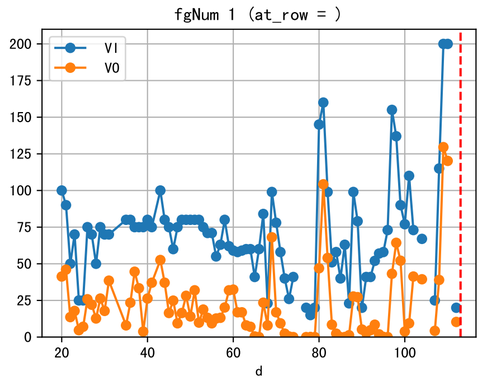
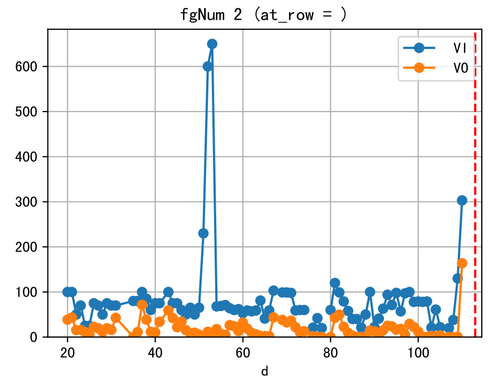
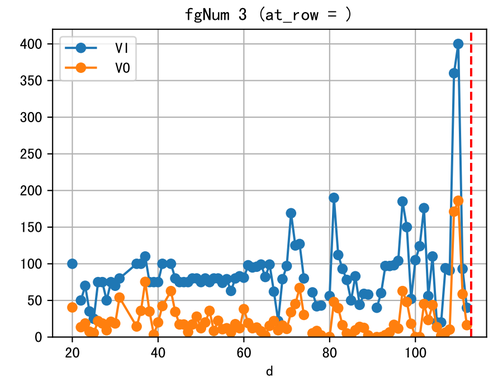
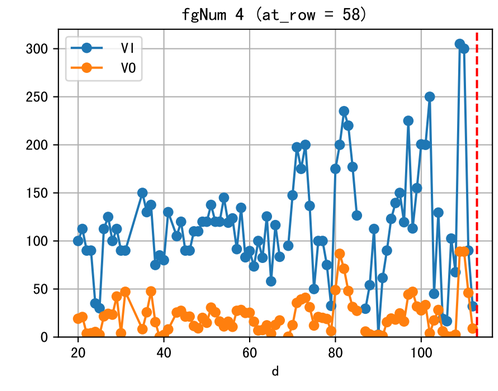
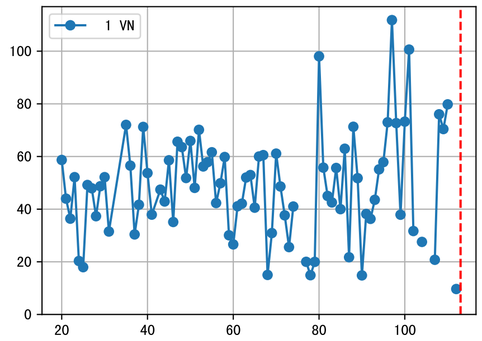
FgArea: ['4']
NJ15 L1
2026-01-27 (Day 113)

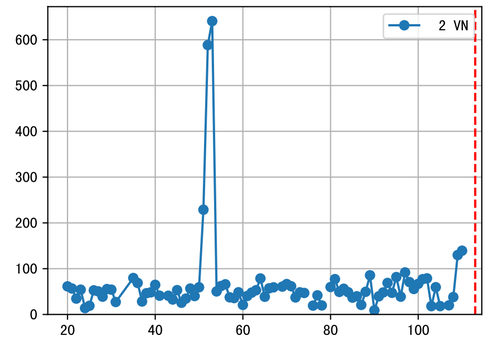

fgNum 1 (at_row =)
VI
VO
d

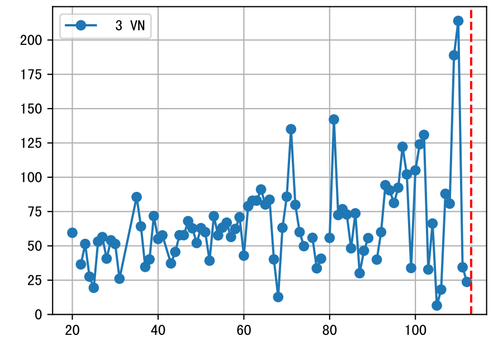

fgNum 2 (at_row =)
VI
VO
d

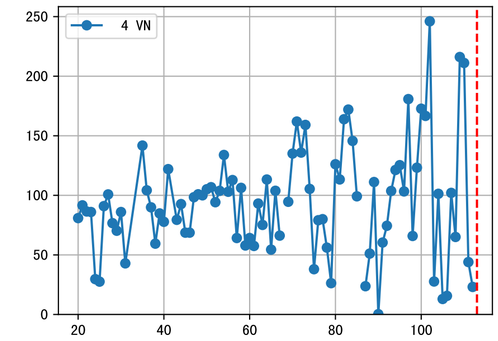

fgNum 3 (at_row =)
VI
VO
d

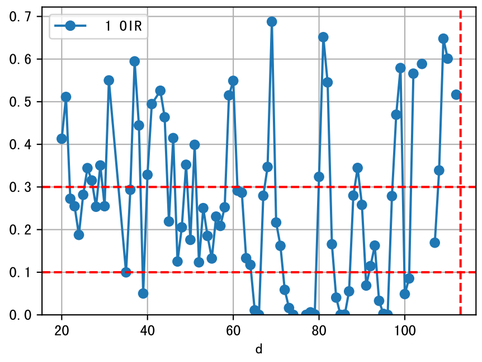

fgNum 4 (at_row = 58)
VI
VO
d

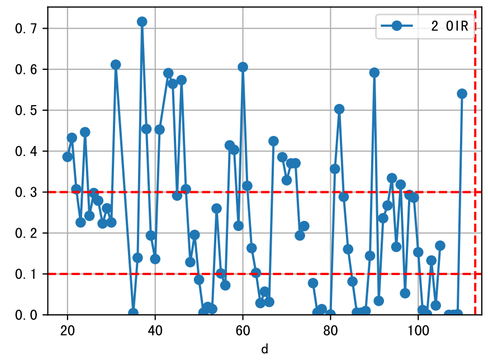

1 VN
d

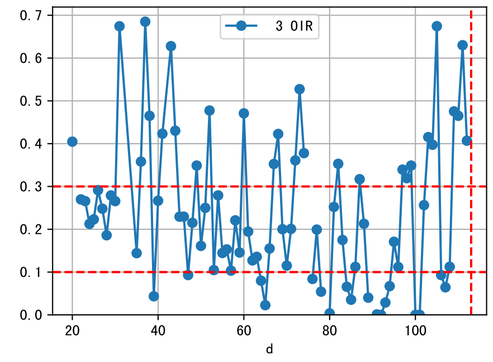

2 VN
d

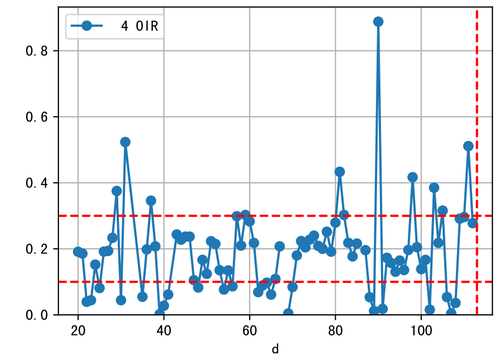

3 VN
d

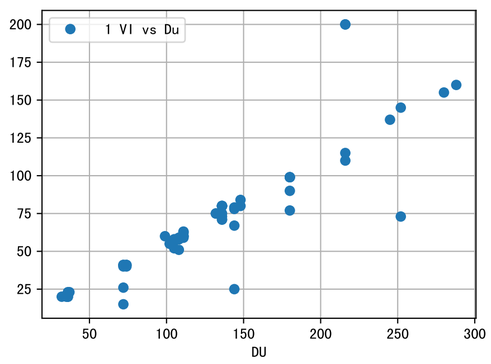

4 VN
d

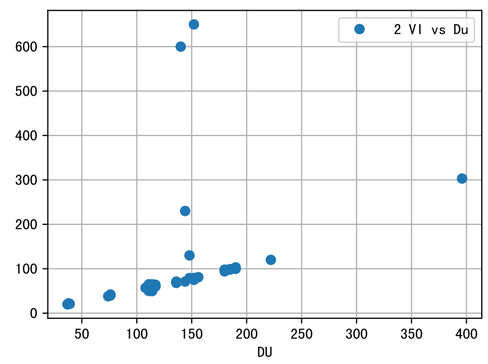

1 OIR
d

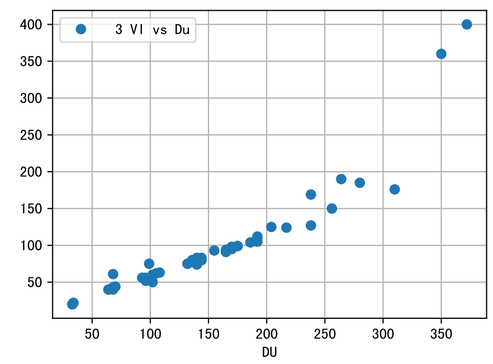

2 OIR
d

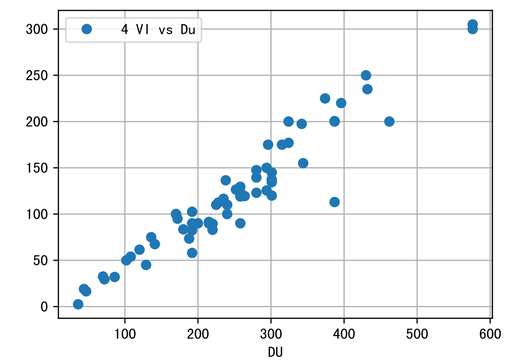

3 OIR
d

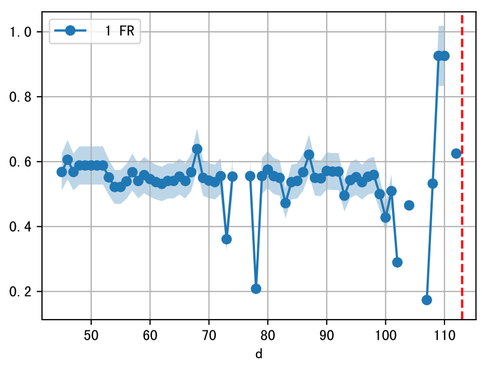

4 OIR
d

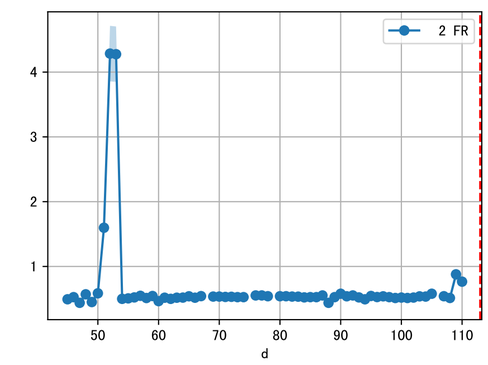

1 VI vs Du
DU

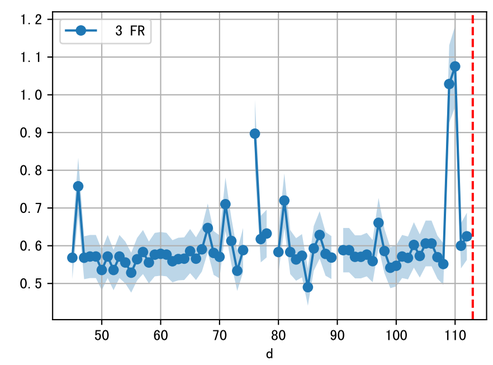

2 VI vs Du
DU

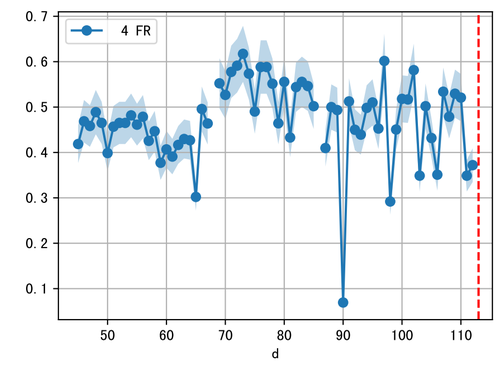

3 VI vs Du
DU

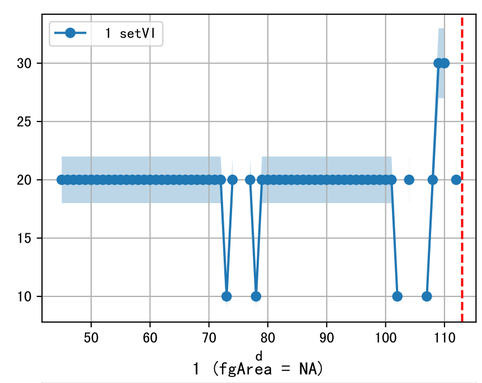

4 VI vs Du
DU

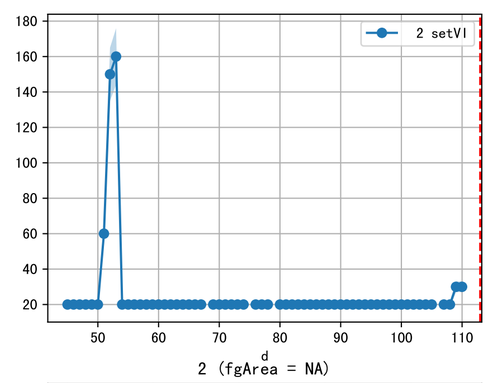

1 FR
d

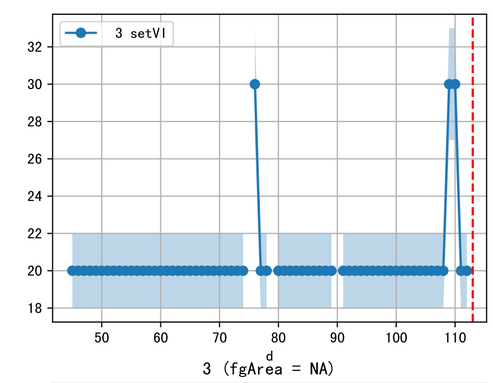

2 FR
d

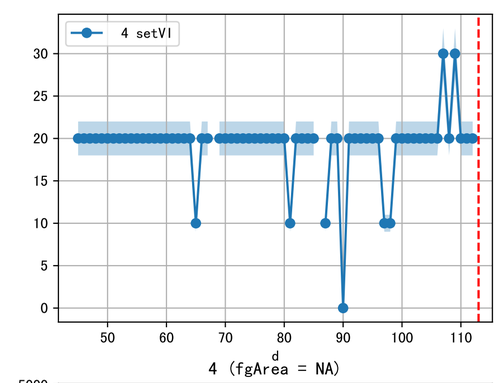

3 FR
d

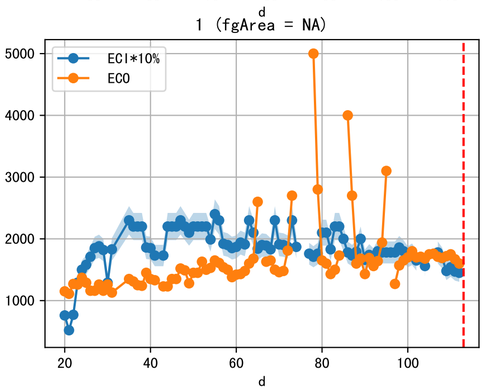

4 FR
d

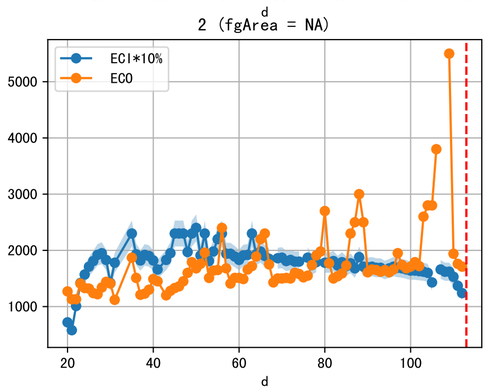

1 setVI
d

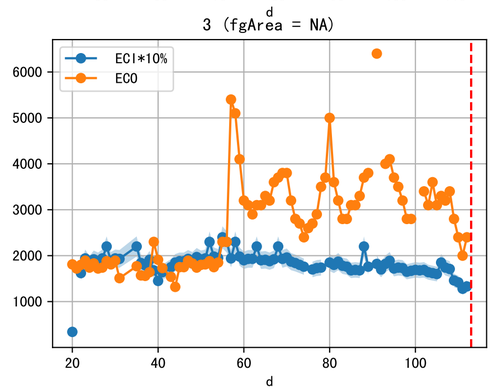

2 setVI
d

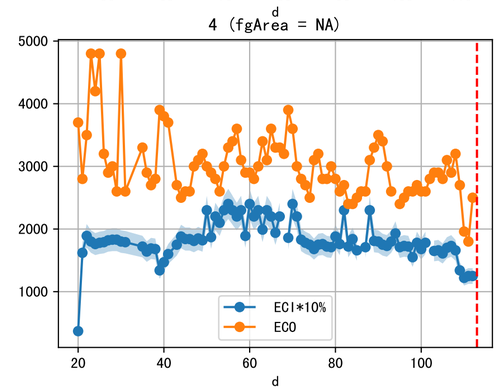

3 setVI
d

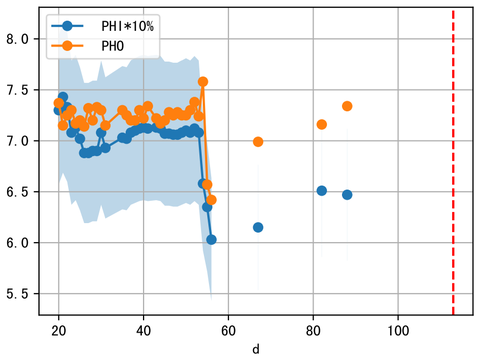
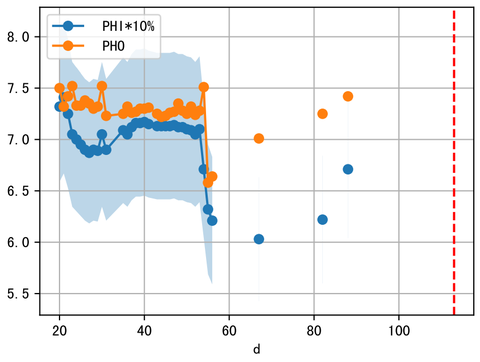
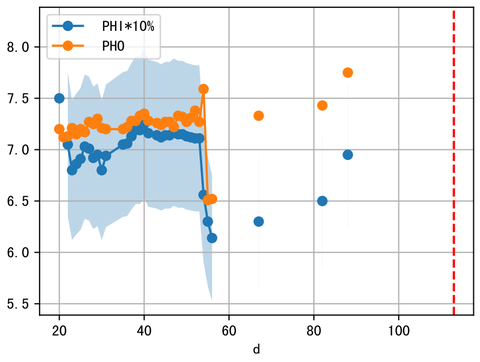
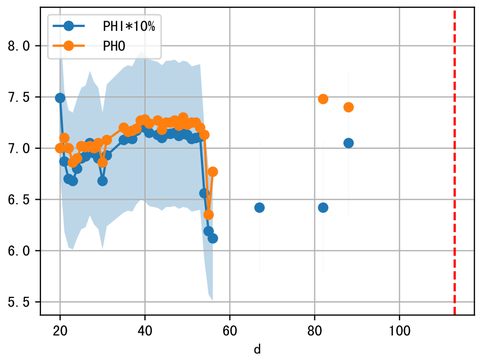

