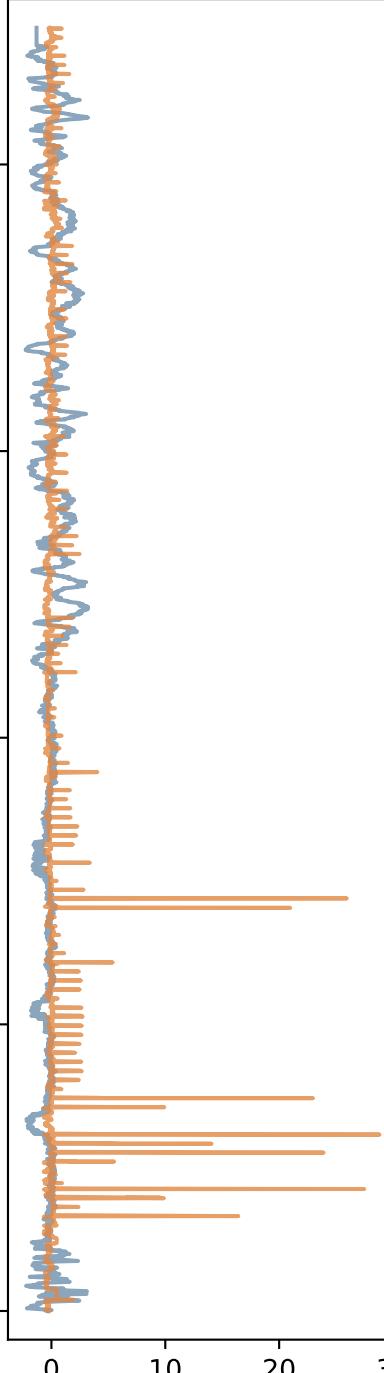


Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS

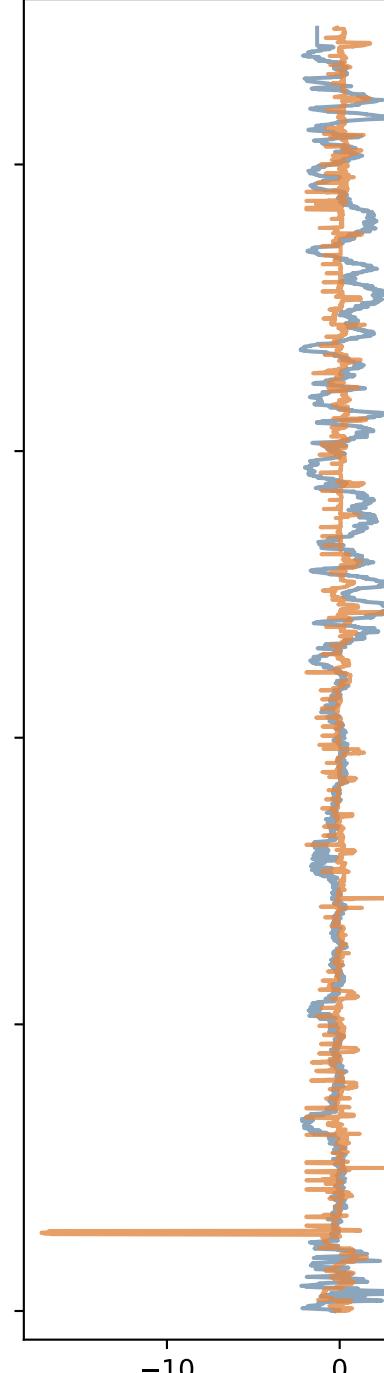
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.0198$



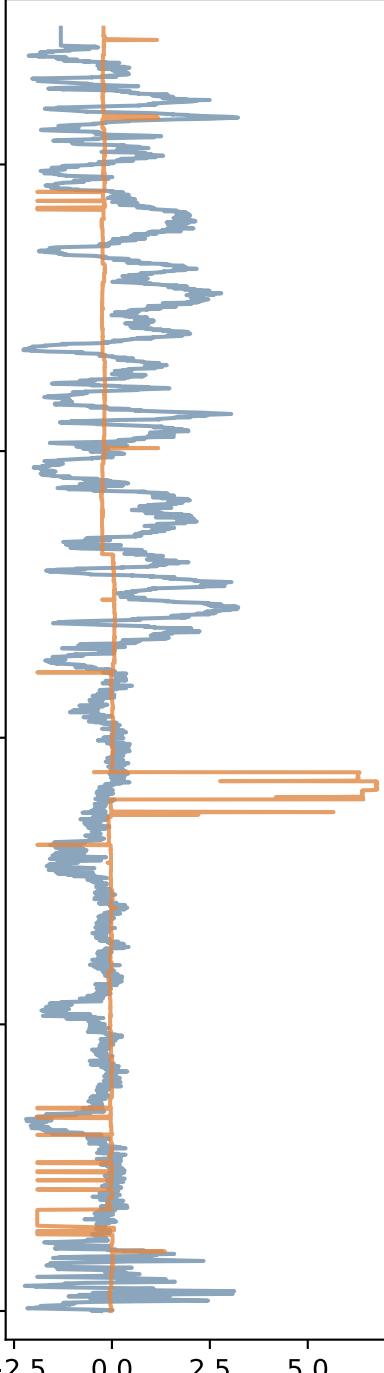
Gamma(gapi)
WOB(klbs)

Correlation
 $r = 0.0838$



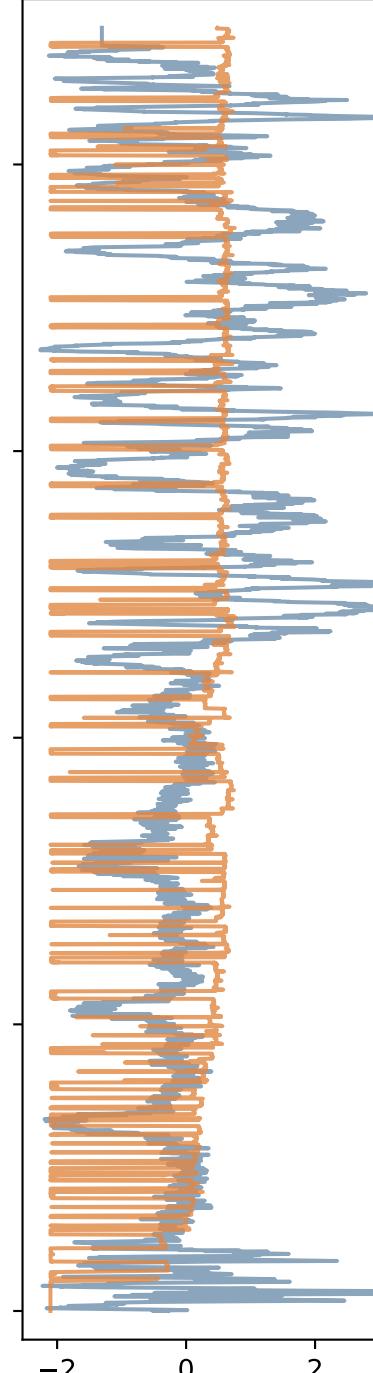
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.06$



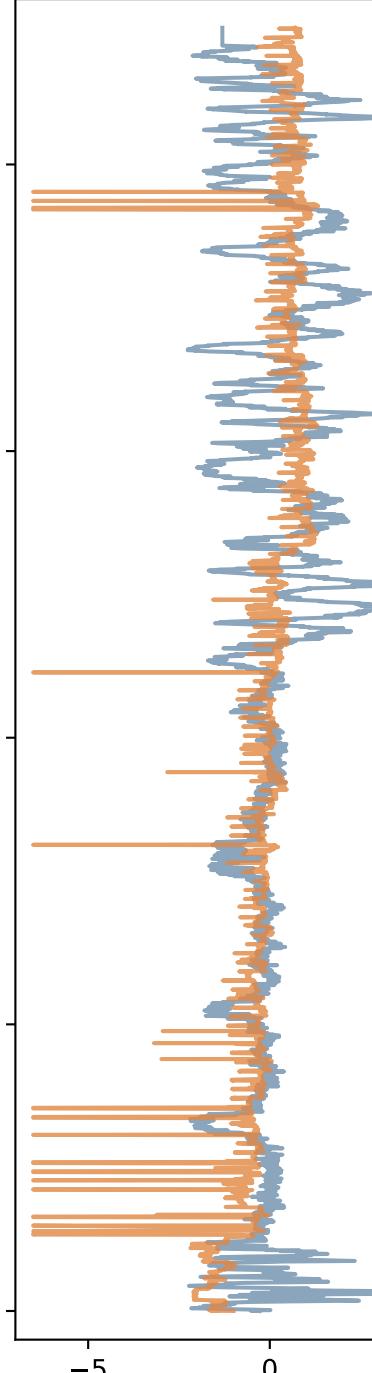
Gamma(gapi)
RPM(rpm)

Correlation
 $r = 0.0585$



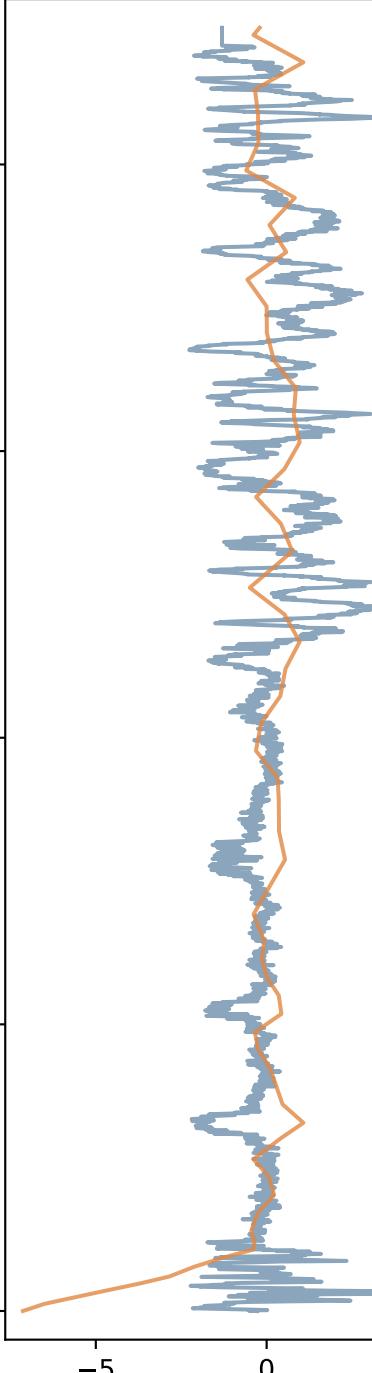
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.17$



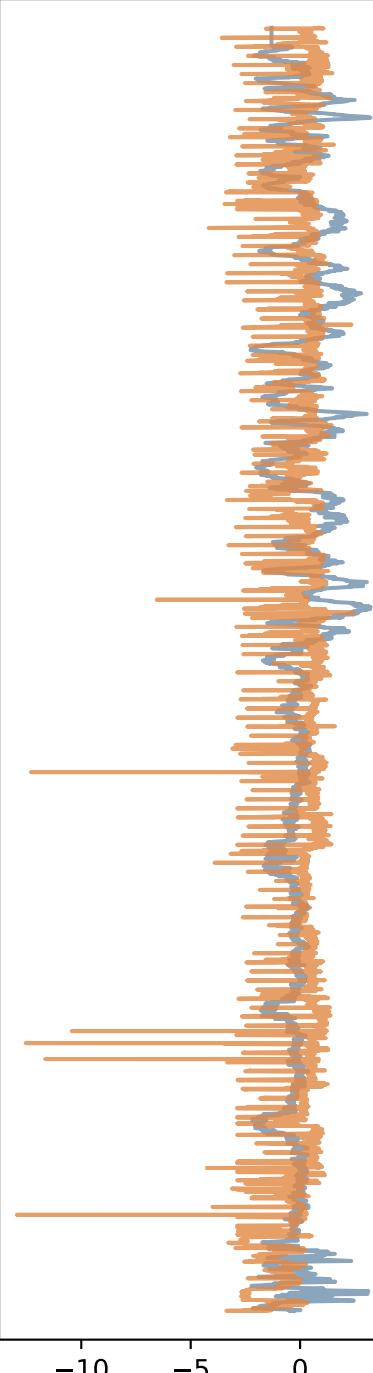
Gamma(gapi)
INC(deg)

Correlation
 $r = -0.1413$



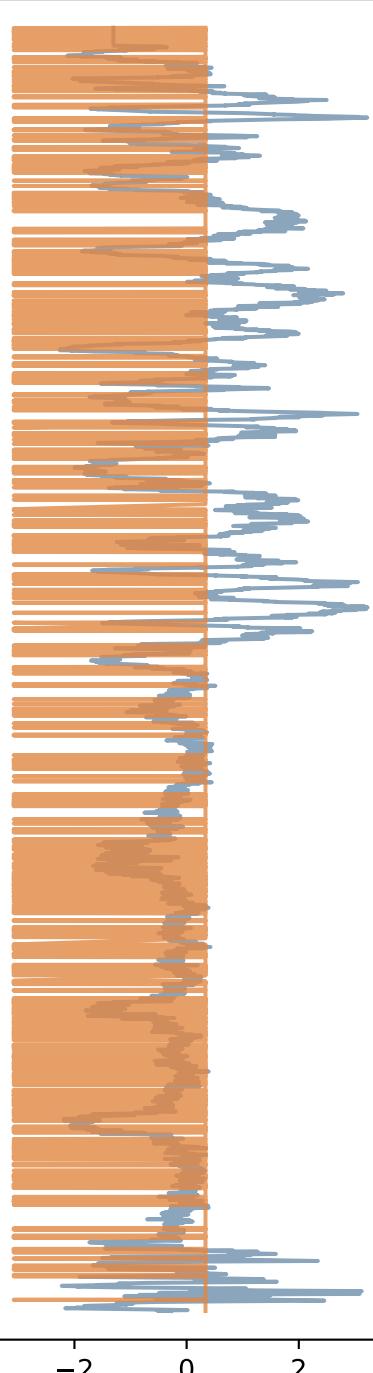
Gamma(gapi)
DIFP(psi)

Correlation
 $r = -0.0006$



Gamma(gapi)
BIT(in)

Correlation
 $r = 0.0096$

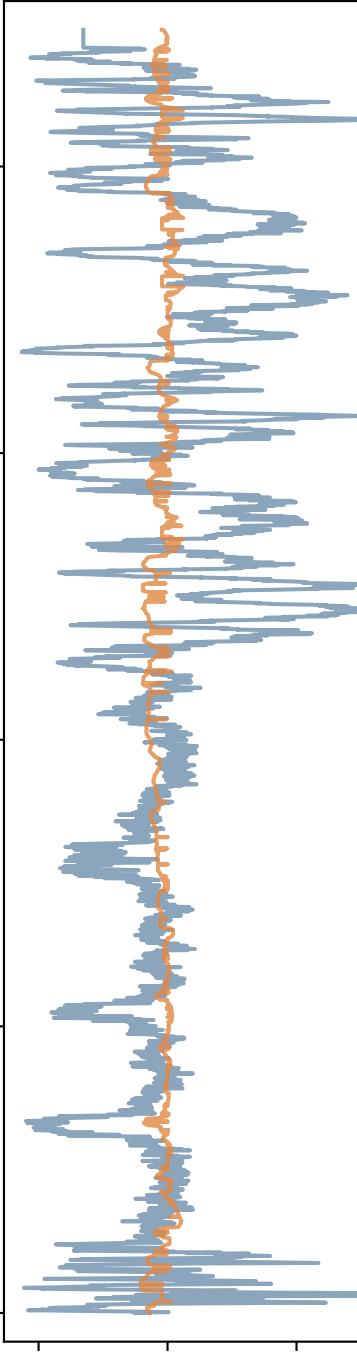


DEPTH(ft)

Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

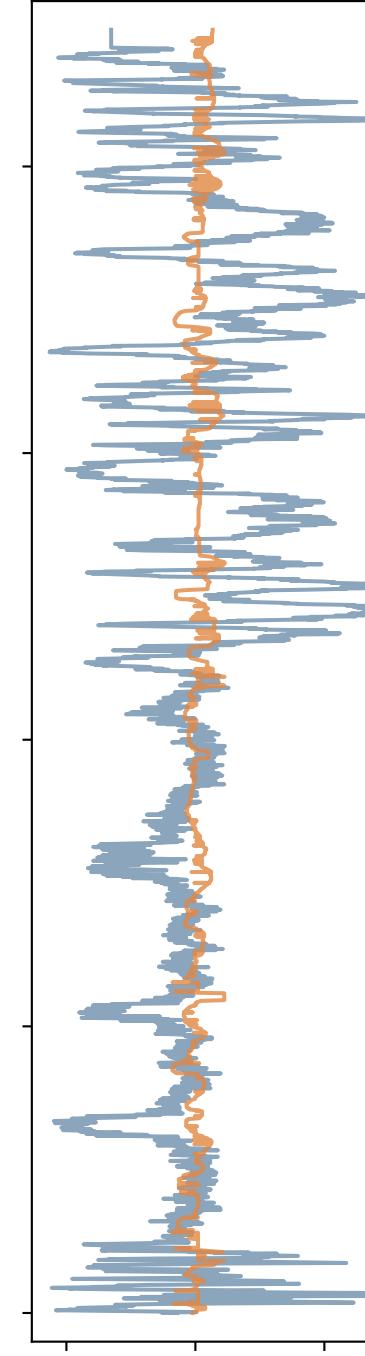
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.0078$



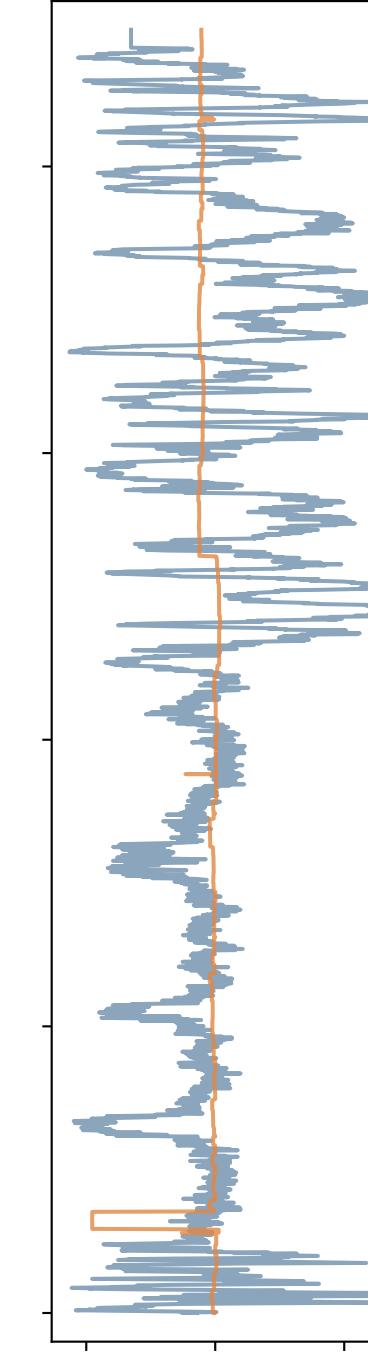
Gamma(gapi)
WOB(klbs)

