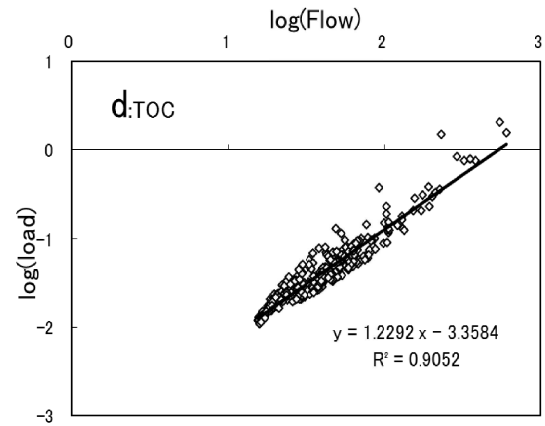
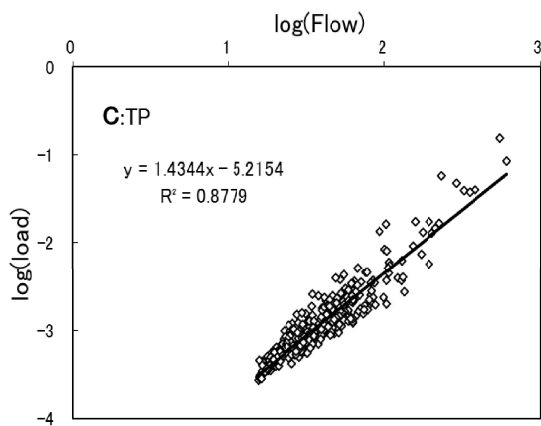
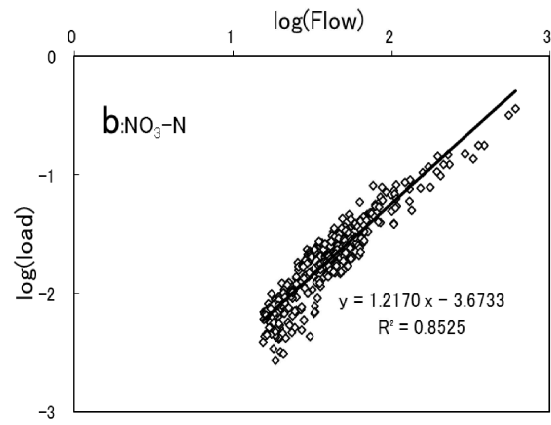
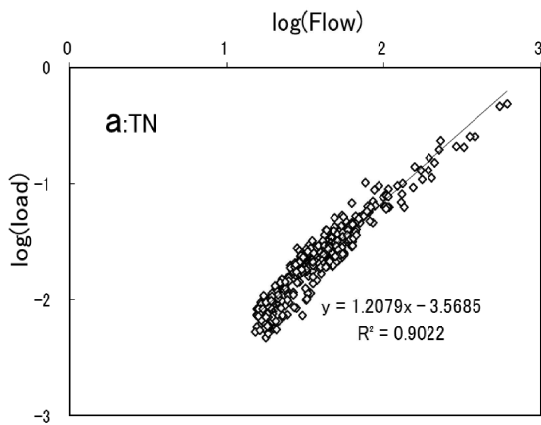


