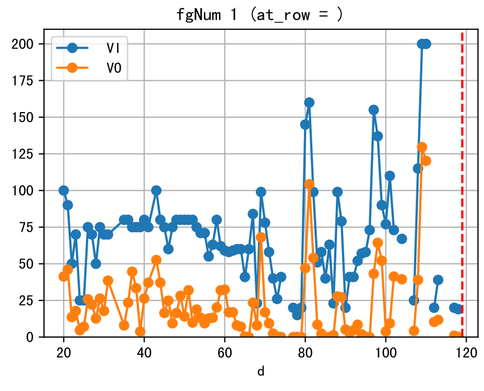
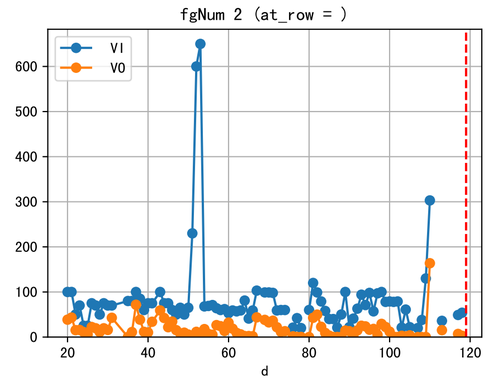
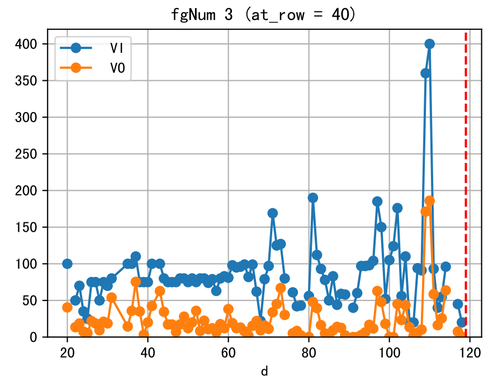
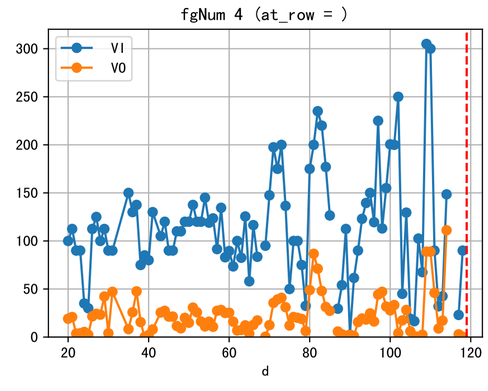
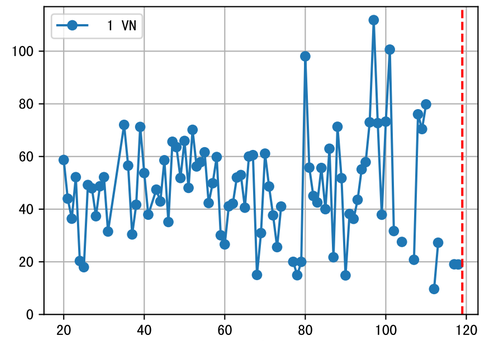
FgArea: ['3']
NJ15 L1
2026-02-02 (Day 119)

