to replicate it

again.

And it's been a frustration on my side so.

If you have somebody who can't save a sample, please, please, please reach out to me and let me know.

And that's like my highest priority is to get that fixed.

SR **Scheintaub, Madeline R** 44:37
Oh, thanks.

SL **Scott Linn** 44:43
Just looked at her about chart.

I'm not seeing her name either so.

Other.

Other thoughts?

Any other issues happening that we need to be aware of?

Oh.

Jazz person.

AA the.

I'll give you a minute to think.

Those are all good questions.

We are working to adding.

Site IDs back to stations.

So when you hover over the site.

You will be able to have where it will say this is Ross Station, Oregon. It will have the station ID.

It will be.

A.

That station ID is not representative of any there's there's no systematic approach to that.

So if it was an old Ross station.

Add a whimsical ID. It could be the old whims ID if it is a new aesaw station.

So say this Watertown Municipal Airport, ASOS, it will have a station ID.

That was.

It was now basically the new fems ID.

So the fems ID and that station ID has no linkage to anything.

It doesn't mean that it's like produced from station County or anything like that.

It is just a randomly generated station ID so please understand.

And that as we go forward, station ID is just station ID.

It has no other use in any other system except bems.

But we will get it back into here, so it's available here when you click on the station metadata, it will be available in the station metadata. It will be available in the weather and fire danger downloads, both in CSV and in the FW.

Nope, we're not having enough in the CSV.

And so.

So it is coming back.

You will be able to station search. You'll get a station search by that station ID as well in any of the maps or tables or wherever you would like to. We will also list it inside the station tables sheet as well.

So guess Mr. Osborne.

Yes, it's going to break your stuff.

Osborne, Kevin J -FS 47:03

I yes, that that was.

Scott Linn 47:08

I knew it.

Osborne, Kevin J -FS 47:11

I want.

I want to support this effort because I think it's important because I think station ID that isn't the name of the station, that camp like a non duplicated station ID for database management is critical for this. So I applaud you for doing this.

Scott Linn 47:25

Yes, correct.

Yes, I've heard you loud and clear.

Yep. And now you hate me for it as well.

Osborne, Kevin J -FS 47:31

It will.

It will break everyone's queries in Excel.
So everyone needs to hear that so.

SL **Scott Linn** 47:34
Yes, there will. Yes, you are correct.

O **Osborne, Kevin J -FS** 47:38
Once, once this comes out and is part of the CSV download, anyone who has an Excel data query that's using it will have to do some cleanup in their power query because you'll have different headers.

SL **Scott Linn** 47:39
That's.

O **Osborne, Kevin J -FS** 47:52
It shouldn't be a huge lift once we know what's happening, but for people who don't know that it's happening.
All their spreadsheets will stop working one day and this this will be why so.
I fully support it.

SL **Scott Linn** 48:08
You're 100% correct.

O **Osborne, Kevin J -FS** 48:09
I think it's a good idea, a necessary thing.
I'm glad we're doing it.
But just for everyone on this call, all your power queries will need editing when it happens.

SL **Scott Linn** 48:20
Yep, and that will be implemented in the.
I believe we're gonna try and get the next release out early September.
Mark, to answer your question, so I'll let you know when we get that finalized date.
It will be, yeah, go ahead.

Osborne, Kevin J -FS 48:34

Hey.

Scott, just a thought.

That's really, really close to transition day, right?

Verdegan, Travis (DNR) 48:44

Mm-hmm.

Scott Linn 48:45

Yep, you want us to hold off on it then?

Osborne, Kevin J -FS 48:47

I would.

Scott Linn 48:47

Michael.

Osborne, Kevin J -FS 48:47

We can we until like December, November, December.

Scott Linn 48:50

November we can hold off on it as long as you guys would like.

I just heard enough feedback.

We tried something different, 'cause. We didn't want to be so hooked into whims,

ID's. But the unique station ID.

Osborne, Kevin J -FS 48:58

Yeah.

Scott Linn 49:04

We've heard it loud and clear and I thought it was in a very important piece that you guys would rather just get it done with and over with to bring it back in, but I can hold off and push off until whenever we would like so.

Osborne, Kevin J -FS 49:15

Yeah, I don't know, man.

Like if you could do it in the next week, I'd say we'd do it now.

But mid-september is maybe too close.

Scott Linn 49:25

Yep, I can't do it. Yep.

Osborne, Kevin J -FS 49:26

That's my take, but I'm just one, one voice of many, right? So.

Scott Linn 49:30

Yep. Yep. Mr. Hepworth.

