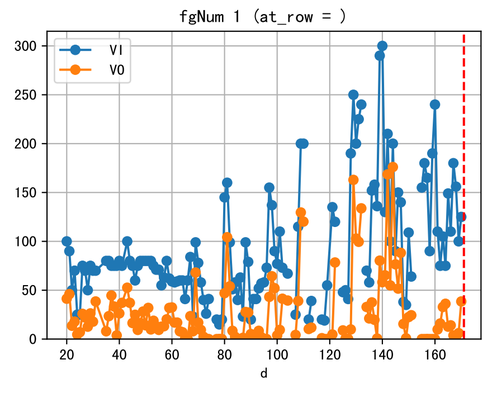
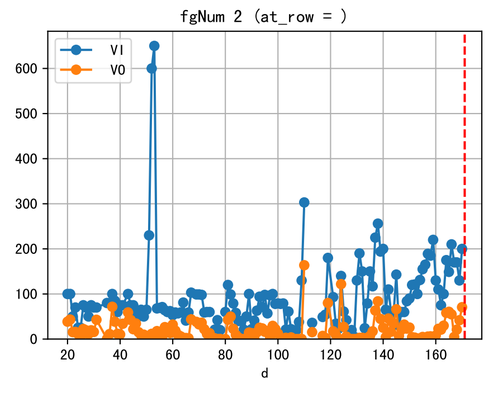
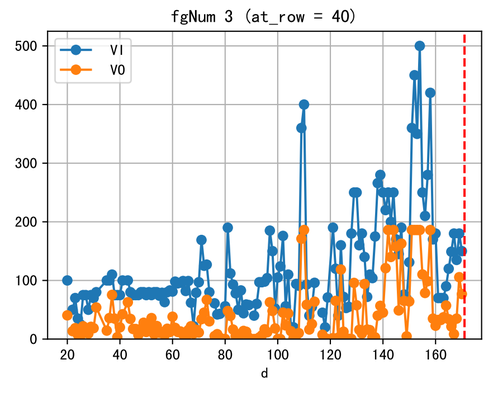
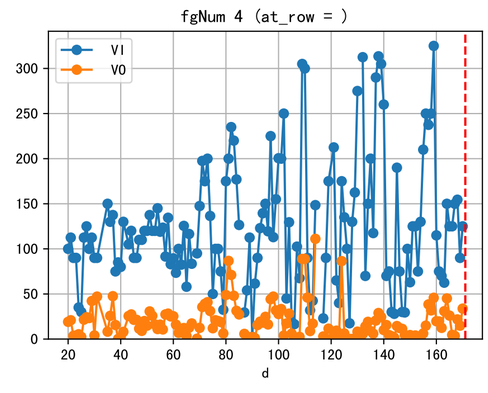
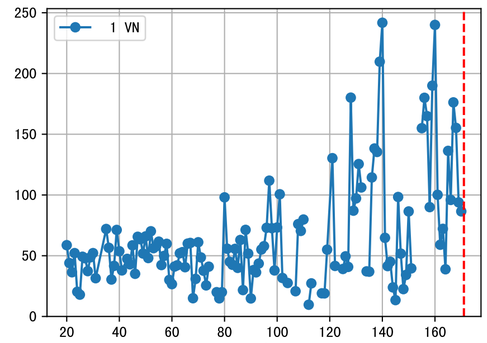
FgArea: ['3']
NJ15 L1
2026-03-26 (Day 171)

