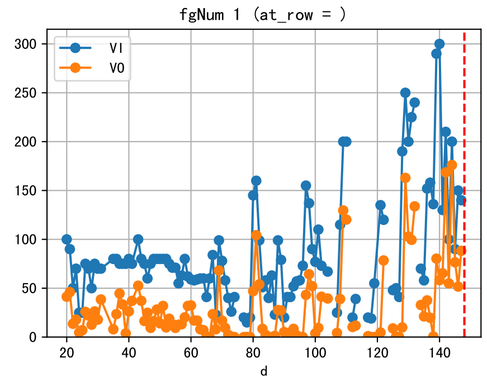
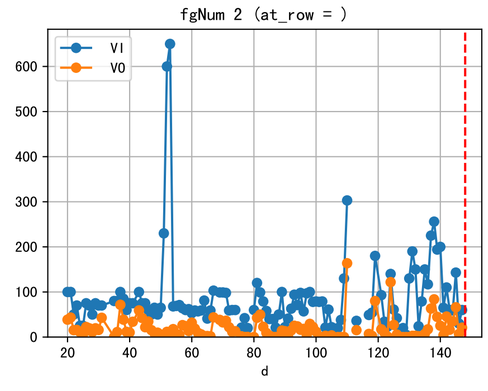
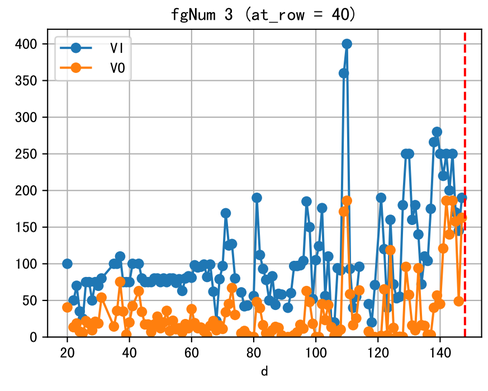
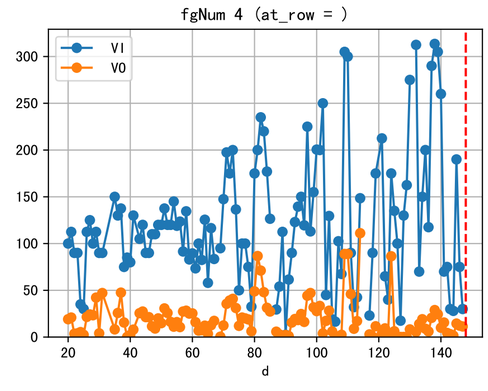
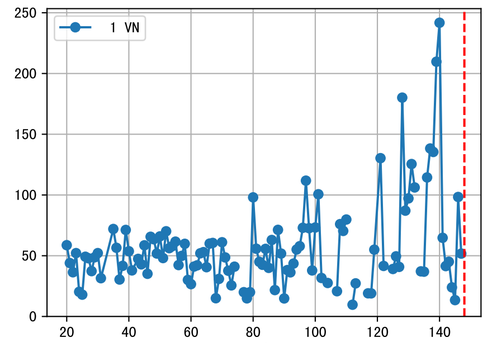
FgArea: ['3']
NJ15 L1
2026-03-03 (Day 148)

