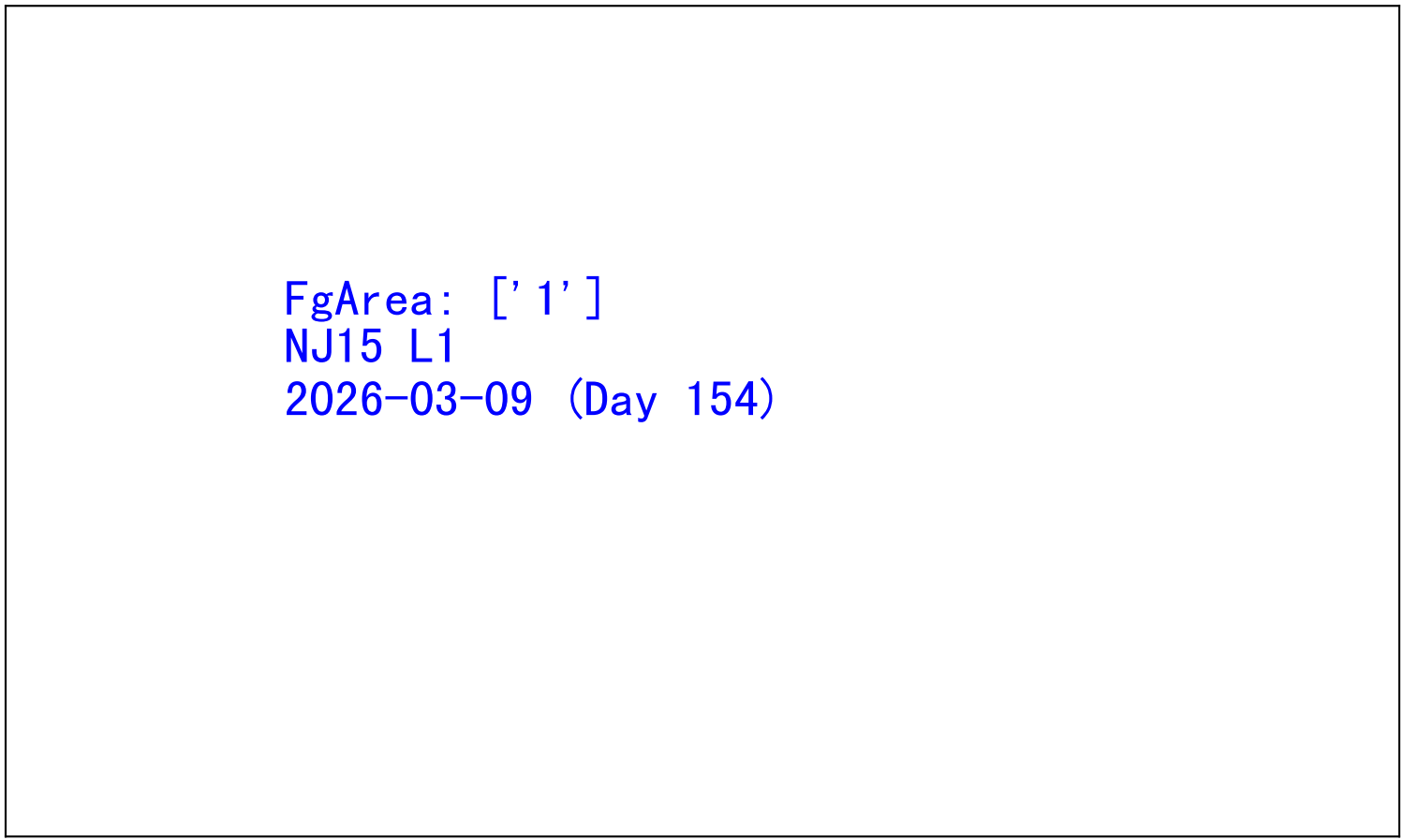
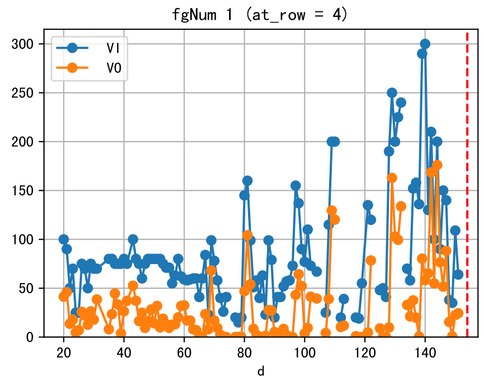
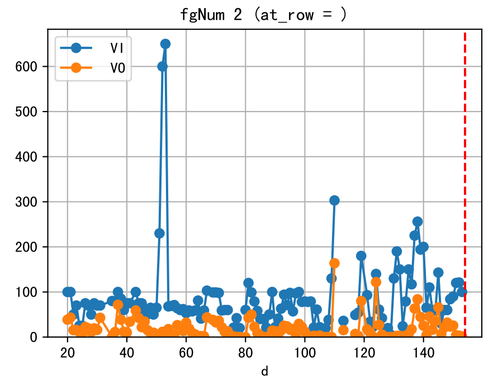
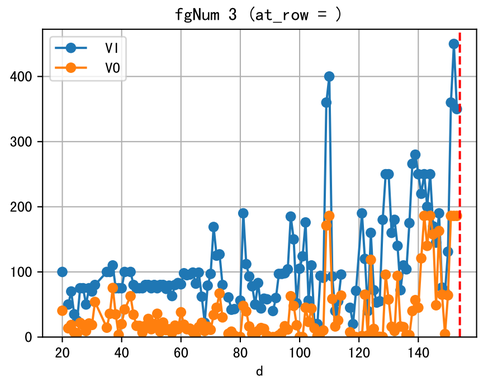
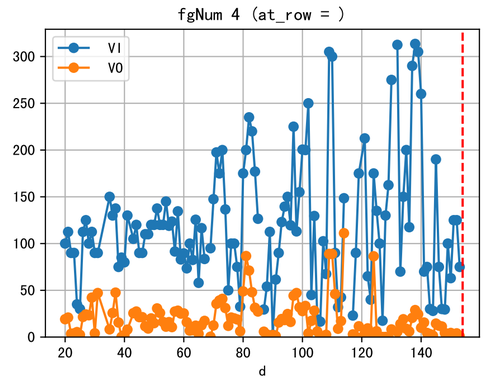
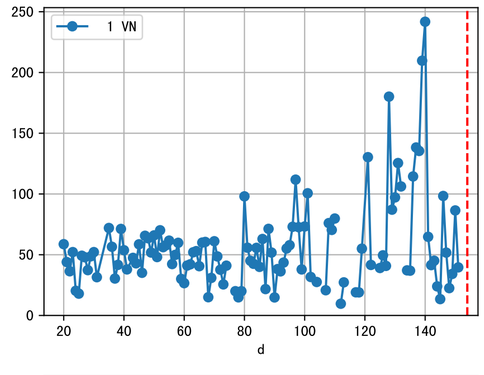

FgArea: ['1']
NJ15 L1
2026-03-09 (Day 154)