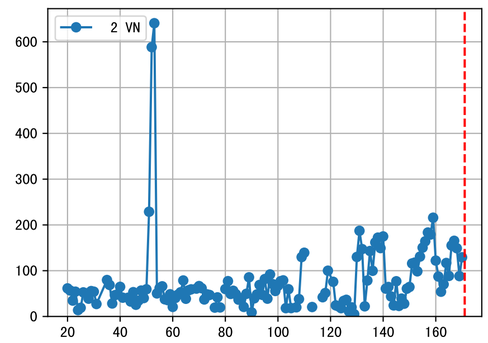

fgNum 1 (at_row =)
VI
VO
d

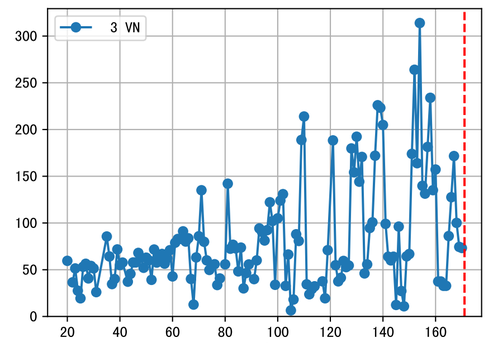

fgNum 2 (at_row =)
VI
VO
d

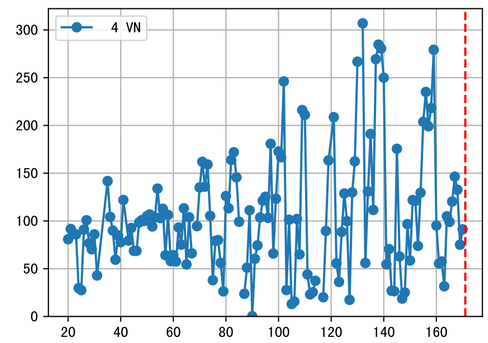

fgNum 3 (at_row = 40)
VI
VO
d

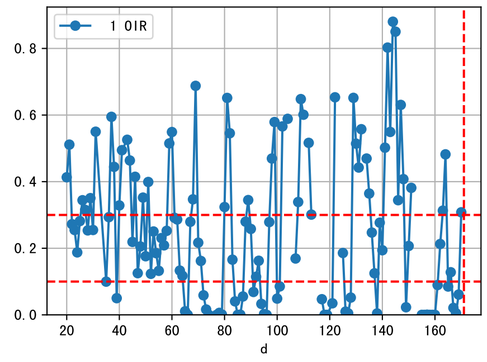

fgNum 4 (at_row =)
VI
VO
d

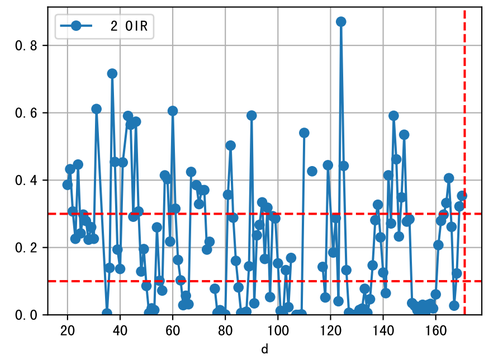

1 VN
d

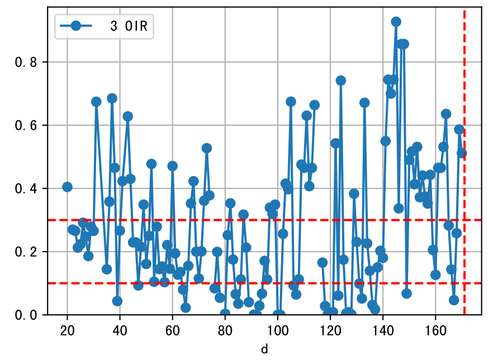

2 VN
d

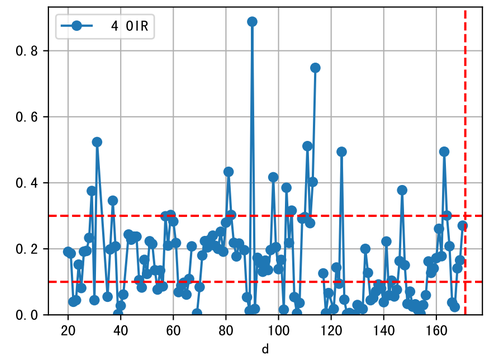

3 VN
d

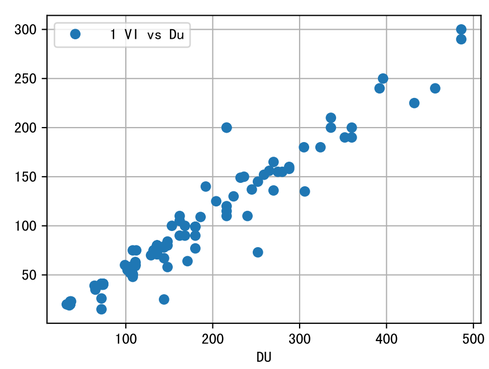

4 VN
d

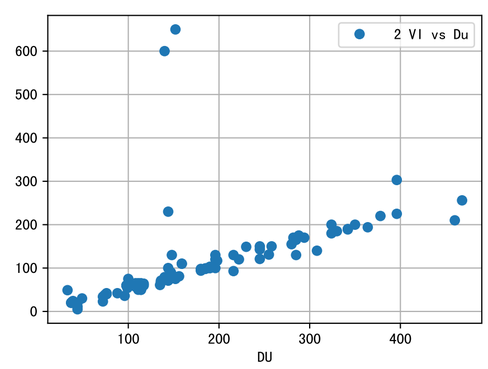

1 OIR
d

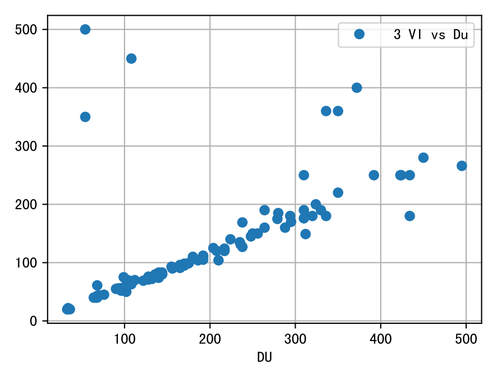

2 OIR
d

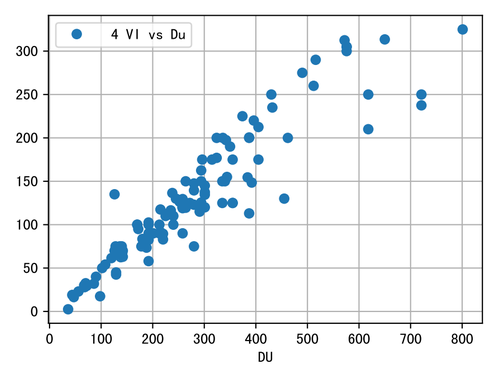

3 OIR
d

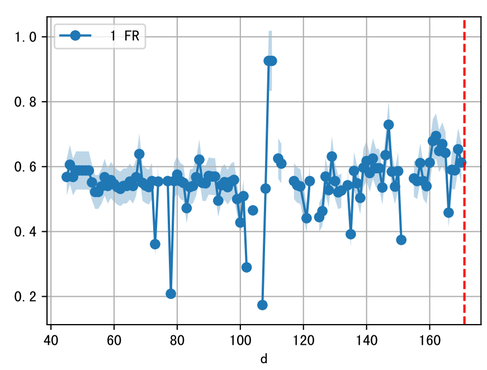

4 OIR
d

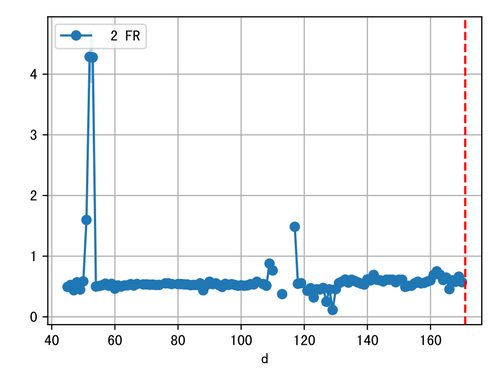

1 VI vs Du
DU

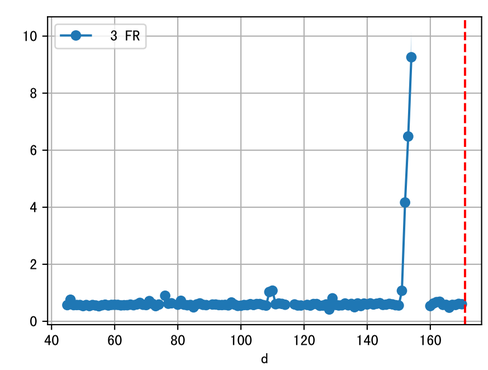

2 VI vs Du
DU

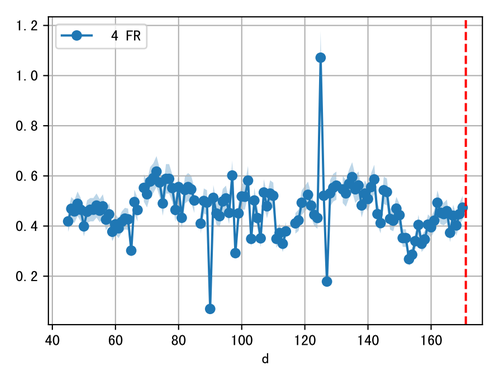

3 VI vs Du
DU

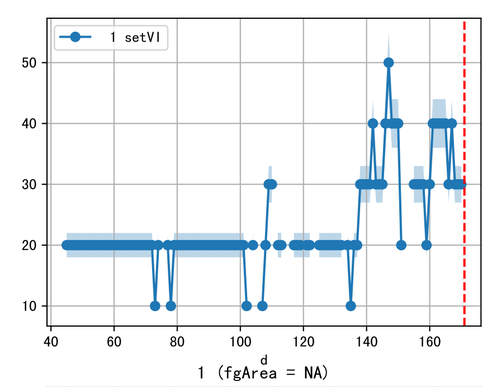

4 VI vs Du
DU

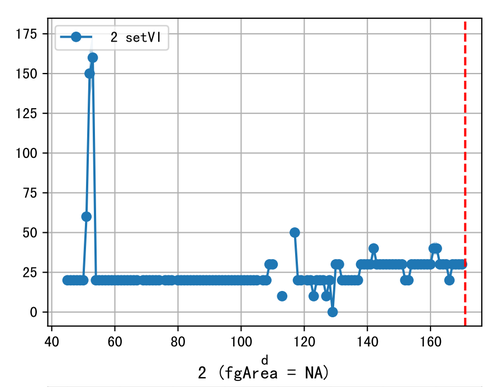

1 FR
d

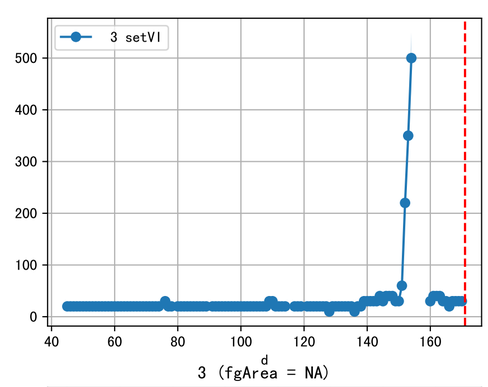

2 FR
d

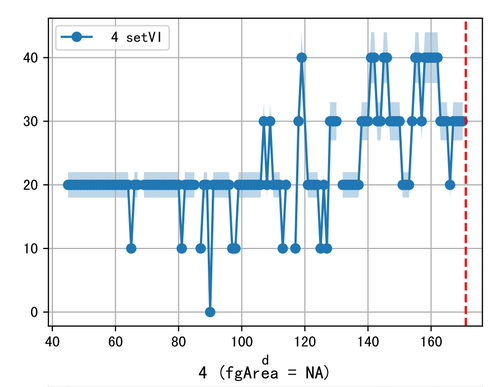

3 FR
d

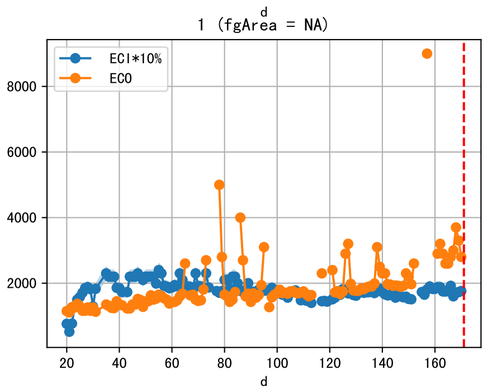

4 FR
d

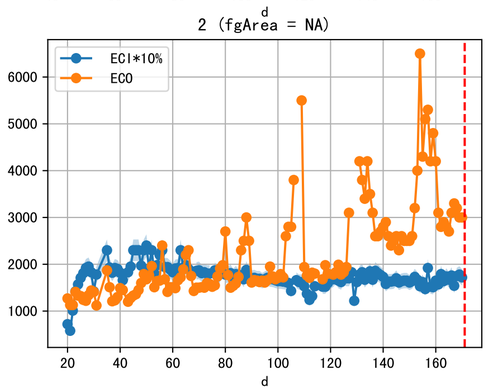

1 setVI
d

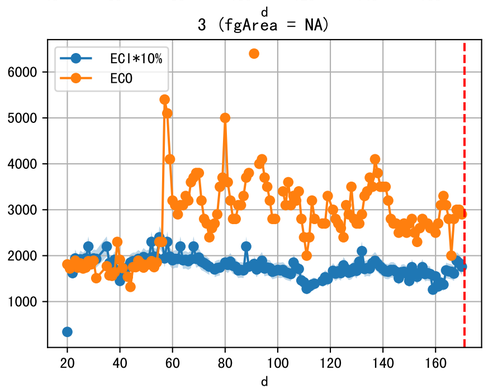

2 setVI
d

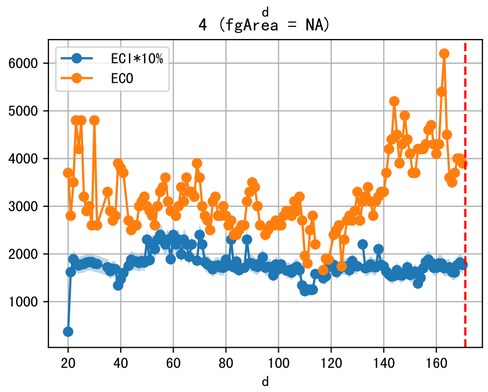

3 setVI
d

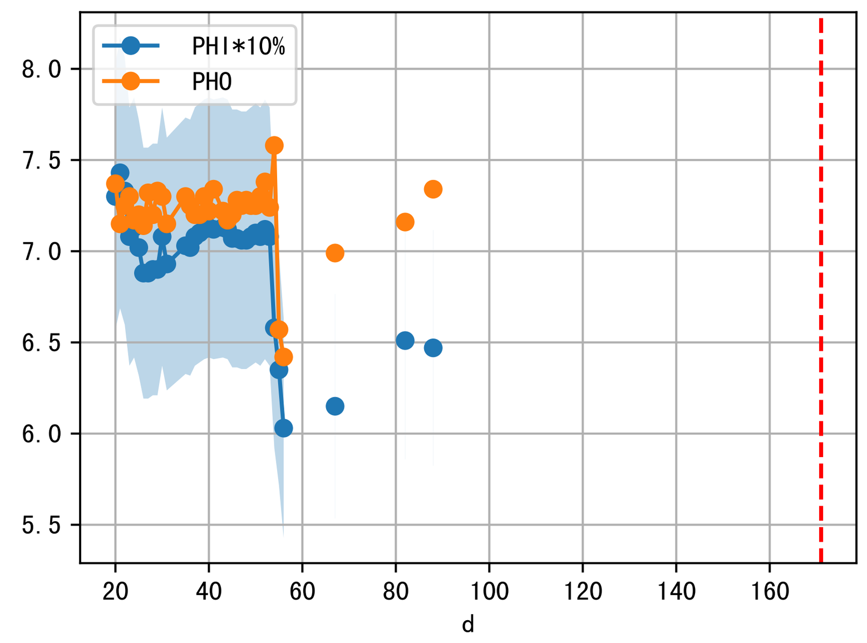
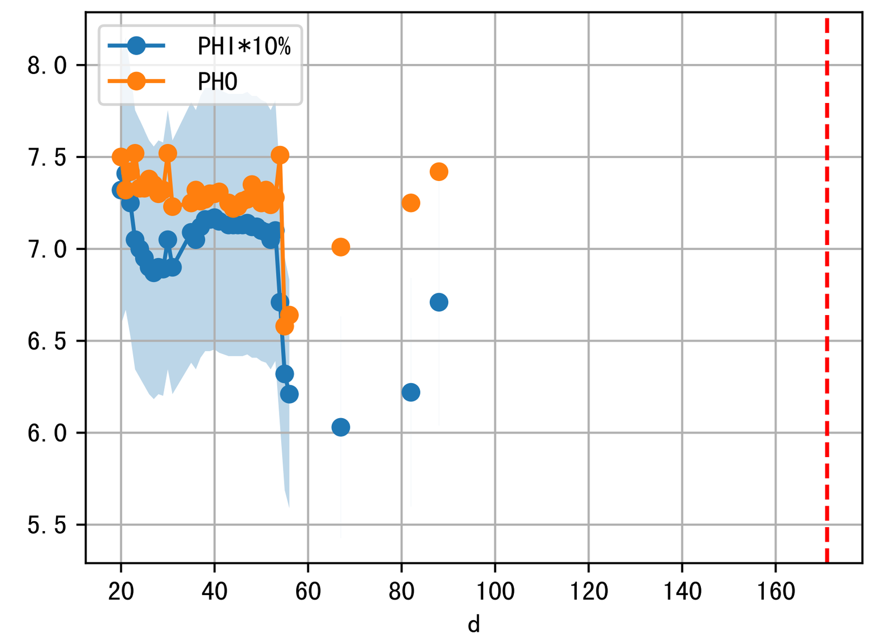
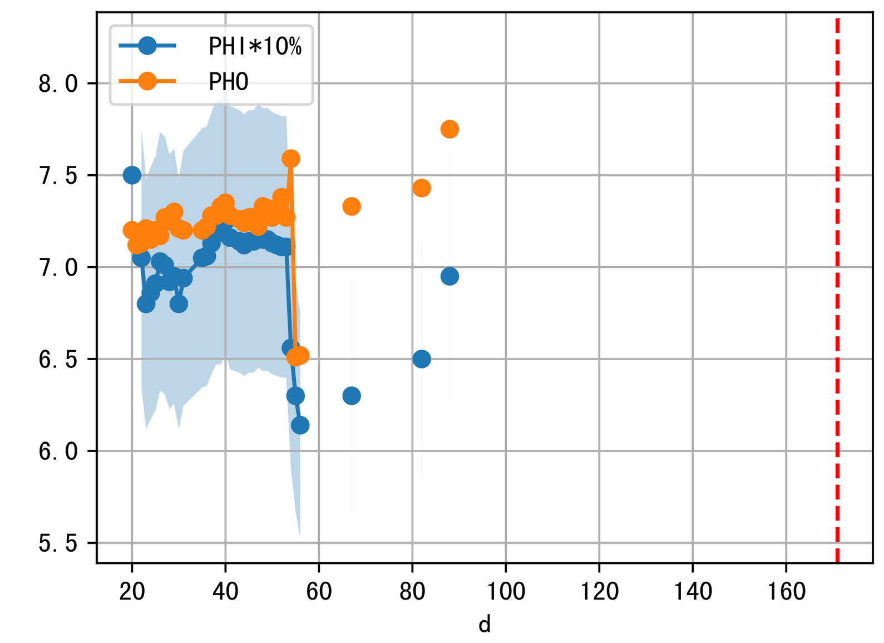
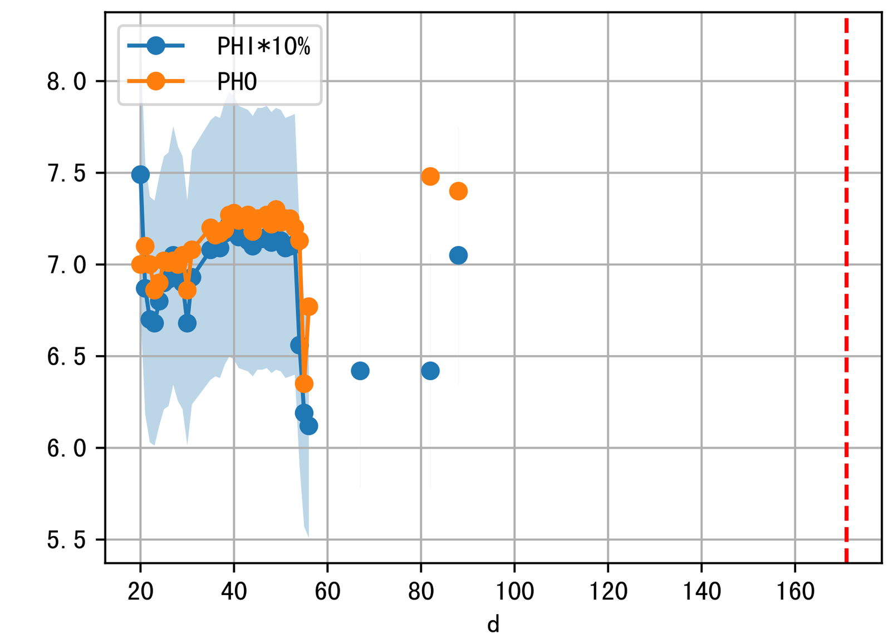