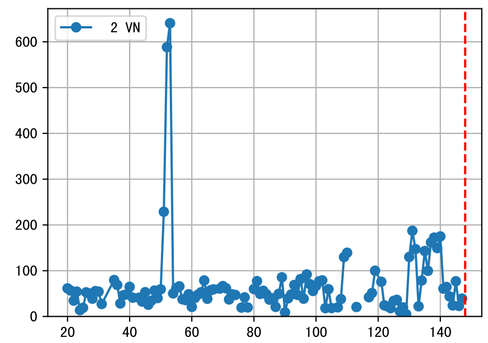

fgNum 1 (at_row =)
VI
VO
d

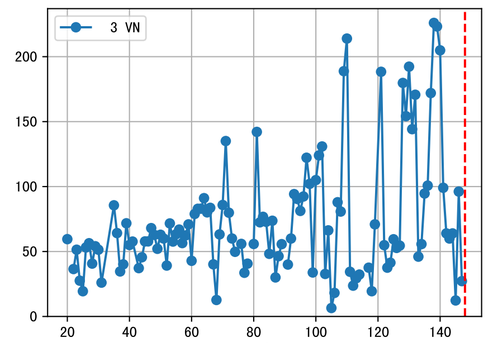

fgNum 2 (at_row =)
VI
VO
d

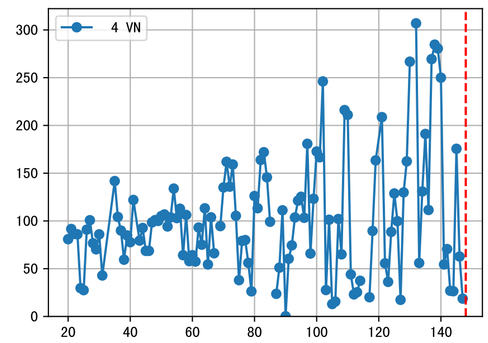

fgNum 3 (at_row = 40)
VI
VO
d

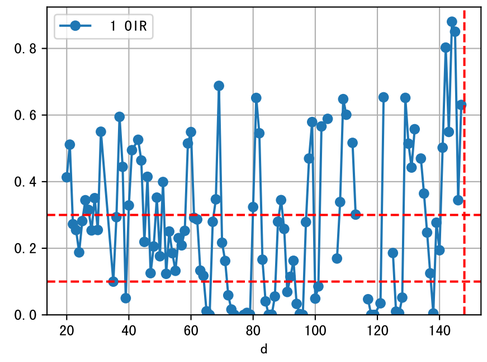

fgNum 4 (at_row =)
VI
VO
d

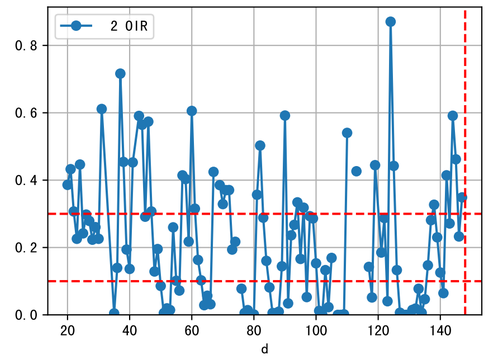

1 VN
d

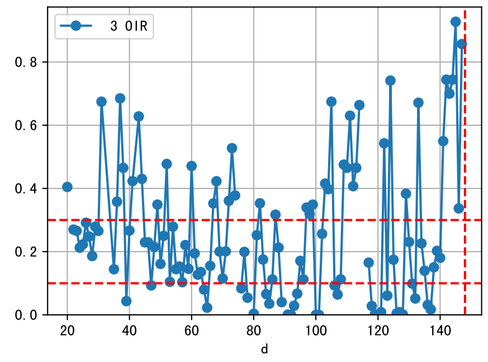

2 VN
d

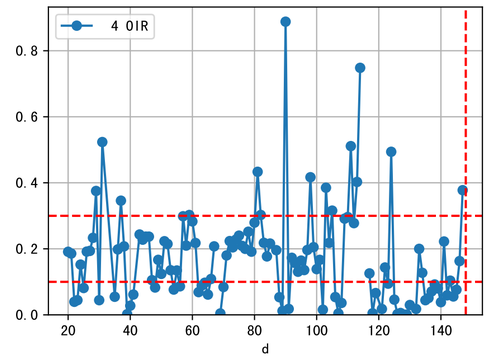

3 VN
d

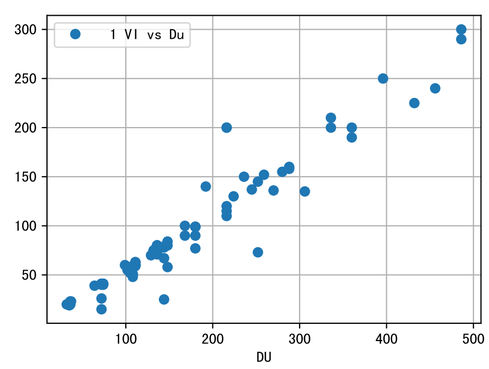

4 VN
d

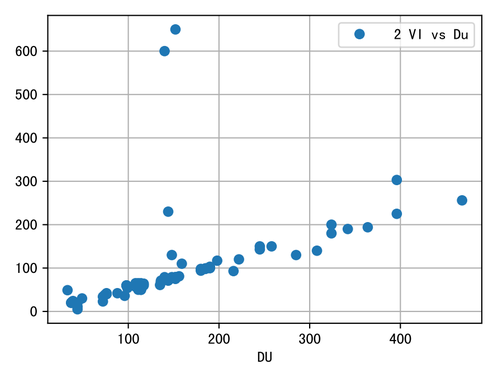

1 OIR
d

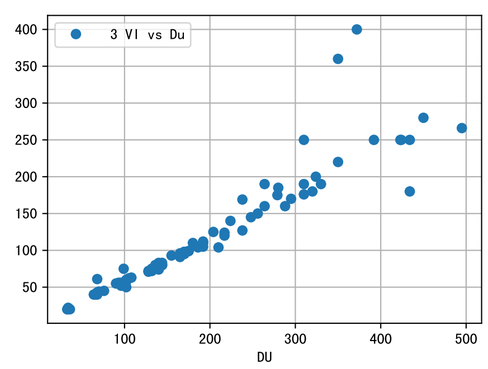

2 OIR
d

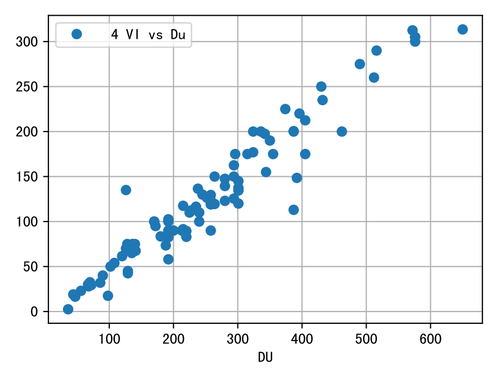

3 OIR
d

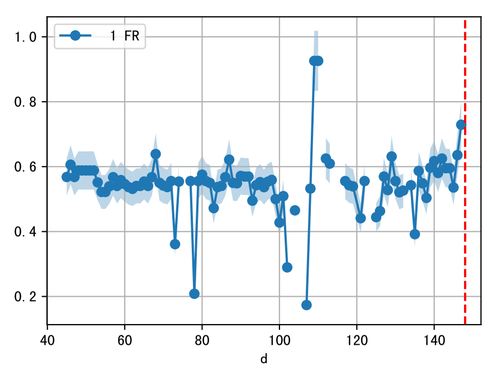

4 OIR
d

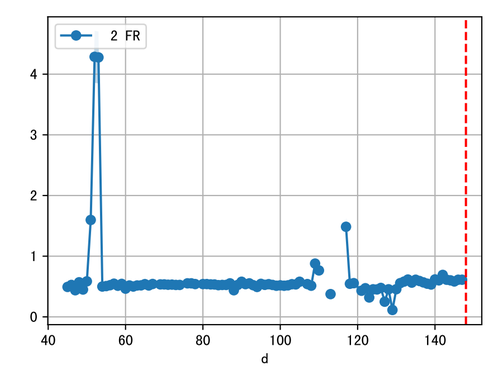

1 VI vs Du
DU

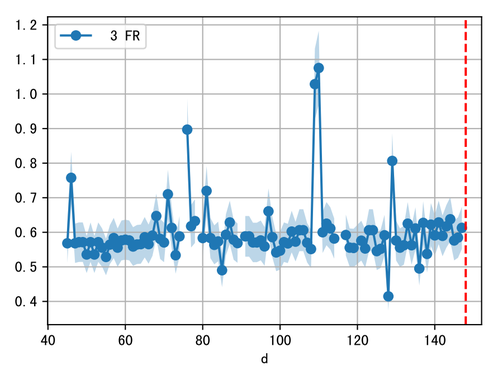

2 VI vs Du
DU

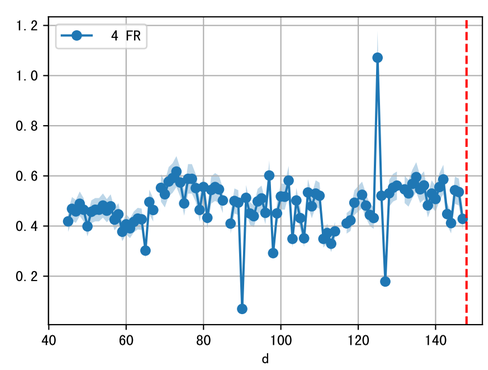

3 VI vs Du
DU

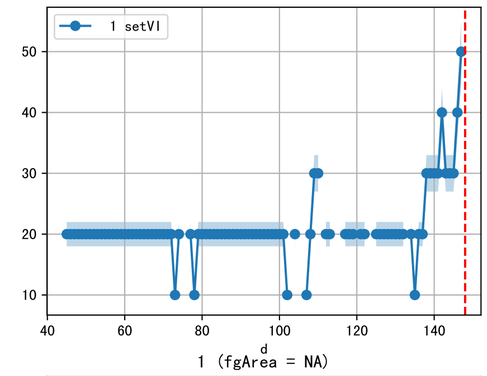

4 VI vs Du
DU

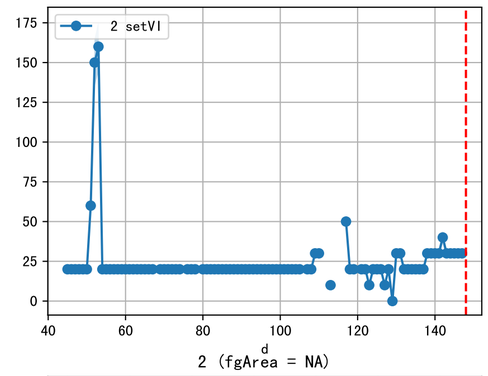

1 FR
d

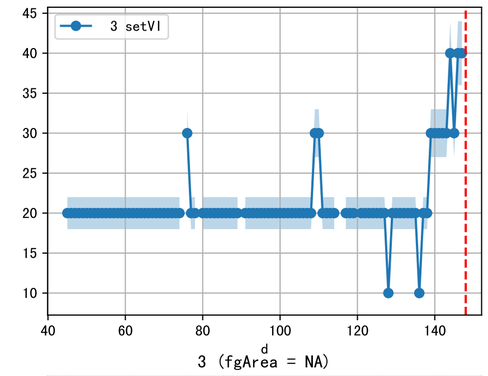

2 FR
d

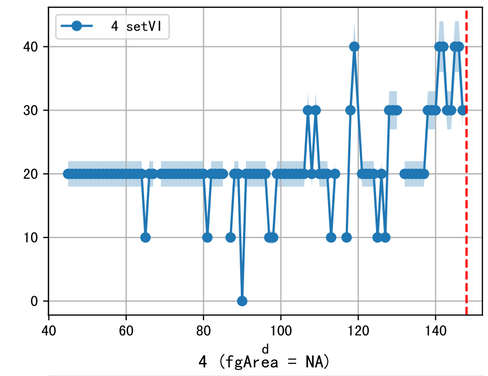

3 FR
d

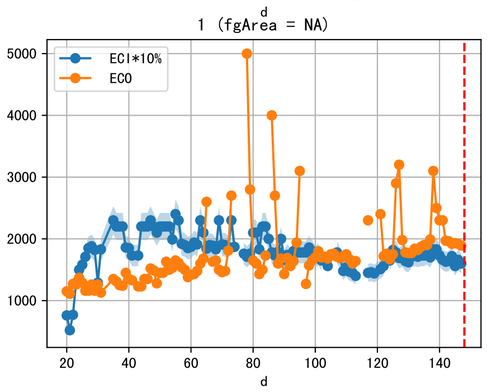

4 FR
d

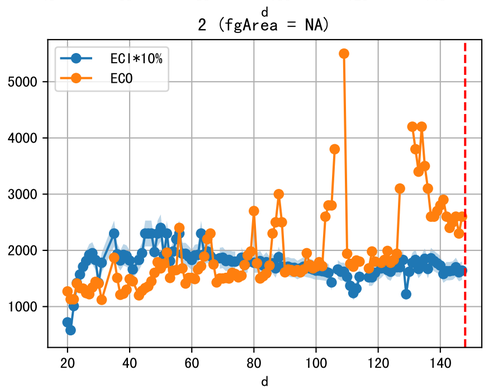

1 setVI
d

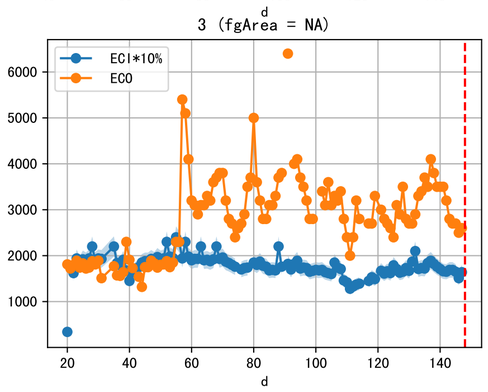

2 setVI
d

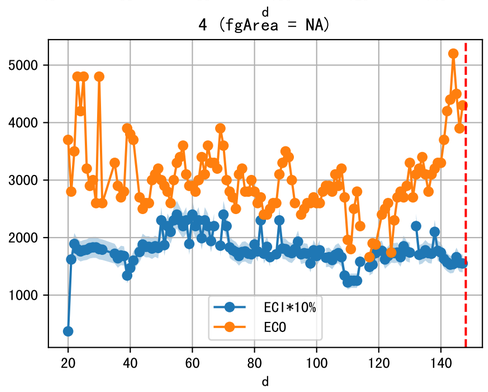

3 setVI
d

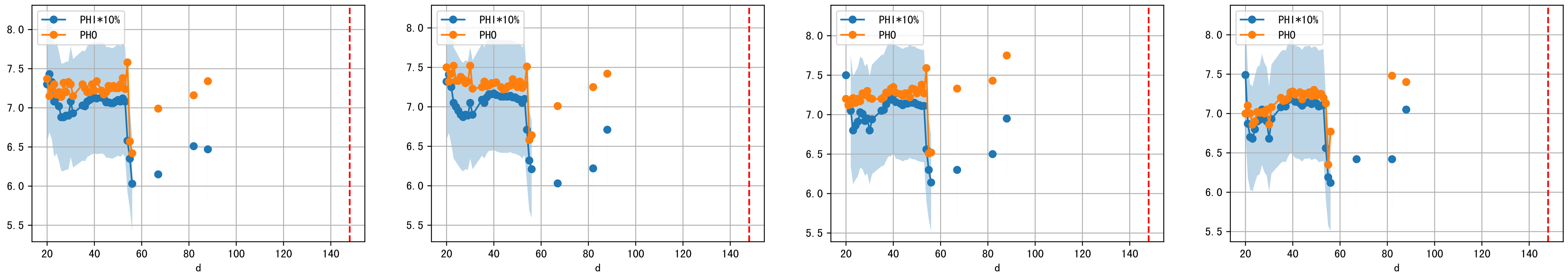

4 setVI
d

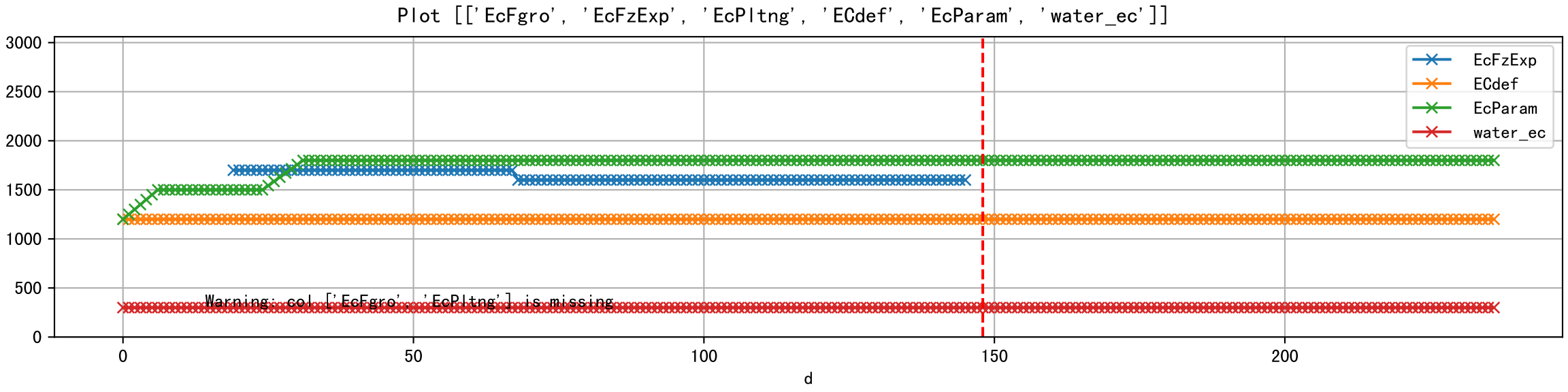

1 (fgArea = NA)
ECI*10%
ECO
d

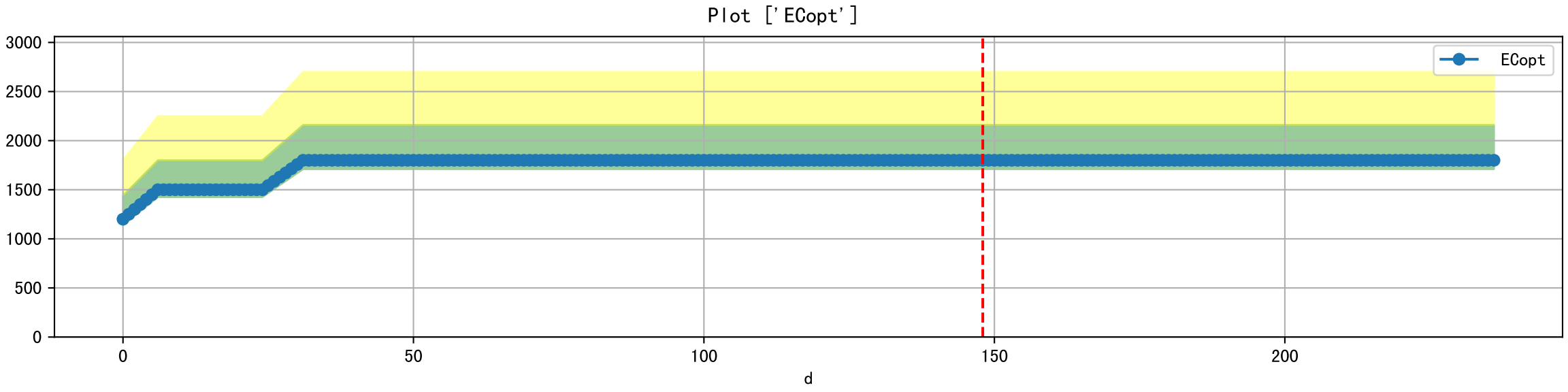

2 (fgArea = NA)
ECI*10%
ECO
d

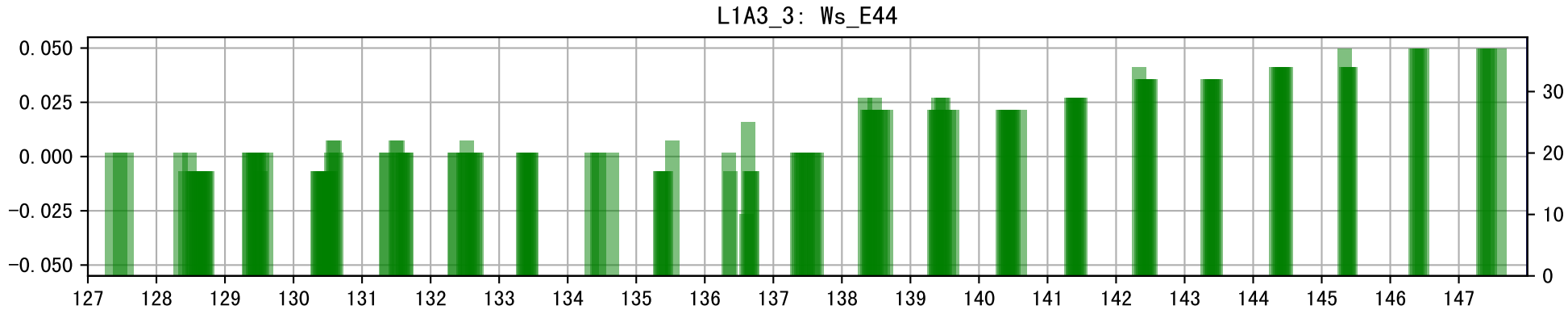

3 (fgArea = NA)
ECI*10%
ECO
d


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

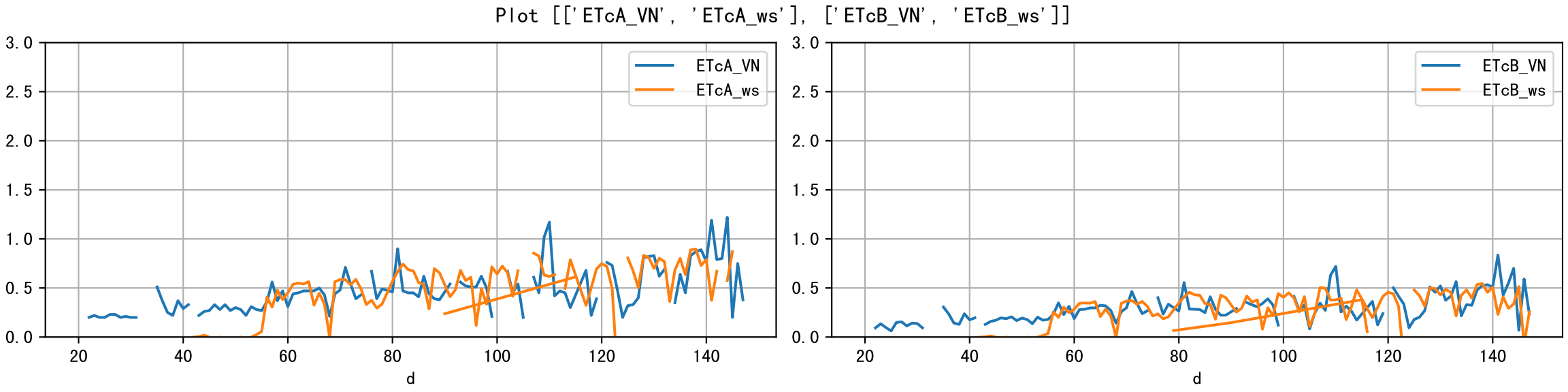

PHI*10%
PHO
d

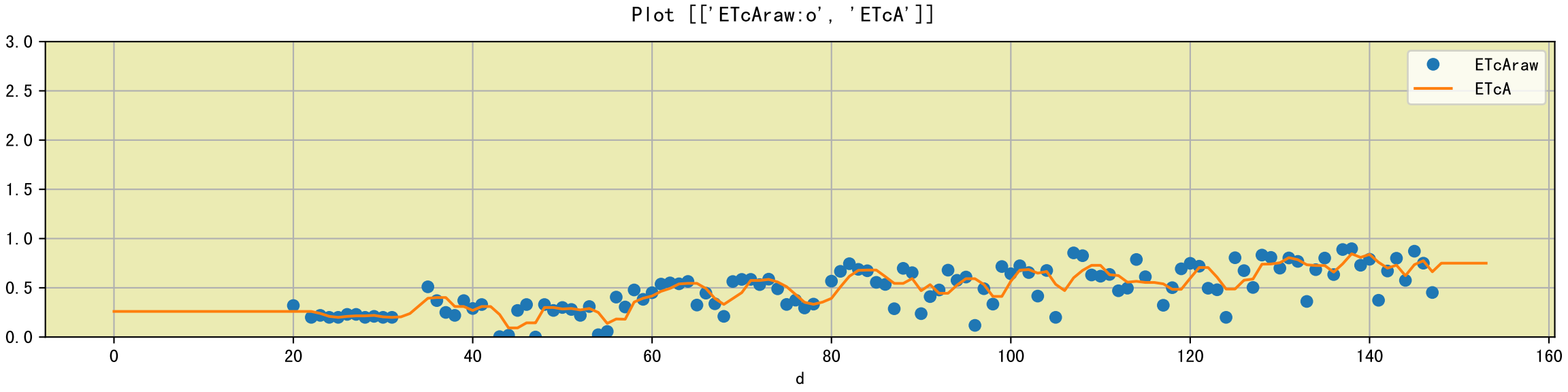

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

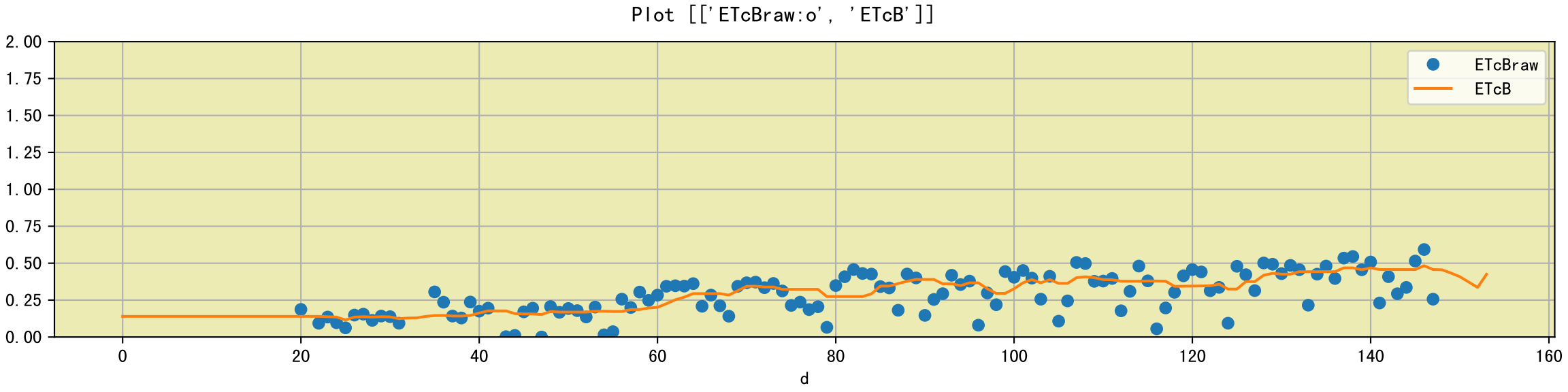

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
30
20
10
0
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147

