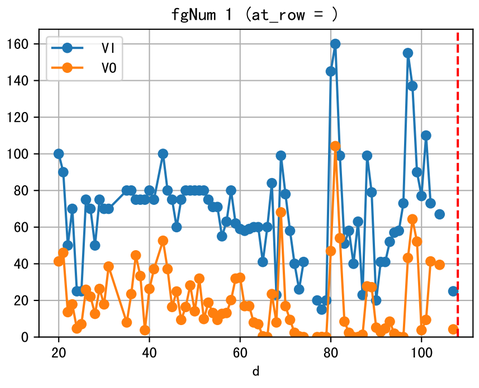
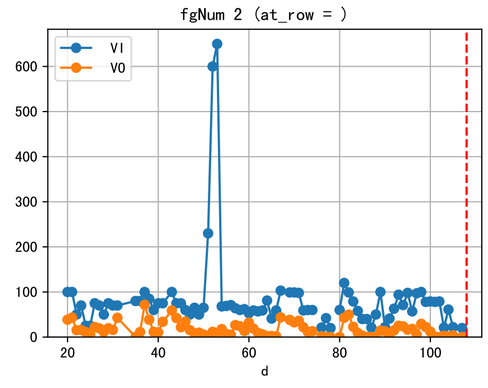
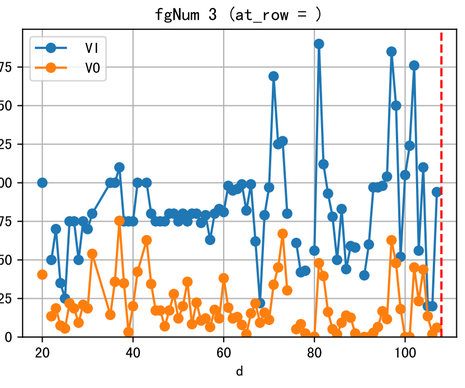
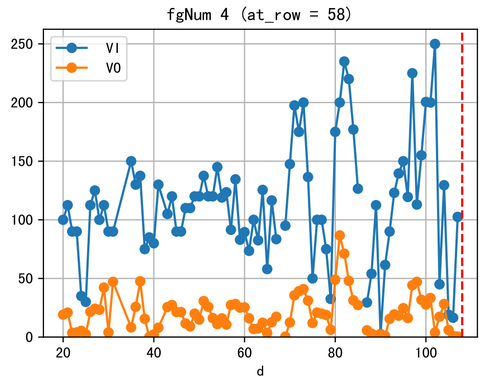
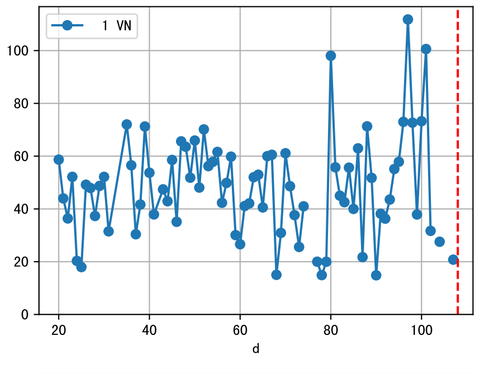
FgArea: ['4']
NJ15 L1
2026-01-22 (Day 108)