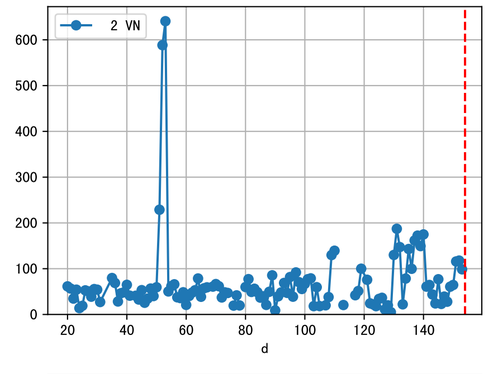

fgNum 1 (at_row = 4)
VI
VO
d

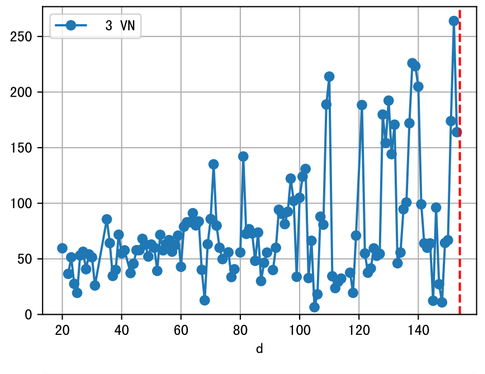

fgNum 2 (at_row =)
VI
VO
d

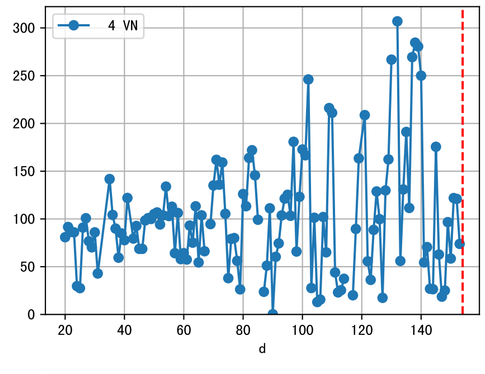

fgNum 3 (at_row =)
VI
VO
d

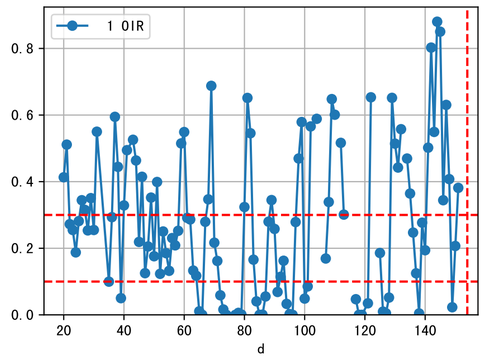

fgNum 4 (at_row =)
VI
VO
d

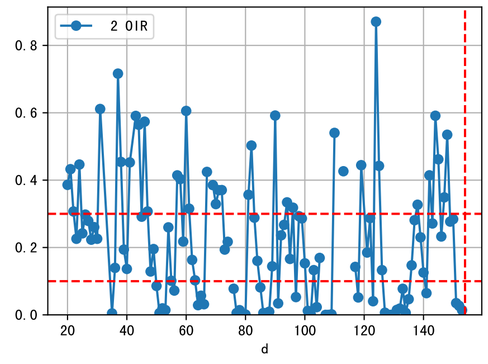

1 VN
d

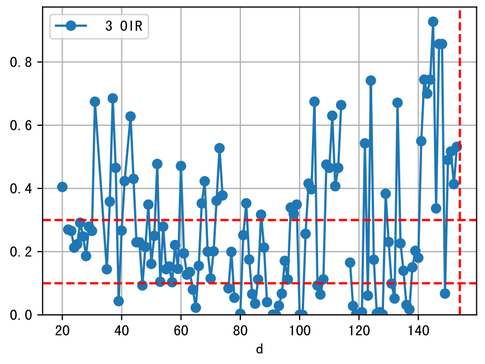

2 VN
d

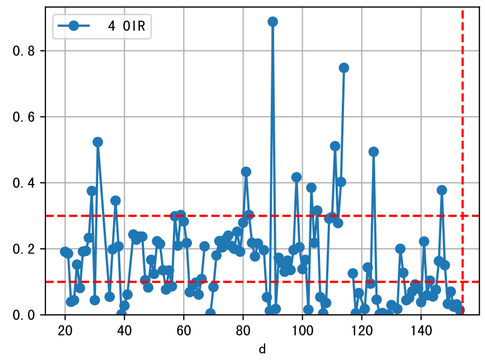

3 VN
d

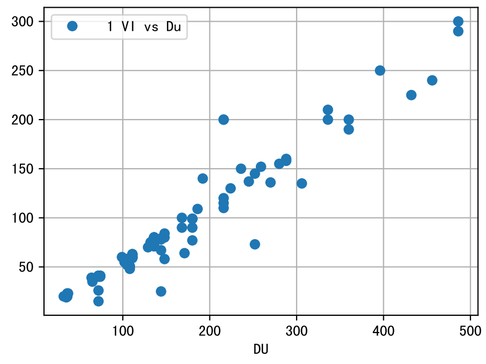

4 VN
d

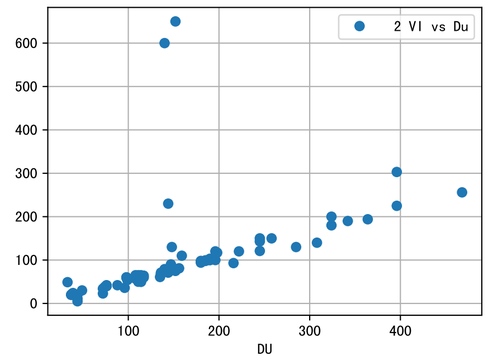

1 OIR
d

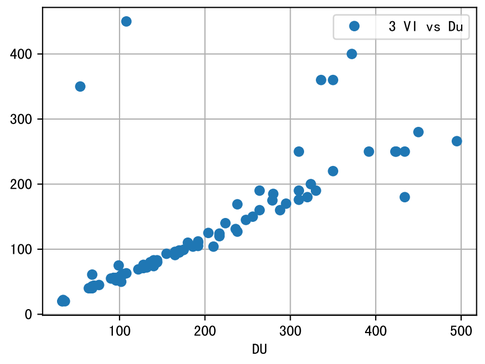

2 OIR
d

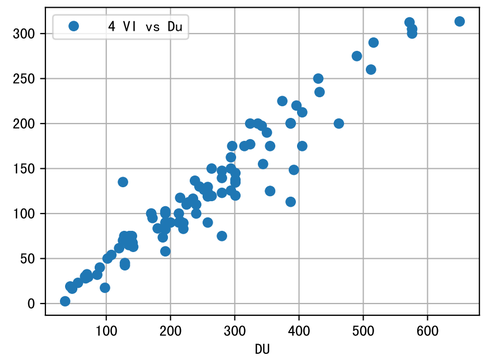

3 OIR
d

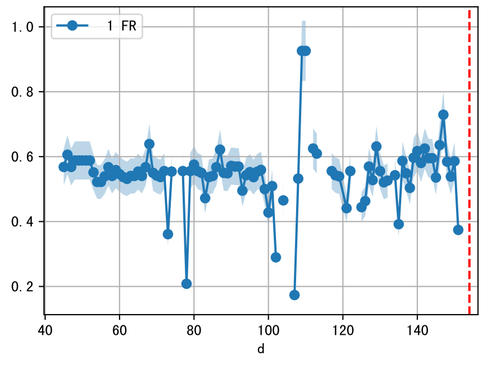

4 OIR
d

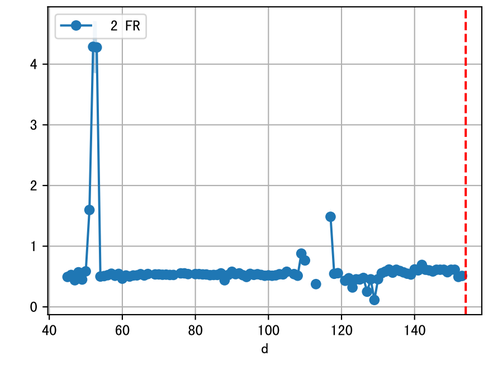

1 VI vs Du
DU

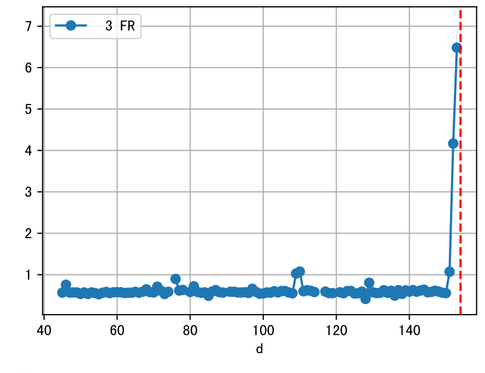

2 VI vs Du
DU

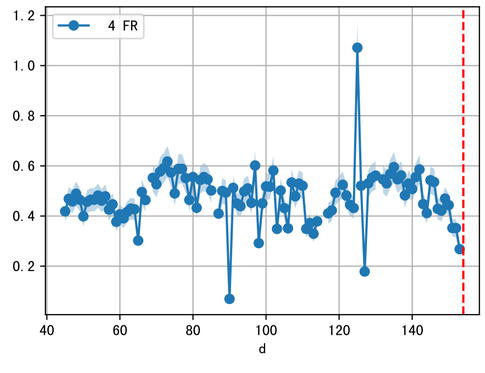

3 VI vs Du
DU

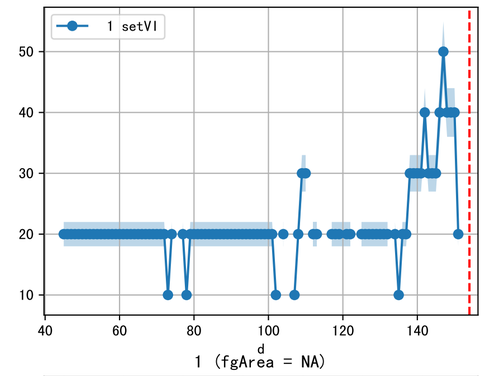

4 VI vs Du
DU

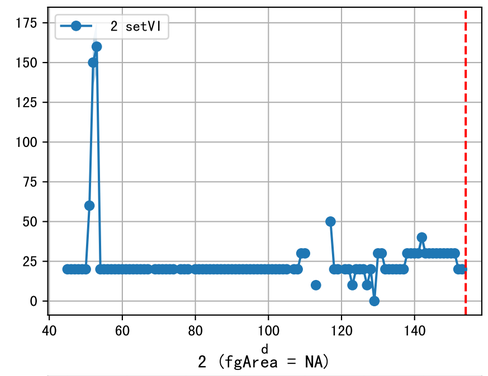

1 FR
d

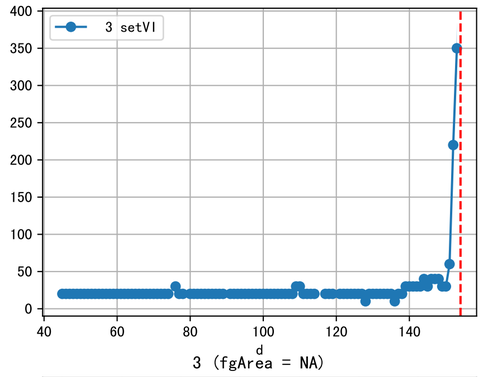

2 FR
d

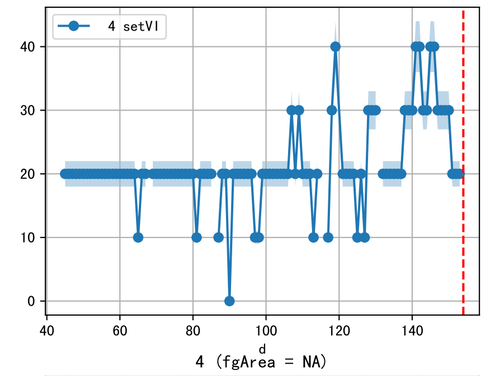

3 FR
d

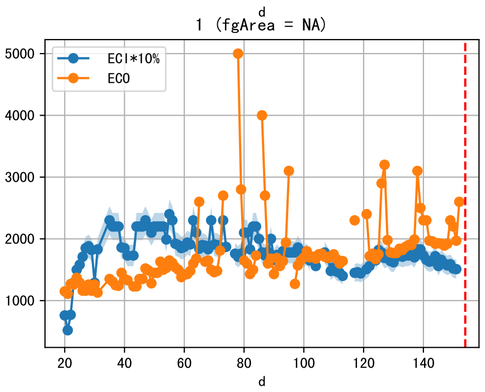

4 FR
d

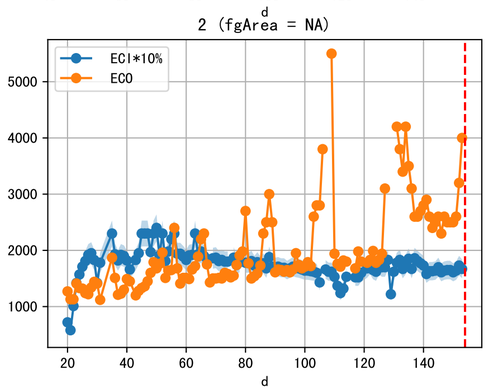

1 setVI
d

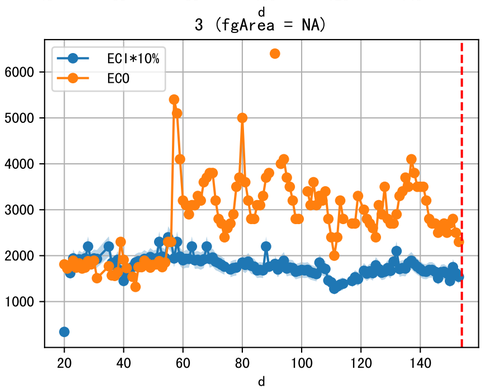

2 setVI
d

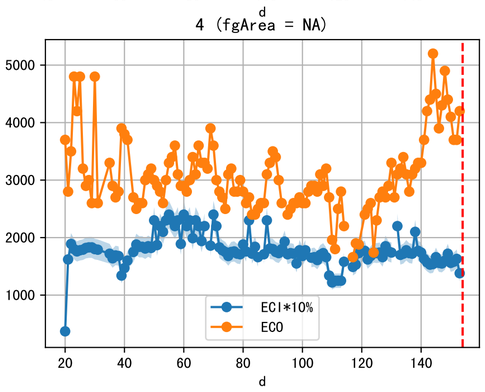

3 setVI
d

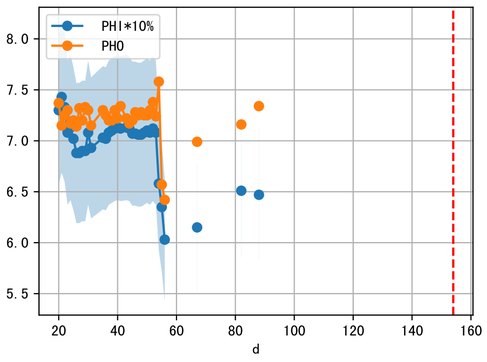
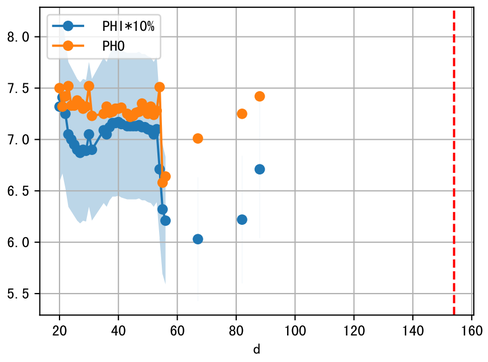
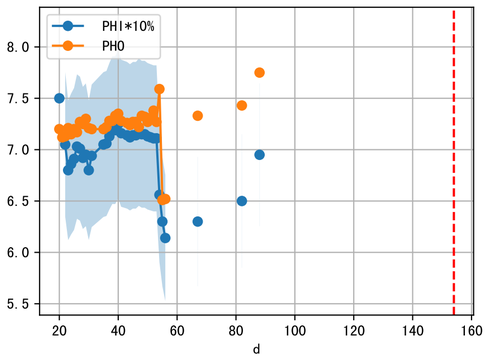
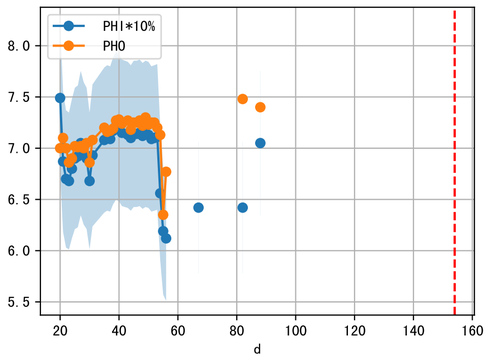

4 setVI
d

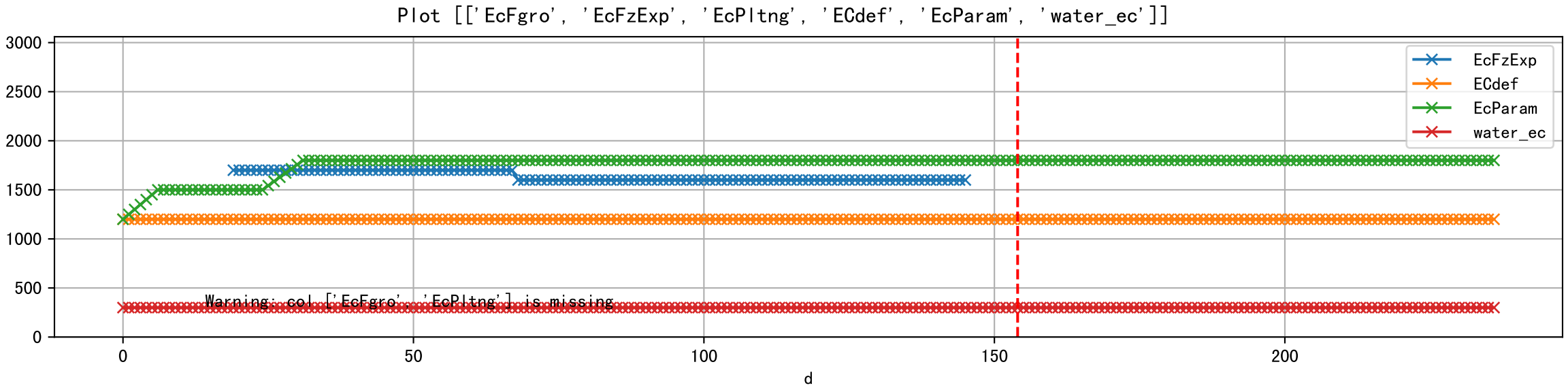

1 (fgArea = NA)
ECI*10%
ECO
d

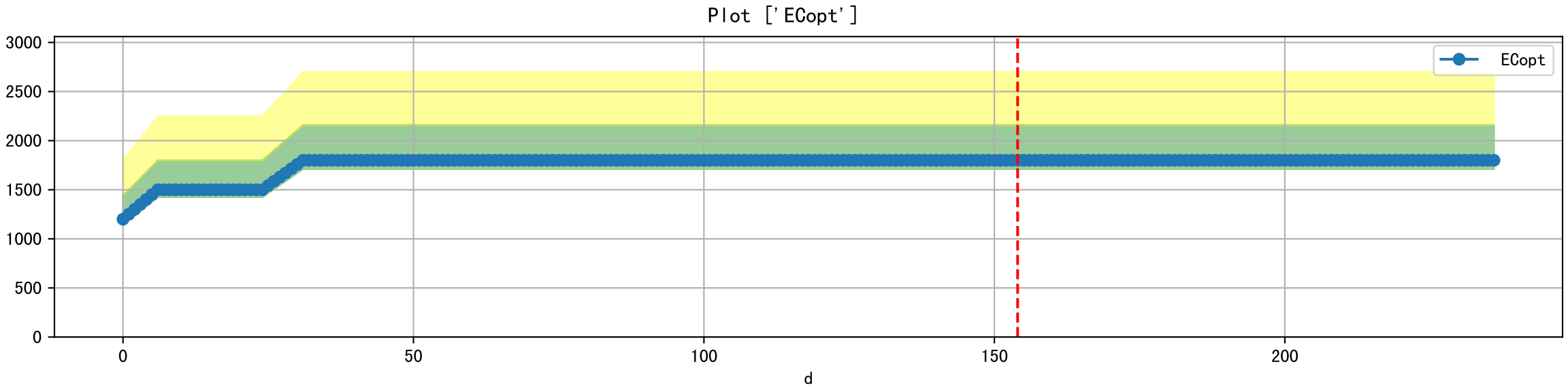

2 (fgArea = NA)
ECI*10%
ECO
d

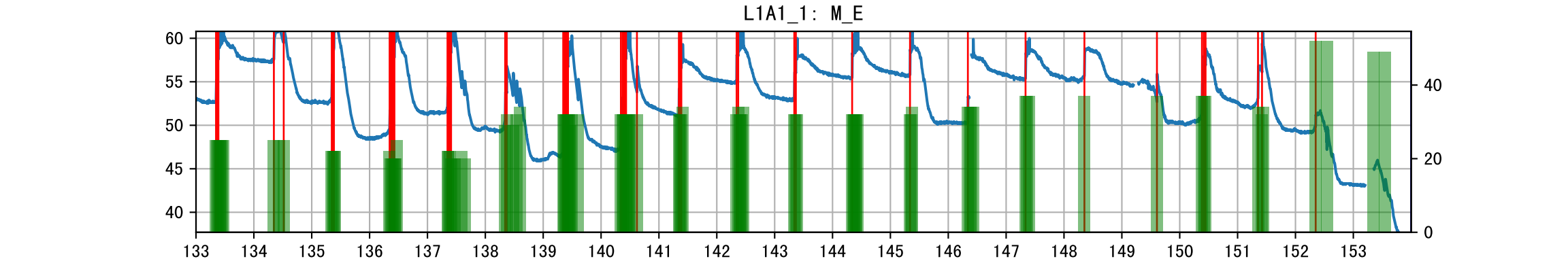

3 (fgArea = NA)
ECI*10%
ECO
d


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

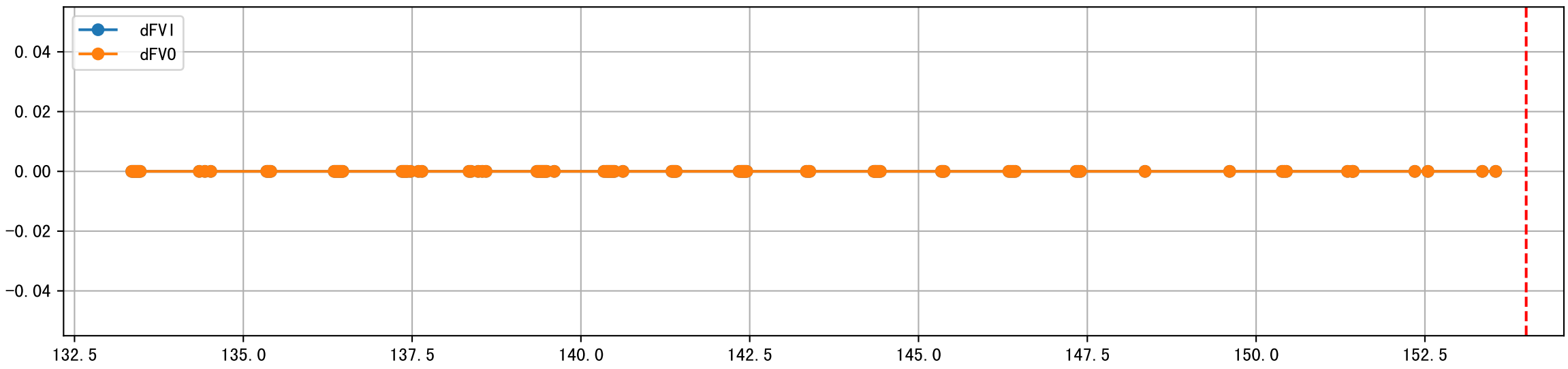

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

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

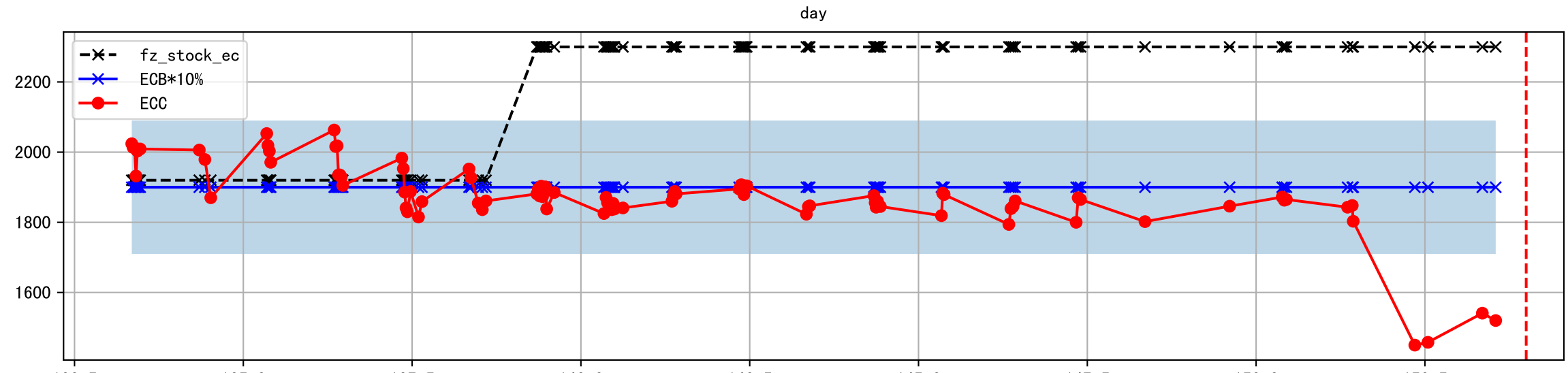

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

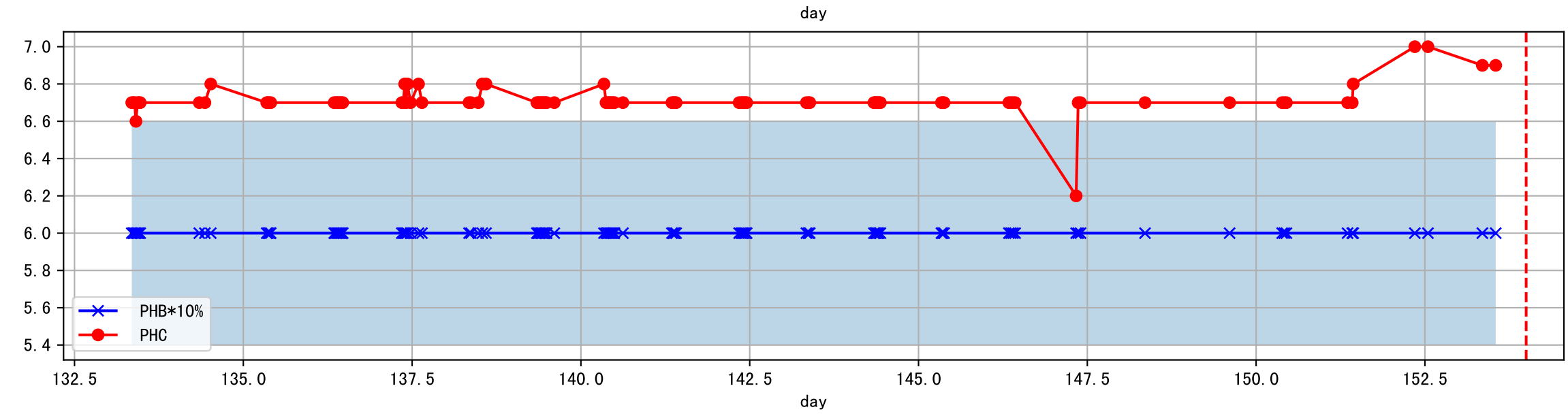

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

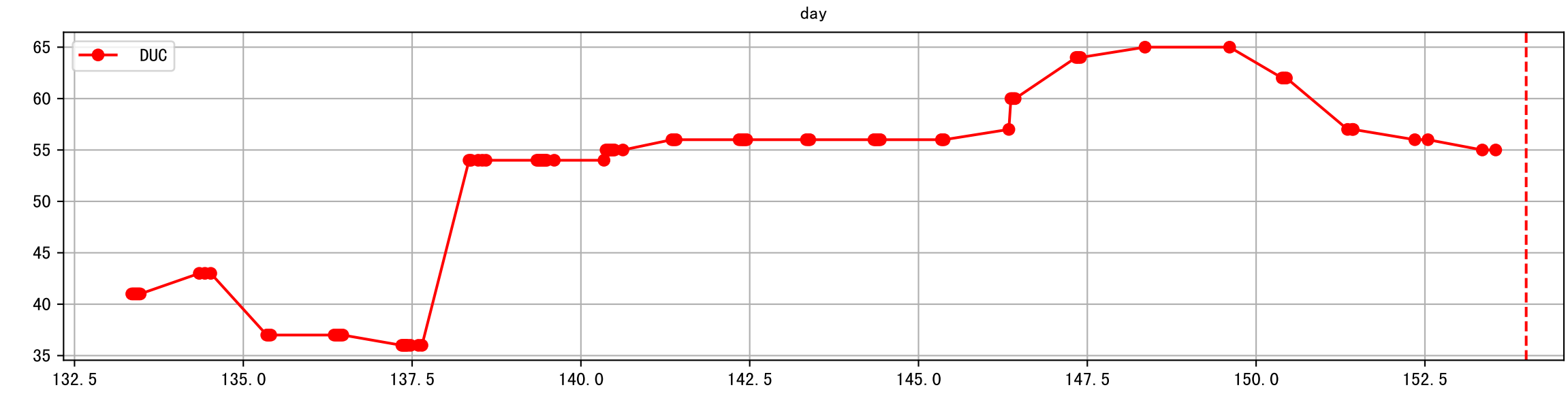

L1A1_1: M_E
60
55
50
45
40
40
20
0
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153

