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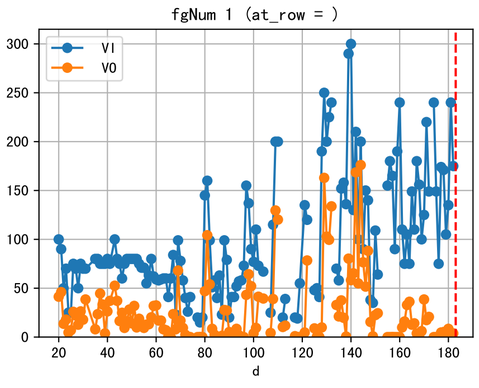
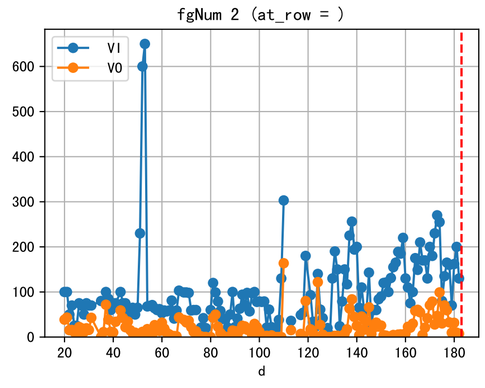
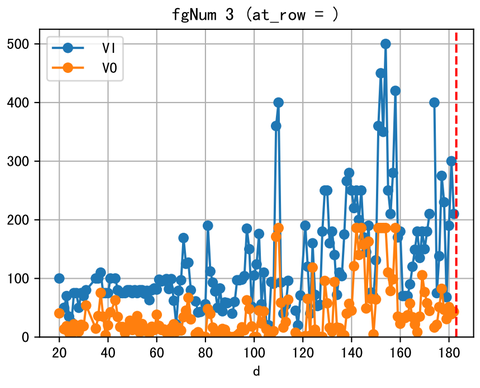
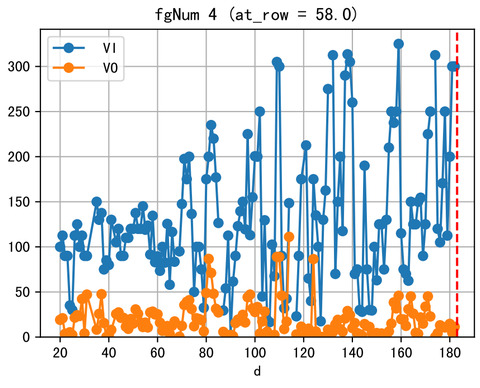
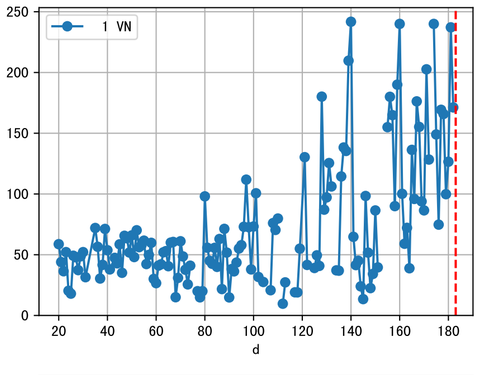
NJ15 L1
2026-04-07 (Day 183)

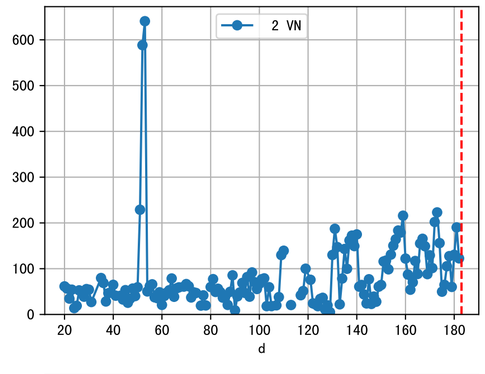


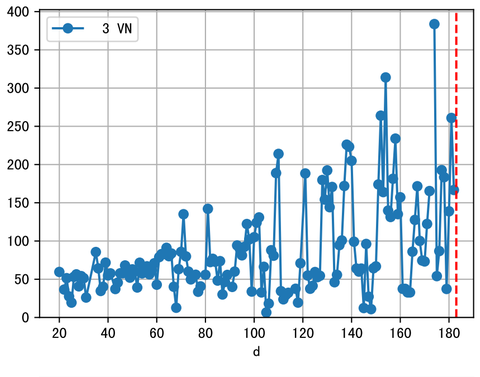


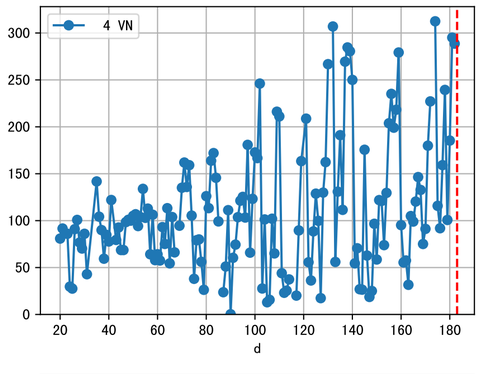


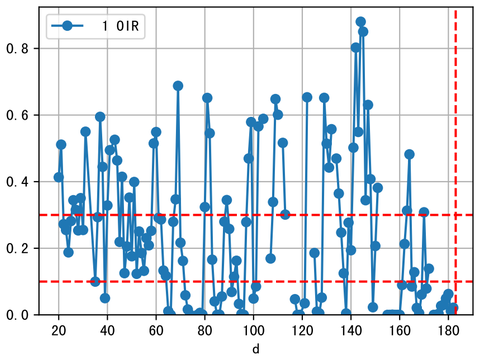


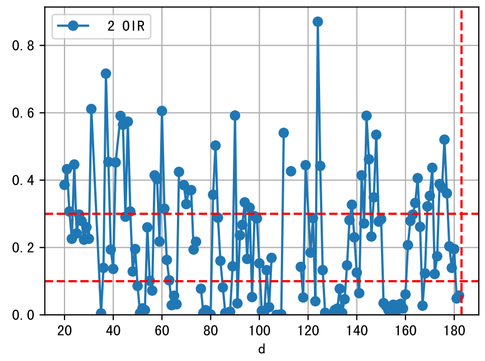


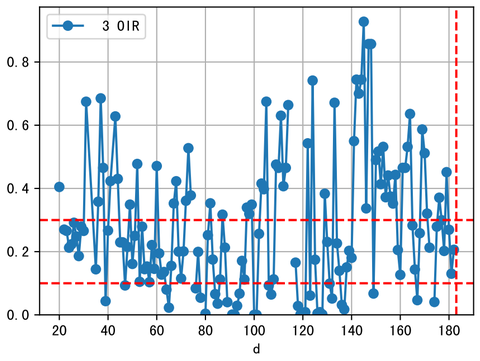


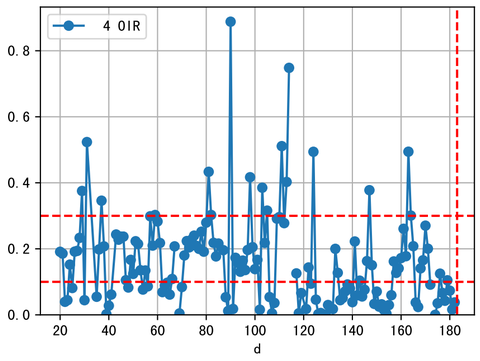


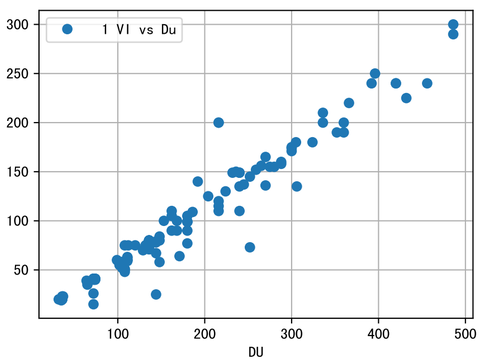


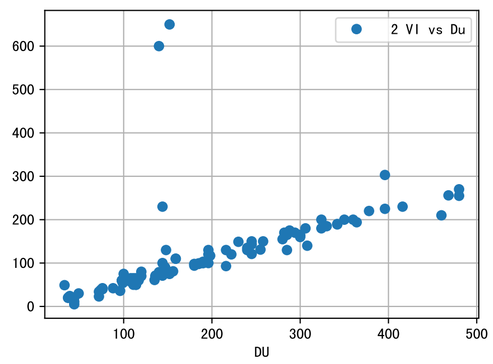


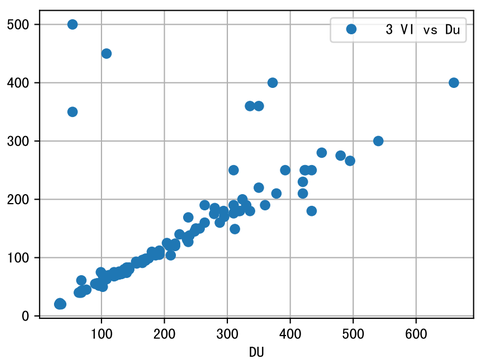


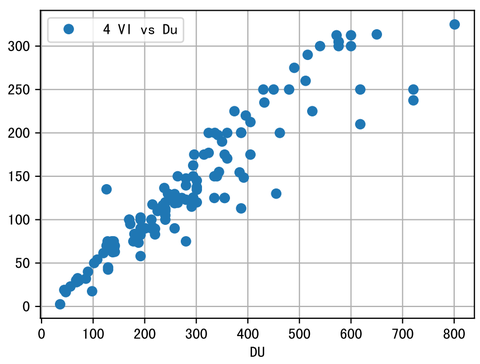


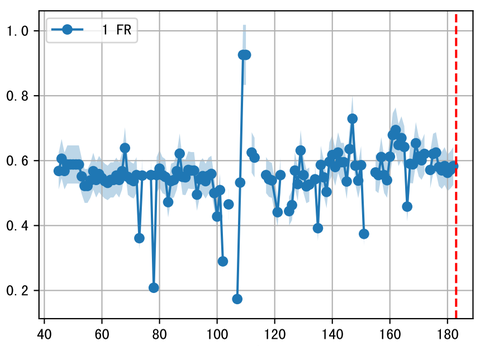


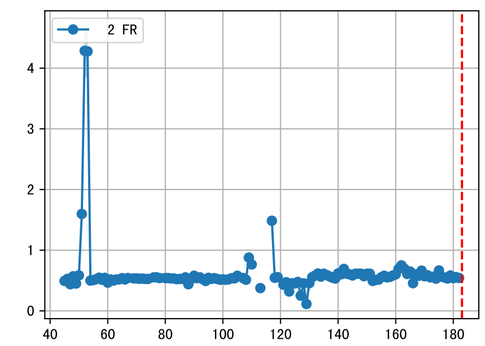


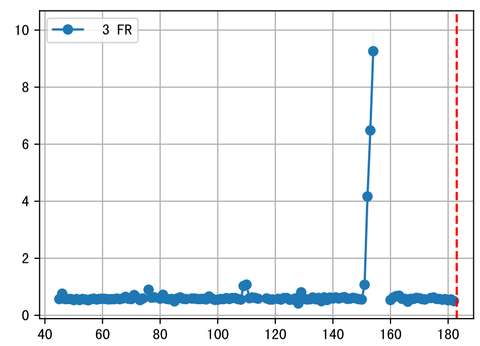


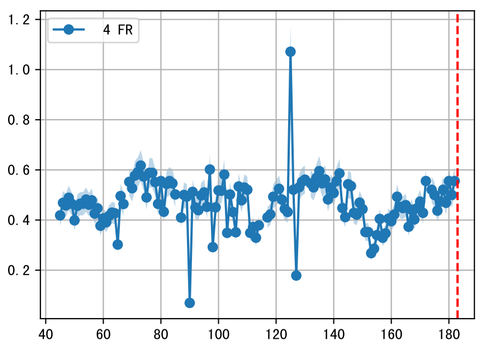


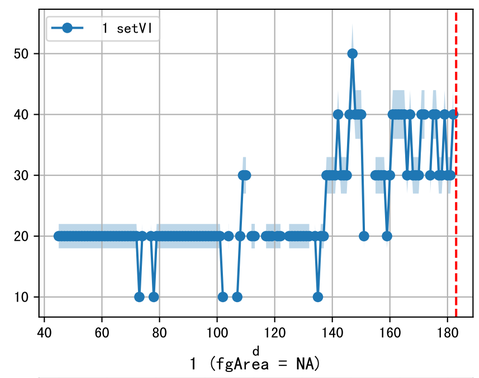


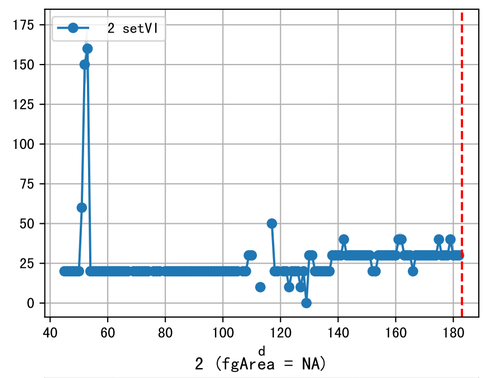


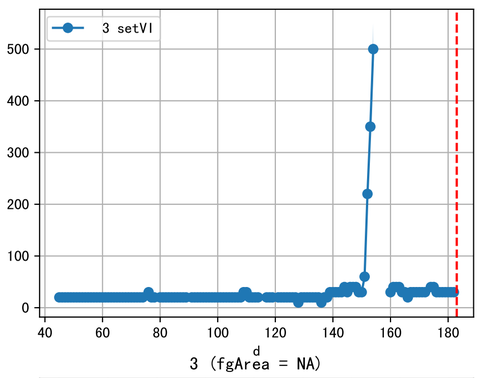


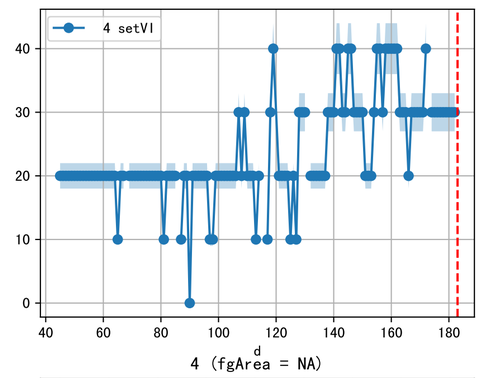


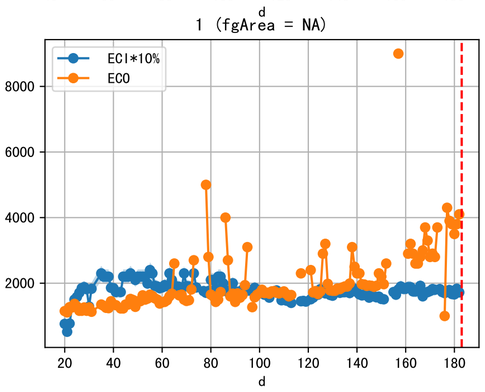












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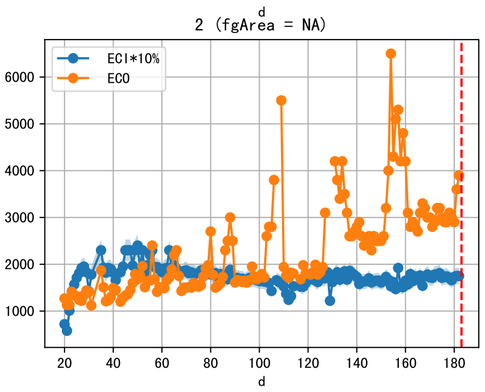
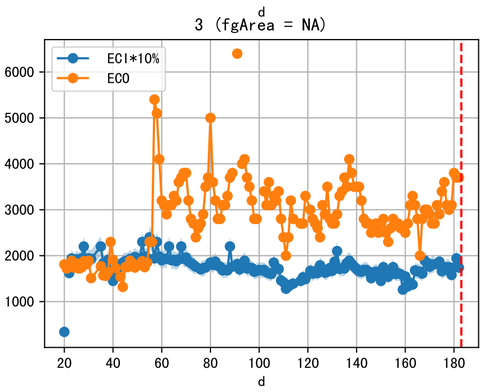
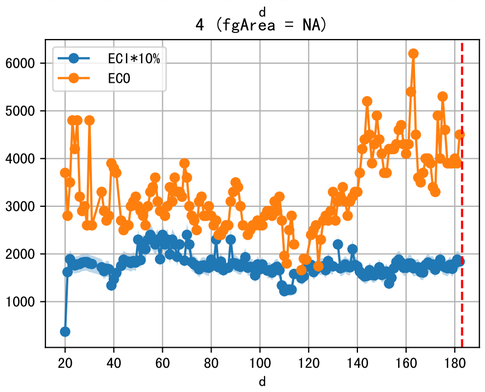


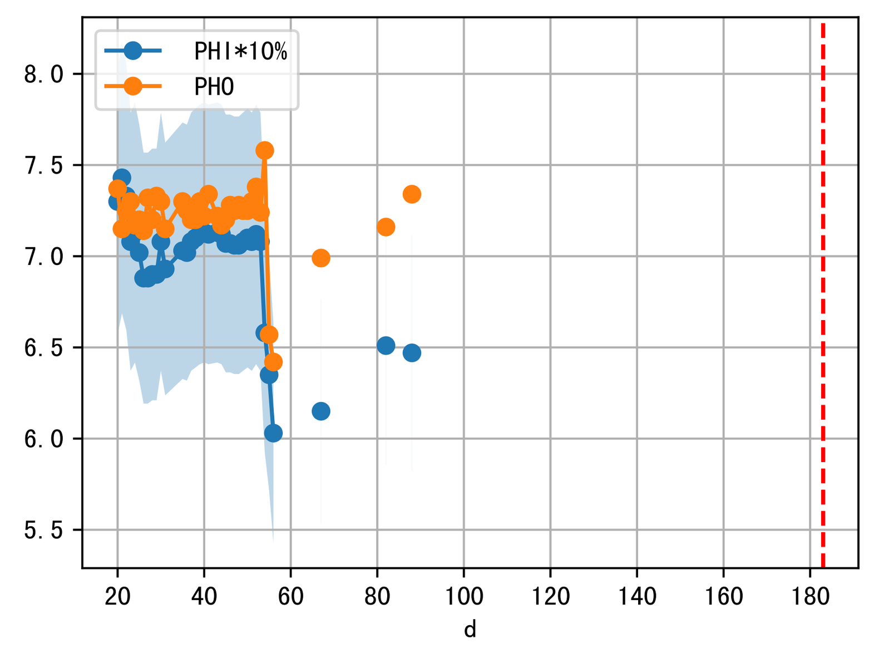
2 (fgArea = NA)

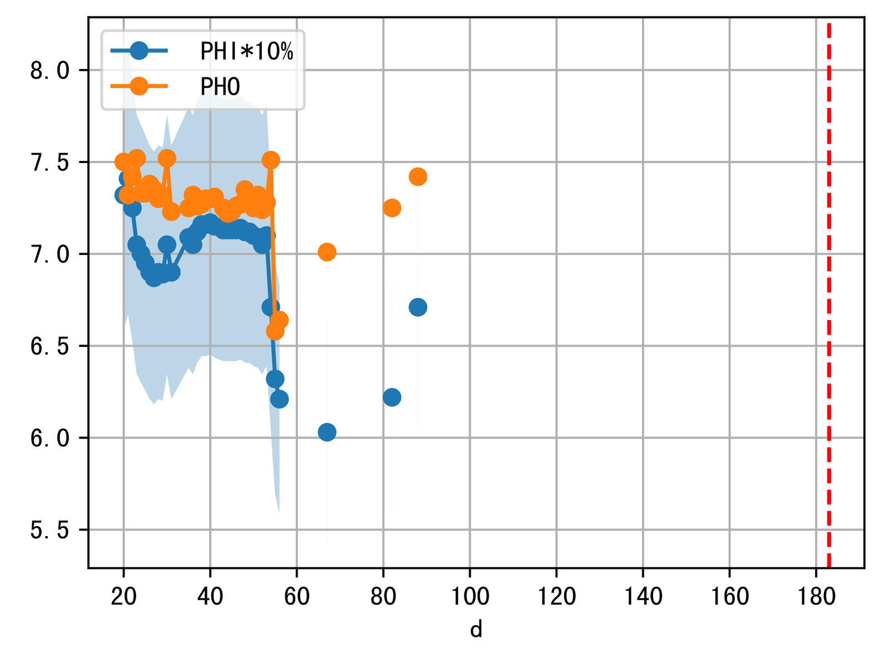


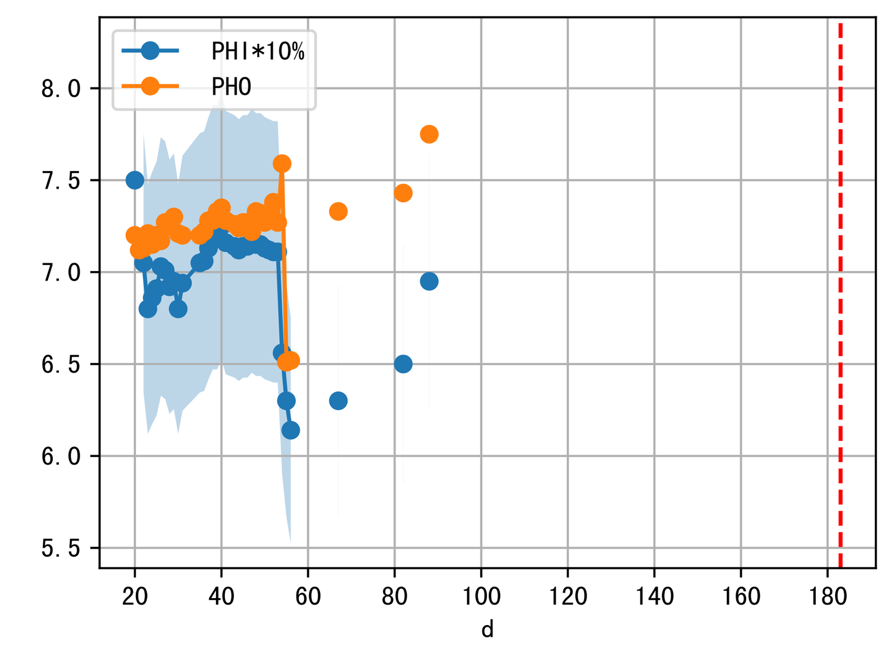
3 (fgArea = NA)



4 (fgArea = NA)


PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20 40 60 80 100 120 140 160 180
d


PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20 40 60 80 100 120 140 160 180
d


