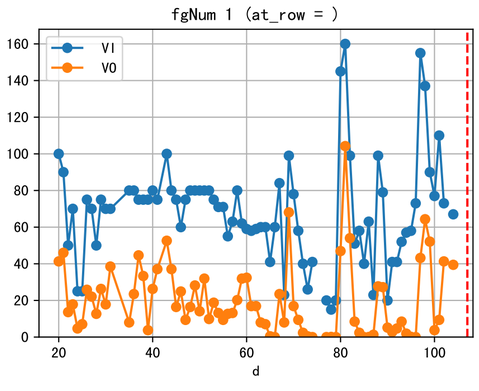
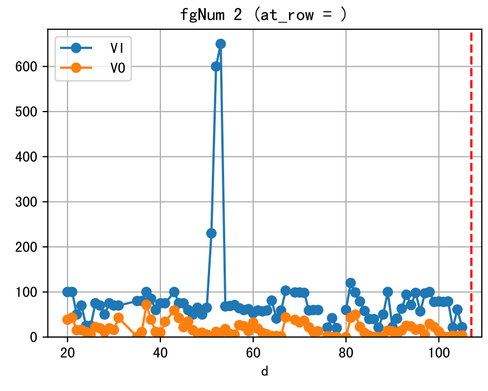
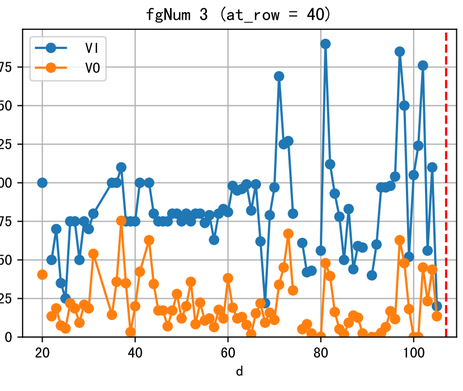
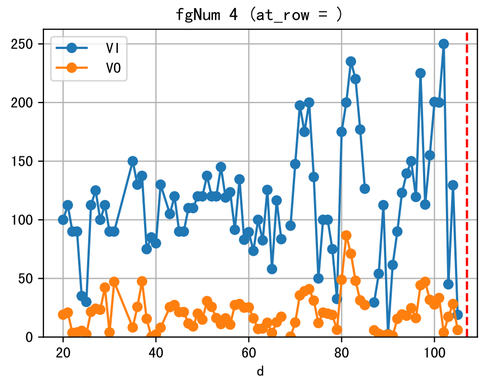
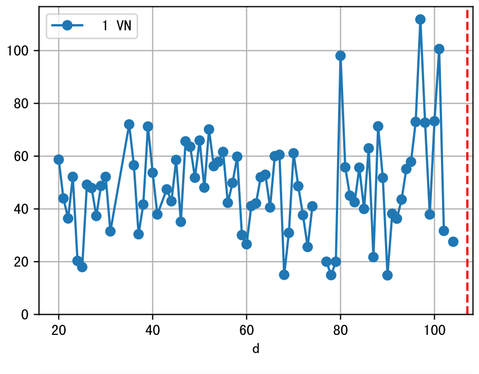
FgArea: ['3']
NJ15 L1
2026-01-21 (Day 107)

