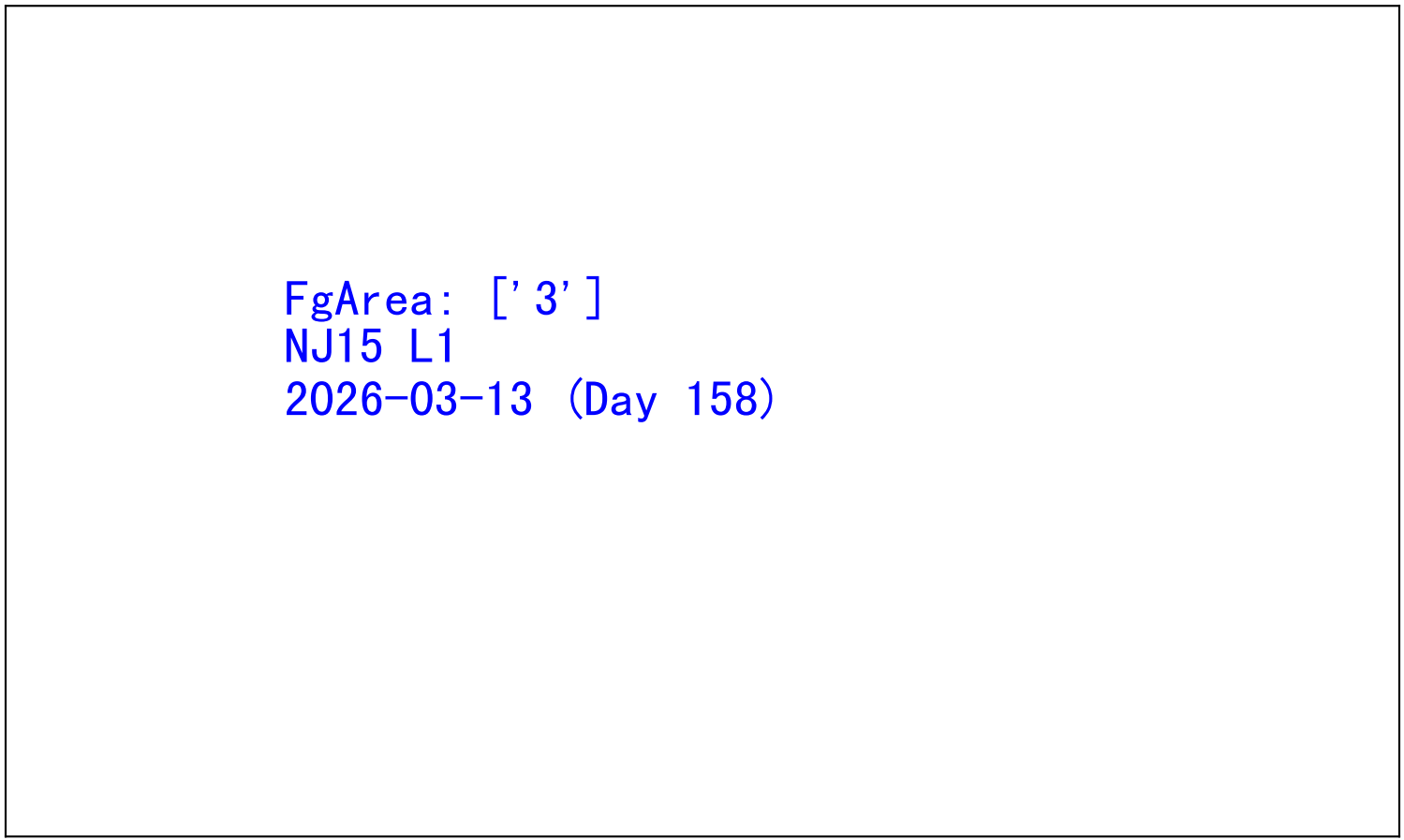
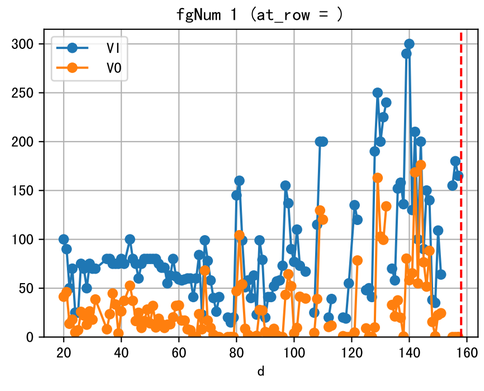
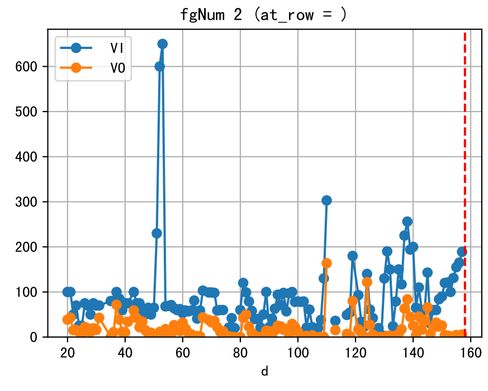
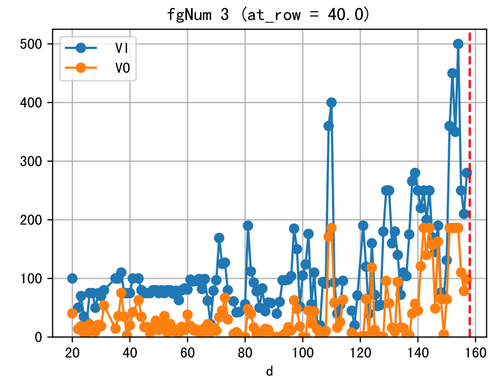
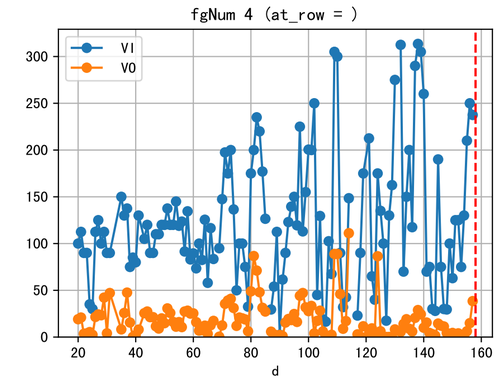
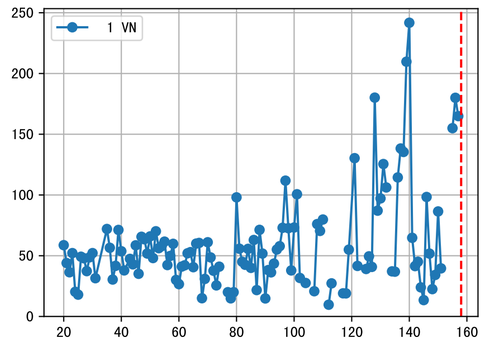

FgArea: ['3']
NJ15 L1
2026-03-13 (Day 158)