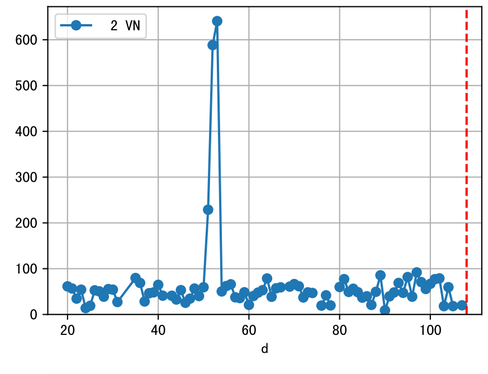

fgNum 1 (at_row =)
VI
VO
d

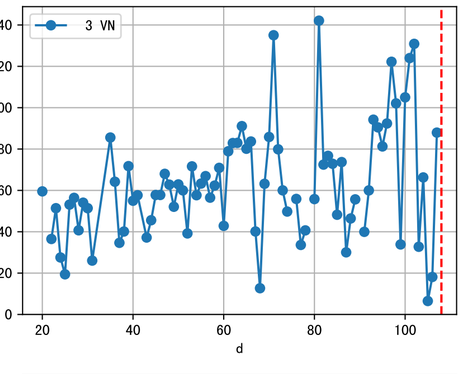

fgNum 2 (at_row =)
VI
VO
d

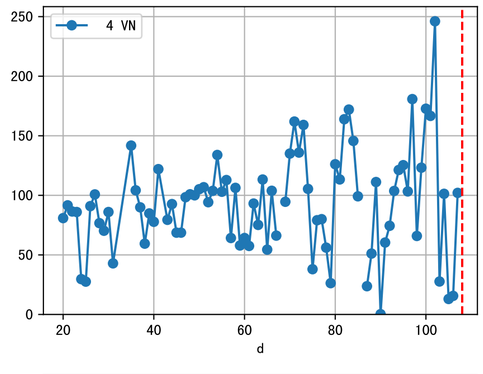

fgNum 3 (at_row =)
VI
VO
d

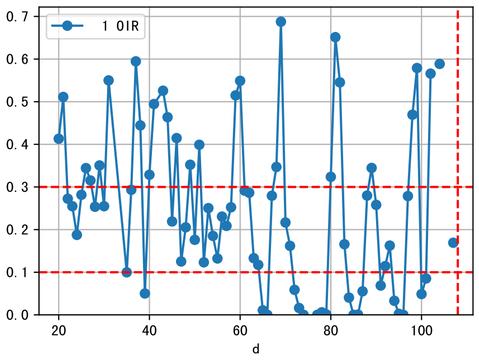

fgNum 4 (at_row = 58)
VI
VO
d

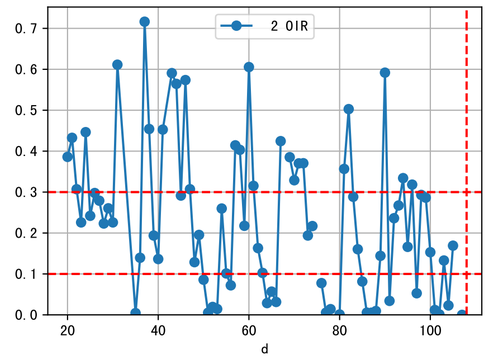

1 VN
d

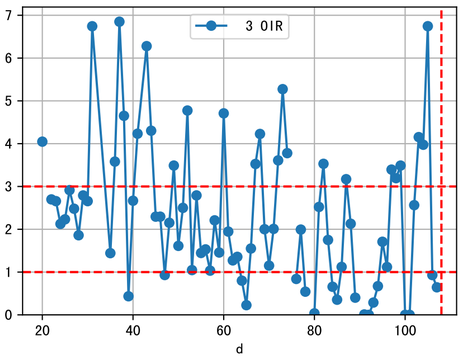

2 VN
d

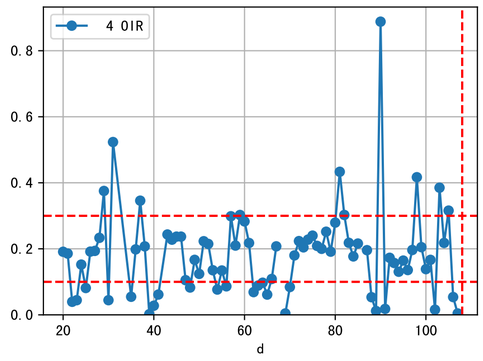

3 VN
d

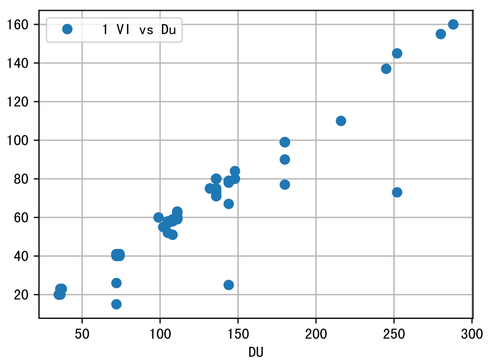

4 VN
d

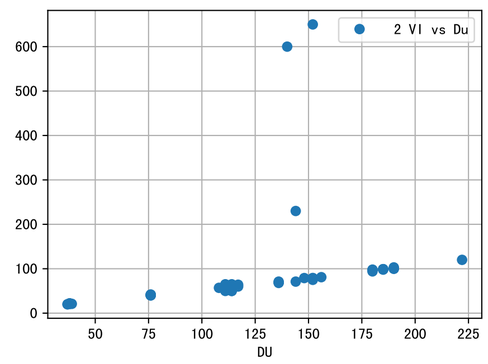

1 OIR
d

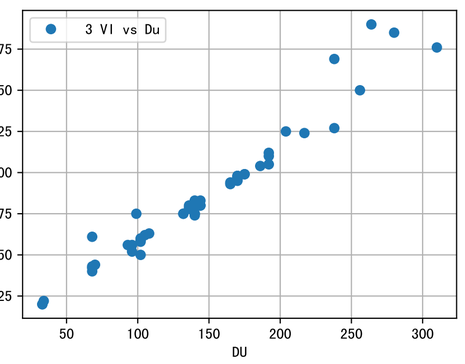

2 OIR
d

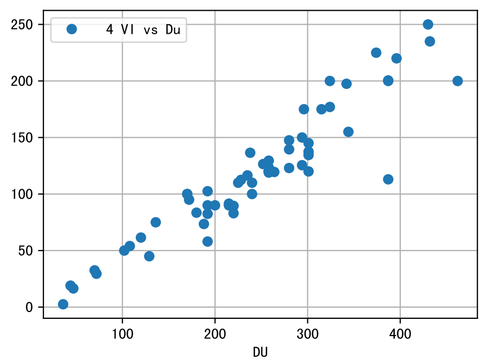

3 OIR
d

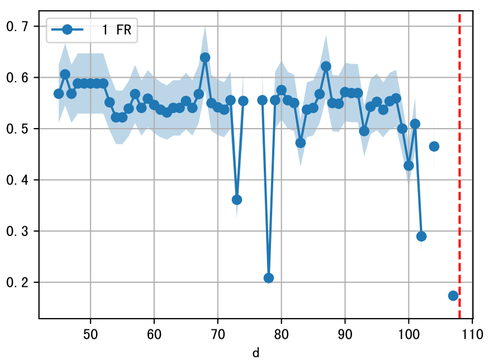

4 OIR
d

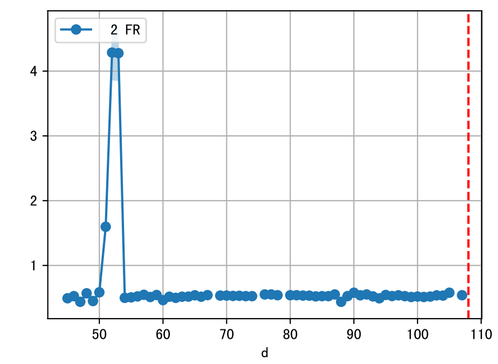

1 VI vs Du
DU

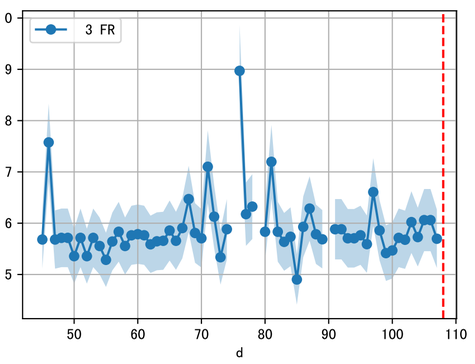

2 VI vs Du
DU

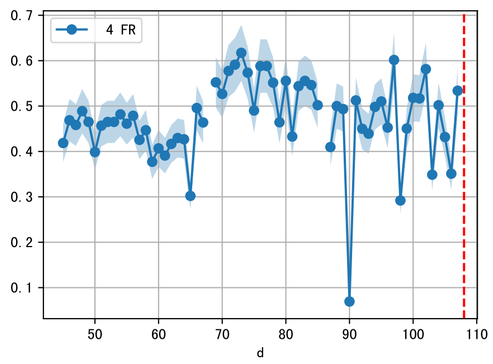

3 VI vs Du
DU

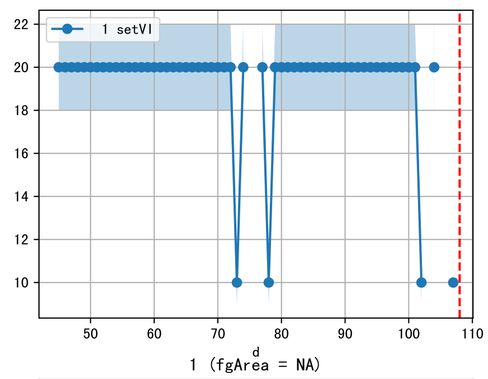

4 VI vs Du
DU

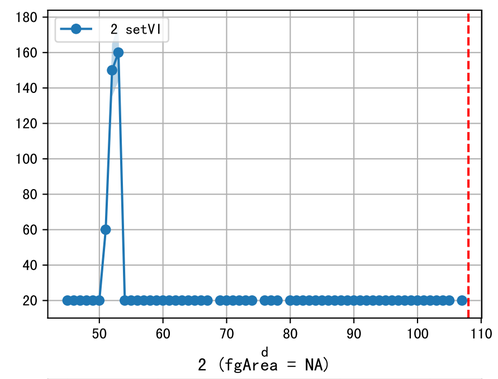

1 FR
d

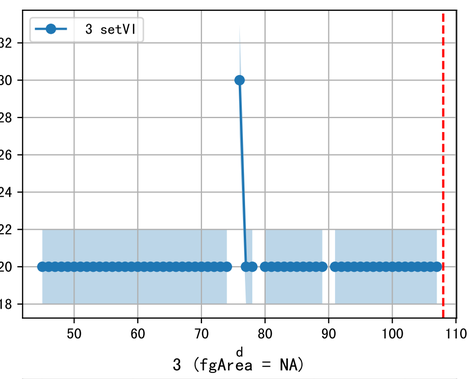

2 FR
d

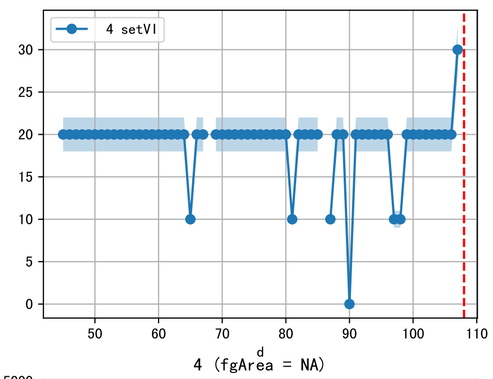

3 FR
d

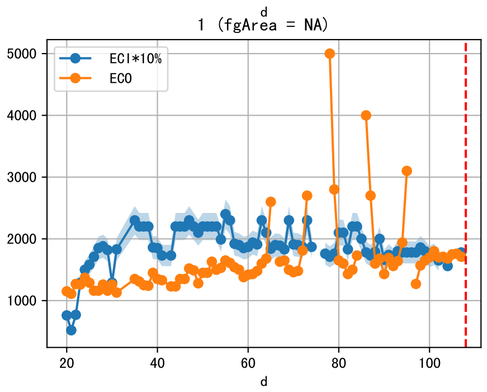

4 FR
d

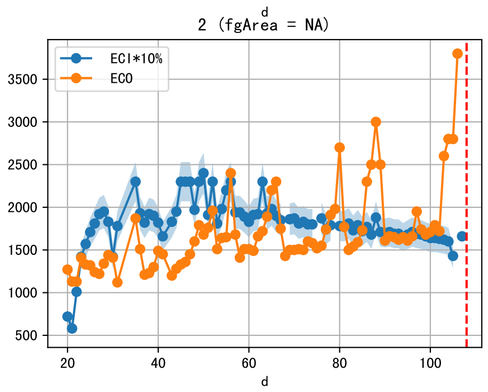

1 setVI
d

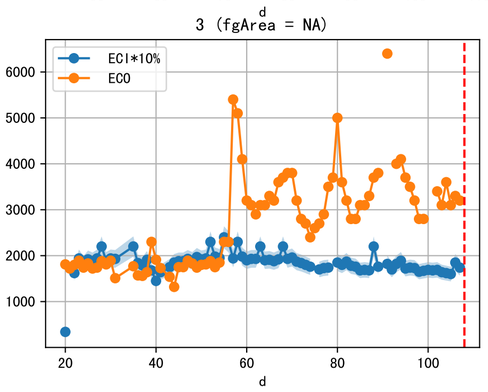

2 setVI
d

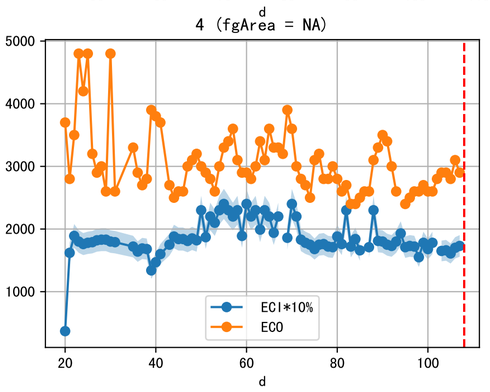

3 setVI
d

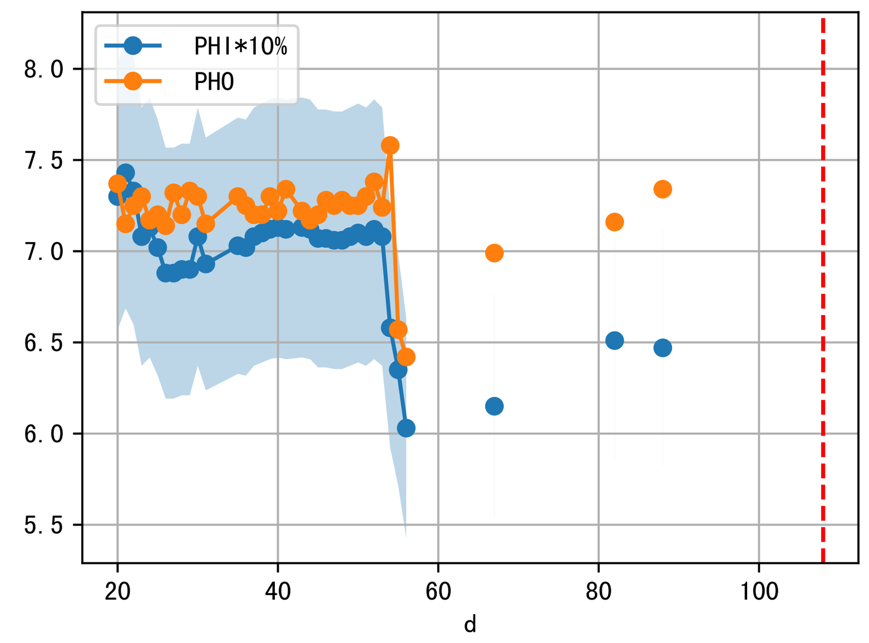

4 setVI
d

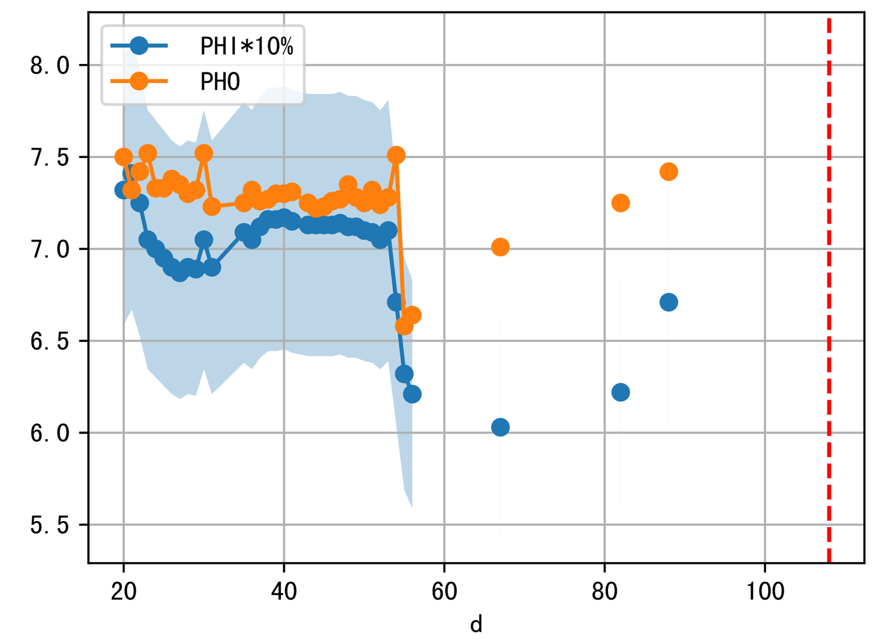

1 (fgArea = NA)
ECI*10%
ECO
d

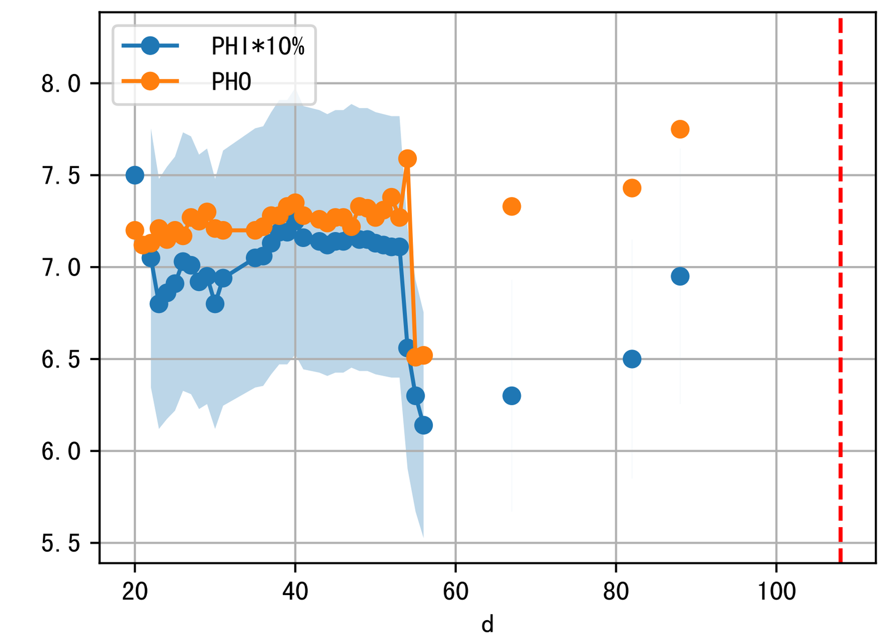