4 setVI
d

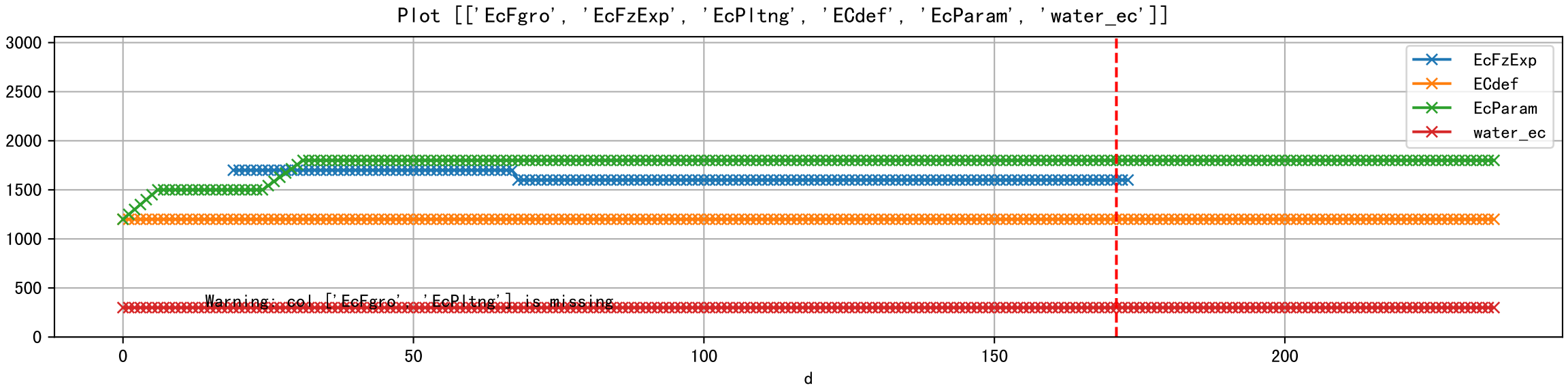

1 (fgArea = NA)
ECI*10%
ECO
d

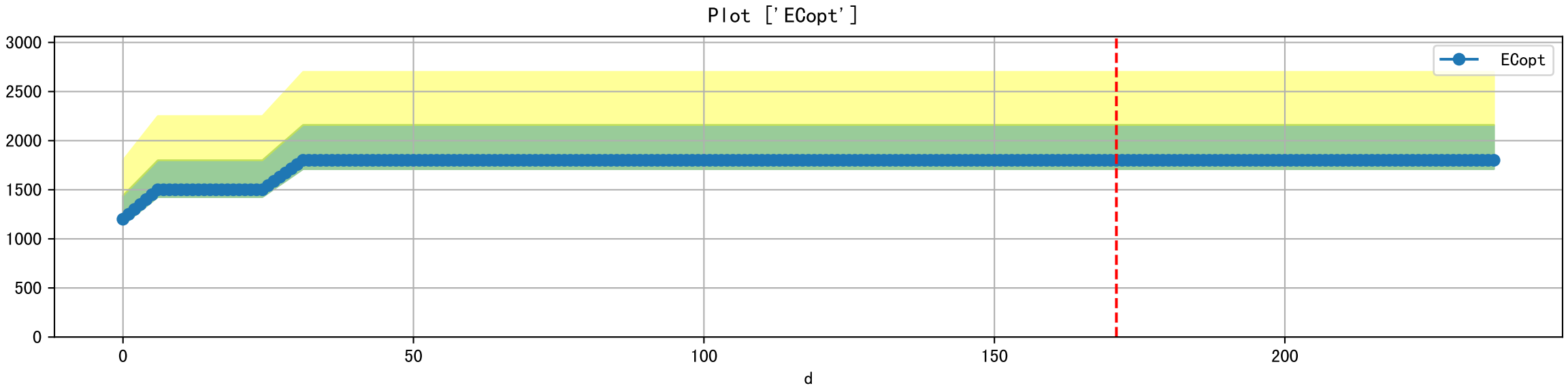

2 (fgArea = NA)
ECI*10%
ECO
d

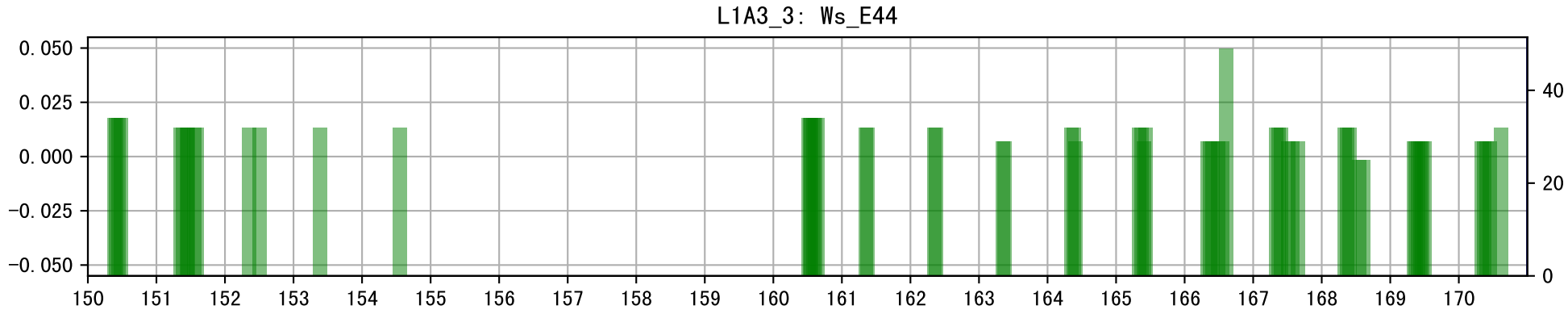

3 (fgArea = NA)
ECI*10%
ECO
d

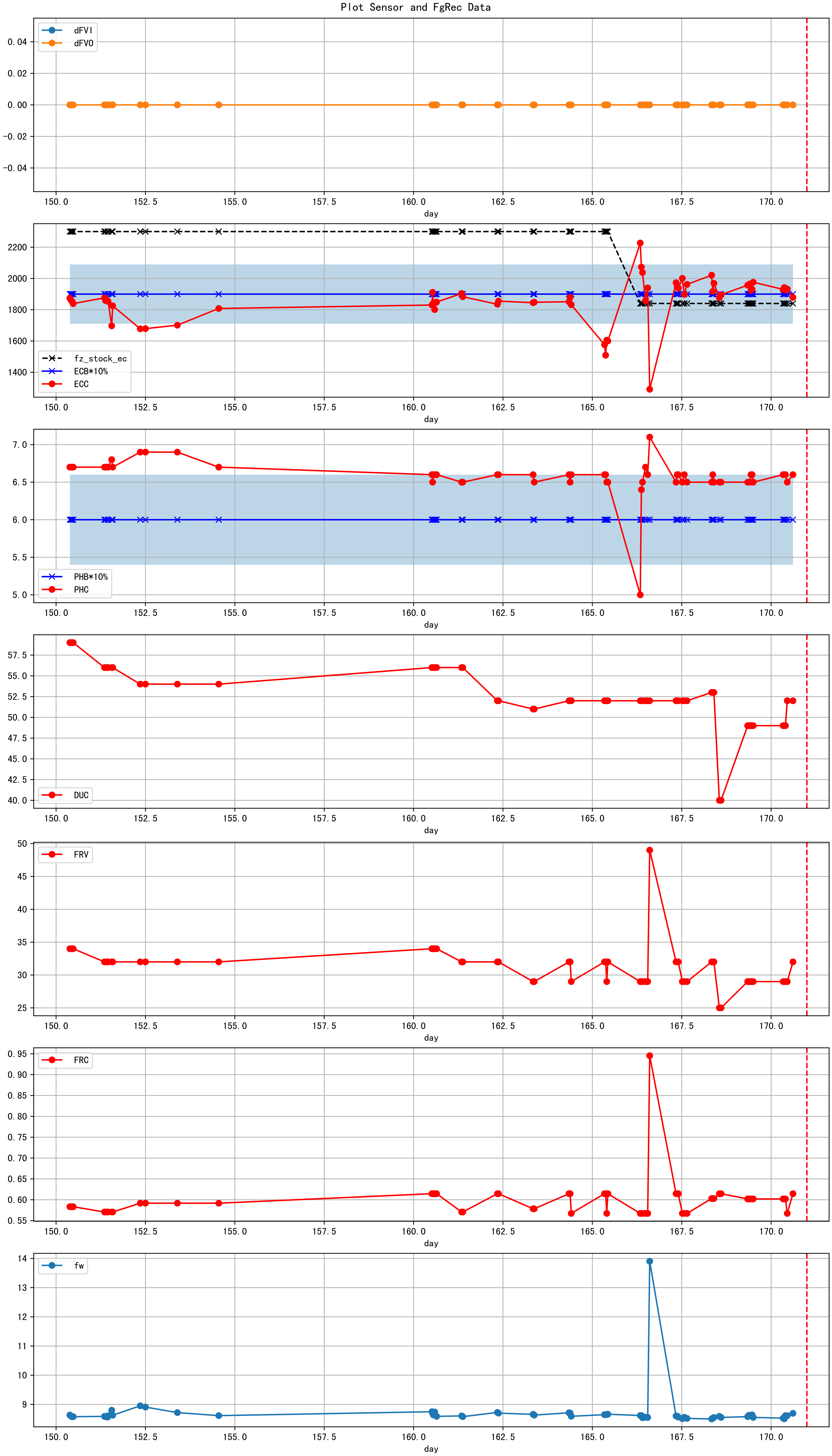

4 (fgArea = NA)
ECI*10%
ECO
d

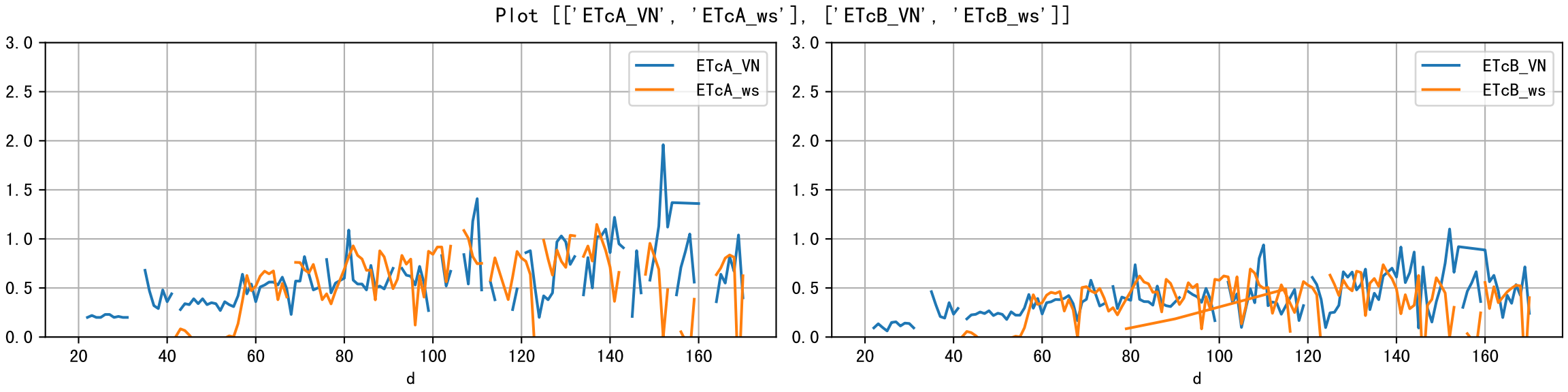

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

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

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

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

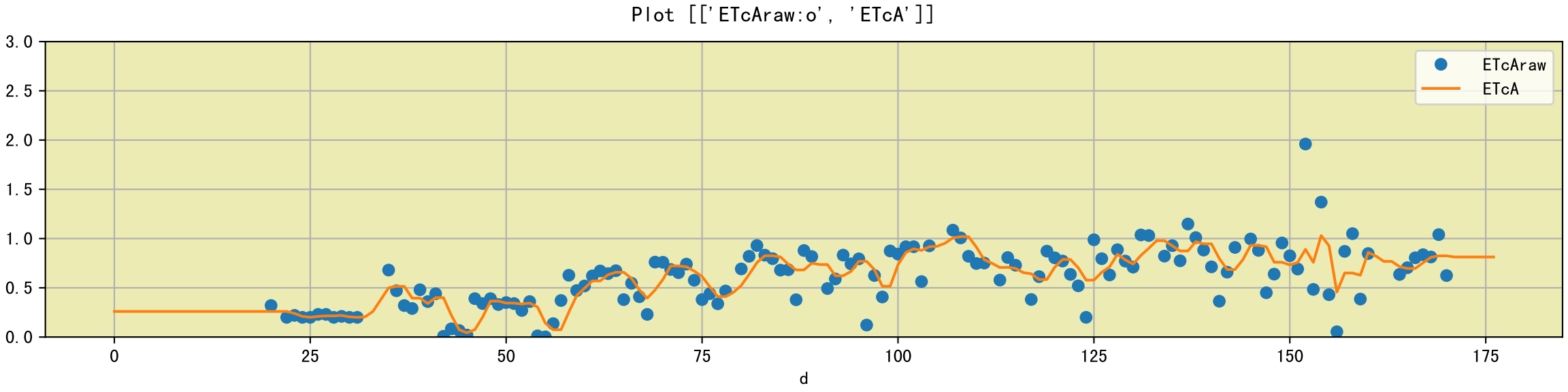

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

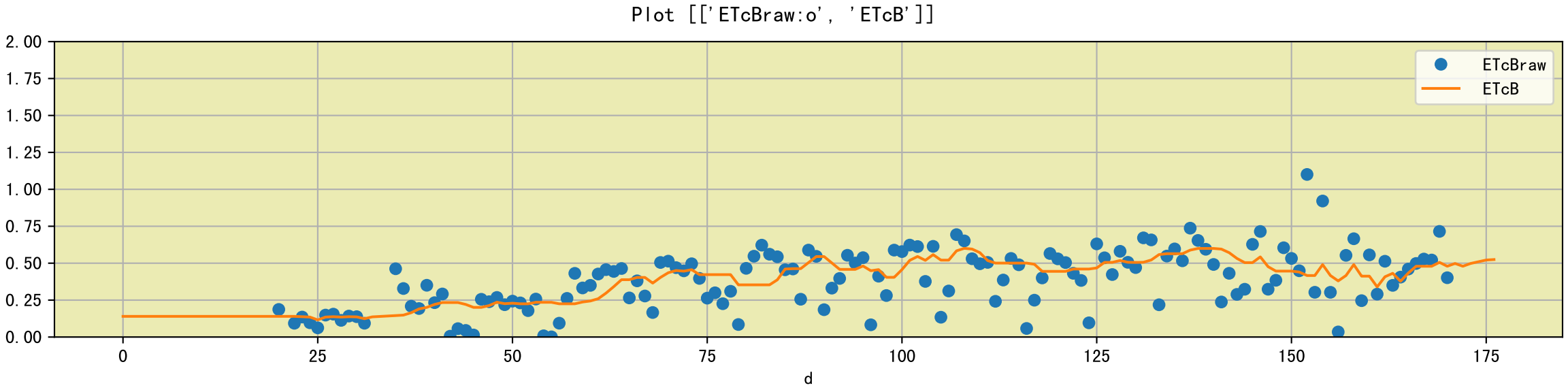

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
40
20
0
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170

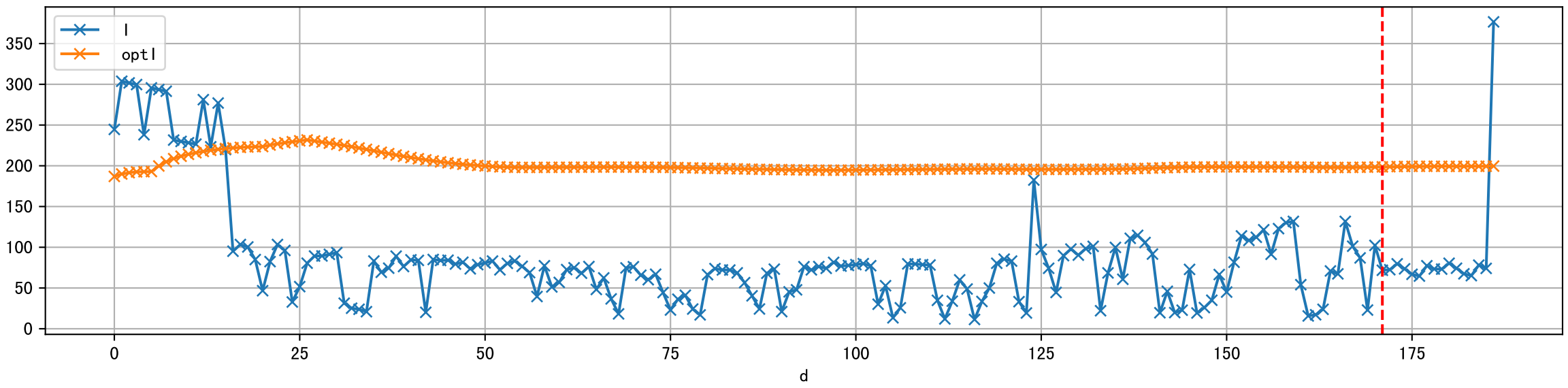

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day
150.0
152.5
155.0
157.5
160.0
162.5
165.0
167.5
170.0

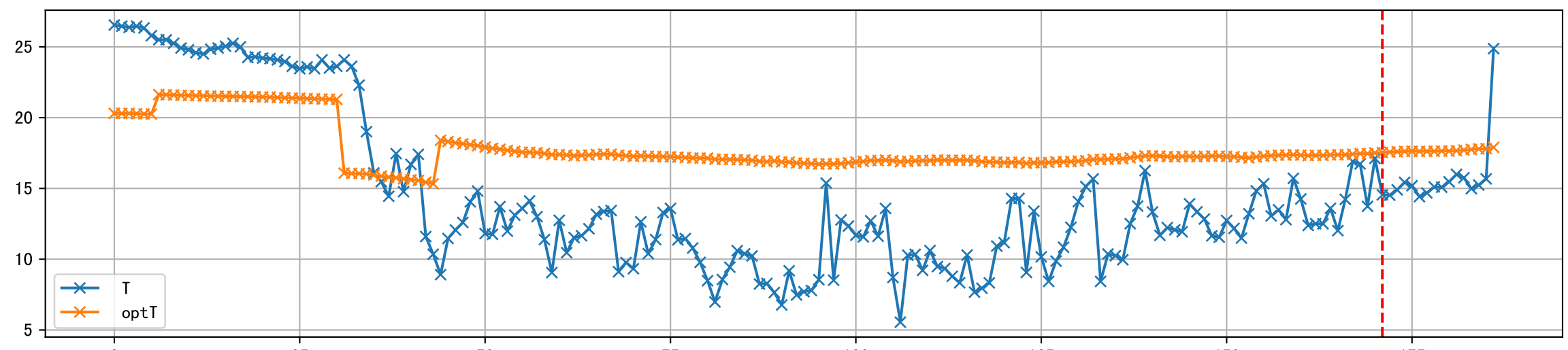

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
160
d

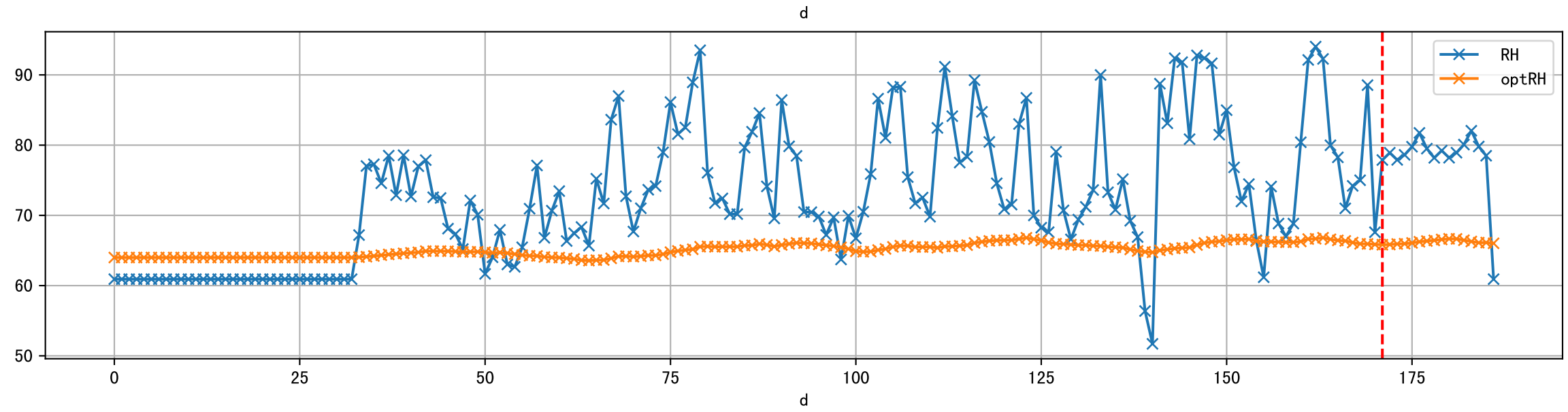

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

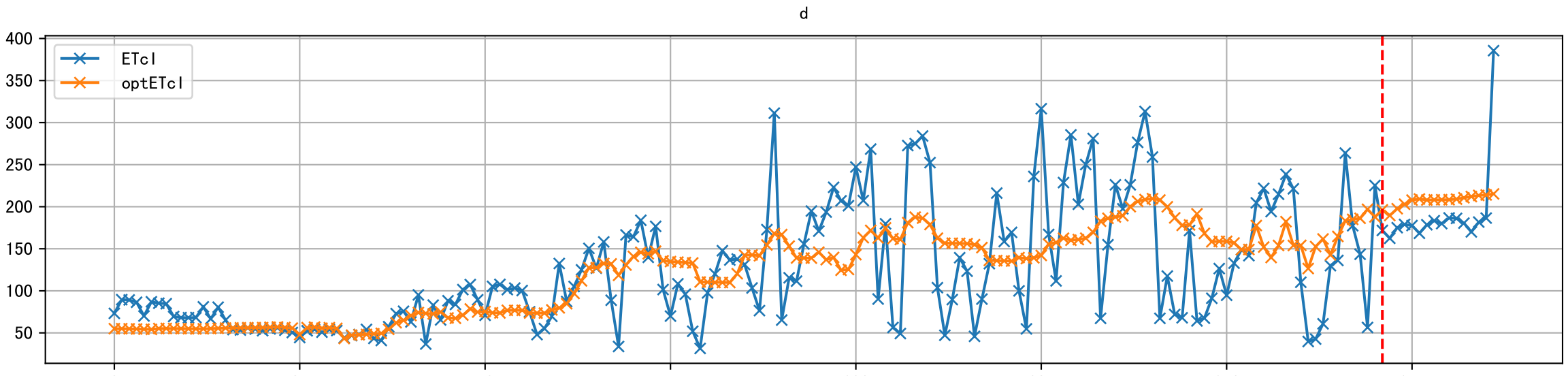

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

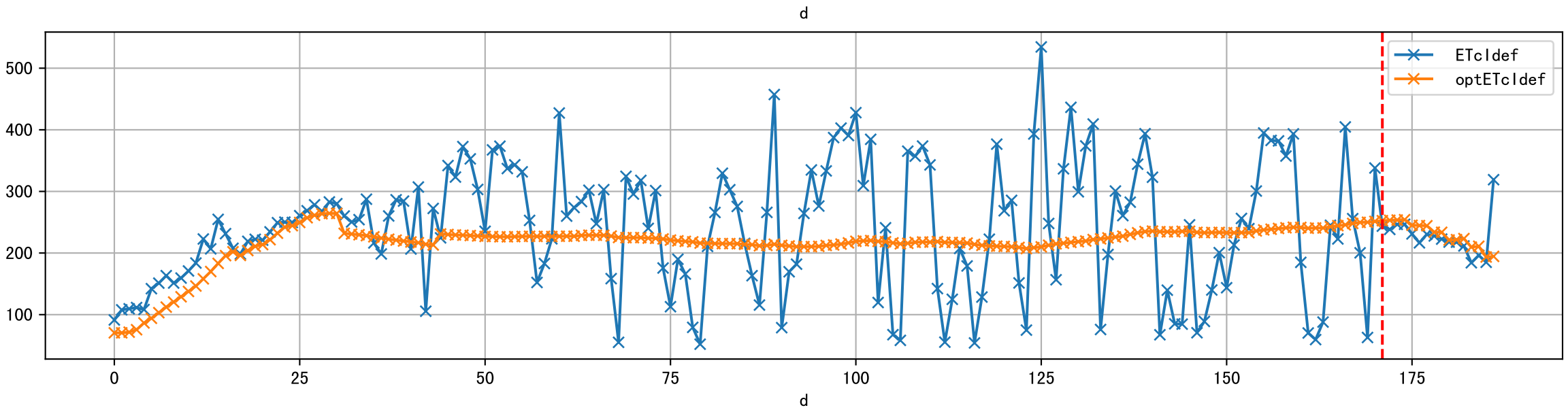
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