Hepworth, Allan - FS, GA 49:32

Yeah, Scott, is there a way?

I agree with Kevin wholeheartedly.

Is there a way that once you know what that query URL looks like that you could,

knowing that it's not gonna work until December?

Could you get that sent out?

Out because it'd be nice to be prepped and ready to, you know, have everything,

have everything at least built out.

I don't know.

Is that Kevin?

Could Kevin could tell me if I'm?

Scott Linn 50:01

You know what?

We may be able to do that, but.

It's.

Because we'll have it developed in the dev environment ahead of time.

And it's also gonna affect, you know the the readonly API as well.

So anybody who's using the API, it's it's all going to, you know, I get the main pieces

is the download. We could do that.

But you'd have to remember to take off.

The the the Dash dev in your thing.

I think it honestly would be more work that way than.

But let me see.

Let me think about it and we might be able to make a fix so.

Osborne, Kevin J -FS 50:43

Yeah. I mean, Scott, we had that when we had like the staging releases in June where I had stuff built to function in staging. And then when that staging environment went live, it was a really fast transition to have spreadsheets.

Scott Linn 50:52

Yep.

Osborne, Kevin J -FS 50:57

That worked in a new production because you just changed your links.

So it it might be like everything's just so compressed right now that I just, I don't know, it's it's this is this is a really tough nut. I I think ultimately you're right.

Scott Linn 51:04

So that might be.

A.

Oh, I know.

Osborne, Kevin J -FS 51:12

This is a huge thing that.

From the field we wanted and we need and it's super important to have that ID available so.

I think doing it in September would be tough. Just 'cause everyone's tools will break right when Wims goes away, but everyone's tools are gonna break at some point, so I don't know.

I just see it as almost like it is what it is.

Scott Linn 51:36

I know.

Yeah. Yep.

Yeah. Let me see what I can do.

And there's also going to be a another change with that.

And you won't see it.

It won't break any of your existing connections, but when you move forward and you get a new copy data link button, it's actually gonna rego to the READONLY database.

So you'll actually have a a different URL tagged in there as well.

But again, it's not going to change.

So if you have established queries or have established.

Links. That's not going to break.

It's just going to if you get a new one, it will change and go to the read only database and then we're doing that so that you can pull more data.

Osborne, Kevin J -FS 52:30
That.

How much more data?

Scott Linn 52:38
Right now we're looking at that.

You'd be able to pull.

I believe up to 10 stations at one time with the full period of climatology record.

Osborne, Kevin J -FS 52:49
Wow. And would there be a limit on a year's worth of data for number of stations?

Scott Linn 52:50
No.

Right now I think it's like 50.

Osborne, Kevin J -FS 52:59
OK, so up to 50.

Scott Linn 53:03
That's where we've tested it and we kind of start hitting a little bit of a slowing point

at that time.
So, but that's yet to come so.

Osborne, Kevin J -FS 53:10
Yeah.

Scott Linn 53:12
We haven't removed the yeah.

Osborne, Kevin J -FS 53:13
That will resimplify my chart spreadsheet when that happens, so that's awesome.

Scott Linn 53:17
Yeah, exactly. So but but that's we're not there just yet.
You know, we still have these rules in place and limited, but we are really diving into that one to see how much we can open this up without having.

Osborne, Kevin J -FS 53:23
Yeah.

Scott Linn 53:32
Without having what whims used to do, which is just barf and not respond.

Osborne, Kevin J -FS 53:37
Yeah. Familiar.

Scott Linn 53:39
So.

Osborne, Kevin J -FS 53:41
I appreciate it, Scott.

Scott Linn 53:42
So yes, changes coming. I I I let's I will. I will have that discussion with our team to see what we can do for the URL changes cause yeah, I hear you loud and clear on the

timing. It's just too much all at once so.

Yeah.

OK.

And maybe I can get a quick fix in here for that.

Let me.

I'll just.

I'll talk with them.

I'll let you guys know next week.

We'll we'll continue this conversation.

I'll have a better idea.

Next week, Tuesday, to know when we can do this.

So.

Mark Williams 54:22

Hey, Scott, you mentioned last week that you might be modifying Kevin's spreadsheet to bring in the daily listings information in the bottom. Did you?

Scott Linn 54:33

Yeah. Yeah, I did.

Mark Williams 54:34

Did you get that completed or do you plan to or distribute it?

Scott Linn 54:36

I did.

Yeah.

I've gotten about 90% of it completed, but I had some people do some testing on it and I need to.

I still need to get a couple more things.

Finalized on it.