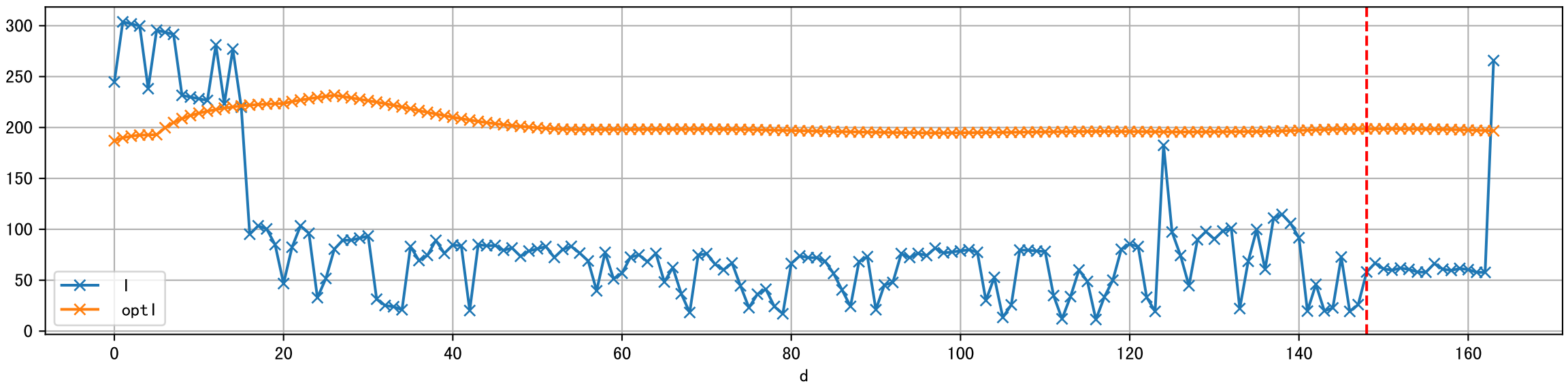
Plot Sensor and FgRec Data

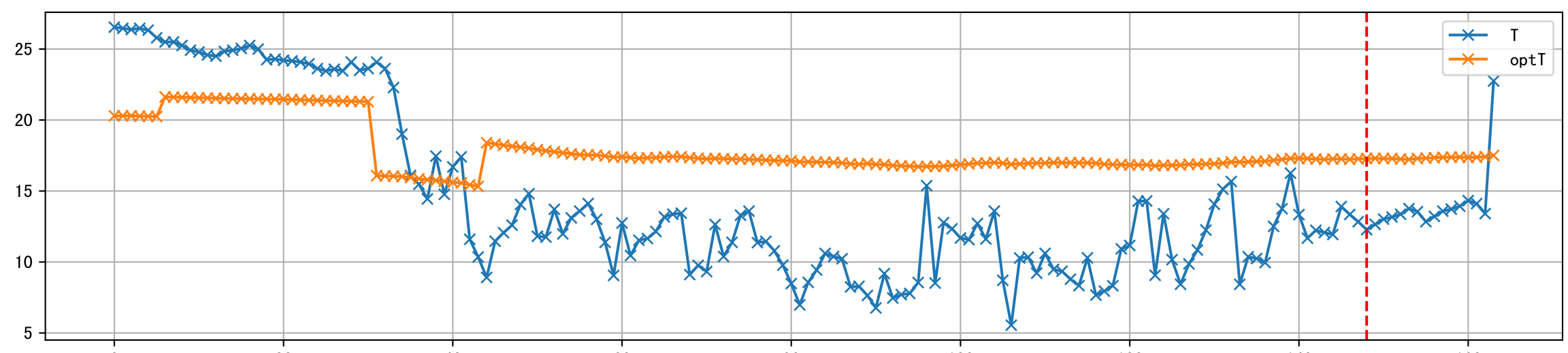

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
d

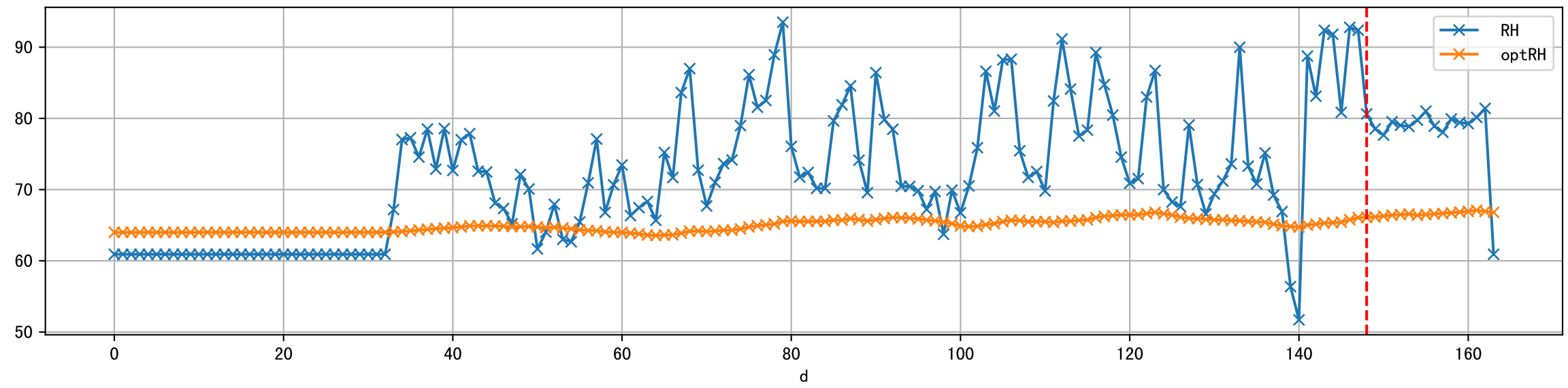

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
160
d

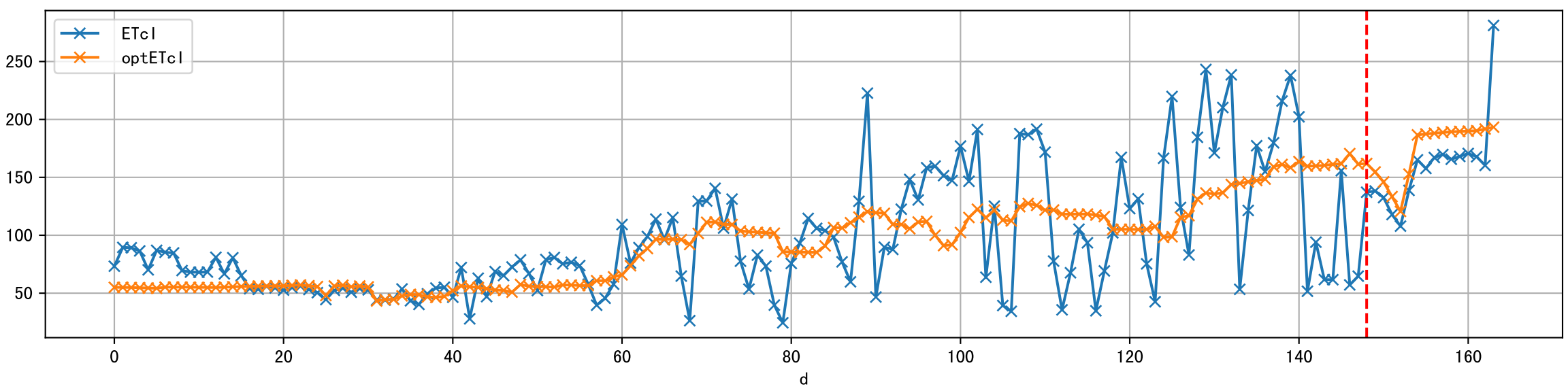

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
160
d

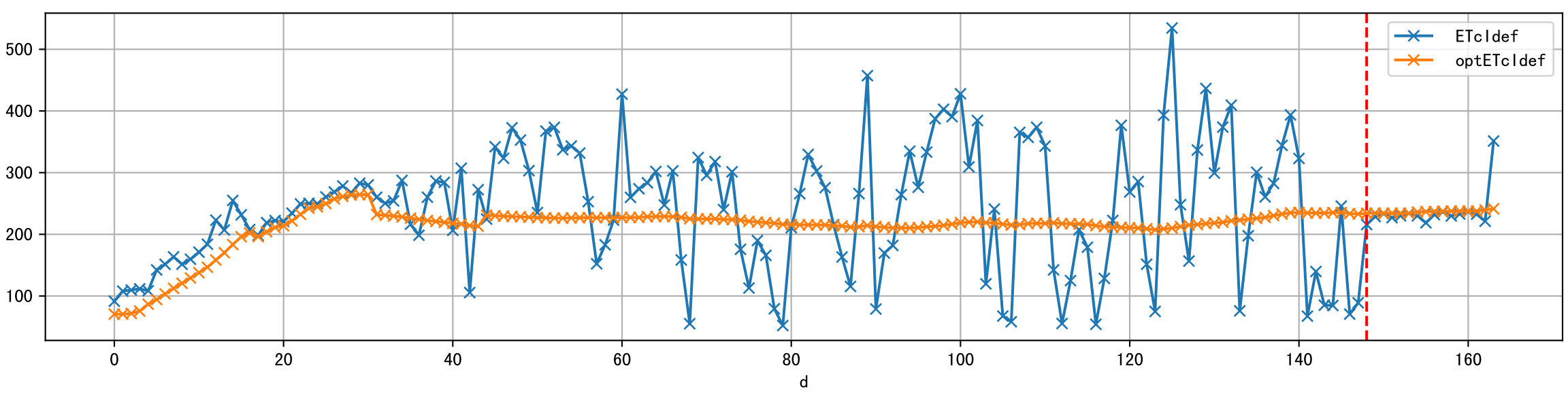
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['EToI', 'optEToI'], 'LAI', ['optEtRate', 'optEtRateDef', '