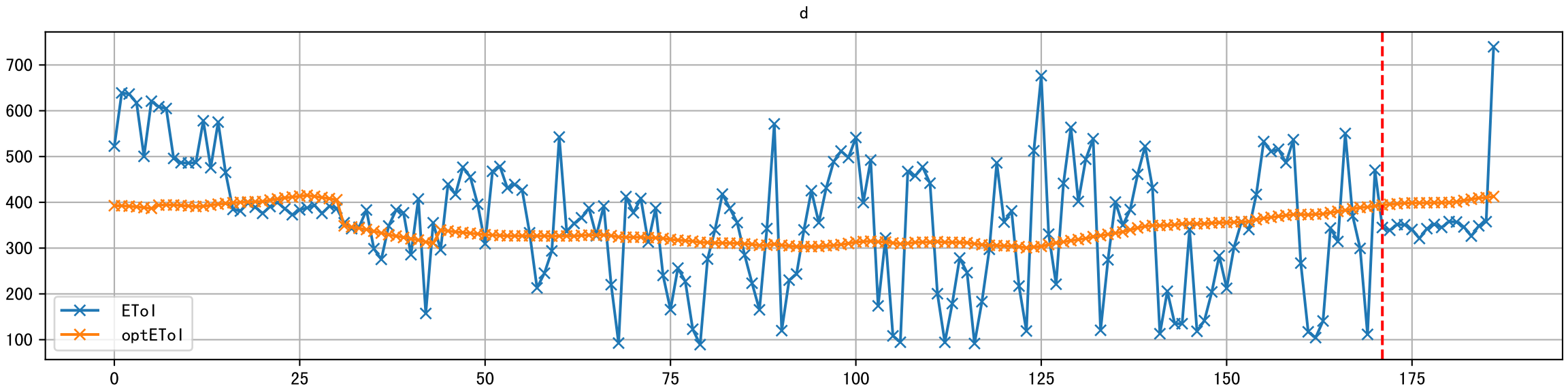


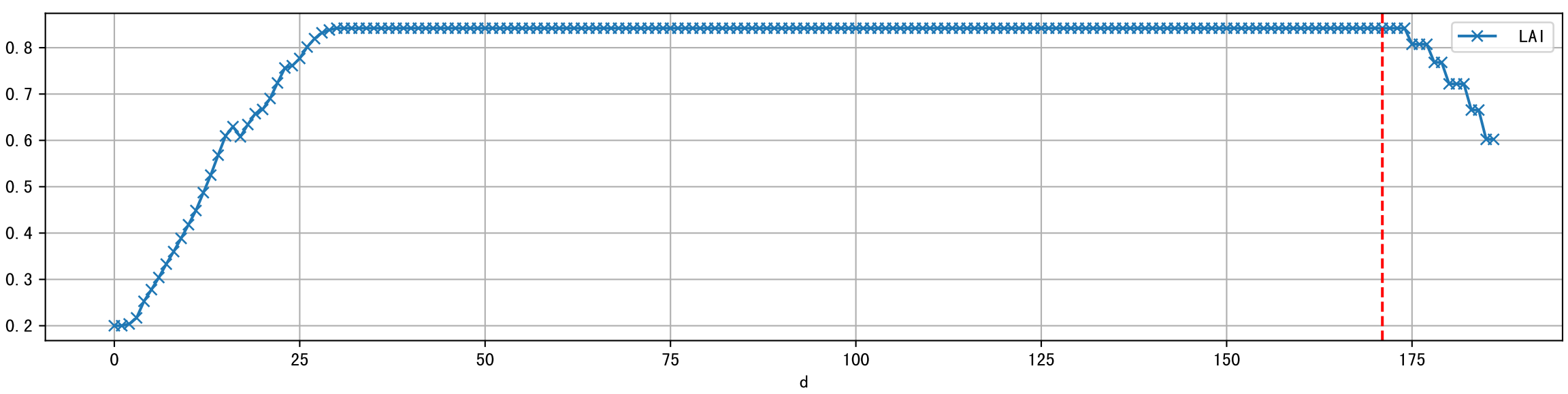


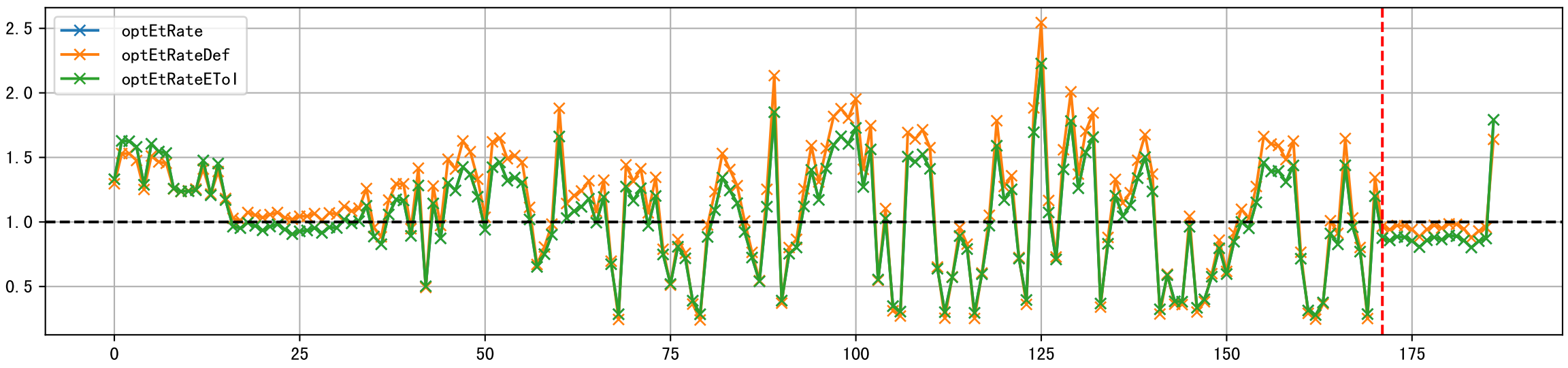


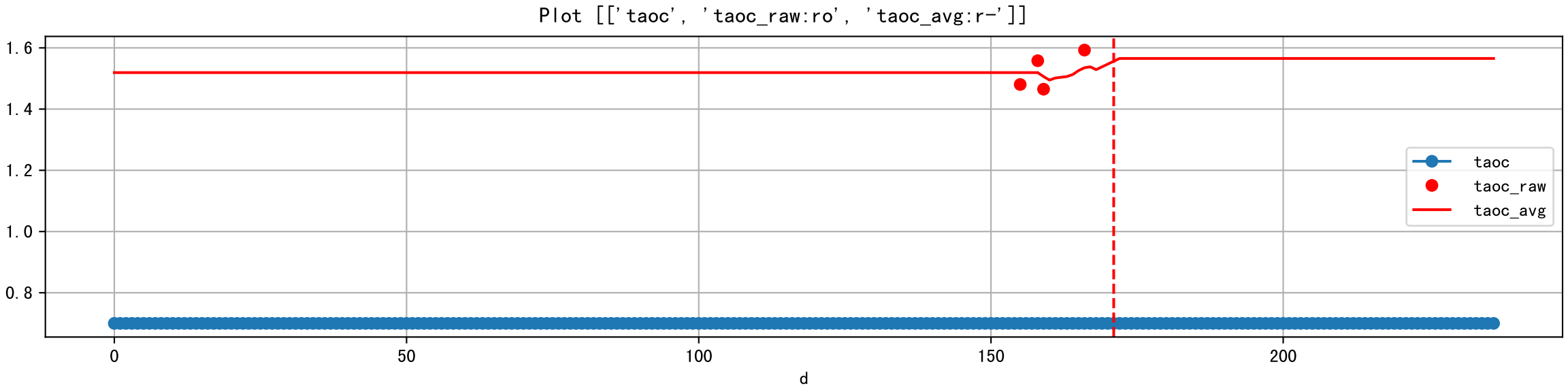


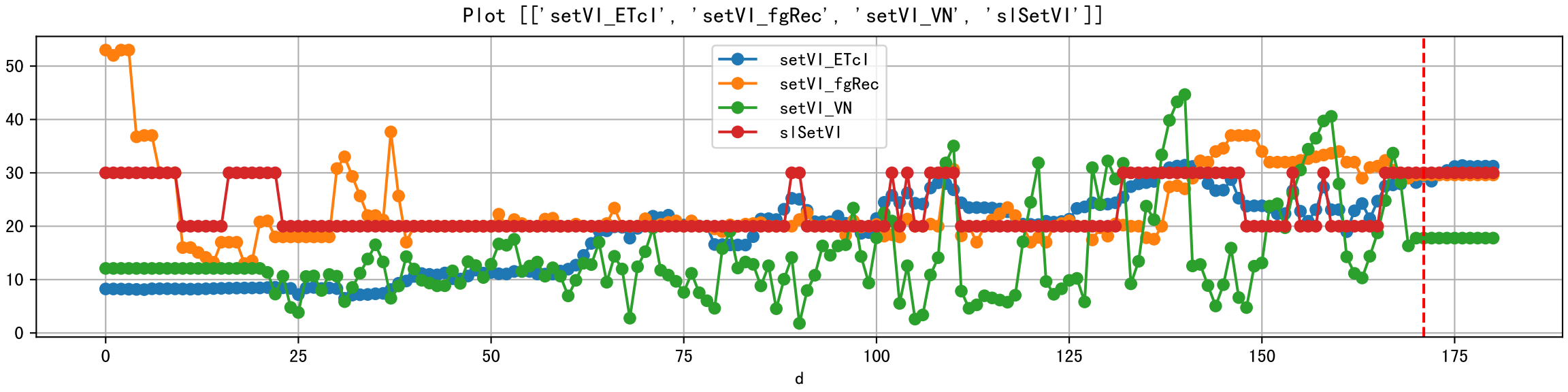


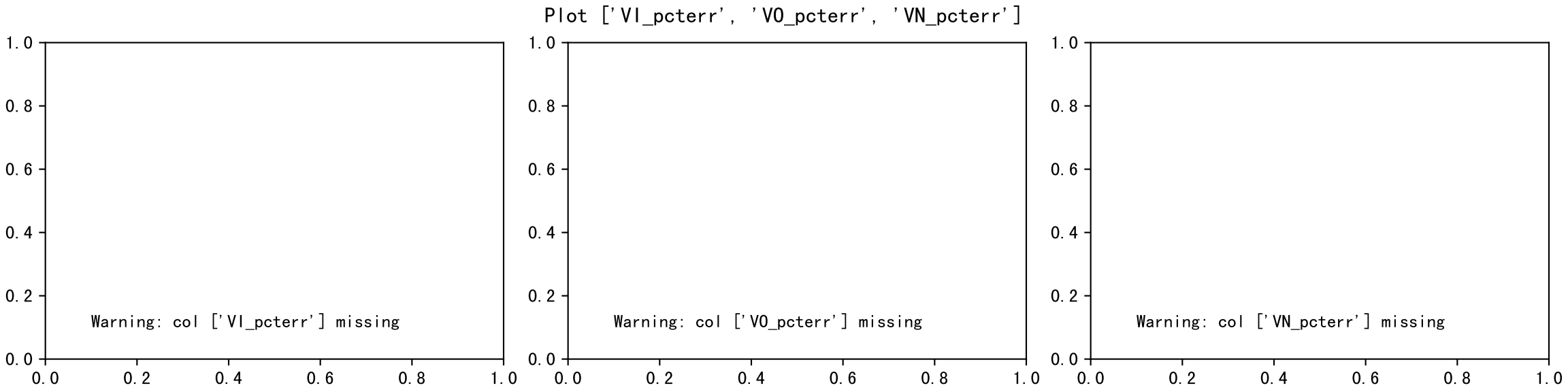


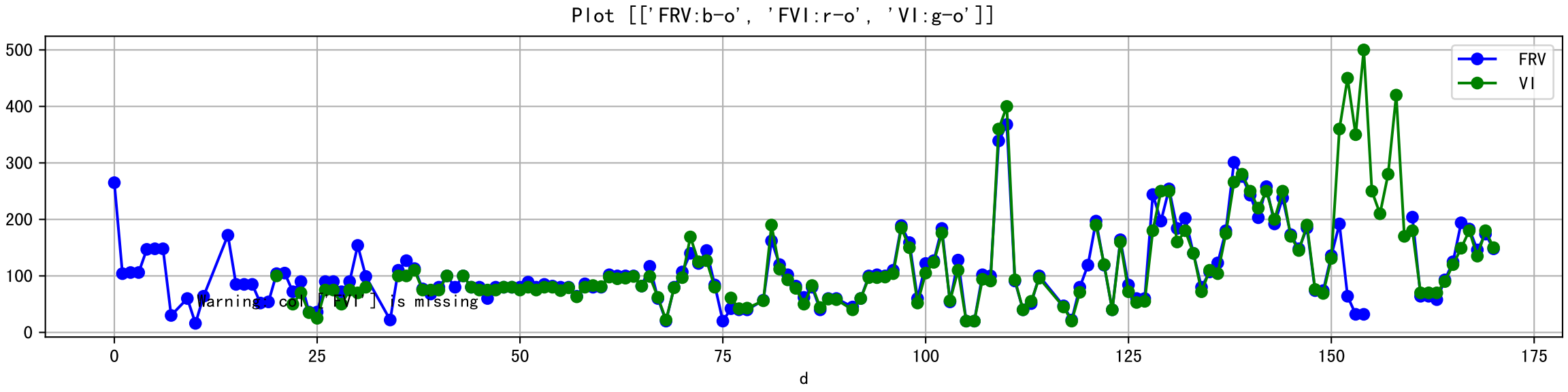


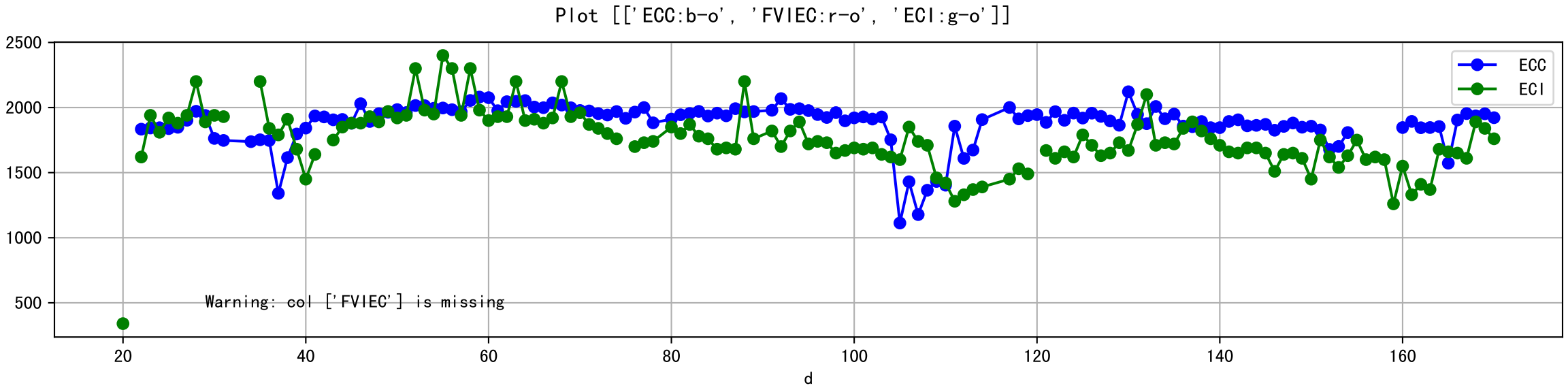


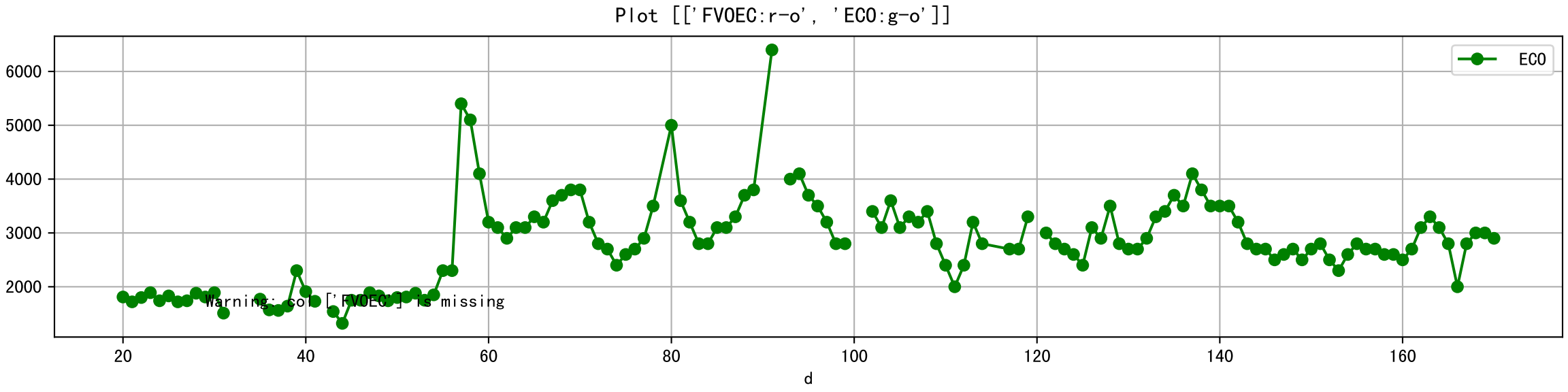

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
1.6
1.4
1.2
1.0
0.8
0
50
100
150
200
d
taoc
taoc_raw
taoc_avg