2 (fgArea = NA)
ECI*10%
ECO
d

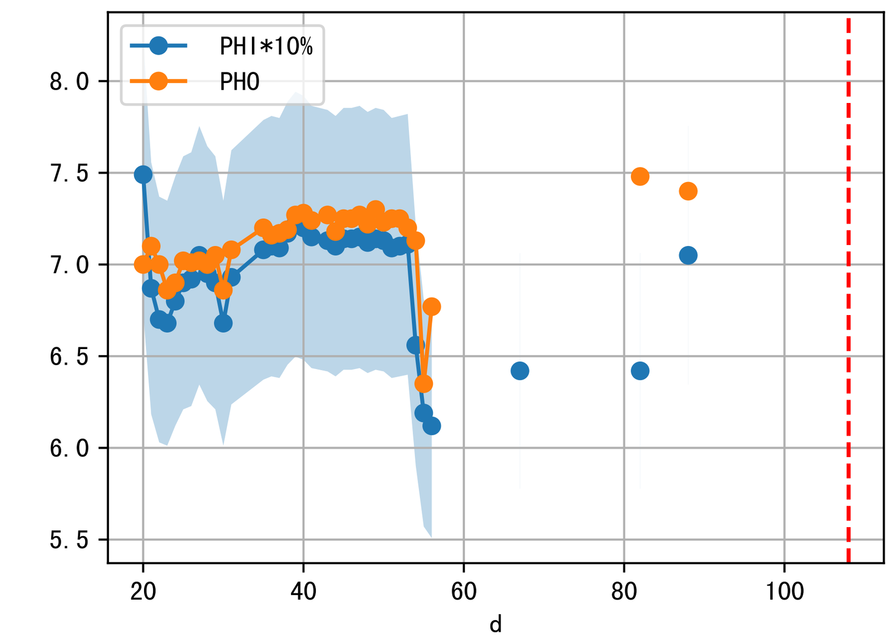

3 (fgArea = NA)
ECI*10%
ECO
d

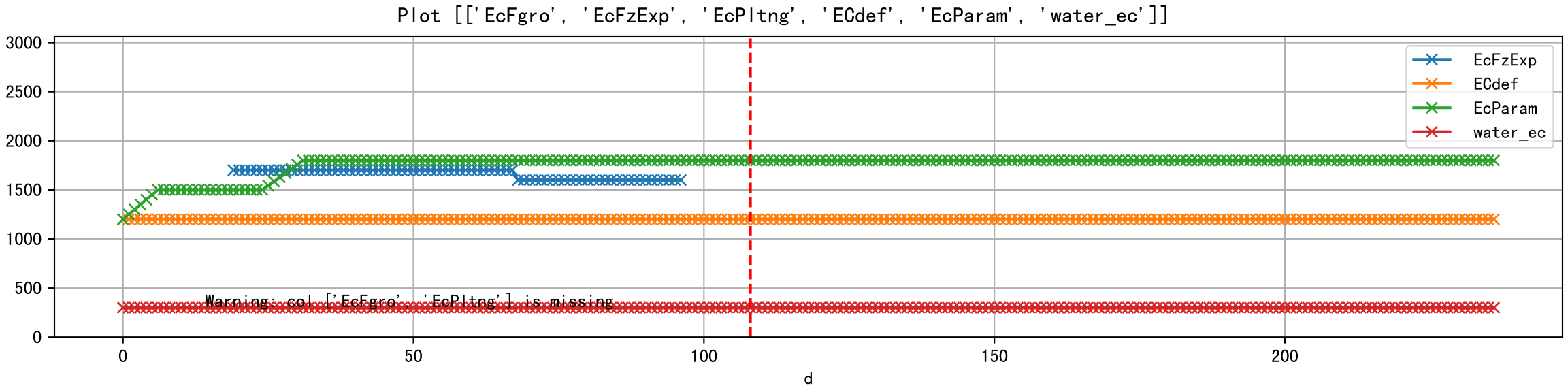

4 (fgArea = NA)
ECI*10%
ECO
d

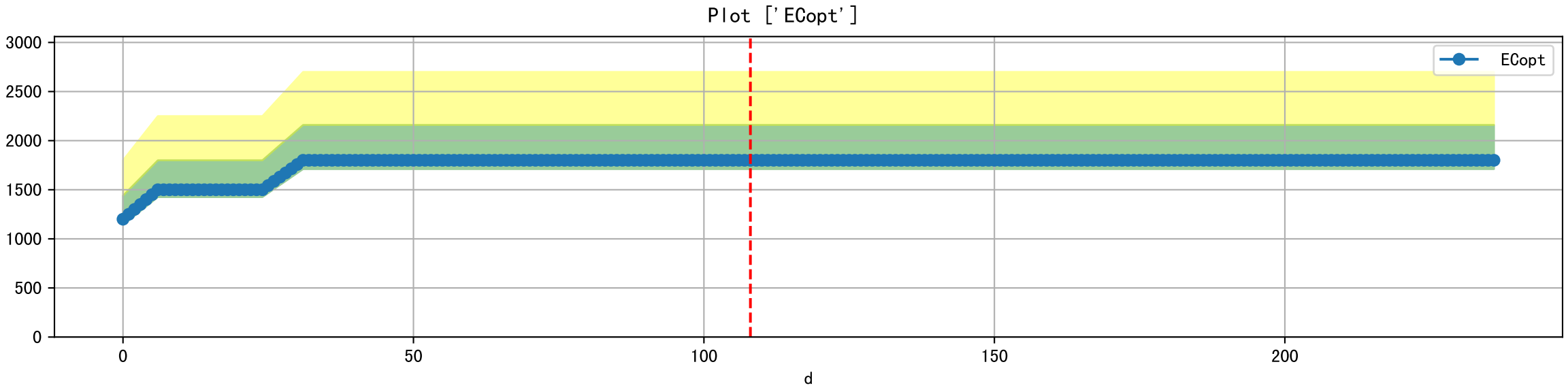

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d


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

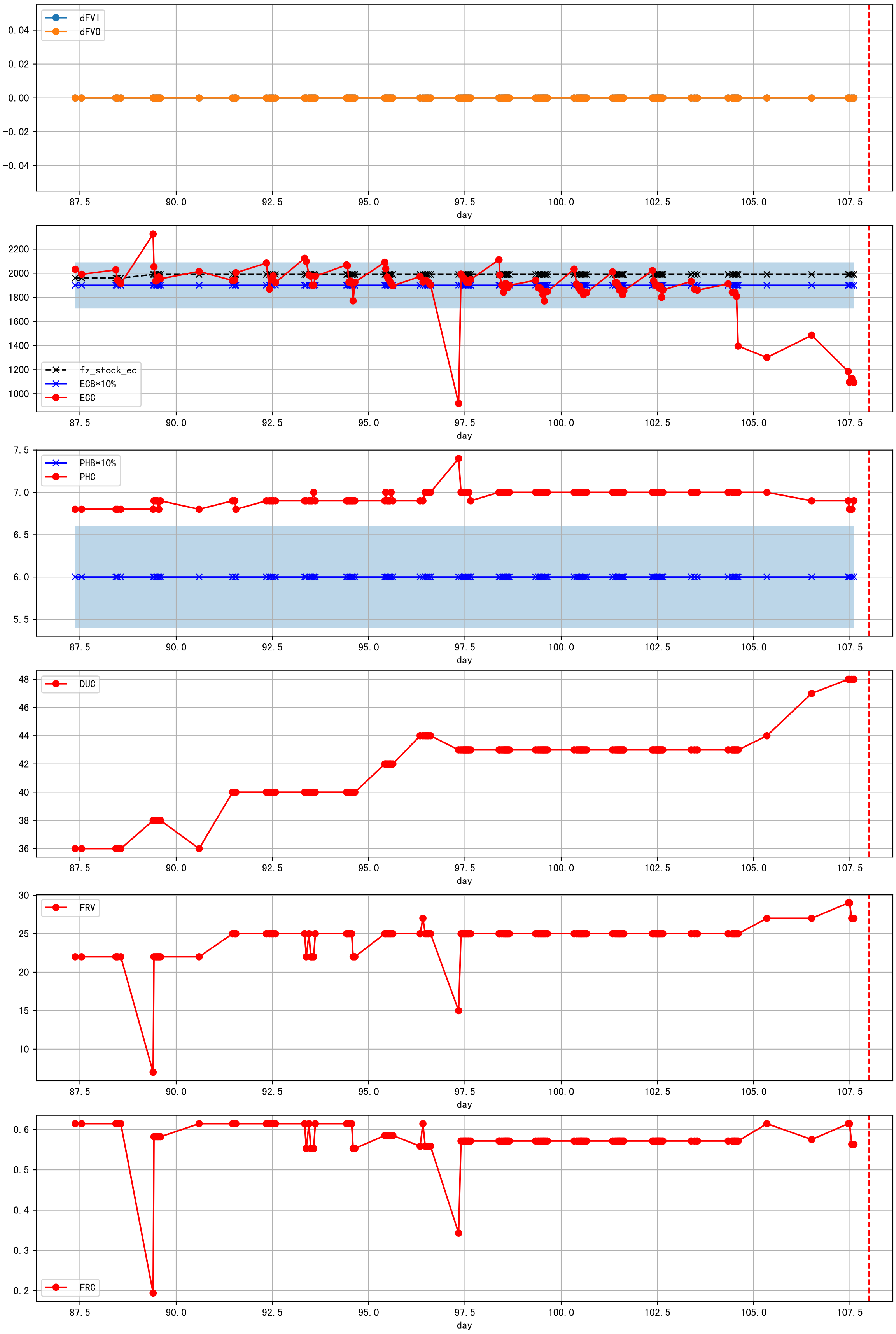

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

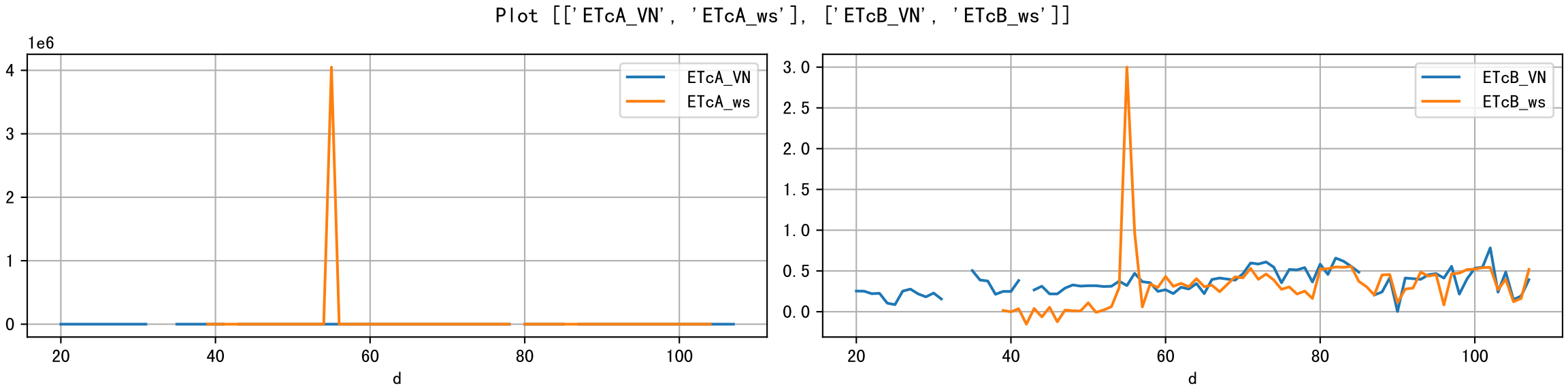

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

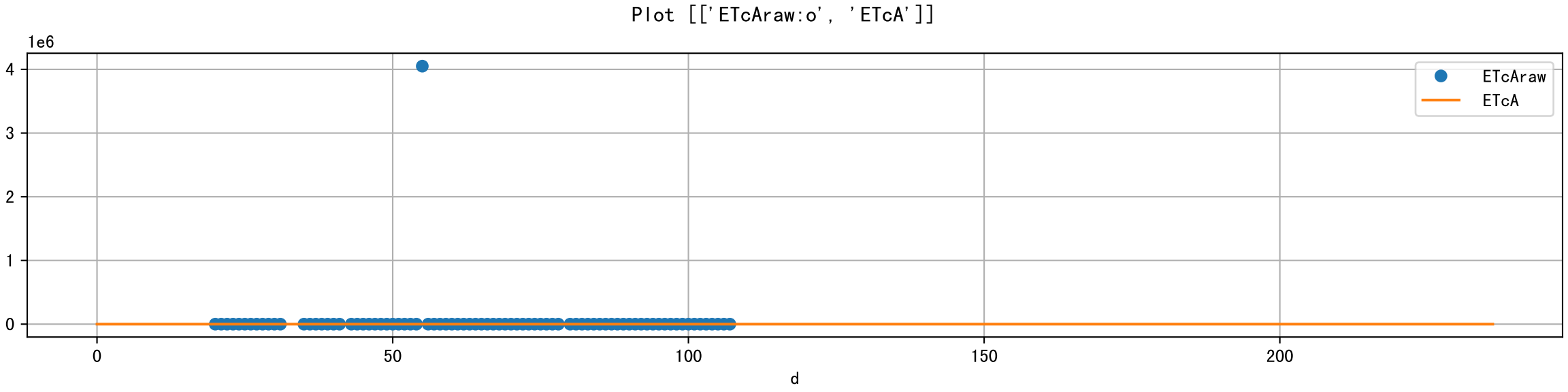

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

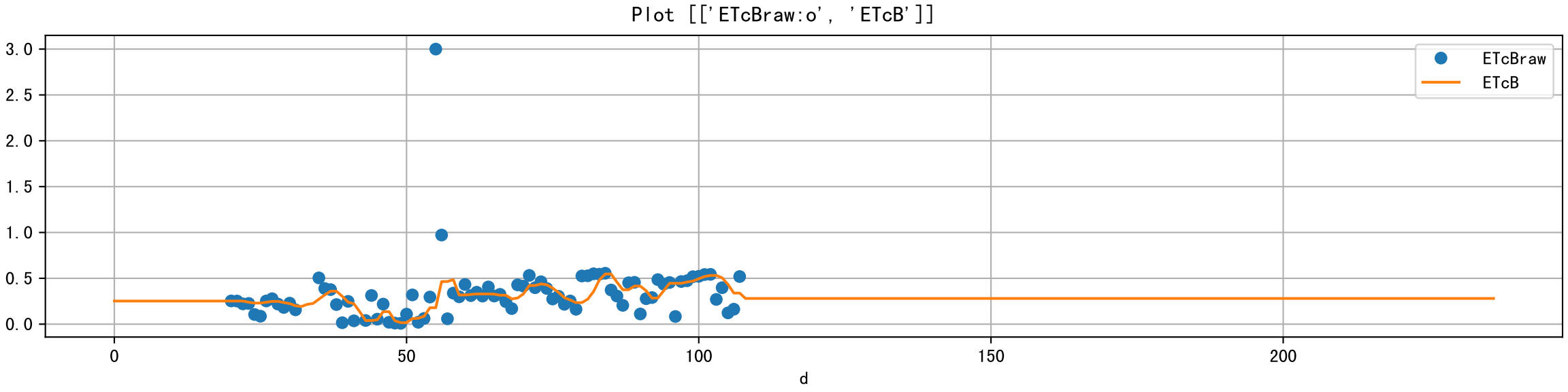

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

Plot Sensor and FgRec Data

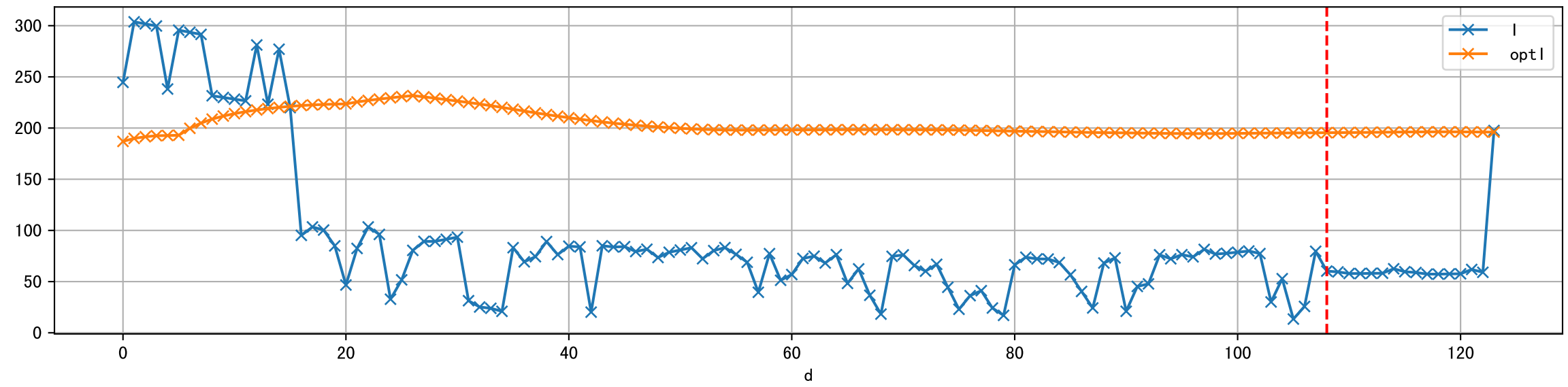


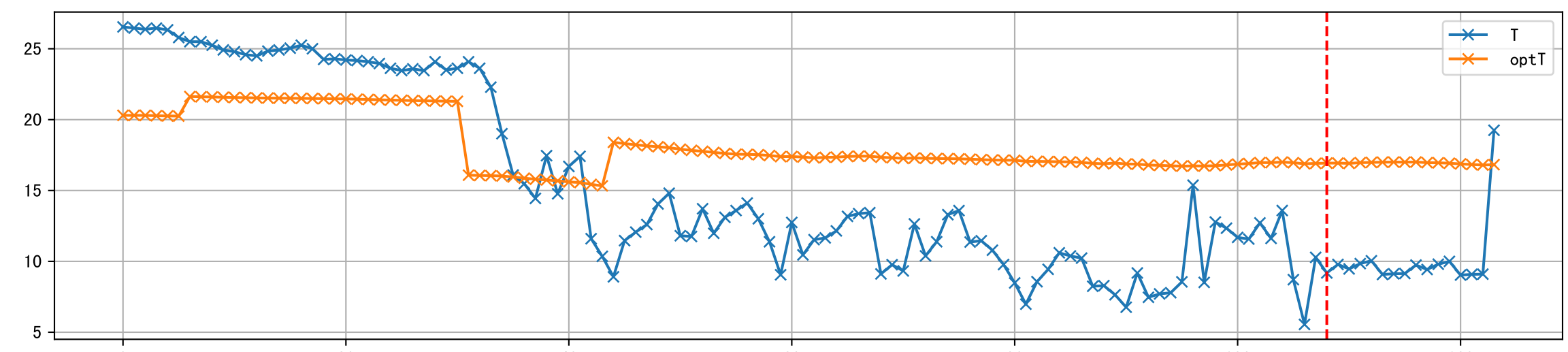

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
1e6
4
3
2
1
0
20
40
60
80
100
d
ETcA_VN
ETcA_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
d
ETcB_VN
ETcB_ws

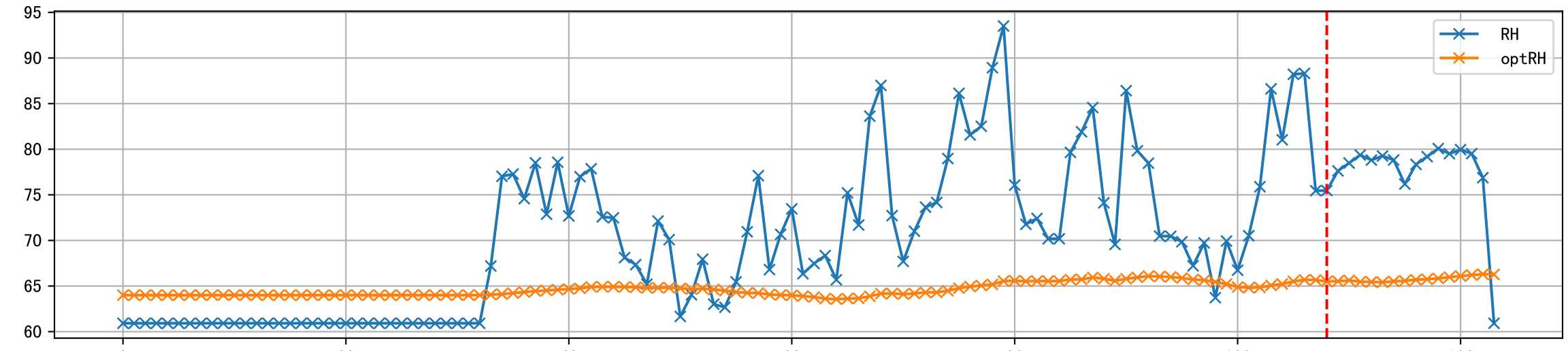

Plot [['ETcAraw:o', 'ETcA']]
1e6
4
3
2
1
0
0
50
100
150
200
d
ETcAraw
ETcA

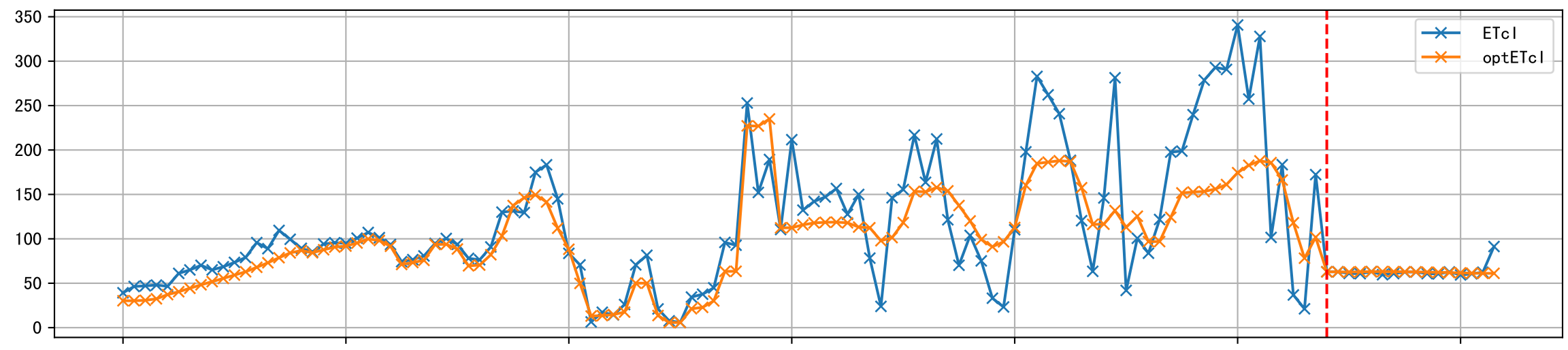

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

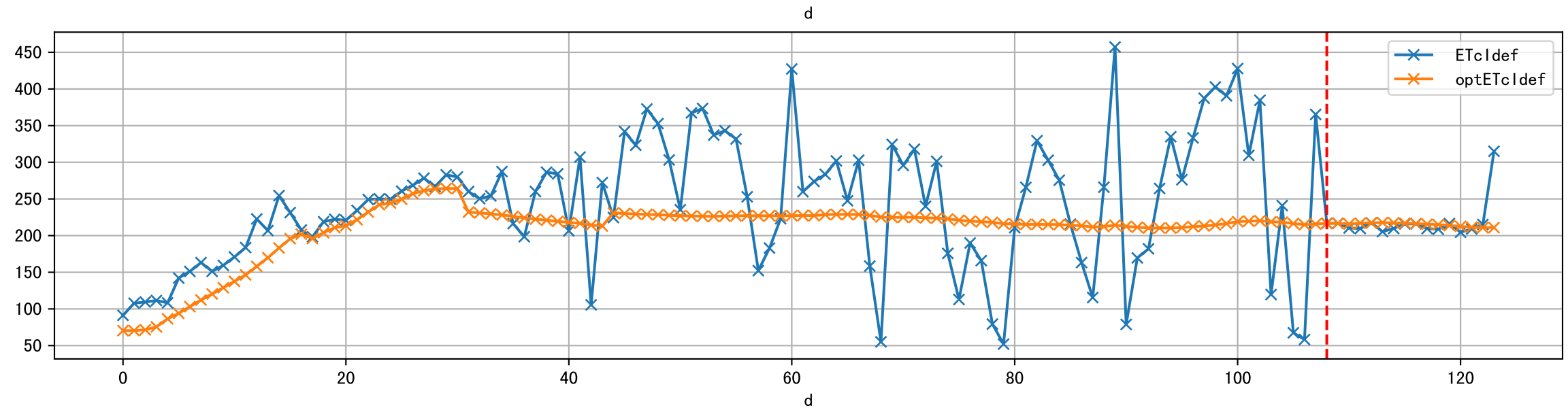
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcl', 'optETcl'], ['ETcldef', 'optETcldef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