4 setVI
d

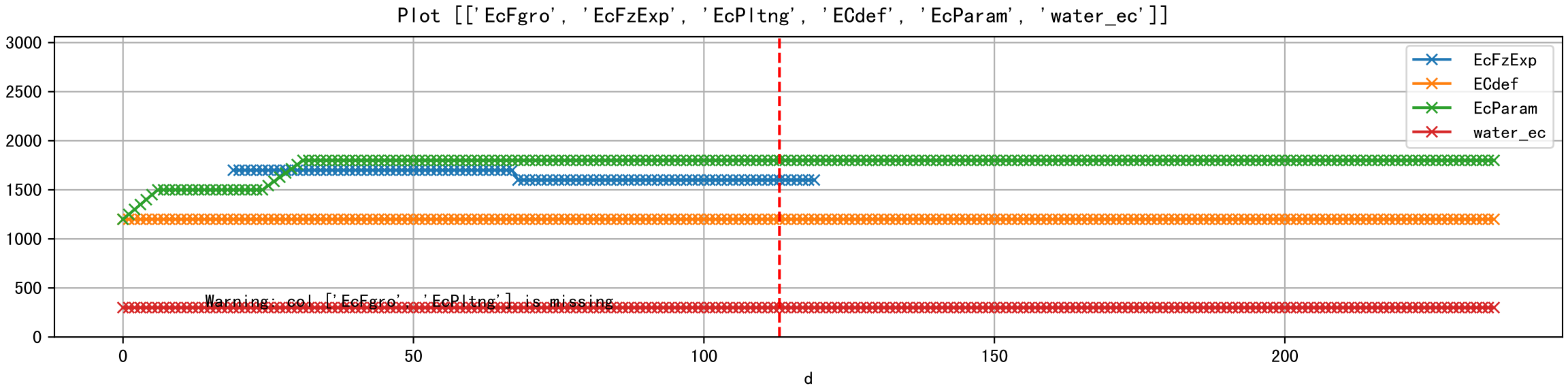

1 (fgArea = NA)
ECI*10%
ECO
d

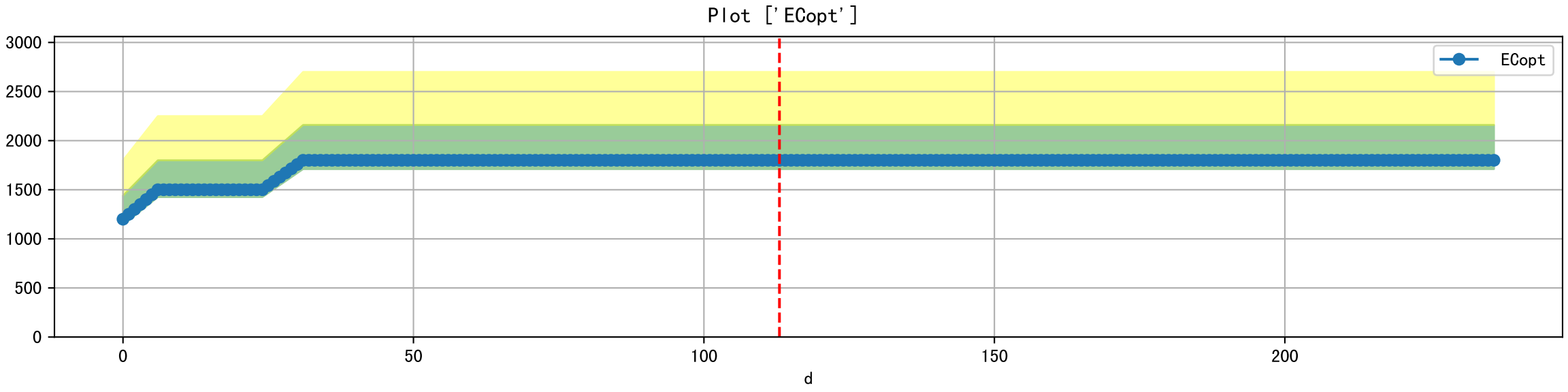

2 (fgArea = NA)
ECI*10%
ECO
d


3 (fgArea = NA)
ECI*10%
ECO
d

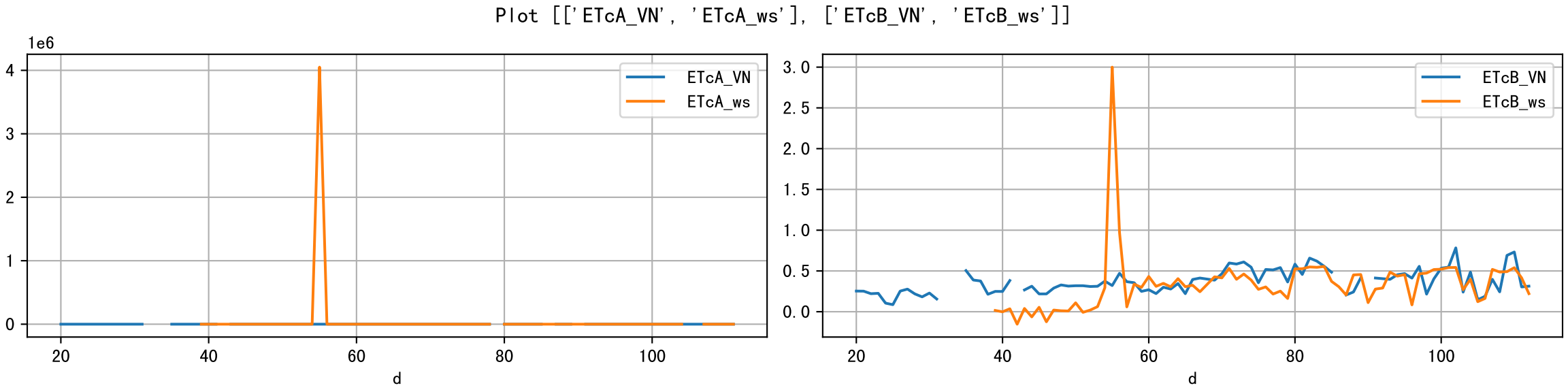

4 (fgArea = NA)
ECI*10%
ECO
d

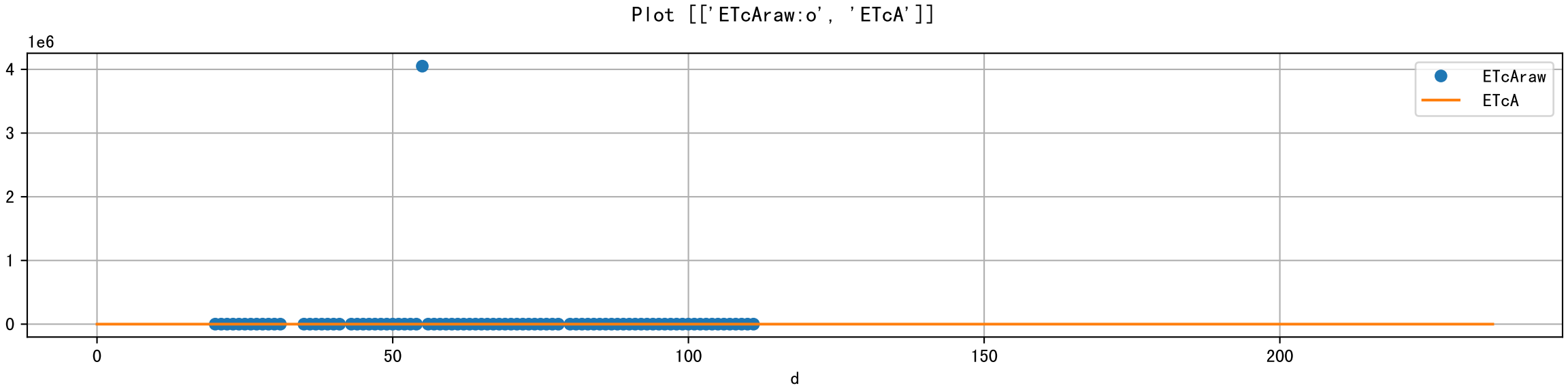

PHI*10%
PH0
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

PHI*10%
PH0
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

PHI*10%
PH0
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

PHI*10%
PH0
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

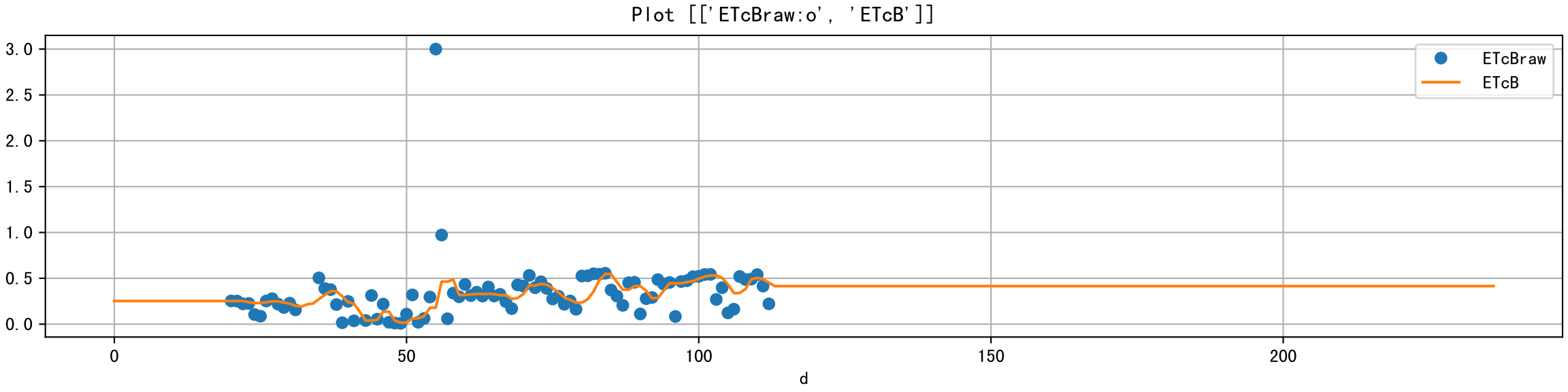

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

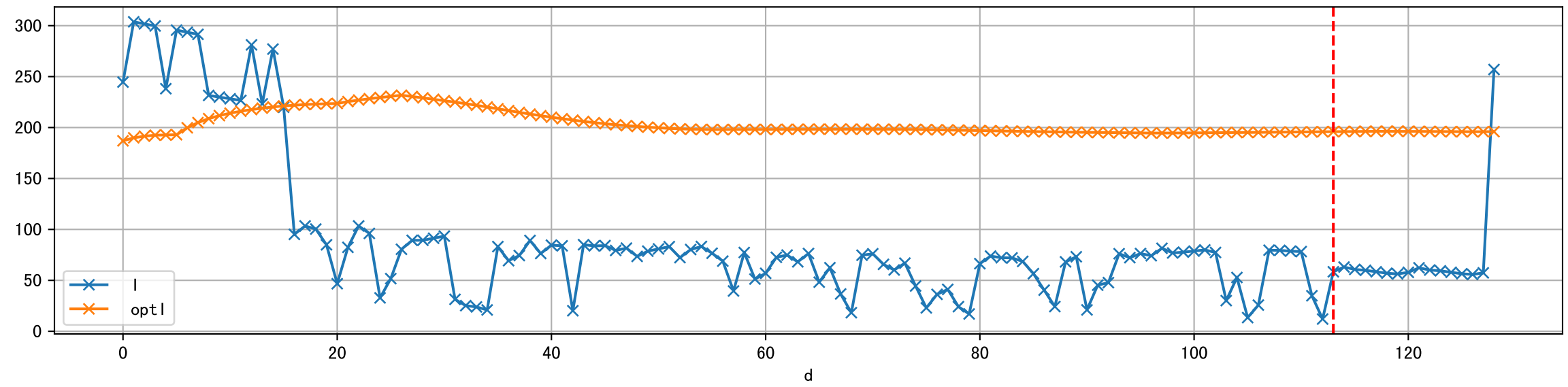
Plot Sensor and FgRec Data

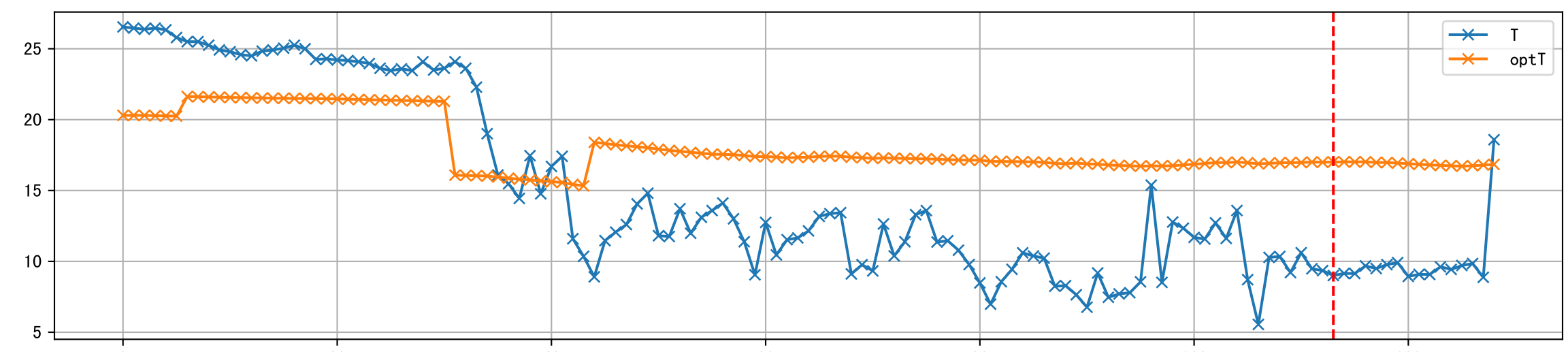

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
1e6
4
3
2
1
0
20
40
60
80
100
d
ETcA_VN
ETcA_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
d
ETcB_VN
ETcB_ws

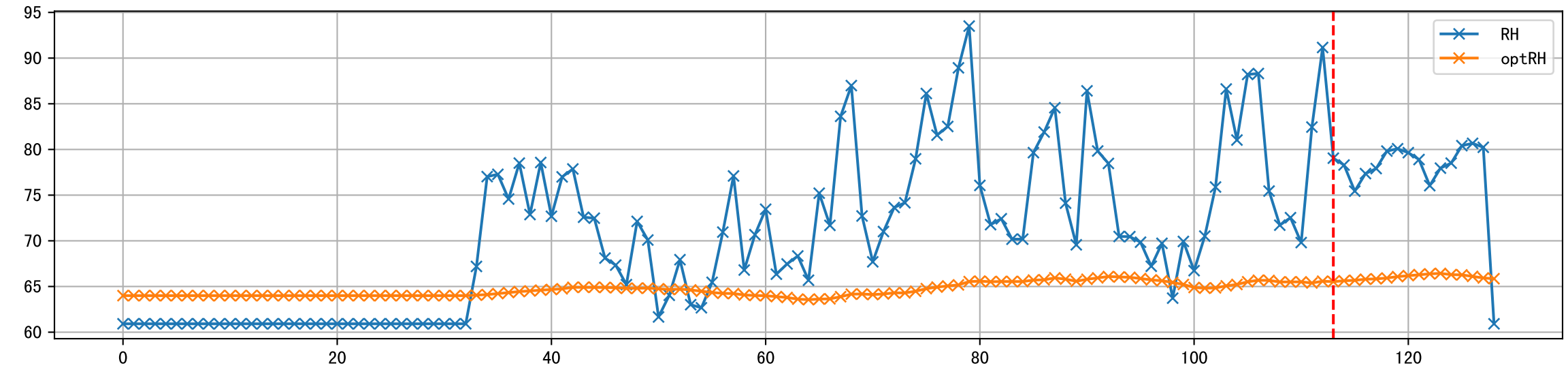

Plot [['ETcAraw:o', 'ETcA']]
1e6
4
3
2
1
0
0
50
100
150
200
d
ETcAraw
ETcA

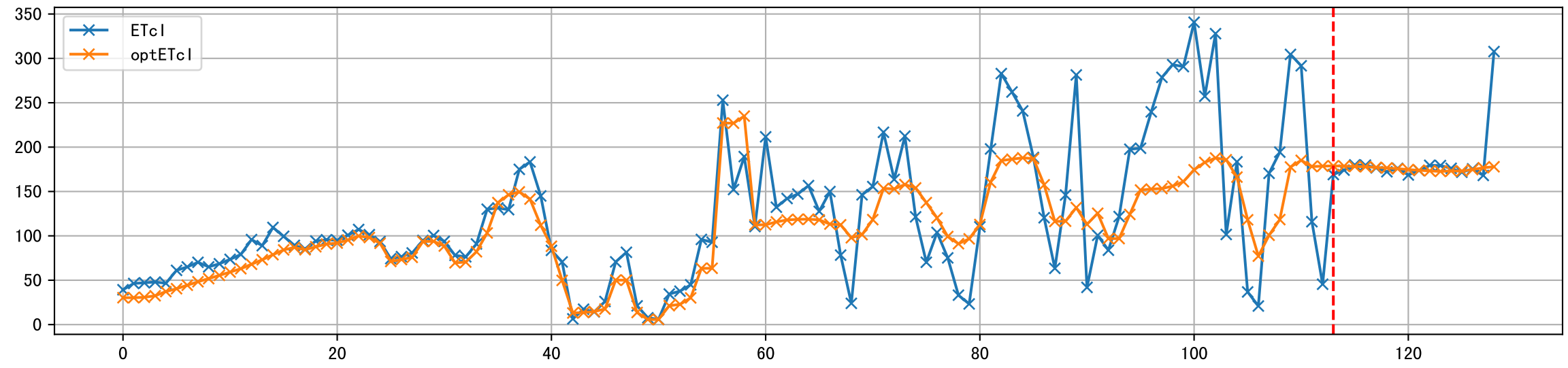

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

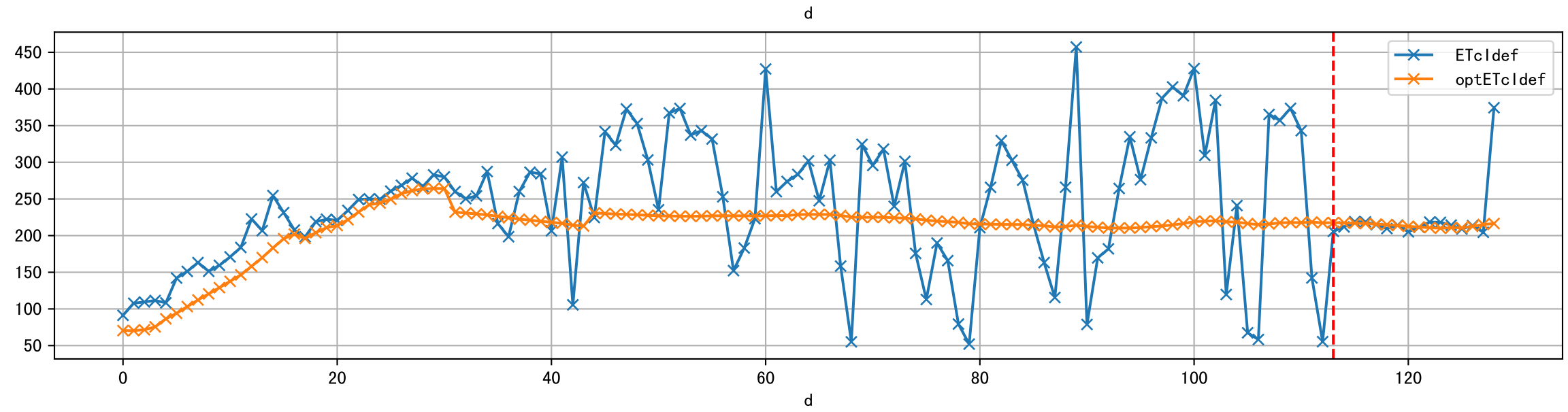
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

