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Please also include the following dataset and literature citations:

### **Dataset citation**

For GPCP monthly mean precipitation rates, v2.3:

Adler, Robert; Wang, Jian-Jian; Sapiano, Matthew; Huffman, George; Chiu, Long; Xie, Ping Ping; Ferraro, Ralph; Schneider, Udo; Becker, Andreas; Bolvin, David; Nelkin, Eric; Gu, Guojun; and NOAA CDR Program (2016). Global Precipitation Climatology Project (GPCP) Climate Data Record (CDR), Version 2.3 (Monthly). National Centers for Environmental Information.  
doi:10.7289/V56971M6 [access date]

For GPCP daily mean precipitation rates, v1.3:

Adler, Robert; Wang, Jian-Jian; Sapiano, Mathew; Huffman, George; Bolvin, David; Nelkin, Eric; and NOAA CDR Program (2017). Global Precipitation Climatology Project (GPCP) Climate Data Record (CDR), Version 1.3 (Daily) [Indicate subset used.]. NOAA National Centers for Environmental Information. doi:10.7289/V5RX998Z [access date]

### **Literature citation**

For GPCP monthly mean precipitation rates, v2.3:

Adler, R. F., M. Sapiano, G. J. Huffman, J.-J. Wang, G. Gu, D. Bolvin, L. Chiu, U. Schneider, A. Becker, E. Nelkin, P. Xie, R. Ferraro, and D.-B. Shin, 2018: The Global Precipitation Climatology Project (GPCP) Monthly Analysis (New Version 2.3) and a Review of 2017 Global Precipitation. *Atmosphere*, 9(4), 138, doi:10.3390/atmos9040138.

For GPCP daily mean precipitation rates, v1.3:

Huffman, G. J., R. F. Adler, M. Morrissey, D. T. Bolvin, S. Curtis, R. Joyce, B. McGavock, J. Susskind, 2001: Global Precipitation at One-Degree Daily Resolution from Multi-Satellite Observations. *J. Hydrometeor.*, 2(1), 36-50,  
doi:10.1175/15257541(2001)002<0036:GPAODD>2.0.CO;2