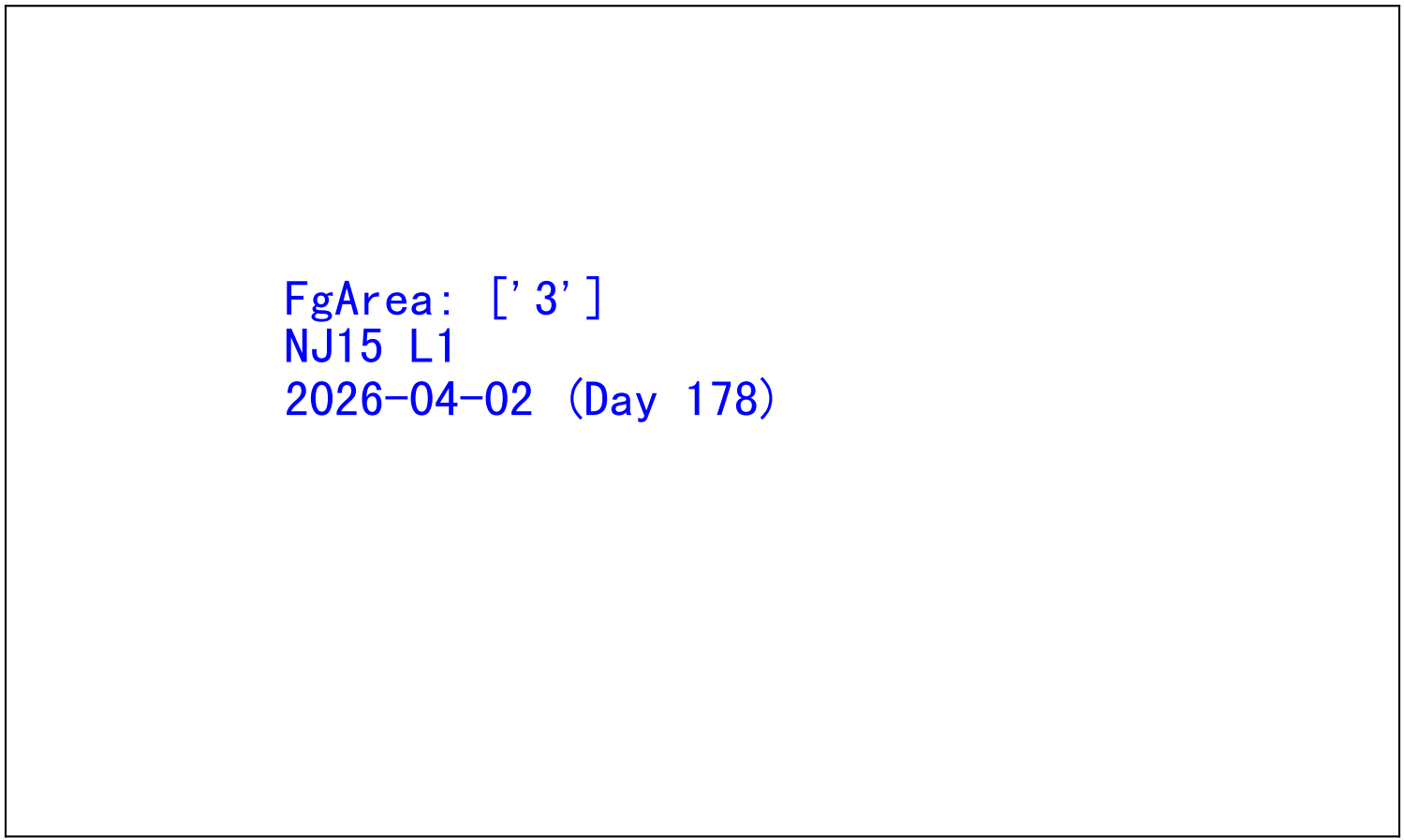
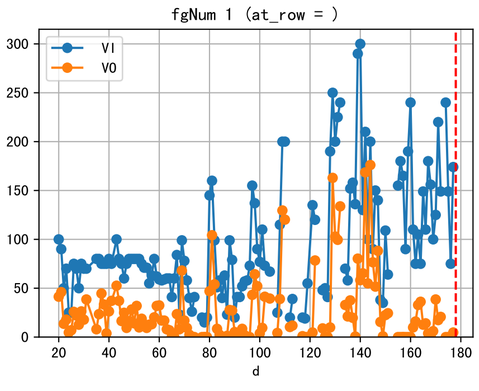
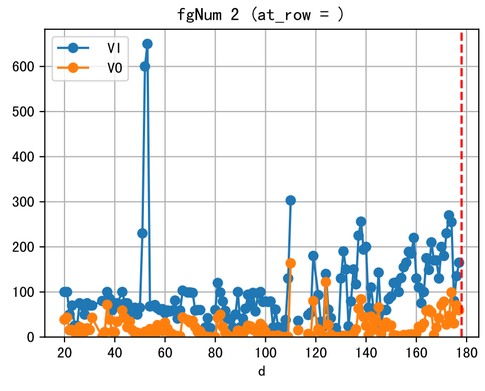
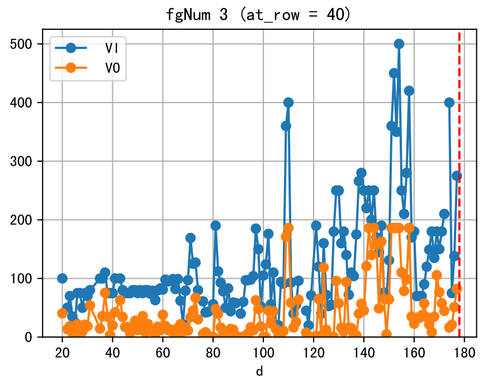
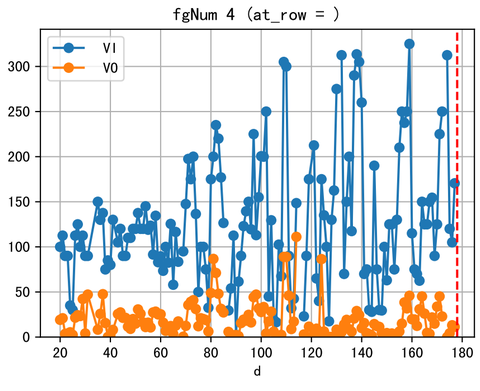
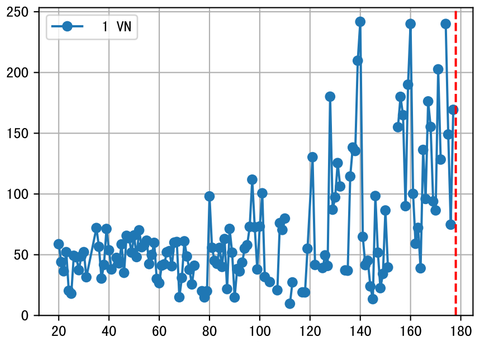

FgArea: ['3']
NJ15 L1
2026-04-02 (Day 178)