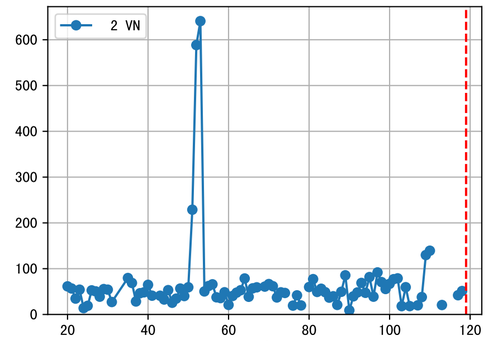

fgNum 1 (at_row =)
VI
VO
d

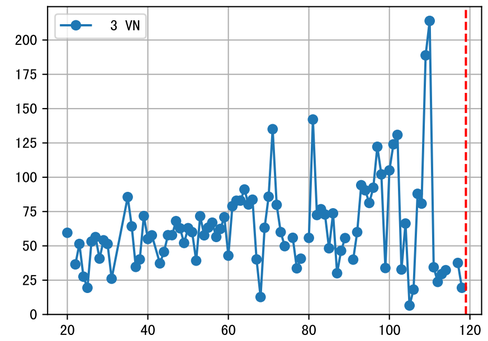

fgNum 2 (at_row =)
VI
VO
d

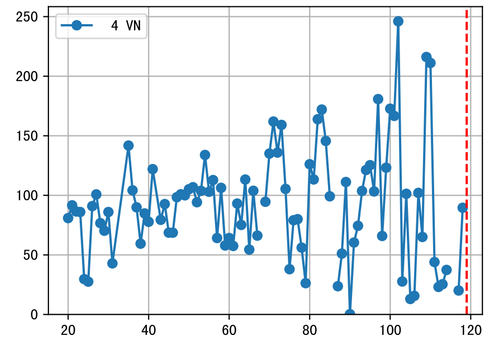

fgNum 3 (at_row = 40)
VI
VO
d

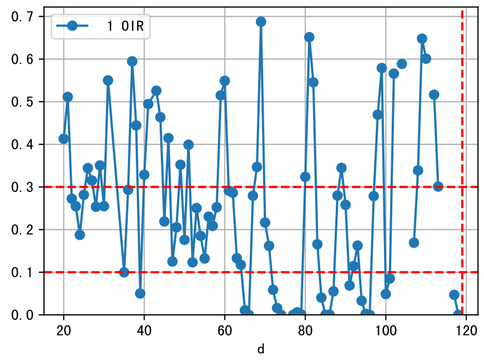

fgNum 4 (at_row =)
VI
VO
d

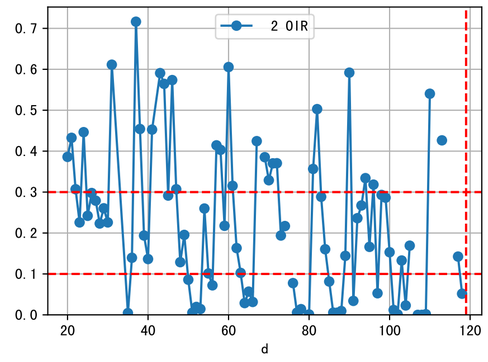

1 VN
d

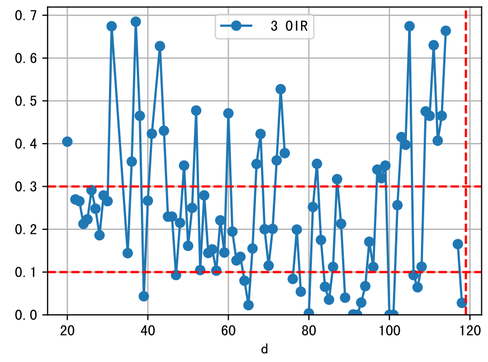

2 VN
d

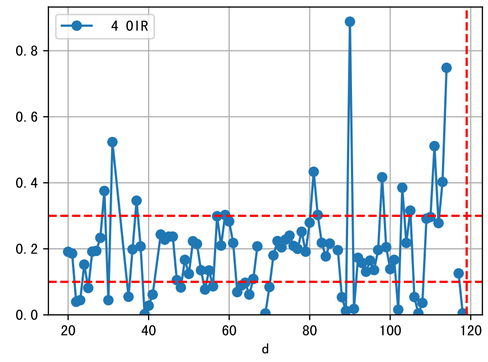

3 VN
d

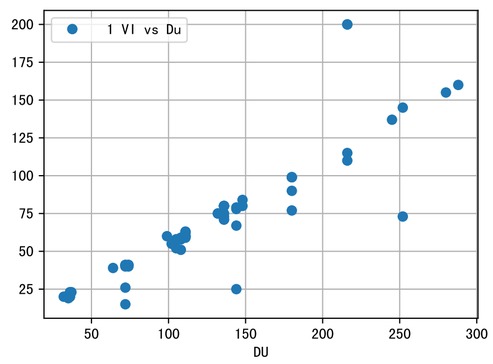

4 VN
d

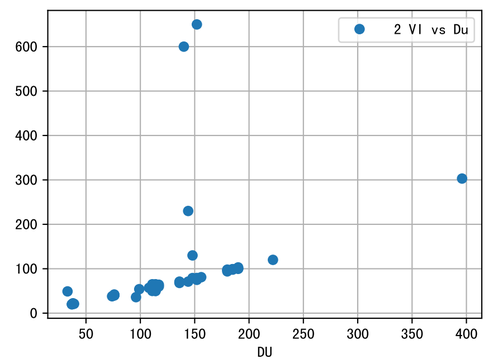

1 OIR
d

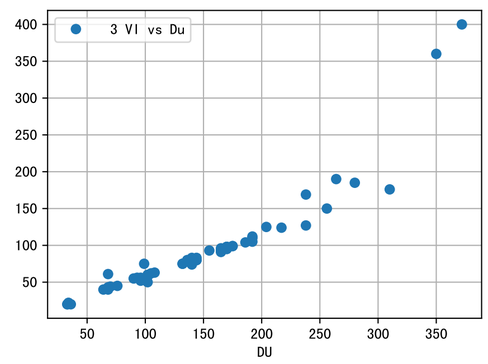

2 OIR
d

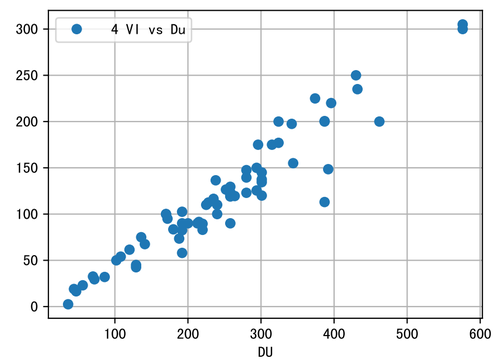

3 OIR
d

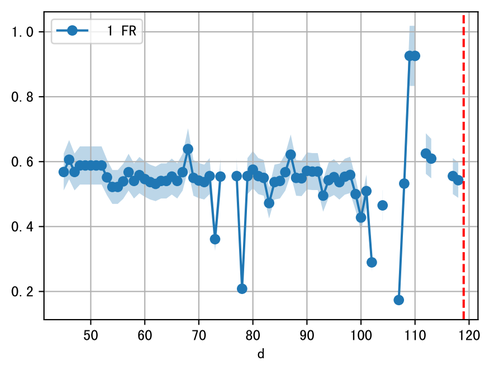

4 OIR
d

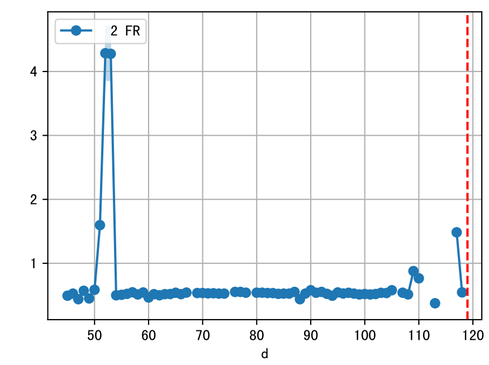

1 VI vs Du
DU

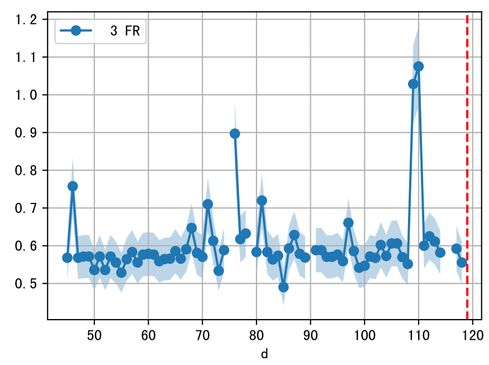

2 VI vs Du
DU

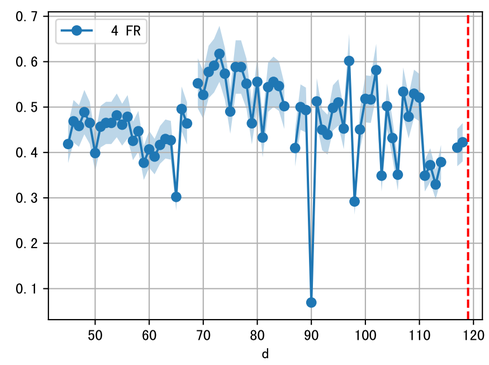

3 VI vs Du
DU

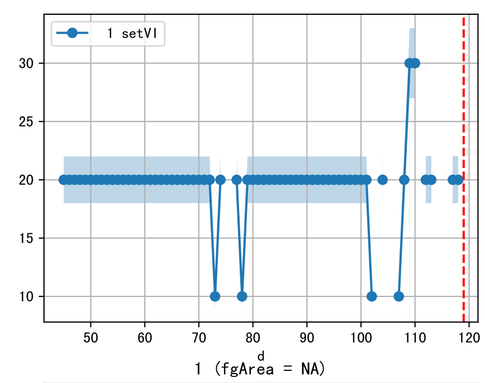

4 VI vs Du
DU

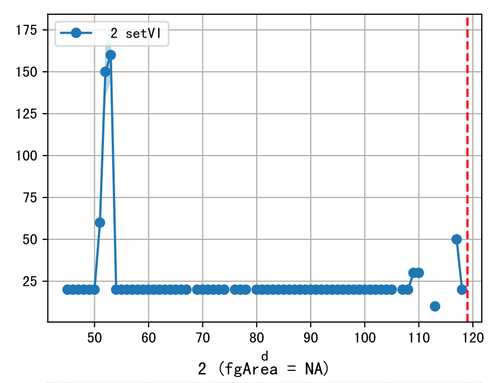

1 FR
d

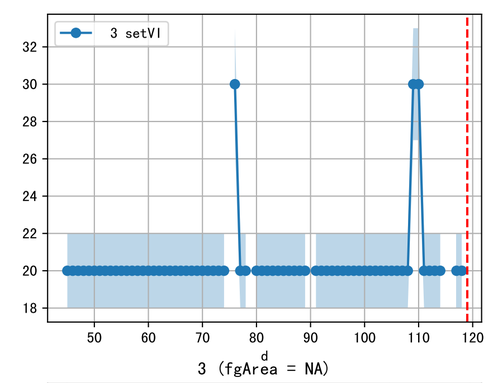

2 FR
d

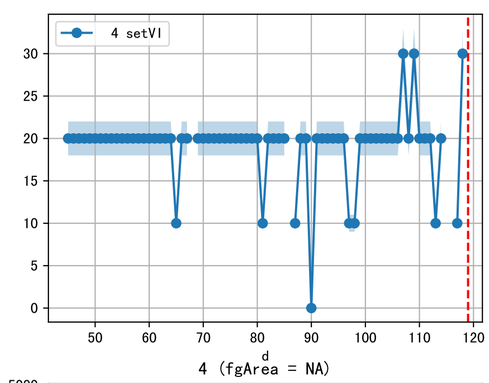

3 FR
d

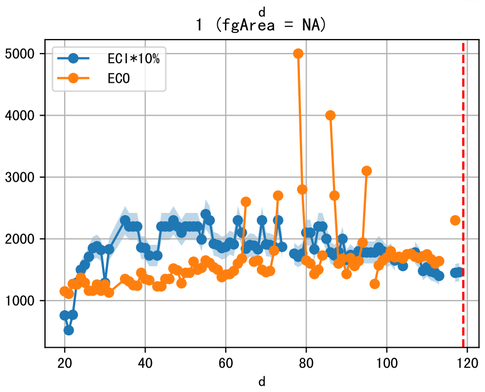

4 FR
d

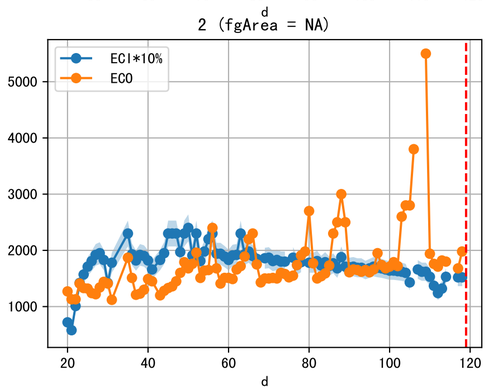

1 setVI
d

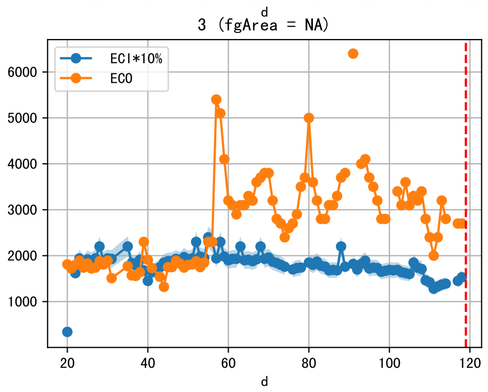

2 setVI
d

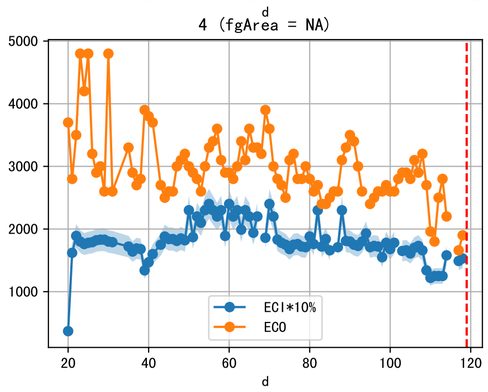

3 setVI
d

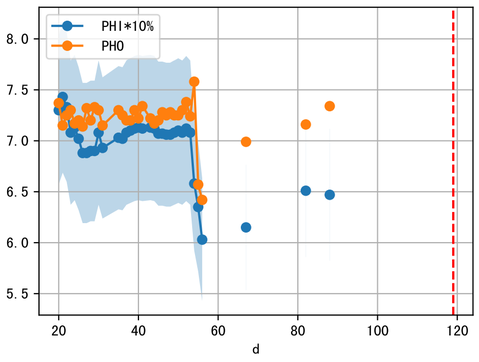

4 setVI
d

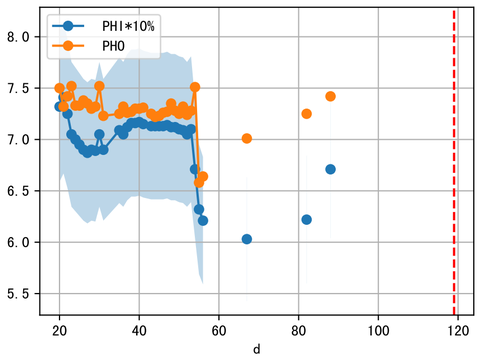

1 (fgArea = NA)
ECI*10%
ECO
d

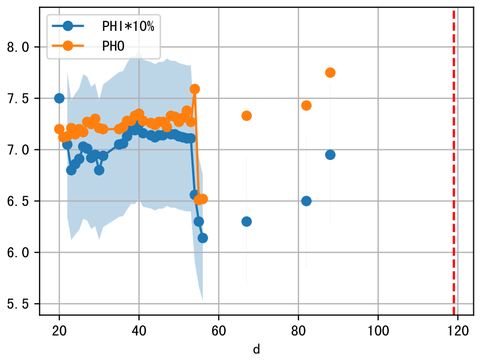

2 (fgArea = NA)
ECI*10%
ECO
d

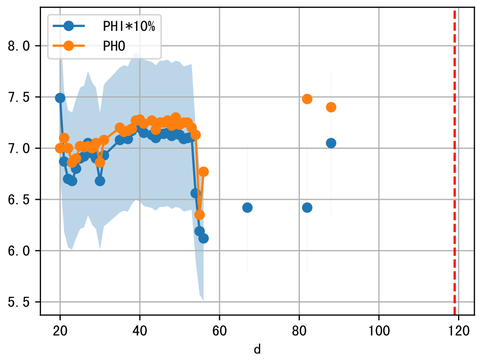

3 (fgArea = NA)
ECI*10%
ECO
d

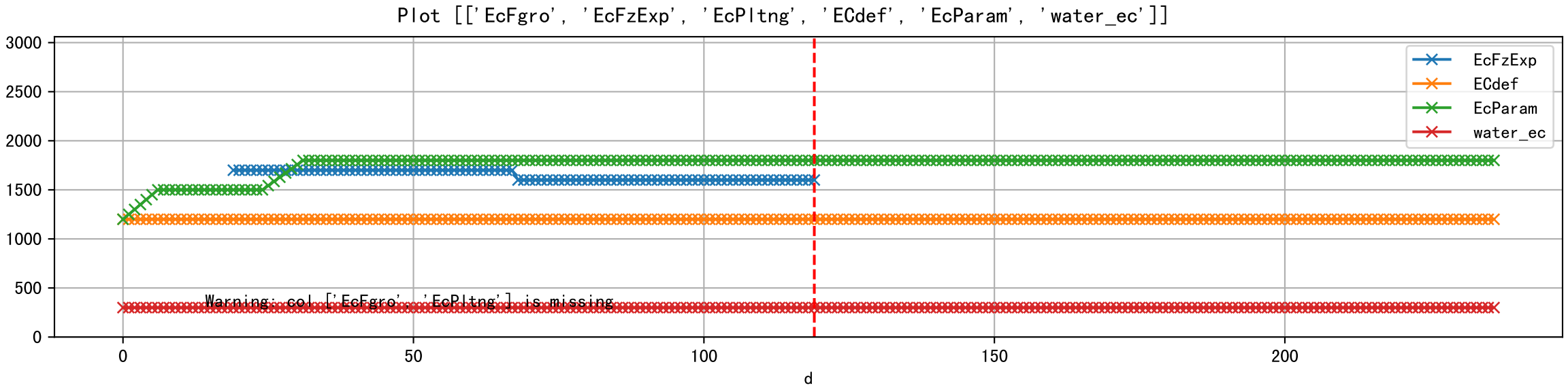

4 (fgArea = NA)
ECI*10%
ECO
d

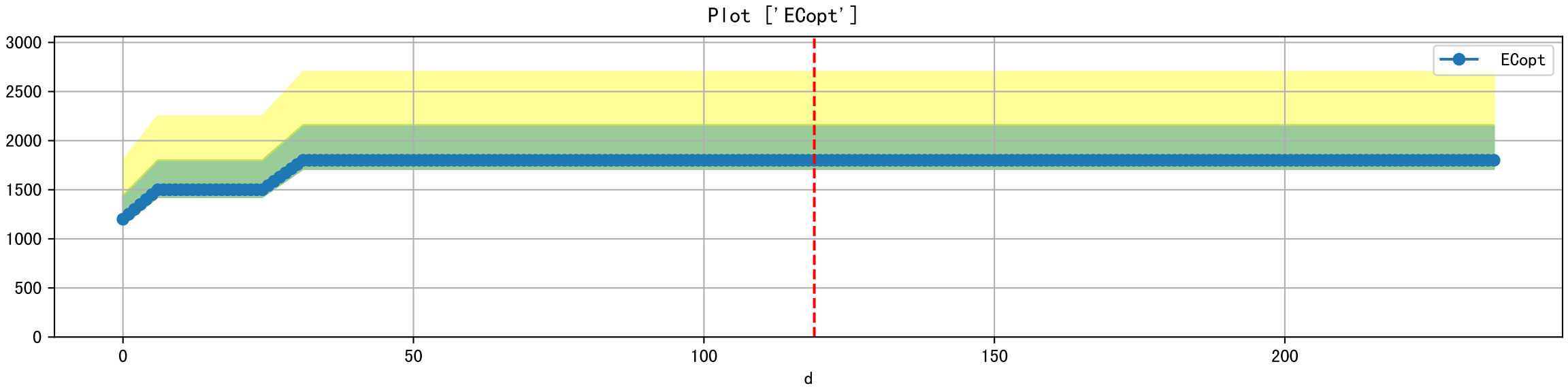

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

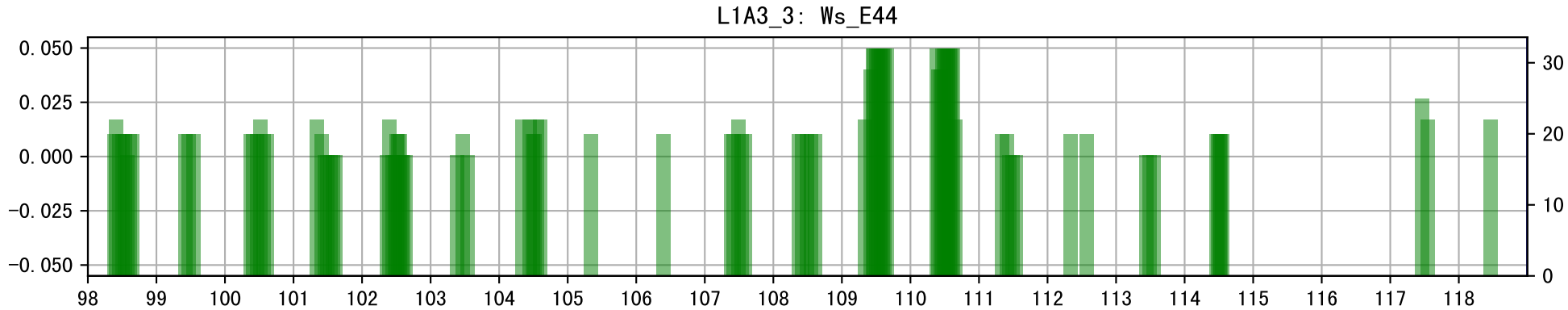

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d


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

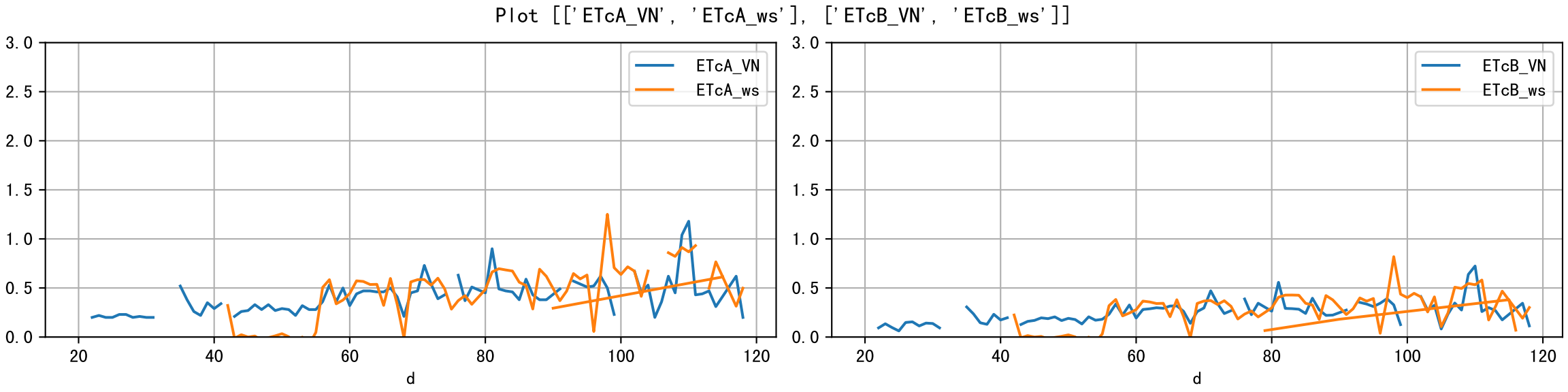

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

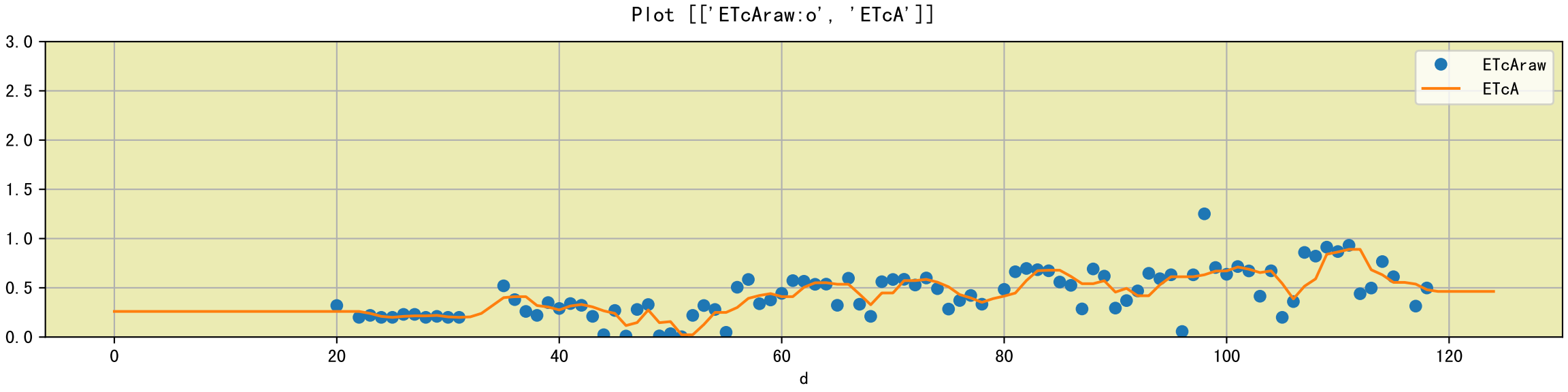

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

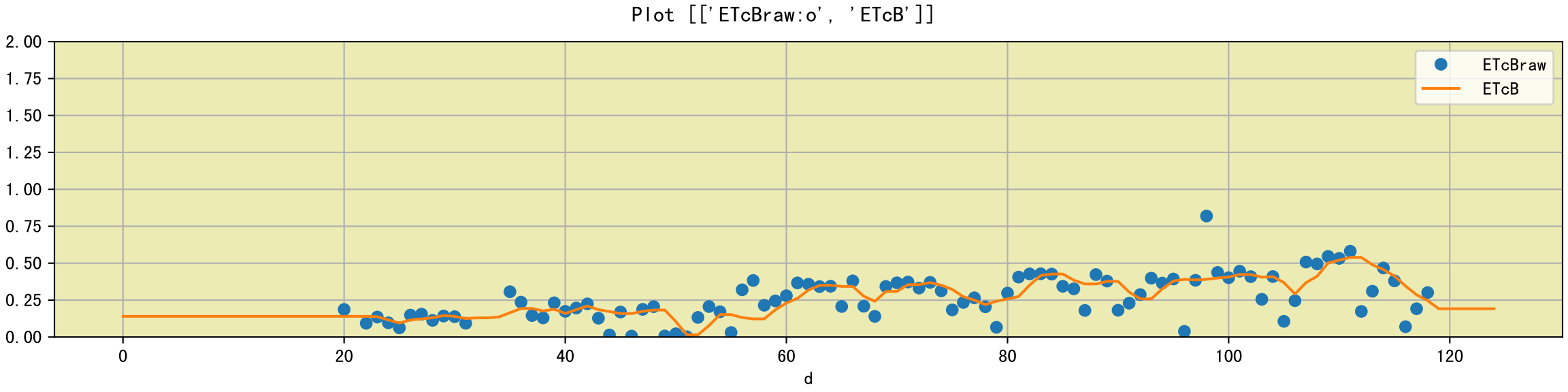

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
30
20
10
0
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118