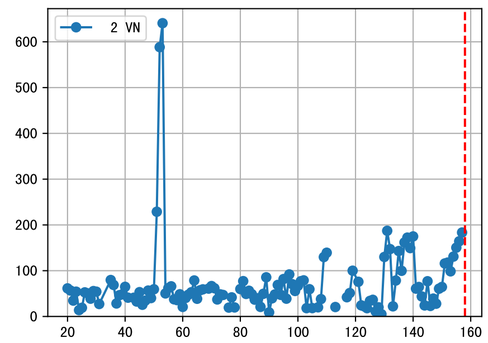

fgNum 1 (at_row =)
VI
VO
d

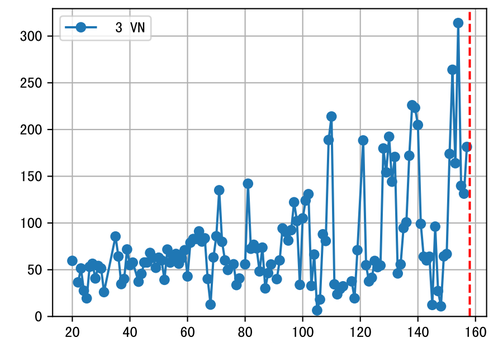

fgNum 2 (at_row =)
VI
VO
d

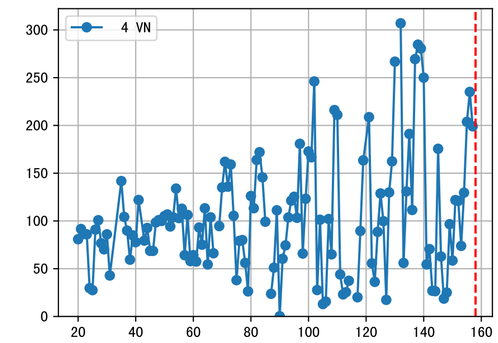

fgNum 3 (at_row = 40.0)
VI
VO
d

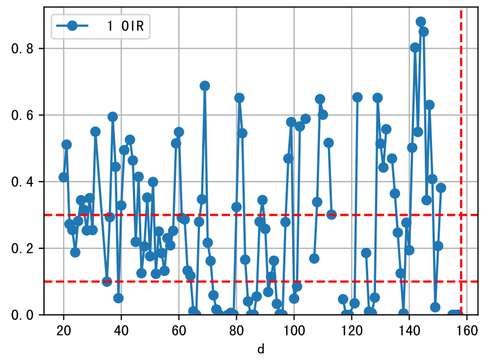

fgNum 4 (at_row =)
VI
VO
d

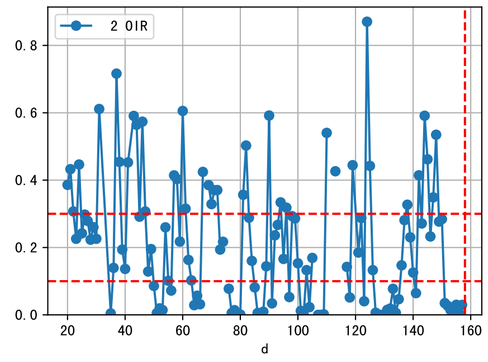

1 VN
d

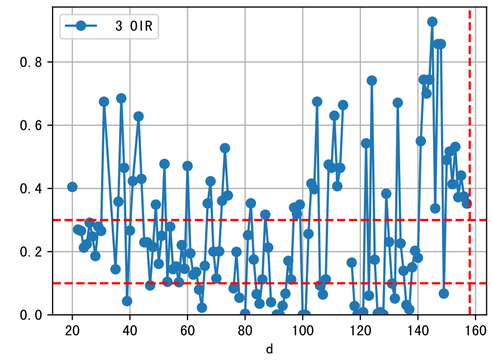

2 VN
d

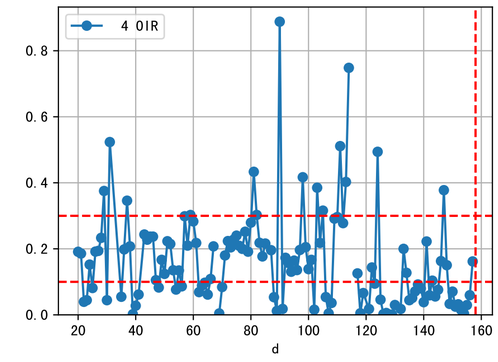

3 VN
d

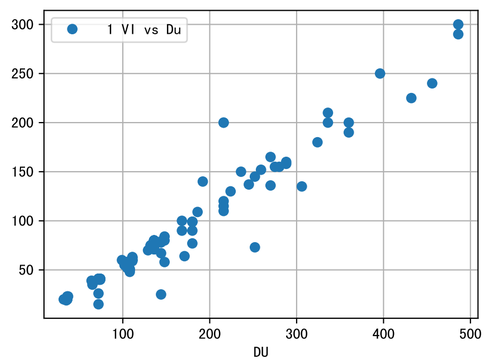

4 VN
d

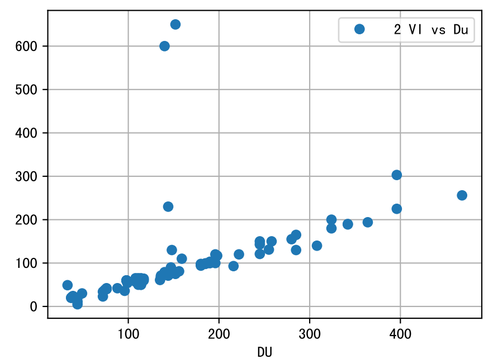

1 OIR
d

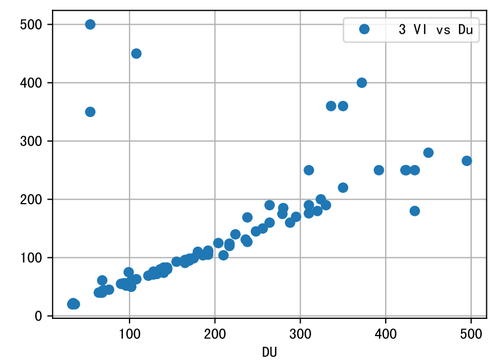

2 OIR
d

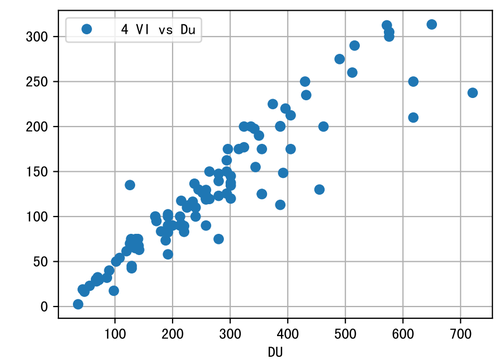

3 OIR
d

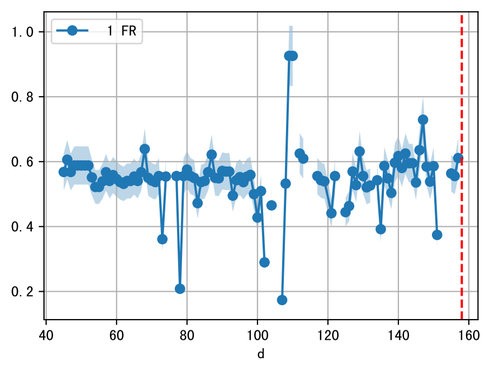

4 OIR
d

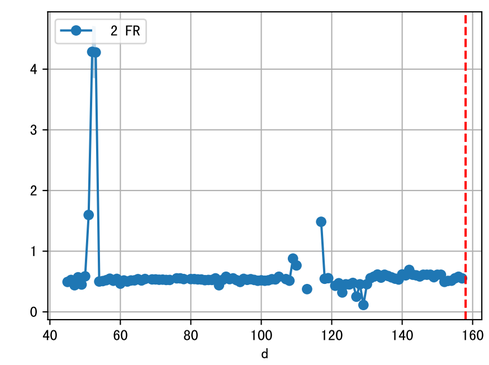

1 VI vs Du
DU

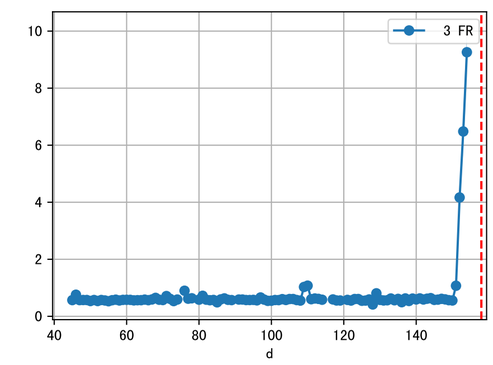

2 VI vs Du
DU

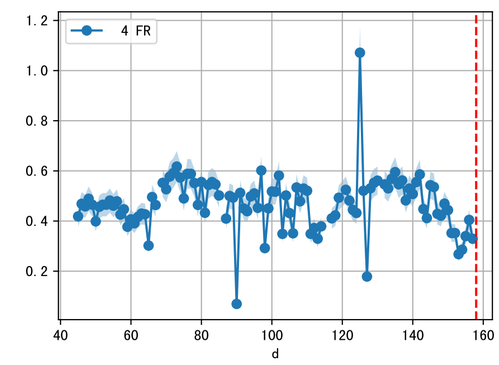

3 VI vs Du
DU

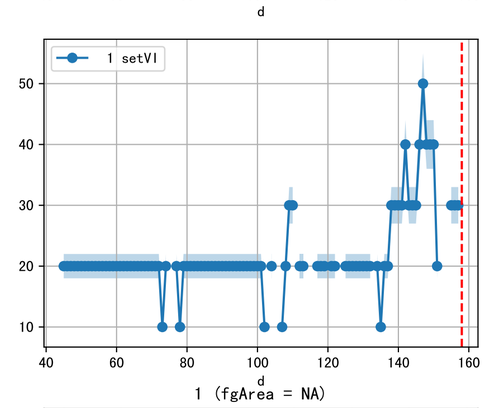

4 VI vs Du
DU