Correlation
 $r = 0.0616$



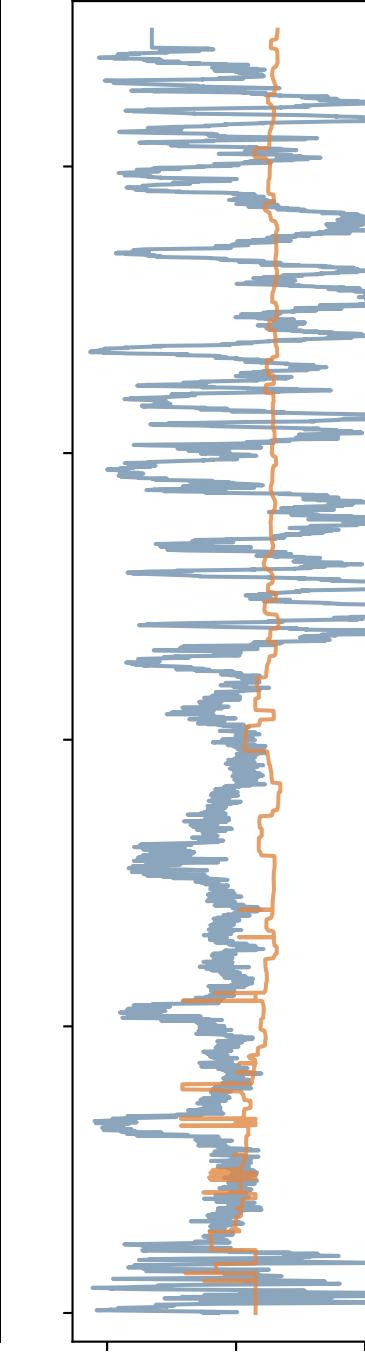
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.0649$



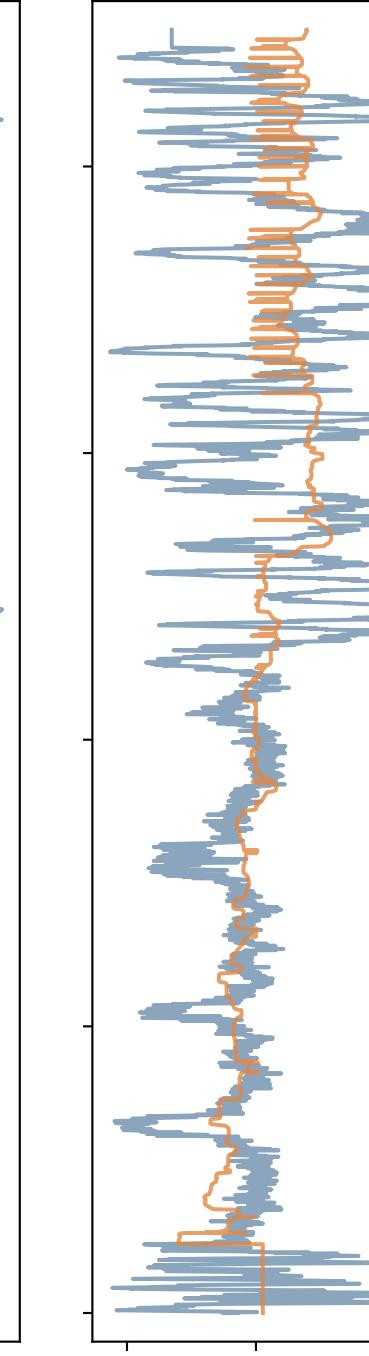
Gamma(gapi)
RPM(rpm)

Correlation
 $r = 0.0956$



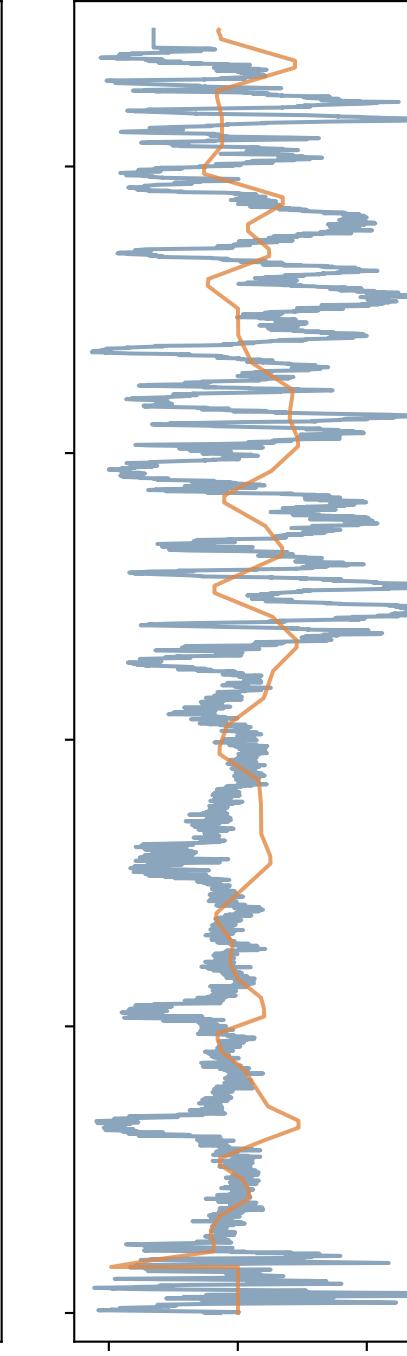
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.2157$



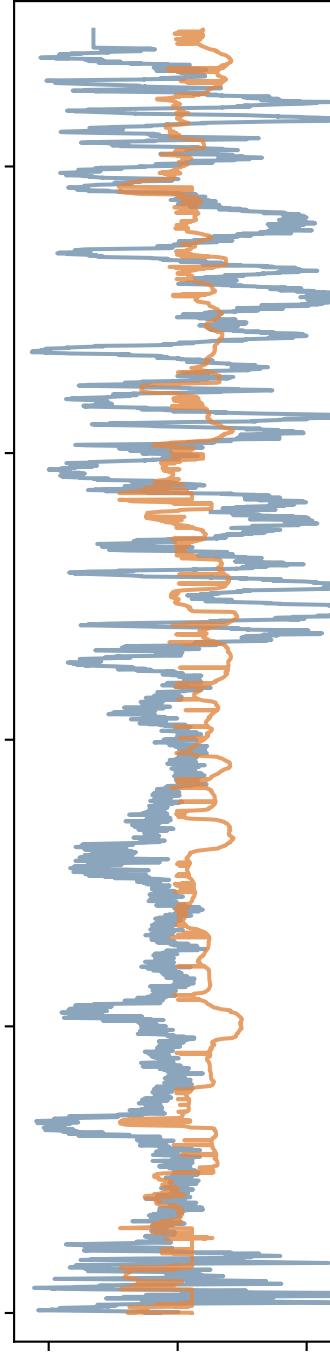
Gamma(gapi)
INC(deg)

Correlation
 $r = -0.1504$



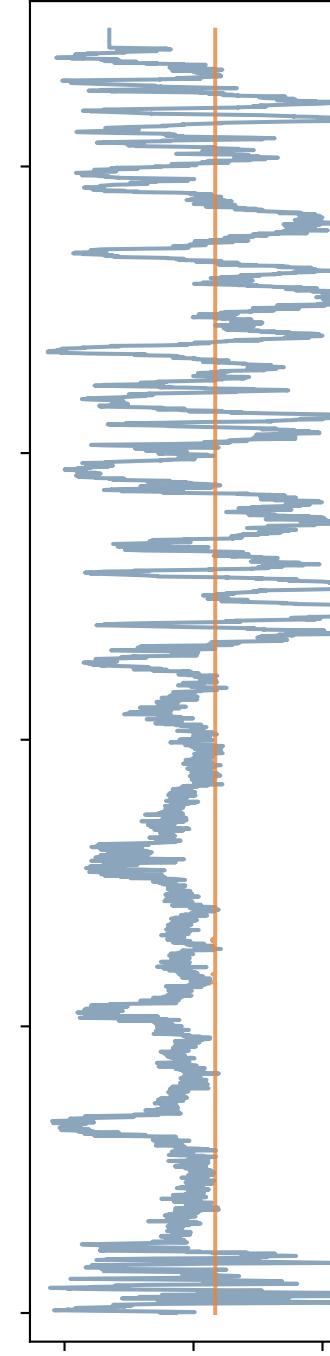
Gamma(gapi)
DIFP(psi)

Correlation
 $r = 0.031$



Gamma(gapi)
BIT(in)

Correlation
 $r = -0.0218$



DEPTH(ft)

Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS

Gamma(gapi)
ROP(ft / min)

Gamma(gapi)
WOB(klbs)

Gamma(gapi)
TPO(gal / min)

Gamma(gapi)
RPM(rpm)

Gamma(gapi)
SPP(psi)

Gamma(gapi)
INC(deg)

Gamma(gapi)
DIFP(psi)

Gamma(gapi)
BIT(in)

Correlation
 $r = 0.3871$

Correlation
 $r = -0.2389$

Correlation
 $r = 0.4648$

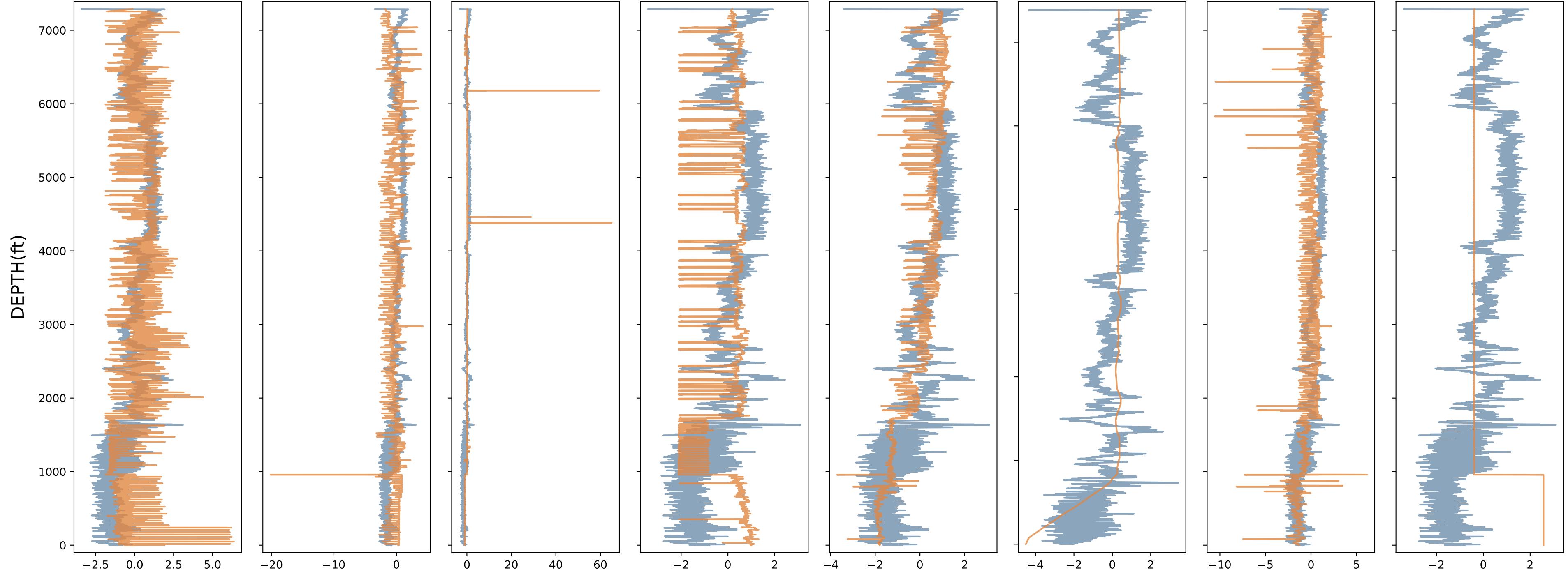
Correlation
 $r = -0.0755$

Correlation
 $r = 0.4682$

Correlation
 $r = 0.1684$

Correlation
 $r = 0.2462$

Correlation
 $r = -0.4158$



Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

Gamma(gapi)
ROP(ft / min)

Gamma(gapi)
WOB(klbs)

Gamma(gapi)
TPO(gal / min)

Gamma(gapi)
RPM(rpm)

Gamma(gapi)
SPP(psi)

Gamma(gapi)
INC(deg)

Gamma(gapi)
DIFP(psi)

Gamma(gapi)
BIT(in)