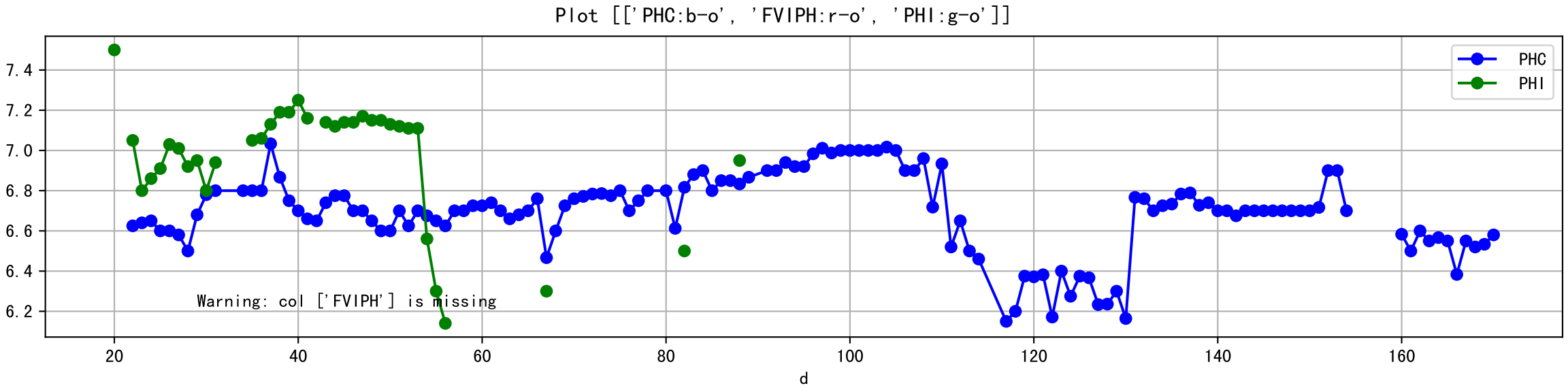

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
25
50
75
100
125
150
175
d

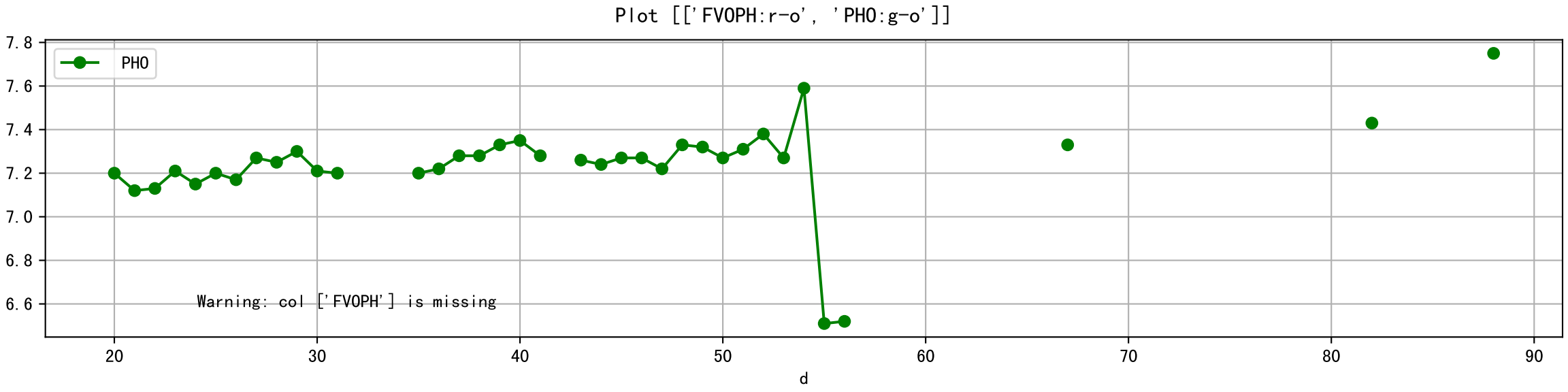

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

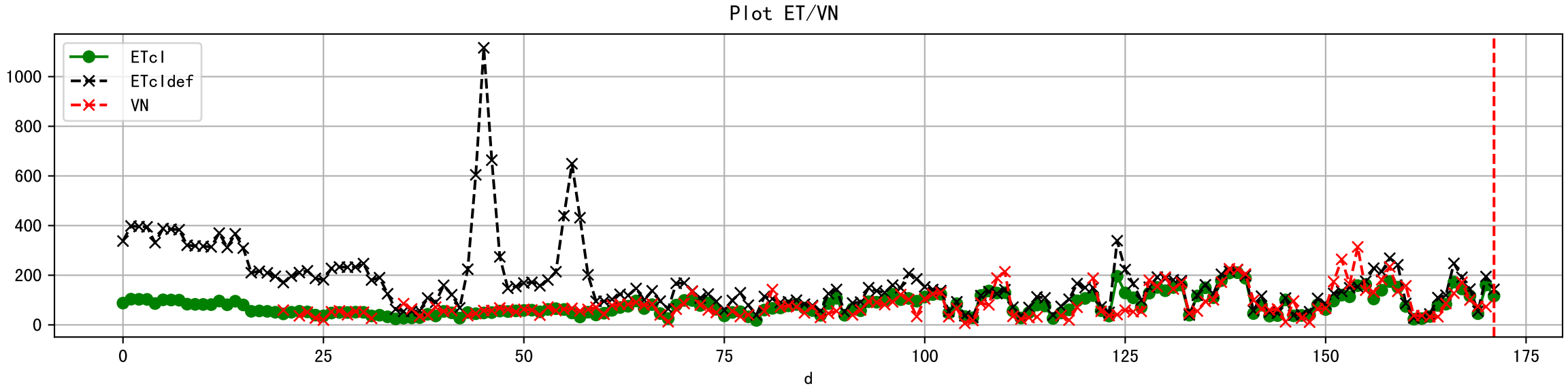

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d


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

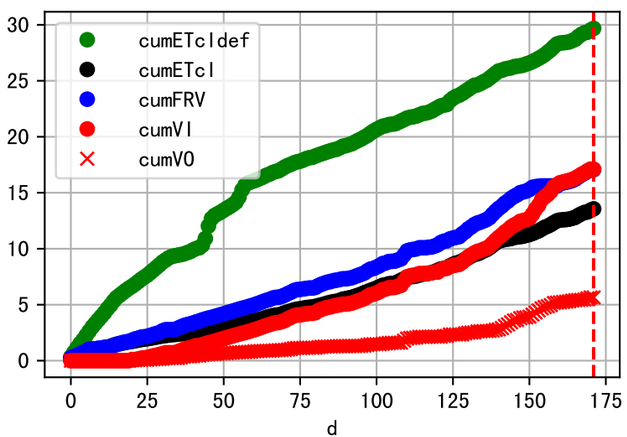

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
160
d

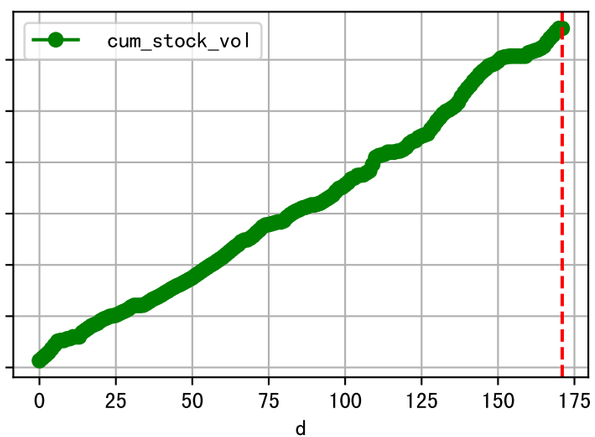

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
160
d

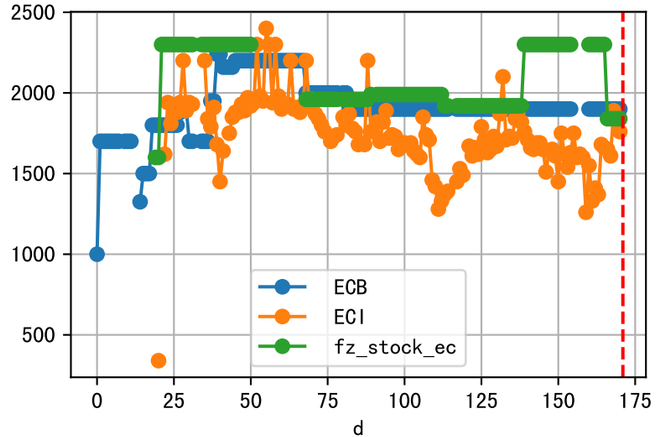

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

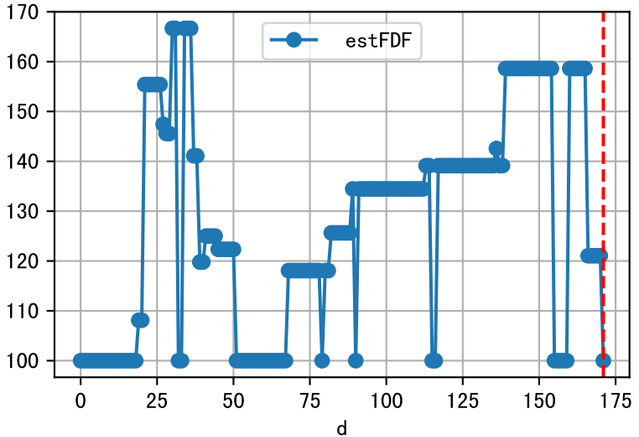

Plot ET/VN
ETcl
ETcldef
VN
1000
800
600
400
200
0
0
25
50
75
100
125
150
175
d

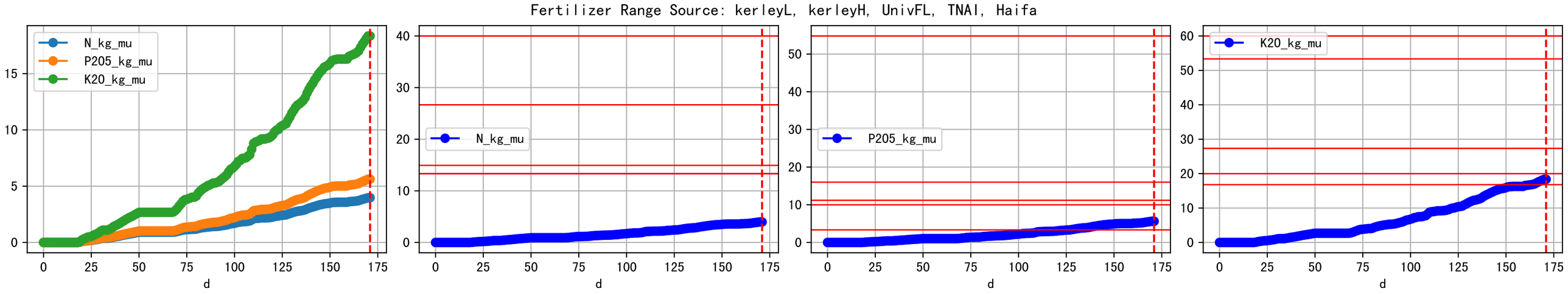
Plot Fv and fertilizer usage

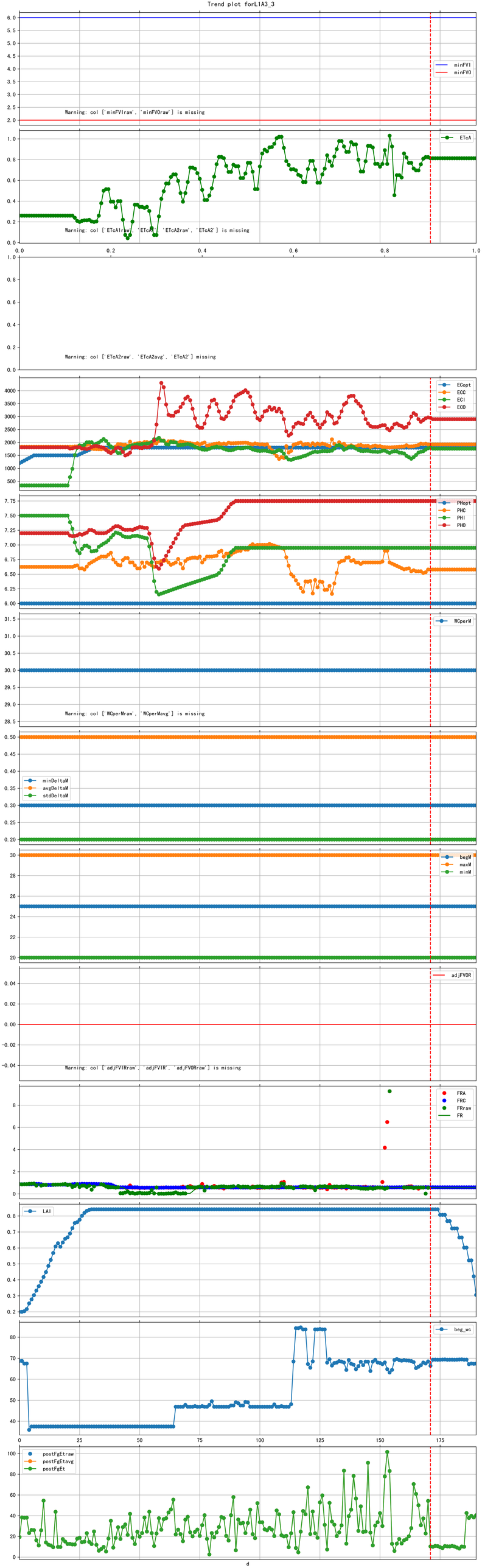


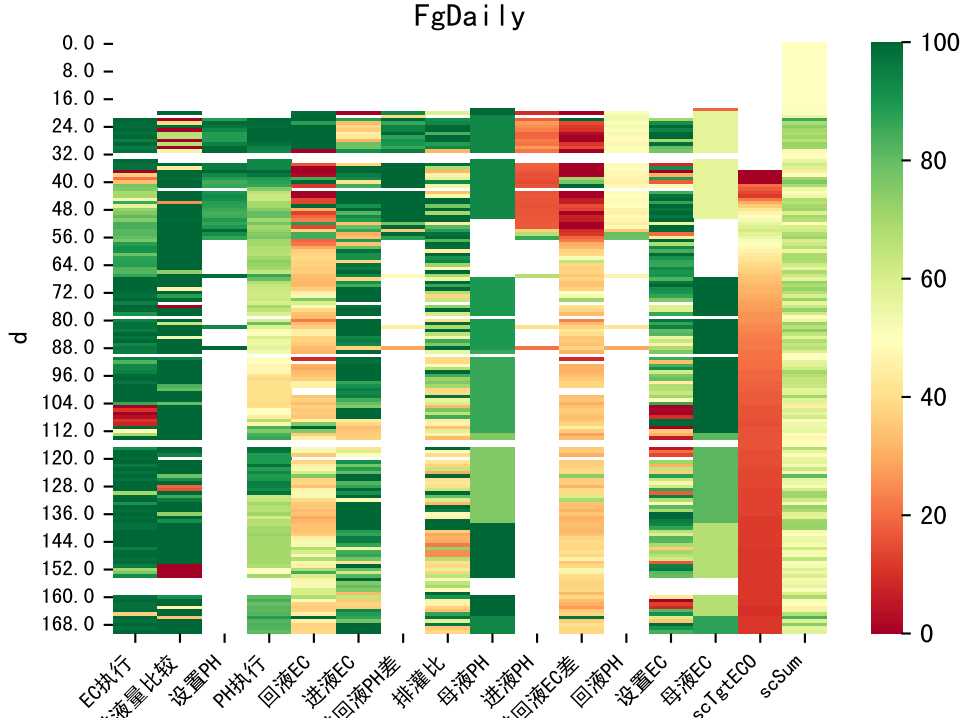




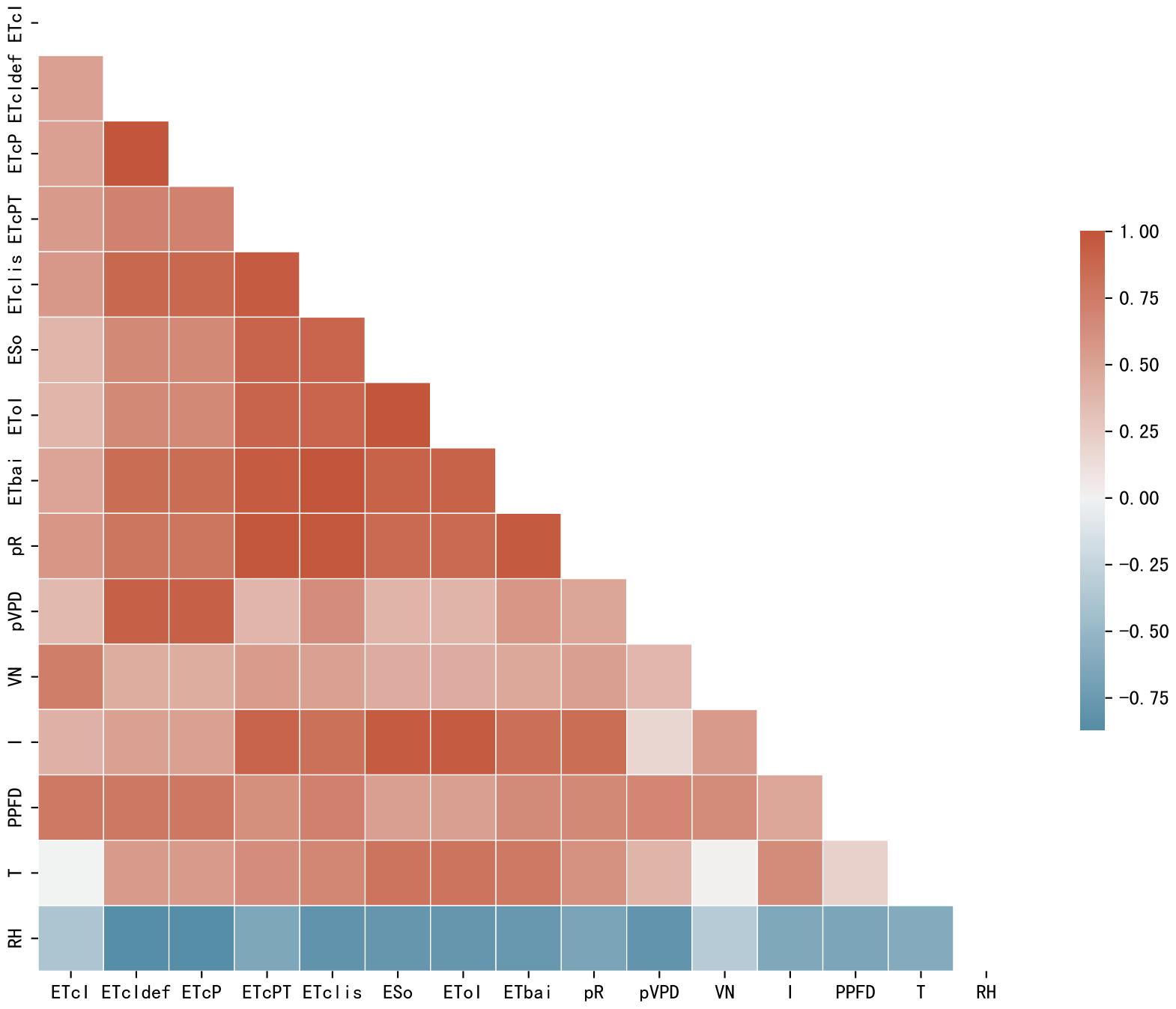


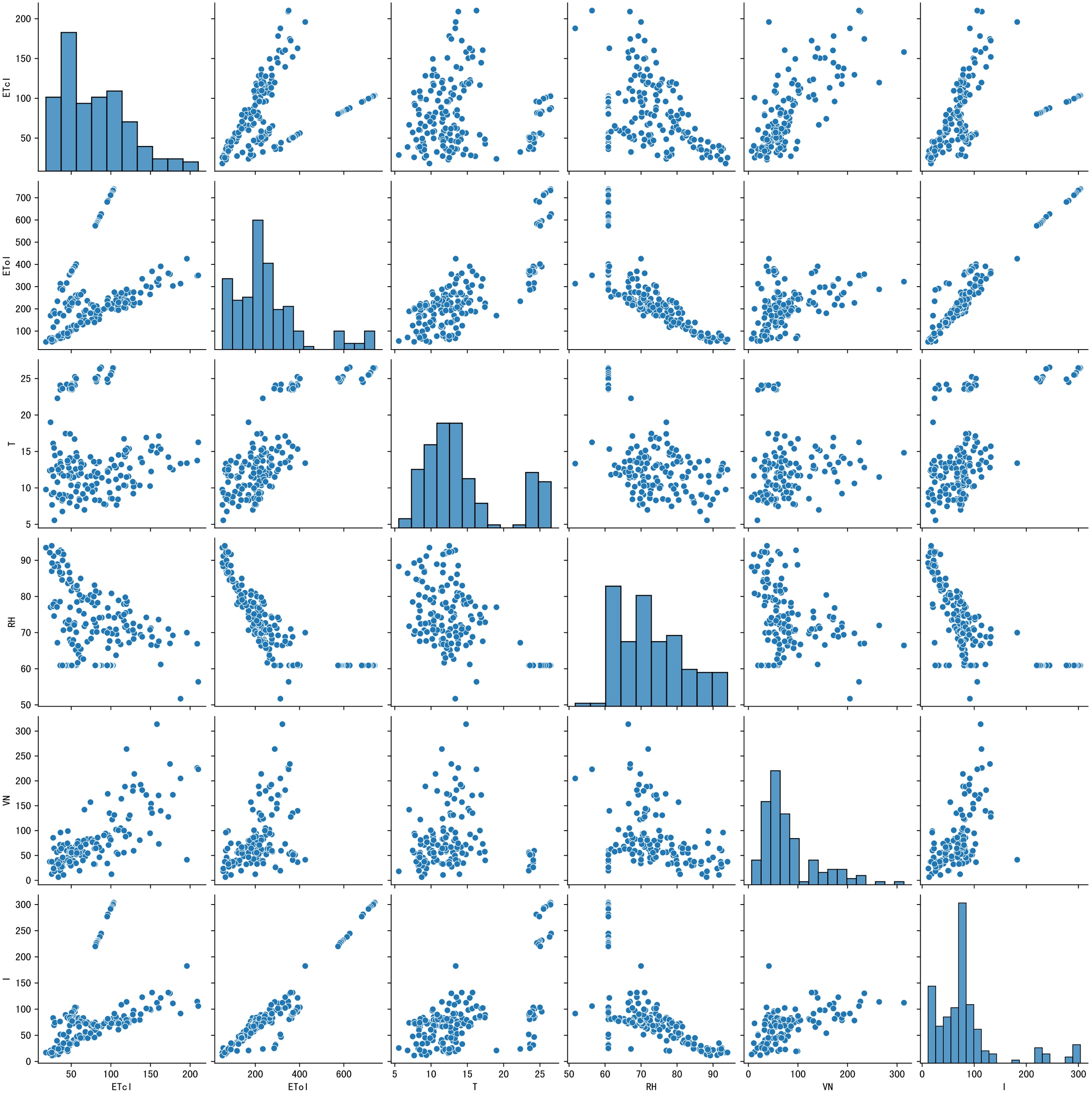

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

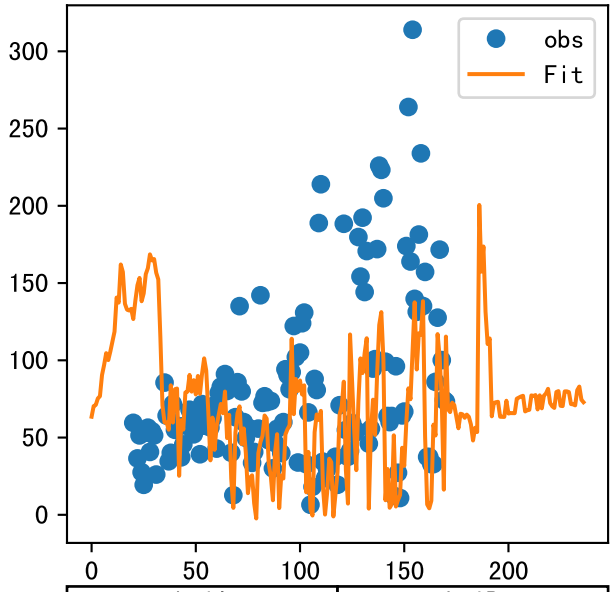

