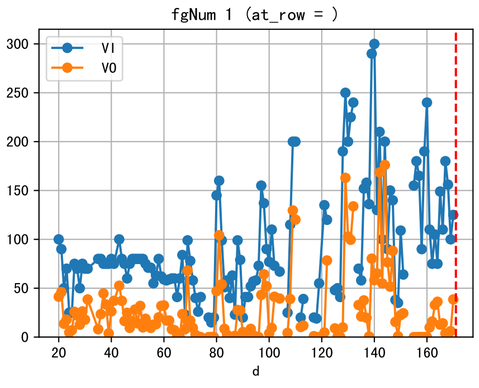
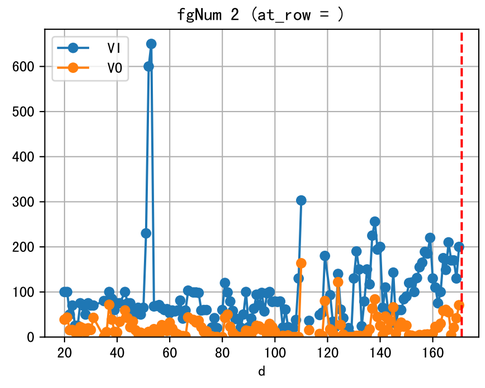
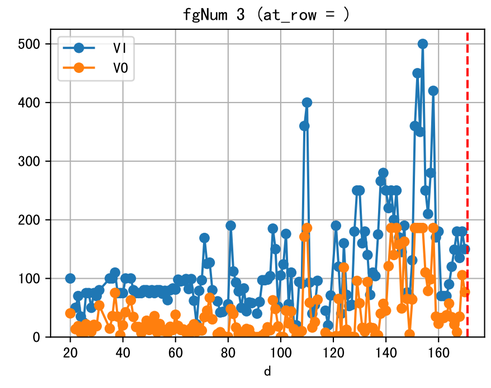
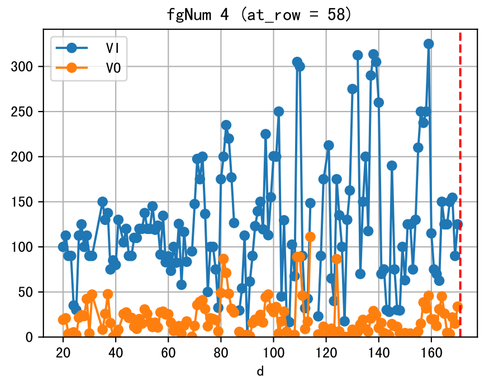
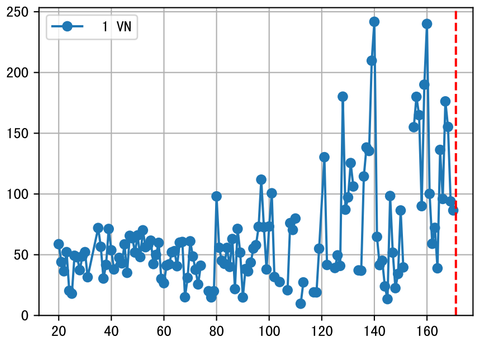
FgArea: ['4']
NJ15 L1
2026-03-26 (Day 171)