PHI*10%
PHO
8.0
7.5
7.0
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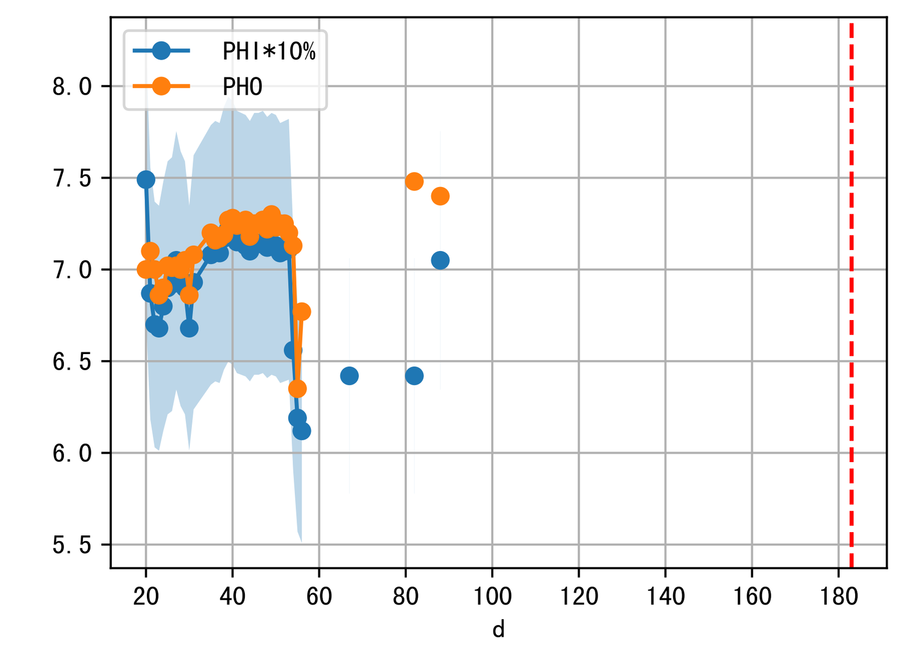
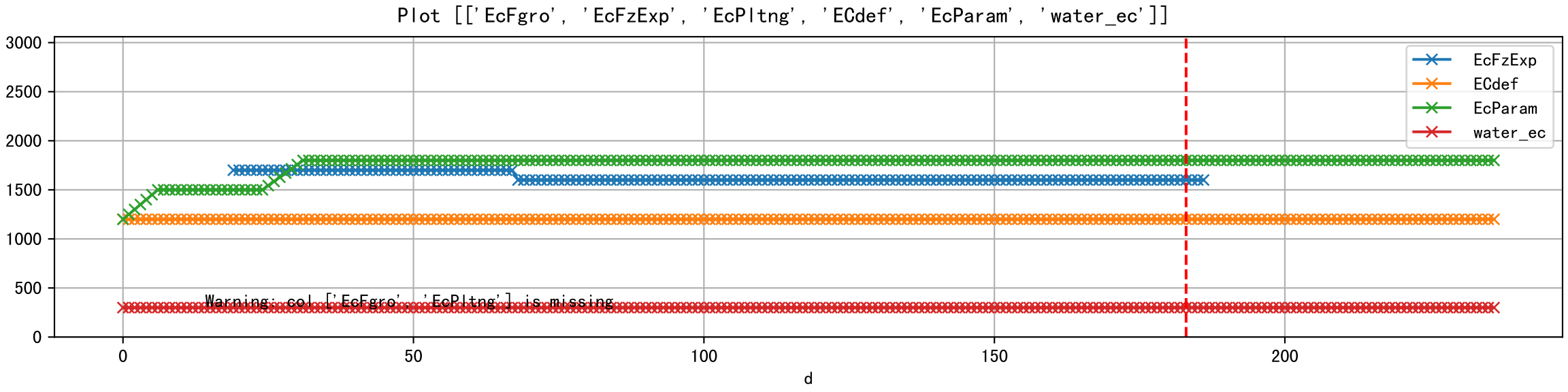
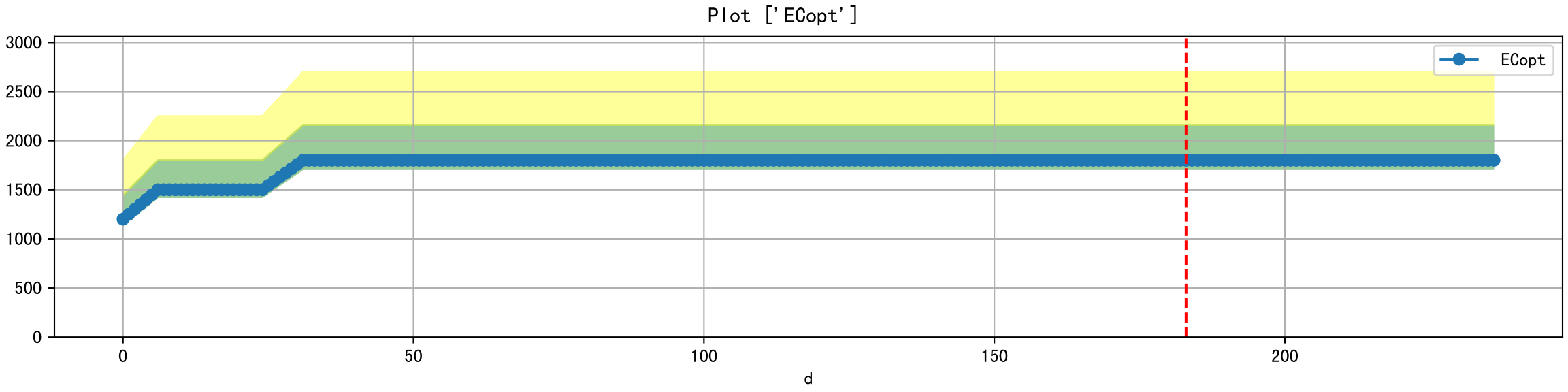
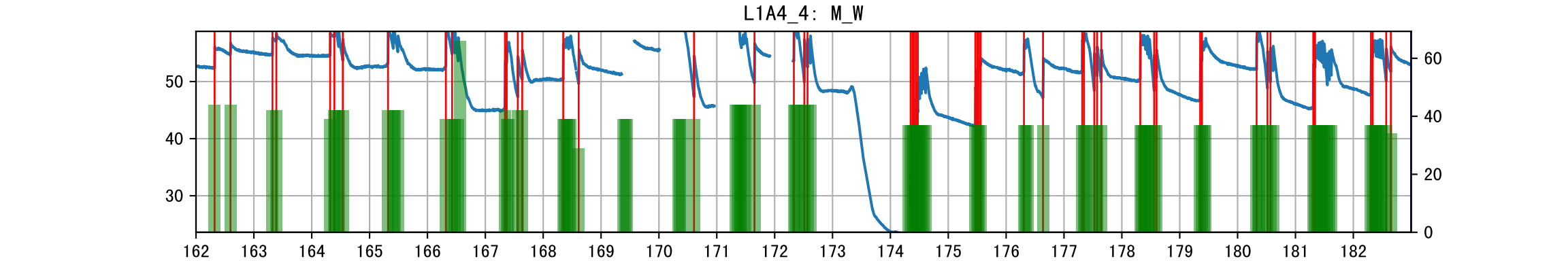
6.0
5.5
20 40 60 80 100 120 140 160 180
d

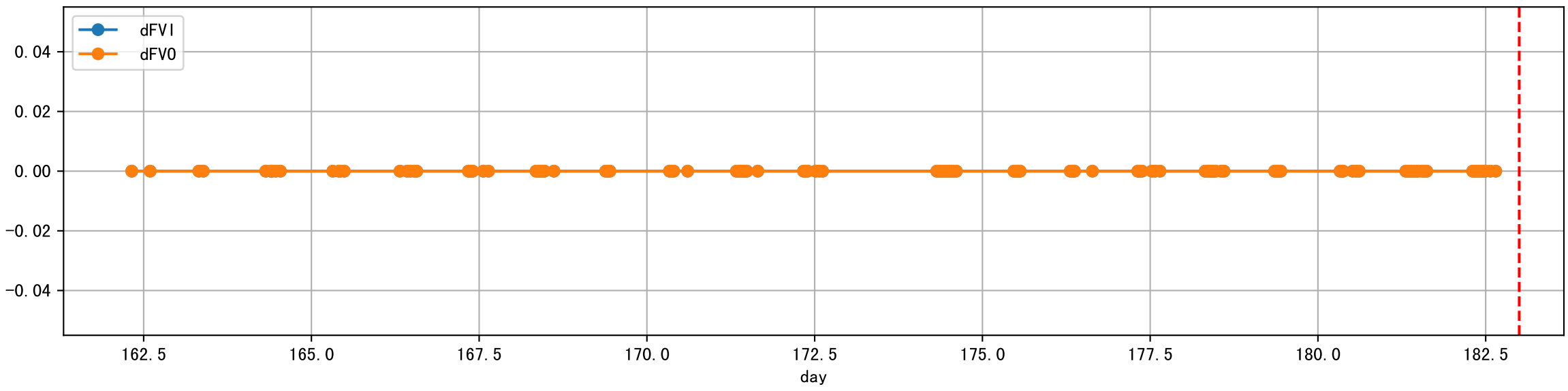

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20 40 60 80 100 120 140 160 180
d

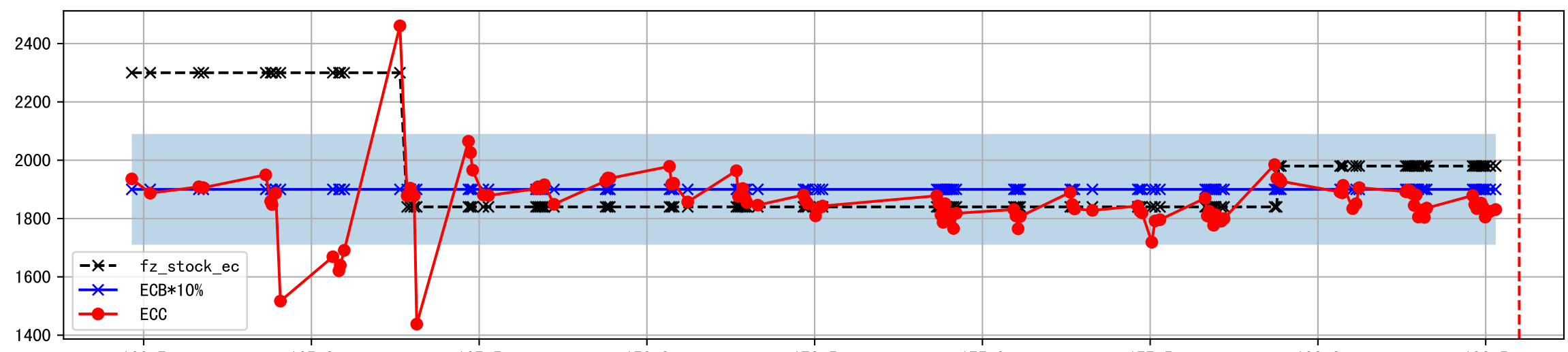

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing

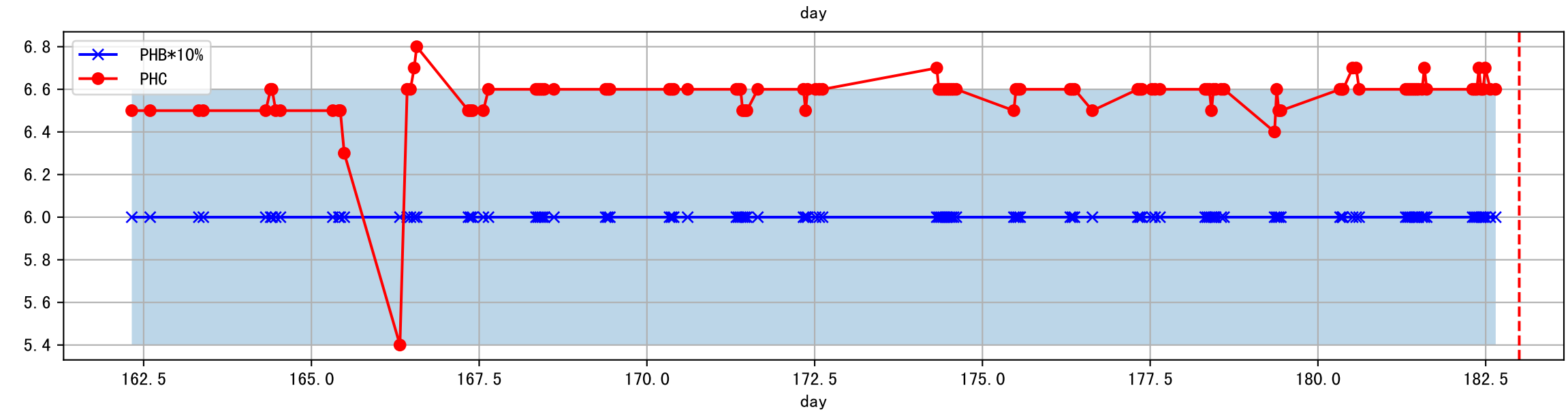

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

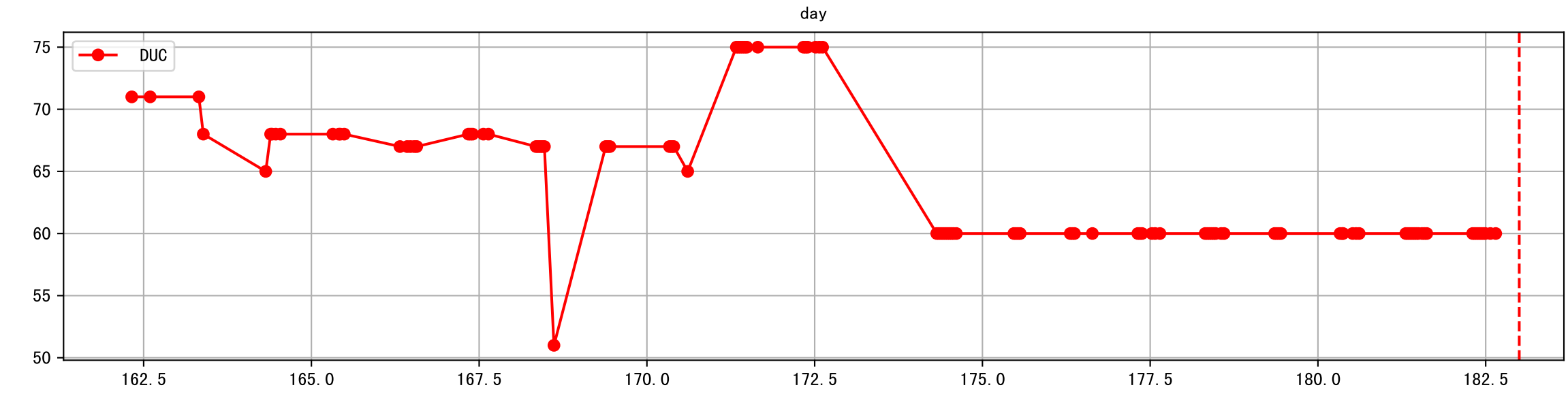

L1A4_4: M_W
50
40
30
60
40
20
0
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182