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is 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

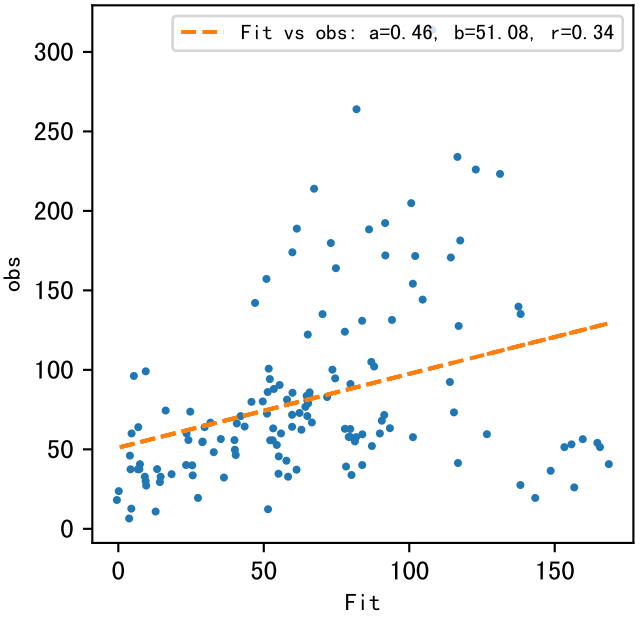

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
168.0
100
80
60
40
20
0
EC执行
设置PH
PH执行
回液EC
进液EC
排灌比
母液PH
进液PH
回液PH
设置EC
母液EC
scSum

L1A3_3

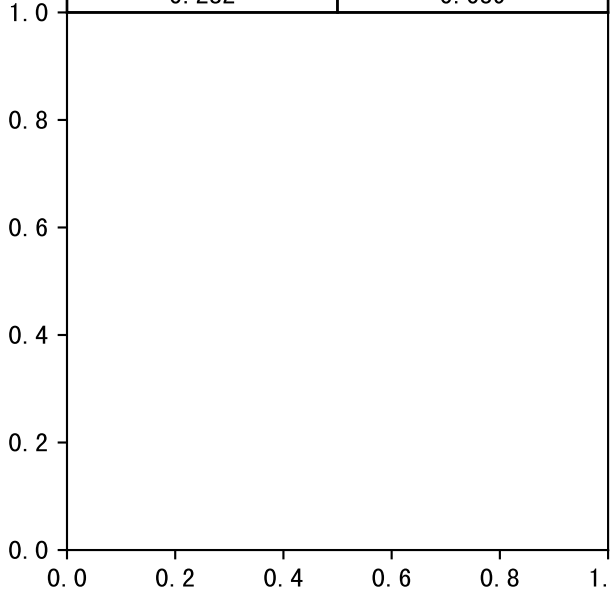

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

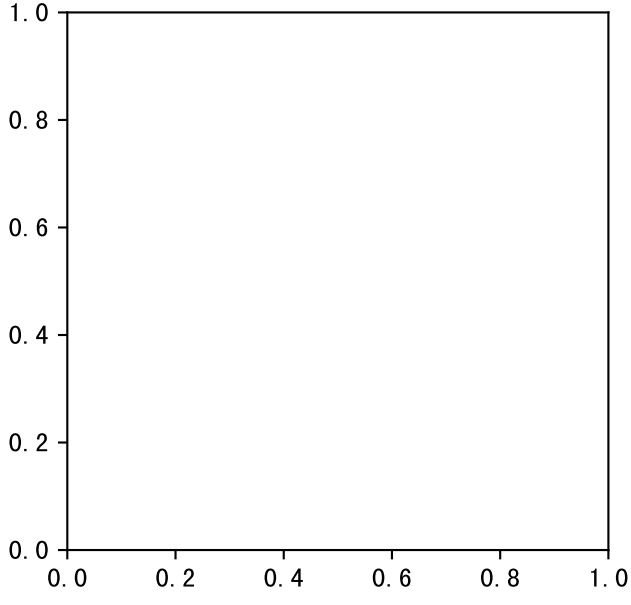

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

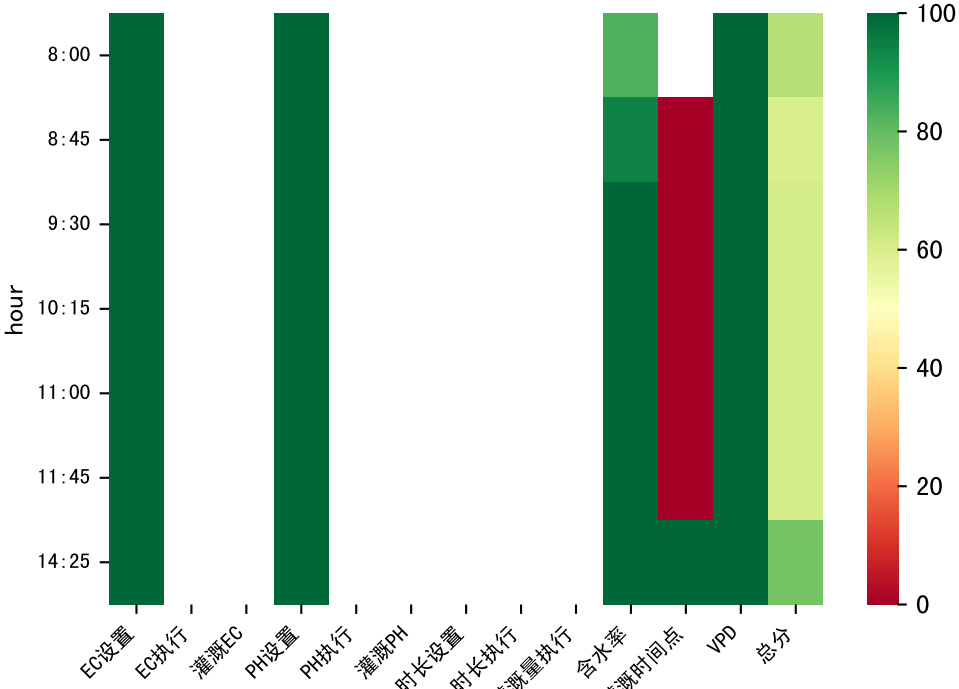




baiA	baiB
0.282	0.039

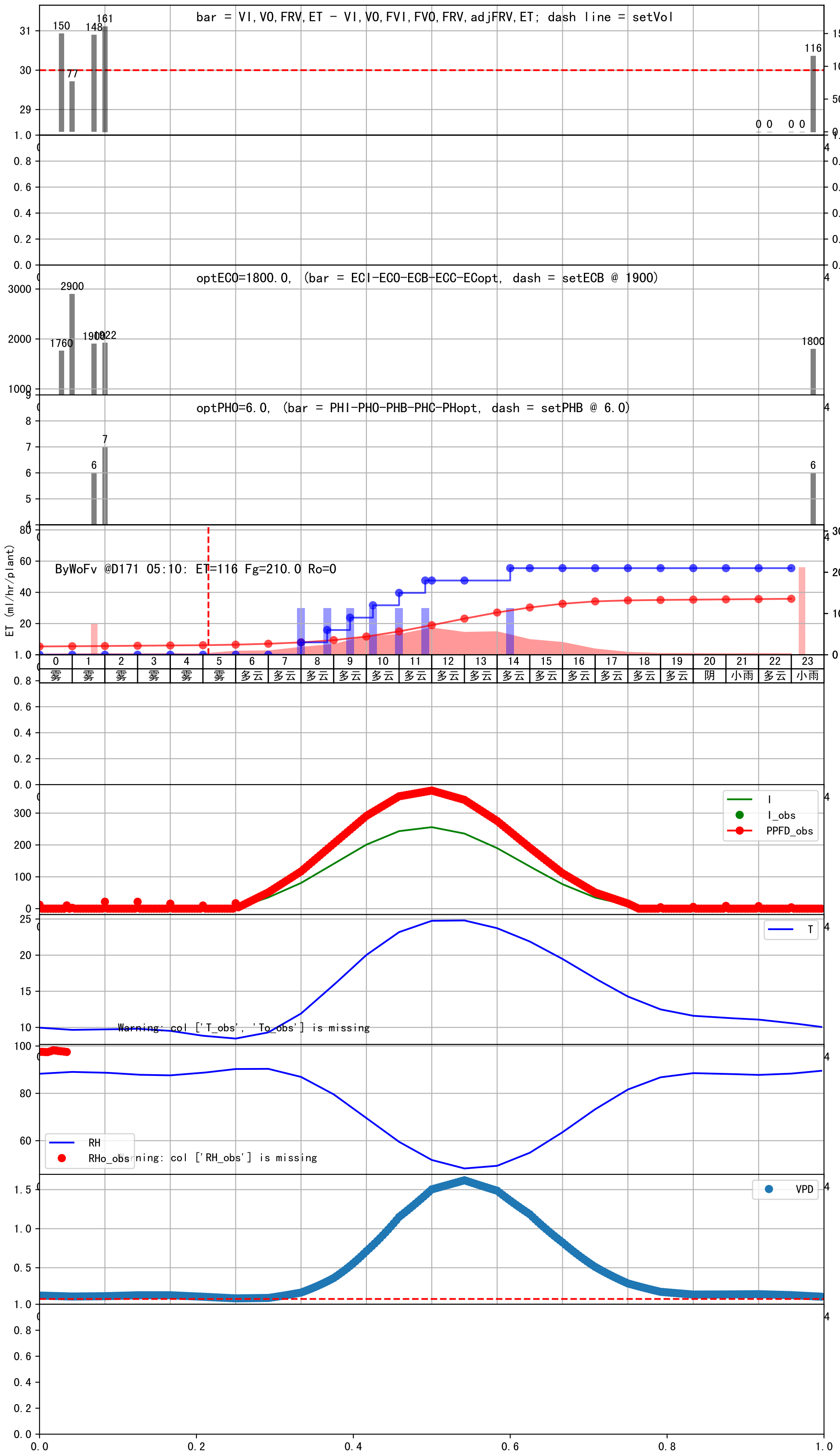


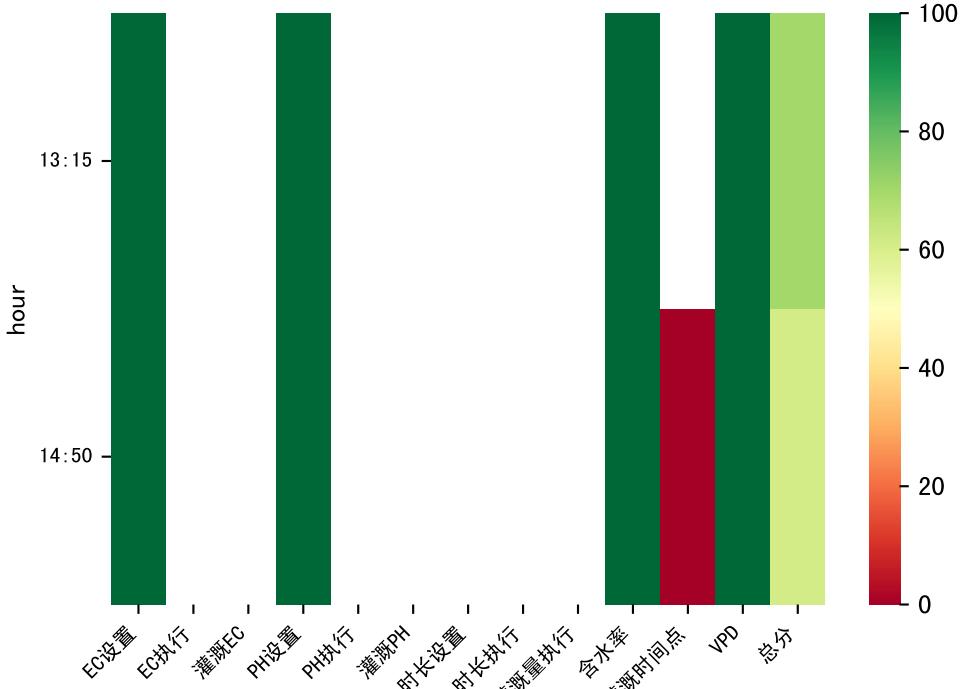



hour
8:00
8:45
9:30
10:15
11:00
11:45
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	53	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	53	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	53	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	53	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	53	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	53	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
14:25	53	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	371.0 (7次)	210.0			建议进液EC：1900， PH：6.0

