

# Gotchas of Correlation Plots

Feedback loops which use SLCNET do not support correlation plots.

This includes FB31 for FFTB. To find a list of feedback loops with SLCNET communications, go to the kistest help, on the CALB/DIAG panel from the fast feedback system panel.

Regarding the FFTB FB31 energy feedback loop:

It does not support correlation plots. The reason is a conflict with the communications software. This loop was originally intended to have

a kisnet link from CB00 to FB31, but the link was flaky. So we put in

an alternate database to use SLCNET communications. We discovered a few years

ago that the feedback SLCNET communications software, as written, cannot co-exist with

correlation plots. There was a cater, and it was solved. I remember discussing this

at the time, probably with Mike Stanek; I think we had a choice between:

1. Use the kisnet link, and fix it if it is flaky.
2. Upgrade the SLCNET communications software for feedback to co-exist with correlation plots.
3. Avoid using correlation plots with this feedback loop.

I think we chose option 3. I put a comment into the kistest help that crr fails for this loop when SLCNET is enabled.

- Linda

>  
> -----Original Message-----  
> From: remedy@remedyp.slac.stanford.edu  
> [remedy@remedyp.slac.stanford.edu](mailto:remedy@remedyp.slac.stanford.edu)  
> Sent: Sun 7/31/2005 7:30 AM  
> To: Underwood, Kenneth K.; Lahey, Terri E.; Spencer, Nancy;  
> Chestnut, Ronald P.; Hendrickson, Linda  
> Subject: New Software Artemis #00075851  
>  
> **\*\*Please do not respond directly to this e-mail.\*\***Artemis -  
> Software Problem Report Information Artemis ID  
> 00075851 Urgency Scheduled Status New  
> Entered By gmlanov  
> Milanovich, Geoffrey Date Entered 07/31/05 07:29:32  
> Modified By  
> Date Modified Assigned to  
> Closed by  
> Date Closed Fix hours  
> Reproducible? Yes Beam Lost  
> Display corr. plot Error Message: message  
> failure, loop fftbengy Facility SCP Terminal  
> Type  
> Problem Description:  
> Can't put FFTB energy feedback loop in a correlation plot.  
> Wont' sample the data, can't use setpoint as step variable.  
> Gives the above error message, along with 'can't step  
> variable,' and other stuff.  
> Click here to log in to Artemis.  
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