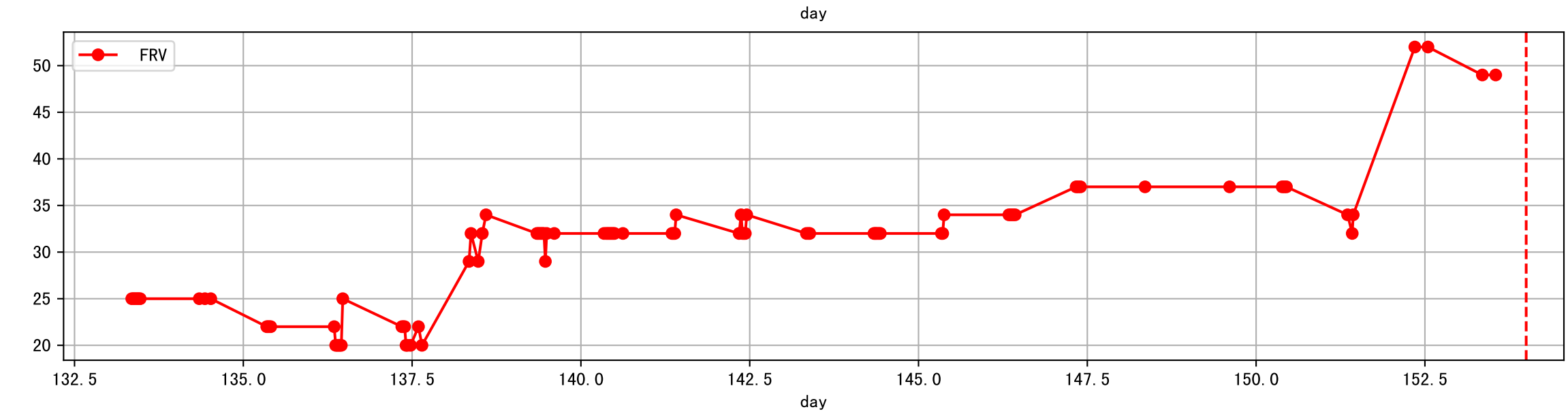
Plot Sensor and FgRec Data

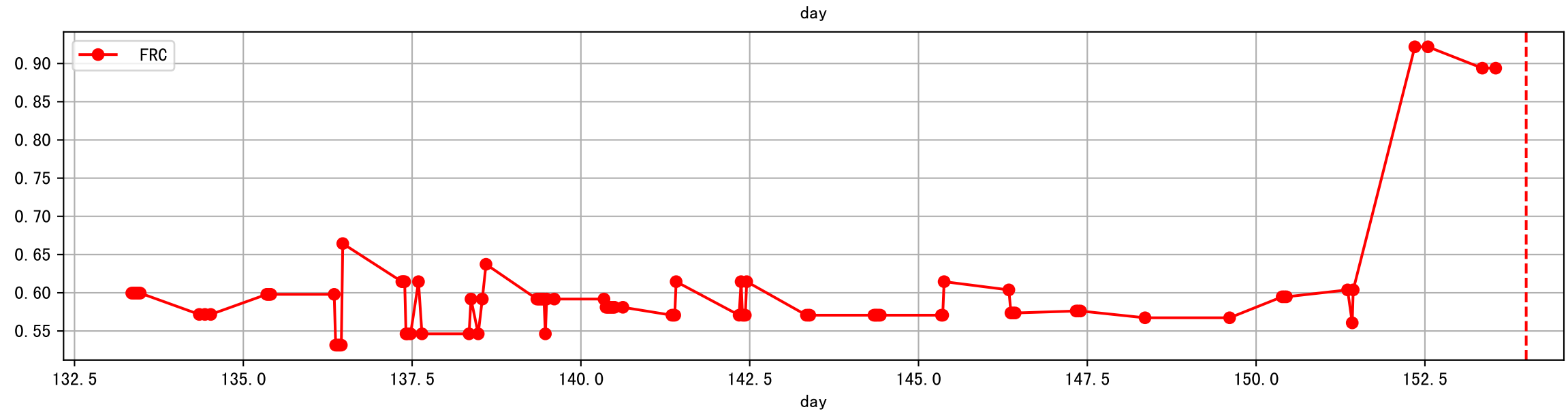


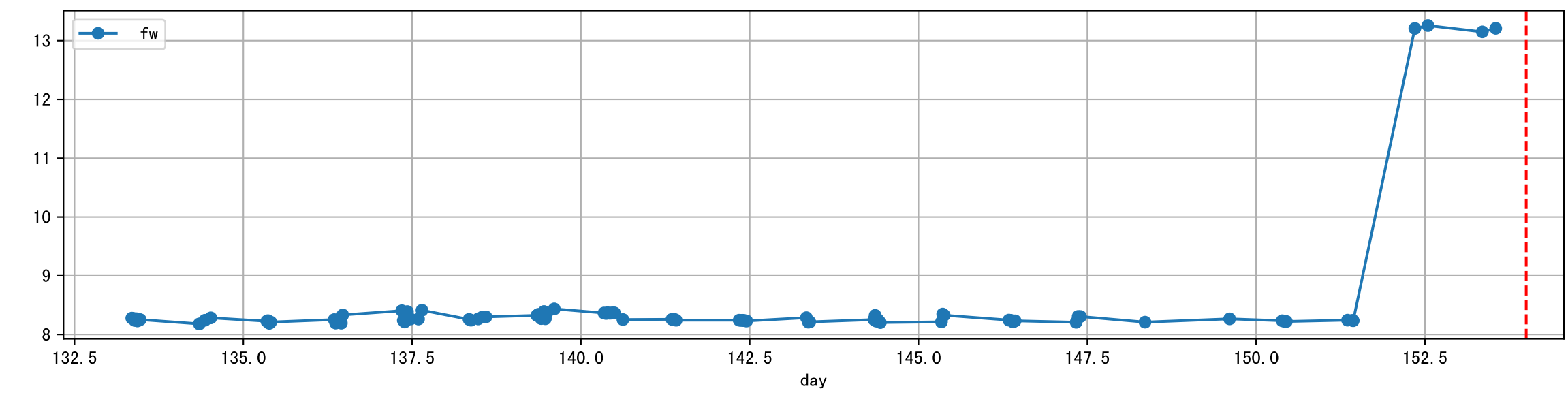


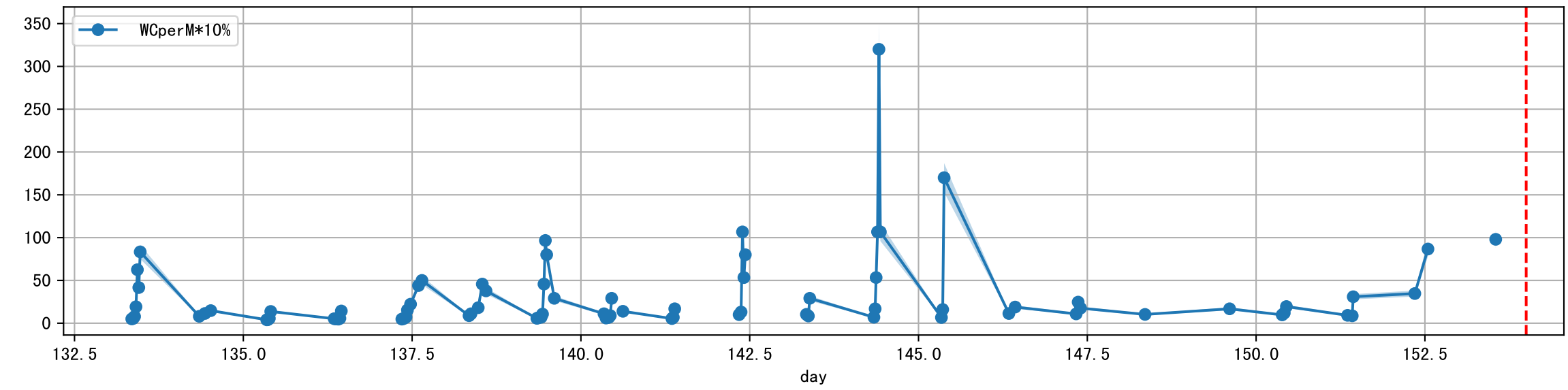


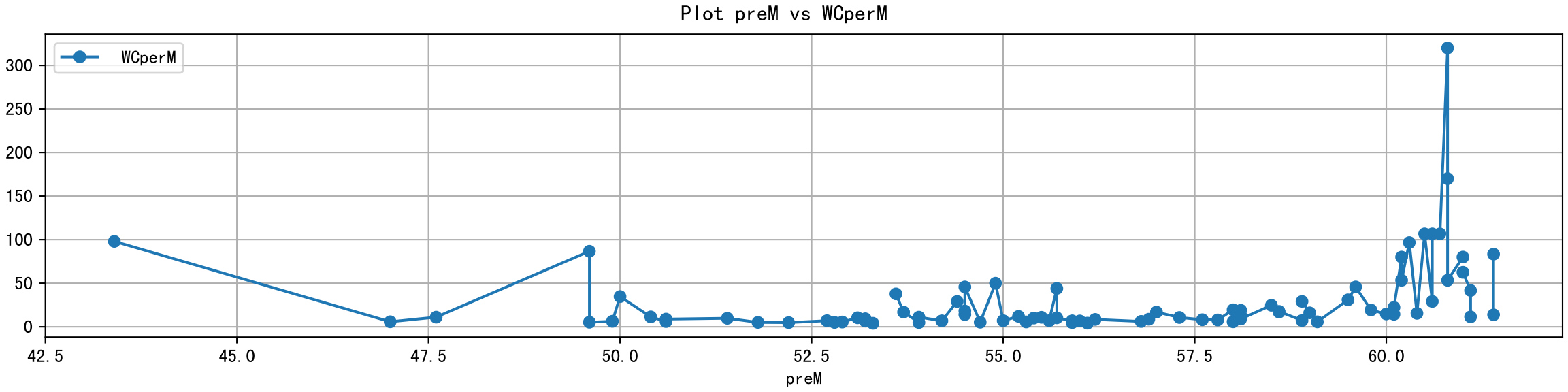


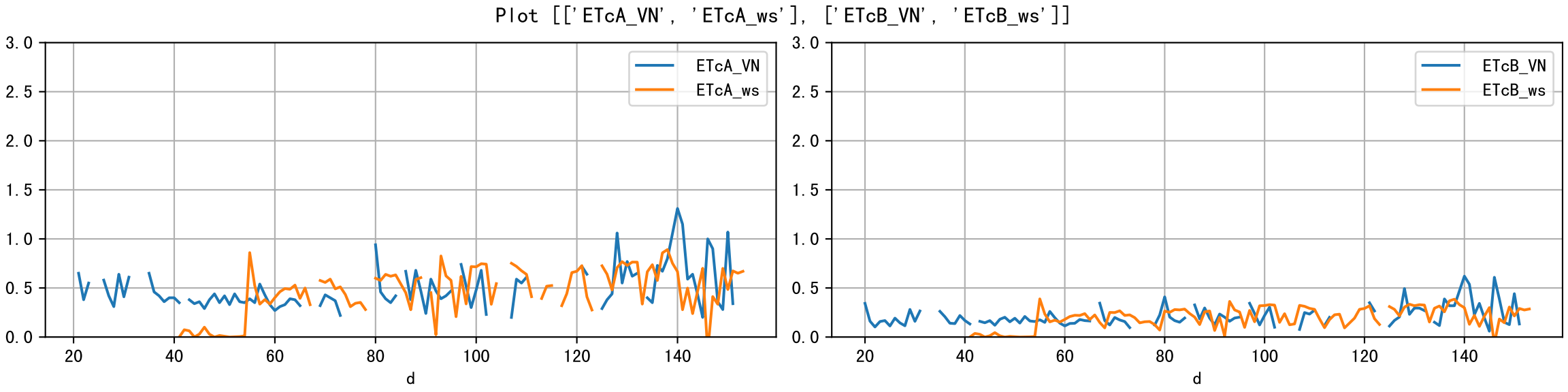


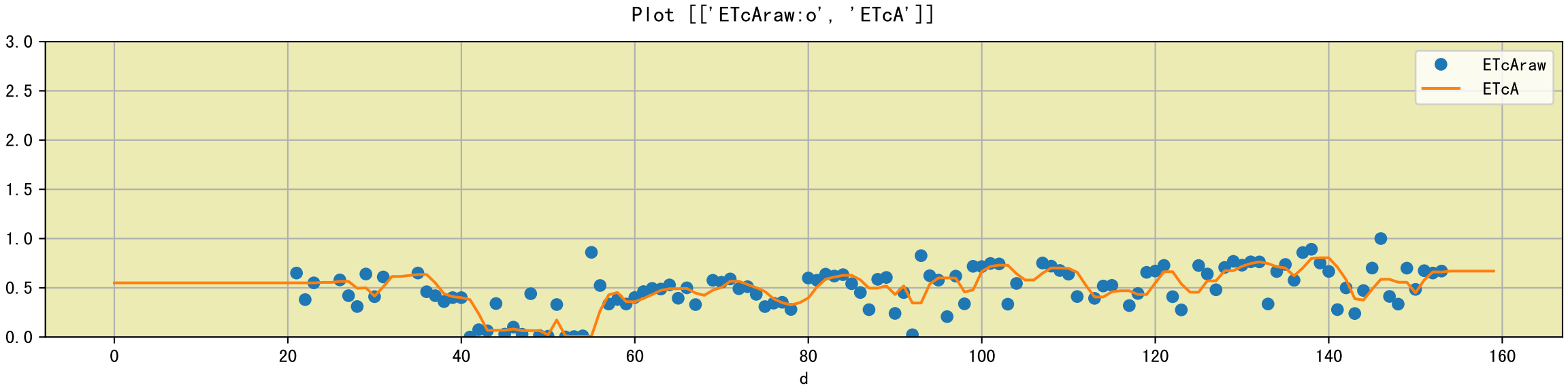


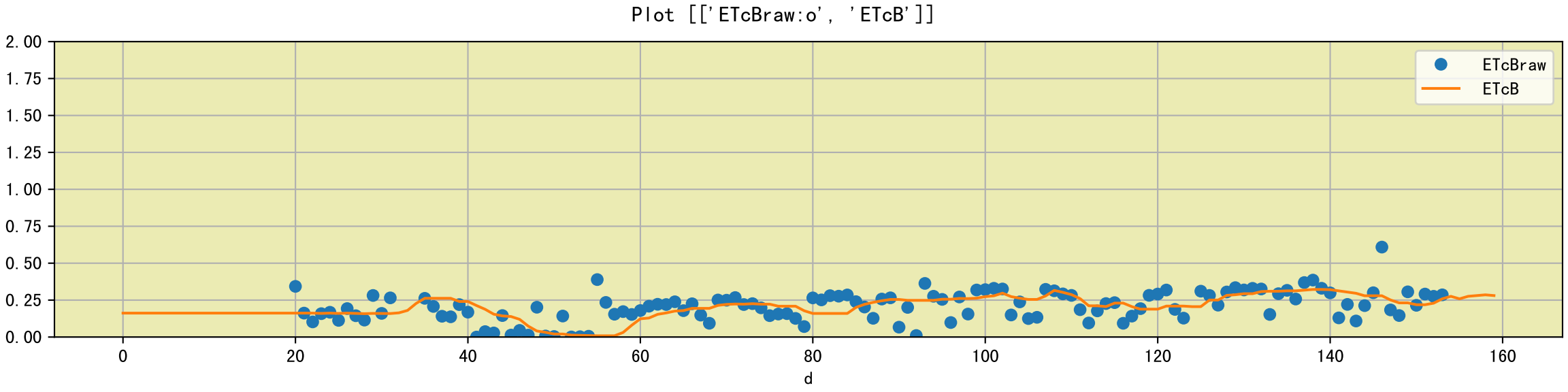




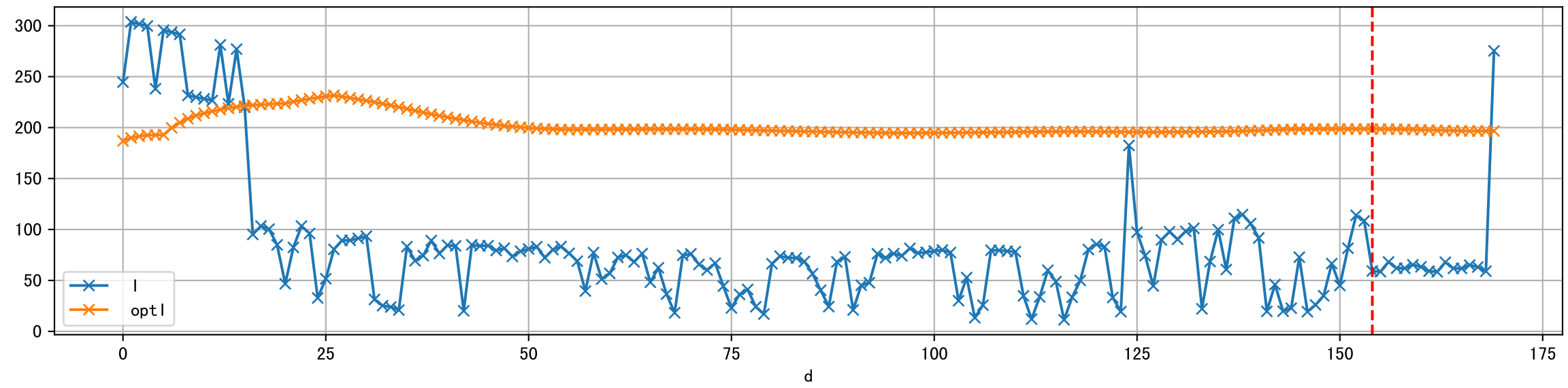

Plot preM vs WCperM
WCperM
300
250
200
150
100
50
0
42.5
45.0
47.5
50.0
52.5
55.0
57.5
60.0
preM

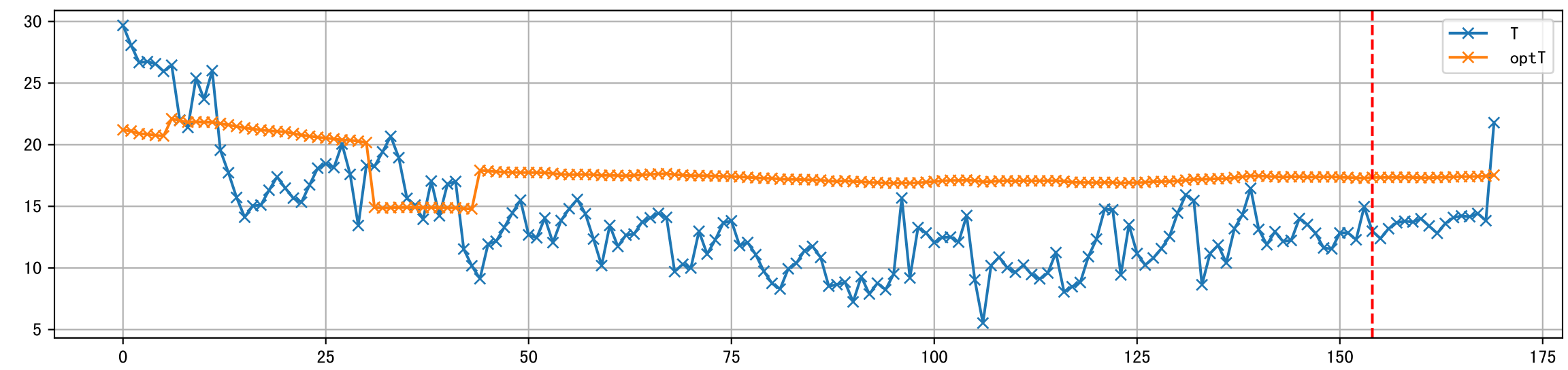

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
d

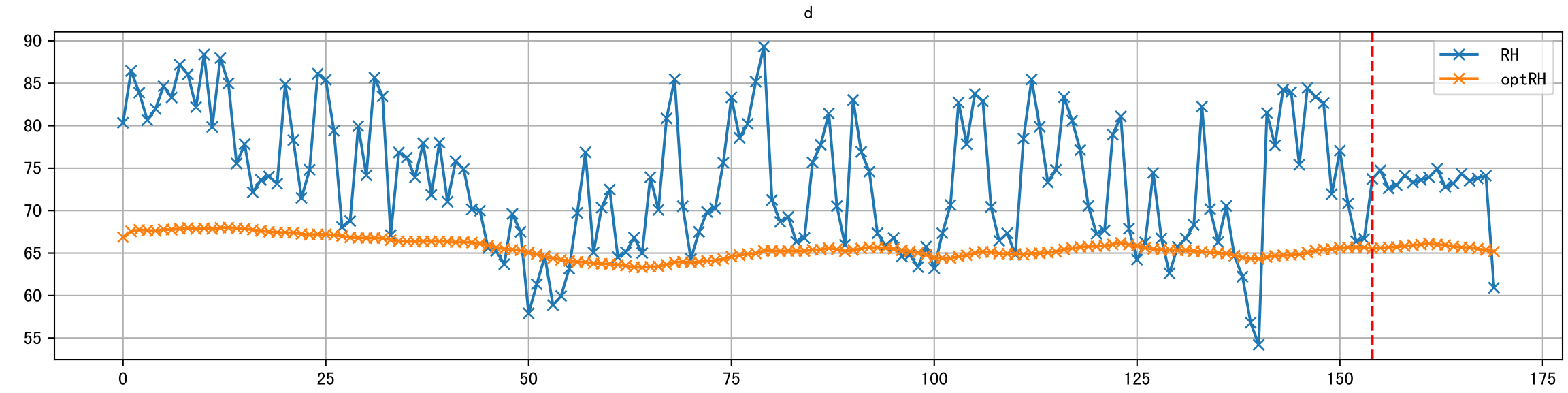

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
160
d
ETcAraw
ETcA

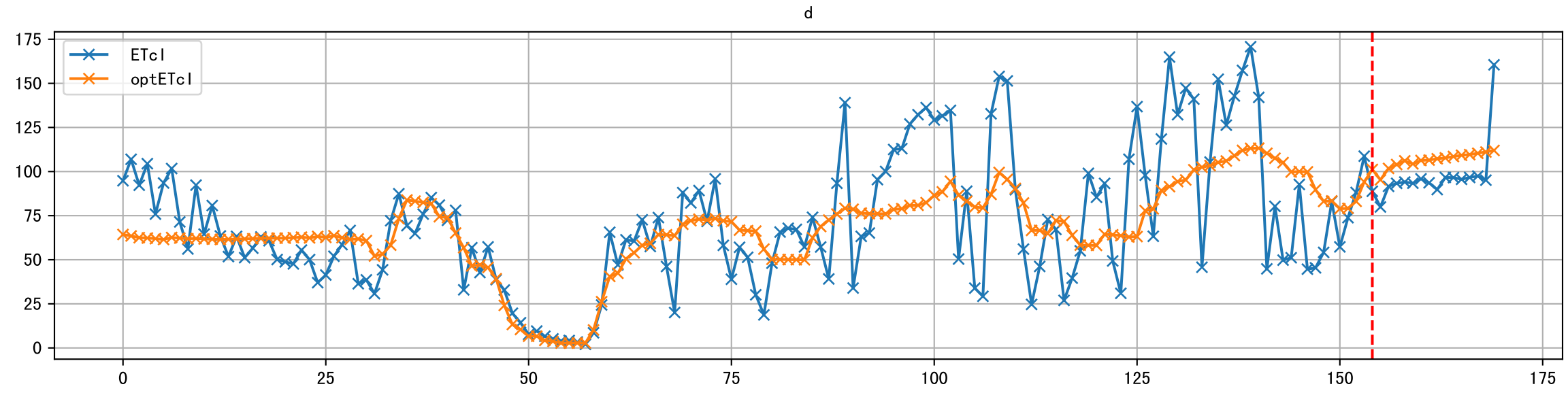

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
160
d
ETcBraw
ETcB

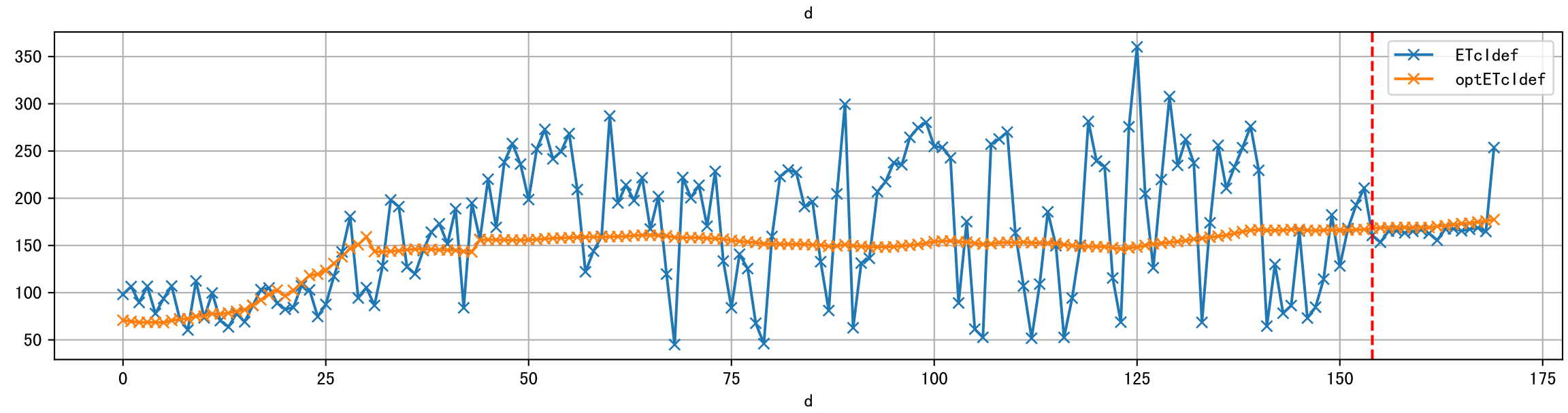
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