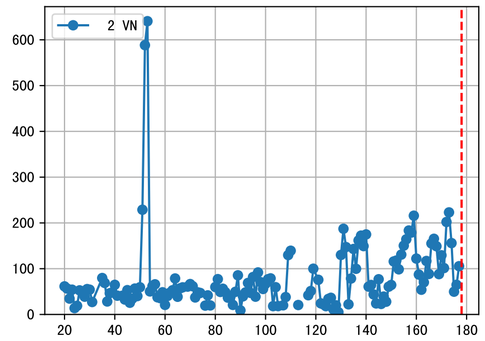

fgNum 1 (at_row =)
VI
VO
d

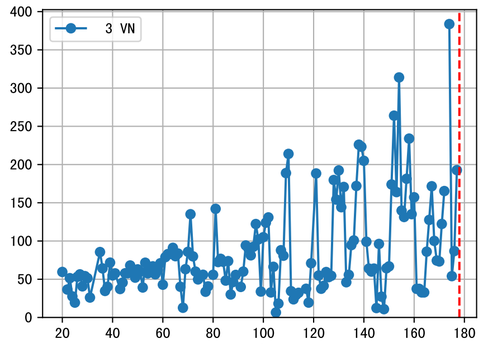

fgNum 2 (at_row =)
VI
VO
d

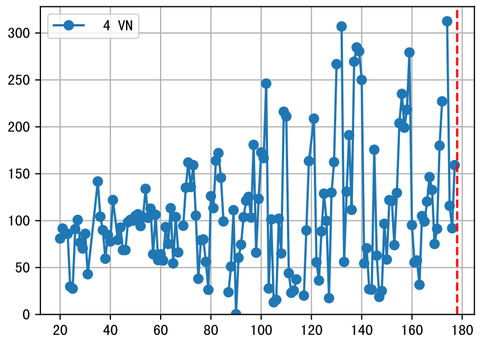

fgNum 3 (at_row = 40)
VI
VO
d

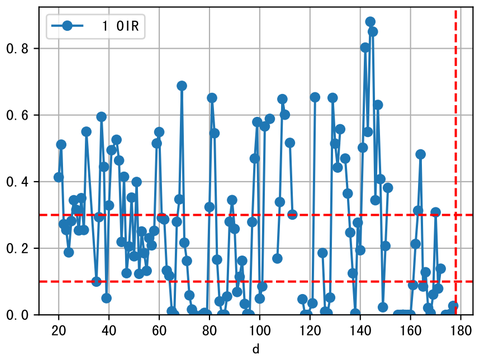

fgNum 4 (at_row =)
VI
VO
d

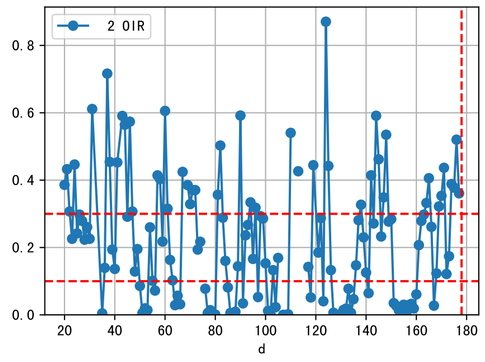

1 VN
d

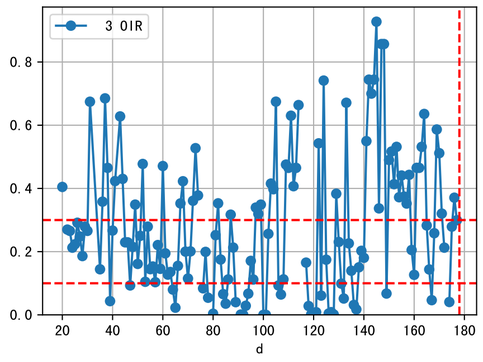

2 VN
d

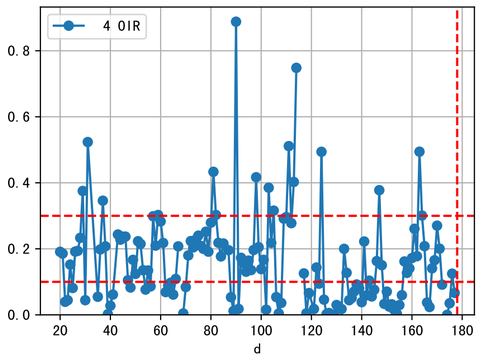

3 VN
d

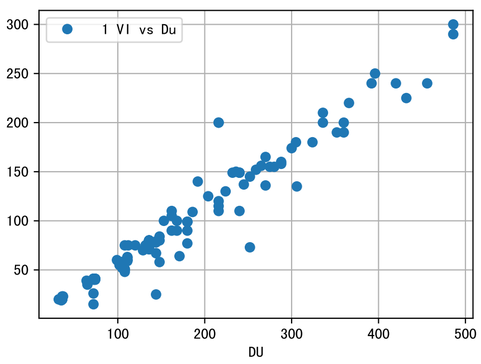

4 VN
d

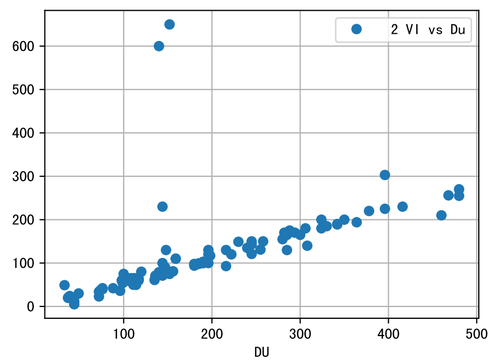

1 OIR
d

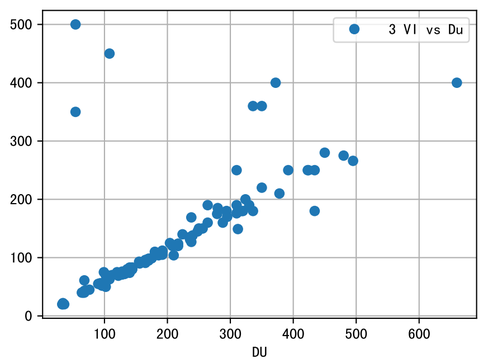

2 OIR
d

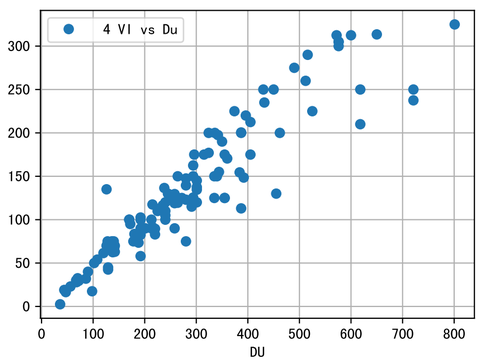

3 OIR
d

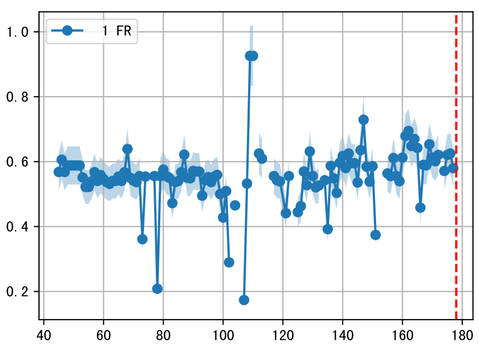

4 OIR
d

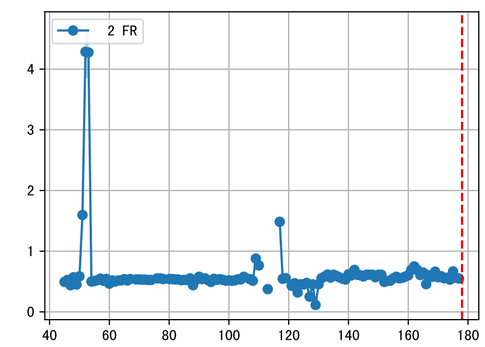

1 VI vs Du
DU

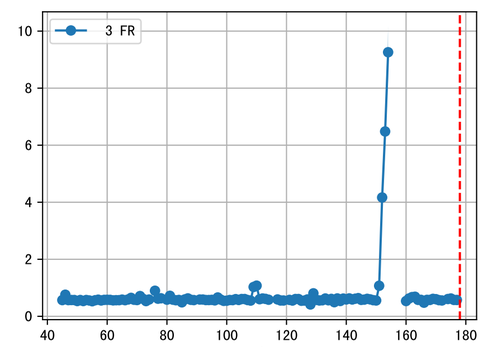

2 VI vs Du
DU

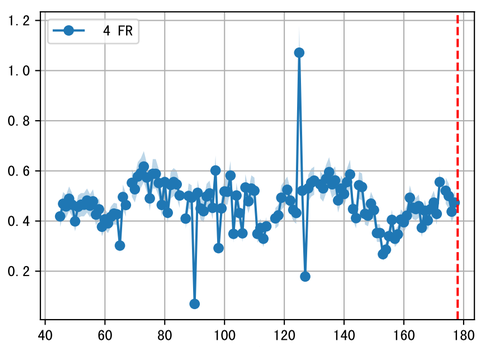

3 VI vs Du
DU

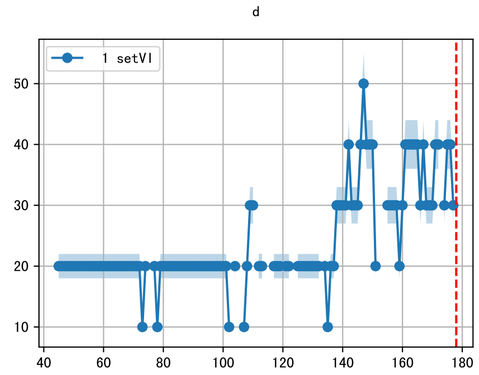

4 VI vs Du
DU

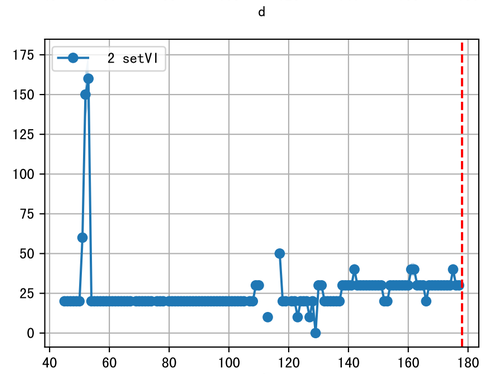

1 FR
d

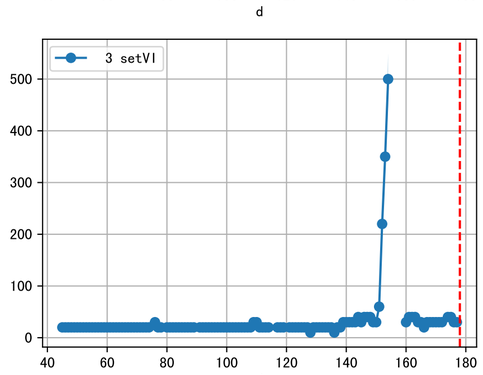

2 FR
d

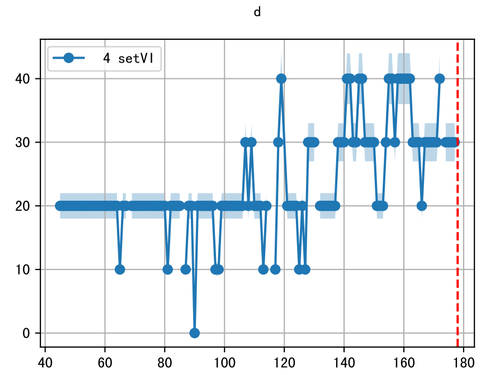

3 FR
d

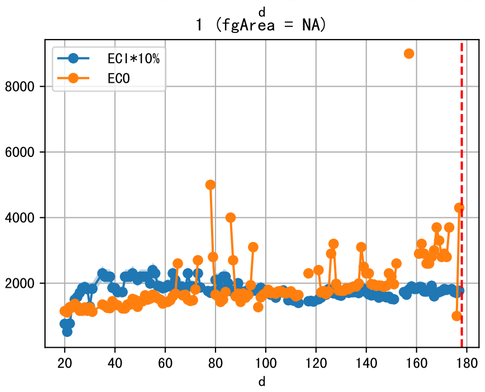

4 FR
d

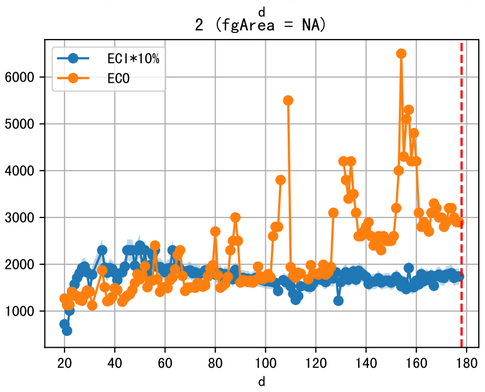

1 setVI
d

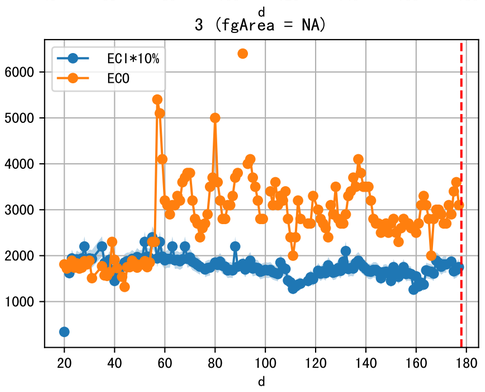

2 setVI
d

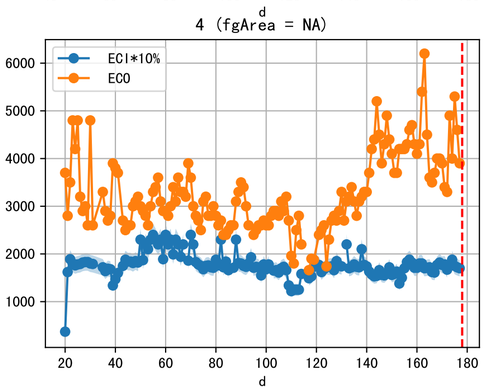

3 setVI
d

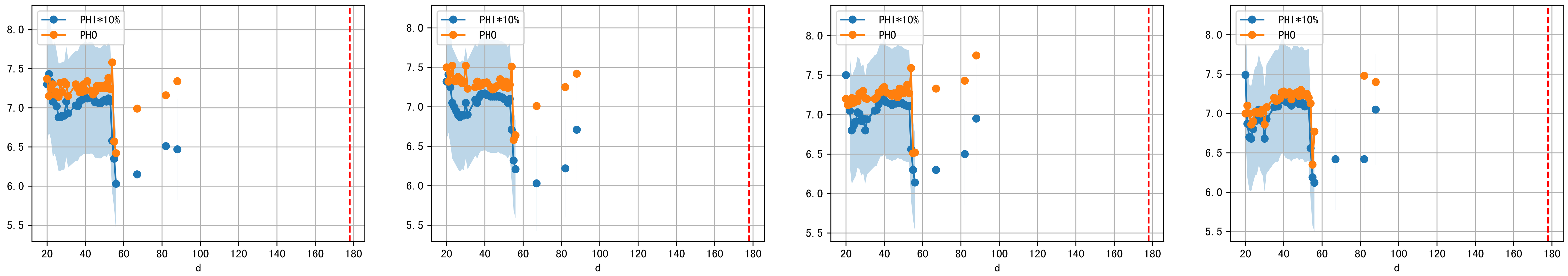

4 setVI
d

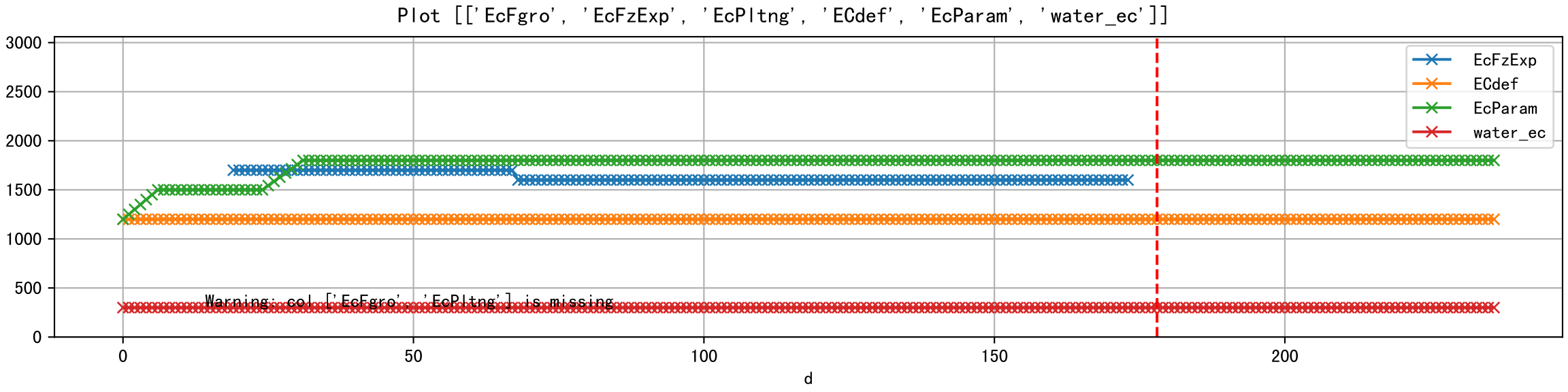

1 (fgArea = NA)
ECI*10%
ECO
d

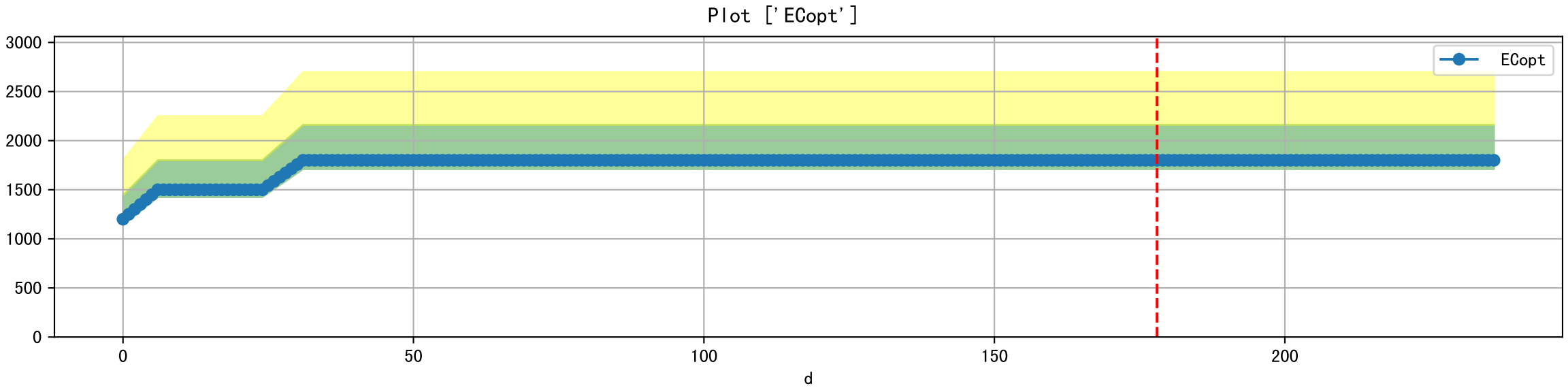

2 (fgArea = NA)
ECI*10%
ECO
d

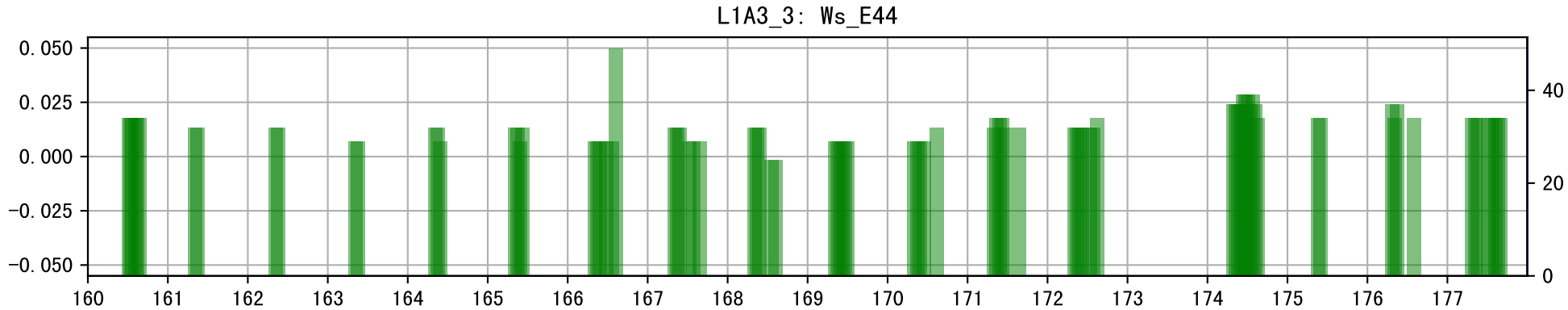

3 (fgArea = NA)
ECI*10%
ECO
d


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

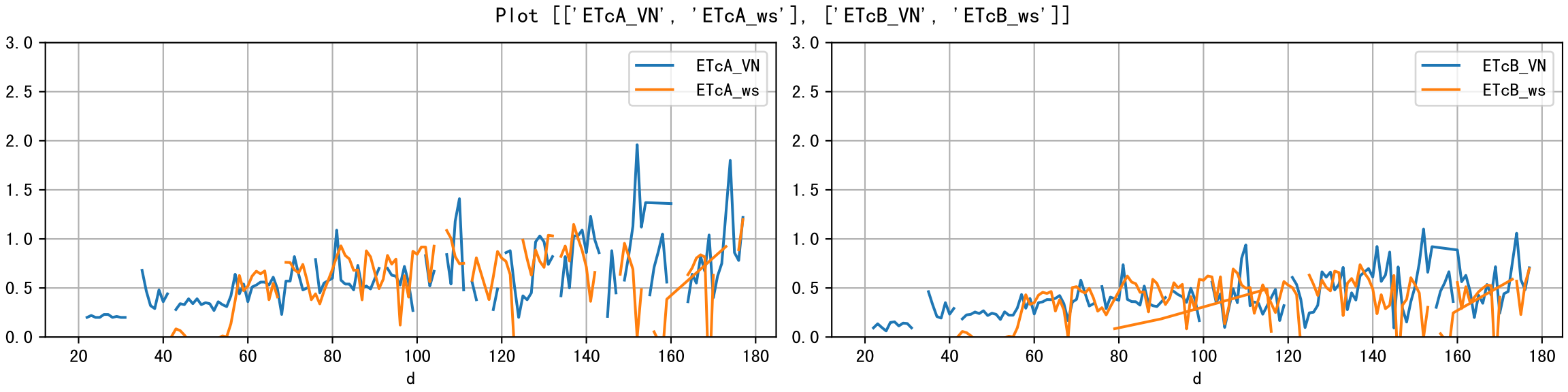

PHI*10%
PHO
d

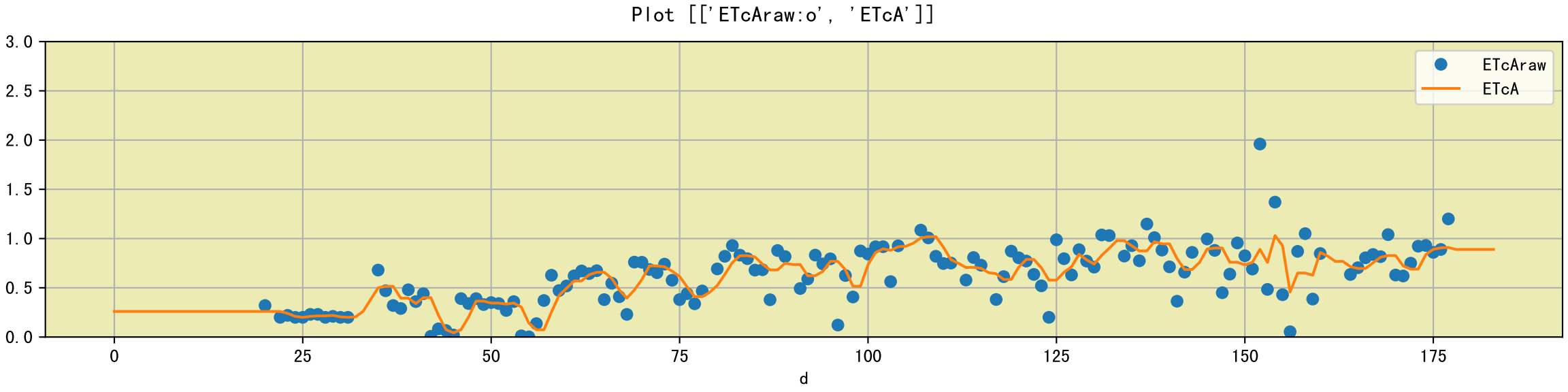

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
Warning: col ['EcFgro', 'EcPltng'] is missing
EcFzExp
ECdef
EcParam
water_ec
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

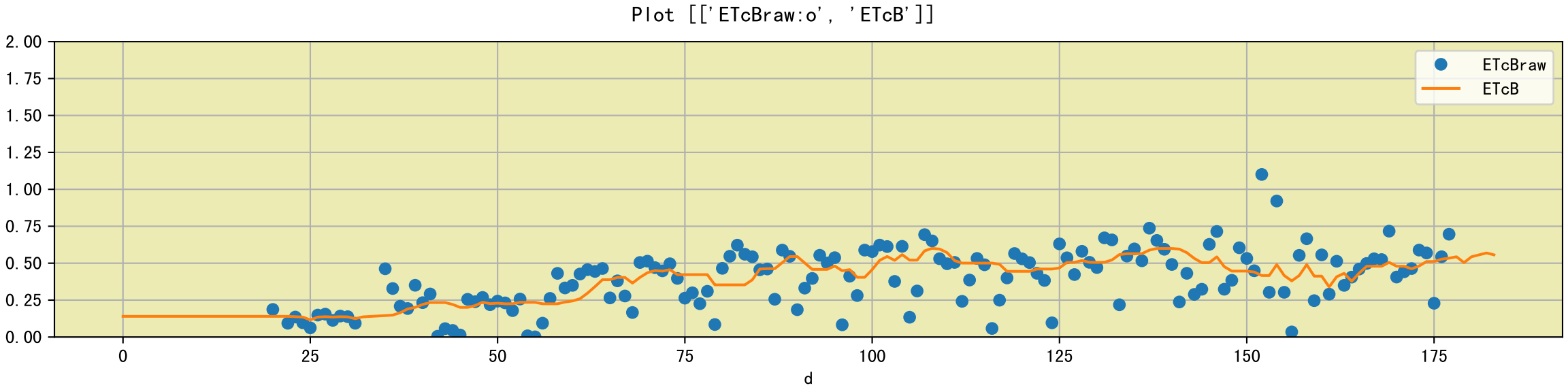

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
40
20
0
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177

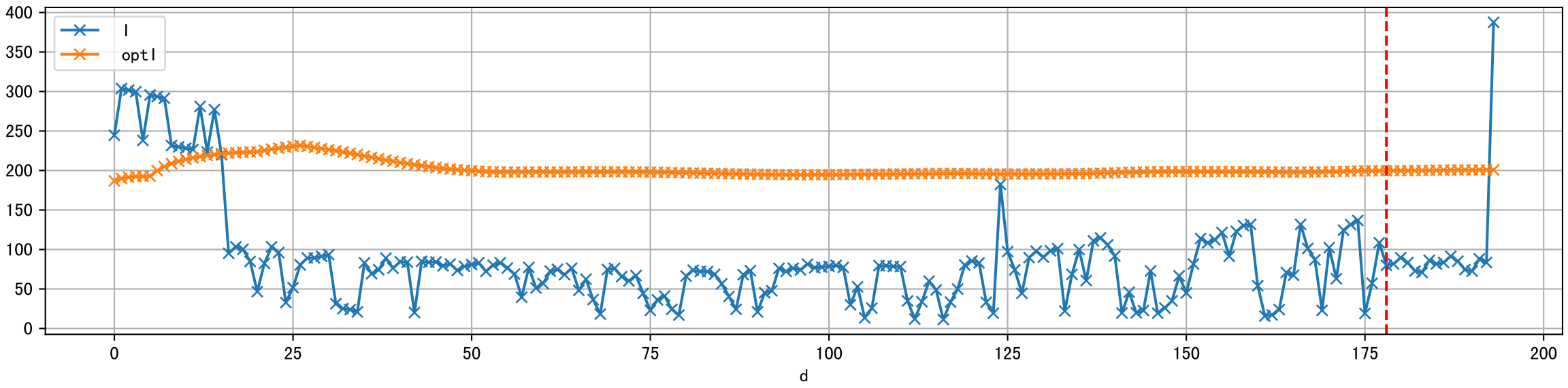
Plot Sensor and FgRec Data

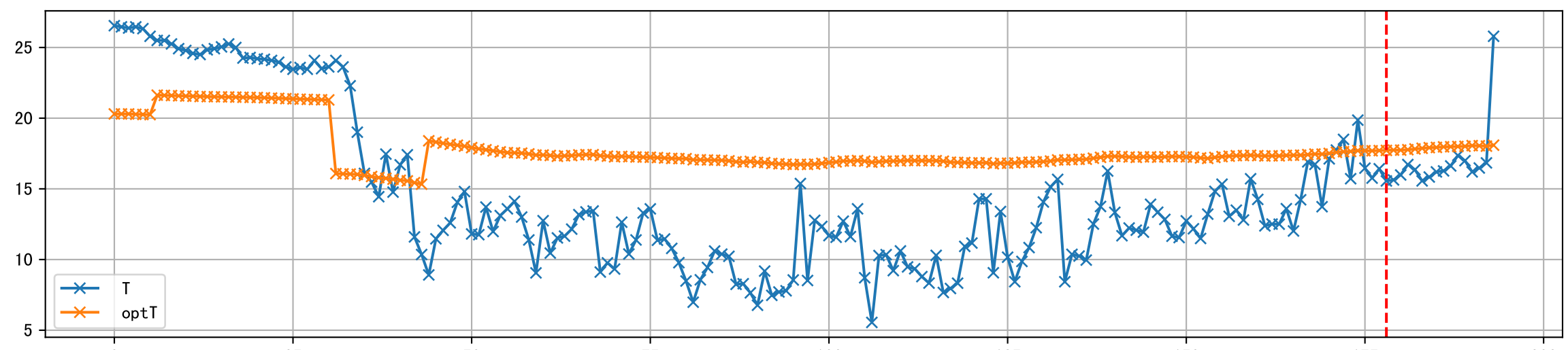

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
d
d
0.0
0.5
1.0
1.5
2.0
2.5
3.0
20
40
60
80
100
120
140
160
180