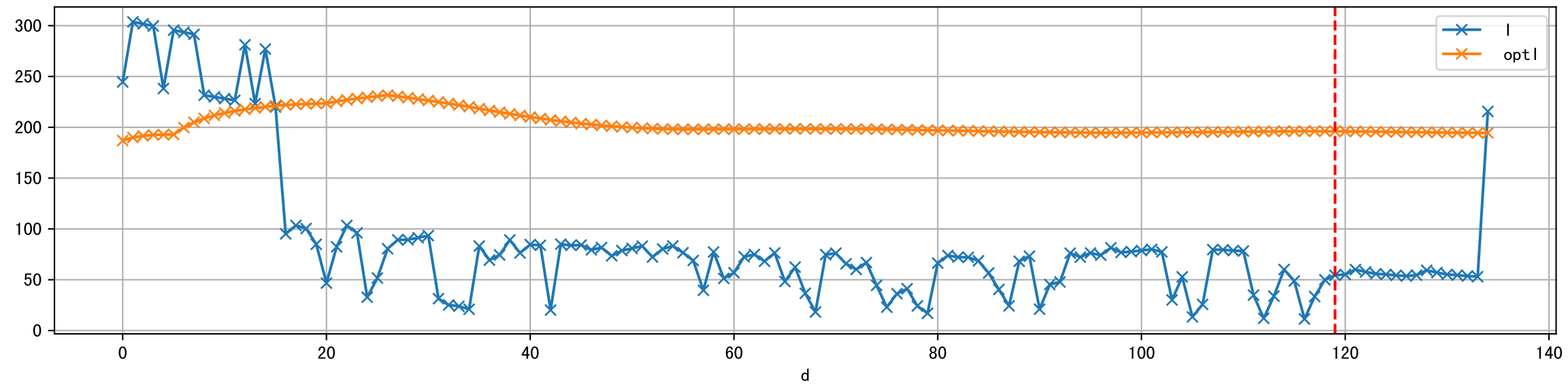

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day


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
d

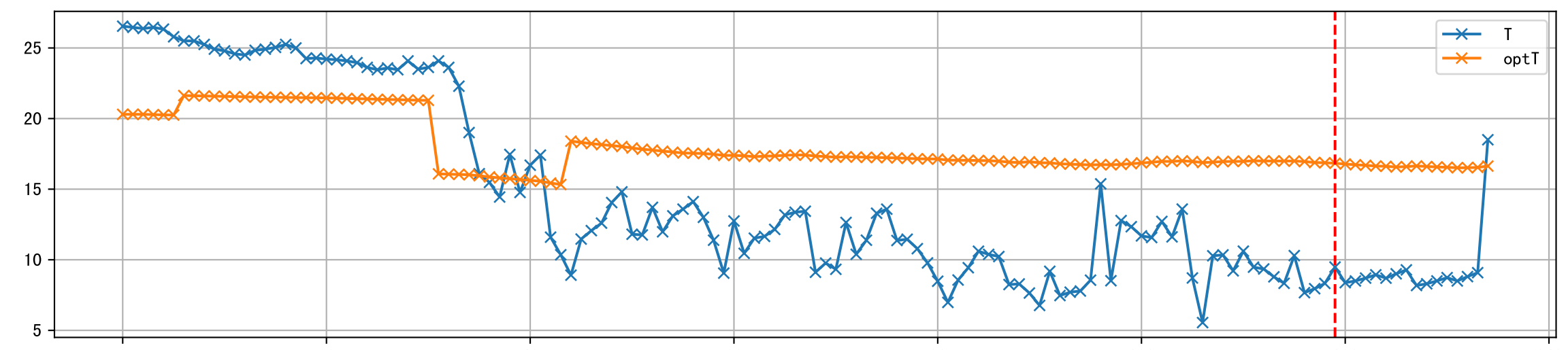

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
d
ETcAraw
ETcA


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
d
ETcBraw
ETcB

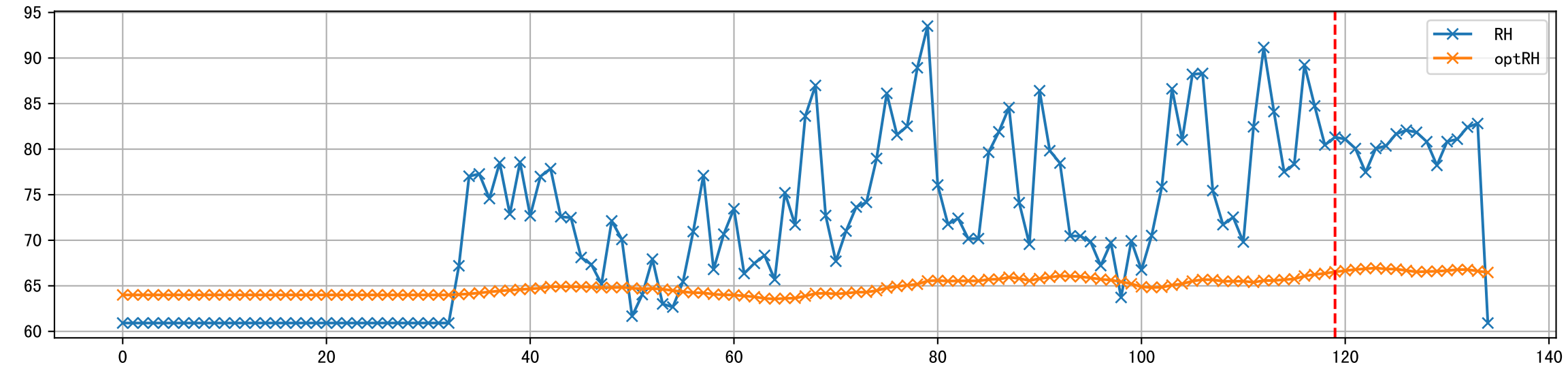
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '



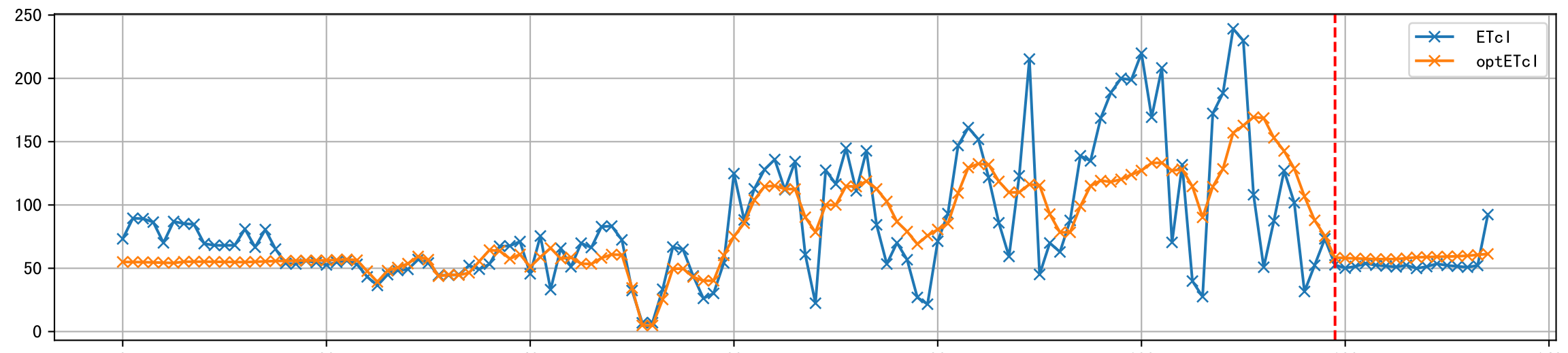
d



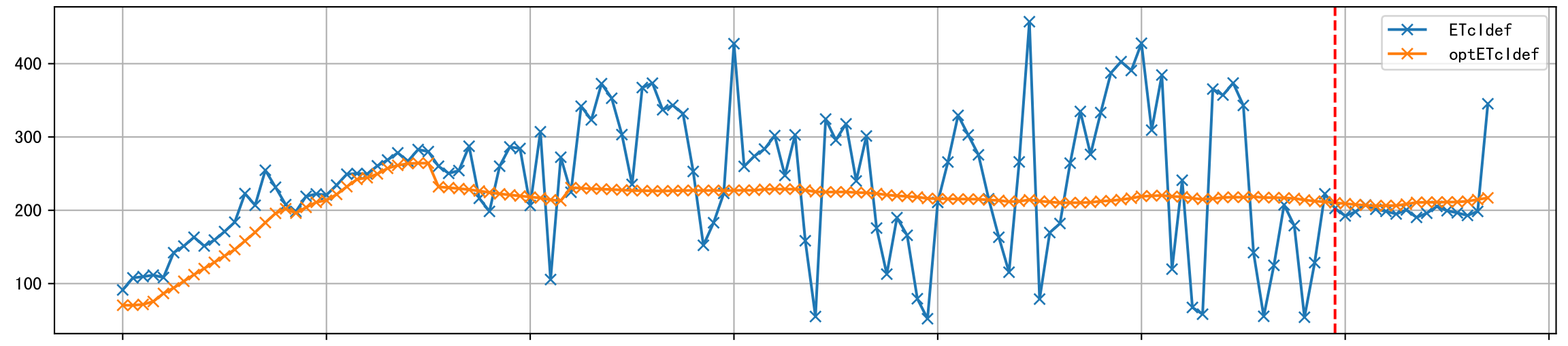
d



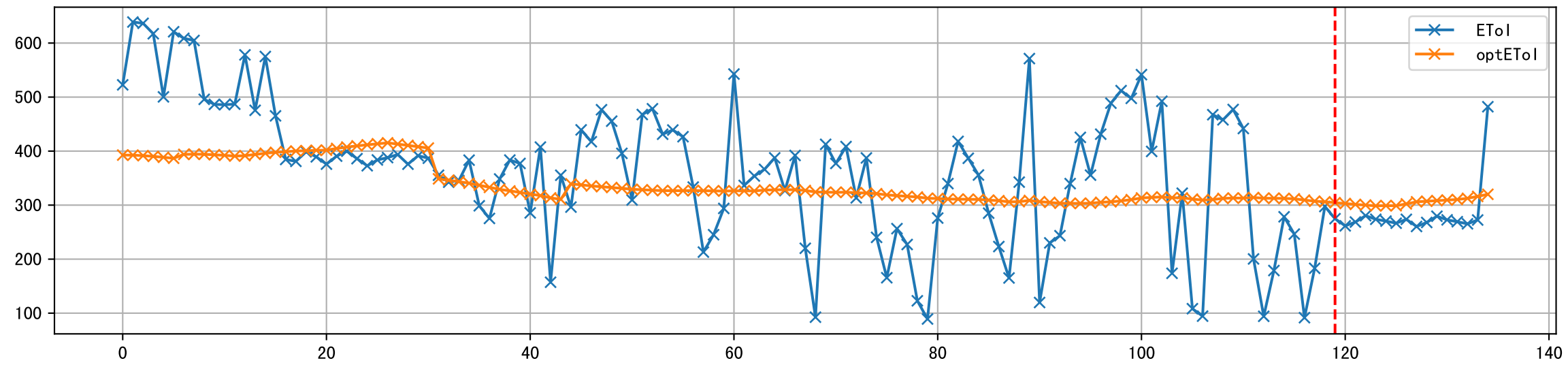
d



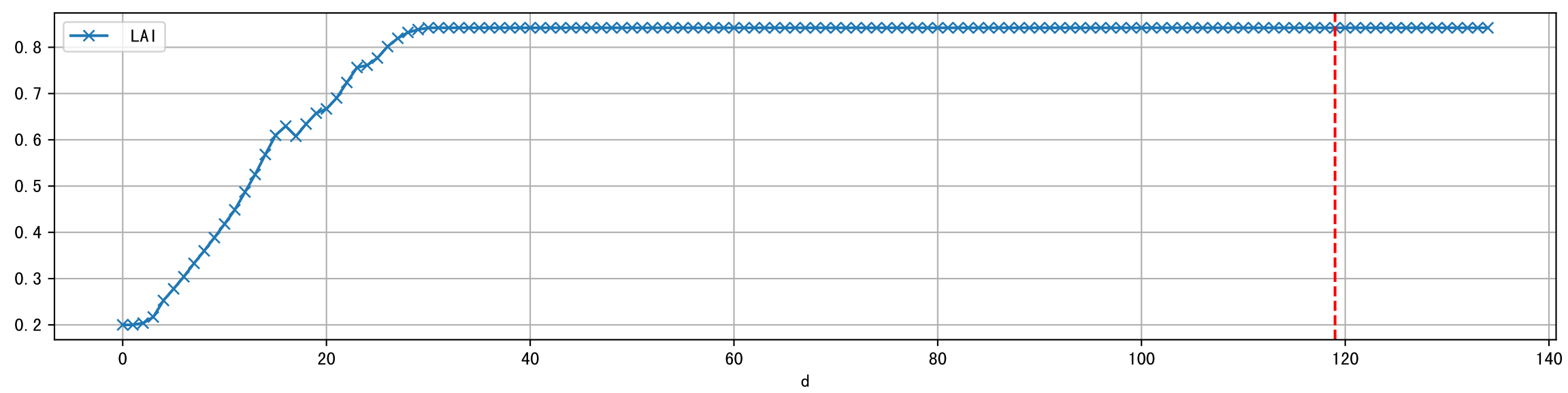
d



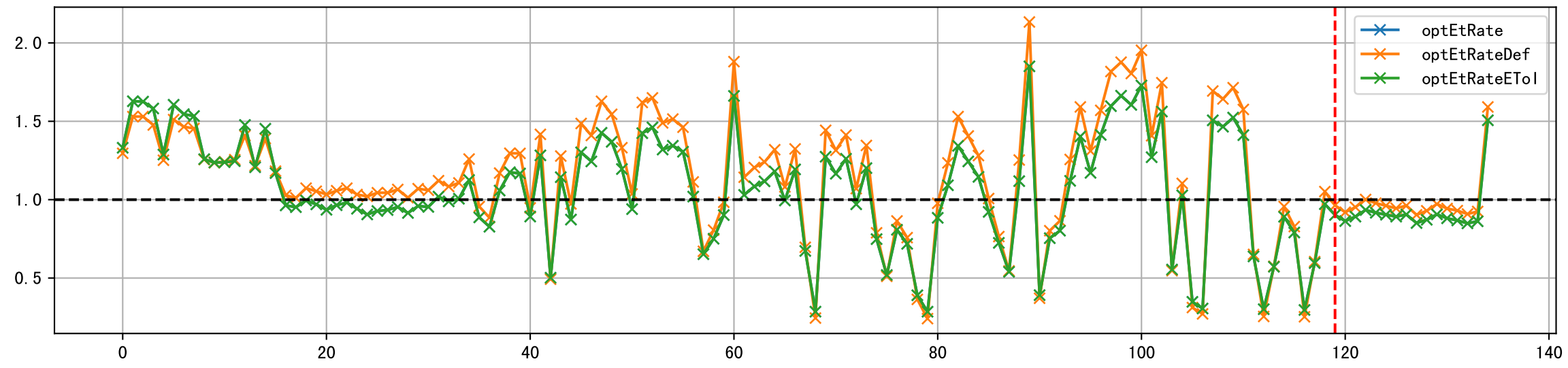
d

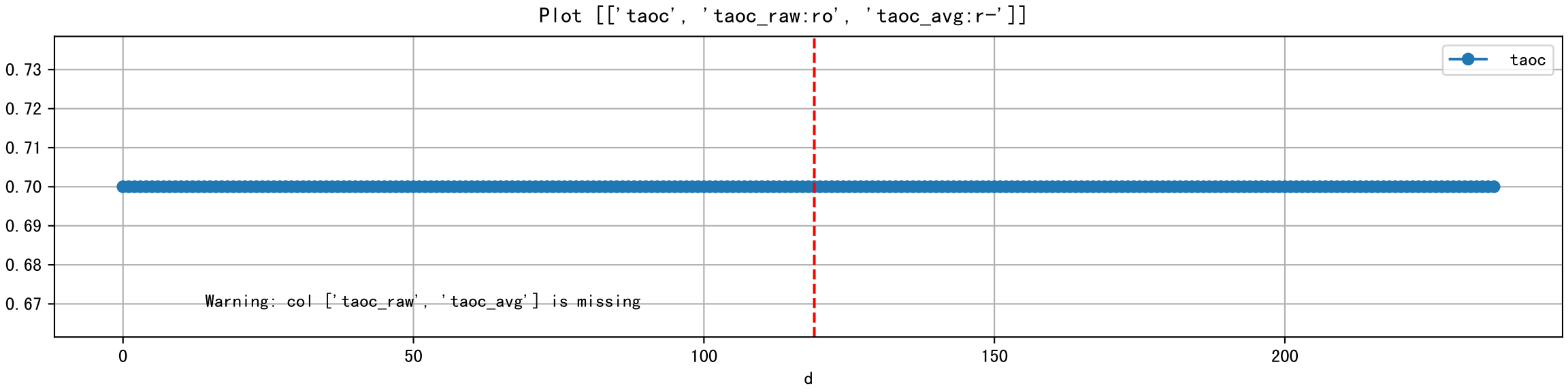


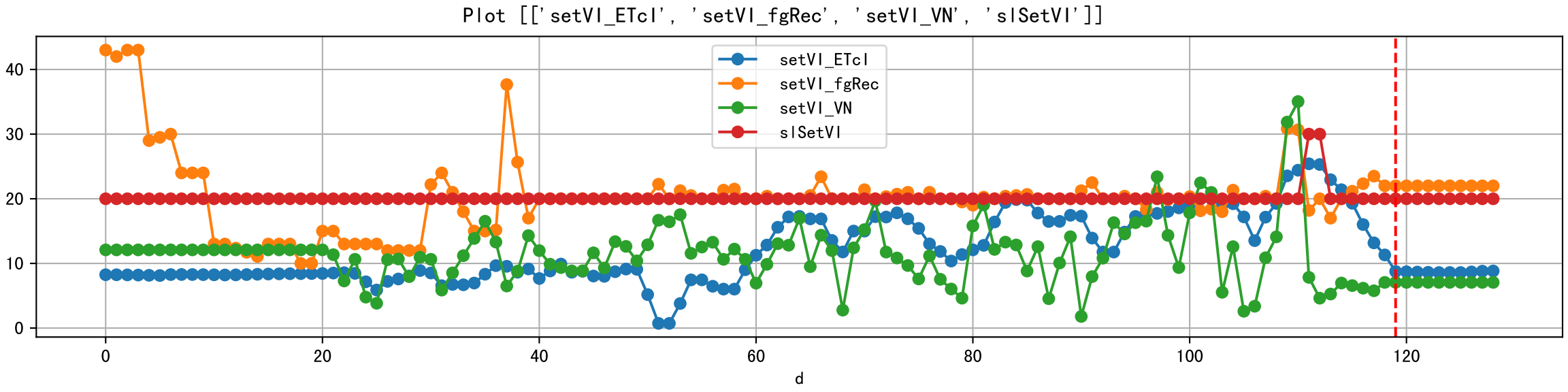
d

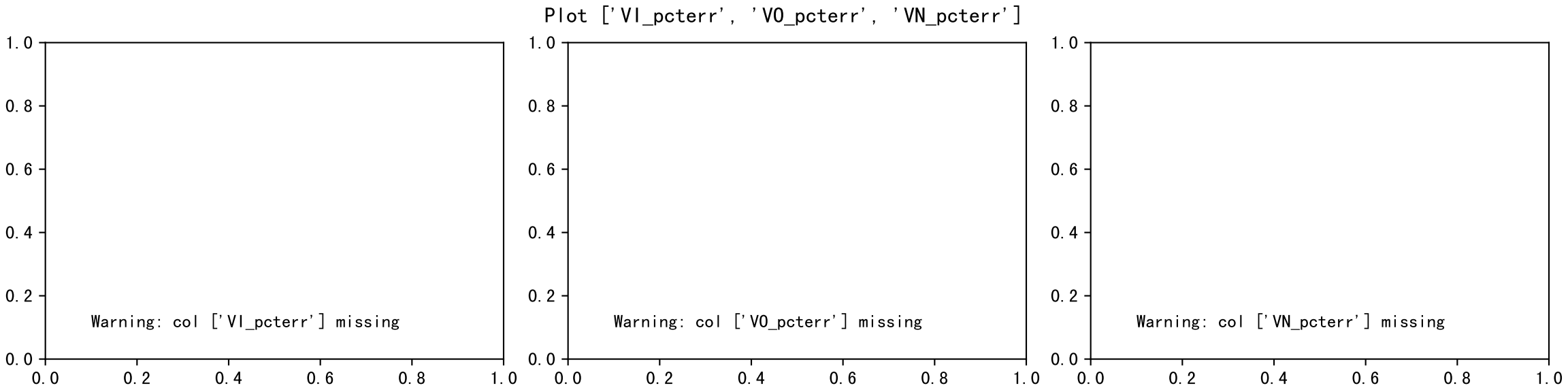


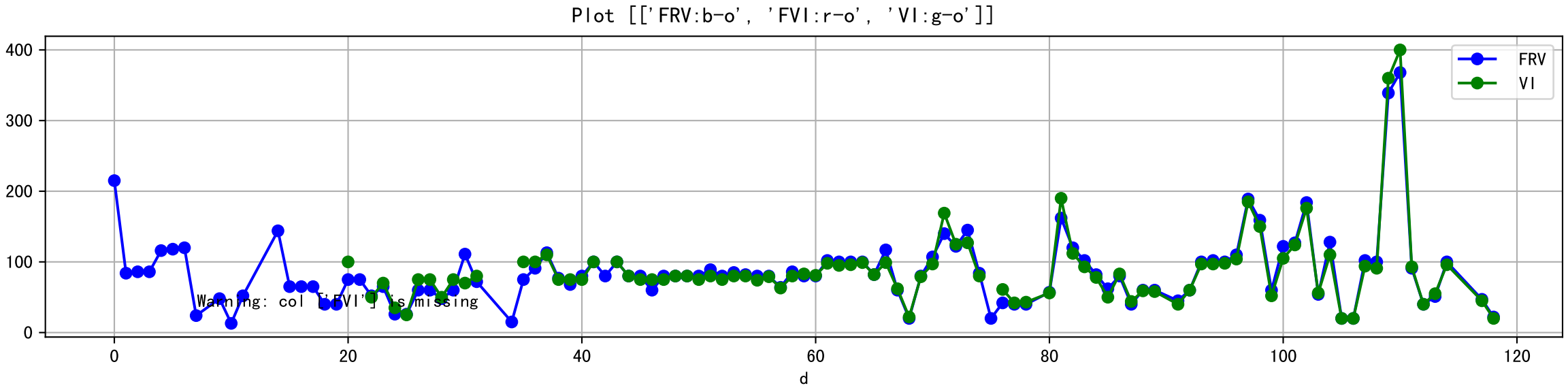
d

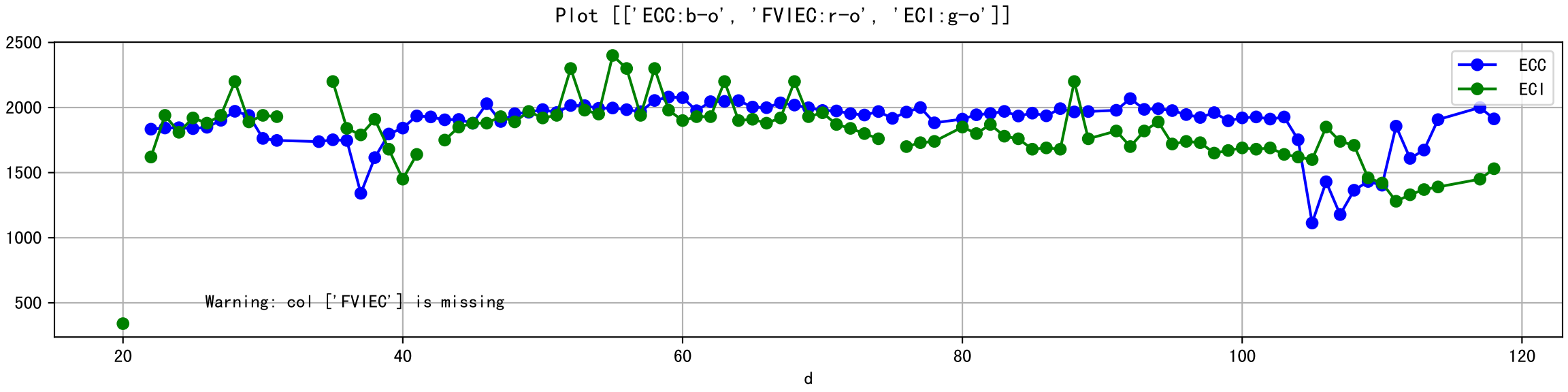


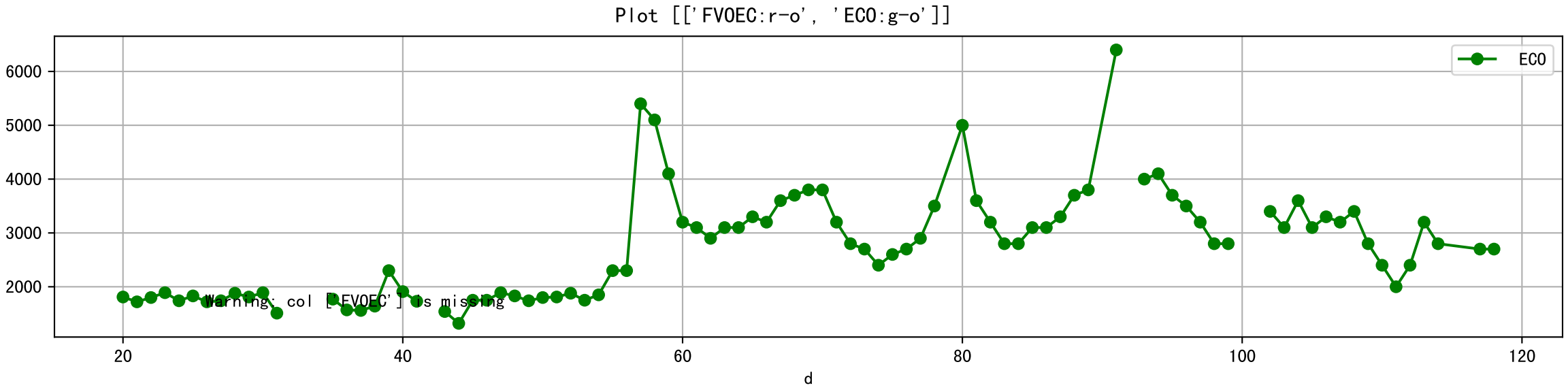

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

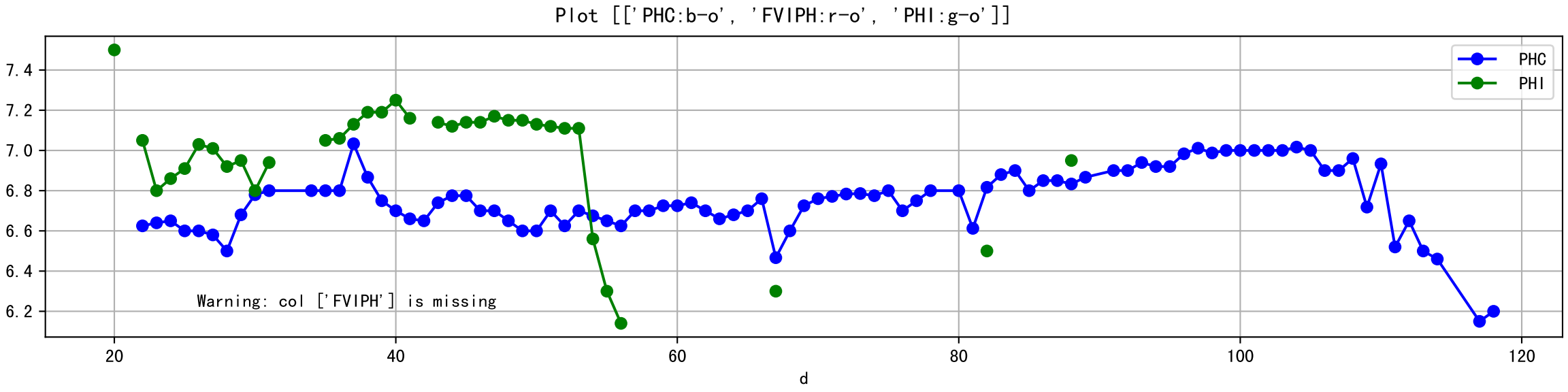

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
0
20
40
60
80
100
120
d

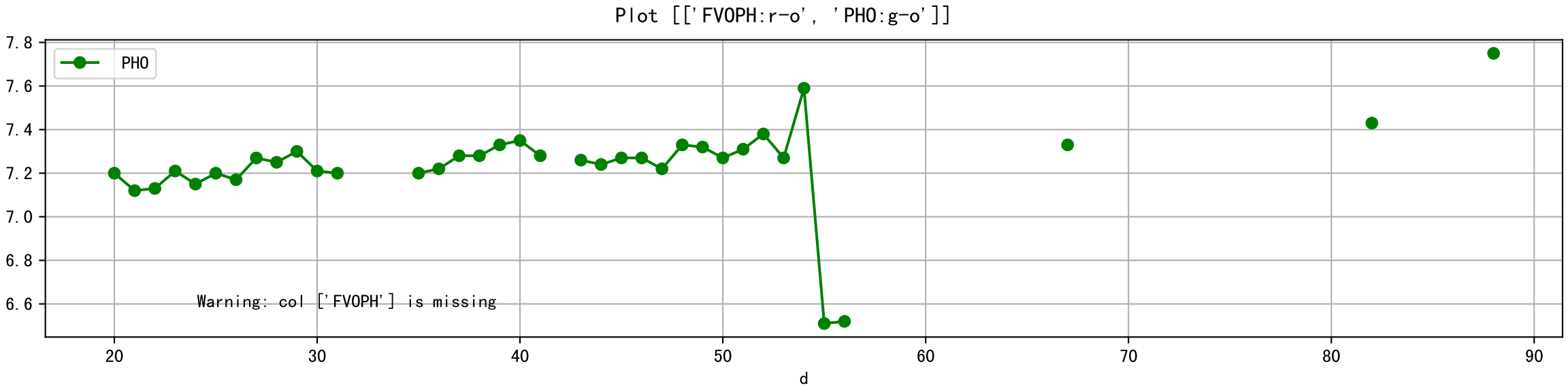

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

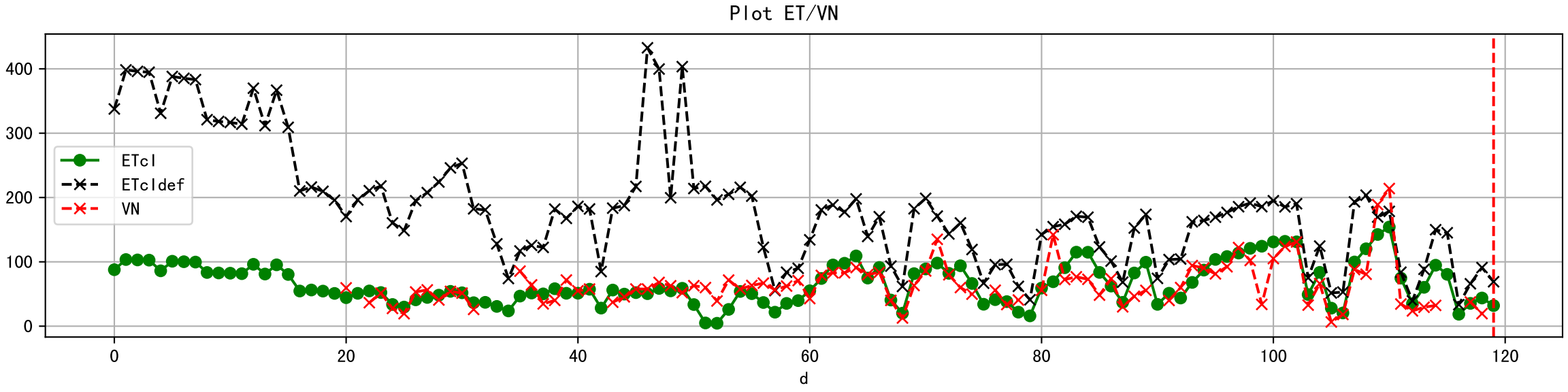

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
0
100
200
300
400
0
20
40
60
80
100
120
d