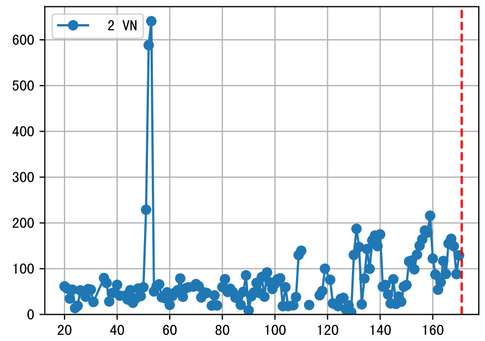

fgNum 1 (at_row =)
VI
VO
d

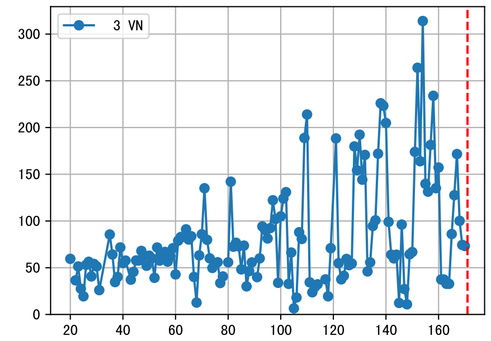

fgNum 2 (at_row =)
VI
VO
d

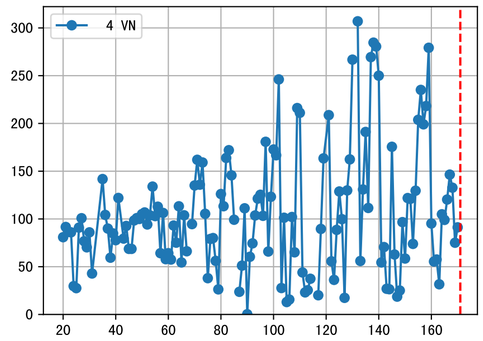

fgNum 3 (at_row =)
VI
VO
d

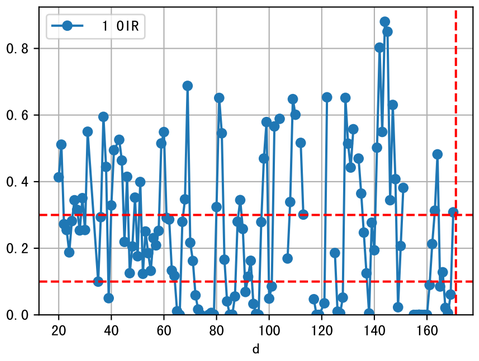

fgNum 4 (at_row = 58)
VI
VO
d

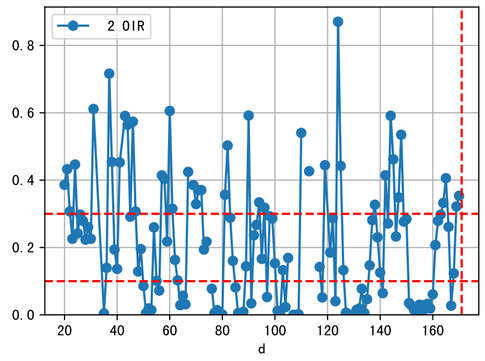

1 VN
d

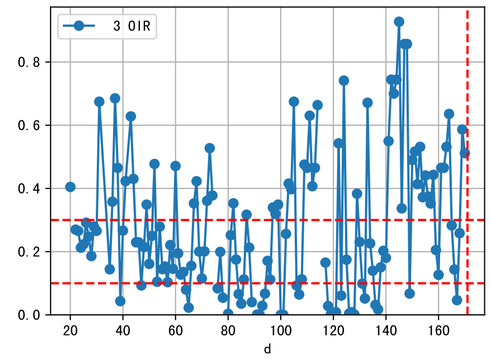

2 VN
d

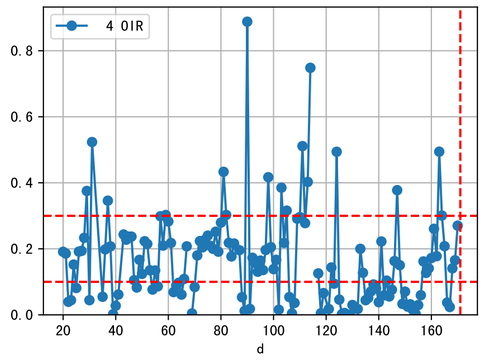

3 VN
d

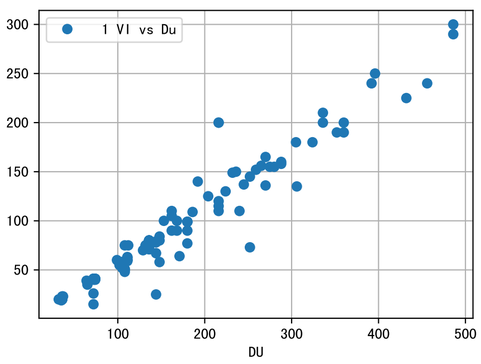

4 VN
d

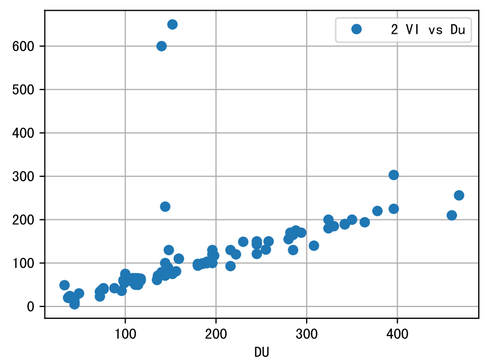

1 OIR
d

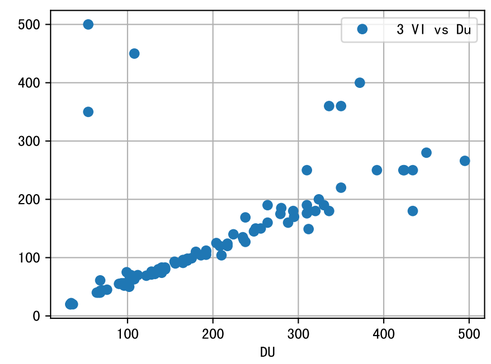

2 OIR
d

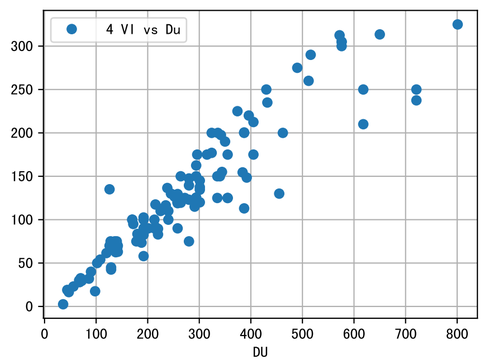

3 OIR
d

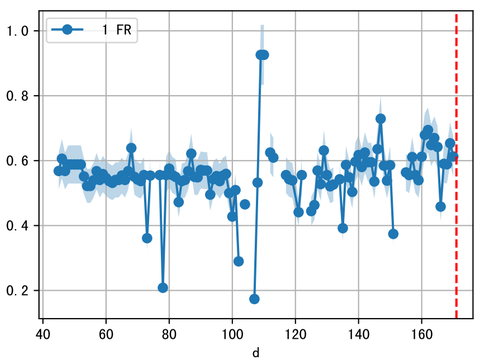

4 OIR
d

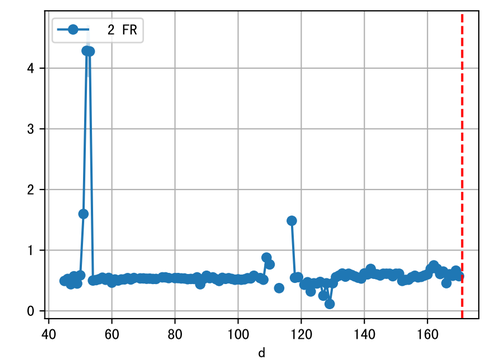

1 VI vs Du
DU

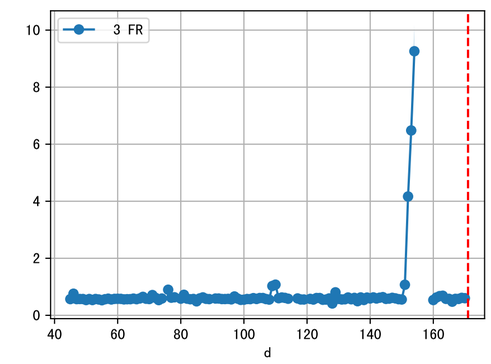

2 VI vs Du
DU

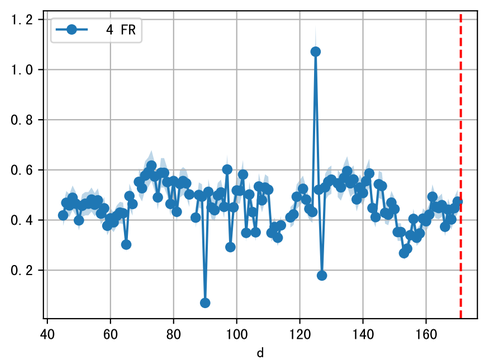

3 VI vs Du
DU

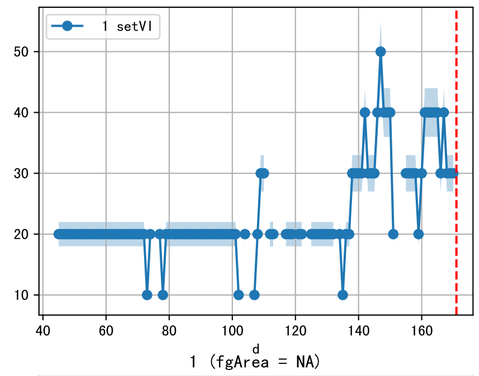

4 VI vs Du
DU

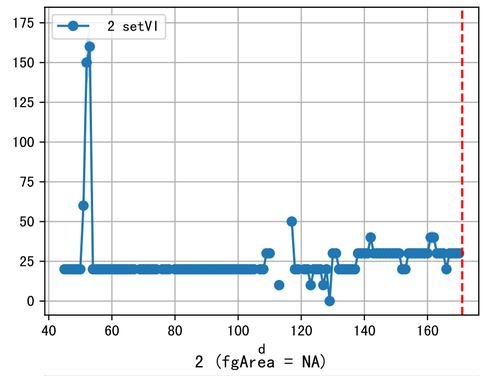

1 FR
d

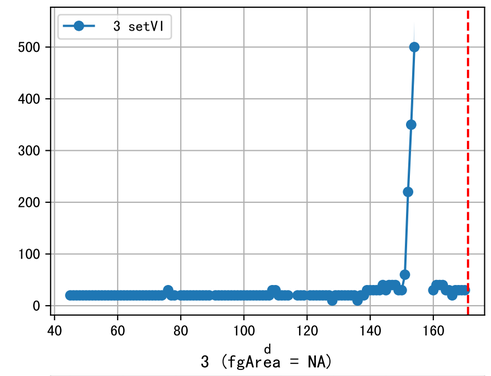

2 FR
d

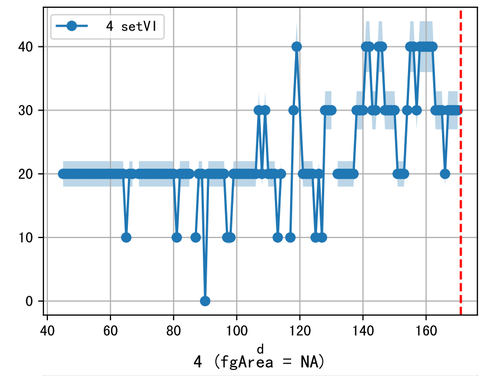

3 FR
d

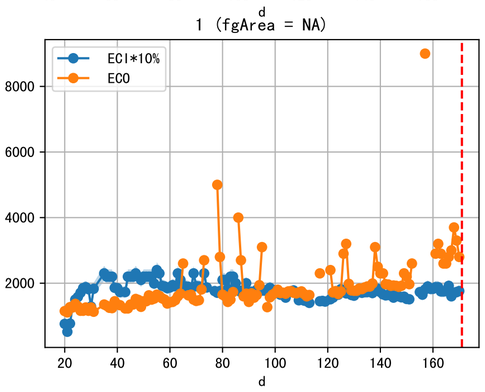

4 FR
d

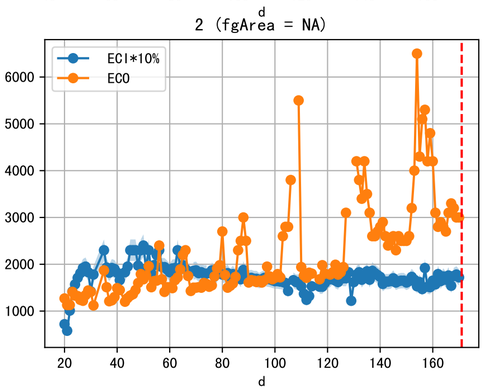

1 setVI
d

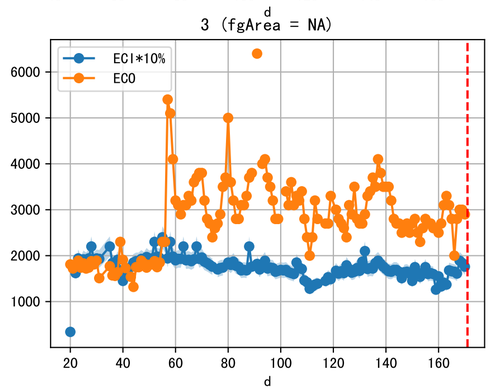

2 setVI
d

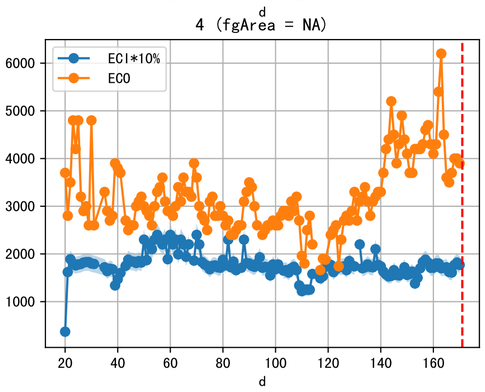

3 setVI
d

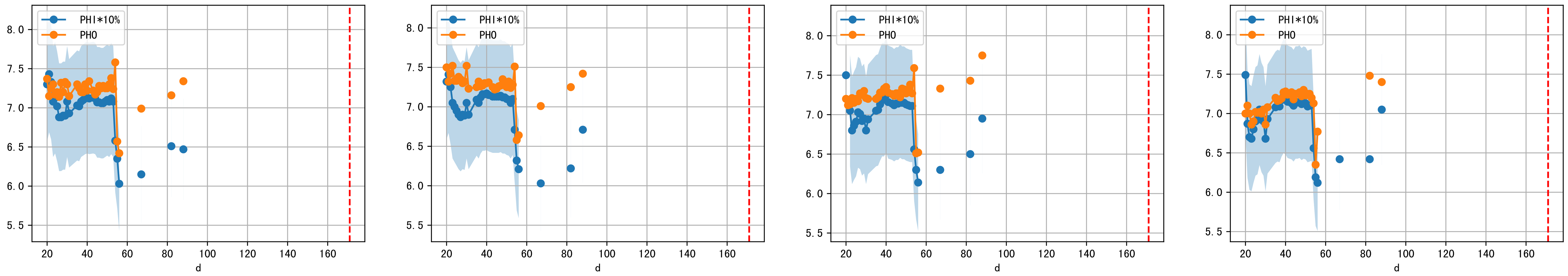

4 setVI
d

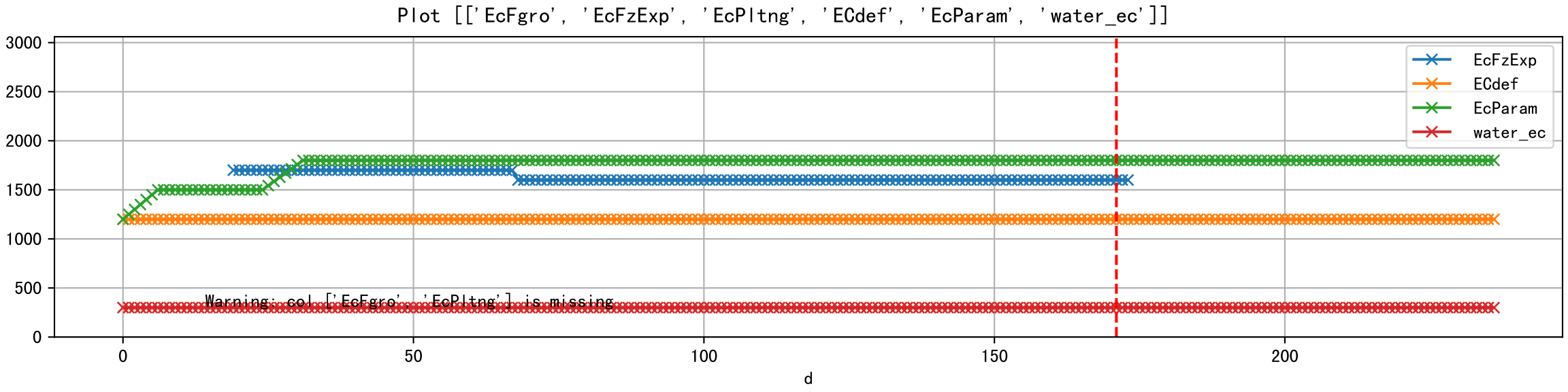

1 (fgArea = NA)
ECI*10%
ECO
d

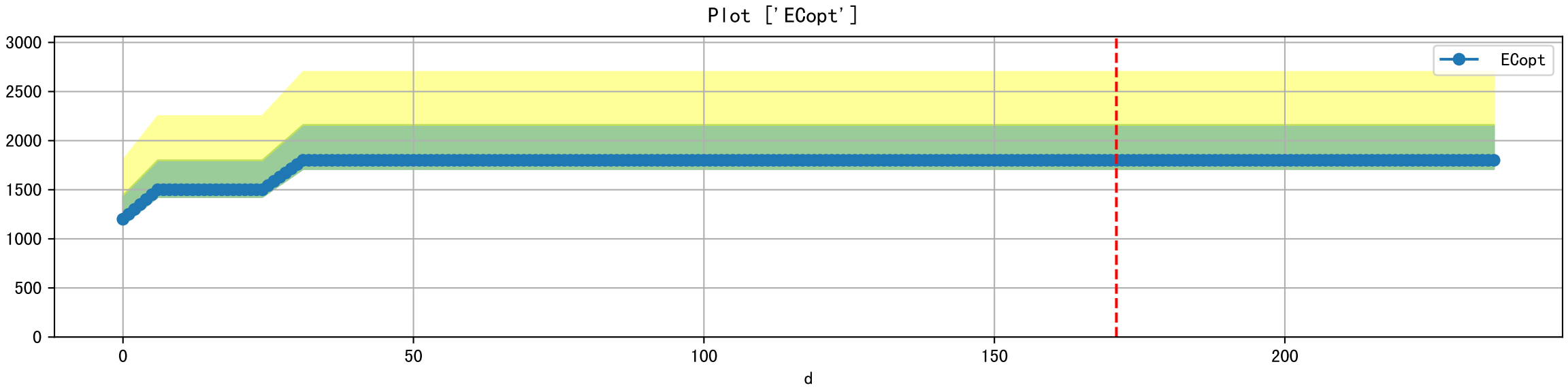

2 (fgArea = NA)
ECI*10%
ECO
d

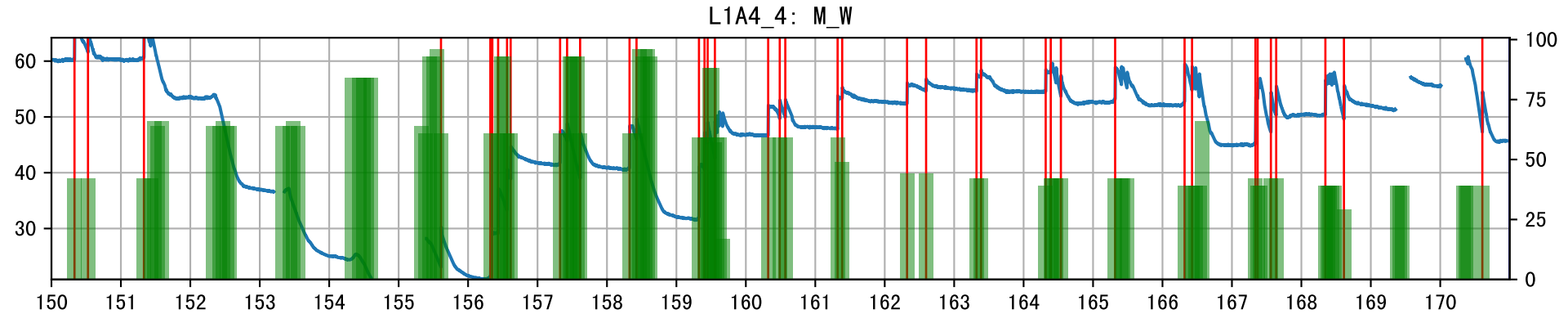

3 (fgArea = NA)
ECI*10%
ECO
d


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

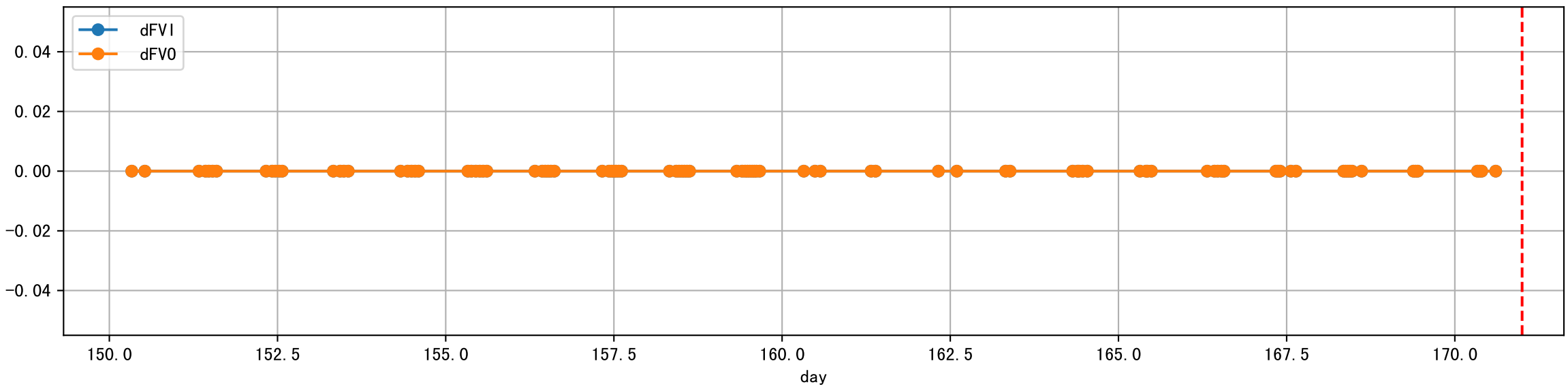

PHI*10%
PHO
d

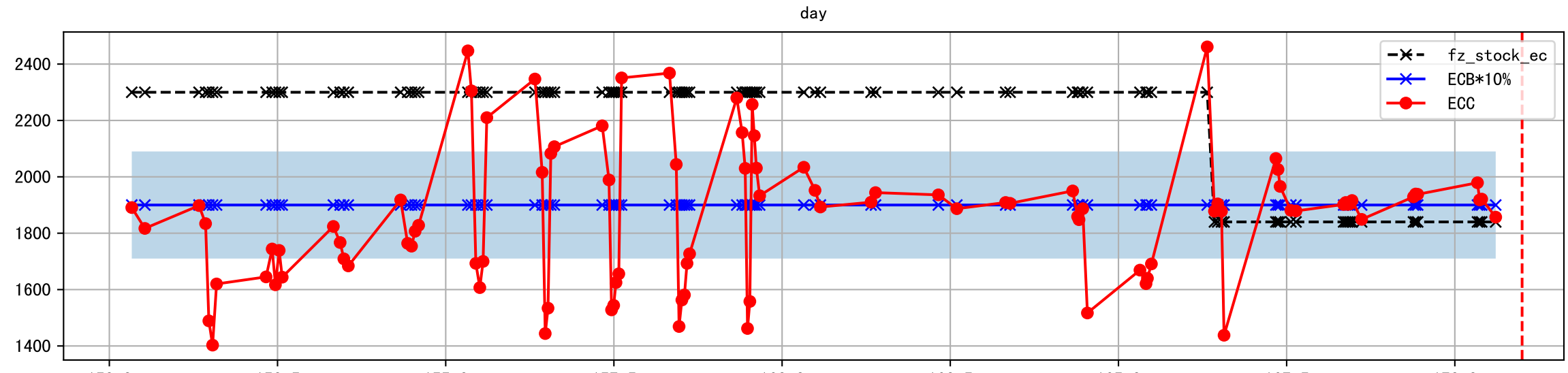

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

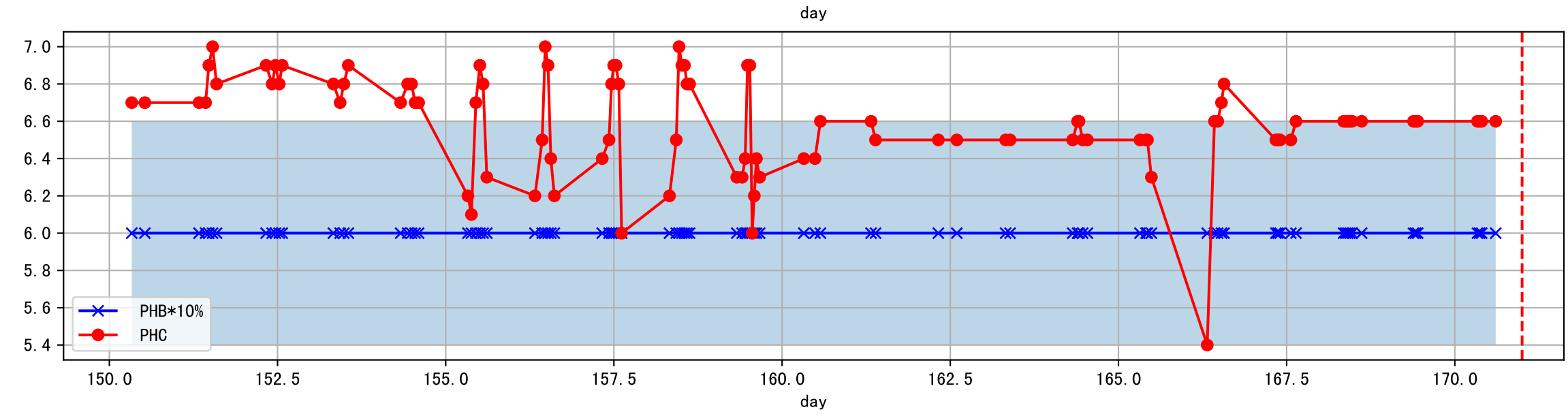

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

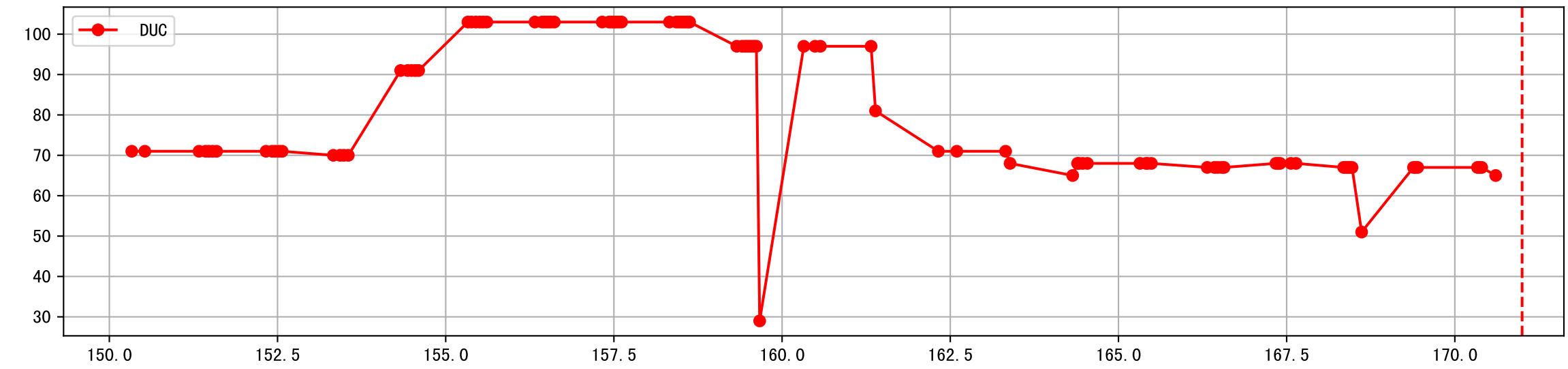

L1A4_4: M_W
60
50
40
30
100
75
50
25
0
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170

