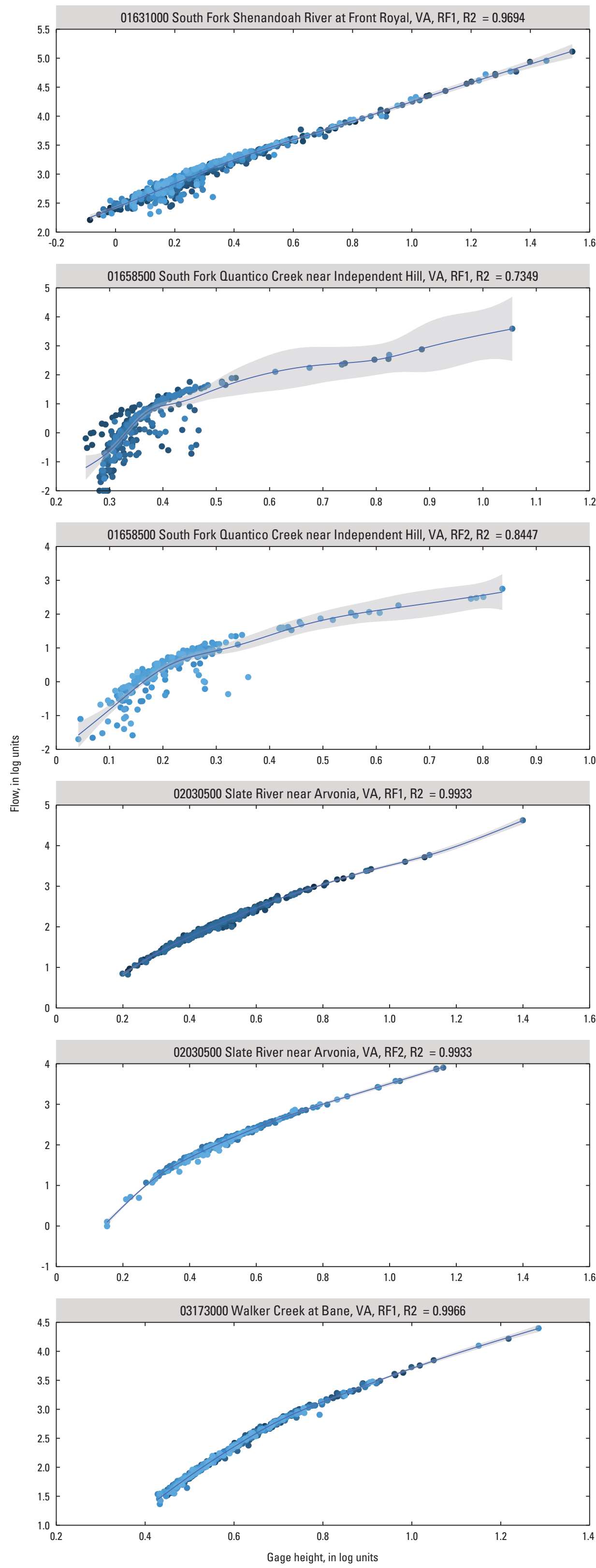
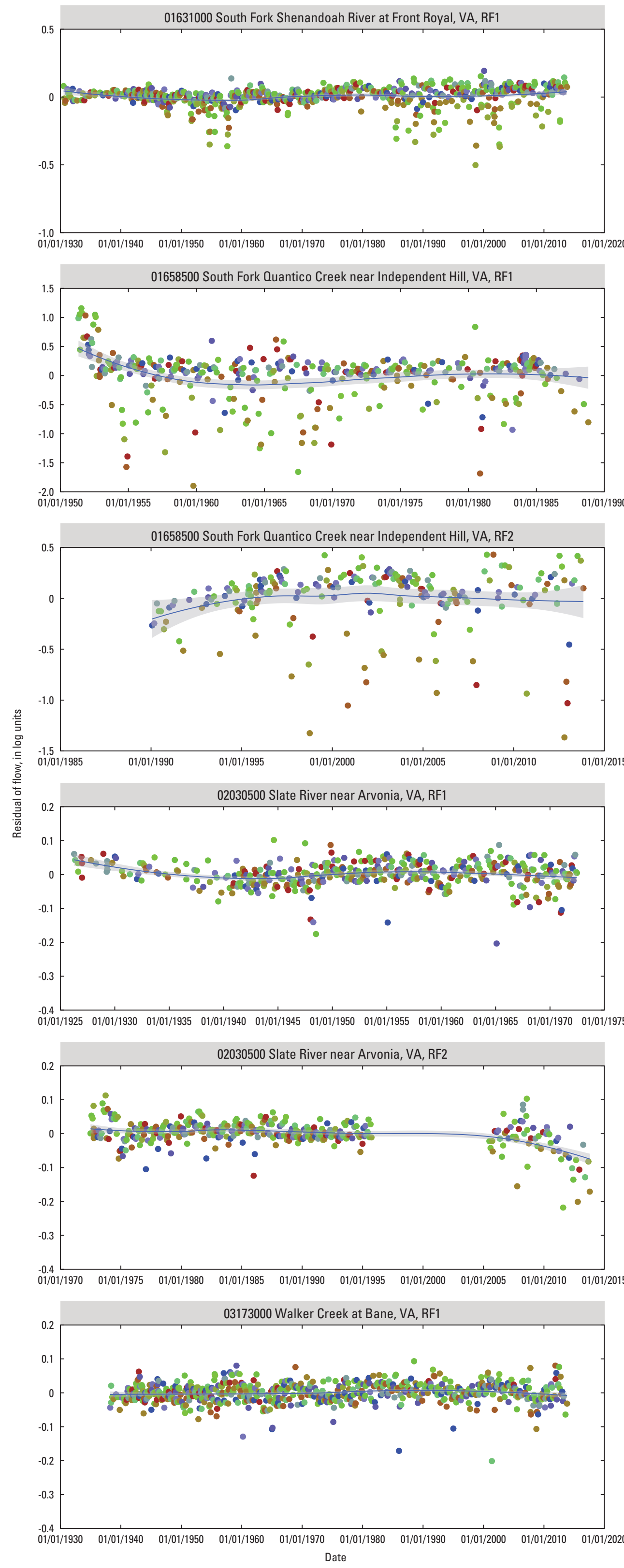


