

**Spring 2022 FPAW Plenary Meeting Chat Log**  
**Session 3**  
**Wednesday, April 20, 2022, 1300-1700E**

[4/20 1:02 PM] Rhonda Moore (Guest)  
Need to start recording again Matt.

[4/20 1:03 PM] Bob Avjian  
William Leber (Guest) Hey Bill! - Hi!

[4/20 1:08 PM] Shelton-Mur, Karen (FAA)  
@Andy, that is what happened to me and I had to log back in. When I logged back in, my microphone was open. I muted my mic but then didn't hear anything.

[4/20 1:09 PM] Shelton-Mur, Karen (FAA)  
This is the problem of going to in-person meetings...hahaha

[4/20 1:09 PM] McClure, Andrew (FAA)  
My thoughts exactly, Karen!

[4/20 1:10 PM] Rhonda Moore (Guest)  
Need to record

[4/20 1:10 PM] McClure, Andrew (FAA)  
...but the restaurants are better in DC than in Kenai...

[4/20 1:11 PM] McClure, Andrew (FAA)  
Thanks for fixing the echo!!

[4/20 1:16 PM] Bob Avjian  
Rhonda Moore (Guest) Hi Rhonda - everything ok? I see your hand up...

[4/20 1:16 PM] Rhonda Moore (Guest)  
I don't think that Matt is recording the meeting

[4/20 1:17 PM] Dr. Brian Pettegrew  
Rhonda Moore (Guest), I did see a "recording in progress" disclaimer

[4/20 1:18 PM] Bob Avjian  
Rhonda Moore (Guest)Ok...I see the red recording light on...

[4/20 1:28 PM] Ralph (Guest)  
Matt are you going to provide copies of all the slides

[4/20 1:28 PM] Dr. Brian Pettegrew  
Ralph (Guest), these sessions are recorded and will be available after the meeting at <https://fpaw.aero>

[4/20 1:31 PM] Polderman, Nathan  
jim evans open mic is causing feedback

[4/20 1:32 PM] Bob Avjian  
its ok Nathan - Jim muted himself

[4/20 1:33 PM] Matthias Steiner (NCAR) (Guest)  
The presentations will be posted on the FPAW website (fpaw.aero) after the meeting. We will send email to FPAW members after the meeting to let them know when they are posted. If you are not a member but would like stay informed, please sign up on the FPAW website and become a member. Thank you!

[4/20 2:45 PM] Suffern Paul  
Mike, will the NWP/CSS-wx input TPoG take into account lightning information in some form that goes to the composite ERAM/STARS?

[4/20 2:46 PM] Eick Donald  
Current NTSB recommendation for lightning data on the glass

[4/20 2:48 PM] Eric Avila  
Not currently to the lightning question. TPoG isn't changing anything on STARS and is just changing the radar source.

[4/20 2:48 PM] Apoorva Bajaj  
Mike, how well does the TPoG product work in radar-sparse parts of the country? Is lack of radar an issue at any terminals?

[4/20 2:57 PM] Steve Arbogast  
Yes

[4/20 2:59 PM] Eric Avila  
Mike can talk to this, but one of the sites we chose during his demo was Eugene, OR as it was targeted as one of the worst sited NEXRAD sites for the terminal facility. TPoG won't do anything to address some of the issues out west where radar beams are blocked by terrain, etc.

[4/20 3:05 PM] McGettigan, Starr (FAA)  
Thanks for the shout-out Joshua. The FAA Aviation Weather Demonstration & Evaluation (AWDE) team really enjoys helping AWC advance their tools. I think our AWC/FAATC teaming is a great example of effective inter-agency partnerships.