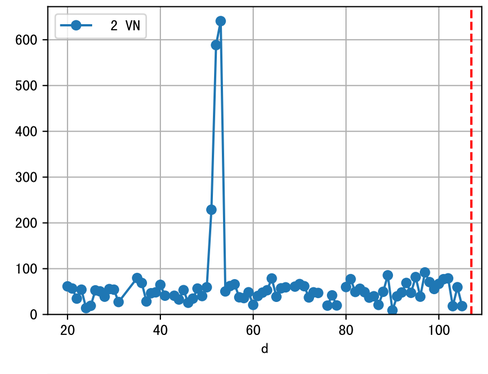

fgNum 1 (at_row =)
VI
VO
d

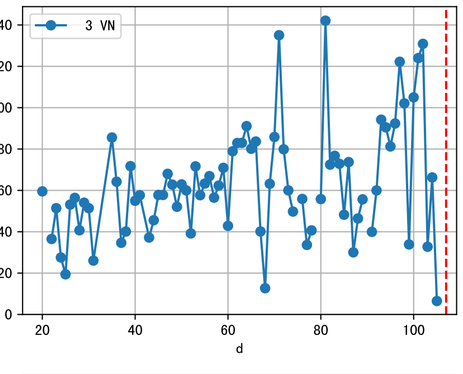

fgNum 2 (at_row =)
VI
VO
d

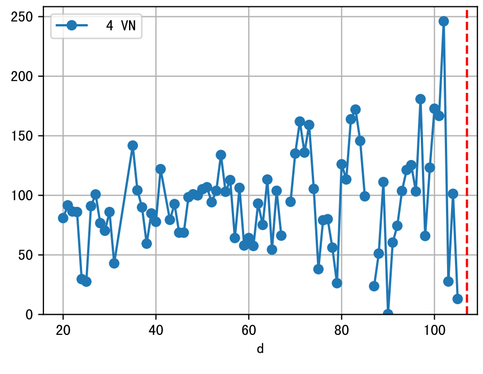

fgNum 3 (at_row = 40)
VI
VO
d

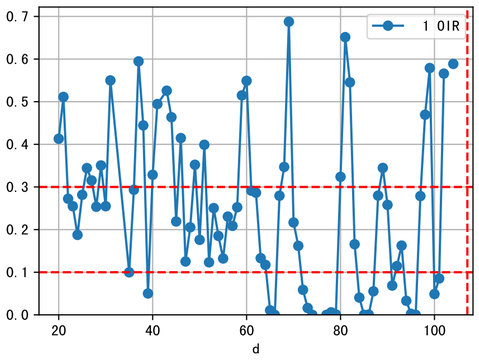

fgNum 4 (at_row =)
VI
VO
d

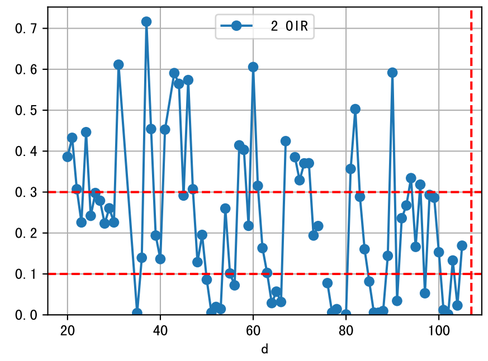