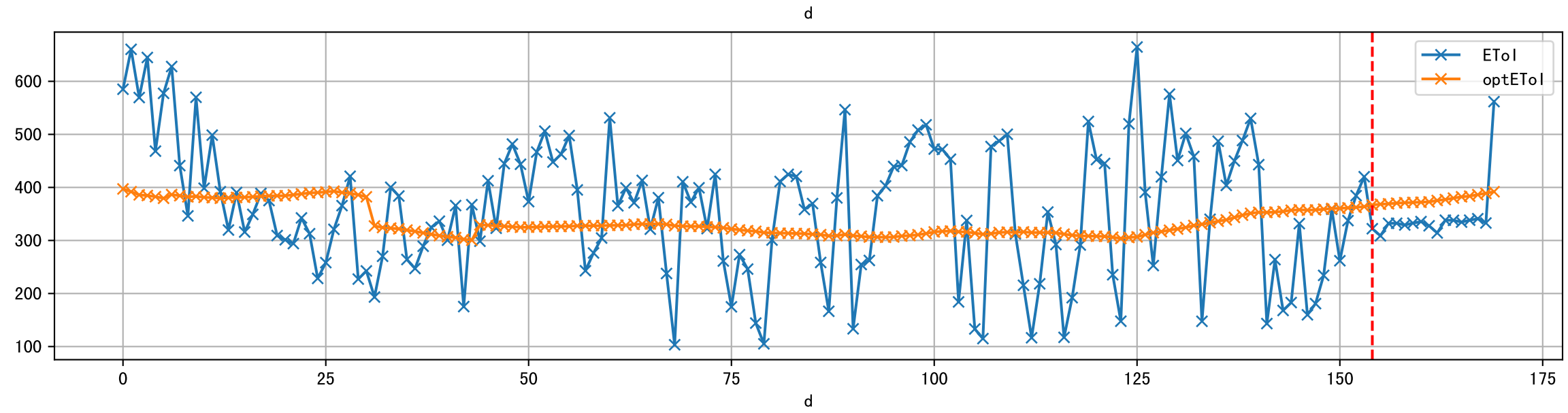


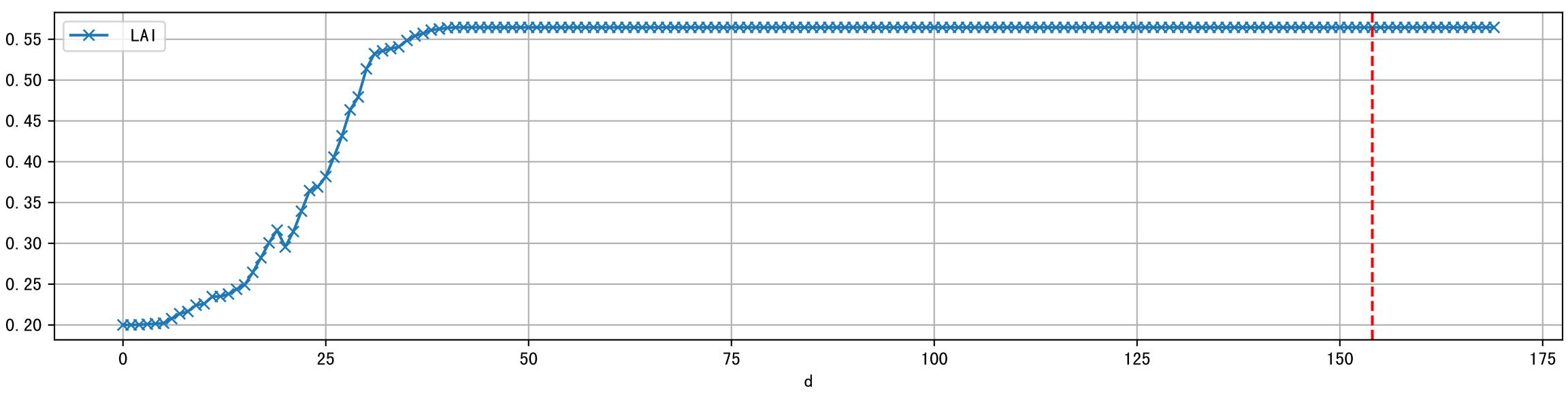


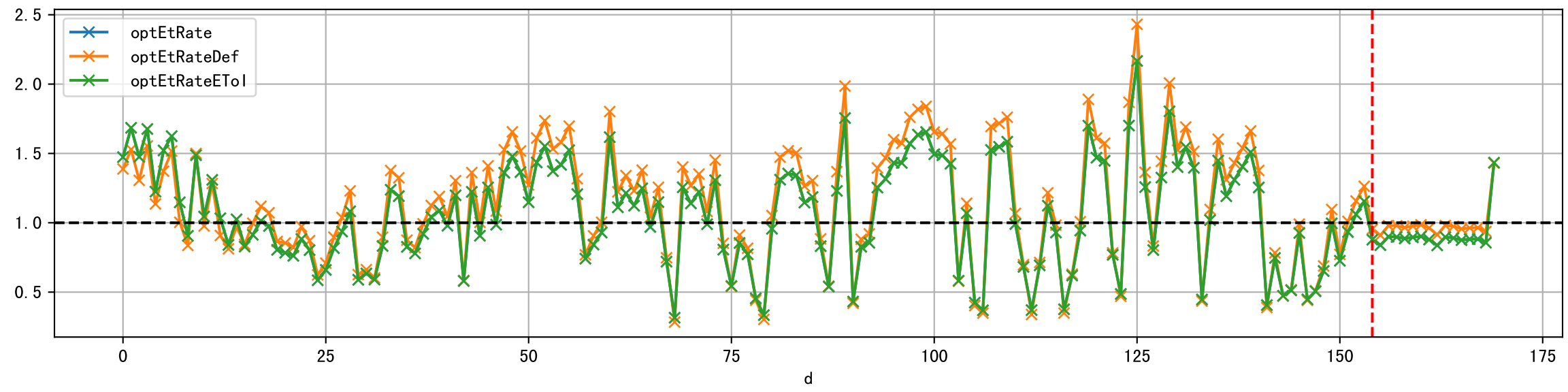


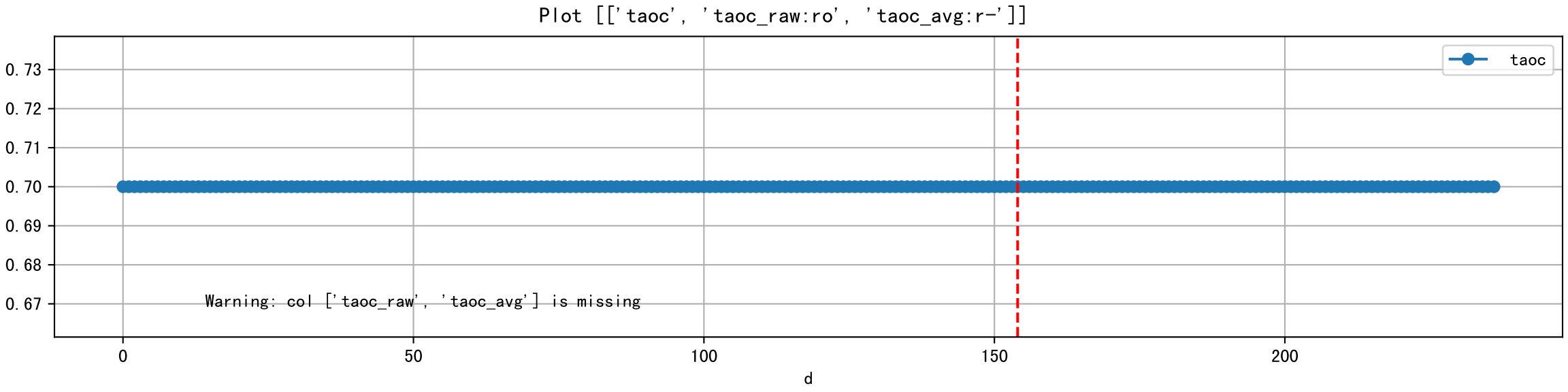


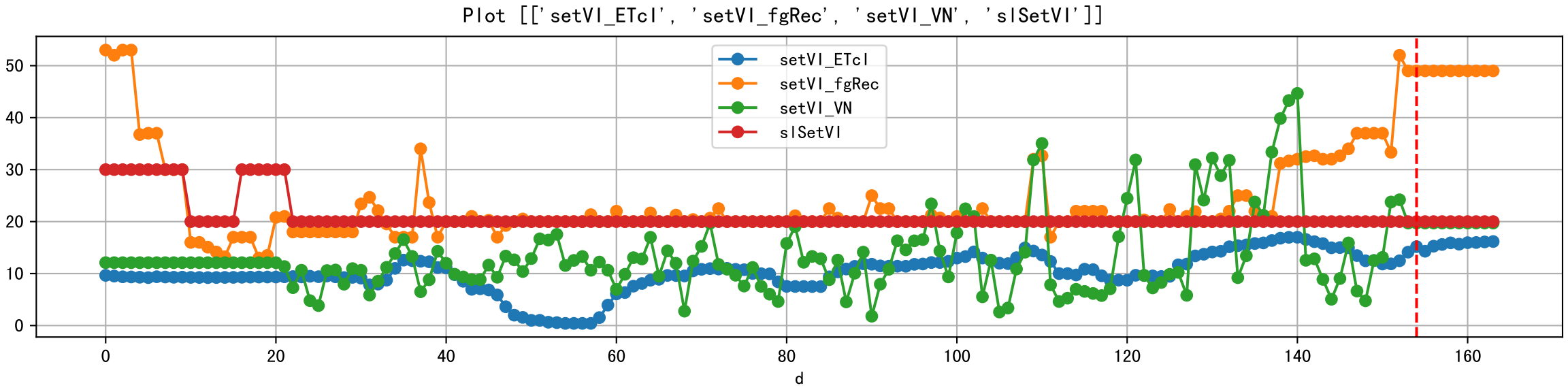


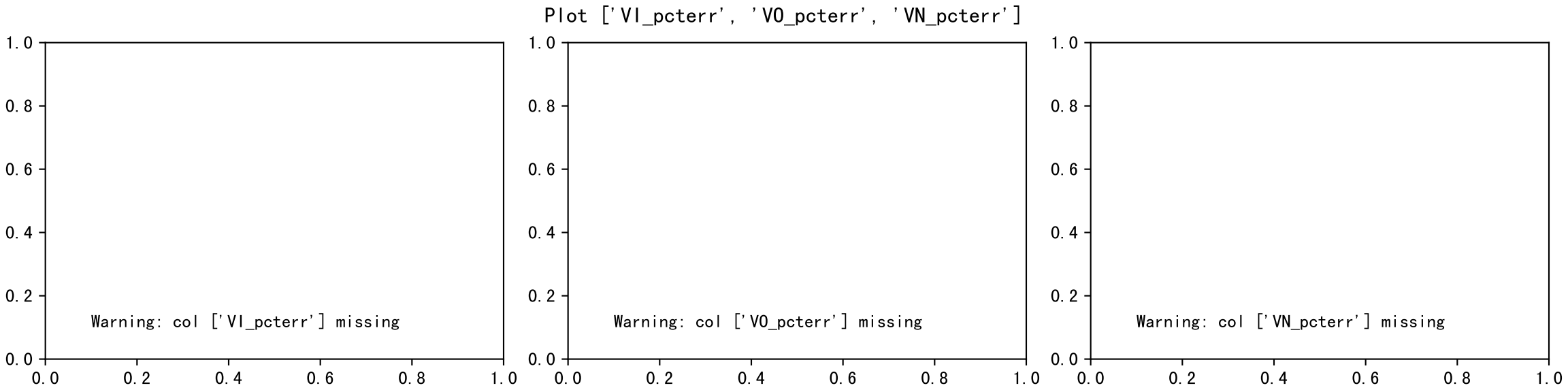


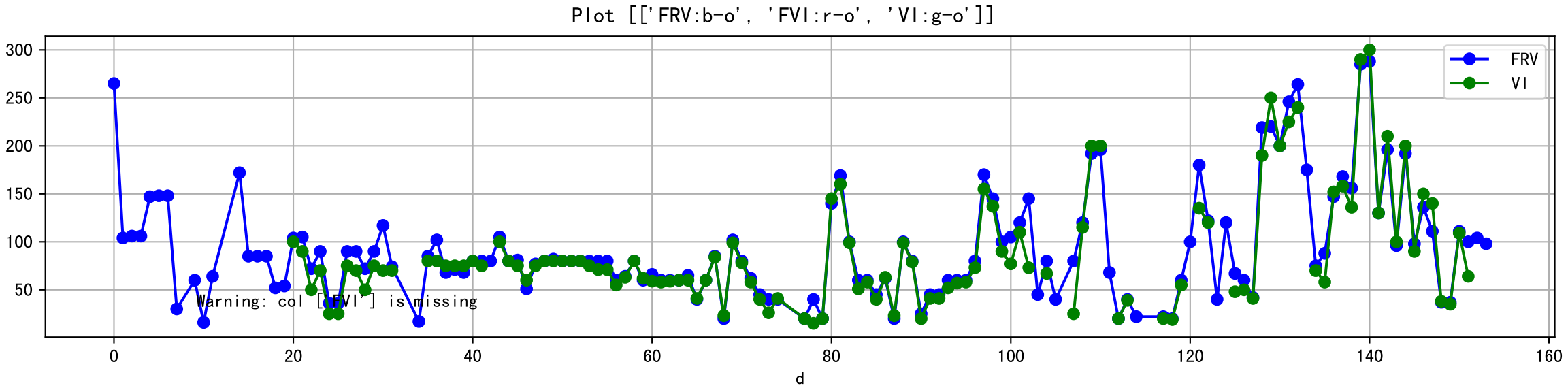


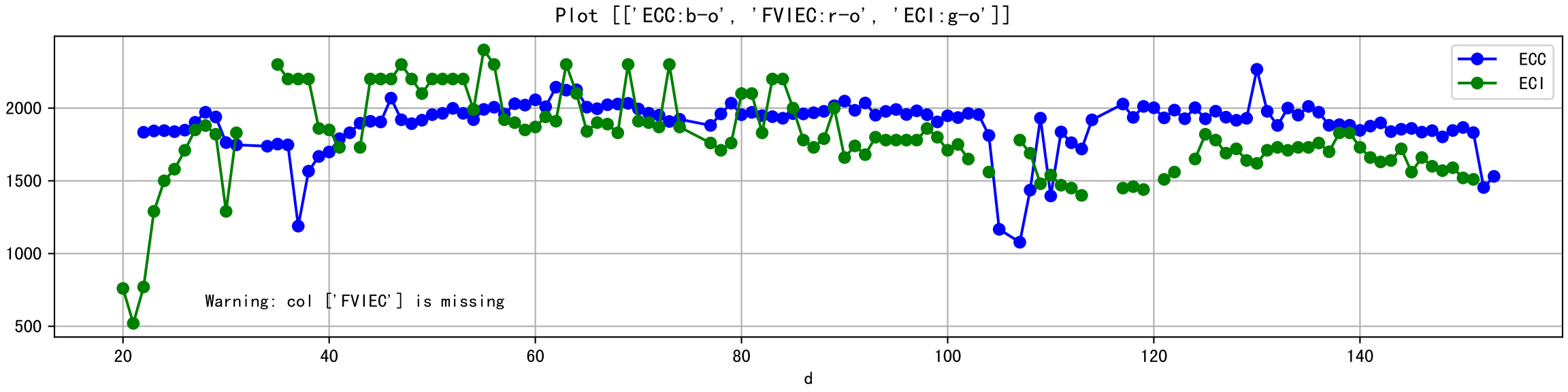


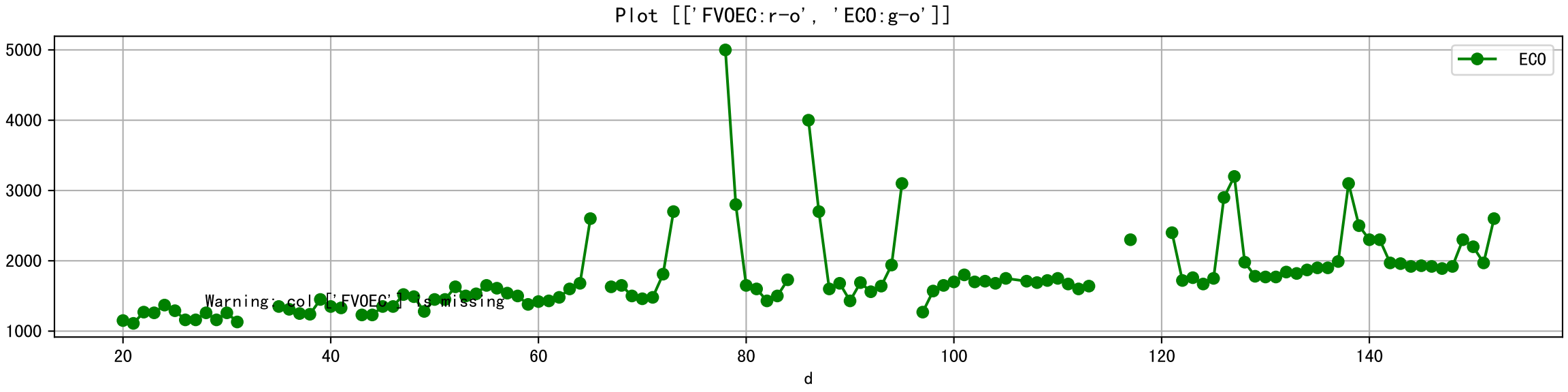

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

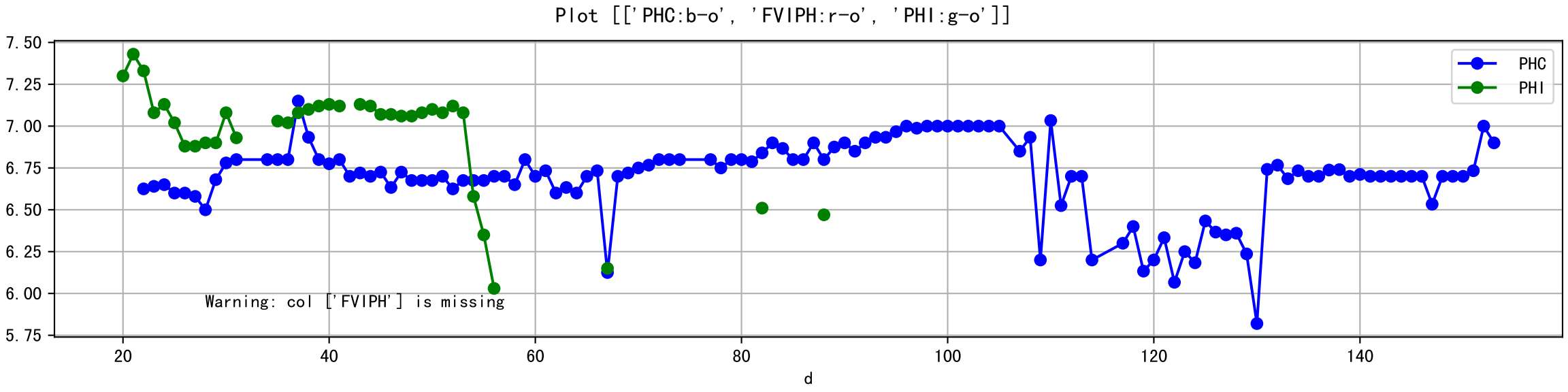

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
160
d

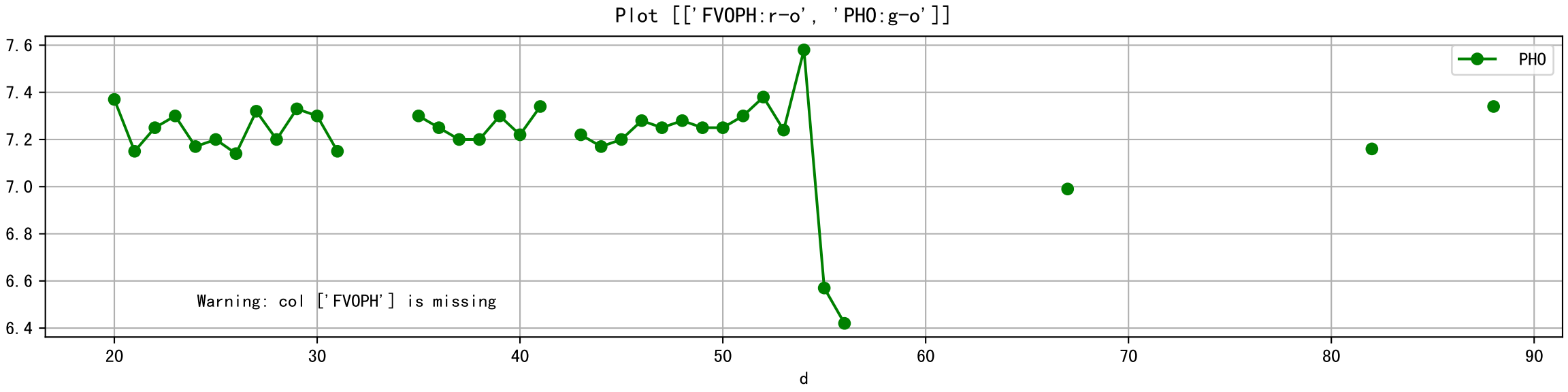

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

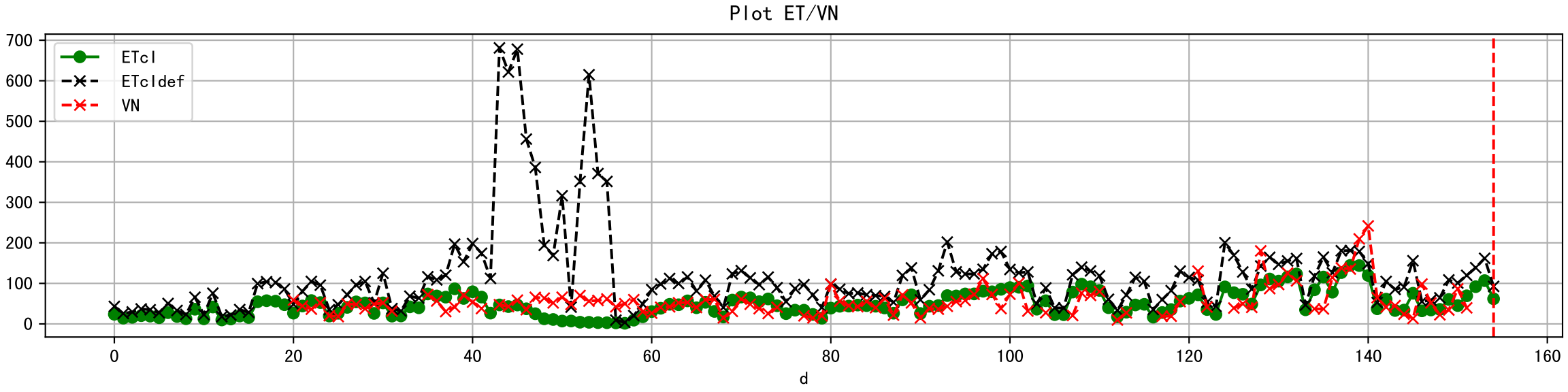

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col [rFVI'] is missing
300
250
200
150
100
50
0
20
40
60
80
100
120
140
160
d


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

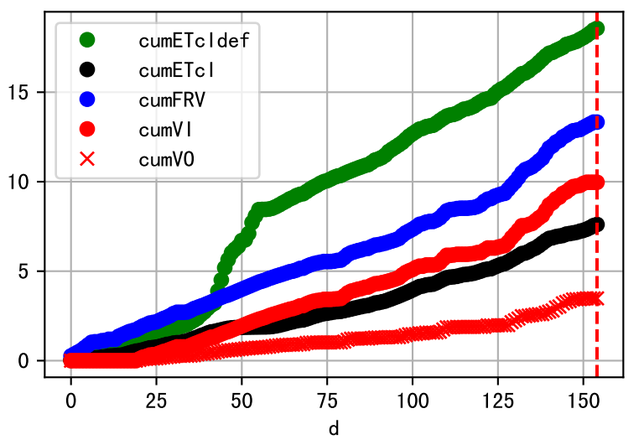