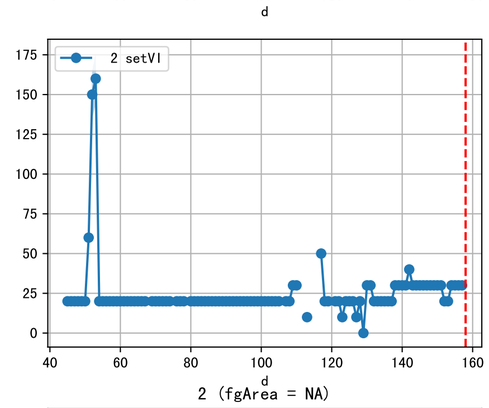

1 FR
d

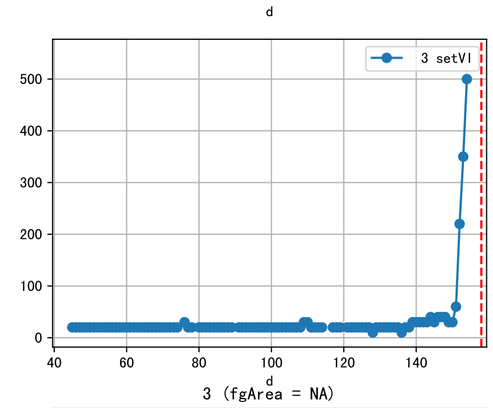

2 FR
d

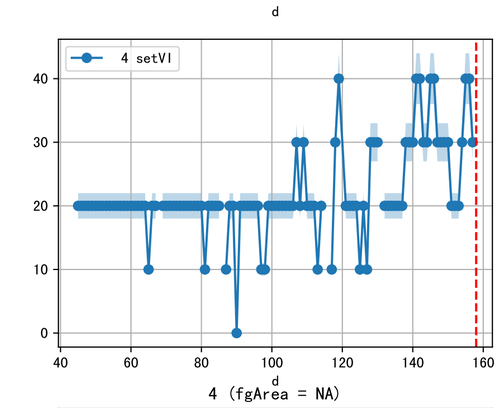

3 FR
d

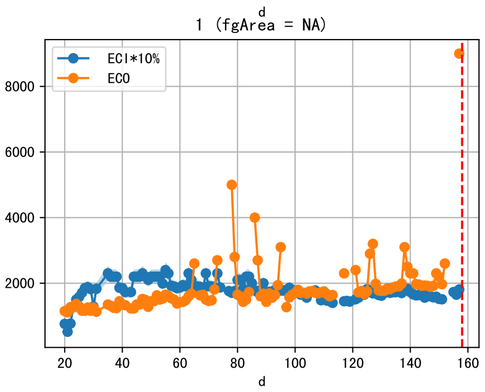

4 FR
d

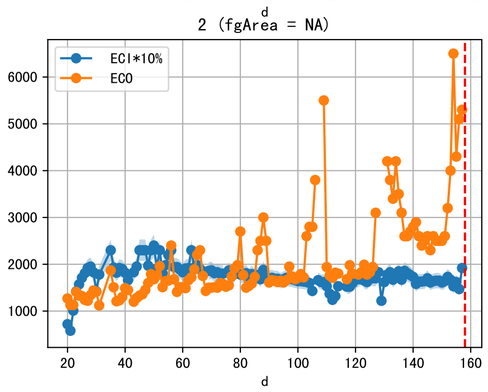

1 setVI
d

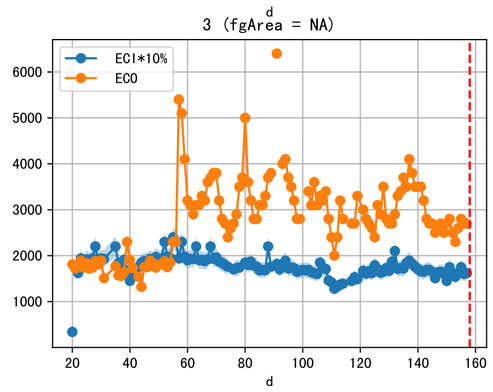

2 setVI
d

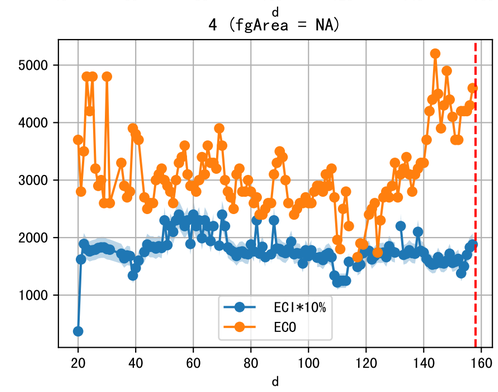

3 setVI
d

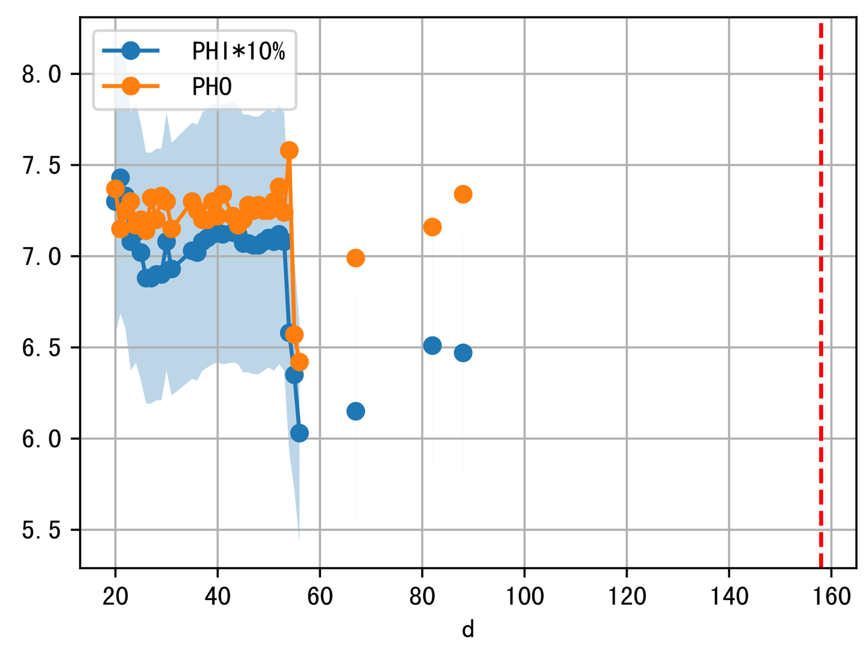

4 setVI
d

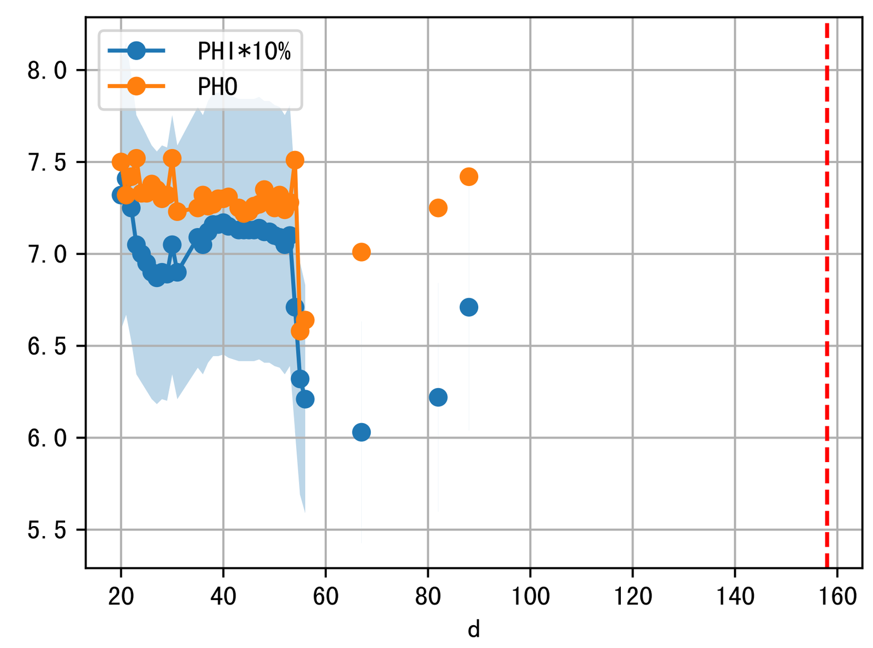

1 (fgArea = NA)
ECI*10%
ECO
d

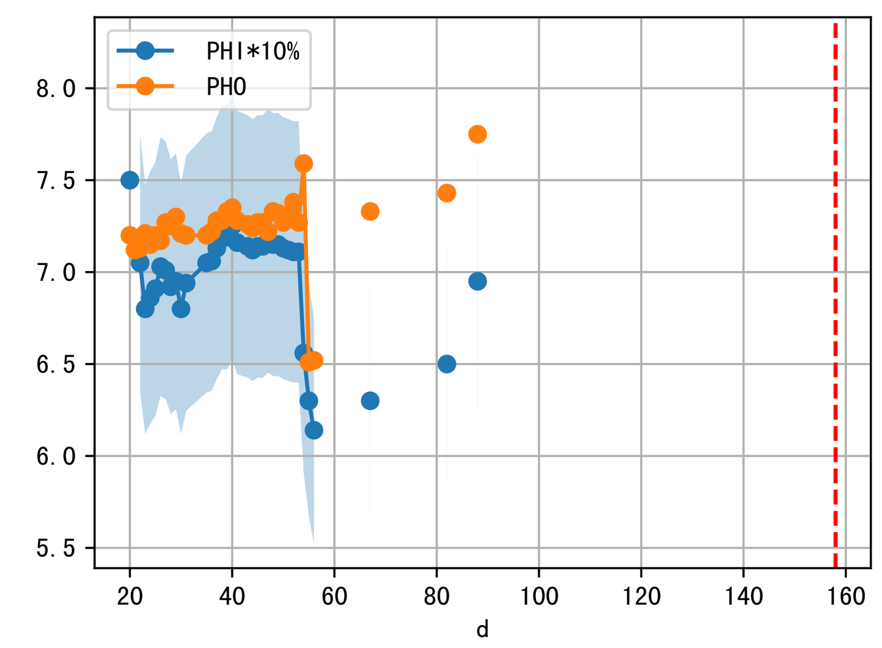

2 (fgArea = NA)
ECI*10%
ECO
d

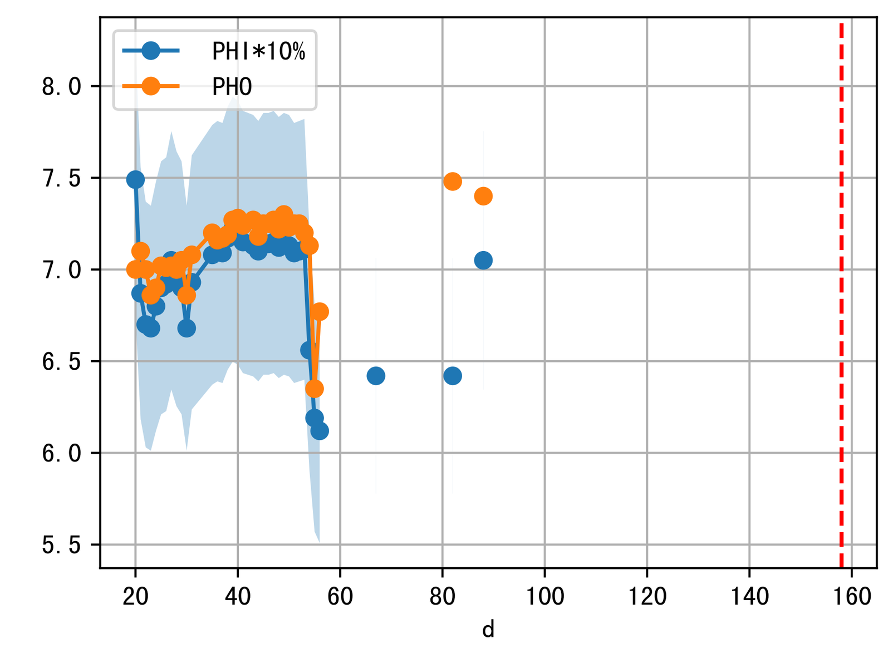

3 (fgArea = NA)
ECI*10%
ECO
d

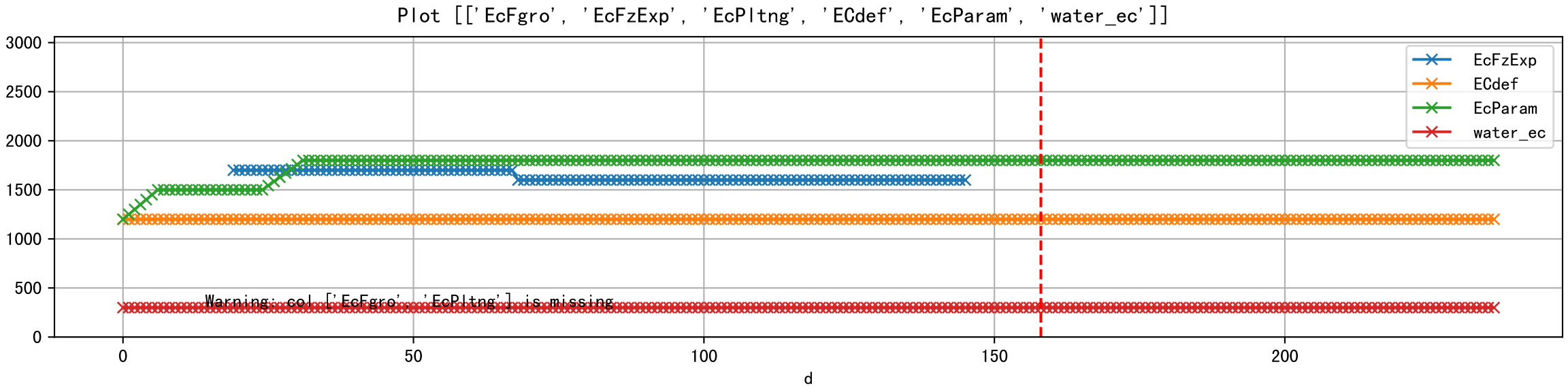

4 (fgArea = NA)
ECI*10%
ECO
d

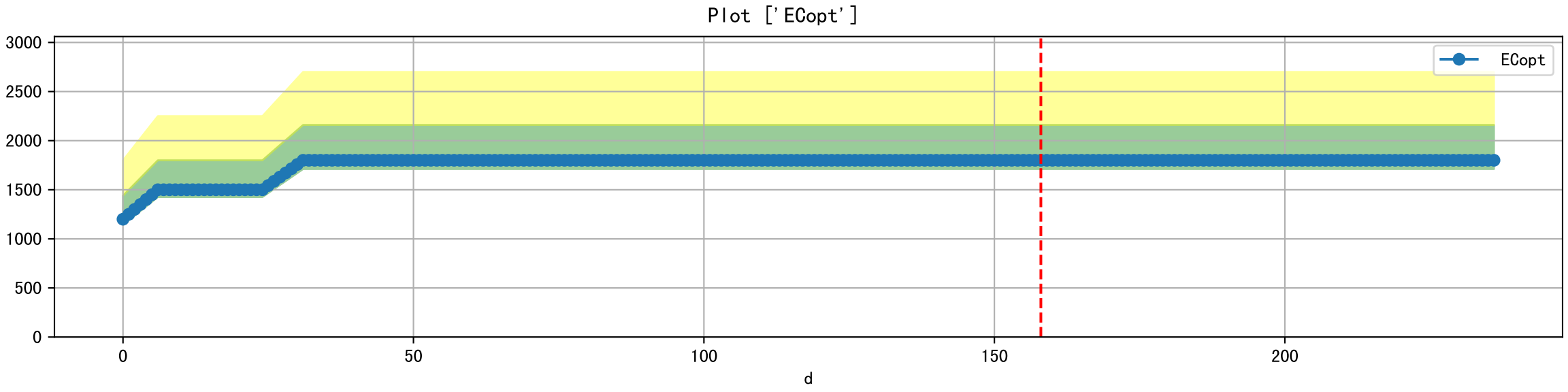

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

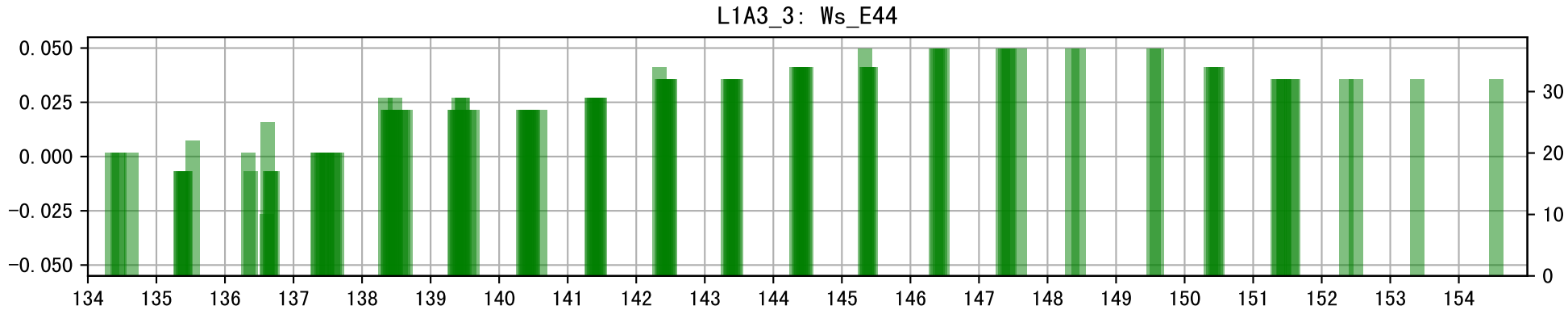

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d


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

