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**From:** Eric Danner - NOAA Federal <eric.danner@noaa.gov>  
**Sent:** Wednesday, March 27, 2019 2:11 PM  
**To:** Evan Sawyer - NOAA Affiliate; Cathy Marcinkevage - NOAA Federal  
**Subject:** Fwd: ROC\_AR\_Releasable (Physical Drivers of WRLCM)  
**Attachments:** Physical\_Driver\_Calsim\_ROC\_LTO\_Plots.pdf; Master\_Phy\_Driver\_COS.csv;  
Master\_Phy\_Driver\_PA.csv

Evan and Cathy,

Here are summaries of the ROC physical drivers. Let me know if you have any questions.

Eric

----- Forwarded message -----

**From:** Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)>  
**Date:** Wed, Mar 27, 2019 at 2:08 PM  
**Subject:** ROC\_AR\_Releasable (Physical Drivers of WRLCM)  
**To:** Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)>

Hi Eric,

Attached are summary plots of the Calsim II and HEC-5Q outputs considered to be physical drivers of the winter-run life cycle model. These are Keswick discharge temperature, Wilkins flow, Verona flow, Freeport flow, and CVP and SWP Delta exports. All data were calculated at monthly values.

Each plot shows the distribution of the difference between the PA and COS scenarios (i.e. PA minus COS) as standard boxplots. For each variable, the data is summarized by month and water year type.

The first page of the document shows all variables and subsequent pages show each variable in more detail.

Also attached are .csv files with all the data used to generate the plots, one file for each scenario.

Please let me know if there are any questions,  
Miles

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