1 VN
d

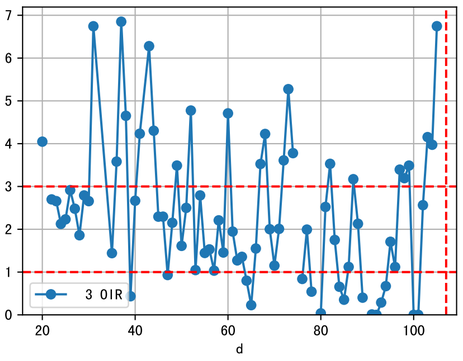

2 VN
d

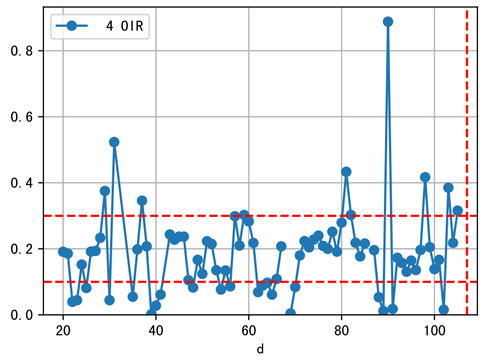

3 VN
d

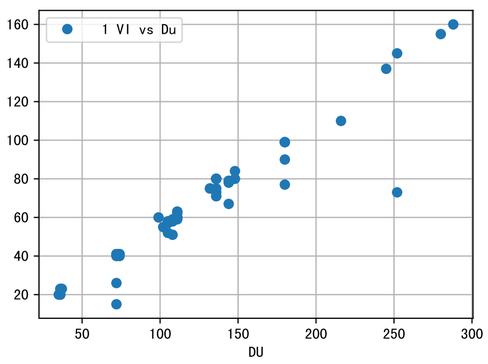

4 VN
d

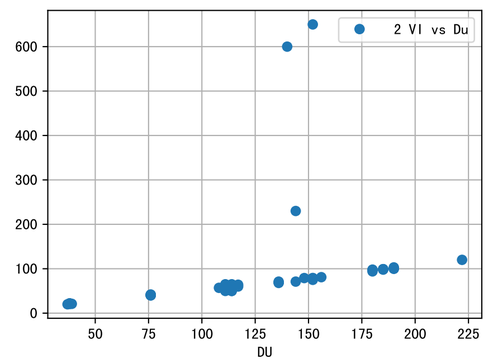

1 OIR
d

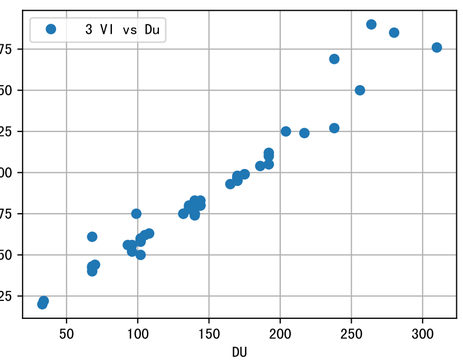

2 OIR
d

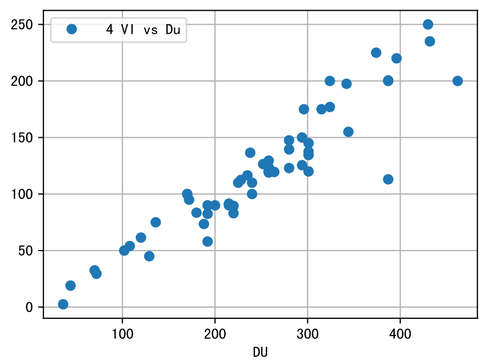