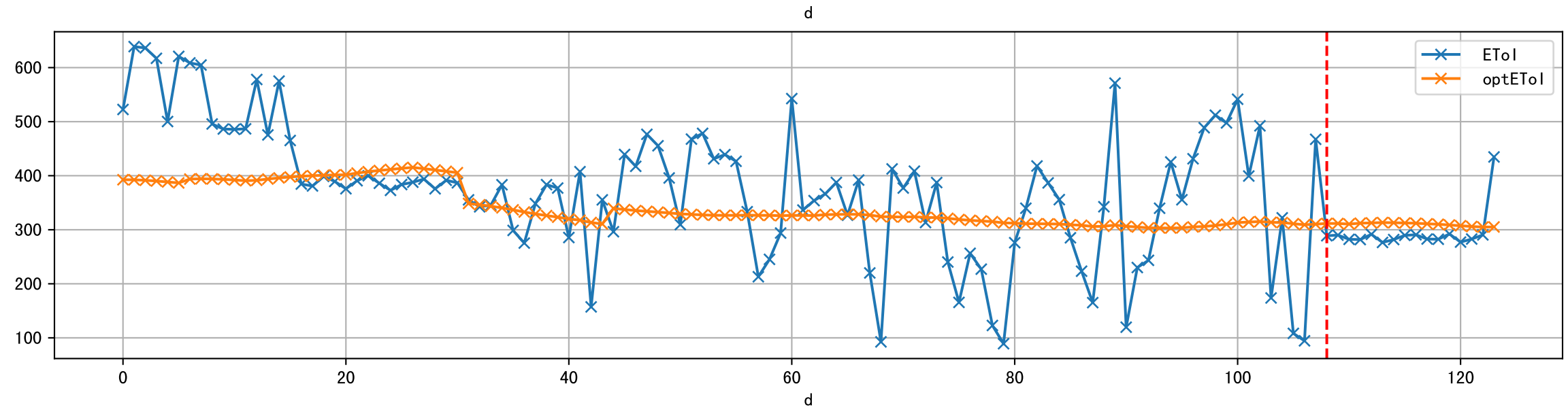


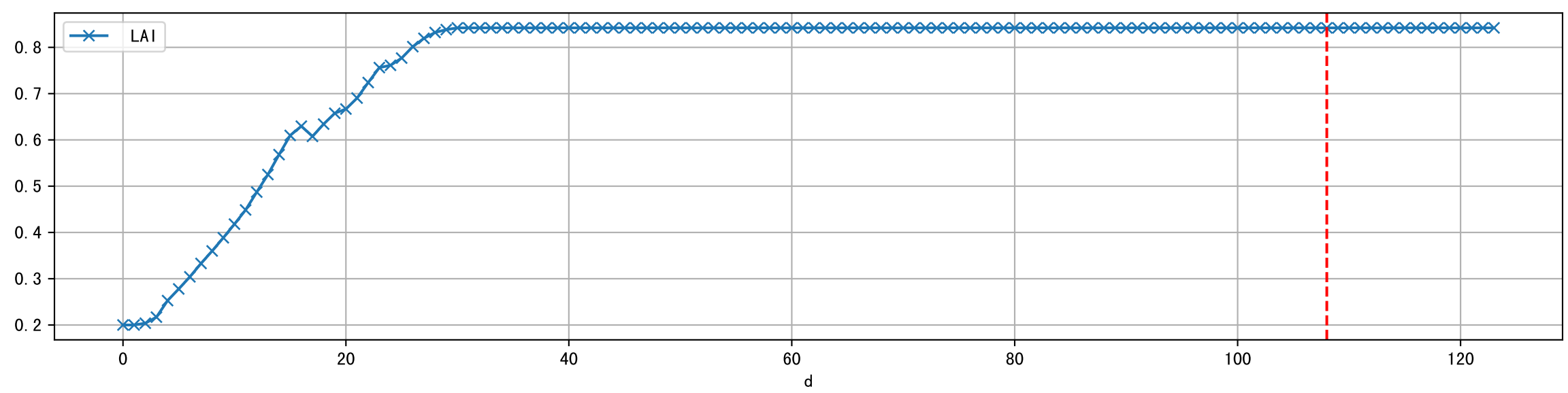


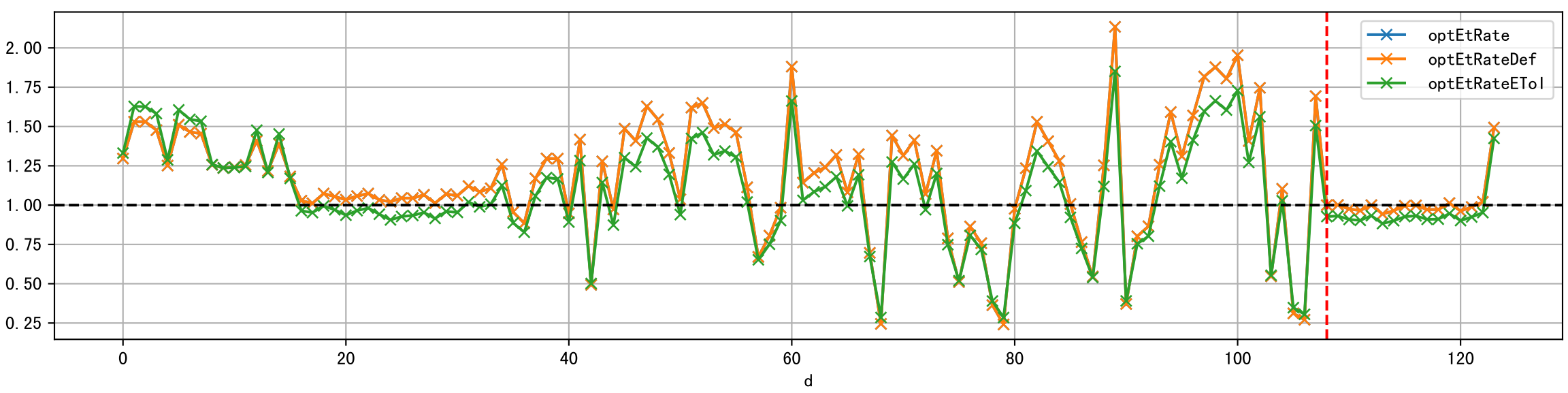


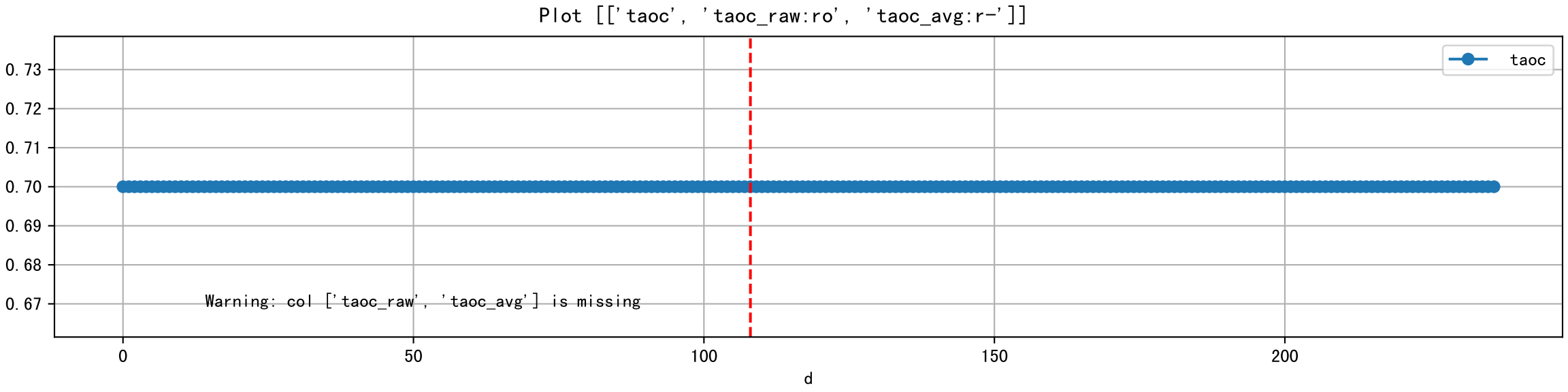


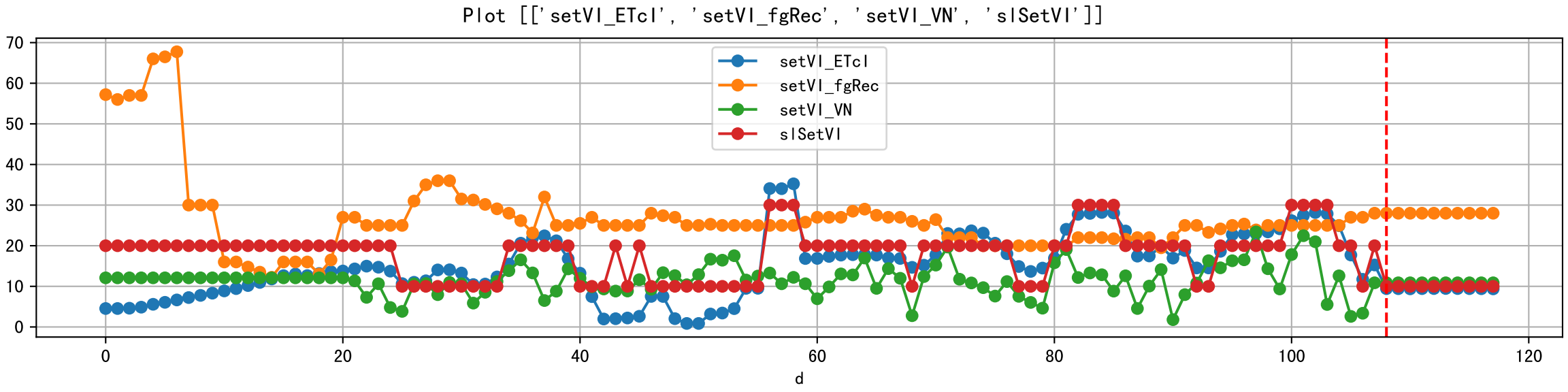


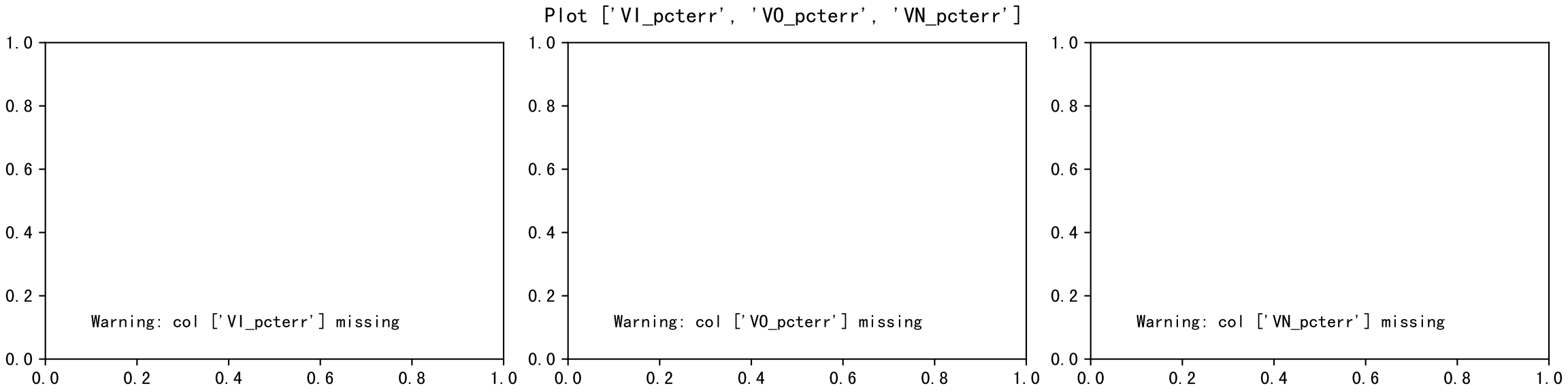


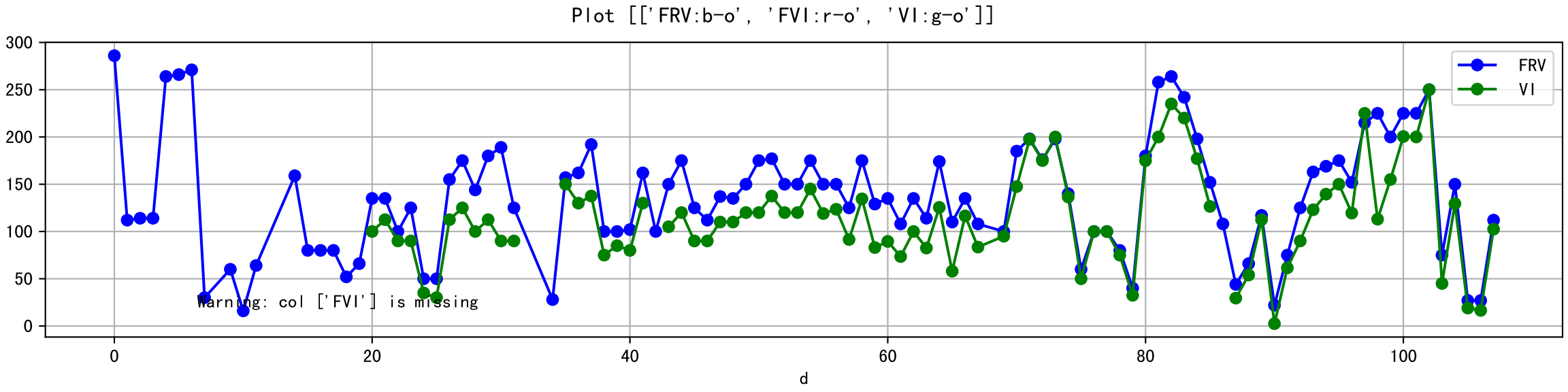


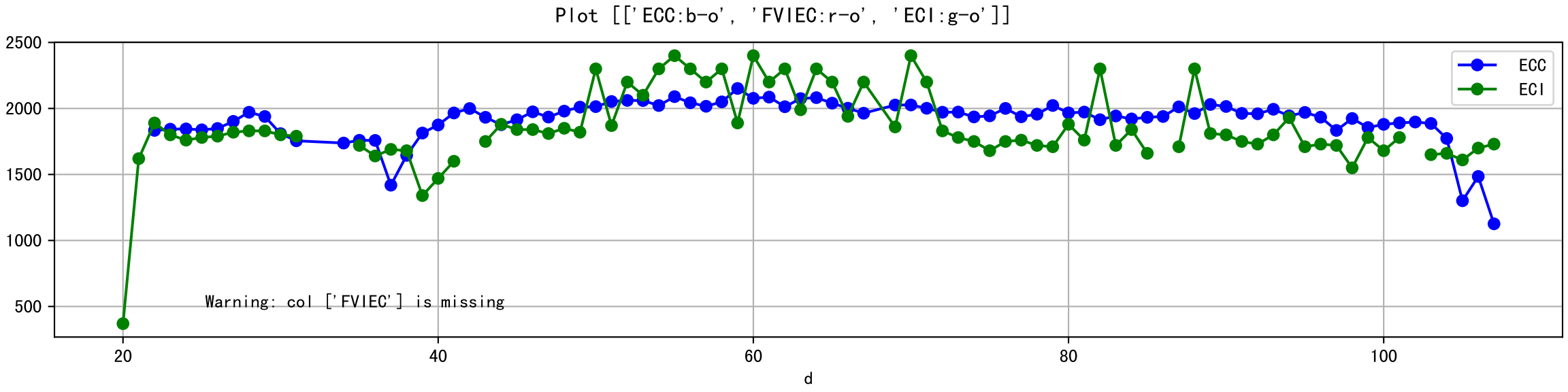


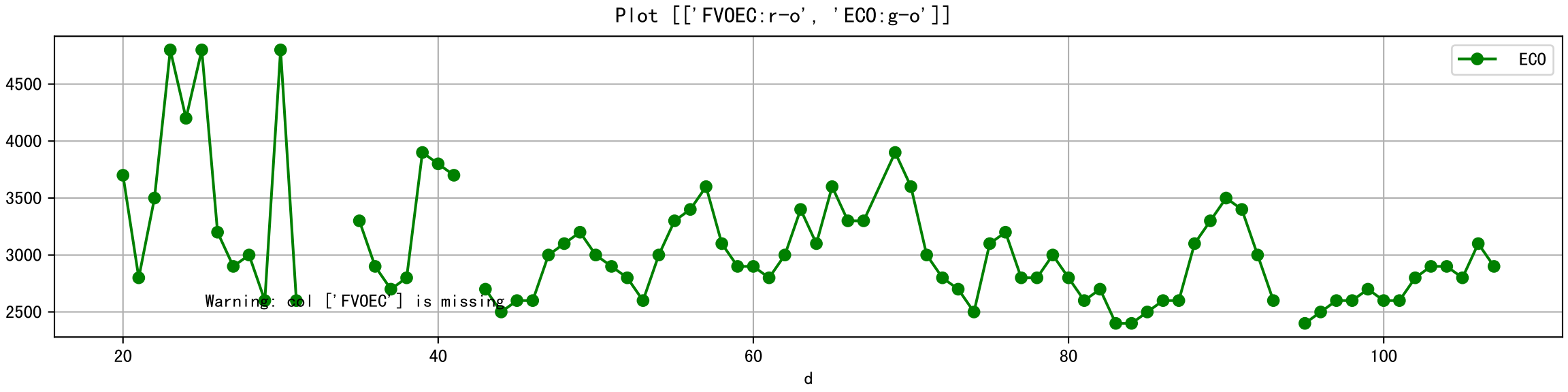

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

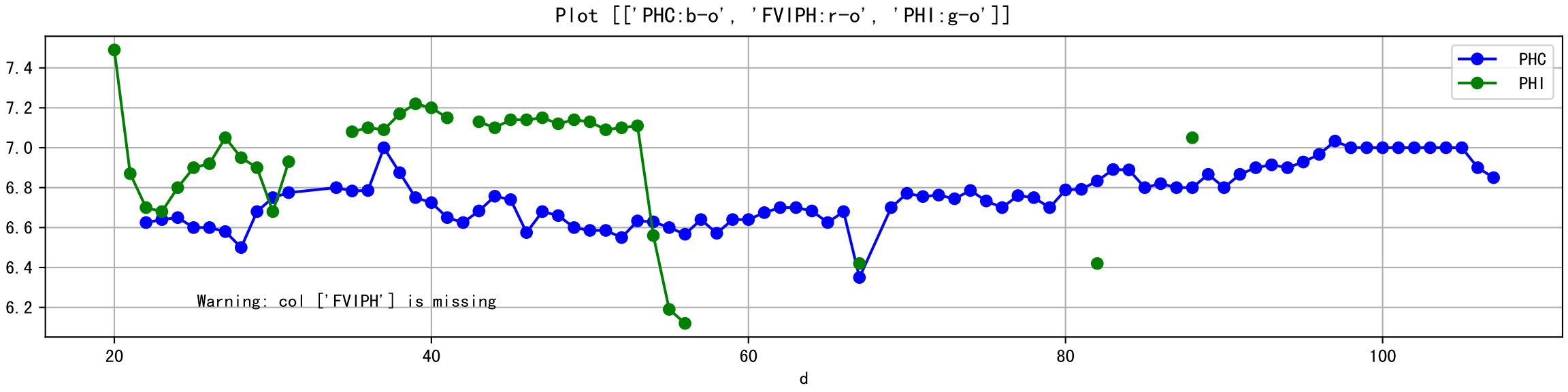

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
70
60
50
40
30
20
10
0
0
20
40
60
80
100
120
d

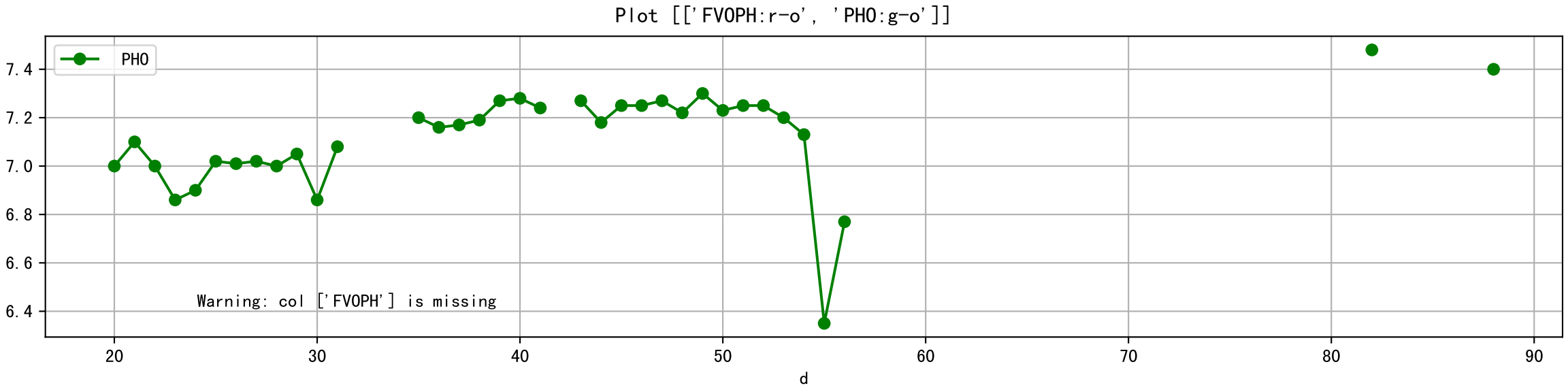

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

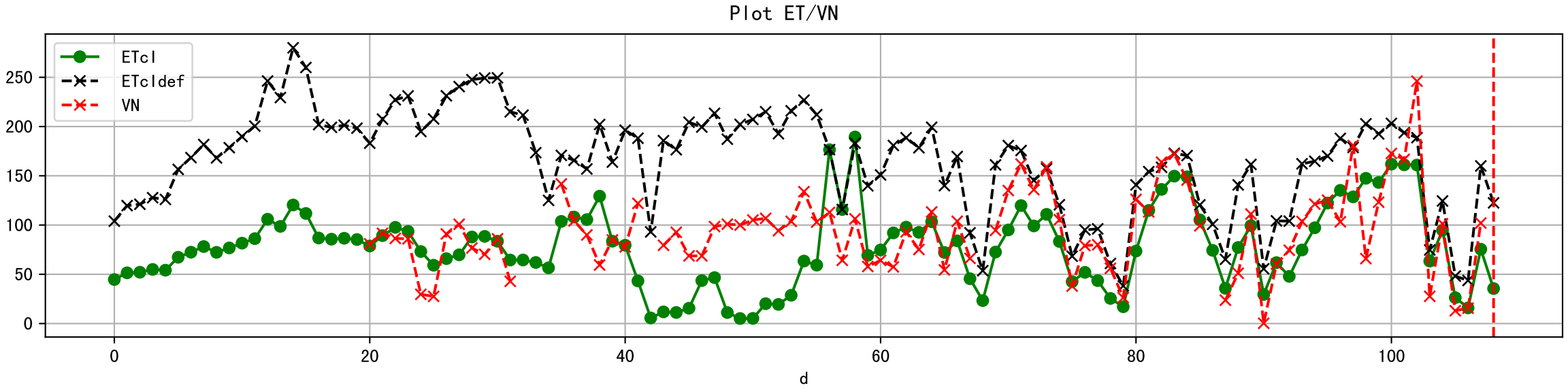

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
Warning: col ['FVI'] is missing
FRV
VI
d
0
20
40
60
80
100
0
50
100
150
200
250
300

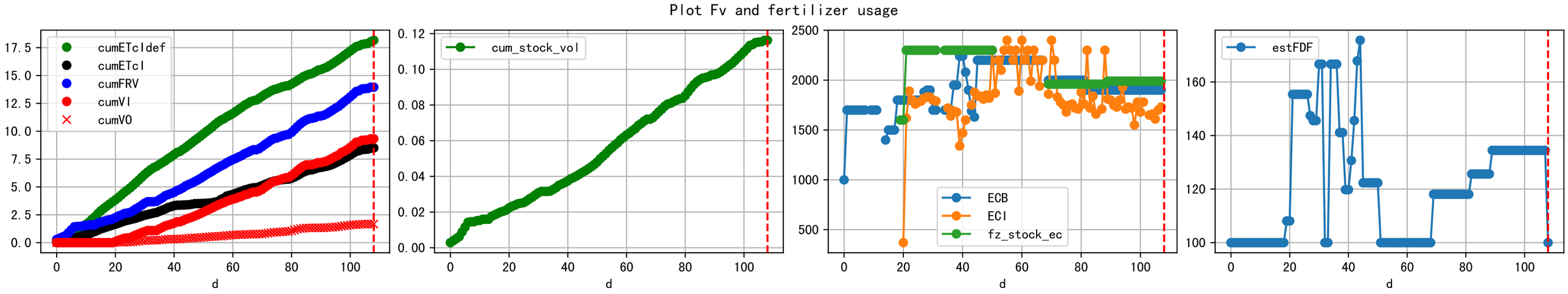

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
d
ECC
ECI
Warning: col ['FVIEC'] is missing

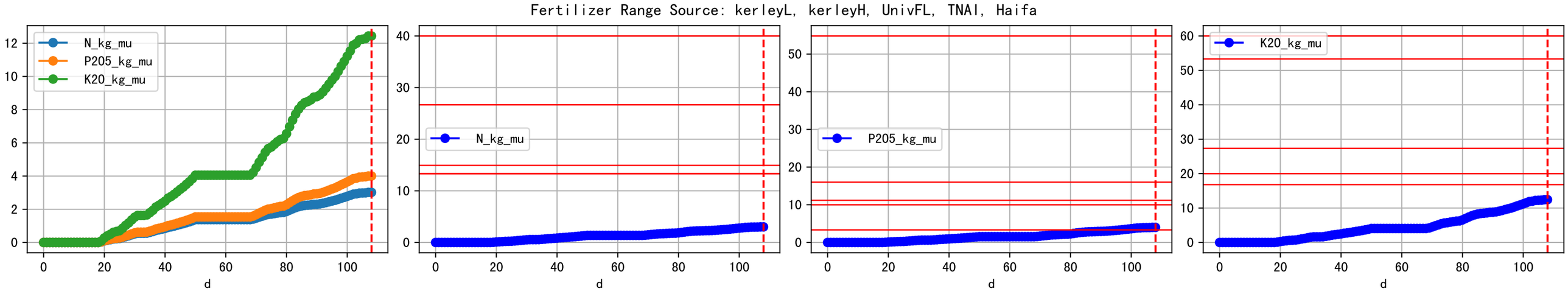

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
20
40
60
80
100
d

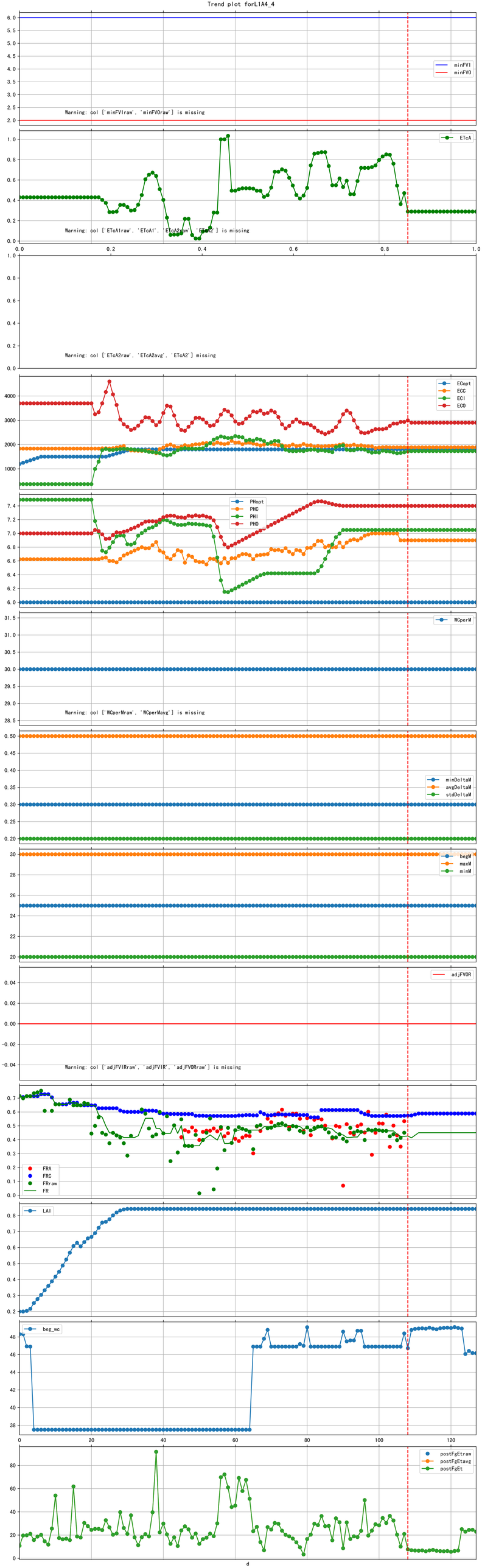

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
d

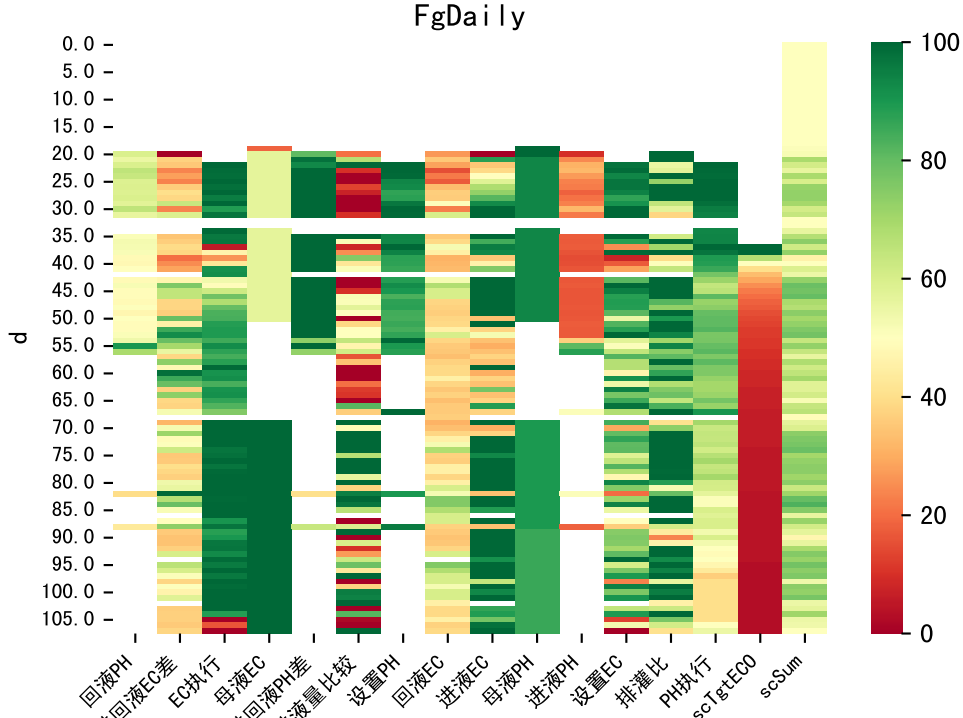

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
7.4
7.2
7.0
6.8
6.6
6.4
Warning: col ['FVOPH'] is missing
20
30
40
50
60
70
80
90
d