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
120
140
d

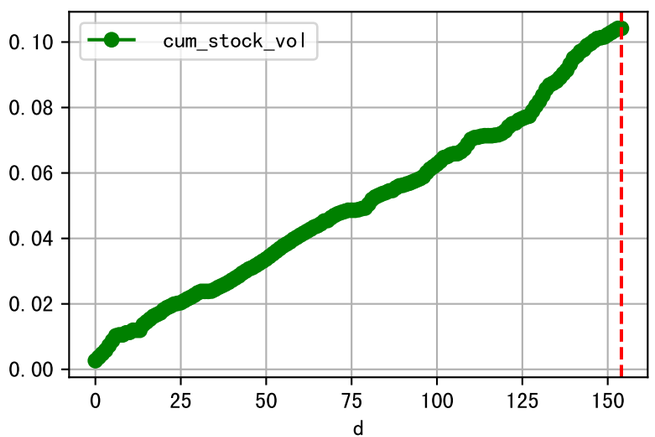

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.75
20
40
60
80
100
120
140
d
PHC
PHI
Warning: col ['FVIPH'] is missing

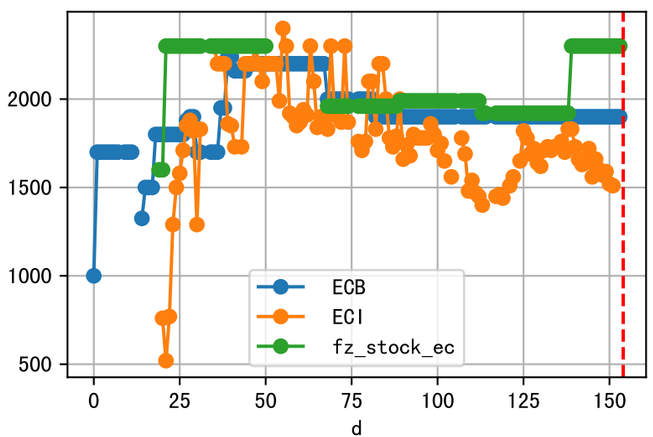

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

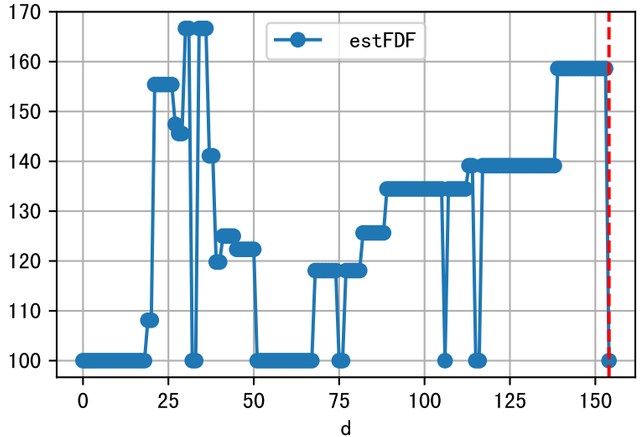

Plot ET/VN
ETcl
ETcldef
VN
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
d

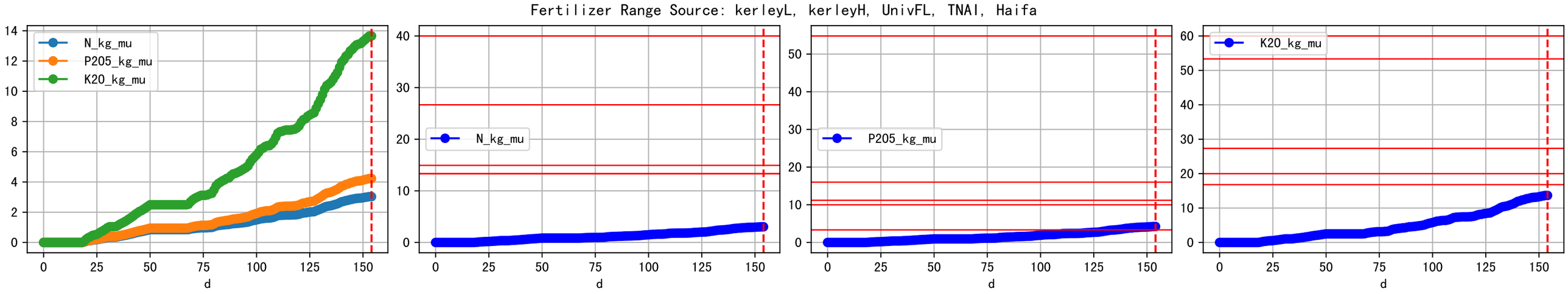
Plot Fv and fertilizer usage

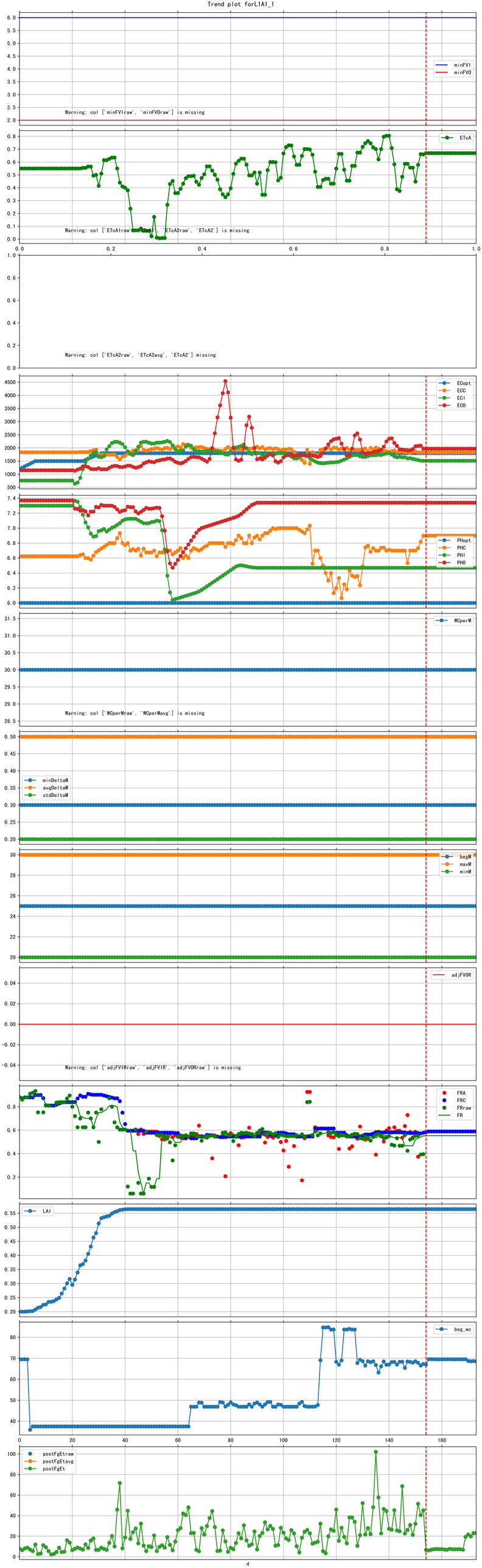


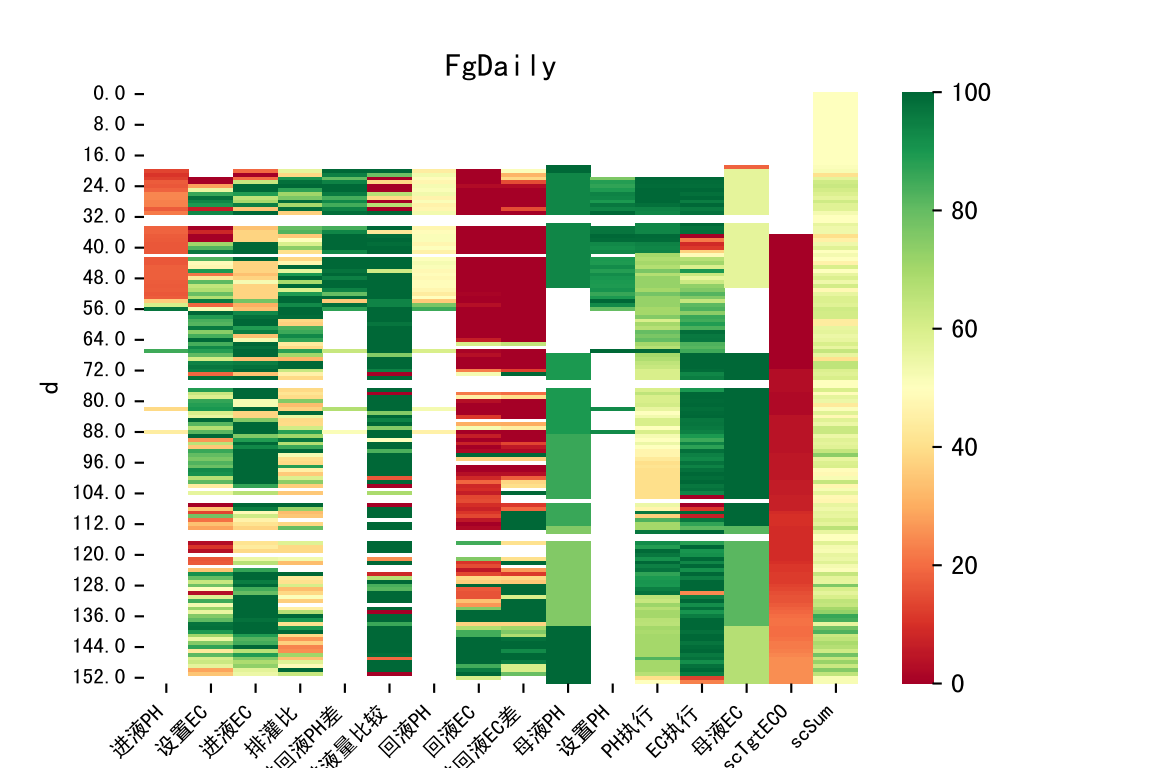




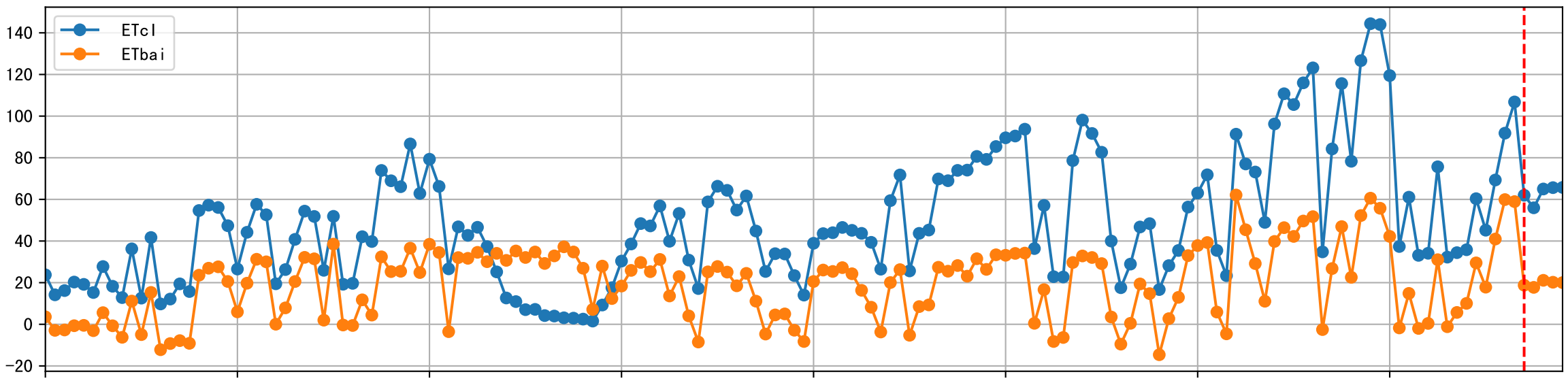


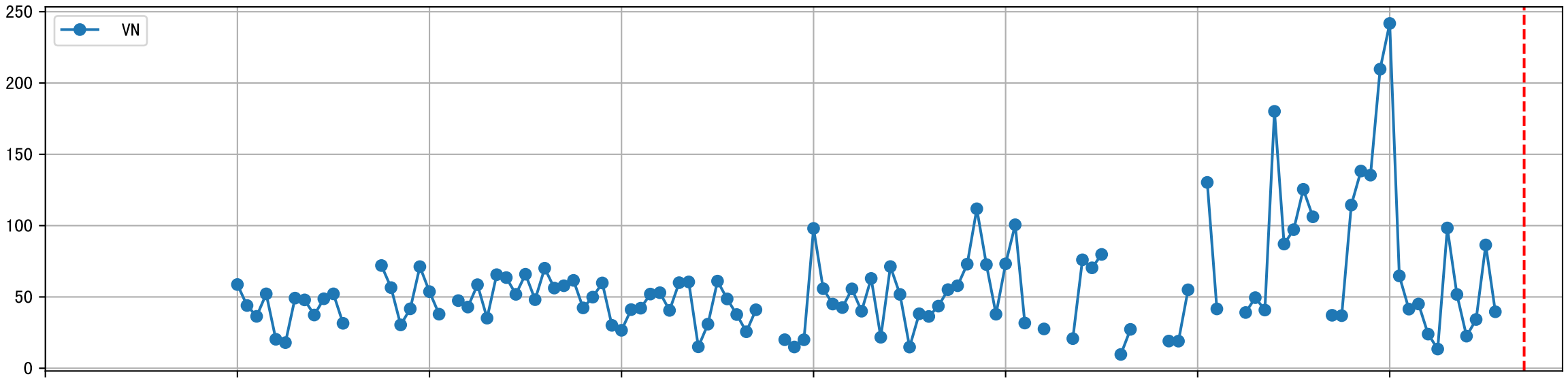

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

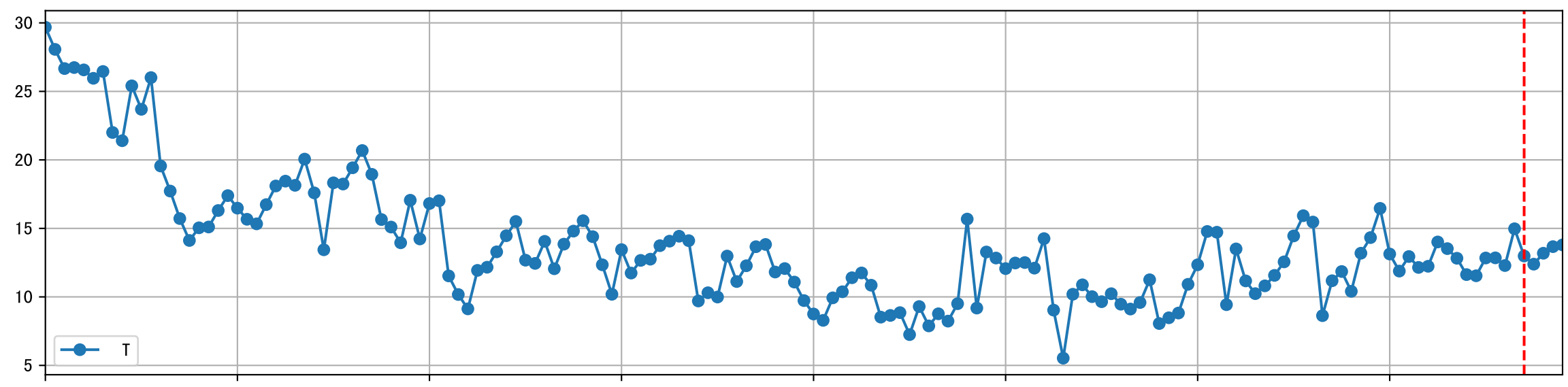

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1avg', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] 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