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

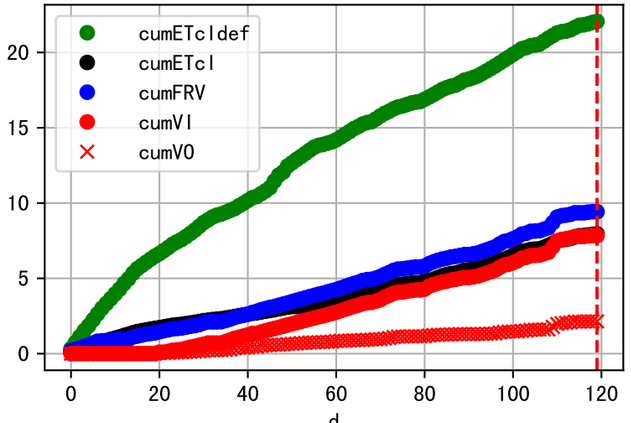

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
d

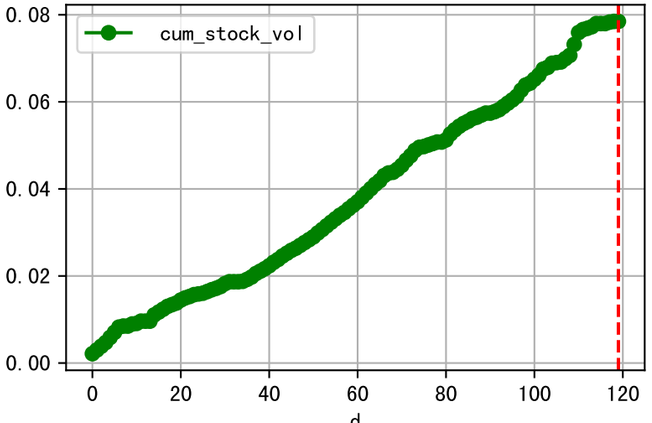

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
d

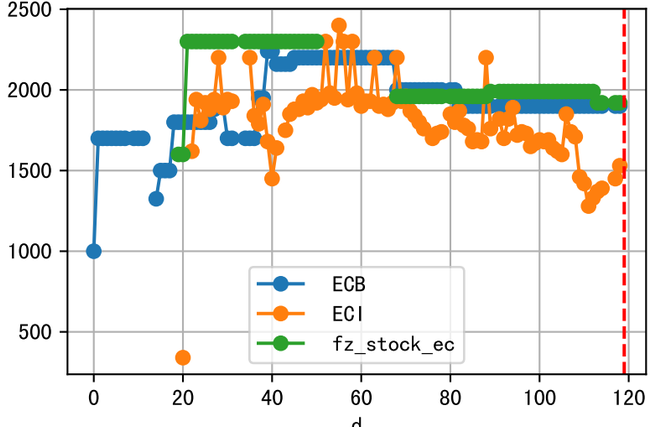

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

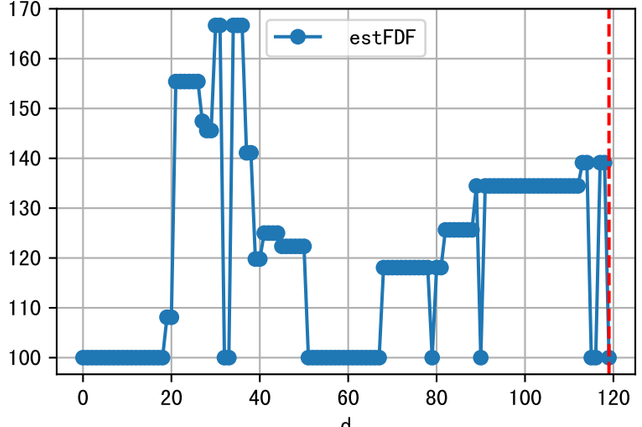

Plot ET/VN
ETcl
ETcldef
VN
0
100
200
300
400
0
20
40
60
80
100
120
d

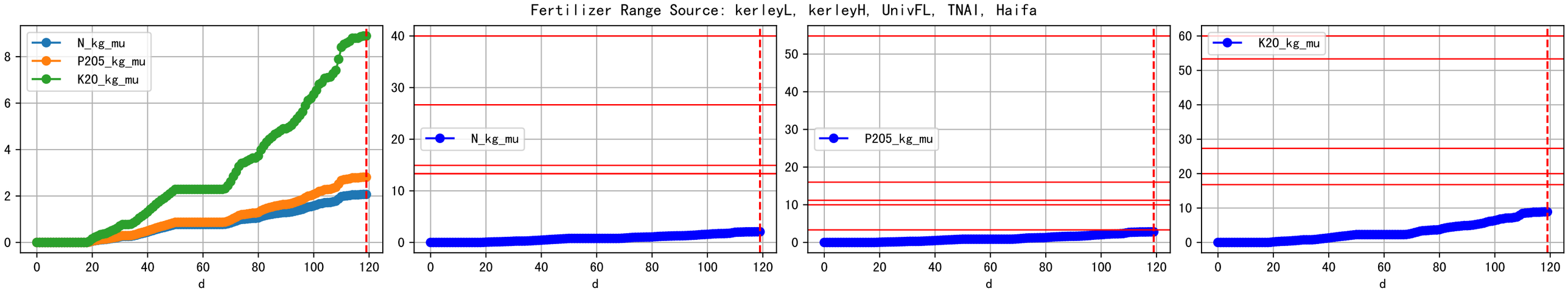
Plot Fv and fertilizer usage

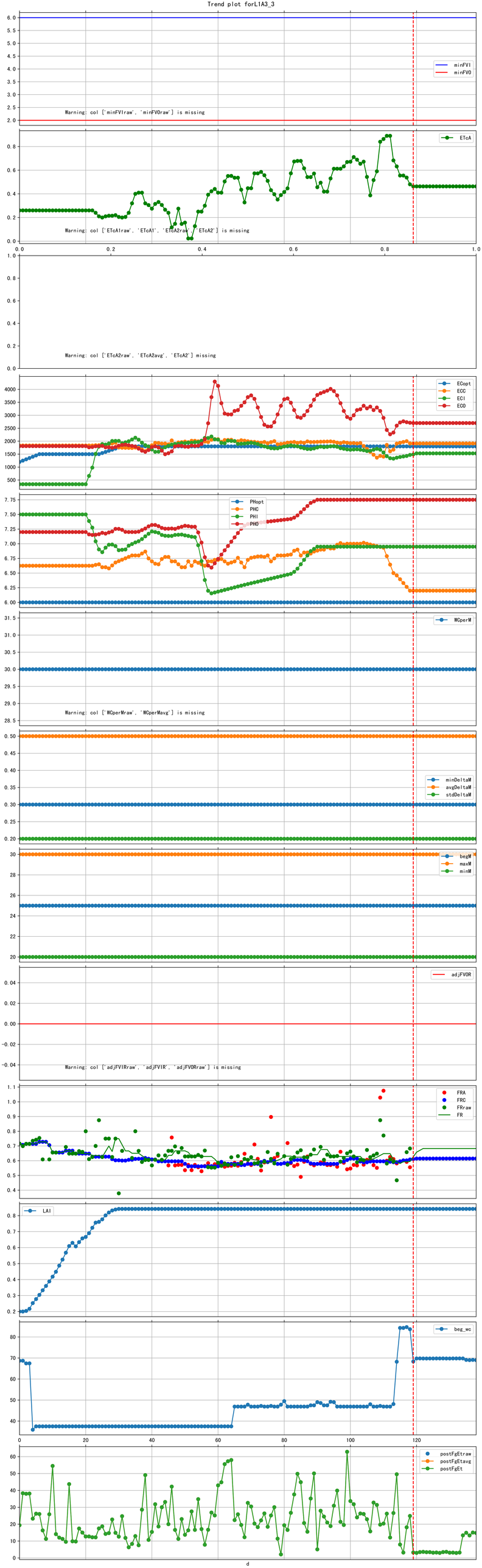


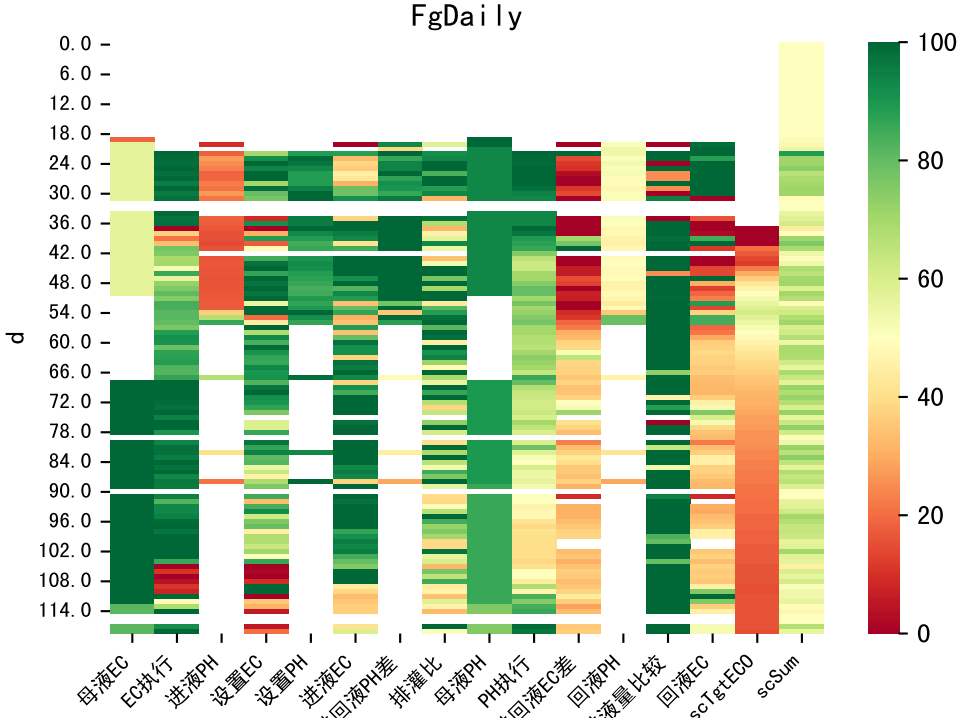




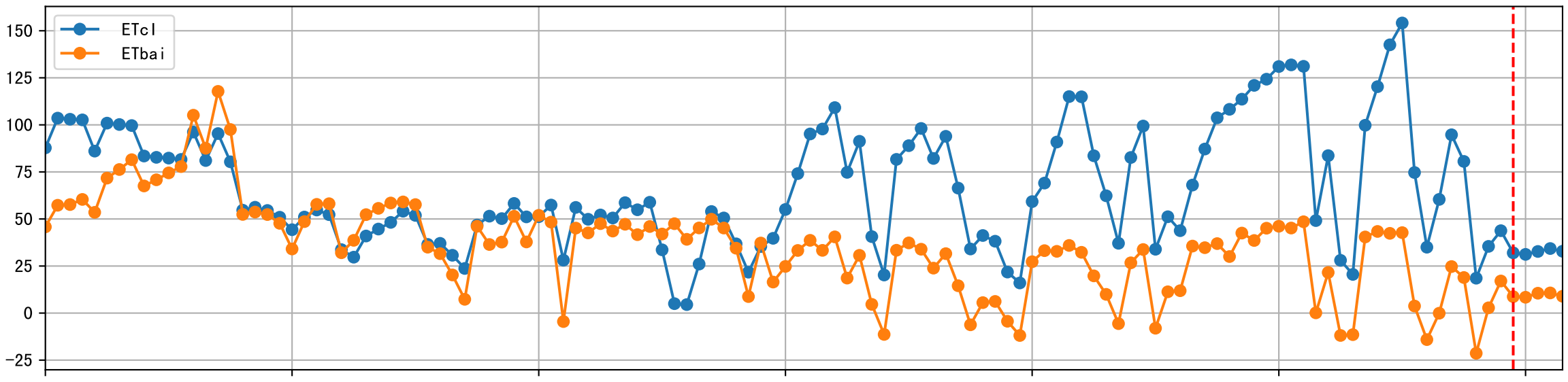


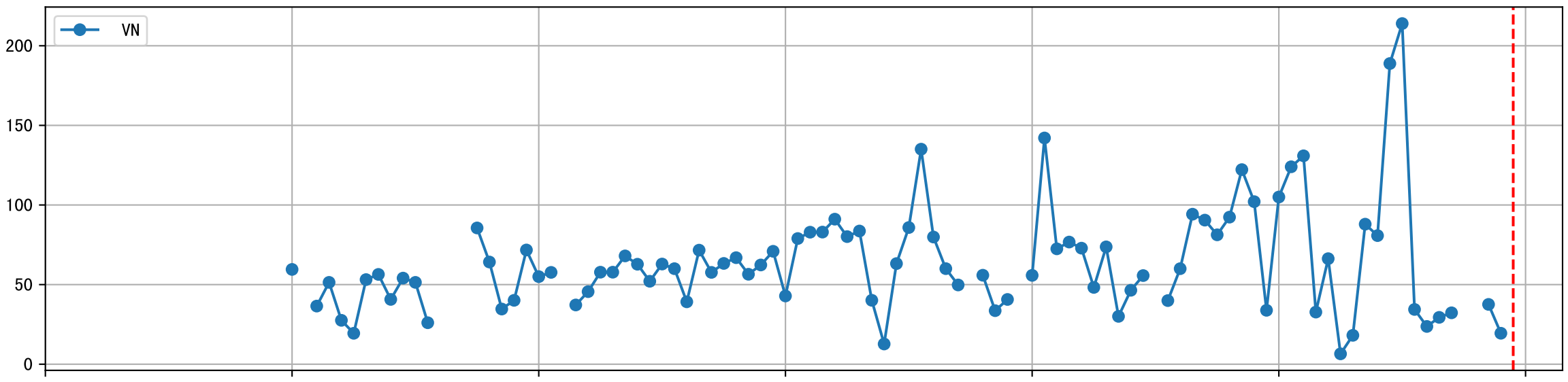

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

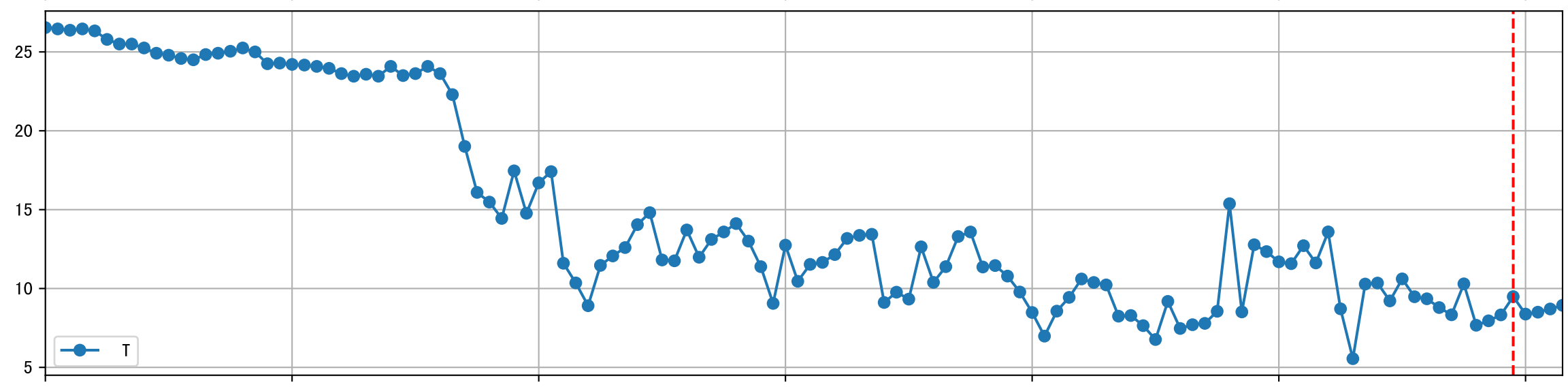

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

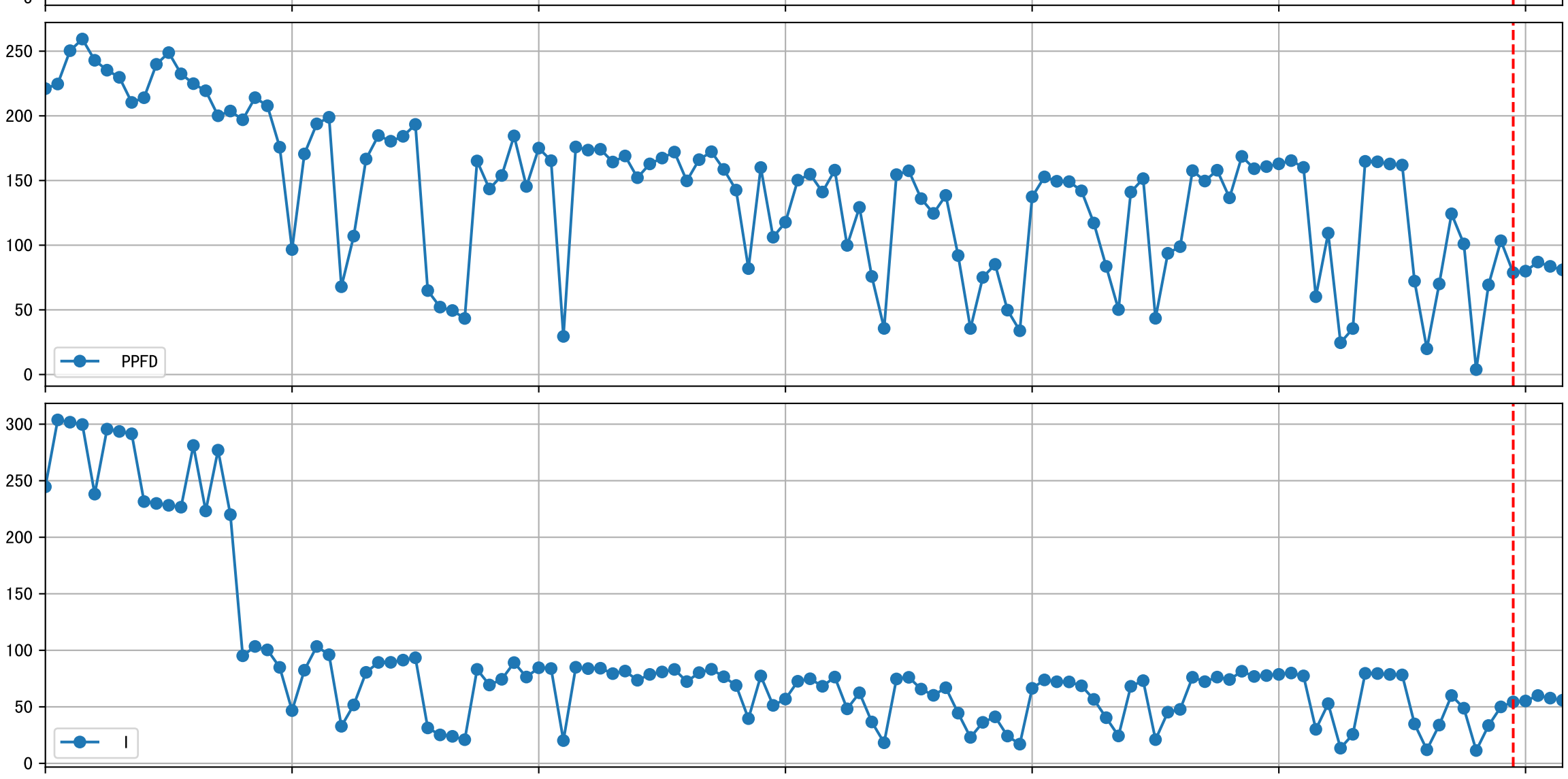

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
114.0
母液EC
EC执行
进液PH
设置EC
设置PH
进液EC
回液PH差
排灌比
母液PH
PH执行
回液EC差
回液PH
回液EC
scSum
100
80
60
40
20
0