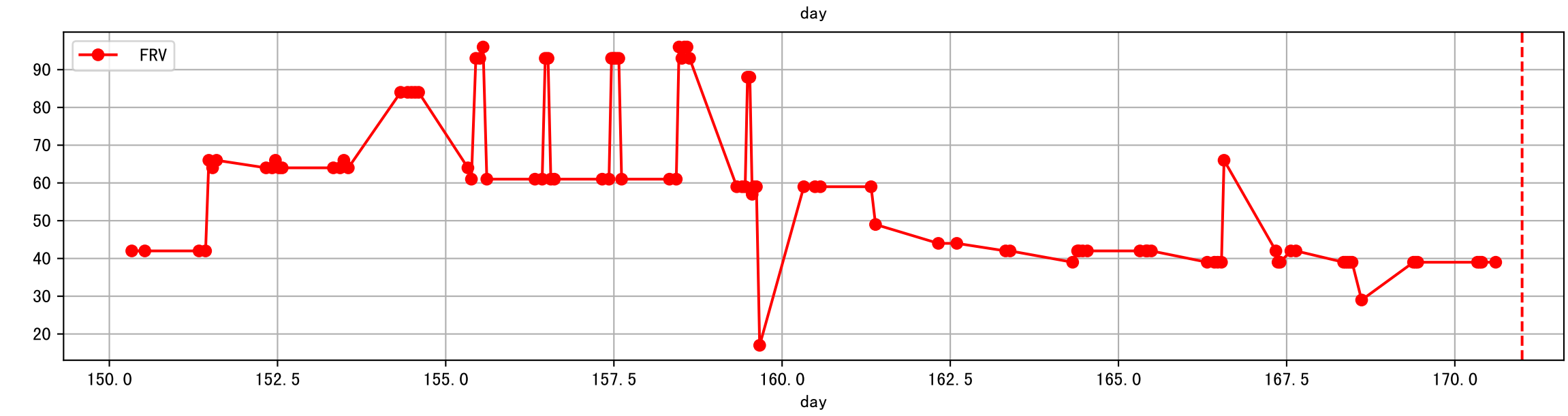
Plot Sensor and FgRec Data

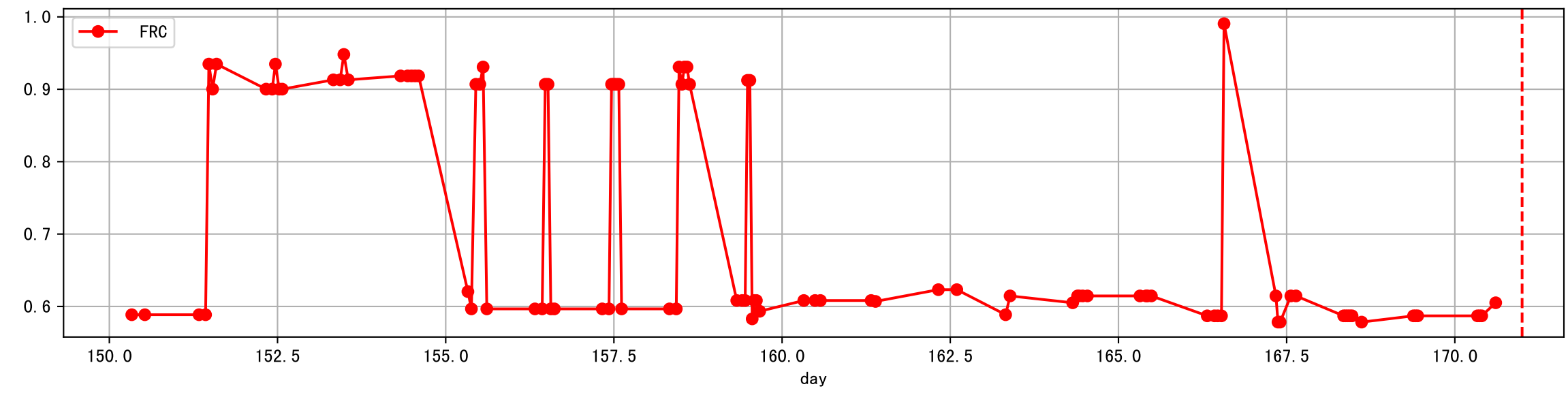


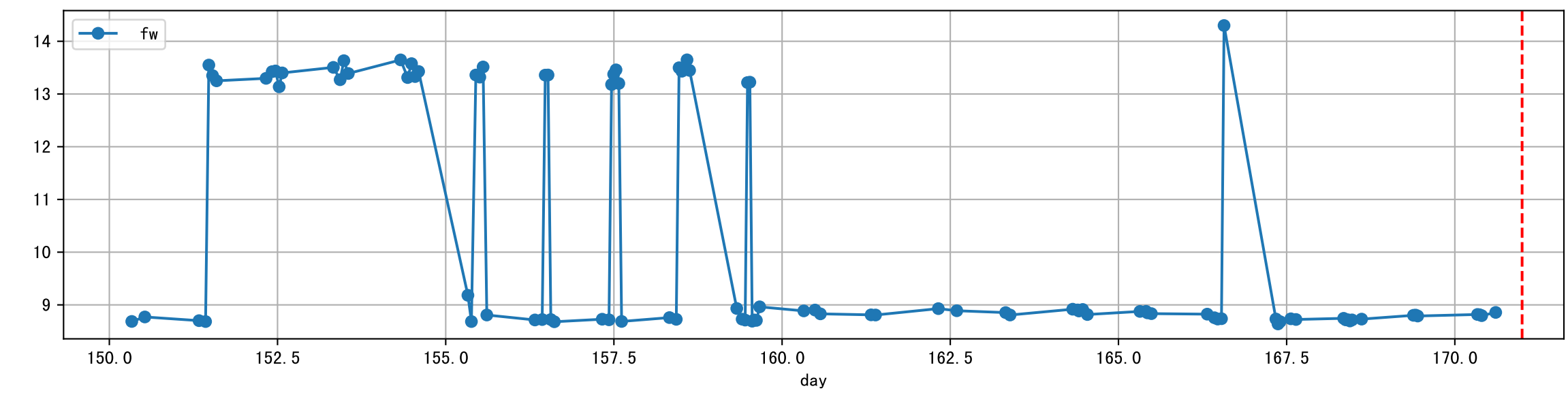


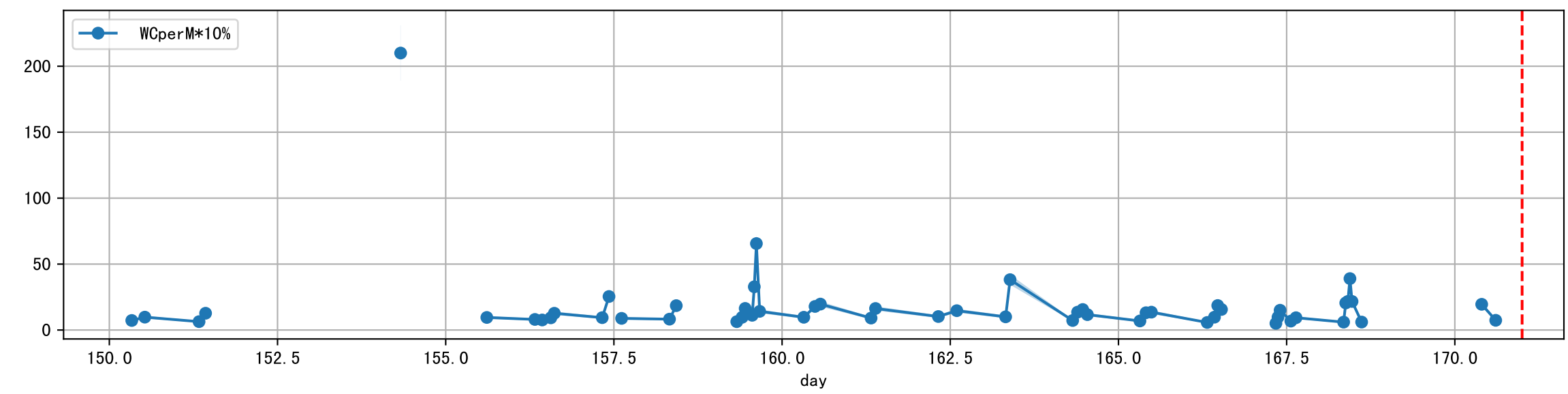


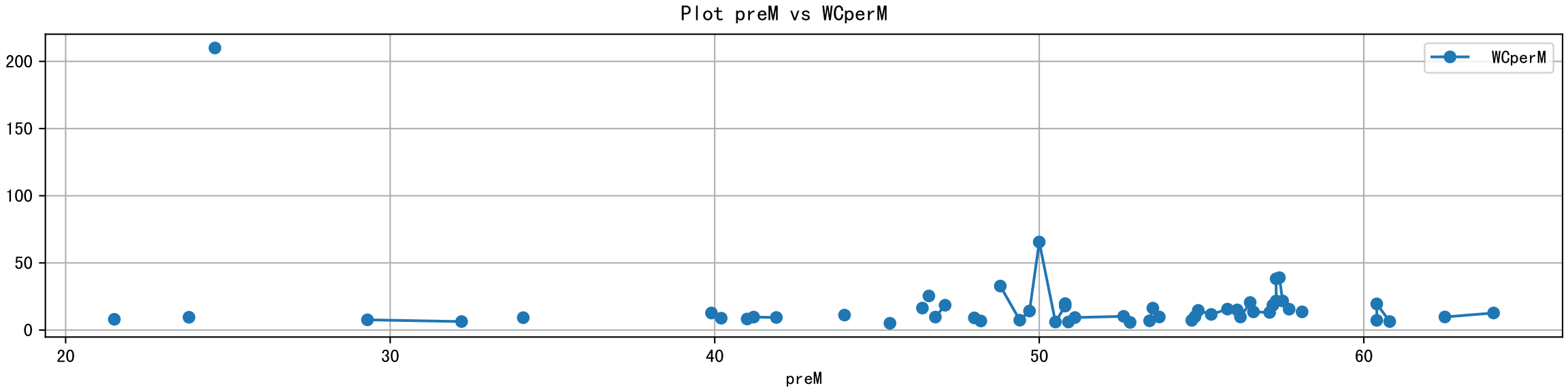


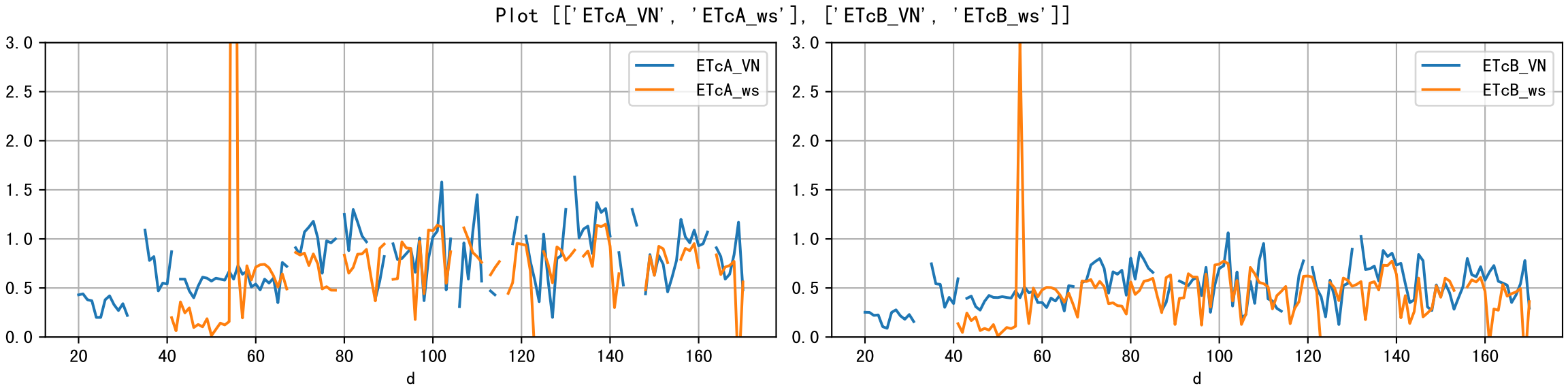


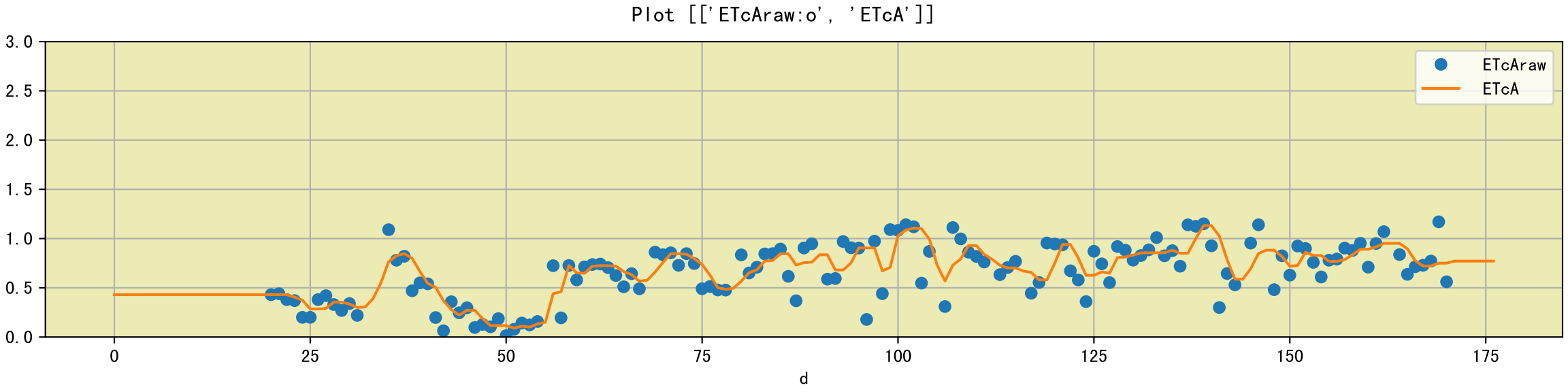


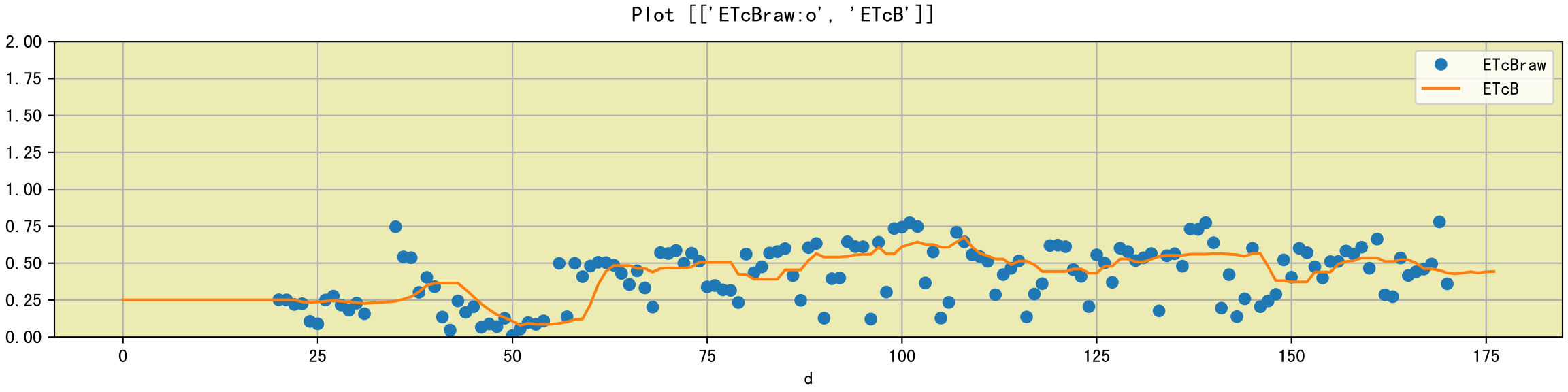




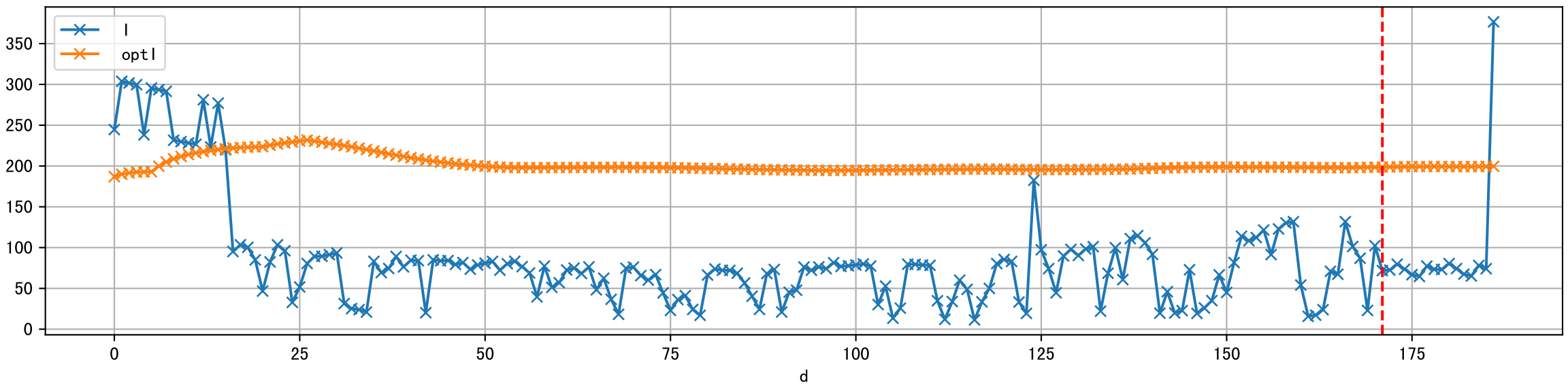

Plot preM vs WCperM
WCperM
200
150
100
50
0
20
30
40
50
60
preM

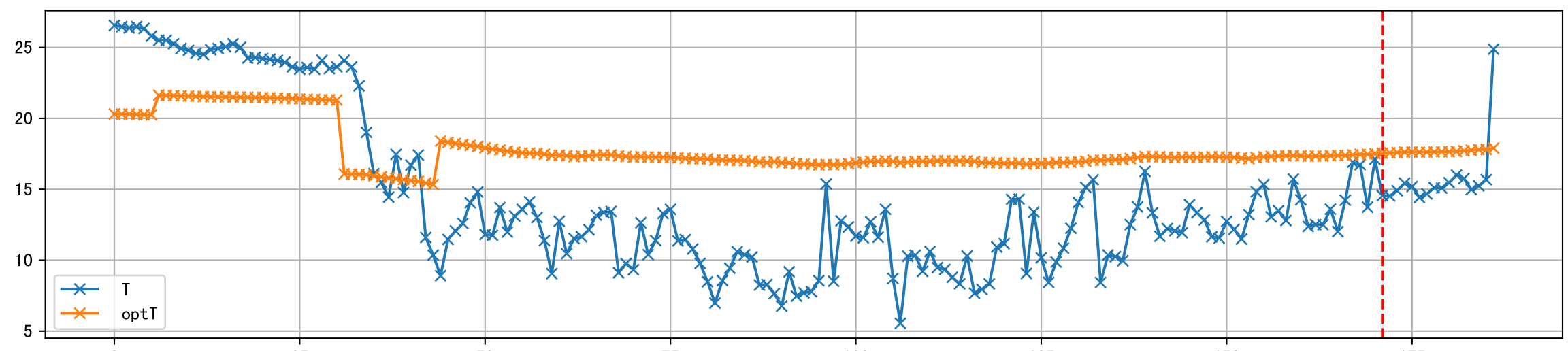

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
d
d

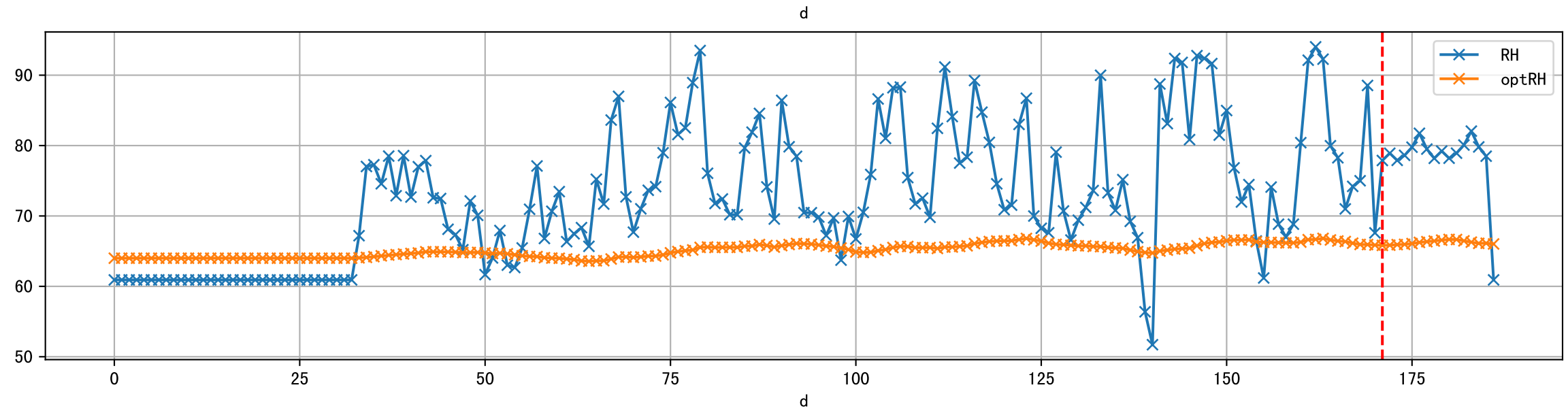

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

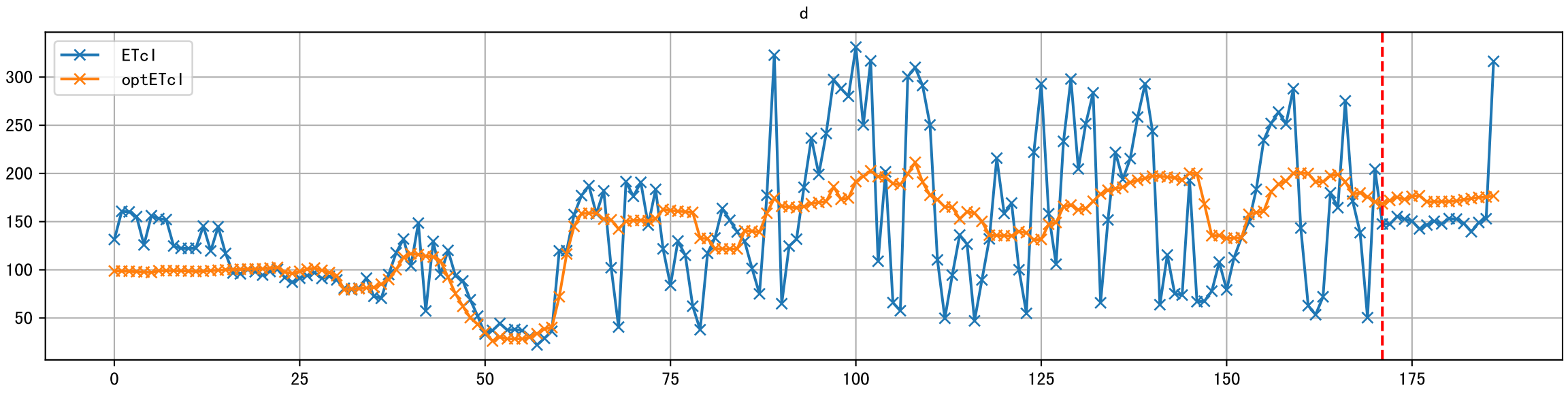

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

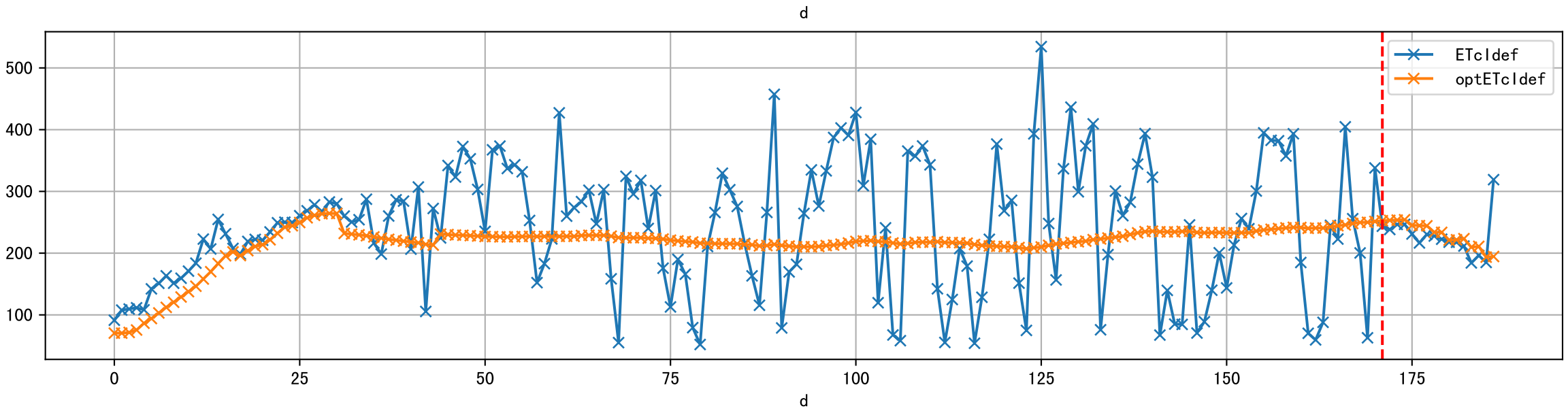
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