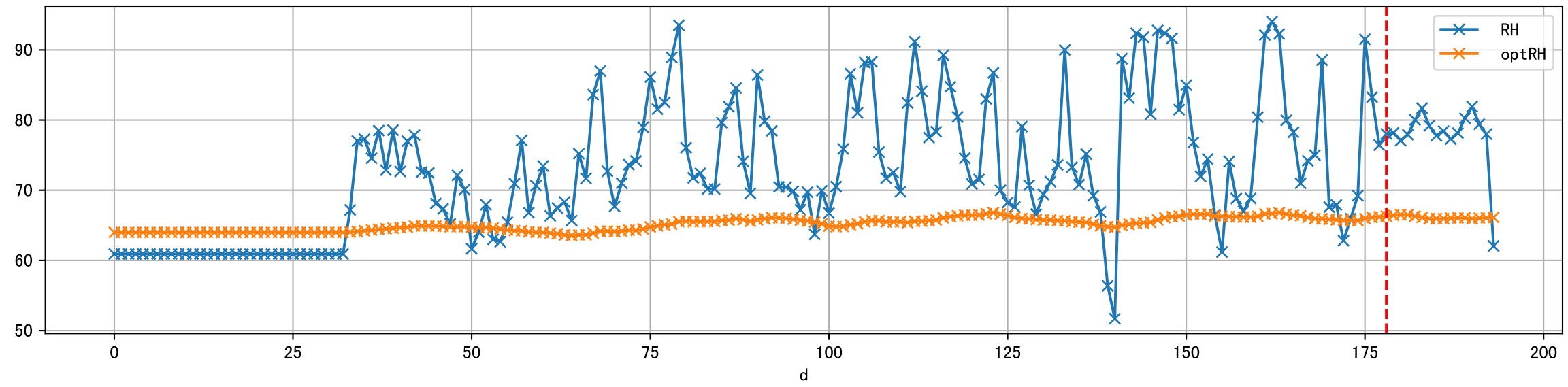

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

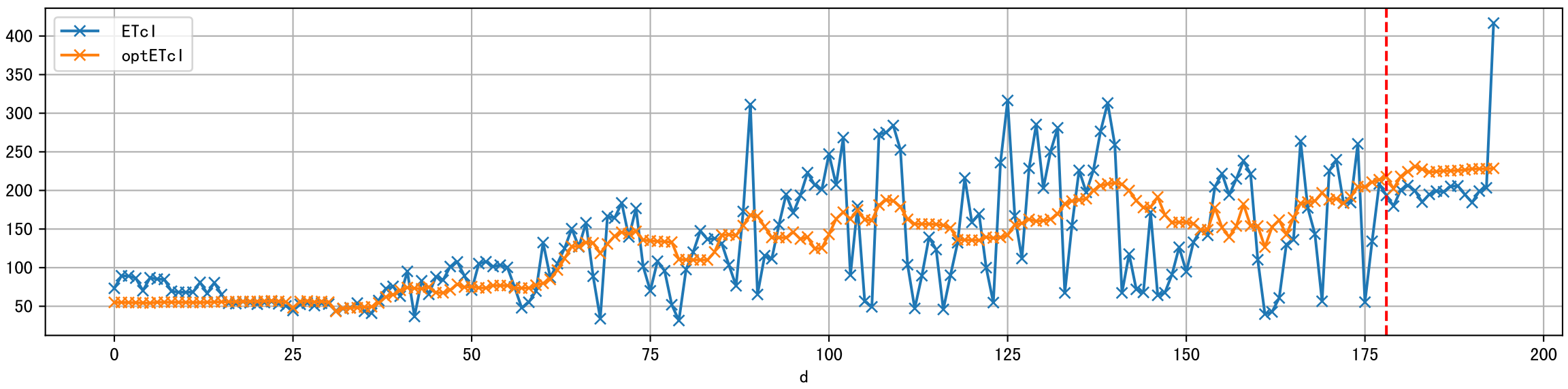

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

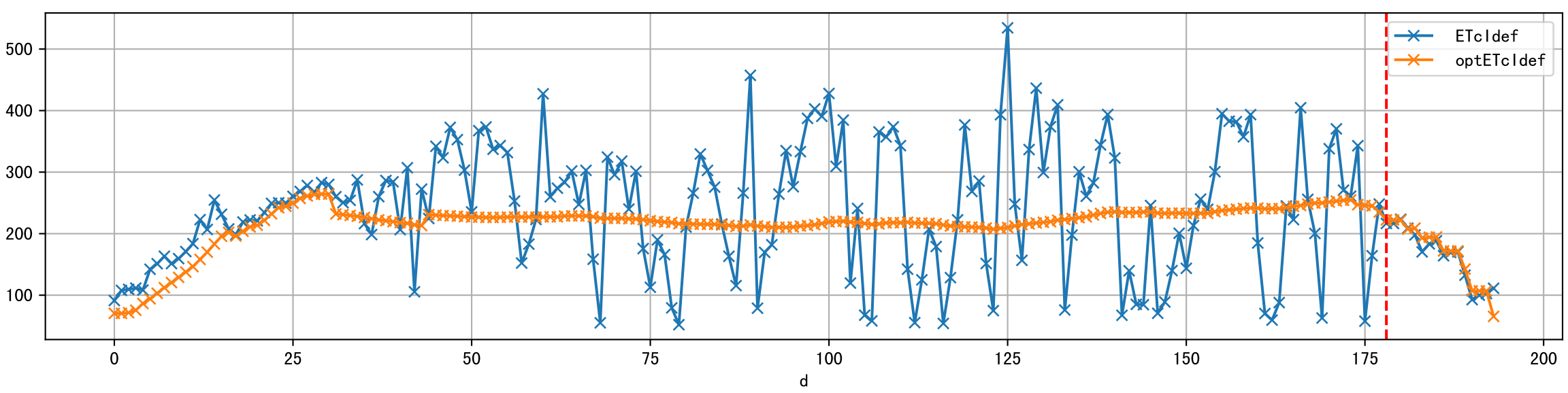
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

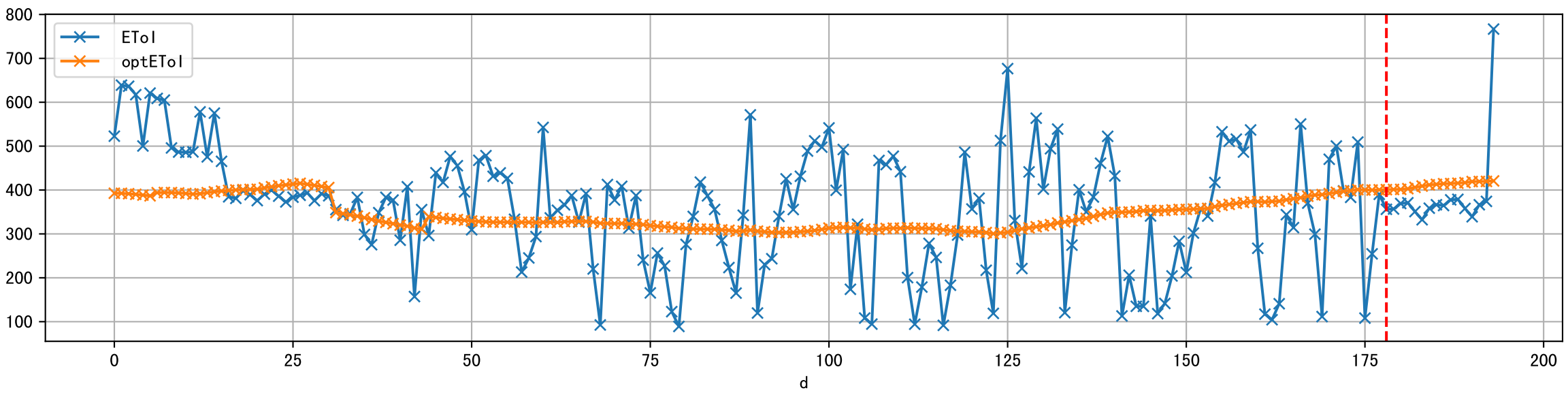


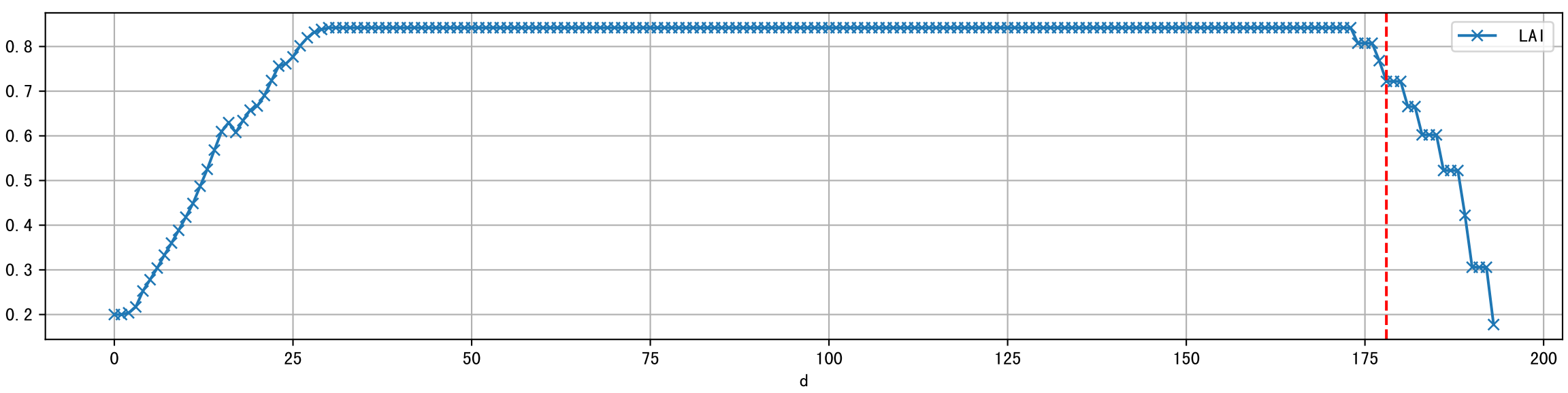


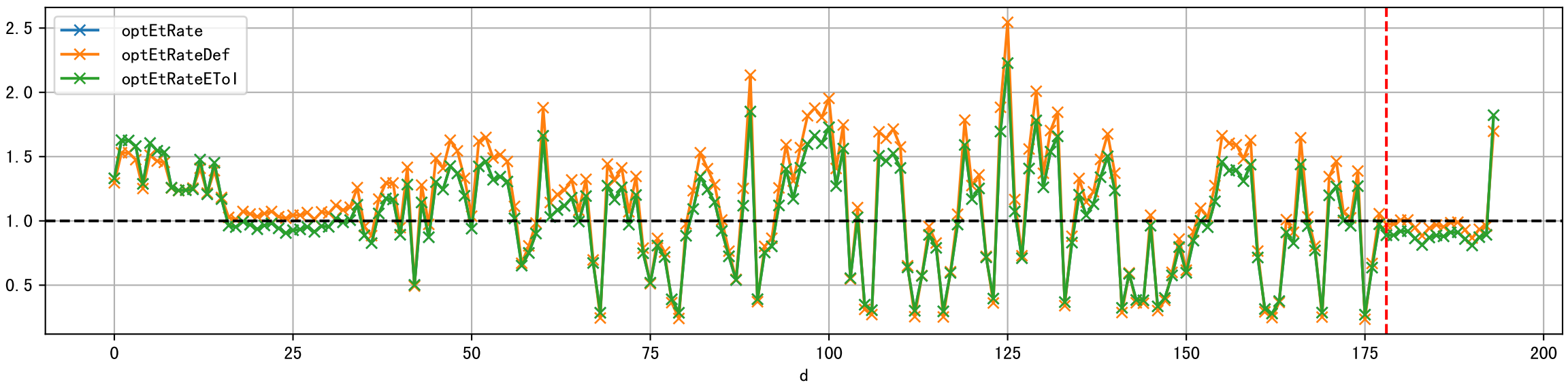


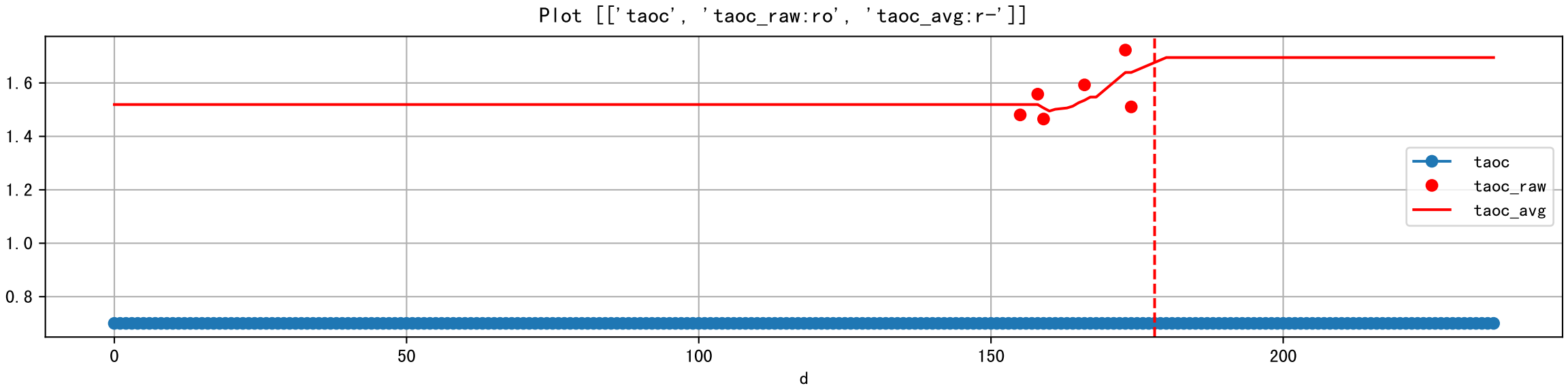


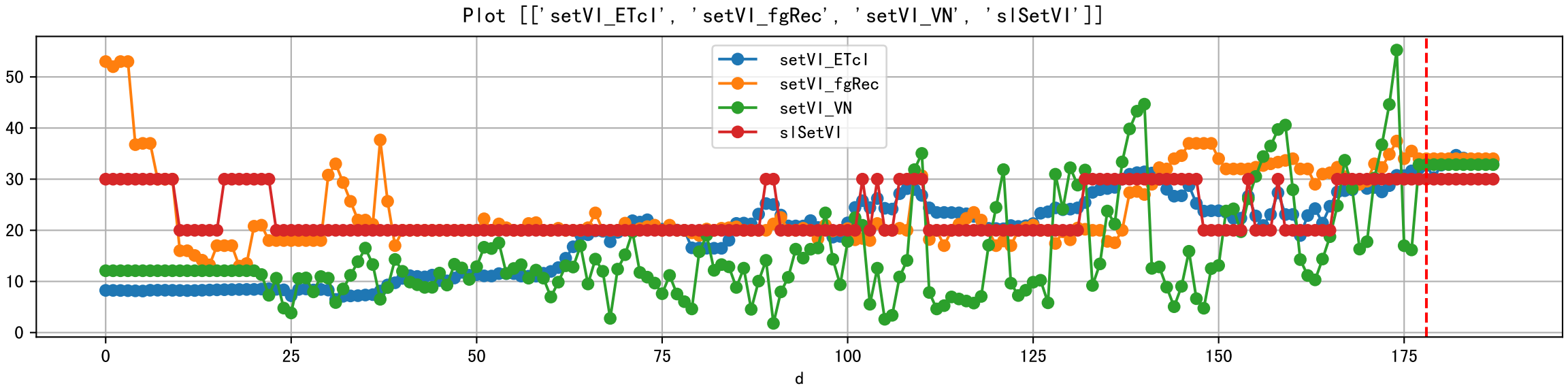


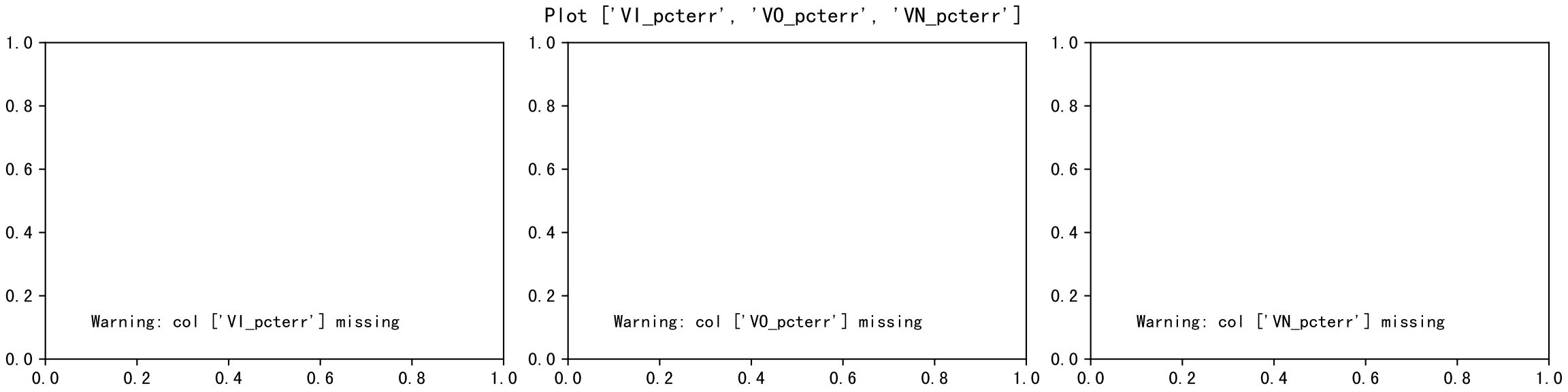


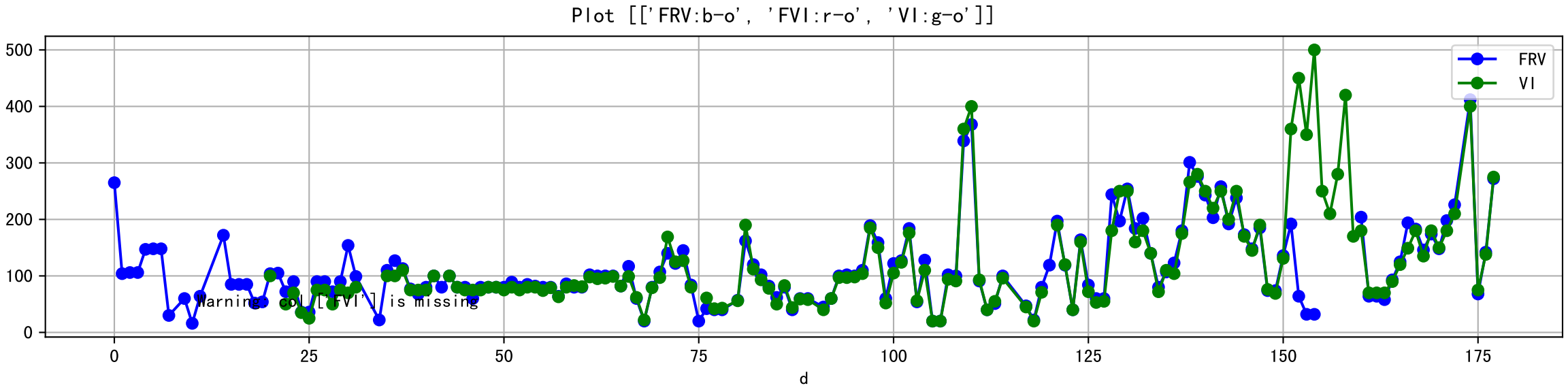


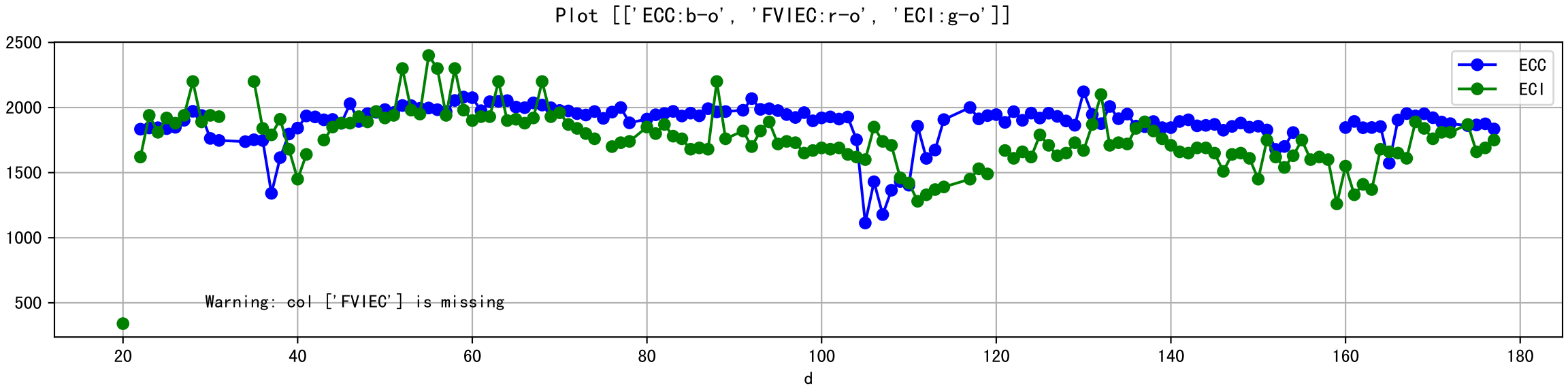


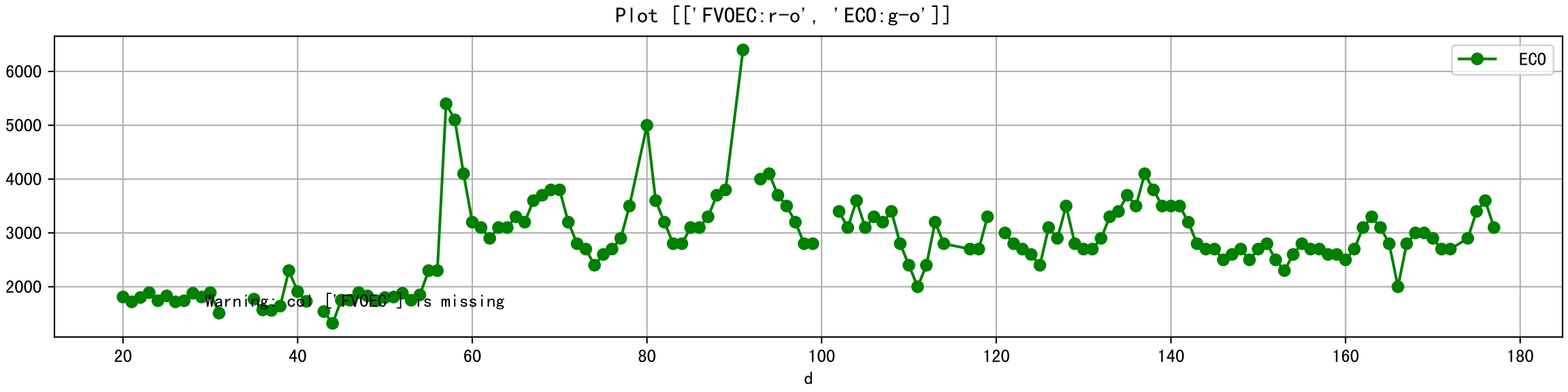

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
1.6
1.4
1.2
1.0
0.8
0
50
100
150
200
d
taoc
taoc_raw
taoc_avg