Correlation
 $r = 0.5372$

Correlation
 $r = -0.3364$

Correlation
 $r = 0.4324$

Correlation
 $r = -0.1114$

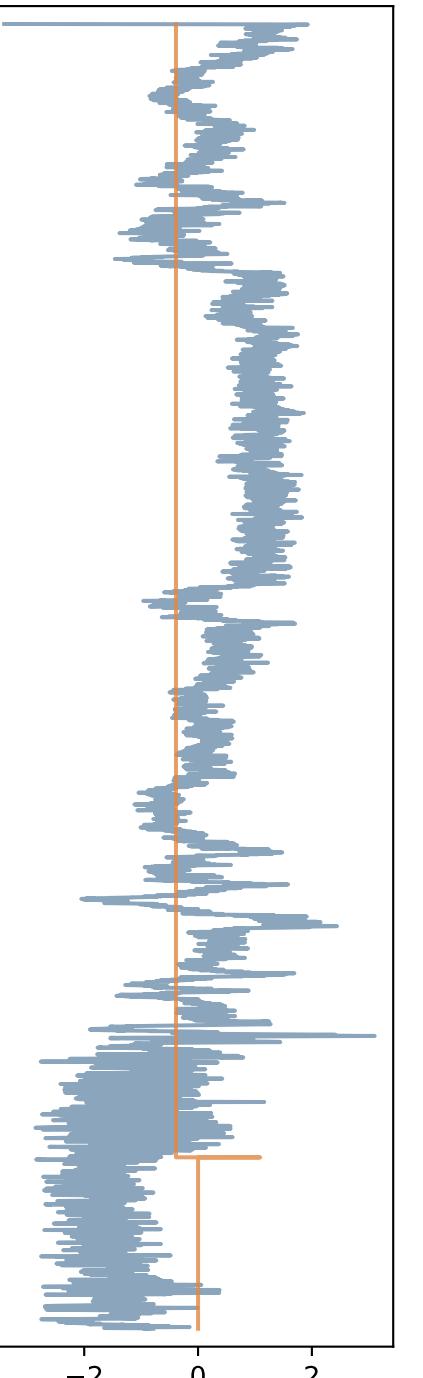
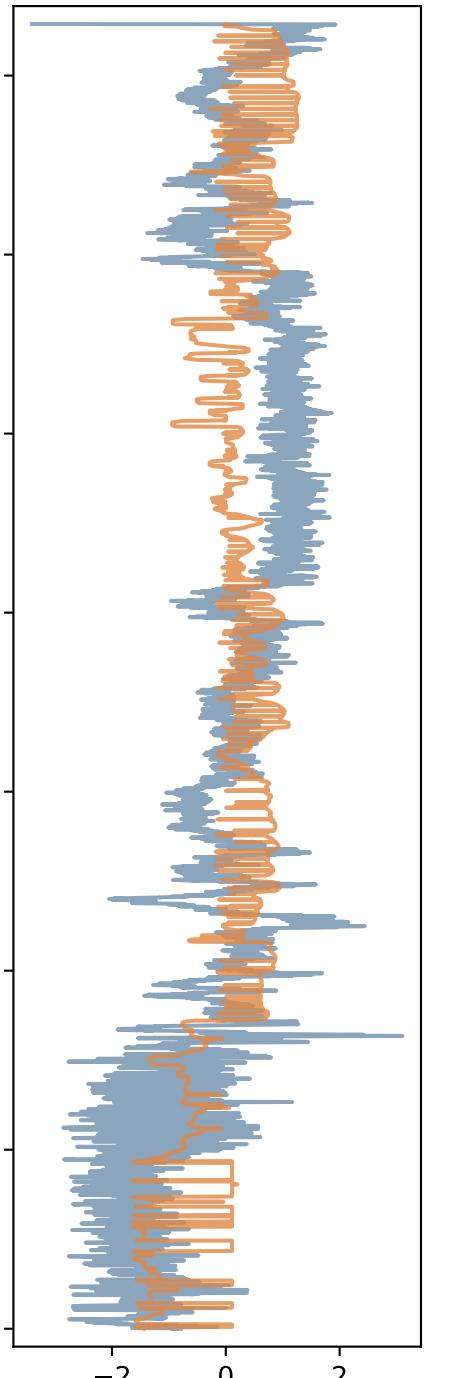
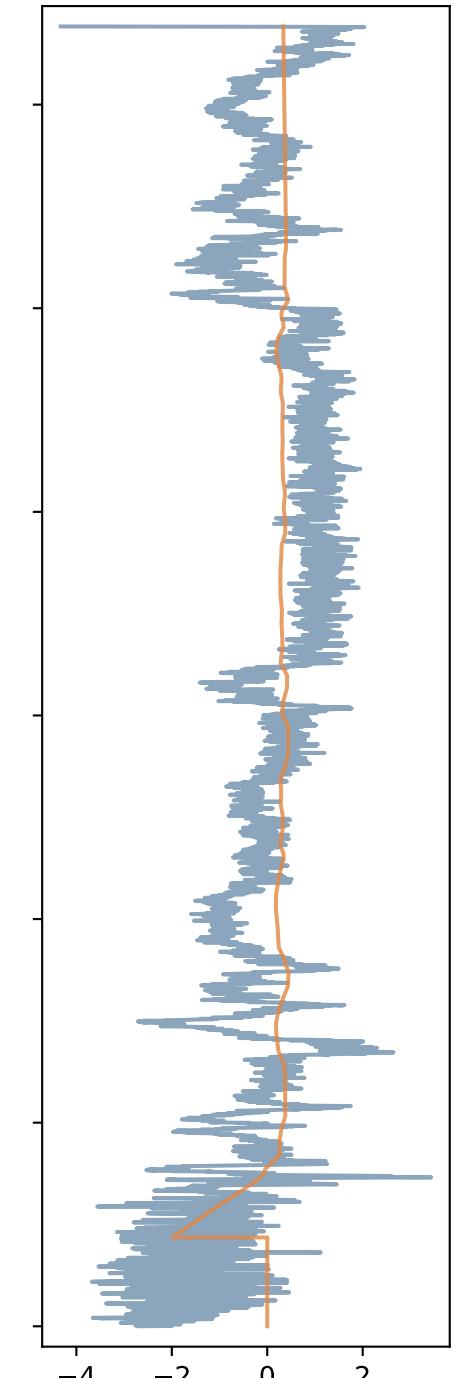
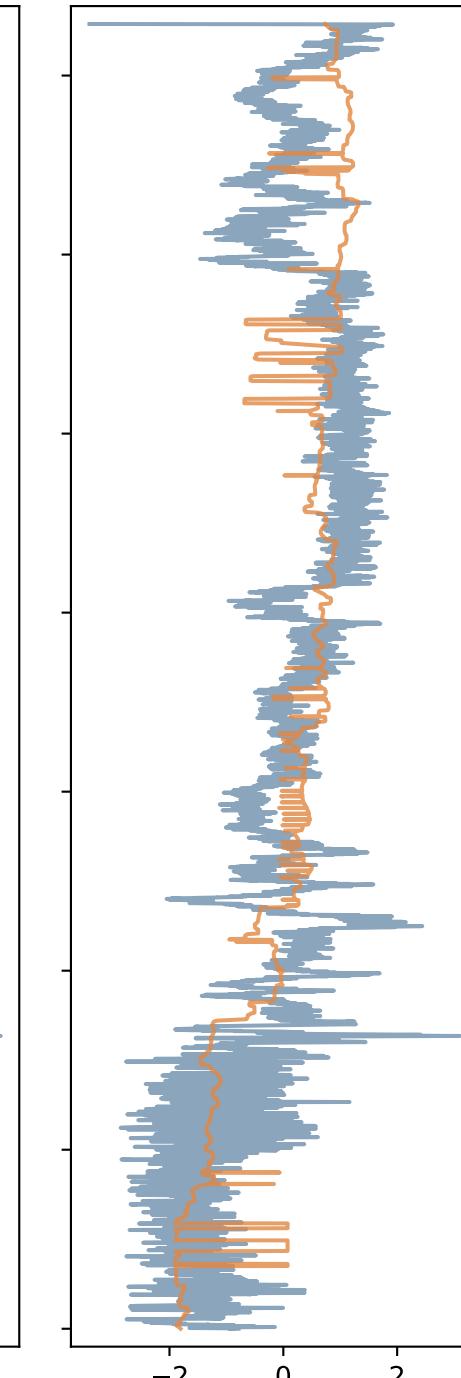
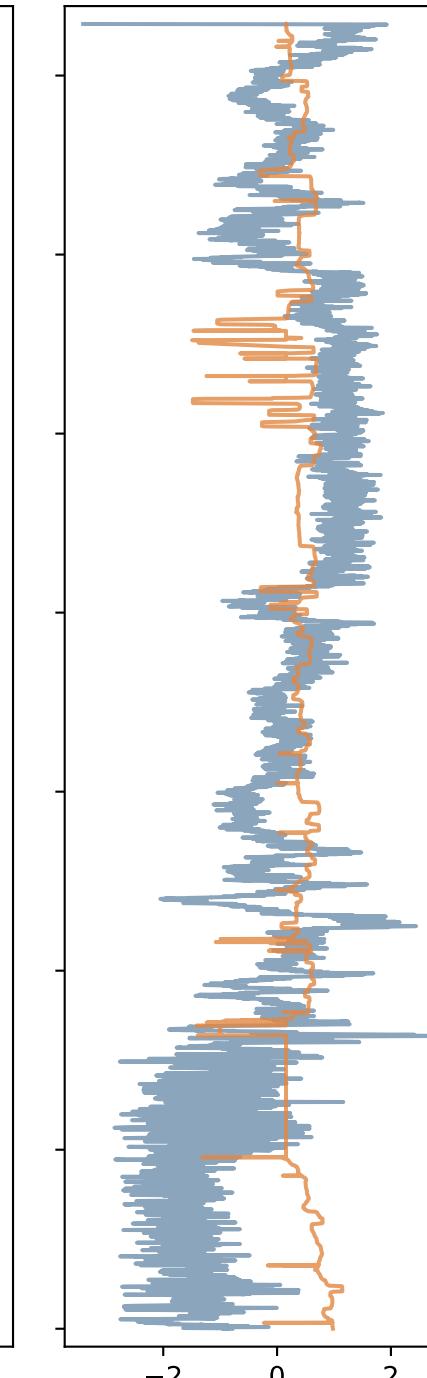
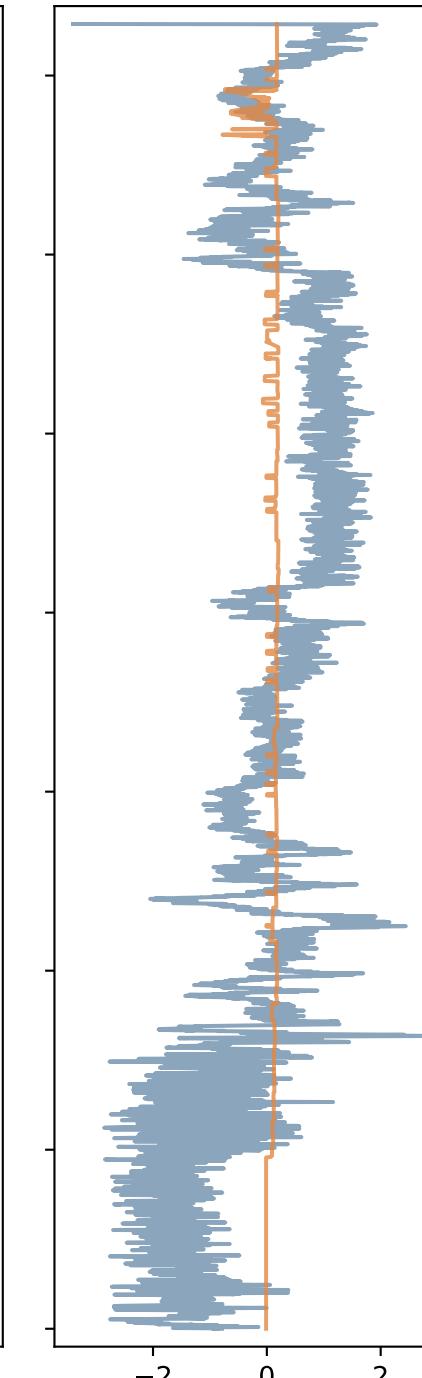
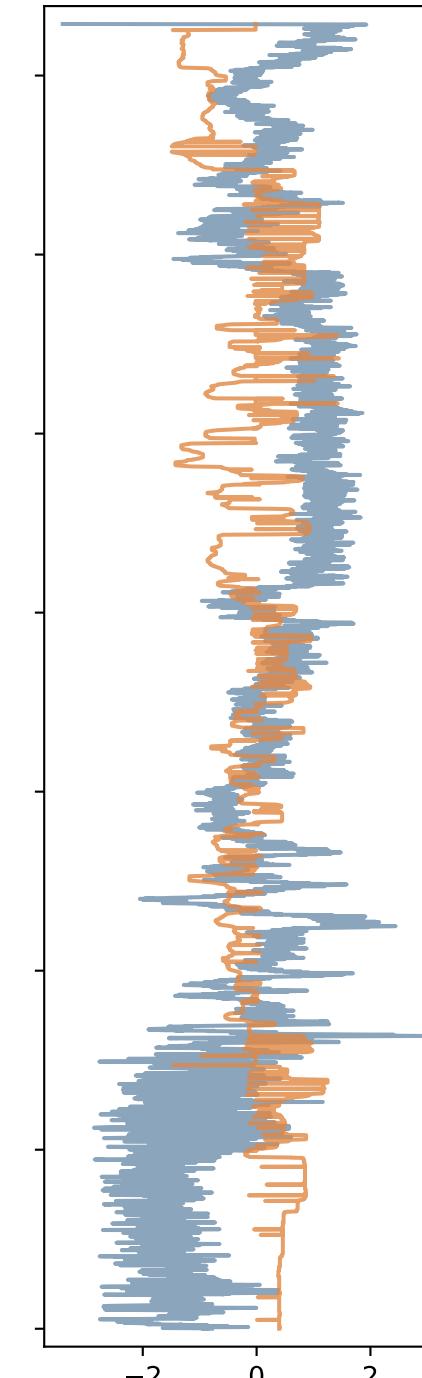
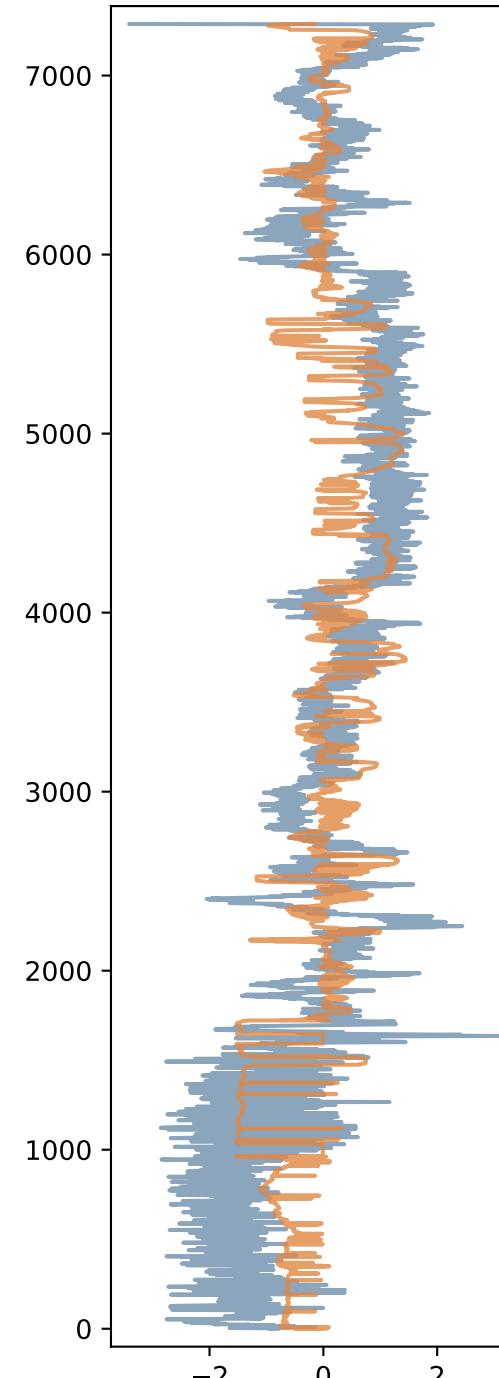
Correlation
 $r = 0.4561$

Correlation
 $r = 0.1625$

Correlation
 $r = 0.1404$

Correlation
 $r = -0.5204$

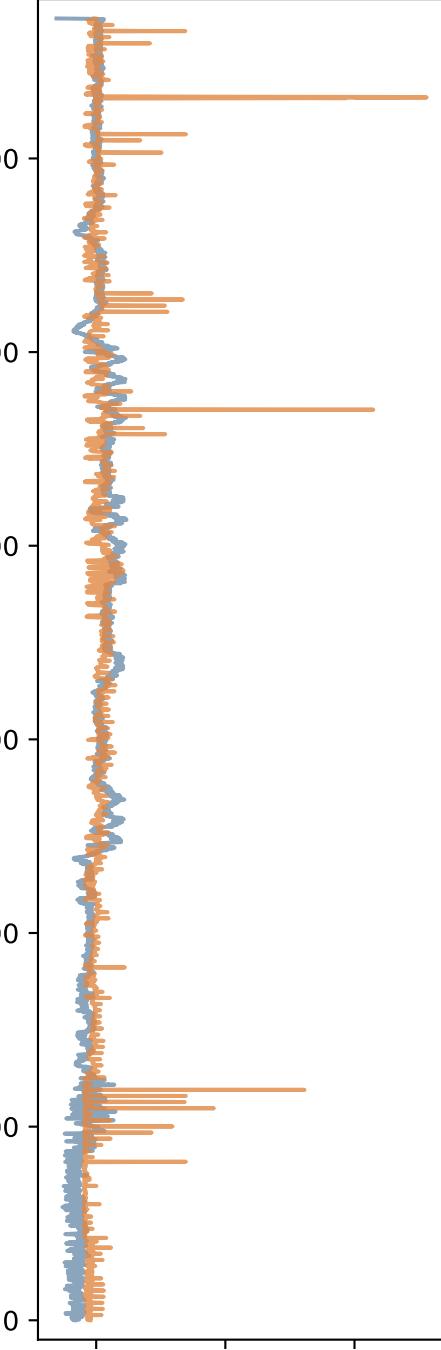
DEPTH(ft)



Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS

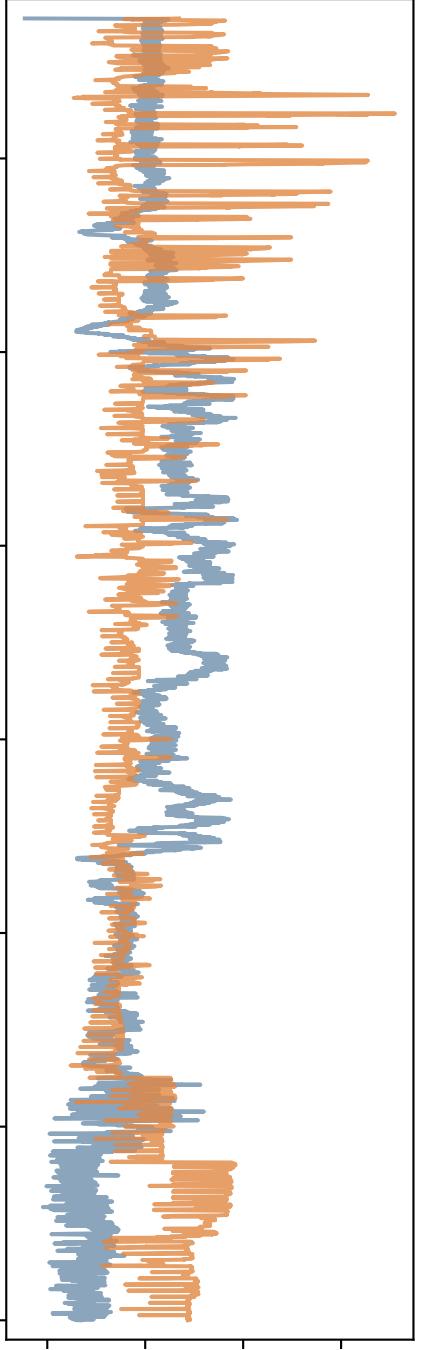
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.5612$



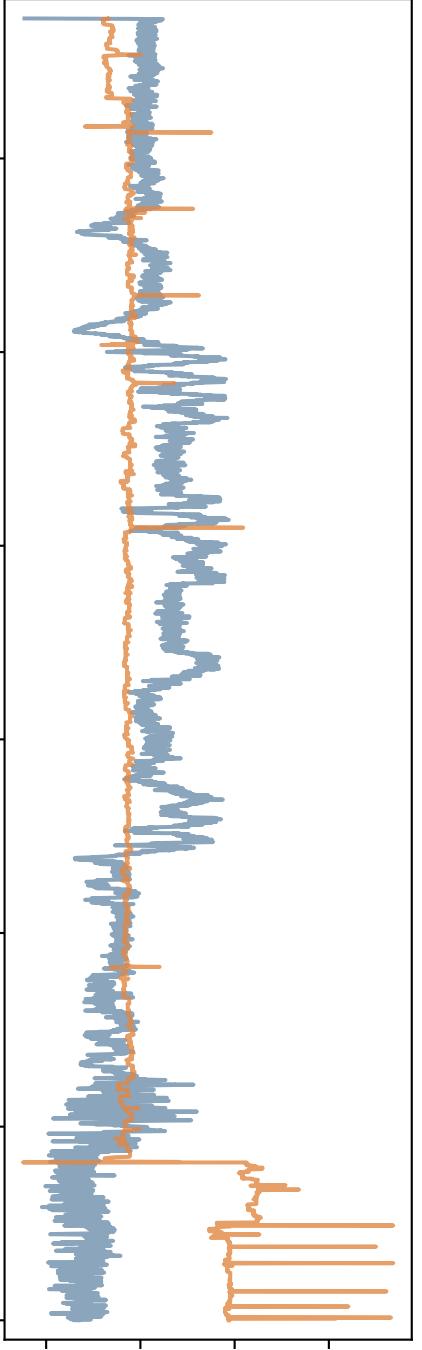
Gamma(gapi)
WOB(klbs)

Correlation
 $r = -0.1898$



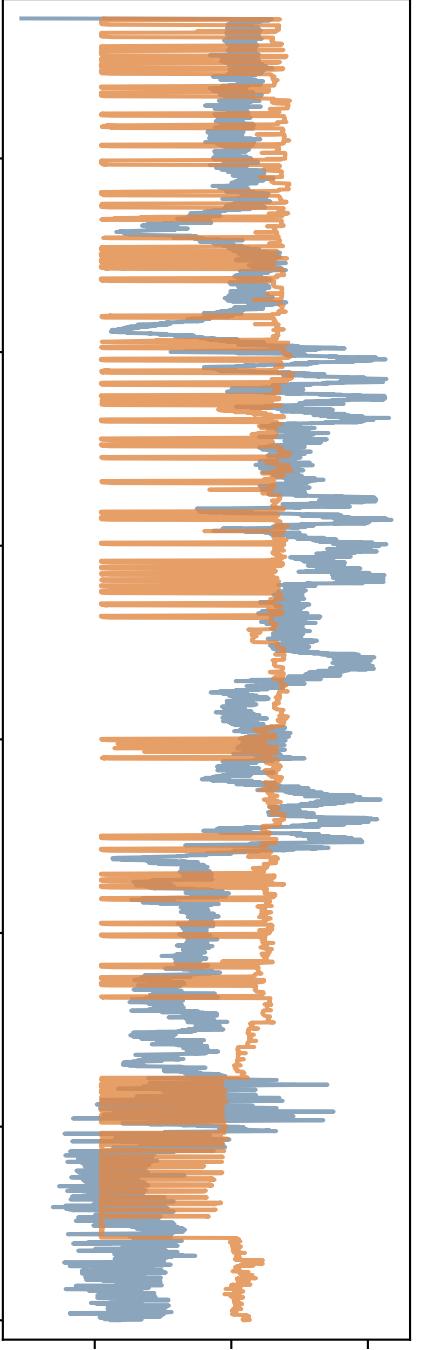
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.2557$



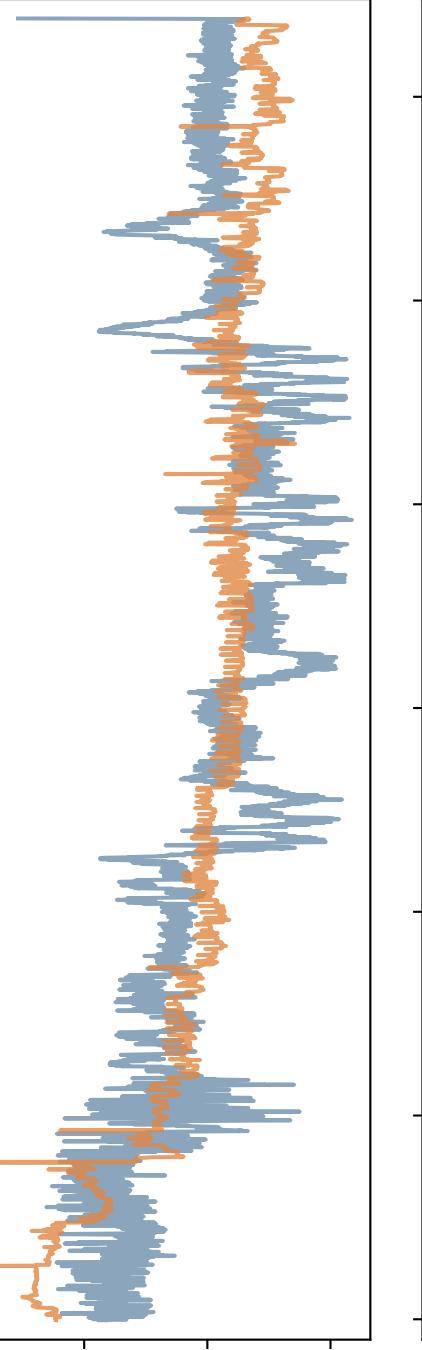
Gamma(gapi)
RPM(rpm)