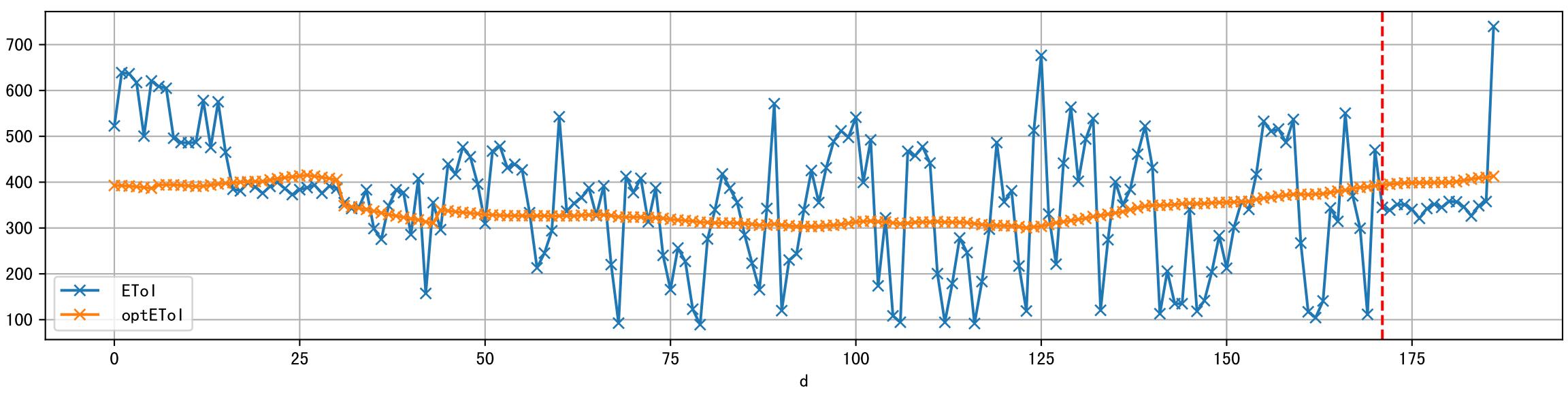


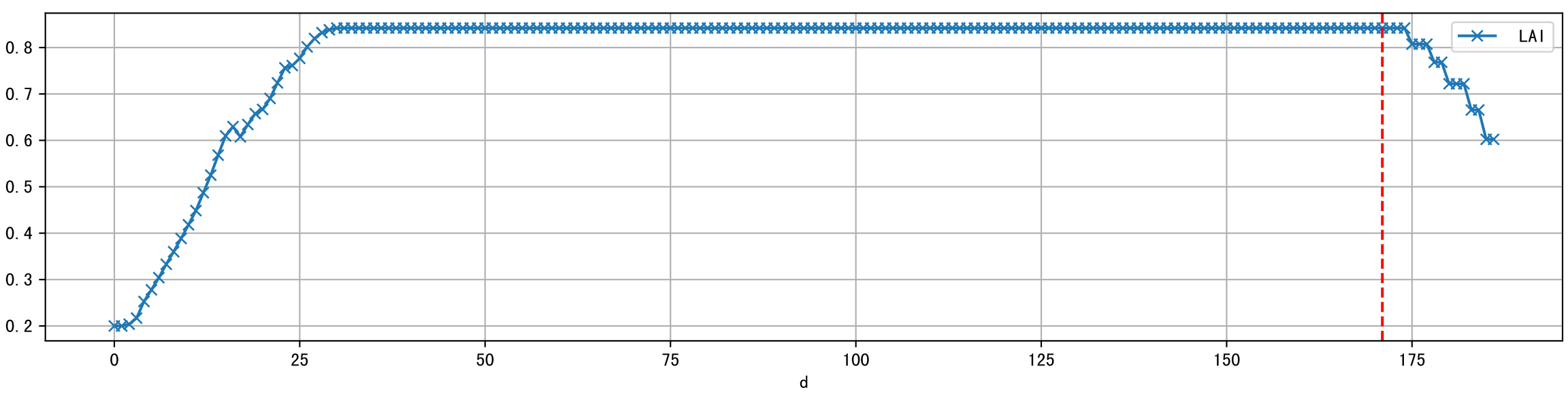


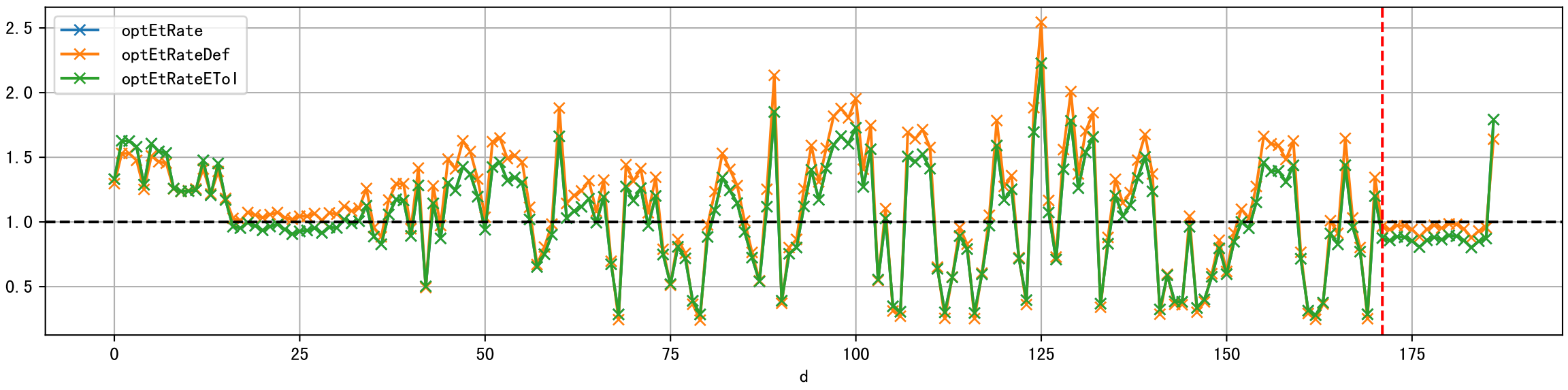


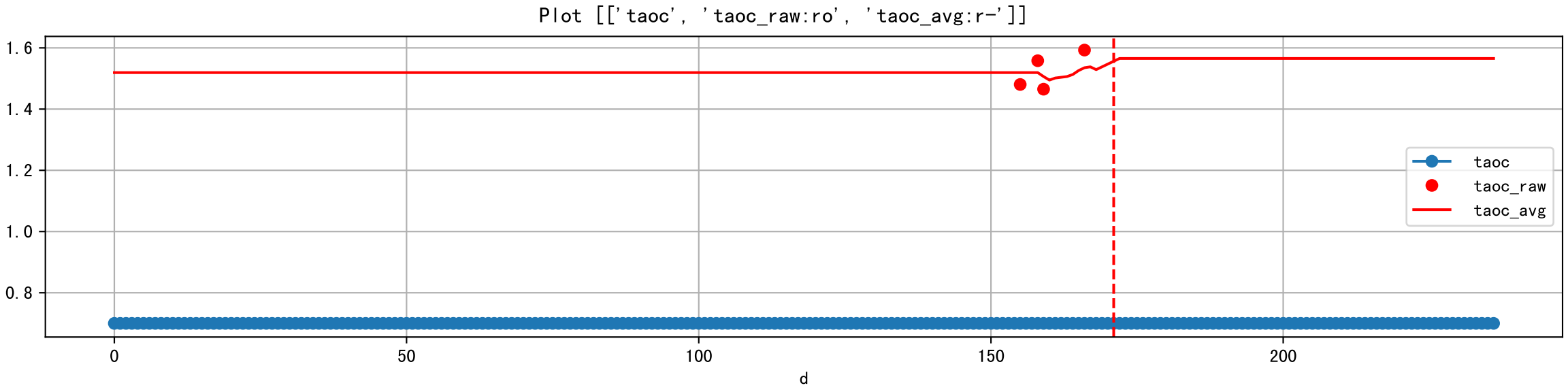


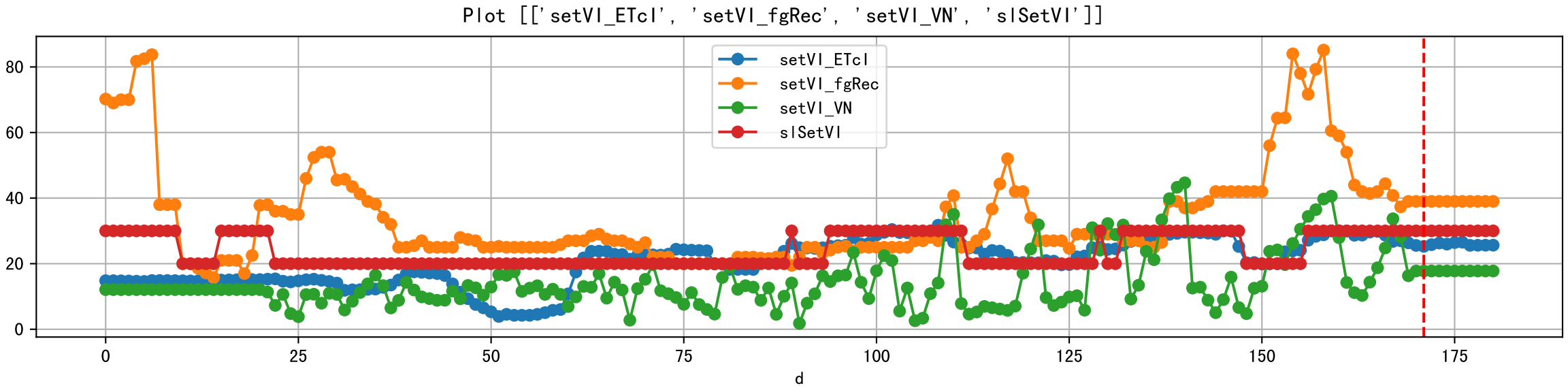


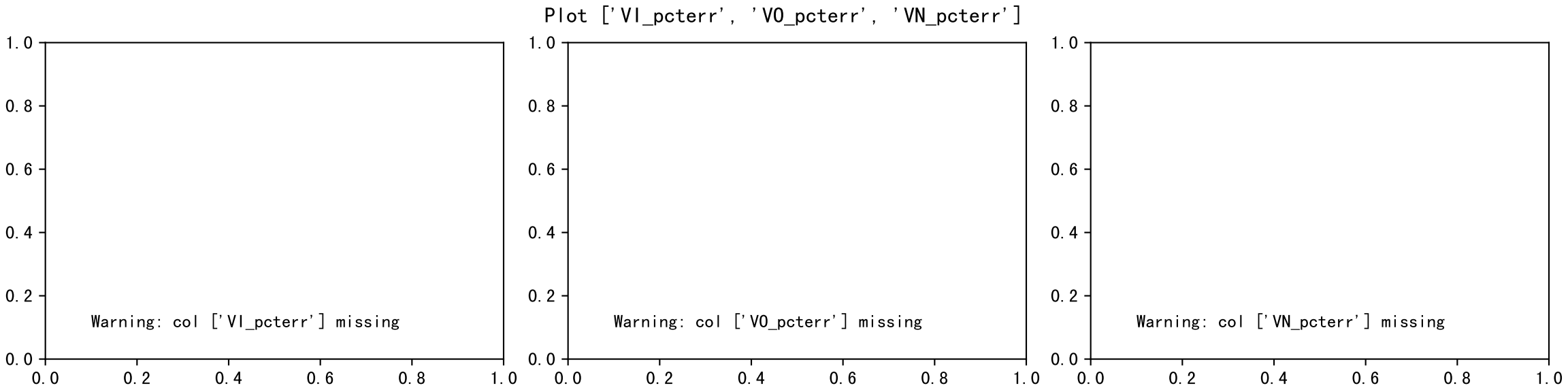


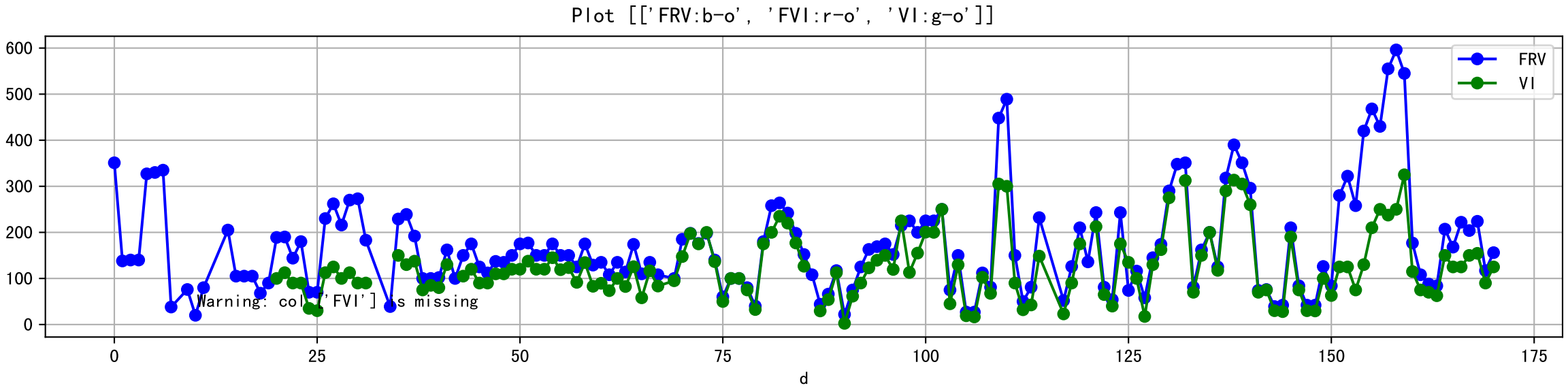


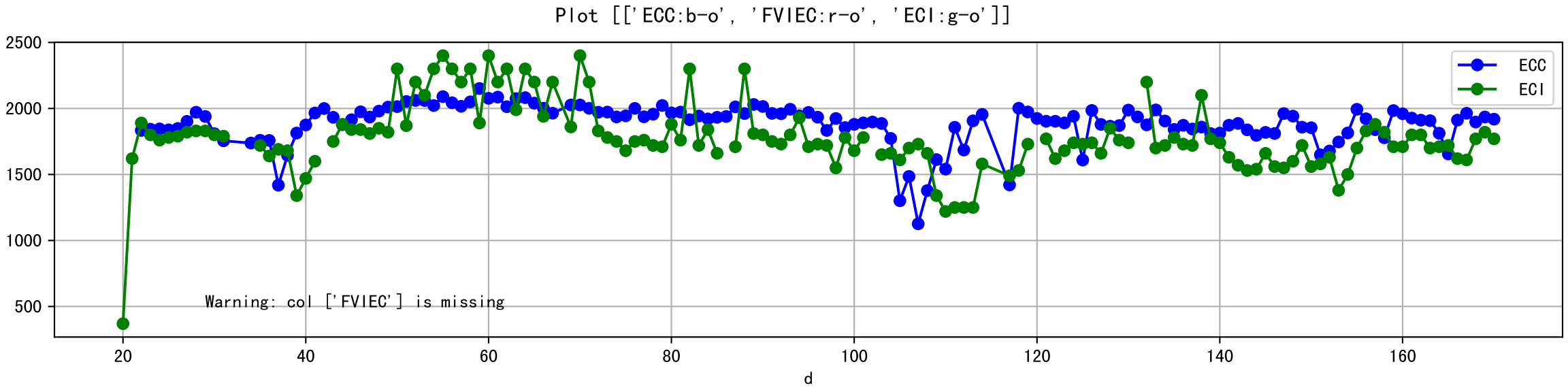


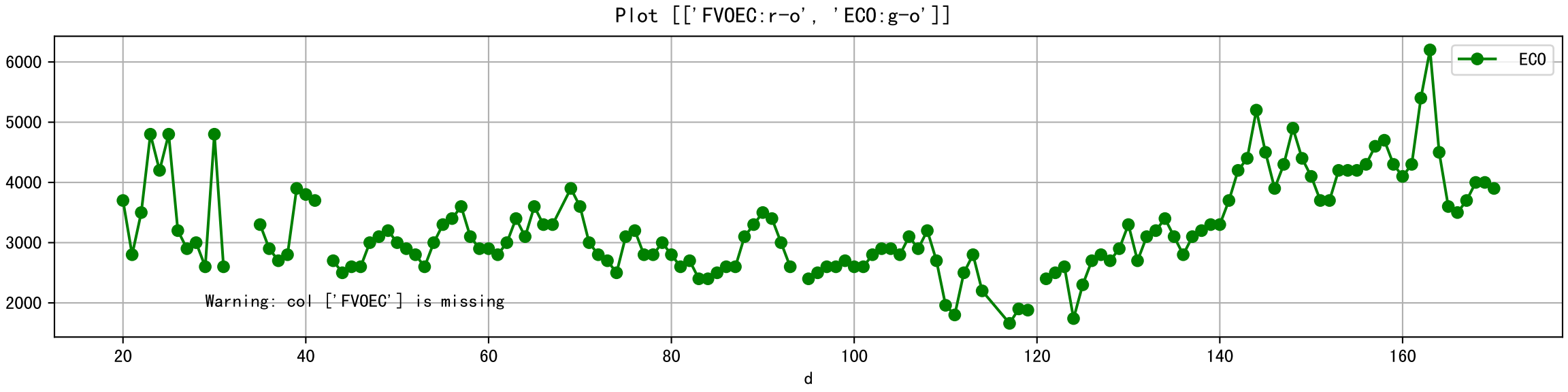

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
1.6
1.4
1.2
1.0
0.8
0
50
100
150
200
d
taoc
taoc_raw
taoc_avg

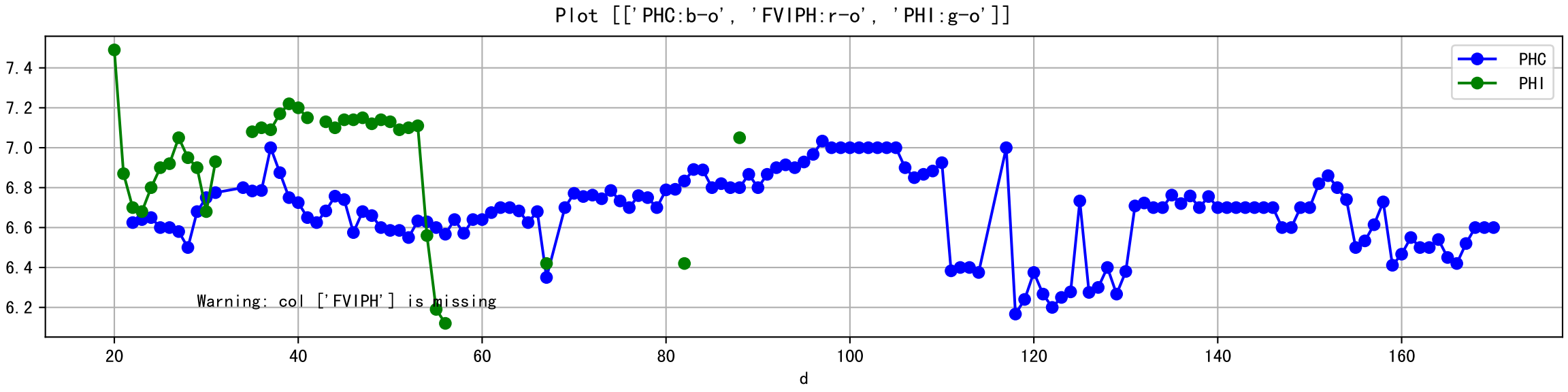

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'sISetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
sISetVI
0
20
40
60
80
0
25
50
75
100
125
150
175
d

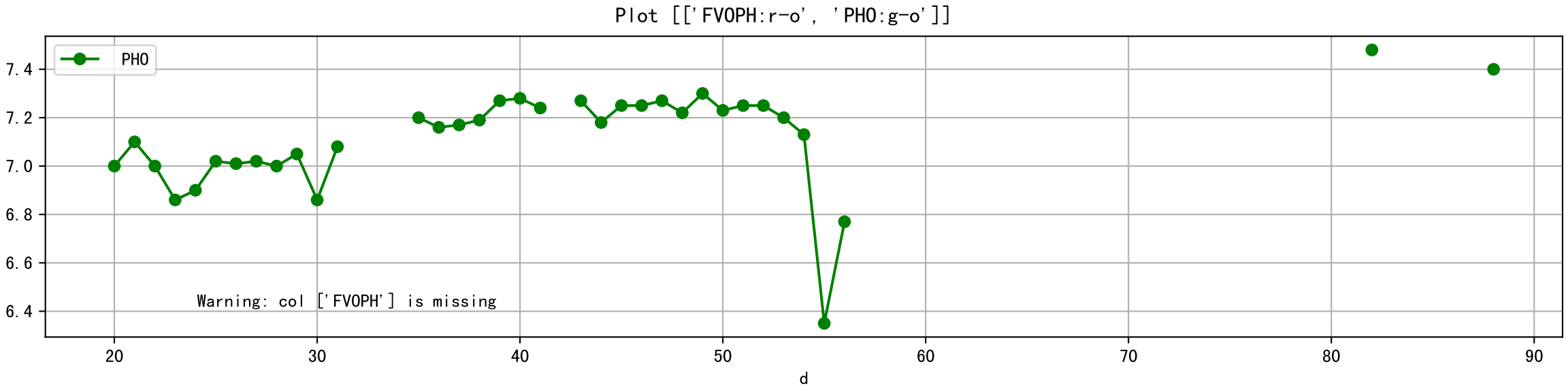

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

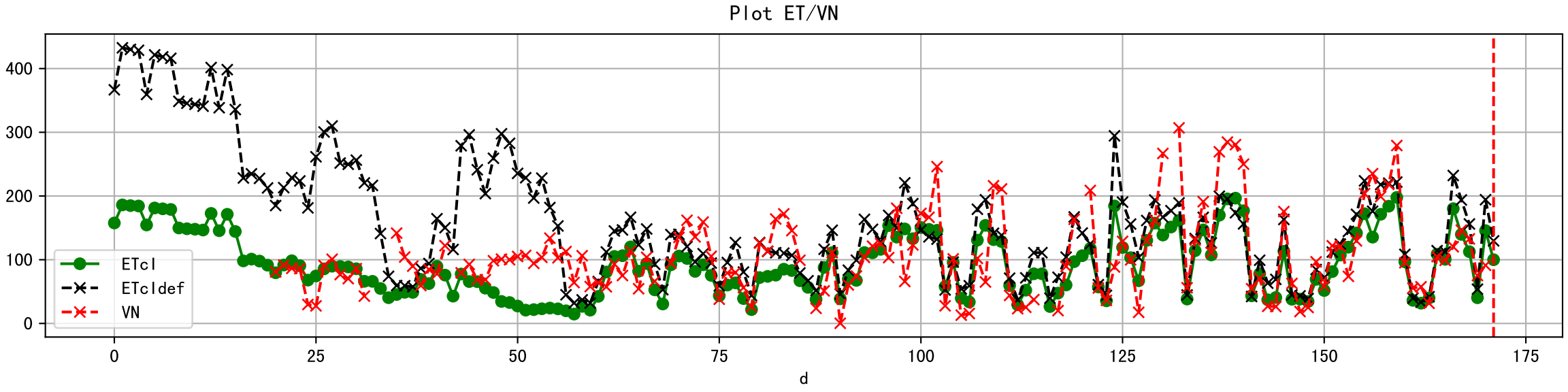

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
600
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160
d
ECC
ECI
Warning: col ['FVIEC'] is missing