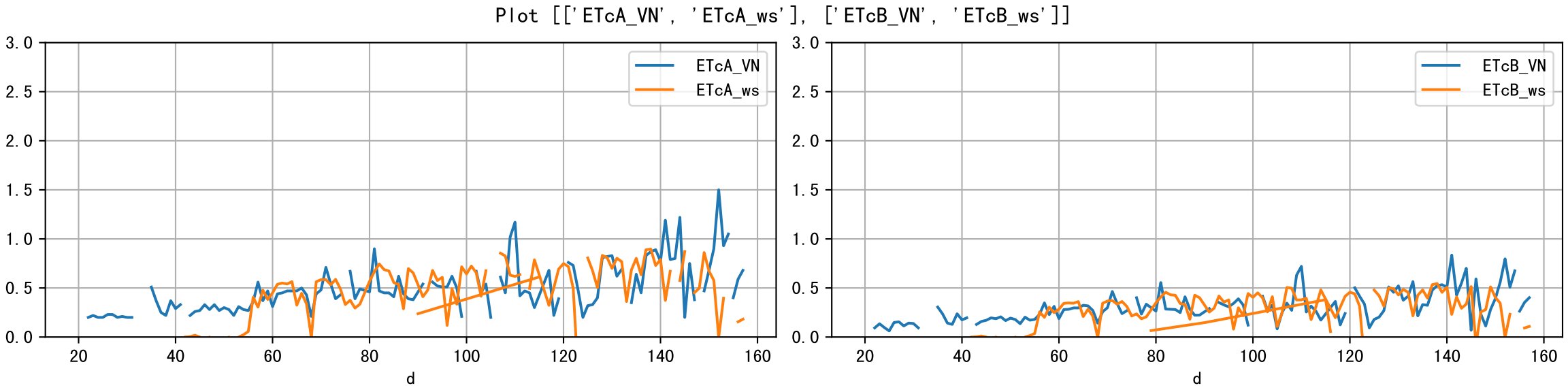

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

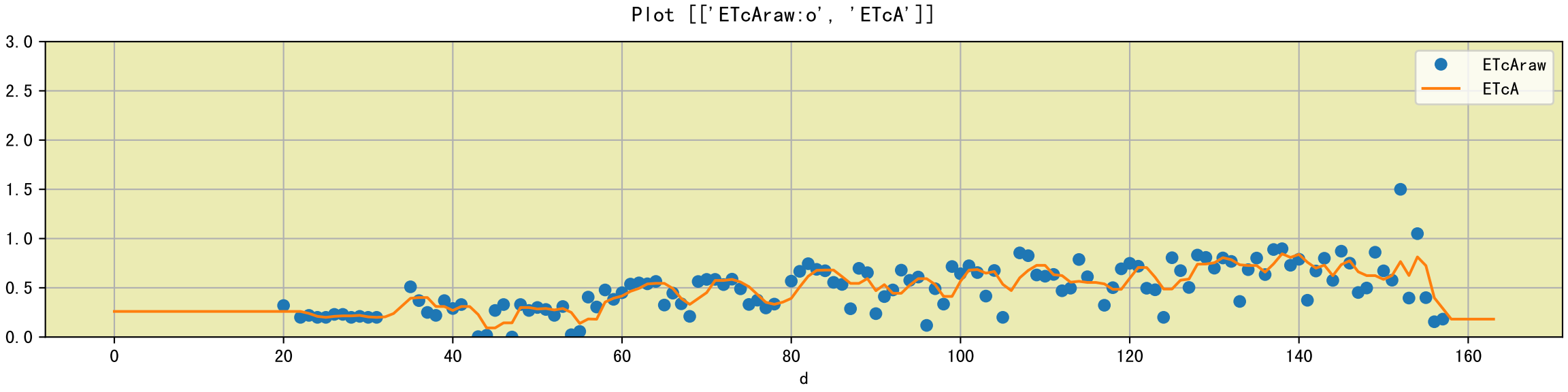

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

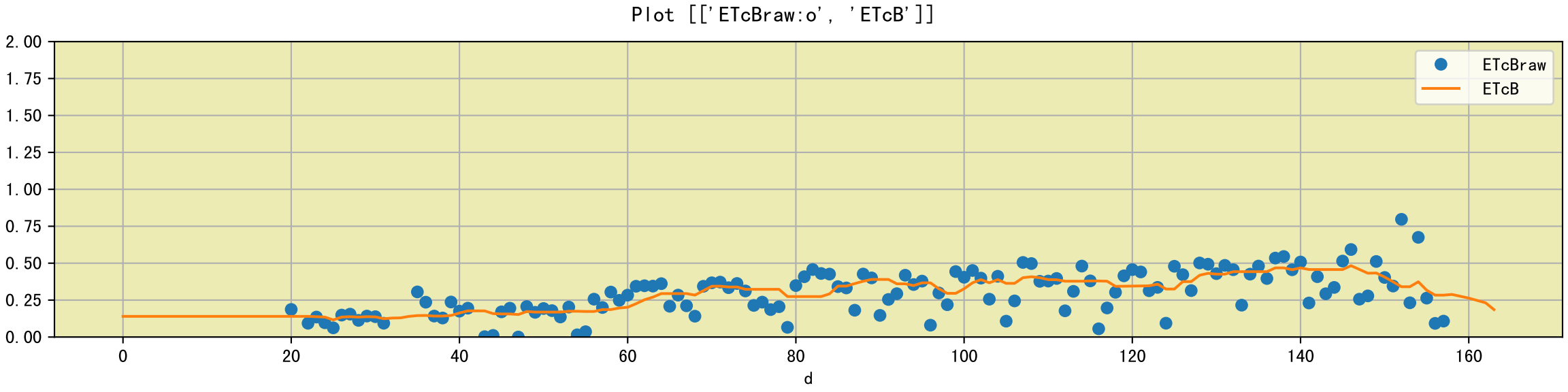

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
30
20
10
0
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154

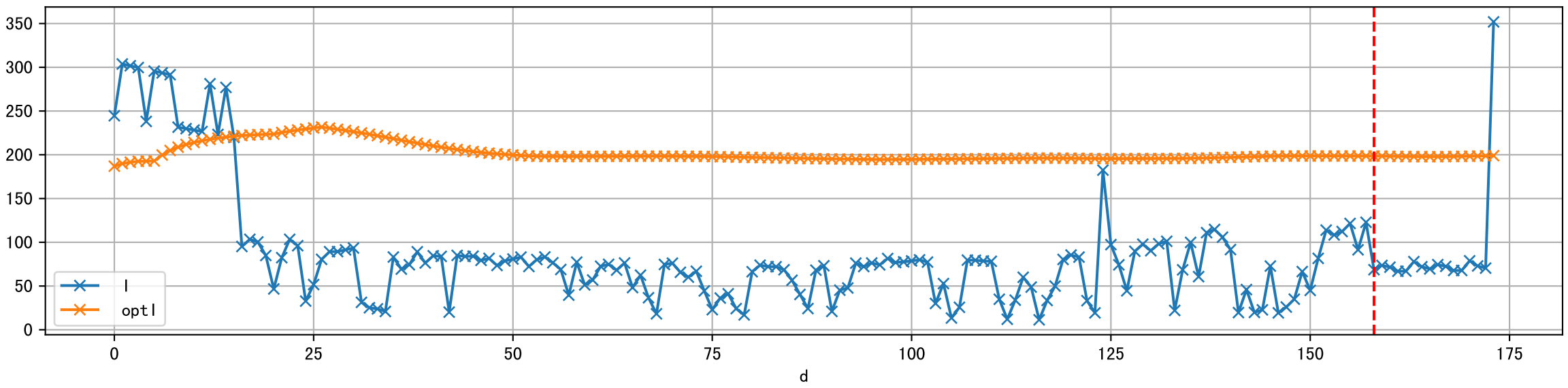
Plot Sensor and FgRec Data

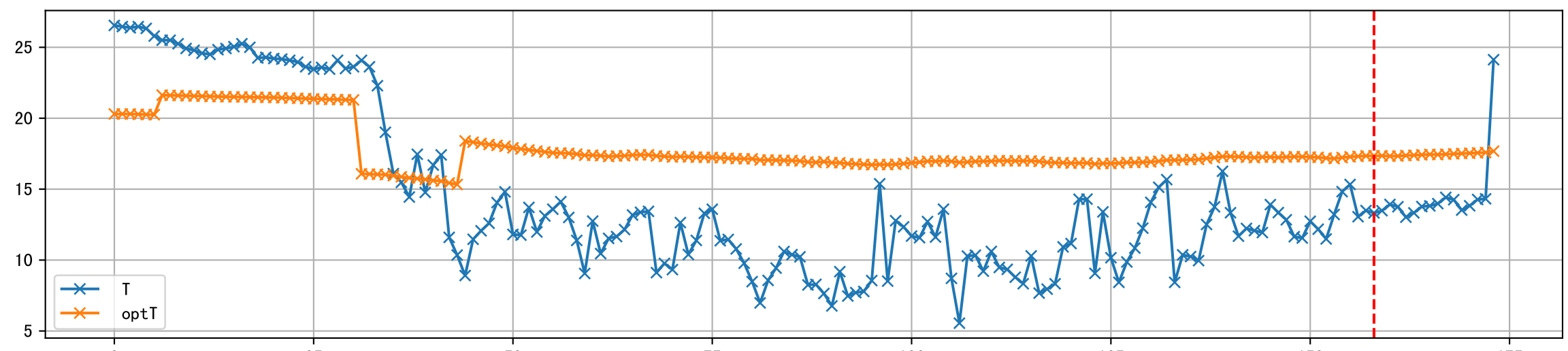

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
160
d

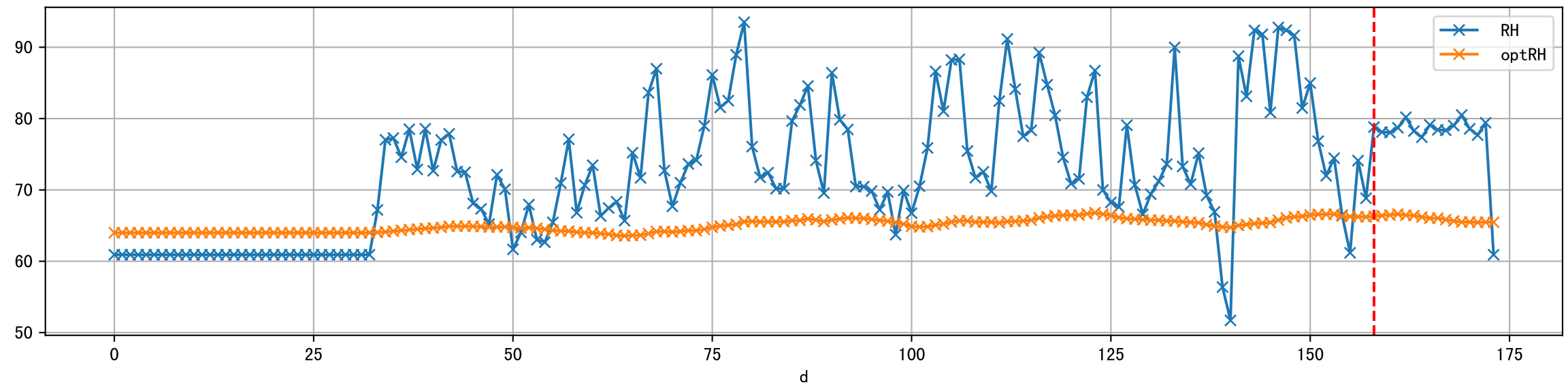

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
160
d
ETcAraw
ETcA

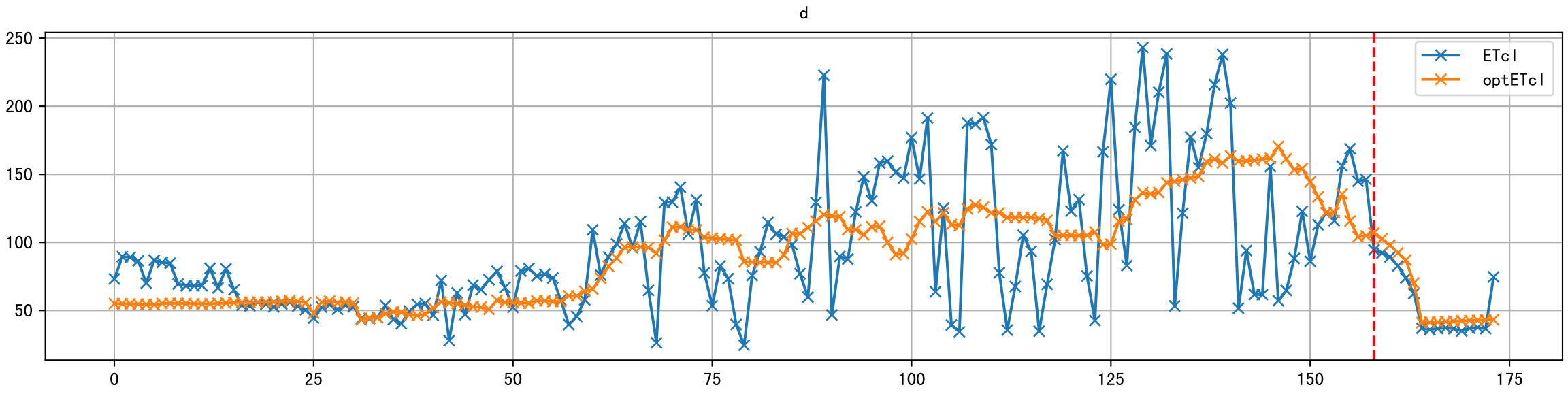

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
160
d
ETcBraw
ETcB

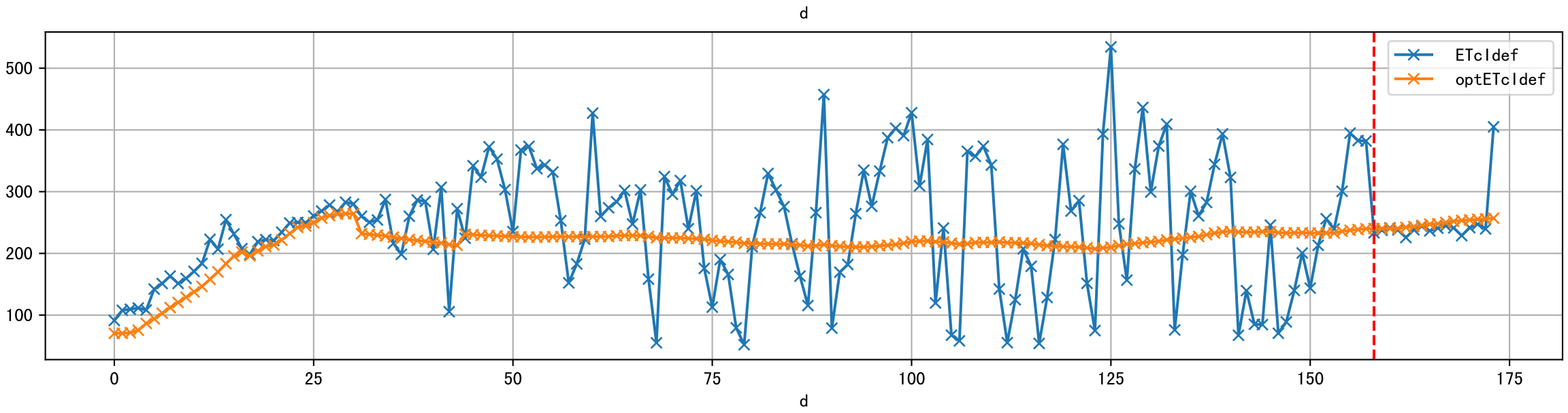
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['EToI', 'optEToI'], 'LAI', ['optEtRate', 'optEtRateDef', '