3 OIR
d

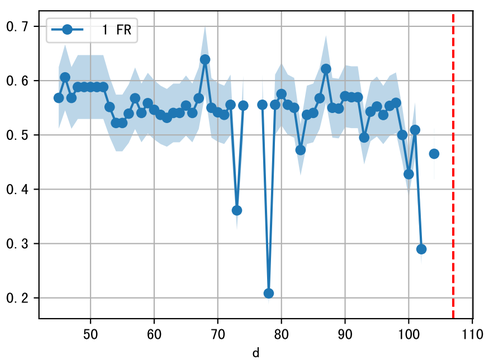

4 OIR
d

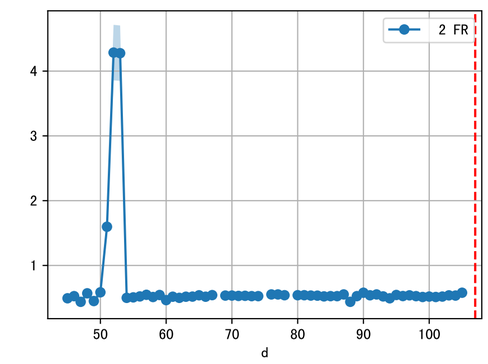

1 VI vs Du
DU

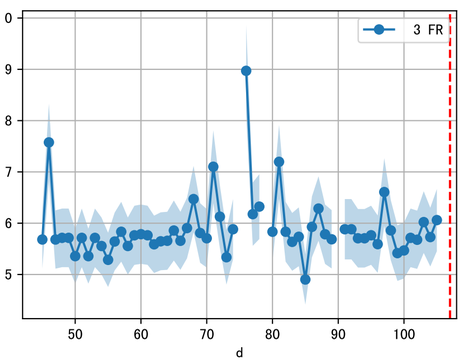

2 VI vs Du
DU

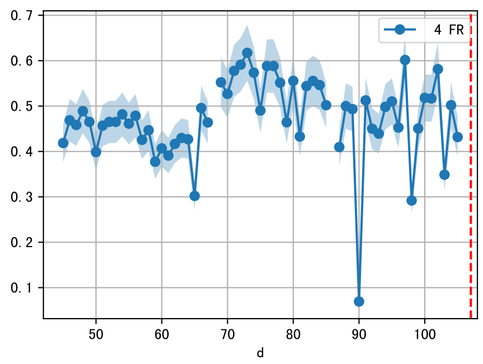

3 VI vs Du
DU

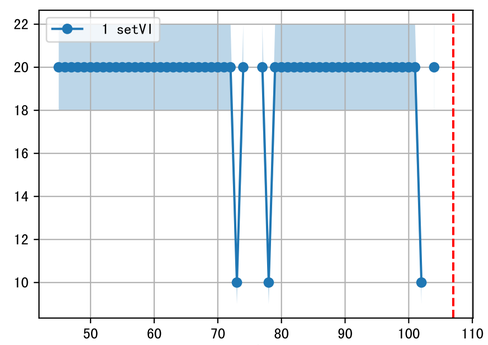

4 VI vs Du
DU