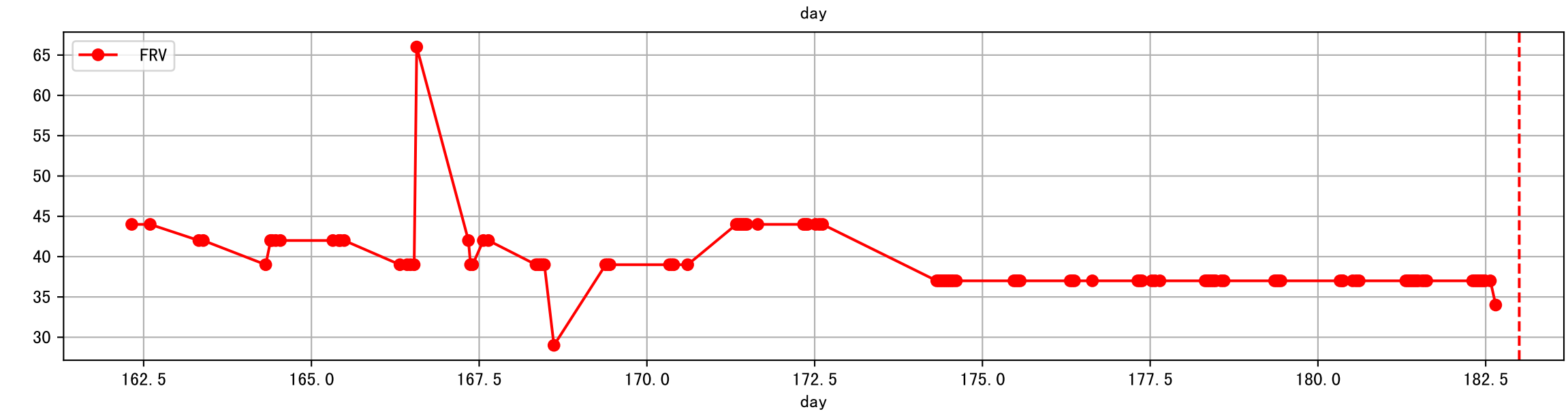
Plot Sensor and FgRec Data

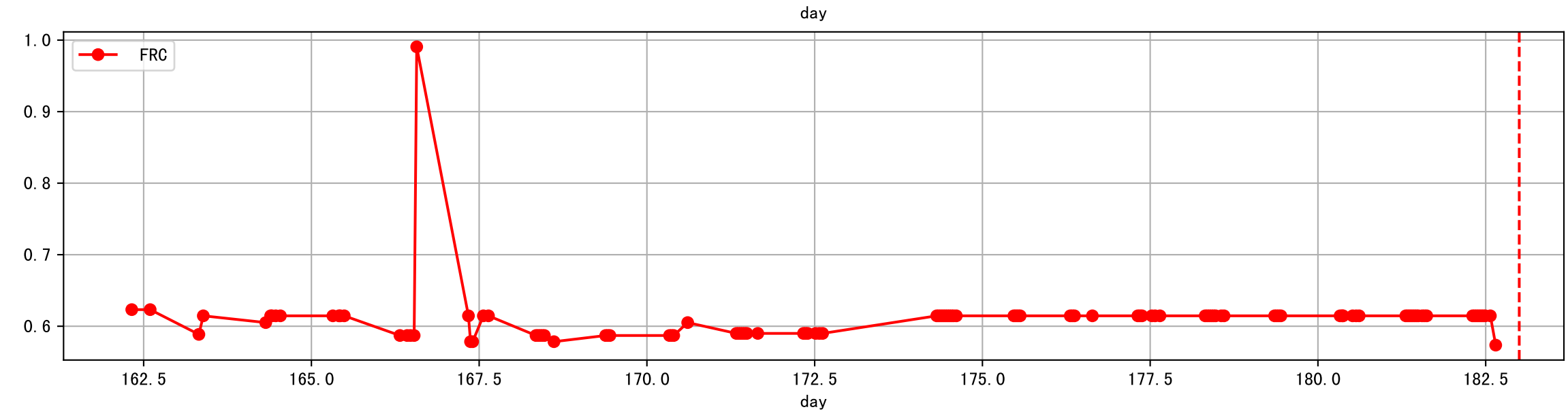


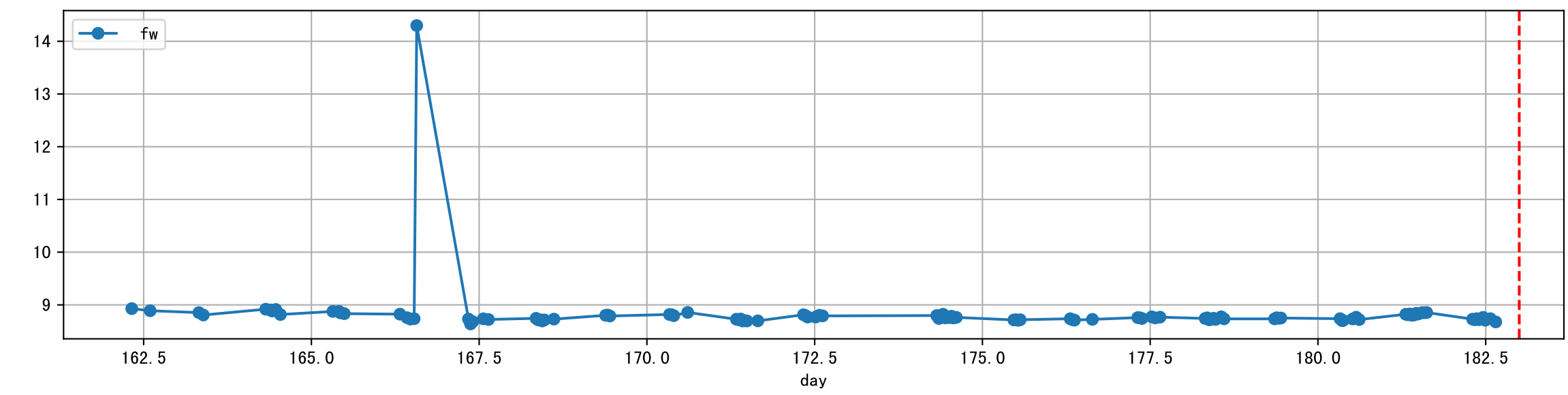


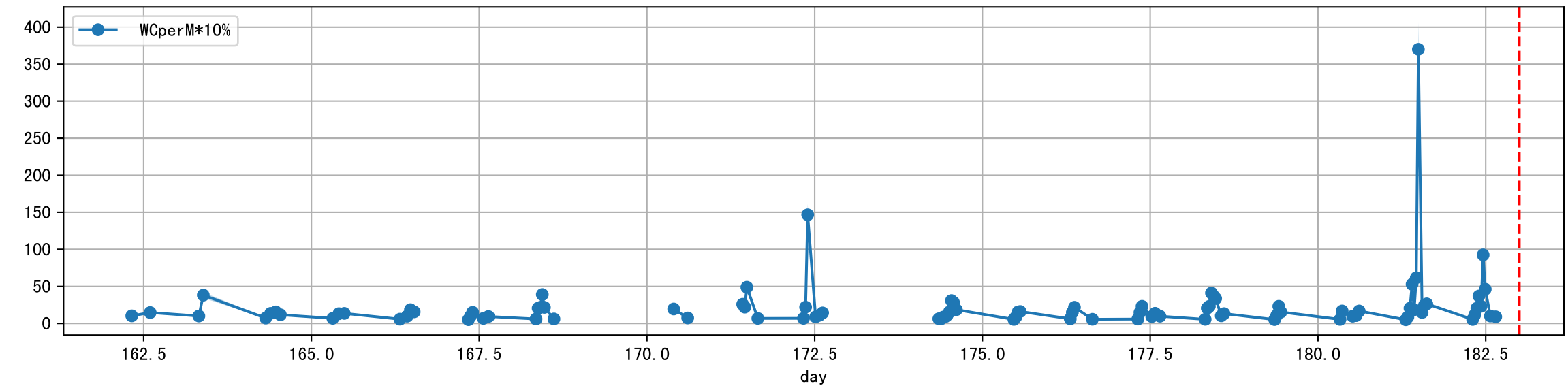


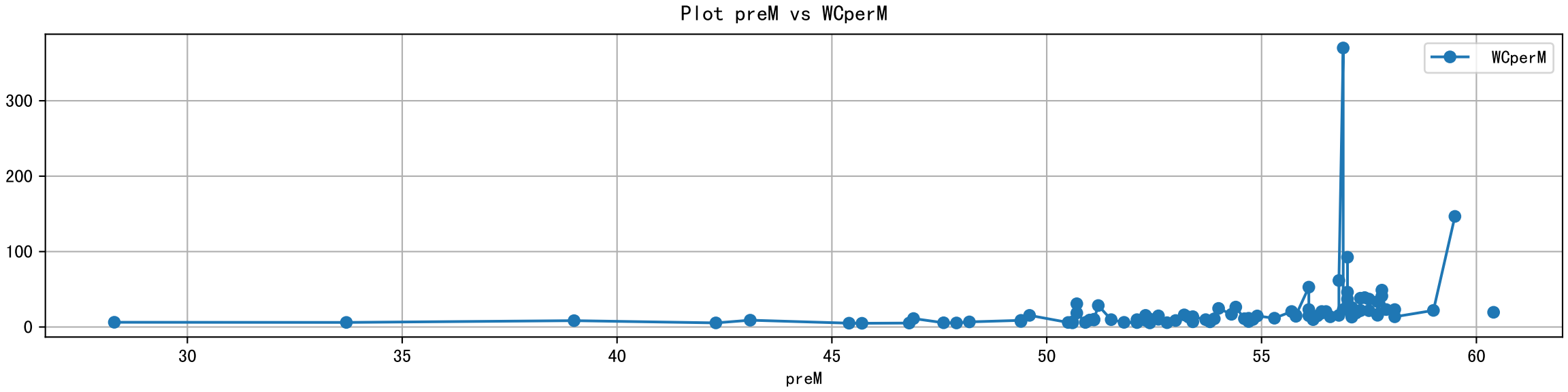


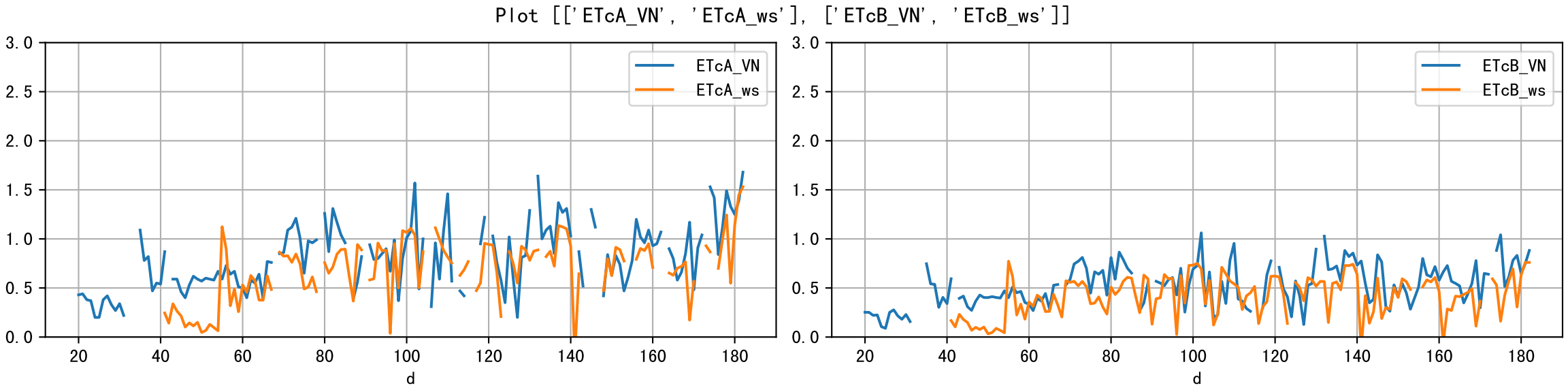


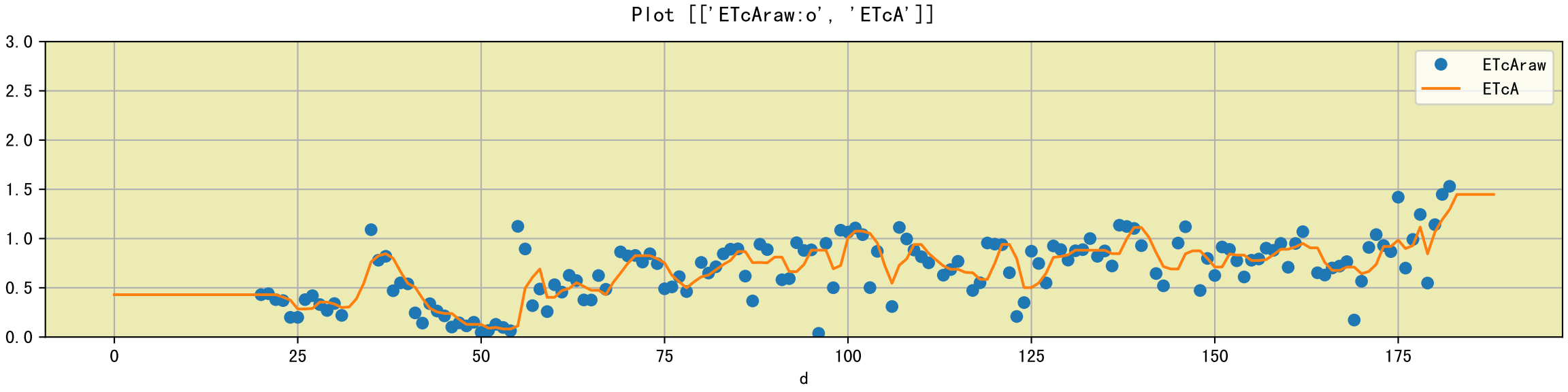


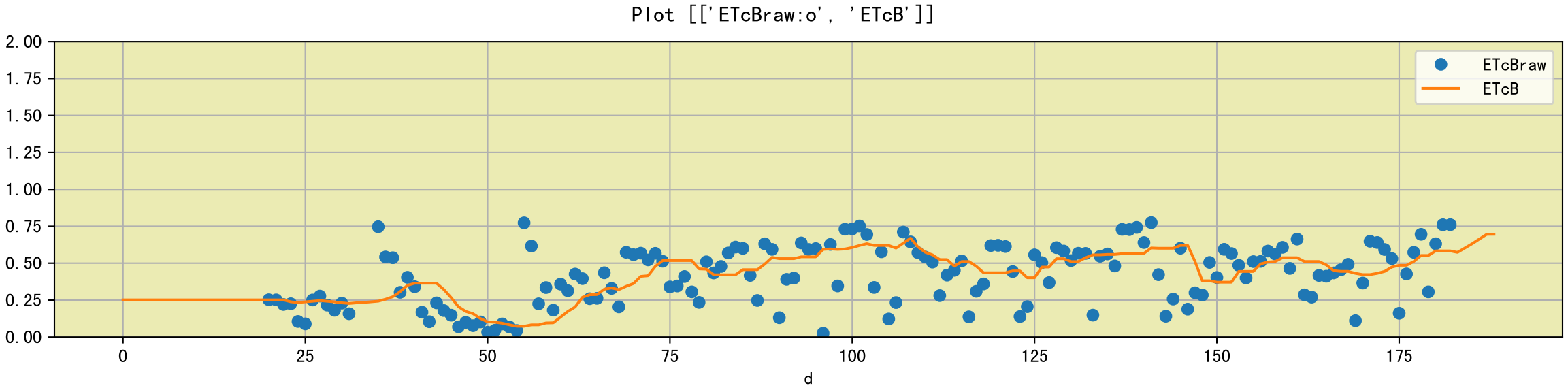




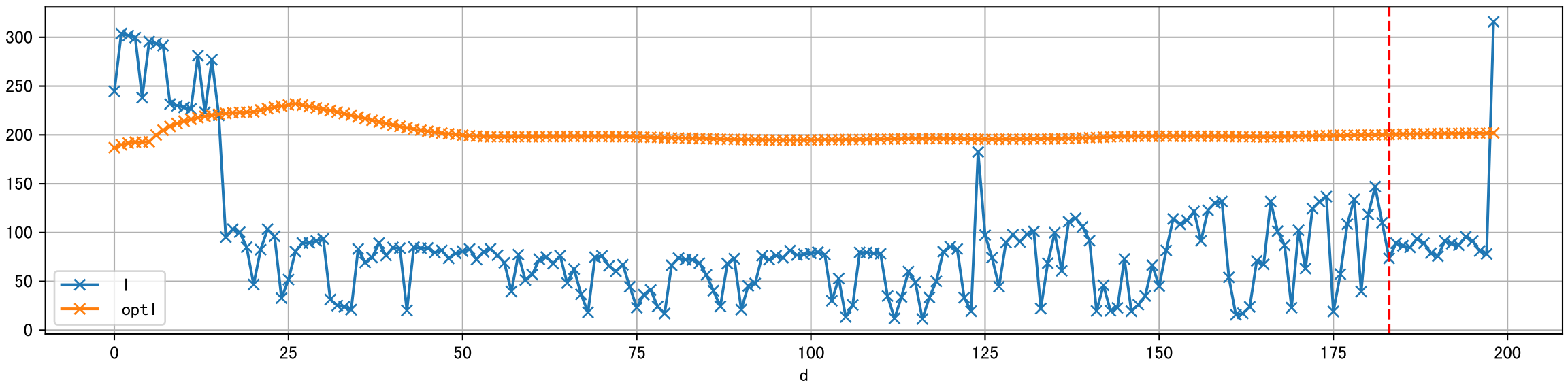

Plot preM vs WCperM
WCperM
300
200
100
0
30
35
40
45
50
55
60
preM

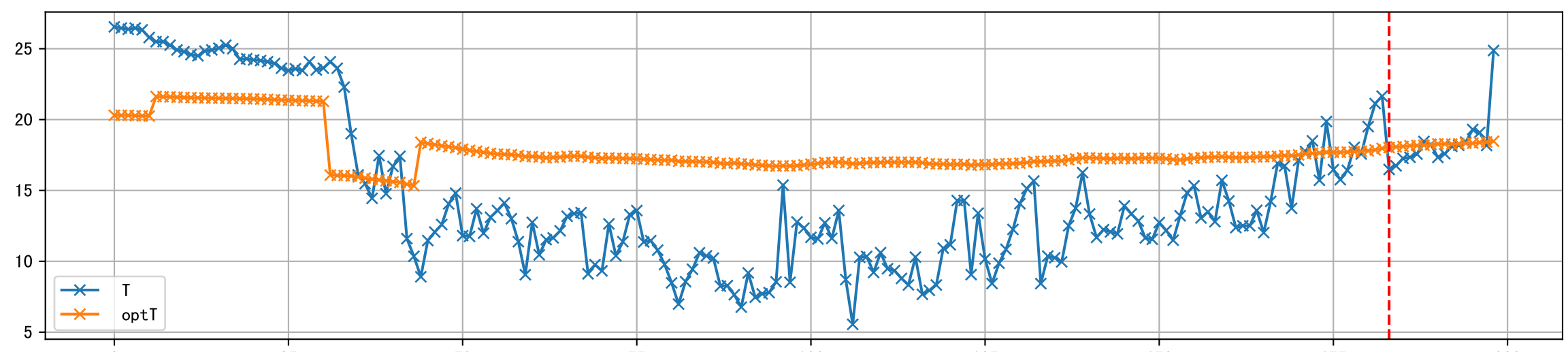

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
d
d

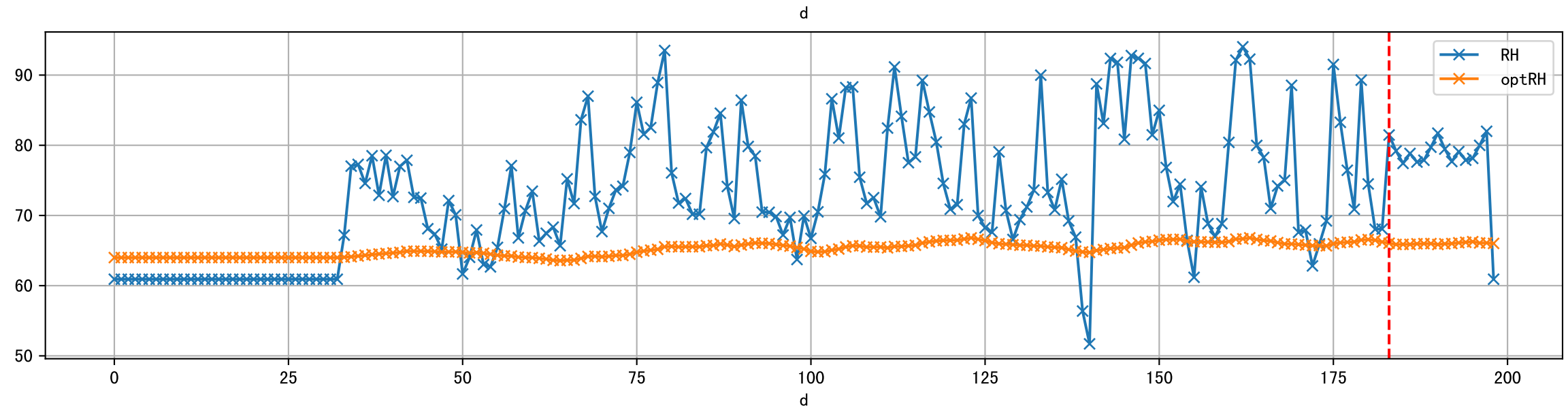

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

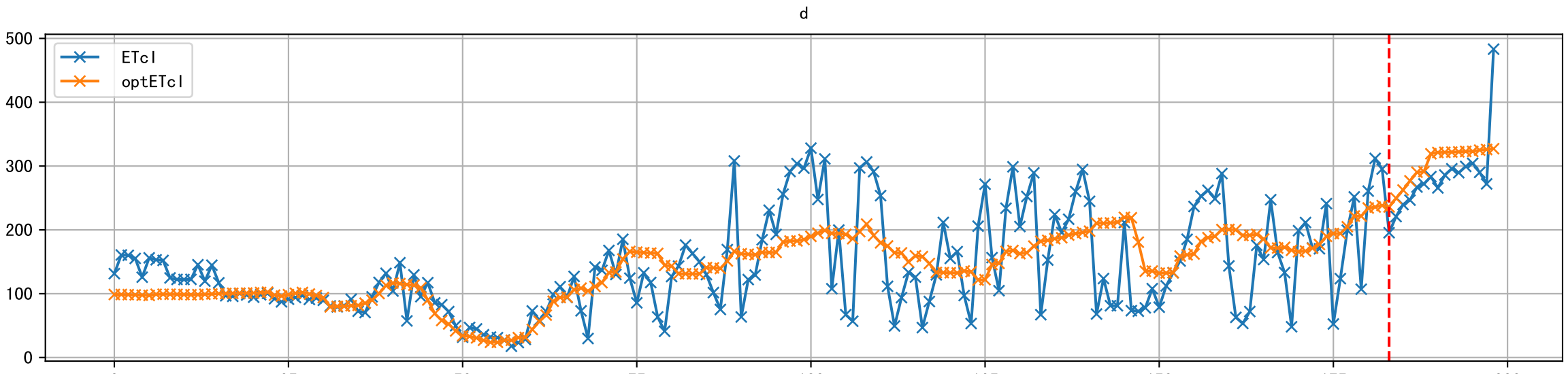

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

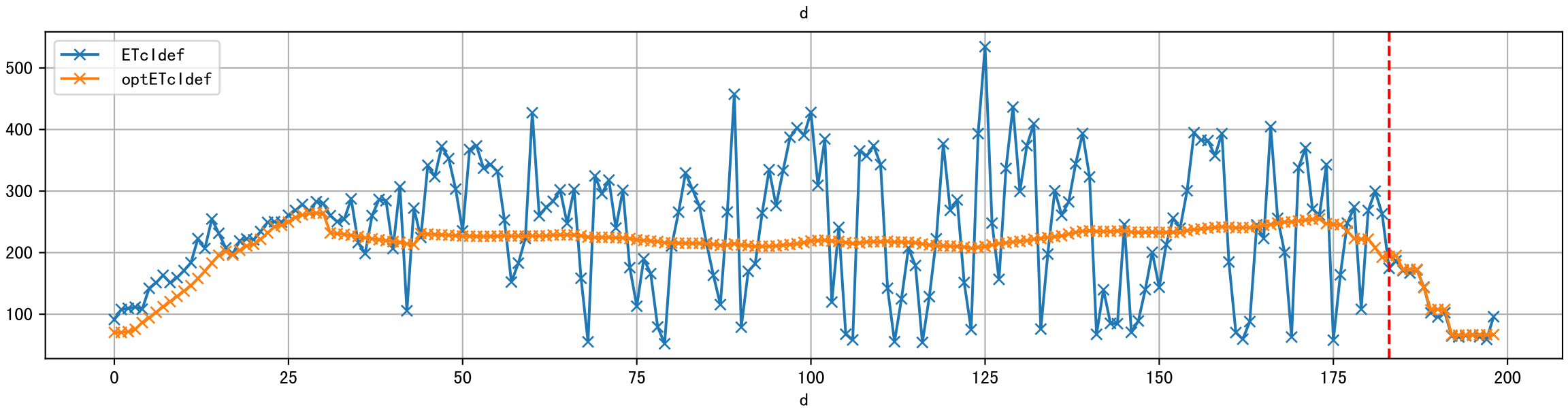
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