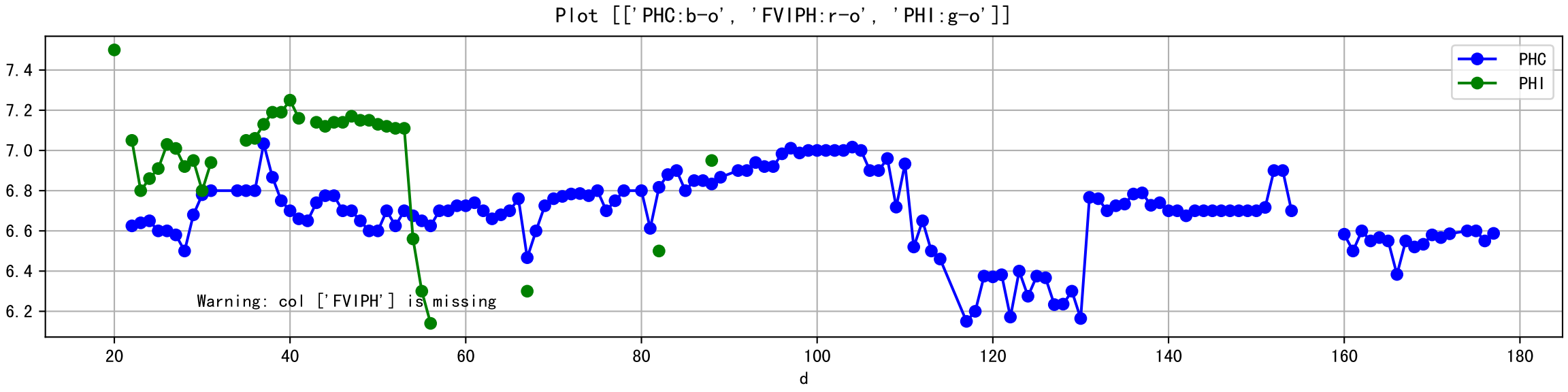

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
25
50
75
100
125
150
175
d

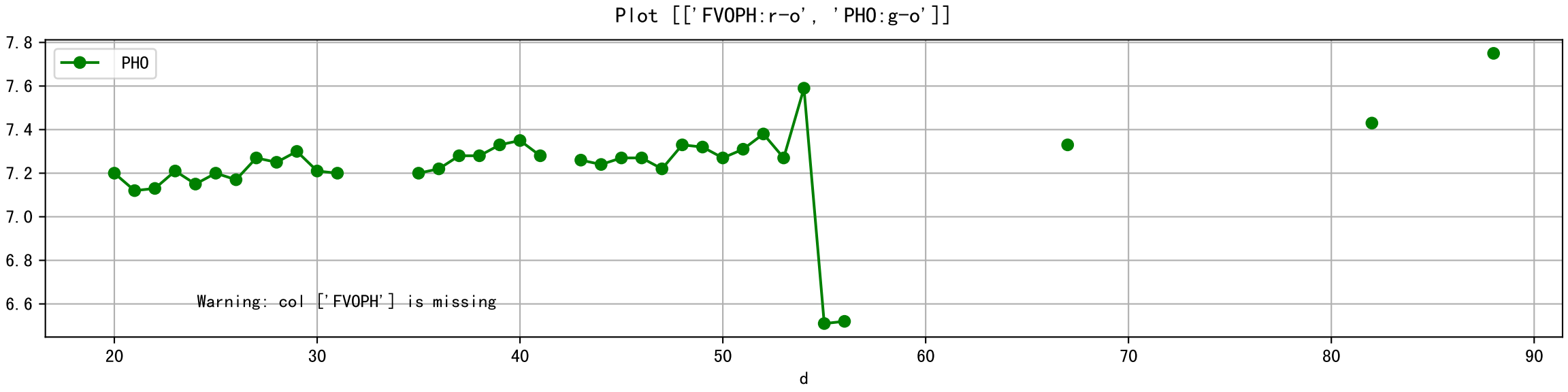

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

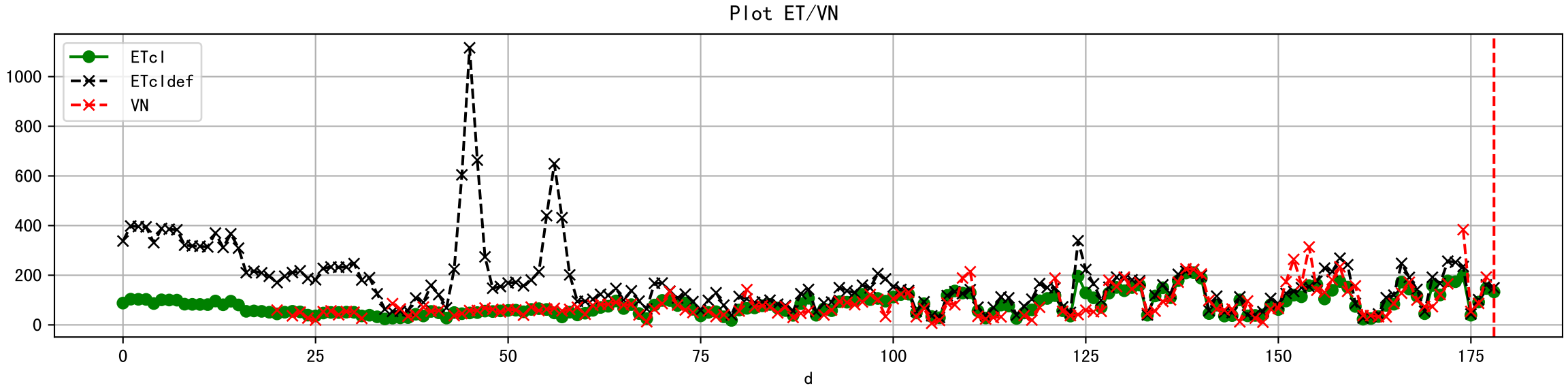

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning col ['FVI'] is missing
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d

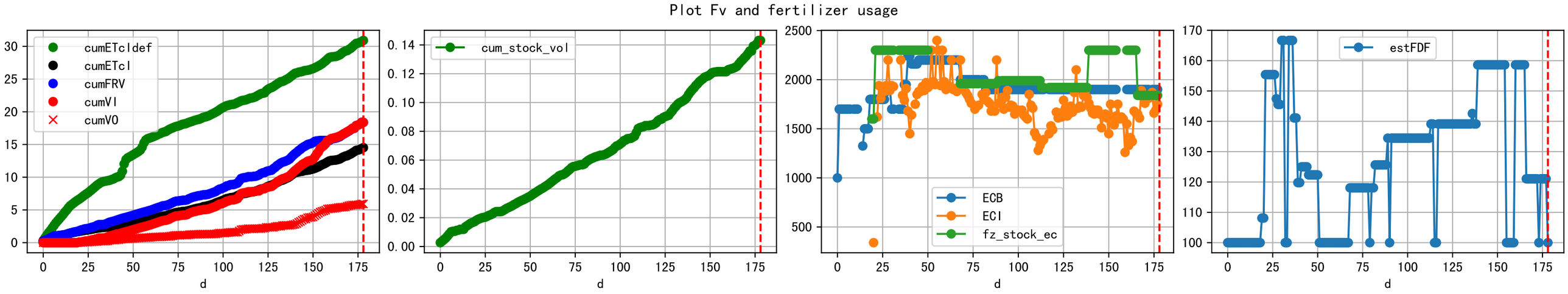

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160
180
d
ECC
ECI
Warning: col ['FVIEC'] is missing

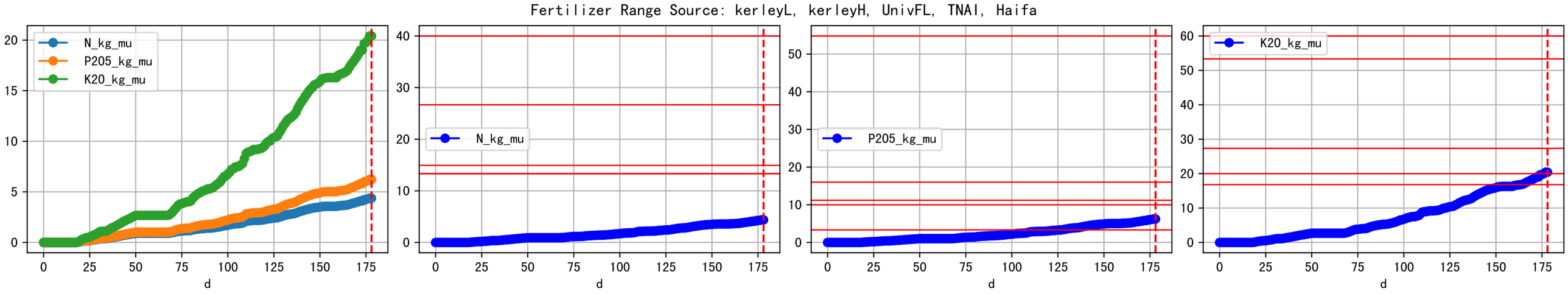

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
160
180
d

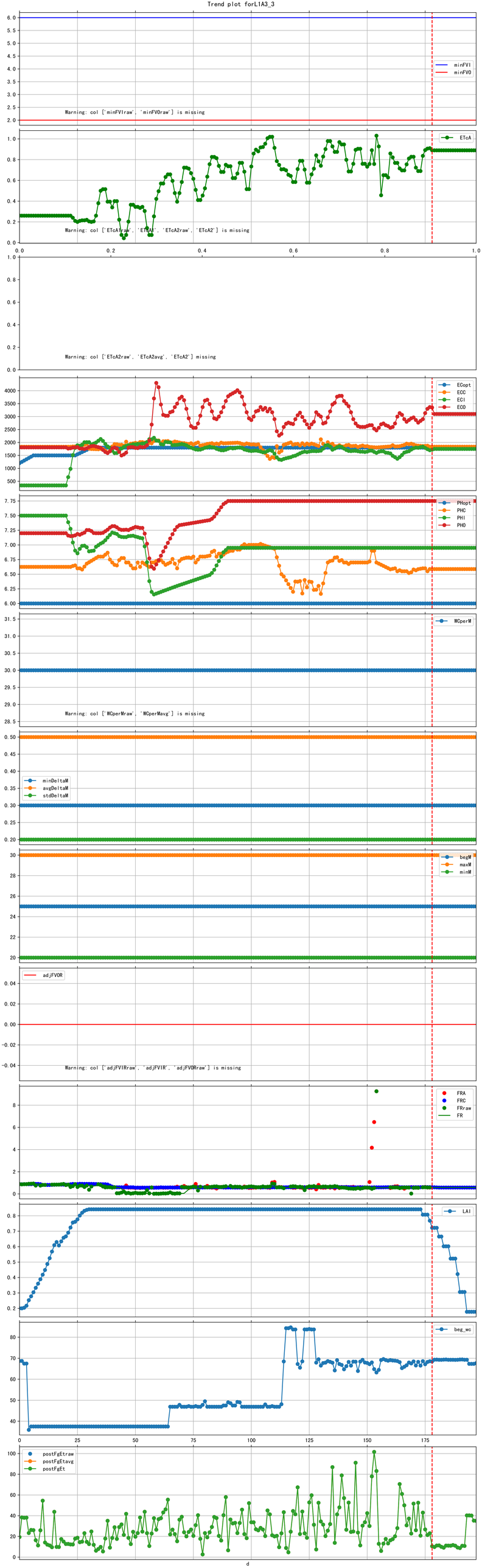

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
160
180
d

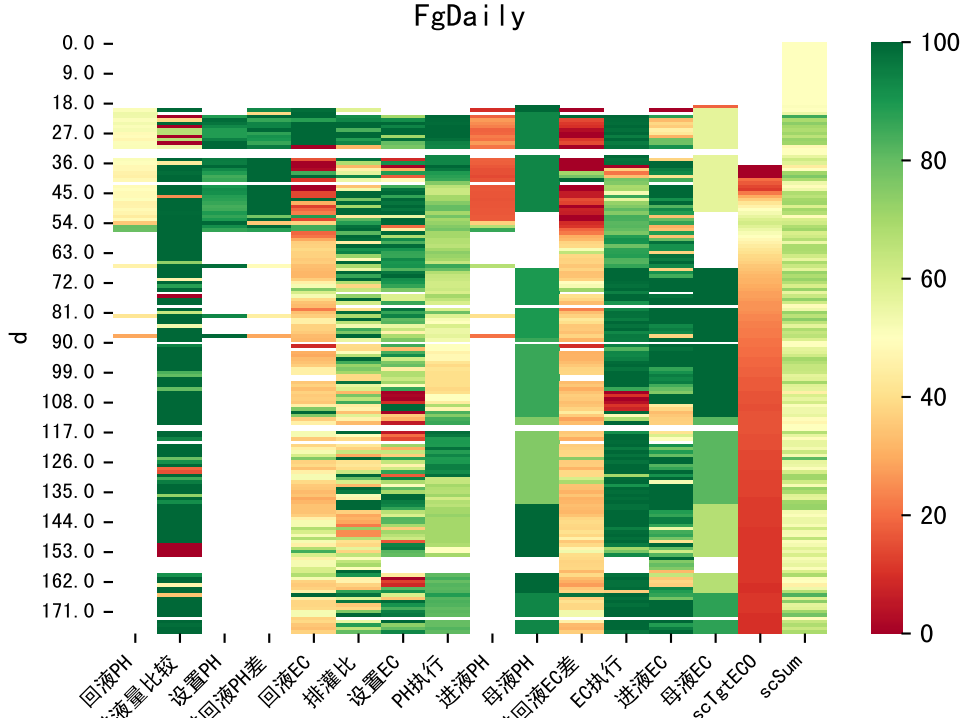

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d


Plot ET/VN
ETcl
ETcldef
VN
1000
800
600
400
200
0
0
25
50
75
100
125
150
175
d

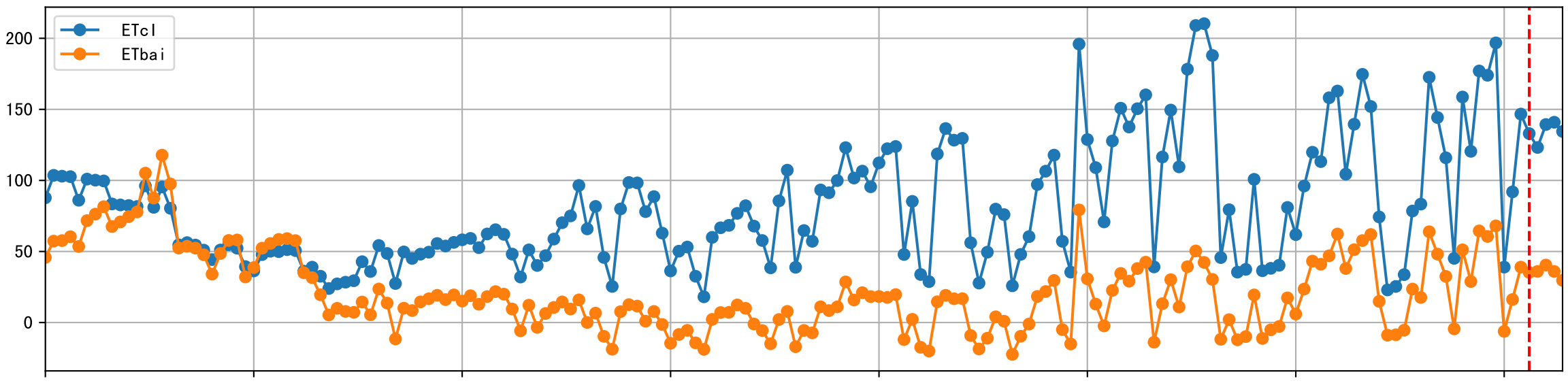

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
d
cum_stock_vol
d
ECB
ECI
fz_stock_ec
d
estFDF
d