斐伊川毎日調査二次LQ式の提案

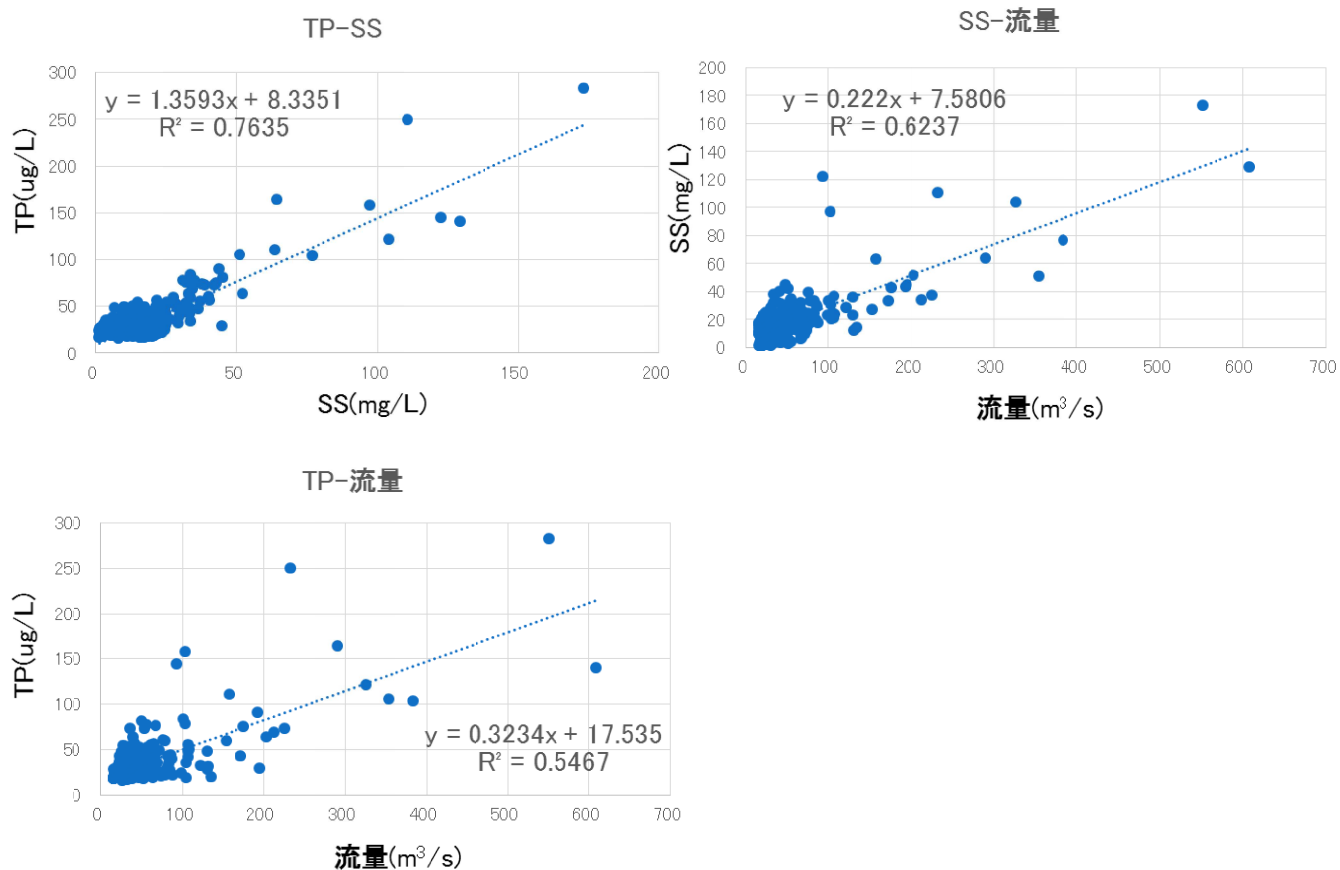
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Constituent	Log load-log flow equation	R ²	Sample N.	Load A(× 10 ³ kg y ⁻¹)	Load B(× 10 ³ kg y ⁻¹)	A/B
TN	$\log L = 1.2079 \log F - 3.5685$	0.9022	362	1082	1056	1.02
NO ₃ -N	$\log L = 1.2170 \log F - 3.6733$	0.8525	362	885	855	1.04
TP	$\log L = 1.4344 \log F - 5.2154$	0.8779	362	69.2	91.3	0.76
SRP	$\log L = 1.0341 \log F - 5.0499$	0.7033	362	16.6	20.0	0.83
TOC	$\log L = 1.2292 \log F - 3.3584$	0.9052	362	1931	2231	0.87

$$L = (\text{kg s}^{-1}) \quad F = (\text{m}^3 \text{s}^{-1})$$

Load A: L-Q式からの計算値, Load B: 実測値, 単位はいずれも × 10³kg y⁻¹



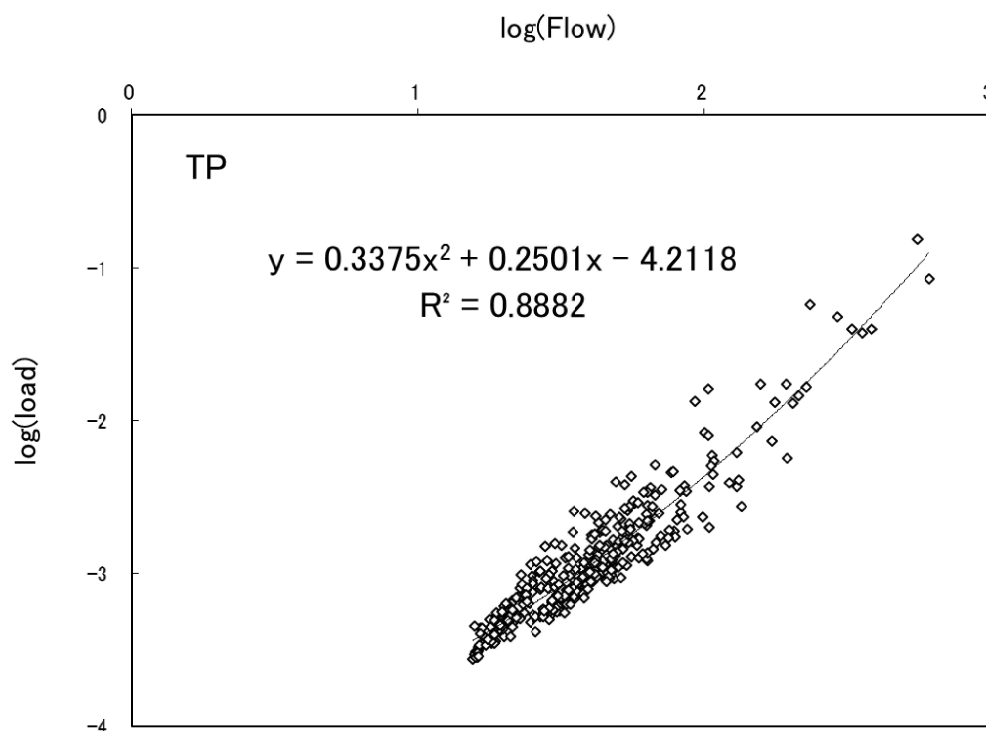
$$\text{Log } L = a + b \log F$$

$$L = C \times F$$

このときCは一定でなければ上記式は成り立たない

$$C = c + dF$$

LはFの二次関数



A/B: 一次式 0.76, 二次式 0.91