Correlation
 $r = 0.3939$



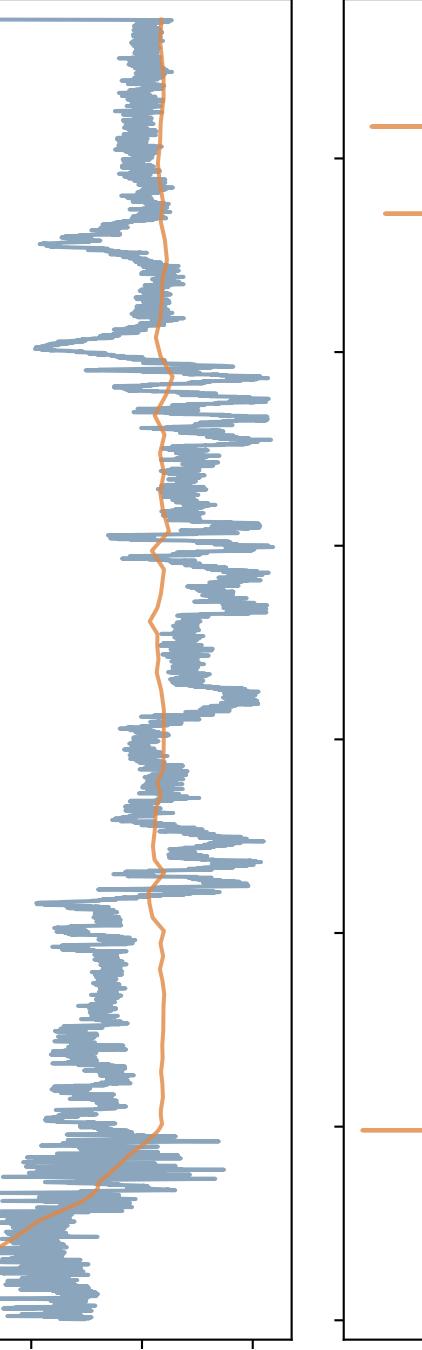
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.5534$



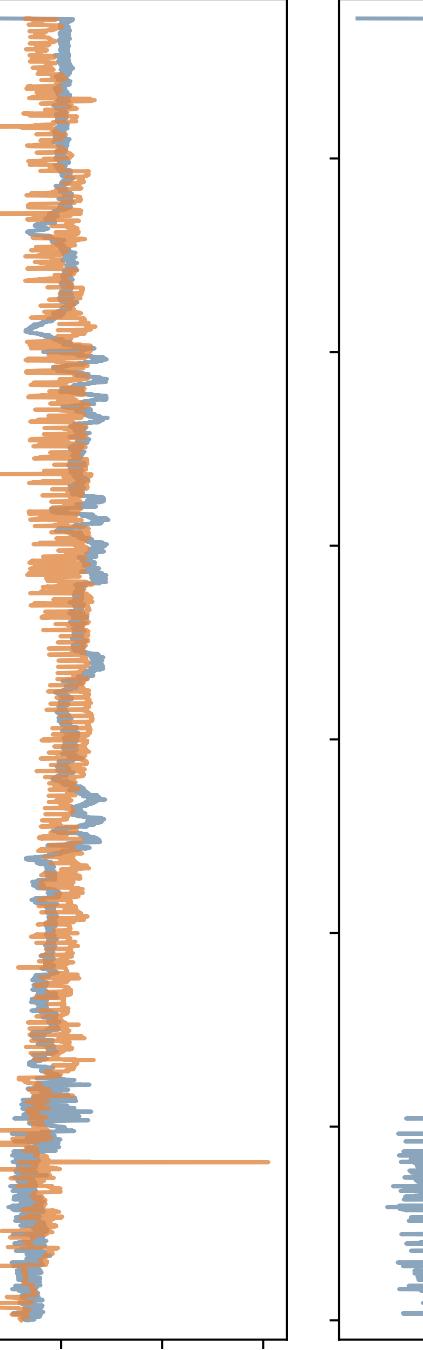
Gamma(gapi)
INC(deg)

Correlation
 $r = 0.2194$



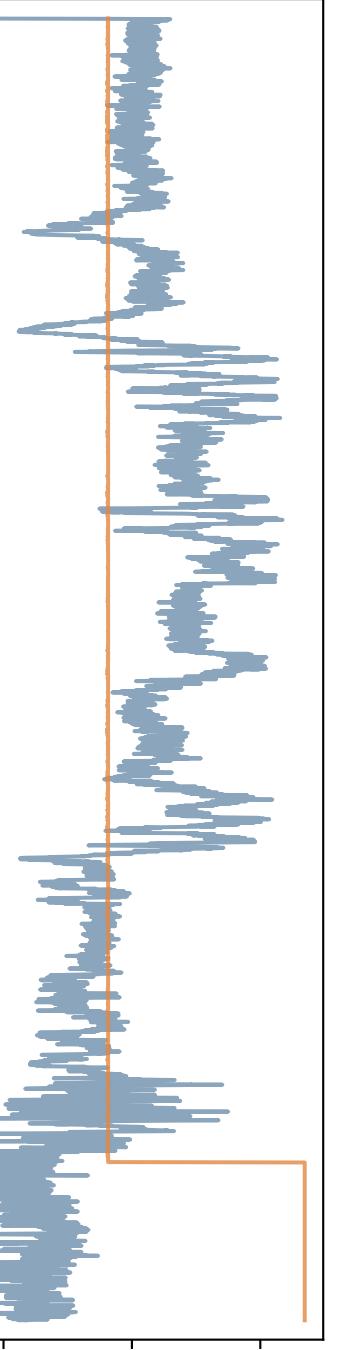
Gamma(gapi)
DIFP(psi)

Correlation
 $r = 0.4212$

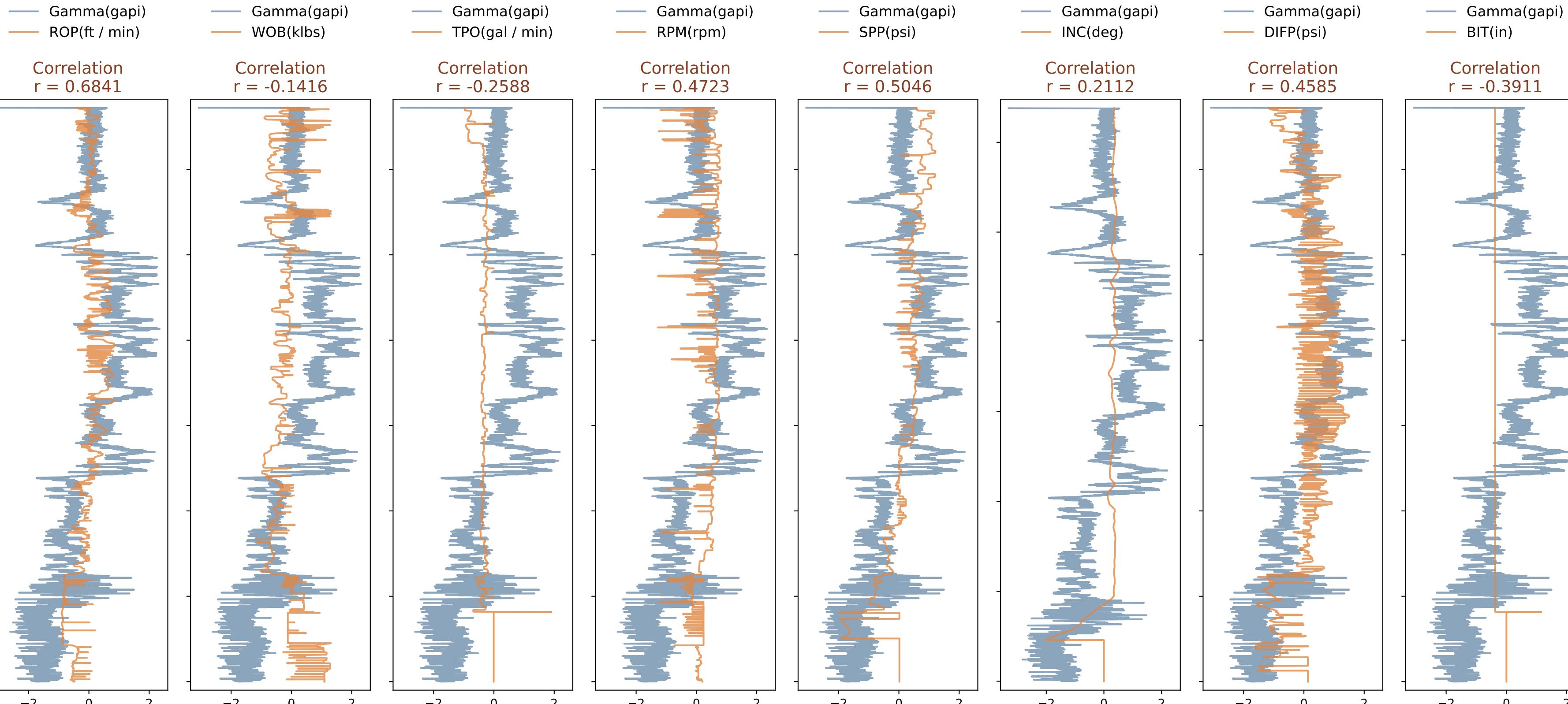


Gamma(gapi)
BIT(in)

Correlation
 $r = -0.3965$



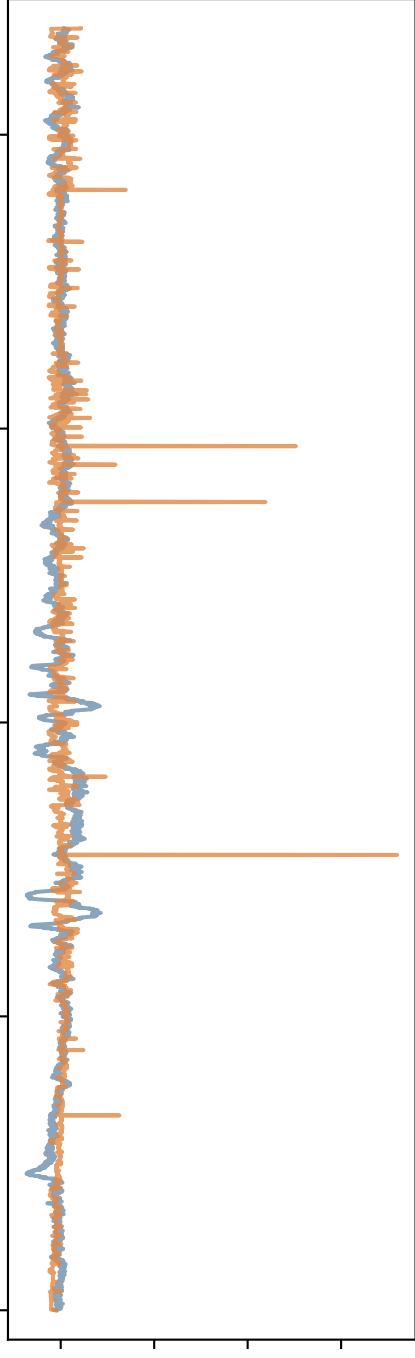
Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS

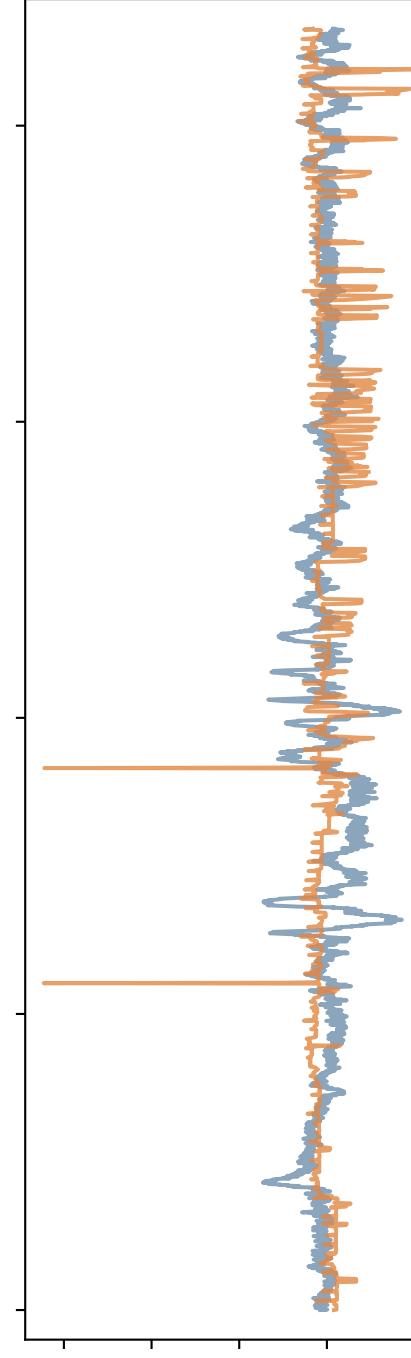
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.0724$



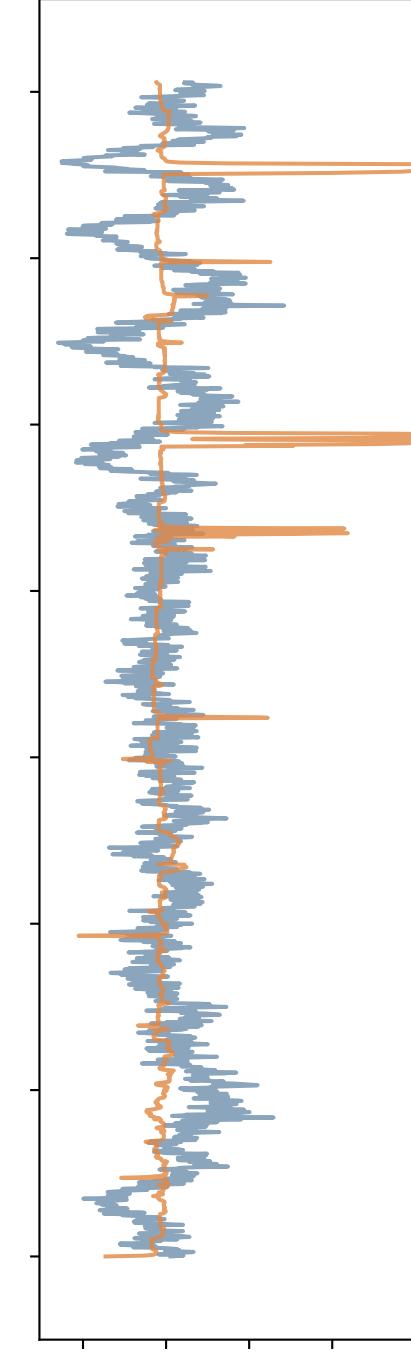
Gamma(gapi)
WOB(klbs)

Correlation
 $r = 0.0485$



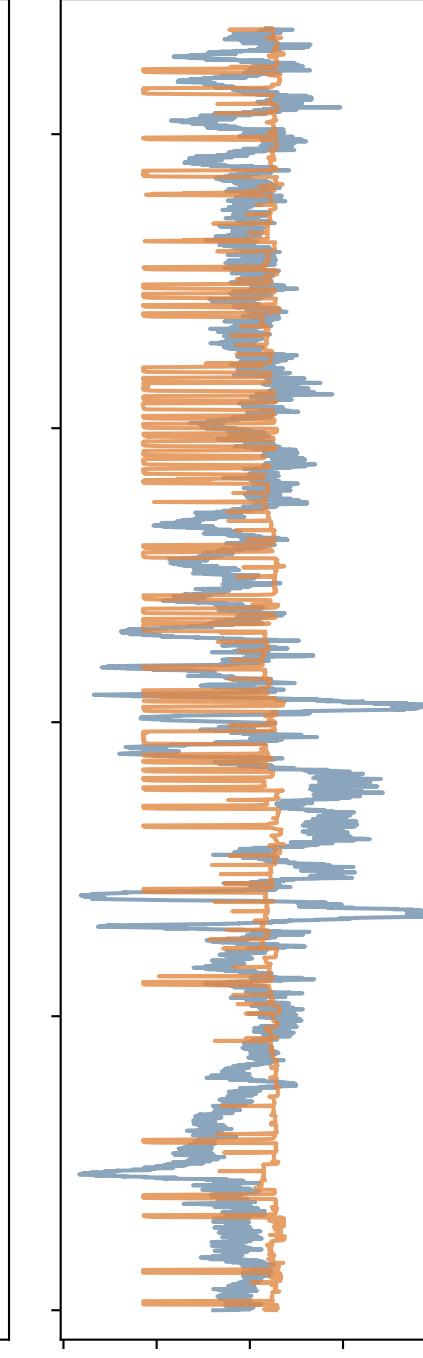
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = 0.1077$



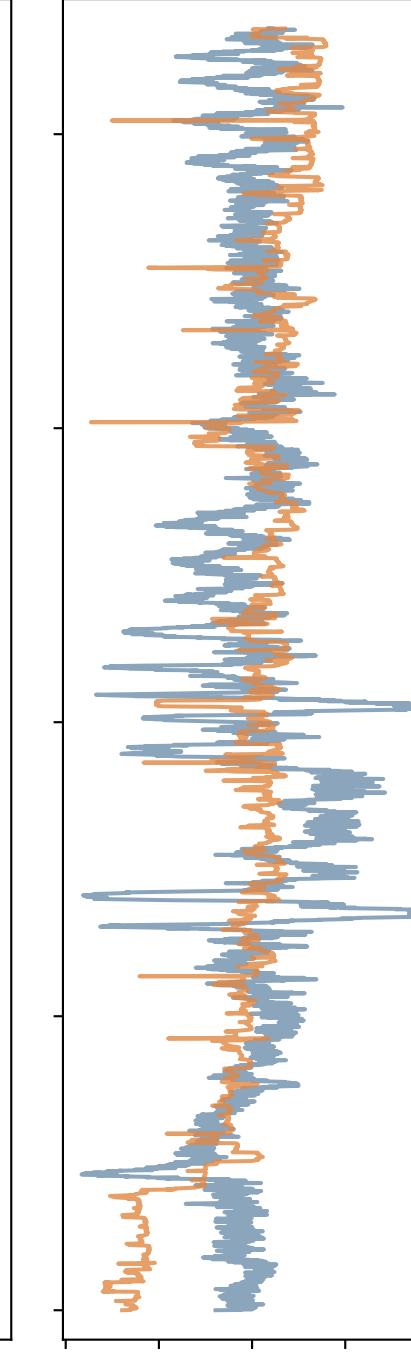
Gamma(gapi)
RPM(rpm)

Correlation
 $r = -0.0088$



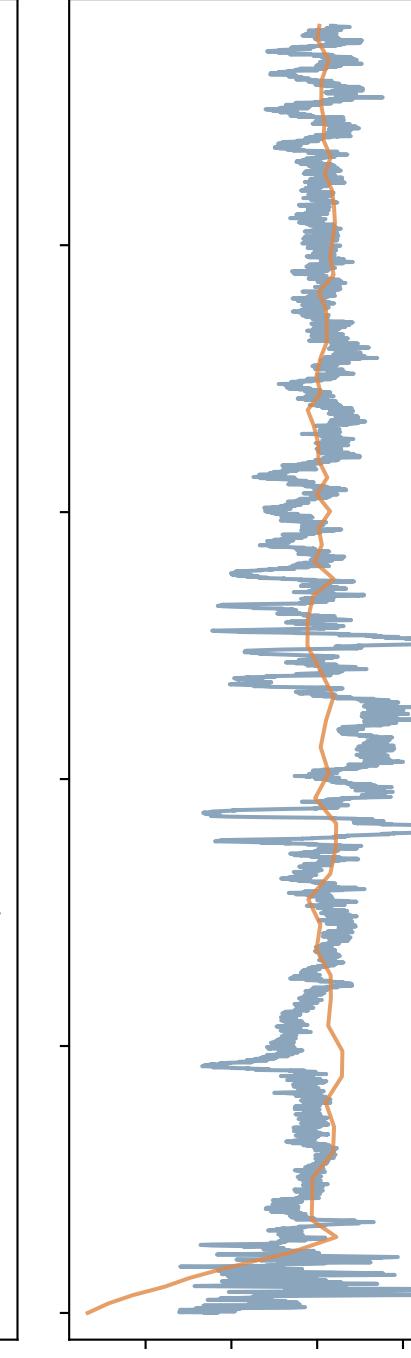
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.1072$