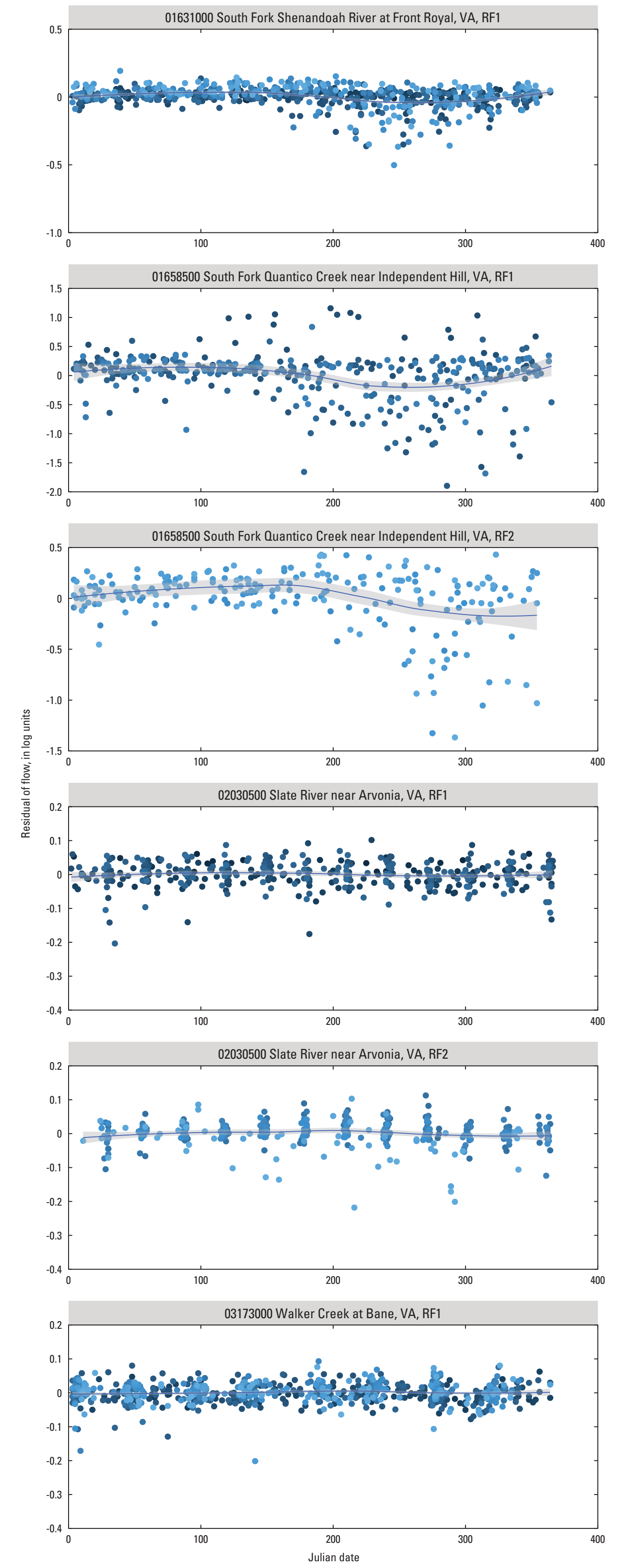
A. Long-term stage-flow relations with a generalized additive model smoother



B. Seasonal variation of relations between residual of flow and date with a LOESS smoother



C. Seasonal variation of relations between residual of flow and Julian date with a LOESS smoother



EXPLANATION

— Smoother— Shaded area represents 99-percent confidence interval

Measurement date by year: 2013 (dark blue), 2000 (medium blue), 1975 (light blue), 1950 (very light blue), 1926 (white)

Measurement date by month: December (red), September (orange), June (yellow), March (green), January (blue)

(A and C) (B)

A, Long-term stage-flow relations at selected streamgages in Virginia with a generalized additive model smoother, B, seasonal variation of relations between residual of flow and date with a LOESS smoother, and C, seasonal variation of relations between residual of flow and Julian date with a LOESS smoother

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