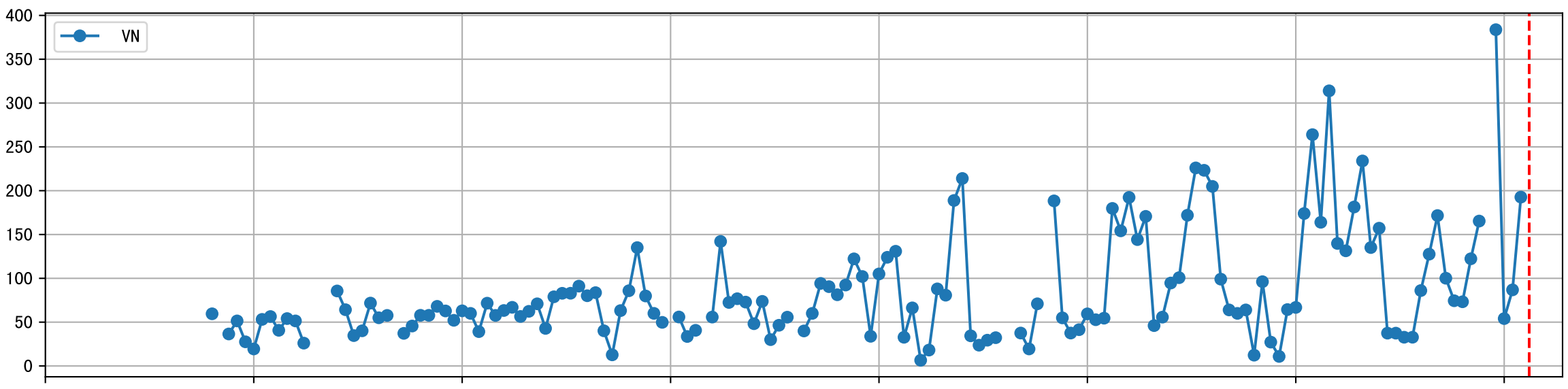

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

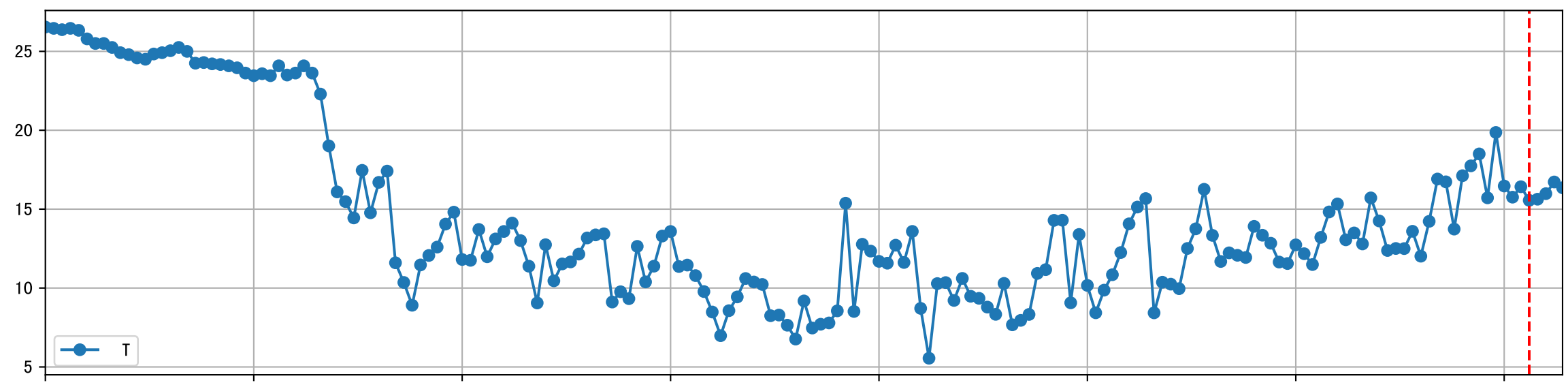

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcAraw', 'ETcAa', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

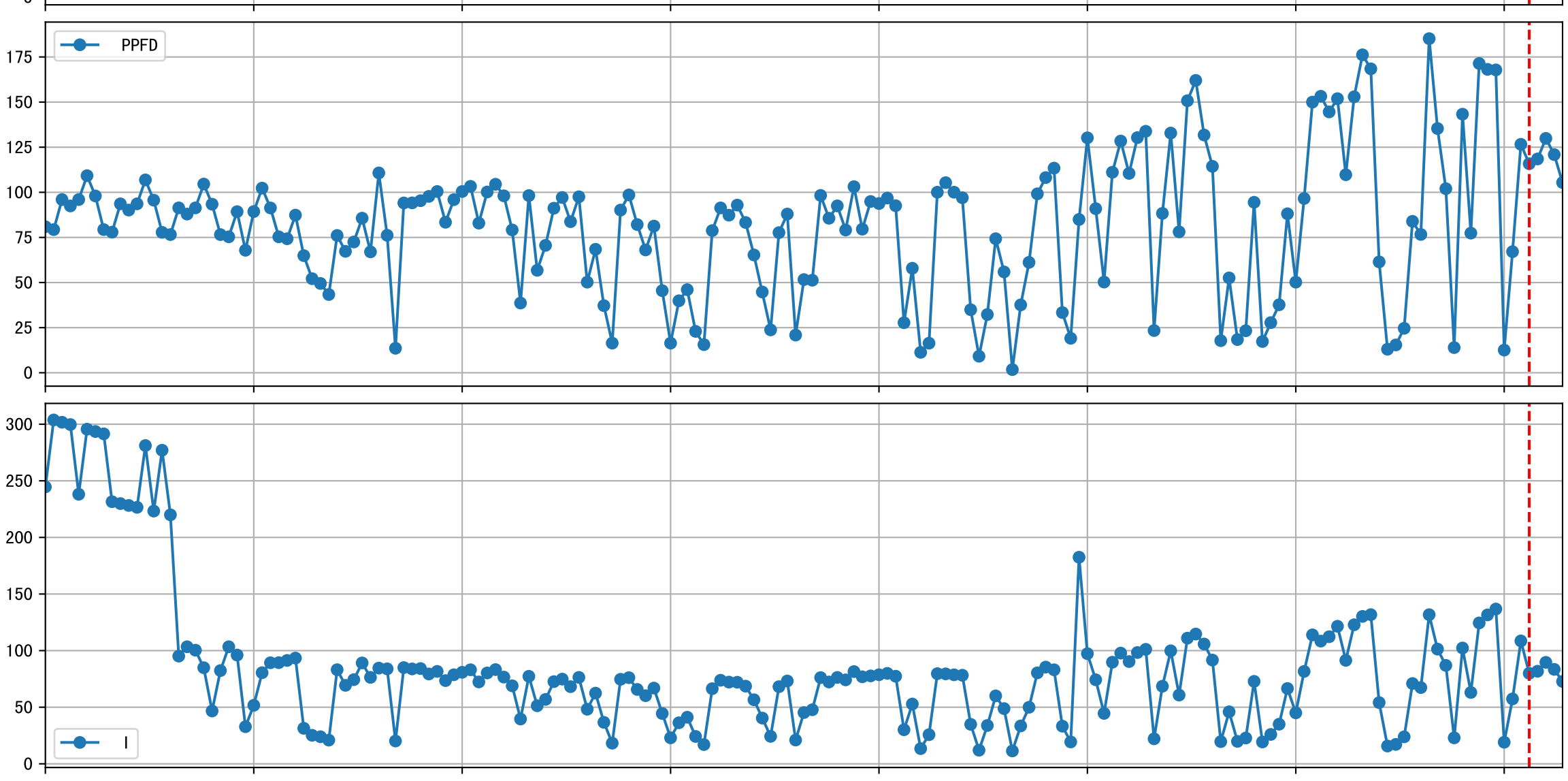

FgDaily
d
0.0
9.0
18.0
27.0
36.0
45.0
54.0
63.0
72.0
81.0
90.0
99.0
108.0
117.0
126.0
135.0
144.0
153.0
162.0
171.0
回液PH
设置PH
回液PH差
回液EC
排灌比
设置EC
PH执行
进液PH
母液PH
回液EC差
EC执行
进液EC
母液EC
scSum
100
80
60
40
20
0