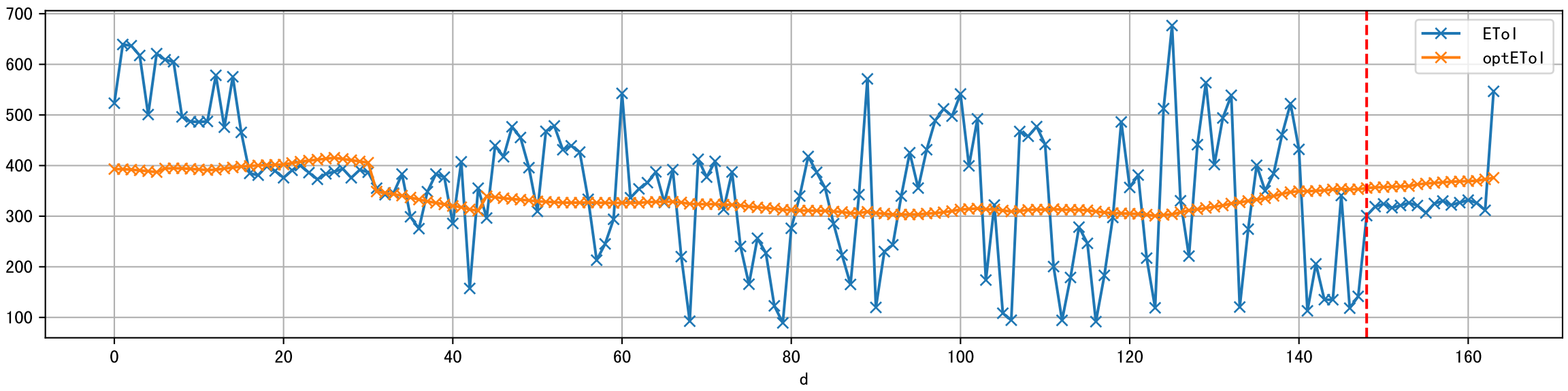


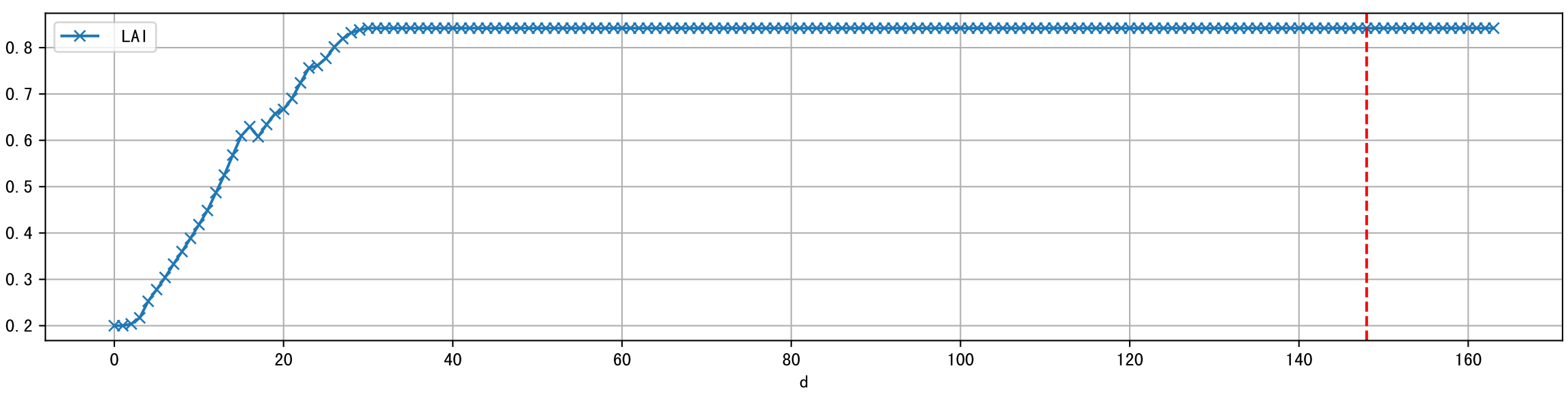


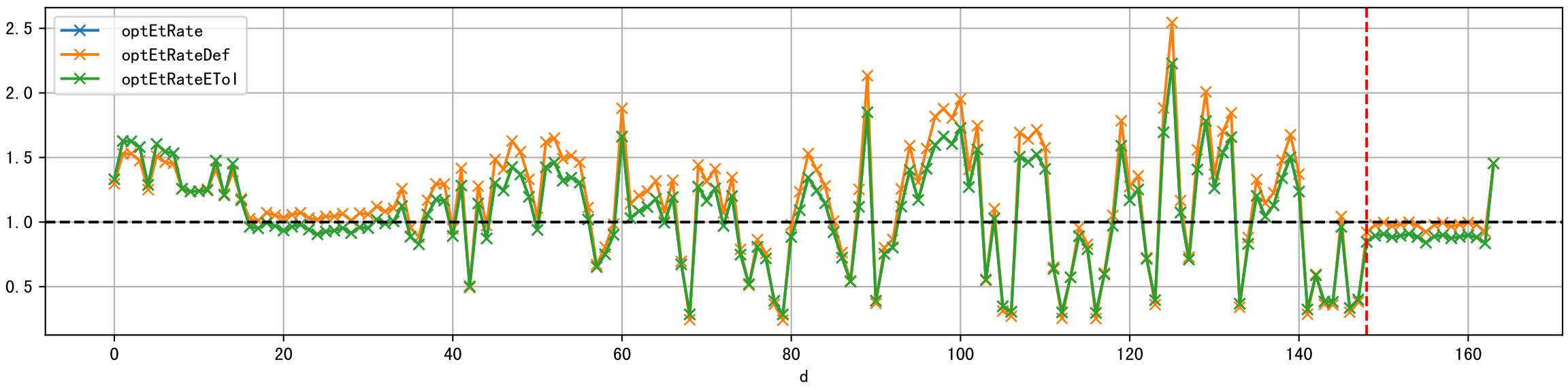


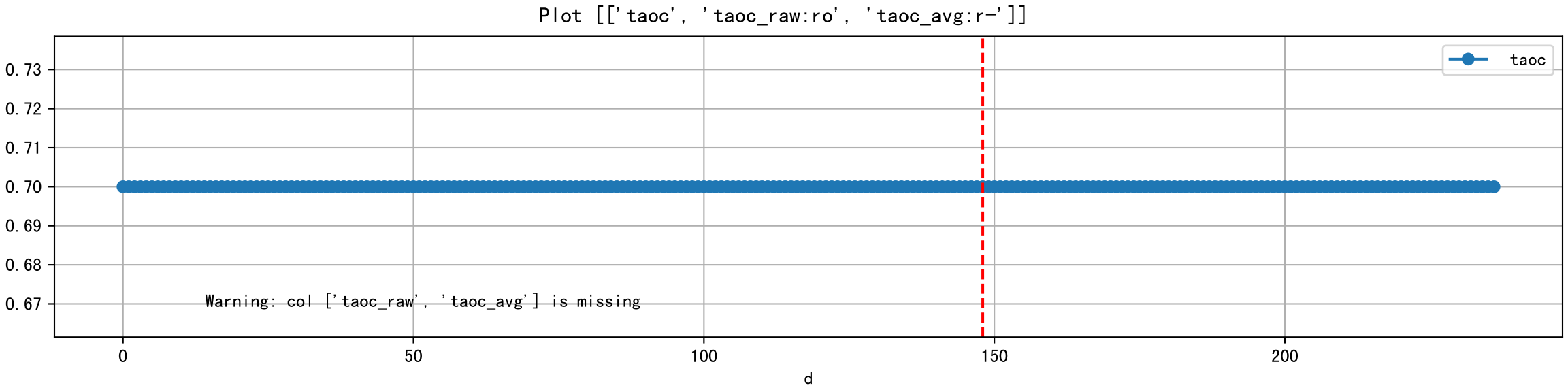


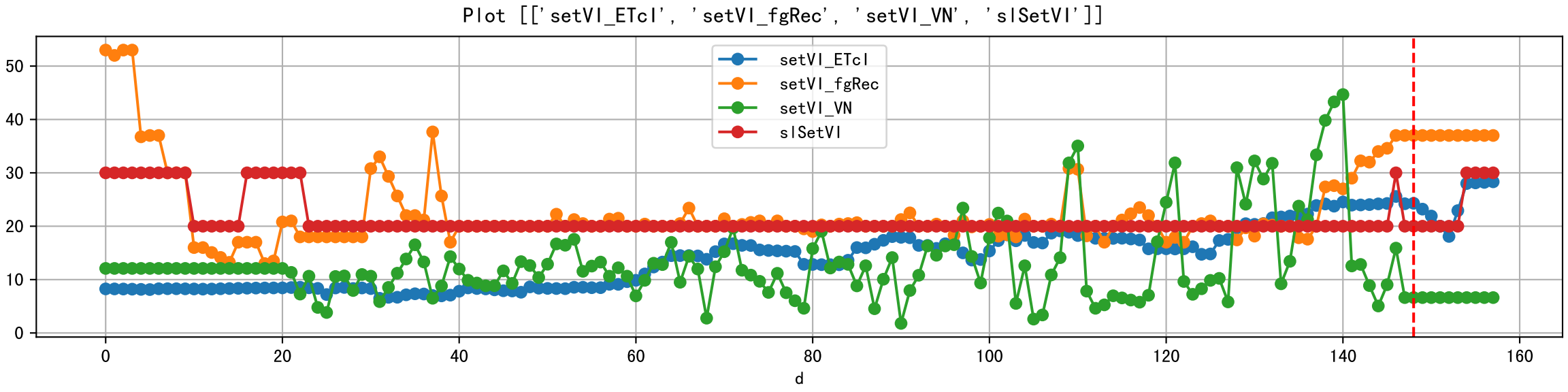


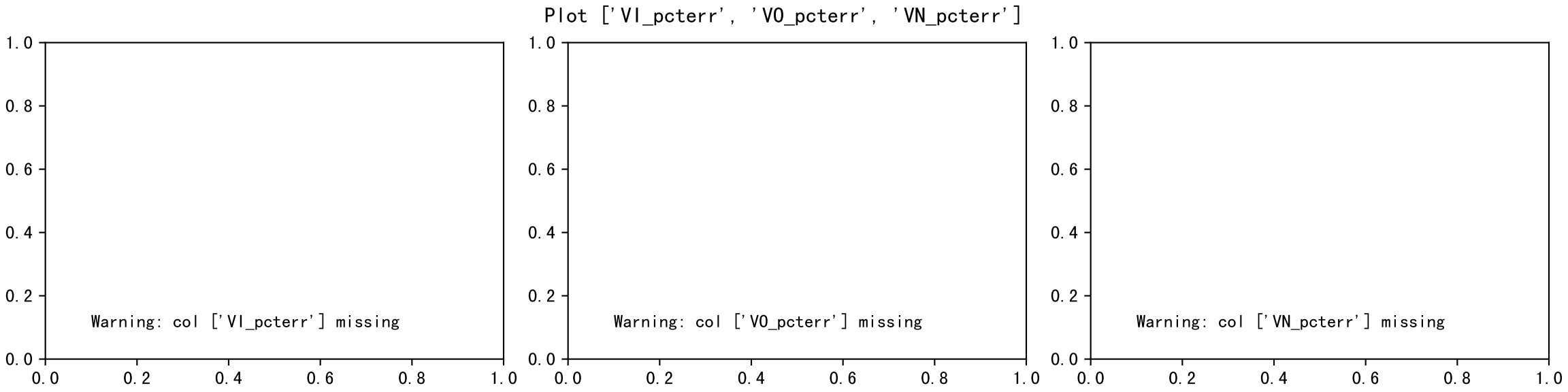


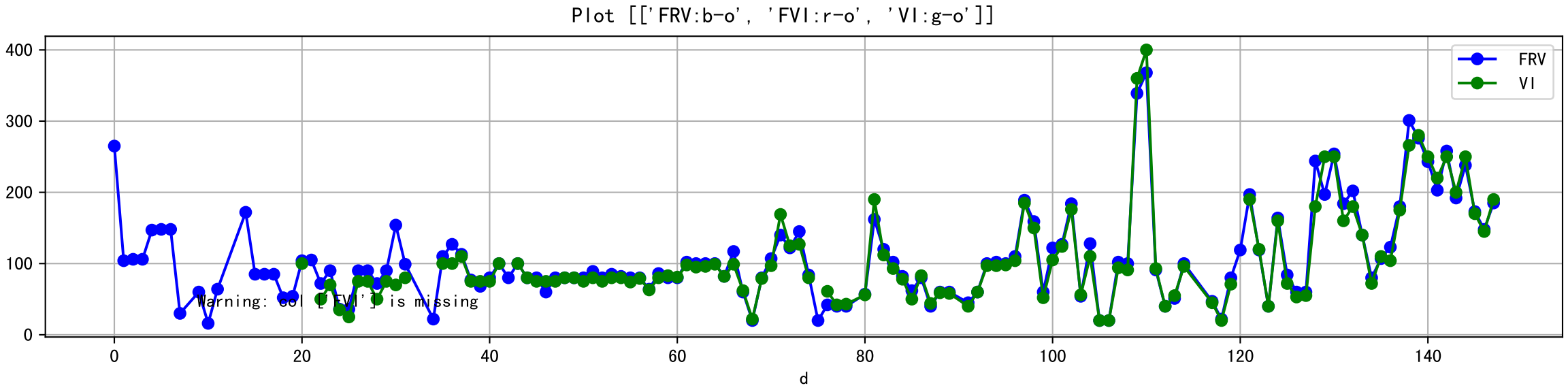


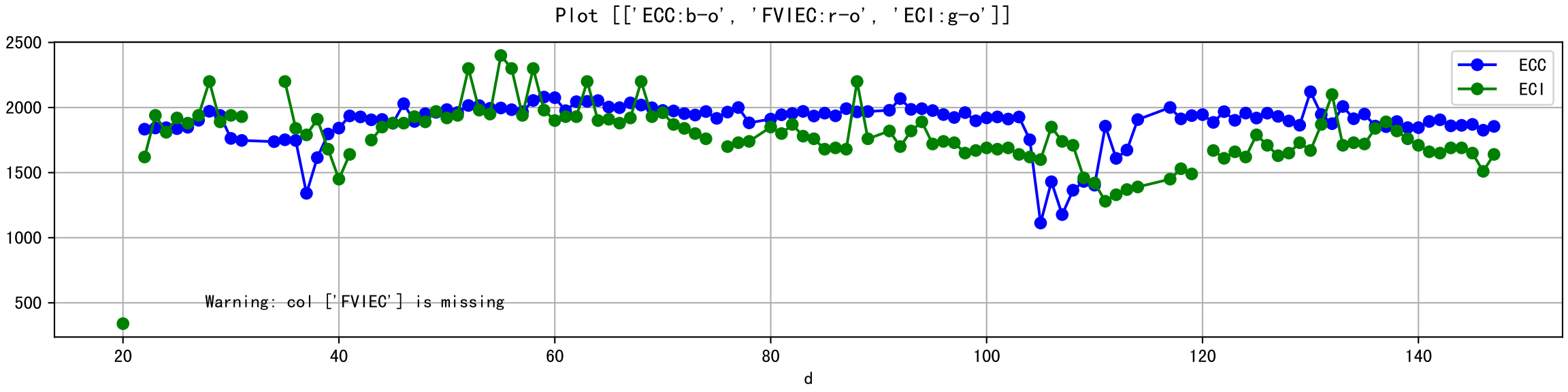


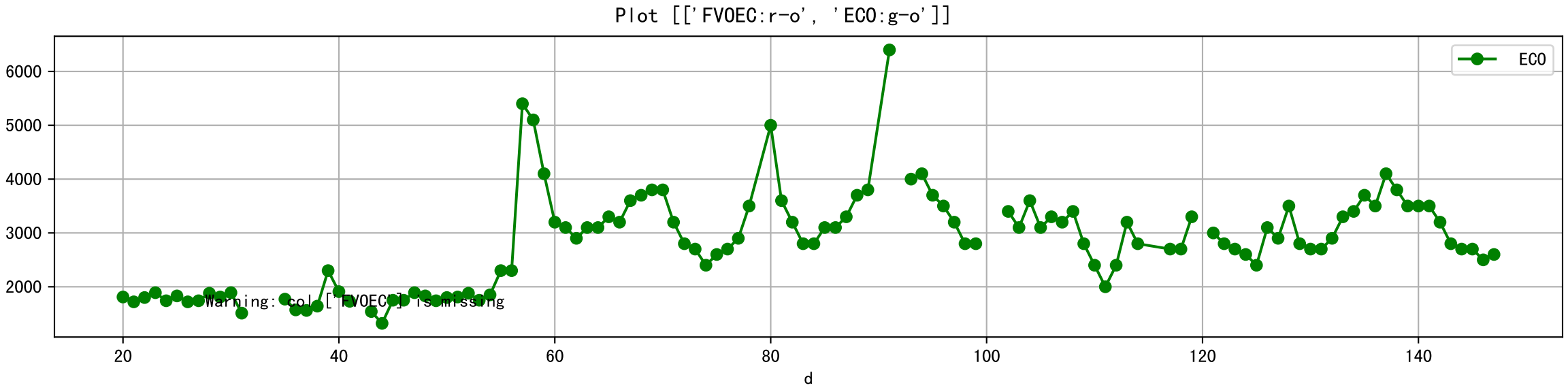

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

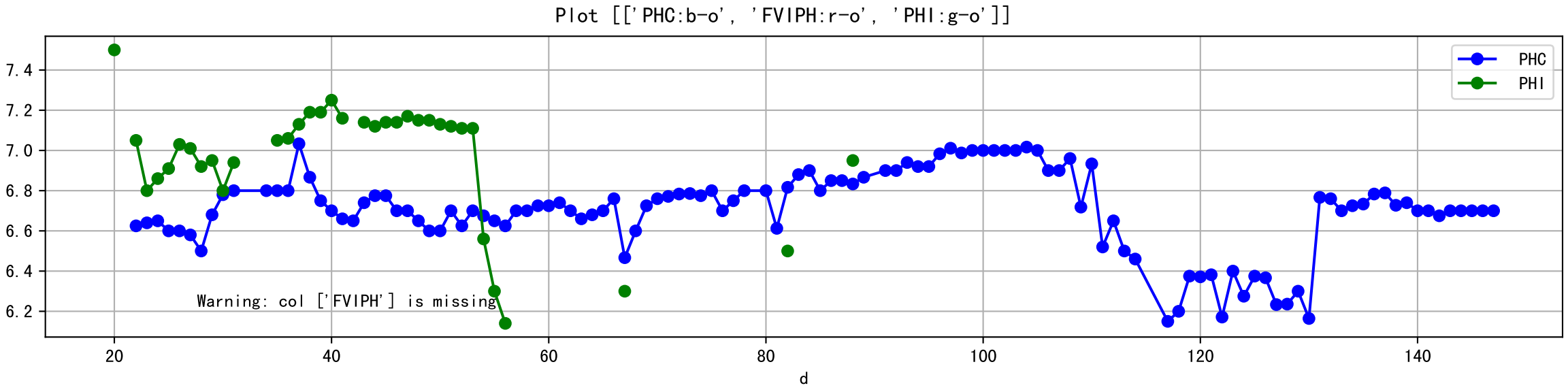

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
160
d

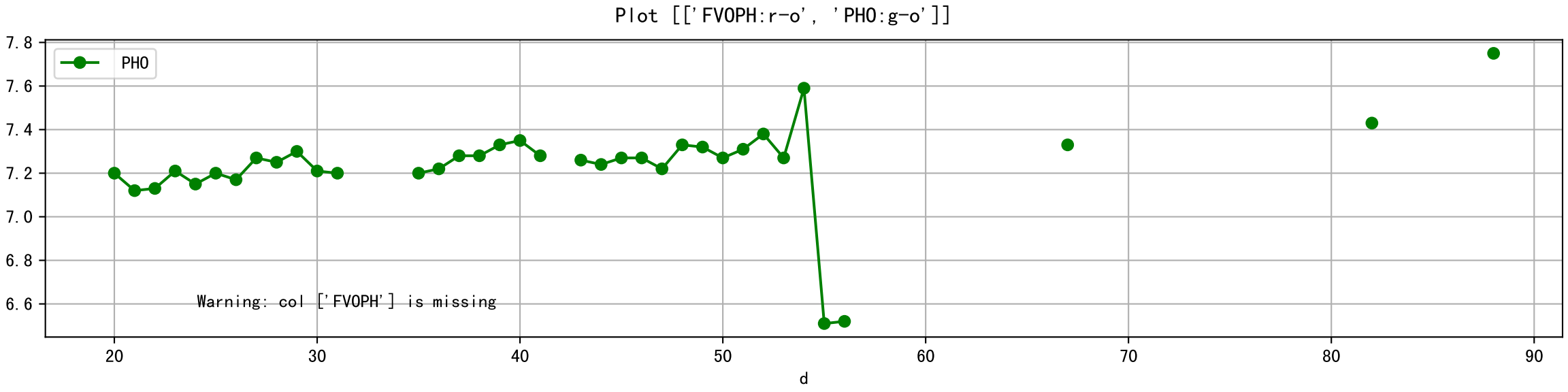

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

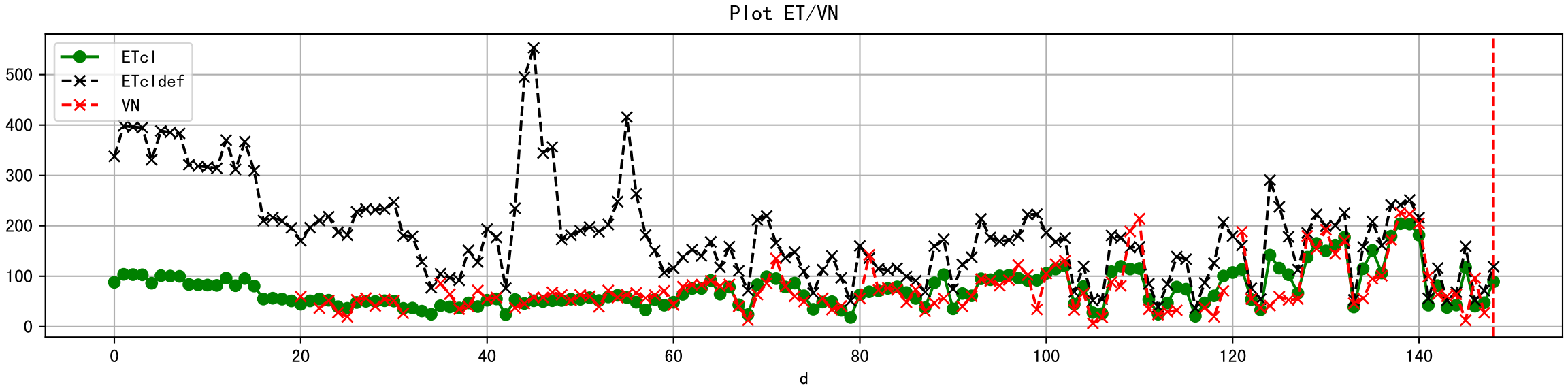

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
0
100
200
300
400
0
20
40
60
80
100
120
140
d