And that's because I wanted to make sure I can share it with everyone and not be.

Not be completely broken.

So Kevin, now that you're on, I'll, I'll show you what I did here, but.

So and this is not.

This doesn't have, unfortunately. The California specific information either.

So what I've done is you have tabs along the bottom and it tells you how many stations you can add into each area.

So you only have one station.

Utilize this if you have.

Two stations you utilize this one, three stations, 4 stations, whatever.

So what this one does is it brings in.

These stations, and so last time I ran this was.

Couple of days ago.

And so it will bring in and query out the climatology for all of these stations at one time.

So if I want to update this, let's see here.

So all's I need to do is go to a data.

And I'm gonna scoot down so you can actually watch.

It won't change.

Well, somebody got a A SIG that they wanna give me that has two or three stations.

We'll just make the changes happen.

Is this? It's got both my second and.

11.

Osborne, Kevin J -FS 56:23
Stand by, Scott.

I can get you on.

Scott Linn 56:25
Yeah. Thanks.

Hello.

Scheintaub, Madeline R 56:40
You just want a couple station I DS that you can put in.

Scott Linn 56:42
Yeah, yeah. Just give me a couple station. I DS. Yep.

Scheintaub, Madeline R 56:44
42O9O1.

SL **Scott Linn** 56:50

Yep.

SR **Scheintaub, Madeline R** 56:51

420908.

SL **Scott Linn** 56:54

42098.

SR **Scheintaub, Madeline R** 56:55

09/08 those should be real signings, yeah.

SL **Scott Linn** 56:58

Like that.

Perfect. Alright. So we'll do this.

We'll just do the refresh now with this.

Remember that this is going to run.

It's gonna run all of these queries all at once, so if I'm not using the other ones it will.

It will make that happen, but so it just ran out.

It grabbed today's information and it's now working and updating the climatology

for this as well and you can see that those adjusted.

I didn't some of the color information that the Nice work.

That Kevin did.

I kind of broke it, so it's not quite as nicely color-coded, but the data behind the

scenes is there.

And it's bringing in all of your updated climatology for those two stations using the

daily Max and it produces.

Your observed and forecast for the information for your time frame.

So here's today's forecast information I had. I added in 10 hours and 10 hour

percentiles because that was a request.

And then.

And I kinda tried to simplify this down to being user inputs this so you put in your

name you adjust your.

The model that you want, you can adjust your percentiles. This is the same thing

Kevin had set up.

And then again, if users want to adjust their dispatch units and breakpoints, they can do that based on, but they have to do their analysis to make those viable.

So, but at least brings in your percentiles. You would get accurate percentiles.

For these two stations, based on the number of inputs or based on the fems inputs for the absolute values.

So that's all this sheet is doing.

It is not intended to be the end all be all of transition.

It's just one tool that I wanted to kind of maybe help out with the transition.

And looking for feedback because I know as I share this, you're gonna have to establish the links. If you have multiple like frdras with three stations.

10s.

You're not gonna be able to copy this and paste it and make a new like. It doesn't work that way, like you're gonna have to have multiples of these sheets if you want to be able to do that.

It's not as user-friendly as what Kevin had because of the climatological data listings in the bottom.

So you can't just.

I can't just like do a right click, copy and paste and and expect my. If I had two fdra with three stations, I can't just double it and make it work.

It doesn't work like that behind the scenes.

So I'm gonna have to lock this thing down, so I apologize.

So and you can't just be like, well, I'm gonna use FDR. I'll just use this one and then just delete this and not use it.

It won't work.

It'll it'll break and it won't work for you, so.

Those are some of the, yeah.

Osborne, Kevin J -FS 59:48

So Scott.

Basically you have to have one fdra per spreadsheet and pick which tab is the appropriate tab for that fdra.

Scott Linn 1:00:04

Possibly. Or you can if you only have. If you have like.

Osborne, Kevin J -FS 1:00:07

Well, I mean, if you just happen to have A1A2 a three and a four, you could do it. But.

Scott Linn 1:00:09

RA.

Yeah, if you have like a 2A3A4 and A5, or if you have like a 5 station A4 station you use like that, you can just delete the other two honestly and and not have to worry about them like we could you could.

Osborne, Kevin J -FS 1:00:21

Got it. OK.

Scott Linn 1:00:21

Do that.

But yeah, you'd have to.

But you can't just adjust the way that you had it set up in the background, because and I can show, I mean Kevin, you'll see it's I didn't do anything.

Honestly, this isn't groundbreaking stuff here.

I just added.

A lot of queries on the bottom here bud.