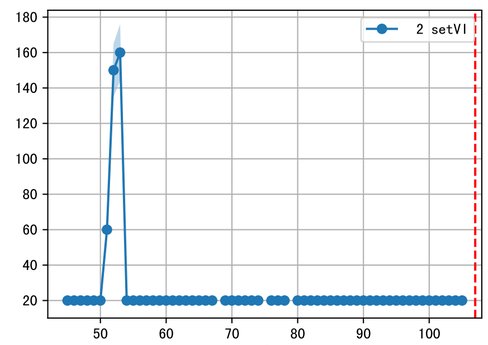

1 FR
d

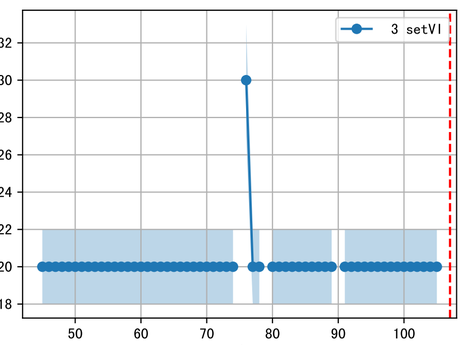

2 FR
d

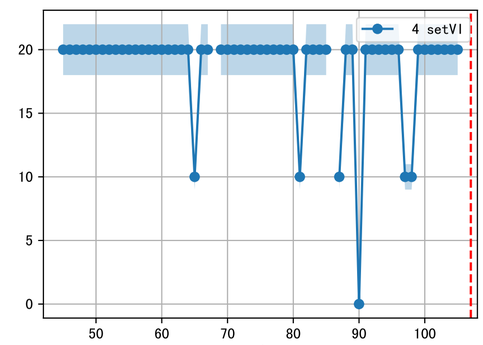

3 FR
d

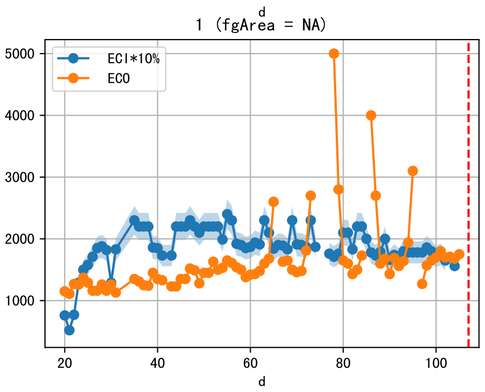

4 FR
d

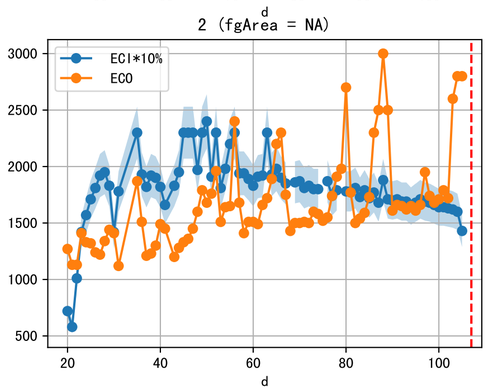

1 setVI
d

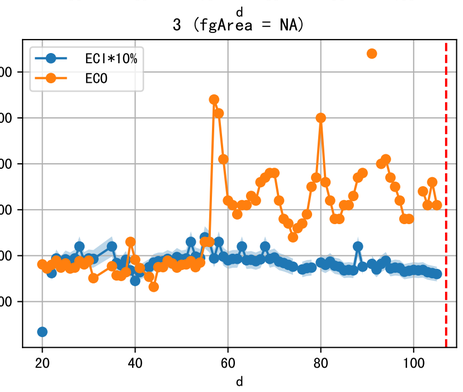

2 setVI
d