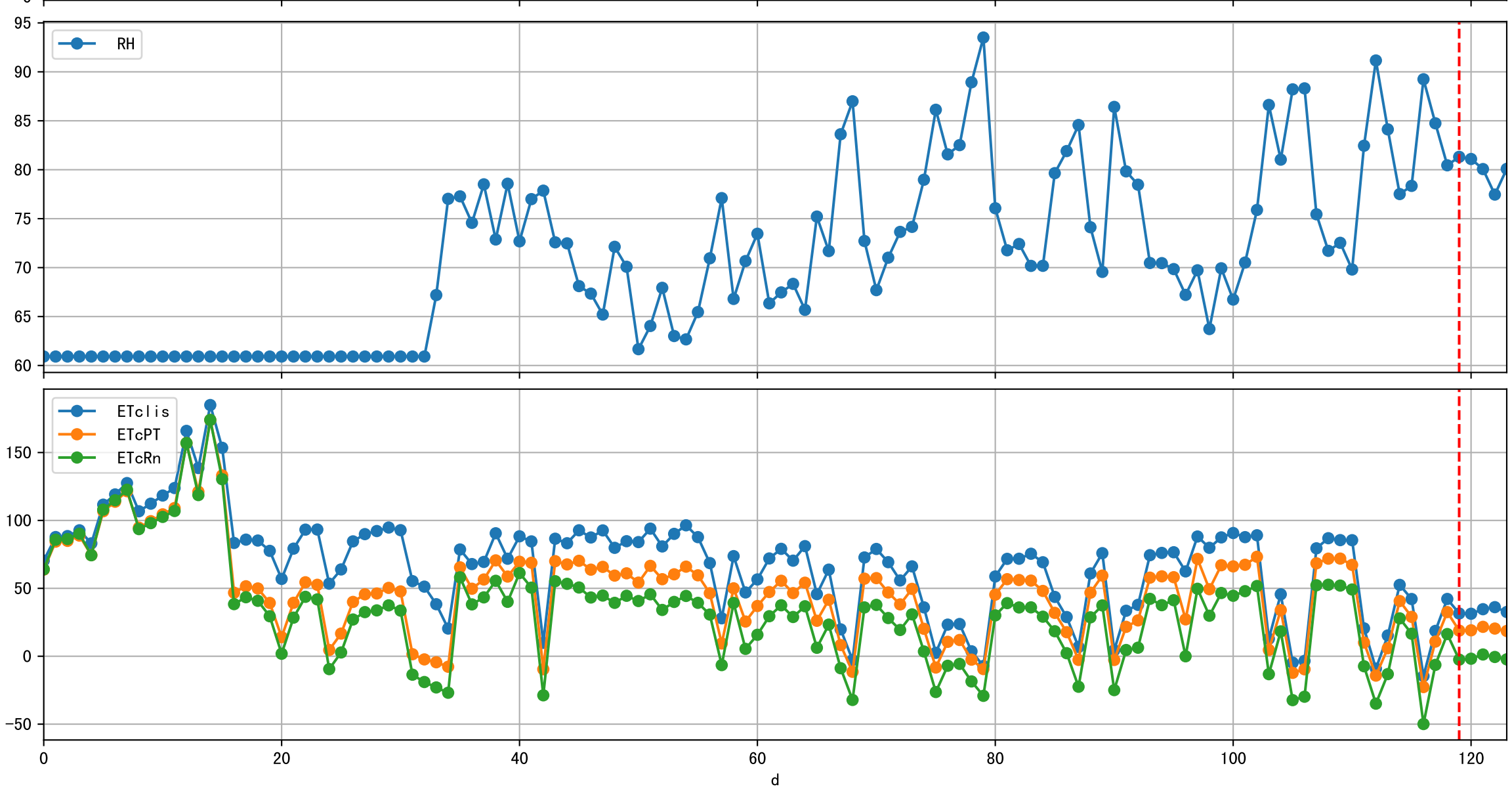
L1A3_3

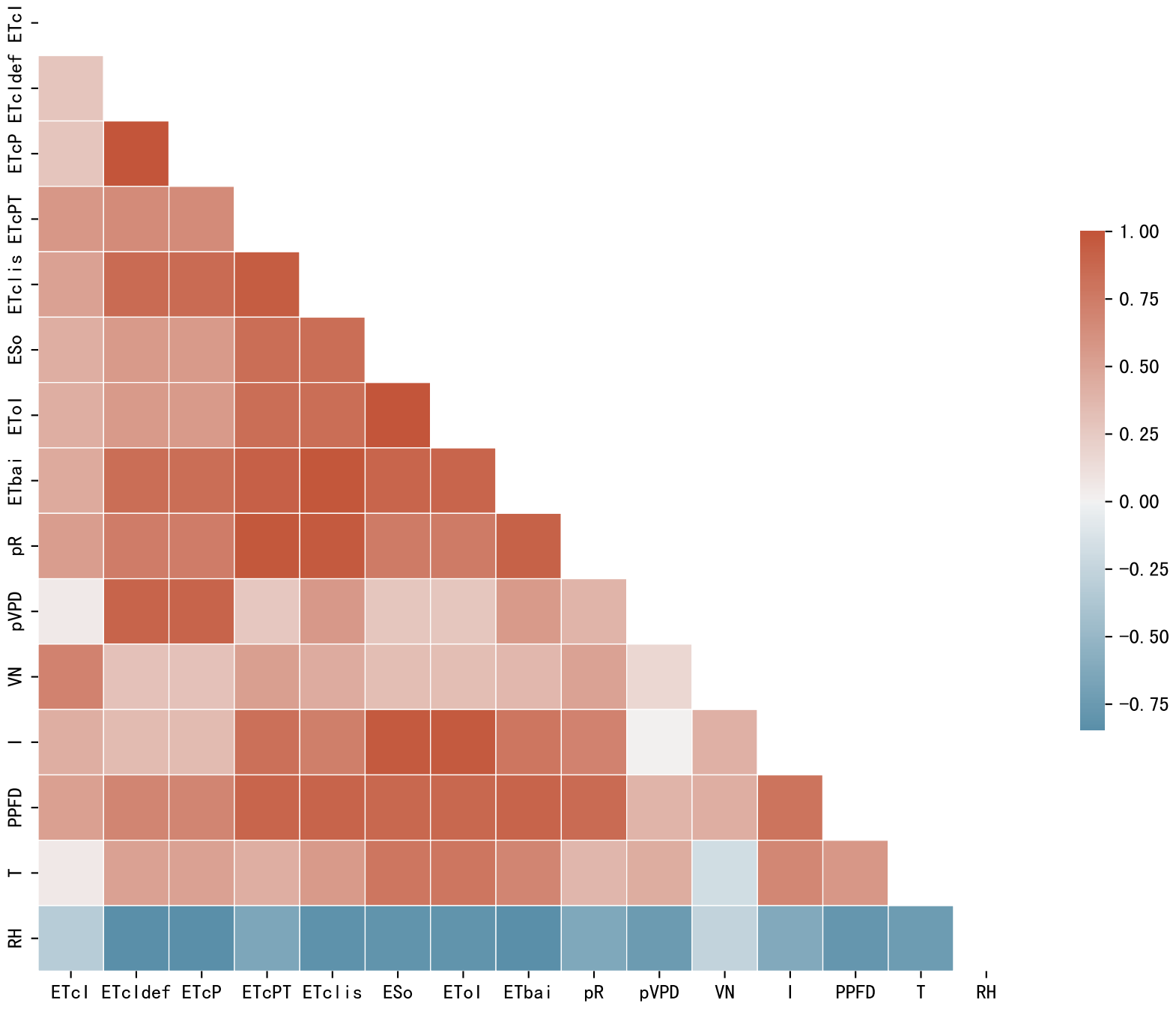


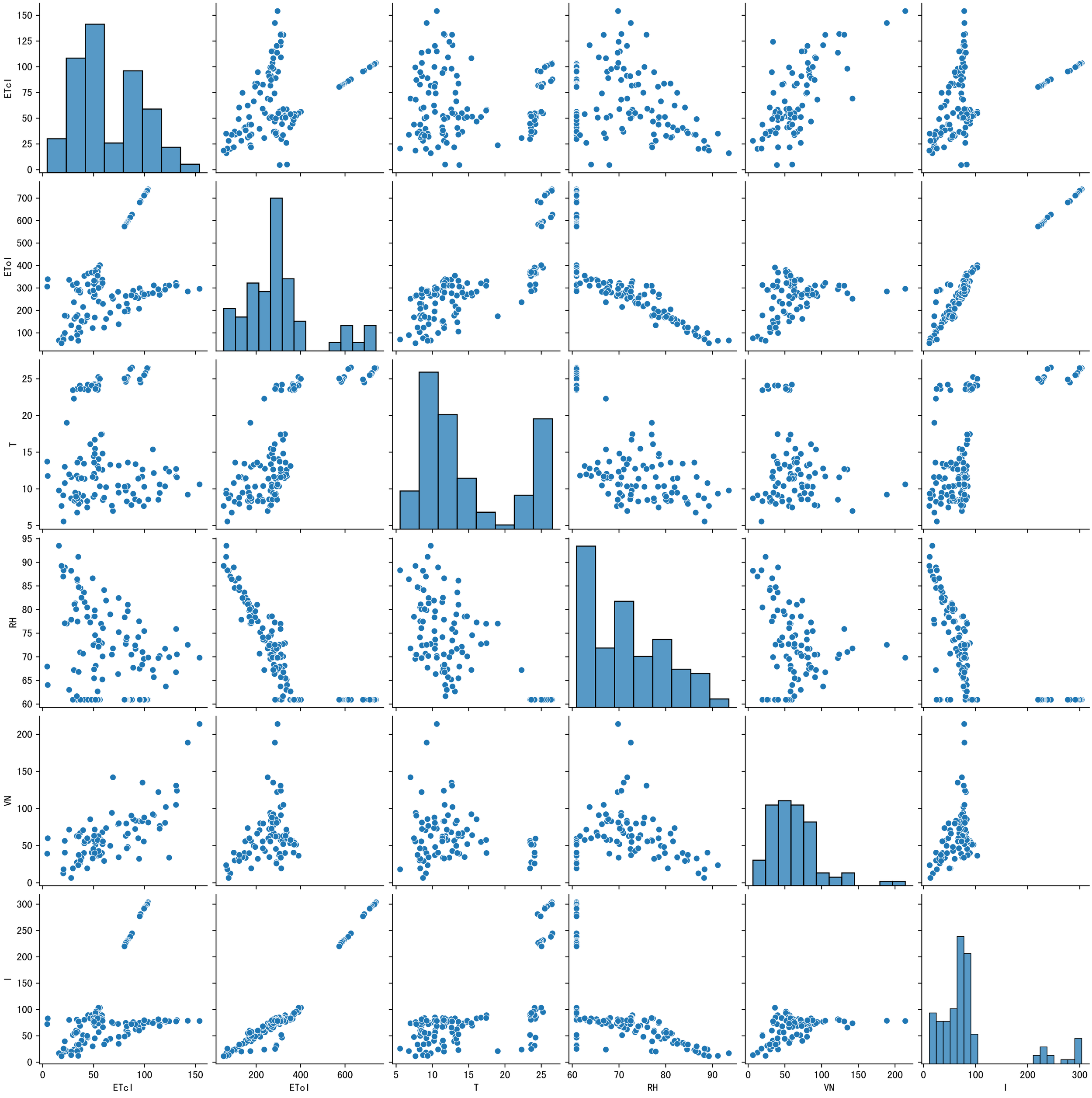


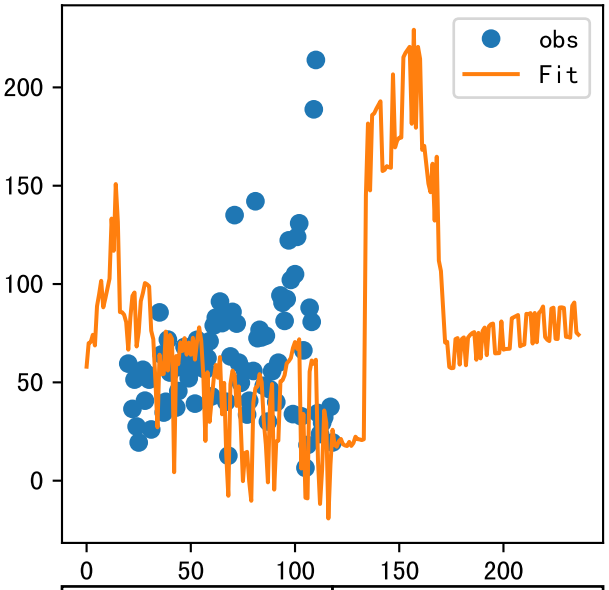


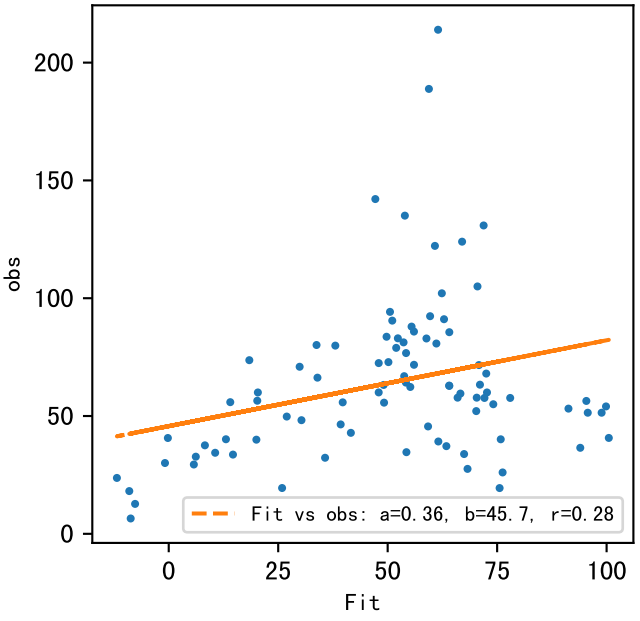




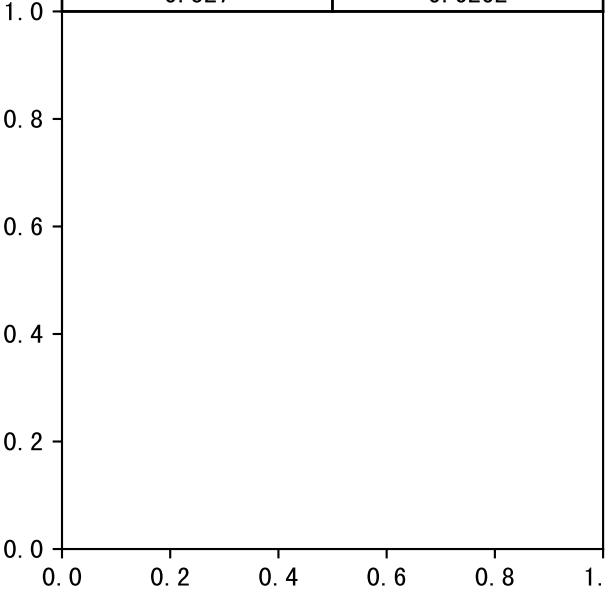

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

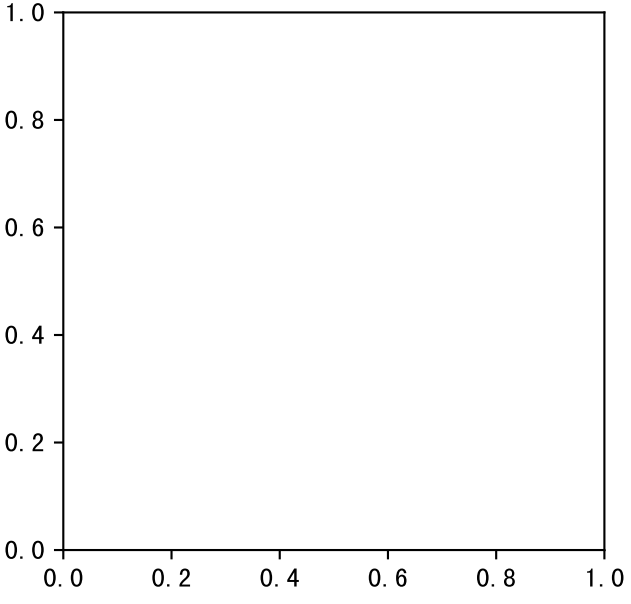

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

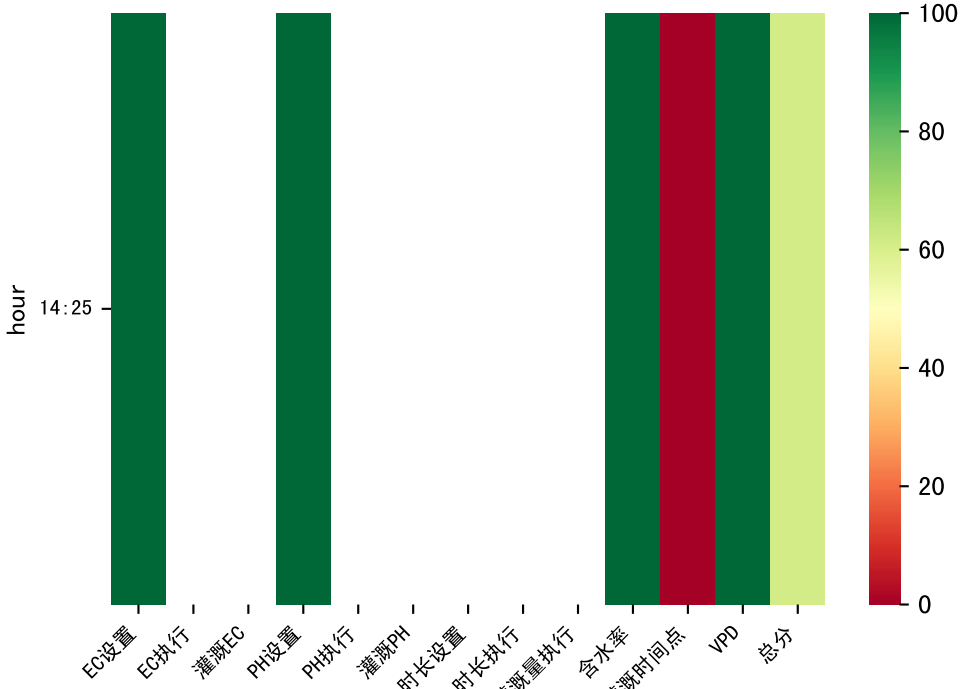




baiA	baiB
0.527	0.0202

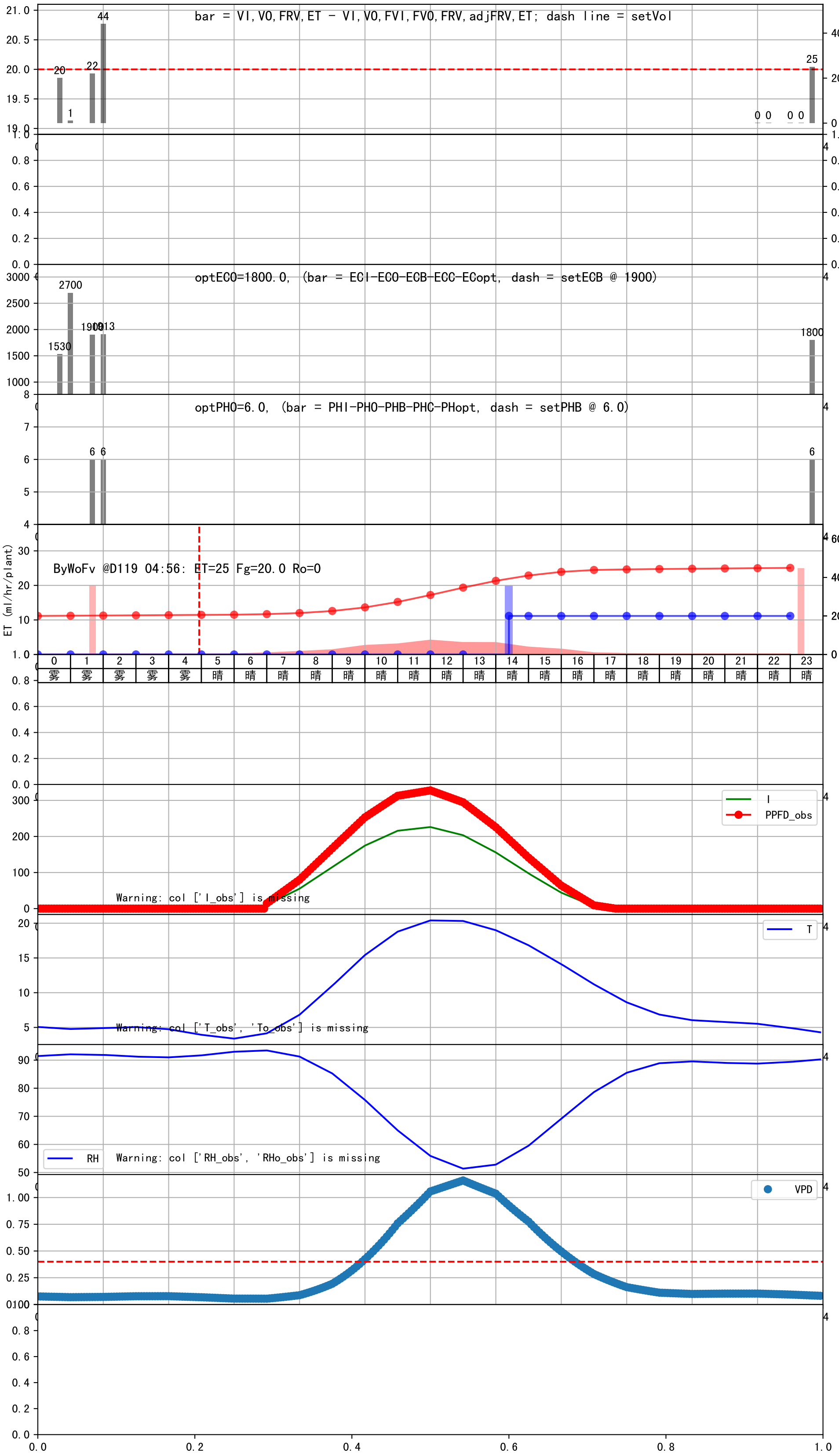


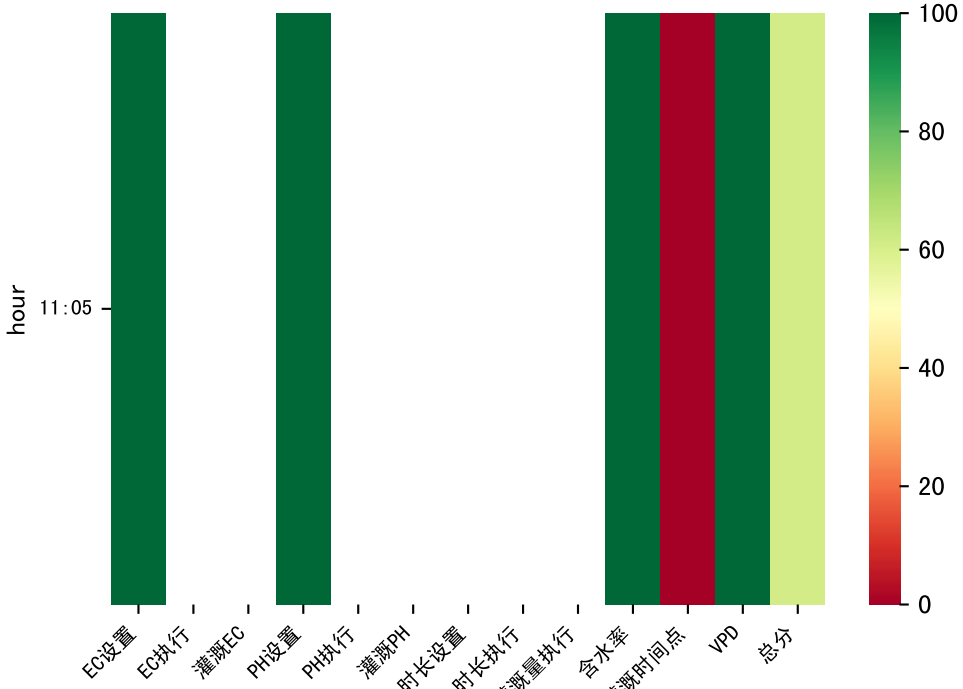



hour
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