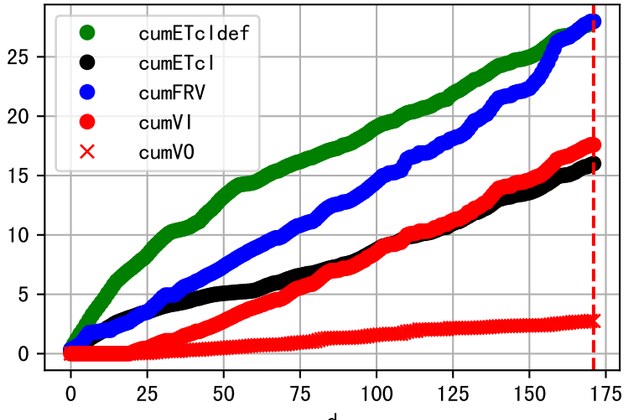

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
160
d

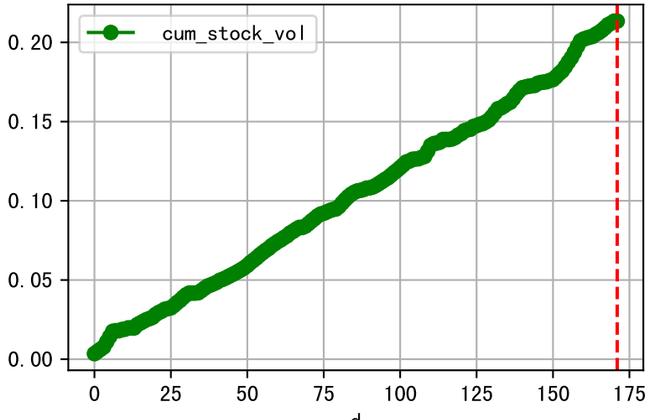

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
160
d

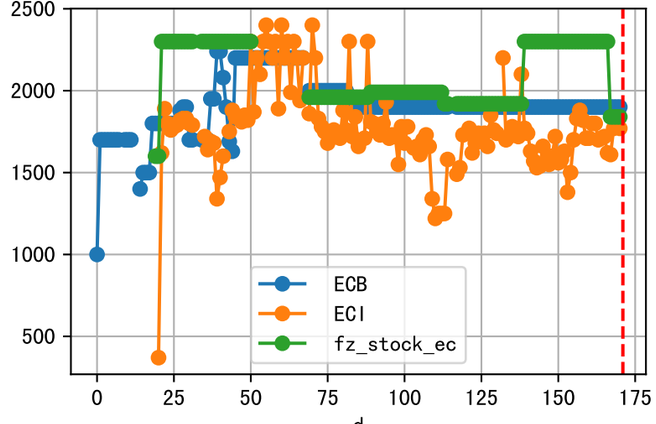

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

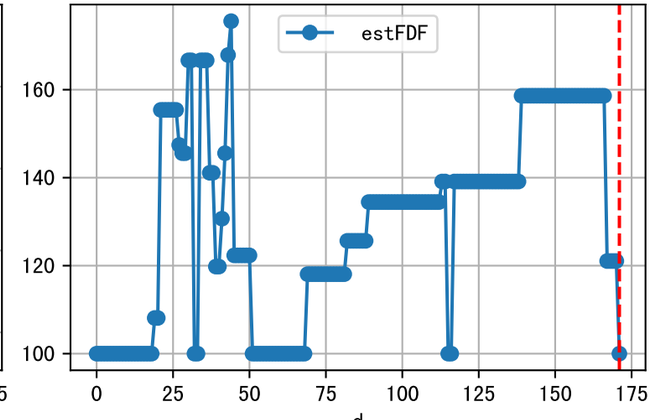

Plot ET/VN
ETcl
ETcldef
VN
d
0
25
50
75
100
125
150
175
0
100
200
300
400

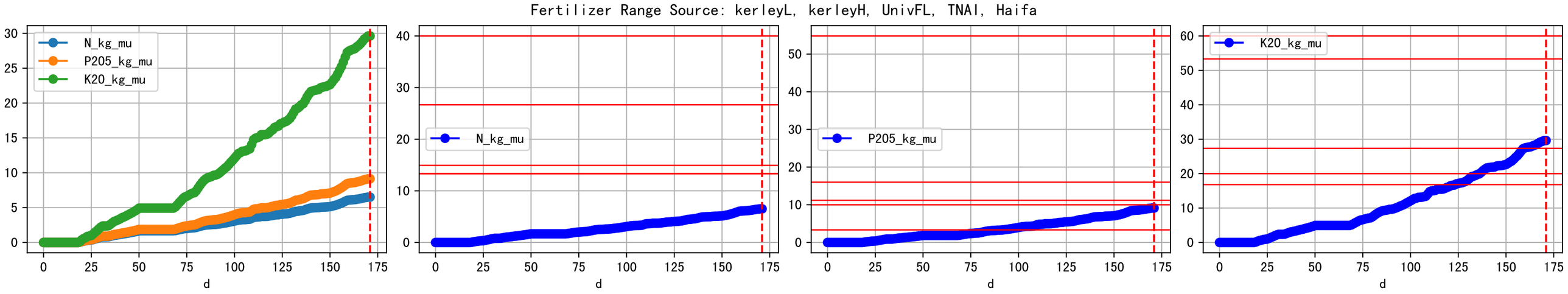
Plot Fv and fertilizer usage

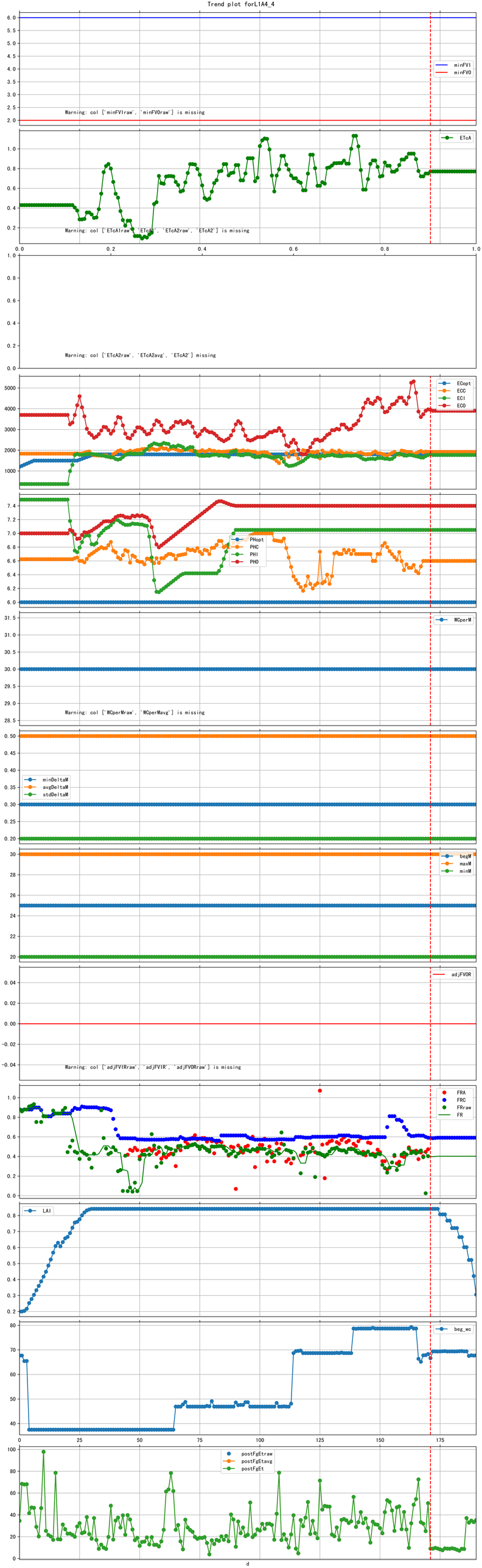


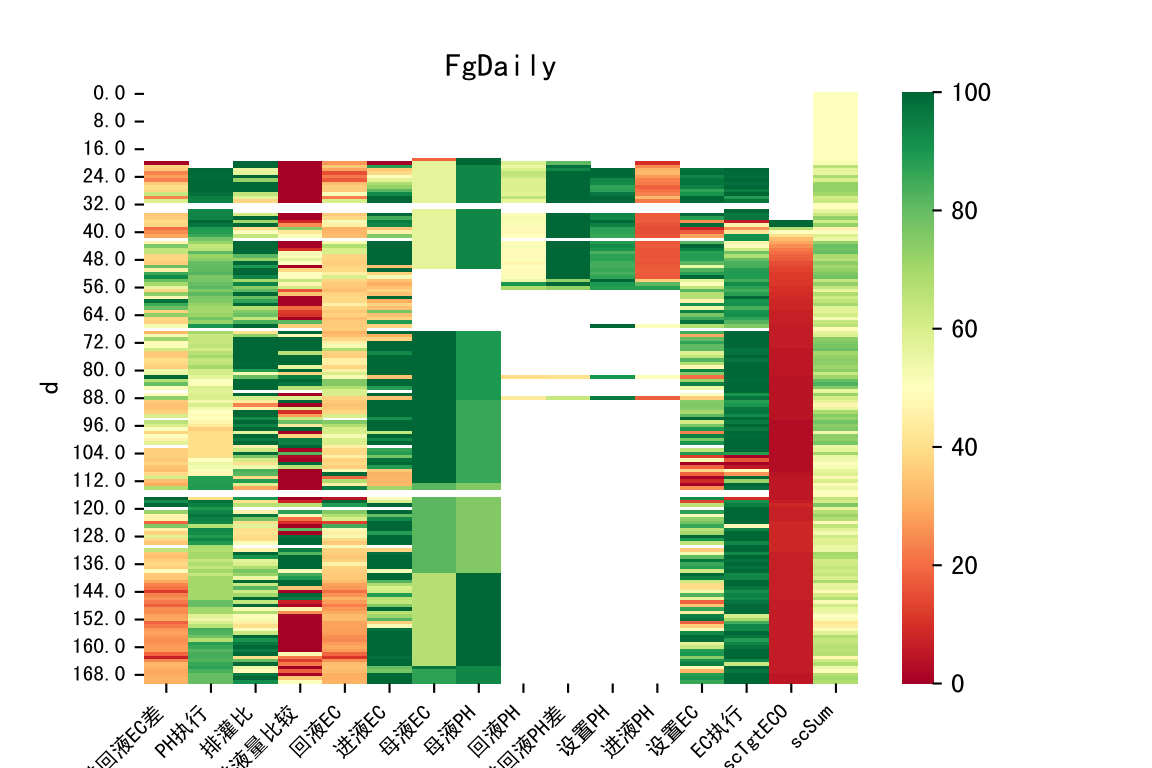




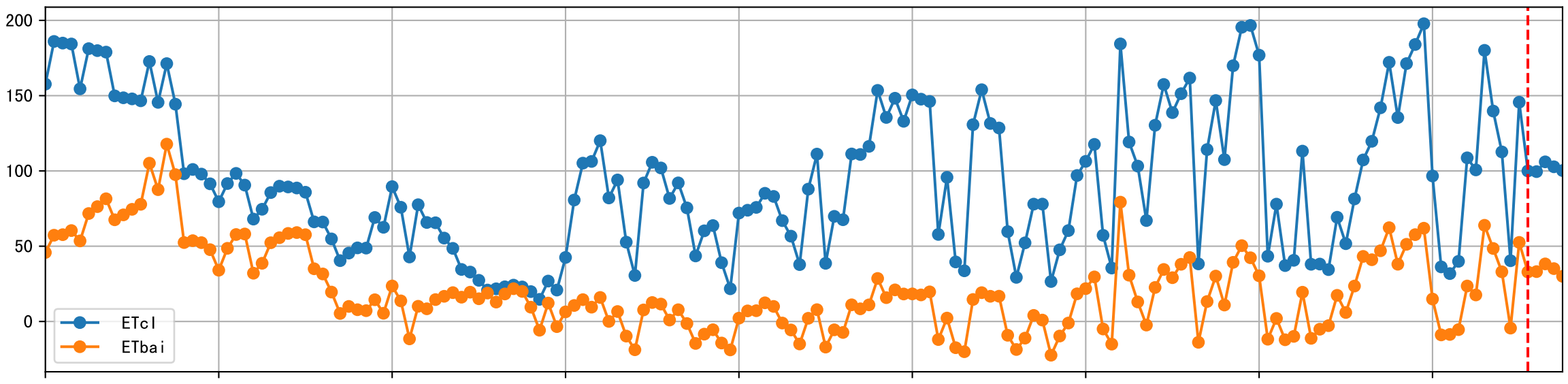


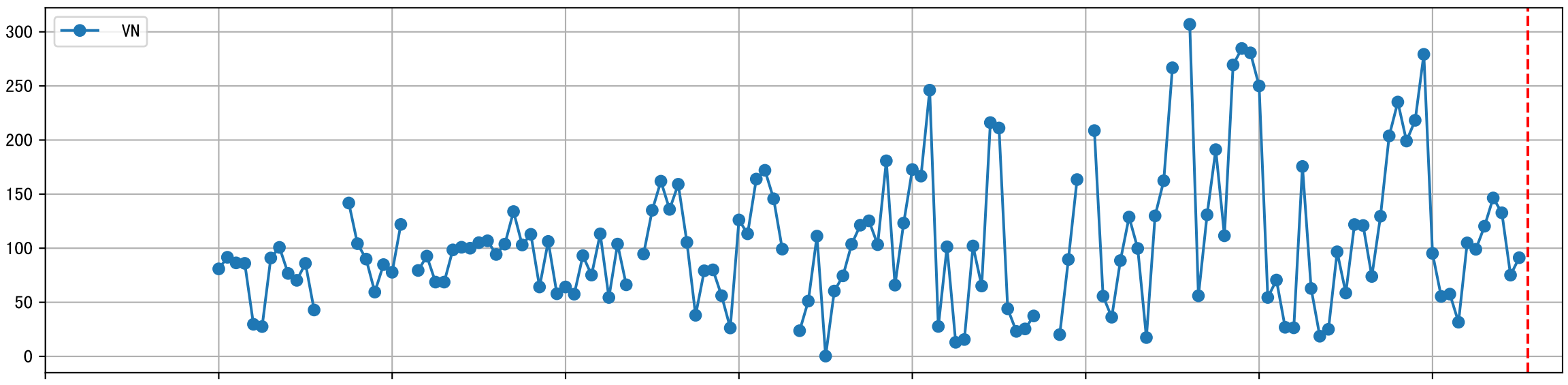

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

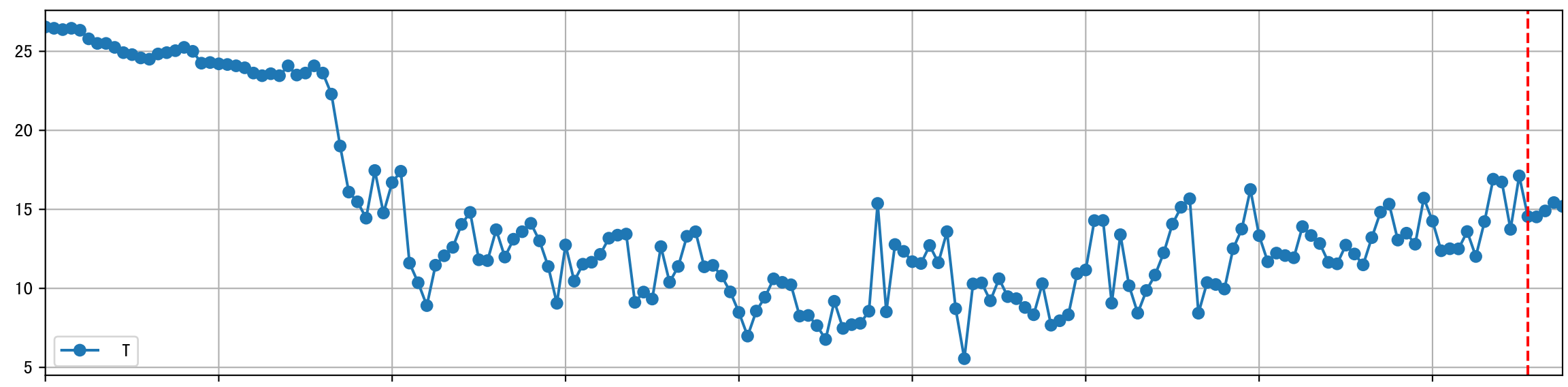

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

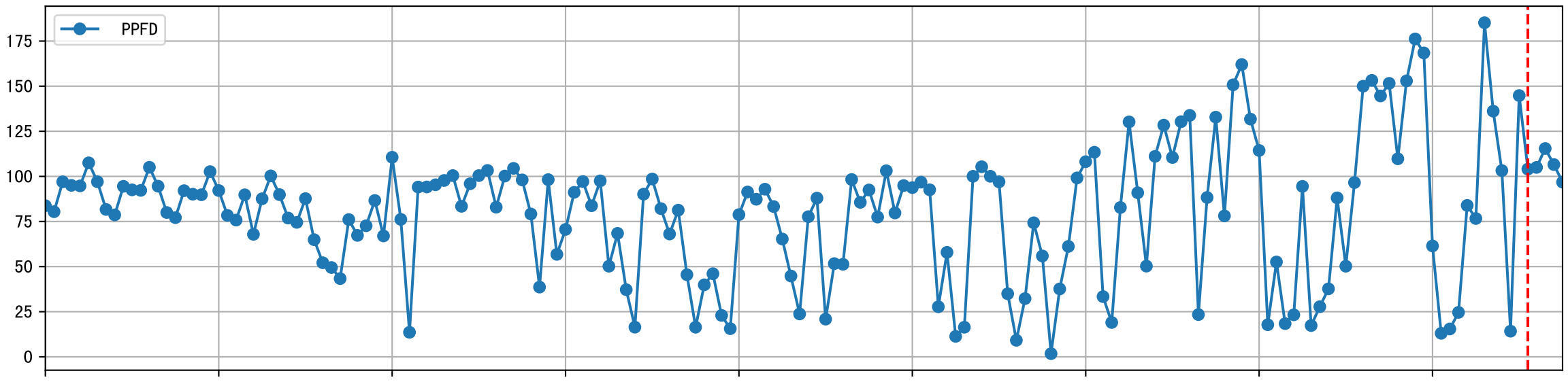

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
168.0
100
80
60
40
20
0
回液EC差
PH执行
排灌比
液量比较
回液EC
进液EC
母液EC
母液PH
回液PH
回液PH差
设置PH
进液PH
设置EC
EC执行
scTgtEC0
scSum