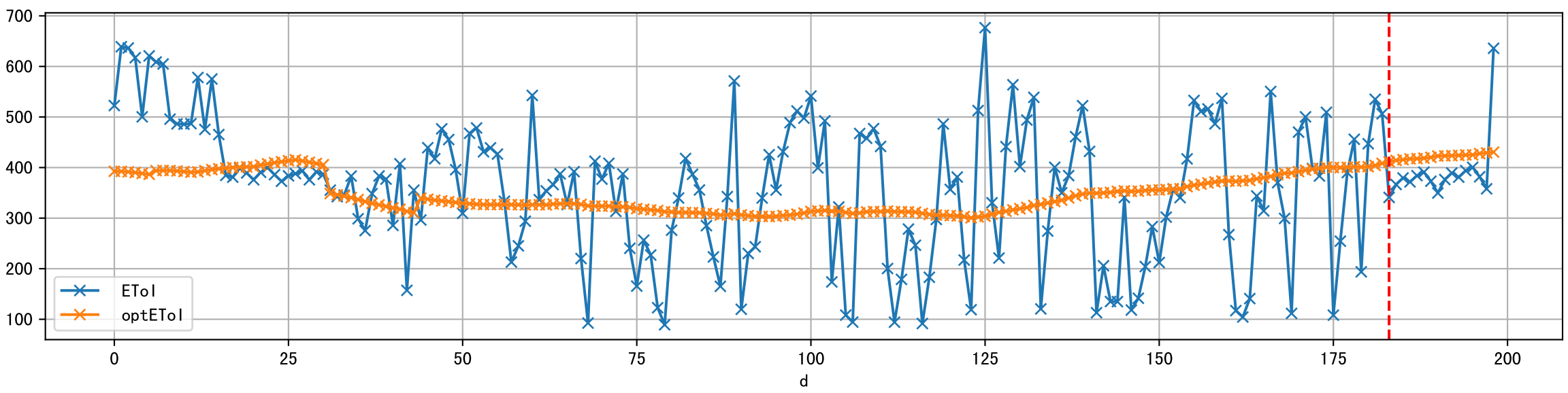


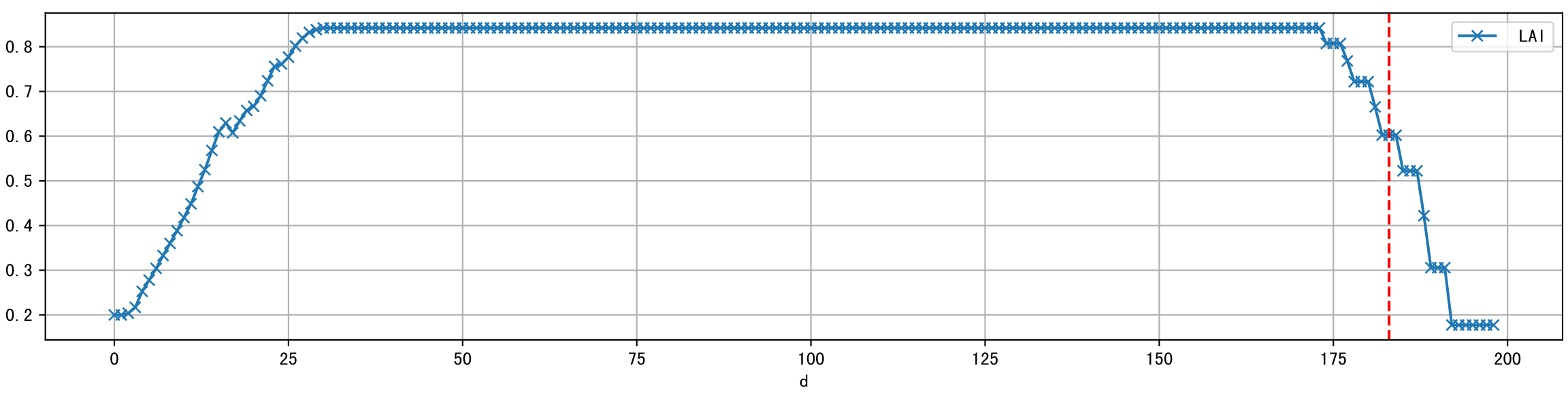


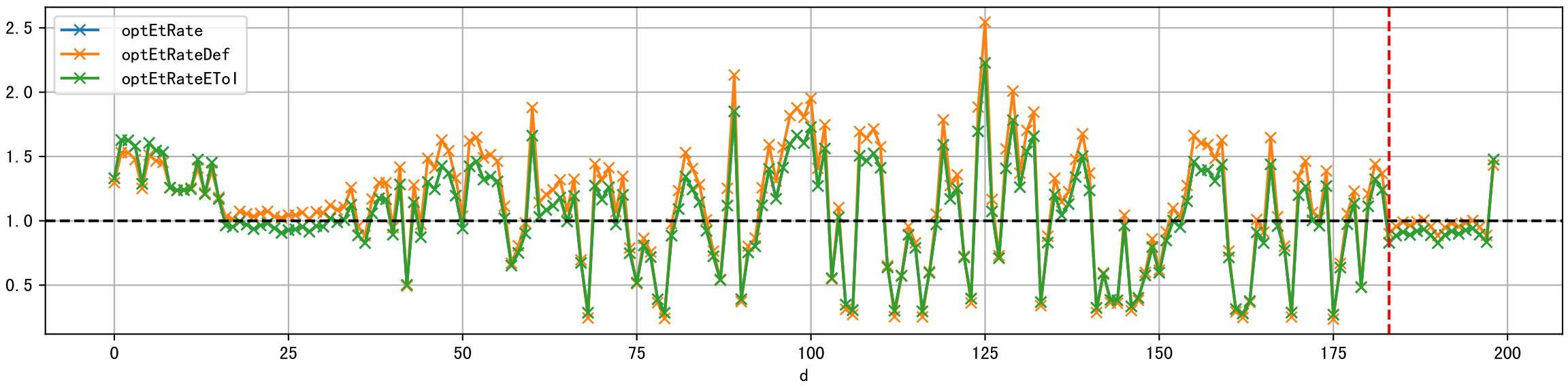


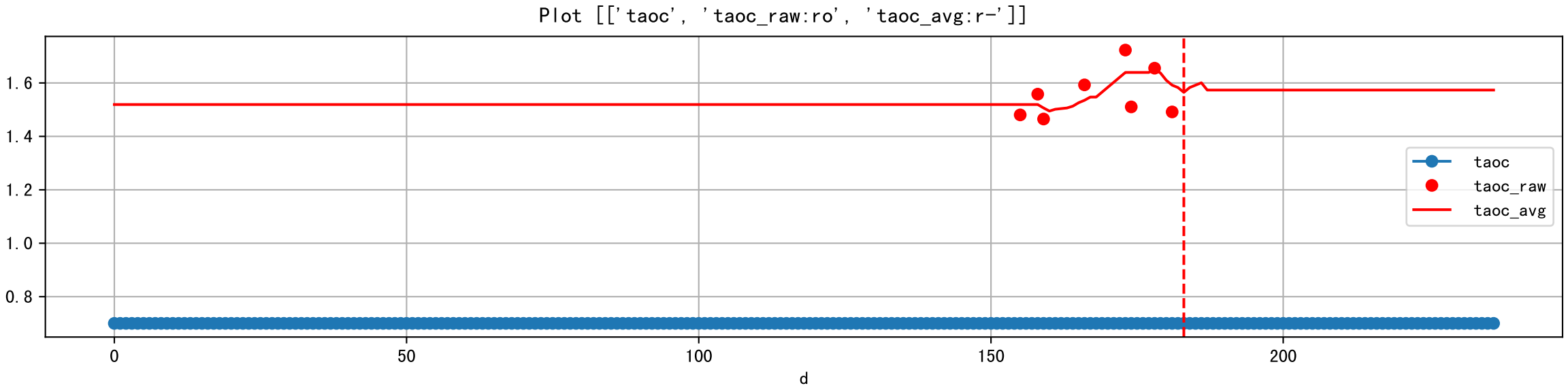


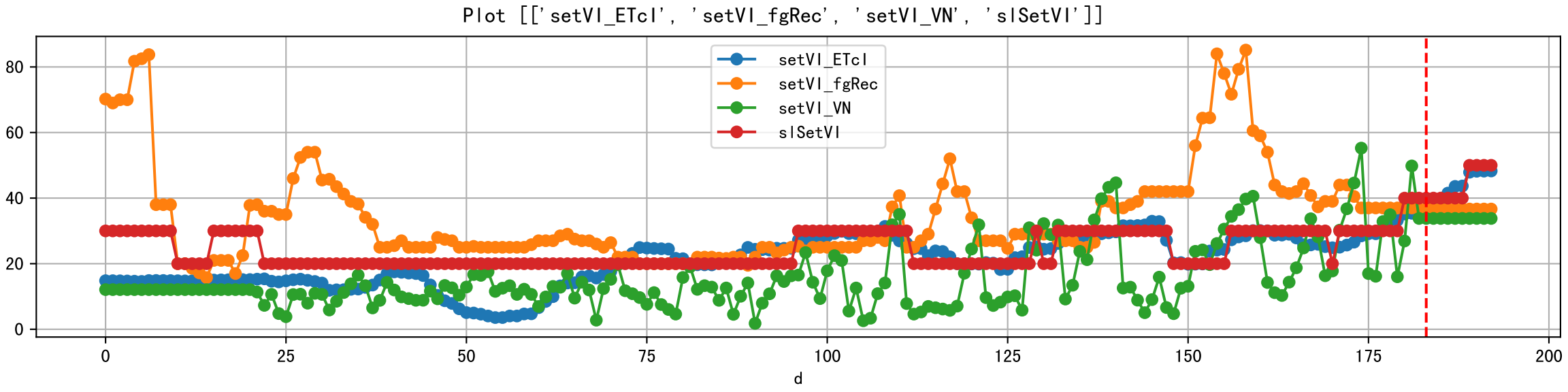


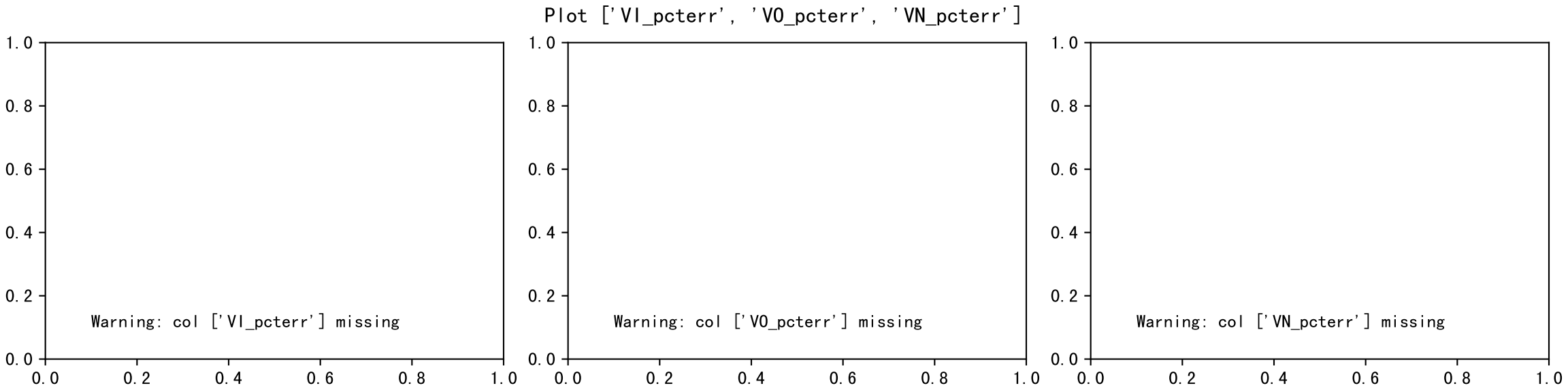


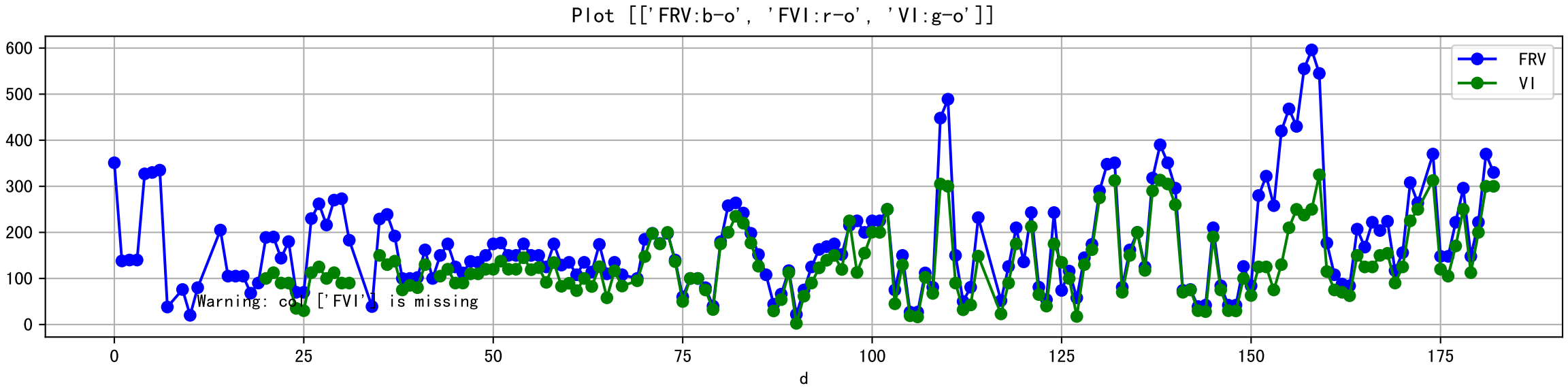


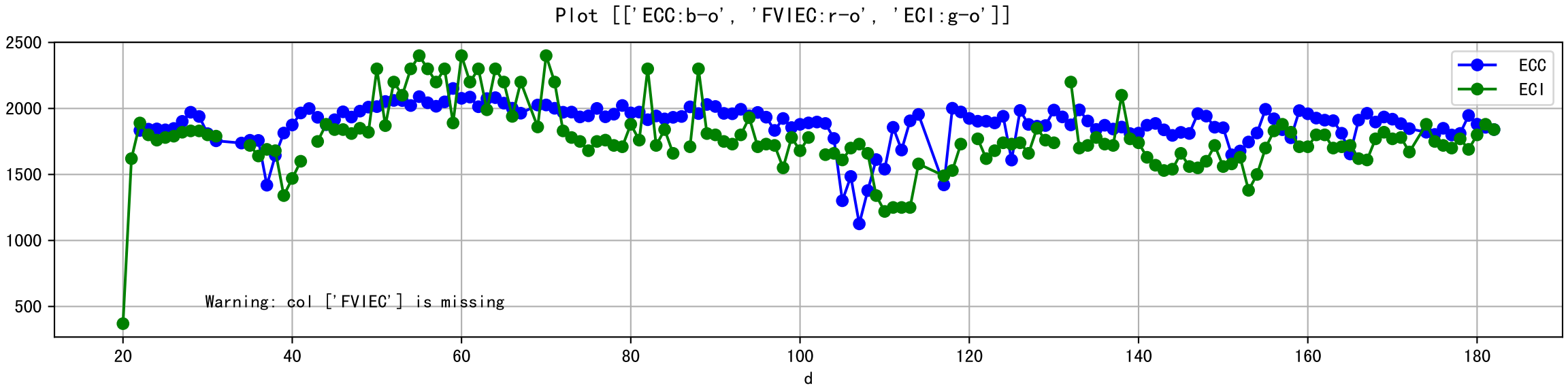


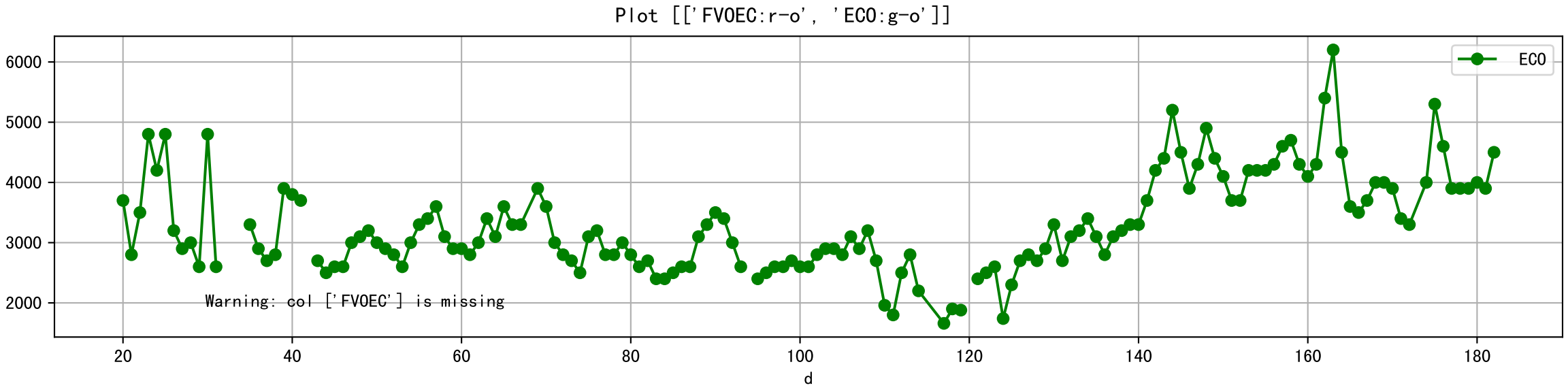

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
1.6
1.4
1.2
1.0
0.8
0
50
100
150
200
d
taoc
taoc_raw
taoc_avg

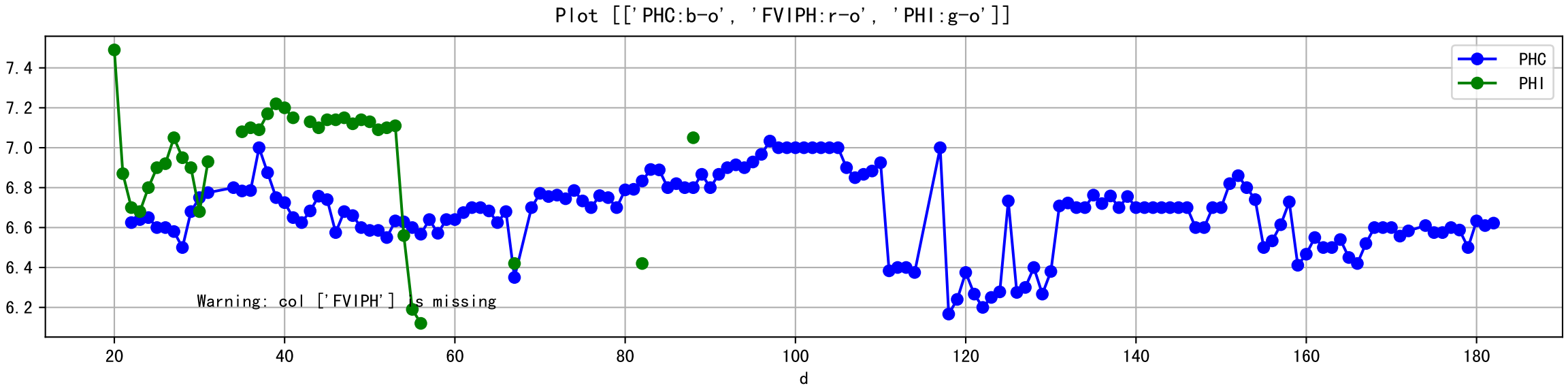

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
0
25
50
75
100
125
150
175
200
d

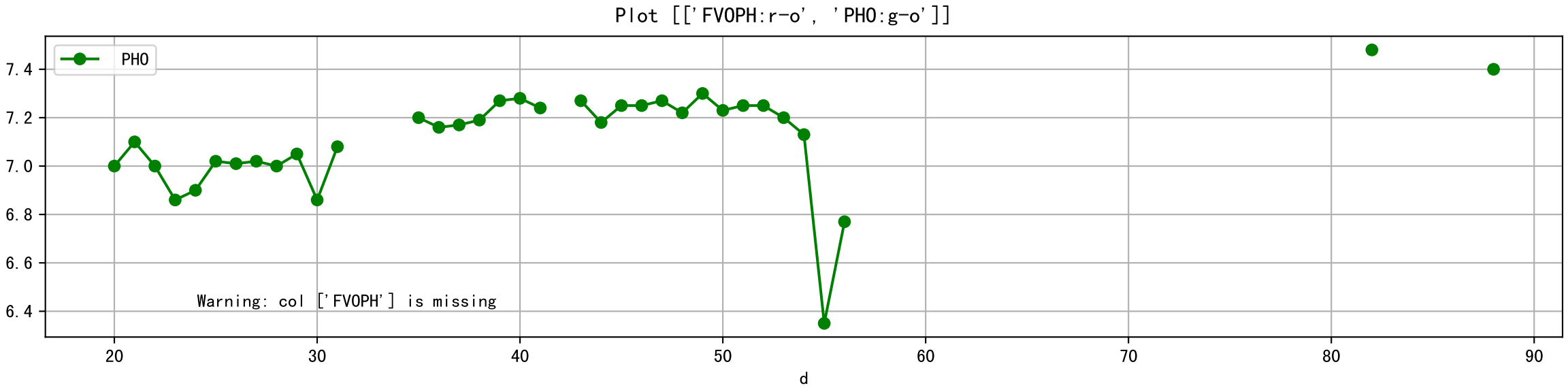

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

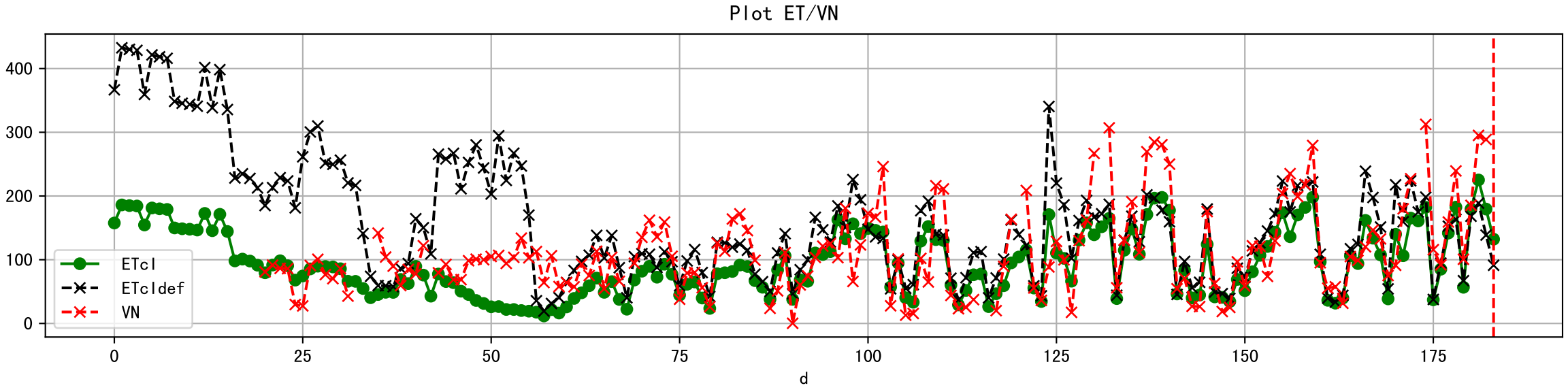

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
600
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160
180
d
ECC
ECI
Warning: col ['FVIEC'] is missing

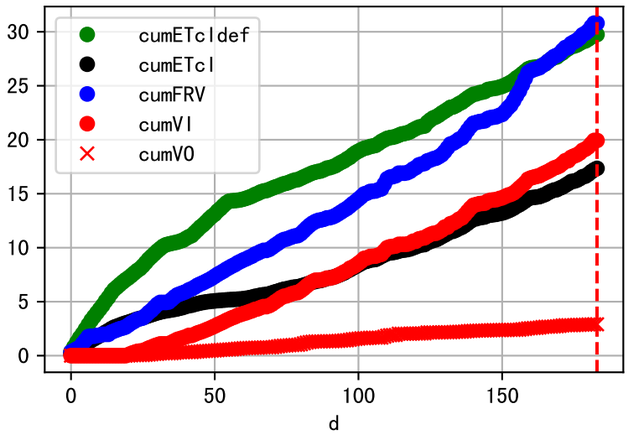

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
160
180
d

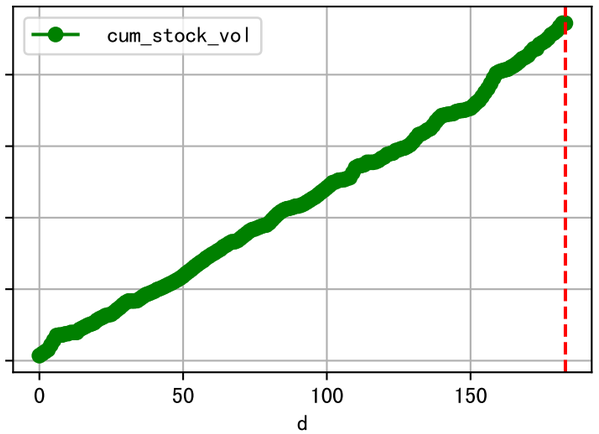

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
160
180
d

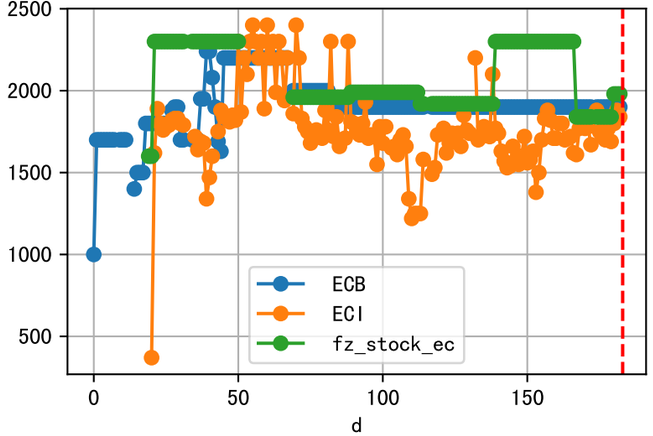

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
7.4
7.2
7.0
6.8
6.6
6.4
Warning: col ['FVOPH'] is missing
20
30
40
50
60
70
80
90
d

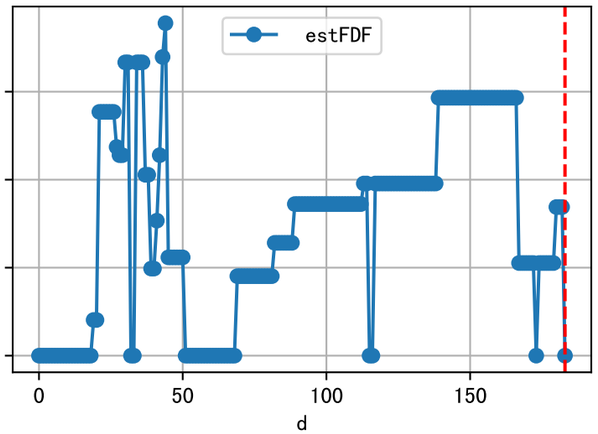

Plot ET/VN
ETcl
ETcldef
VN
0
100
200
300
400
0
25
50
75
100
125
150
175
d

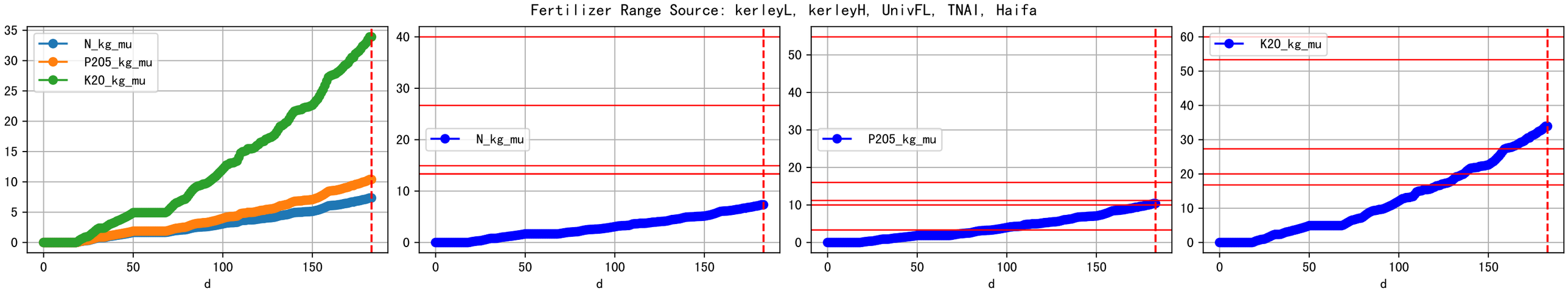
Plot Fv and fertilizer usage

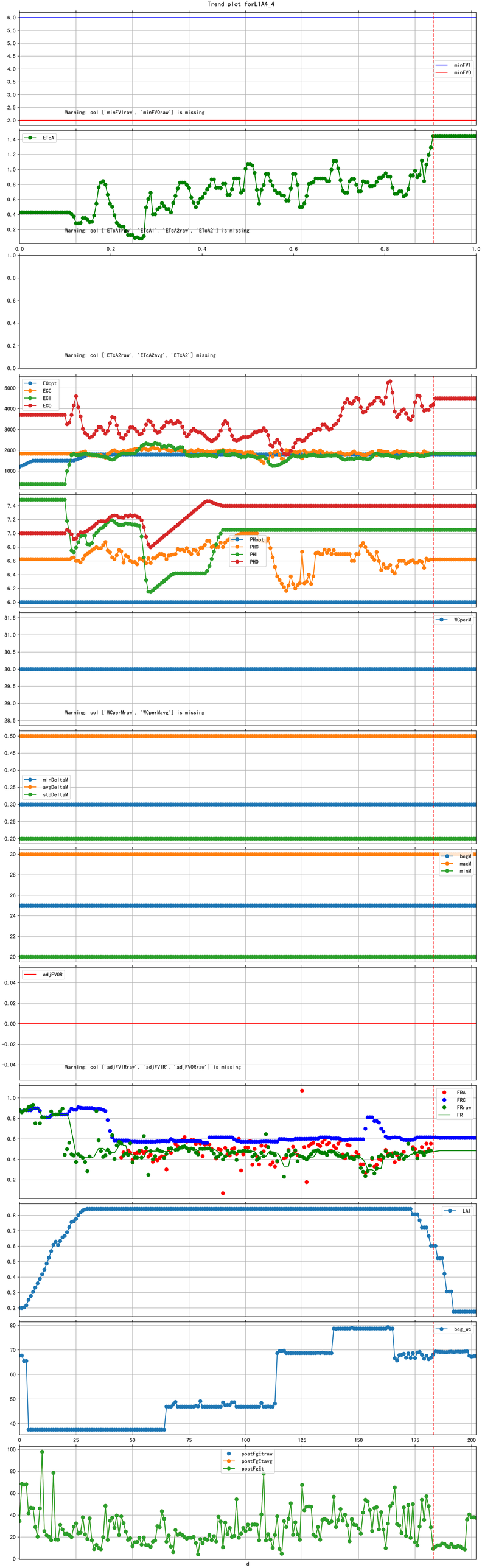


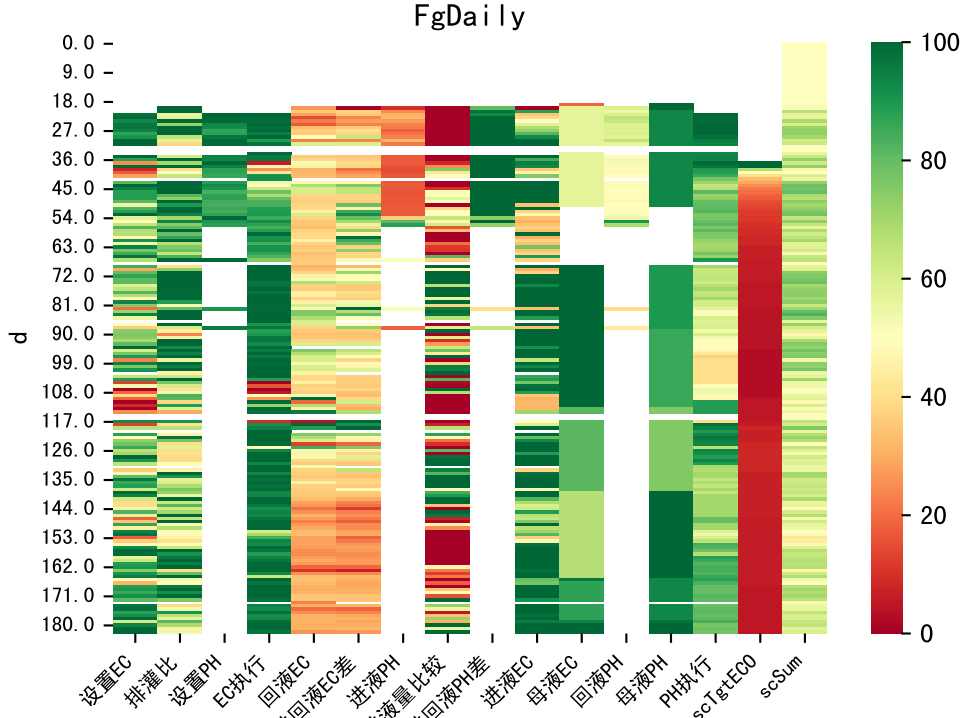




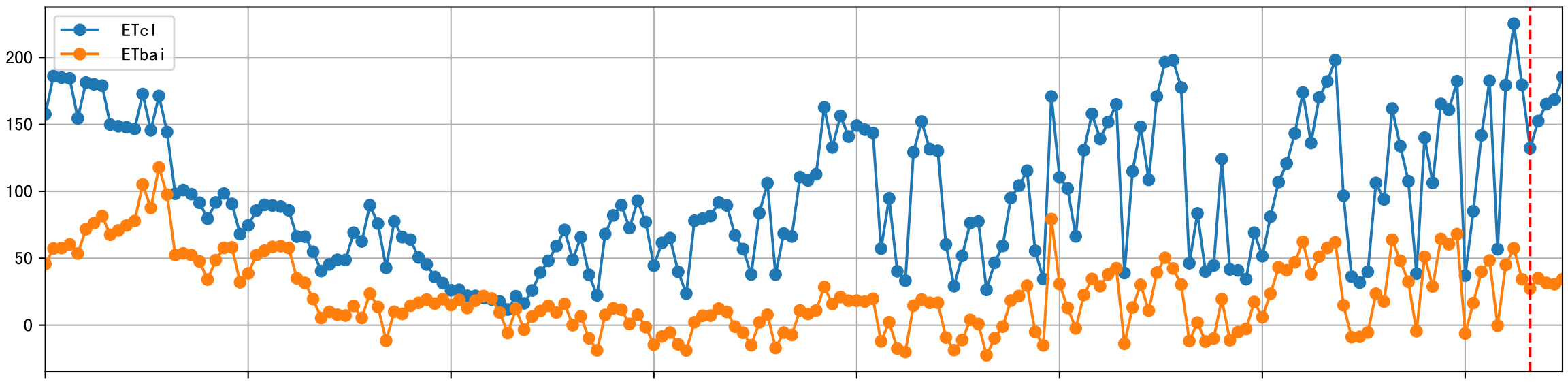


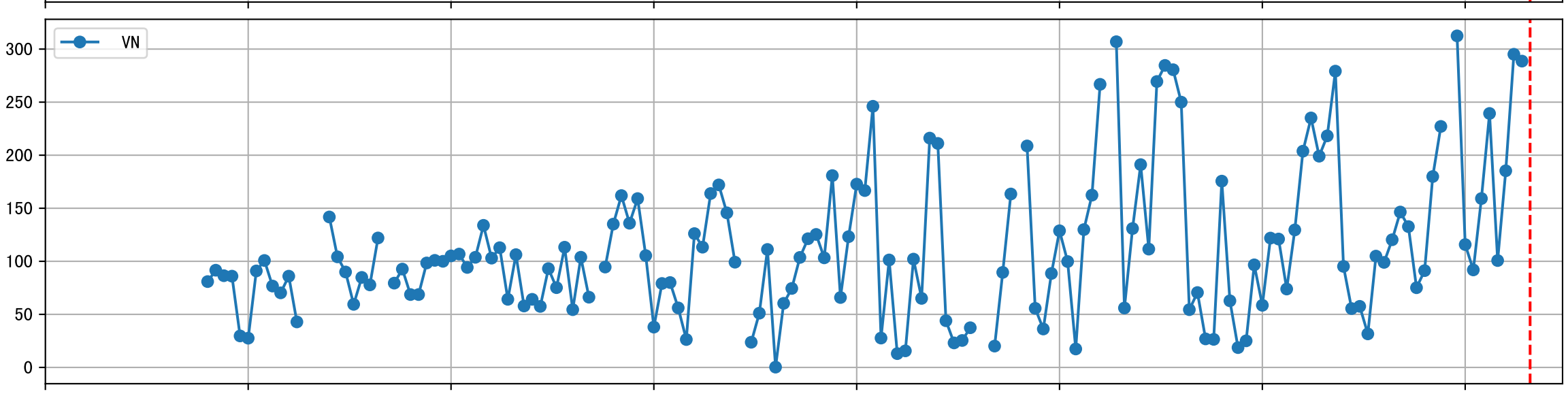

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

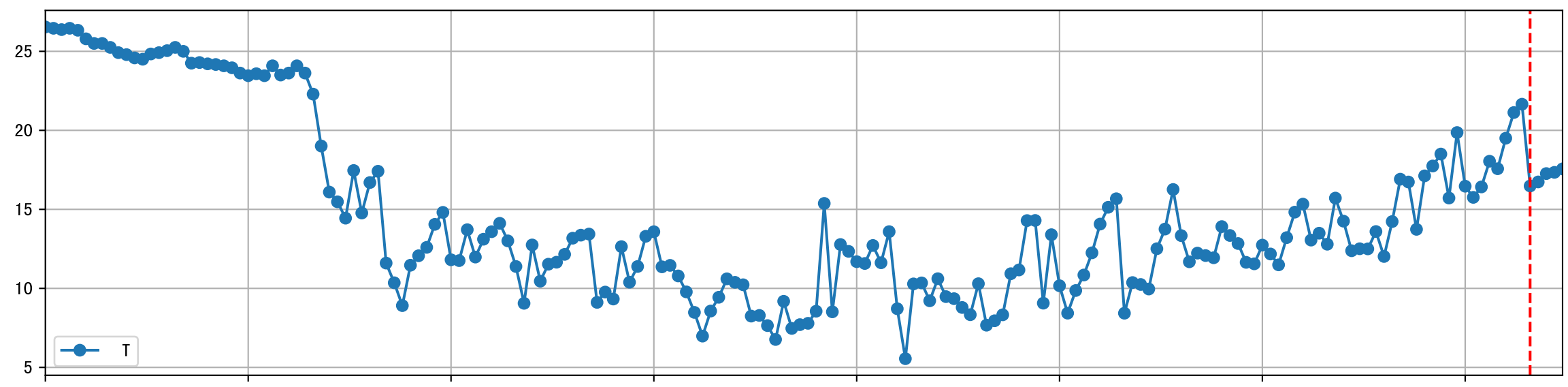

Trend plot forL1A4_4
minFVI
minFV0
Warning: col ['minFVIraw', 'minFV0raw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECO
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