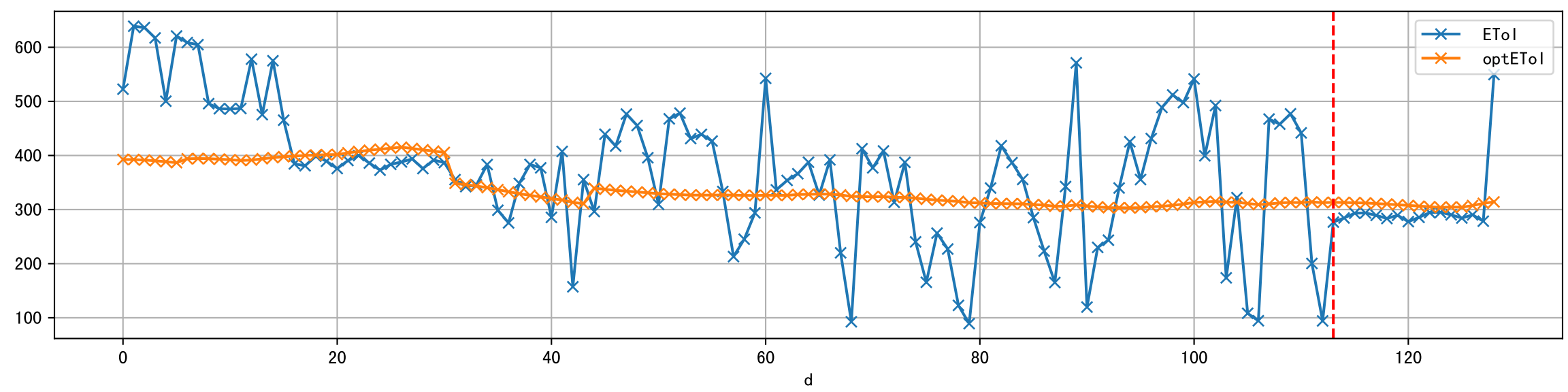


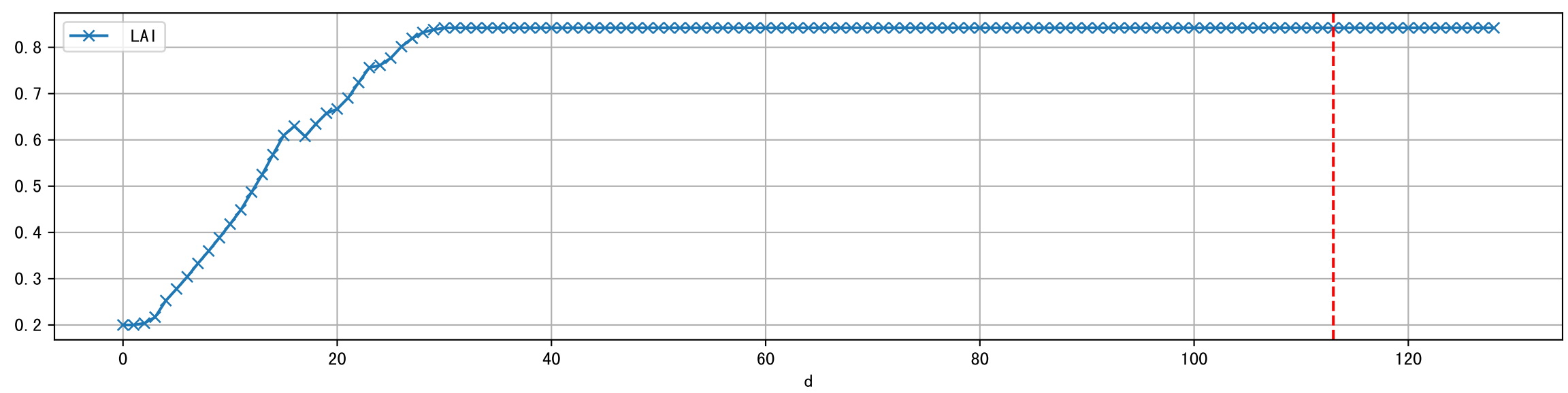


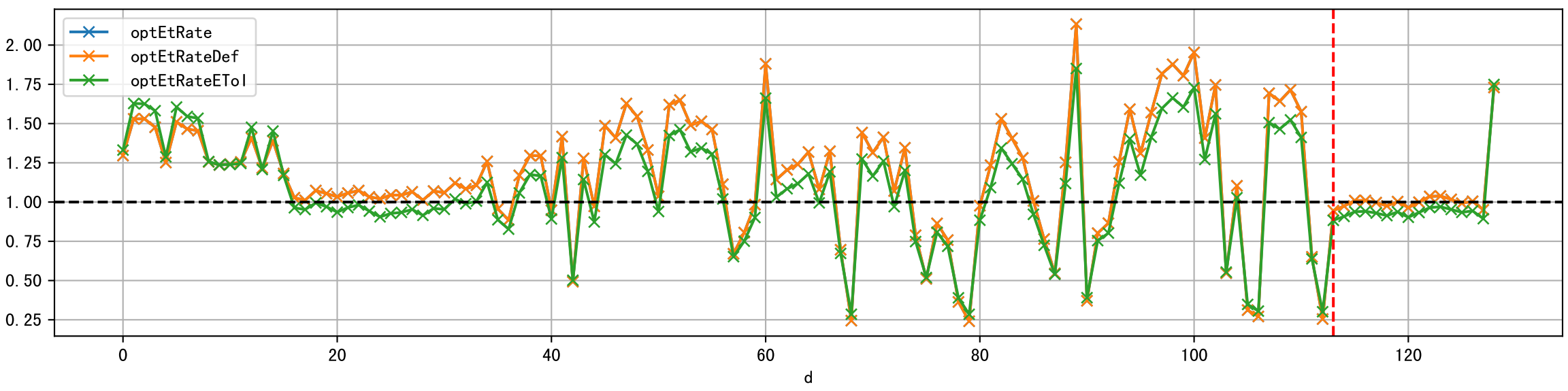


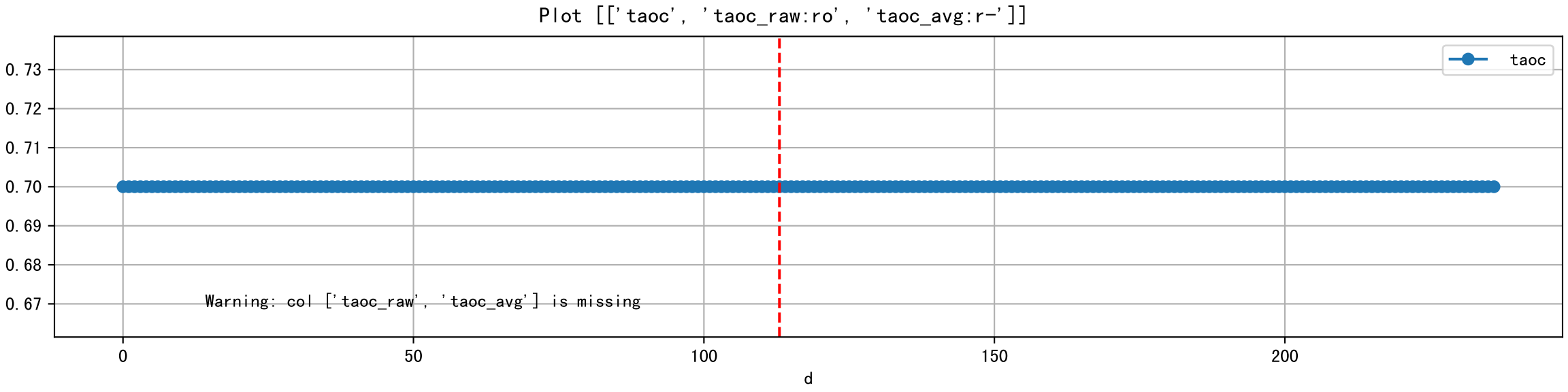


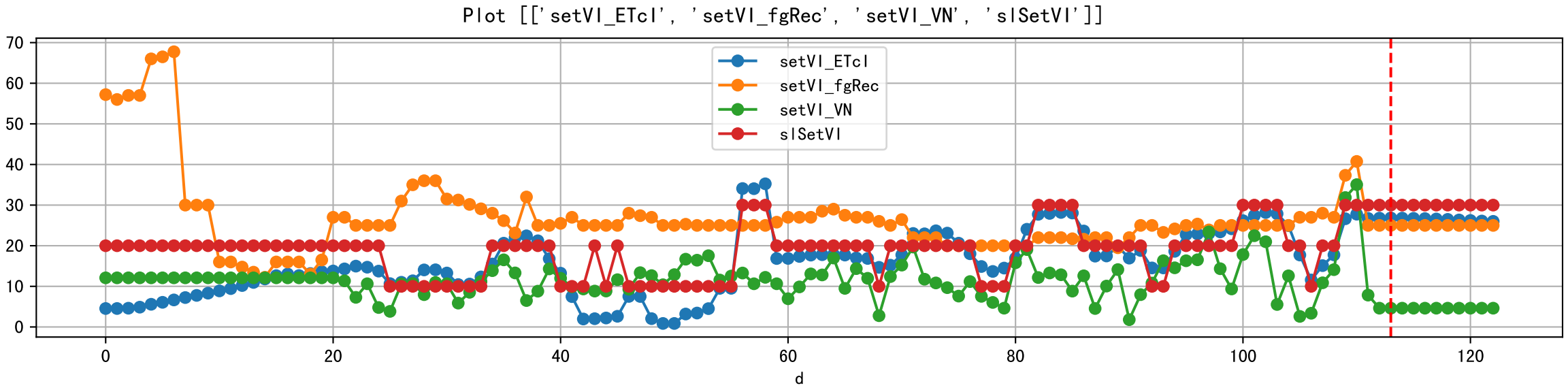


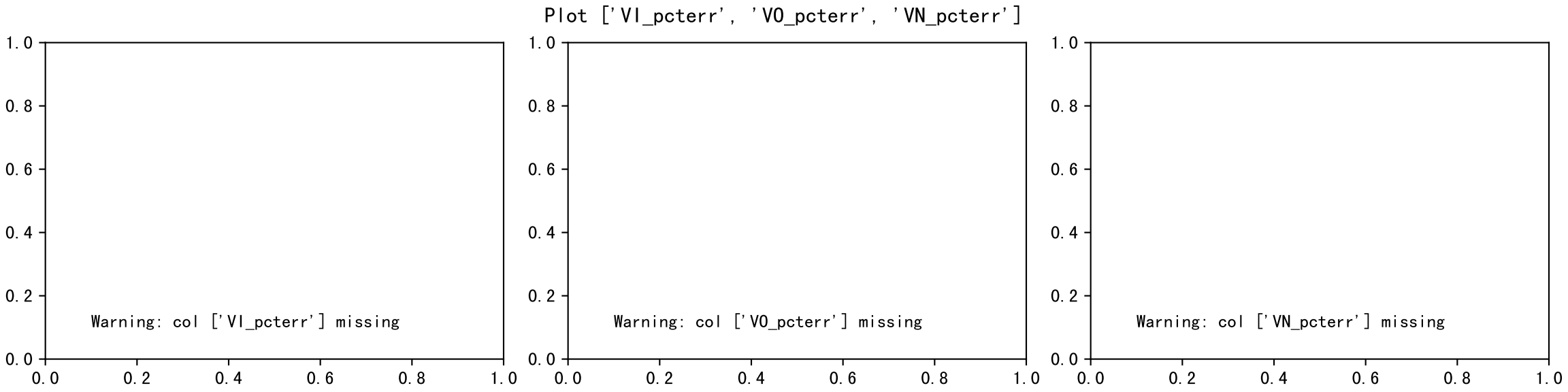


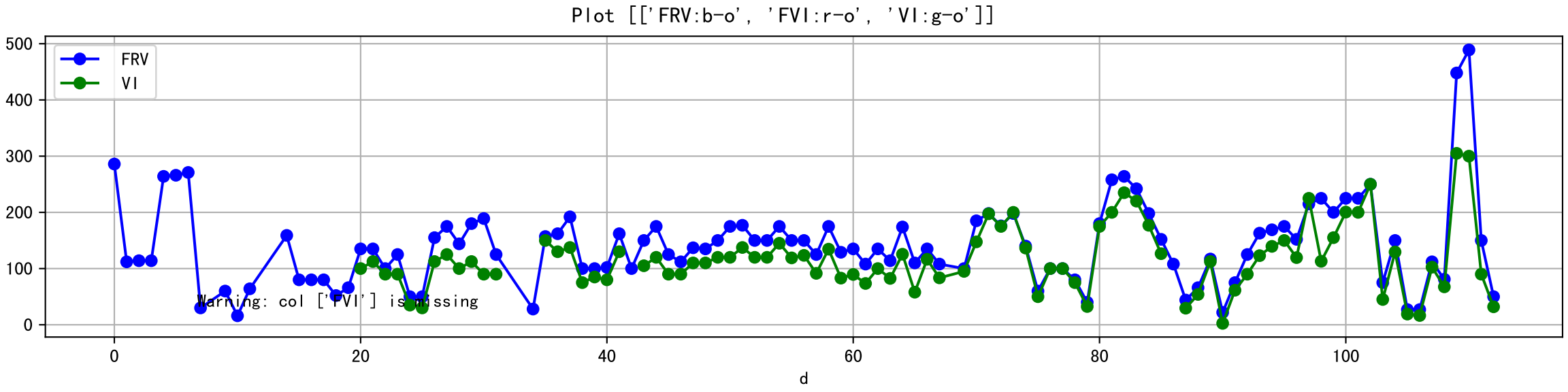


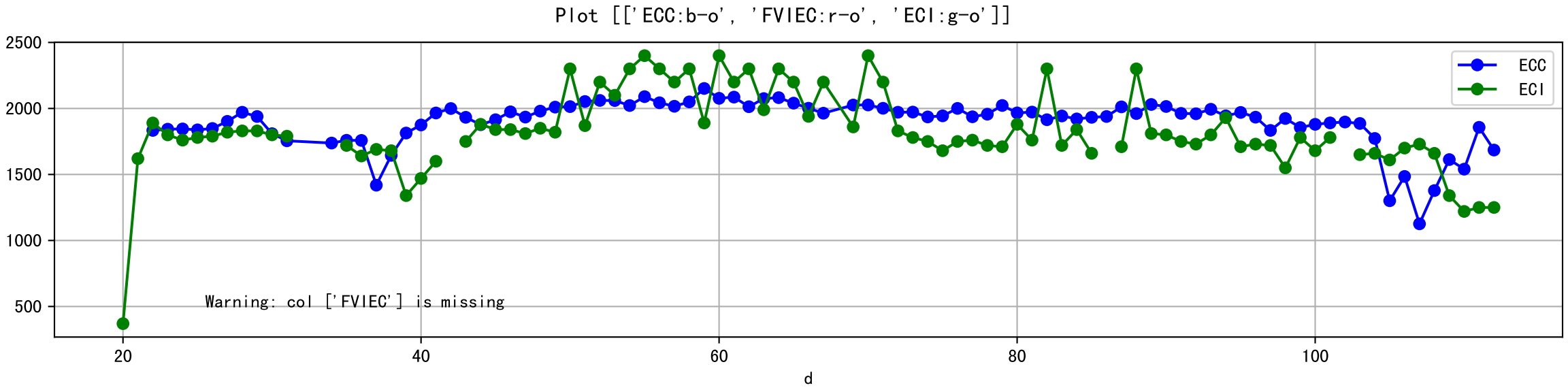


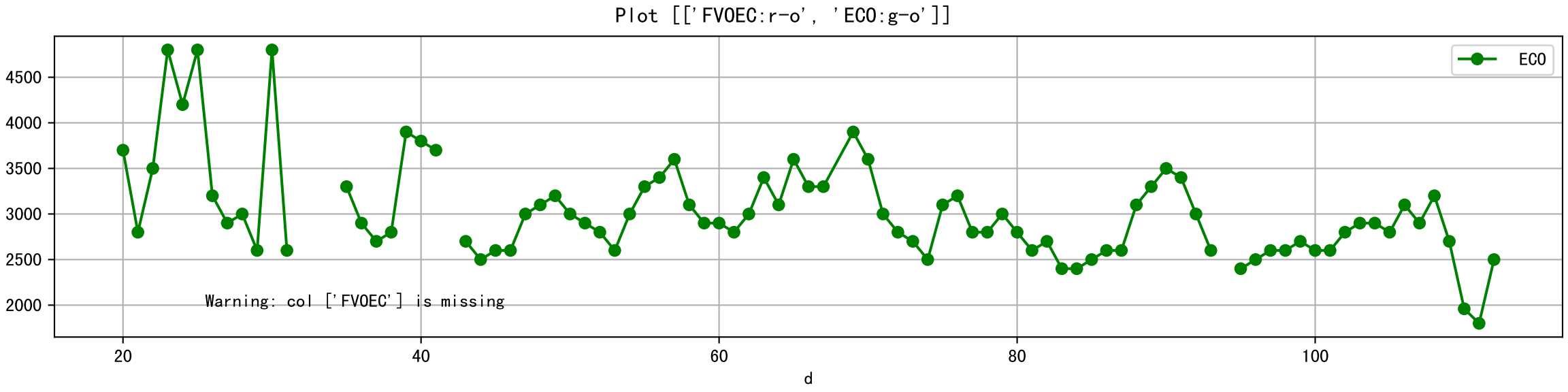

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

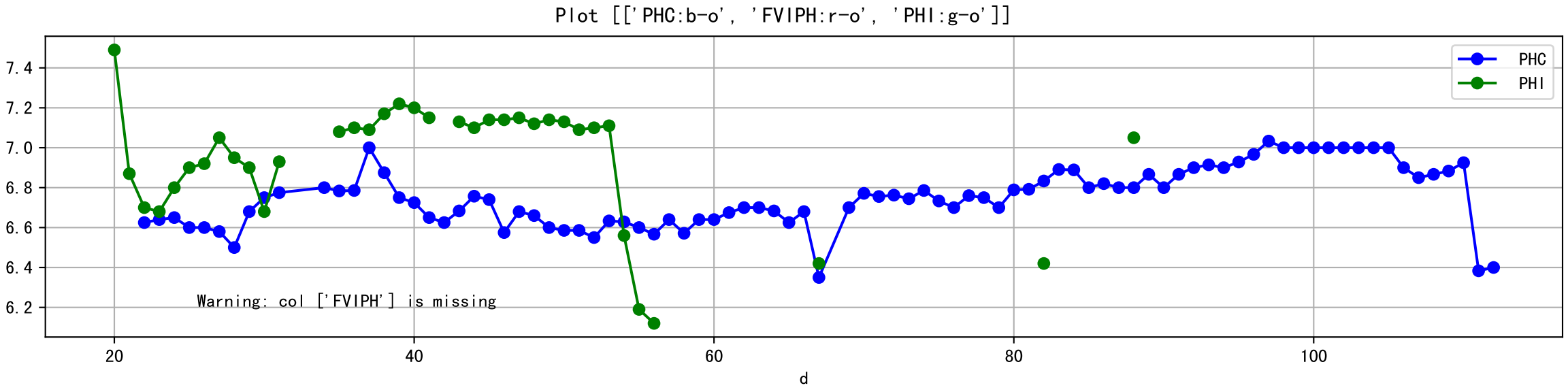

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'sISetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
sISetVI
70
60
50
40
30
20
10
0
0
20
40
60
80
100
120
d

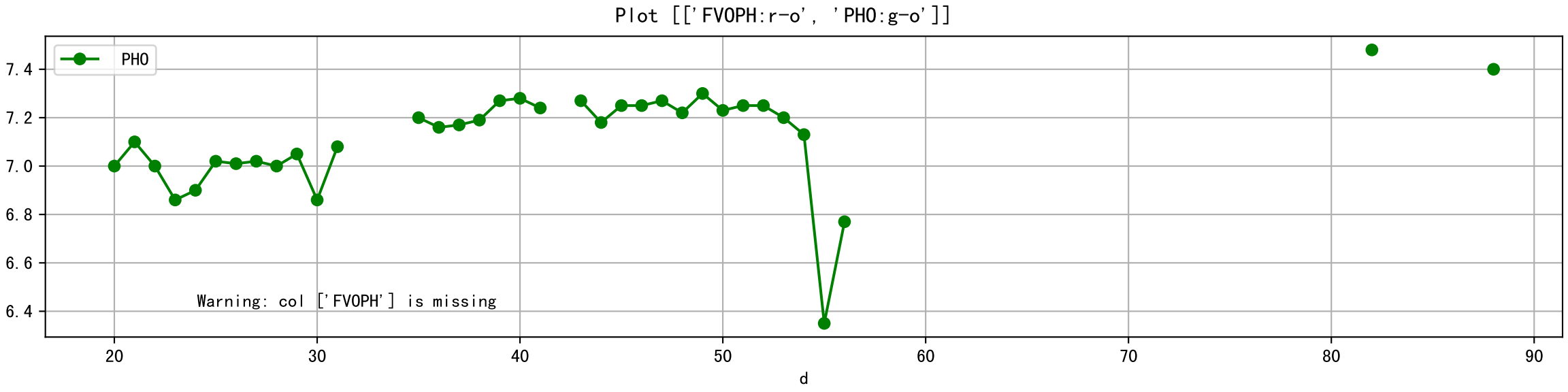

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

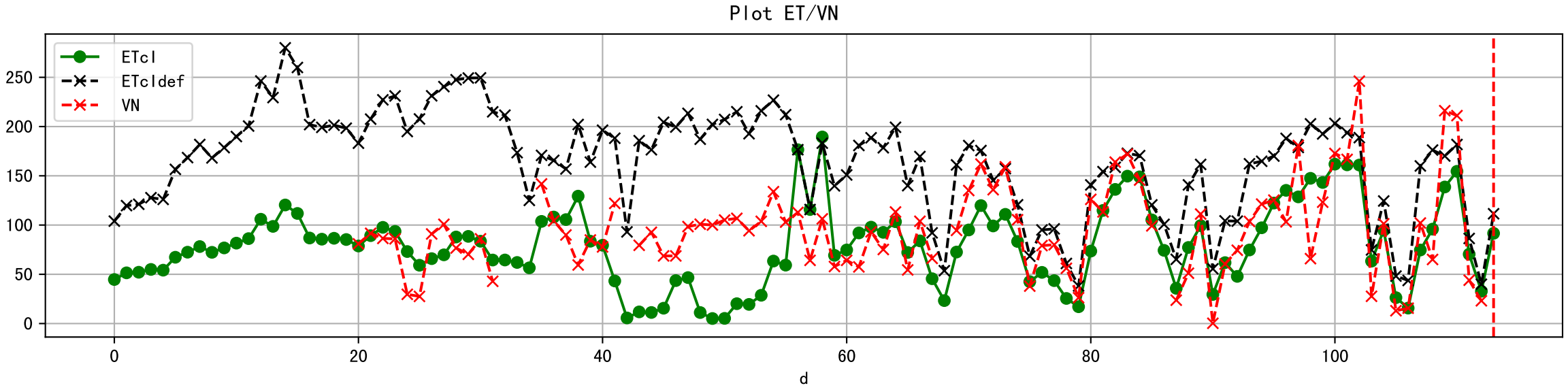

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
500
400
300
200
100
0
0
20
40
60
80
100
d