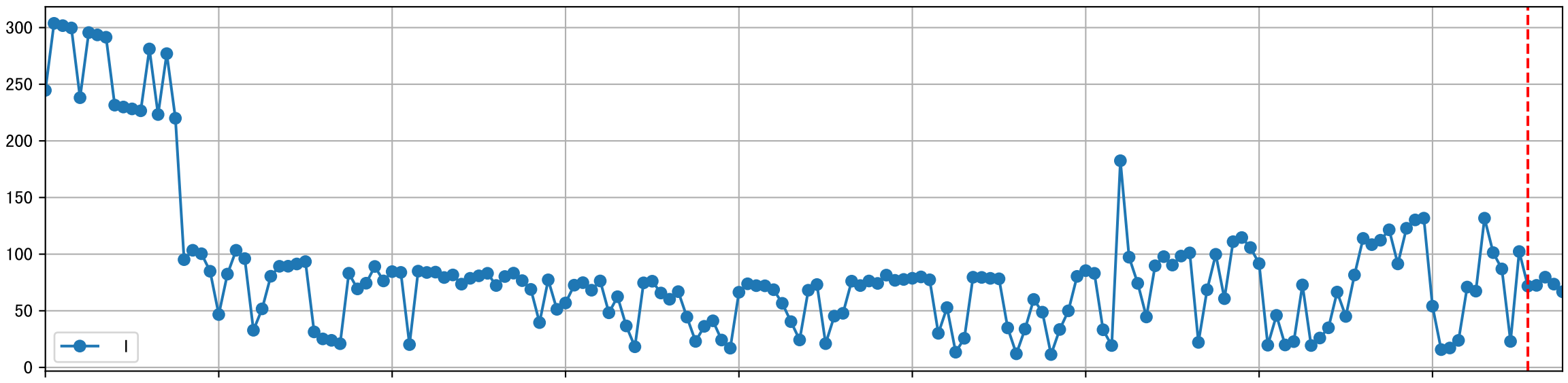
L1A4_4

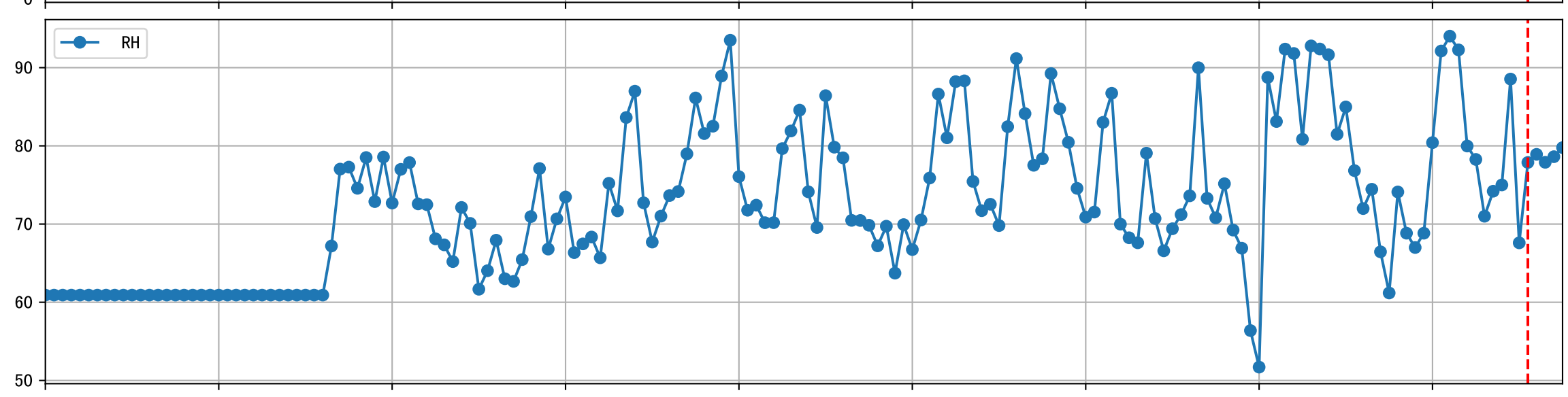


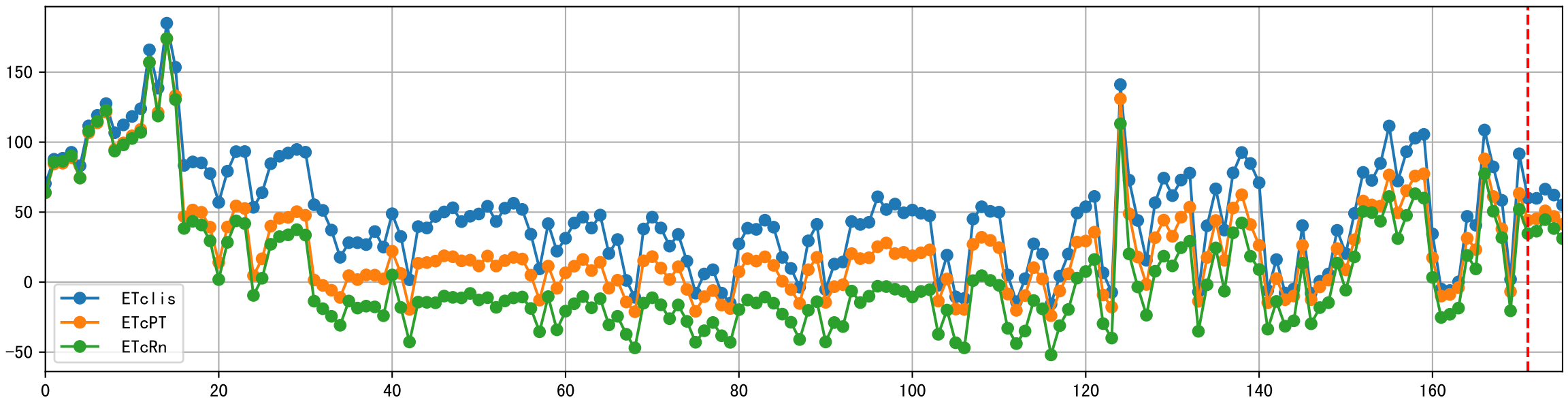




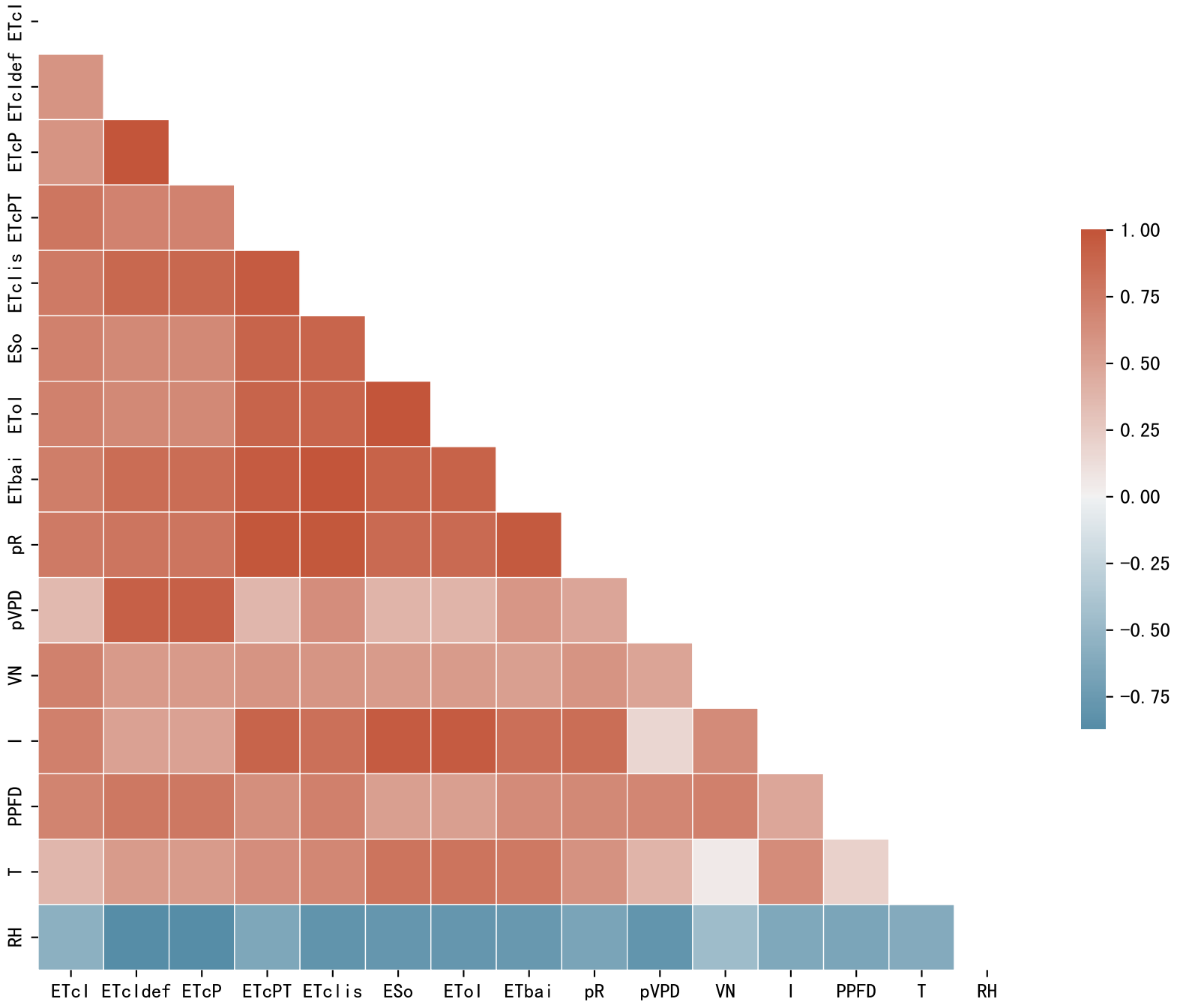


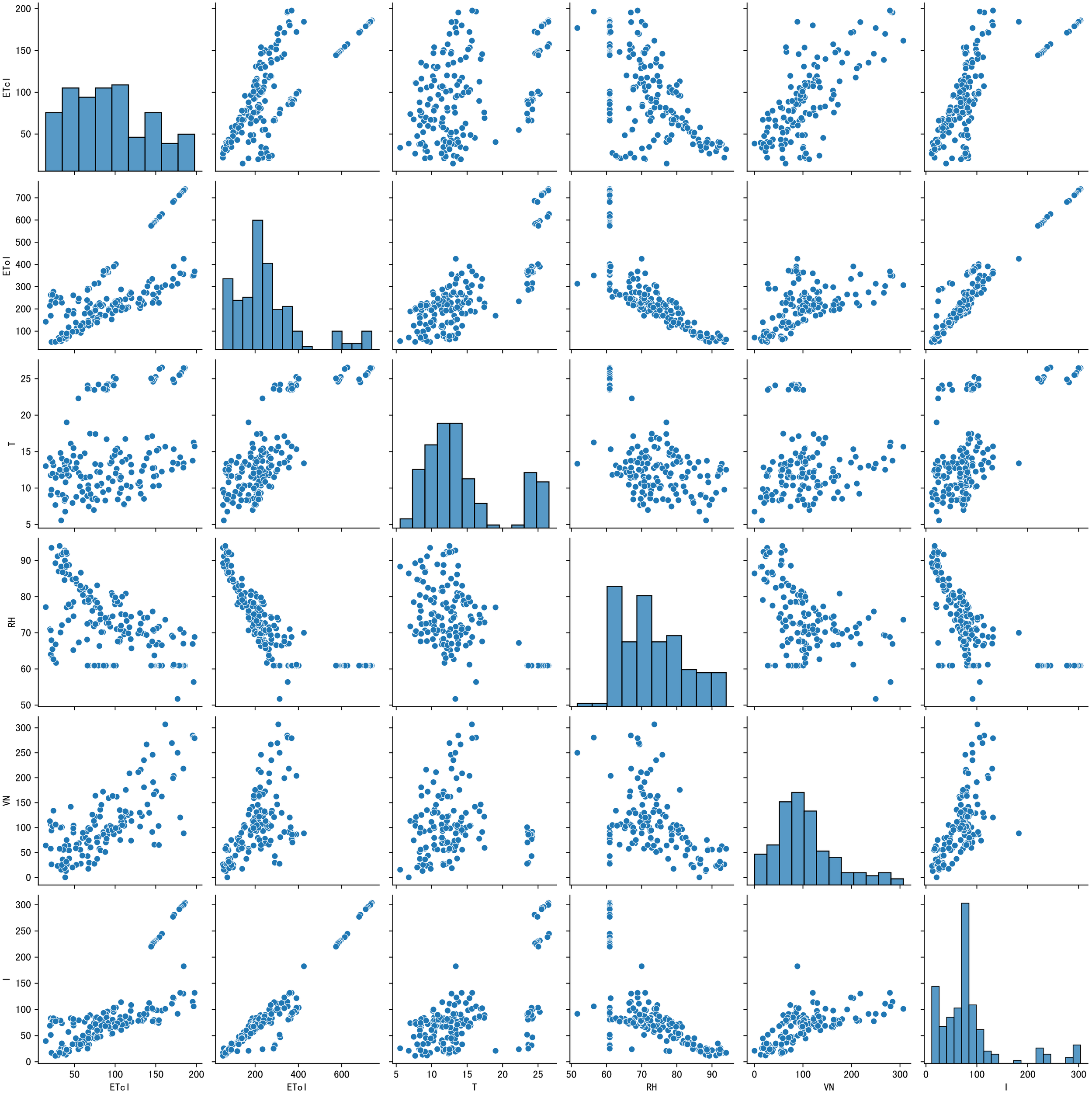


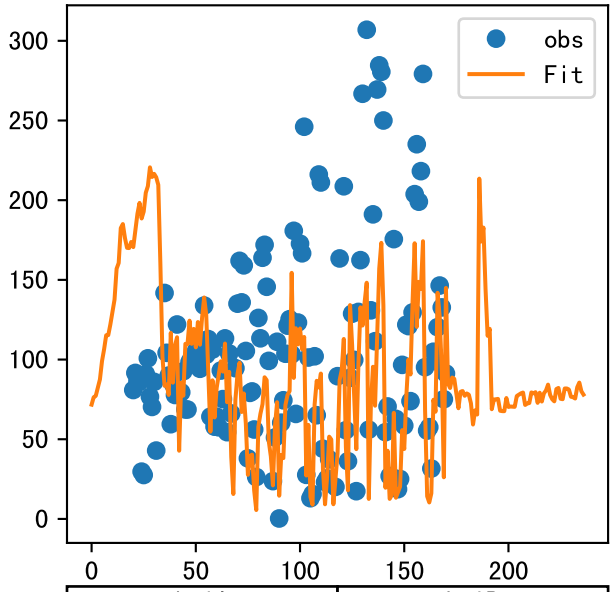


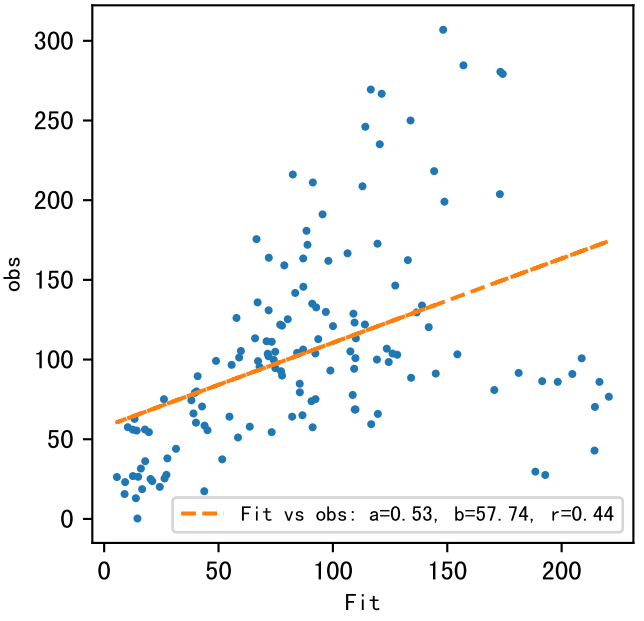


d

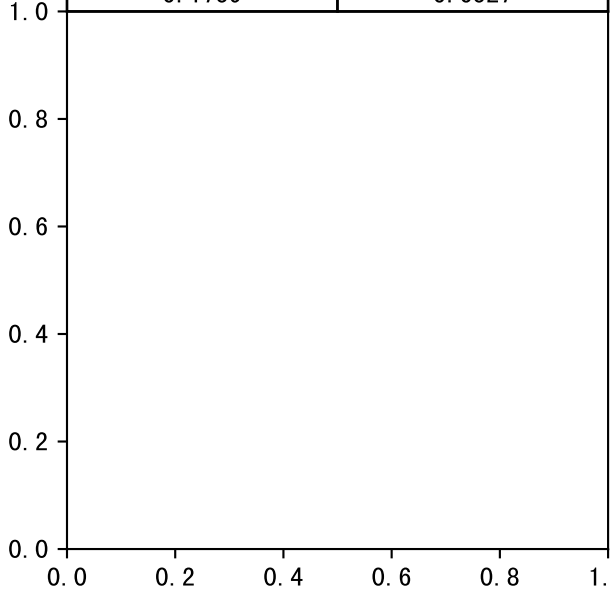

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

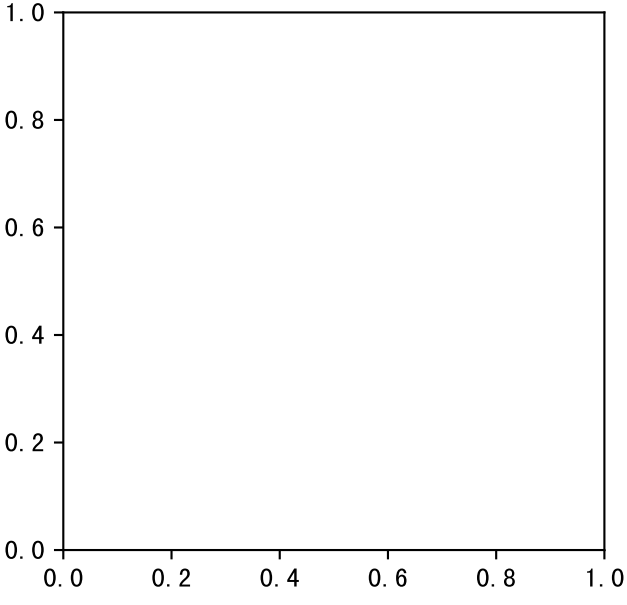

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

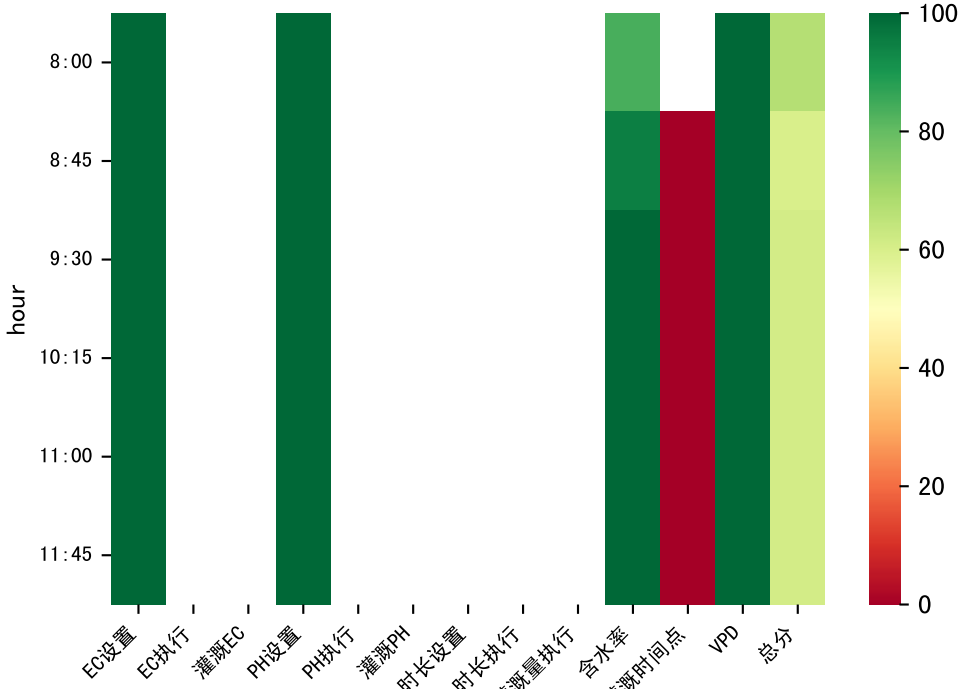




baiA	baiB
0.1759	0.0527

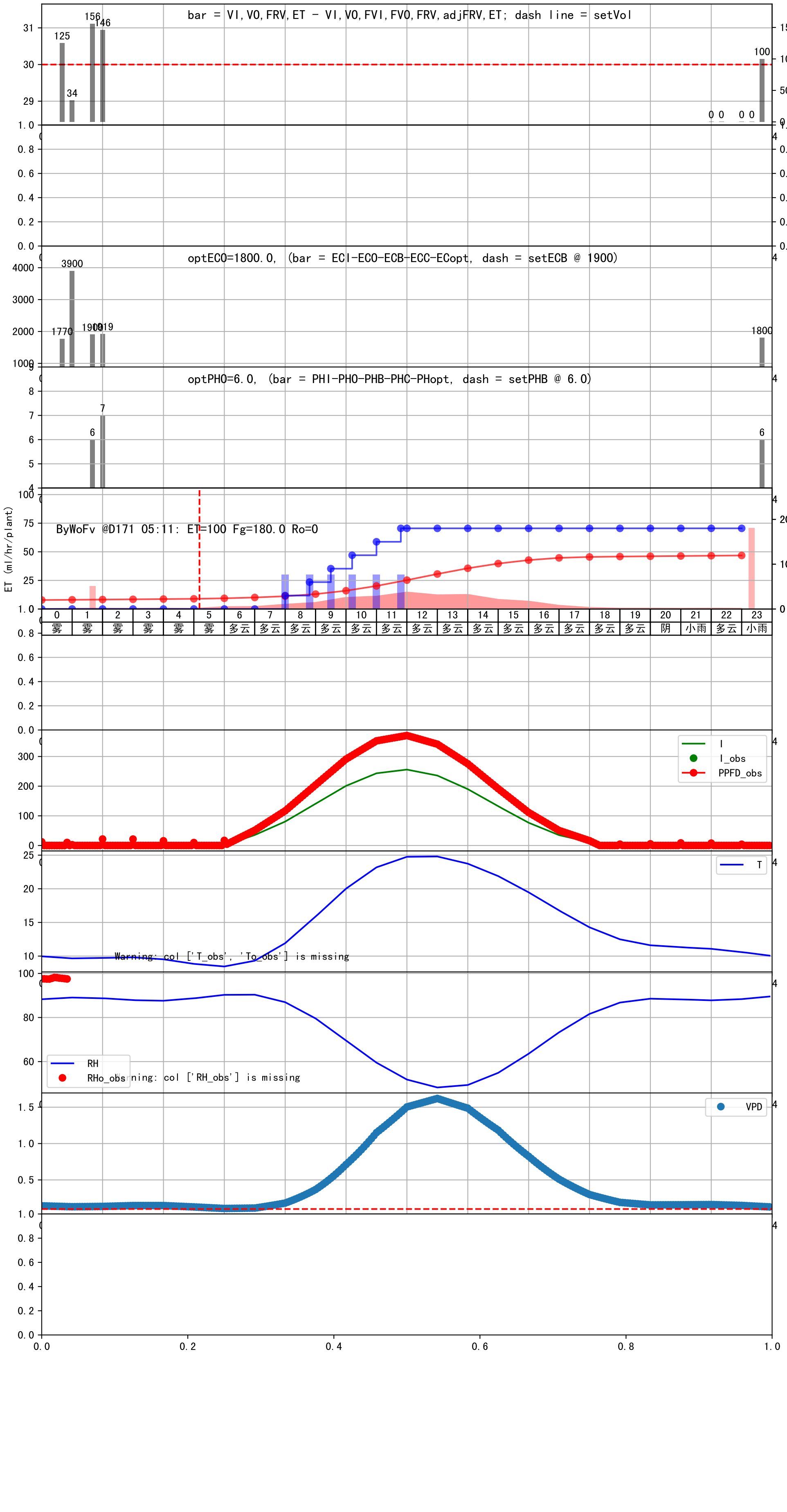


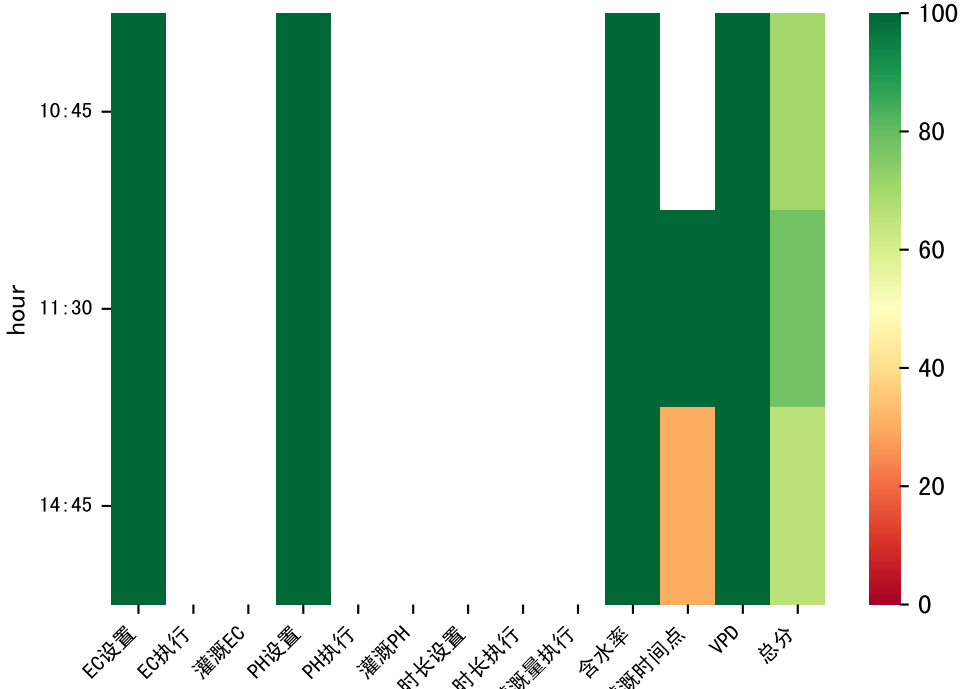



hour
8:00
8:45
9:30
10:15
11:00
11:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:00	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:45	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
09:30	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
10:15	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
11:00	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
11:45	75	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
总计	450.0 (6次)	180.0			建议进液EC：1900， PH：6.0

L1A4_4, Day=171 (2026-03-26)

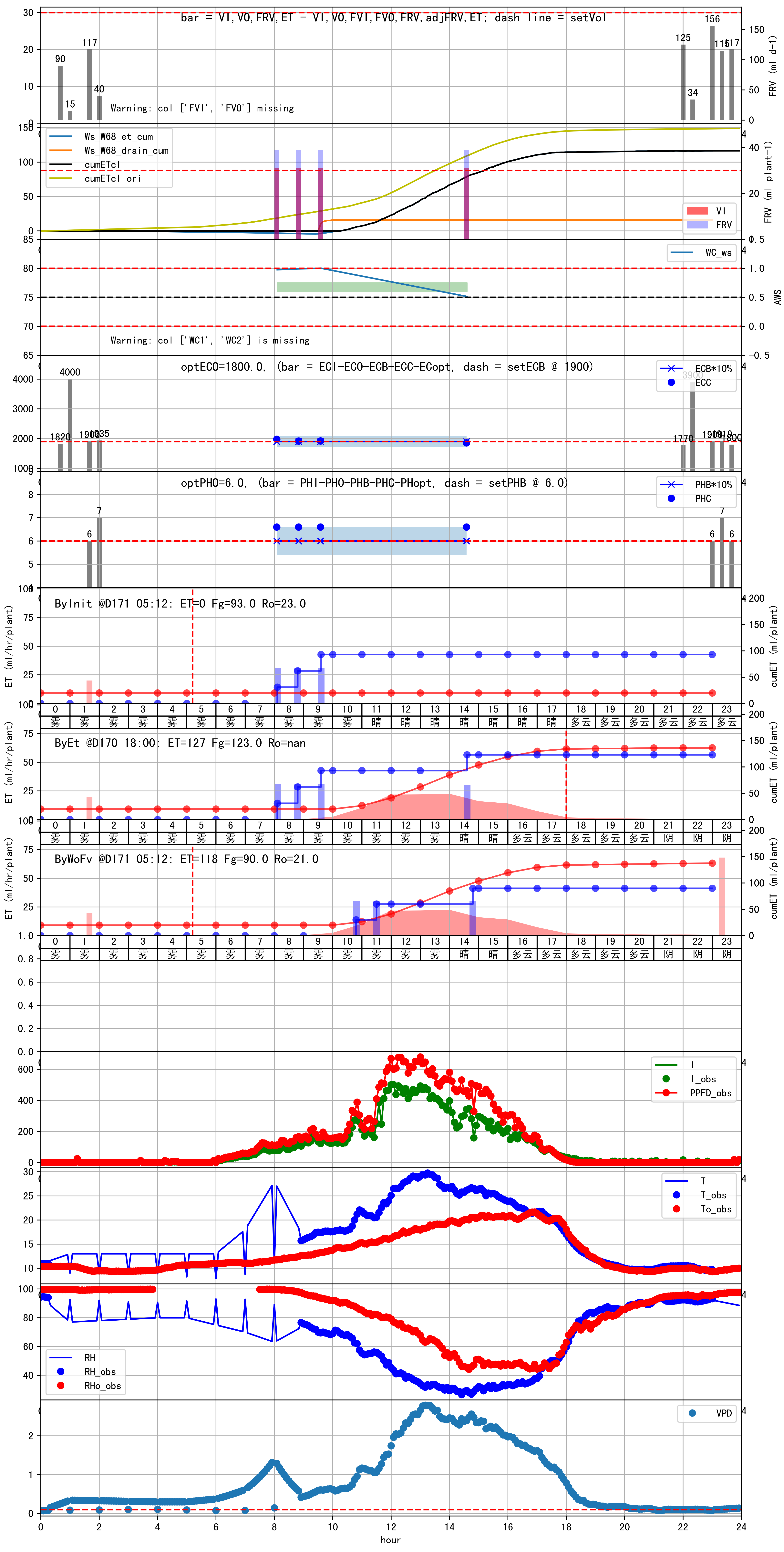


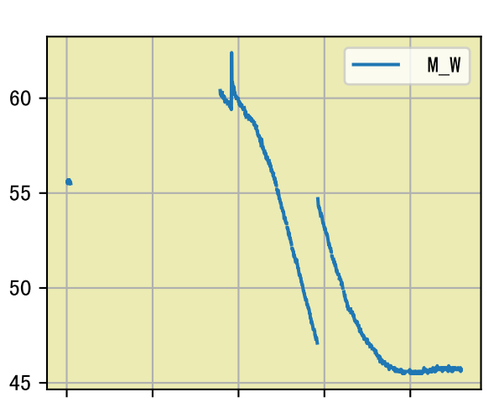

hour
10:45
11:30
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

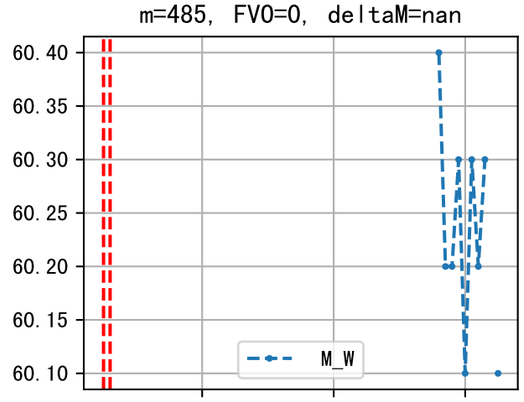
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
70	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
70	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 21 ml/株
70	30.0	0.122	晴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
210.0（3次）	90.0			建议进液EC：1900， PH：6.

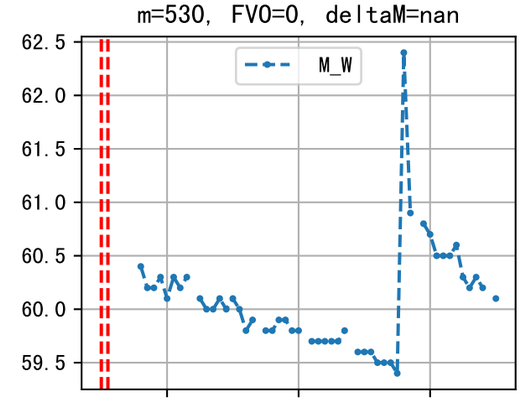
施肥机灌溉量与预期值不符 (39.0 : 28.0)，可能水表需要校准
默认实际灌溉28.0 ml.