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

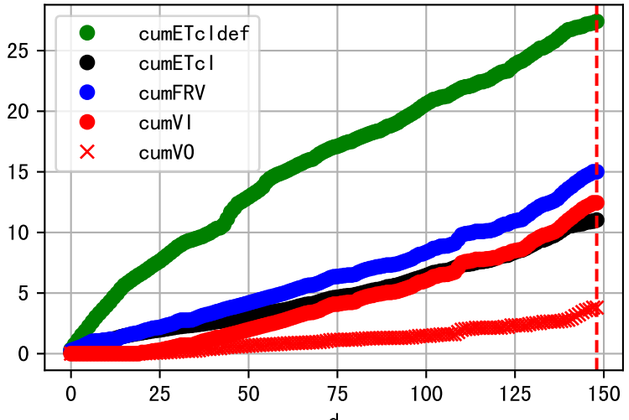

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
d

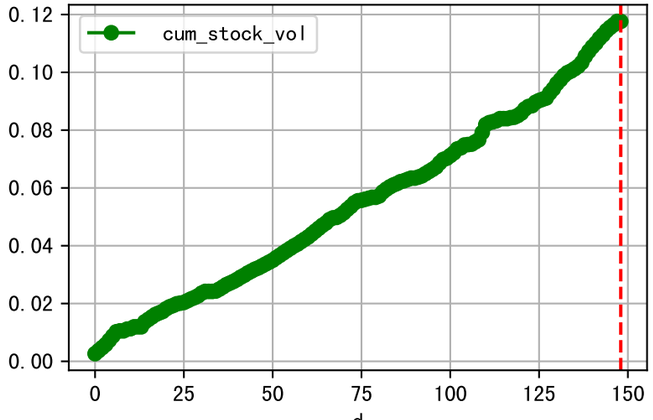

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
d

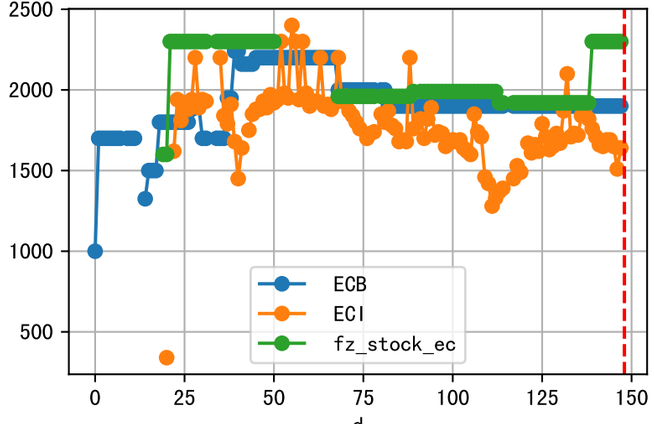

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

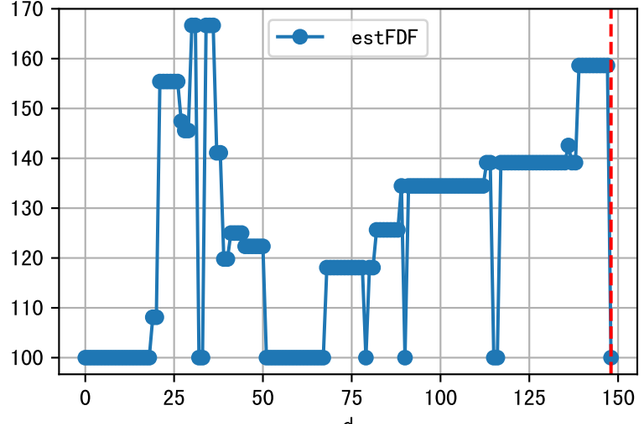

Plot ET/VN
ETcl
ETcldef
VN
500
400
300
200
100
0
0
20
40
60
80
100
120
140
d

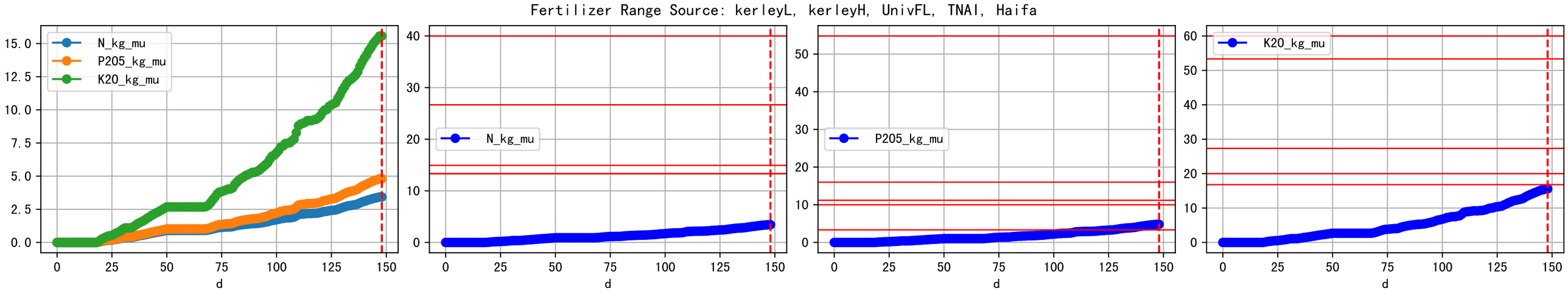
Plot Fv and fertilizer usage

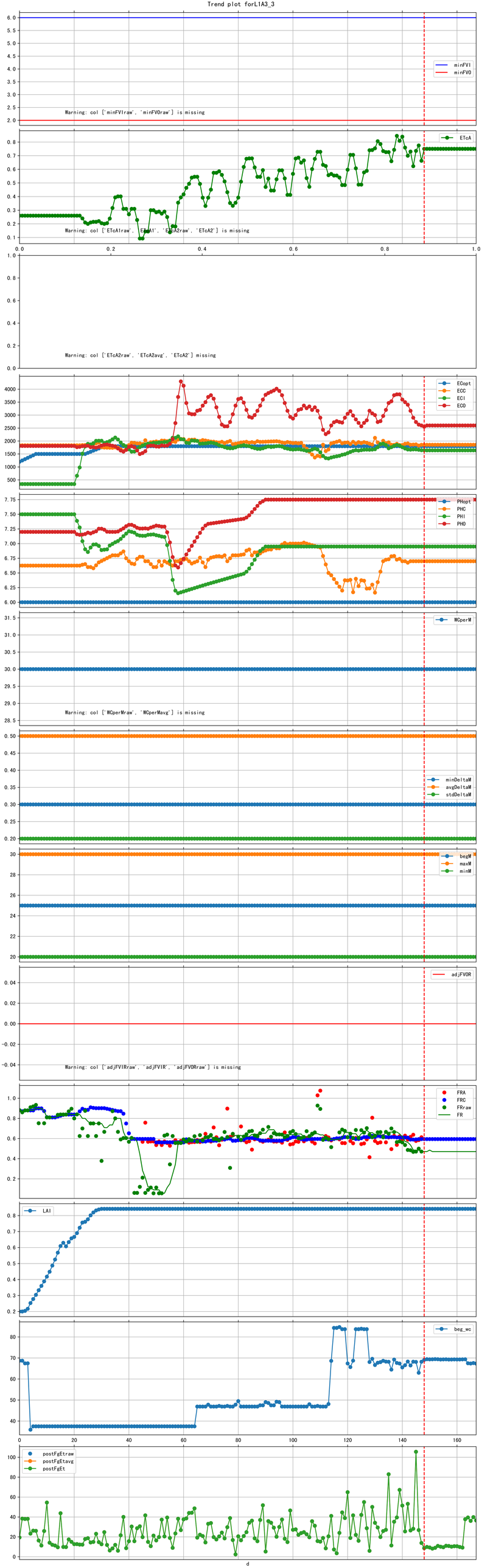


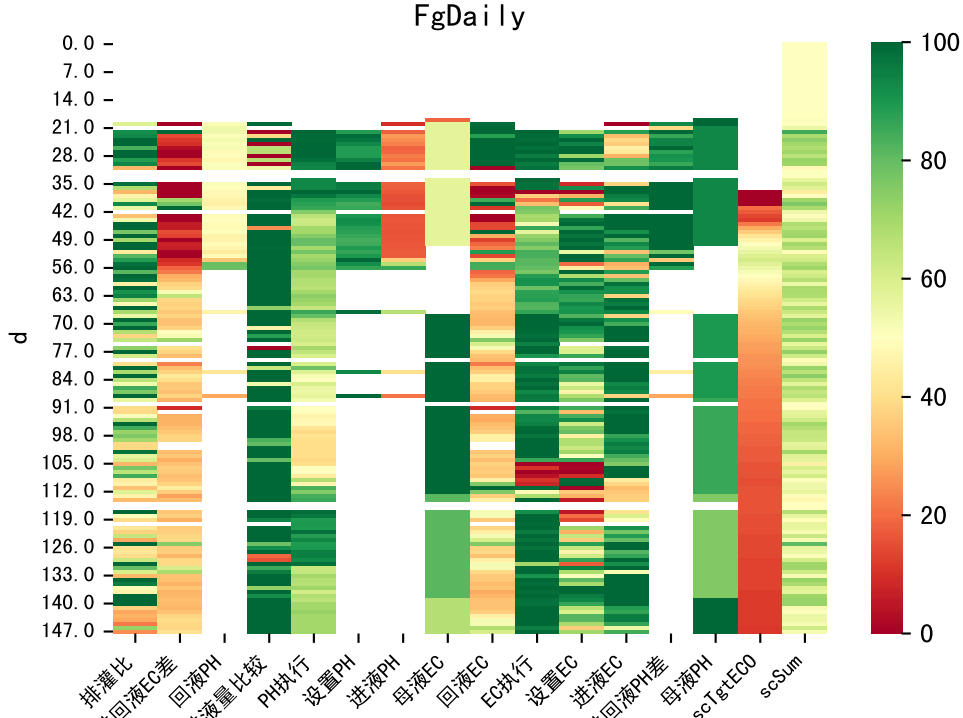




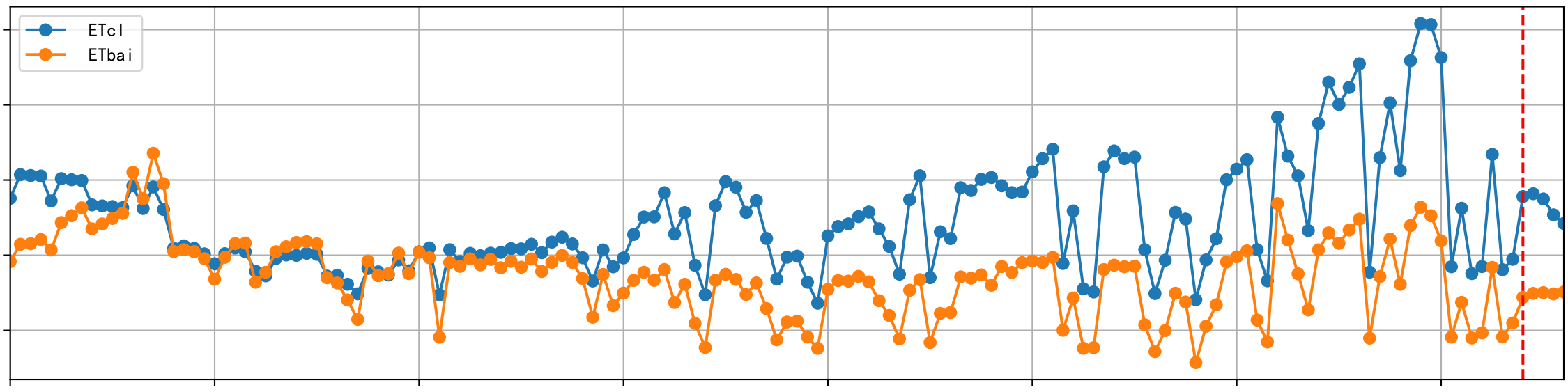


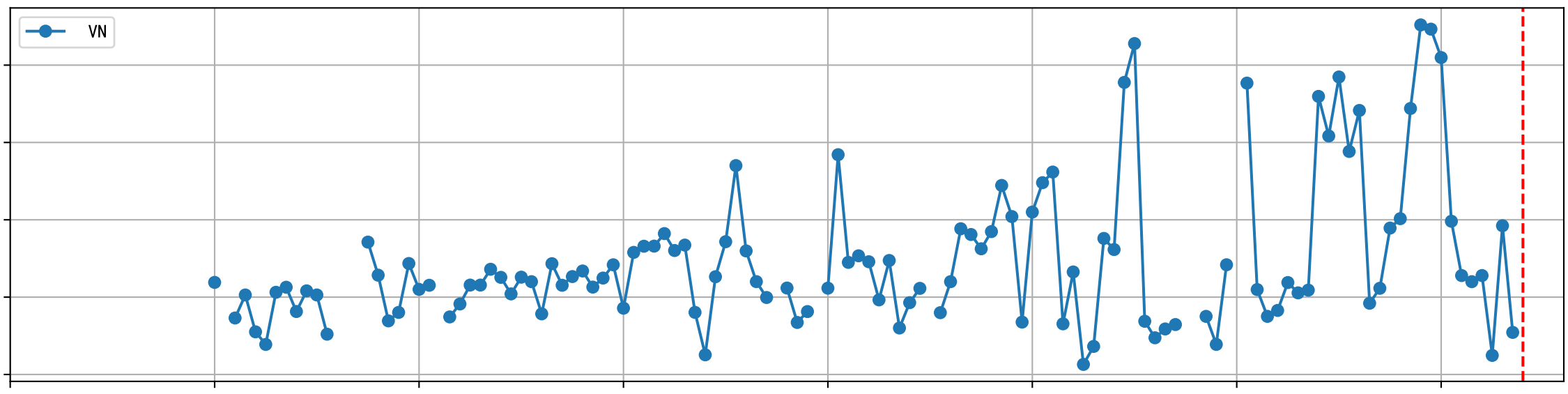

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

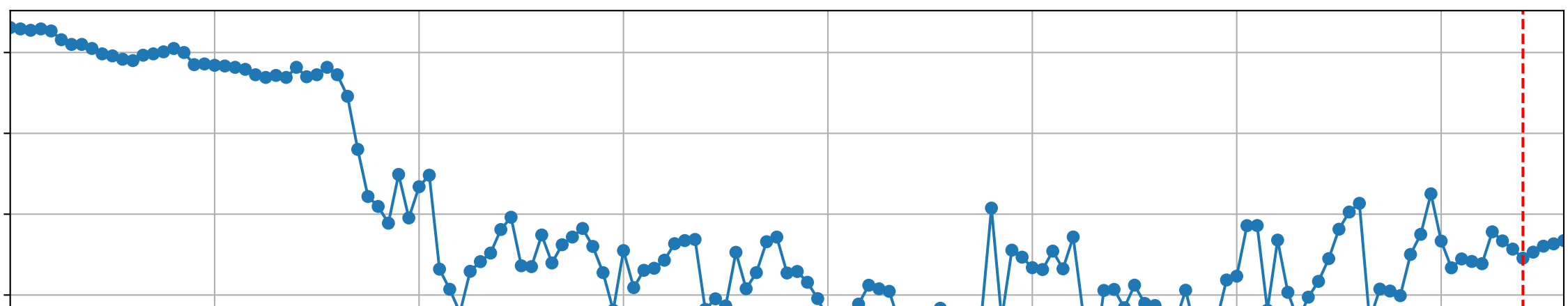

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

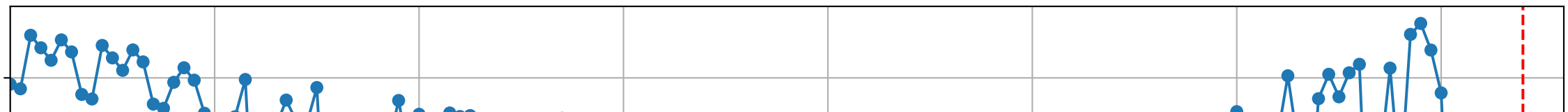

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
140.0
147.0
100
80
60
40
20
0
排灌比
回液EC差
回液PH
液量比较
PH执行
设置PH
进液PH
母液EC
回液EC
EC执行
设置EC
进液EC
回液PH差
母液PH
scTgtEC0
scSum