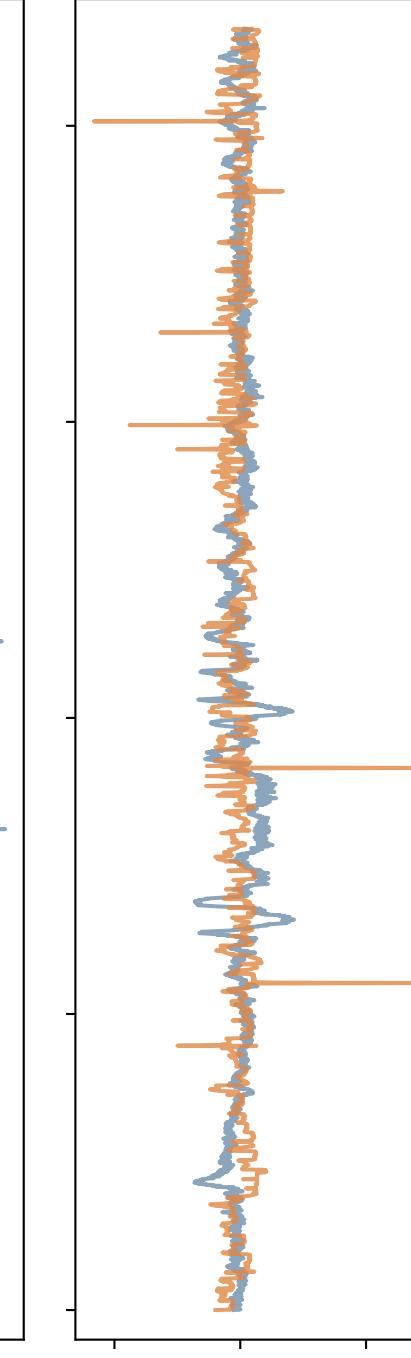
Gamma(gapi)
INC(deg)

Correlation
 $r = -0.0769$



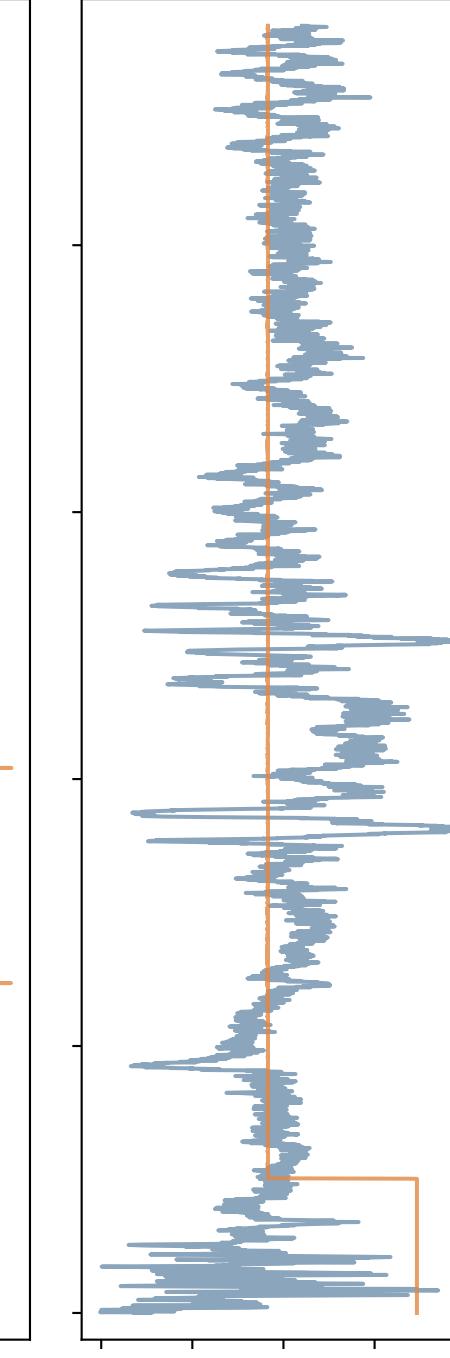
Gamma(gapi)
DIFP(psi)

Correlation
 $r = -0.1505$



Gamma(gapi)
BIT(in)

Correlation
 $r = -0.1842$

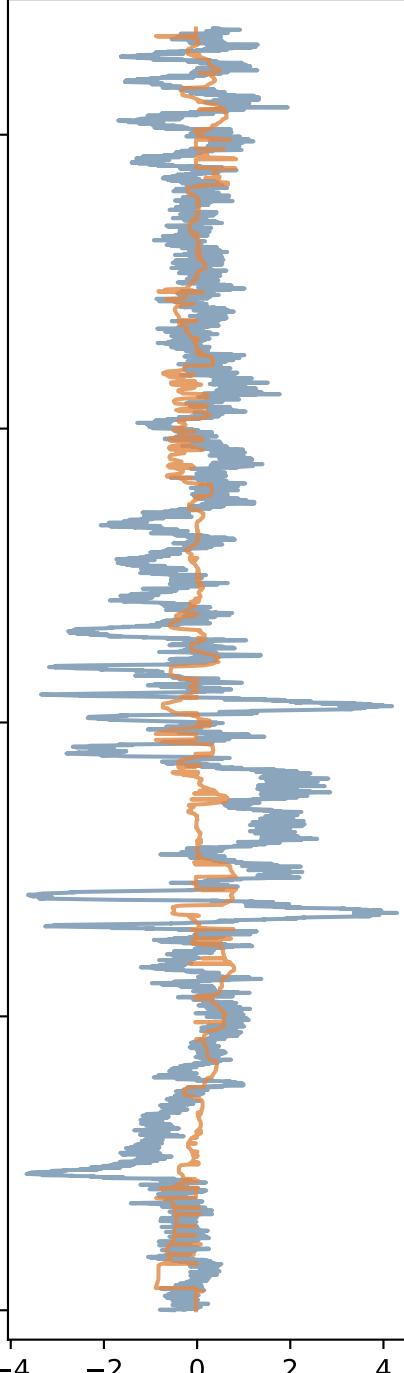


DEPTH(ft)

Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

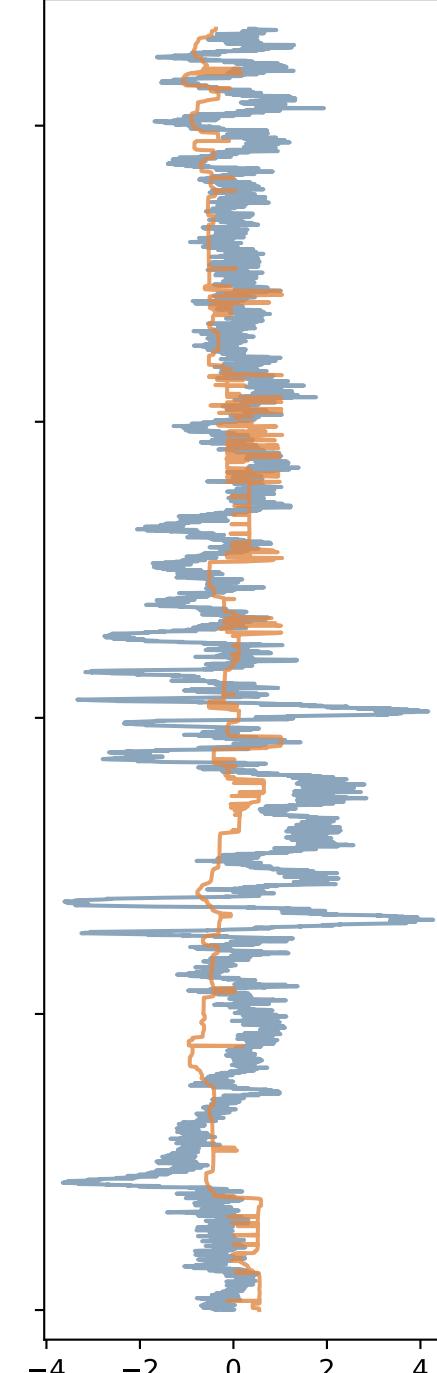
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.0422$



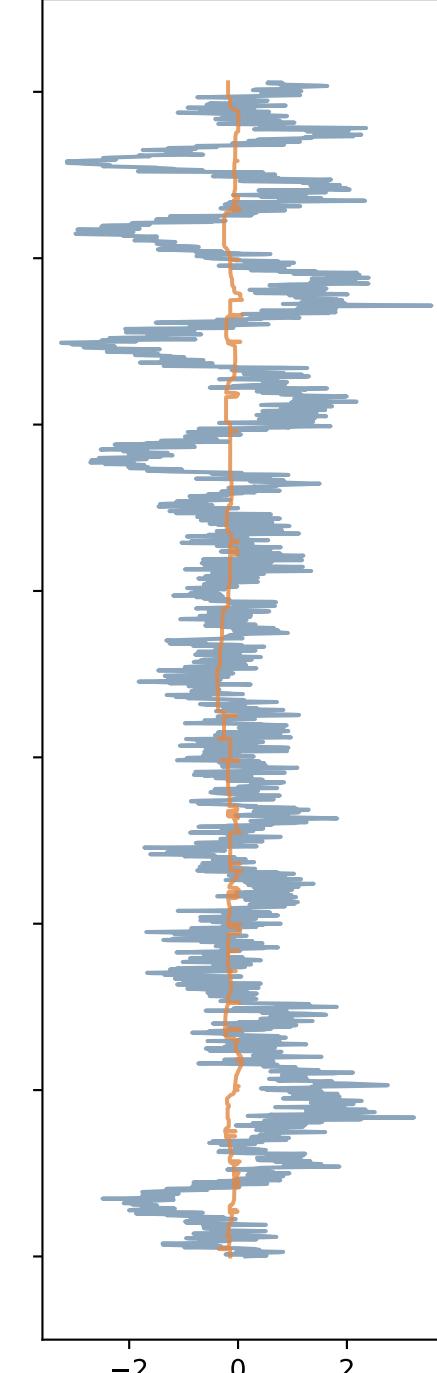
Gamma(gapi)
WOB(klbs)

Correlation
 $r = 0.0624$



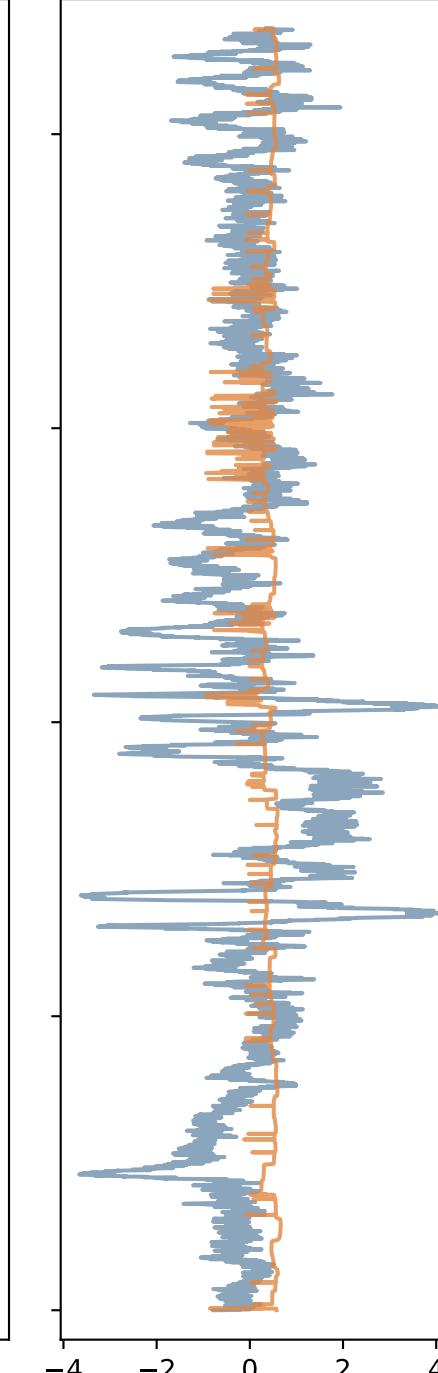
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = 0.15$



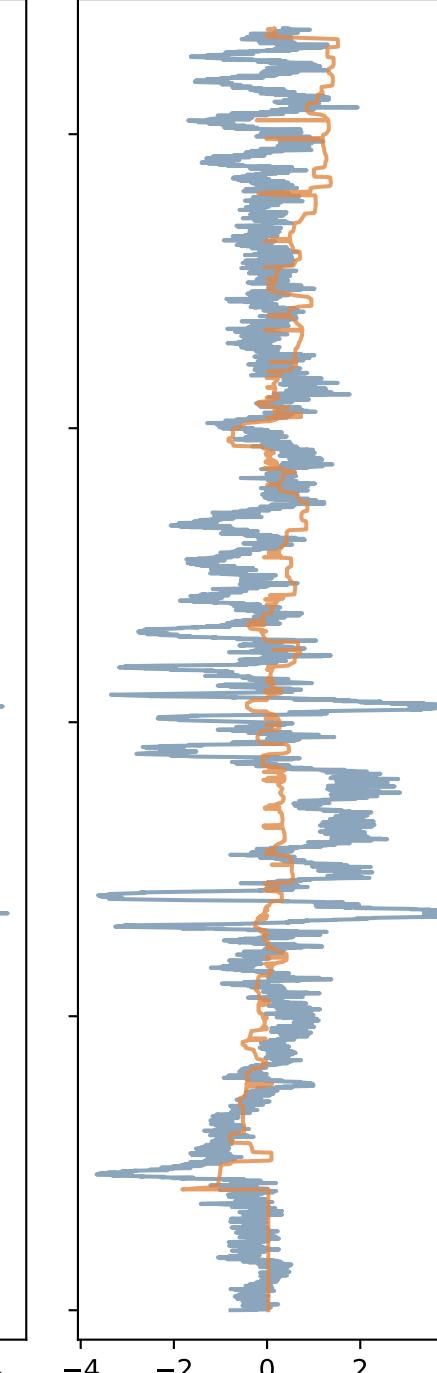
Gamma(gapi)
RPM(rpm)

Correlation
 $r = -0.0305$



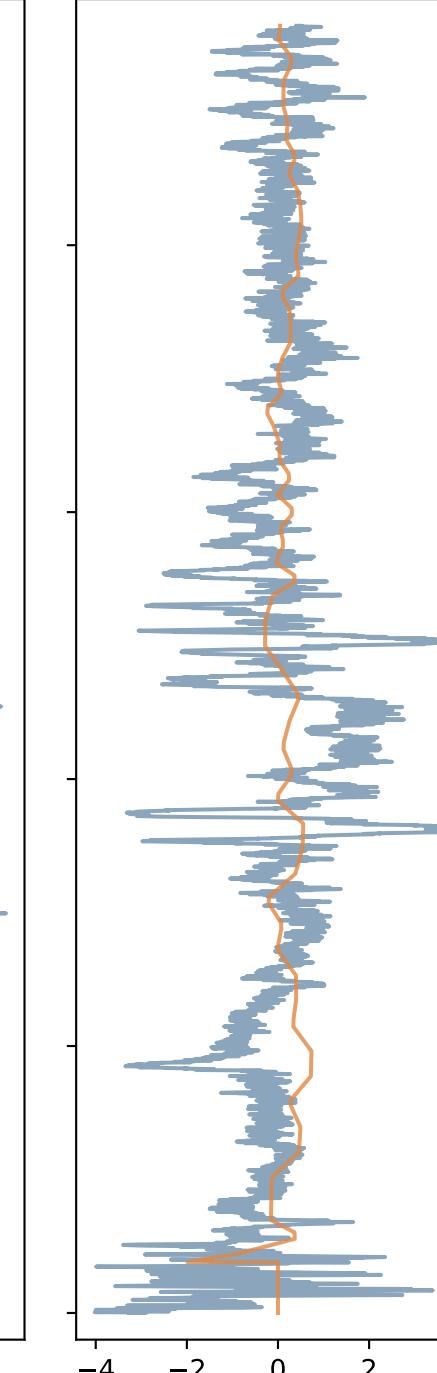
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.0844$



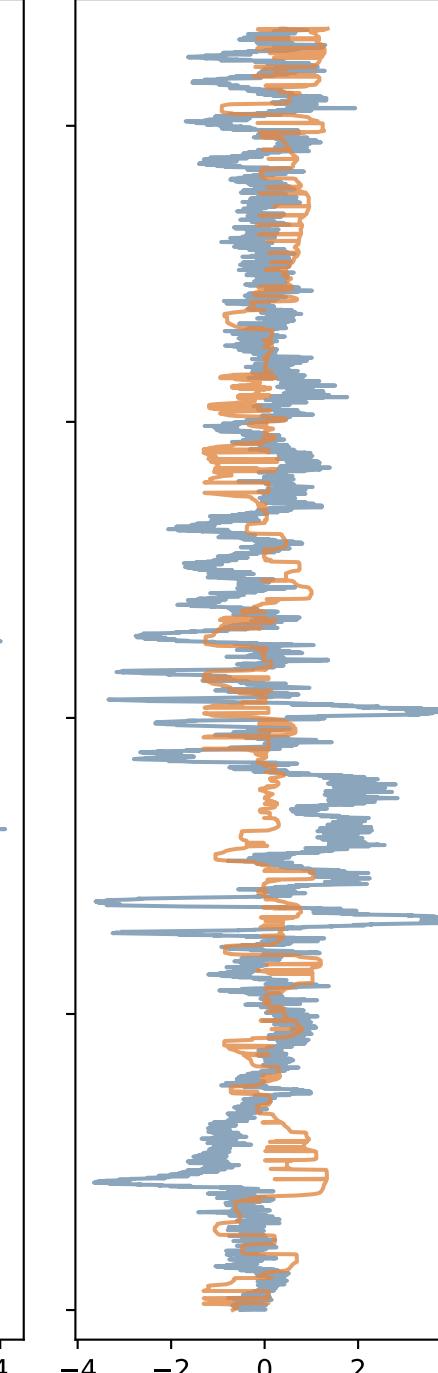
Gamma(gapi)
INC(deg)

Correlation
 $r = -0.093$



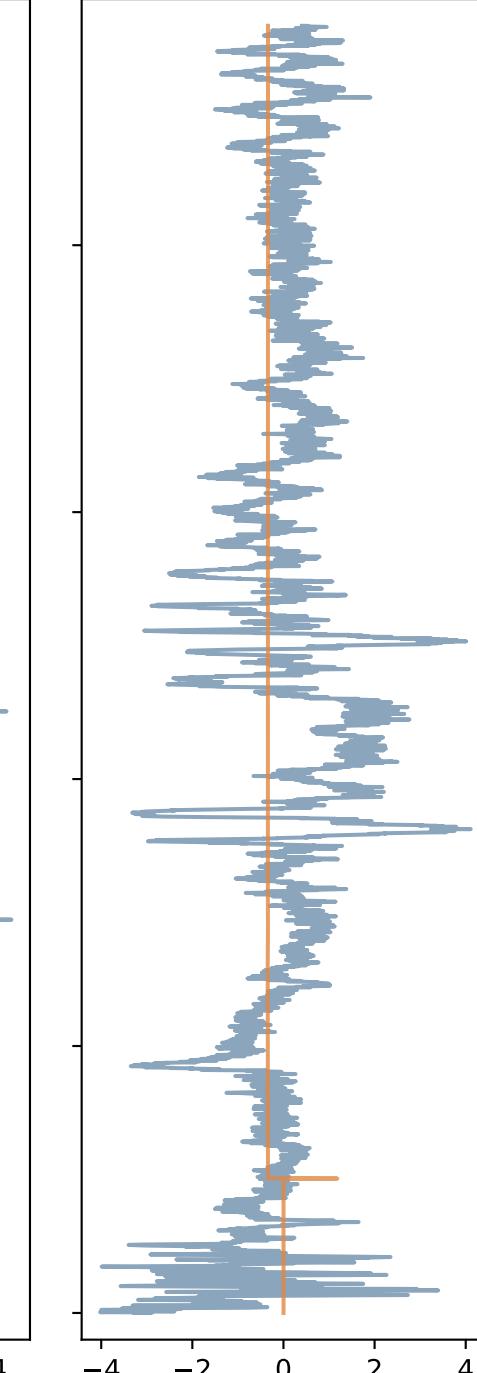
Gamma(gapi)
DIFP(psi)