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

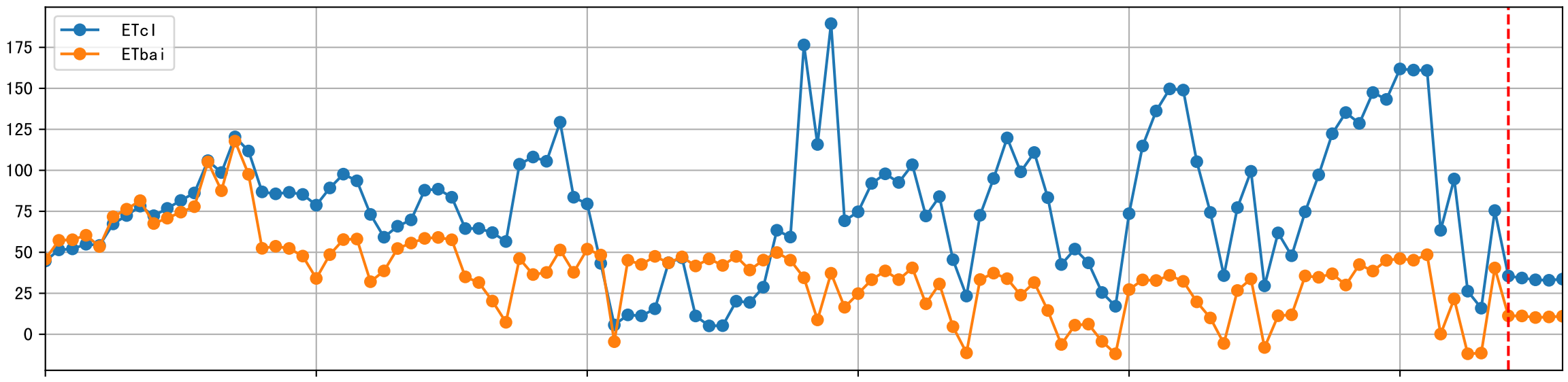

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

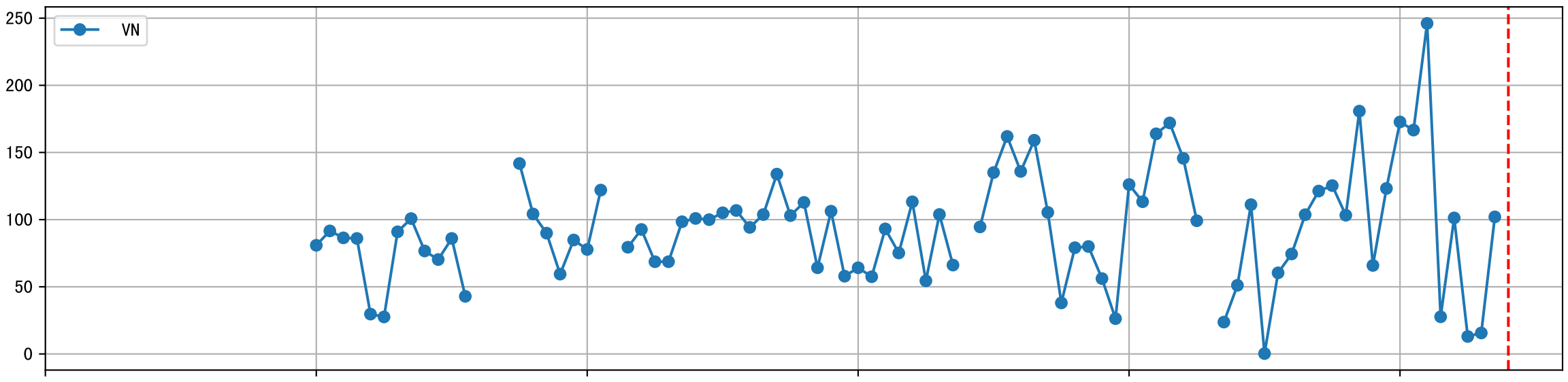

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

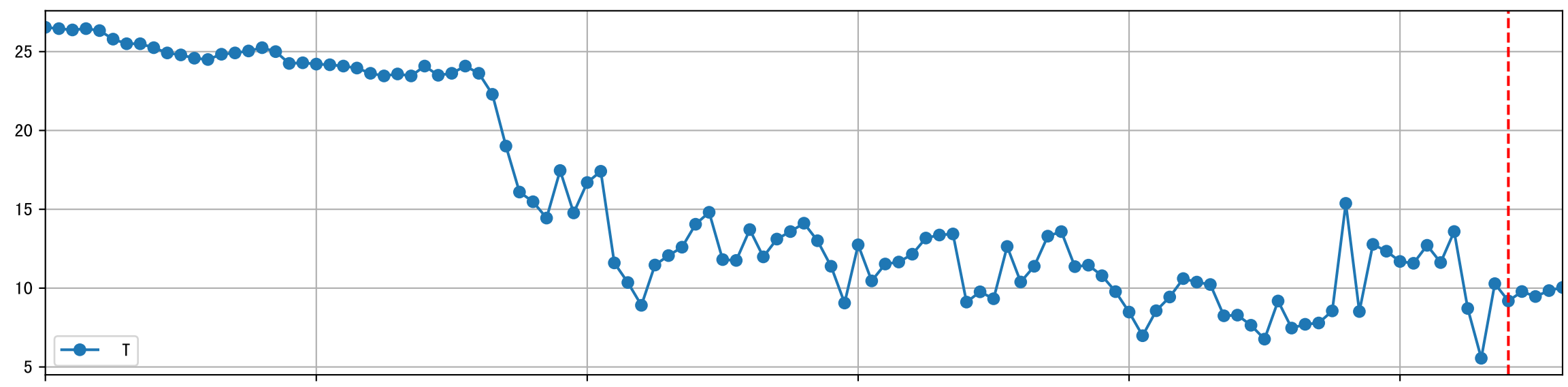

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is 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

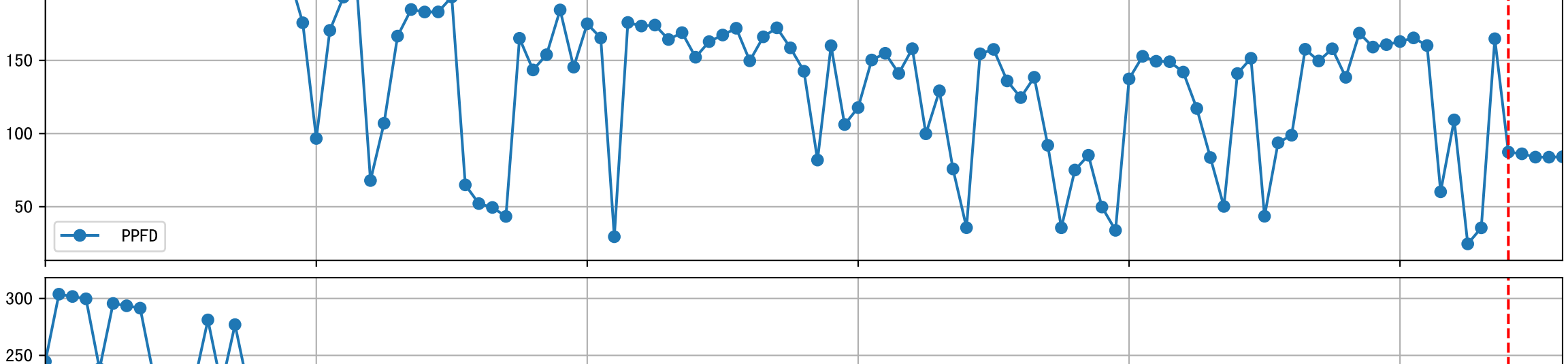

FgDaily
d
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
65.0
70.0
75.0
80.0
85.0
90.0
95.0
100.0
105.0
100
80
60
40
20
0
回液PH
回液EC差
EC执行
母液EC
回液PH差
液量比较
设置PH
回液EC
进液EC
母液PH
进液PH
设置EC
排灌比
PH执行
scTgtEC0
scSum