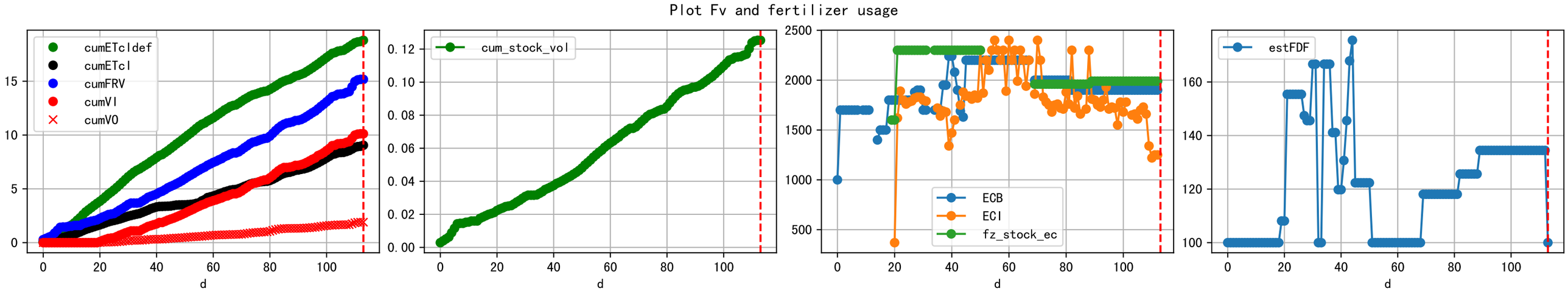

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
d
ECC
ECI
Warning: col ['FVIEC'] is missing

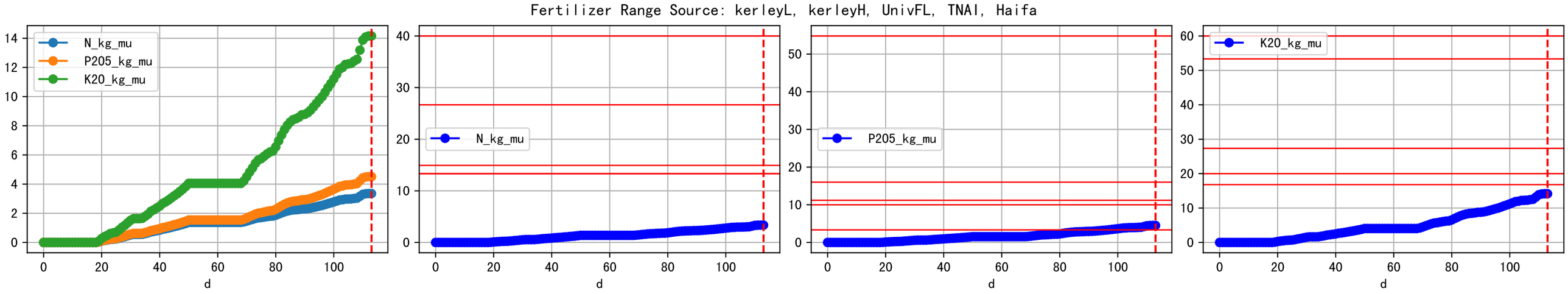

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
2000
20
40
60
80
100
d

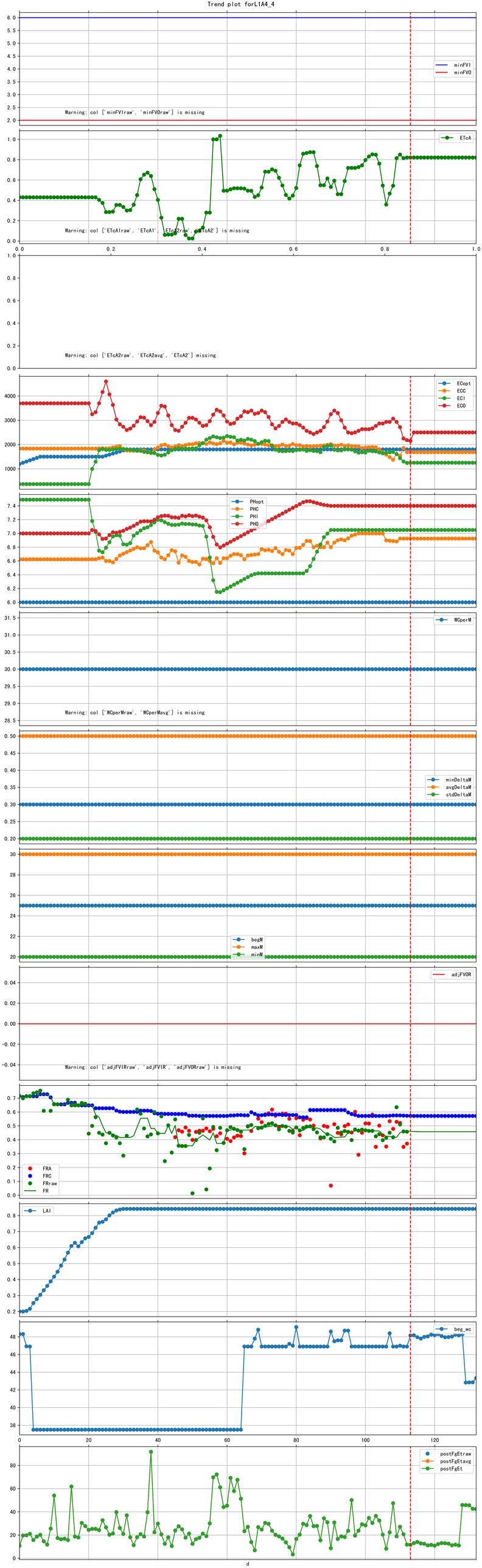

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
d

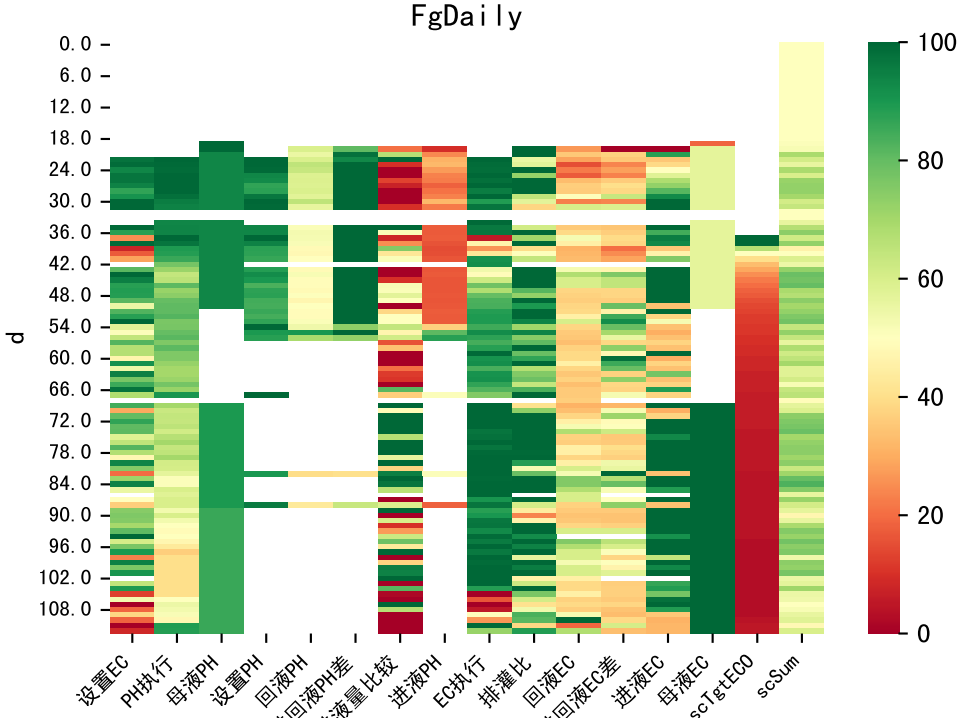

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d


Plot ET/VN
ETcl
ETcldef
VN
250
200
150
100
50
0
0
20
40
60
80
100
d

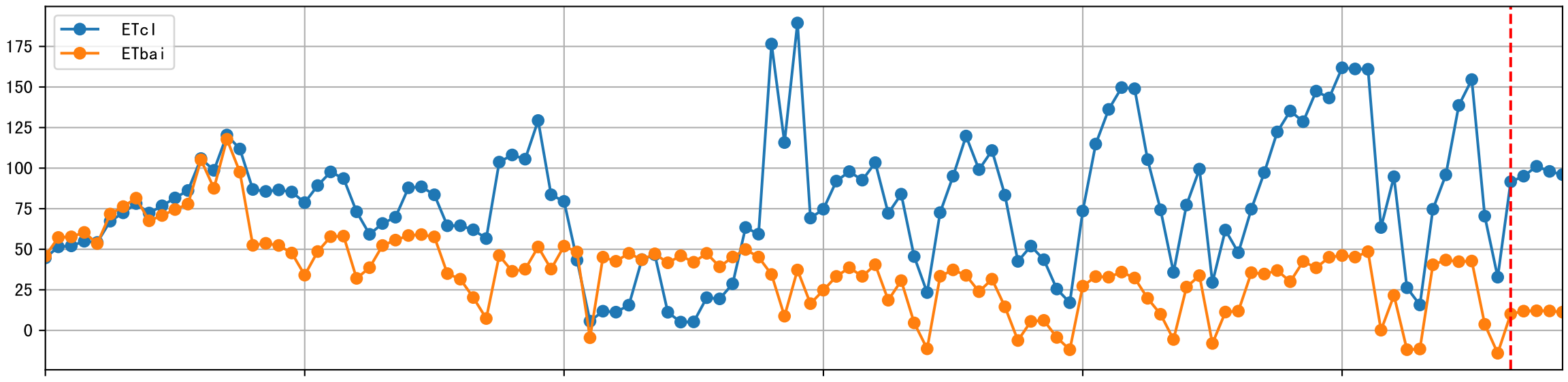

Plot Fv and fertilizer usage
cumETcldef
cumETcl
cumFRV
cumVl
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

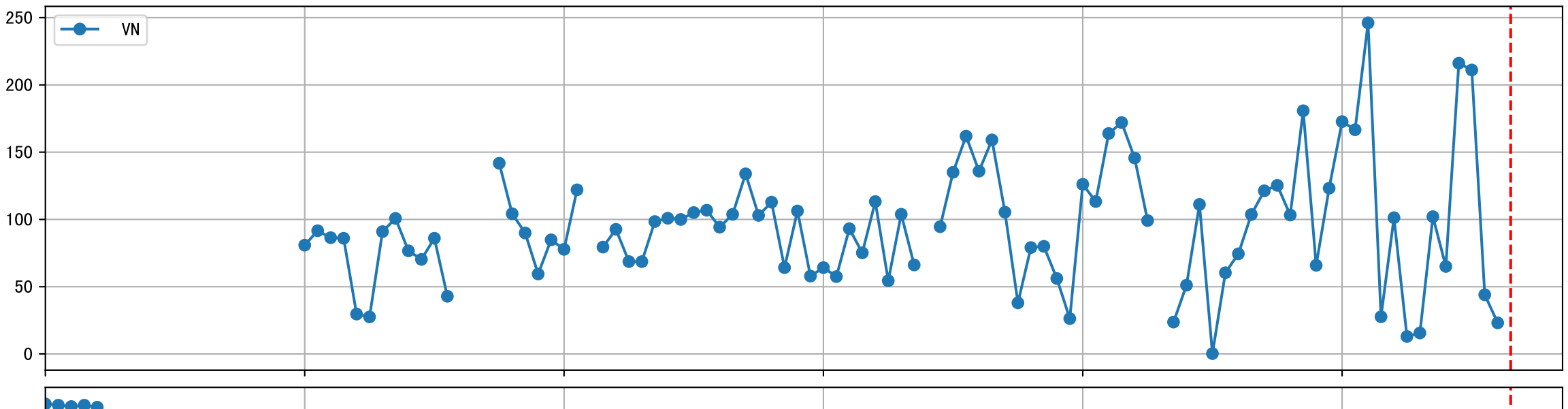

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

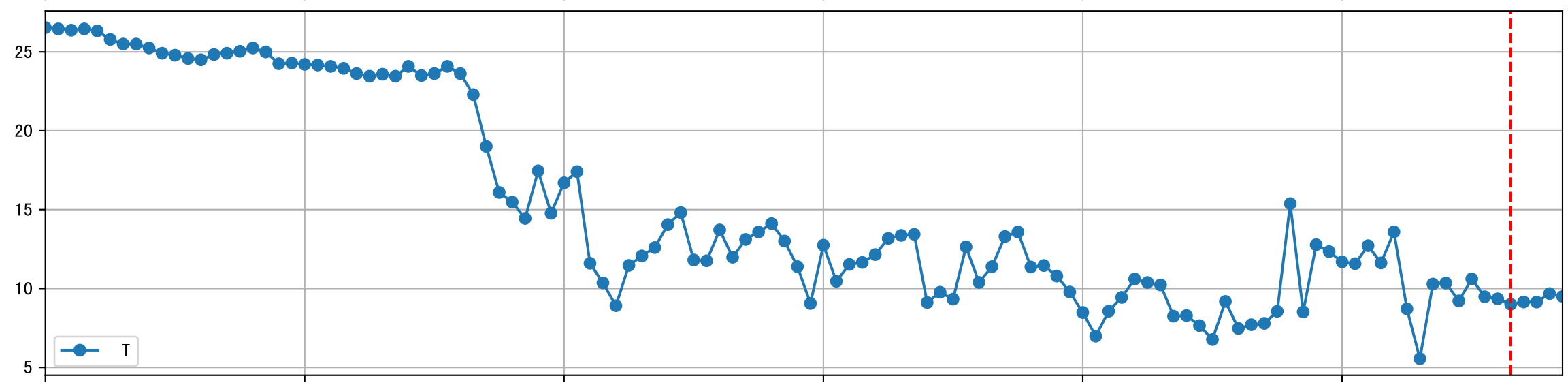

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

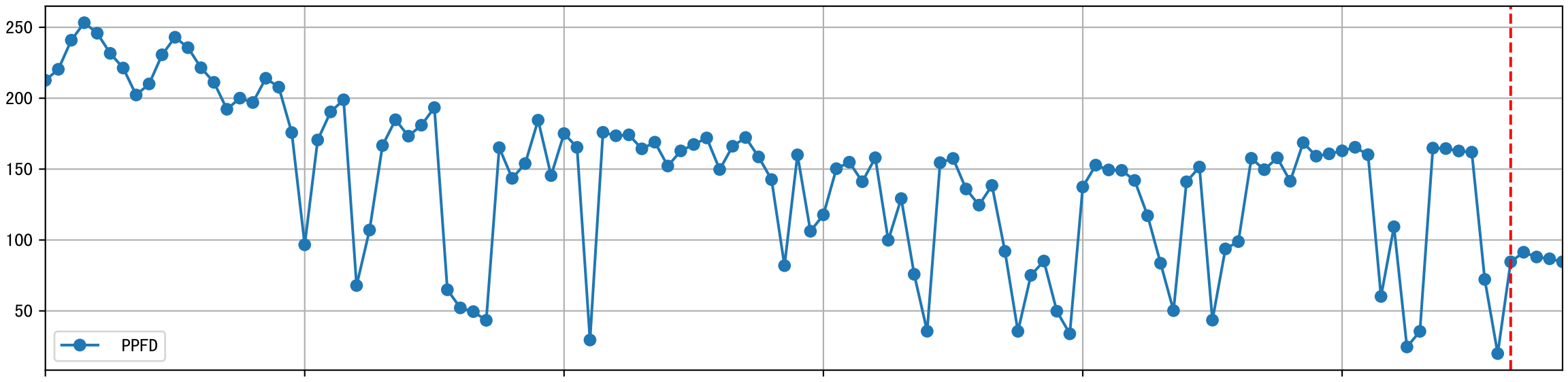

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
100
80
60
40
20
0
设置EC
PH执行
母液PH
设置PH
回液PH
回液PH差
液量比较
进液PH
EC执行
排灌比
回液EC
回液EC差
进液EC
母液EC
scTgtEC0
scSum