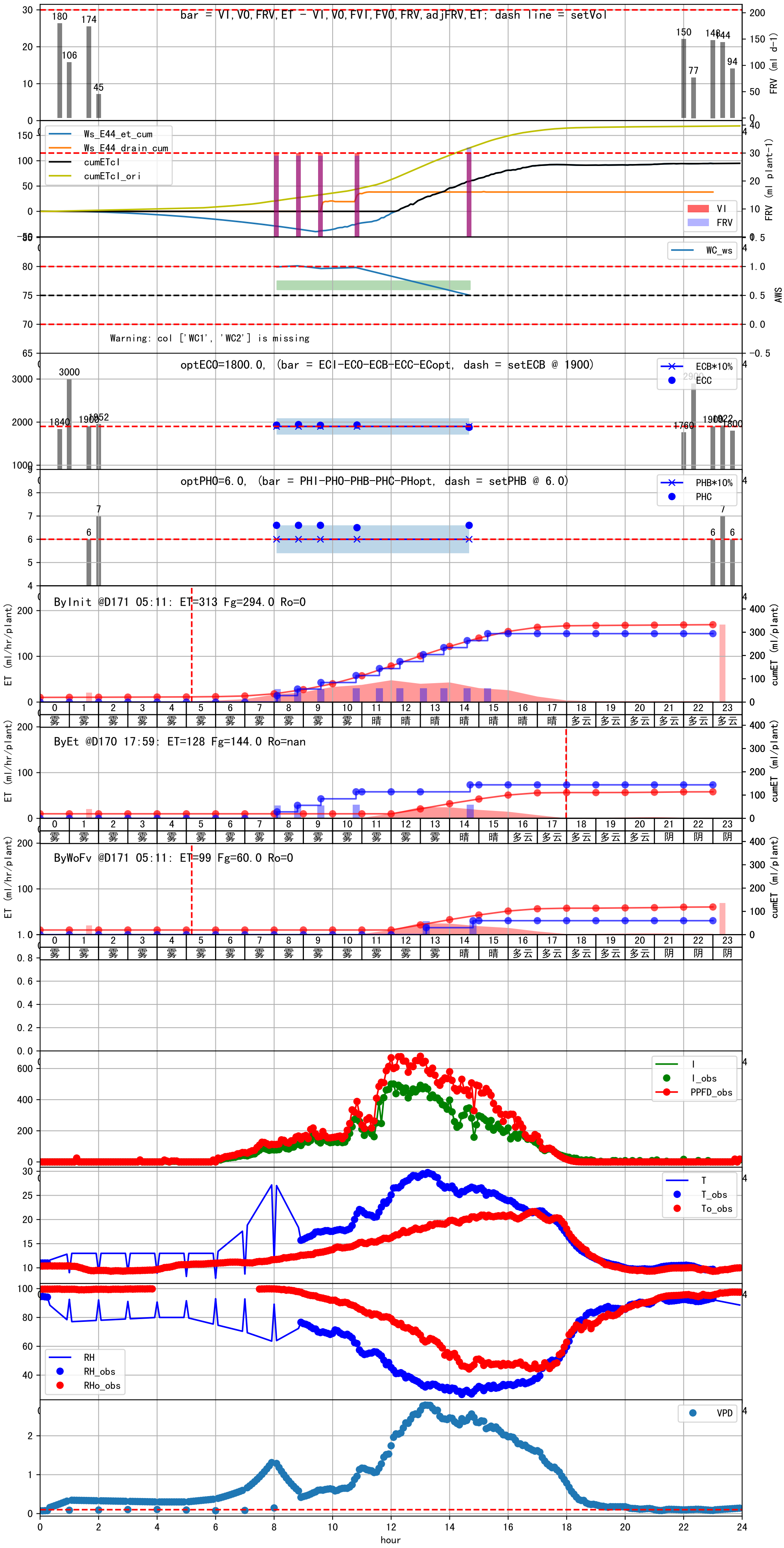
L1A3_3, Day=171 (2026-03-26)

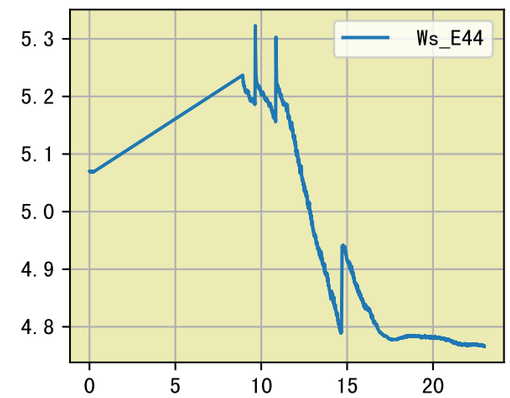


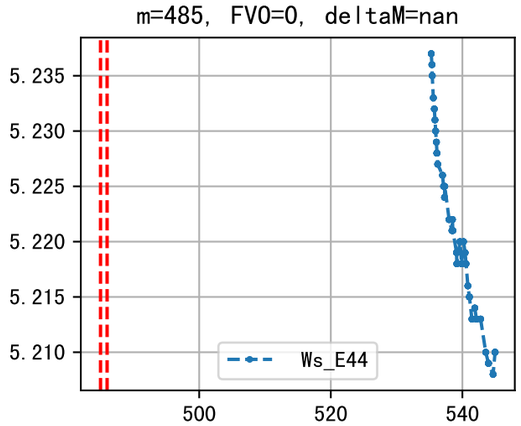

hour
13:15
14:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

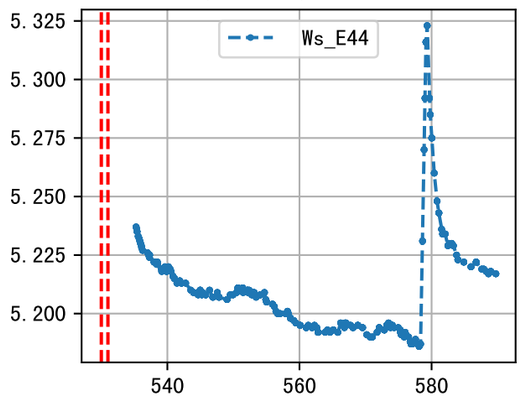
	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
5	53	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
0	53	30.0	0.122	晴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无）
计	106.0（2次）	60.0			建议进液EC：1900， PH：6.0

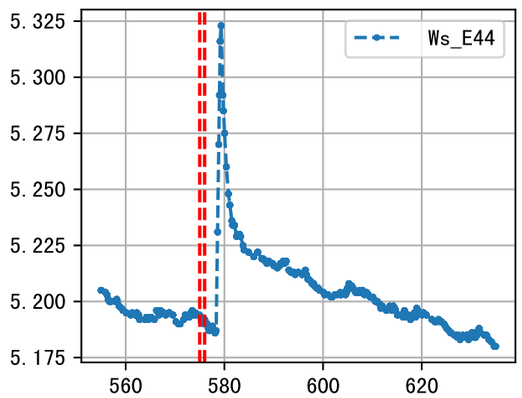
L1A3_3, Day=170.0 (2026-03-25)

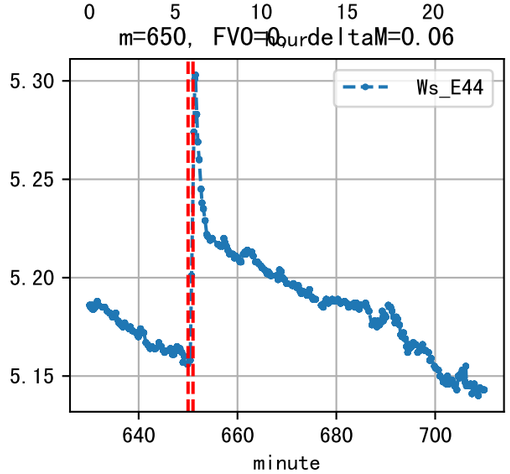


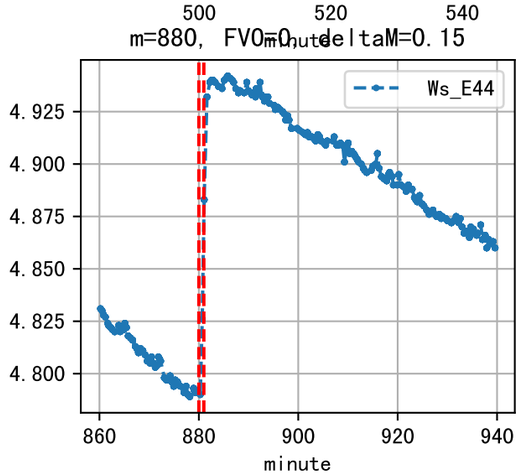

Ws_E44
5.3
5.2
5.1
5.0
4.9
4.8
0
5
10
15
20

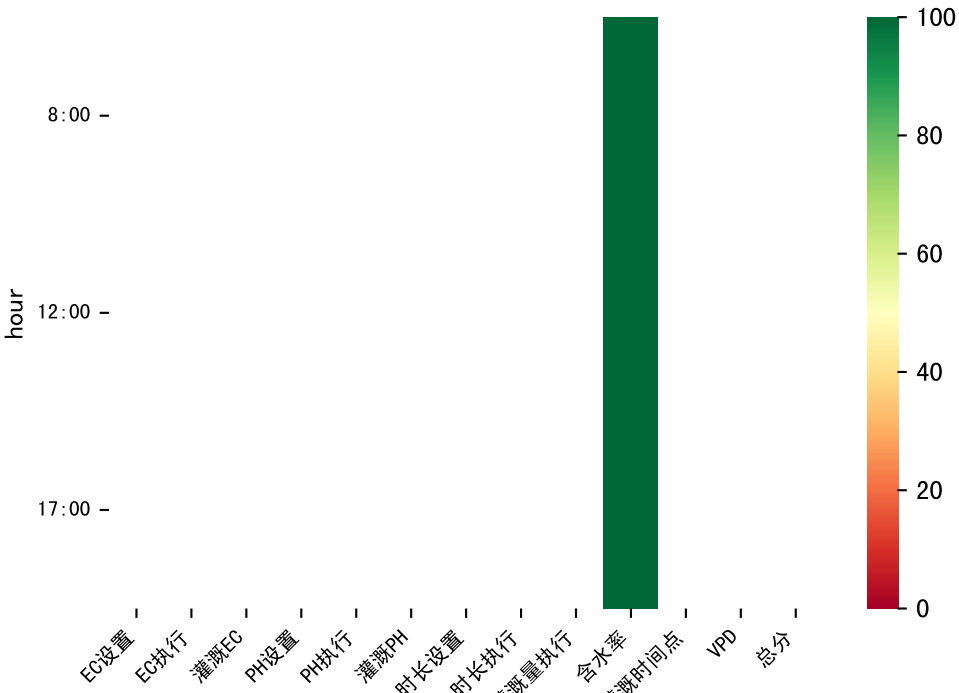

m=485, FV0=0, deltaM=nan
Ws_E44
5.235
5.230
5.225
5.220
5.215
5.210
500
520
540


m=530, FV0=0, deltaM=nan
Ws_E44
5.325
5.300
5.275
5.250
5.225
5.200
540
560
580
minute


m=575, FV0=0, deltaM=0.06
Ws_E44
5.325
5.300
5.275
5.250
5.225
5.200
5.175
560
580
600
620
minute

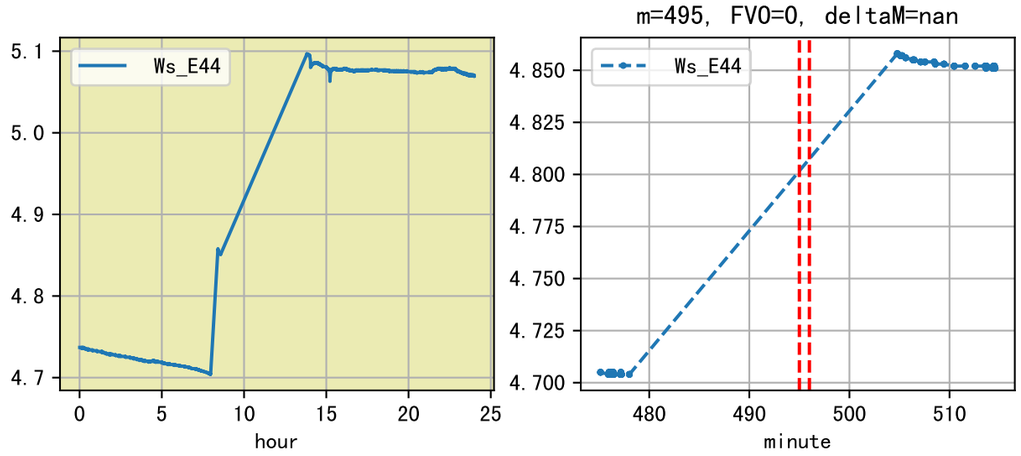

m=650, FV0=0, deltaM=0.06
Ws_E44
5.30
5.25
5.20
5.15
640
660
680
700
minute

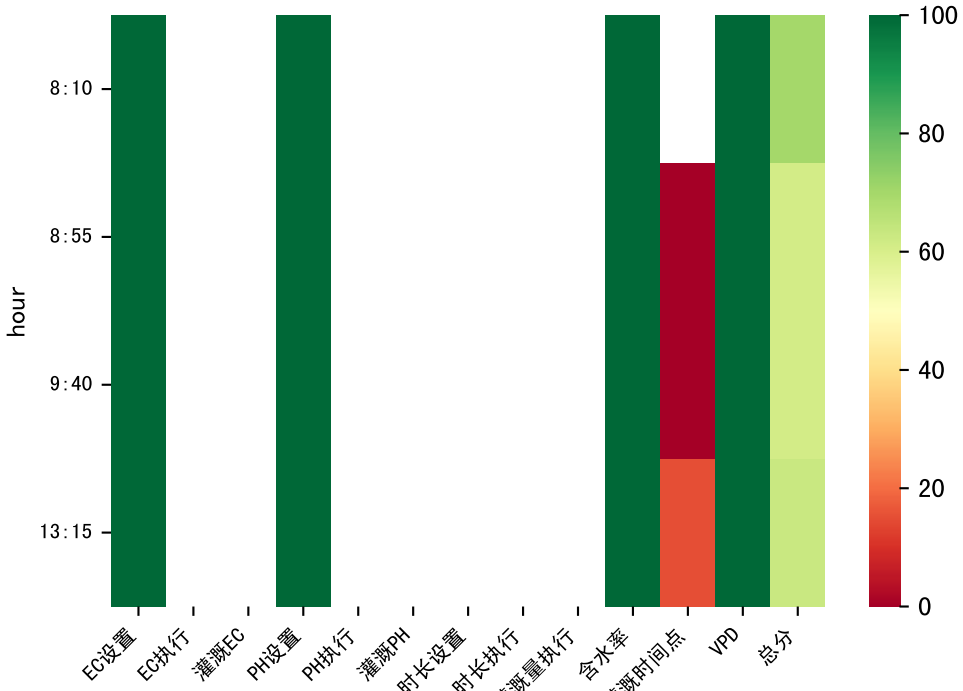

m=880, FV0=0, deltaM=0.15
Ws_E44
4.925
4.900
4.875
4.850
4.825
4.800
860
880
900
920
940
minute


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

L1A3_3, Day=169.0 (2026-03-24)

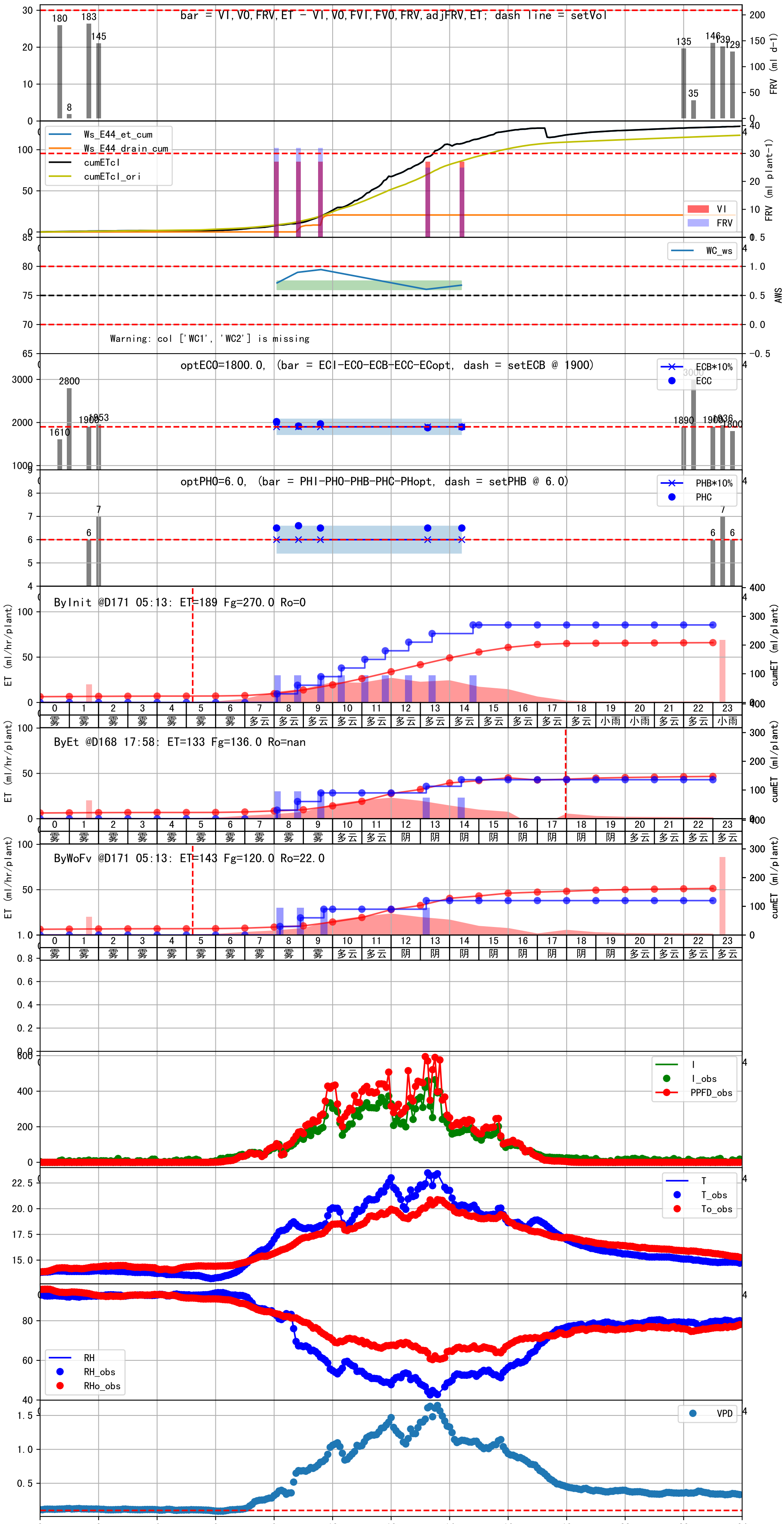

m=495, FVO=0, deltaM=nan
Ws_E44
5.1
5.0
4.9
4.8
4.7
0
5
10
15
20
25
hour
Ws_E44
4.850
4.825
4.800
4.775
4.750
4.725
4.700
480
490
500
510
minute

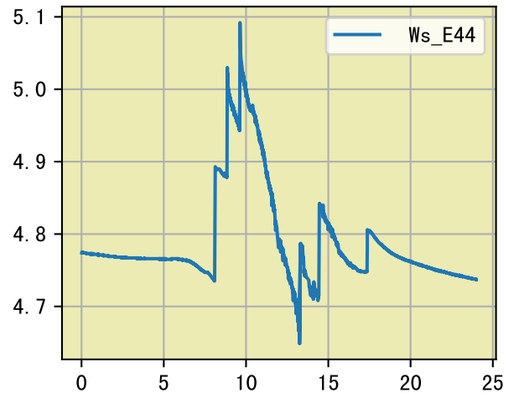

hour
8:10
8:55
9:40
13:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

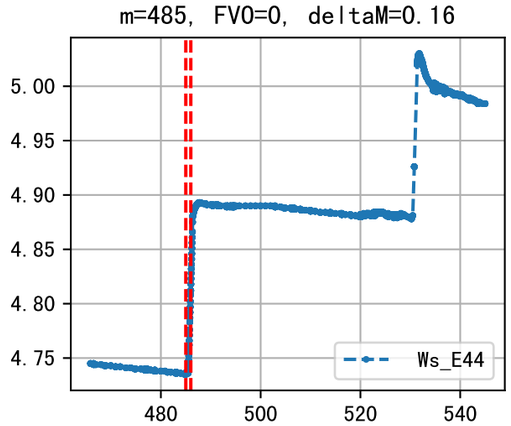
灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
52	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
52	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
52	30.0	0.122	雾	假设（未预测） 未知程序（未用进回液传感器）（预期回液 22 ml/株
52	30.0	0.122	阴	假设（未预测） 未知程序（未用进回液传感器）（预期回液 无
208.0（4次）	120.0			建议进液EC：1900， PH：6.