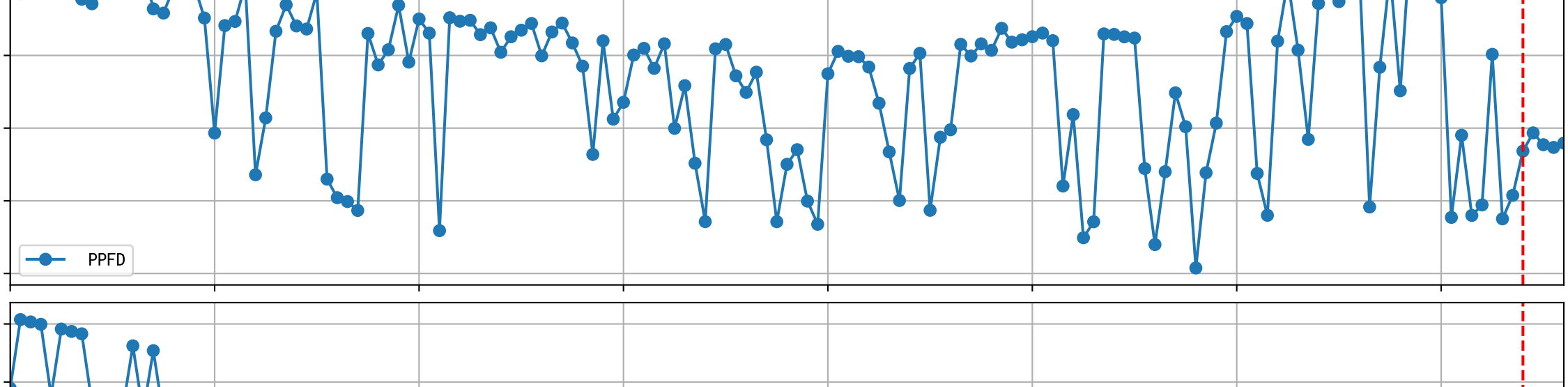
L1A3_3

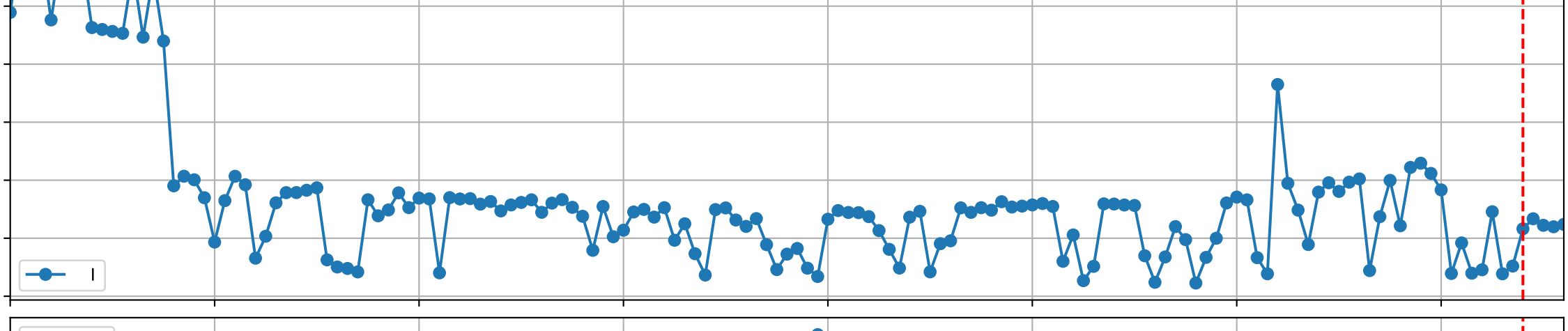


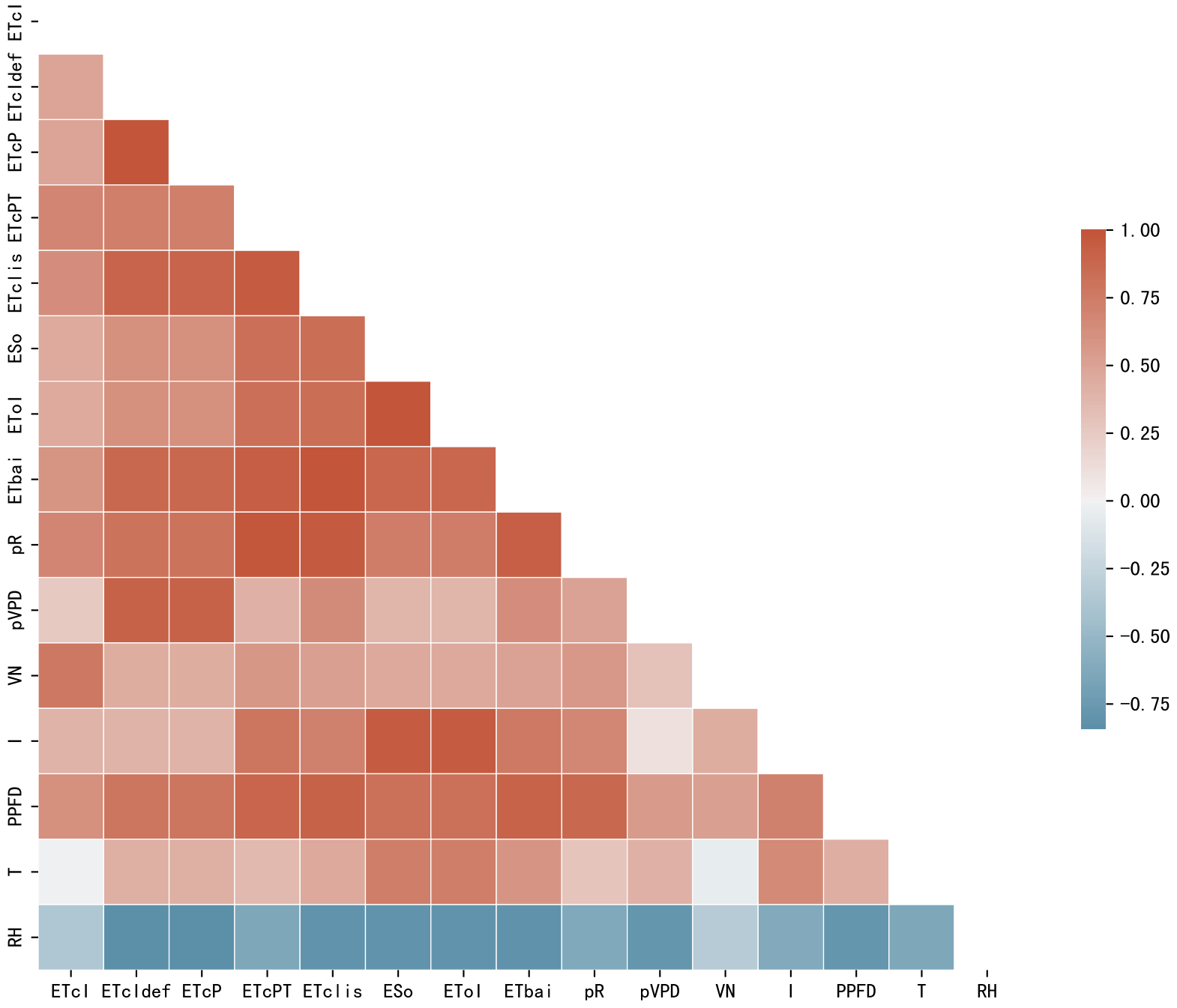


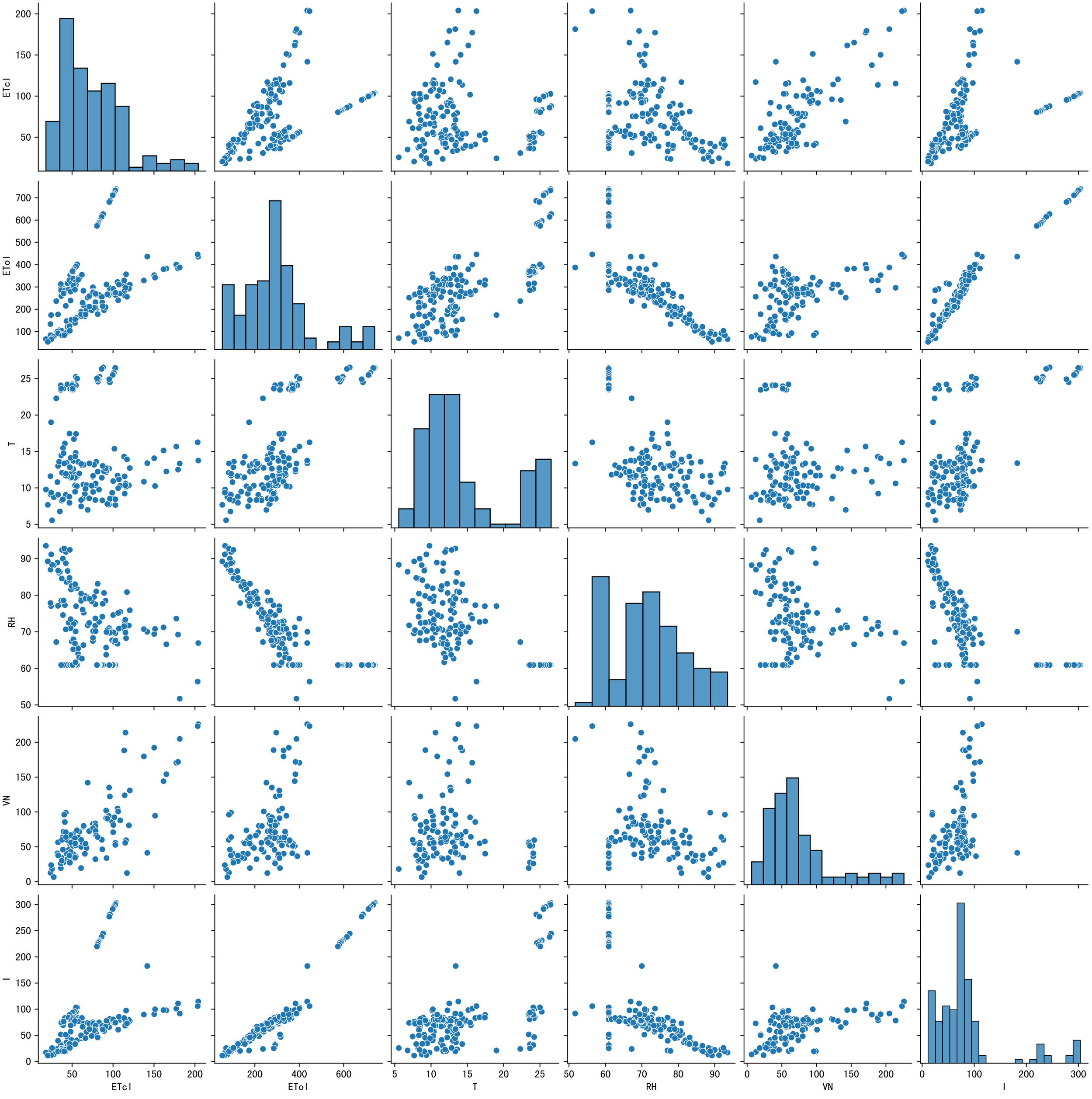


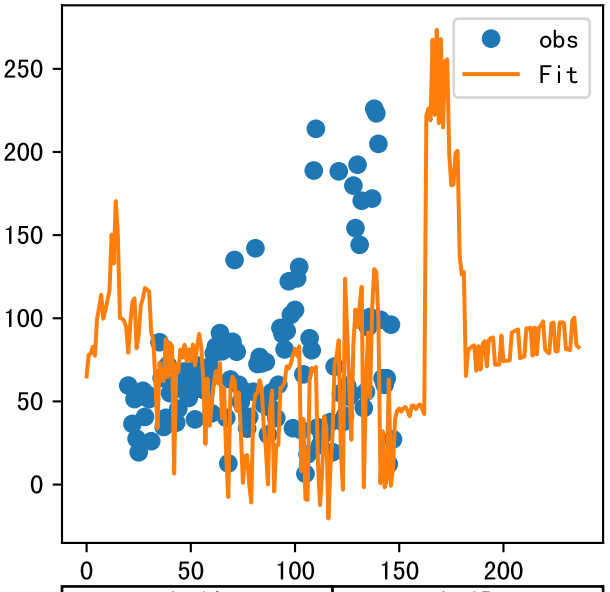


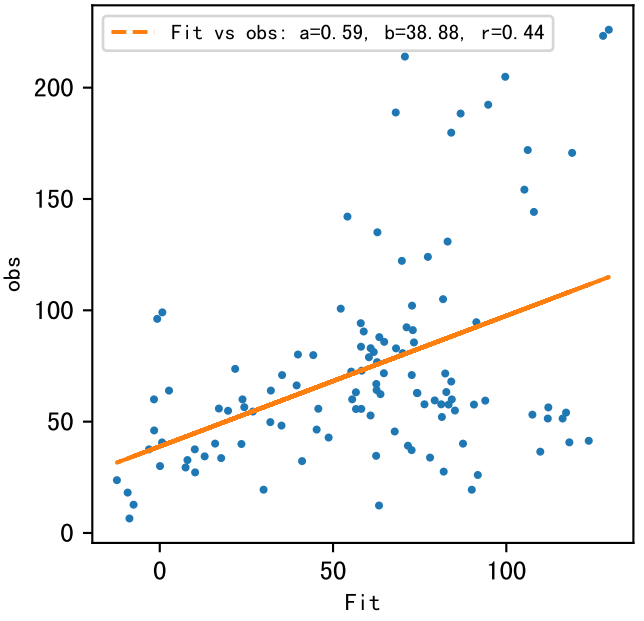




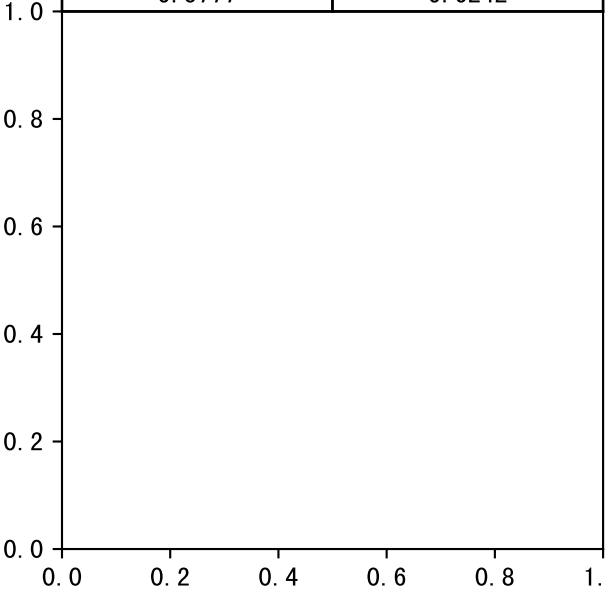

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

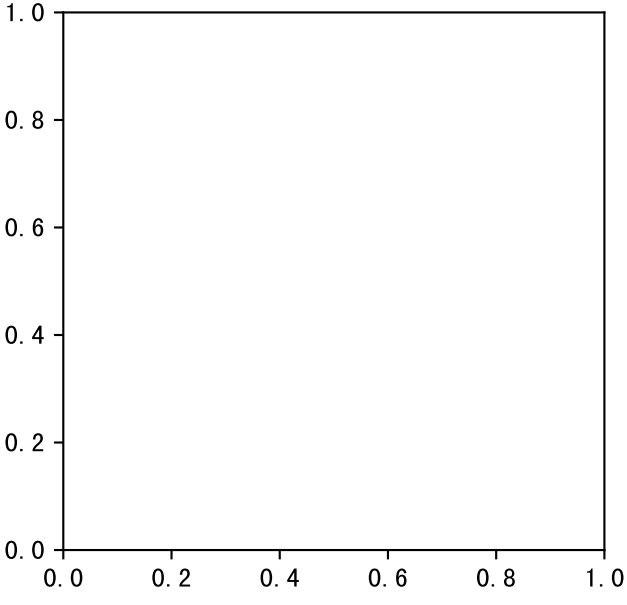

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

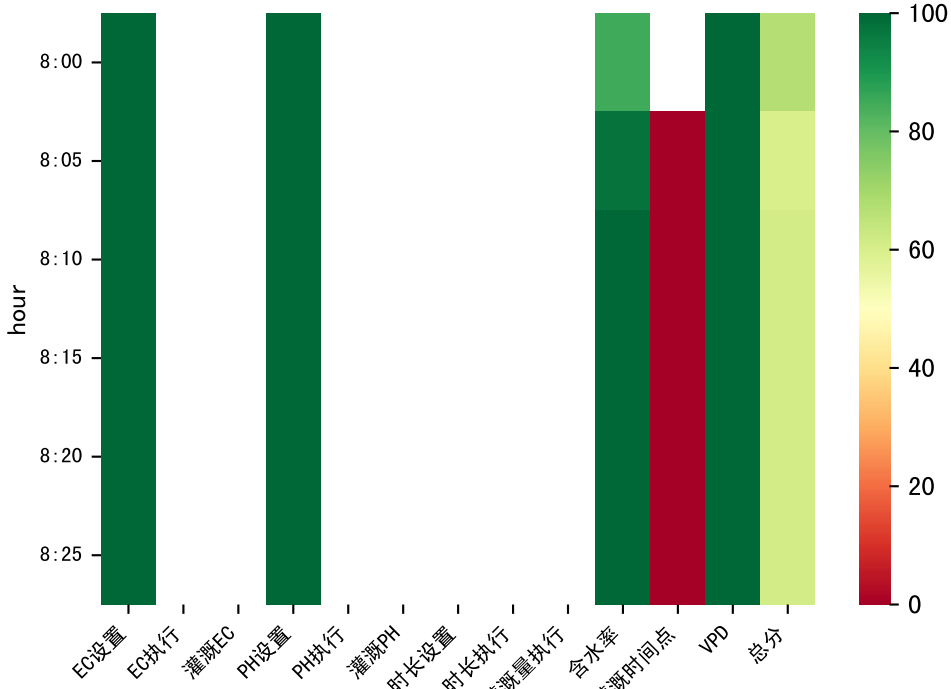




baiA	baiB
0.5777	0.0242

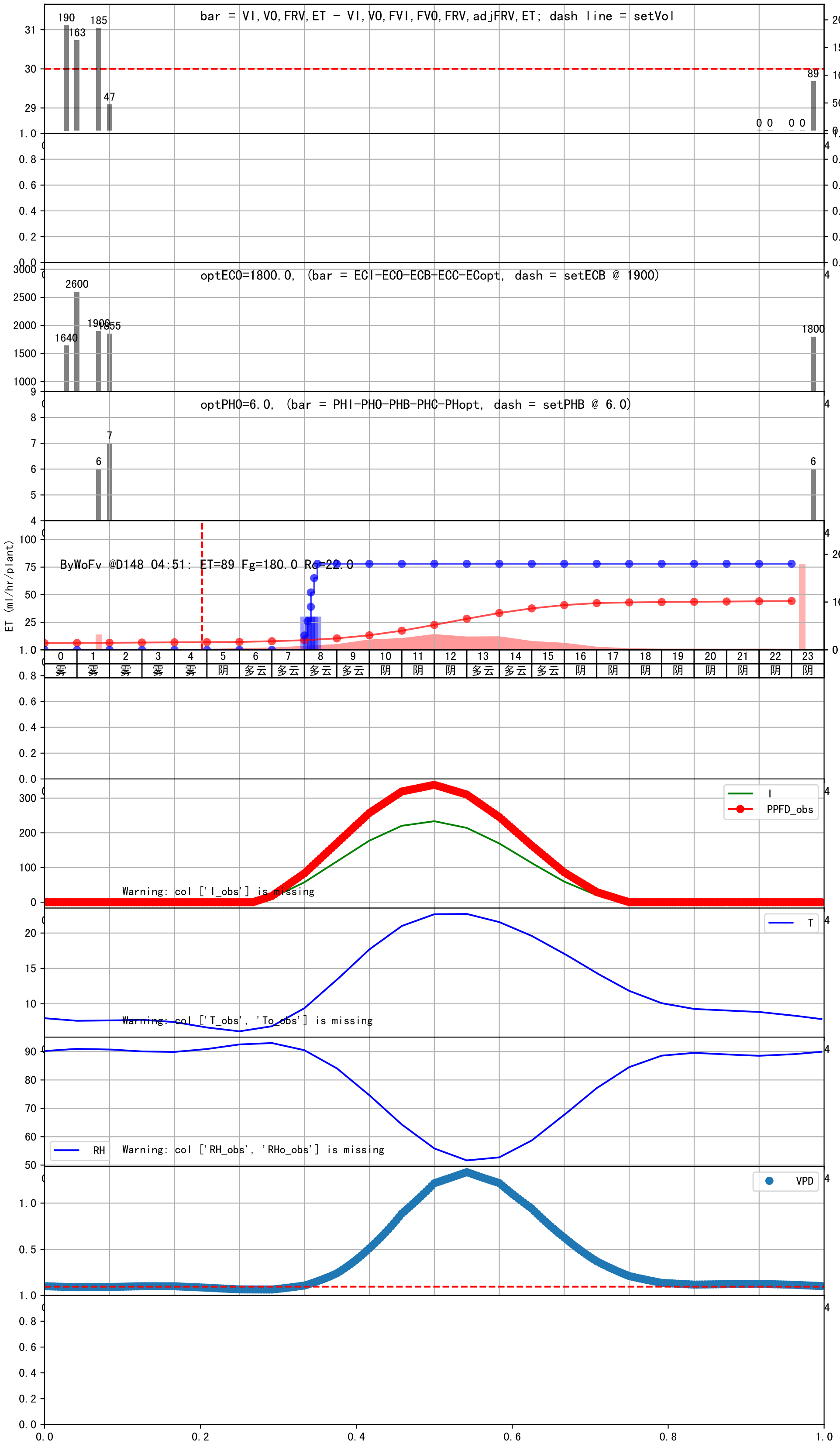


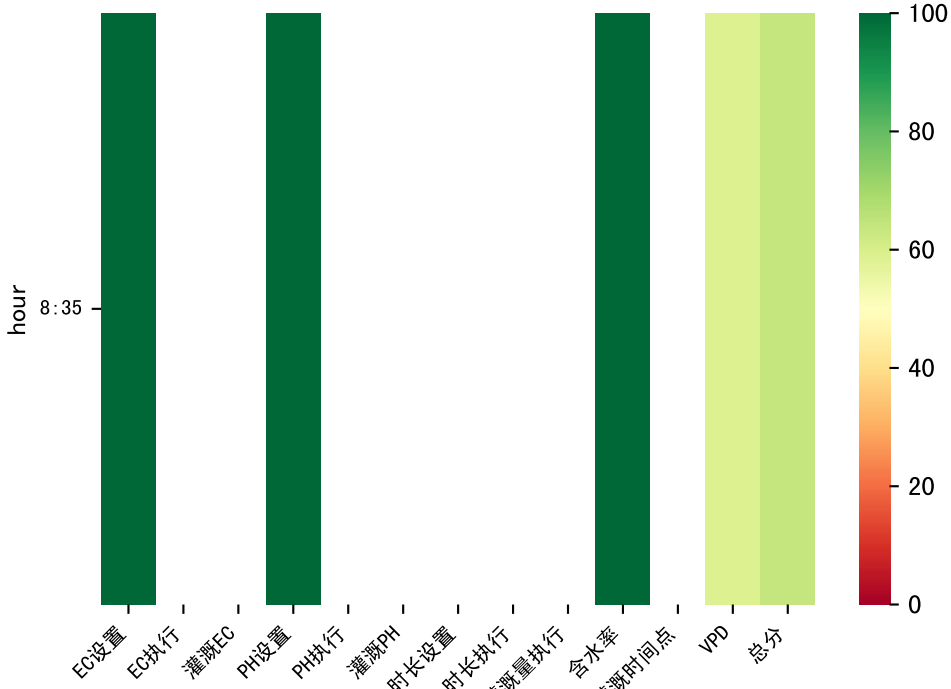



hour
8:00
8:05
8:10
8:15
8:20
8:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:05	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:10	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:15	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:20	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
08:25	64	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 22 ml/株）
总计	384.0 (6次)	180.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=148 (2026-03-03)