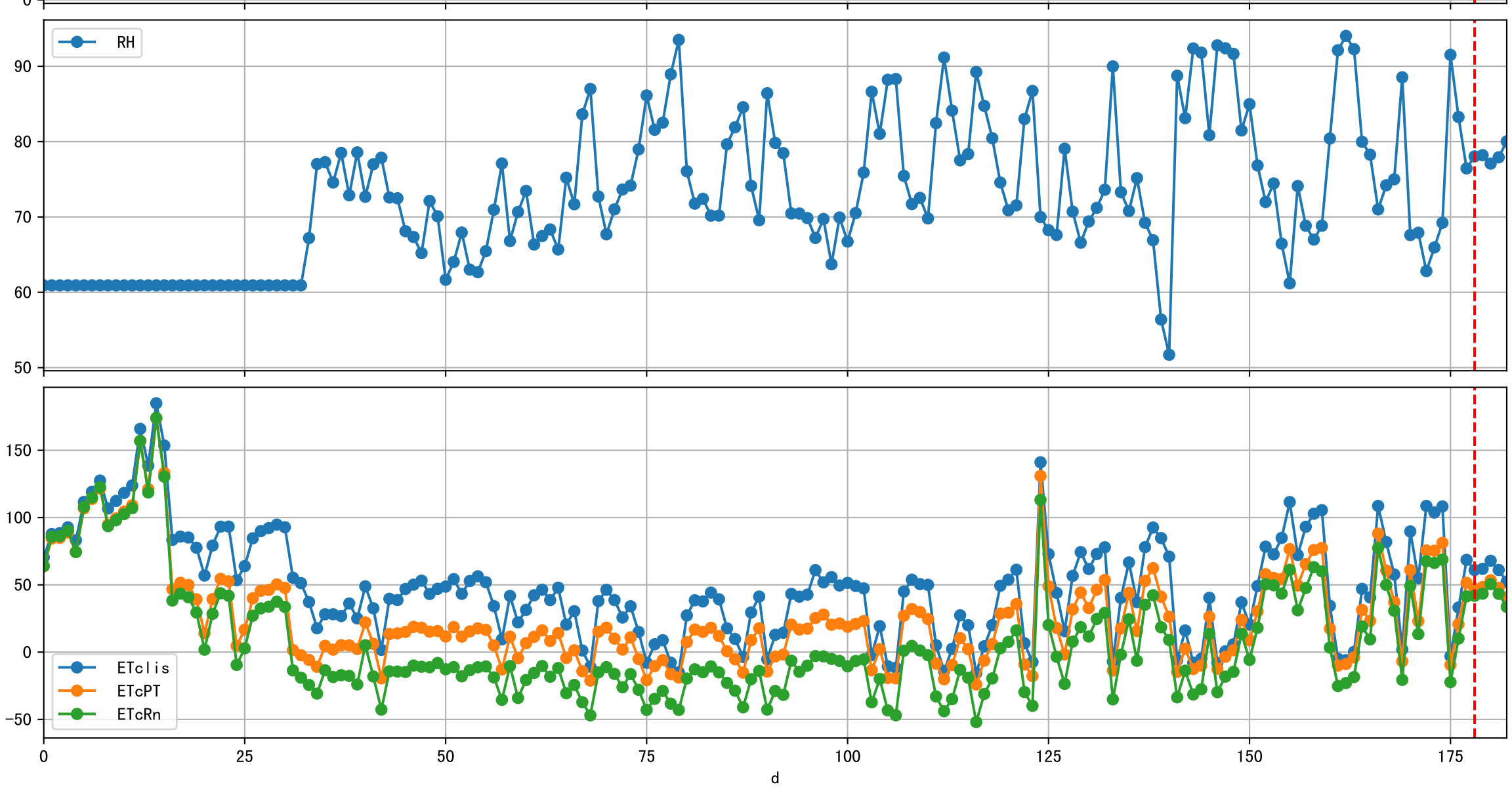
L1A3_3

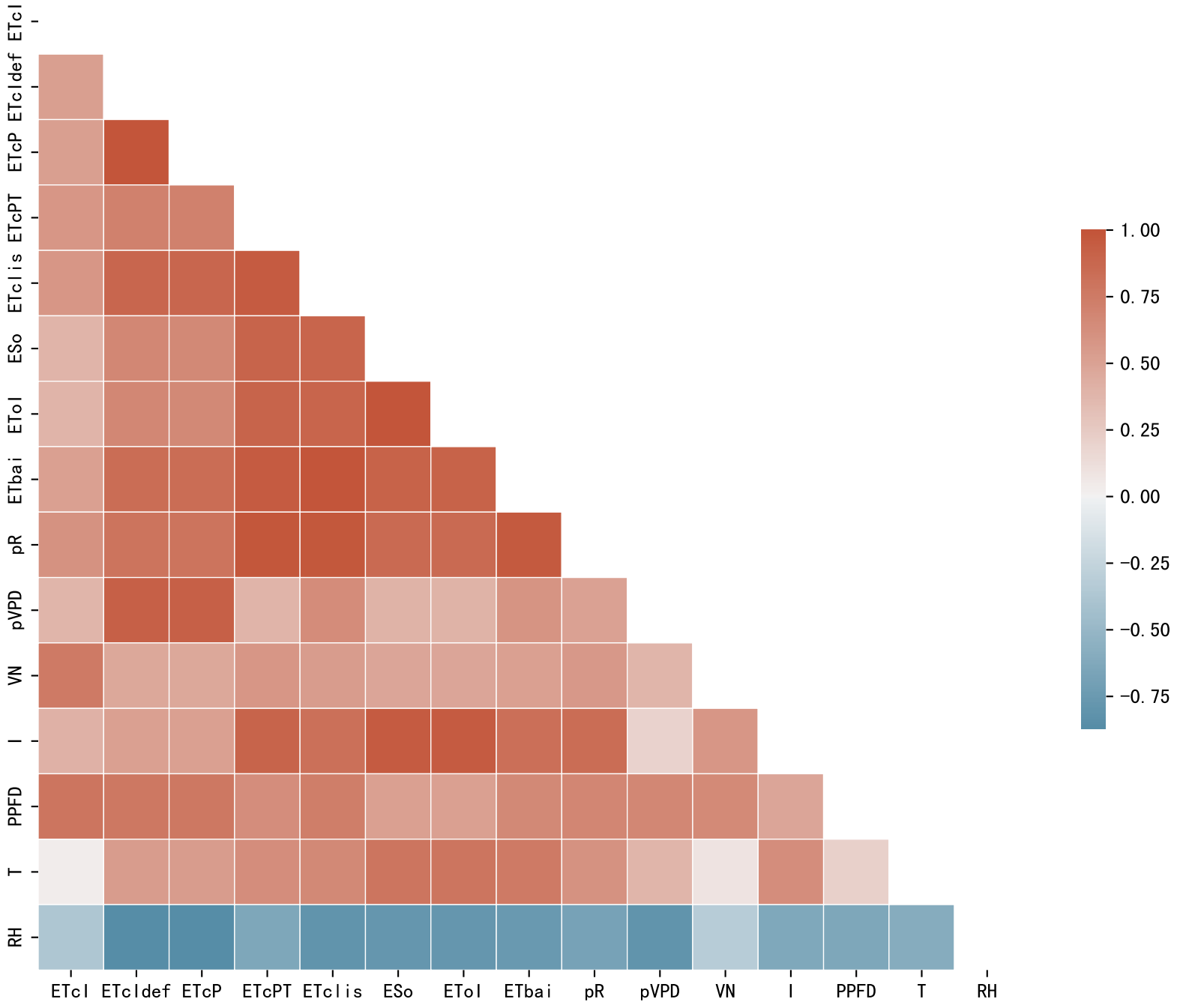


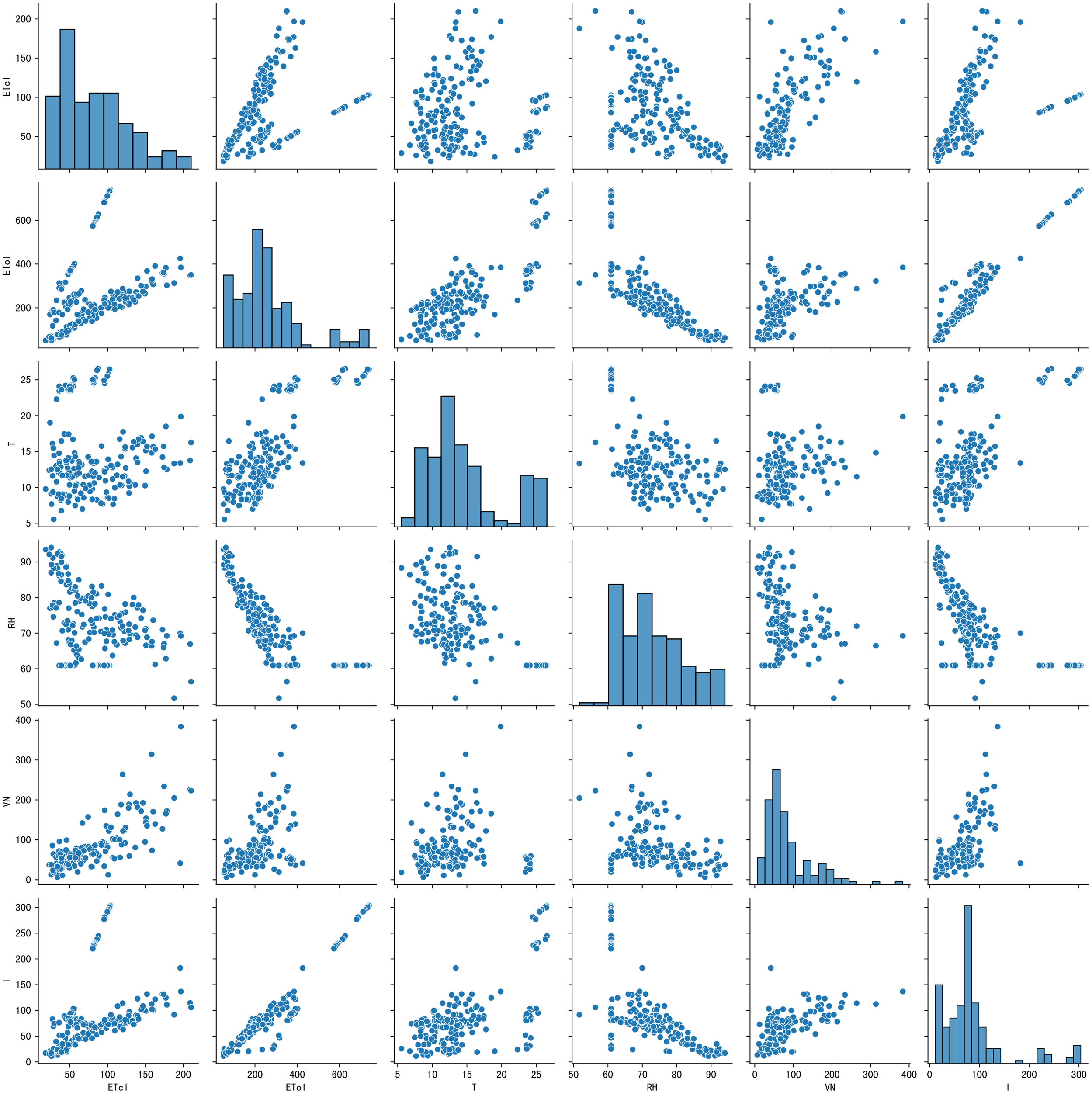


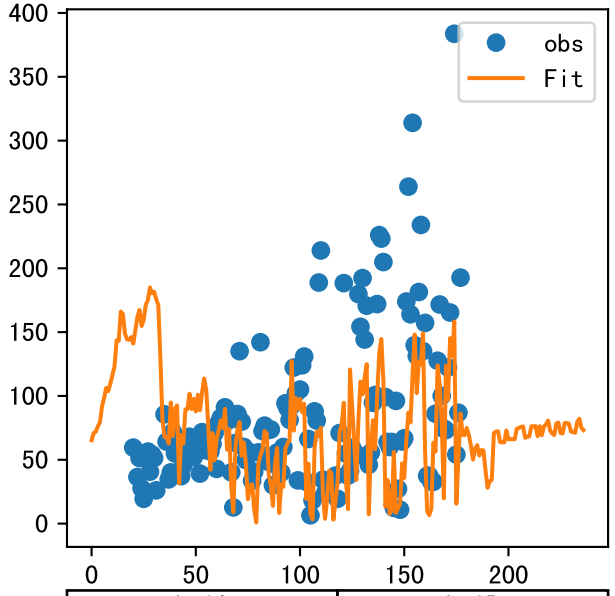


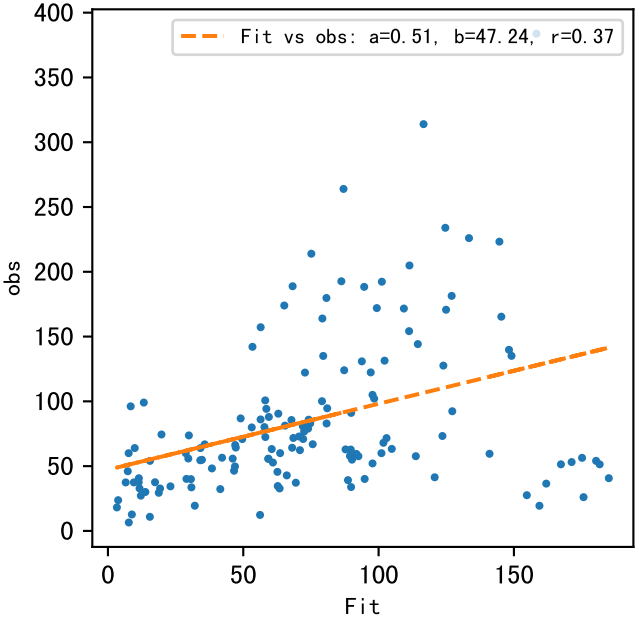




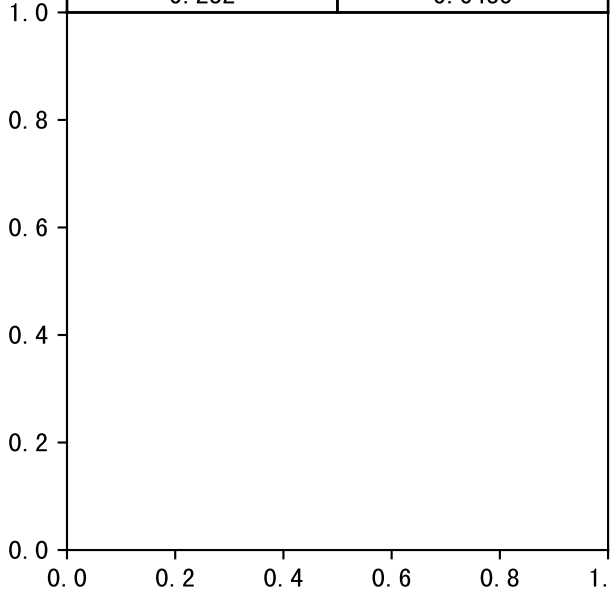

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

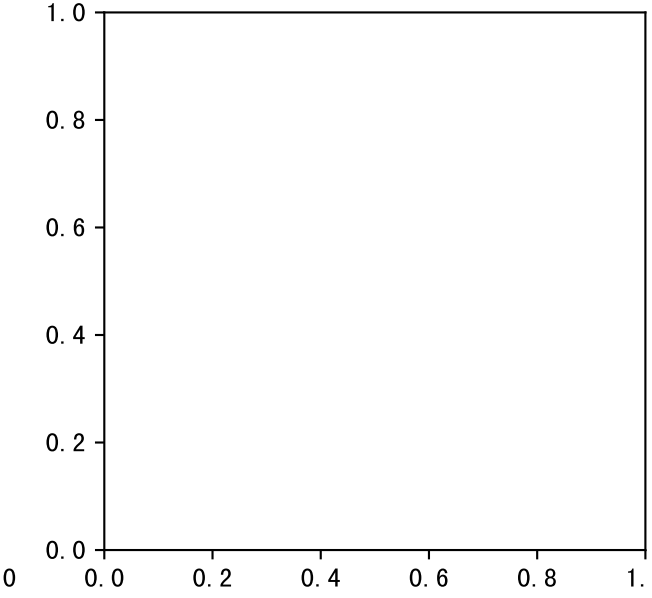

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

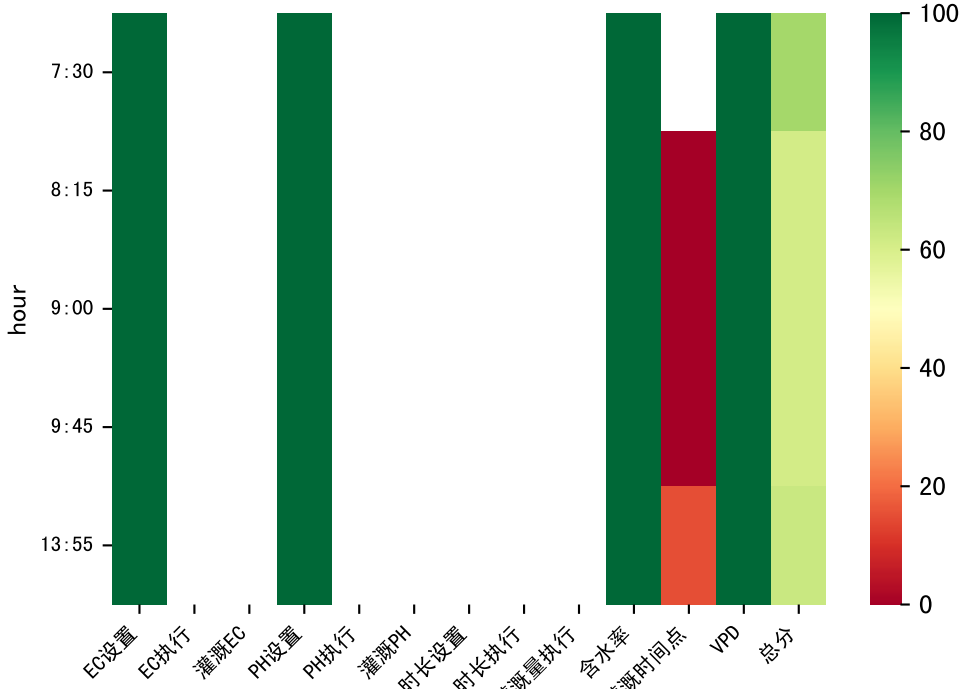




baiA	baiB
0.232	0.0435

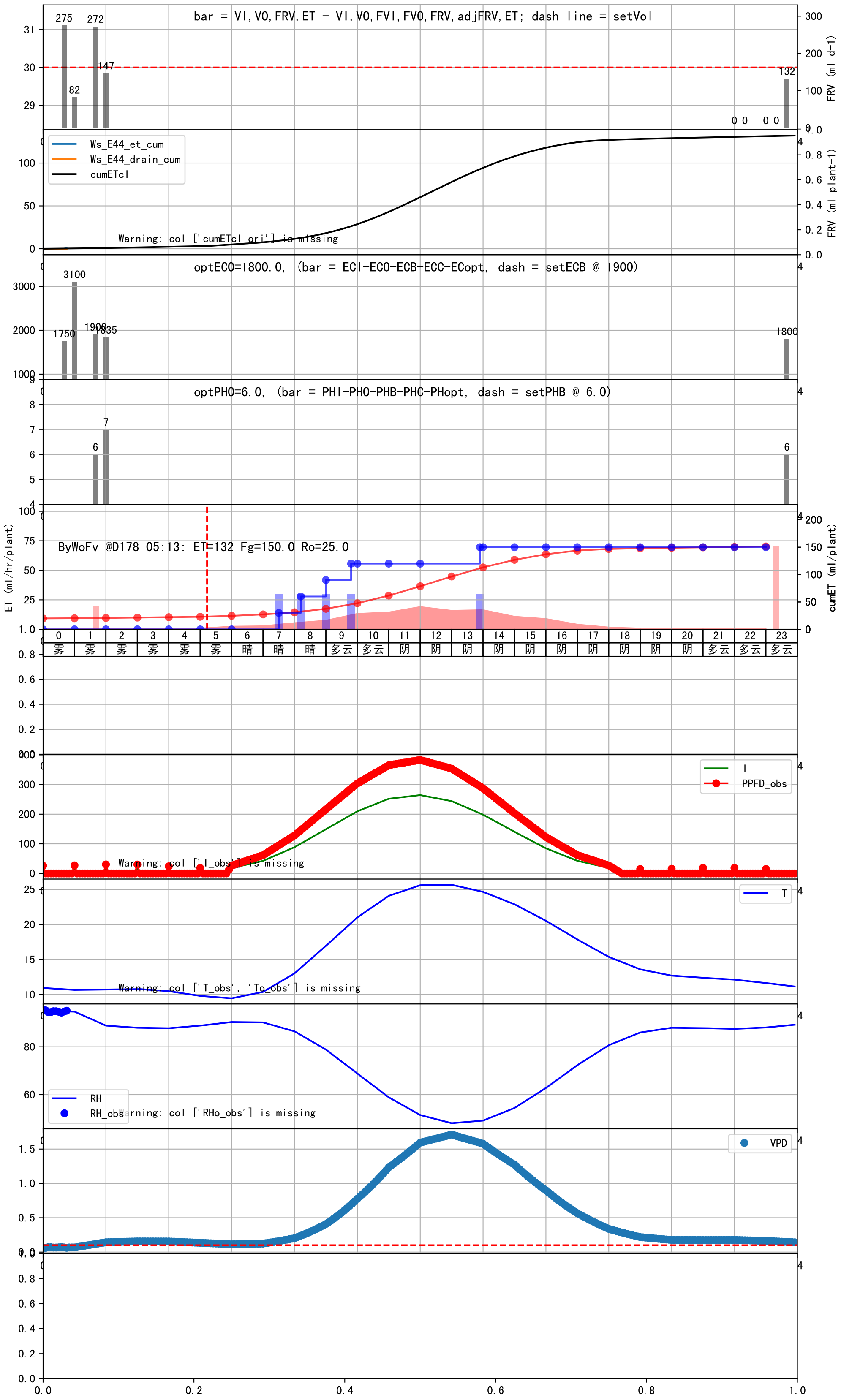


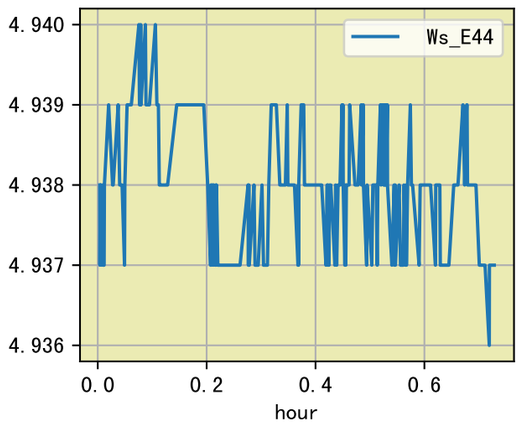


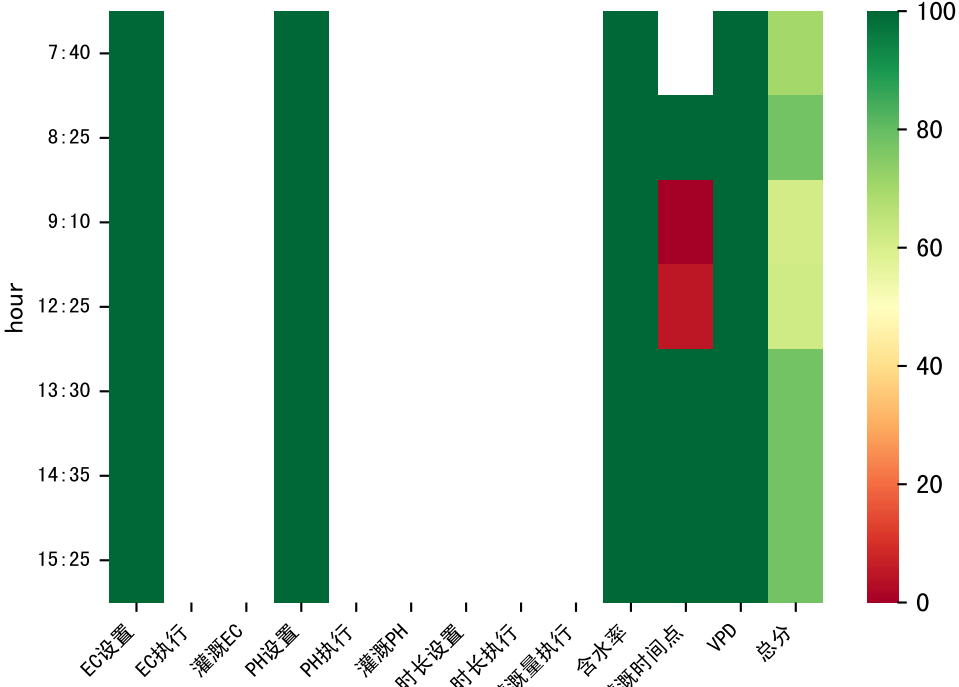

hour
7:30
8:15
9:00
9:45
13:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
30	60	30.0	0.122	晴	待执行 (未预测) 自主（未用进回液传感器）（预期回液 无）
15	60	30.0	0.122	晴	假设 自主（未用进回液传感器）（预期回液 无）
00	60	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 1 ml/株）
45	60	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 24 ml/株）
55	60	30.0	0.122	阴	假设 自主（未用进回液传感器）（预期回液 无）
计	300.0 (5次)	150.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=178 (2026-04-02)

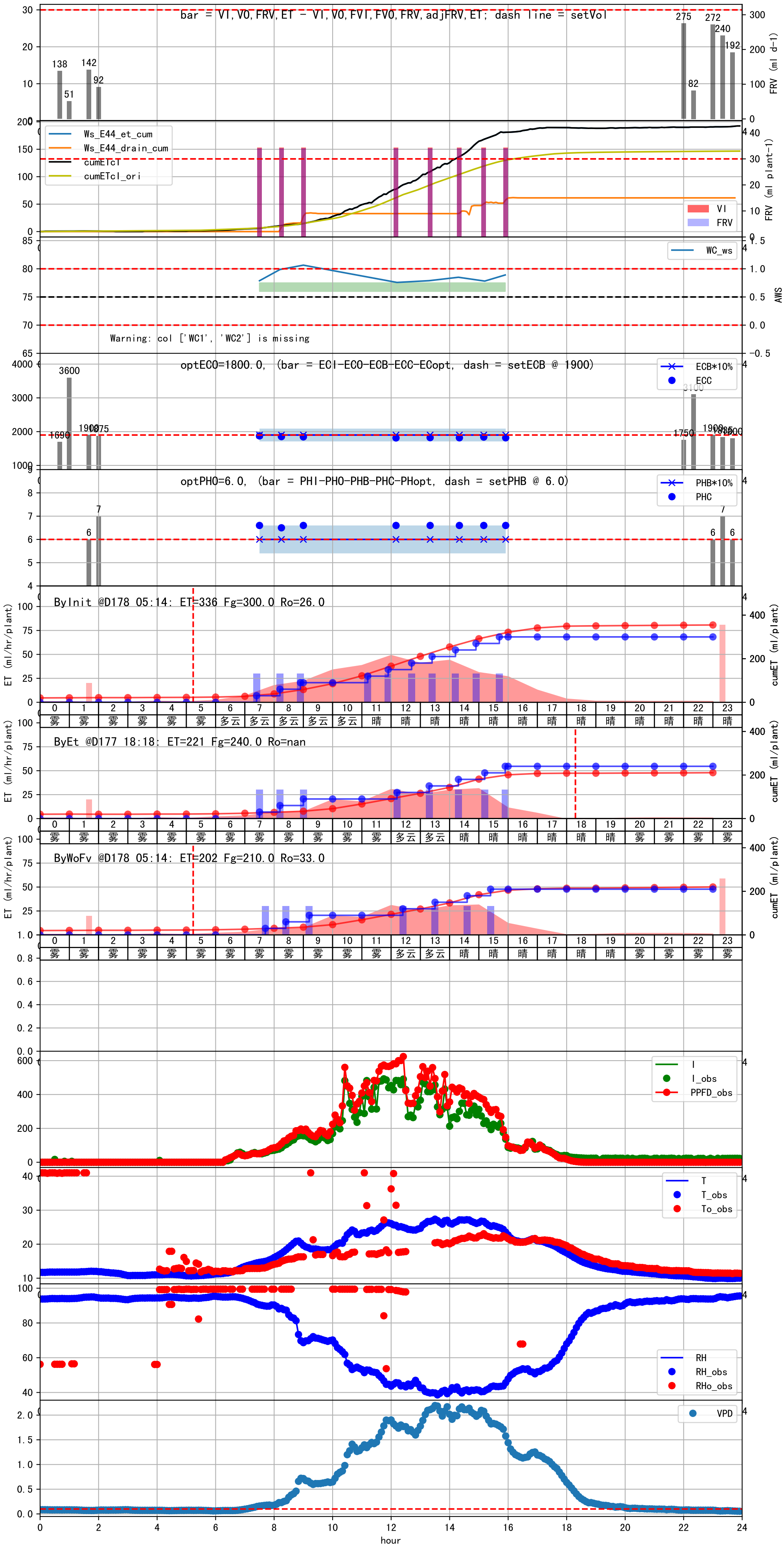


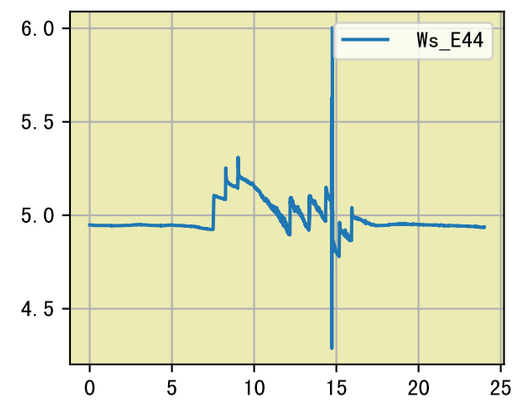

Ws_E44
4. 940
4. 939
4. 938
4. 937
4. 936
0. 0
0. 2
0. 4
0. 6
hour

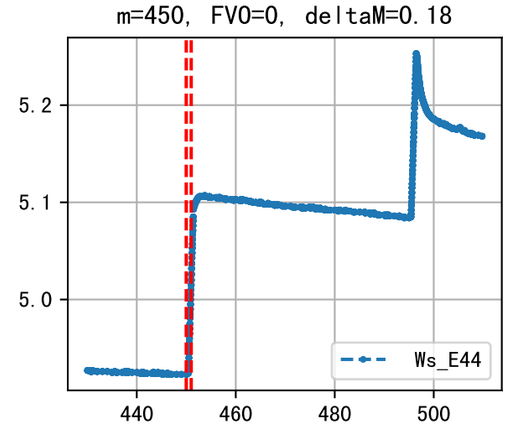

hour
7:40
8:25
9:10
12:25
13:30
14:35
15:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

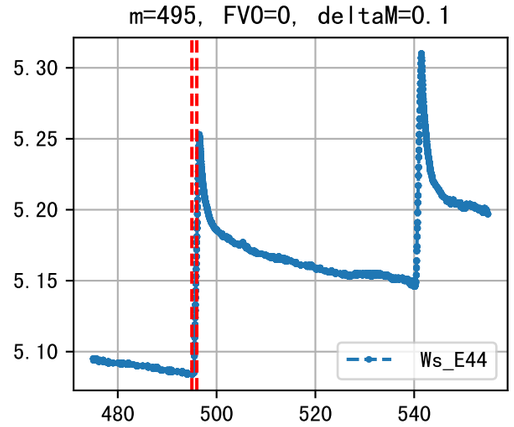
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 5 ml/株
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 28 ml/株
60	30.0	0.122	多云	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	30.0	0.122	多云	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	30.0	0.122	晴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	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
420.0（7次）	210.0			建议进液EC：1900， PH：6.