[4/20 3:05 PM] Johnston, Kevin L (FAA)

To Bill's point about understanding requirements and the need to bring research and ops folks together: I've always felt MIT/LL (and Mitre) does it right with spending much time with ops folks in FAA facilities (as well as with Industry) to understand user needs and to develop capabilities they introduce to users to receive continuous feedback. CIWS/COSPA/RAPT good examples. of what was developed with this approach. When I was in NWS, I was jealous that our Mets could not/would not make that amount of time available to FAA users to understand their needs. But somethings still not right. Why in Matt's brief do we admit we've not done so well with AWI and in Bill's brief we talk of a great wind translation tool that has no home.

[4/20 3:07 PM] Cade, Trey

When will we get a user-friendly graphical version of NBM like we have for LAMP?

[4/20 3:07 PM] Joshua Scheck (NWS) (Guest)

McGettigan, Starr (FAA) Agreed very much! We accomplish more with less risk!

[4/20 3:11 PM] Dr. Brian Pettegrew

Cade, Trey, I believe Joshua Scheck (NWS) (Guest) might have some insight into this?

[4/20 3:12 PM] Joshua Scheck (NWS) (Guest)

@Trey: It's internal to NWS, but it's frequently guiding the official gridded forecast of NWS:

<https://graphical.mdl.nws.noaa.gov/>

[4/20 3:13 PM] Polderman, Nathan

(Cade, Trey When will we get a user-friendly graphical version of NBM like we have for LAMP?)

This has some potential: <https://hwp->

[viz.gsd.esrl.noaa.gov/wave1d/?col=2&hgt=1&obs=true&fontsize=1&location=KORD&selectedgroup=Default&darkmode=auto&graph=fa-chart-bar&probfield=Tmax&proboperator=%3E%3D&probvalue=40&colorfriendly=false&whiskers=false&boxes=true&median=false&det=true&tz=local](https://hwp-viz.gsd.esrl.noaa.gov/wave1d/?col=2&hgt=1&obs=true&fontsize=1&location=KORD&selectedgroup=Default&darkmode=auto&graph=fa-chart-bar&probfield=Tmax&proboperator=%3E%3D&probvalue=40&colorfriendly=false&whiskers=false&boxes=true&median=false&det=true&tz=local)

[4/20 3:17 PM] Cade, Trey

(Joshua Scheck (NWS) (Guest)@Trey: It's internal to NWS, but it's frequently guiding the official gridded forecast of NWS: <https://graphical.mdl.nws.noaa.gov/>)

However the text NBM product has aviation specific parameters that do not appear in the NDFD, it would be great to have those available beyond the hard to use text form.

[4/20 3:18 PM] Cade, Trey

(Polderman, Nathan This has some potential: <https://hwp->

[viz.gsd.esrl.noaa.gov/wave1d/?col=2&hgt=1&obs=true&fontsize=1&location=KORD&selectedgroup=Default&darkmode=auto&graph=fa-chart-bar&probfield=Tmax&proboperator=%3E%3D&probvalue=40&colorfriendly=false&whiskers=false&boxes=true&median=false&det=true&tz=local](https://hwp-viz.gsd.esrl.noaa.gov/wave1d/?col=2&hgt=1&obs=true&fontsize=1&location=KORD&selectedgroup=Default&darkmode=auto&graph=fa-chart-bar&probfield=Tmax&proboperator=%3E%3D&probvalue=40&colorfriendly=false&whiskers=false&boxes=true&median=false&det=true&tz=local))

Thanks!

[4/20 3:30 PM] gordon brooks (Guest)  
Cade, Trey Hello Trey!

[4/20 3:31 PM] Cade, Trey  
gordon brooks (Guest) Cade, Trey Hello Trey!  
hi!

[4/20 3:38 PM] gordon brooks (Guest)  
Ng, Hokkwan (ARC-AFT) Hello Hok, I was curious about the contrails discussion yesterday (and maybe even missed a slide). I neglected to write down your email, are you at NASA? I'm at the 557 WW, 16th Weather Squadron.