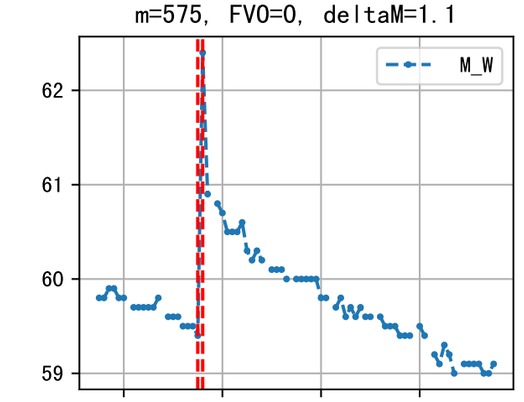
L1A4_4, Day=170.0 (2026-03-25)

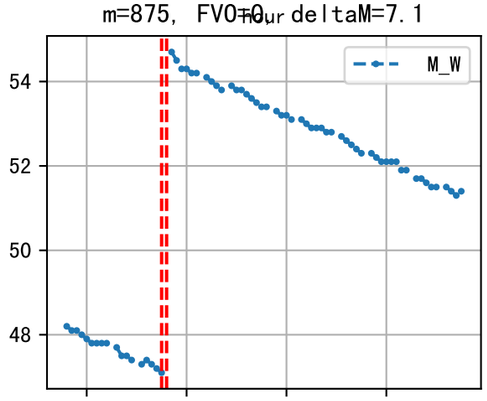


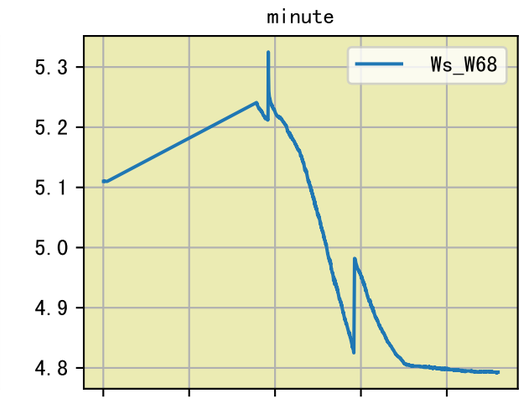

M_W

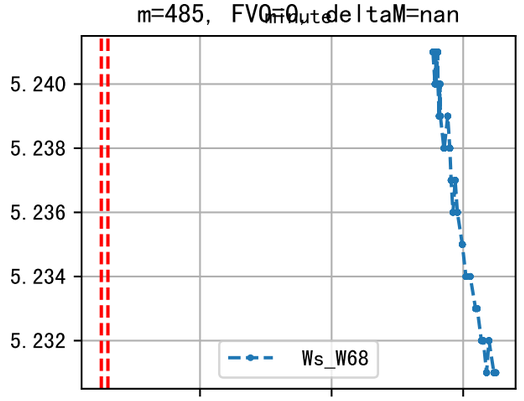

m=485, FV0=0, deltaM=nan
M_W
minute

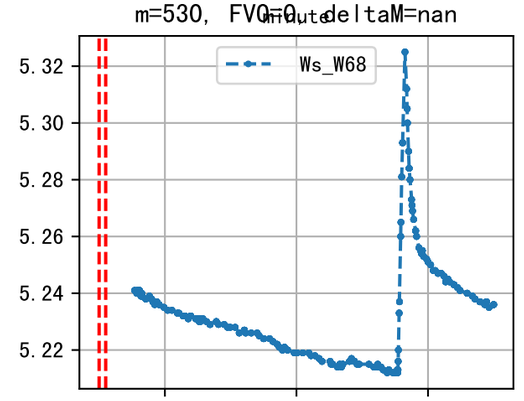

m=530, FV0=0, deltaM=nan
M_W
minute

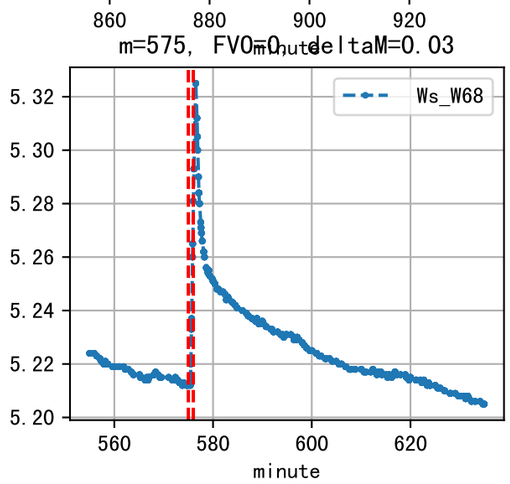

m=575, FV0=0, deltaM=1.1
M_W
minute

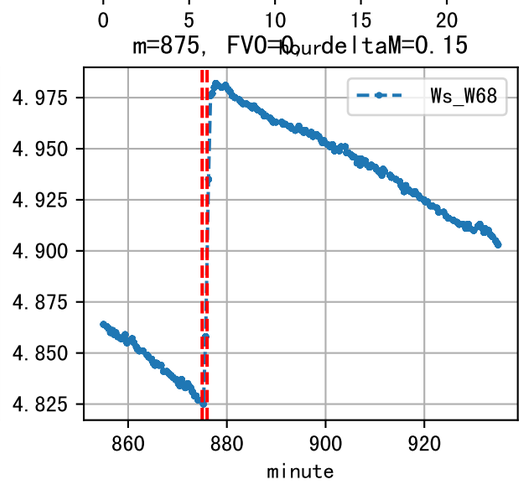

m=875, FV0=0, deltaM=7.1
M_W
hour

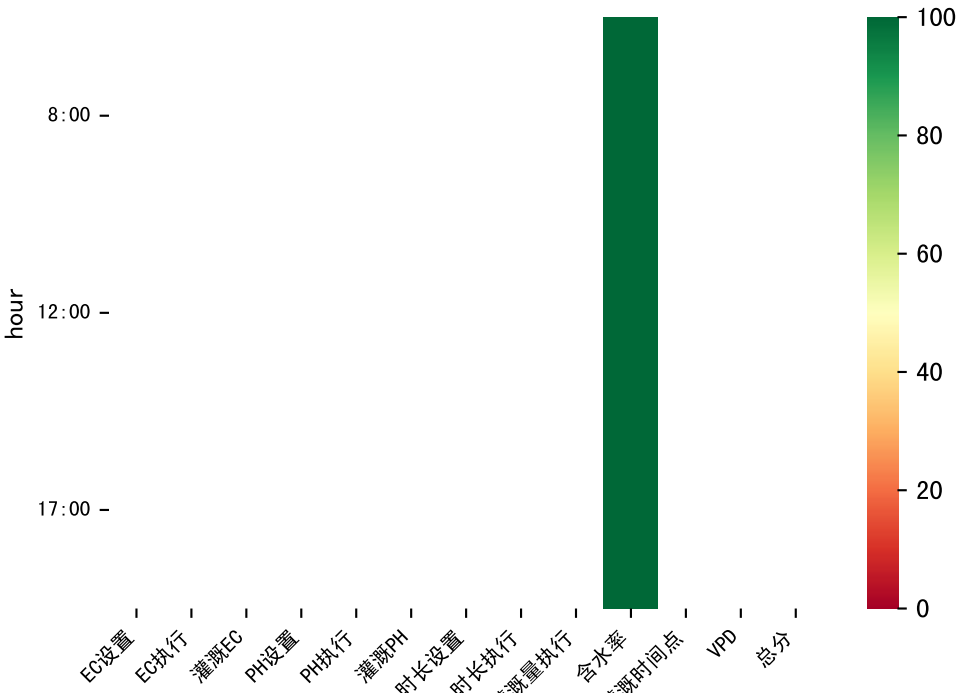

Ws_W68
hour


m=485, FV0=0, deltaM=nan
Ws_W68
minute


m=530, FV0=0, deltaM=nan
Ws_W68
minute


m=575, FV0=0, deltaM=0.03
Ws_W68
minute

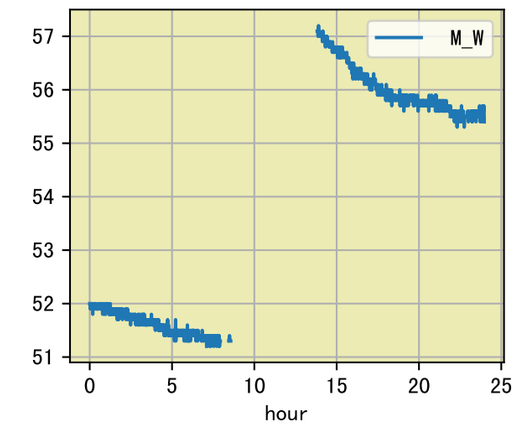

m=875, FV0=0, deltaM=0.15
Ws_W68
minute

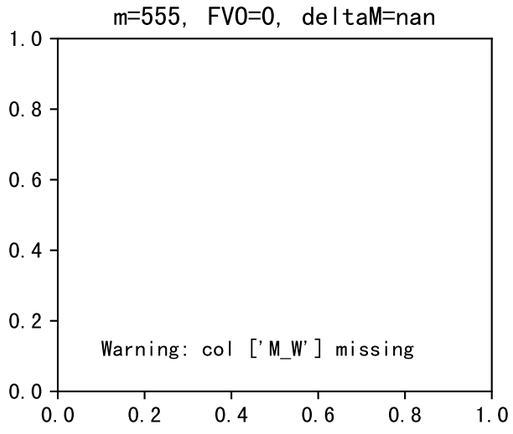

hour
8:00
12:00
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

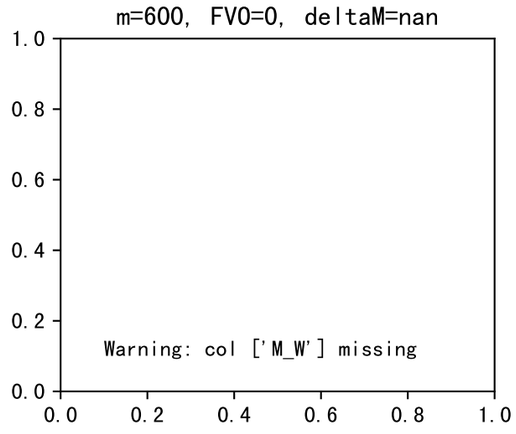
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
总计	0 (0次)	0			建议进液EC：1900， PH：6.0

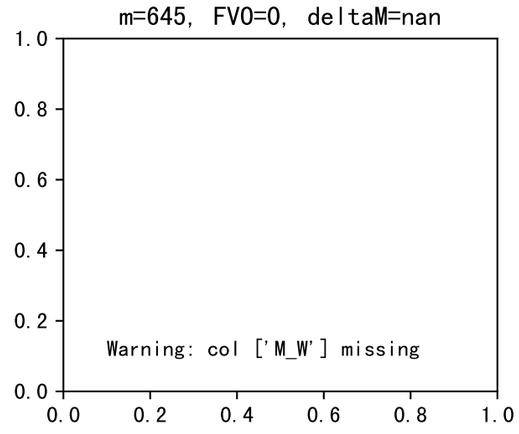
施肥机灌溉量与预期值不符 (39.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

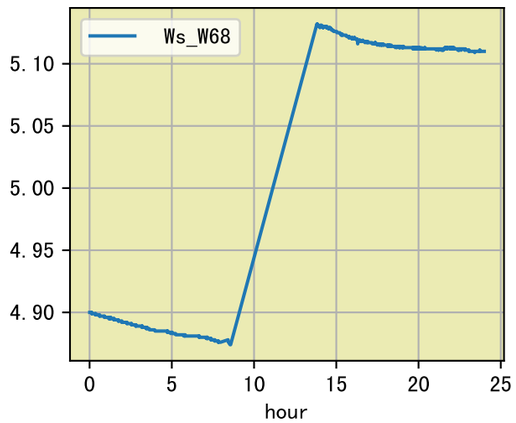
L1A4_4, Day=169.0 (2026-03-24)

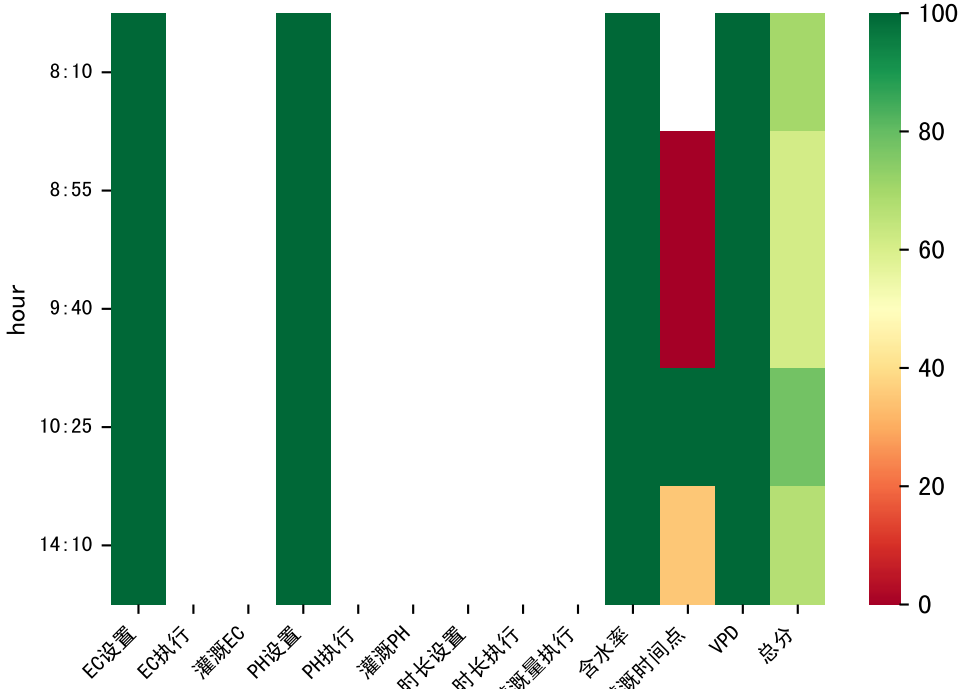

M_W
57
56
55
54
53
52
51
0
5
10
15
20
25
hour


m=555, FV0=0, deltaM=nan
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['M_W'] missing
0.0
0.2
0.4
0.6
0.8
1.0


m=600, FV0=0, deltaM=nan
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['M_W'] missing
0.0
0.2
0.4
0.6
0.8
1.0


m=645, FV0=0, deltaM=nan
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col ['M_W'] missing
0.0
0.2
0.4
0.6
0.8
1.0

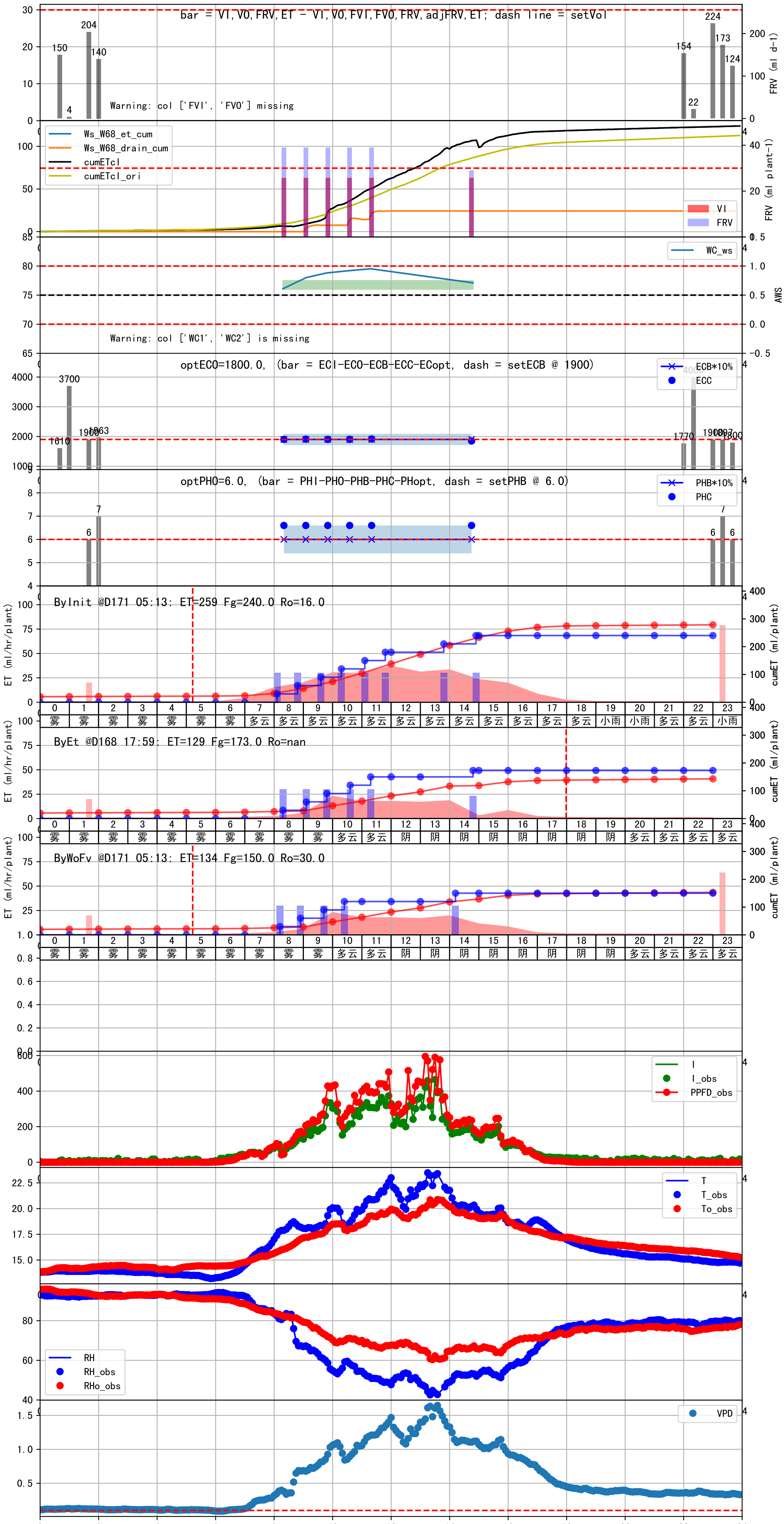

Ws_W68
5.10
5.05
5.00
4.95
4.90
0
5
10
15
20
25
hour

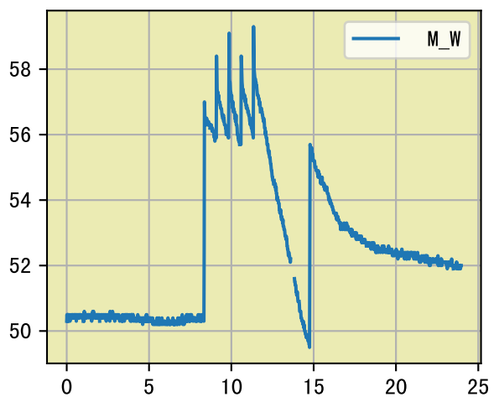

hour
8:10
8:55
9:40
10:25
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

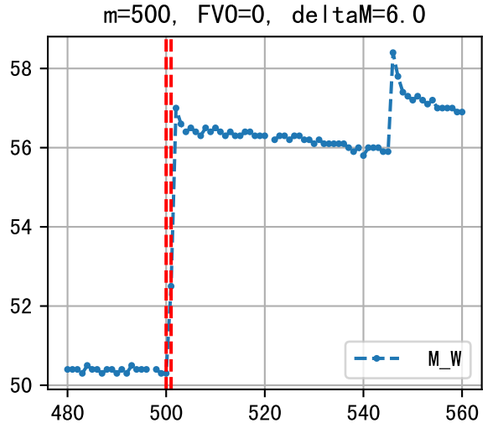
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 12 ml/株
67	30.0	0.122	多云	假设（未预测） 未知程序（未用进回液传感器）（预期回液 18 ml/株
67	30.0	0.122	阴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
335.0（5次）	150.0			建议进液EC：1900， PH：6.

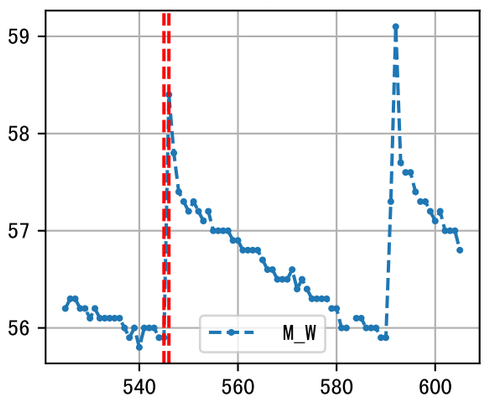
施肥机灌溉量与预期值不符（29.0 : 23.0），可能水表需要校准
上次灌溉时长未按模型建议(51 vs 67.0))
默认实际灌溉23.0 ml.