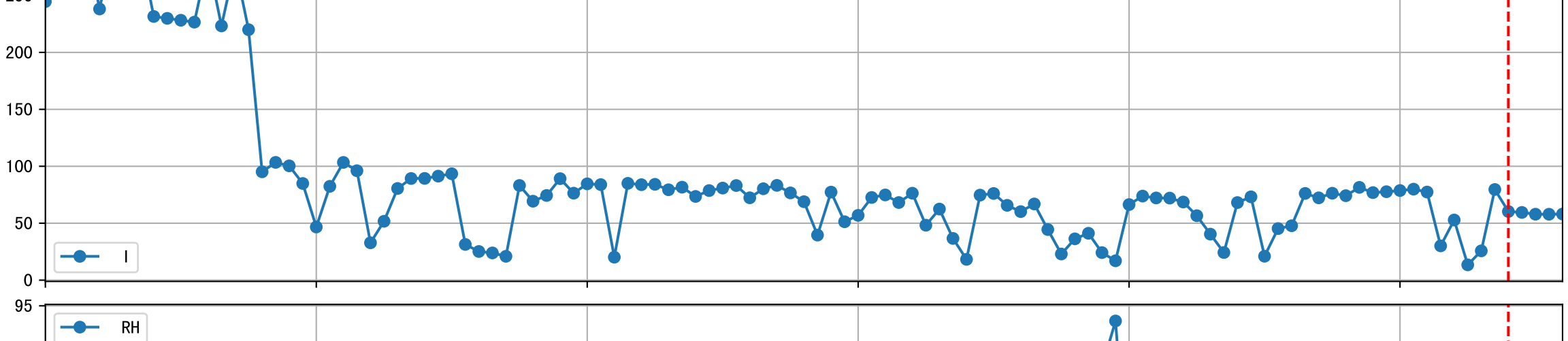
L1A4_4

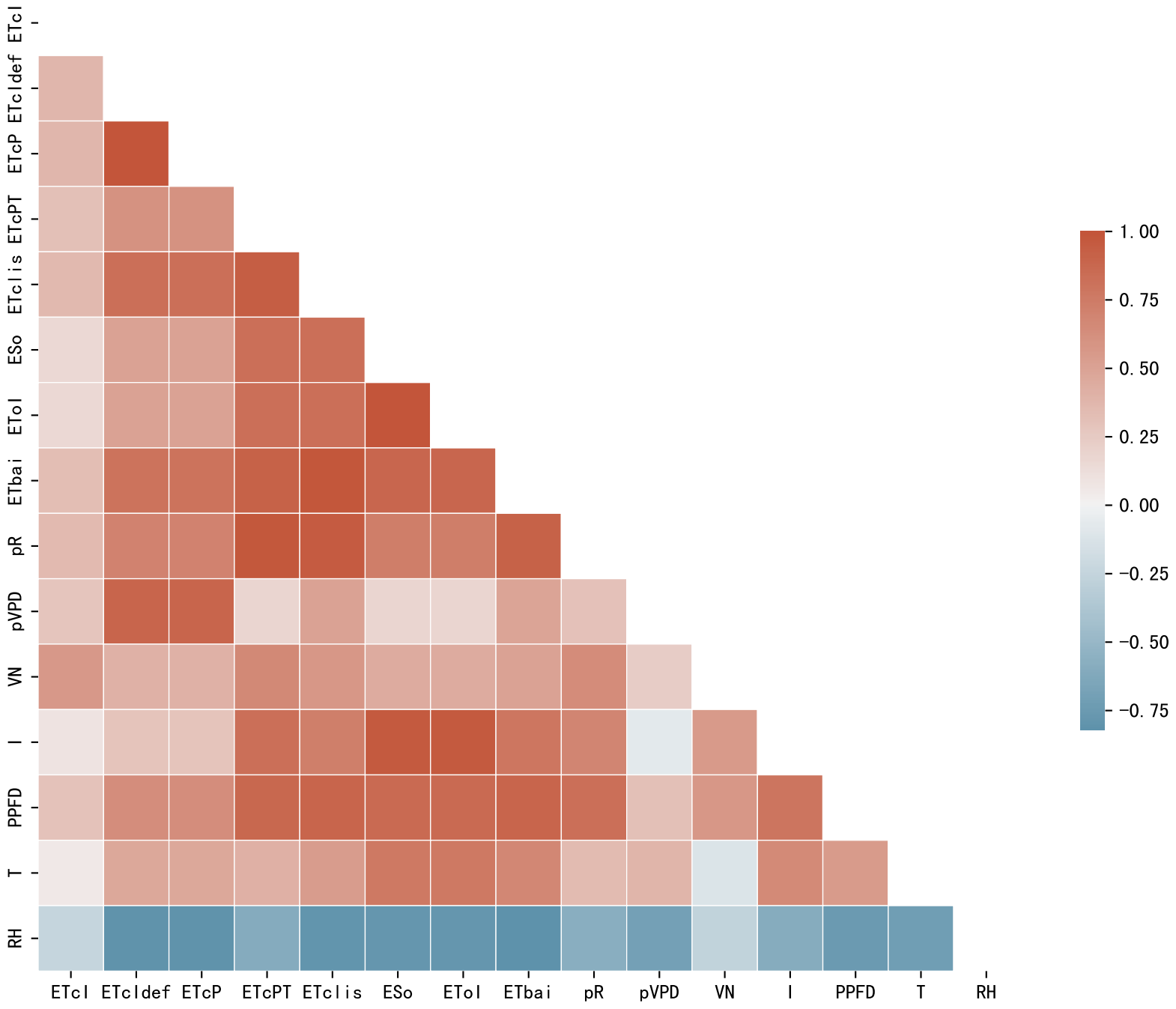


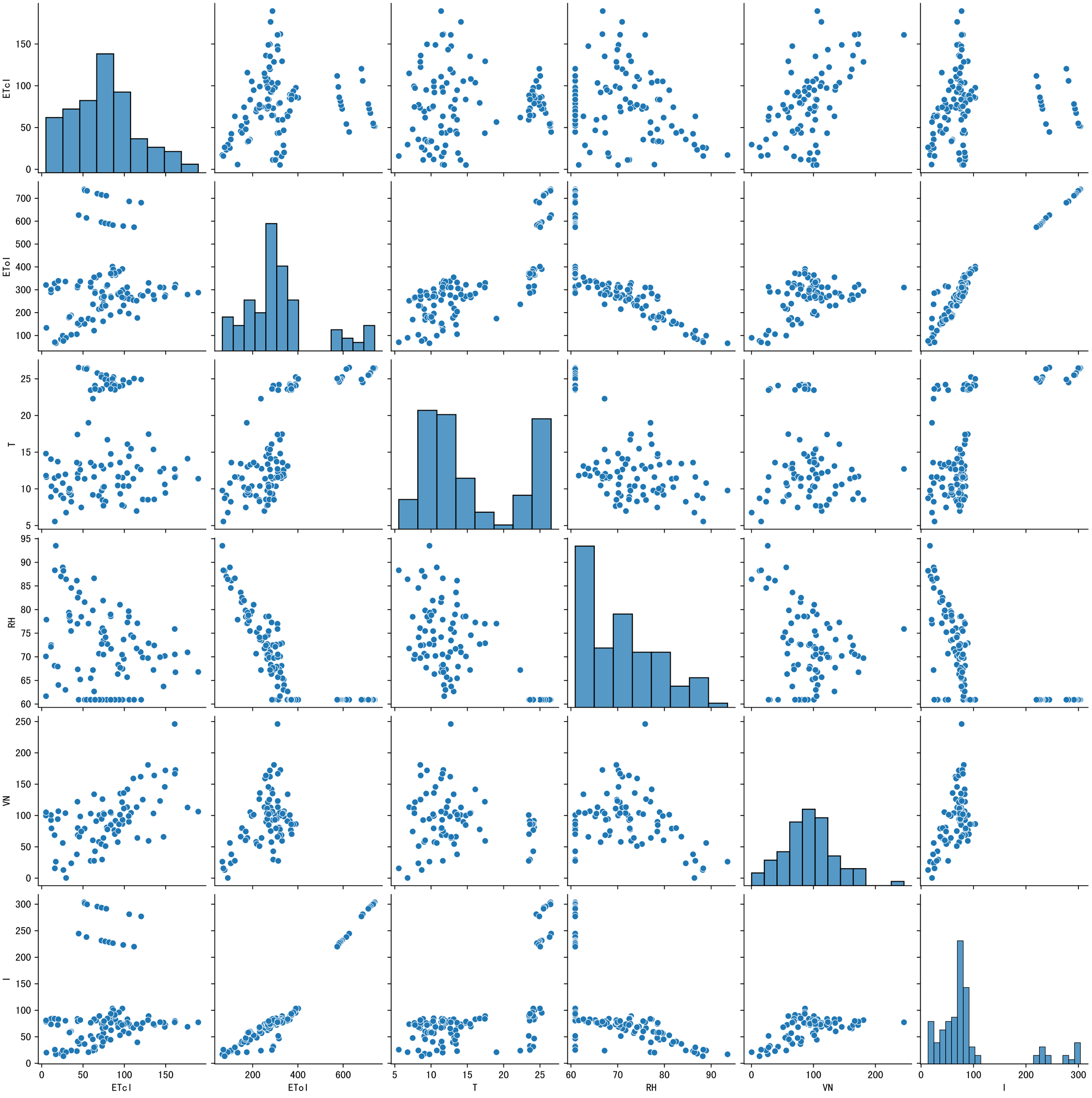


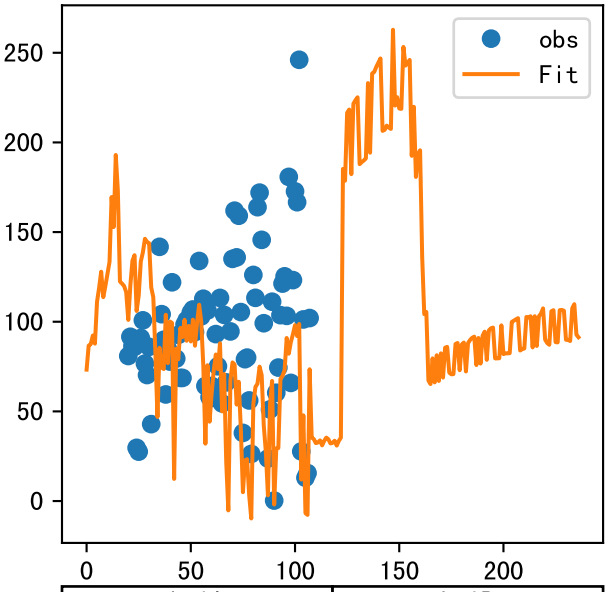


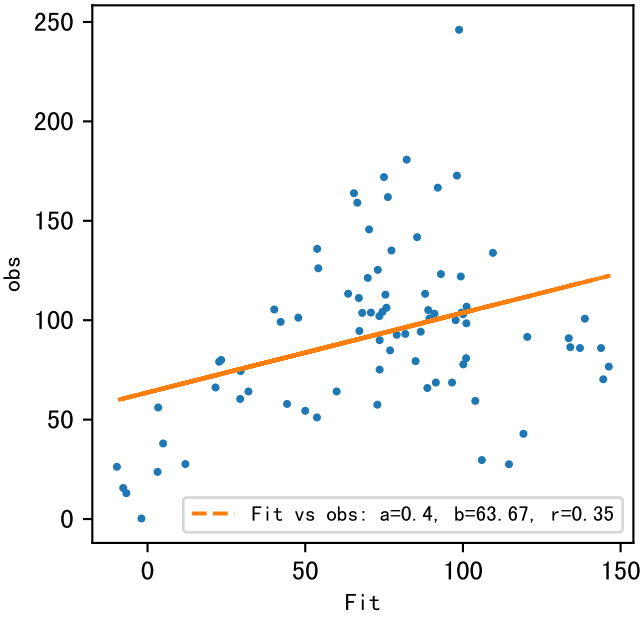




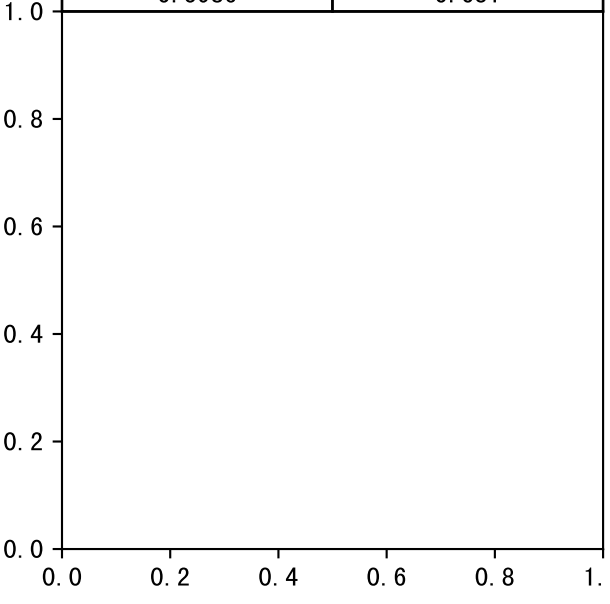

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

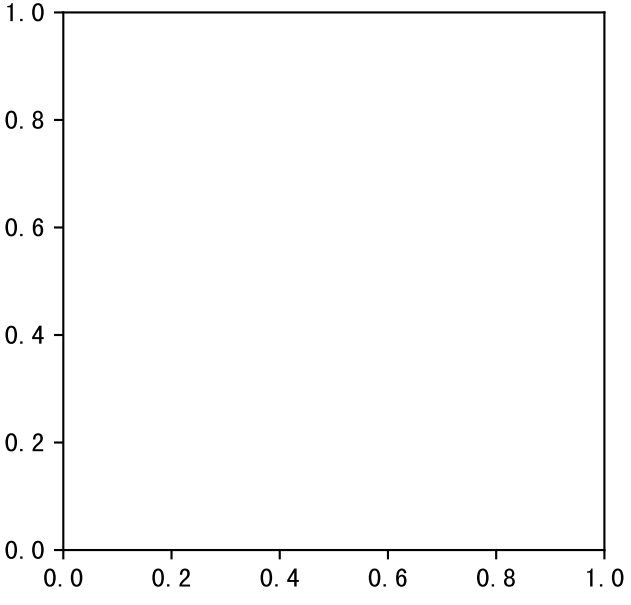

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

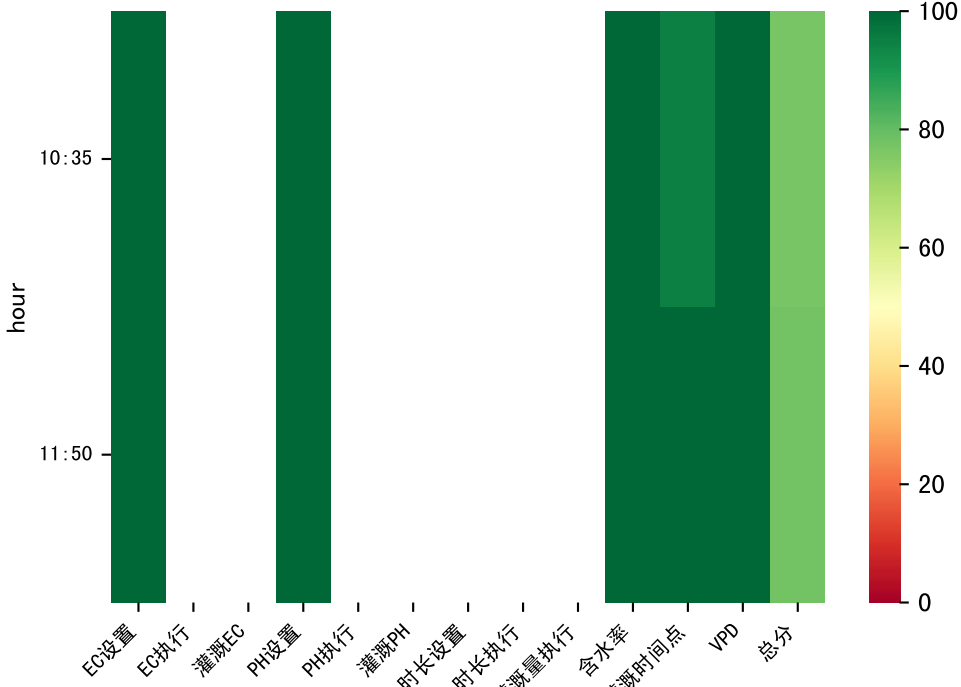




baiA	baiB
0.5986	0.031

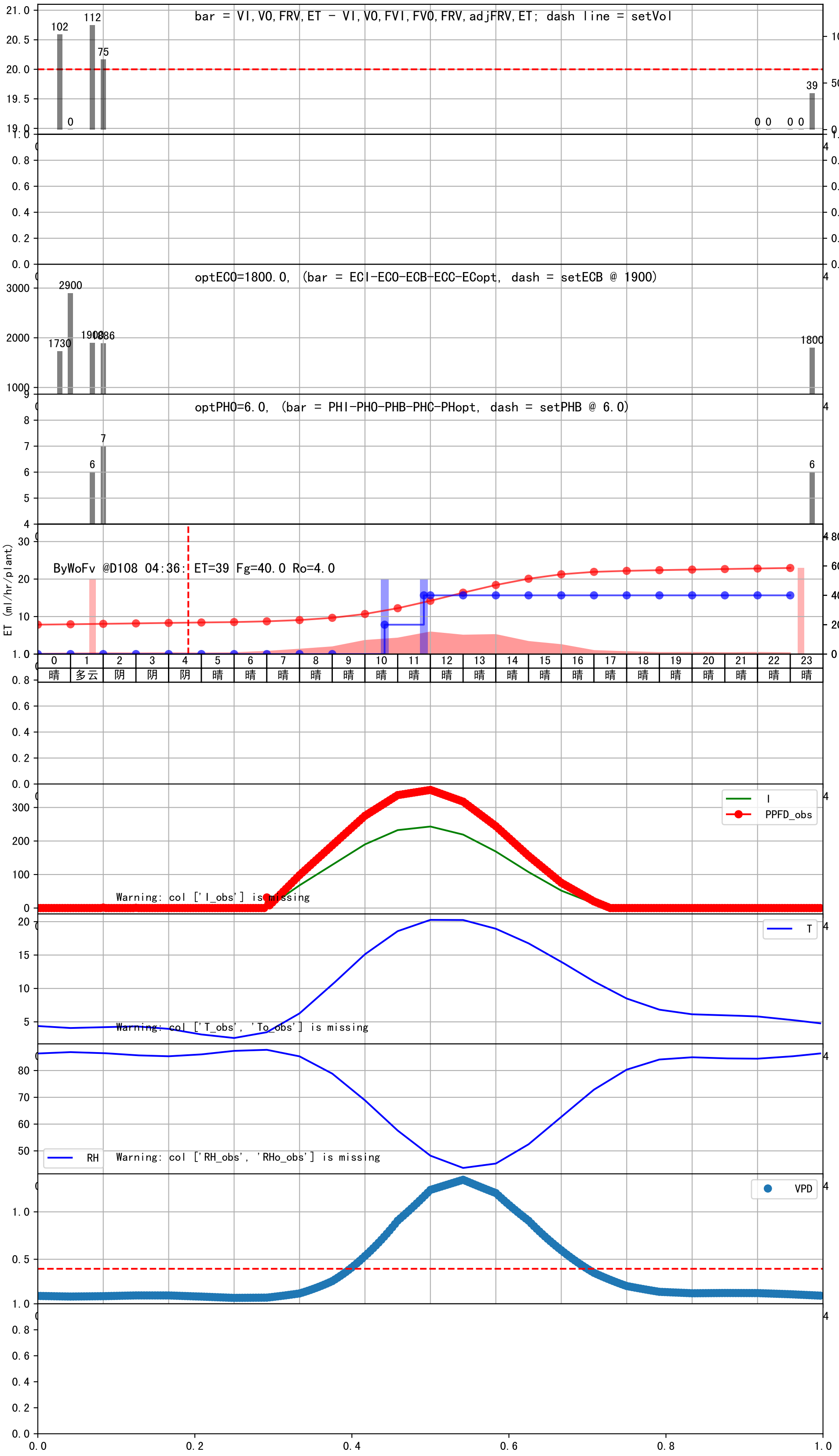


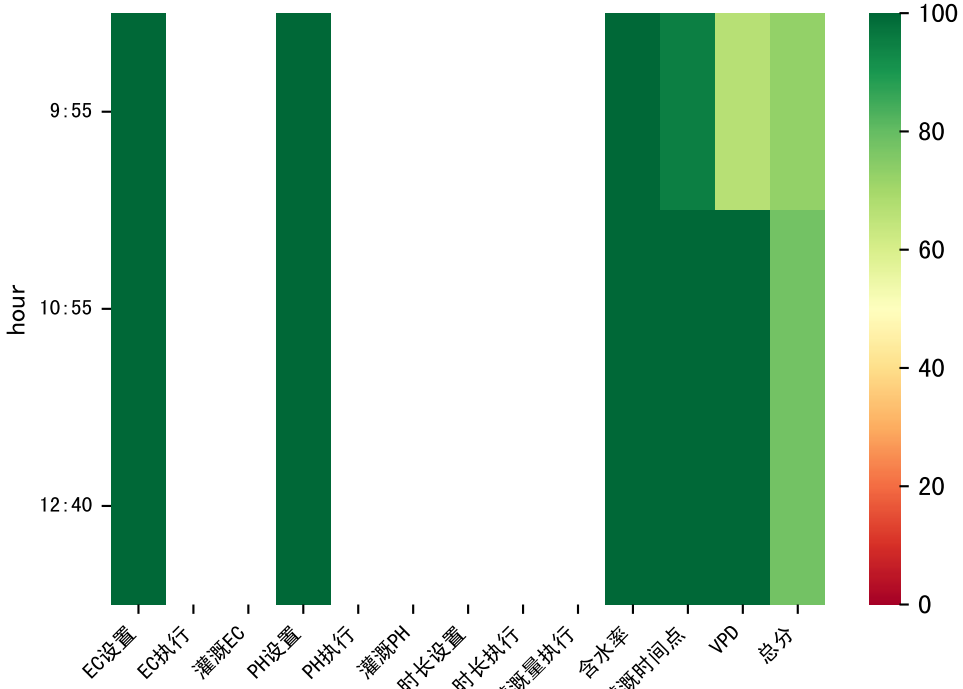



hour
10:35
11:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:35	47	20.0	0.081	晴	预期@10:35 自主（未用传感器）
11:50	47	20.0	0.081	晴	预期@11:50 自主（未用传感器）
总计	94.0 (2次)	40.0			建议进液EC：1900， PH：6.0

L1A4_4, Day=108 (2026-01-22)

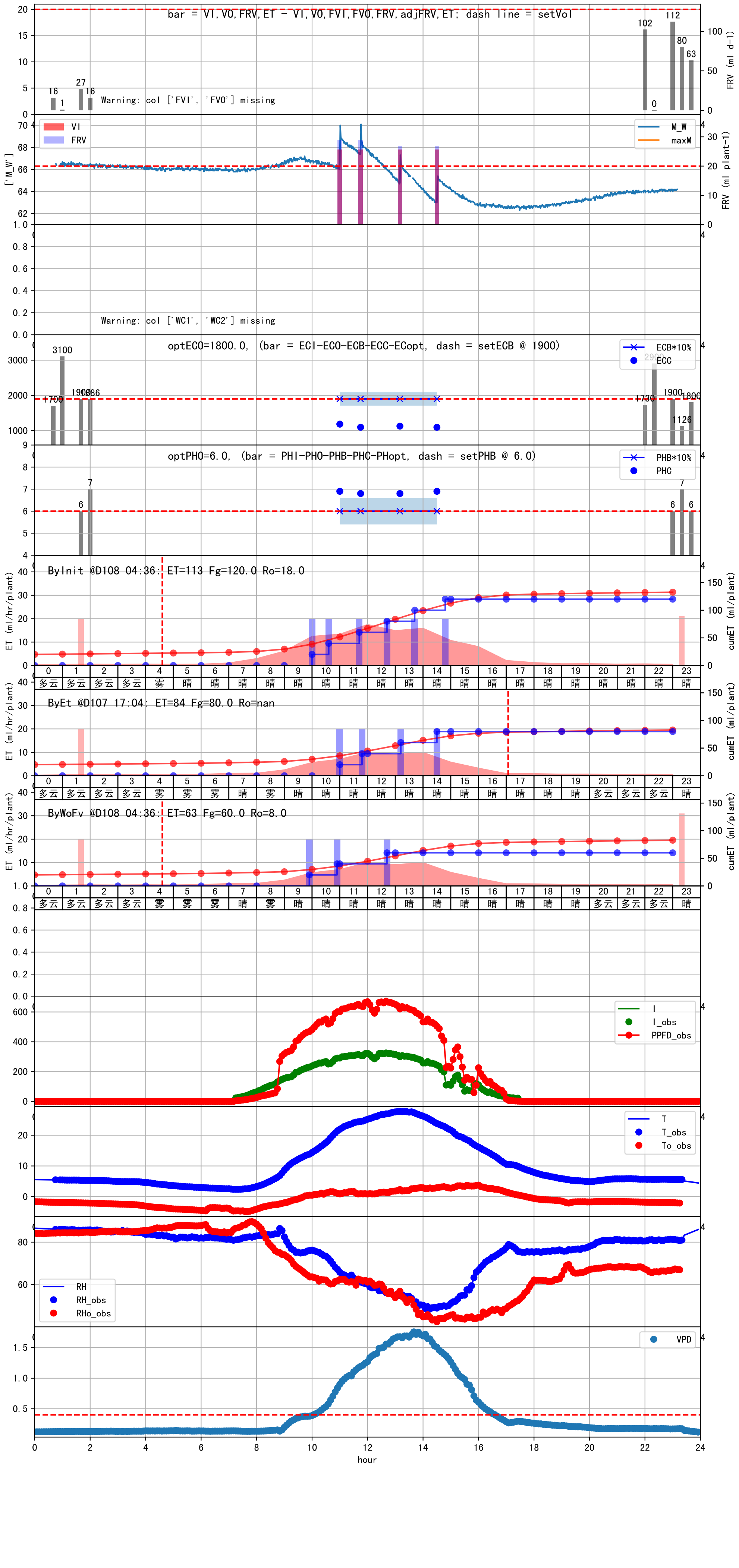


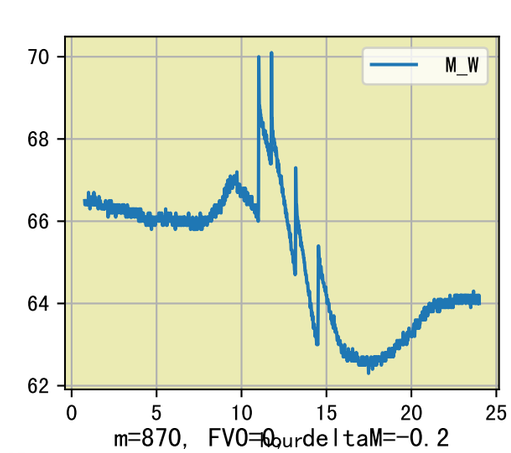

hour
9:55
10:55
12:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

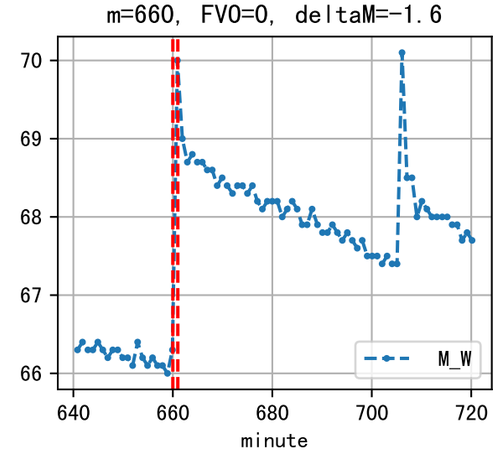
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:55	48	20.0	0.081	晴	假设@09:55 自动（未用传感器）
10:55	48	20.0	0.081	晴	假设@10:55 自动（未用传感器）
12:40	48	20.0	0.081	晴	假设@12:40 自动（未用传感器）
总计	144.0 (3次)	60.0			建议进液EC：1900， PH：6.0

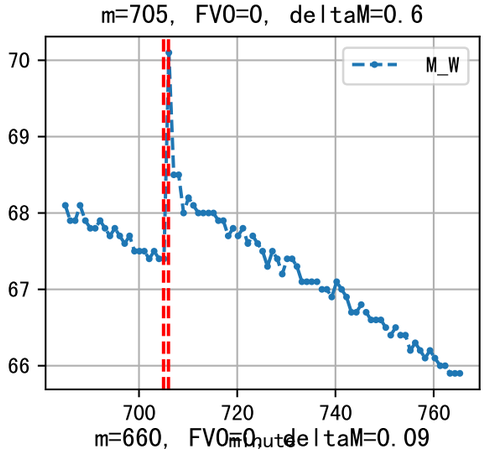
施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