14:25	32	20.0	0.081	晴	预期@14:25 自主（未用传感器）
总计	32.0 (1次)	20.0			建议进液EC：1900， PH：6.0

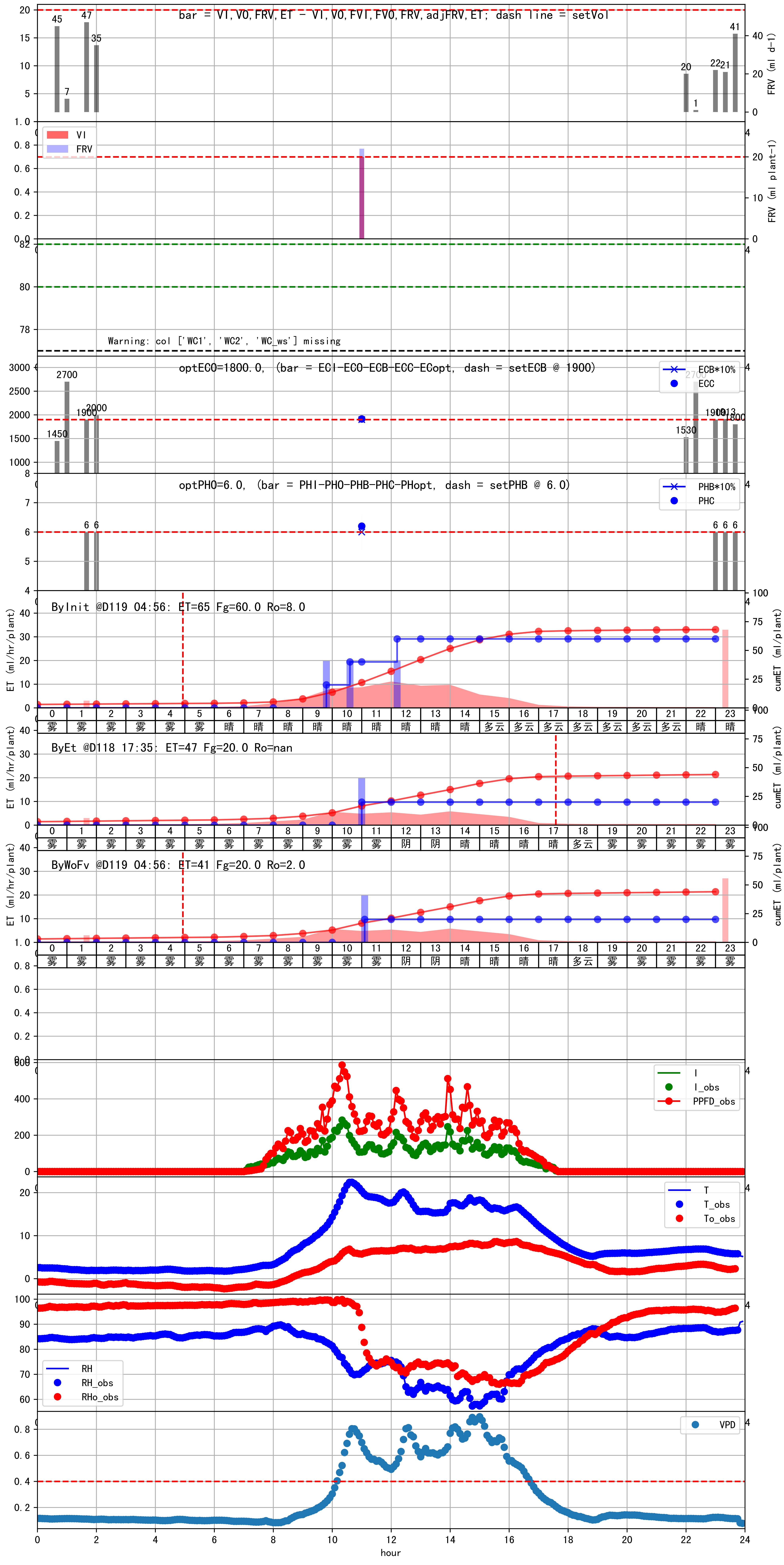
L1A3_3, Day=119 (2026-02-02)

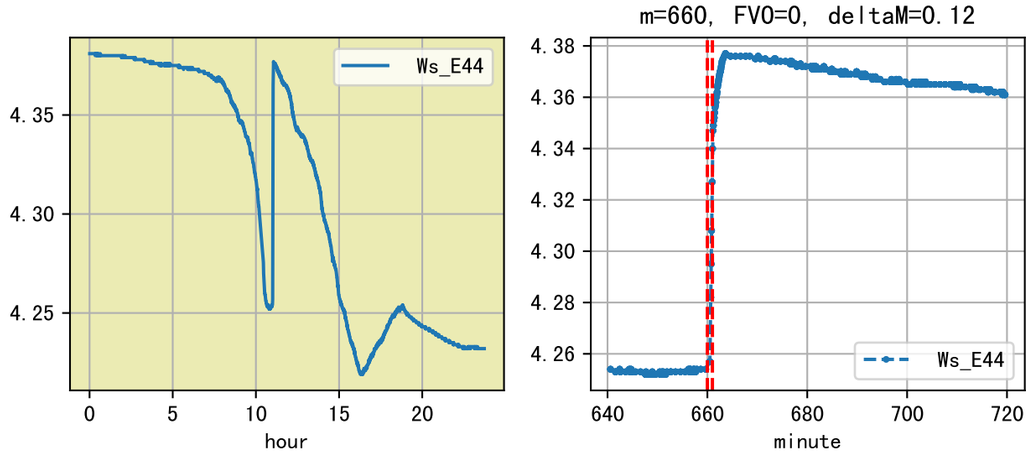


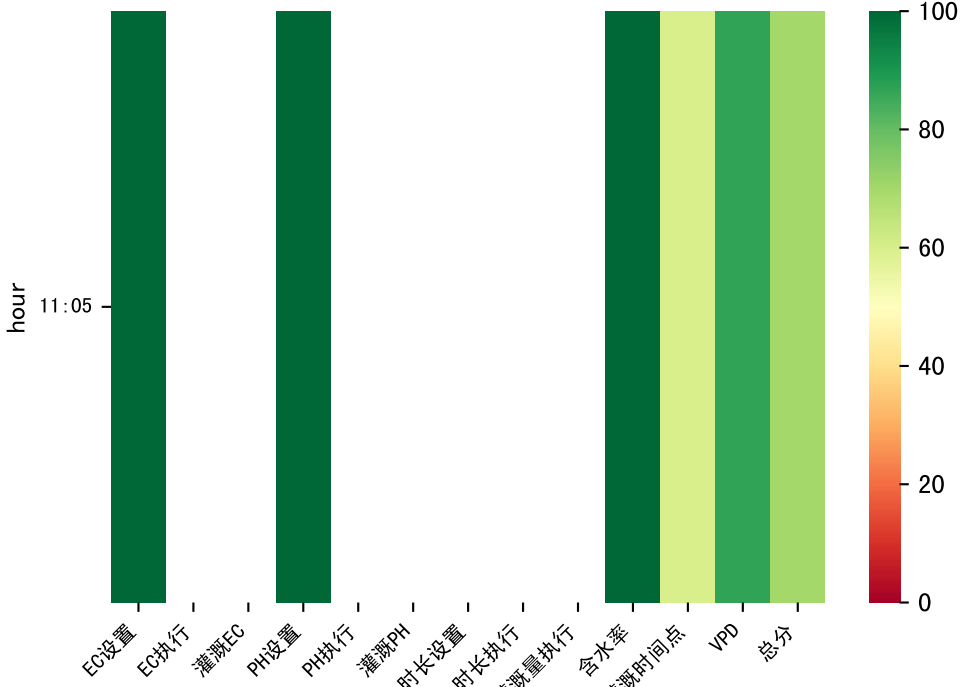

hour
11:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
11:05	36	20.0	0.081	雾	假设@11:05 自动（未用传感器）
总计	36.0 (1次)	20.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=118.0 (2026-02-01)



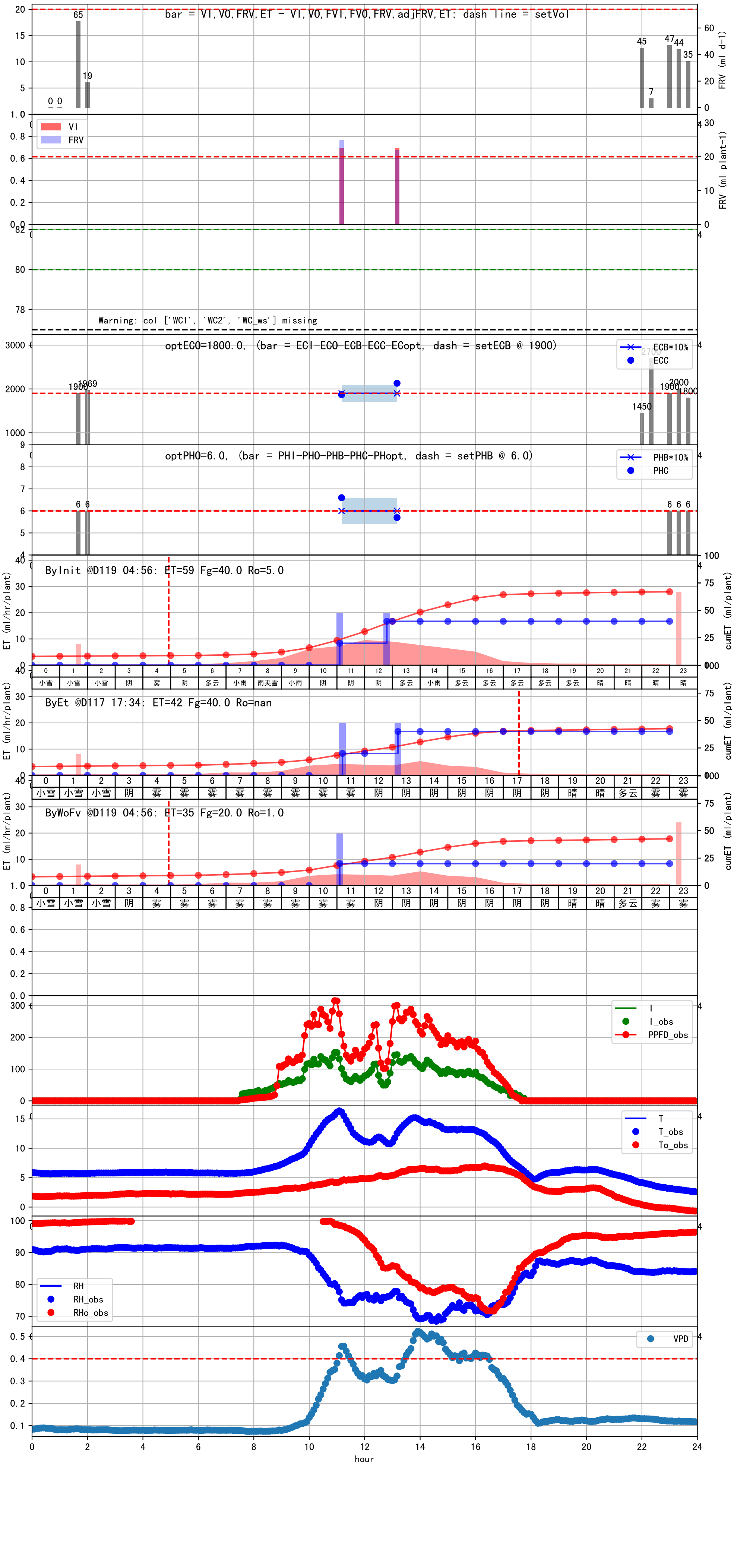

m=660, FV0=0, deltaM=0.12
Ws_E44
4.35
4.30
4.25
0
5
10
15
20
hour
4.38
4.36
4.34
4.32
4.30
4.28
4.26
640
660
680
700
720
minute
Ws_E44