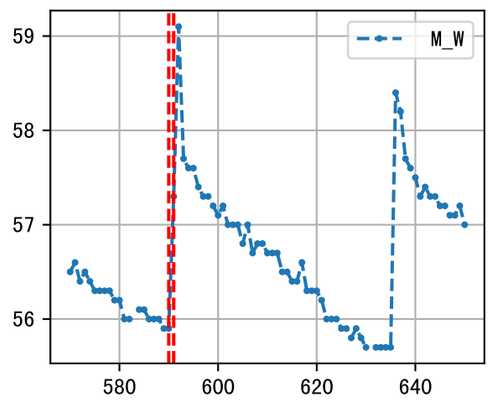
L1A4_4, Day=168.0 (2026-03-23)

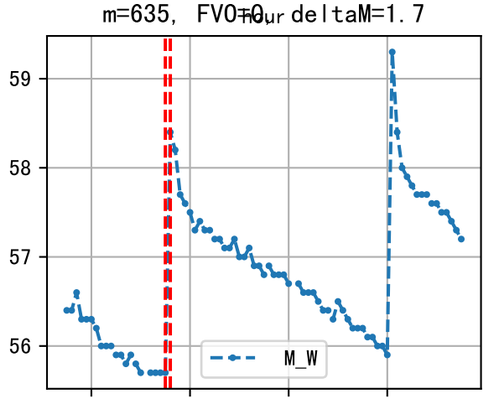


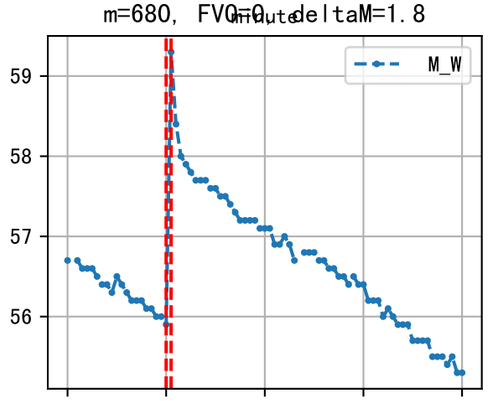

M_W

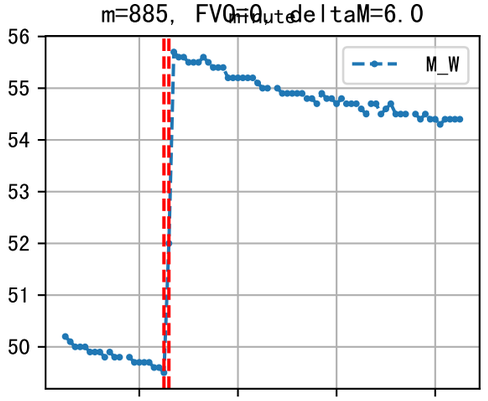

m=500, FV0=0, deltaM=6.0
M_W

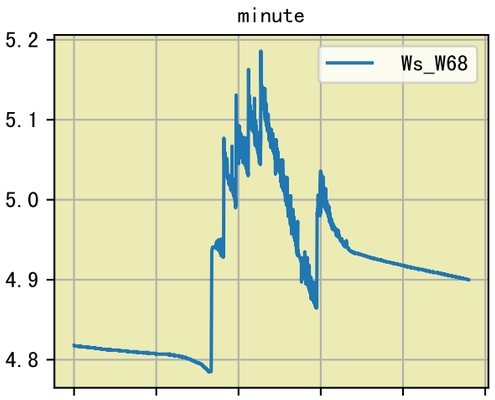

m=545, FV0=0, deltaM=1.3
M_W

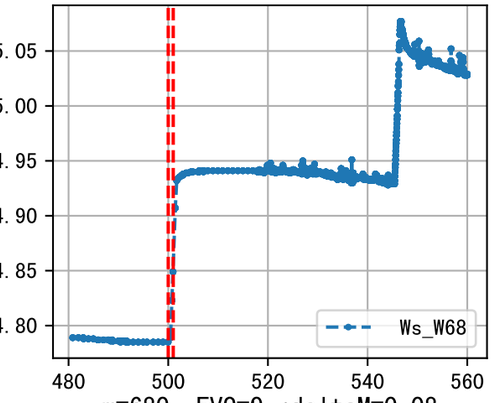

m=590, FV0=0, deltaM=1.4
M_W
minute

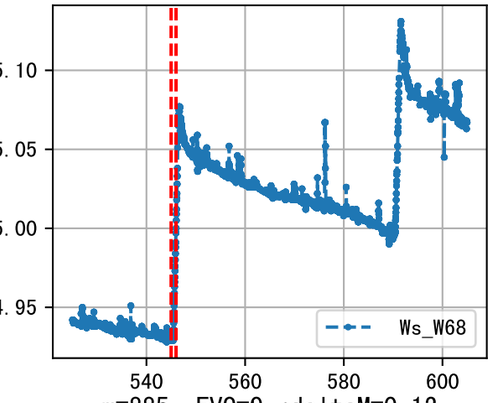

m=635, FV0=0, deltaM=1.7
M_W

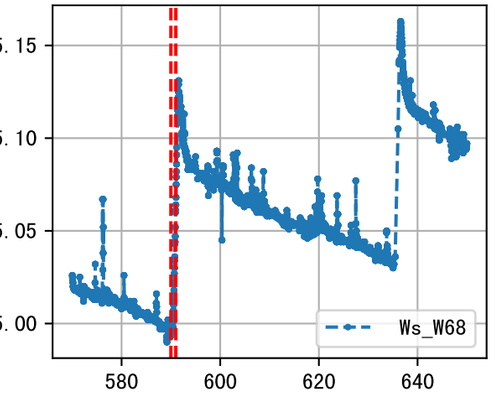

m=680, FV0=0, deltaM=1.8
M_W

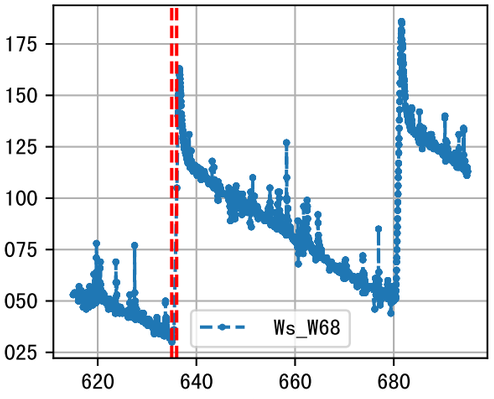

m=885, FV0=0, deltaM=6.0
M_W

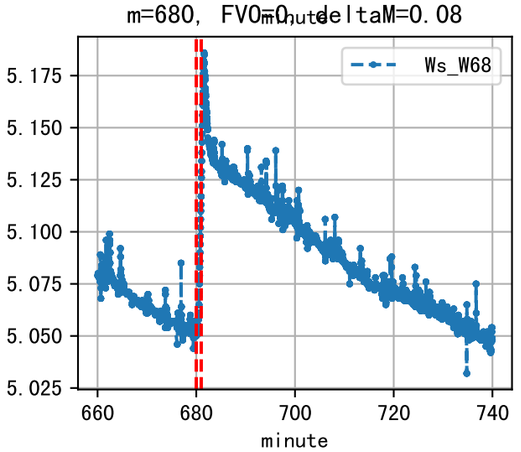

Ws_W68

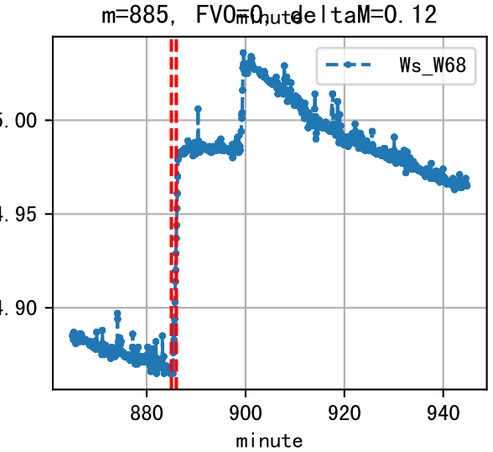

m=500, FV0=0, deltaM=0.15
Ws_W68

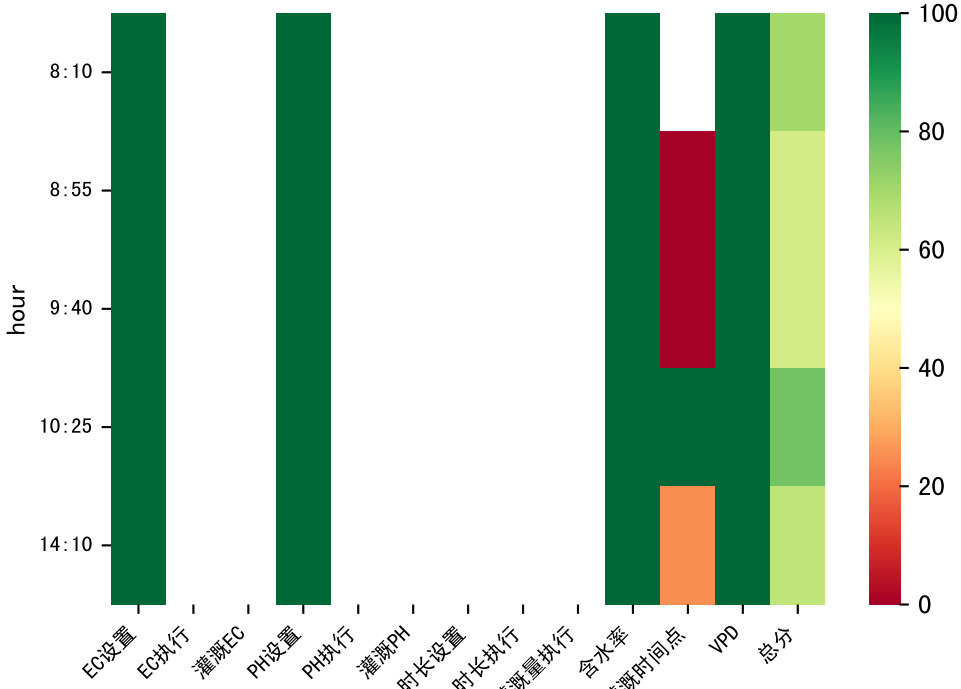

m=545, FV0=0, deltaM=0.11
Ws_W68


m=590, FV0=0, deltaM=0.08
Ws_W68
minute


m=635, FV0=0, deltaM=0.08
Ws_W68
minute


m=680, FV0=0, deltaM=0.08
Ws_W68
minute

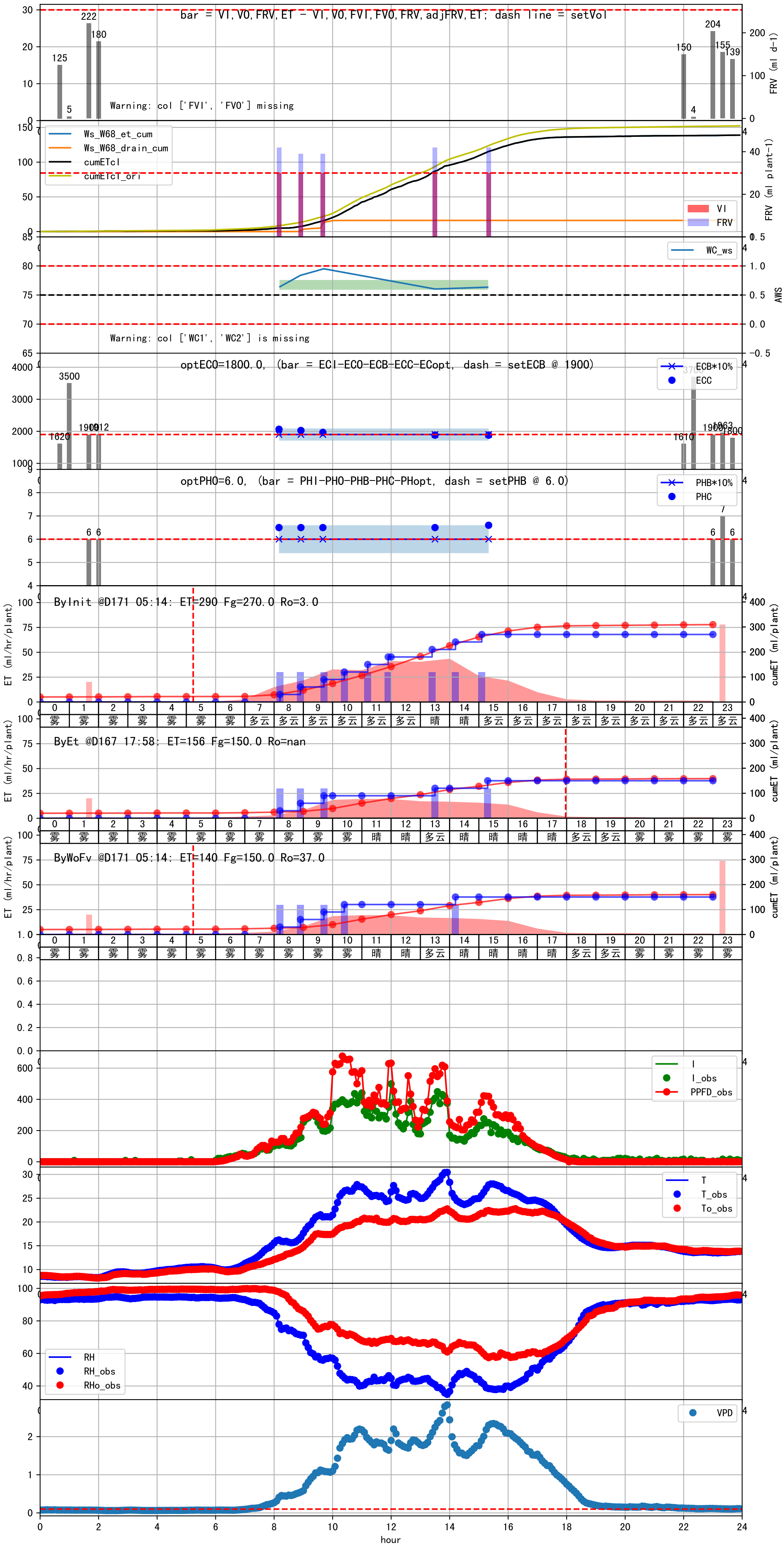

m=885, FV0=0, deltaM=0.12
Ws_W68
minute

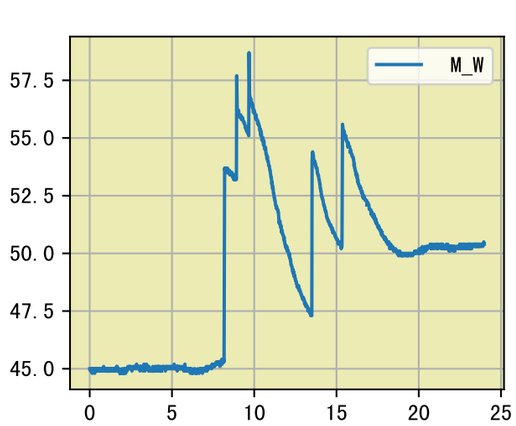

hour
8:10
8:55
9:40
10:25
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

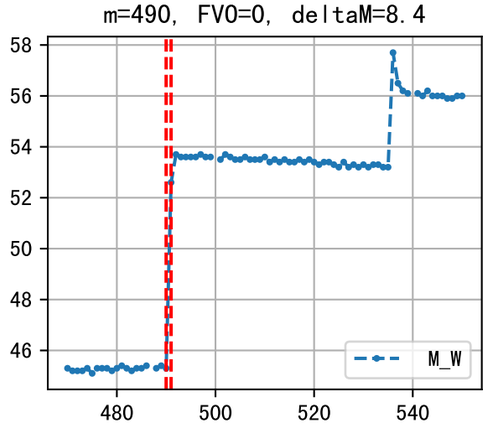
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 14 ml/株
67	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 23 ml/株
67	30.0	0.122	晴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
335.0（5次）	150.0			建议进液EC：1900， PH：6.

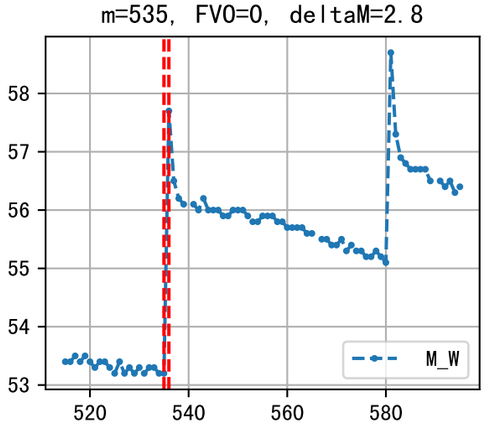
施肥机灌溉量与预期值不符 (42.0 : 31.0)，可能水表需要校准
默认实际灌溉31.0 ml.

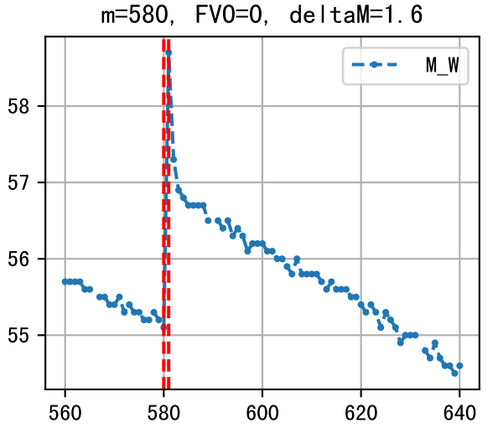
L1A4_4, Day=167.0 (2026-03-22)

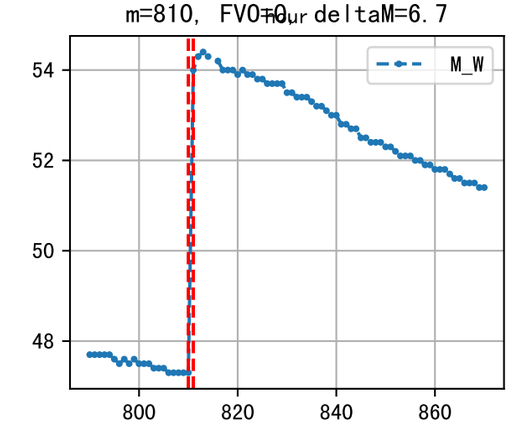


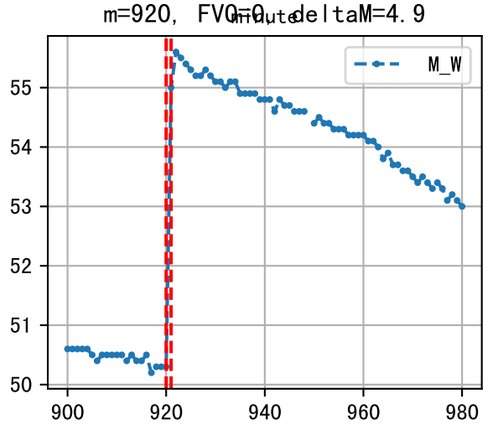

M_W
57.5
55.0
52.5
50.0
47.5
45.0
0
5
10
15
20
25

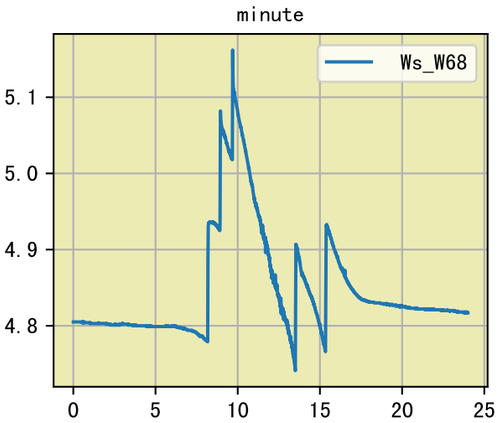

m=490, FV0=0, deltaM=8.4
M_W
58
56
54
52
50
48
46
480
500
520
540

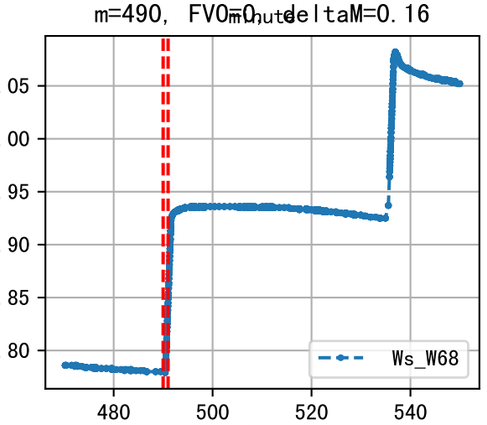

m=535, FV0=0, deltaM=2.8
M_W
58
57
56
55
54
53
520
540
560
580
minute

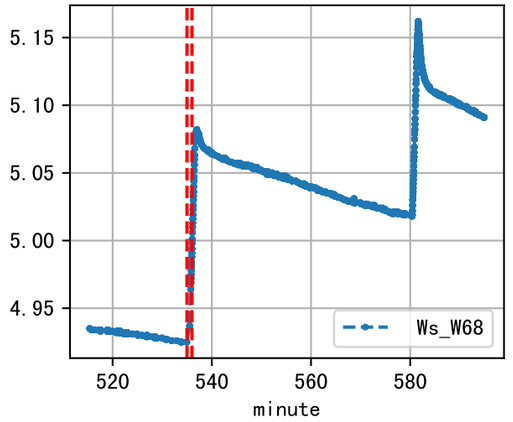

m=580, FV0=0, deltaM=1.6
M_W
58
57
56
55
560
580
600
620
640

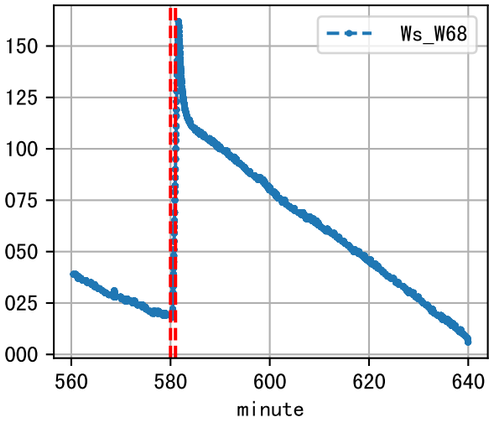

m=810, FV0=0, deltaM=6.7
M_W
54
52
50
48
800
820
840
860
minute

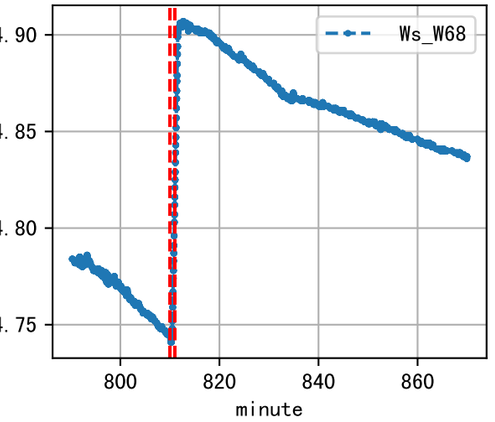

m=920, FV0=0, deltaM=4.9
M_W
55
54
53
52
51
50
900
920
940
960
980
minute

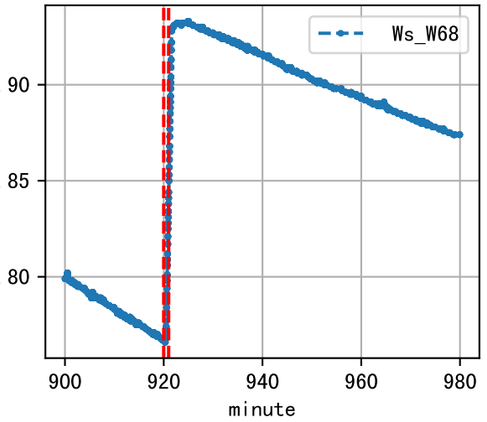

m=490, FV0=0, deltaM=0.16
Ws_W68
5.1
5.0
4.9
4.8
0
5
10
15
20
25
hour


m=535, FV0=0, deltaM=0.12
Ws_W68
5.05
5.00
4.95
4.90
4.85
4.80
480
500
520
540
minute


Ws_W68
5.15
5.10
5.05
5.00
4.95
520
540
560
580
minute


m=580, FV0=0, deltaM=0.09
Ws_W68
5.150
5.125
5.100
5.075
5.050
5.025
5.000
560
580
600
620
640
minute


m=810, FV0=0, deltaM=0.16
Ws_W68
4.90
4.85
4.80
4.75
800
820
840
860
minute


m=920, FV0=0, deltaM=0.16
Ws_W68
4.90
4.85
4.80
900
920
940
960
980
minute