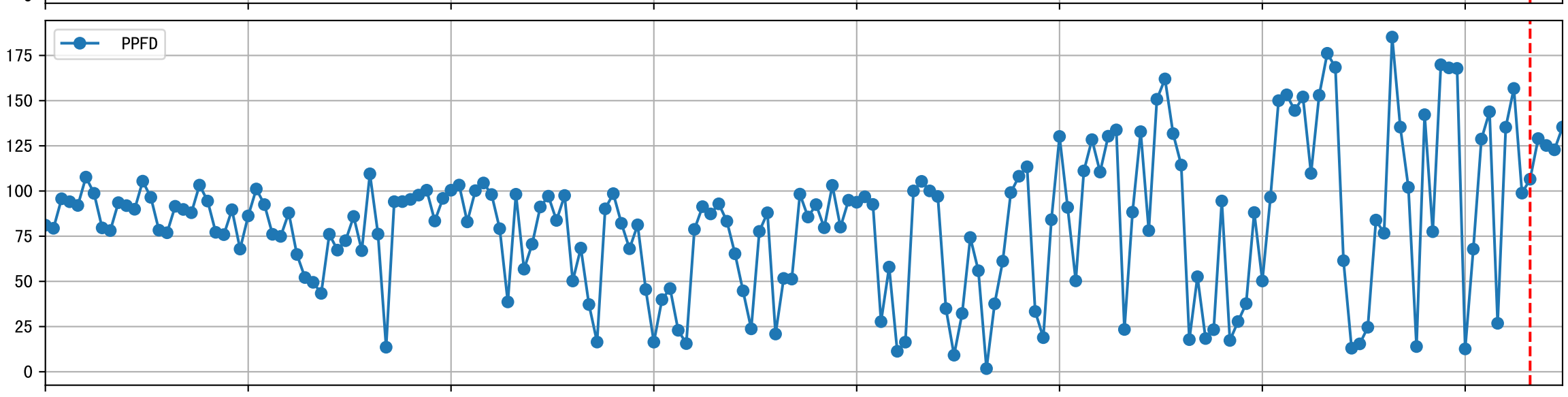

FgDaily
d
0.0
9.0
18.0
27.0
36.0
45.0
54.0
63.0
72.0
81.0
90.0
99.0
108.0
117.0
126.0
135.0
144.0
153.0
162.0
171.0
180.0
100
80
60
40
20
0
设置EC
排灌比
设置PH
EC执行
回液EC
回液EC差
进液PH
进液量比较
回液PH差
进液EC
母液EC
回液PH
母液PH
PH执行
scTgtEC0
scSum