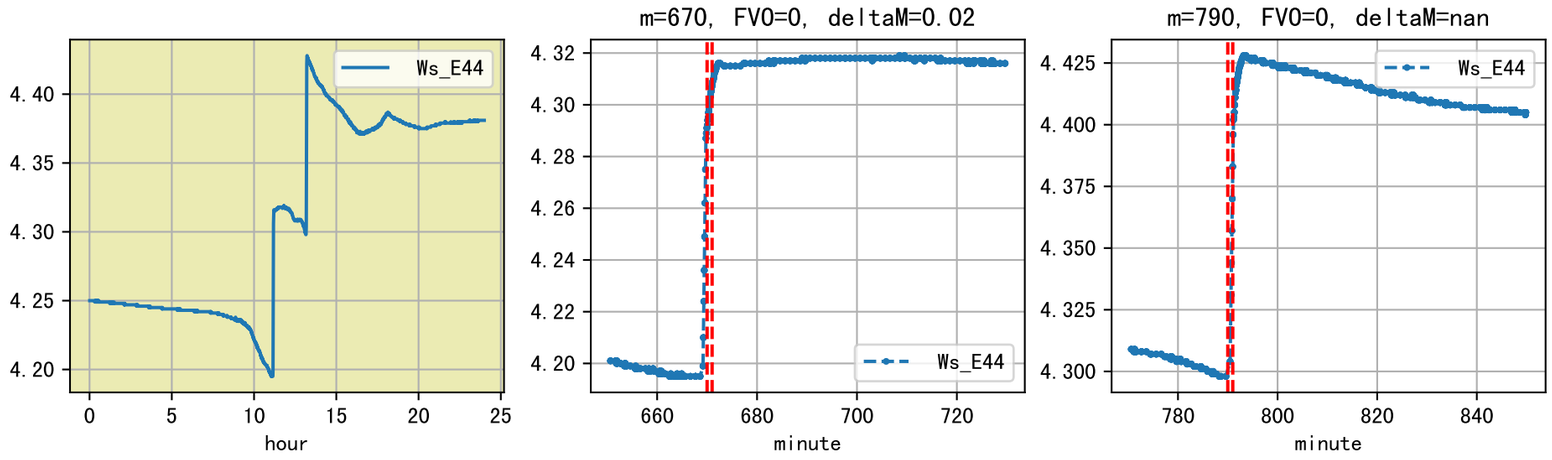

hour
11:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

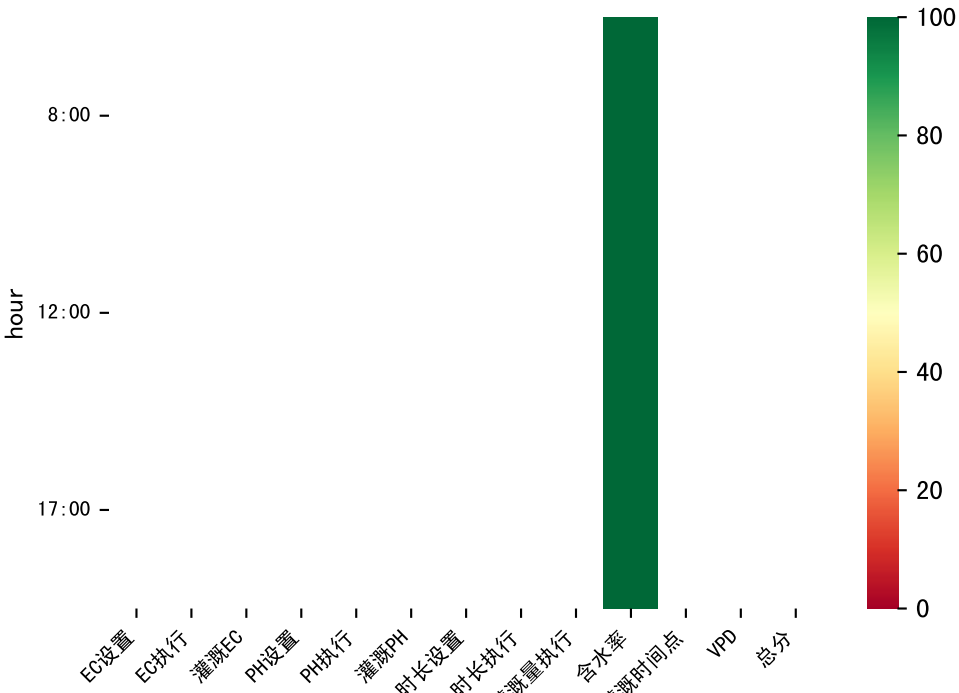
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
11:05	38	20.0	0.081	雾	假设@11:05 自动（未用传感器）
总计	38.0 (1次)	20.0			建议进液EC：1900， PH：6.0

上次灌溉时长未按模型建议(38 vs 34.0))
默认实际灌溉22.0 ml.

L1A3_3, Day=117.0 (2026-01-31)

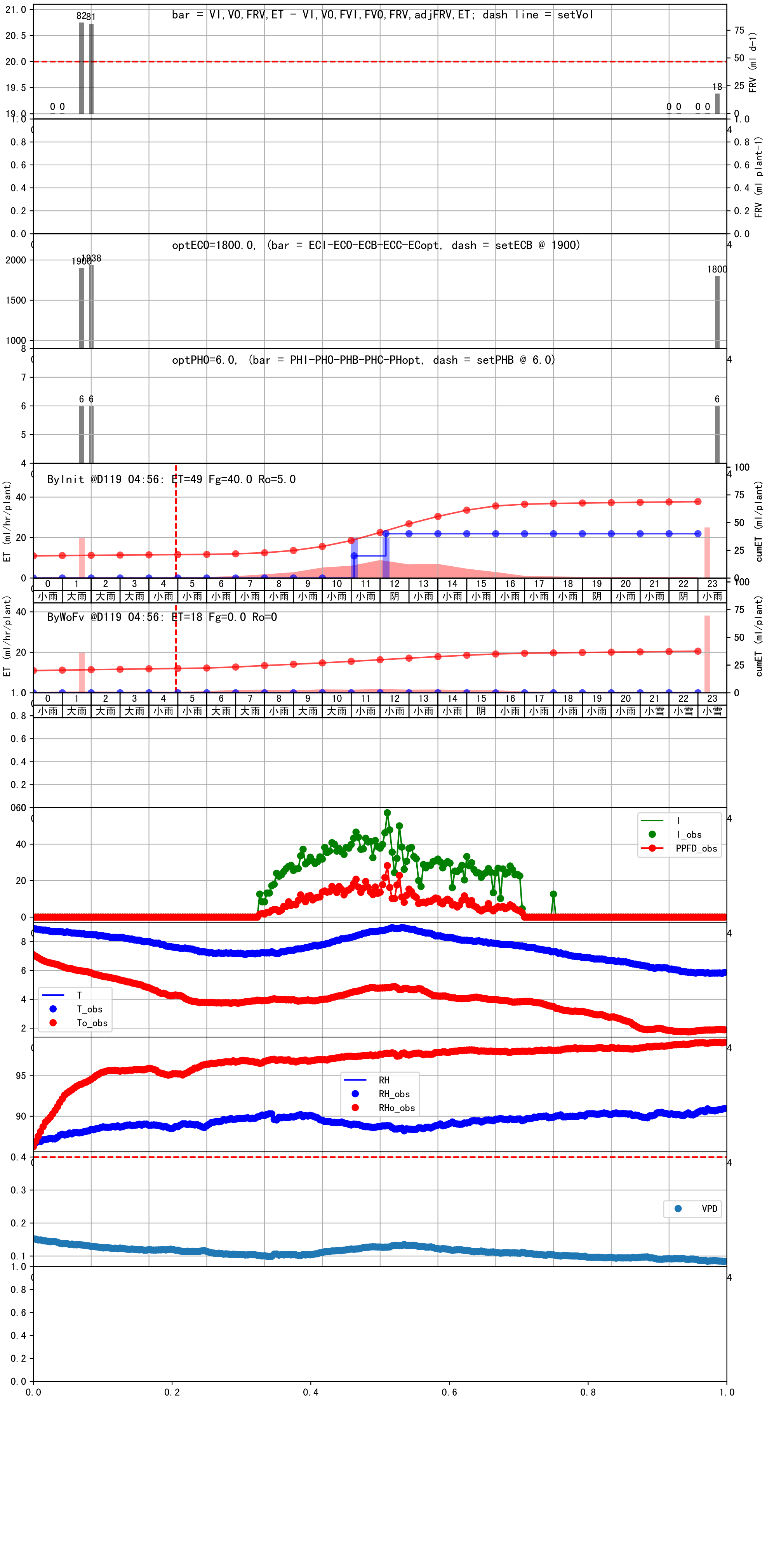


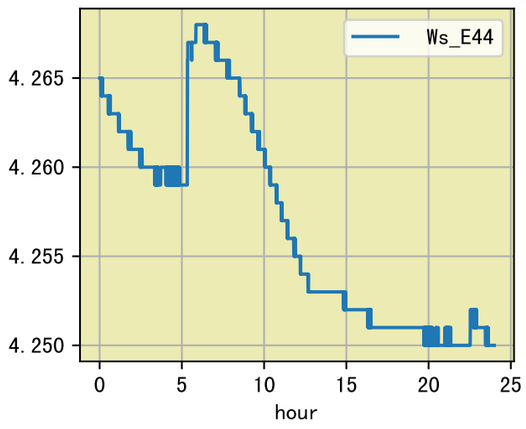

Ws_E44
4.40
4.35
4.30
4.25
4.20
0
5
10
15
20
25
hour
m=670, FV0=0, deltaM=0.02
4.32
4.30
4.28
4.26
4.24
4.22
4.20
660
680
700
720
minute
Ws_E44
m=790, FV0=0, deltaM=nan
4.425
4.400
4.375
4.350
4.325
4.300
780
800
820
840
minute
Ws_E44

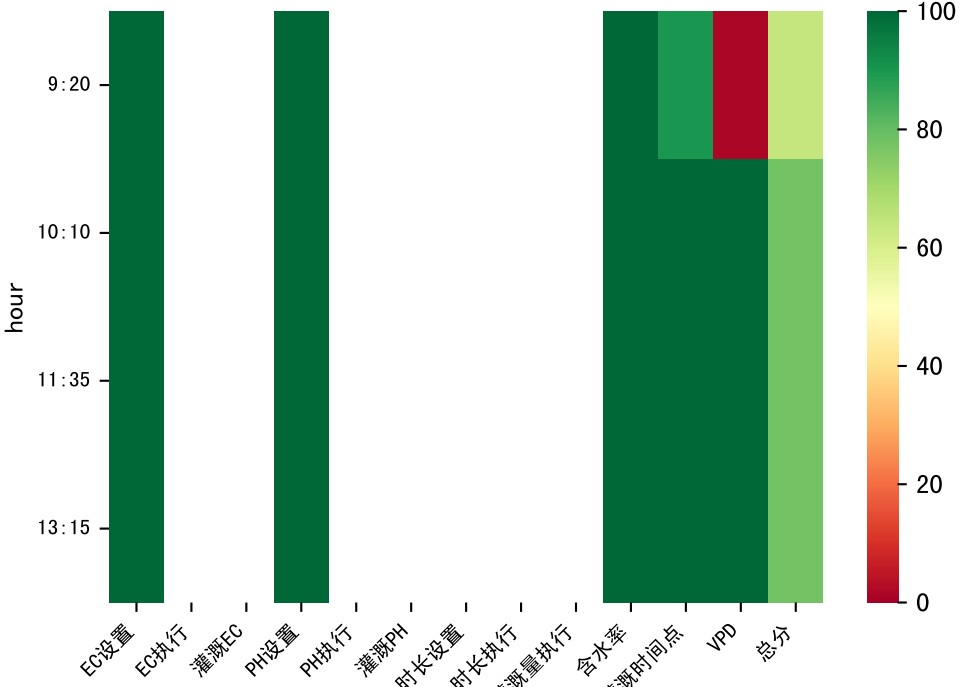

hour
8:00
12:00
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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=116 (2026-01-30)

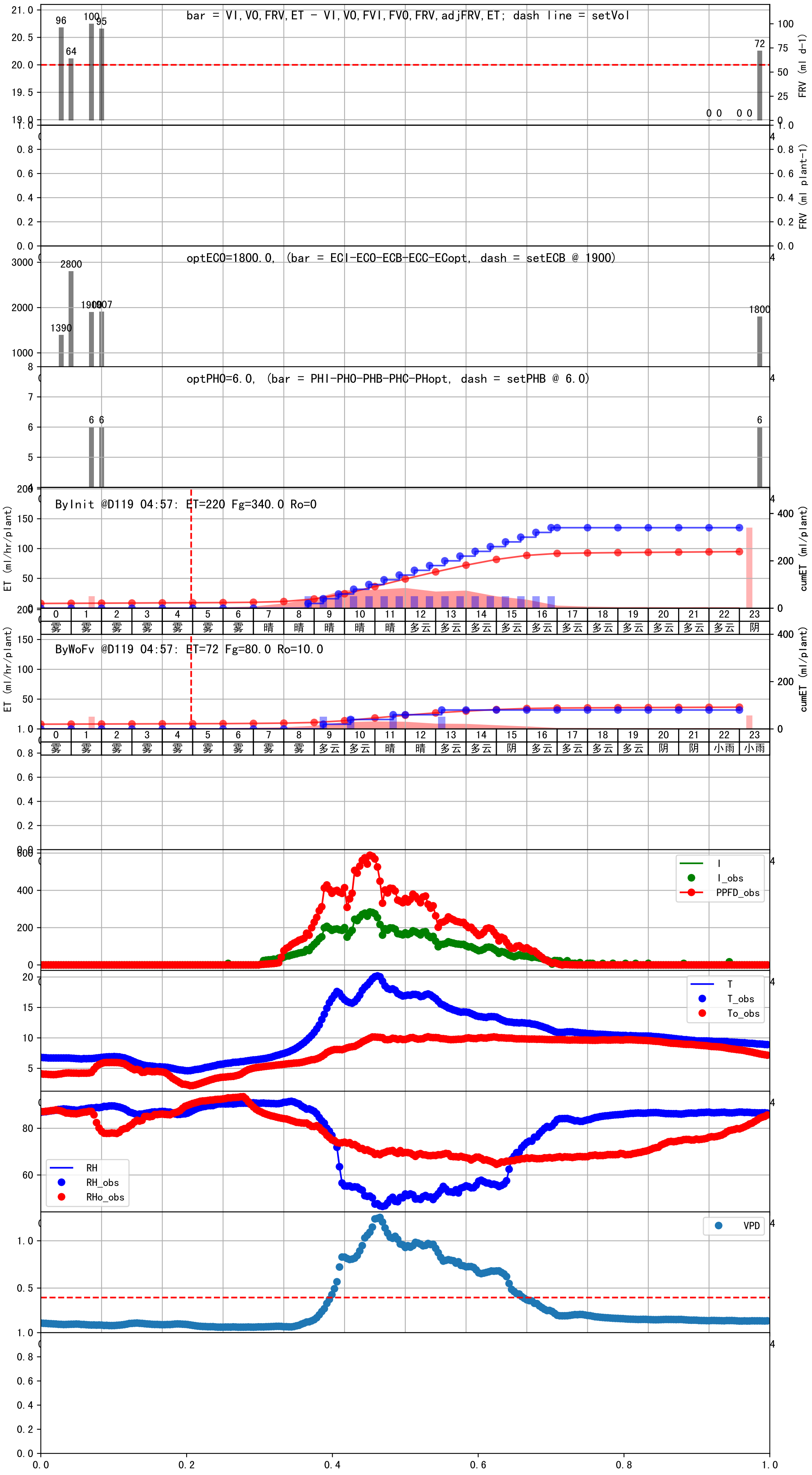


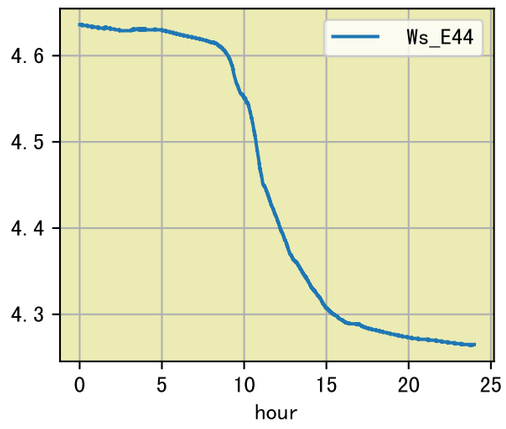

Ws_E44
4.265
4.260
4.255
4.250
0
5
10
15
20
25
hour


hour
9:20
10:10
11:35
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

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:20	34	20.0	0.081	多云	假设@09:20 未知程序（未用传感器）
10:10	34	20.0	0.081	多云	假设@10:10 未知程序（未用传感器）
11:35	34	20.0	0.081	晴	假设@11:35 未知程序（未用传感器）
13:15	34	20.0	0.081	多云	假设@13:15 未知程序（未用传感器）
总计	136.0 (4次)	80.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=115 (2026-01-29)




Ws_E44
4.6
4.5
4.4
4.3
0
5
10
15
20
25
hour