Correlation
 $r = -0.1624$



Gamma(gapi)
BIT(in)

Correlation
 $r = -0.2162$

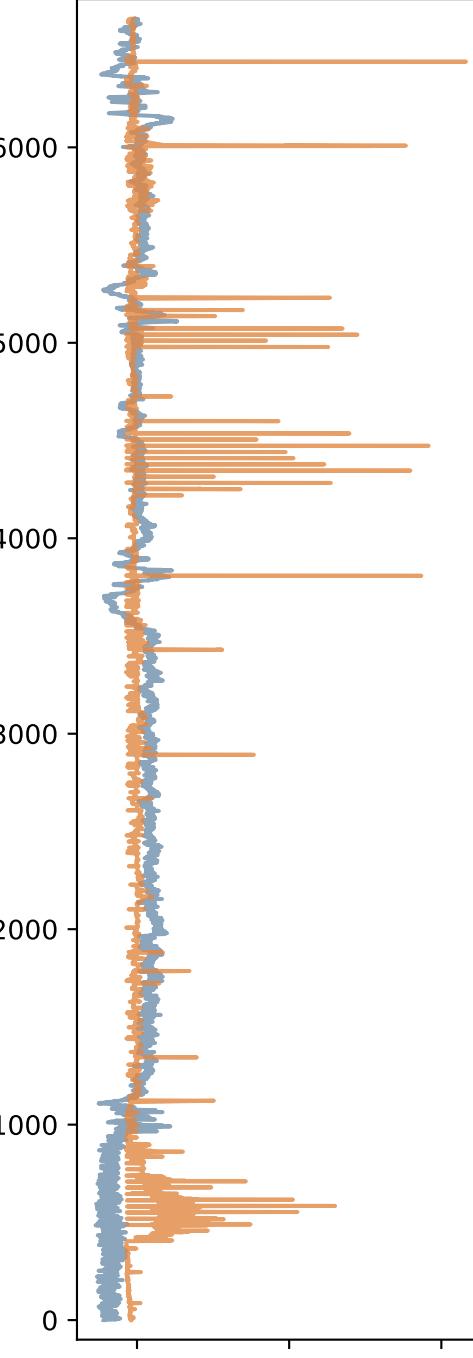


DEPTH(ft)

Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS

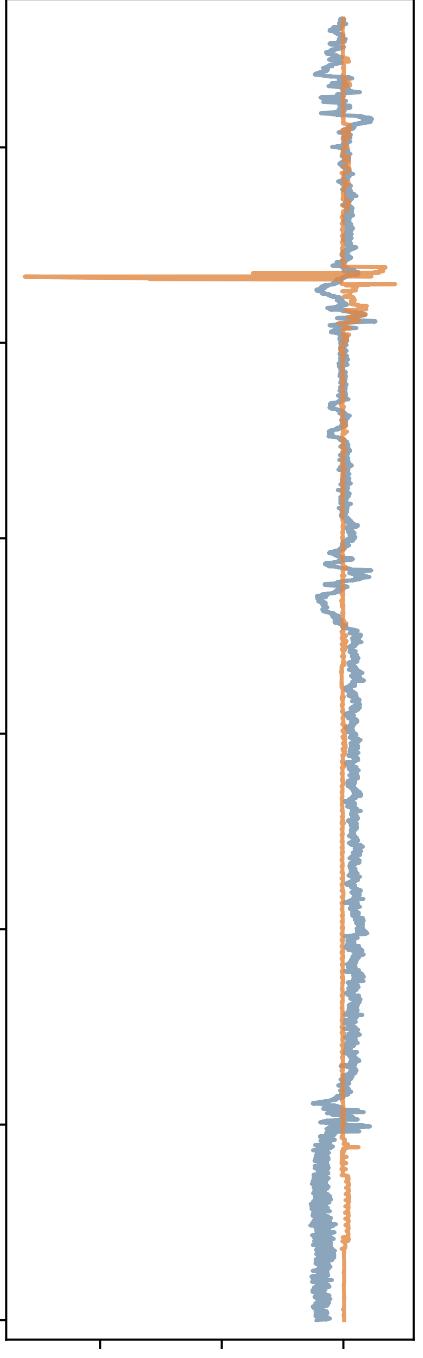
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.216$



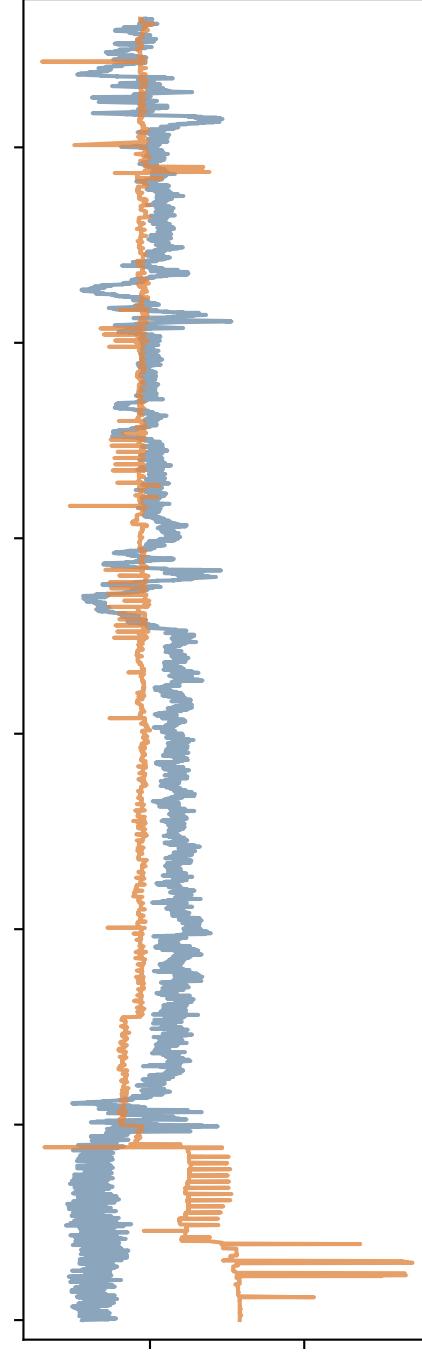
Gamma(gapi)
WOB(klbs)

Correlation
 $r = -0.3684$



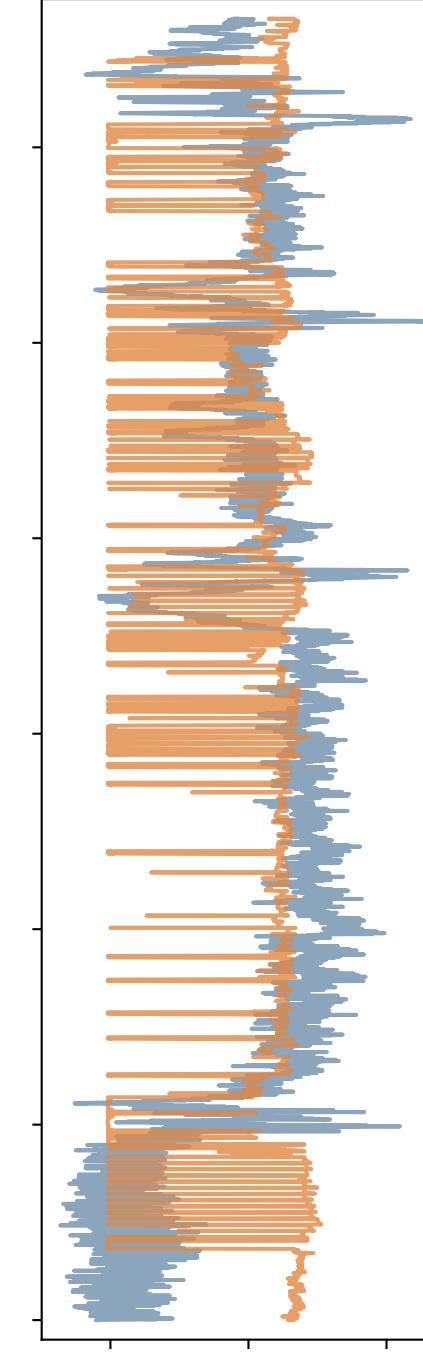
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.3601$



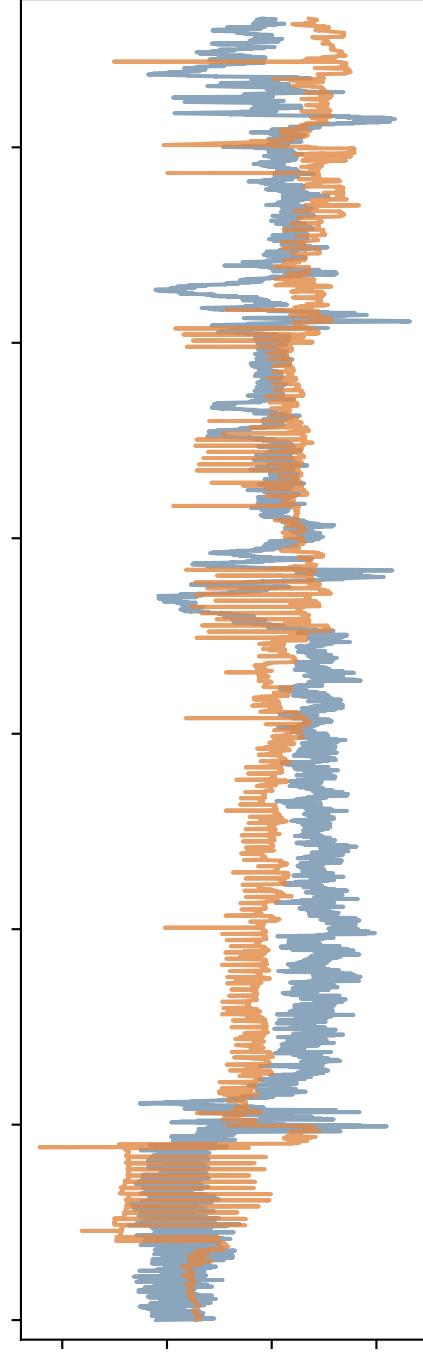
Gamma(gapi)
RPM(rpm)

Correlation
 $r = -0.1946$



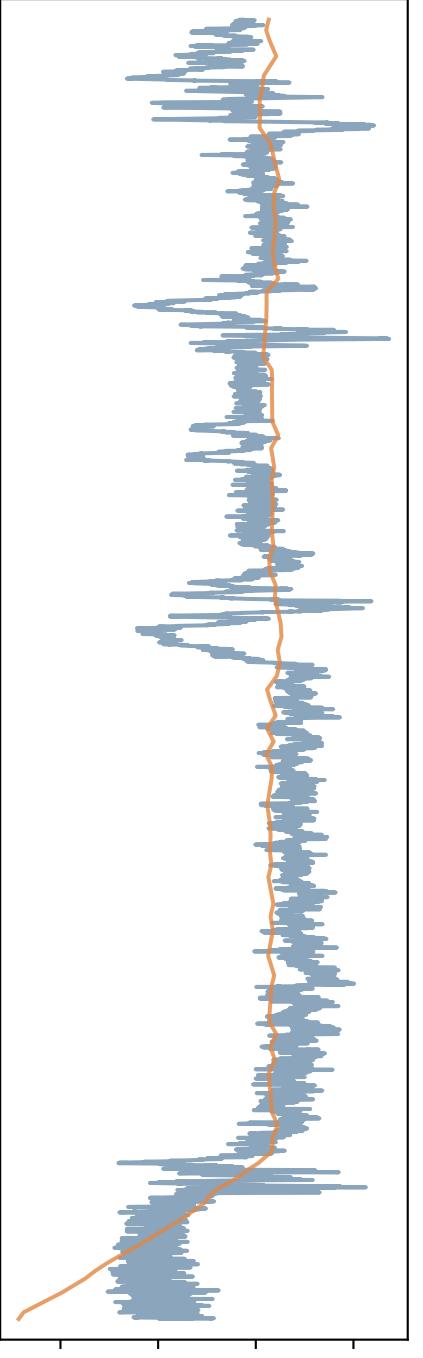
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.0311$



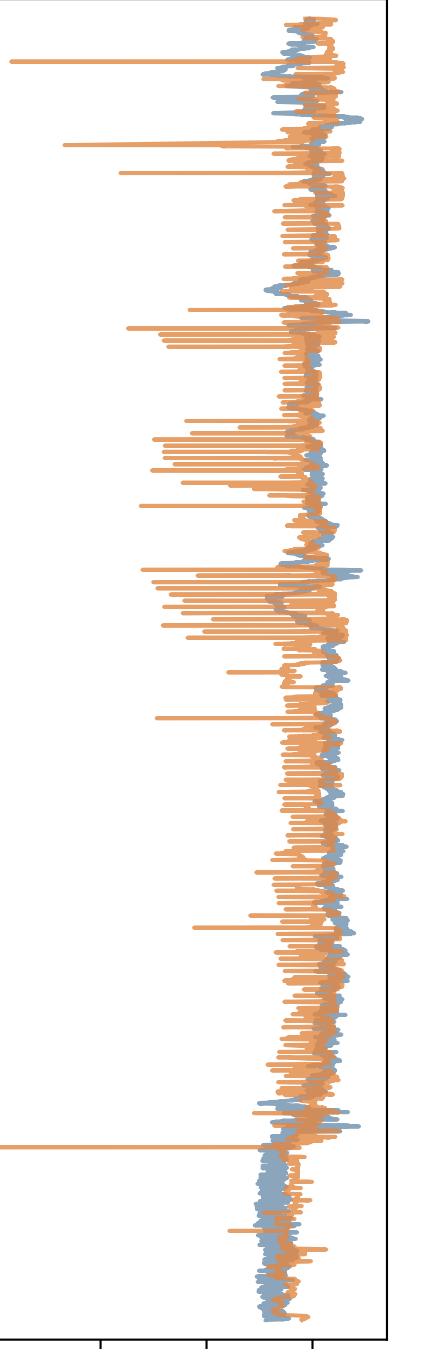
Gamma(gapi)
INC(deg)

Correlation
 $r = 0.2261$



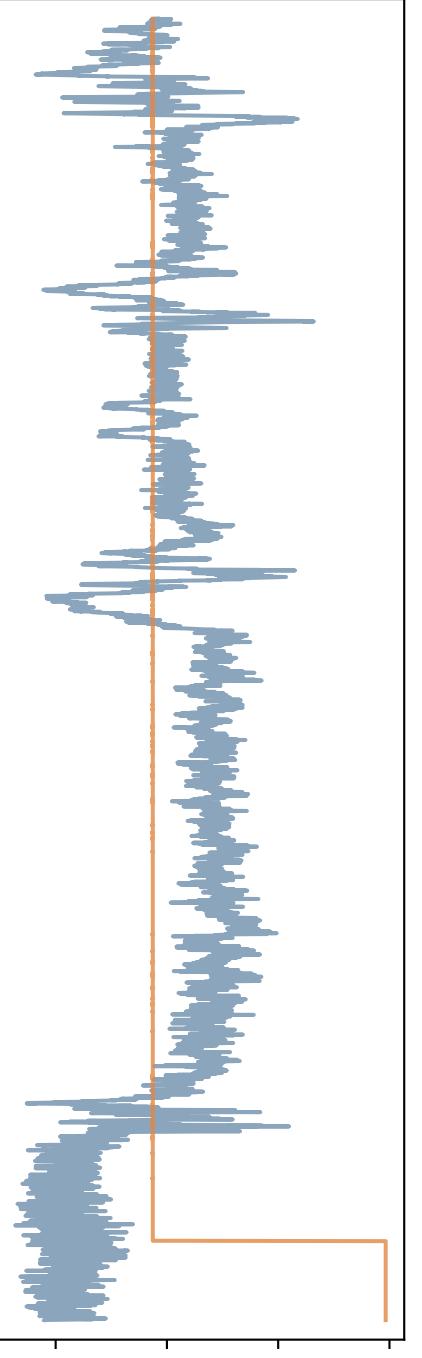
Gamma(gapi)
DIFP(psi)

Correlation
 $r = 0.3478$



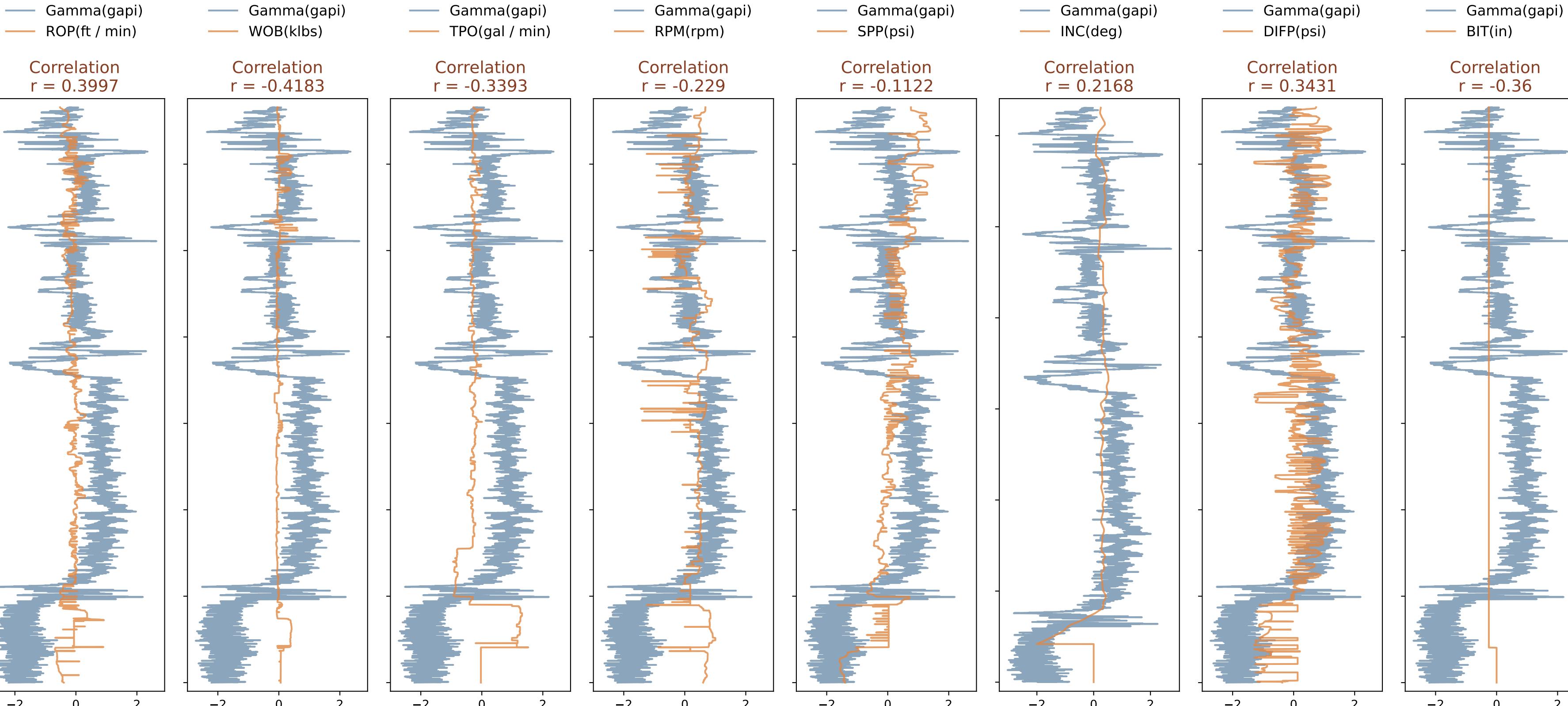
Gamma(gapi)
BIT(in)