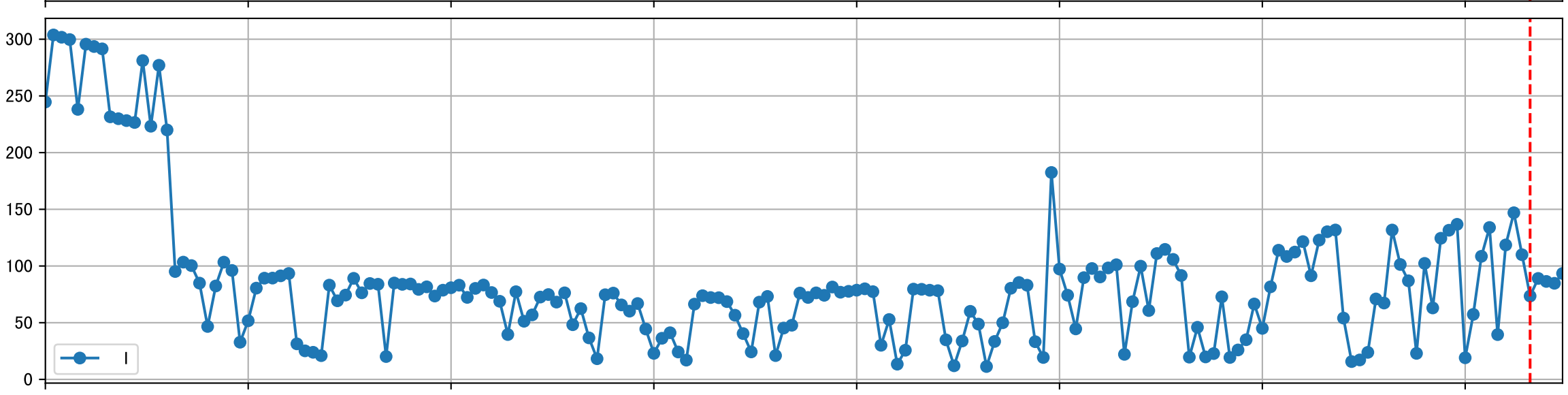
L1A4_4

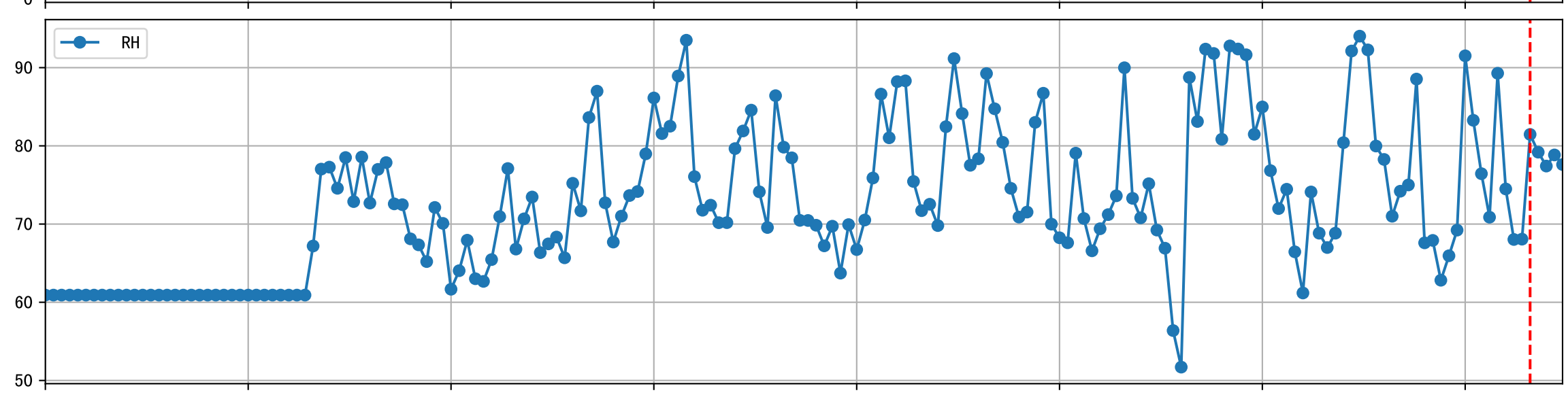

ETcl
ETbai
200
150
100
50
0

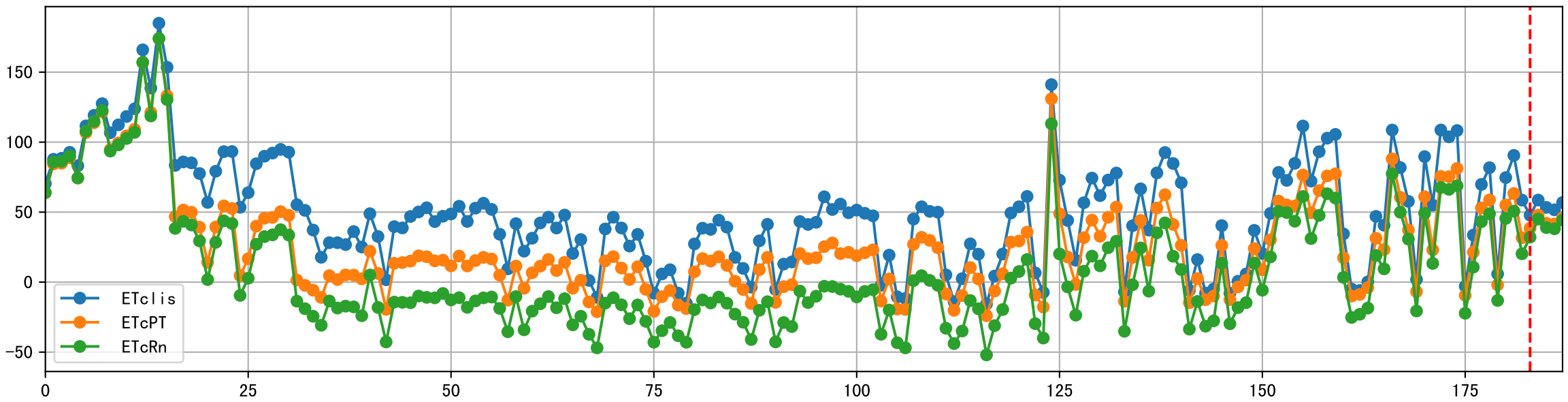

VN
300
250
200
150
100
50
0

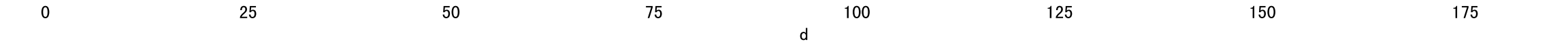

T
25
20
15
10
5

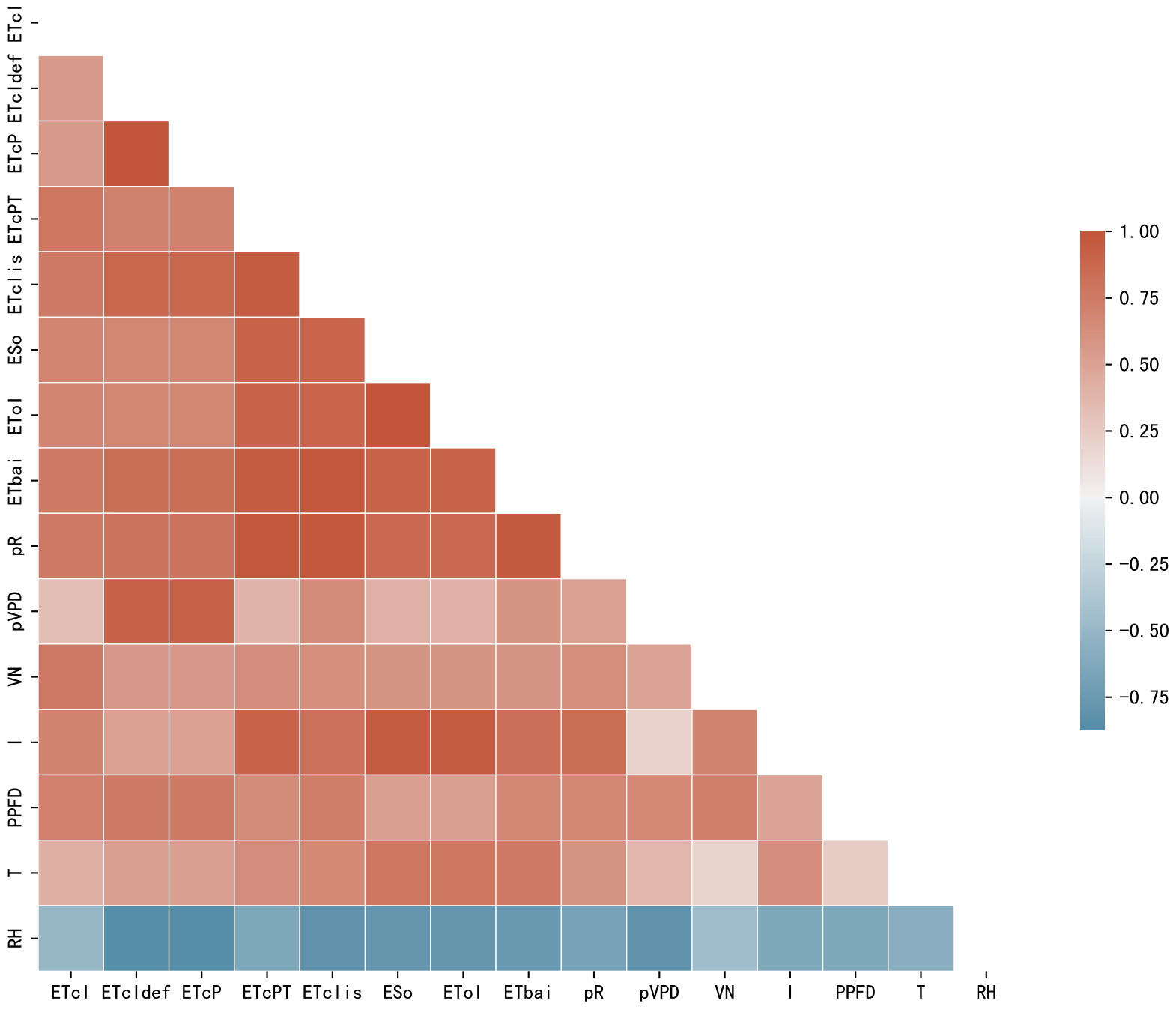

PPFD
175
150
125
100
75
50
25
0

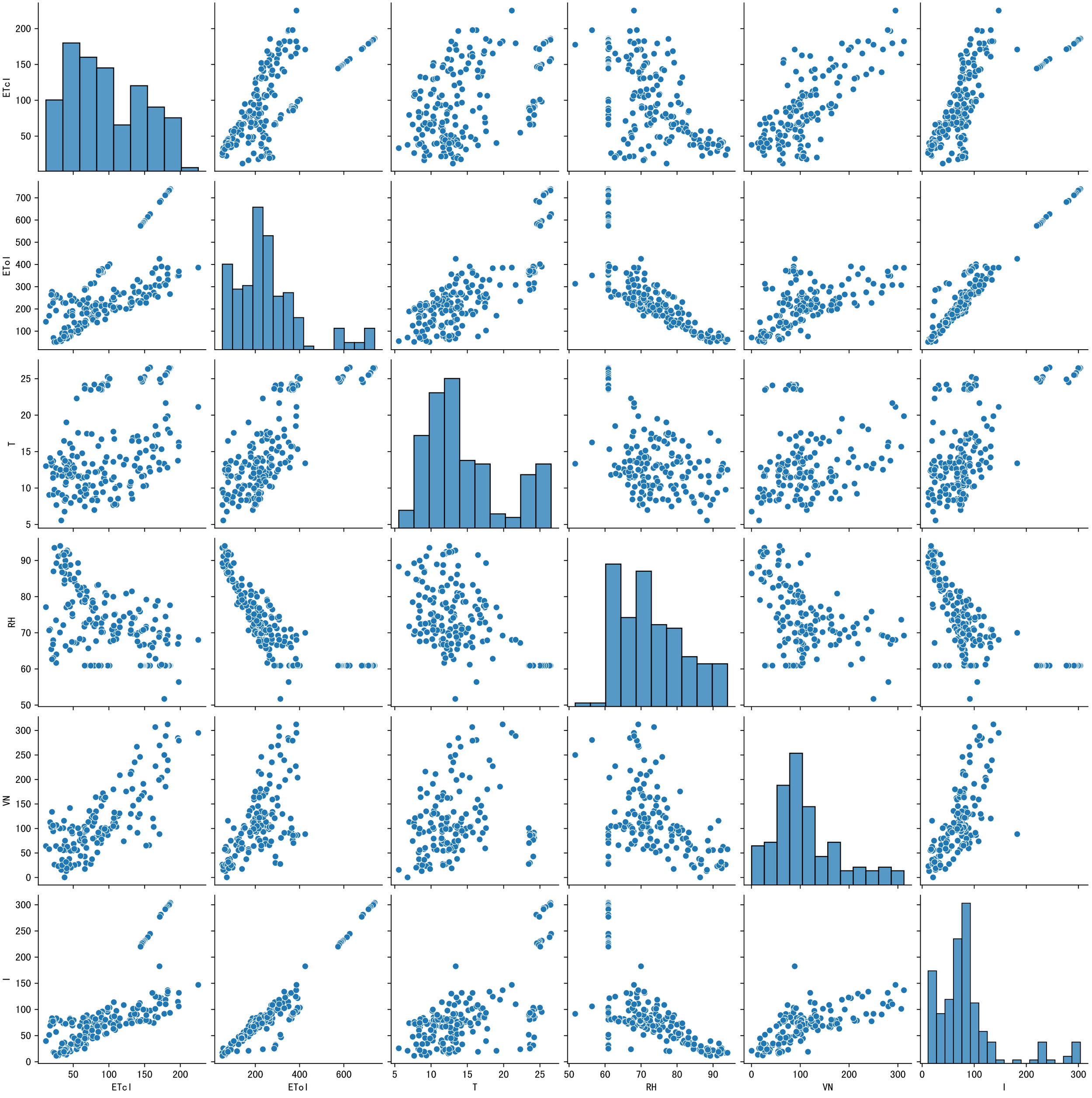

I
300
250
200
150
100
50
0

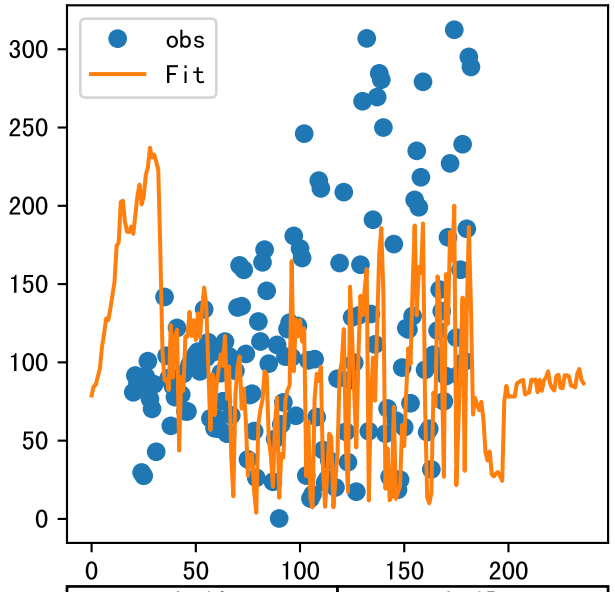

RH
90
80
70
60
50

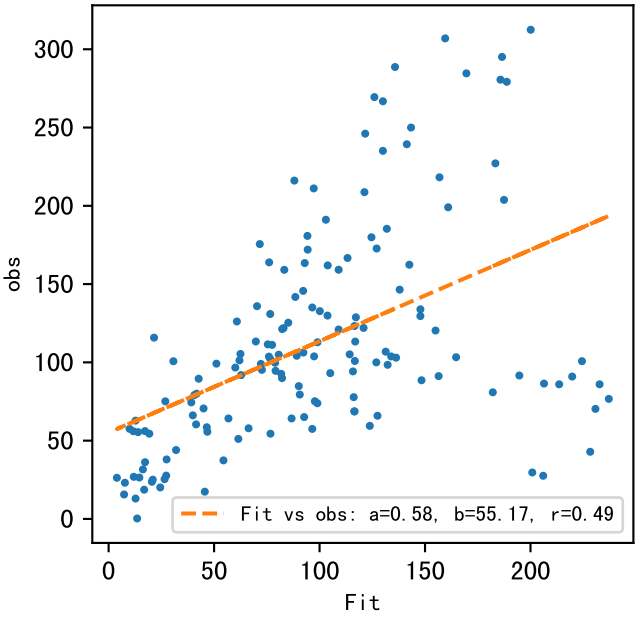

ETclis
ETcPT
ETcRn
150
100
50
0
−50


0
25
50
75
100
125
150
175
d

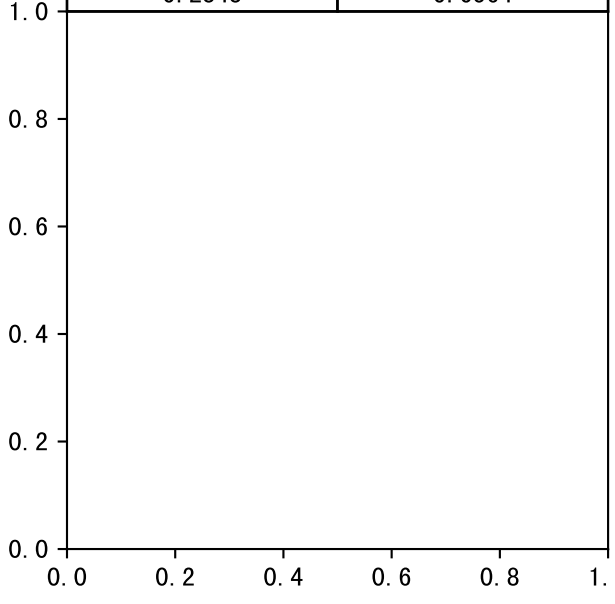

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

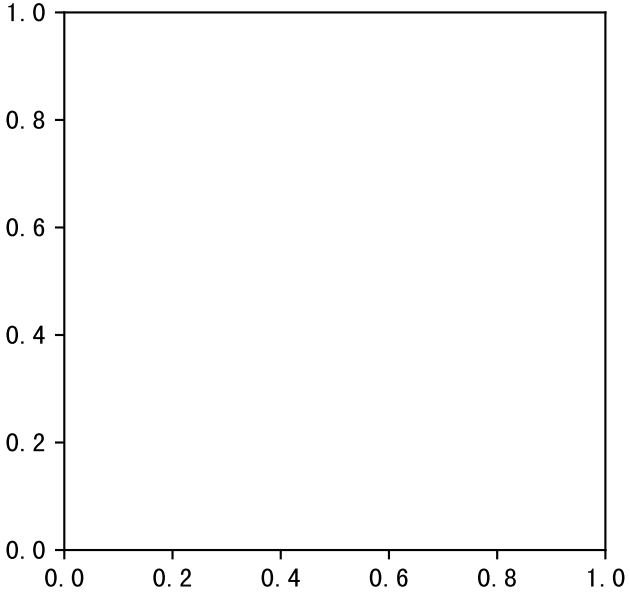

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

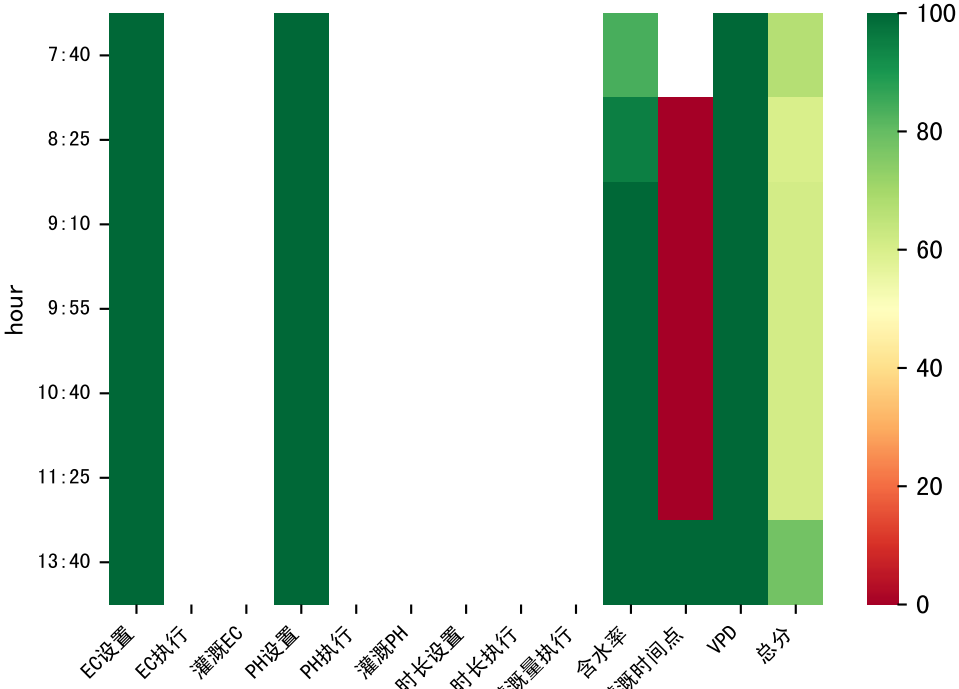




baiA	baiB
0.2343	0.0564

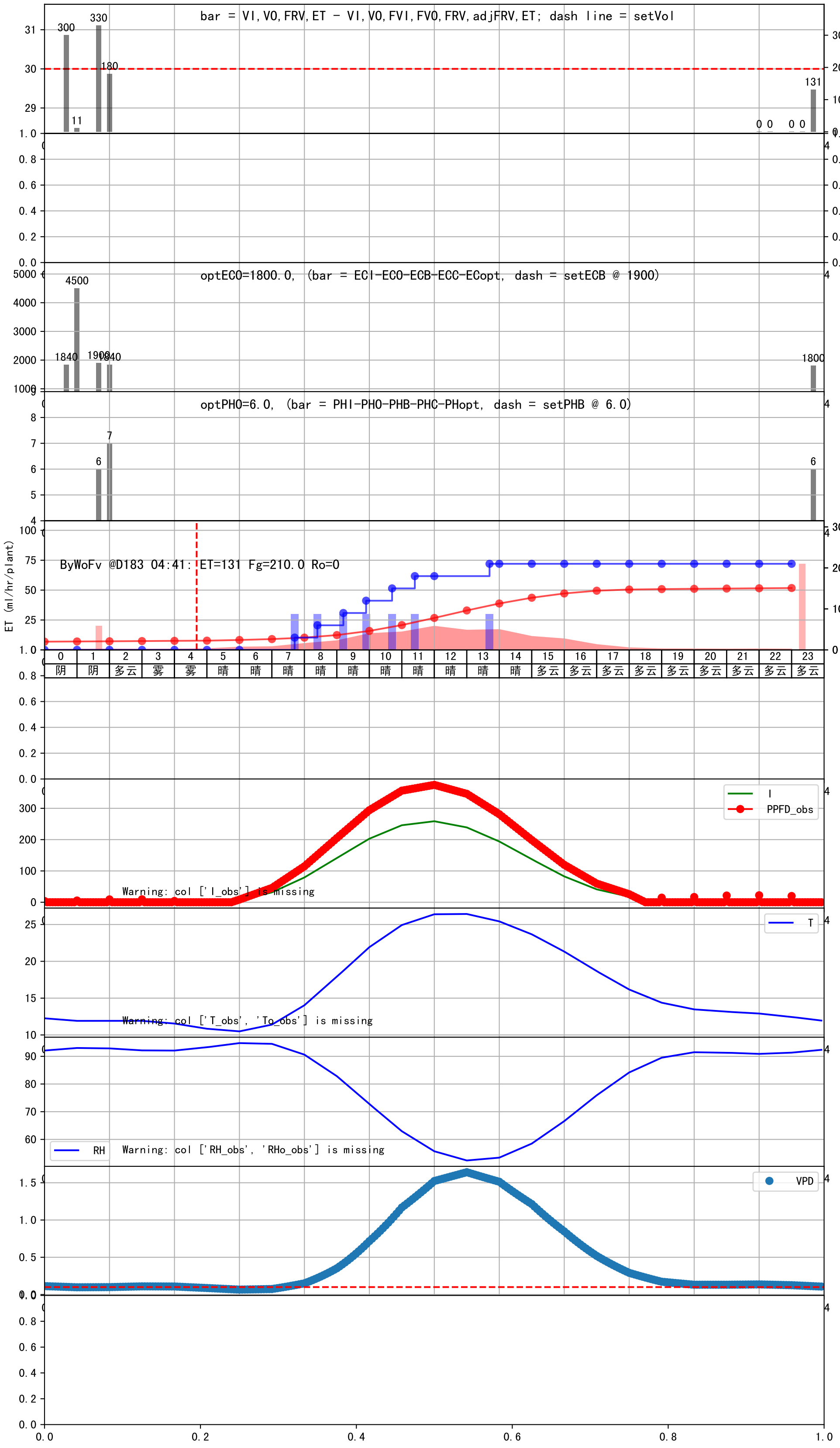


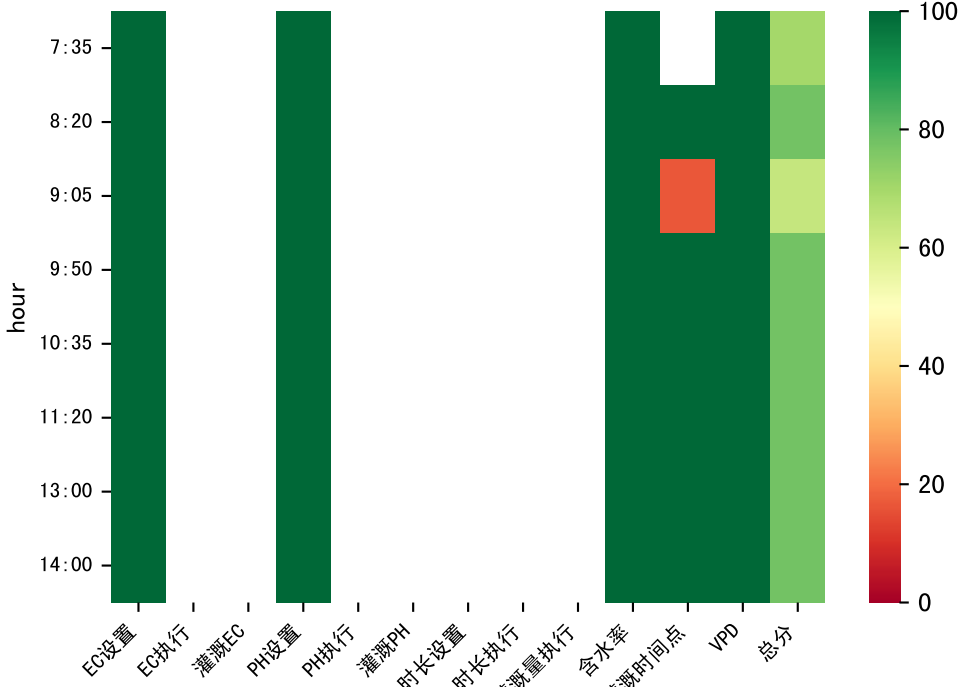



hour
7:40
8:25
9:10
9:55
10:40
11:25
13:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:40	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
08:25	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
09:10	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
09:55	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
10:40	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
11:25	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
13:40	60	30.0	0.122	晴	预期（未用传感数据） 自主（预期回液 无）
总计	420.0 (7次)	210.0			建议进液EC：1900， PH：6.0

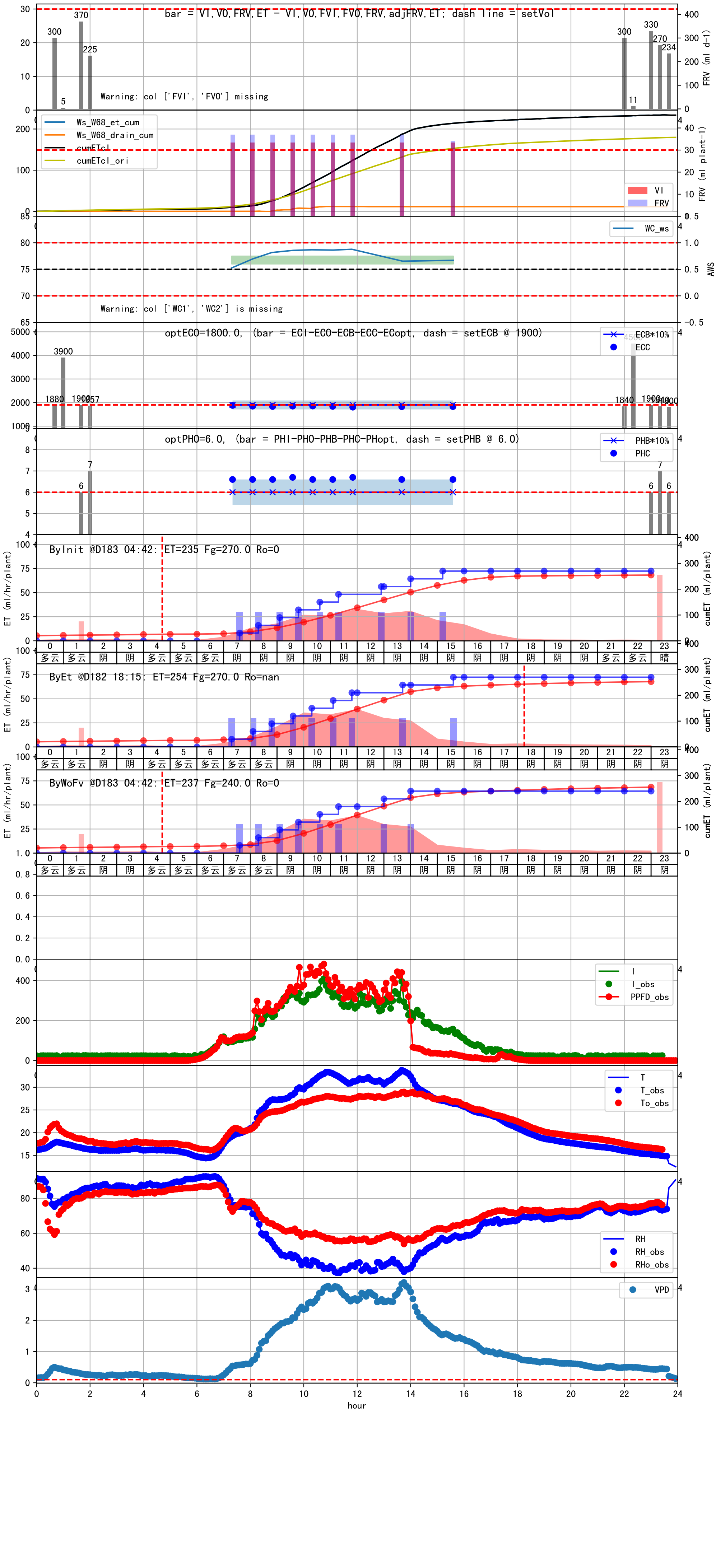
L1A4_4, Day=183 (2026-04-07)

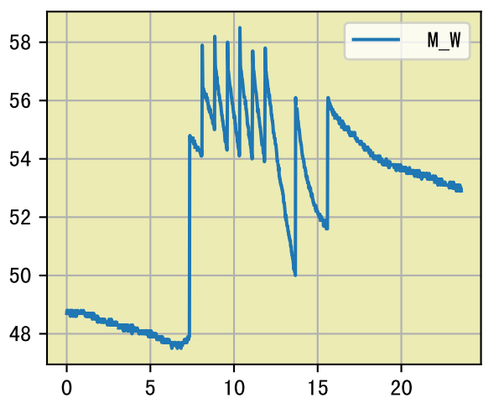


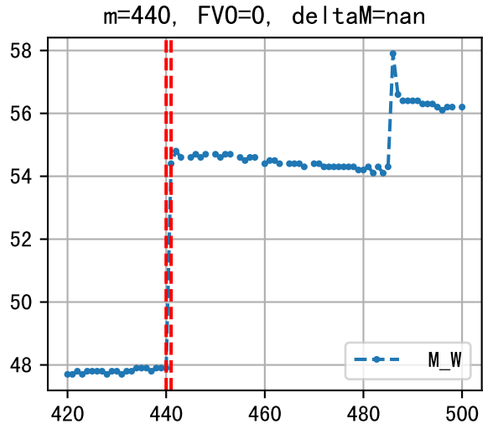

hour
7:35
8:20
9:05
9:50
10:35
11:20
13:00
14:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

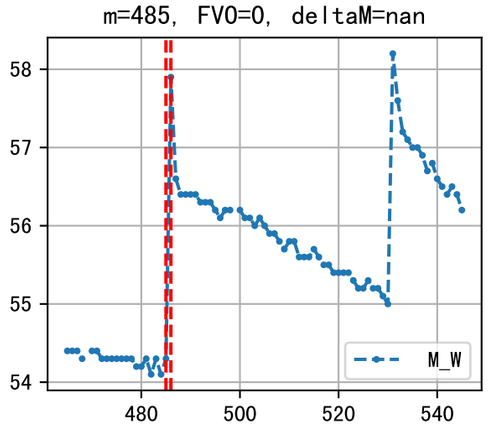
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:35	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 无）
08:20	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 无）
09:05	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
09:50	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
10:35	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
11:20	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
13:00	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
14:00	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
总计	480.0 (8次)	240.0			建议进液EC：1900， PH：6.0

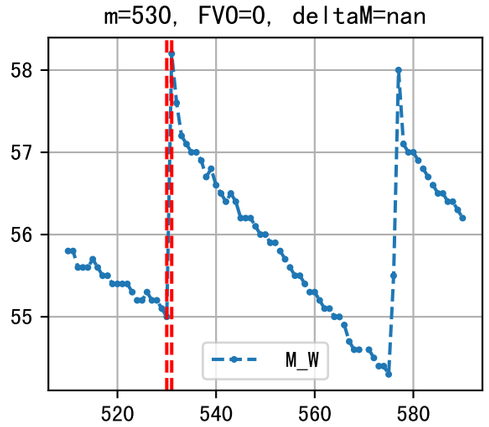
L1A4_4, Day=182.0 (2026-04-06)

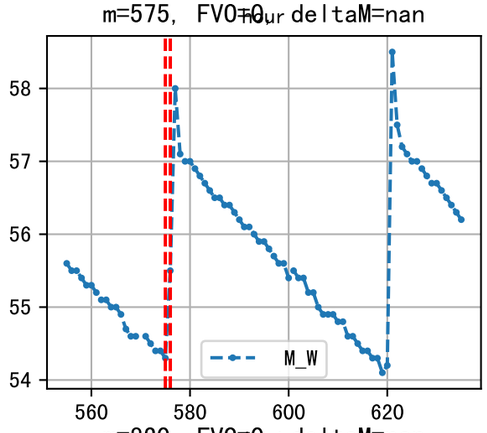


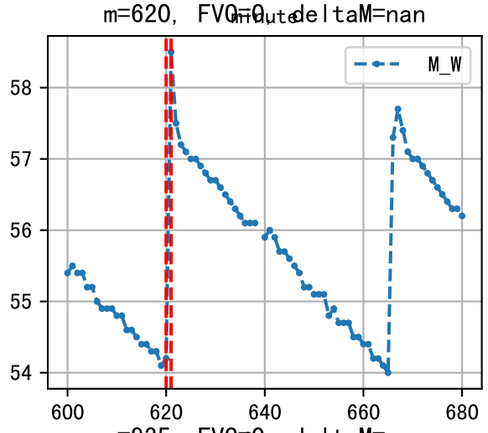

M_W

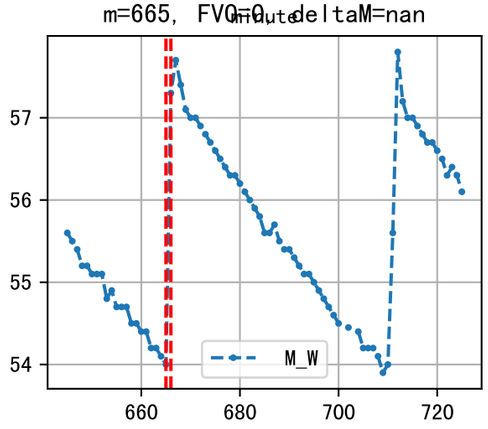

m=440, FVO=0, deltaM=nan
M_W

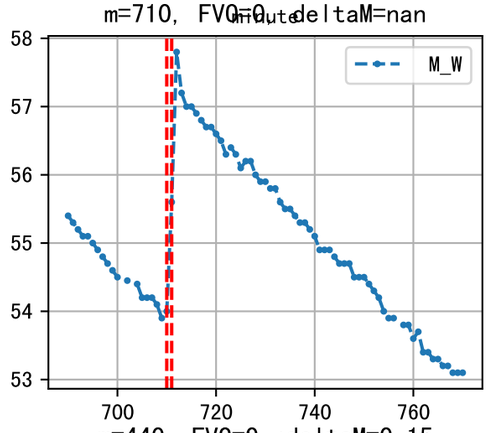

m=485, FVO=0, deltaM=nan
M_W

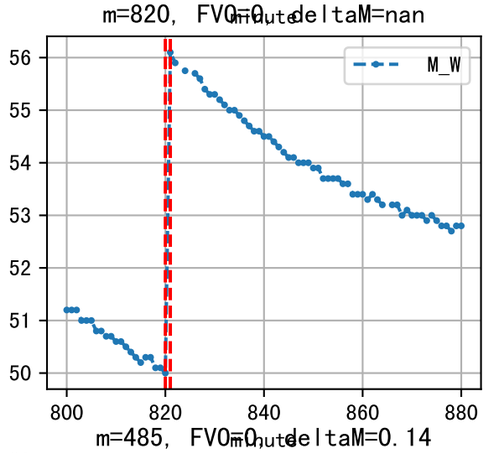

m=530, FVO=0, deltaM=nan
M_W

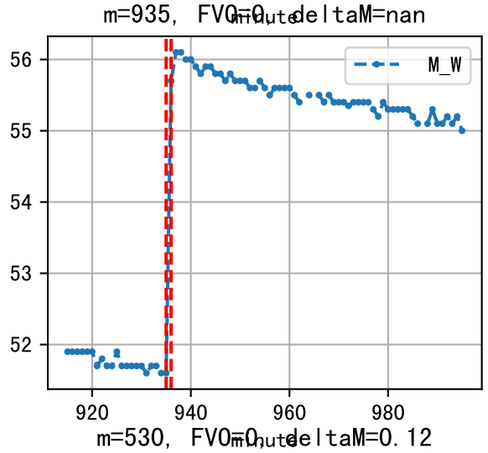

m=575, FVO=0, deltaM=nan
hour
M_W

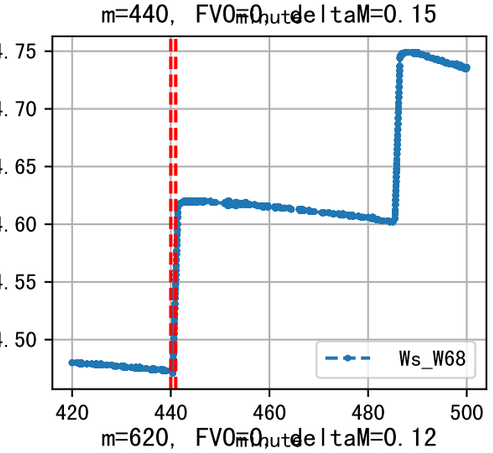

m=620, FVO=0, deltaM=nan
minute
M_W


m=665, FVO=0, deltaM=nan
minute
M_W
minute


m=710, FVO=0, deltaM=nan
minute
M_W

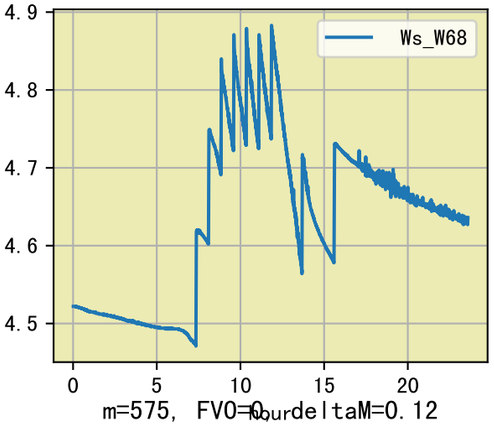

m=820, FVO=0, deltaM=nan
minute
M_W


m=935, FVO=0, deltaM=nan
minute
M_W

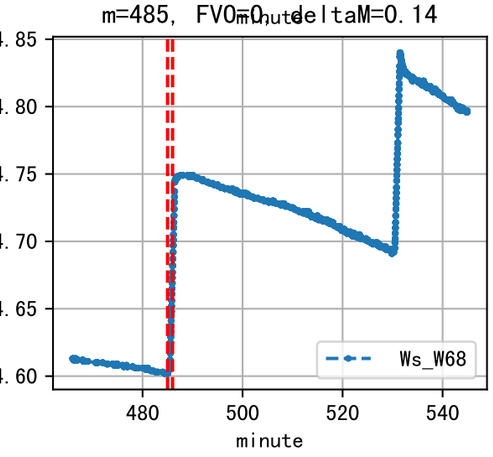

m=440, FVO=0, deltaM=0.15
minute
Ws_W68

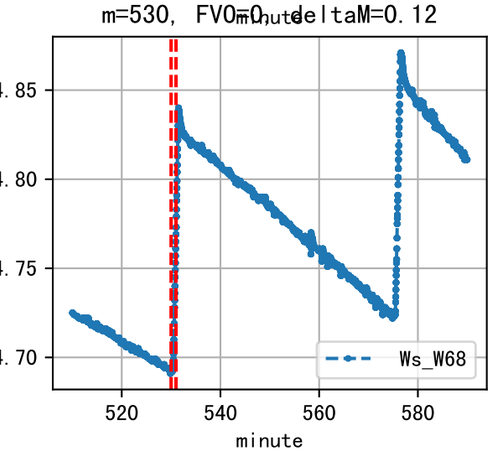
m=485, FVO=0, deltaM=0.14
minute
M_W

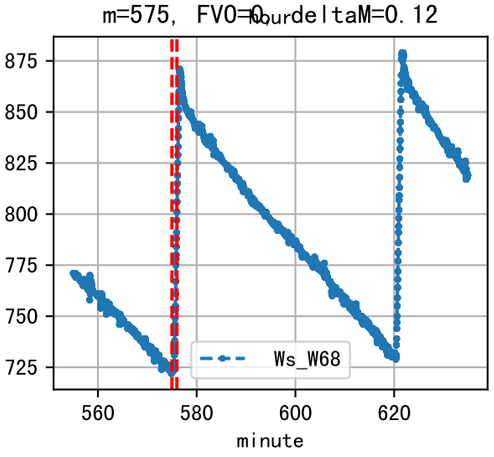
m=530, FVO=0, deltaM=0.12
minute
M_W

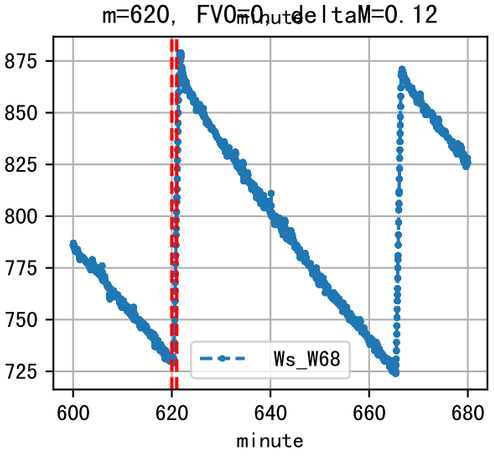

m=575, FVO=0, deltaM=0.12
hour
Ws_W68

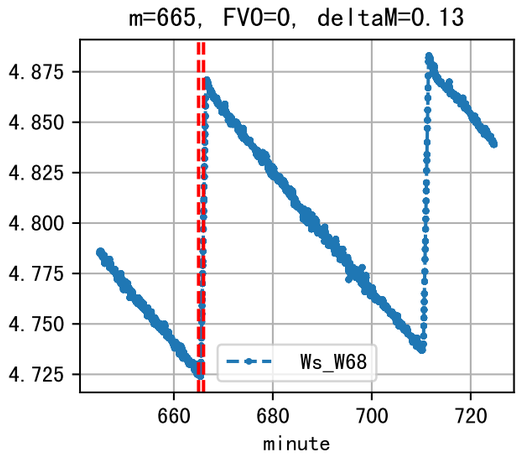
m=620, FVO=0, deltaM=0.12
minute
Ws_W68

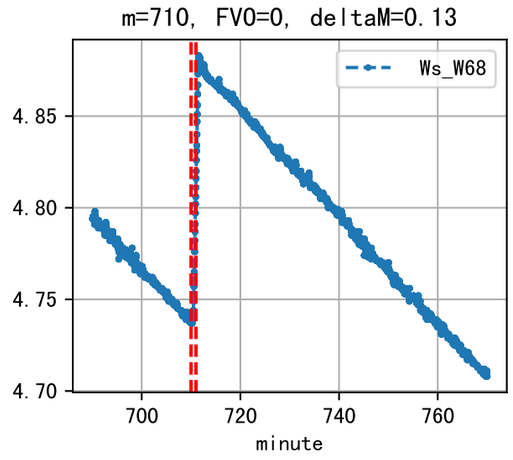

Ws_W68
minute

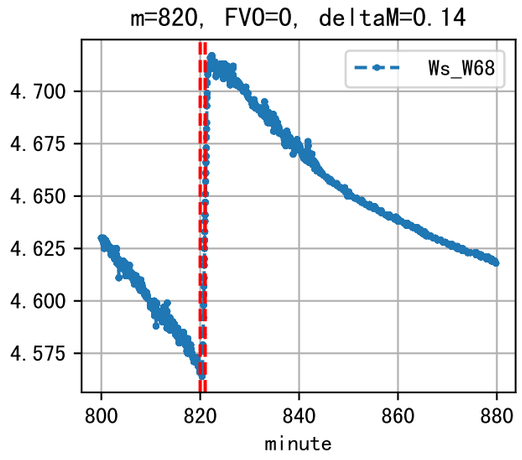

Ws_W68
minute

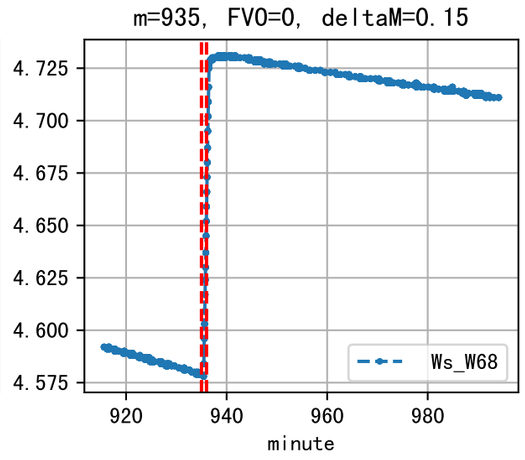

Ws_W68
minute

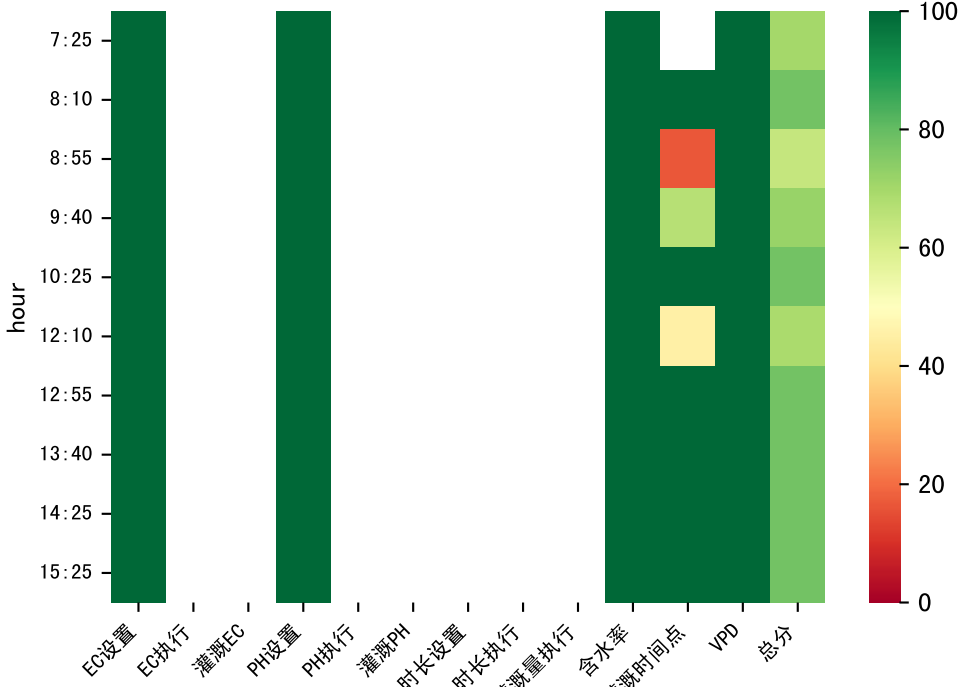

Ws_W68
minute


m=665, FV0=0, deltaM=0.13
4.875
4.850
4.825
4.800
4.775
4.750
4.725
660
680
700
720
minute
Ws_W68


m=710, FV0=0, deltaM=0.13
4.85
4.80
4.75
4.70
700
720
740
760
minute
Ws_W68


m=820, FV0=0, deltaM=0.14
4.700
4.675
4.650
4.625
4.600
4.575
800
820
840
860
880
minute
Ws_W68