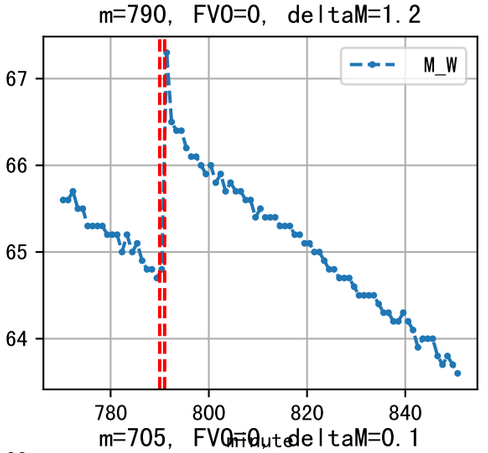
L1A4_4, Day=107 (2026-01-21)

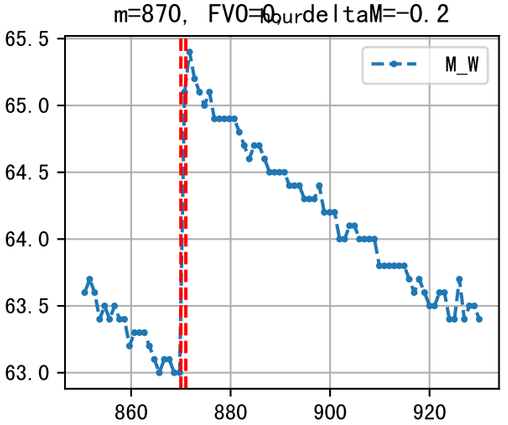


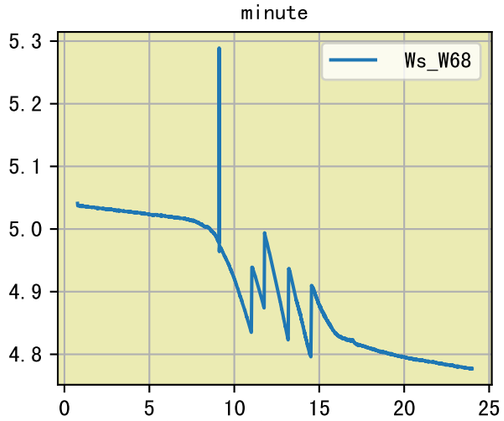

M_W

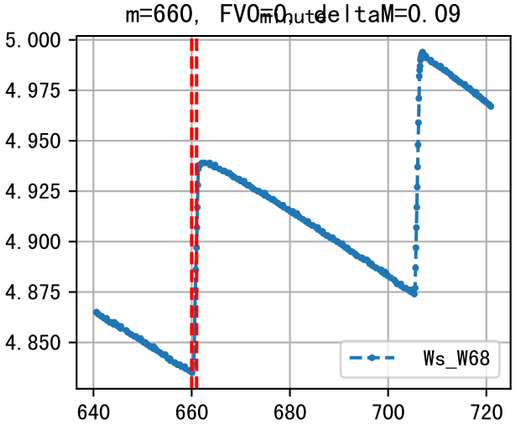

m=660, FV0=0, deltaM=-1.6
M_W
minute

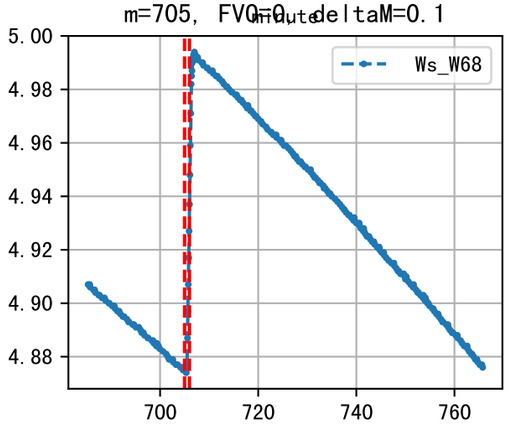

m=705, FV0=0, deltaM=0.6
M_W
minute

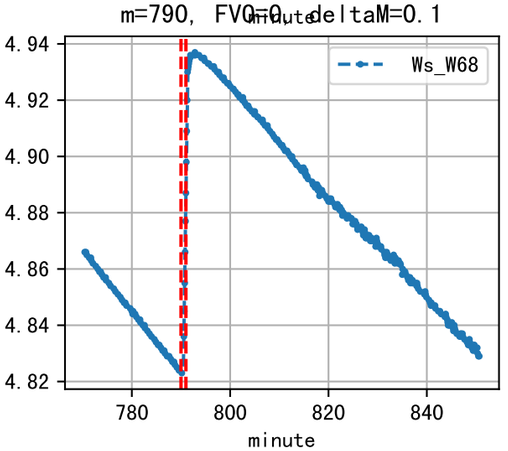

m=790, FV0=0, deltaM=1.2
M_W
minute

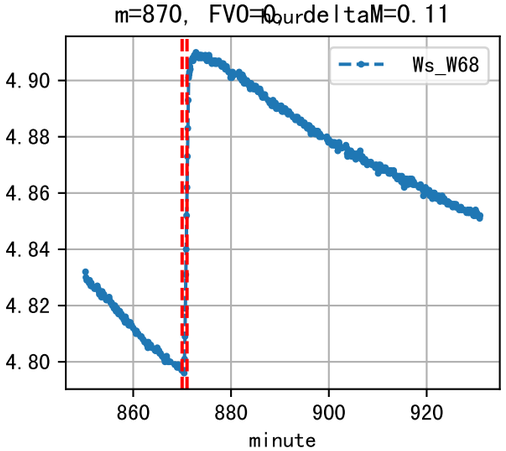

m=870, FV0=0, deltaM=-0.2
M_W
minute

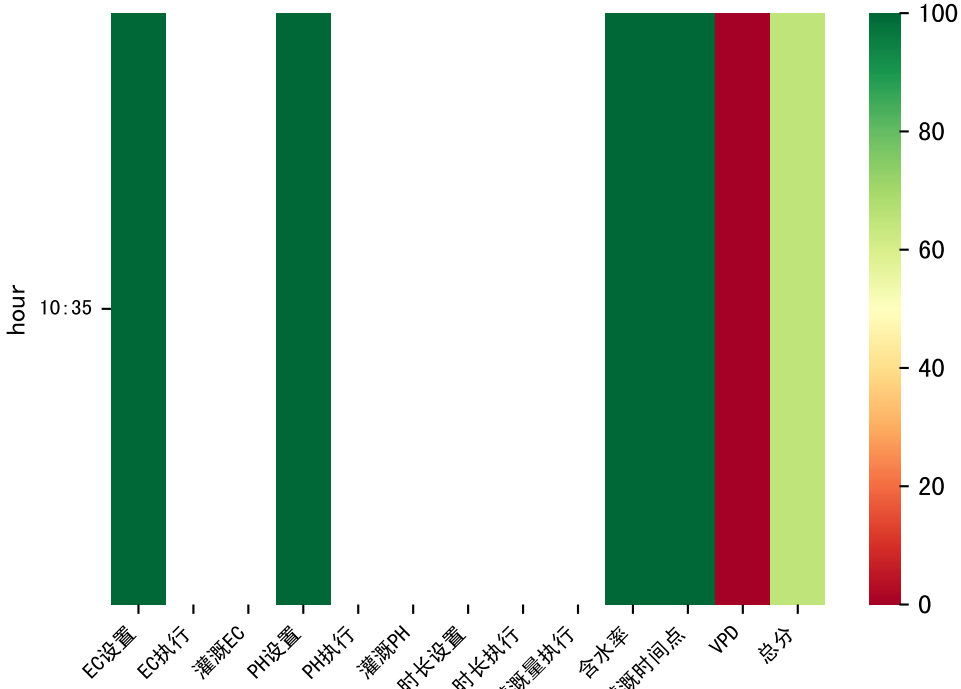

Ws_W68


m=660, FV0=0, deltaM=0.09
Ws_W68
minute


m=705, FV0=0, deltaM=0.1
Ws_W68
minute


m=790, FV0=0, deltaM=0.1
Ws_W68
minute

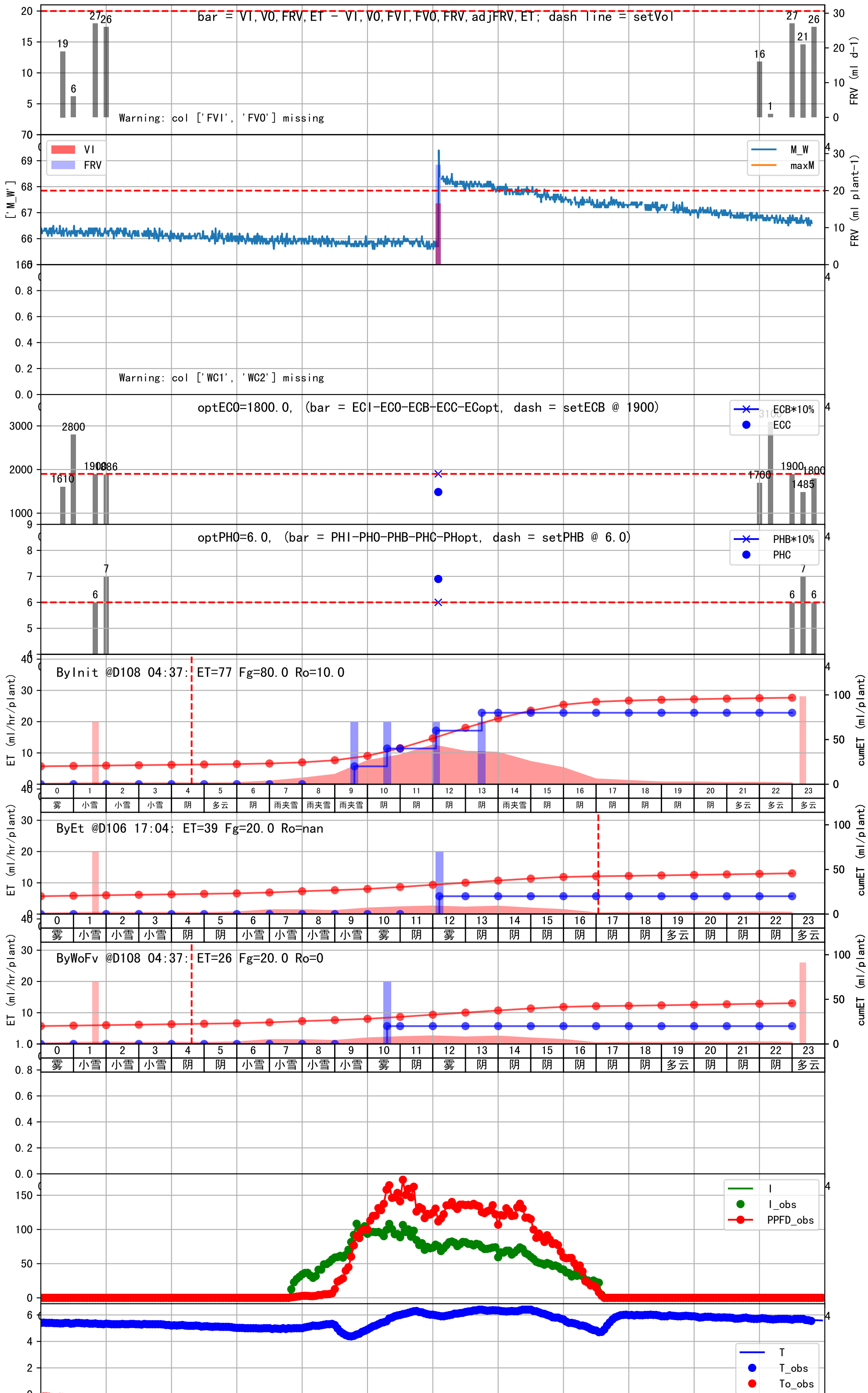

m=870, FV0=0, deltaM=0.11
Ws_W68
minute

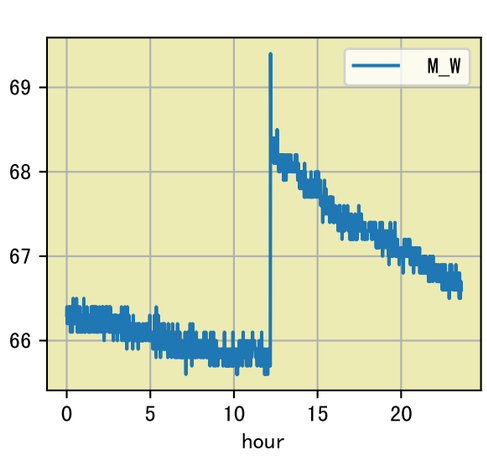

hour
10:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

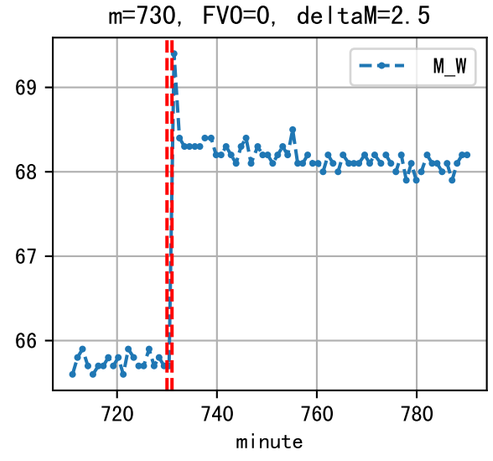
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:35	47	20.0	0.081	雾	假设@10:35 自动（未用传感器）
总计	47.0 (1次)	20.0			建议进液EC：1900， PH：6.0

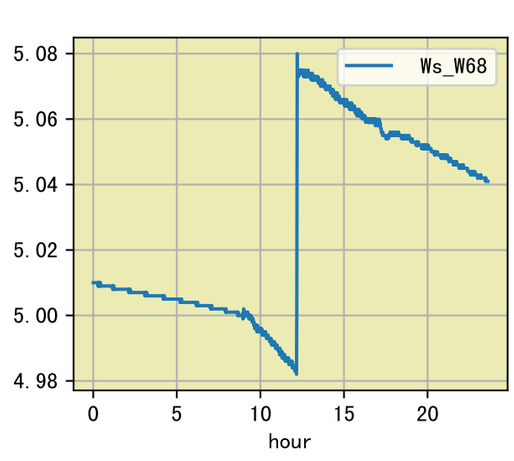
施肥机灌溉量与预期值不符 (27.0 : 21.0)，可能水表需要校准
默认实际灌溉21.0 ml.

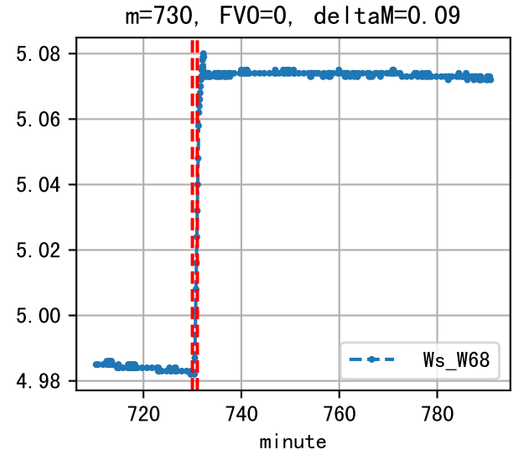
L1A4_4, Day=106 (2026-01-20)

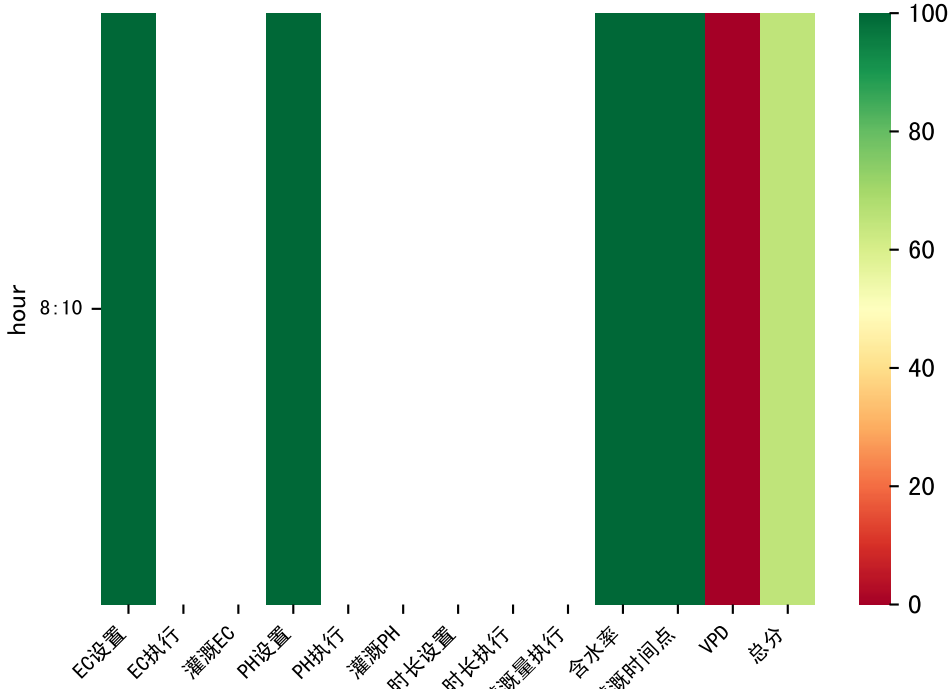



M_W
69
68
67
66
0
5
10
15
20
hour


m=730, FVO=0, deltaM=2.5
M_W
69
68
67
66
720
740
760
780
minute


Ws_W68
5.08
5.06
5.04
5.02
5.00
4.98
0
5
10
15
20
hour

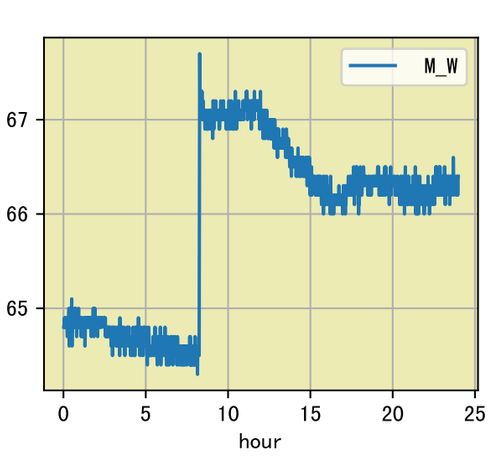

m=730, FVO=0, deltaM=0.09
5.08
5.06
5.04
5.02
5.00
4.98
Ws_W68
720
740
760
780
minute

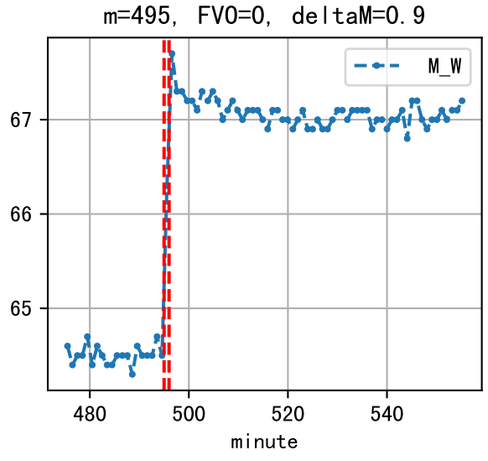

hour
8:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

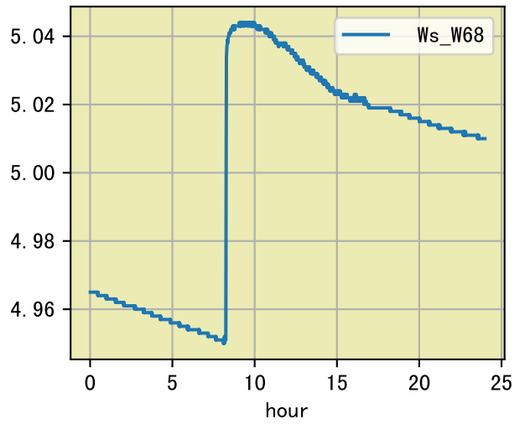
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	44	20.0	0.081	雾	假设@08:10 自动（未用传感器）
总计	44.0 (1次)	20.0			建议进液EC：1900， PH：6.0