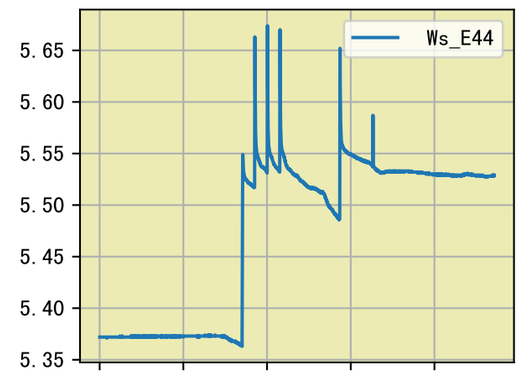


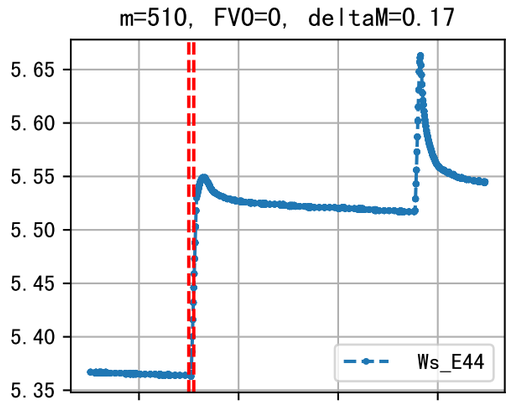

hour
8:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

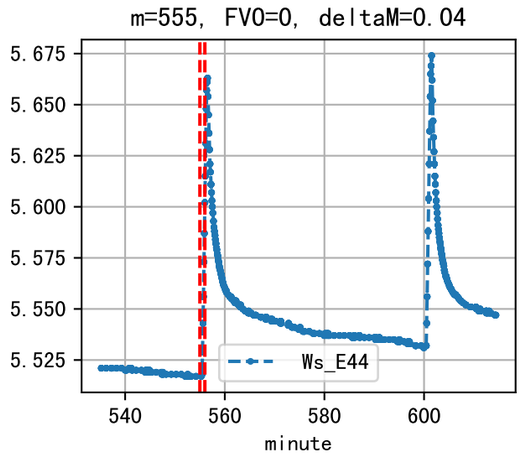
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:35	62	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	62.0 (1次)	30.0			建议进液EC：1900， PH：6.0

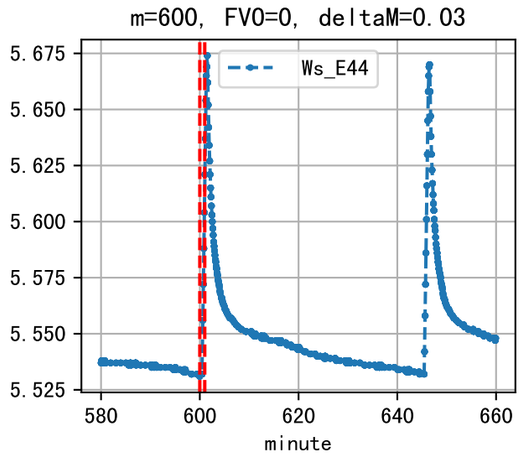
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.
unusual large postFgEt from yesterday (106), set to 90.0 ml.

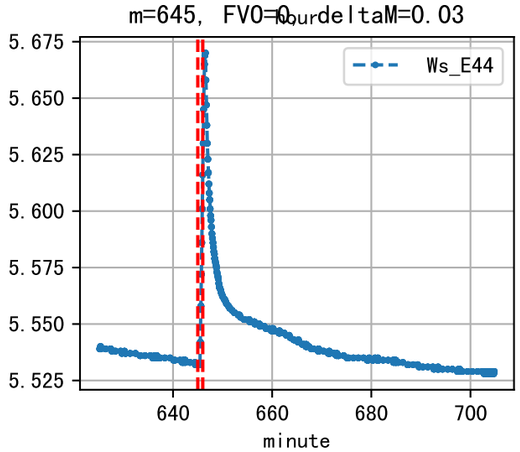
L1A3_3, Day=147.0 (2026-03-02)

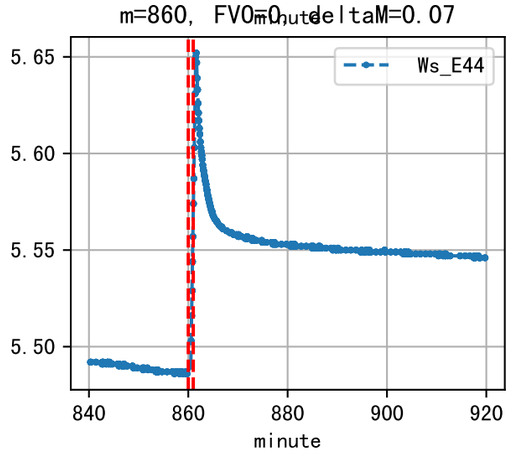

Ws_E44
5.65
5.60
5.55
5.50
5.45
5.40
5.35
0
5
10
15
20

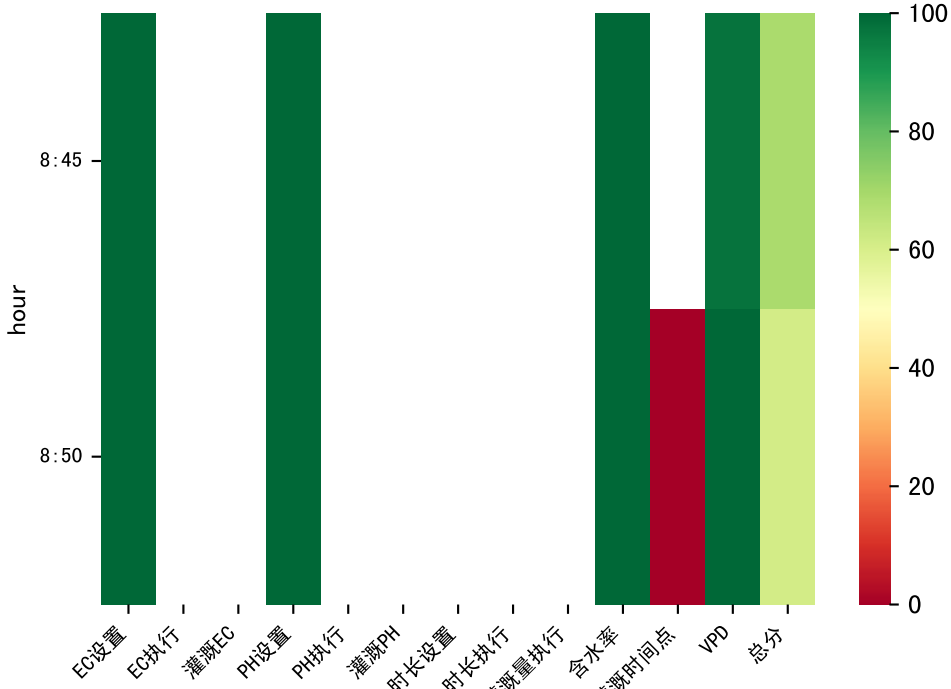

m=510, FV0=0, deltaM=0.17
Ws_E44
5.65
5.60
5.55
5.50
5.45
5.40
5.35
500
520
540
560


m=555, FV0=0, deltaM=0.04
Ws_E44
5.675
5.650
5.625
5.600
5.575
5.550
5.525
540
560
580
600
minute


m=600, FV0=0, deltaM=0.03
Ws_E44
5.675
5.650
5.625
5.600
5.575
5.550
5.525
580
600
620
640
660
minute


m=645, FV0=0, deltaM=0.03
Ws_E44
5.675
5.650
5.625
5.600
5.575
5.550
5.525
640
660
680
700
minute

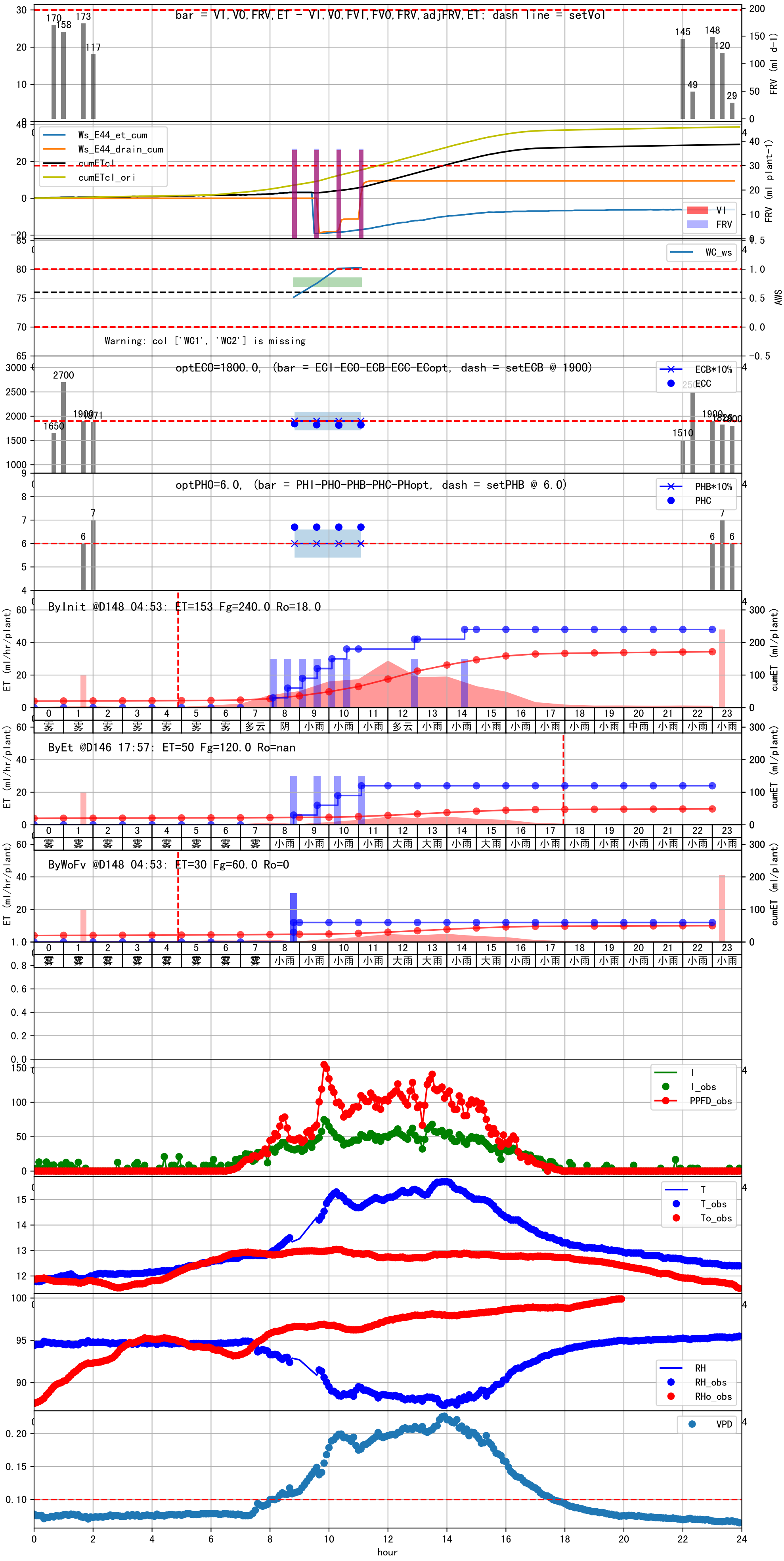

m=860, FV0=0, deltaM=0.07
Ws_E44
5.65
5.60
5.55
5.50
840
860
880
900
920
minute

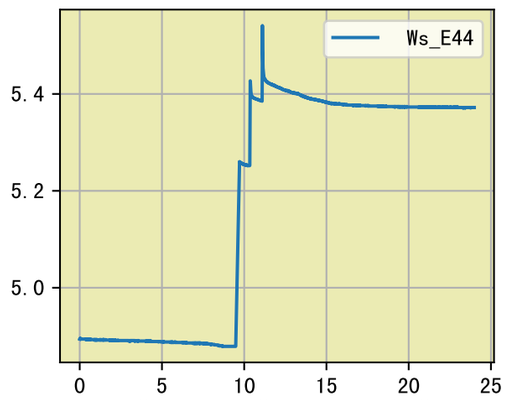

hour
8:45
8:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

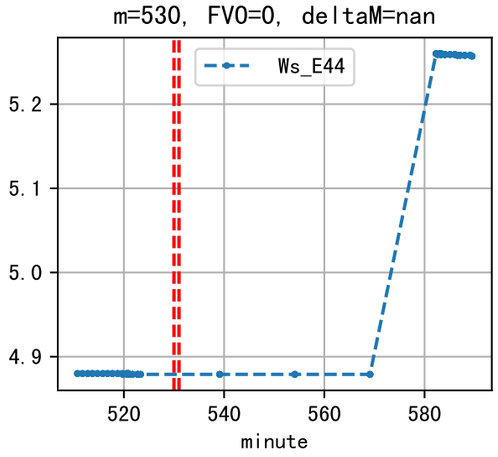
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:45	62	30.0	0.122	小雨	假设 未知程序（未用进回液传感器）（预期回液 无）
08:50	62	30.0	0.122	小雨	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	124.0 (2次)	60.0			建议进液EC：1900， PH：6.0

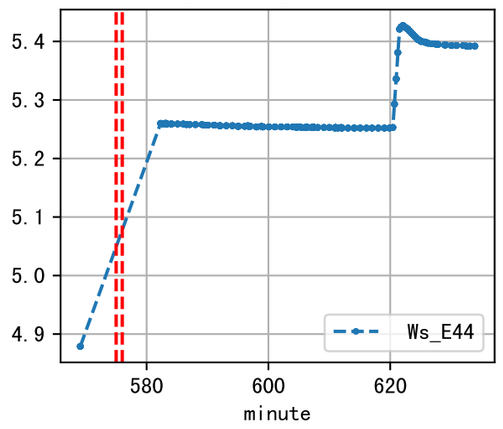
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

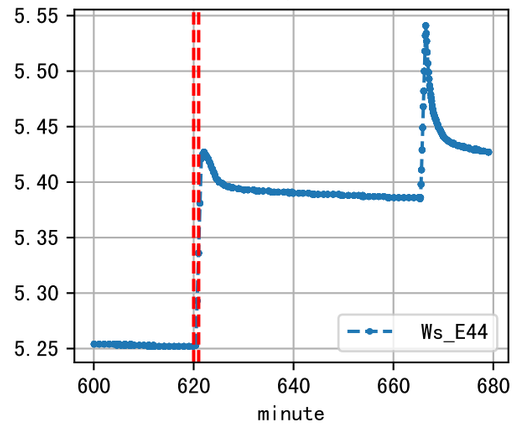
L1A3_3, Day=146.0 (2026-03-01)

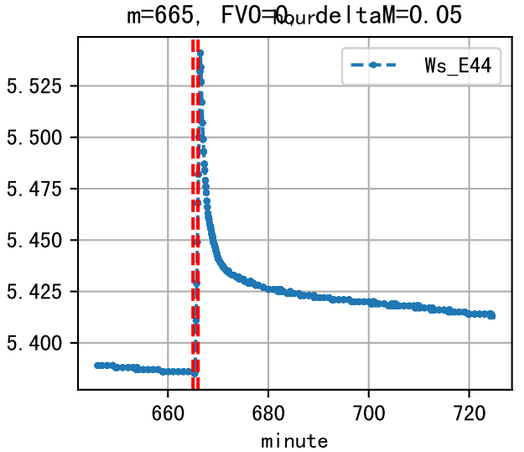


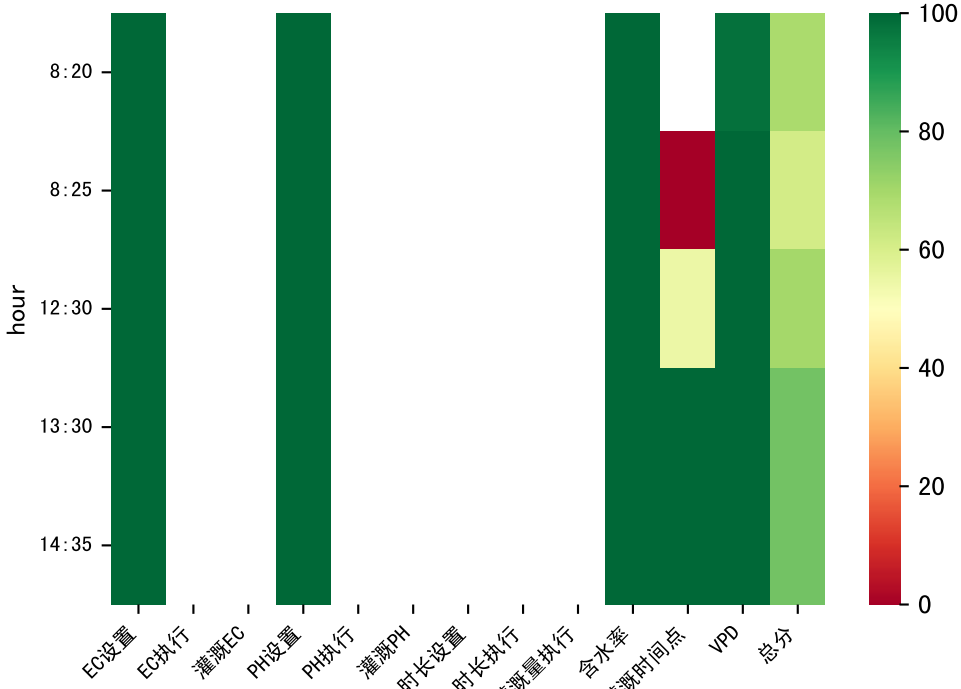

Ws_E44
5.4
5.2
5.0
0
5
10
15
20
25


m=530, FV0=0, deltaM=nan
Ws_E44
5.2
5.1
5.0
4.9
520
540
560
580
minute


m=575, FV0=0, deltaM=nan
Ws_E44
5.4
5.3
5.2
5.1
5.0
4.9
580
600
620
minute

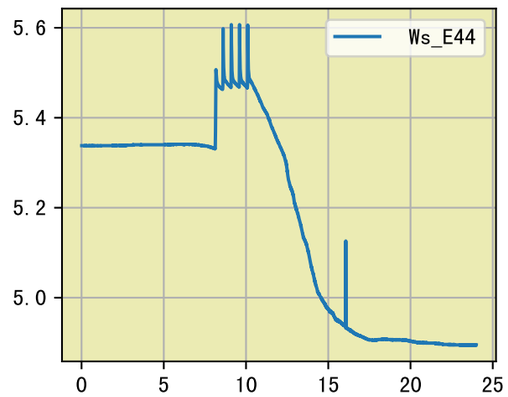

m=620, FV0=0, deltaM=0.14
Ws_E44
5.55
5.50
5.45
5.40
5.35
5.30
5.25
600
620
640
660
680
minute