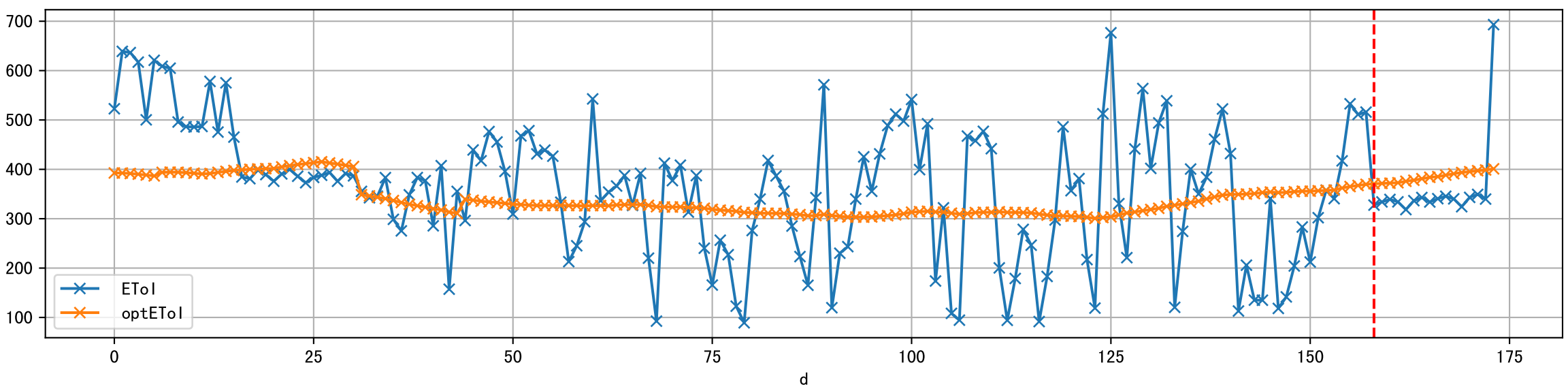


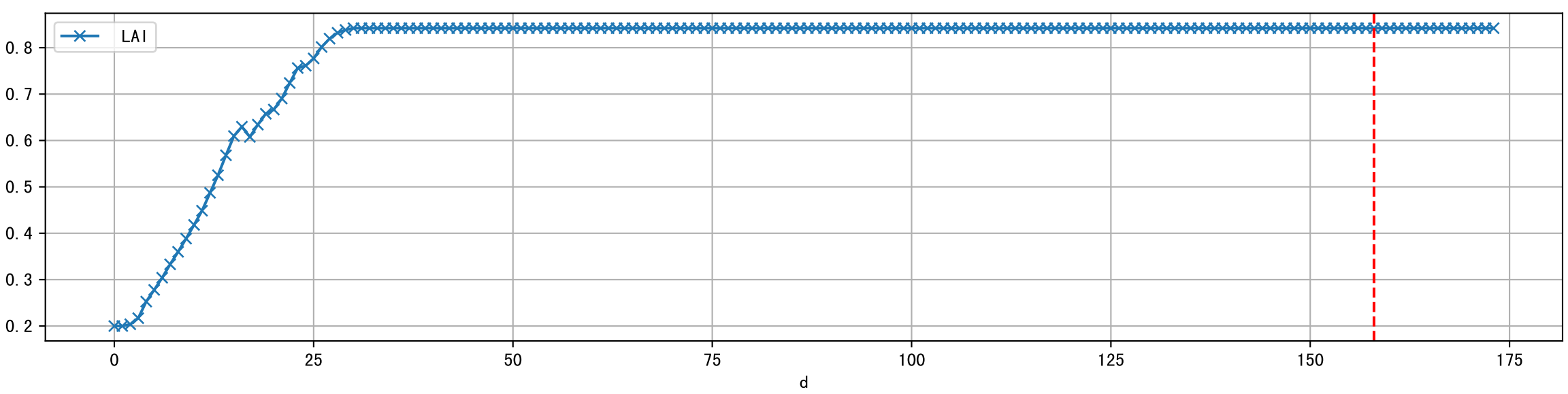


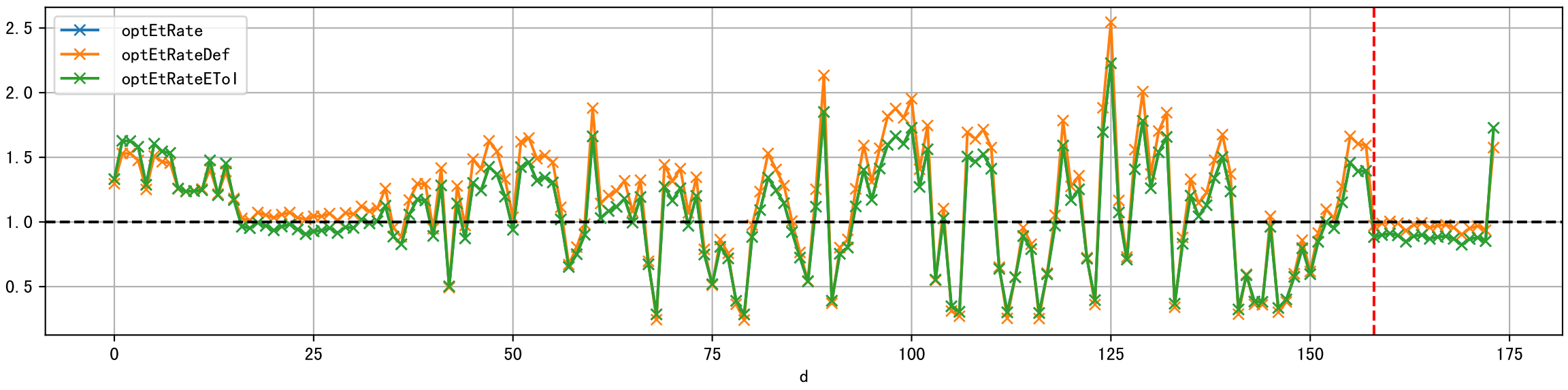


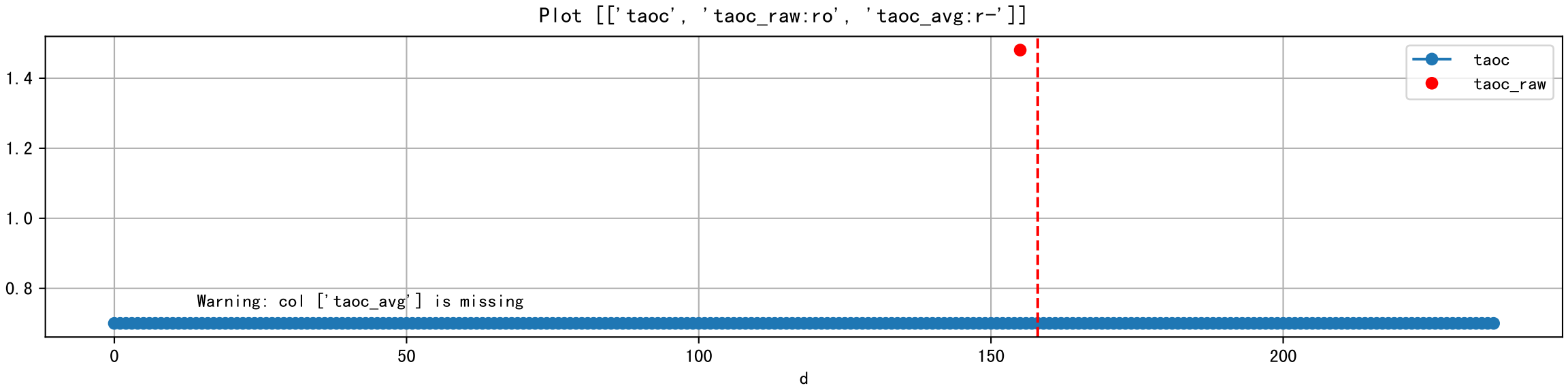


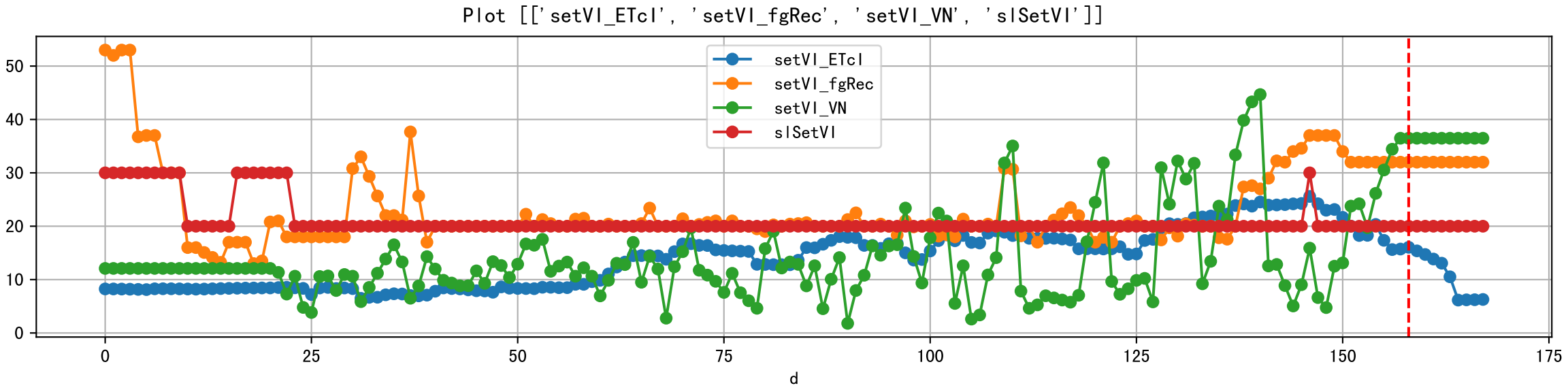


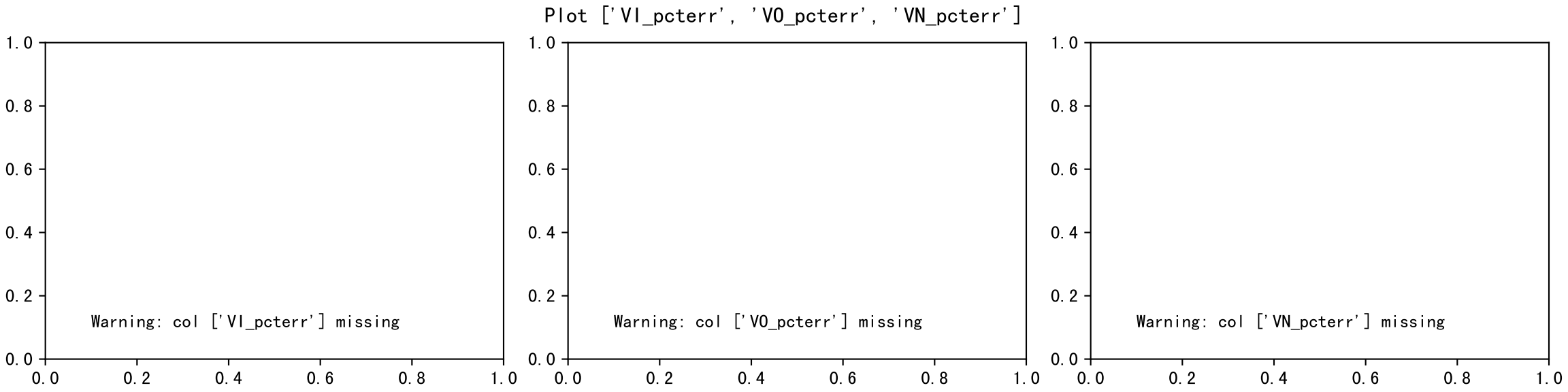


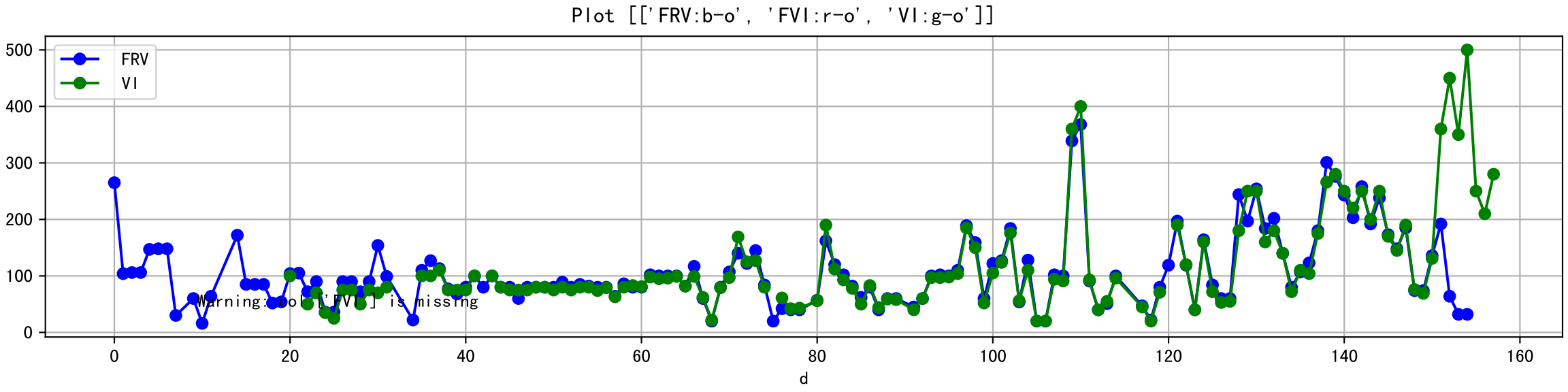


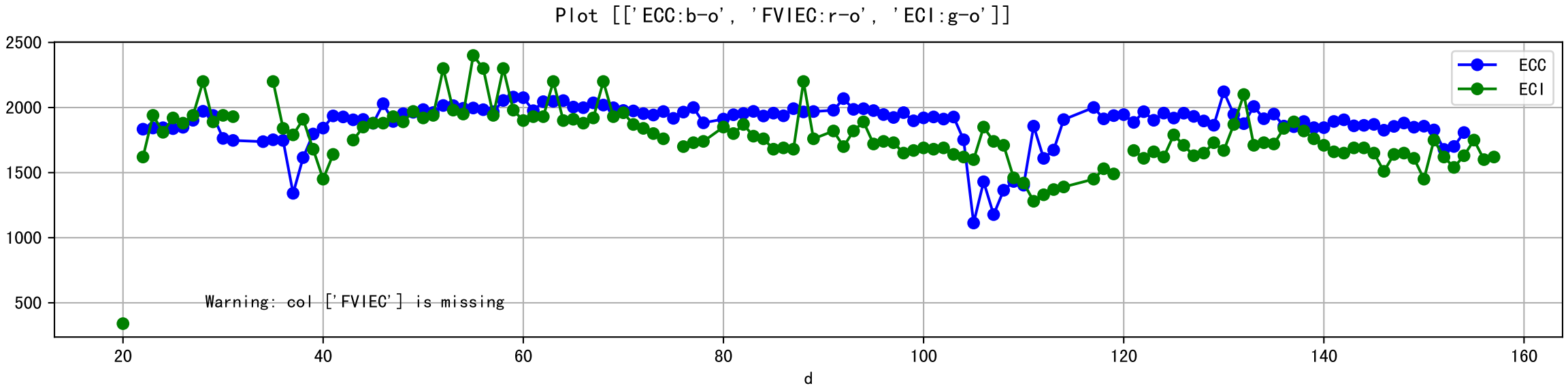


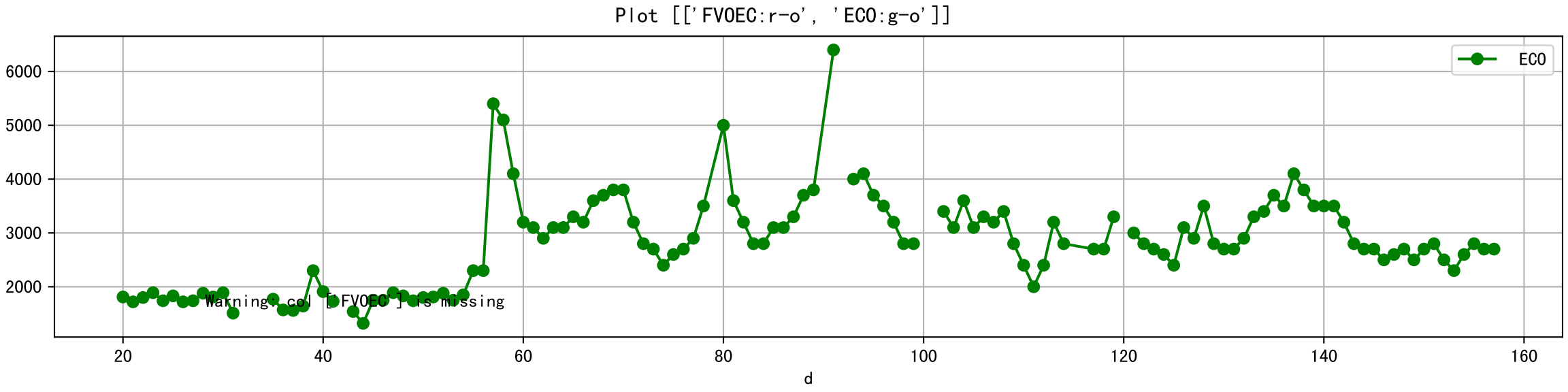

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
taoc_raw
1.4
1.2
1.0
0.8
Warning: col ['taoc_avg'] is missing
0
50
100
150
200
d

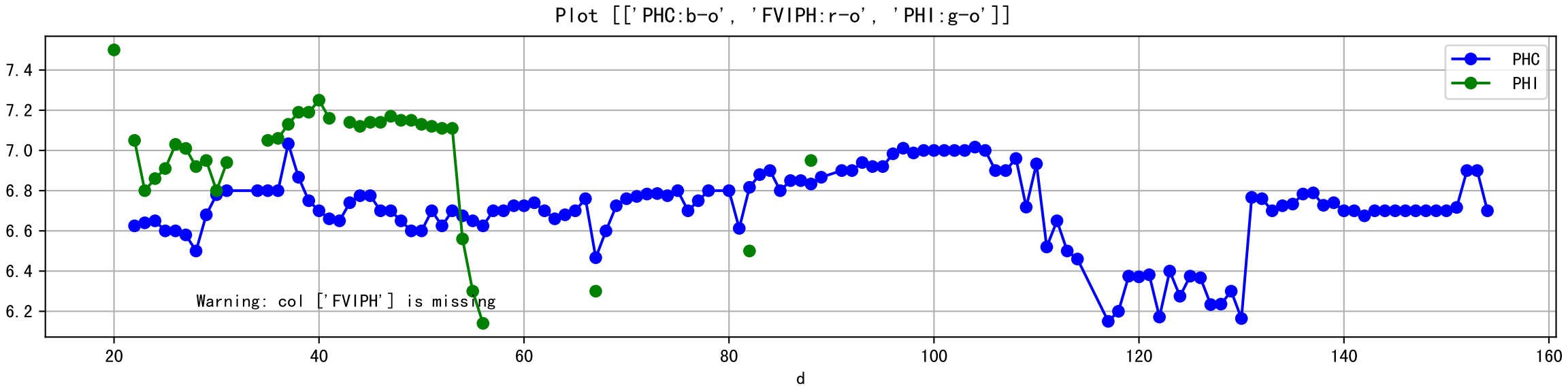

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
25
50
75
100
125
150
175
d

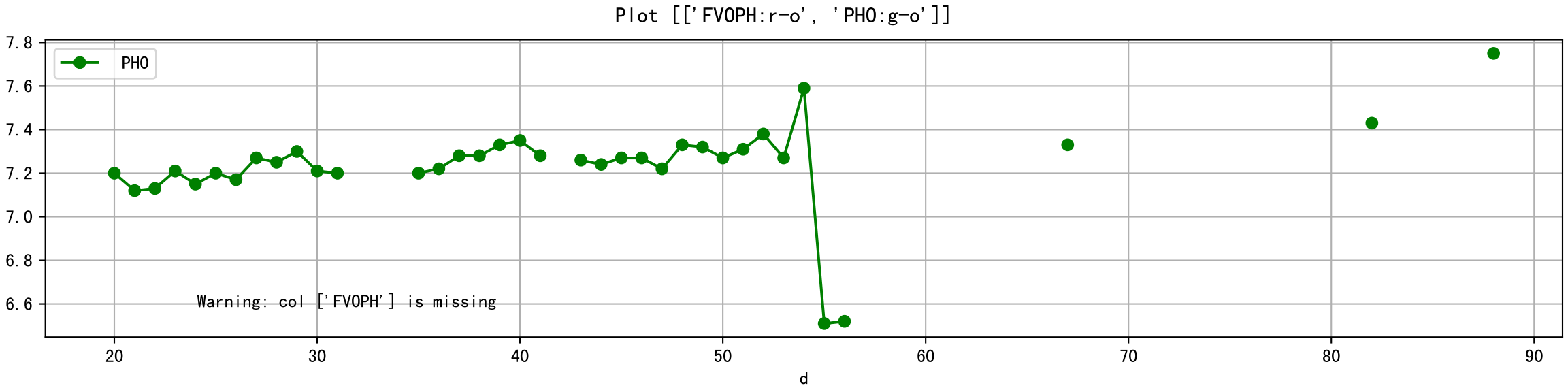

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

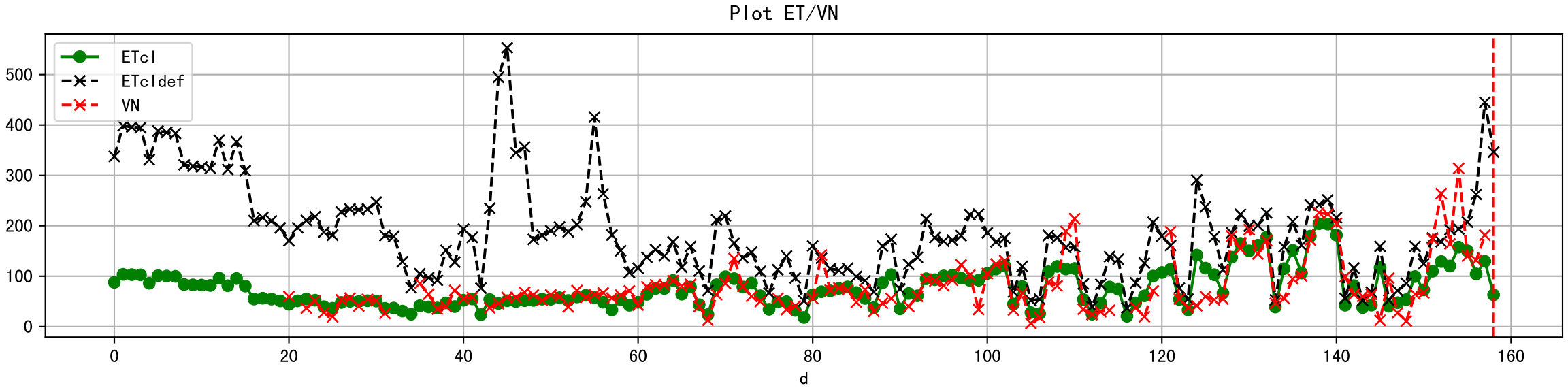

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning:cool['FVI'] is missing
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
d


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

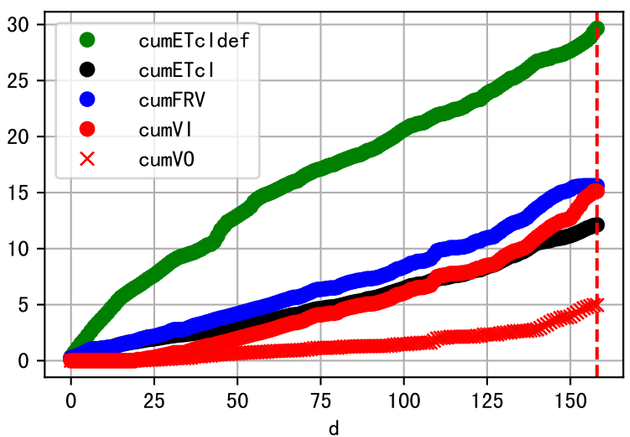

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
160
d

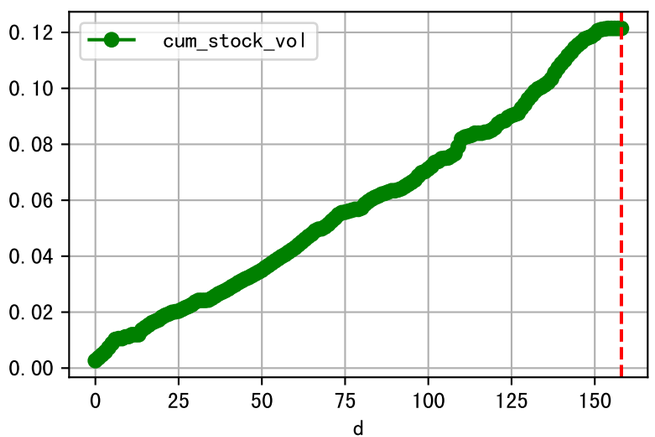

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
160
d

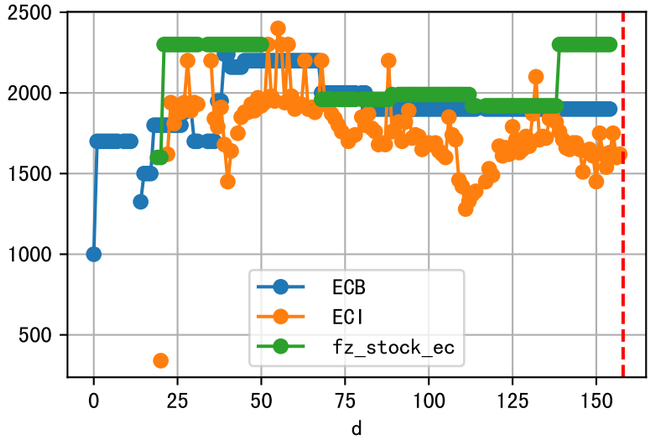

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

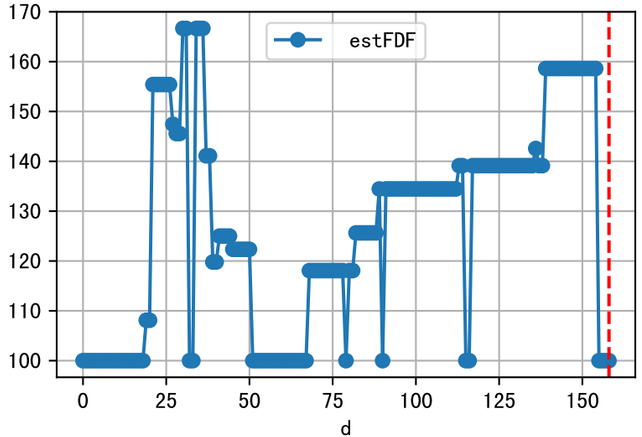

Plot ET/VN
ETcl
ETcldef
VN
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
d