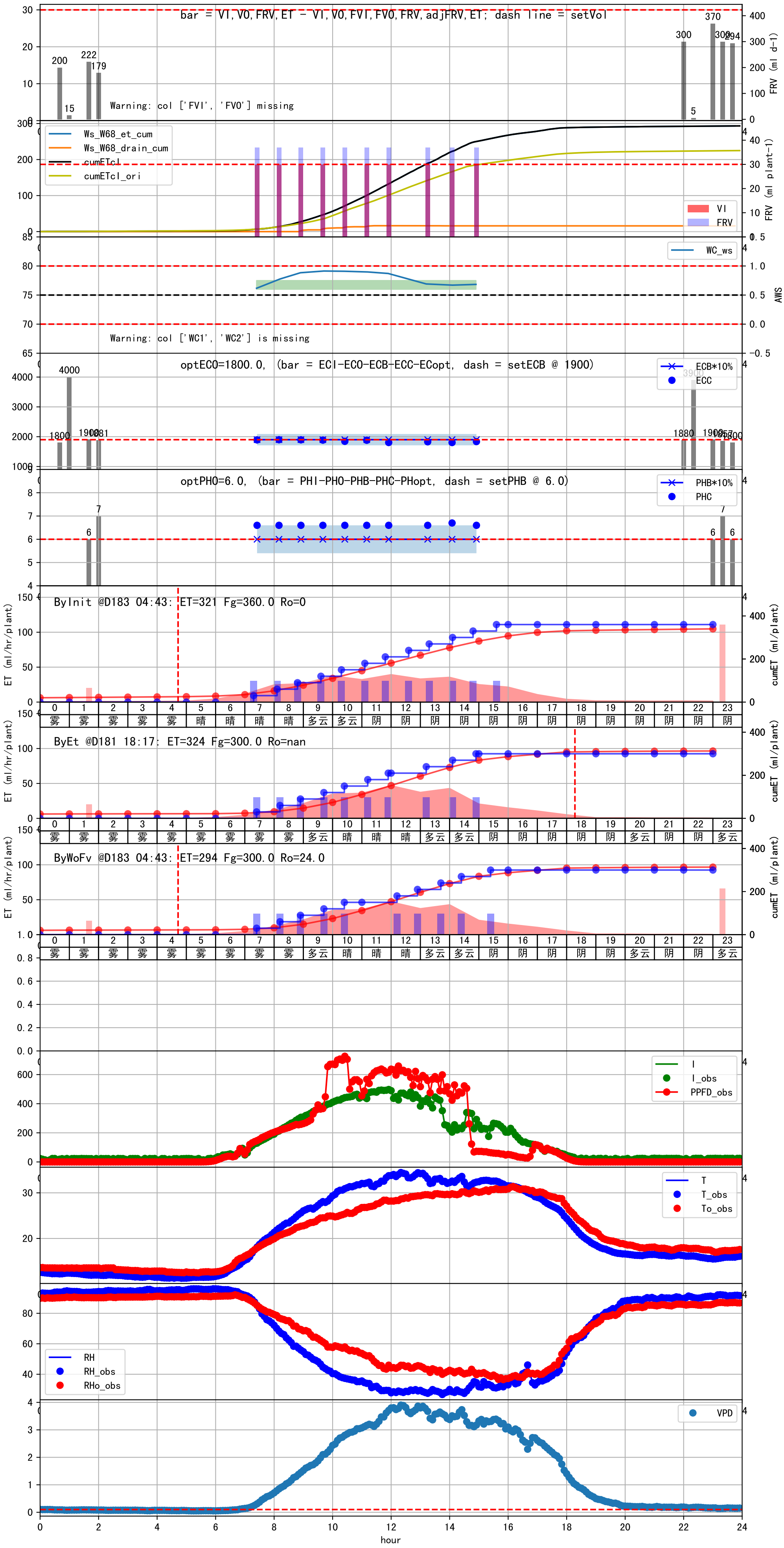

m=935, FV0=0, deltaM=0.15
4.725
4.700
4.675
4.650
4.625
4.600
4.575
920
940
960
980
minute
Ws_W68

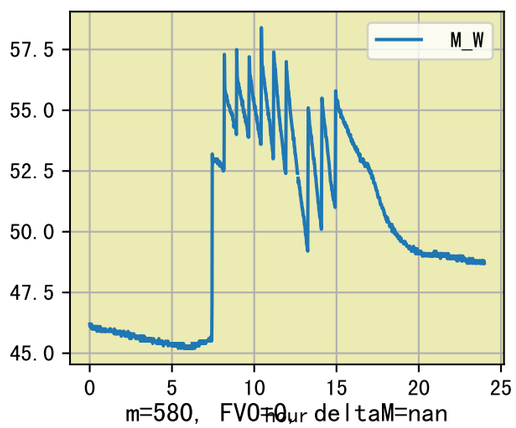

hour
7:25
8:10
8:55
9:40
10:25
12:10
12:55
13:40
14:25
15:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

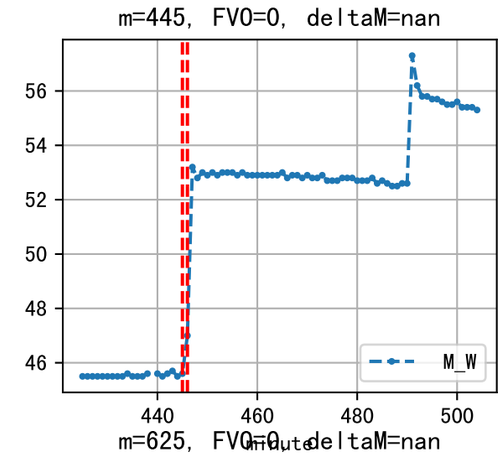
间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
25	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 无）
10	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 无）
55	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 无）
40	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 11 ml/株）
25	60	30.0	0.122	晴	假设已执行（未用传感数据） 未知程序（预期回液 13 ml/株）
10	60	30.0	0.122	晴	假设已执行（未用传感数据） 未知程序（预期回液 无）
55	60	30.0	0.122	晴	假设已执行（未用传感数据） 未知程序（预期回液 无）
40	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 无）
25	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 无）
25	60	30.0	0.122	阴	假设已执行（未用传感数据） 未知程序（预期回液 无）
计	600.0 (10次)	300.0			建议进液EC：1900， PH：6.0

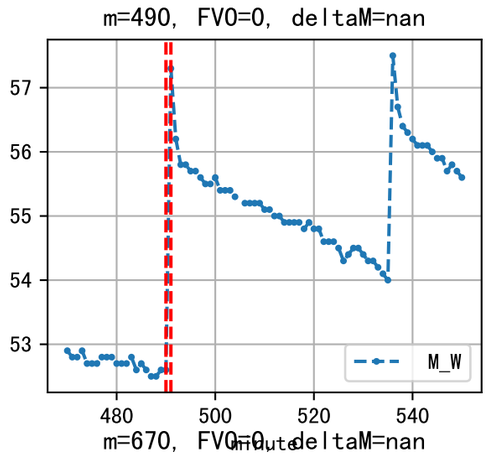
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

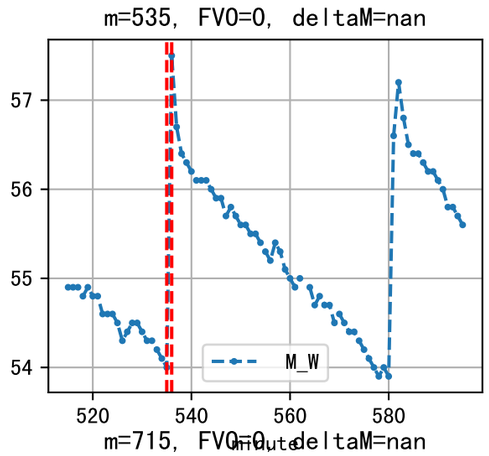
L1A4_4, Day=181.0 (2026-04-05)

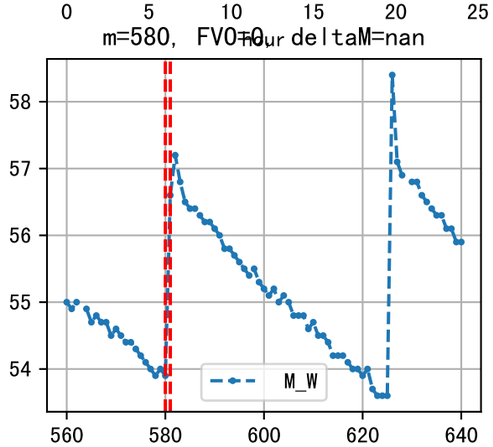


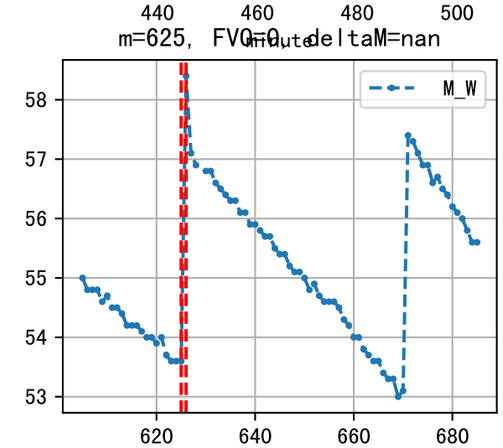

M_W

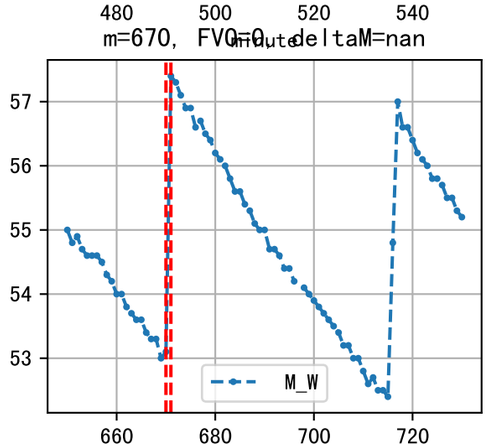

m=445, FV0=0, deltaM=nan
M_W

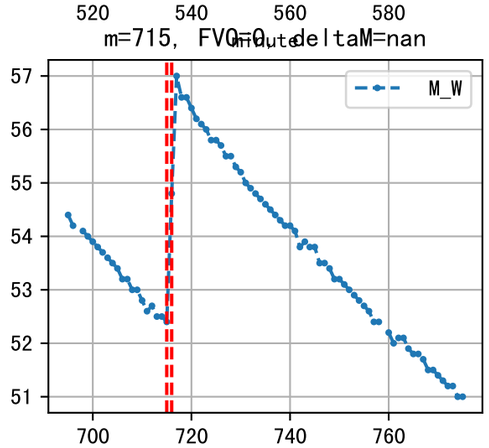

m=490, FV0=0, deltaM=nan
M_W

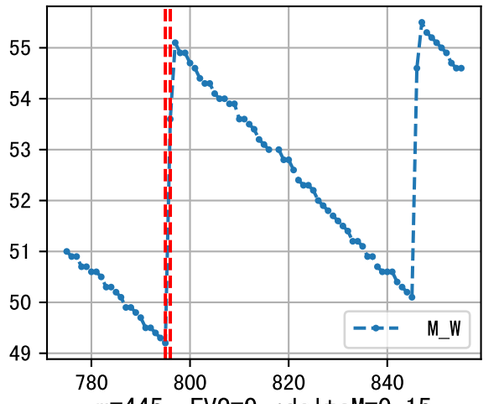

m=535, FV0=0, deltaM=nan
M_W

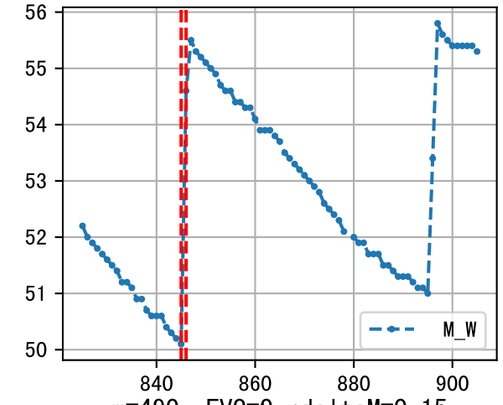

m=580, FV0=0, deltaM=nan
M_W

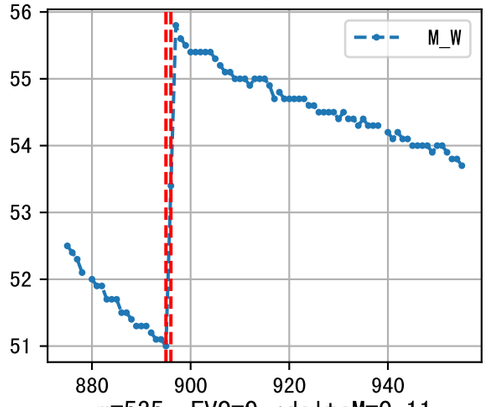

m=625, FV0=0, deltaM=nan
M_W

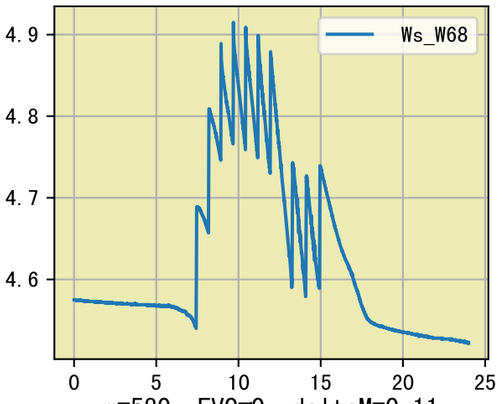

m=670, FV0=0, deltaM=nan
M_W

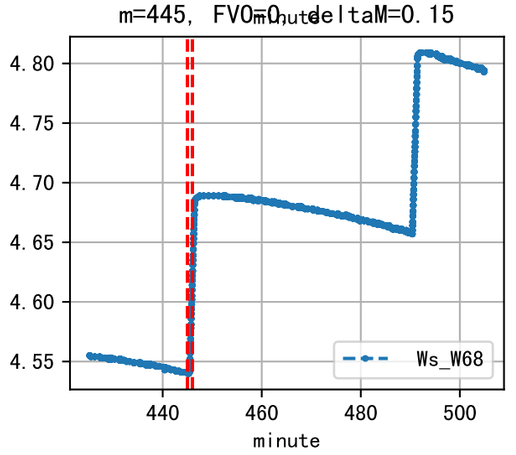

m=715, FV0=0, deltaM=nan
M_W
minute

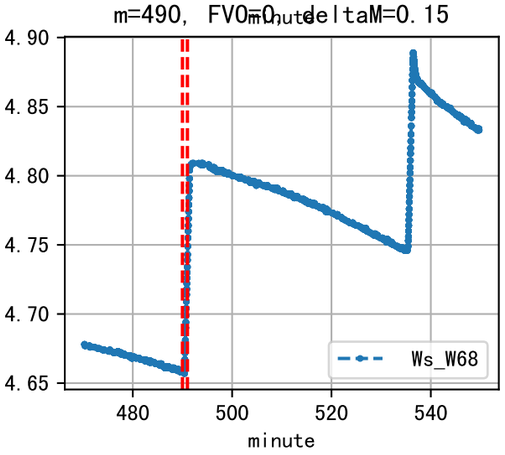

m=795, FV0=0, deltaM=nan
M_W

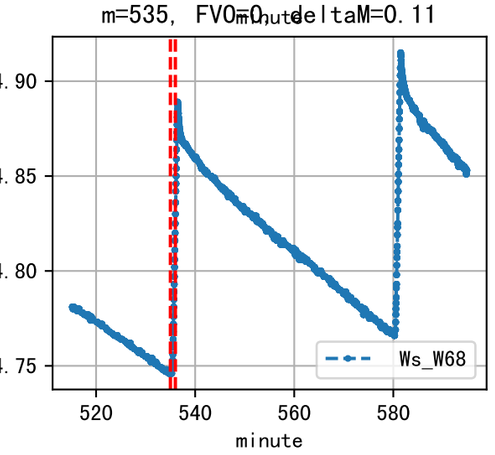

m=845, FV0=0, deltaM=nan
M_W

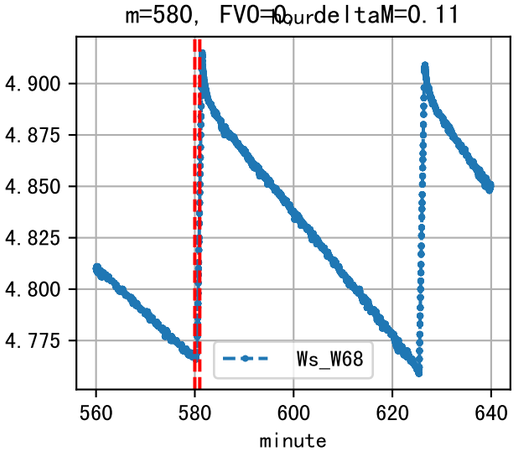

m=895, FV0=0, deltaM=nan
M_W

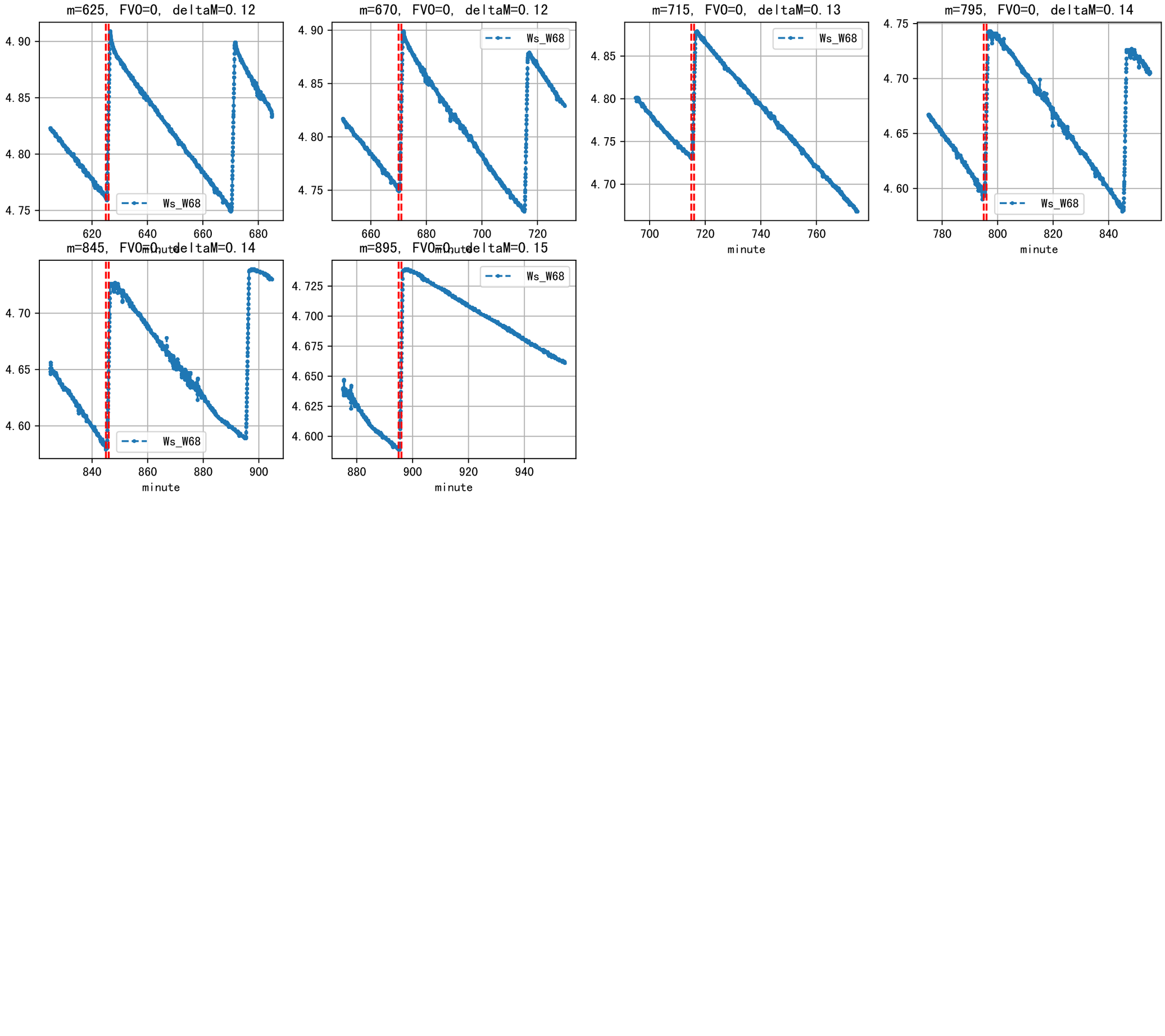

Ws_W68

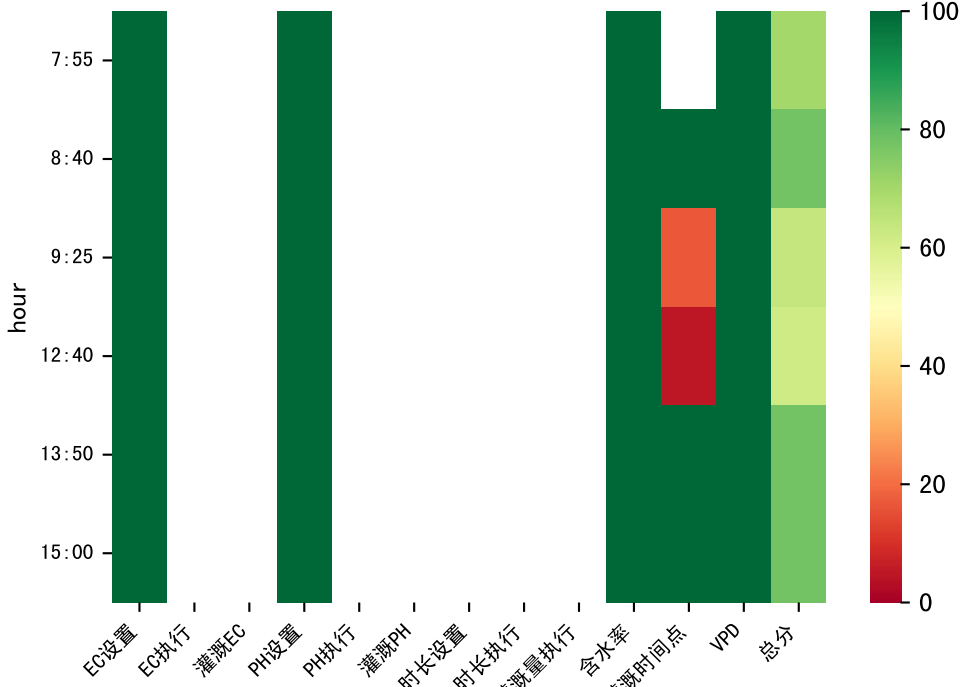

m=445, FV0=0, deltaM=0.15
Ws_W68
minute


m=490, FV0=0, deltaM=0.15
Ws_W68
minute


m=535, FV0=0, deltaM=0.11
Ws_W68
minute


m=580, FV0=0, deltaM=0.11
Ws_W68
minute

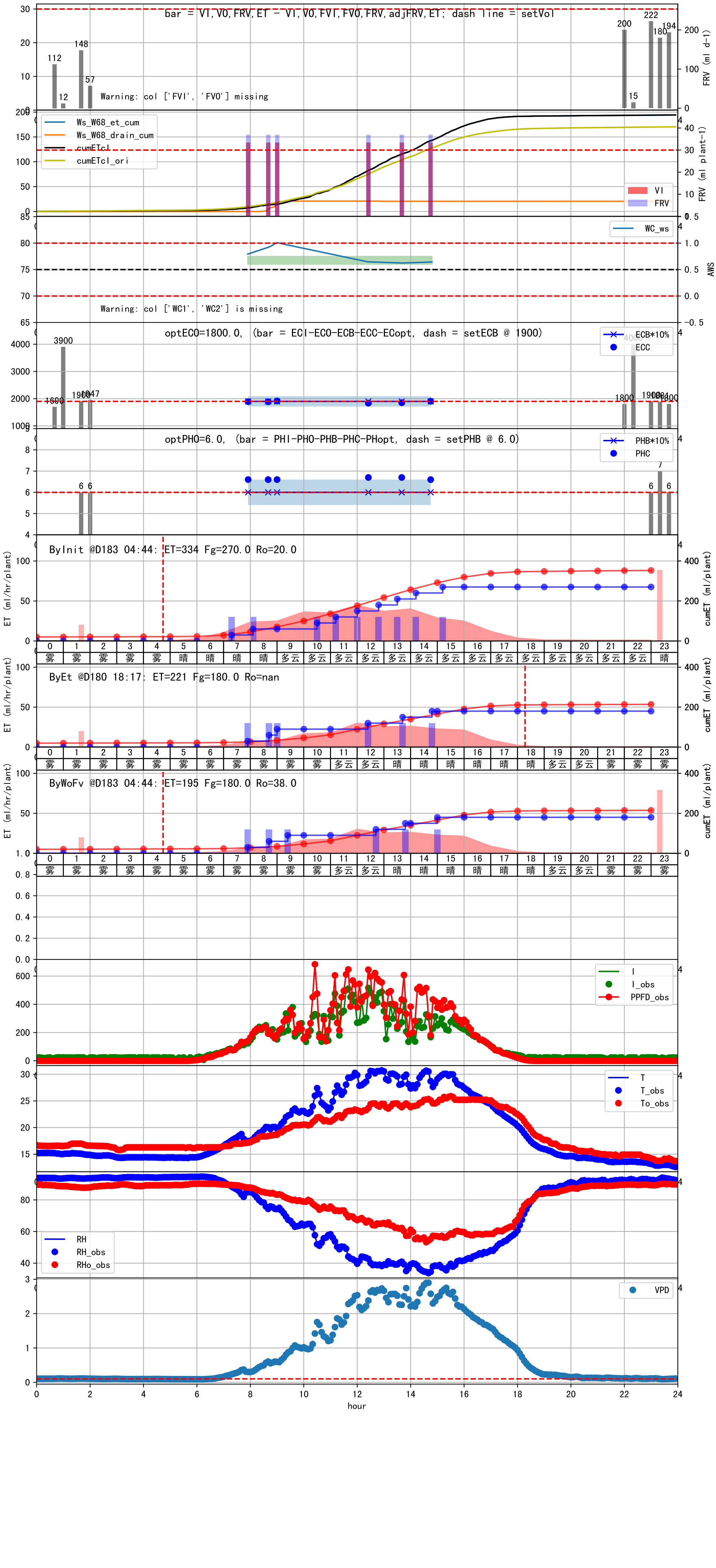

m=625, FV0=0, deltaM=0.12
m=670, FV0=0, deltaM=0.12
m=715, FV0=0, deltaM=0.13
m=795, FV0=0, deltaM=0.14
m=845, FV0=0, deltaM=0.14
m=895, FV0=0, deltaM=0.15
Ws_W68
minute