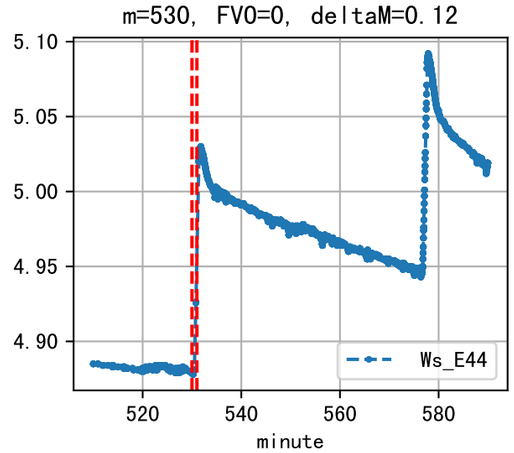
上次灌溉时长未按模型建议(40 vs 52.0))
默认实际灌溉23.0 ml.

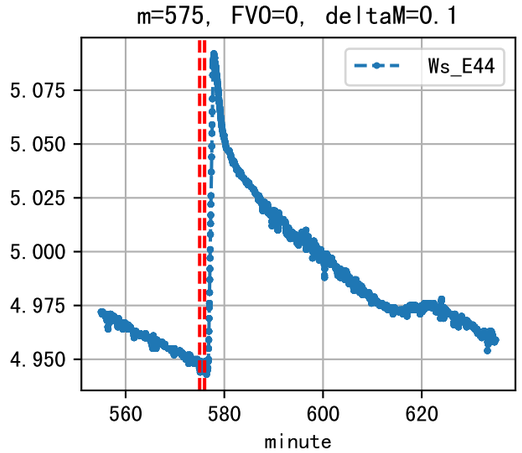
L1A3_3, Day=168.0 (2026-03-23)

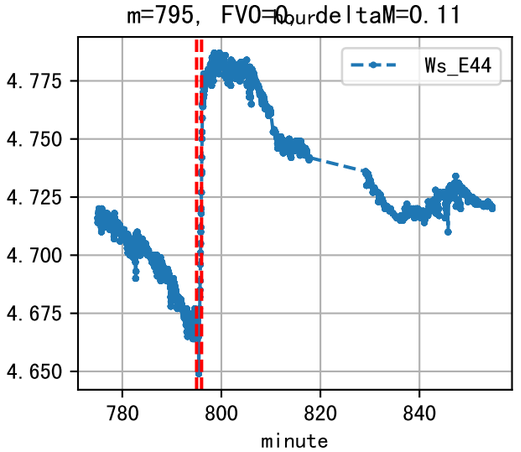


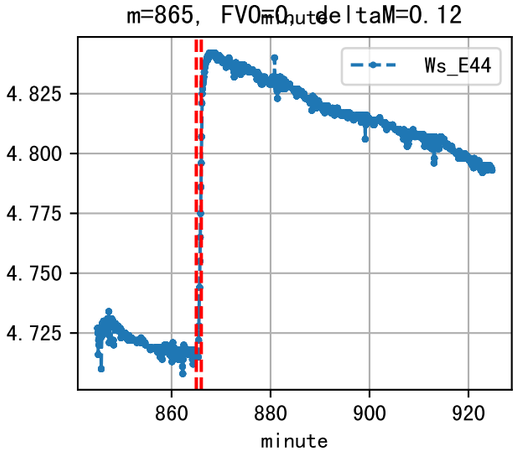

Ws_E44

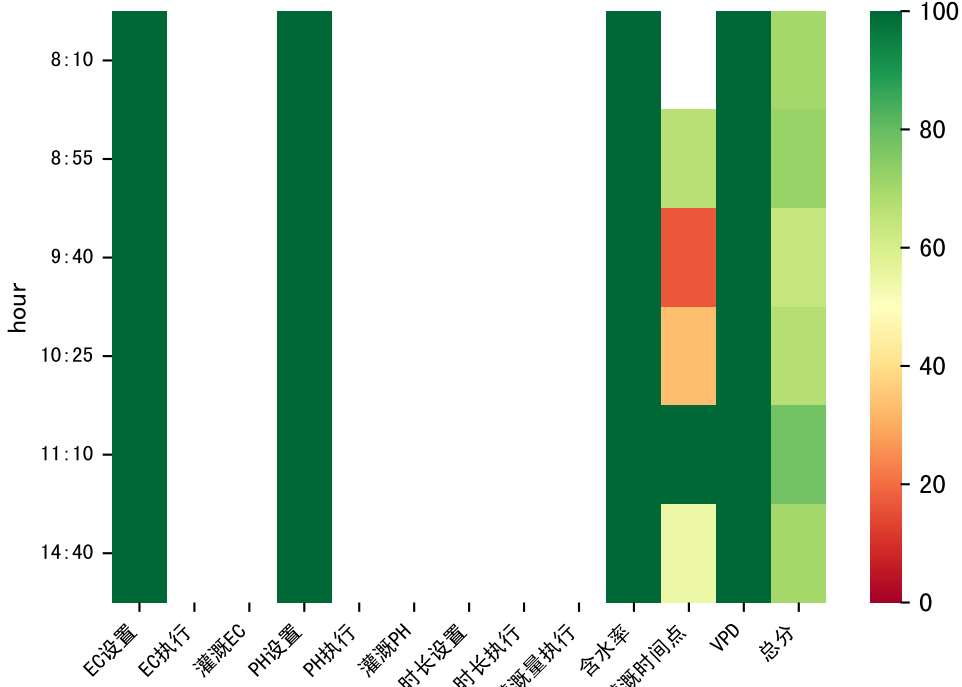

m=485, FV0=0, deltaM=0.16
Ws_E44


m=530, FV0=0, deltaM=0.12
Ws_E44
minute


m=575, FV0=0, deltaM=0.1
Ws_E44
minute

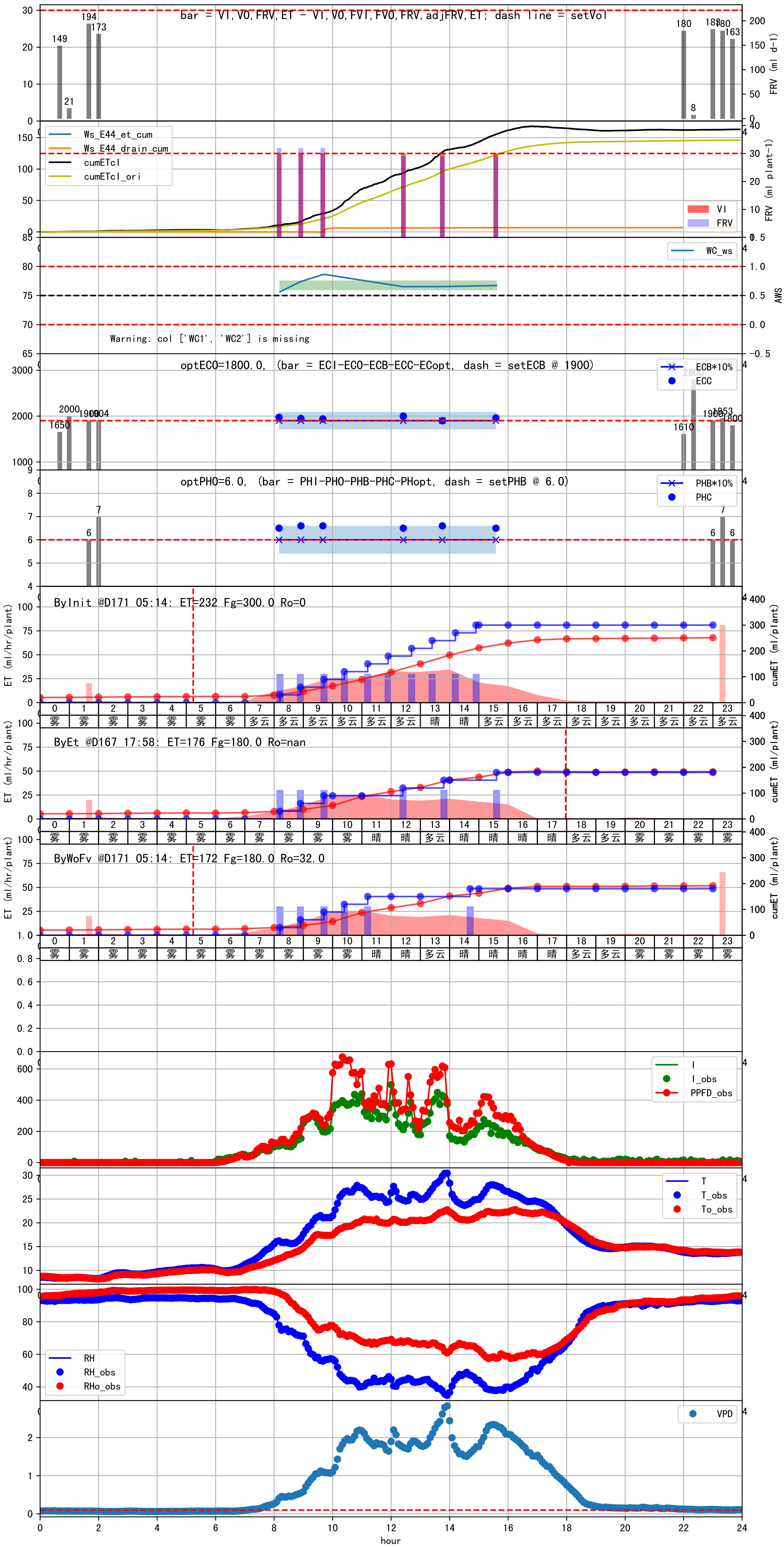

m=795, FV0=0, deltaM=0.11
Ws_E44
minute

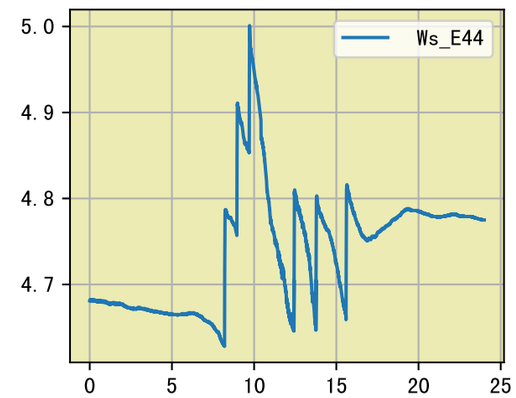

m=865, FV0=0, deltaM=0.12
Ws_E44
minute


hour
8:10
8:55
9:40
10:25
11:10
14:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
52	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
52	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
52	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 2 ml/株
52	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 16 ml/株
52	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 14 ml/株
52	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
312.0（6次）	180.0			建议进液EC：1900， PH：6.

L1A3_3, Day=167.0 (2026-03-22)

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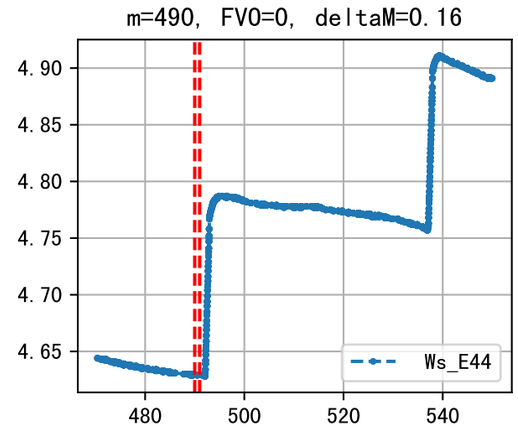
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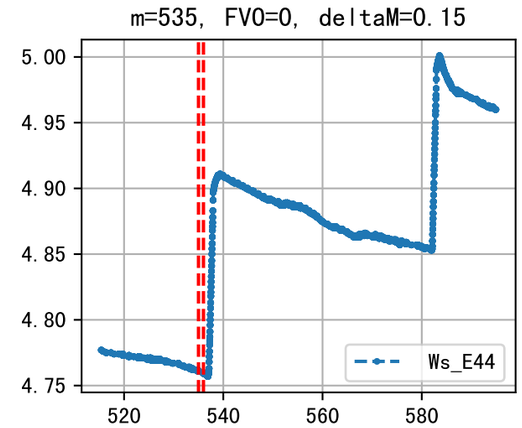
Ws_E44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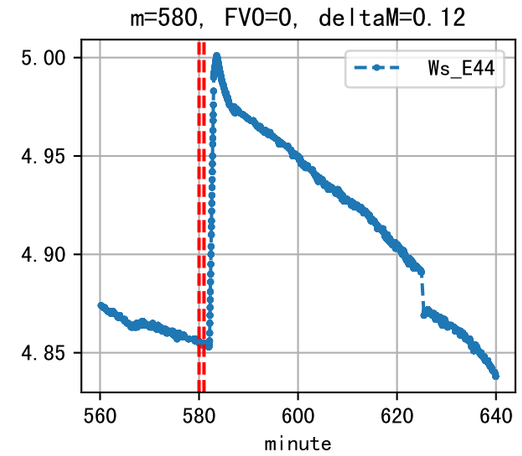
Ws_E44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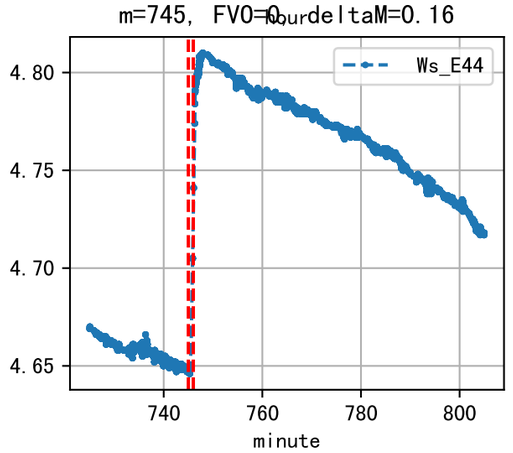
minute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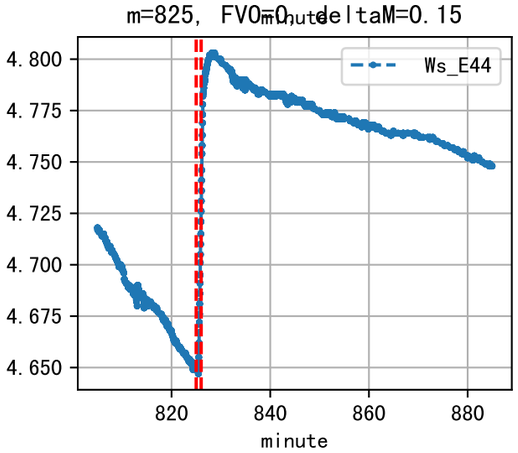
Ws_E44
minute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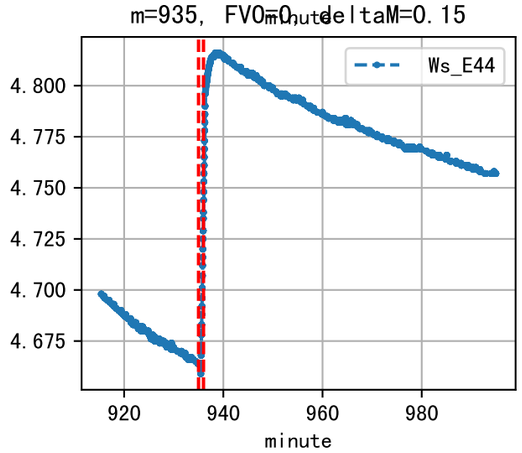
minute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Ws_E44
minute