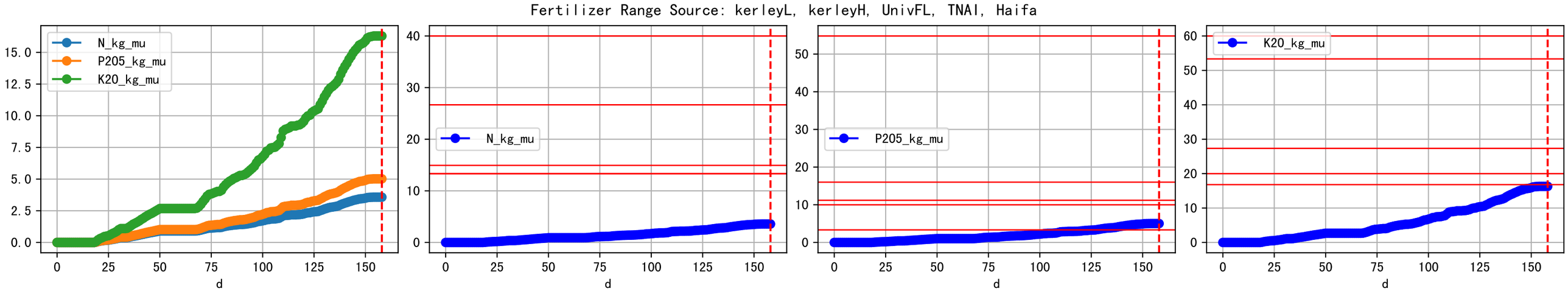
Plot Fv and fertilizer usage

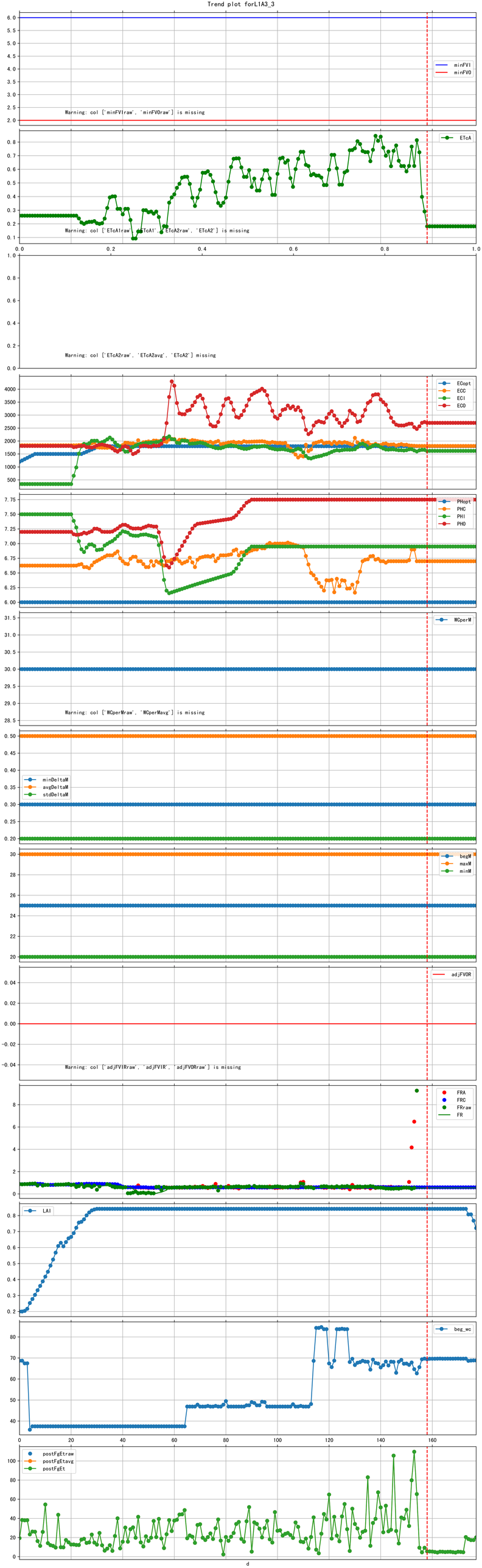


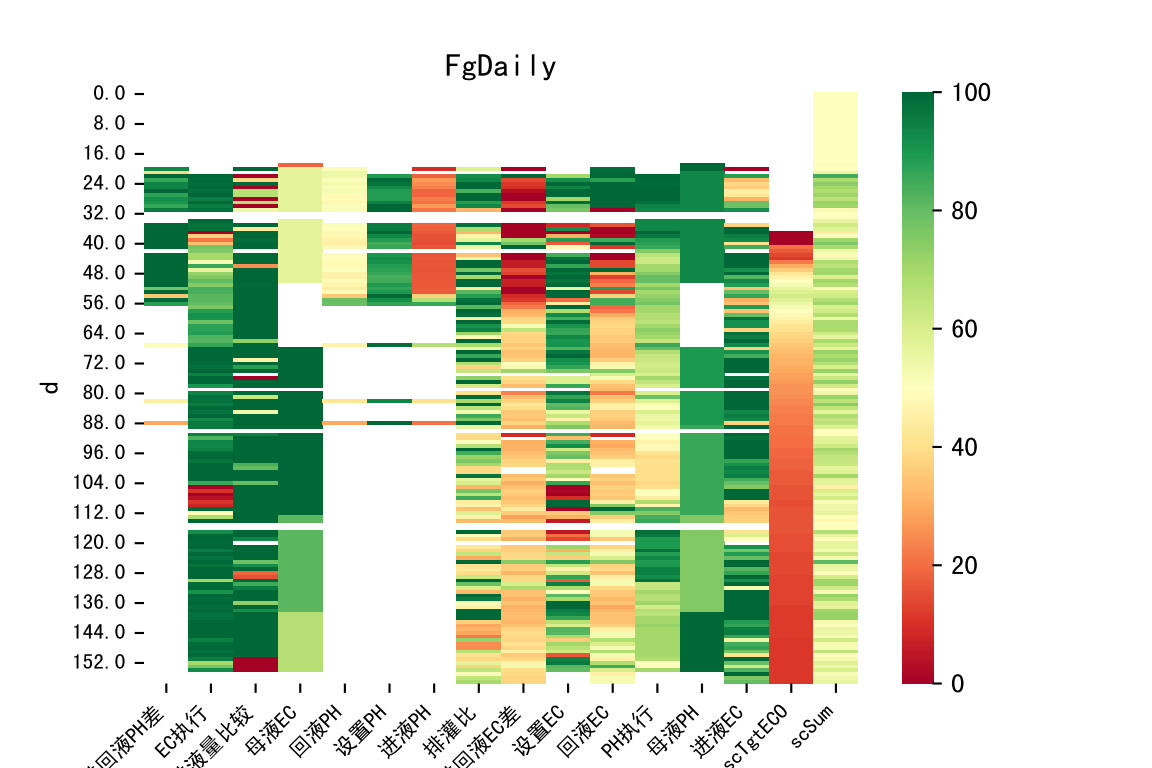




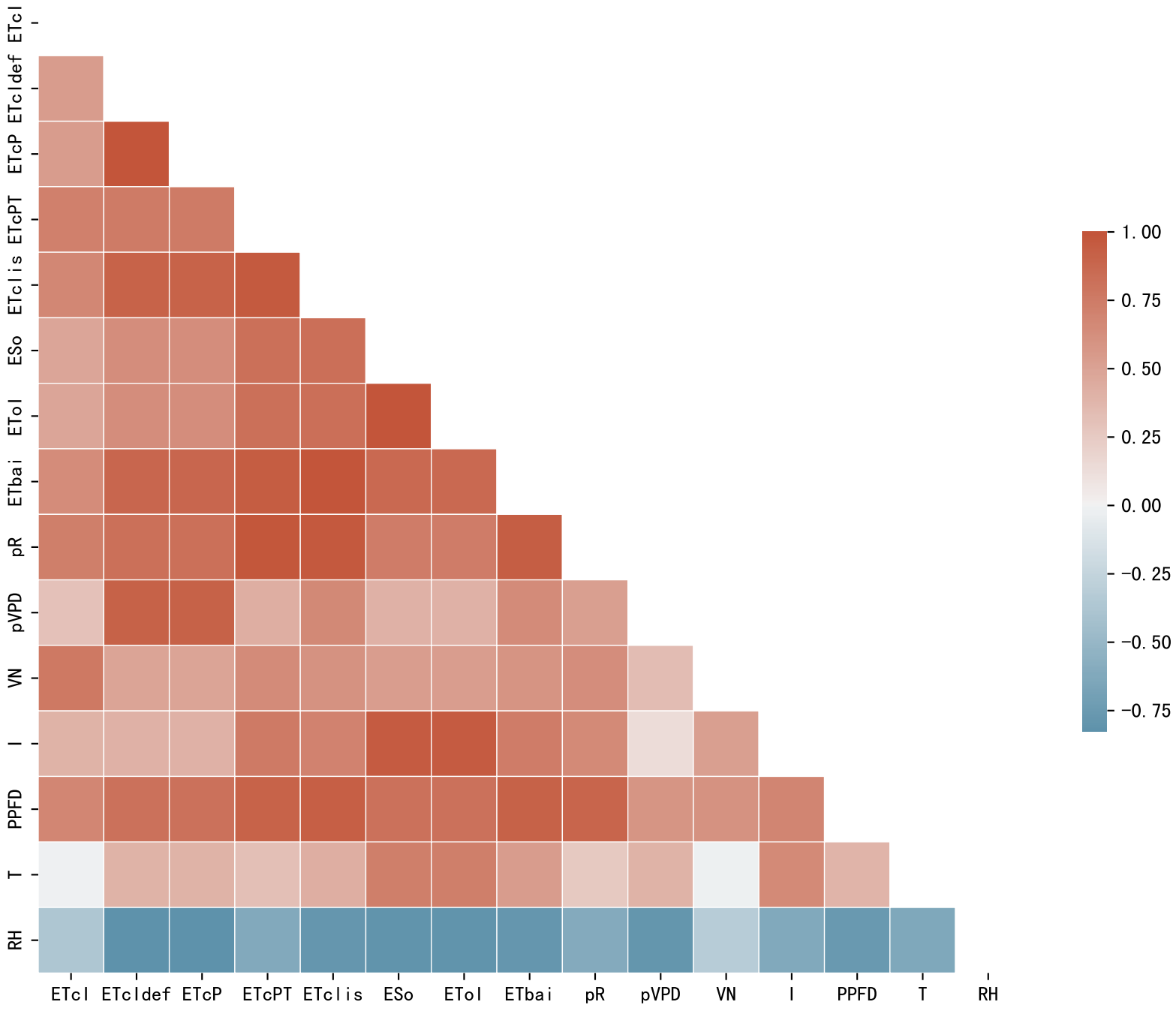


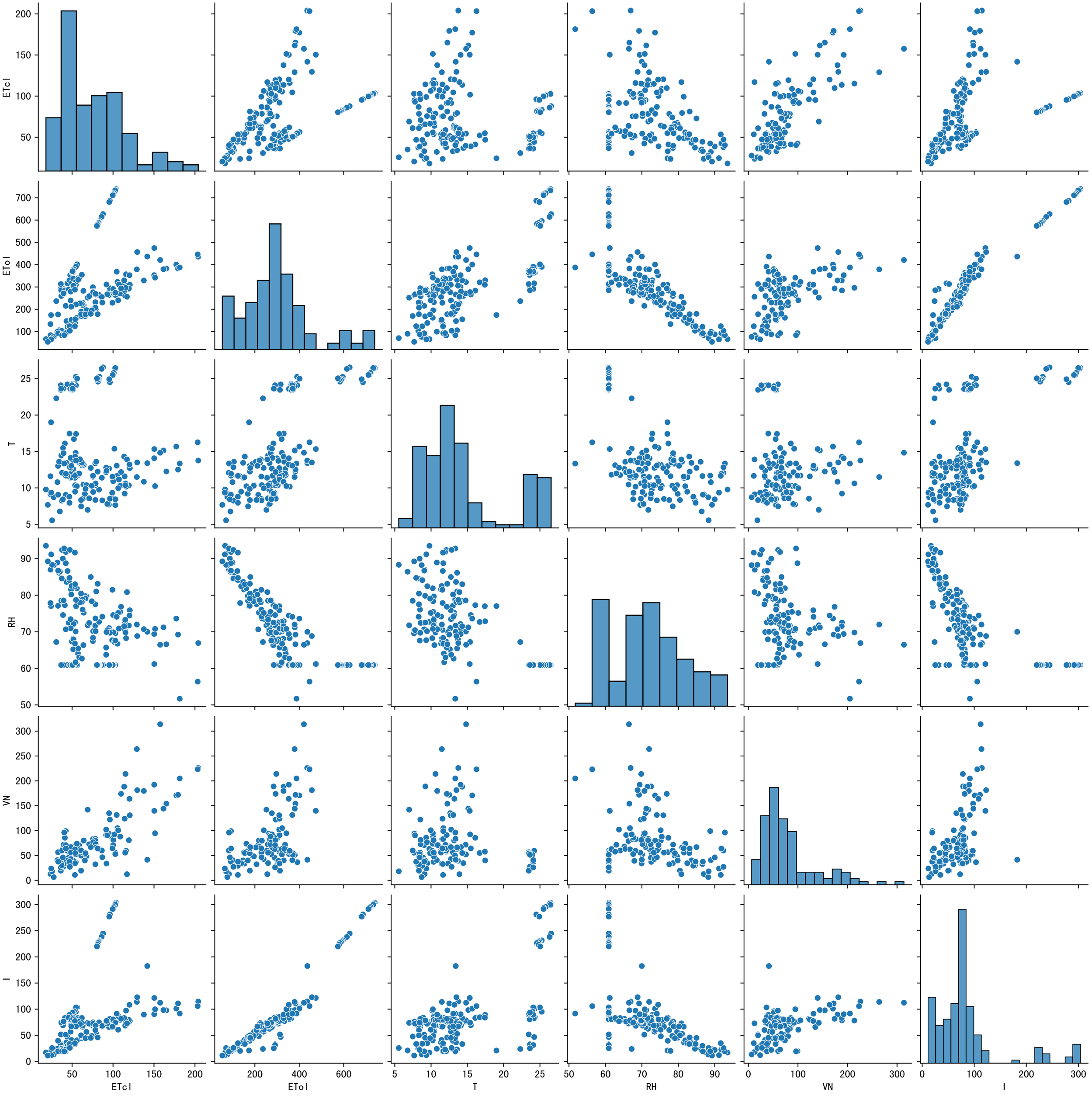

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

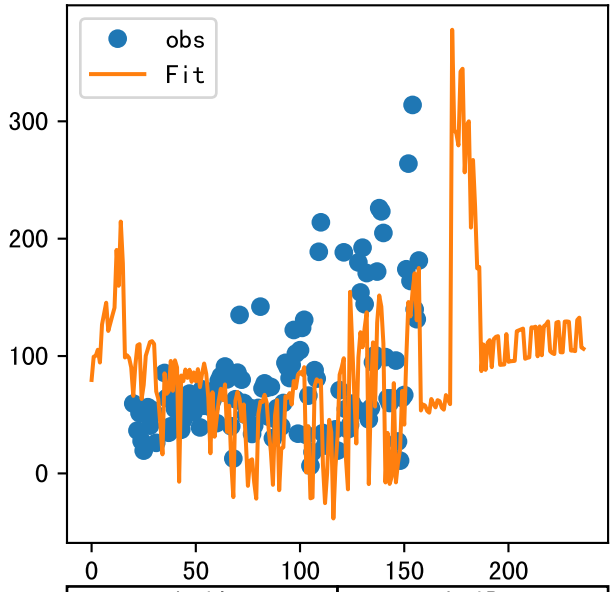

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECo
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

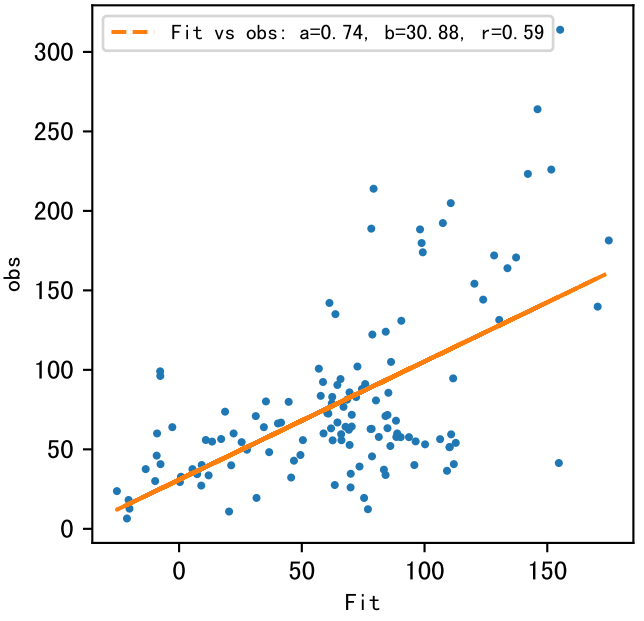

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
100
80
60
40
20
0
回液PH差
EC执行
液量比较
母液EC
回液PH
设置PH
进液PH
排灌比
回液EC差
设置EC
回液EC
PH执行
母液PH
进液EC
scTgtEC0
scSum