Correlation
 $r = -0.2891$

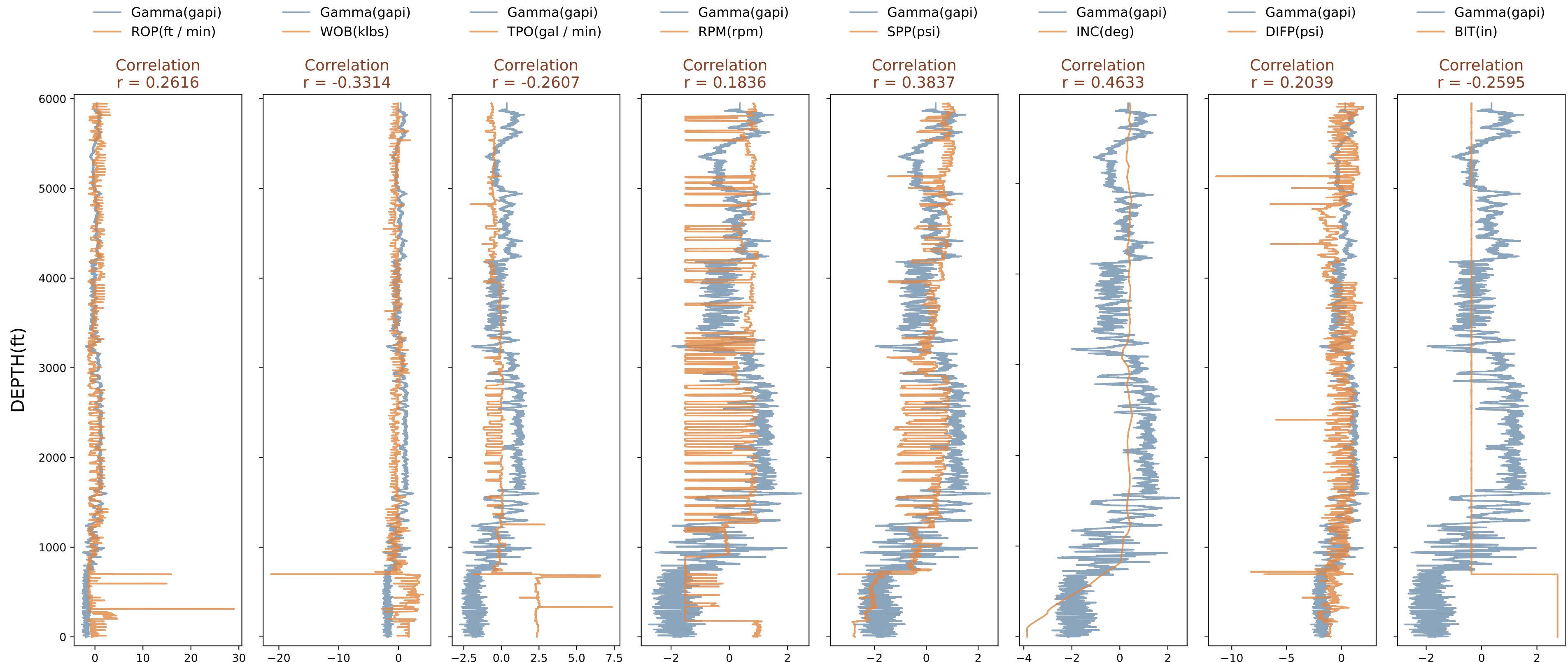


DEPTH(ft)

Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

Gamma(gapi)
ROP(ft / min)

Gamma(gapi)
WOB(klbs)

Gamma(gapi)
TPO(gal / min)

Gamma(gapi)
RPM(rpm)

Gamma(gapi)
SPP(psi)

Gamma(gapi)
INC(deg)

Gamma(gapi)
DIFP(psi)

Gamma(gapi)
BIT(in)

Correlation
 $r = 0.3869$

Correlation
 $r = -0.3178$

Correlation
 $r = -0.1053$

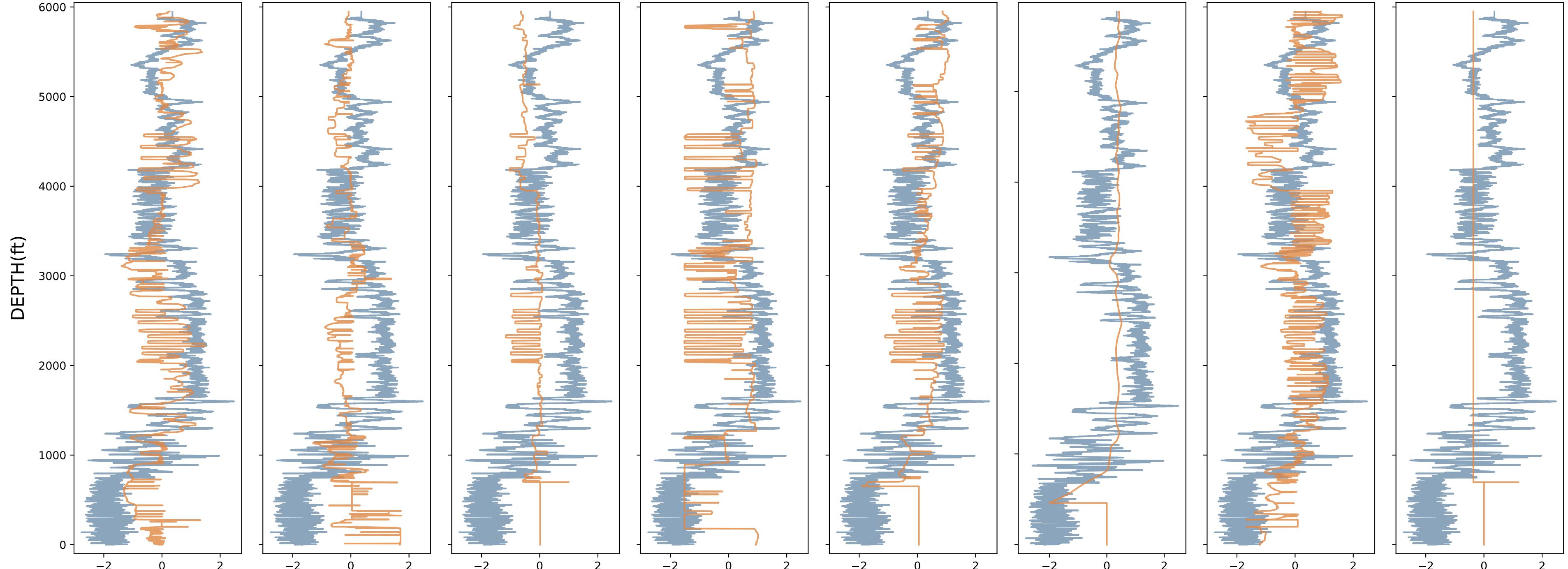
Correlation
 $r = 0.2162$

Correlation
 $r = 0.2864$

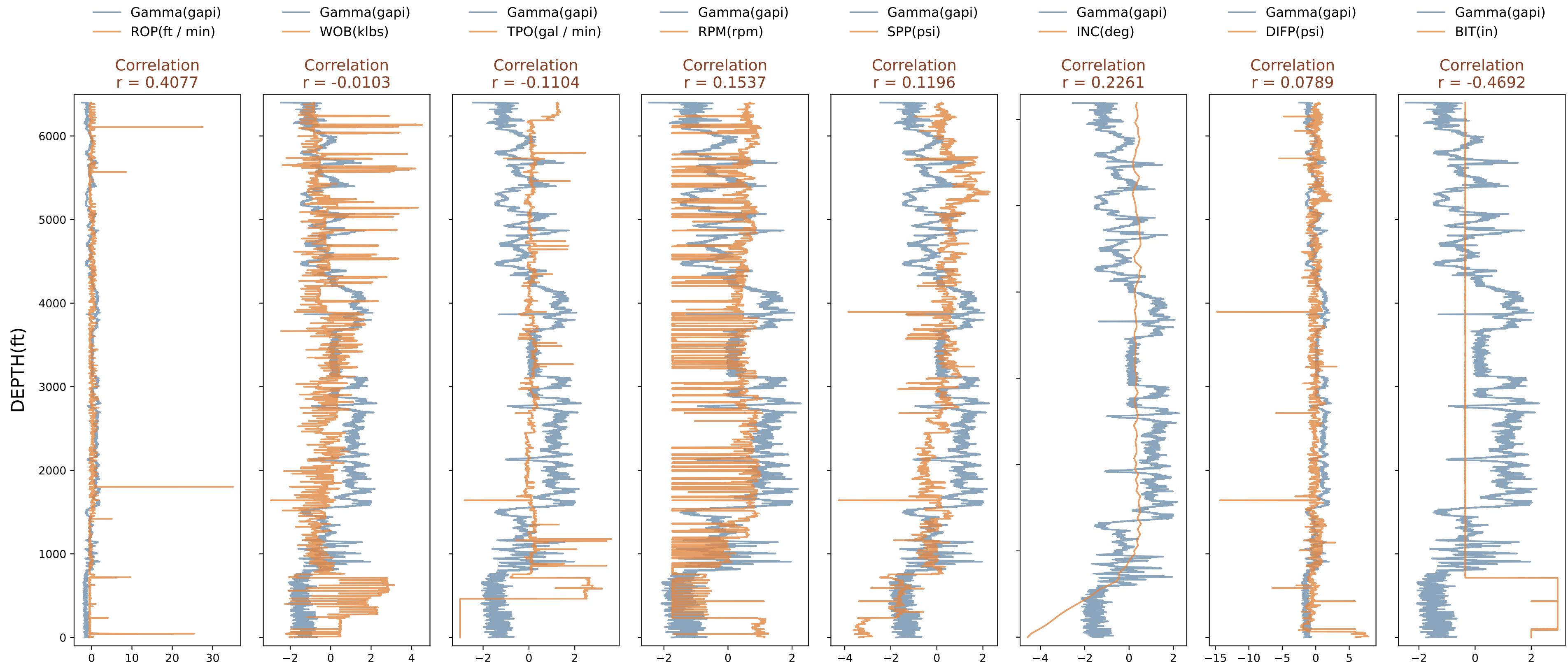
Correlation
 $r = 0.4611$

Correlation
 $r = 0.2313$

Correlation
 $r = -0.2106$



Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.5276$

Gamma(gapi)
WOB(klbs)

Correlation
 $r = 0.1268$

Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.0948$

Gamma(gapi)
RPM(rpm)

Correlation
 $r = 0.1796$

Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.0296$

Gamma(gapi)
INC(deg)

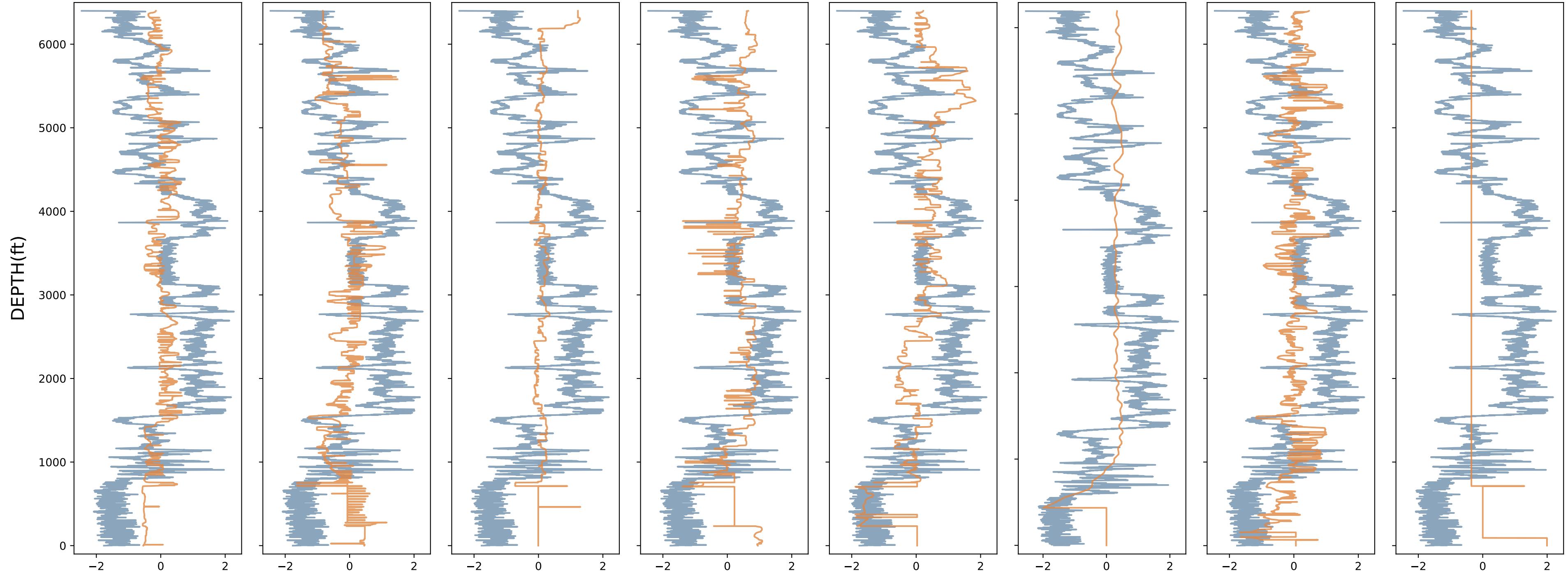
Correlation
 $r = 0.2112$

Gamma(gapi)
DIFP(psi)

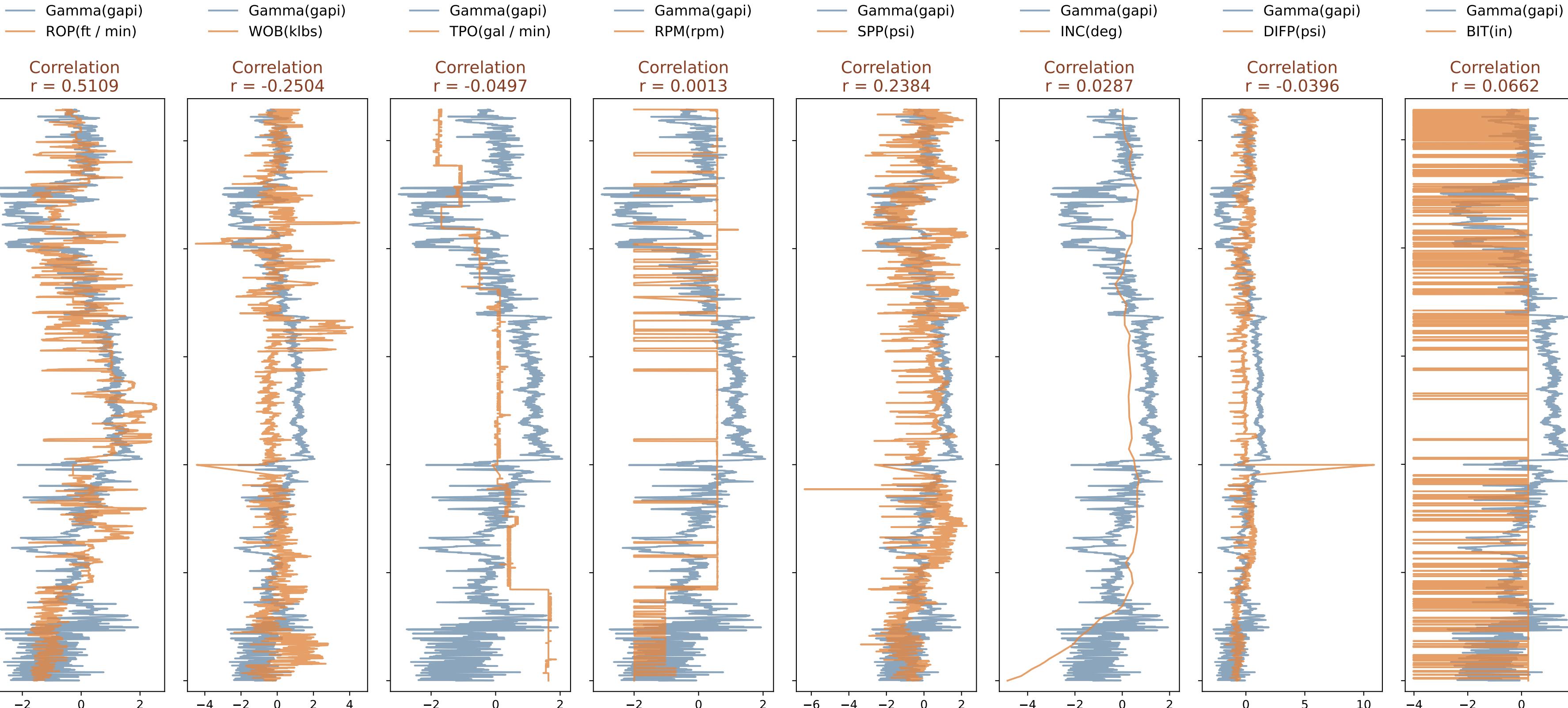
Correlation
 $r = 0.1004$

Gamma(gapi)
BIT(in)

Correlation
 $r = -0.5046$



Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.5395$

Gamma(gapi)
WOB(klbs)

Correlation
 $r = -0.4446$

Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.0552$

Gamma(gapi)
RPM(rpm)

Correlation
 $r = -0.0251$

Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.2939$

Gamma(gapi)
INC(deg)