[4/20 3:41 PM] Ng, Hokkwan (ARC-AFT)  
Hi Gordon, I work at the Aviation Systems Division at NASA Ames. Please let know your email address. I could send you some of our past research papers, and we could continue our discussion.

[4/20 3:48 PM] Ng, Hokkwan (ARC-AFT)  
Btw, are there any new methodologies/technologies that can predict how long contrails can persist and the size of area.

[4/20 3:51 PM] Joshua Scheck (NWS) (Guest)  
Bauman, William (FAA) Just so it's not EPIC!

[4/20 3:52 PM] gordon brooks (Guest)  
Ng, Hokkwan (ARC-AFT) [gordon.brooks@us.af.mil](mailto:gordon.brooks@us.af.mil)

[4/20 3:53 PM] gordon brooks (Guest)  
Ng, Hokkwan (ARC-AFT) We are under the feeling that the formation and persistence will require different approaches/algorithms. We have the former... not the latter....

[4/20 3:56 PM] Smith, Philip  
I have to leave at 4. Jim Evans can probably handle any questions regarding the reservoir concept but feel free to email [smith.131@osu.edu](mailto:smith.131@osu.edu). This session overall has been excellent!

[4/20 3:58 PM] Matthias Steiner (NCAR) (Guest)  
Smith, Philip Sounds good! It was good seeing you from afar. :-)

[4/20 4:22 PM] Rhonda Moore (Guest)  
turn off mic

[4/20 4:29 PM] Michael Splitt  
What forecast is considered a certainty? That said, what would be a skill level that is "close enough to" vs. not good enough to act as an accurate forecast.

[4/20 4:30 PM] Michael Splitt  
What current forecast is 99% accurate?

[4/20 4:31 PM] Polderman, Nathan  
Accuracy is inversely proportional to the level of precision required

[4/20 4:32 PM] Michael Splitt  
Agreed — context matters

[4/20 4:32 PM] Michael Splitt  
But the HRRR is useful at 4 hours for context before we casually throw it out.

[4/20 4:35 PM] John Walker - NOAA UxS R&D (Guest)  
Simple accuracy calculation .. based on forecast for a point. If a 10% forecast for rain is given 10 times at any random point, and if it rains 1 out of 10 times at that location, that's a perfect forecast all 10 times.

[4/20 4:35 PM] Michael Splitt  
That's a reliable answer!

[4/20 4:51 PM] gordon brooks (Guest)  
Support statements.? For ...? Or maybe Statements defining major aspects of an issue... to include user requirements, groups impacted...

[4/20 4:56 PM] Cade, Trey  
Would you consider an at-large member? There are probably others like me who do not fit into your defined groups.

[4/20 4:57 PM] Polderman, Nathan  
I have to run to another meeting but am very supportive of the FPAW Steering Committee concept. Thanks much to Matthias and Matt for all the hard work keeping FPAW going! I hope to be able to volunteer. Great meeting!

[4/20 4:57 PM] Cade, Trey  
More detail - I'm at a university but not a researcher, I'm a meteorologist who runs an aviation degree program and teaches aviation meteorology.

[4/20 5:00 PM] gordon brooks (Guest)  
I'd say you're easily in the AV WX R&E Community...

[4/20 5:00 PM] Claudia V McKnight  
I'm sure you'll fit somewhere Trey!

[4/20 5:05 PM] Ng, Hokkwan (ARC-AFT)  
Thank you!

[4/20 5:05 PM] John Walker - NOAA UxS R&D (Guest)  
Great meeting folks... Thank you!

[4/20 5:05 PM] Filipe Silva  
Great meeting - well done. Thank you.

[4/20 5:05 PM] Judith Reif (Guest)  
Great job! Thank you

[4/20 5:05 PM] Rother, Gordon (FAA)  
nice work all

[4/20 5:05 PM] gordon brooks (Guest)  
Thanks FPAWers!

[4/20 5:05 PM] Rhonda Moore (Guest)  
We have 309 members