L1A3_3
ETcl
ETbai
VN
T
PPFD
I
RH
ETclis
ETcPT
ETcRn
d

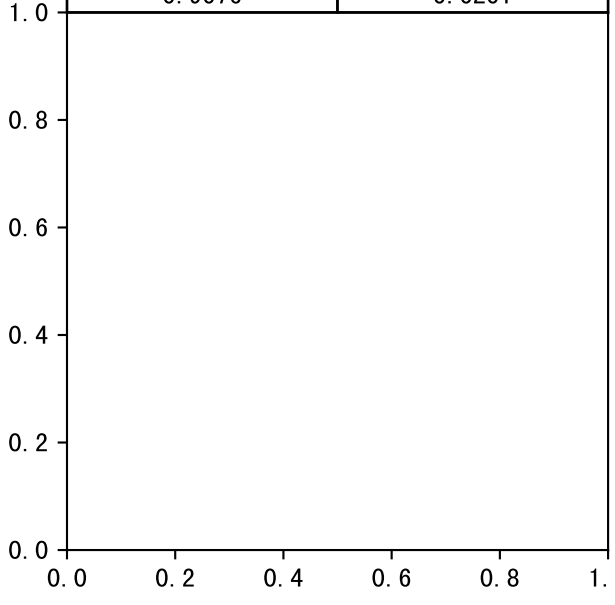

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

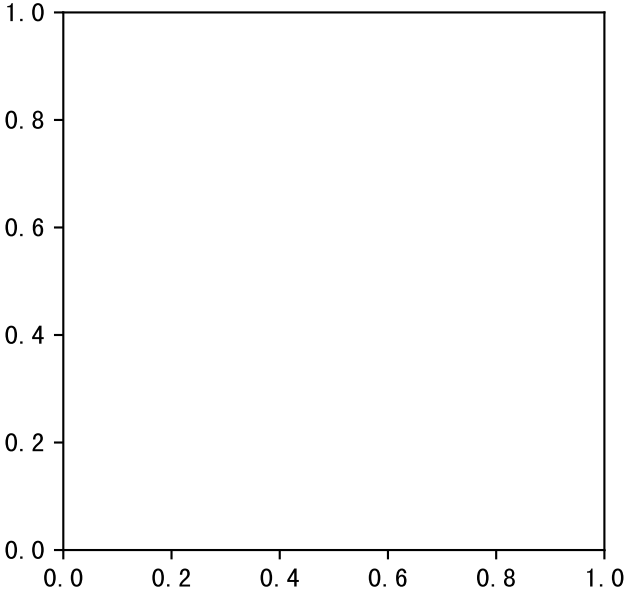

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

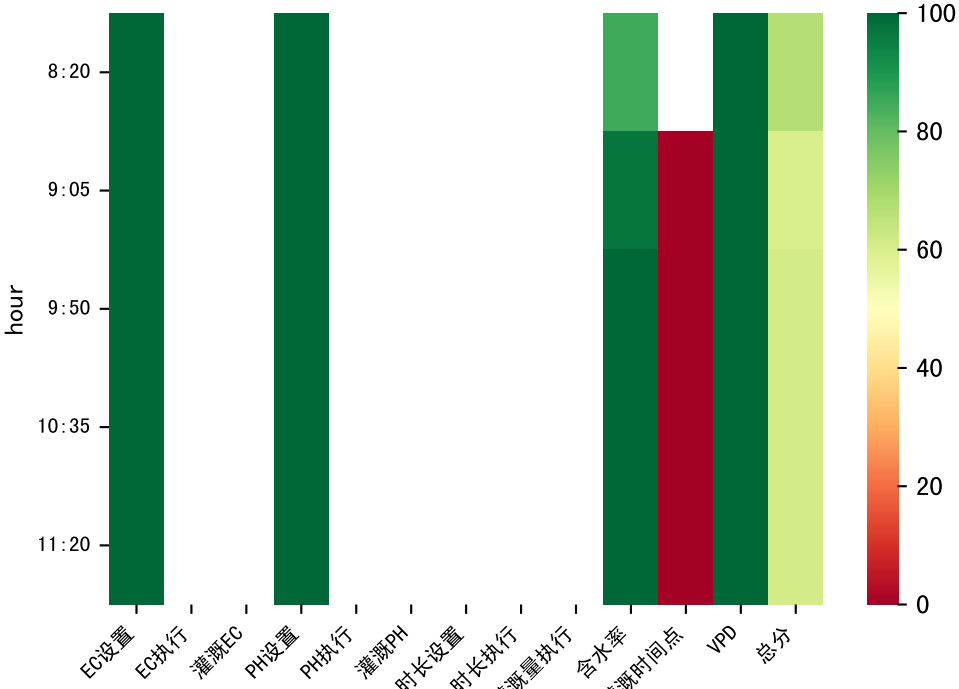




baiA	baiB
0.9076	0.0201

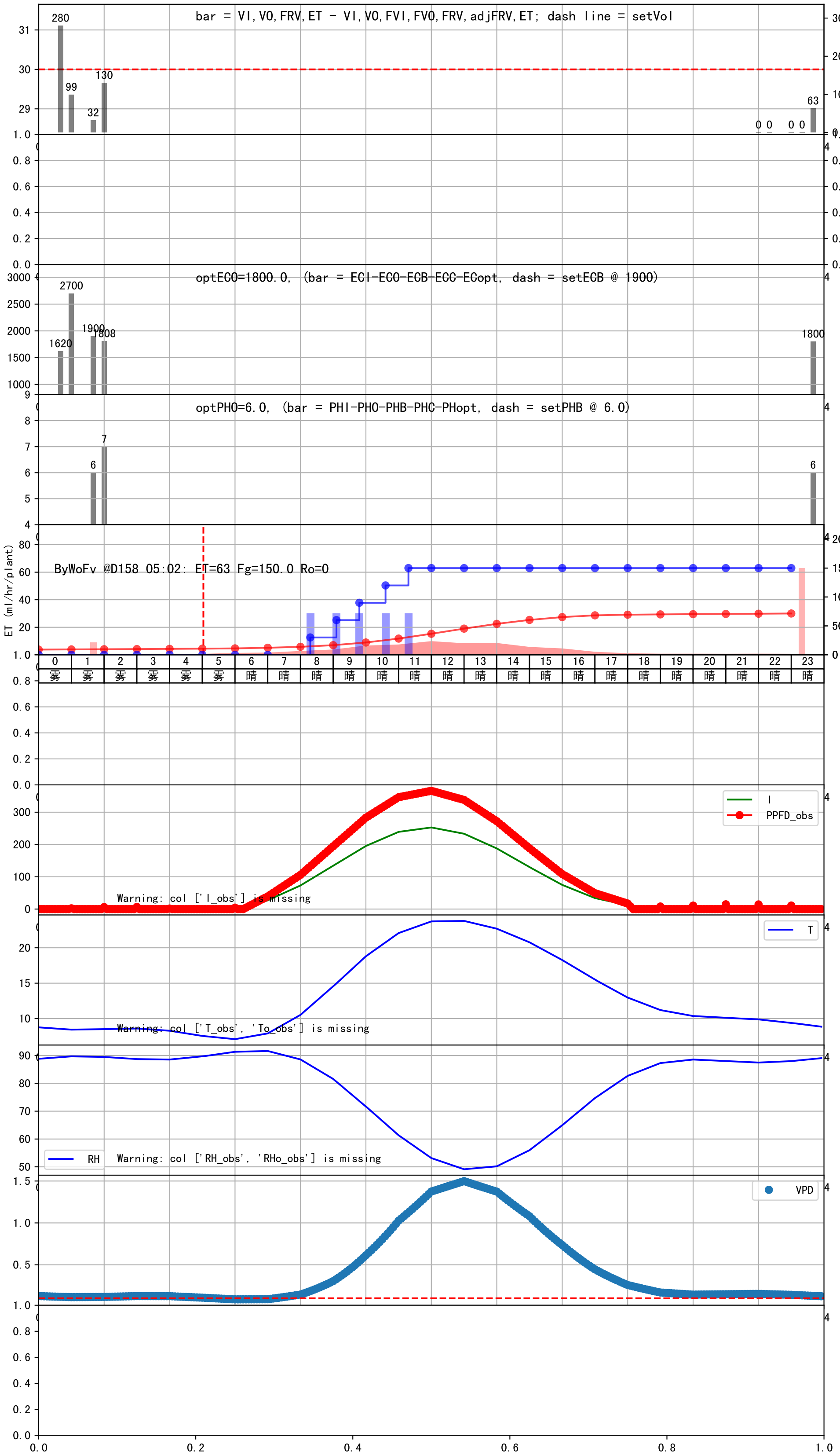


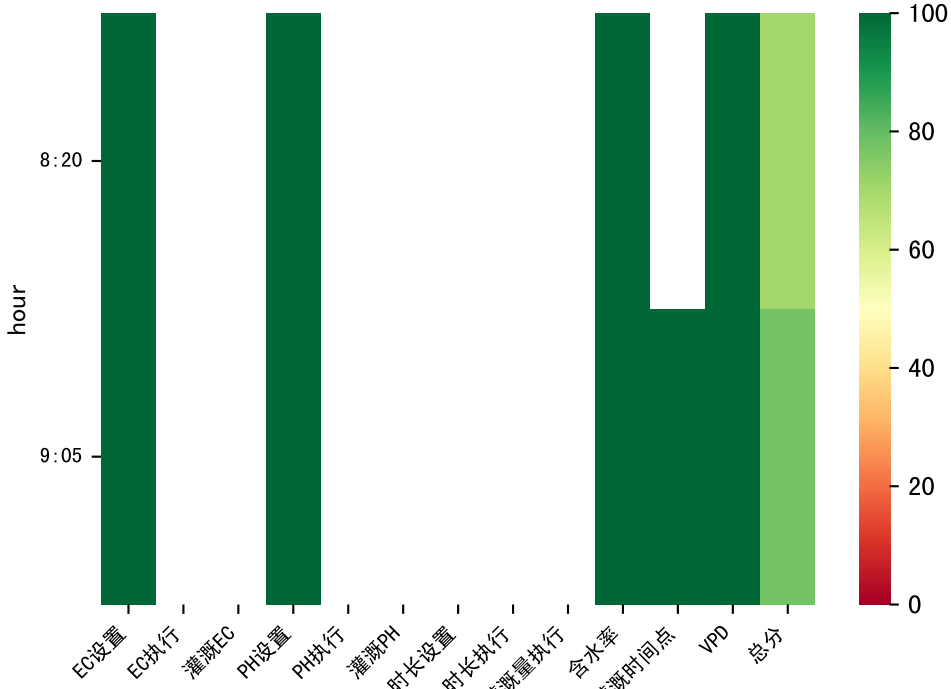



hour
8:20
9:05
9:50
10:35
11:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	56	30.0	0.122	晴	假设 手动（未用进回液传感器）（预期回液 无）
09:05	56	30.0	0.122	晴	假设 手动（未用进回液传感器）（预期回液 无）
09:50	56	30.0	0.122	晴	假设 手动（未用进回液传感器）（预期回液 无）
10:35	56	30.0	0.122	晴	假设 手动（未用进回液传感器）（预期回液 无）
11:20	56	30.0	0.122	晴	假设 手动（未用进回液传感器）（预期回液 无）
总计	280.0 (5次)	150.0			建议进液EC：1900， PH：6.0

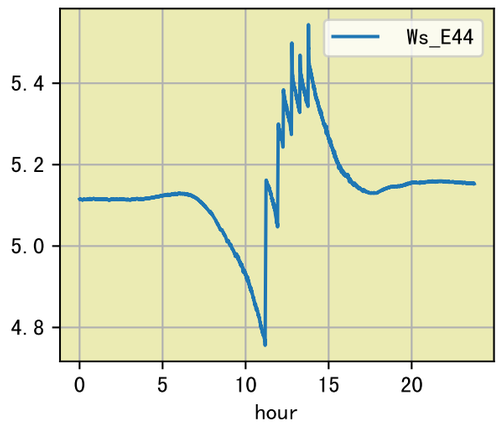
L1A3_3, Day=158 (2026-03-13)

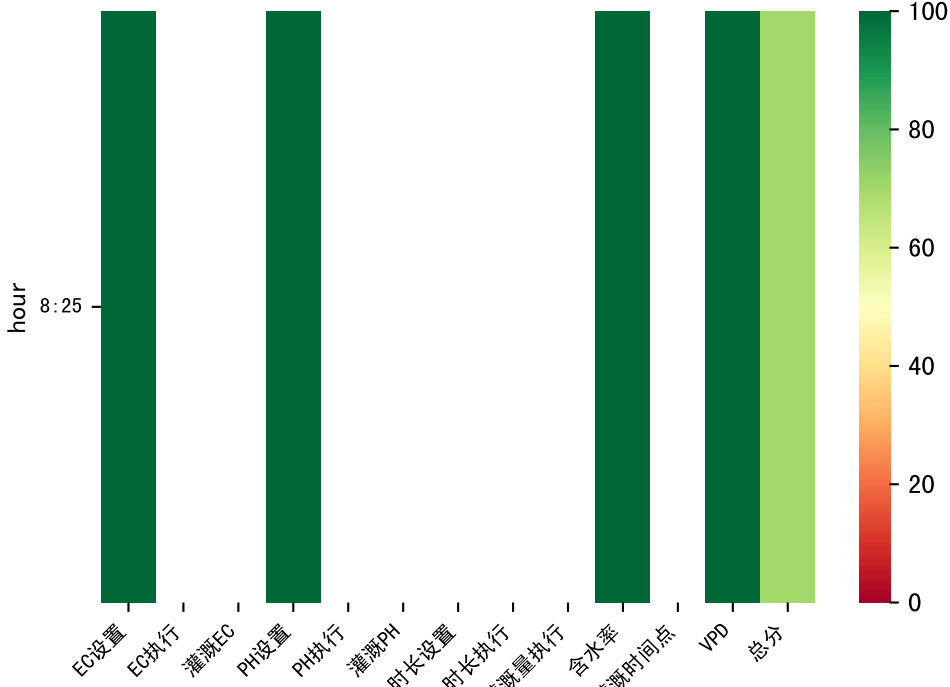



hour
8:20
9:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	60	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
09:05	60	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	120.0 (2次)	60.0			建议进液EC：1900， PH：6.0

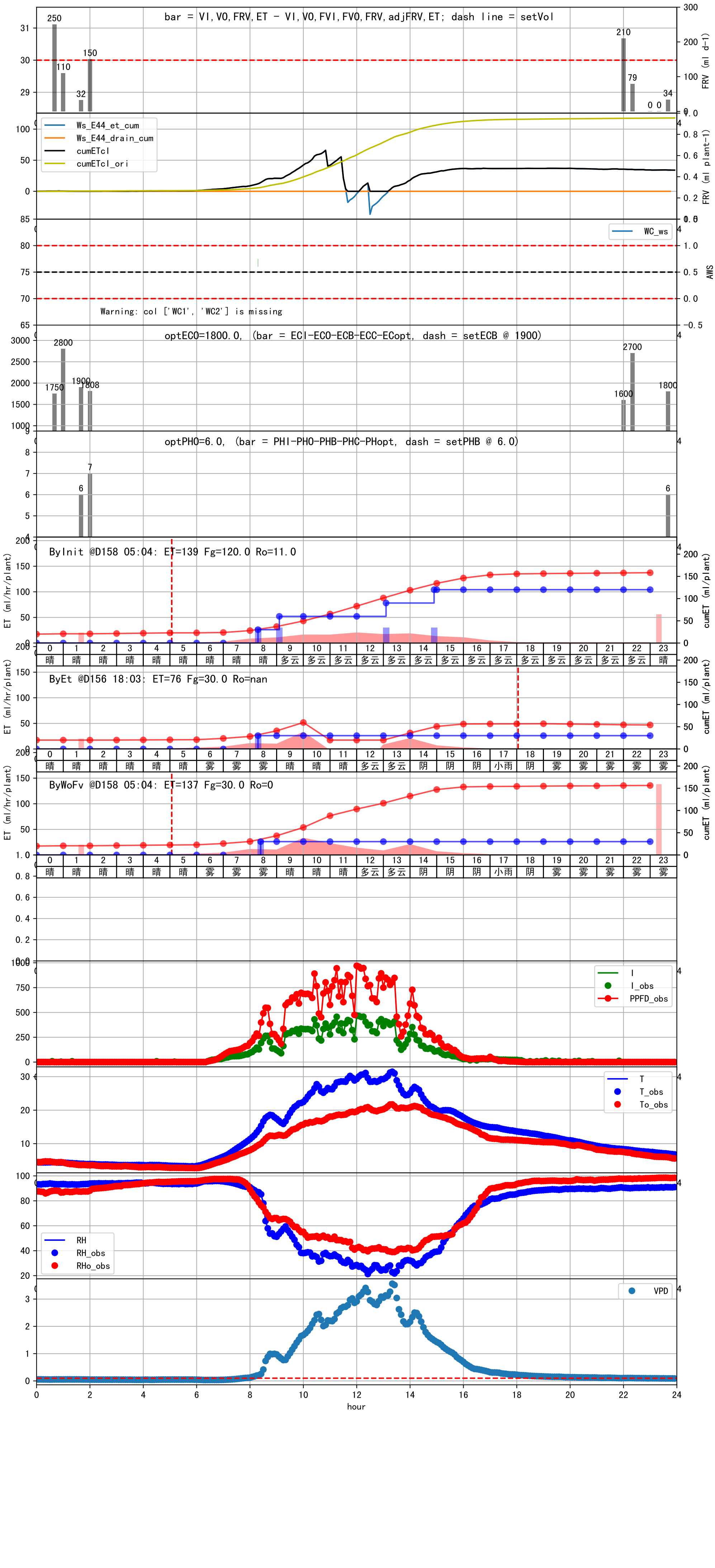
L1A3_3, Day=157 (2026-03-12)