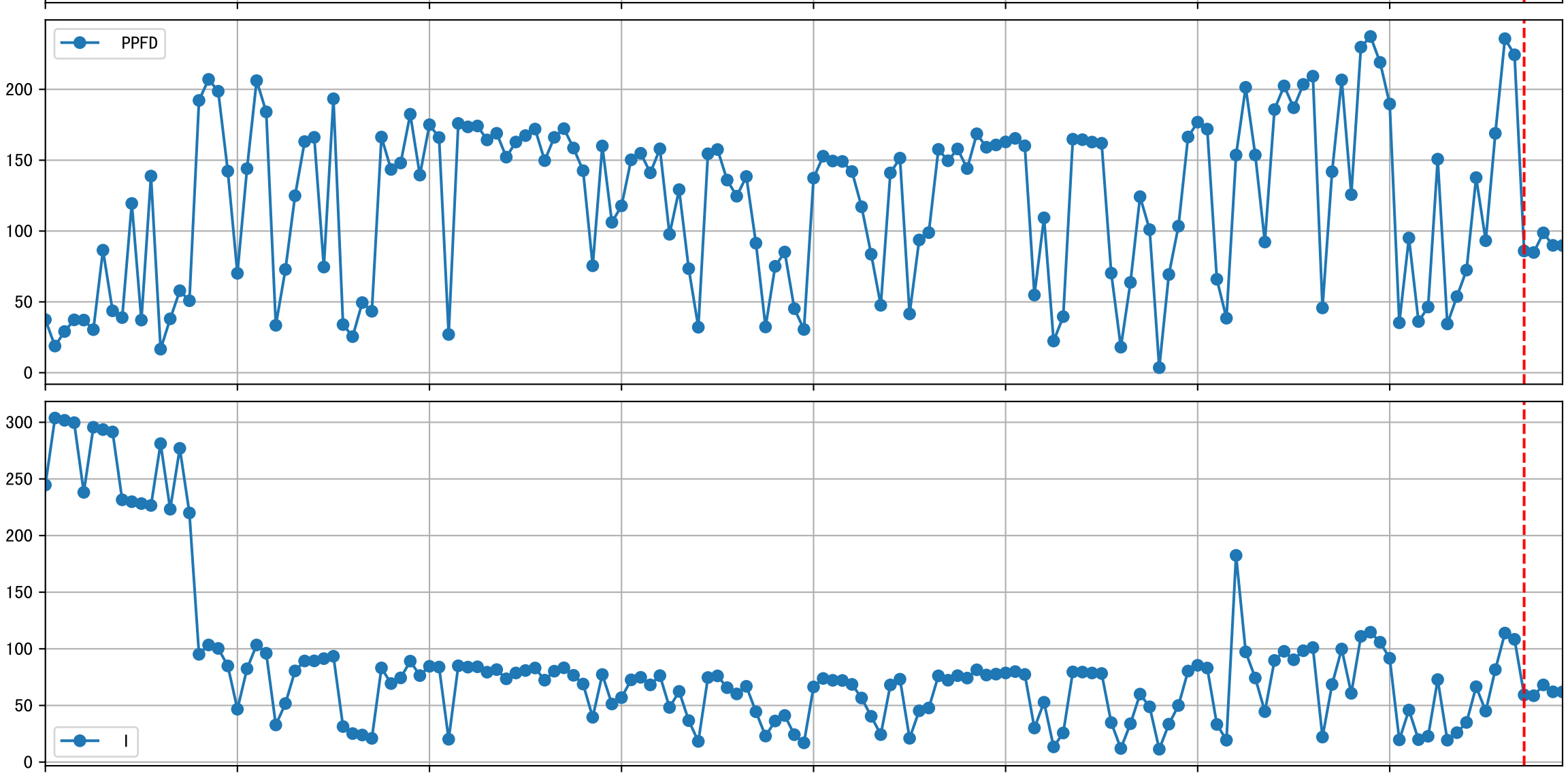

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
100
80
60
40
20
0
进液PH
设置EC
进液EC
排灌比
回液PH差
液量比较
回液PH
回液EC
回液EC差
母液PH
设置PH
PH执行
EC执行
母液EC
scTgtEC0
scSum

