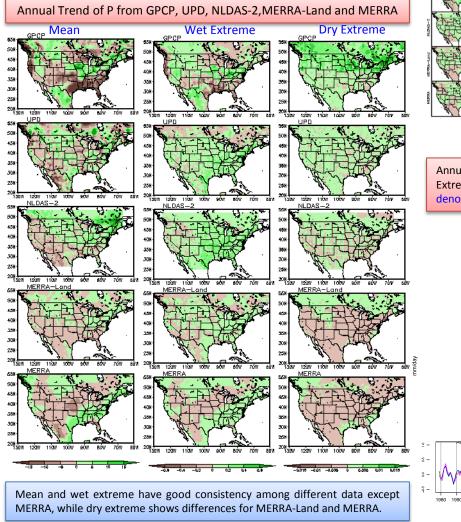
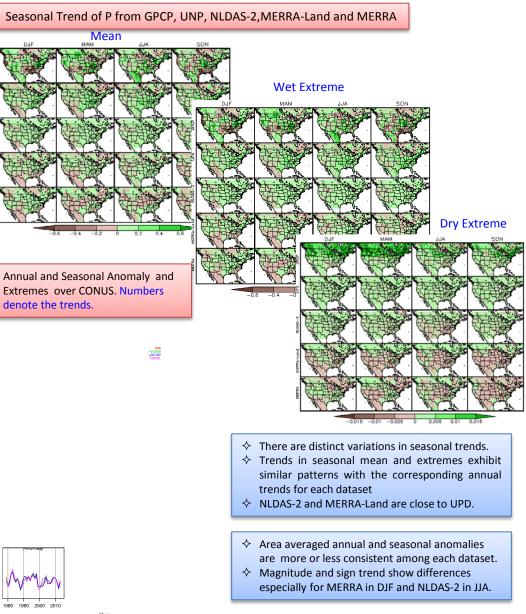


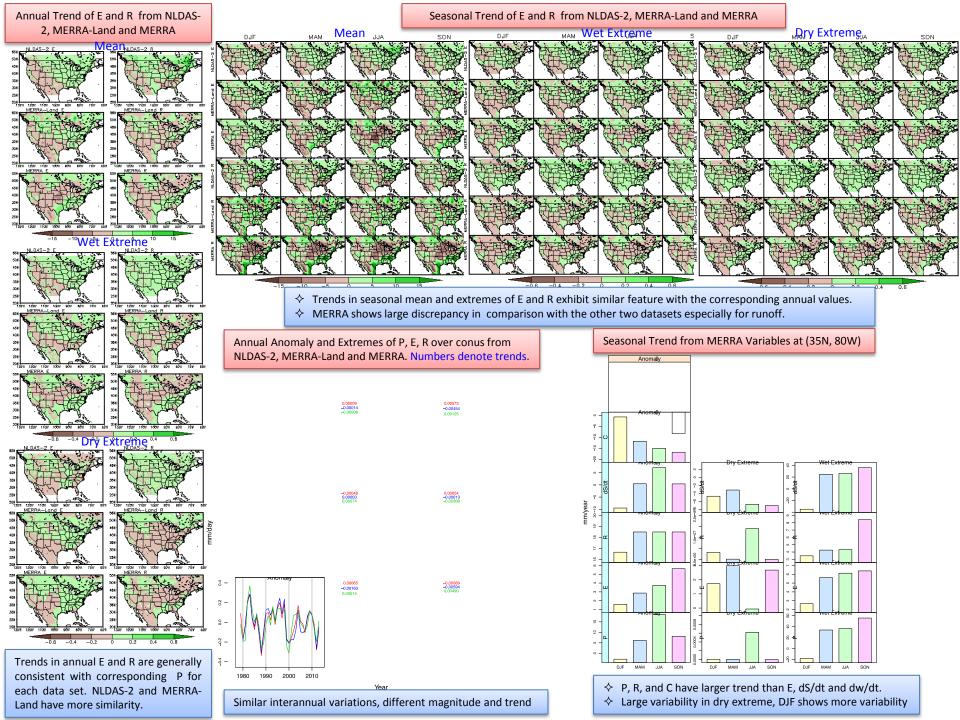
Developing and Testing Water Cycle Intensification Indicator (WCI) over the U.S. Paul Houser (PI), Xia Feng (Co-I) George Mason University

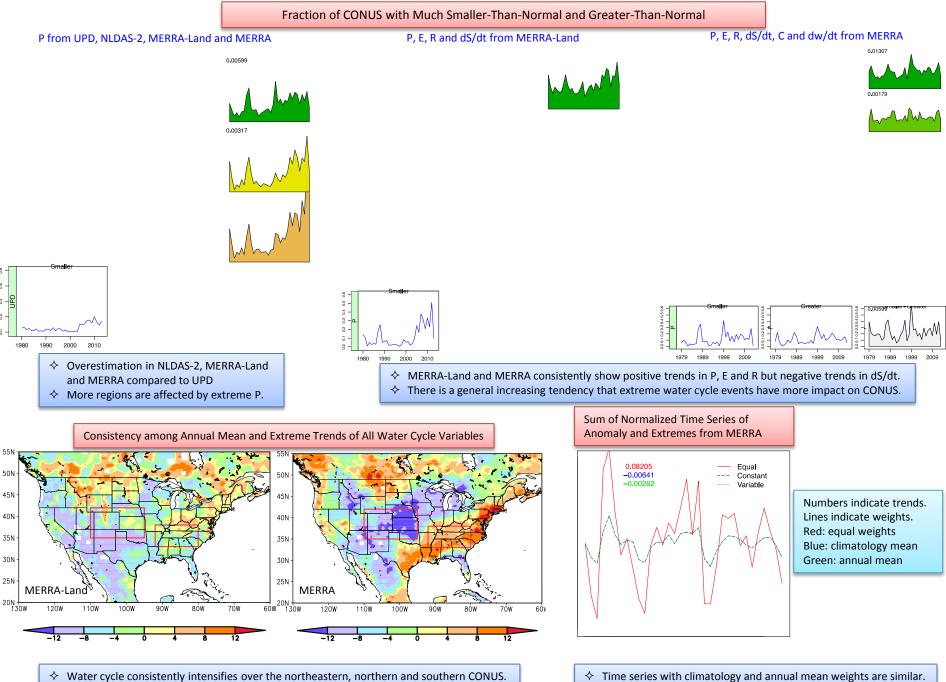
Objective: Develop and test spatially- and temporally-scalable WCI to quantify the current and future change in the strength of the water cycle across the U.S.

Datasets: GPCP precipitation data, CPC Unified precipitation data (UPD), MERRA, NLDAS-2 and MERRA-Land estimates









♦ Discrepancy mostly occurs in central U.S. and southern Texas.

9.0 5 - E 8.

55N

50N

45N

40N

35N

30N

25N

- ♦ Equal weight produces the largest variations.