Fw: IH Data fitting - Exponential vs LOESS

Bob Benson to: Thomas Bateson 08/02/2012 11:54 AM

From: Bob Benson/R8/USEPA/US
To: Thomas Bateson/DC/USEPA/US
Cc: brattin@srcinc.com, David Berry/R8/USEPA/US@EPA

Tom,
Here is another file that compares fitting LOESS v Exponential. Distribute as need to the rest of the NCEA Team.

Region 8 agrees with the recommendation to use the exponential fit to establish the JEM. Do you concur?

----- Forwarded by Bob Benson/R8/USEPA/US on 08/02/2012 11:52 AM -----

From: "Brattin, Bill" <brattin@srcinc.com>
To: Bob Benson/R8/USEPA/US@EPA,
Cc: Tim Hilbert <HILBERTJ@UCMAIL.UC.EDU>, David Berry/R8/USEPA/US@EPA
Date: 08/02/2012 07:43 AM
Subject: IH Data fitting - Exponential vs LOESS

Bob

UC has completed fitting the IH data using LOESS.
The attached files present graphs and give goodness of fit summary statistics.
In brief, based on statistics alone
    LOESS is best for track
    Exponential is best for trionizing and unload
    There is little difference for background

UC has indicated they think it is probably best to stick with the exponential fit for all, and I am inclined to agree.

Let's sent this to Tom and see what he thinks.

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