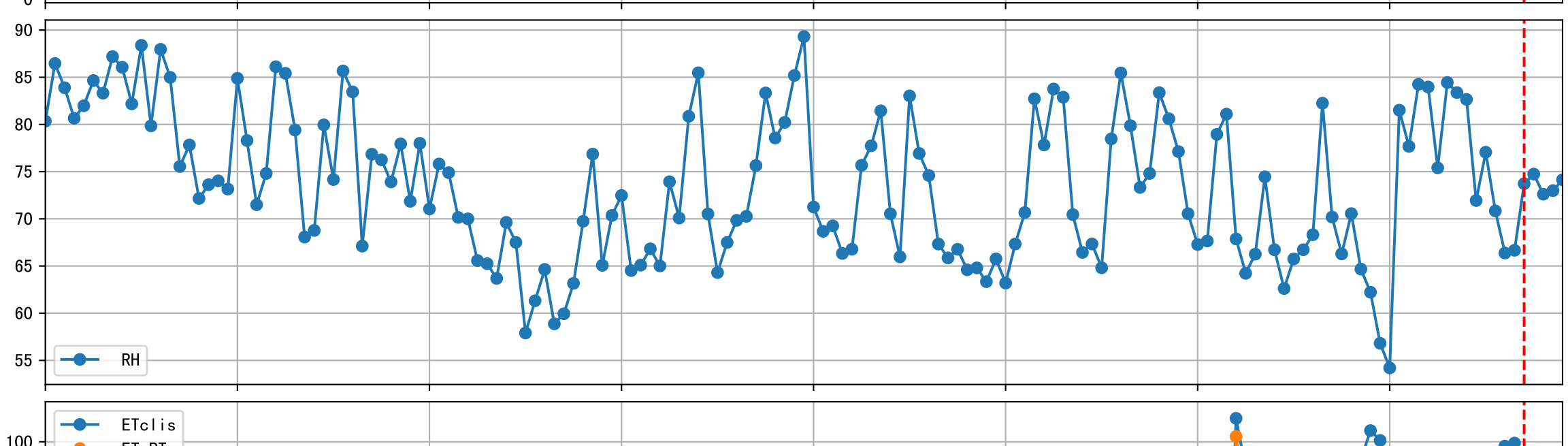
L1A1_1

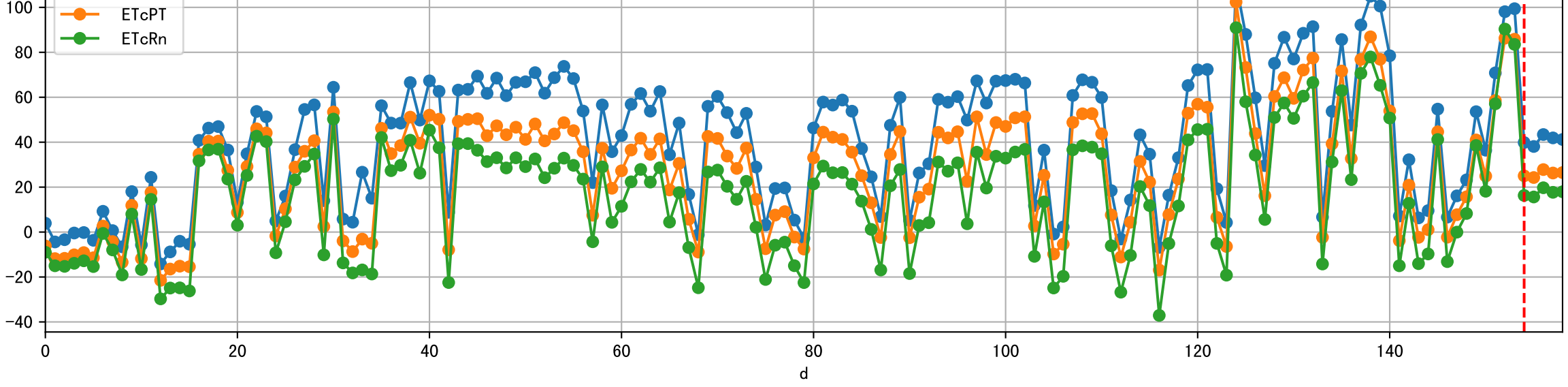


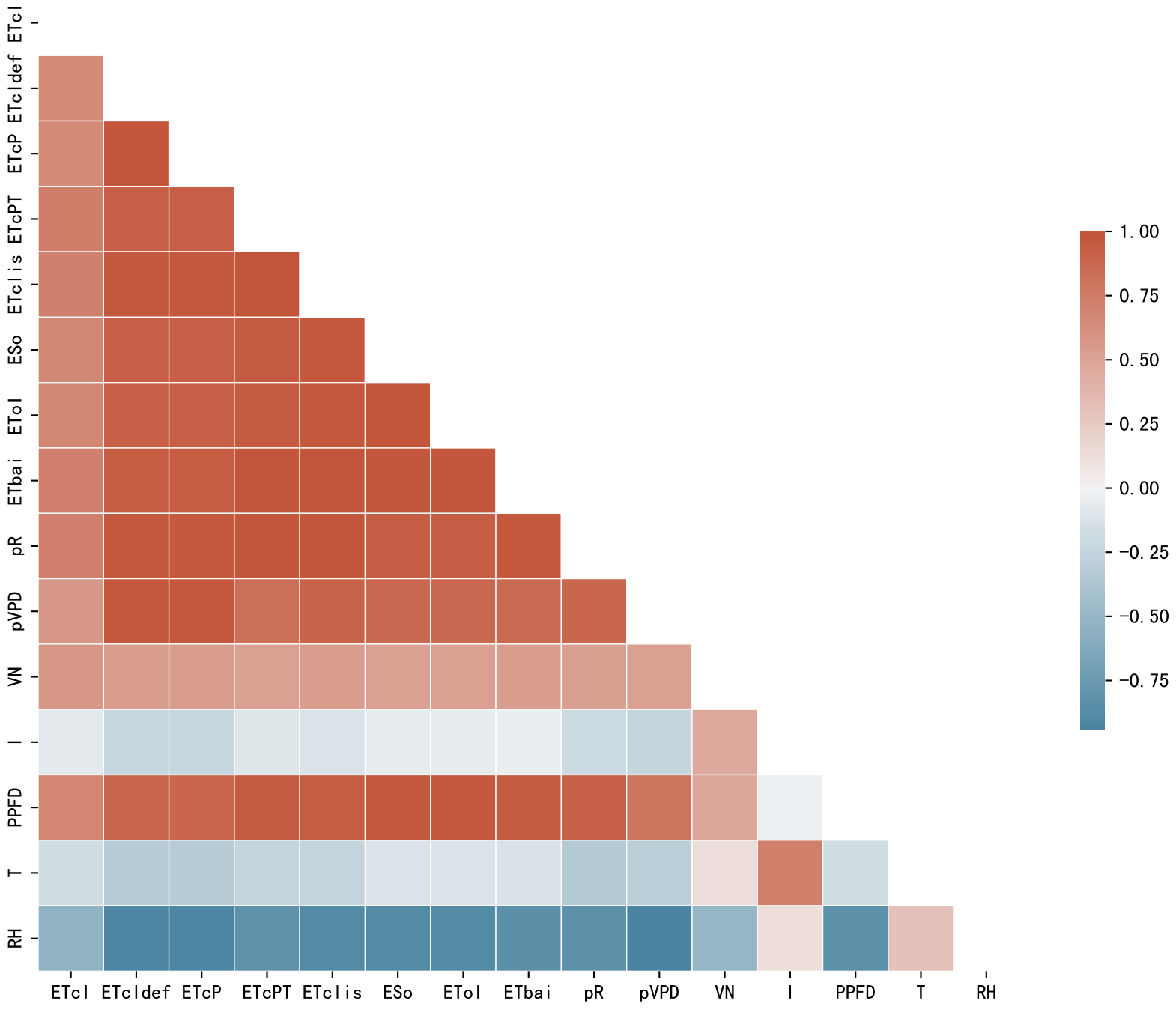


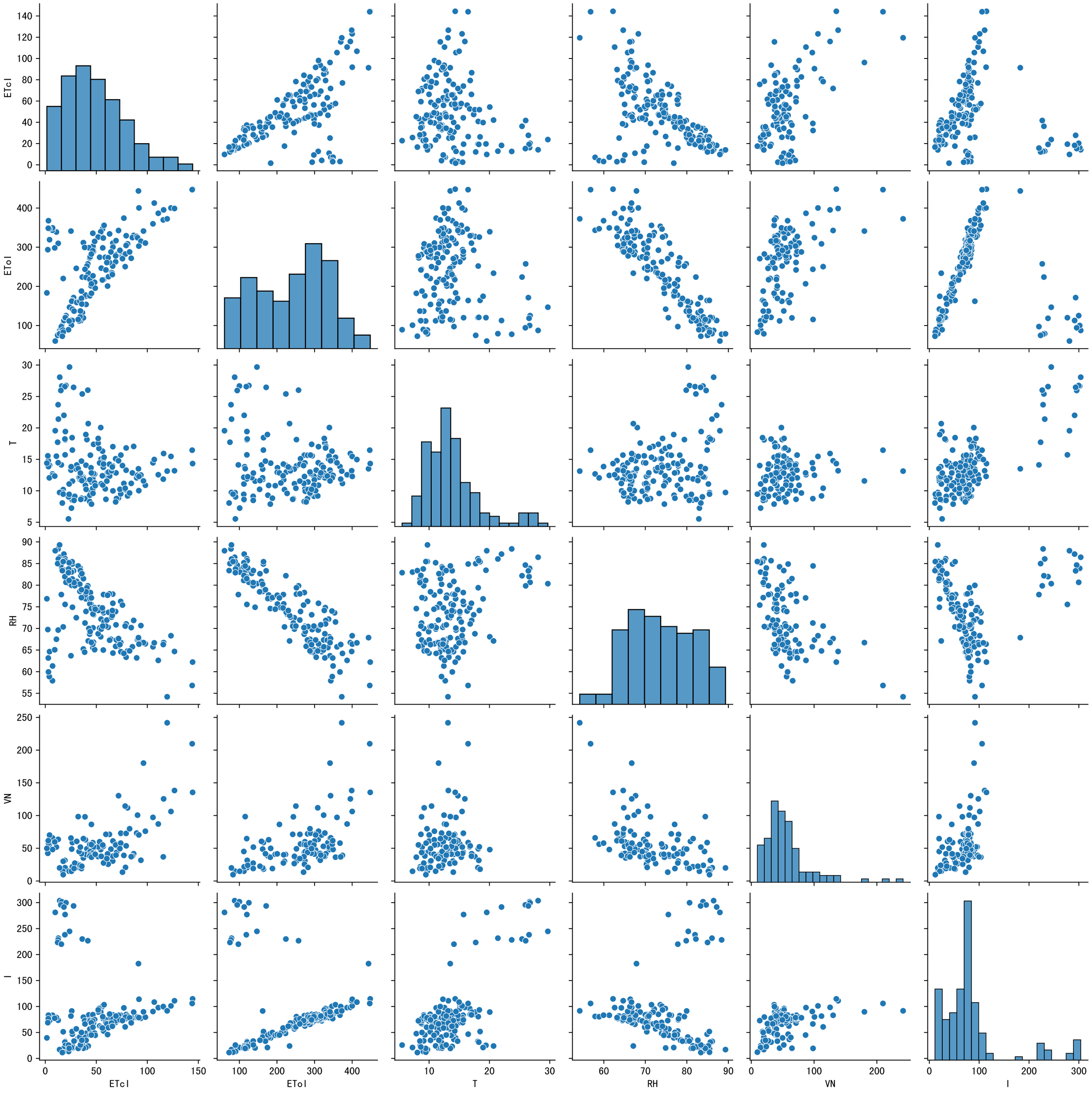


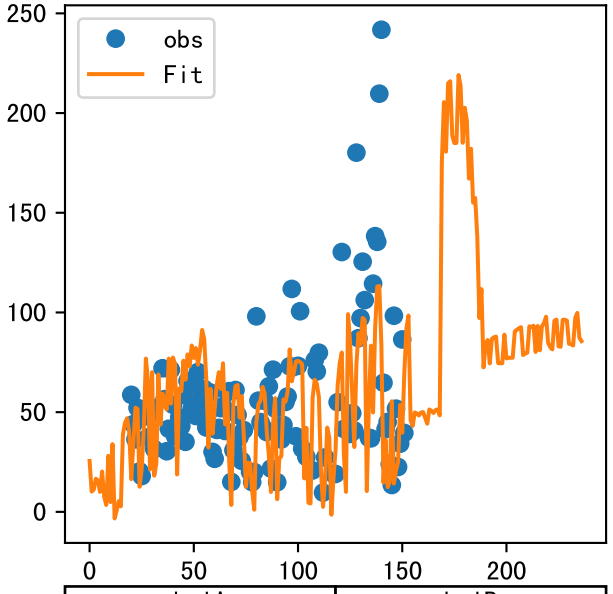


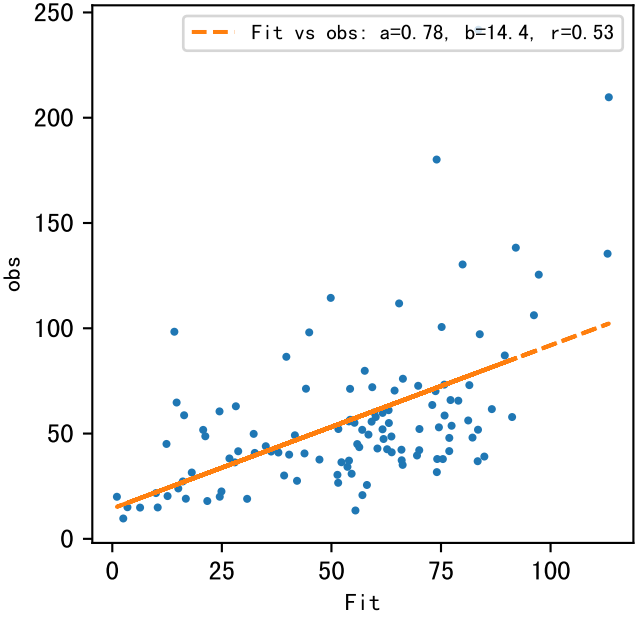




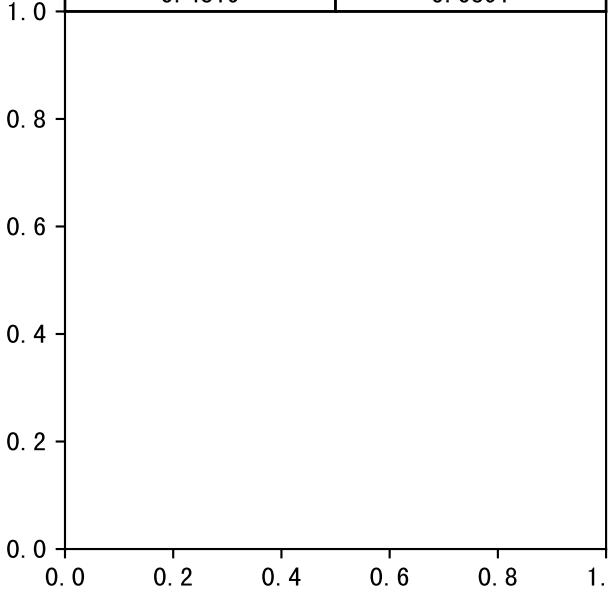

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

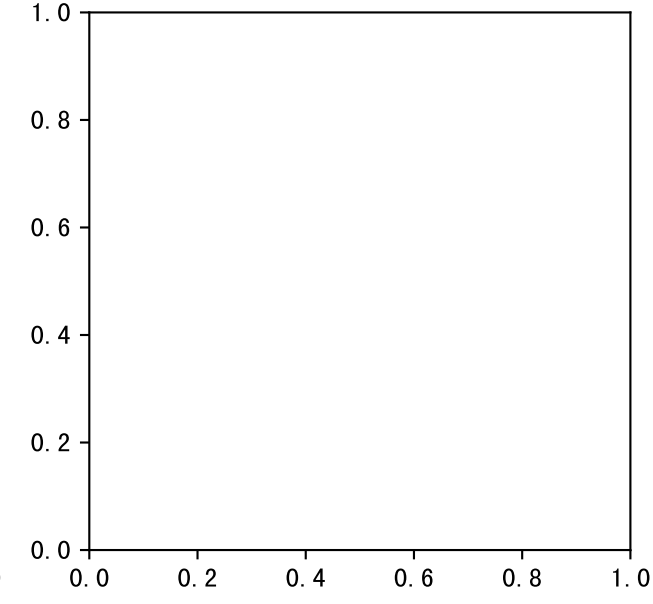

ETcI
ETpI
T
RH
VN
I
ETcI
ETpI
T
RH
VN
I

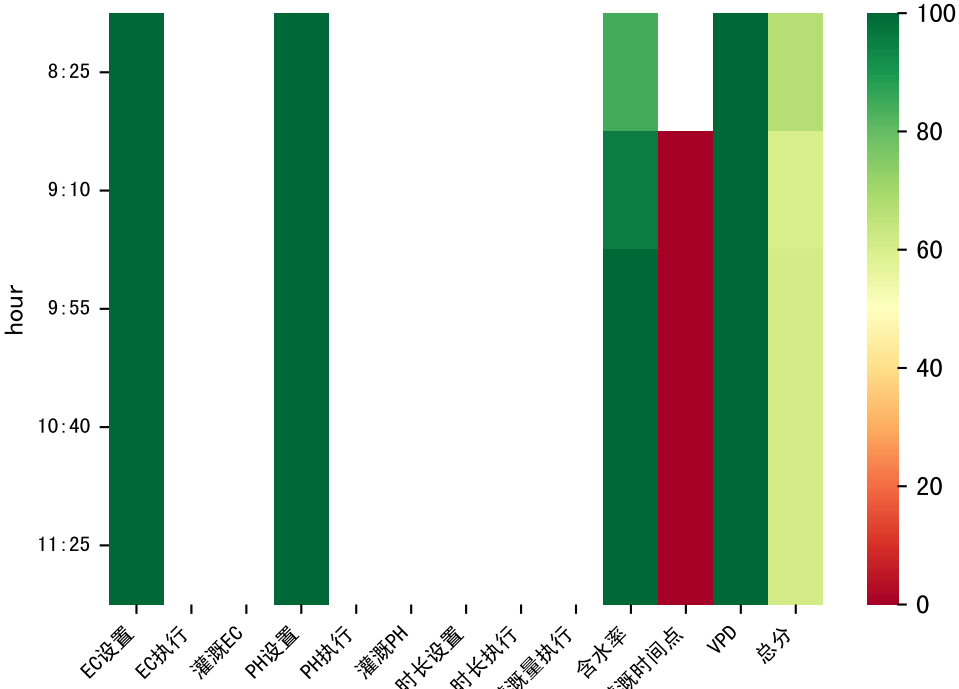




baiA	baiB
0.4319	0.0391

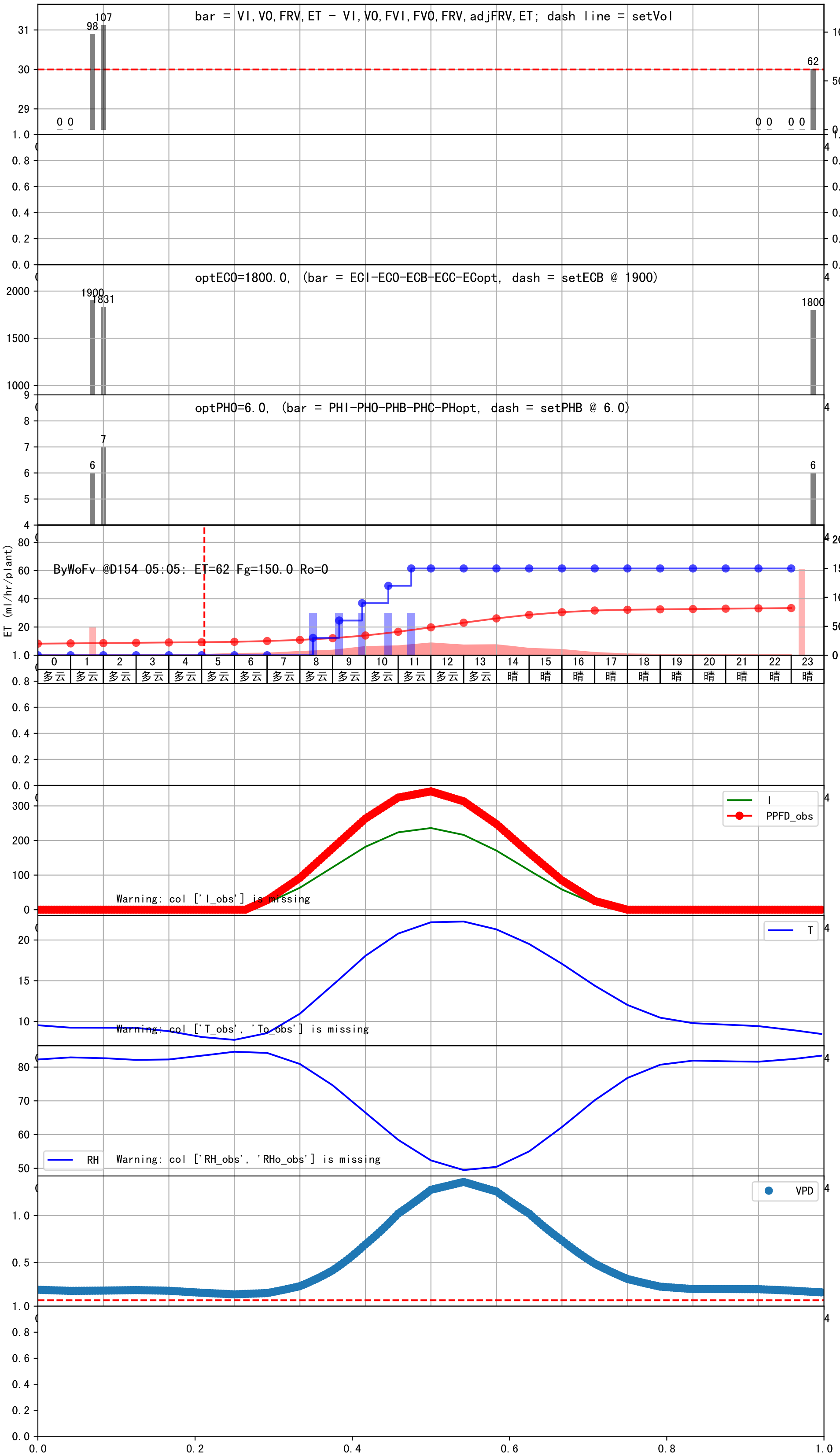


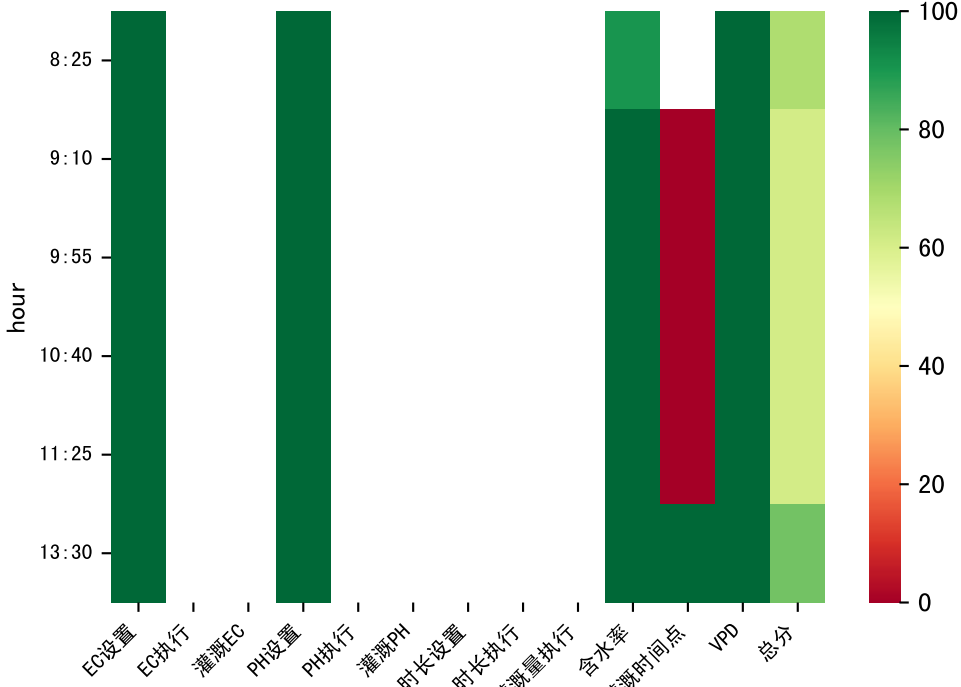



hour
8:25
9:10
9:55
10:40
11:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	55	30.0	0.122	多云	待执行 自主（未用进回液传感器）（预期回液 无）
09:10	55	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
09:55	55	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
10:40	55	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
11:25	55	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	275.0 (5次)	150.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=154 (2026-03-09)

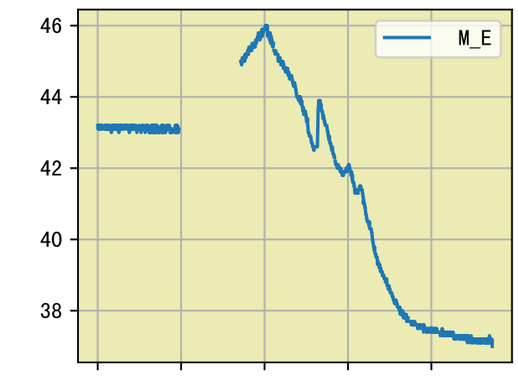


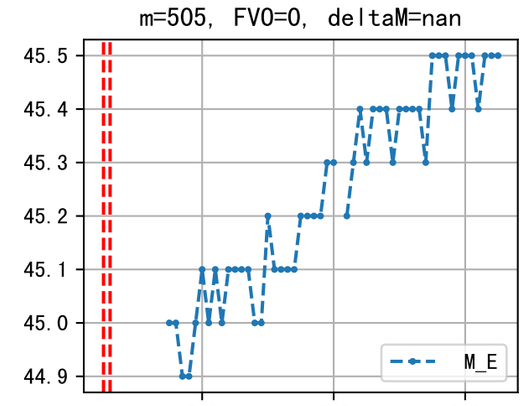

hour
8:25
9:10
9:55
10:40
11:25
13:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

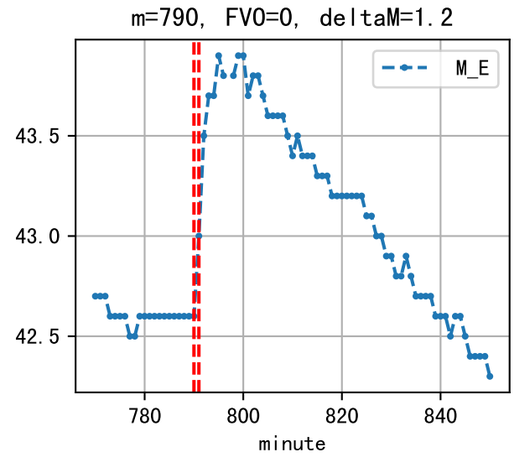
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
09:10	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
09:55	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
10:40	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
11:25	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
13:30	56	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	336.0 (6次)	180.0			建议进液EC：1900， PH：6.0

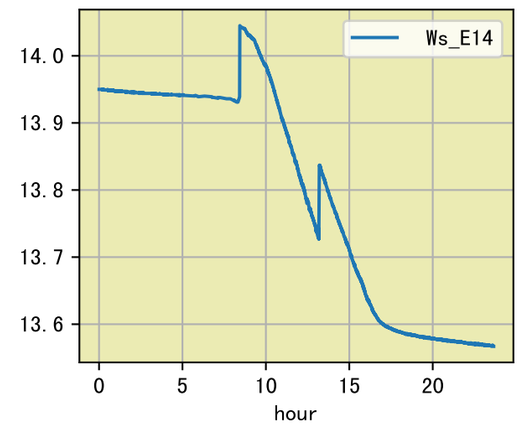
上次灌溉流速比过去5天平均大 (0.89 vs 0.57)，可能管道压力异常或有管道漏水
施肥机灌溉量与预期值不符 (49.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

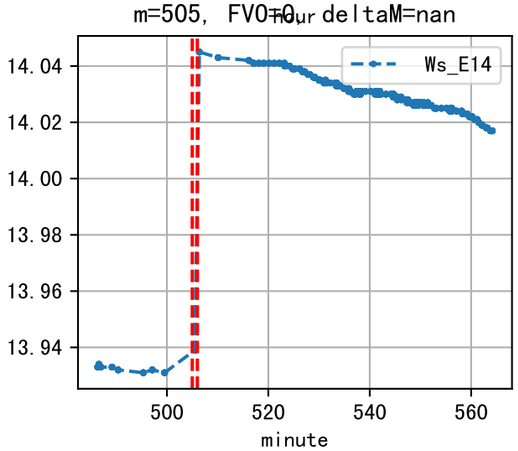
L1A1_1, Day=153.0 (2026-03-08)

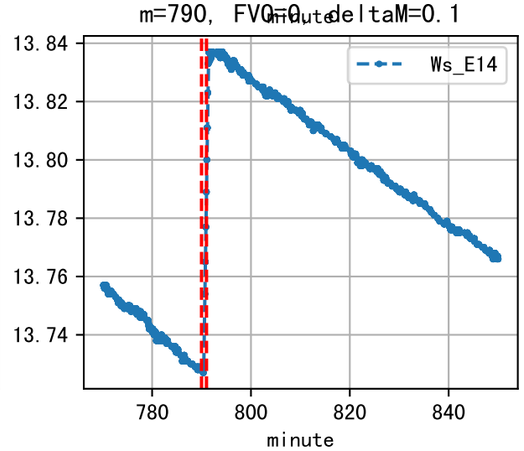

M_E
46
44
42
40
38
0
5
10
15
20

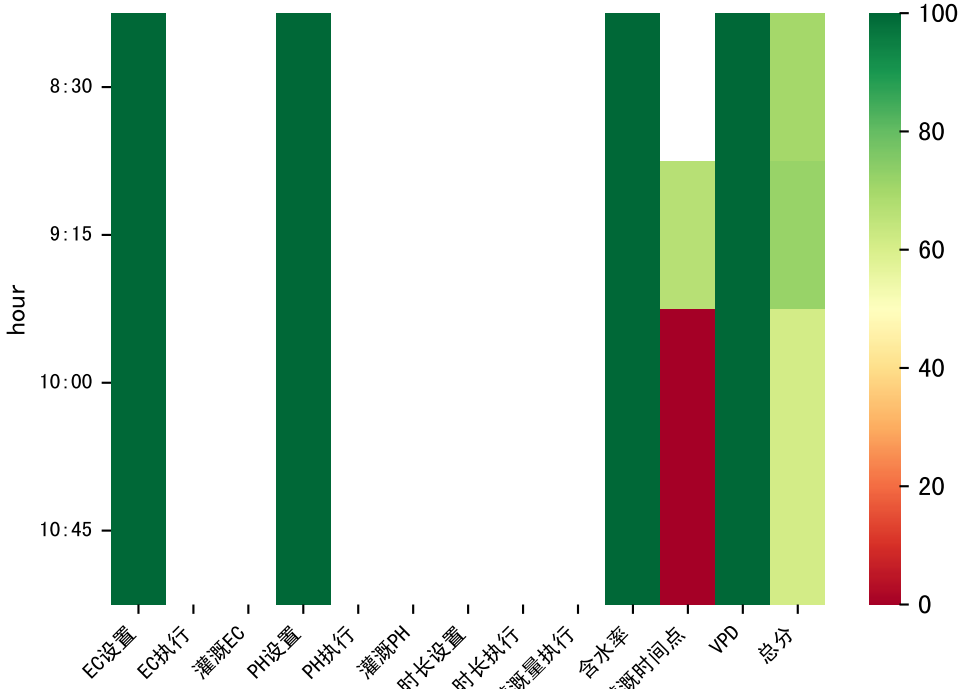

m=505, FV0=0, deltaM=nan
M_E
45.5
45.4
45.3
45.2
45.1
45.0
44.9
520
540
560


m=790, FV0=0, deltaM=1.2
M_E
43.5
43.0
42.5
780
800
820
840
minute


Ws_E14
14.0
13.9
13.8
13.7
13.6
0
5
10
15
20
hour


m=505, FV0=0, deltaM=nan
Ws_E14
14.04
14.02
14.00
13.98
13.96
13.94
500
520
540
560
minute