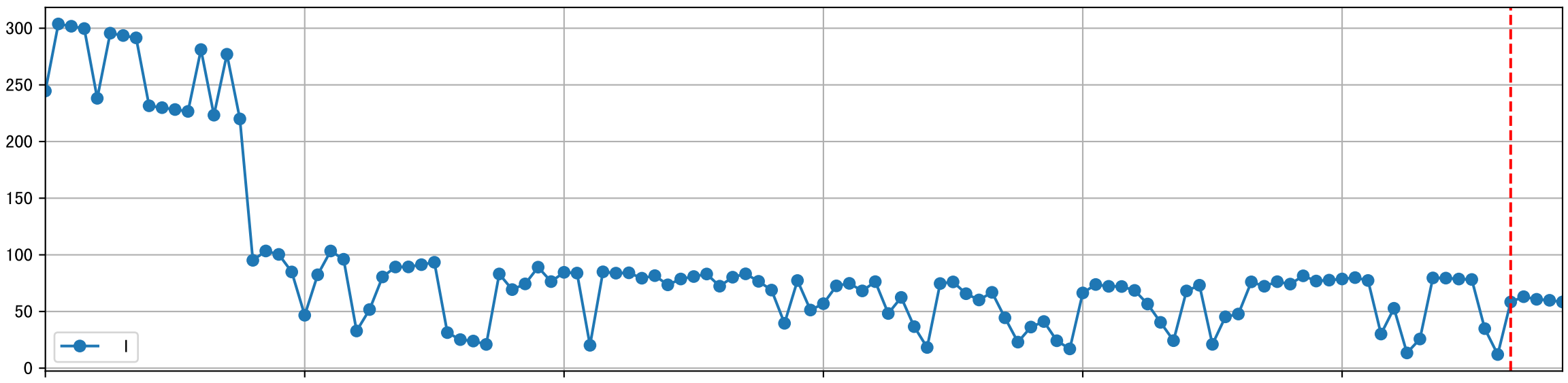
L1A4_4

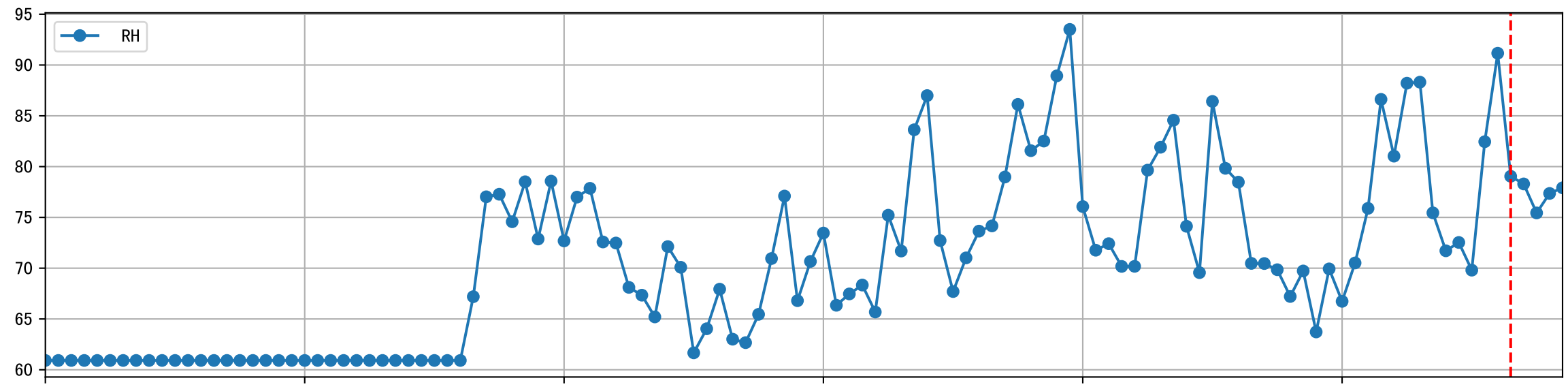

ETcl
ETbai
175
150
125
100
75
50
25
0

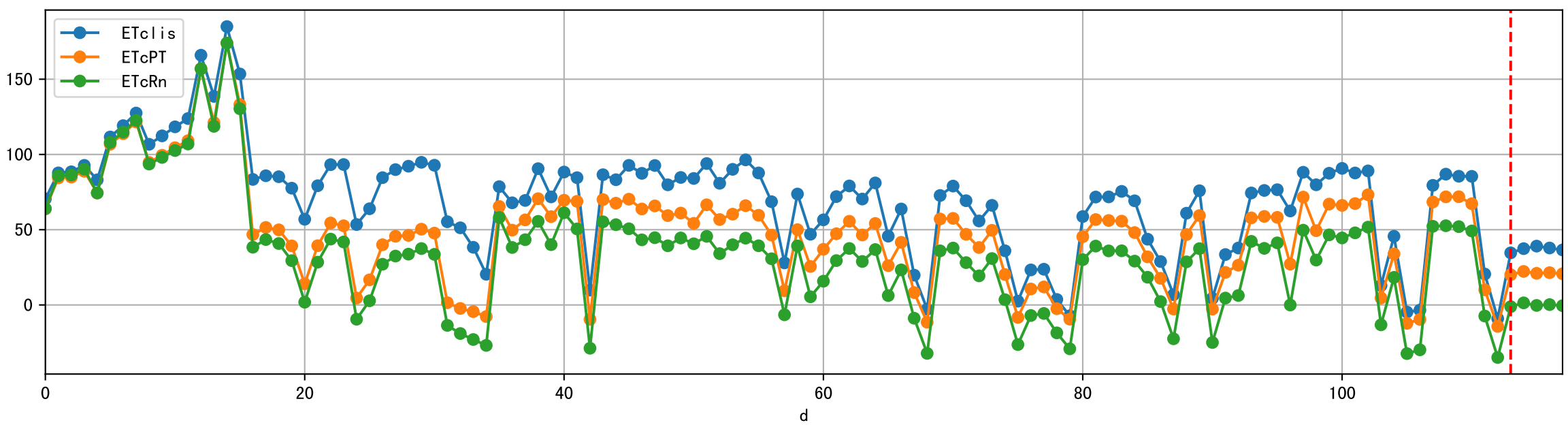

VN
250
200
150
100
50
0

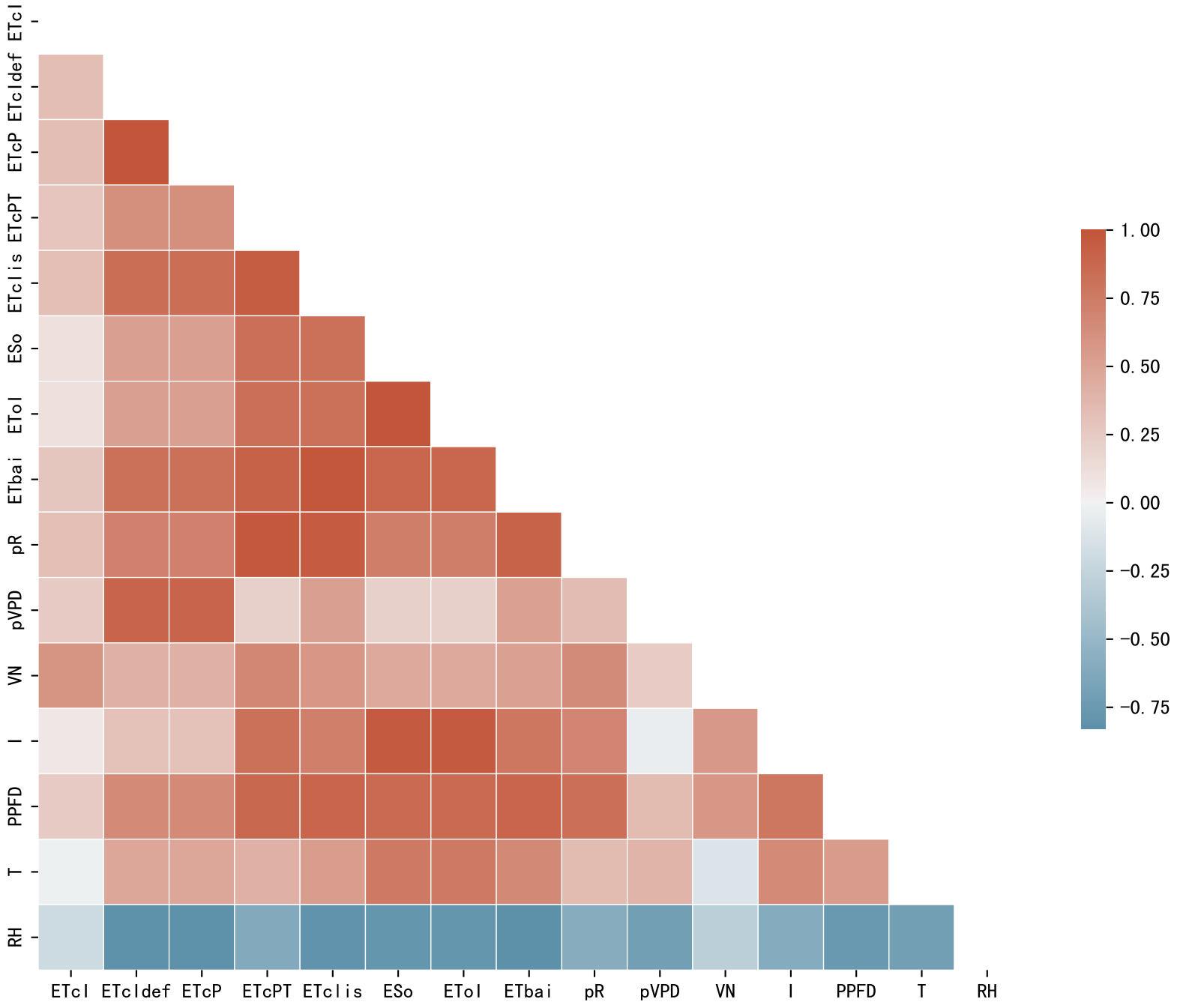

T
25
20
15
10
5

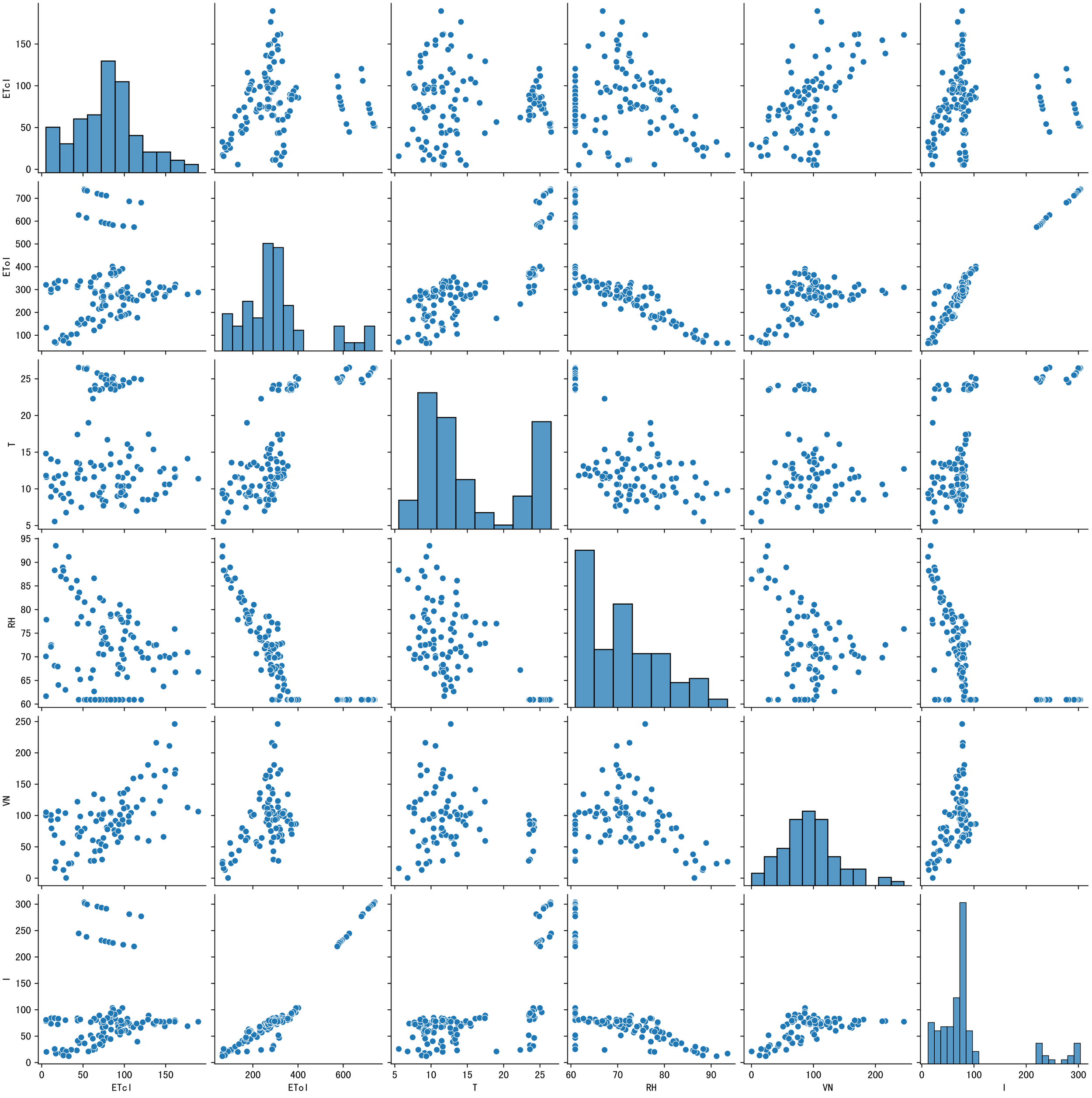

PPFD
250
200
150
100
50

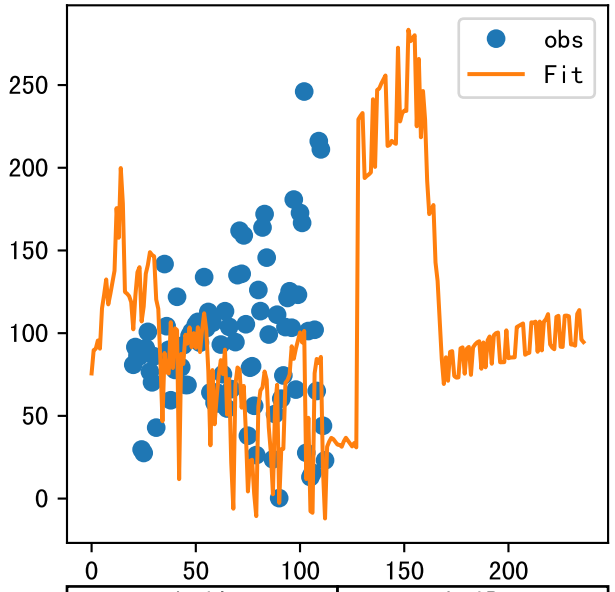

I
300
250
200
150
100
50
0

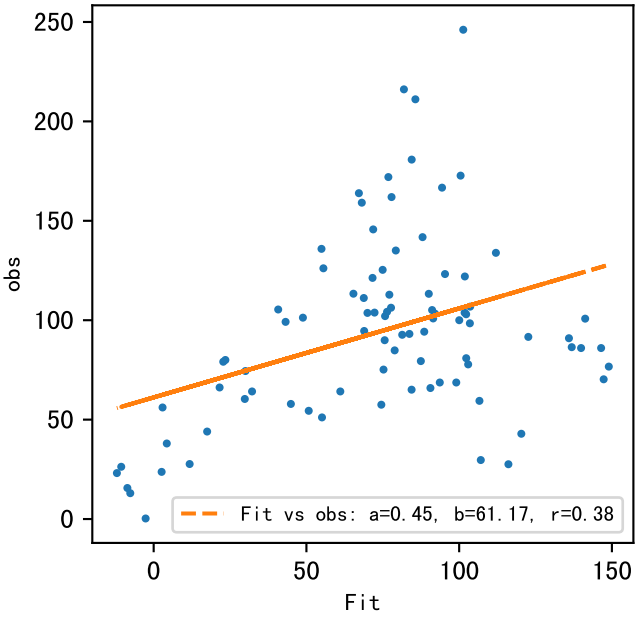

RH
95
90
85
80
75
70
65
60


ETclis
ETcPT
ETcRn
150
100
50
0
0
20
40
60
80
100
d

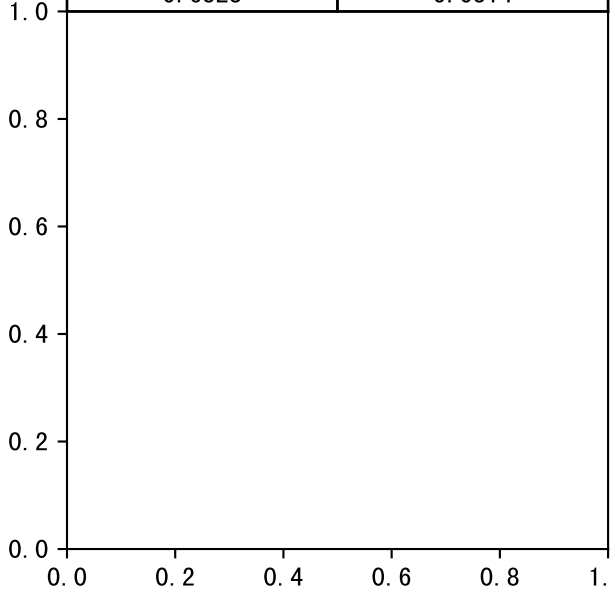

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

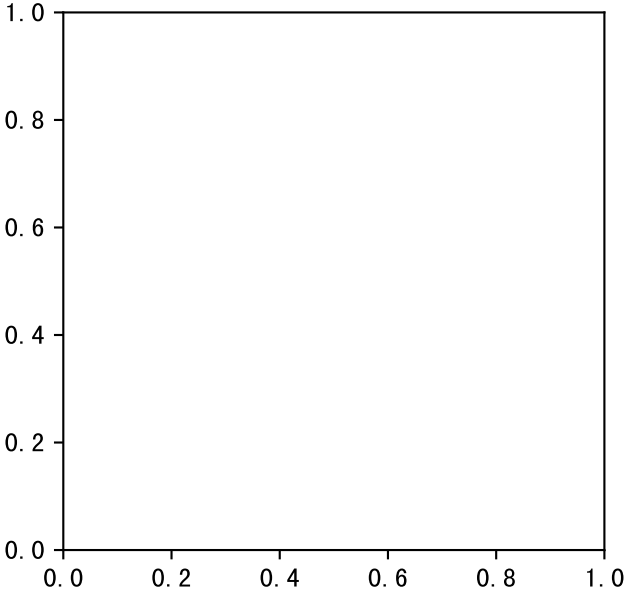

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

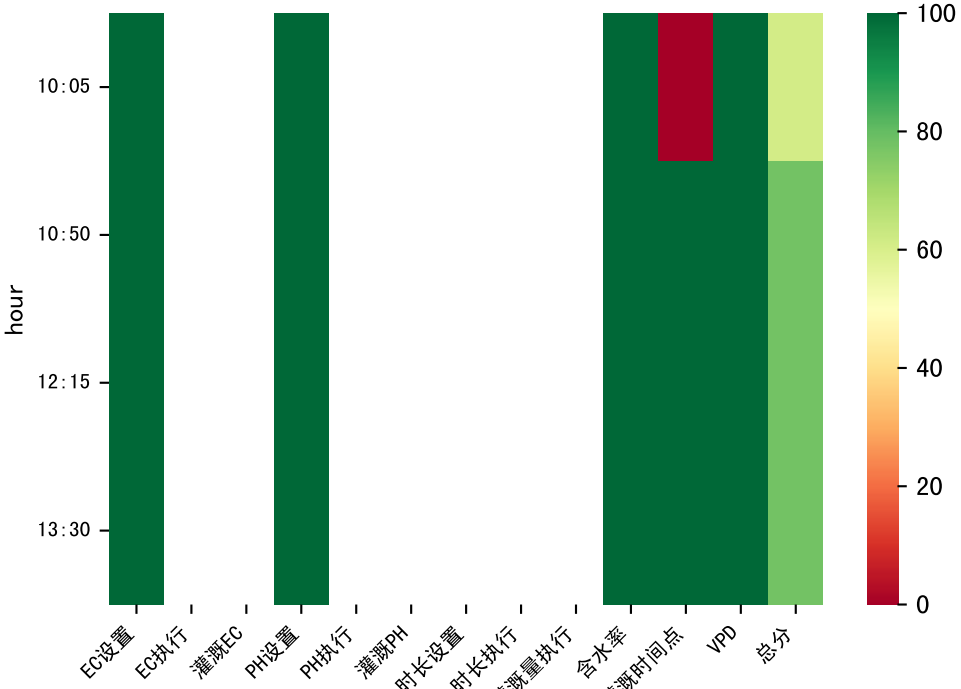




baiA	baiB
0.6323	0.0314

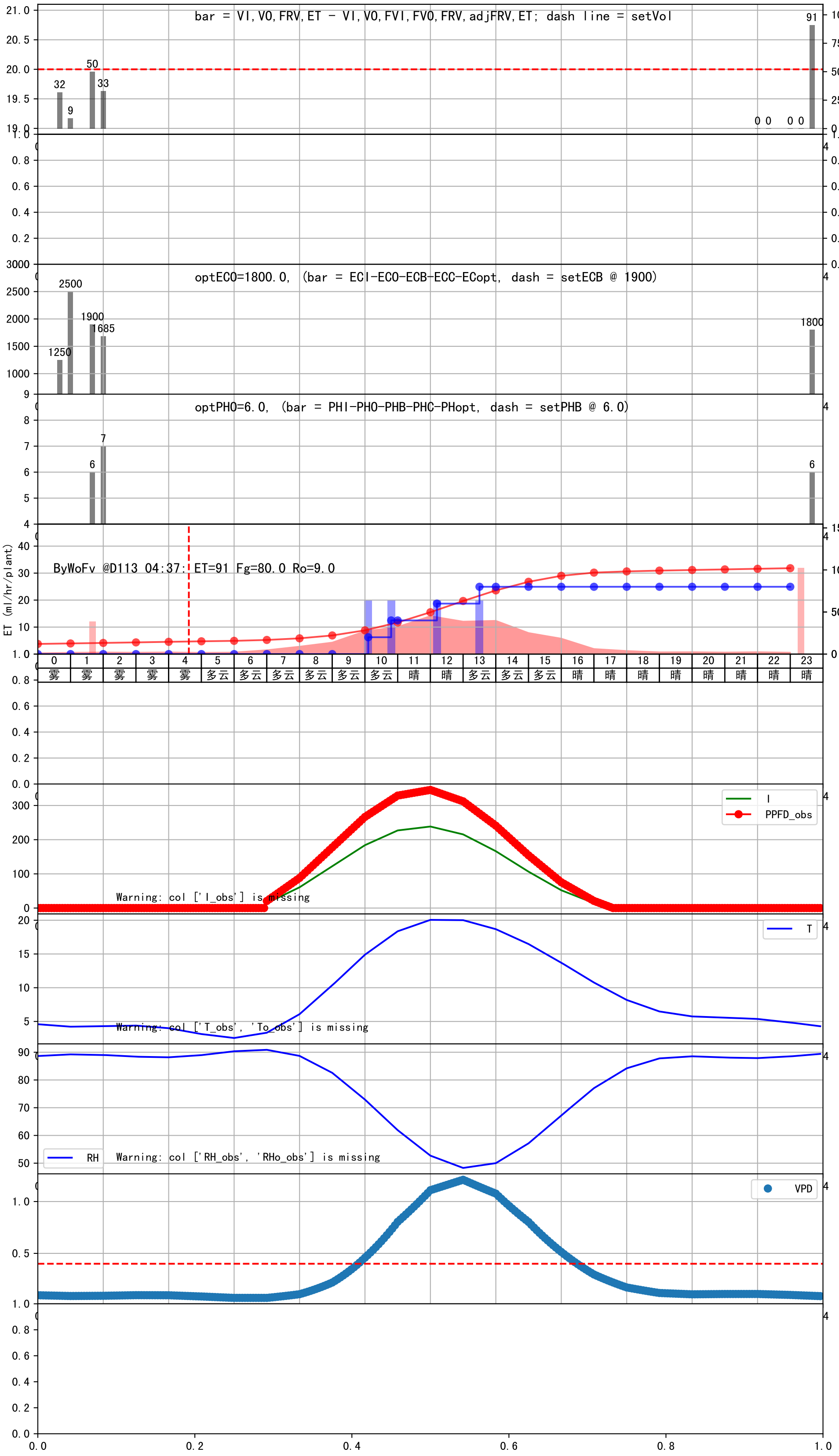


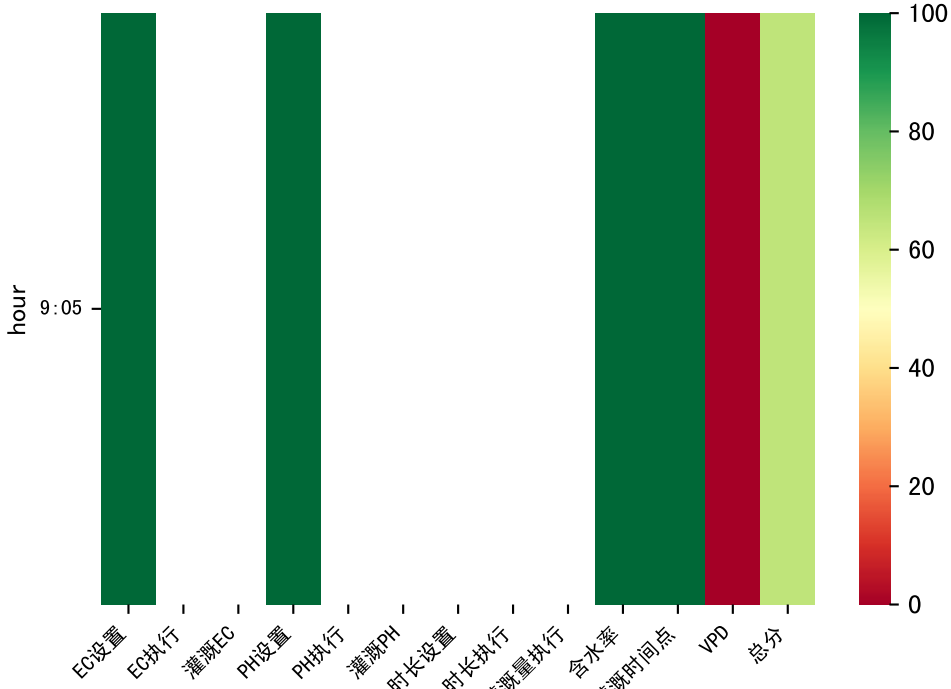



hour
10:05
10:50
12:15
13:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:05	43	20.0	0.081	多云	预期@10:05 自主（未用传感器）
10:50	43	20.0	0.081	多云	预期@10:50 自主（未用传感器）
12:15	43	20.0	0.081	晴	预期@12:15 自主（未用传感器）
13:30	43	20.0	0.081	多云	预期@13:30 自主（未用传感器）
总计	172.0 (4次)	80.0			建议进液EC：1900， PH：6.0