Osborne, Kevin J -FS 1:00:38

Yeah, yeah.

Scott Linn 1:00:40

And.

Osborne, Kevin J -FS 1:00:41

Hey dude.

Scott Linn 1:00:41

Yeah, just just recopy these.

I brought them all in running those.

I tried really hard to see if I could beat the system.

Unfortunately, even I couldn't beat my own system to get multiple stations.

I I was like, come on. You know, they got to let me, but they couldn't let me.

Osborne, Kevin J -FS 1:00:53

Gotcha.

Scott Linn 1:00:56

So I just added some queries in here and each one of these is associated with all the queries on the bottom, so it's really it is.

It's it doesn't have the full functionality that you would, you know, expect.

So if yeah if you.

If you have, if you have a need to beyond these types of lists, you're gonna have to have multiples of these.

Excel sheets open and rename them to whatever you want to match your unit.

So again, it's it's not the ultimate tool, but yeah, go ahead.

Osborne, Kevin J -FS 1:01:23

And and for that.

Yeah. And then for that automatic one, it only goes up to five stations.

Scott Linn 1:01:32

Yeah. Correct, exactly.

I mean, we can build more.

I just kind of limited it because it was like I'm just becoming. I could build this until I have 20 stations and and it's the same query.

Osborne, Kevin J -FS 1:01:36

Oh my God.

I.

Yeah.

Scott Linn 1:01:42

I mean, it's not hard to build and I can talk somebody through how to do it or I'm sure anybody else can build it as well. You know, all's I did was rebuild what you built.

O **Osborne, Kevin J -FS** 1:01:43

Yeah, yeah.

SL **Scott Linn** 1:01:50

You know, that's it.
It didn't.
I didn't make anything fancy.
You did all the legwork on this thing, so.
But I just trying to at least get something started so that maybe somebody else who's got.
More more effort and and more more time to focus on it. If they want to build more, they can easily do that so.

O **Osborne, Kevin J -FS** 1:02:10

No, I think it's super cool. And will you, Scott, are we gonna make the version that has the user input daily listing available too? Just for folks who don't wanna mess with queries to make 'cause if you know have six or seven stations per say or anything like.

SL **Scott Linn** 1:02:25

Yes. Yeah, your version, correct.

O **Osborne, Kevin J -FS** 1:02:26

That or OK.

SL **Scott Linn** 1:02:28

I still wanna keep that one out there and available and that's how I wanna.
I know, but I just need to get before I make this available.
I needed to get the the help document really written up well and I wanna make sure it's really clear what we're providing people on the FEM site.
Because I know once it becomes available on the FEM site, like, everybody's gonna take it and be like, this is the ultimate document and it's not like and I wanna make sure I very clearly write that in there. Like this is just one tool for people to.

Osborne, Kevin J -FS 1:02:49
Yep.

Scott Linn 1:02:54
Use, but it's not.
Something that's supposed to answer all of your questions.
It's just hopefully something that maybe you can think of. And like Bethan, has so many amazing documents out there as well.
I know everybody like there's just really people have a wealth of information and I wish we could just share them all because there's so much good stuff out there that people have made. So yeah.
Yes, I am planning on utilizing yours as well in in in both of those both the California specific one and the national one.
And letting people know that they need to be able, they need.
Need to go in and pull their climatology through firefamy plus with those with those so.

Osborne, Kevin J -FS 1:03:29
Yeah.
Yeah, this was never intended to be a like a do your analysis with a document.

Scott Linn 1:03:32
Yep.

Osborne, Kevin J -FS 1:03:36
This is like a hey, once you've done your analysis, you can get a staffing level at a dispatch level.

Scott Linn 1:03:43
Mm-hmm. Correct.
Yep. And that's the other piece where I wanna try and I'm trying to figure out how to like. OK. I wanna take this like if I take this out of here and just kinda break it, people are gonna be unhappy that it like shows null values and yeah.

Osborne, Kevin J -FS 1:03:45
So.

Scott Linn 1:03:55
Just a couple things. I'm just trying to work on to answer questions before I get this finalized out and and sent out and shared with the rest of the group so.

Osborne, Kevin J -FS 1:04:04
Awesome looks awesome.

Scott Linn 1:04:11
All right, we're over time.
I see.
I apologize for keeping everybody late, so.

Osborne, Kevin J -FS 1:04:32
Thank you, Scott. I appreciate that.
It's good stuff.

Hepworth, Allan - FS, GA 1:04:37
Yep. Thanks dude.

⦿ **Scott Linn** stopped transcription