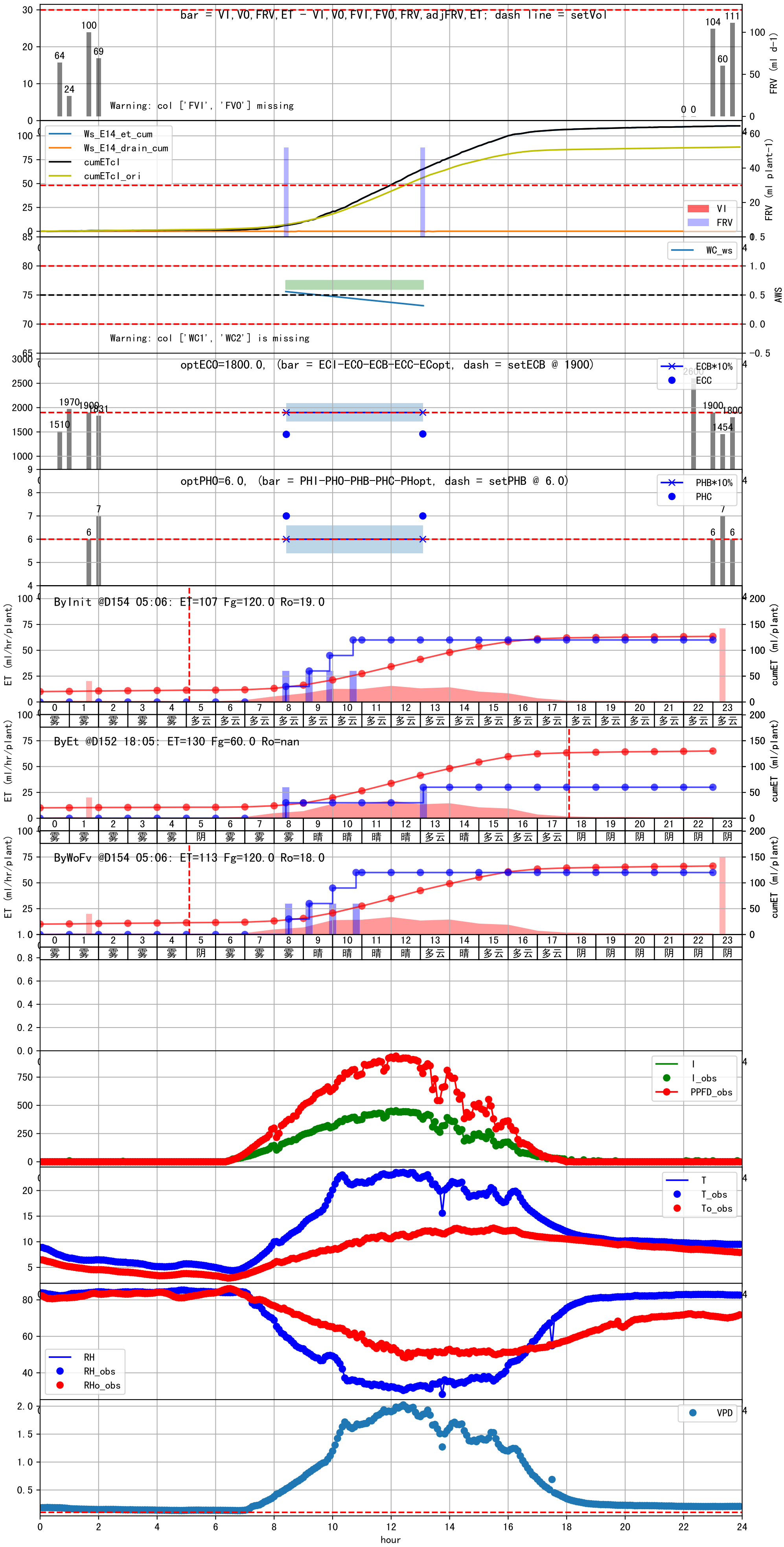

m=790, FV0=0, deltaM=0.1
Ws_E14
13.84
13.82
13.80
13.78
13.76
13.74
780
800
820
840
minute

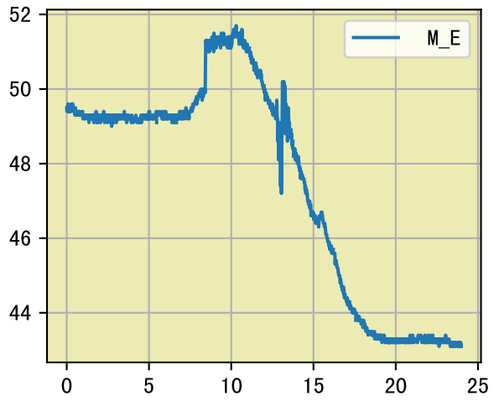

hour
8:30
9:15
10:00
10:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

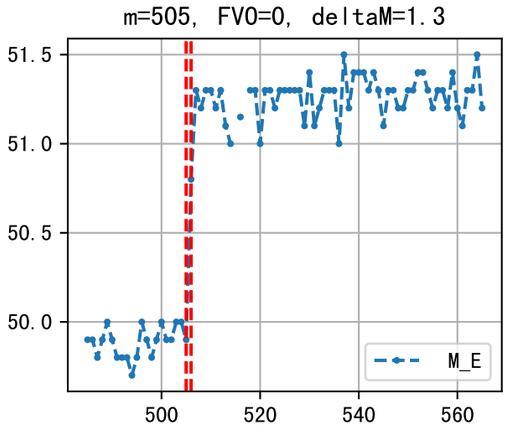
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
:30	57	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
:15	57	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
:00	57	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 无）
:45	57	30.0	0.122	晴	假设 未知程序（未用进回液传感器）（预期回液 18 ml/株）
总计	228.0 (4次)	120.0			建议进液EC：1900， PH：6.0

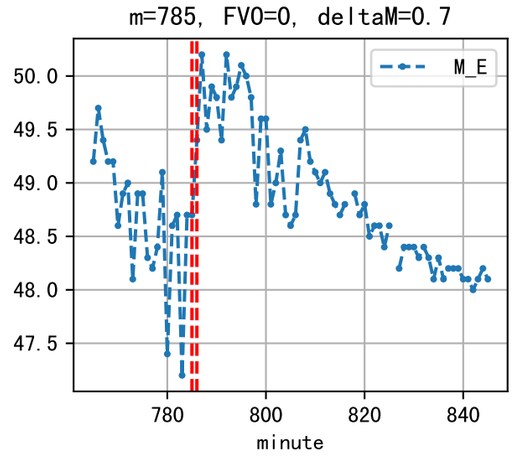
上次灌溉流速比过去5天平均大 (0.92 vs 0.58)，可能管道压力异常或有管道漏水
施肥机灌溉量与预期值不符 (52.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

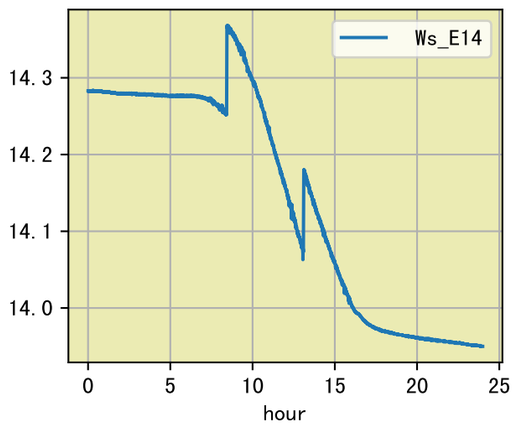
L1A1_1, Day=152.0 (2026-03-07)

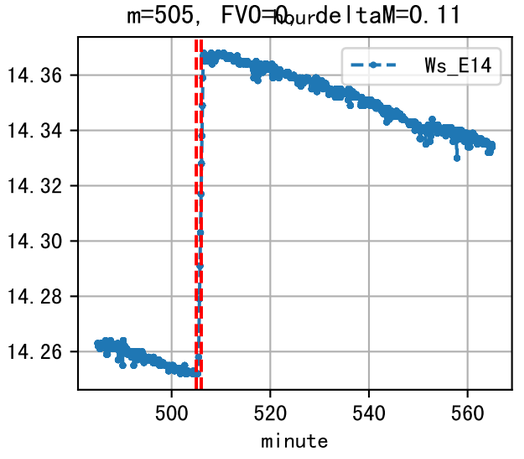


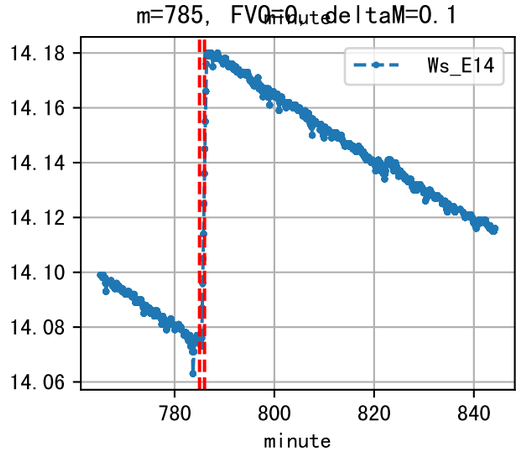

M_E

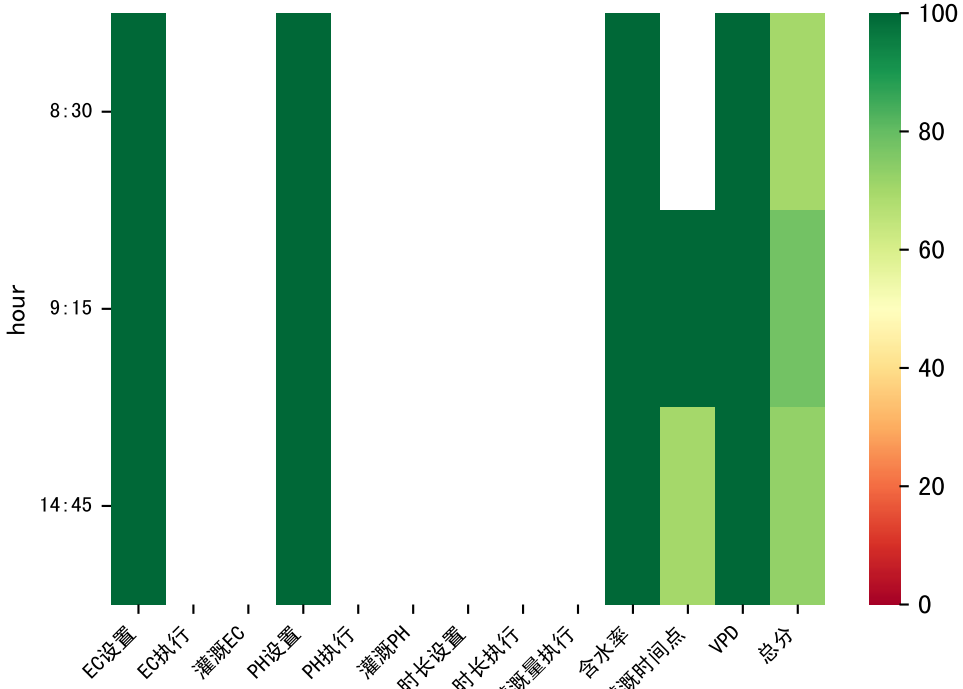

m=505, FV0=0, deltaM=1.3
M_E


m=785, FV0=0, deltaM=0.7
M_E
minute


Ws_E14
hour

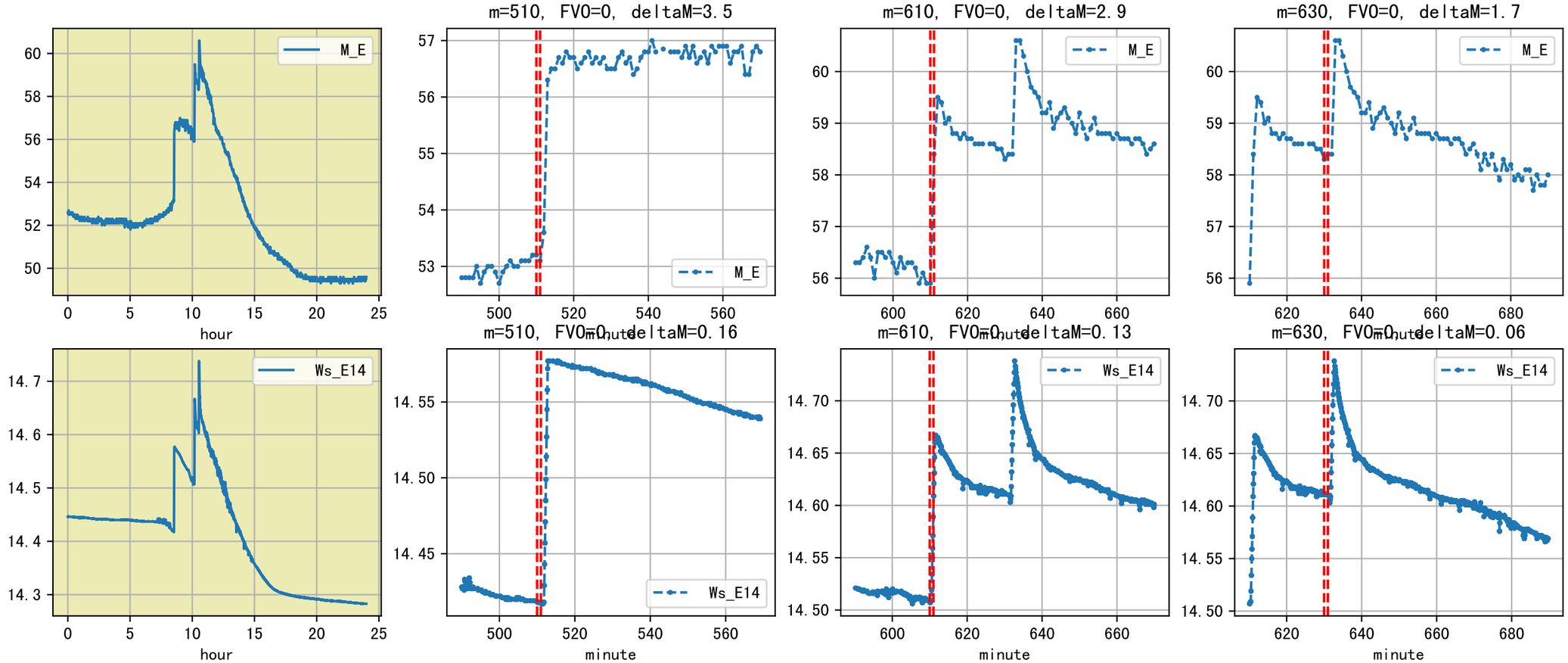

m=505, FV0=0, deltaM=0.11
Ws_E14
minute

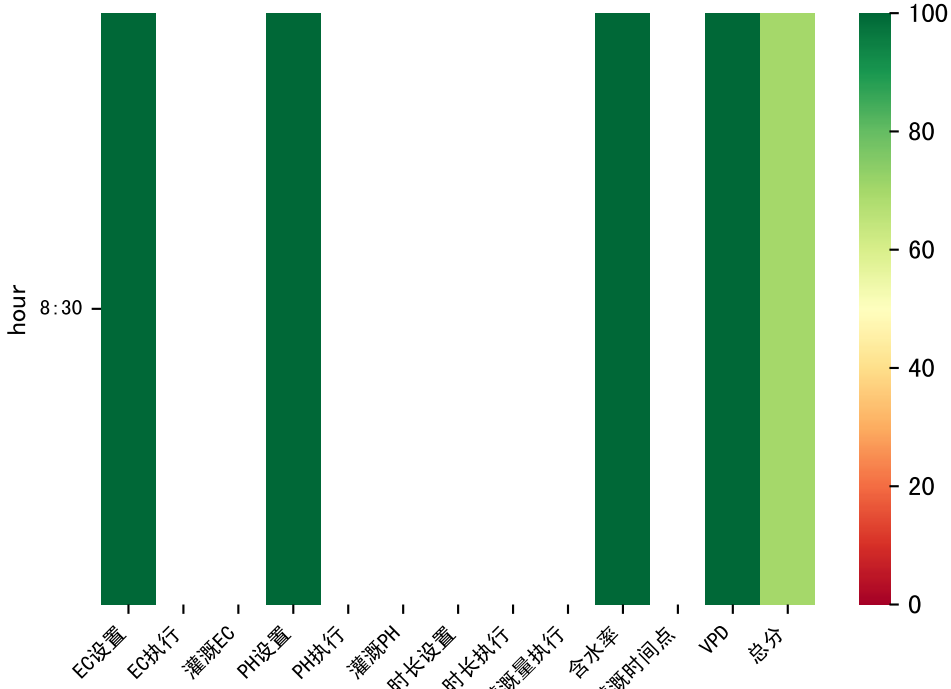

m=785, FV0=0, deltaM=0.1
Ws_E14
minute


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

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
8:30	58	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
9:15	58	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 9 ml/株）
4:45	58	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	174.0 (3次)	90.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=151.0 (2026-03-06)

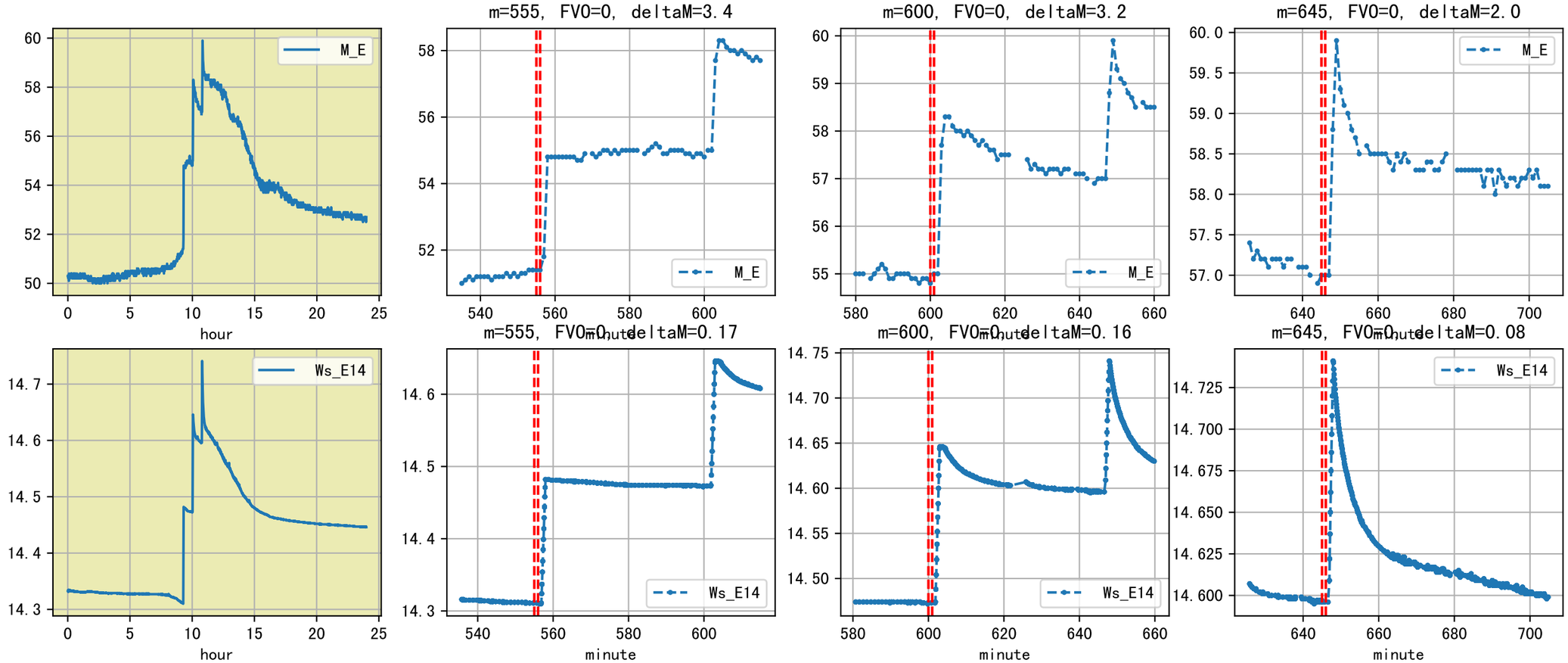

m=510, FV0=0, deltaM=3.5
m=610, FV0=0, deltaM=2.9
m=630, FV0=0, deltaM=1.7
M_E
hour
m=510, FV0=0, deltaM=0.16
m=610, FV0=0, deltaM=0.13
m=630, FV0=0, deltaM=0.06
Ws_E14
minute


hour
8:30
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
08:30	64	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	64.0 (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 : 29.0)，可能水表需要校准
默认实际灌溉29.0 ml.

L1A1_1, Day=150.0 (2026-03-05)


m=555, FV0=0, deltaM=3.4
m=600, FV0=0, deltaM=3.2
m=645, FV0=0, deltaM=2.0
M_E
Ws_E14
hour
minute