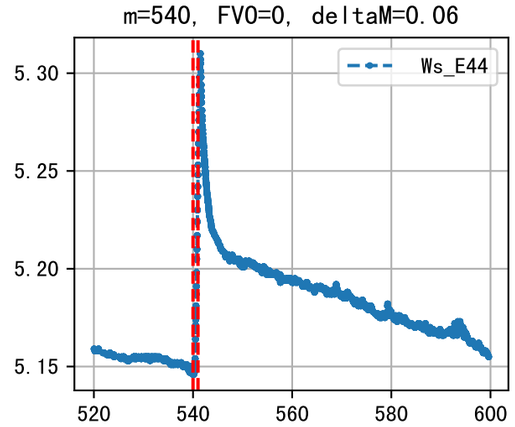
L1A3_3, Day=177.0 (2026-04-01)

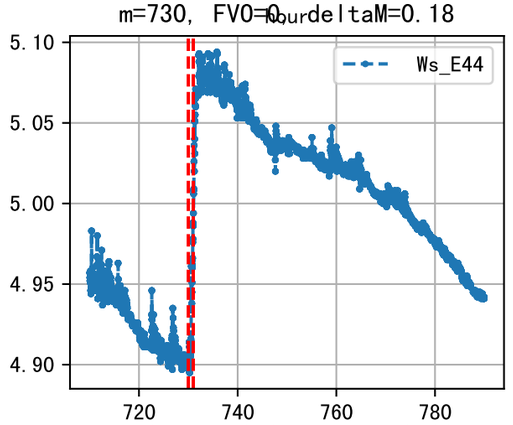


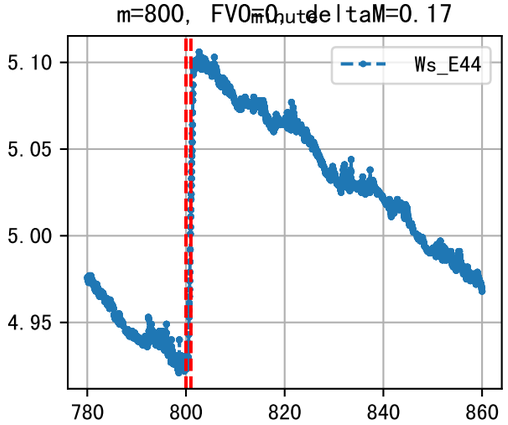

Ws_E44

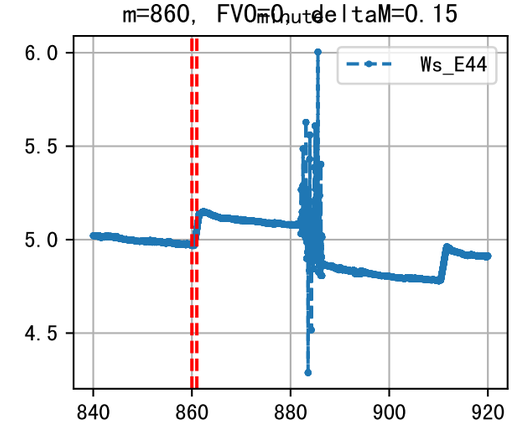

m=450, FV0=0, deltaM=0.18
Ws_E44

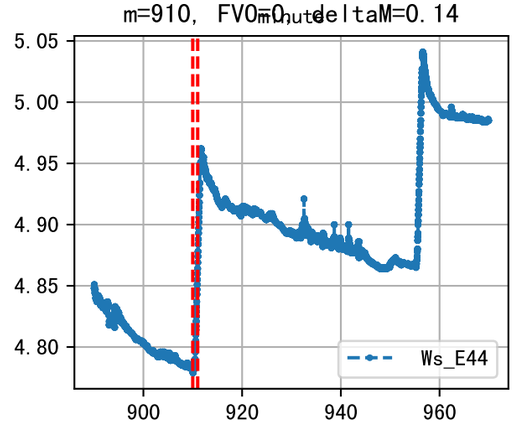

m=495, FV0=0, deltaM=0.1
Ws_E44

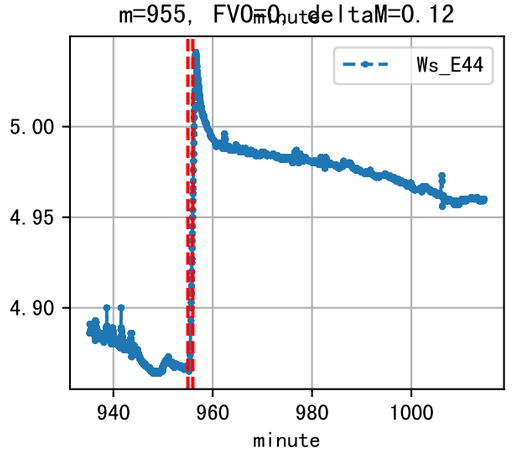

m=540, FV0=0, deltaM=0.06
Ws_E44

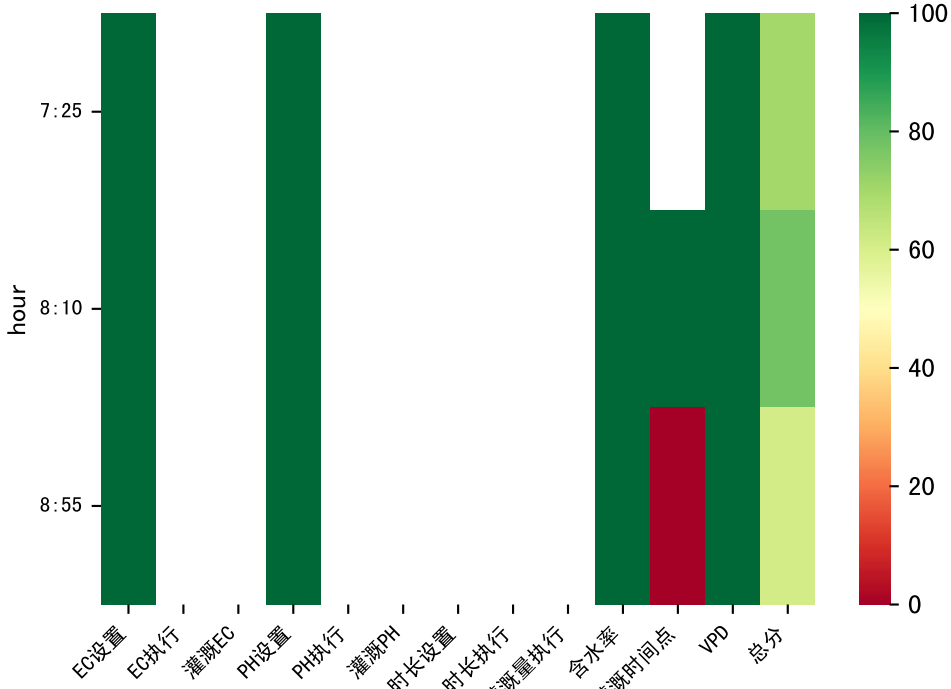

m=730, FV0=0, deltaM=0.18
Ws_E44


m=800, FV0=0, deltaM=0.17
Ws_E44
minute


m=860, FV0=0, deltaM=0.15
Ws_E44
minute

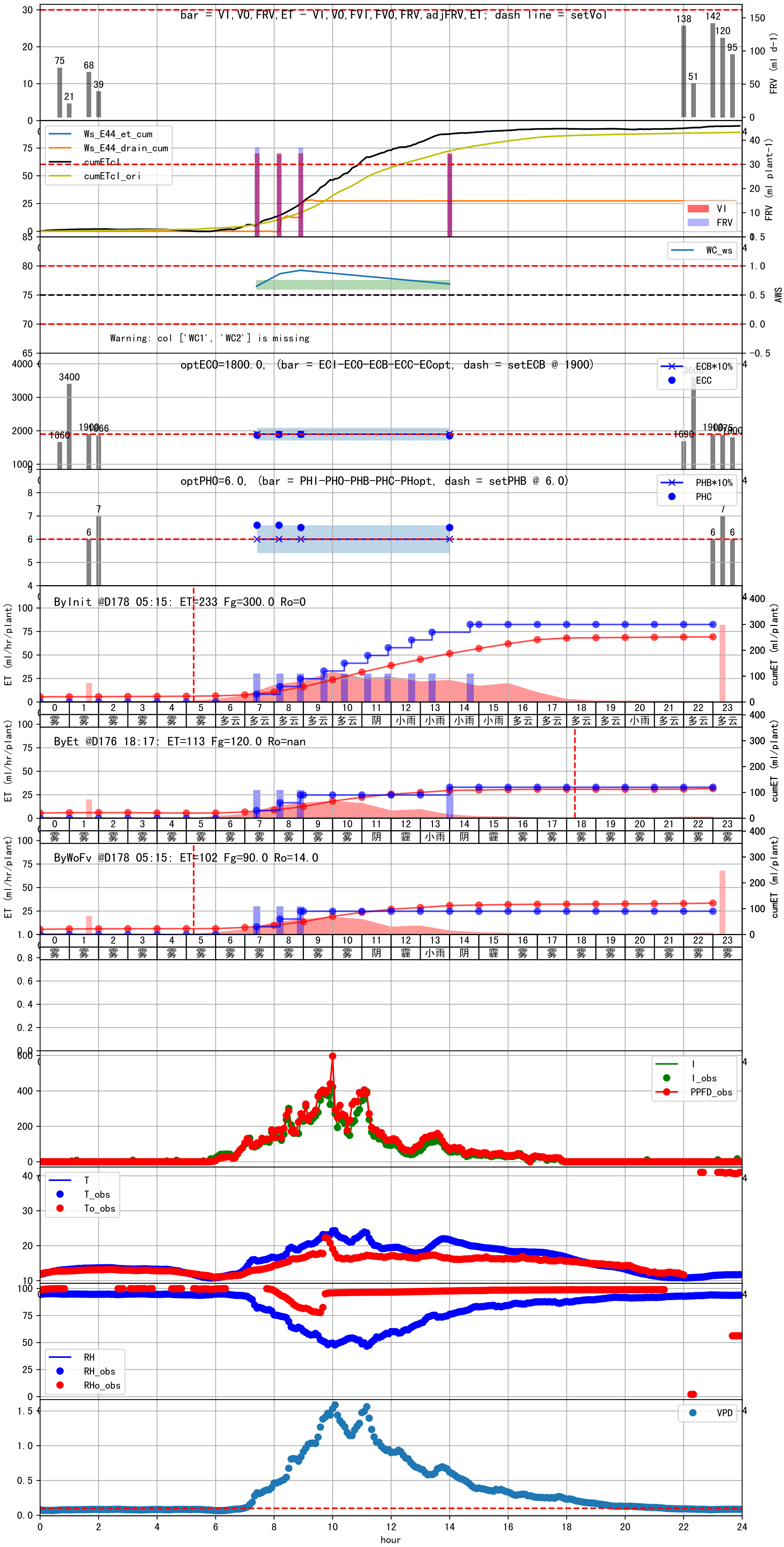

m=910, FV0=0, deltaM=0.14
Ws_E44
minute

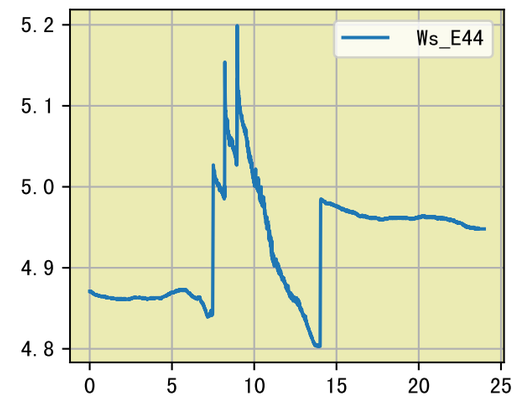

m=955, FV0=0, deltaM=0.12
Ws_E44
minute

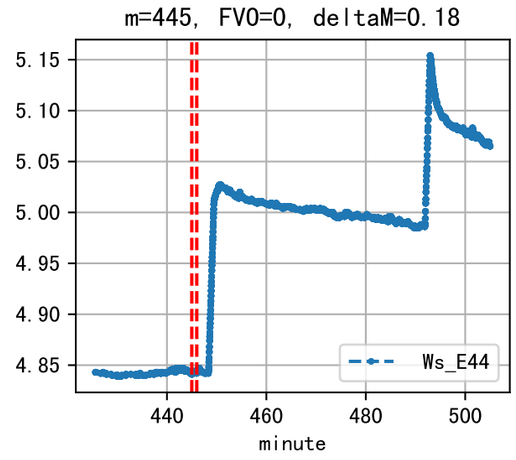

hour
7:25
8:10
8:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

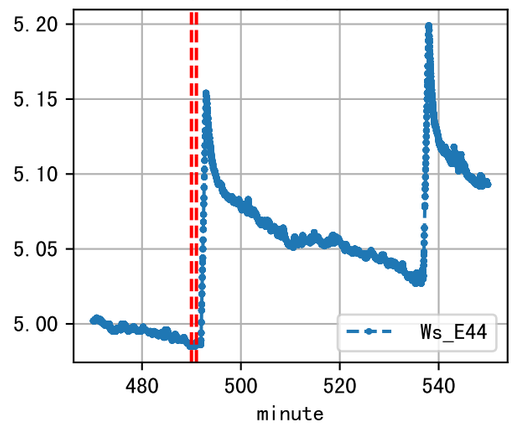
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 14 ml/株
180.0（3次）	90.0			建议进液EC：1900， PH：6.

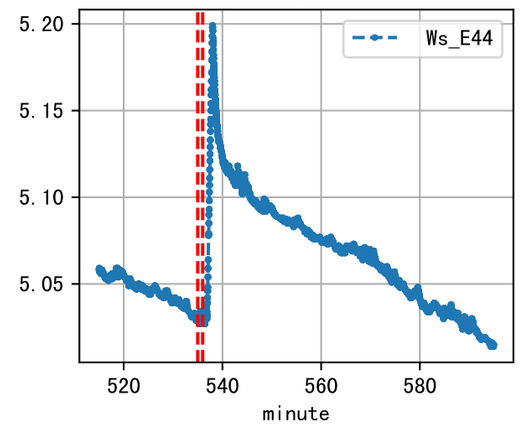
L1A3_3, Day=176.0 (2026-03-31)

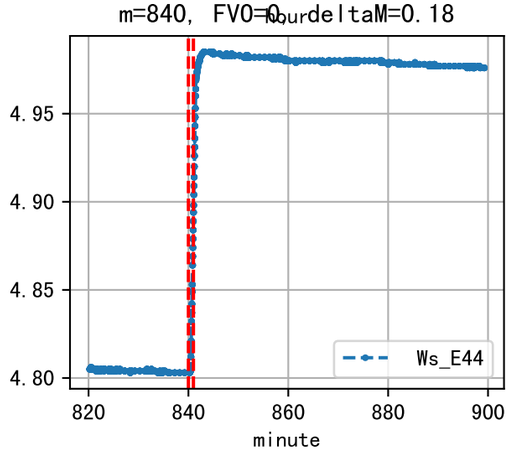


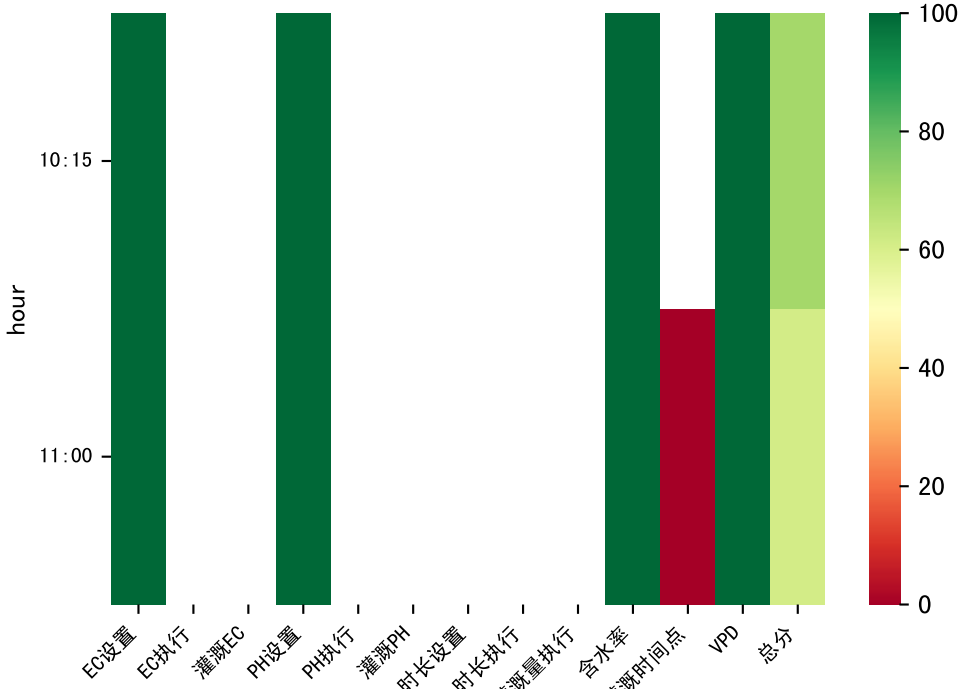

Ws_E44
5.2
5.1
5.0
4.9
4.8
0
5
10
15
20
25
hour


m=445, FV0=0, deltaM=0.18
Ws_E44
5.15
5.10
5.05
5.00
4.95
4.90
4.85
440
460
480
500
minute