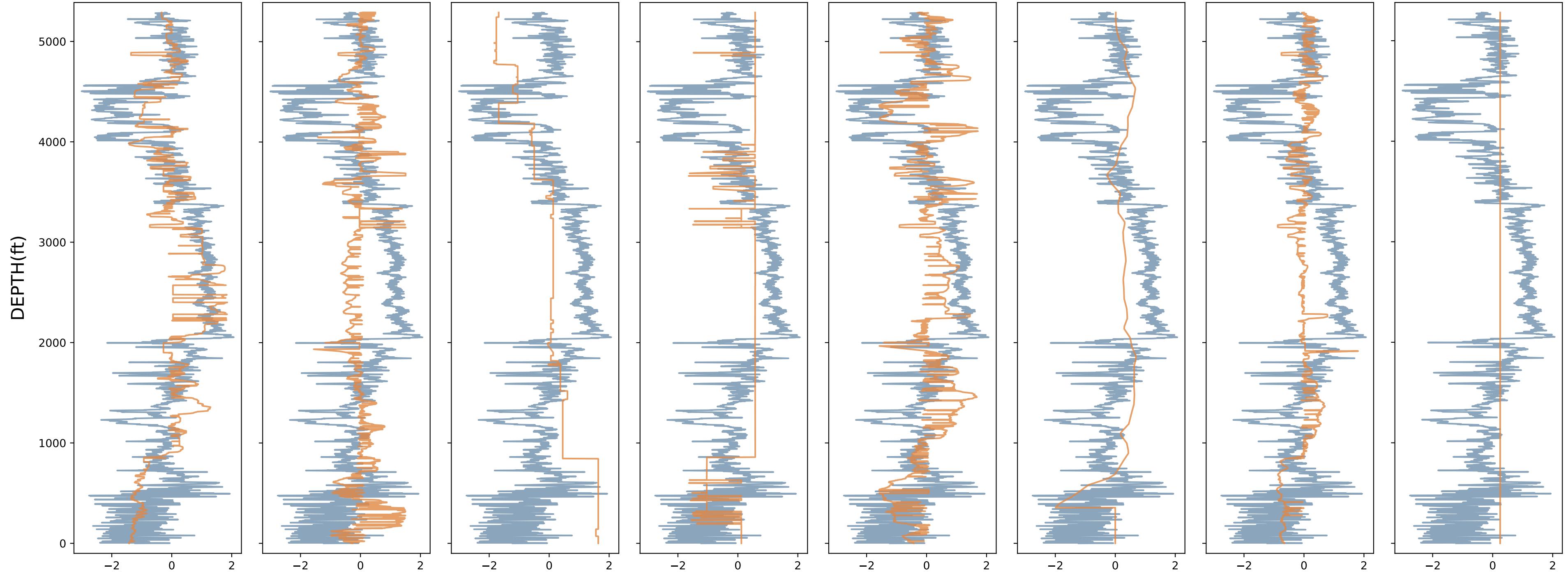
Correlation
 $r = 0.0033$

Gamma(gapi)
DIFP(psi)

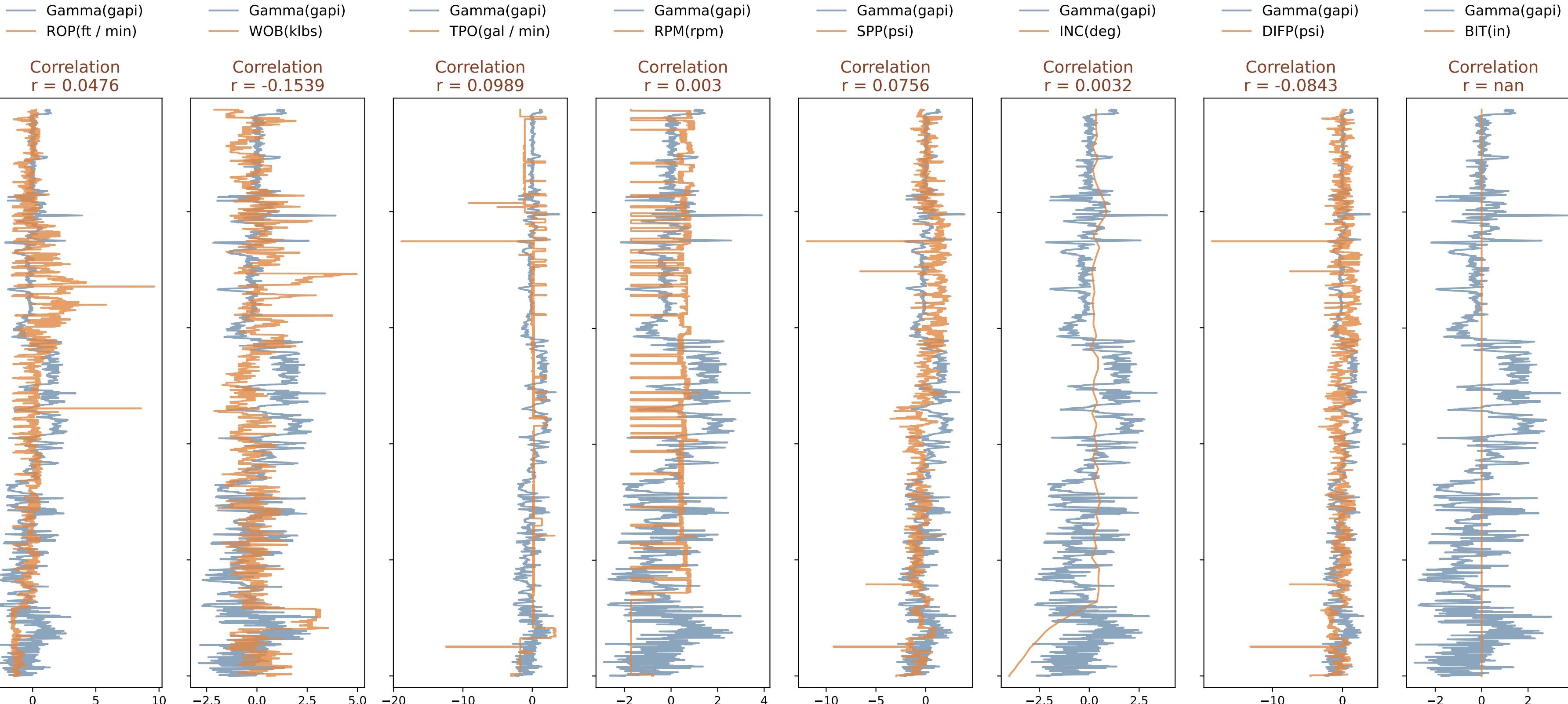
Correlation
 $r = -0.0814$

Gamma(gapi)
BIT(in)

Correlation
 $r = \text{nan}$



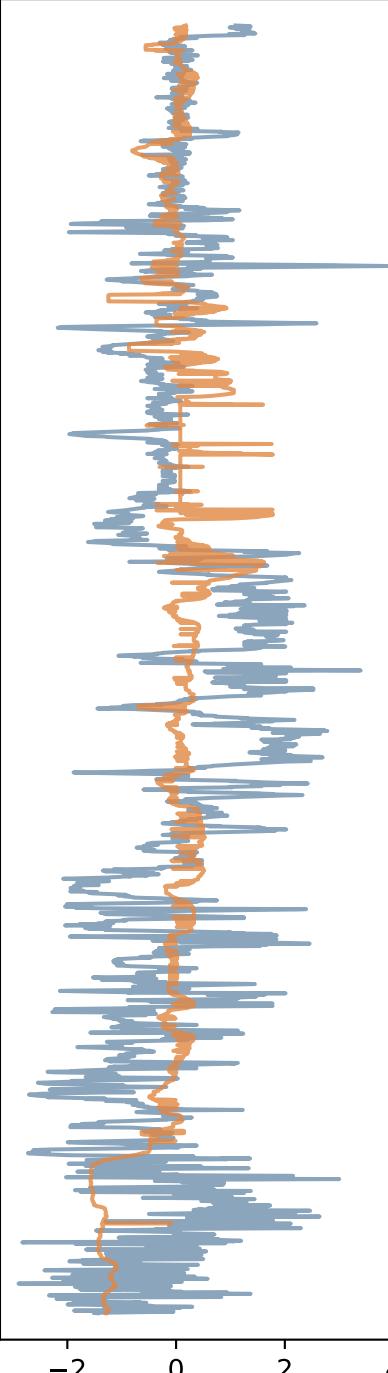
Relationships between Gamma and other features - No despiking CWE_BlakeCollierState25281H_MDS



Relationships between Gamma and other features - Despiked (2std outliers and moving median: 25 ft, 25%)
CWE_BlakeCollierState25281H_MDS

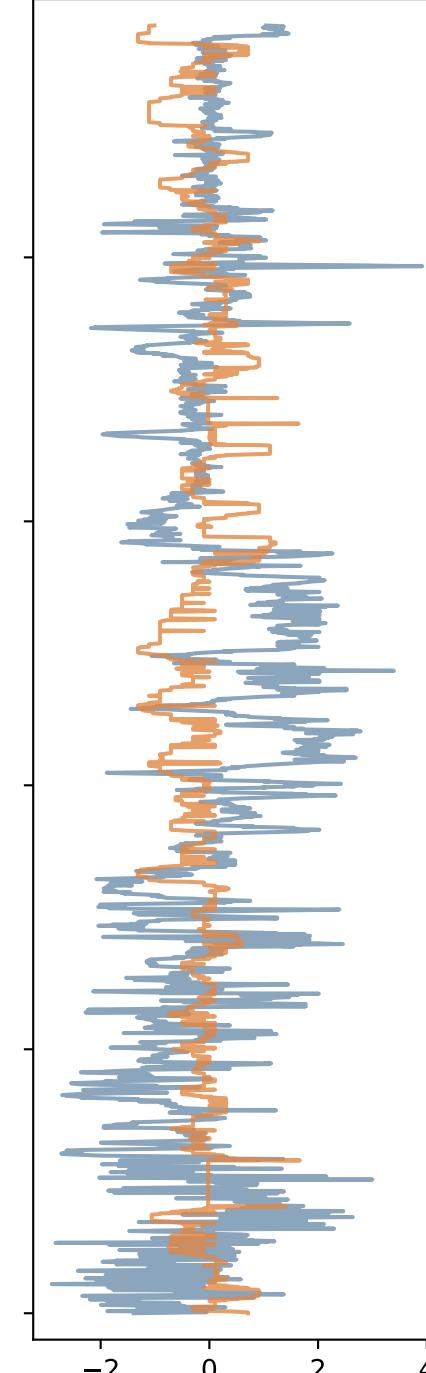
Gamma(gapi)
ROP(ft / min)

Correlation
 $r = 0.1835$



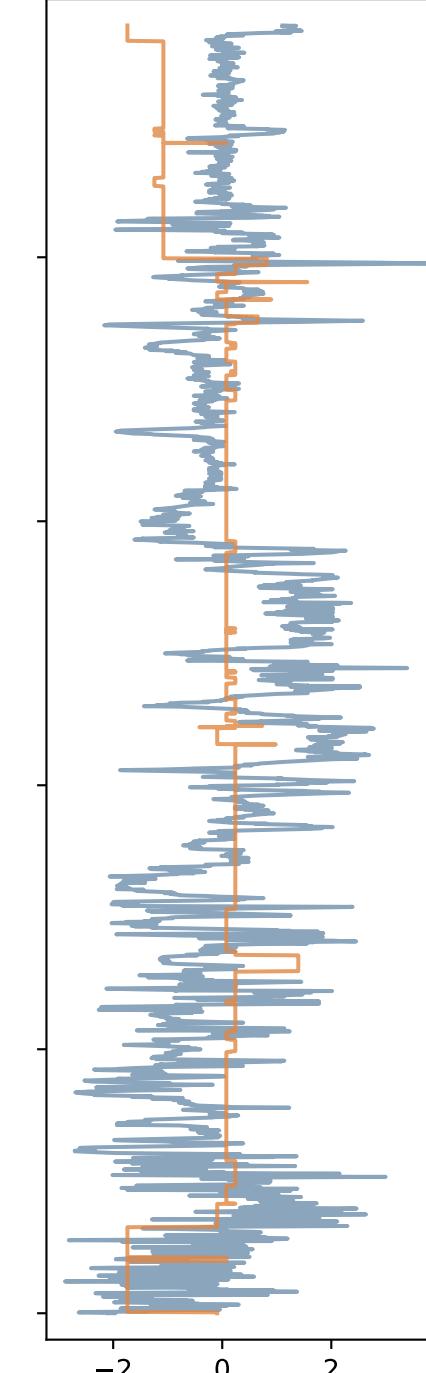
Gamma(gapi)
WOB(klbs)

Correlation
 $r = -0.2565$



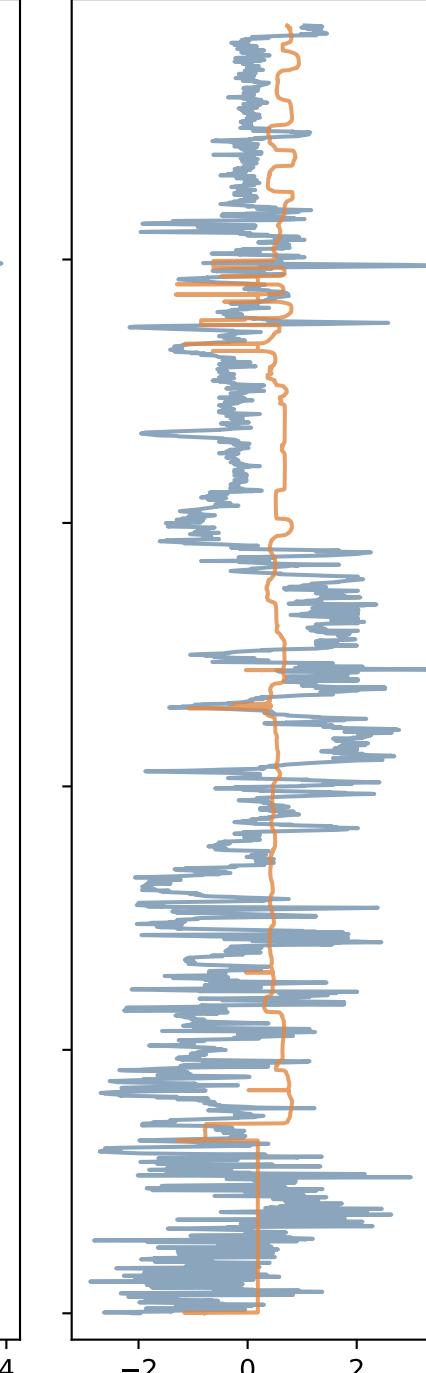
Gamma(gapi)
TPO(gal / min)

Correlation
 $r = -0.0423$



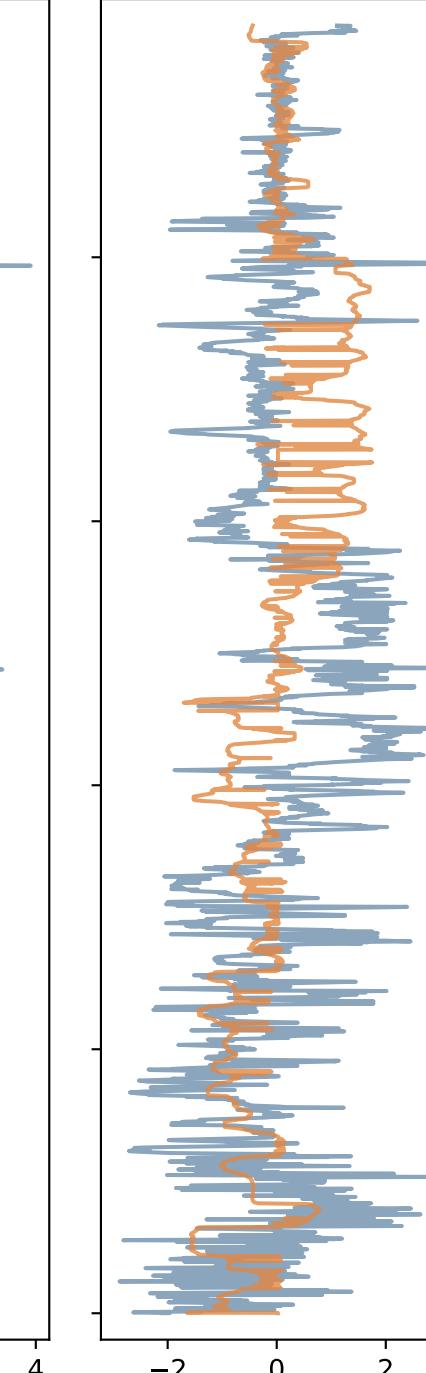
Gamma(gapi)
RPM(rpm)

Correlation
 $r = -0.0127$



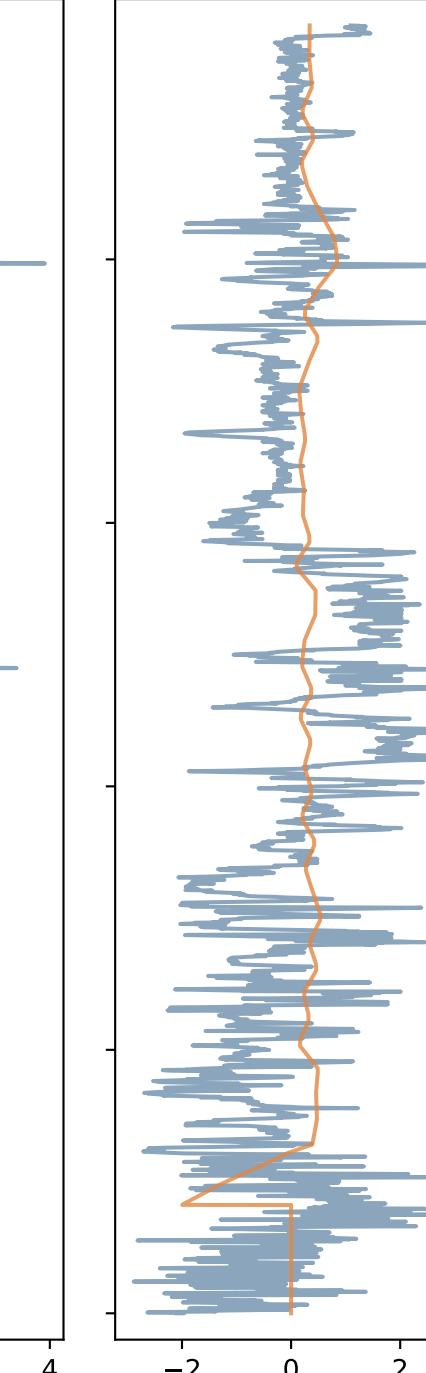
Gamma(gapi)
SPP(psi)

Correlation
 $r = 0.0854$



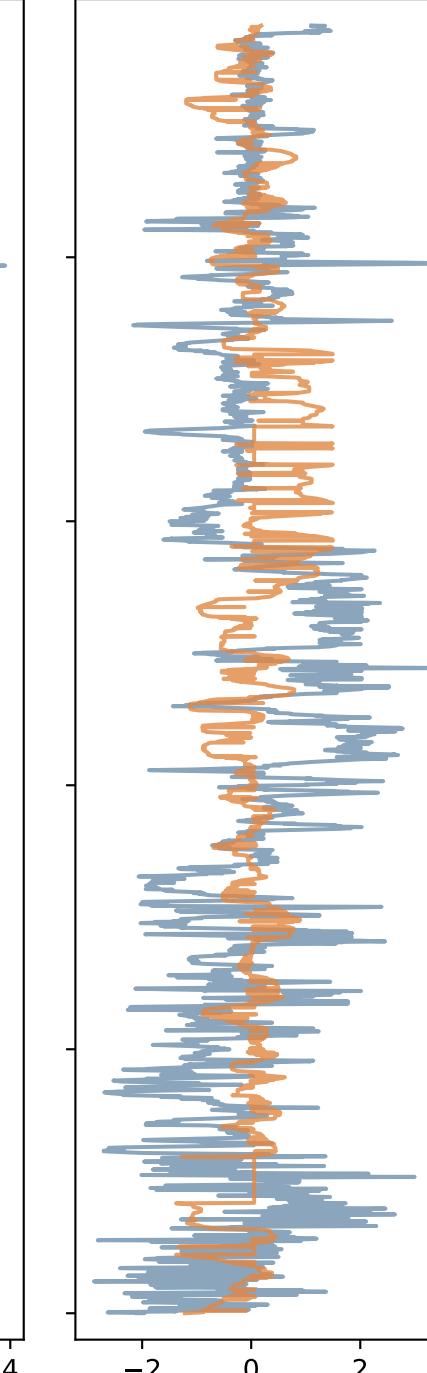
Gamma(gapi)
INC(deg)

Correlation
 $r = -0.0029$



Gamma(gapi)
DIFP(psi)

Correlation
 $r = -0.0836$



Gamma(gapi)
BIT(in)

Correlation
 $r = \text{nan}$