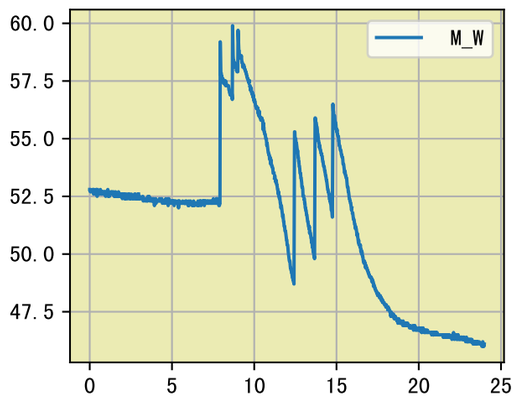

hour
7:55
8:40
9:25
12:40
13:50
15:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

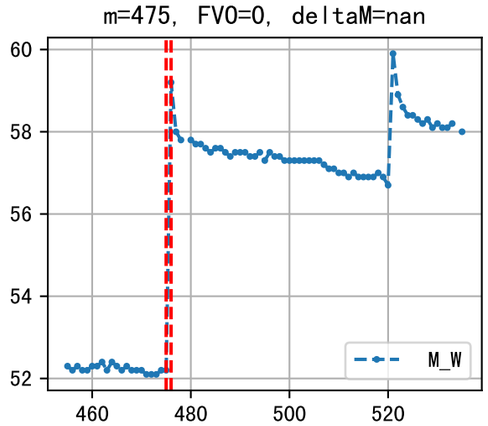
间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
55	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 无）
40	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 11 ml/株）
25	60	30.0	0.122	雾	假设已执行（未用传感数据） 未知程序（预期回液 27 ml/株）
40	60	30.0	0.122	多云	假设已执行（未用传感数据） 未知程序（预期回液 无）
50	60	30.0	0.122	晴	假设已执行（未用传感数据） 未知程序（预期回液 无）
00	60	30.0	0.122	晴	假设已执行（未用传感数据） 未知程序（预期回液 无）
计	360.0 (6次)	180.0			建议进液EC：1900， PH：6.0

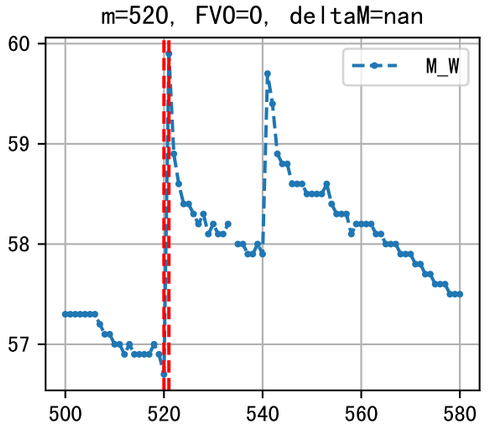
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

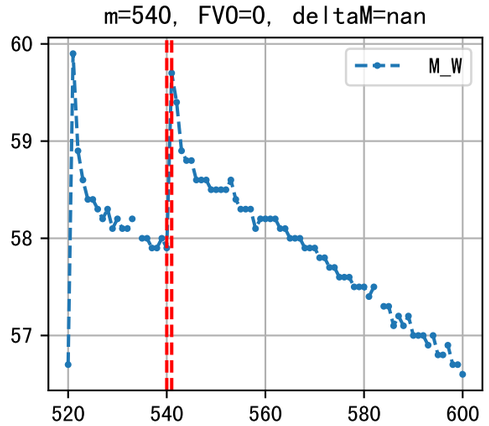
L1A4_4, Day=180.0 (2026-04-04)

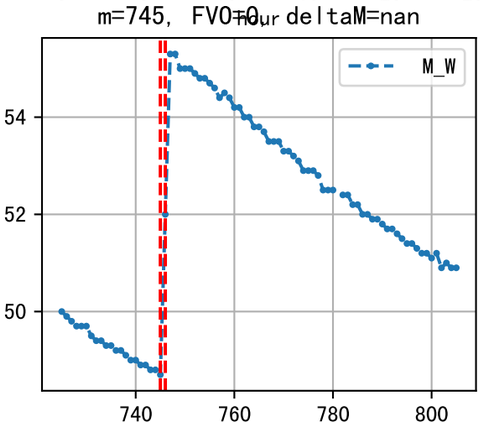


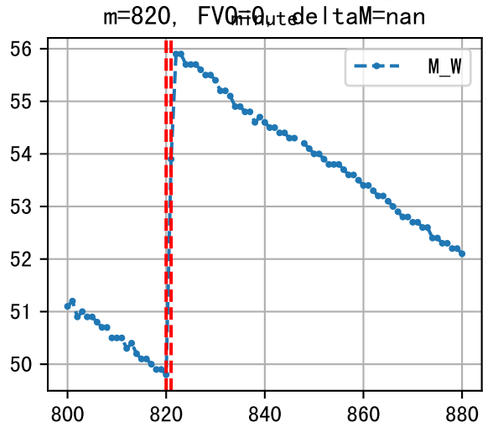

M_W

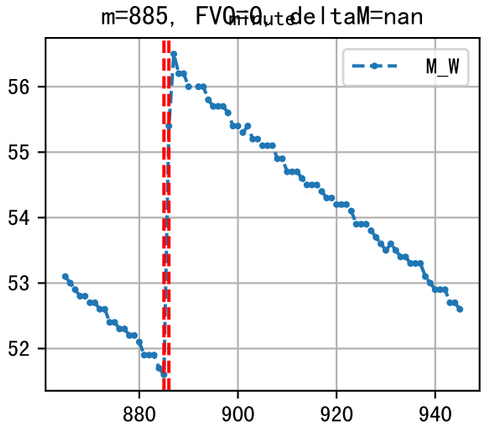

m=475, FV0=0, deltaM=nan
M_W

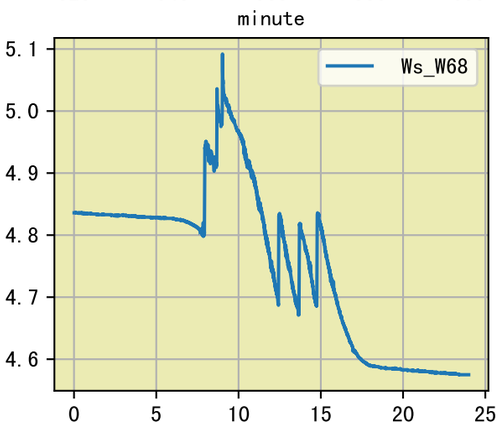

m=520, FV0=0, deltaM=nan
M_W

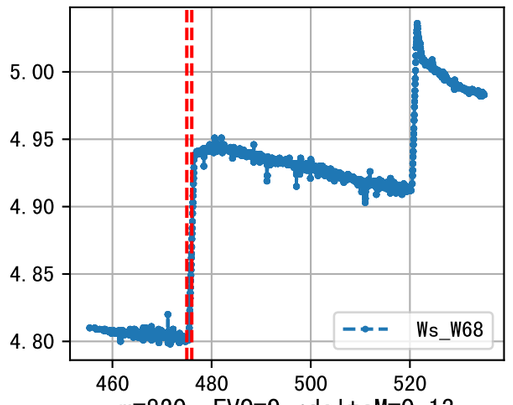

m=540, FV0=0, deltaM=nan
M_W
minute

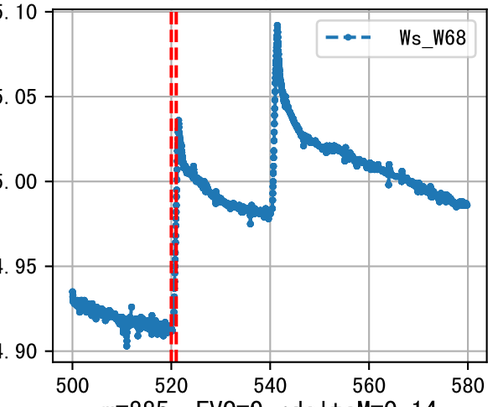

m=745, FV0=0, deltaM=nan
M_W
minute

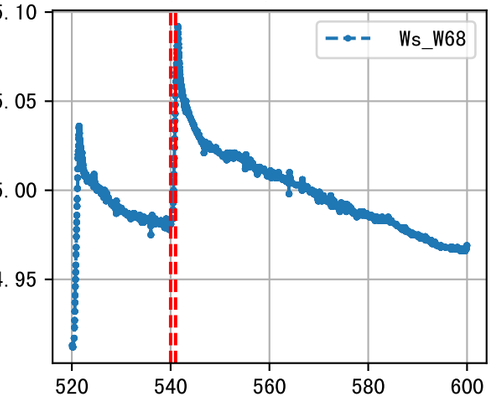

m=820, FV0=0, deltaM=nan
M_W
minute

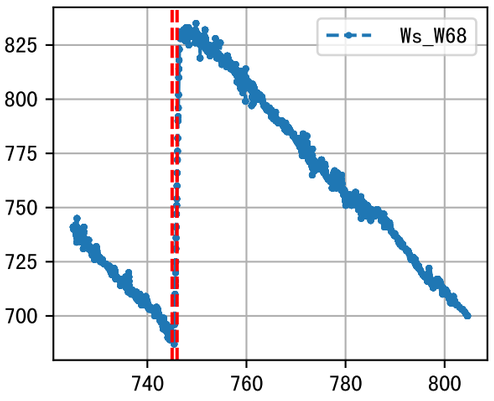

m=885, FV0=0, deltaM=nan
M_W
minute

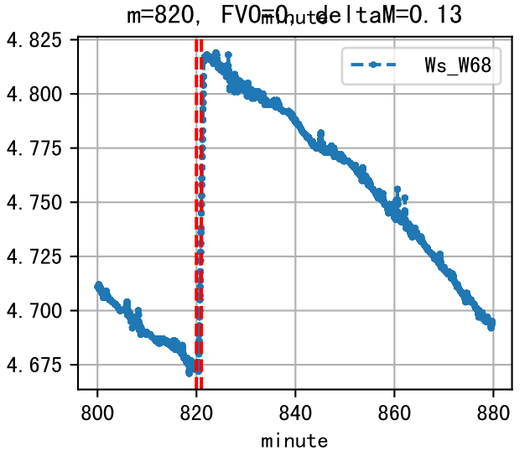

Ws_W68
minute

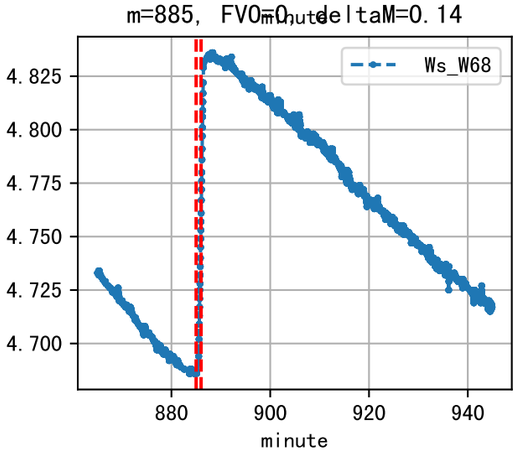

m=475, FV0=0, deltaM=0.14
Ws_W68
minute

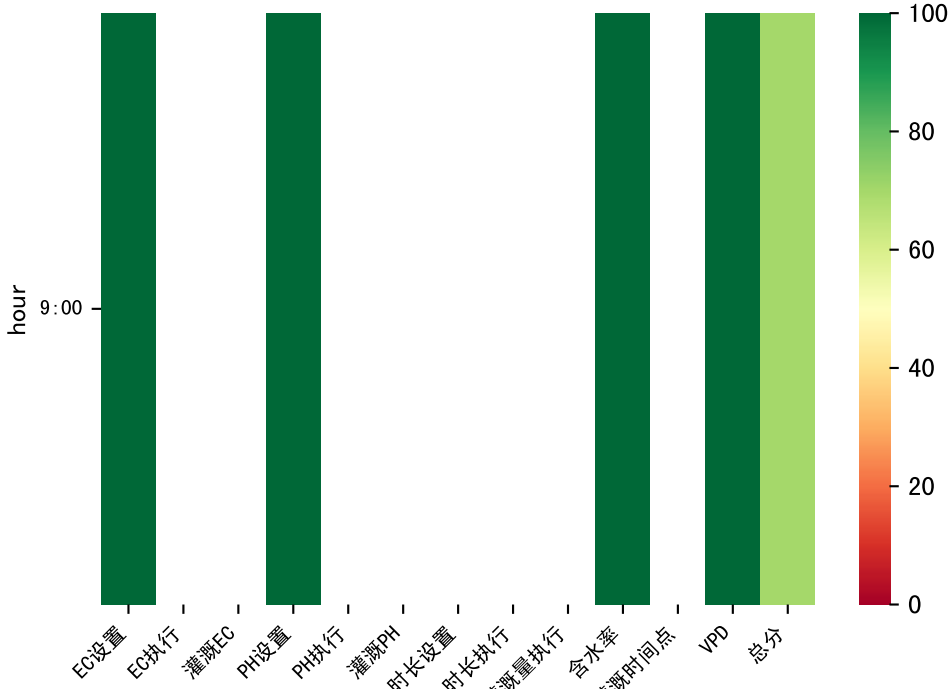

m=520, FV0=0, deltaM=0.08
Ws_W68
minute


m=540, FV0=0, deltaM=0.05
Ws_W68
minute


m=745, FV0=0, deltaM=0.14
Ws_W68
minute


m=820, FV0=0, deltaM=0.13
Ws_W68
minute

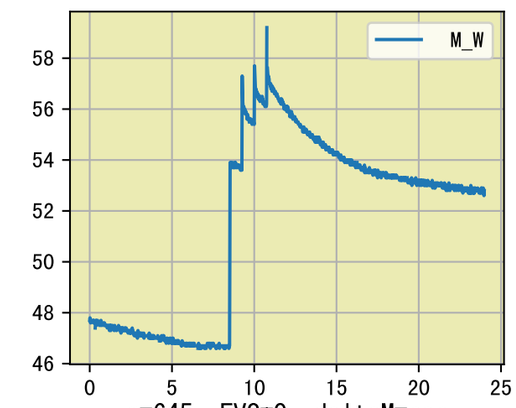

m=885, FV0=0, deltaM=0.14
Ws_W68
minute

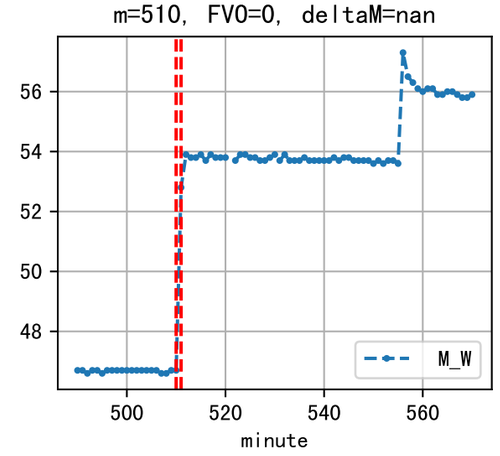

hour
9:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

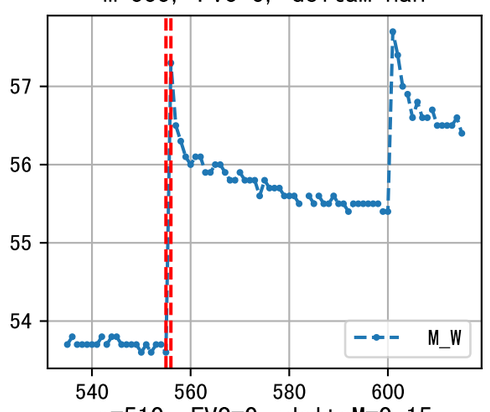
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:00	60	30.0	0.122	小雨	假设已执行（未用传感数据） 未知程序（预期回液 无）
总计	60.0 (1次)	30.0			建议进液EC：1900， PH：6.0

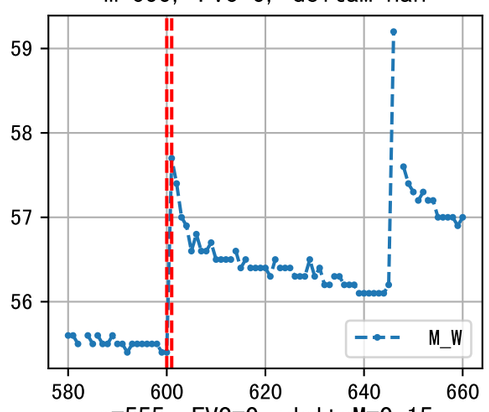
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

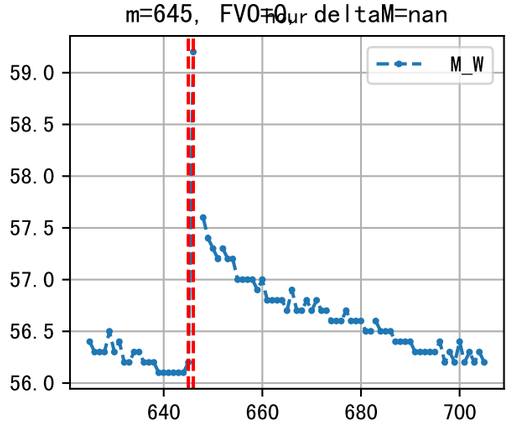
L1A4_4, Day=179.0 (2026-04-03)

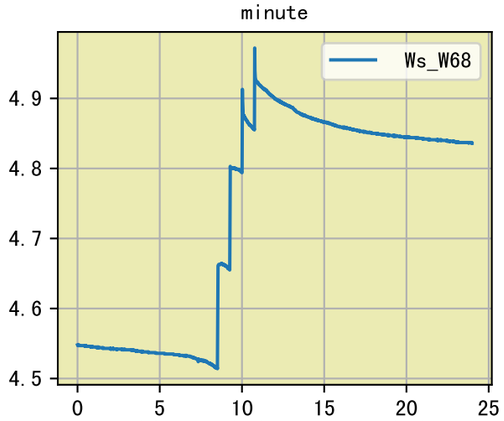

M_W
58
56
54
52
50
48
46
0
5
10
15
20
25
hour

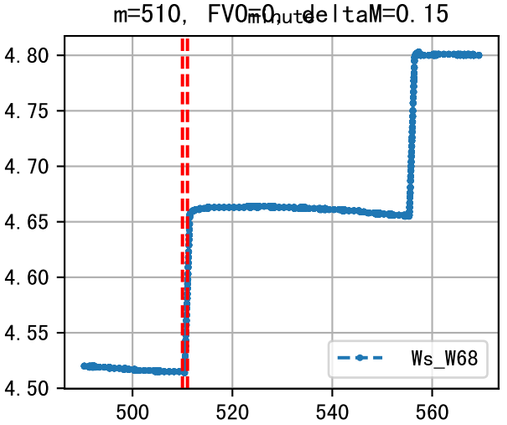

m=510, FV0=0, deltaM=nan
M_W
56
54
52
50
48
500
520
540
560
minute

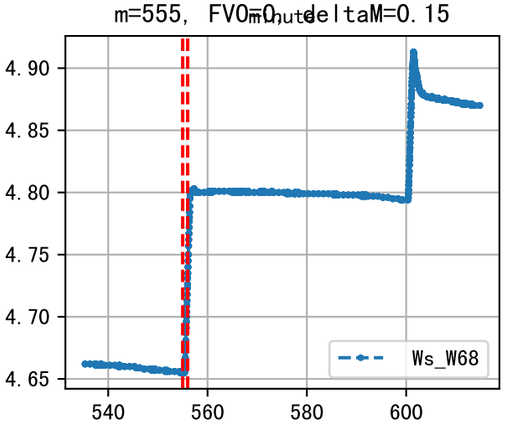

m=555, FV0=0, deltaM=nan
M_W
57
56
55
54
540
560
580
600

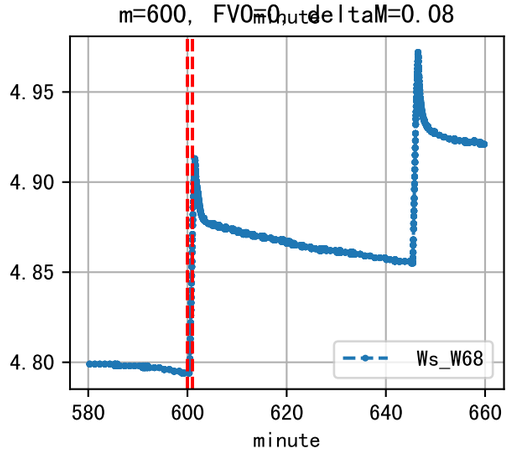

m=600, FV0=0, deltaM=nan
M_W
59
58
57
56
580
600
620
640
660
minute

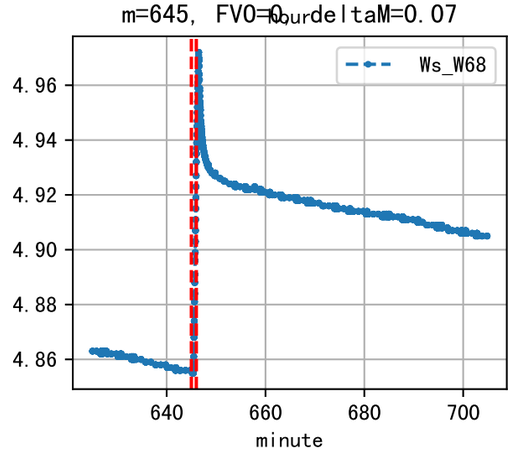

m=645, FV0=0, deltaM=nan
M_W
59.0
58.5
58.0
57.5
57.0
56.5
56.0
640
660
680
700
minute


Ws_W68
4.9
4.8
4.7
4.6
4.5
0
5
10
15
20
25
hour


m=510, FV0=0, deltaM=0.15
Ws_W68
4.80
4.75
4.70
4.65
4.60
4.55
4.50
500
520
540
560
minute


m=555, FV0=0, deltaM=0.15
Ws_W68
4.90
4.85
4.80
4.75
4.70
4.65
540
560
580
600
minute


m=600, FV0=0, deltaM=0.08
Ws_W68
4.95
4.90
4.85
4.80
580
600
620
640
660
minute


m=645, FV0=0, deltaM=0.07
Ws_W68
4.96
4.94
4.92
4.90
4.88
4.86
640
660
680
700
minute