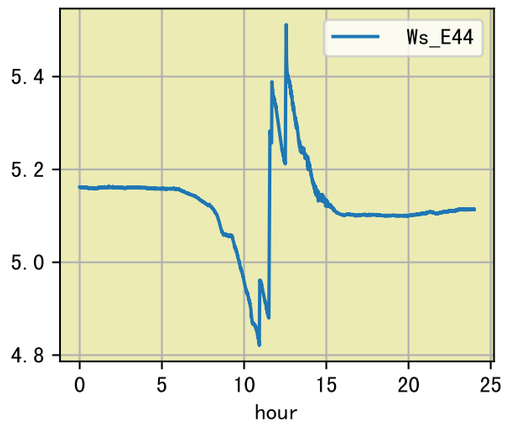

Ws_E44
5.4
5.2
5.0
4.8
0
5
10
15
20
hour

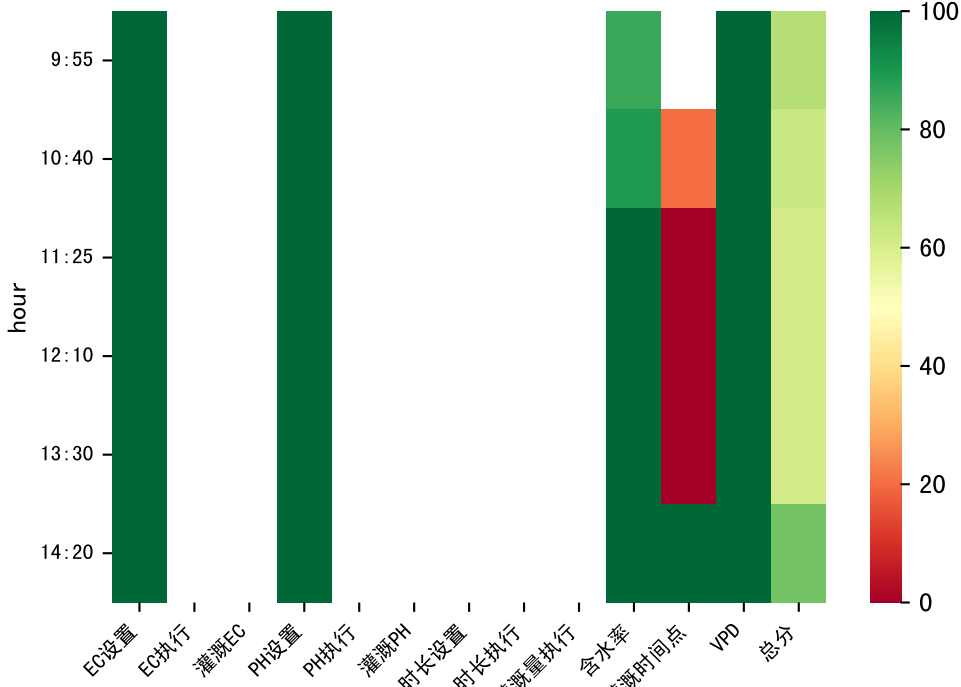

hour
8:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	56	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	56.0 (1次)	30.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=156 (2026-03-11)



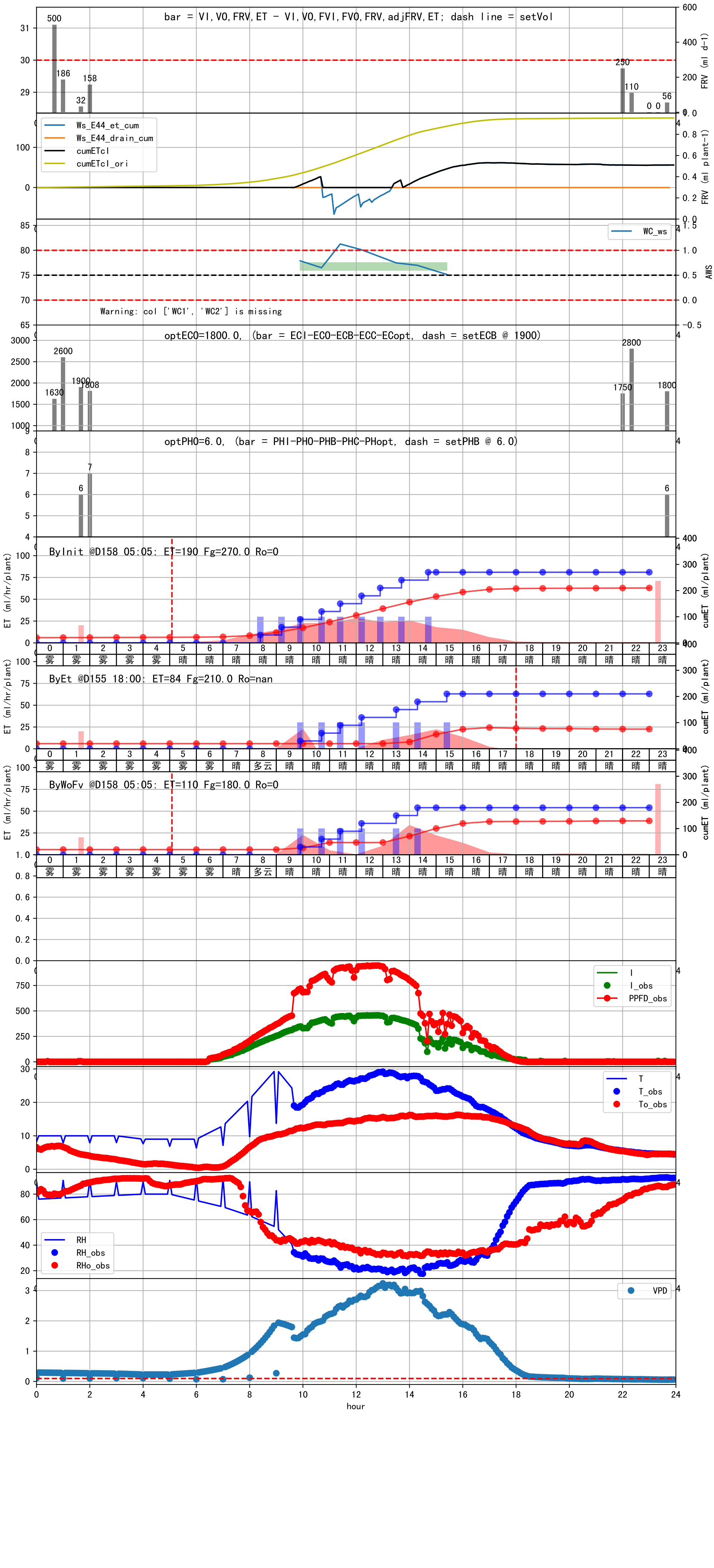

Ws_E44
5.4
5.2
5.0
4.8
0
5
10
15
20
25
hour

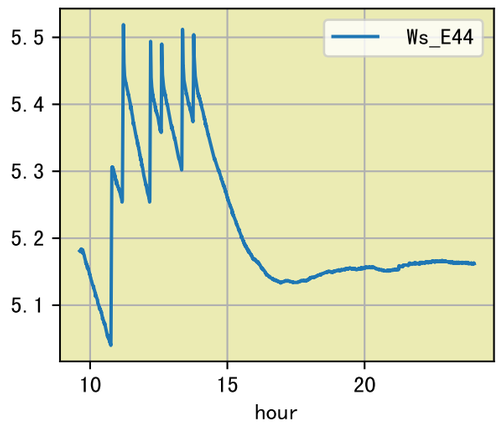

hour
9:55
10:40
11:25
12:10
13:30
14:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

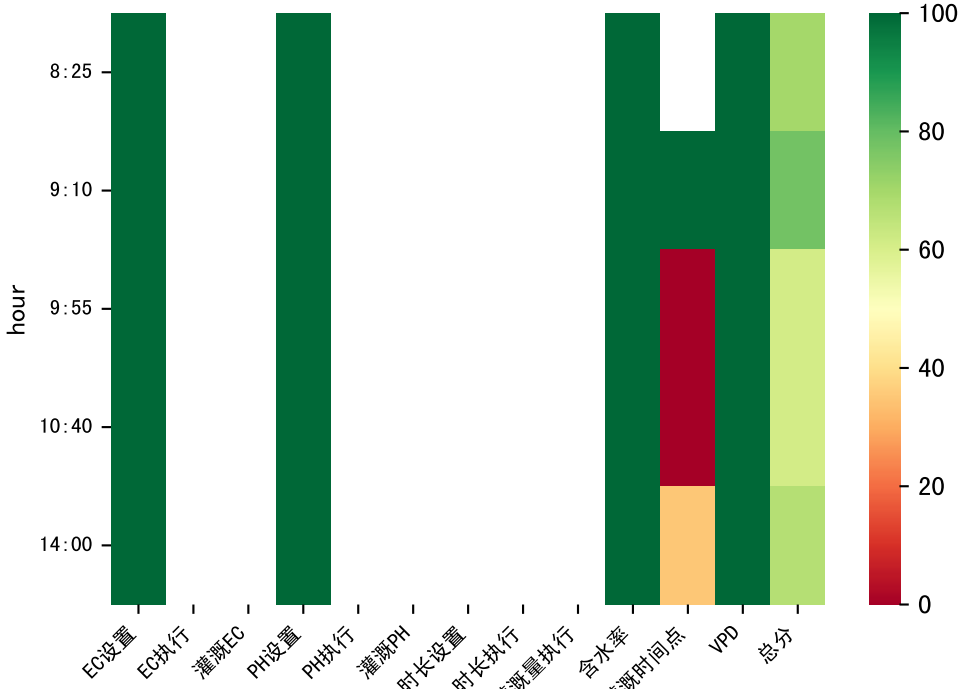
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:55	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
10:40	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
11:25	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
12:10	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
13:30	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
14:20	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	336.0 (6次)	180.0			建议进液EC：1900， PH：6.0

unusual large postFgEt from yesterday (110), set to 90.0 ml.

L1A3_3, Day=155 (2026-03-10)

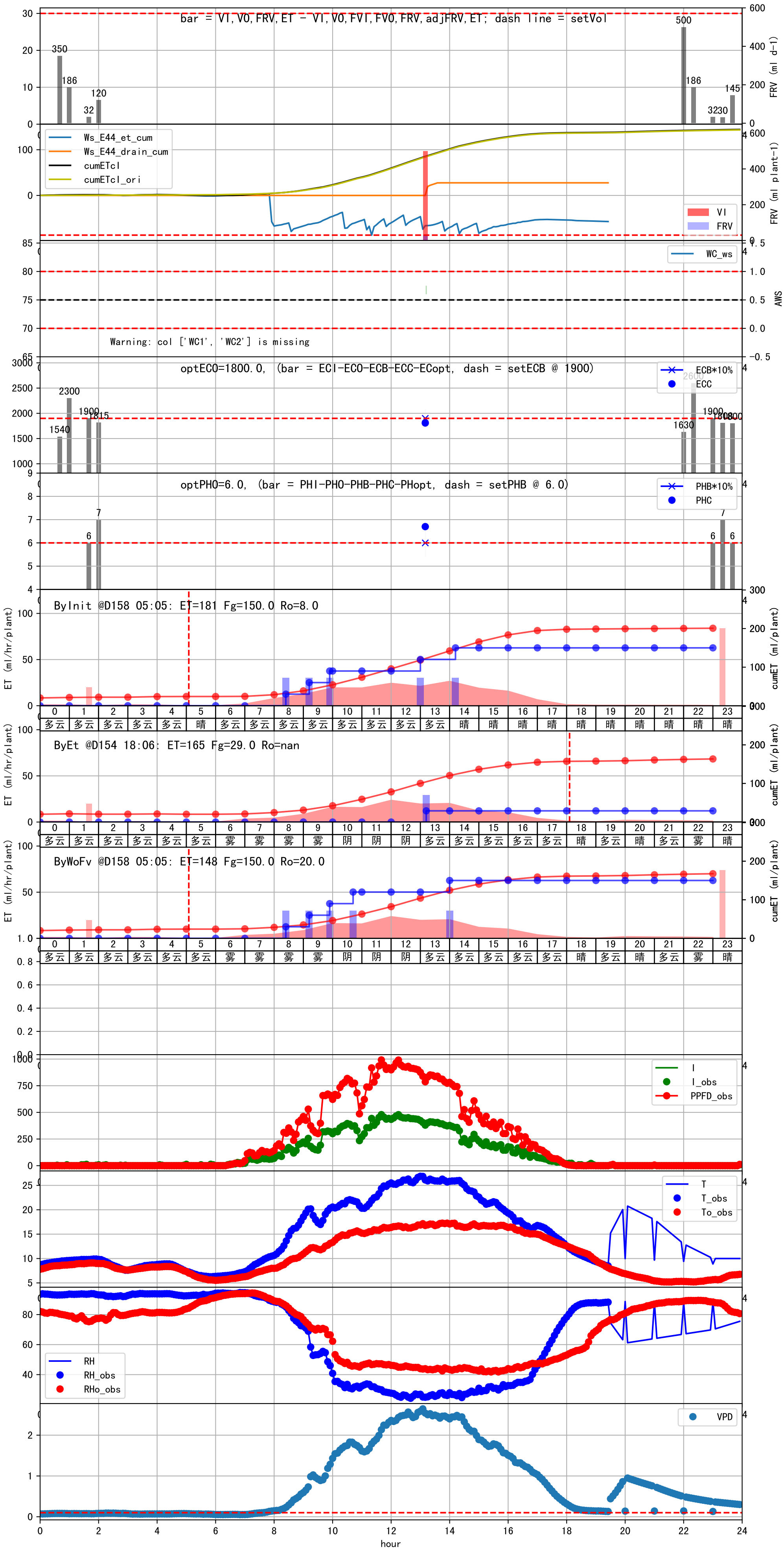


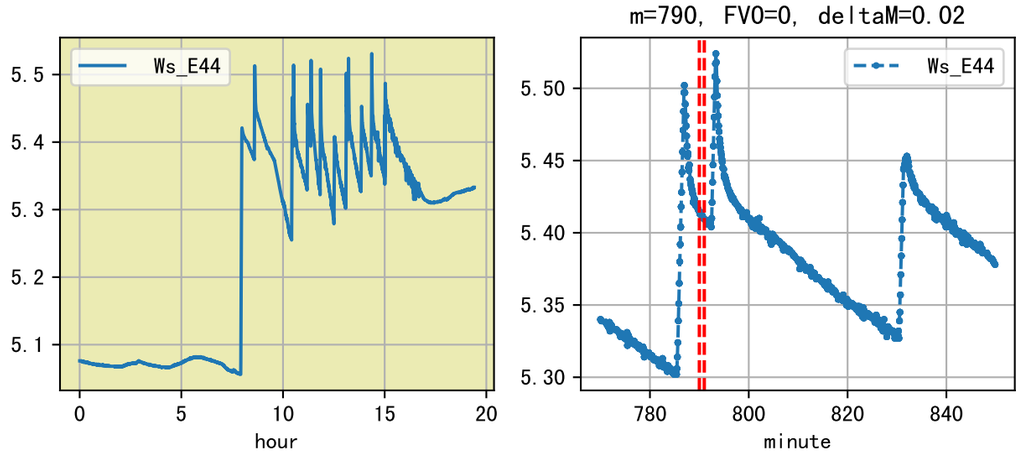

Ws_E44
5.5
5.4
5.3
5.2
5.1
10
15
20
hour


hour
8:25
9:10
9:55
10:40
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
:25	55	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
:10	55	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
:55	55	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 1 ml/株）
:40	55	30.0	0.122	阴	假设 未知程序（未用进回液传感器）（预期回液 19 ml/株）
:00	55	30.0	0.122	多云	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	275.0 (5次)	150.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=154.0 (2026-03-09)




Ws_E44
5.5
5.4
5.3
5.2
5.1
0
5
10
15
20
hour
m=790, FV0=0, deltaM=0.02
Ws_E44
5.50
5.45
5.40
5.35
5.30
780
800
820
840
minute