m=490, FV0=0, deltaM=0.11
Ws_E44
5.20
5.15
5.10
5.05
5.00
480
500
520
540
minute

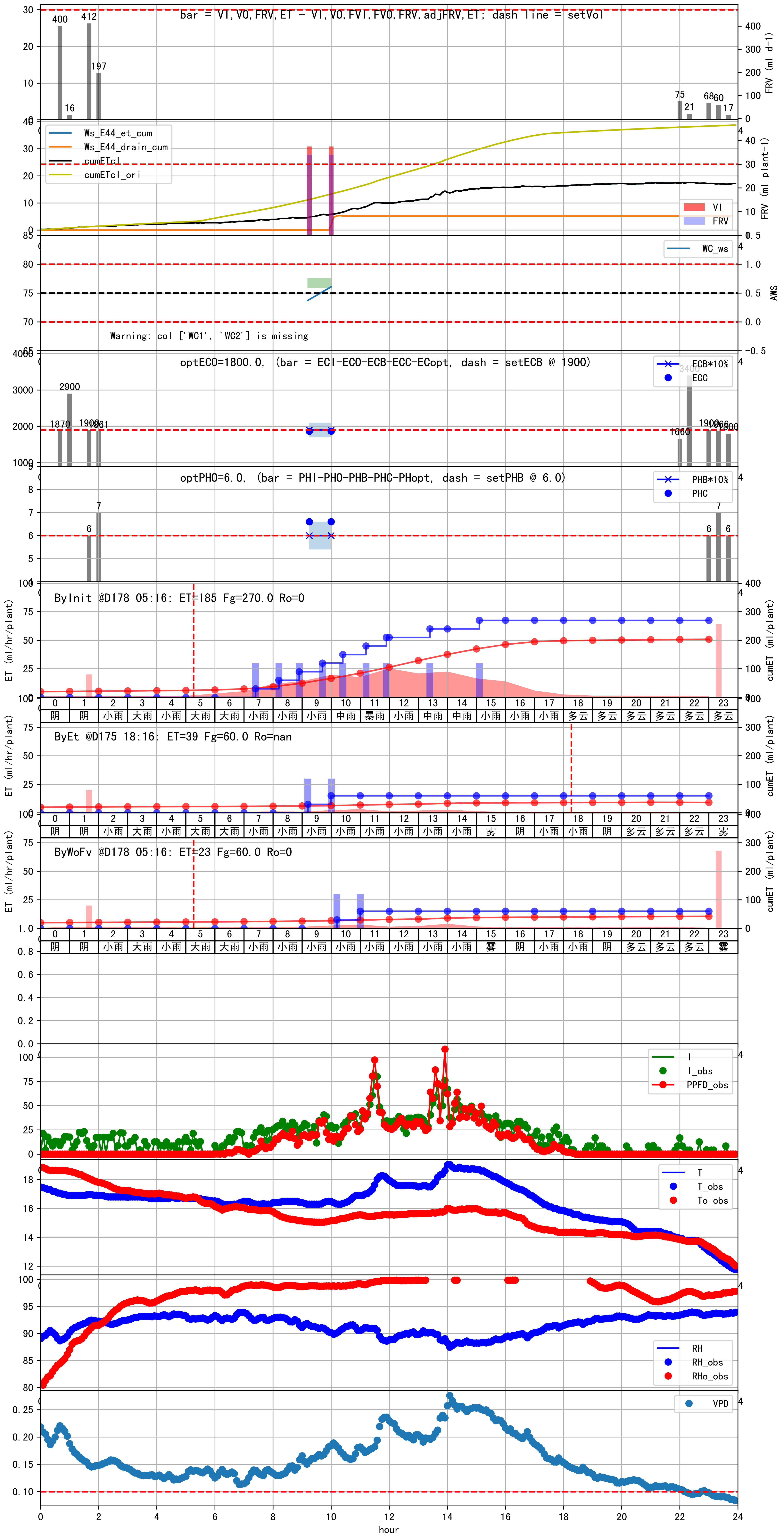

m=535, FV0=0, deltaM=nan
Ws_E44
5.20
5.15
5.10
5.05
520
540
560
580
minute

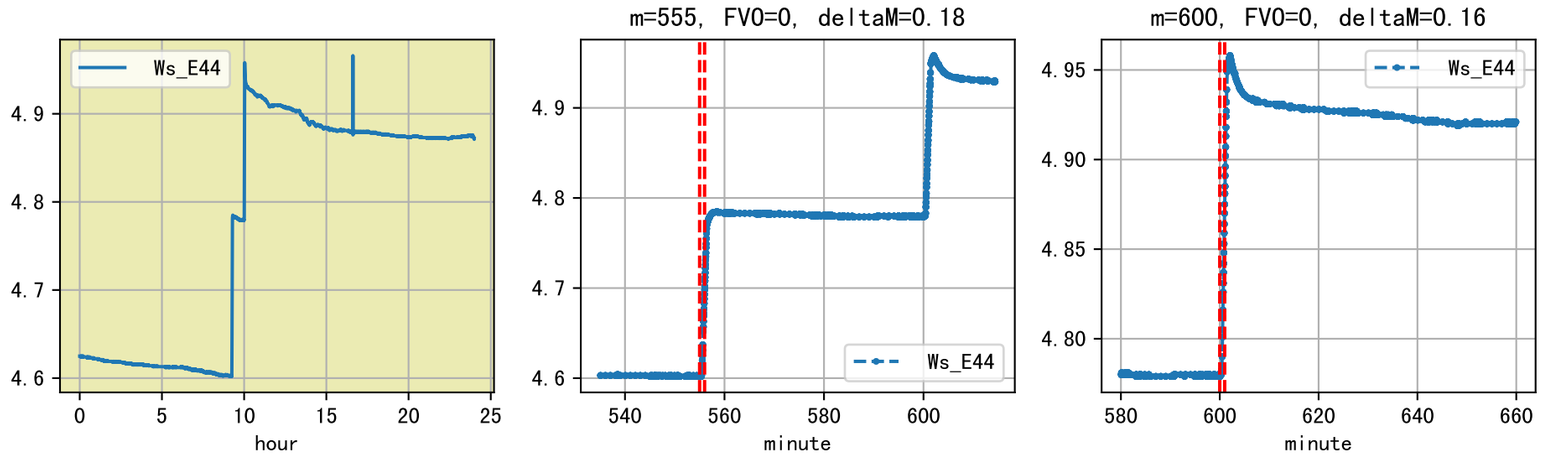

m=840, FV0=0, deltaM=0.18
Ws_E44
4.95
4.90
4.85
4.80
820
840
860
880
900
minute

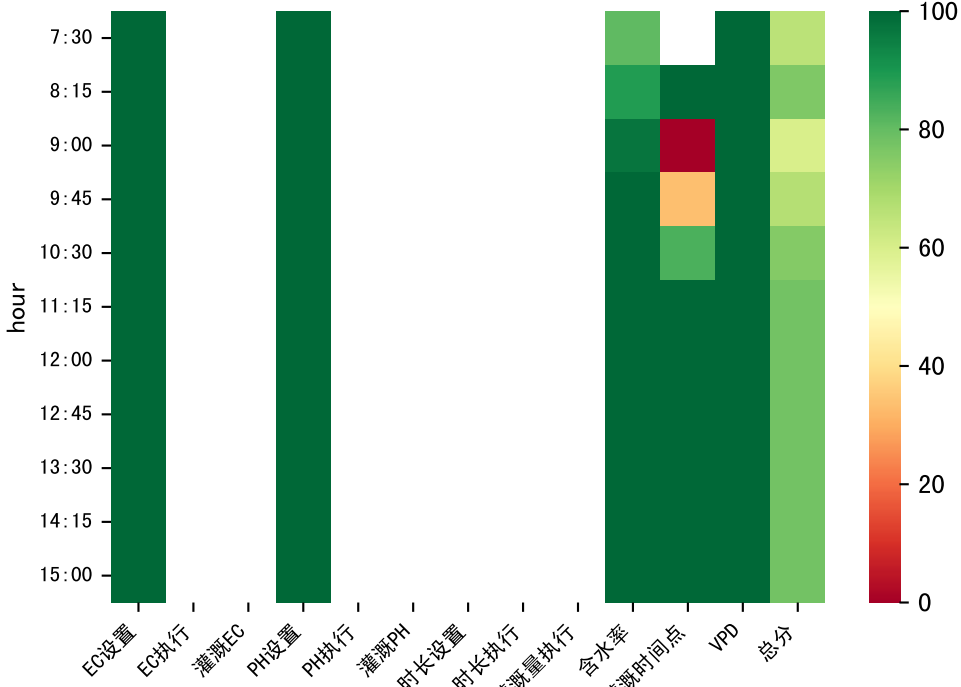

hour
10:15
11:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
5	60	30.0	0.122	小雨	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
0	60	30.0	0.122	小雨	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
计	120.0（2次）	60.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=175.0 (2026-03-30)

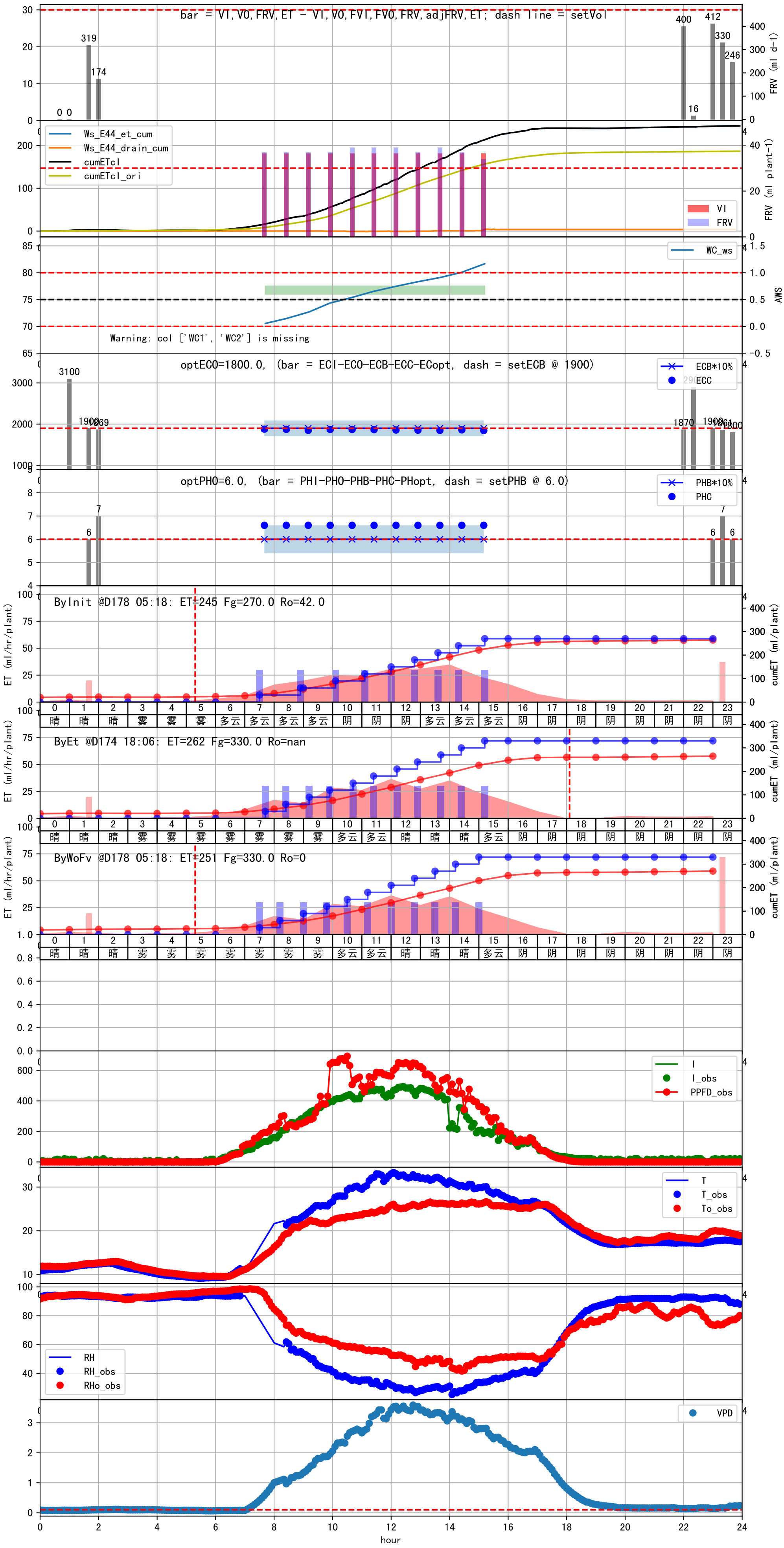


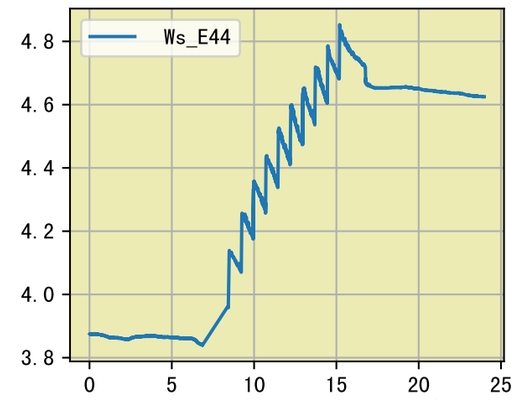

Ws_E44
4.9
4.8
4.7
4.6
0
5
10
15
20
25
hour
m=555, FV0=0, deltaM=0.18
Ws_E44
4.9
4.8
4.7
4.6
540
560
580
600
minute
m=600, FV0=0, deltaM=0.16
Ws_E44
4.95
4.90
4.85
4.80
580
600
620
640
660
minute

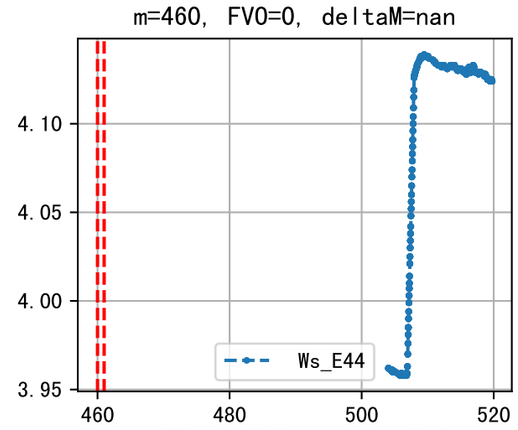

hour
7:30
8:15
9:00
9:45
10:30
11:15
12:00
12:45
13:30
14:15
15:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

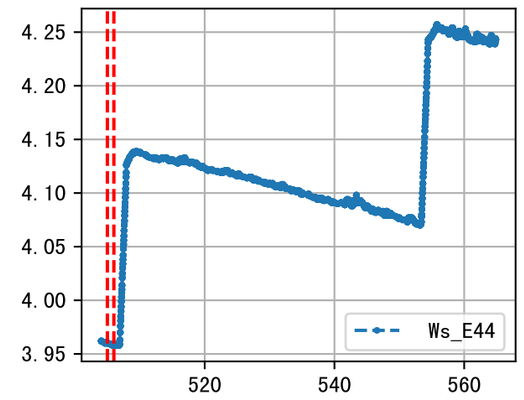
	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
0	60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
5	60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
0	60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
5	60	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
0	60	30.0	0.122	多云	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
5	60	30.0	0.122	多云	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
0	60	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）
5	60	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）
0	60	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）
5	60	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）
0	60	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 无）
计	660.0（11次）	330.0			建议进液EC：1900， PH：6.0

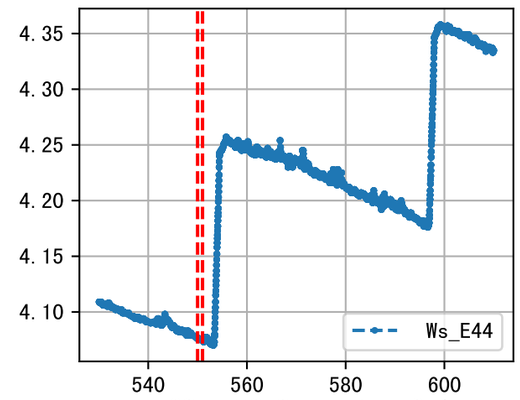
L1A3_3, Day=174.0 (2026-03-29)

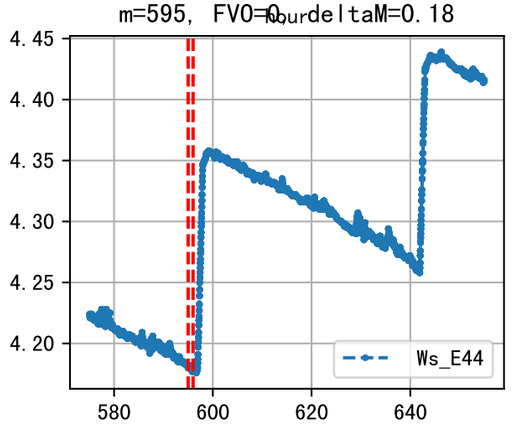


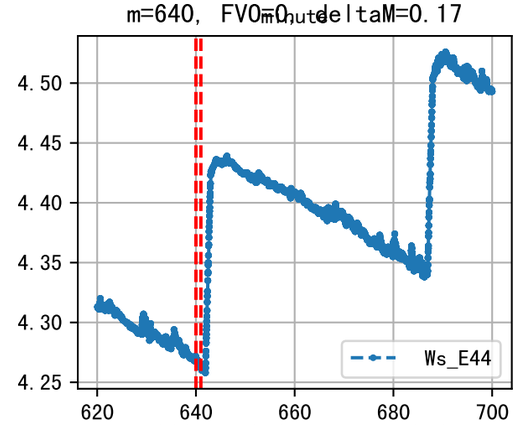

Ws_E44

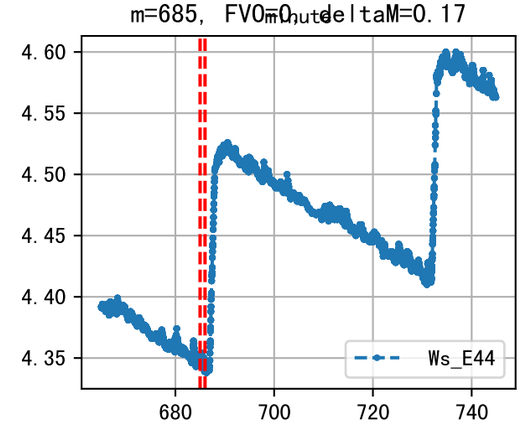

m=460, FV0=0, deltaM=nan
Ws_E44

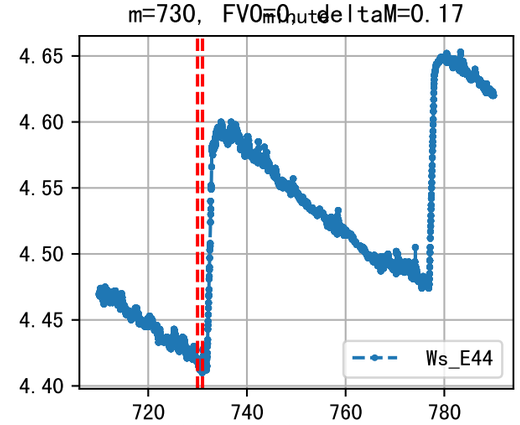

m=505, FV0=0, deltaM=0.17
Ws_E44

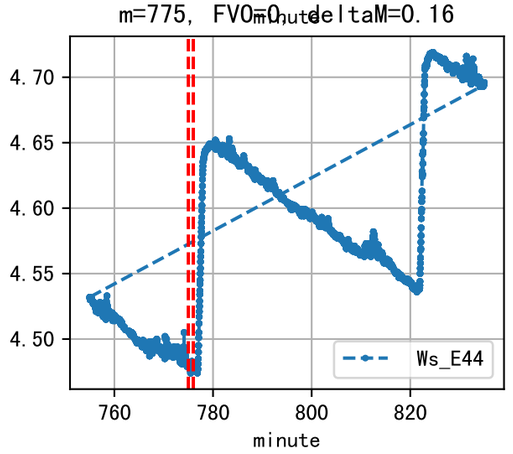

m=550, FV0=0, deltaM=0.18
Ws_E44

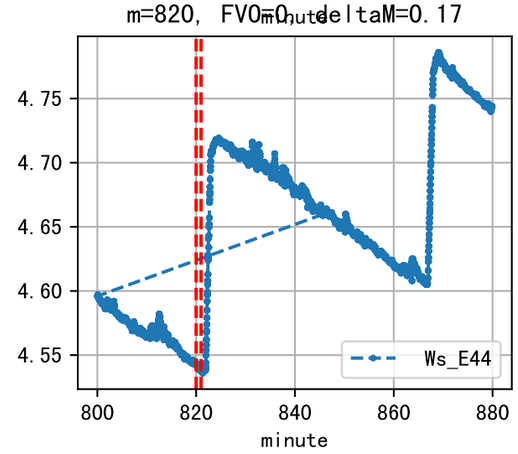

m=595, FV0=0, deltaM=0.18
Ws_E44

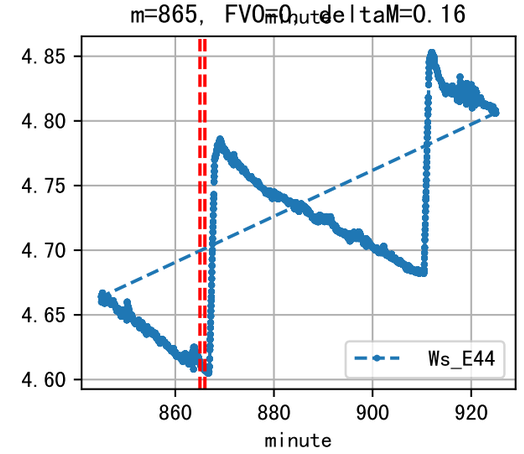

m=640, FV0=0, deltaM=0.17
Ws_E44

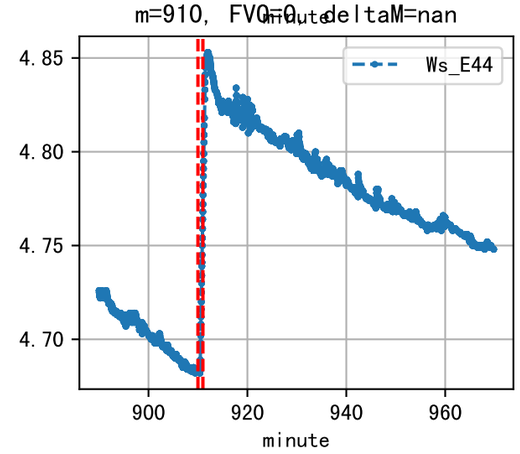

m=685, FV0=0, deltaM=0.17
Ws_E44


m=730, FV0=0, deltaM=0.17
Ws_E44


m=775, FV0=0, deltaM=0.16
Ws_E44
minute


m=820, FV0=0, deltaM=0.17
Ws_E44
minute


m=865, FV0=0, deltaM=0.16
Ws_E44
minute


m=910, FV0=0, deltaM=nan
Ws_E44
minute