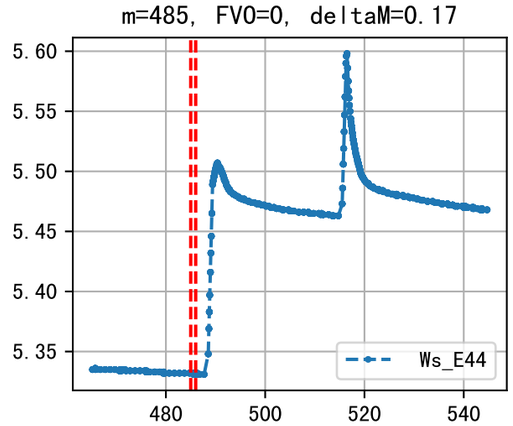

m=665, FV0=0, deltaM=0.05
Ws_E44
5.525
5.500
5.475
5.450
5.425
5.400
660
680
700
720
minute

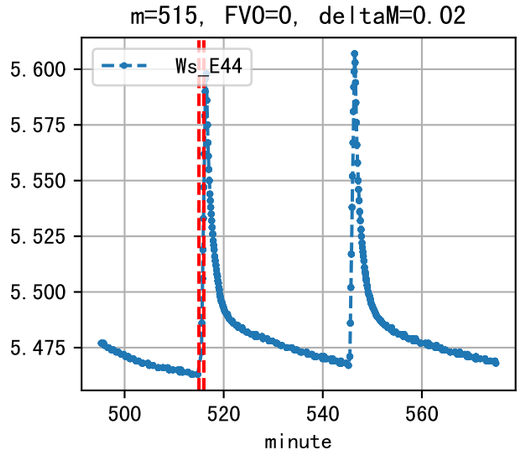

hour
8:20
8:25
12:30
13:30
14:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

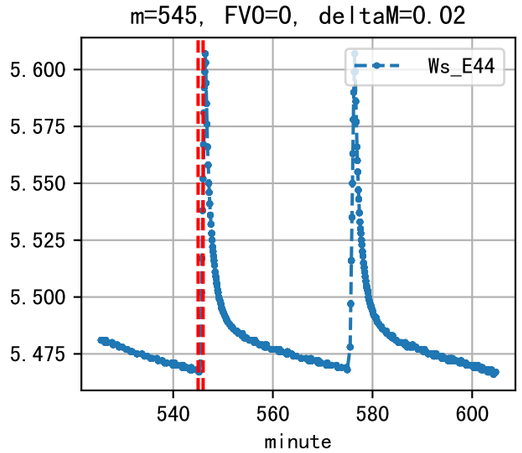
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
:20	61	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
:25	61	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 27 ml/株）
:30	61	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
:30	61	30.0	0.122	阴	假设 未知程序（未用进回液传感器）（预期回液 无）
:35	61	30.0	0.122	阴	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	305.0 (5次)	150.0			建议进液EC：1900， PH：6.0

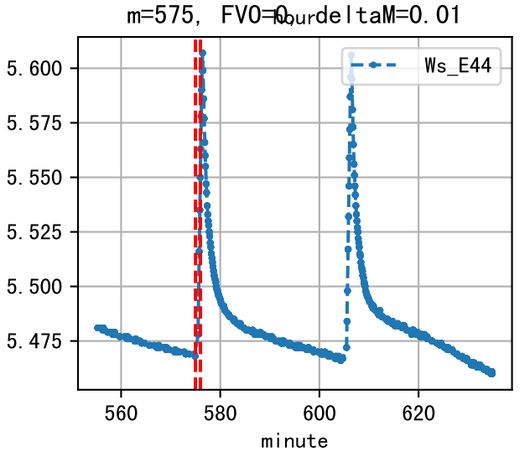
L1A3_3, Day=145.0 (2026-02-28)

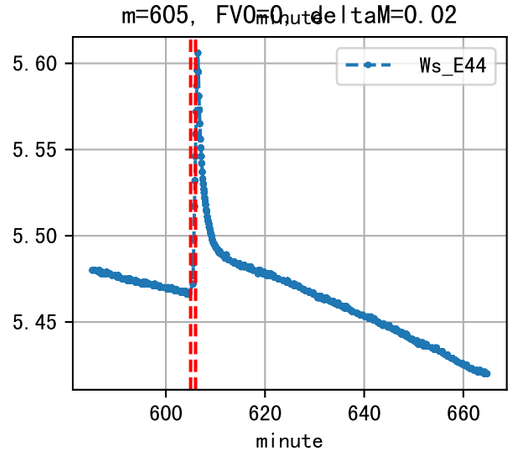

Ws_E44
5.6
5.4
5.2
5.0
0
5
10
15
20
25

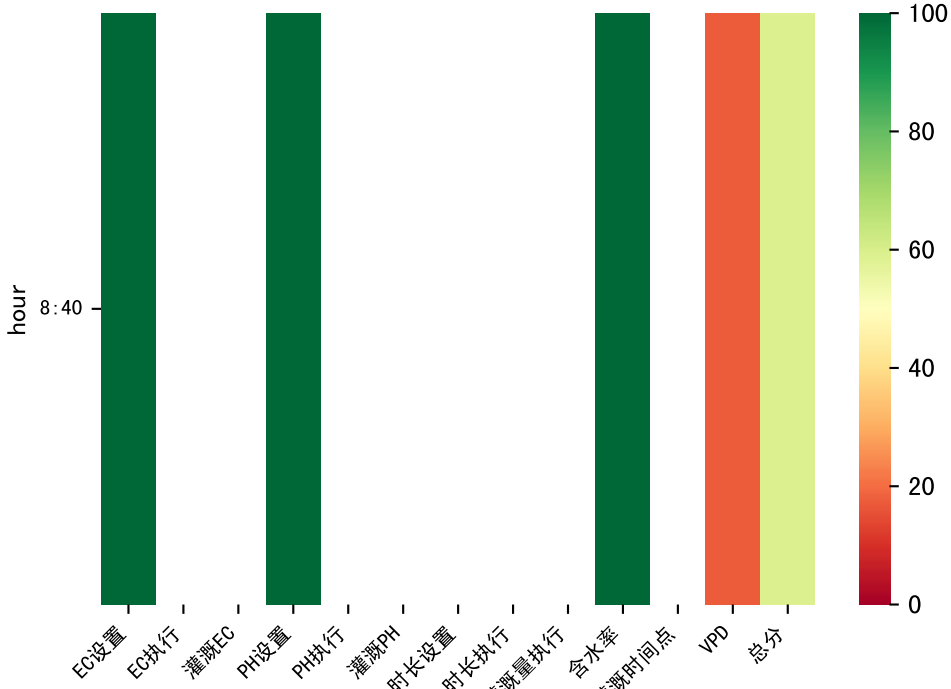

m=485, FV0=0, deltaM=0.17
Ws_E44
5.60
5.55
5.50
5.45
5.40
5.35
480
500
520
540


m=515, FV0=0, deltaM=0.02
Ws_E44
5.600
5.575
5.550
5.525
5.500
5.475
500
520
540
560
minute


m=545, FV0=0, deltaM=0.02
Ws_E44
5.600
5.575
5.550
5.525
5.500
5.475
540
560
580
600
minute

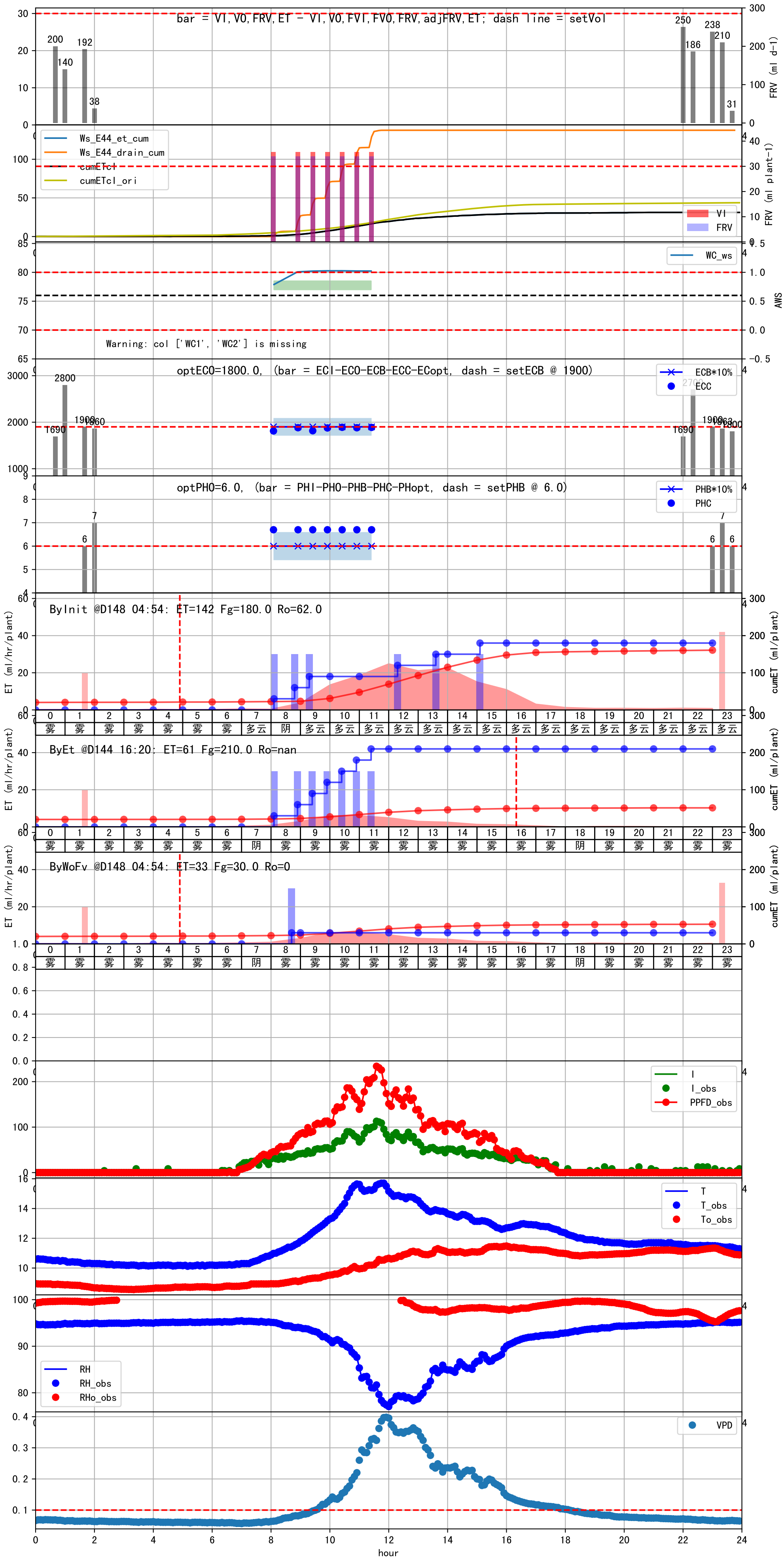

m=575, FV0=0, deltaM=0.01
Ws_E44
5.600
5.575
5.550
5.525
5.500
5.475
560
580
600
620
minute

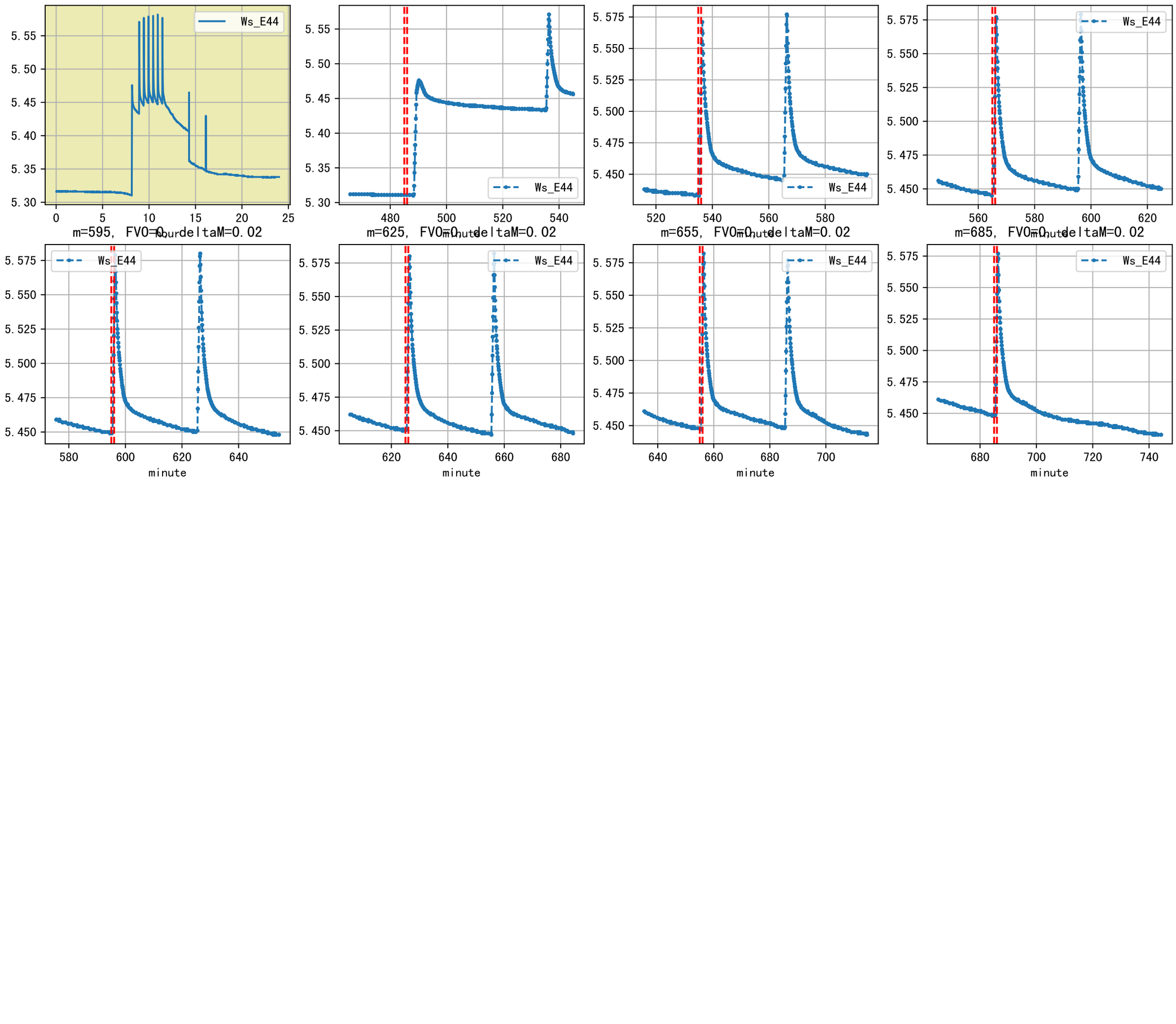

m=605, FV0=0, deltaM=0.02
Ws_E44
5.60
5.55
5.50
5.45
600
620
640
660
minute


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

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:40	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=144.0 (2026-02-27)




Ws_E44
m=485, FVO=0, deltaM=0.16
m=535, FVO=0, deltaM=0.03
m=565, FVO=0, deltaM=0.02
m=595, FVO=0, deltaM=0.02
m=625, FVO=0, deltaM=0.02
m=655, FVO=0, deltaM=0.02
m=685, FVO=0, deltaM=0.02
minute