L1A4_4, Day=113 (2026-01-27)

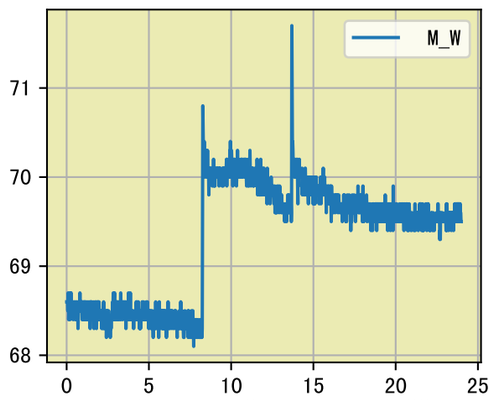


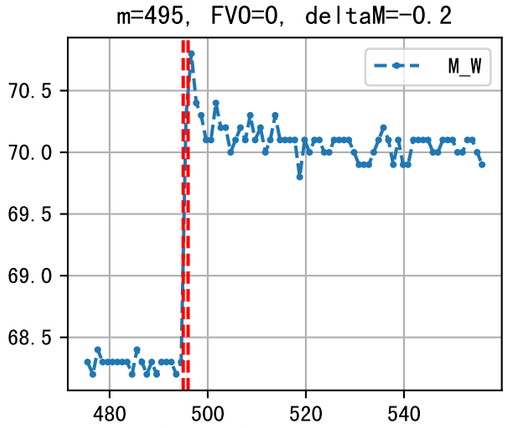

hour
9:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

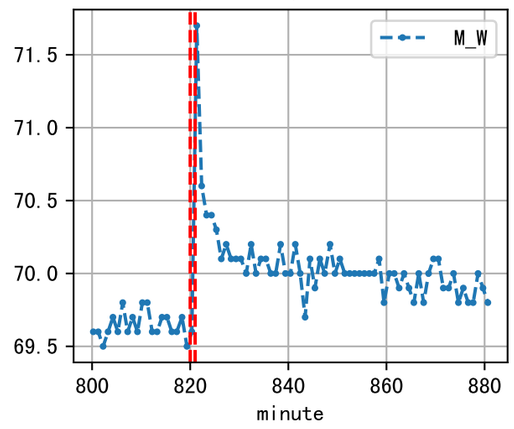
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:05	43	20.0	0.081	阴	假设@09:05 自动（未用传感器）
总计	43.0 (1次)	20.0			建议进液EC：1900， PH：6.0

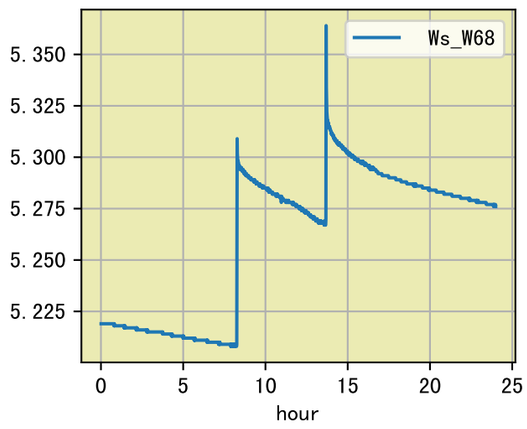
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

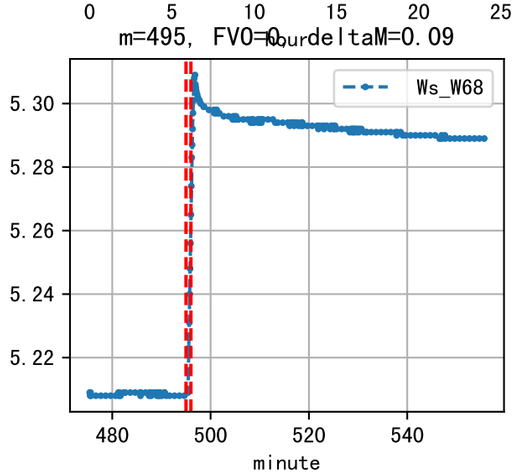
L1A4_4, Day=112 (2026-01-26)

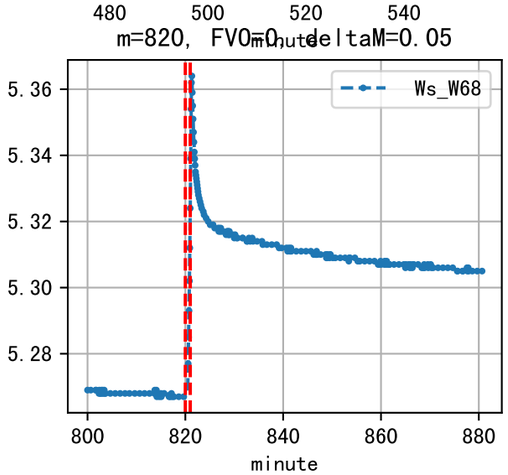

M_W
71
70
69
68
0
5
10
15
20
25

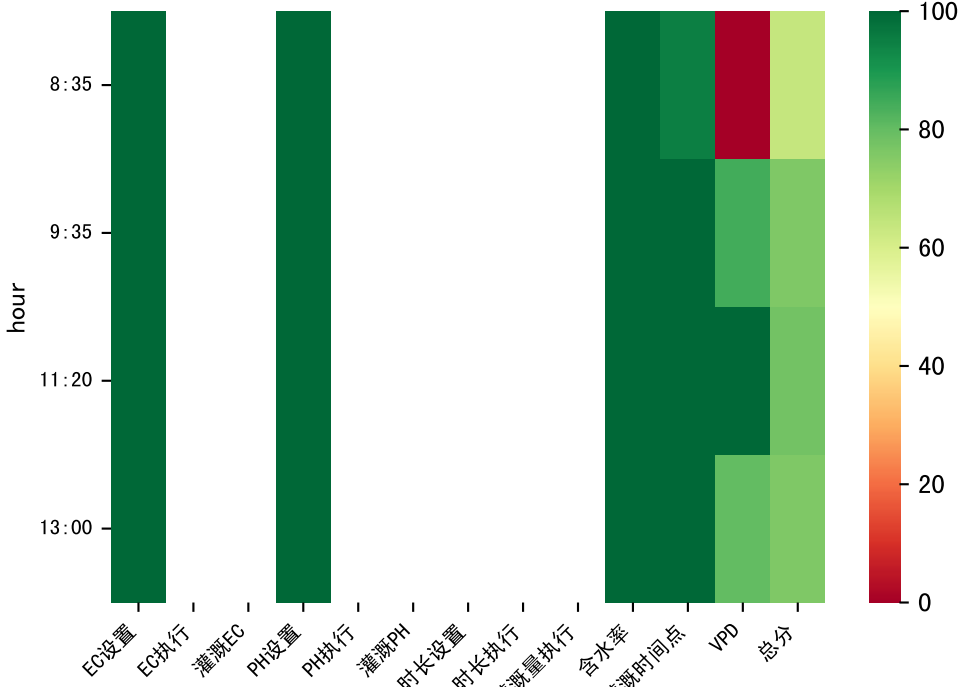

m=495, FV0=0, deltaM=-0.2
M_W
70.5
70.0
69.5
69.0
68.5
480
500
520
540


m=820, FV0=0, deltaM=0.5
M_W
71.5
71.0
70.5
70.0
69.5
800
820
840
860
880
minute


Ws_W68
5.350
5.325
5.300
5.275
5.250
5.225
0
5
10
15
20
25
hour


m=495, FV0=0, deltaM=0.09
Ws_W68
5.30
5.28
5.26
5.24
5.22
480
500
520
540
minute

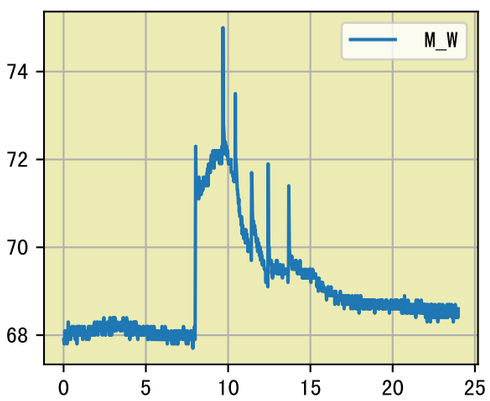

m=820, FV0=0, deltaM=0.05
Ws_W68
5.36
5.34
5.32
5.30
5.28
800
820
840
860
880
minute

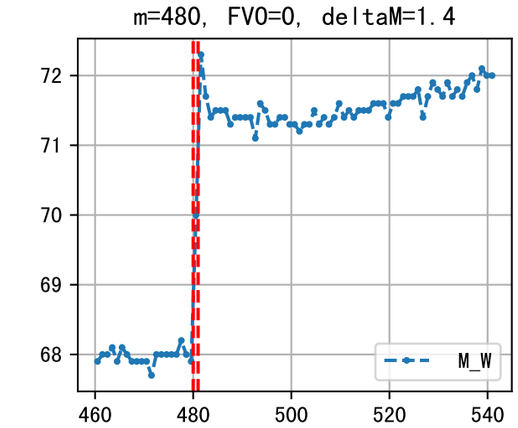

hour
8:35
9:35
11:20
13:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

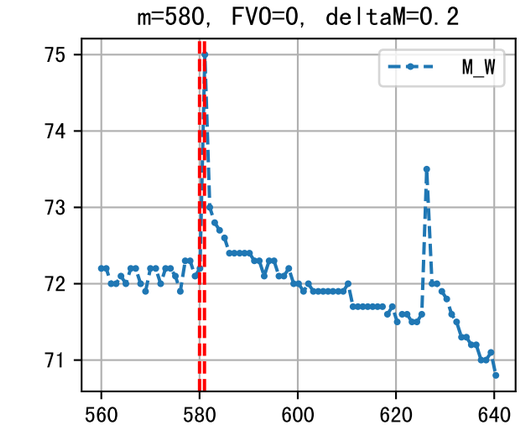
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:35	43	20.0	0.081	雾	假设@08:35 自动（未用传感器）
09:35	43	20.0	0.081	雾	假设@09:35 自动（未用传感器）
11:20	43	20.0	0.081	霾	假设@11:20 自动（未用传感器）
13:00	43	20.0	0.081	霾	假设@13:00 自动（未用传感器）
总计	172.0 (4次)	80.0			建议进液EC：1900， PH：6.0

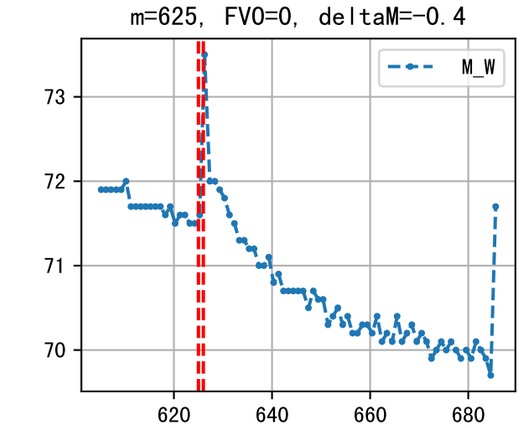
施肥机灌溉量与预期值不符 (25.0 : 19.0)，可能水表需要校准
默认实际灌溉19.0 ml.

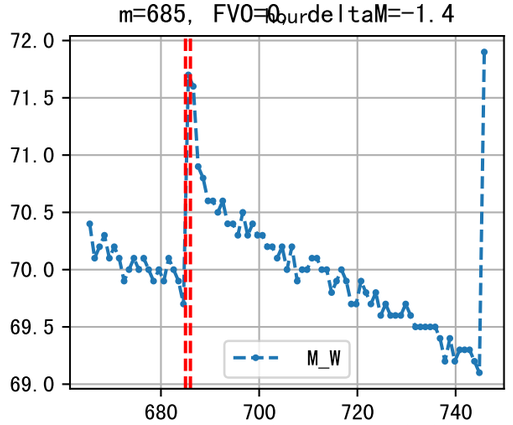
L1A4_4, Day=111 (2026-01-25)

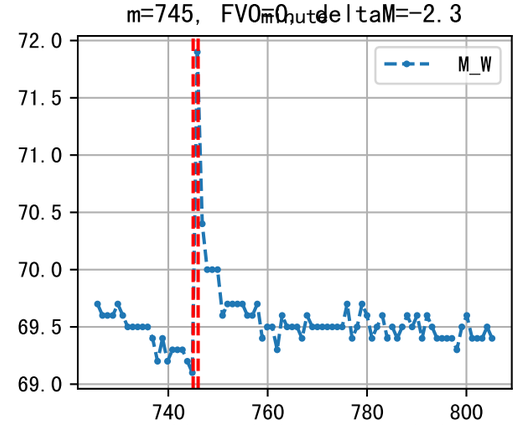

M_W

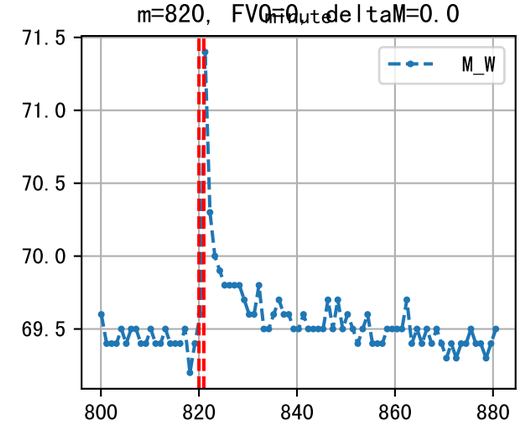

m=480, FV0=0, deltaM=1.4
M_W

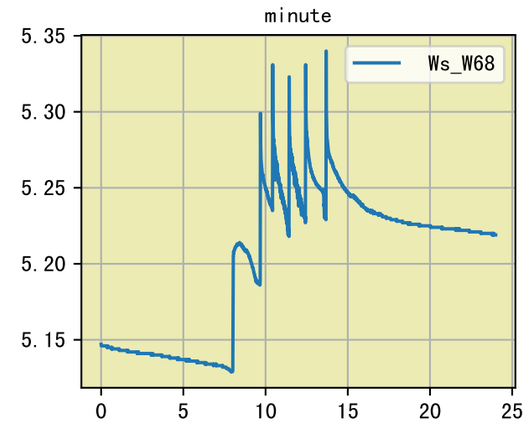

m=580, FV0=0, deltaM=0.2
M_W

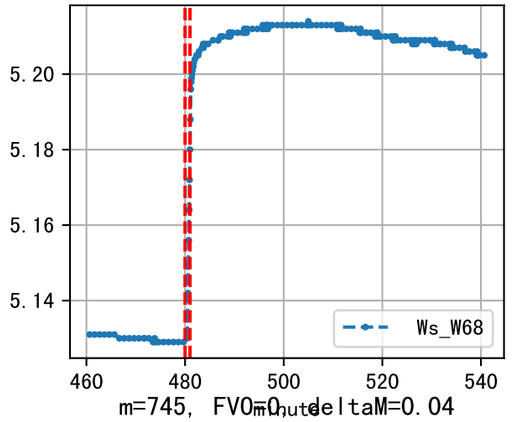

m=625, FV0=0, deltaM=-0.4
M_W
minute

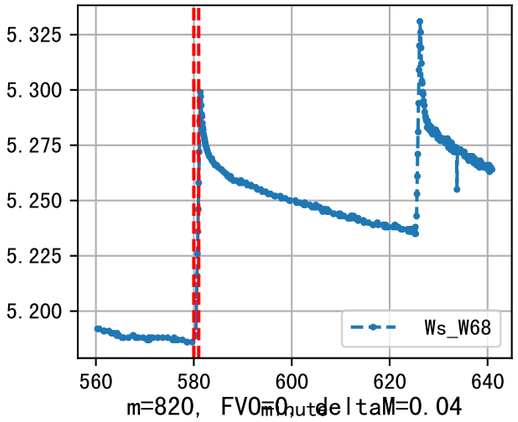

m=685, FV0=0, deltaM=-1.4
M_W
minute

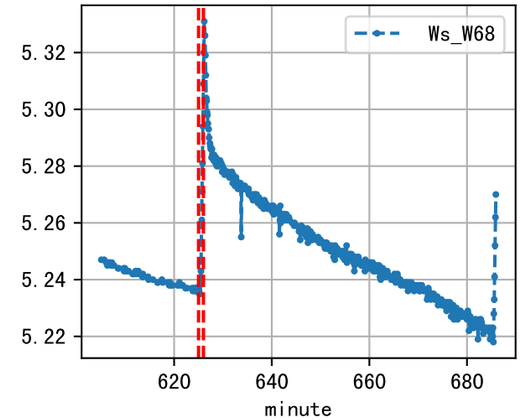

m=745, FV0=0, deltaM=-2.3
M_W
minute

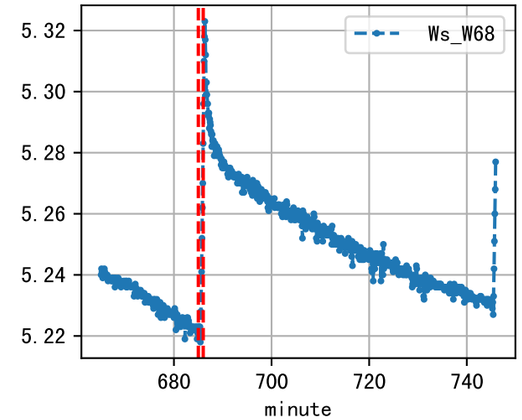

m=820, FV0=0, deltaM=0.0
M_W
minute

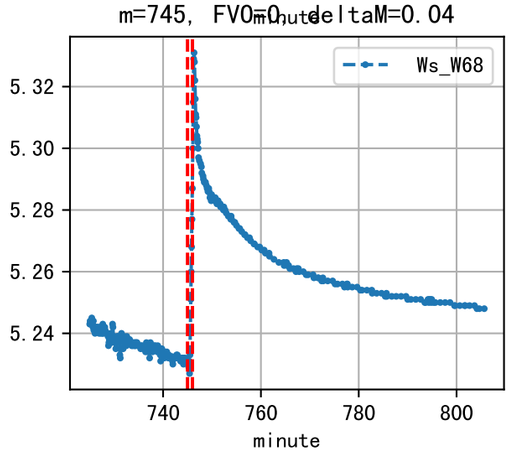

Ws_W68
minute

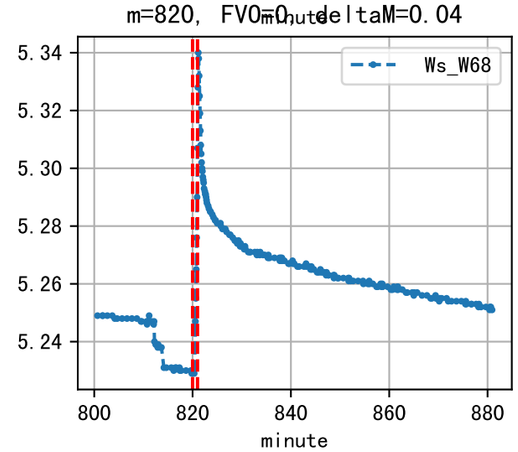

m=480, FV0=0, deltaM=0.08
Ws_W68
minute

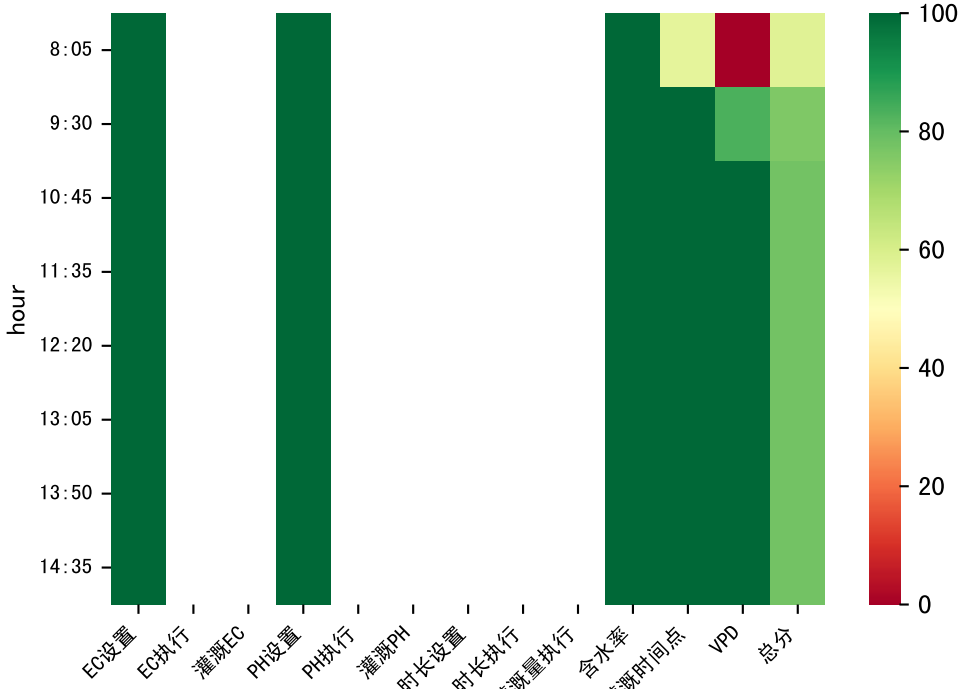

m=580, FV0=0, deltaM=0.07
Ws_W68
minute


m=625, FV0=0, deltaM=0.04
Ws_W68
minute


m=685, FV0=0, deltaM=0.05
Ws_W68
minute


m=745, FV0=0, deltaM=0.04
Ws_W68
minute

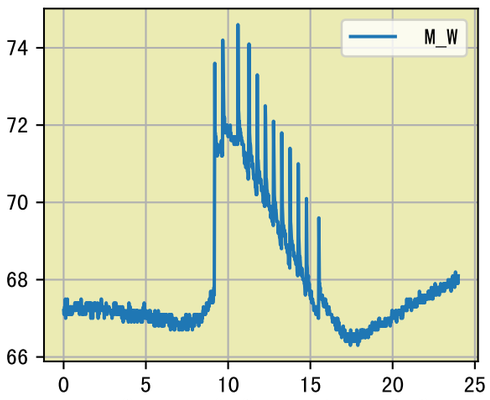

m=820, FV0=0, deltaM=0.04
Ws_W68
minute

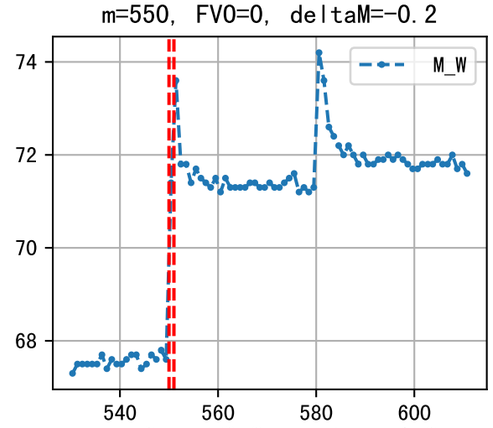

hour
8:05
9:30
10:45
11:35
12:20
13:05
13:50
14:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