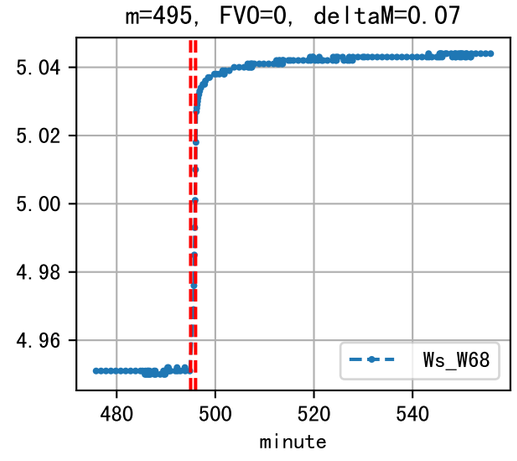
施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

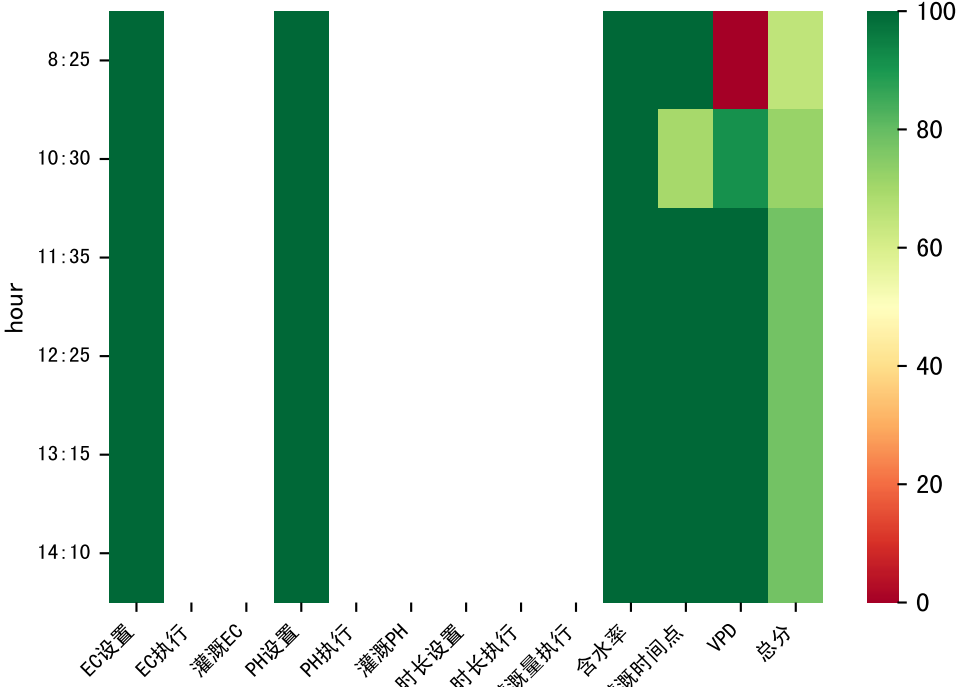
L1A4_4, Day=105 (2026-01-19)


M_W
67
66
65
0
5
10
15
20
25
hour


m=495, FVO=0, deltaM=0.9
M_W
67
66
65
480
500
520
540
minute


Ws_W68
5.04
5.02
5.00
4.98
4.96
0
5
10
15
20
25
hour

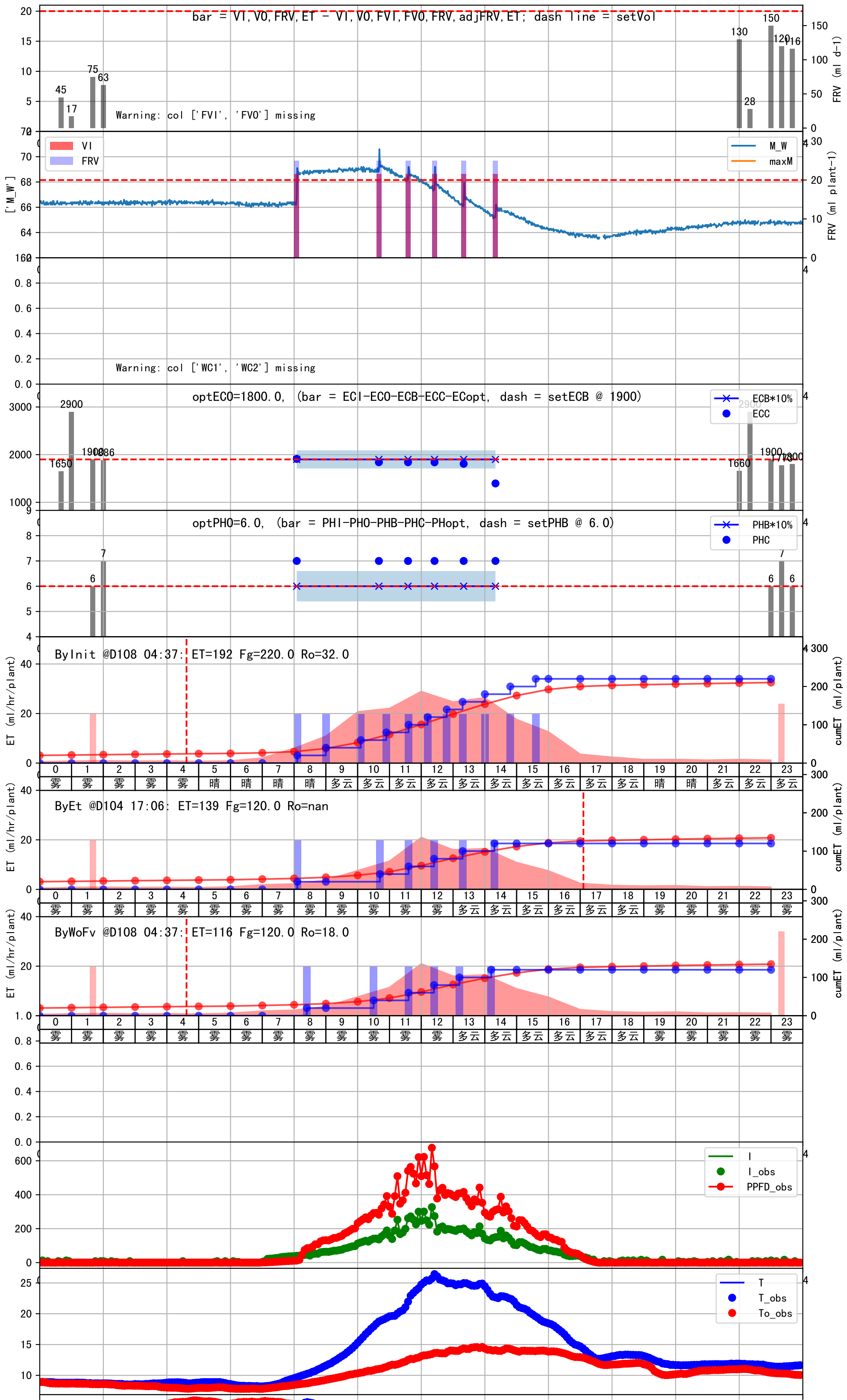

m=495, FVO=0, deltaM=0.07
5.04
5.02
5.00
4.98
4.96
Ws_W68
480
500
520
540
minute

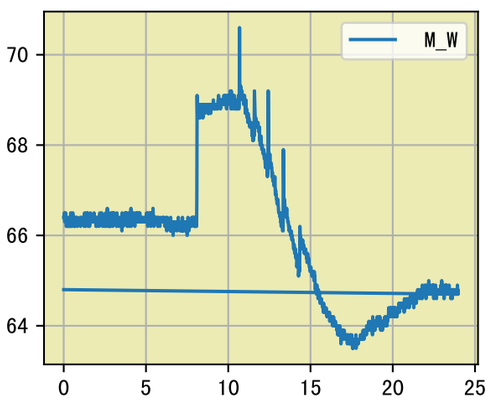

hour
8:25
10:30
11:35
12:25
13:15
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

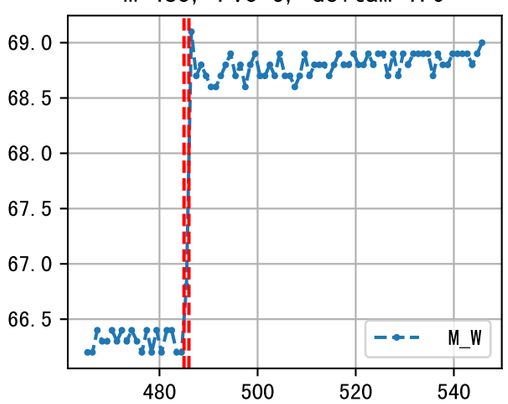
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	43	20.0	0.081	雾	假设@08:25 自动（未用传感器）
10:30	43	20.0	0.081	雾	假设@10:30 自动（未用传感器）
11:35	43	20.0	0.081	雾	假设@11:35 自动（未用传感器）
12:25	43	20.0	0.081	雾	假设@12:25 自动（未用传感器）
13:15	43	20.0	0.081	多云	假设@13:15 自动（未用传感器）
14:10	43	20.0	0.081	多云	假设@14:10 自动（未用传感器）
总计	258.0 (6次)	120.0			建议进液EC：1900， PH：6.0

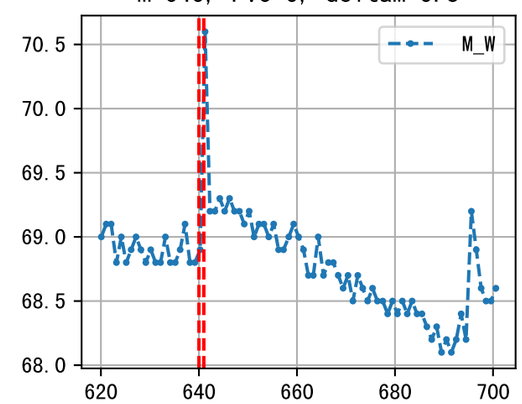
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

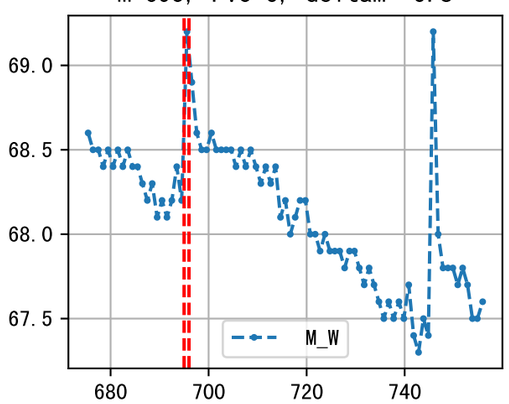
L1A4_4, Day=104 (2026-01-18)

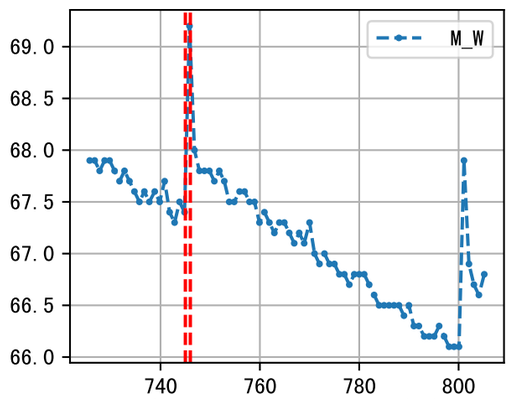


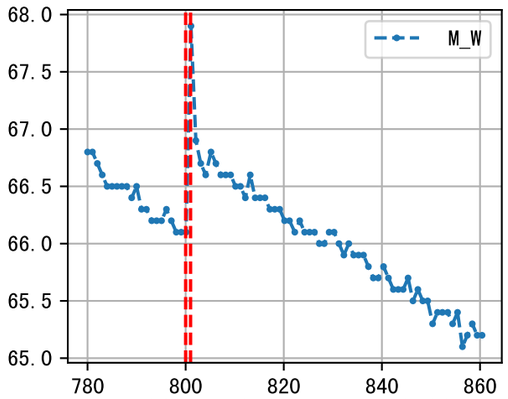

M_W

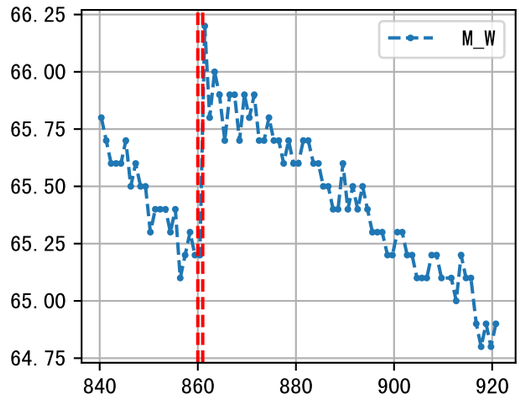

m=485, FV0=0, deltaM=1.9
M_W

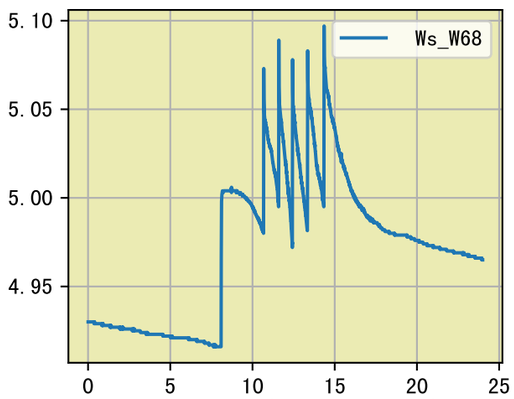

m=640, FV0=0, deltaM=0.3
M_W

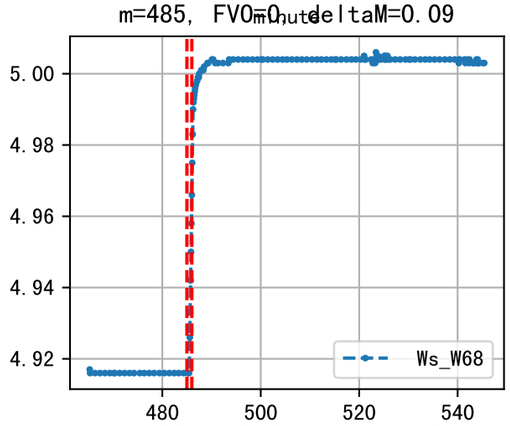

m=695, FV0=0, deltaM=-0.8
M_W
minute


m=745, FV0=0, deltaM=-1.6
M_W
minute


m=800, FV0=0, deltaM=0.4
M_W
minute


m=860, FV0=0, deltaM=0.6
M_W
minute


Ws_W68
minute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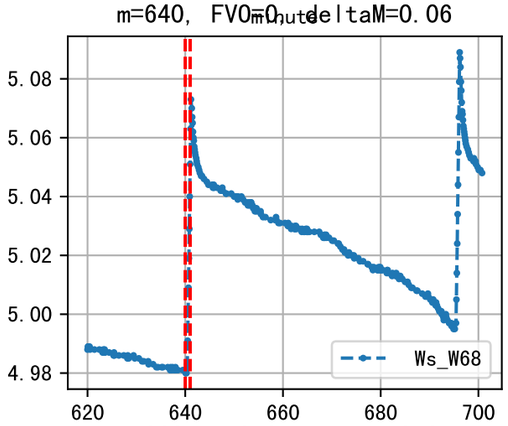
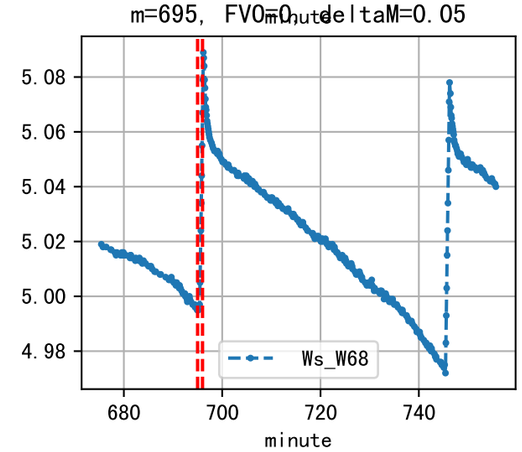
Ws_W68
minute


m=640, FV0=0, deltaM=0.06
Ws_W68
minute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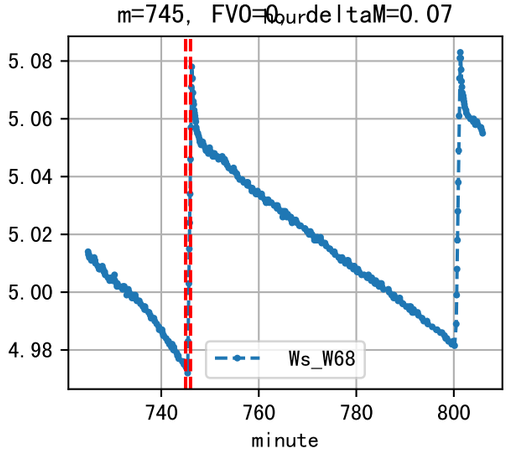
Ws_W68
minute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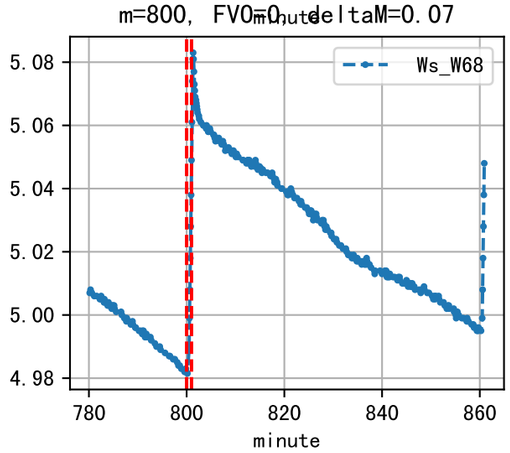
Ws_W68
minute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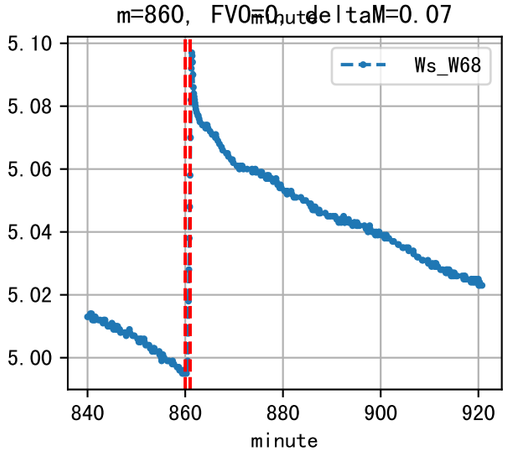
Ws_W68
minute


m=860, FV0=0, deltaM=0.07
Ws_W68
minute