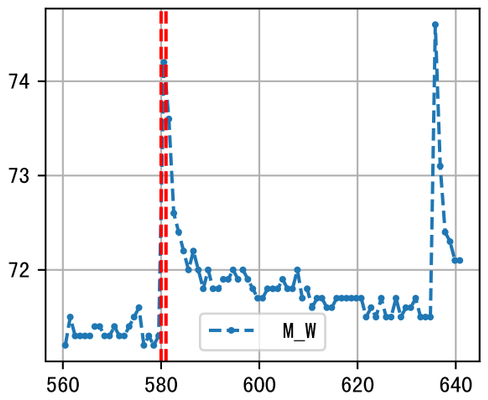
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	48	20.0	0.081	雾	假设@08:05 自动（未用传感器）
09:30	48	20.0	0.081	雾	假设@09:30 自动（未用传感器）
10:45	48	20.0	0.081	晴	假设@10:45 自动（未用传感器）
11:35	48	20.0	0.081	霾	假设@11:35 自动（未用传感器）
12:20	48	20.0	0.081	霾	假设@12:20 自动（未用传感器）
13:05	48	20.0	0.081	霾	假设@13:05 自动（未用传感器）
13:50	48	20.0	0.081	霾	假设@13:50 自动（未用传感器）
14:35	48	20.0	0.081	阴	假设@14:35 自动（未用传感器）
总计	384.0 (8次)	160.0			建议进液EC：1900， PH：6.0

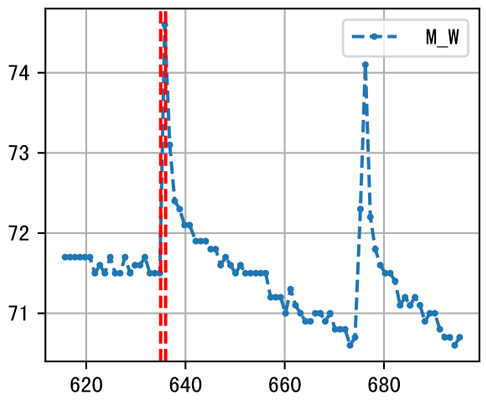
施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

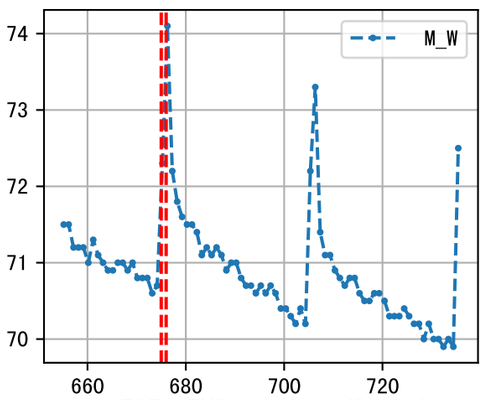
L1A4_4, Day=110 (2026-01-24)

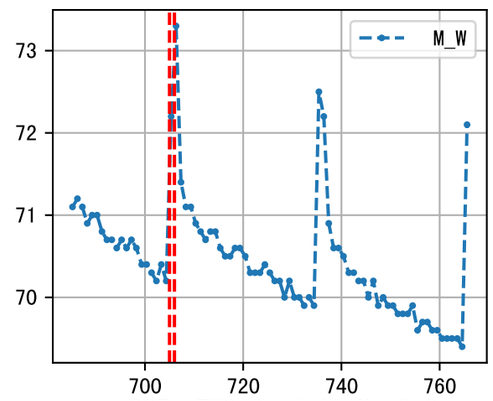

M_W

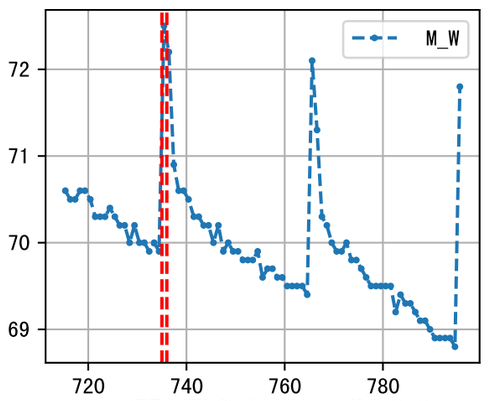

m=550, FVO=0, deltaM=-0.2
M_W

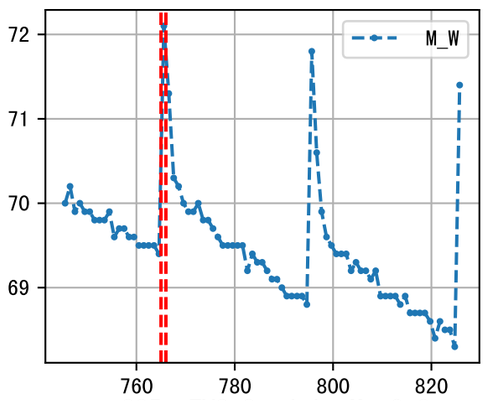

m=580, FVO=0, deltaM=-2.4
M_W

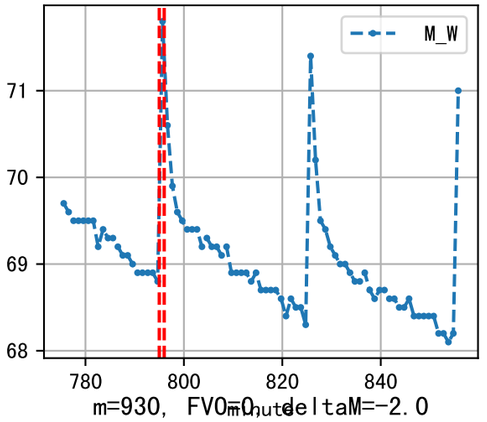

m=635, FVO=0, deltaM=-2.8
M_W

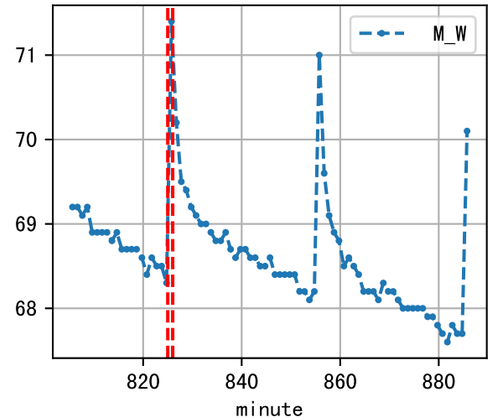

m=675, FVO=0, deltaM=-1.2
M_W

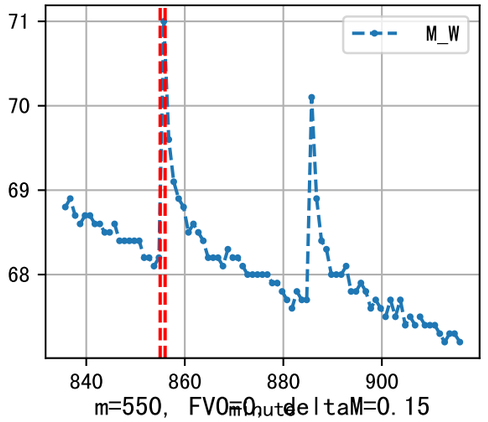

m=705, FVO=0, deltaM=-1.6
M_W

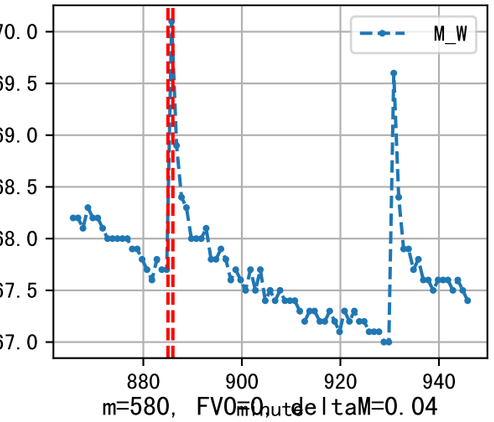

m=735, FVO=0, deltaM=-2.5
M_W

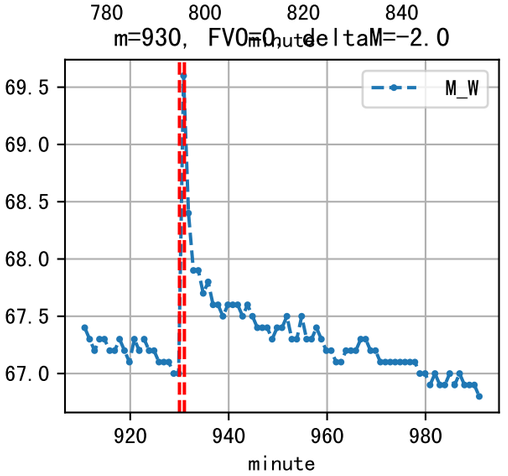

m=765, FVO=0, deltaM=-2.4
M_W

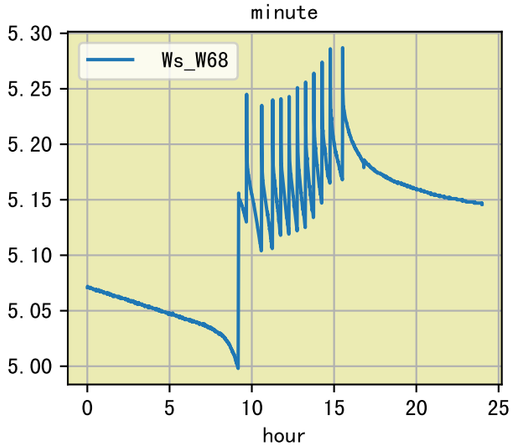

m=795, FVO=0, deltaM=-2.6
M_W

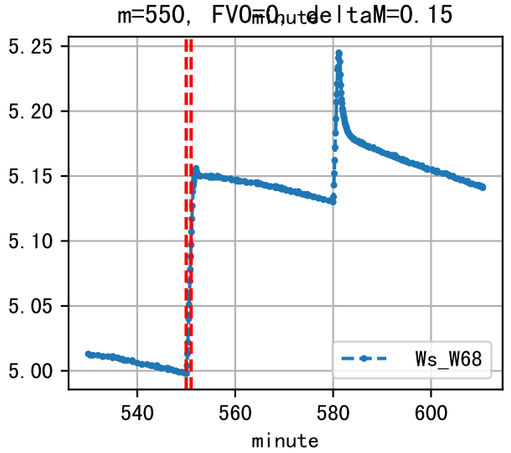

m=825, FVO=0, deltaM=-2.6
M_W

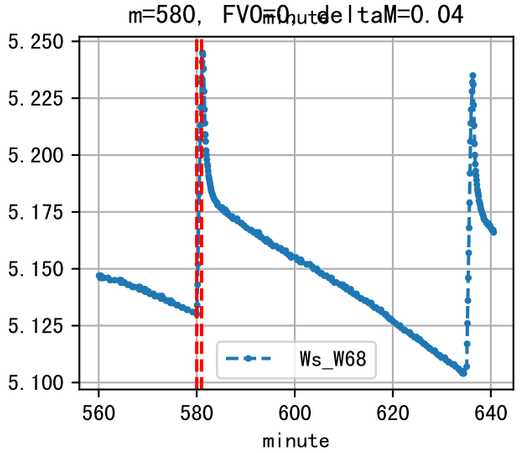

m=855, FVO=0, deltaM=-2.8
M_W

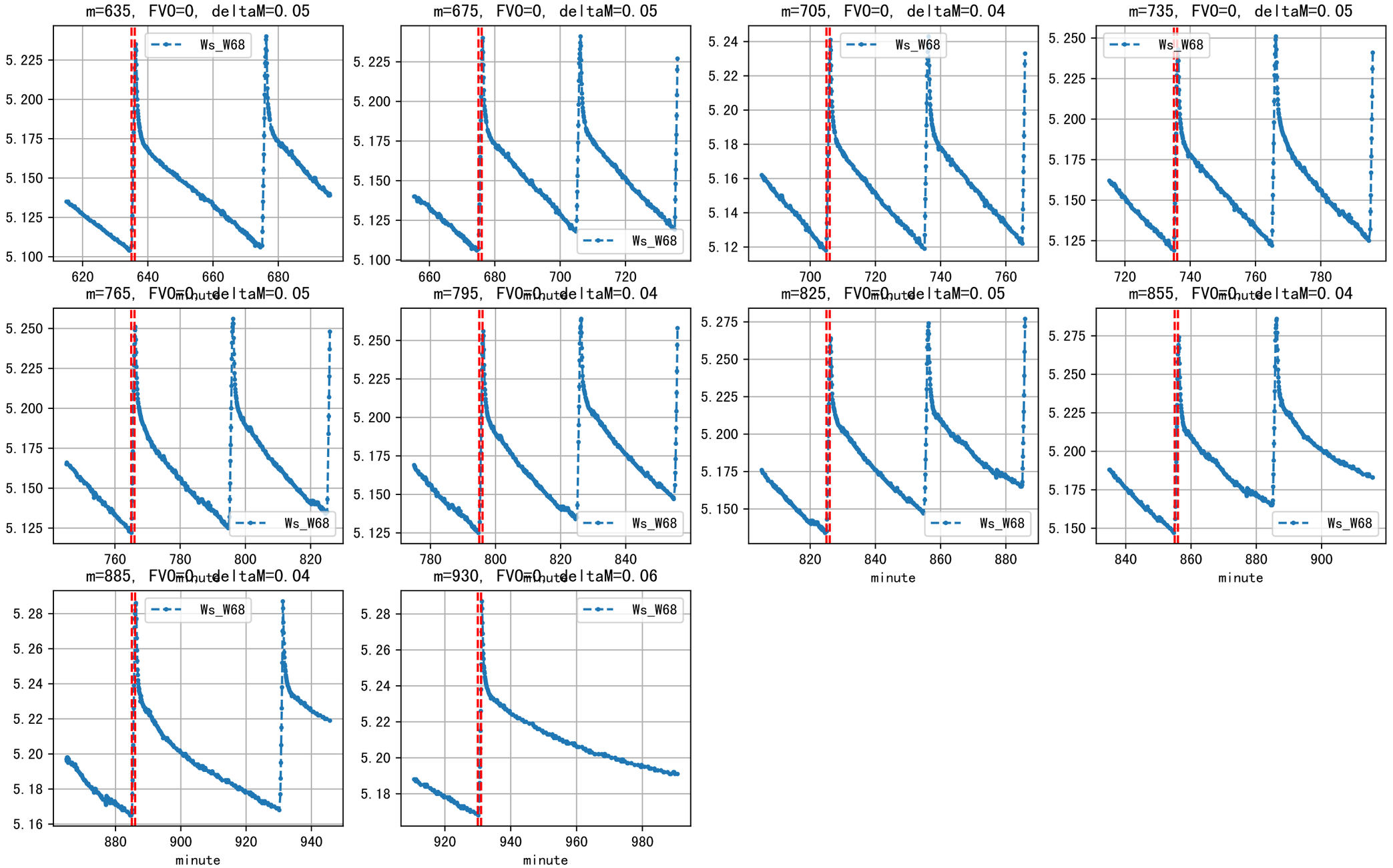

m=885, FVO=0, deltaM=-2.2
M_W

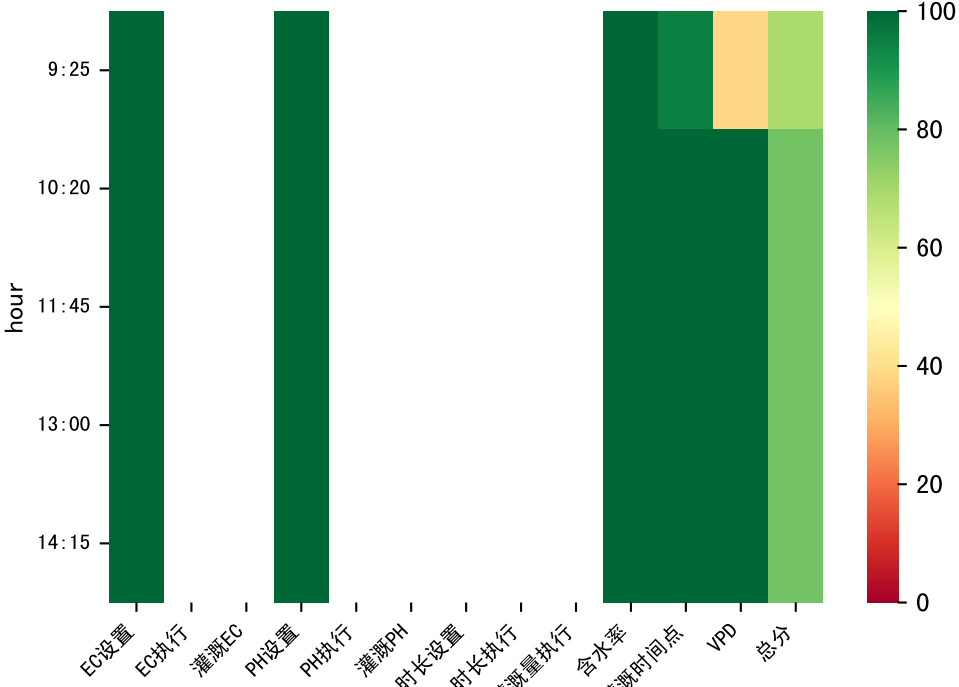

m=930, FVO=0, deltaM=-2.0
M_W
minute


Ws_W68
hour


m=550, FVO=0, deltaM=0.15
Ws_W68
minute


m=580, FVO=0, deltaM=0.04
Ws_W68
minute

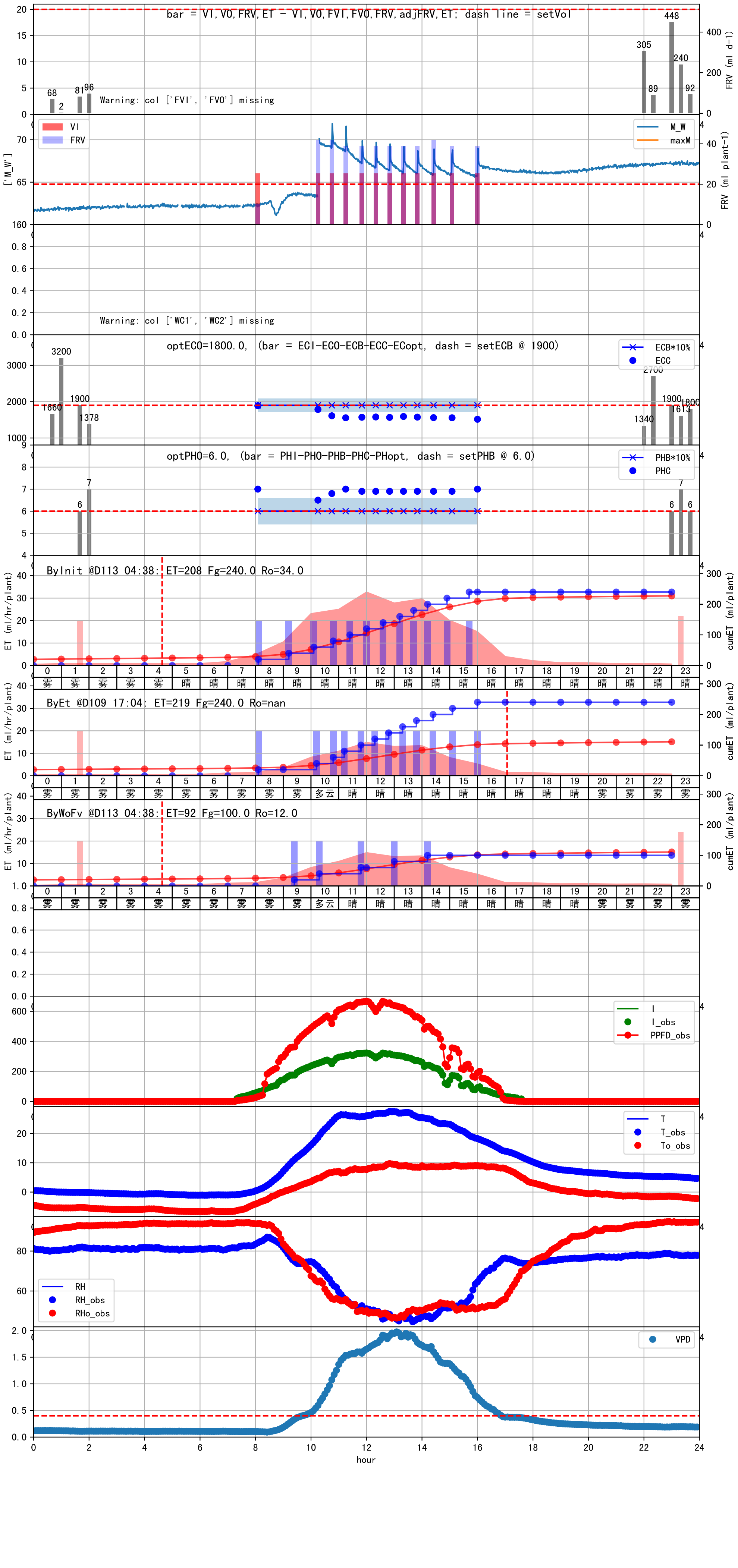

m=635, FV0=0, deltaM=0.05
m=675, FV0=0, deltaM=0.05
m=705, FV0=0, deltaM=0.04
m=735, FV0=0, deltaM=0.05
m=765, FV0=0, deltaM=0.05
m=795, FV0=0, deltaM=0.04
m=825, FV0=0, deltaM=0.05
m=855, FV0=0, deltaM=0.04
m=885, FV0=0, deltaM=0.04
m=930, FV0=0, deltaM=0.06
Ws_W68
minute

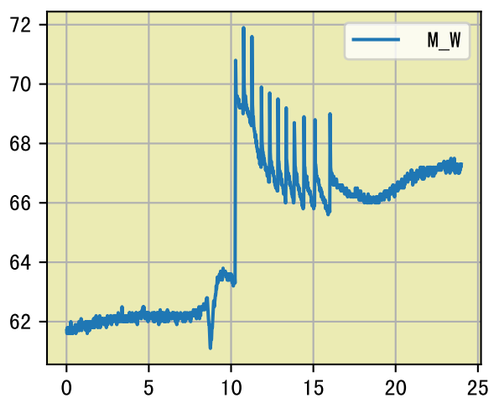

hour
9:25
10:20
11:45
13:00
14:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

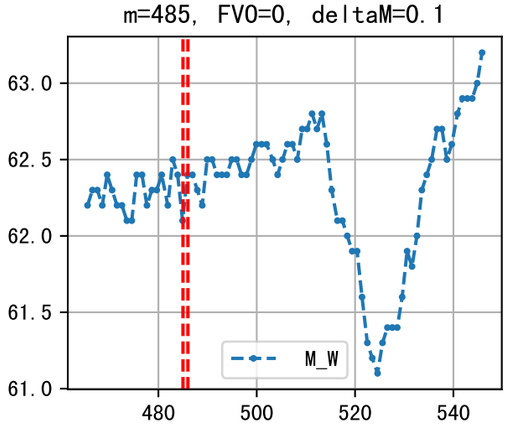
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	48	20.0	0.081	雾	假设@09:25 自动（未用传感器）
10:20	48	20.0	0.081	多云	假设@10:20 自动（未用传感器）
11:45	48	20.0	0.081	晴	假设@11:45 自动（未用传感器）
13:00	48	20.0	0.081	晴	假设@13:00 自动（未用传感器）
14:15	48	20.0	0.081	晴	假设@14:15 自动（未用传感器）
总计	240.0 (5次)	100.0			建议进液EC：1900， PH：6.0

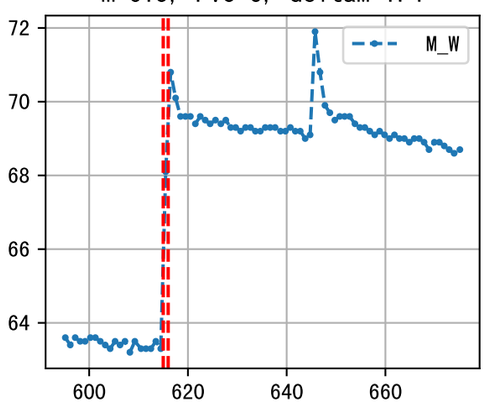
上次灌溉流速比平时大 (0.82 vs 0.58))，可能有多阀同灌或管道漏水
施肥机灌溉量与预期值不符 (39.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

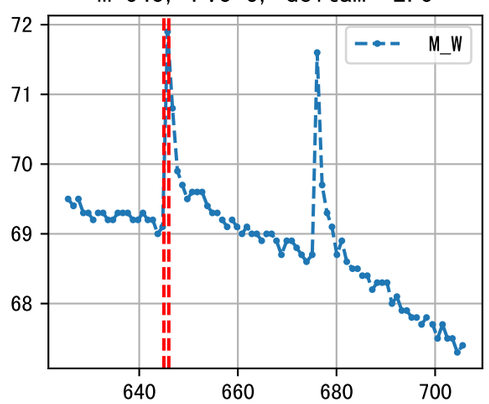
L1A4_4, Day=109 (2026-01-23)

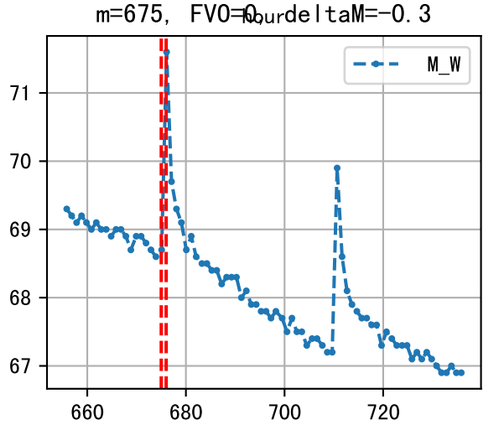


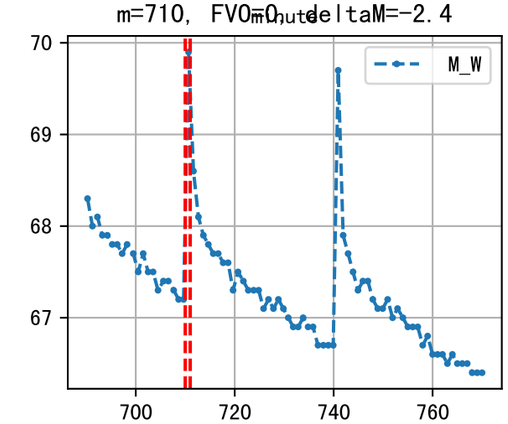

M_W

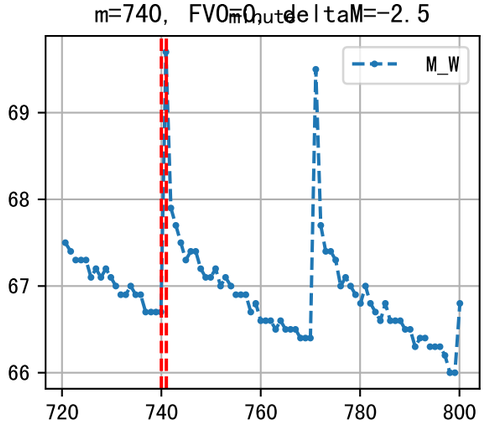

m=485, FVO=0, deltaM=0.1
M_W

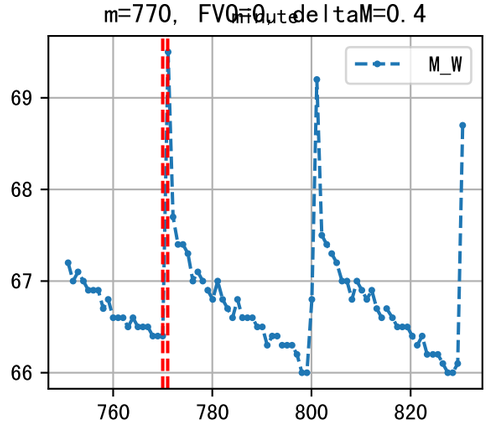

m=615, FVO=0, deltaM=1.4
M_W

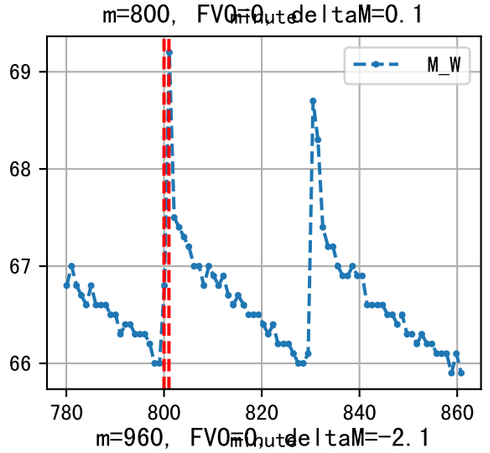

m=645, FVO=0, deltaM=-2.6
M_W

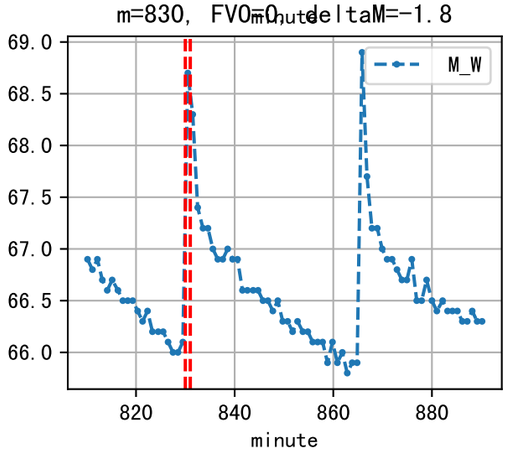

m=675, FVO=0, deltaM=-0.3
M_W

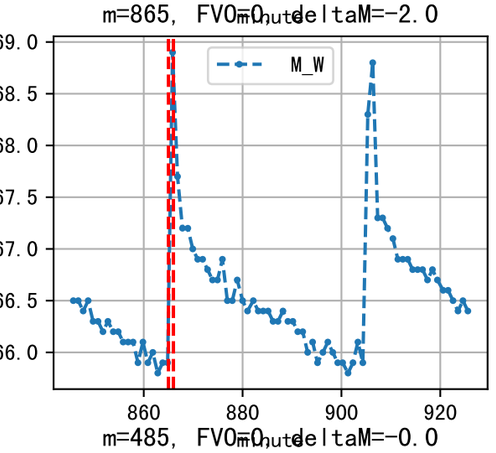

m=710, FVO=0, deltaM=-2.4
M_W

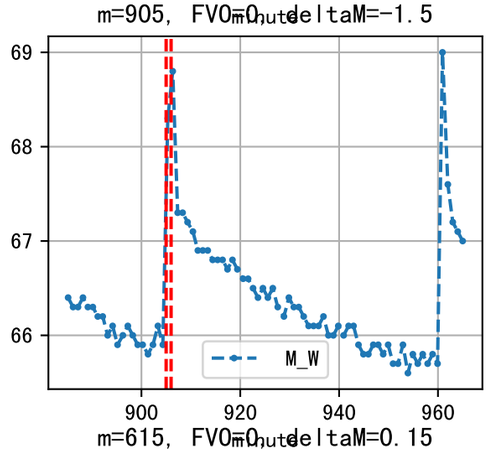

m=740, FVO=0, deltaM=-2.5
M_W

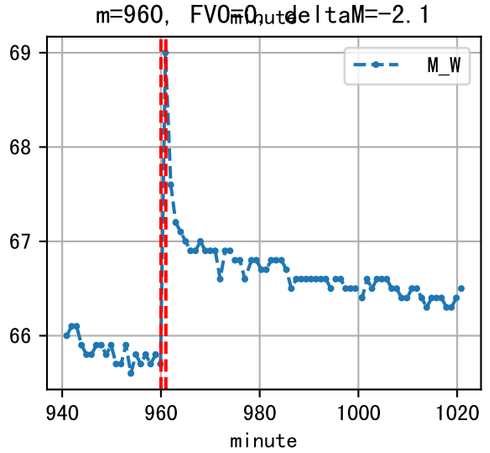

m=770, FVO=0, deltaM=0.4
M_W

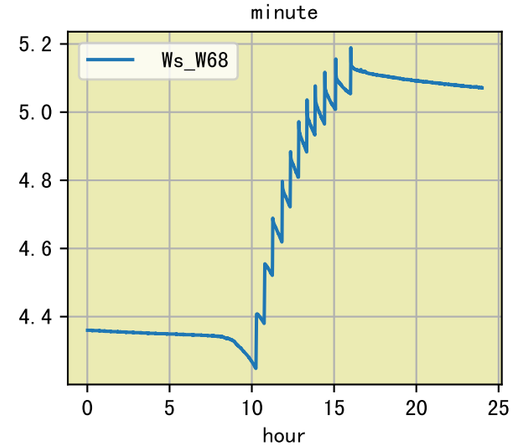

m=800, FVO=0, deltaM=0.1
M_W

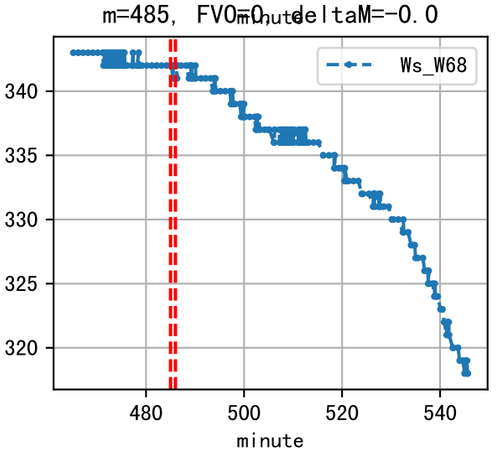

m=830, FVO=0, deltaM=-1.8
M_W
minute

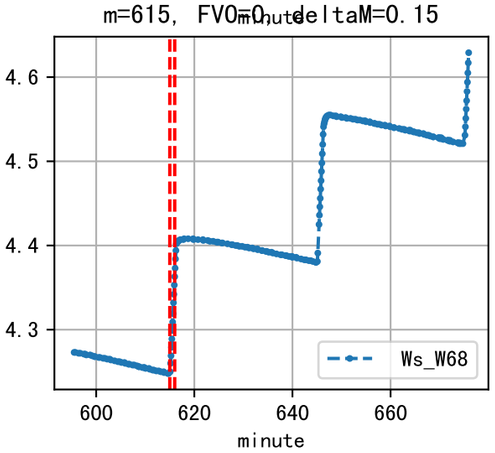

m=865, FVO=0, deltaM=-2.0
M_W

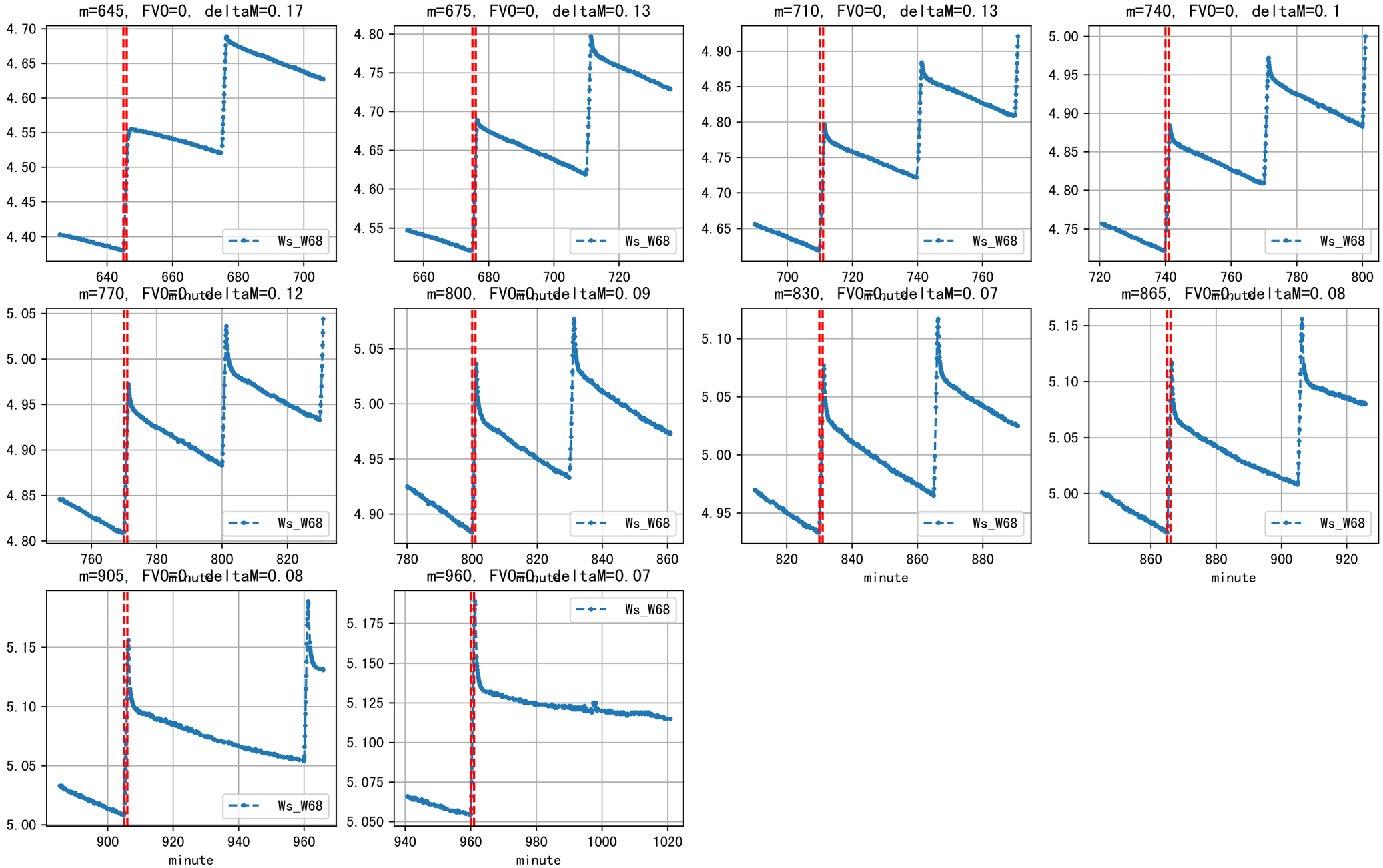

m=905, FVO=0, deltaM=-1.5
M_W


m=960, FVO=0, deltaM=-2.1
M_W
minute


Ws_W68
hour


m=485, FVO=0, deltaM=-0.0
Ws_W68
minute


m=615, FVO=0, deltaM=0.15
Ws_W68
minute


m=645, FV0=0, deltaM=0.17
m=675, FV0=0, deltaM=0.13
m=710, FV0=0, deltaM=0.13
m=740, FV0=0, deltaM=0.1
m=770, FV0=0, deltaM=0.12
m=800, FV0=0, deltaM=0.09
m=830, FV0=0, deltaM=0.07
m=865, FV0=0, deltaM=0.08
m=905, FV0=0, deltaM=0.08
m=960, FV0=0, deltaM=0.07
Ws_W68
minute