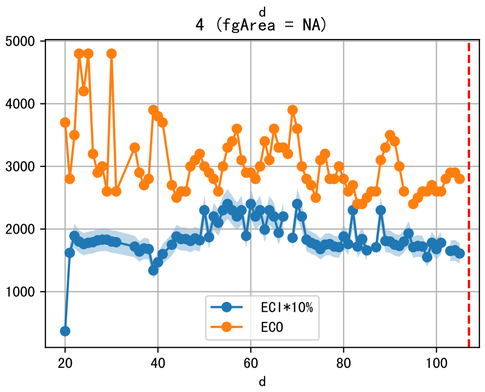

3 setVI
d

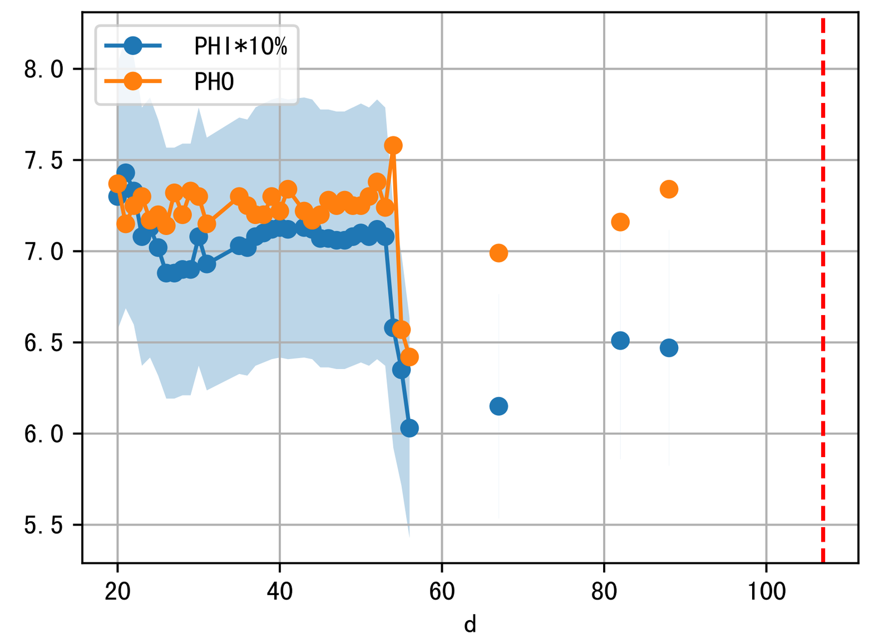

4 setVI
d

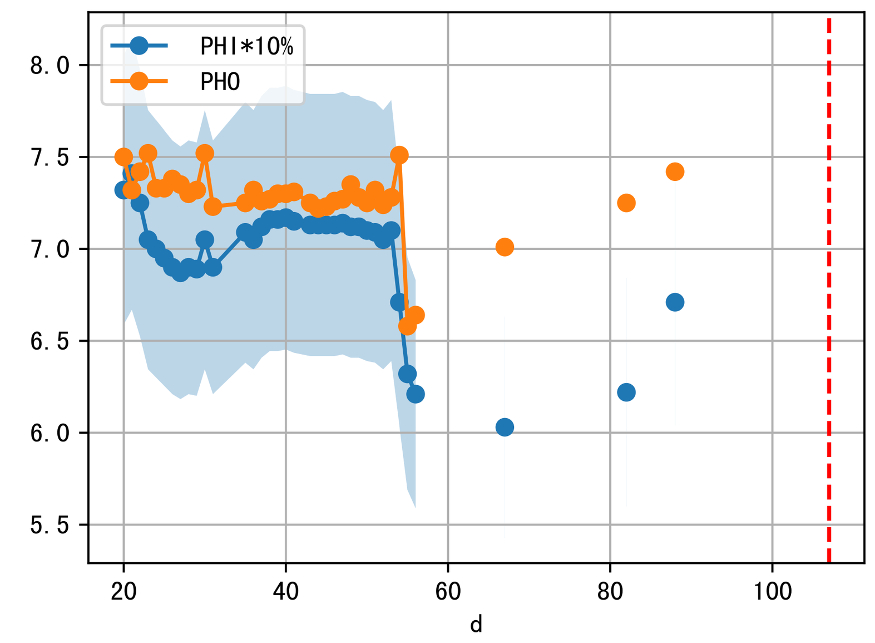

1 (fgArea = NA)
ECI*10%
ECO
d

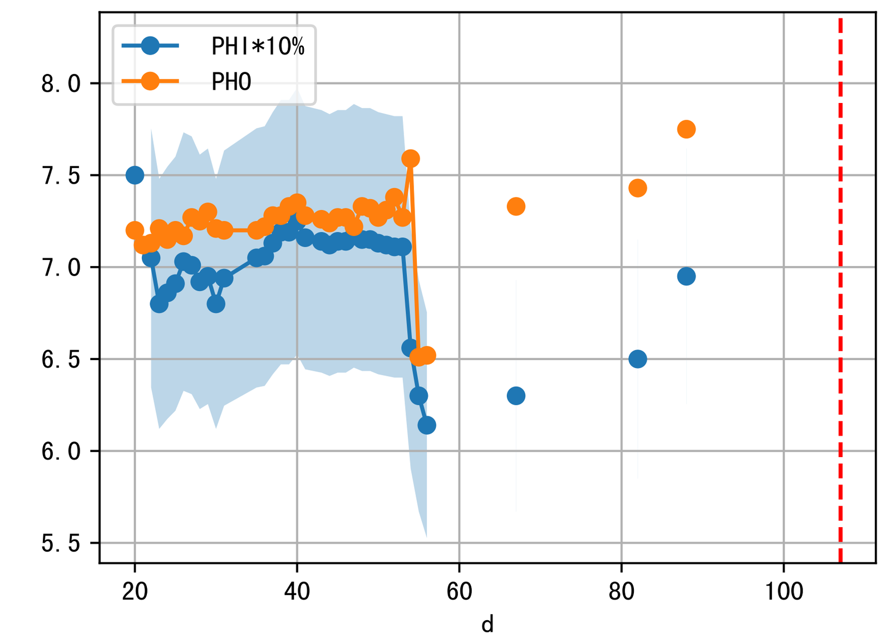

2 (fgArea = NA)
ECI*10%
ECO
d

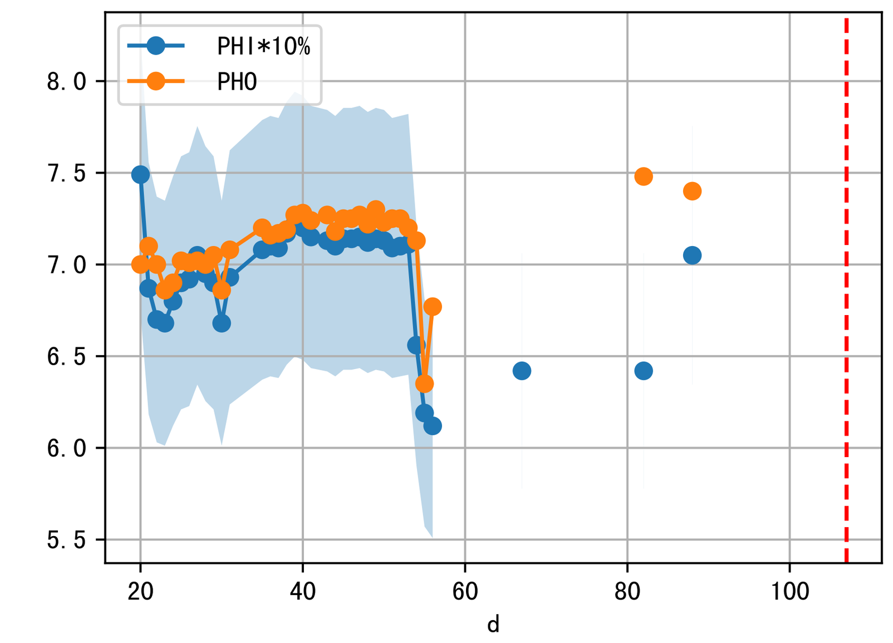

3 (fgArea = NA)
ECI*10%
ECO
d

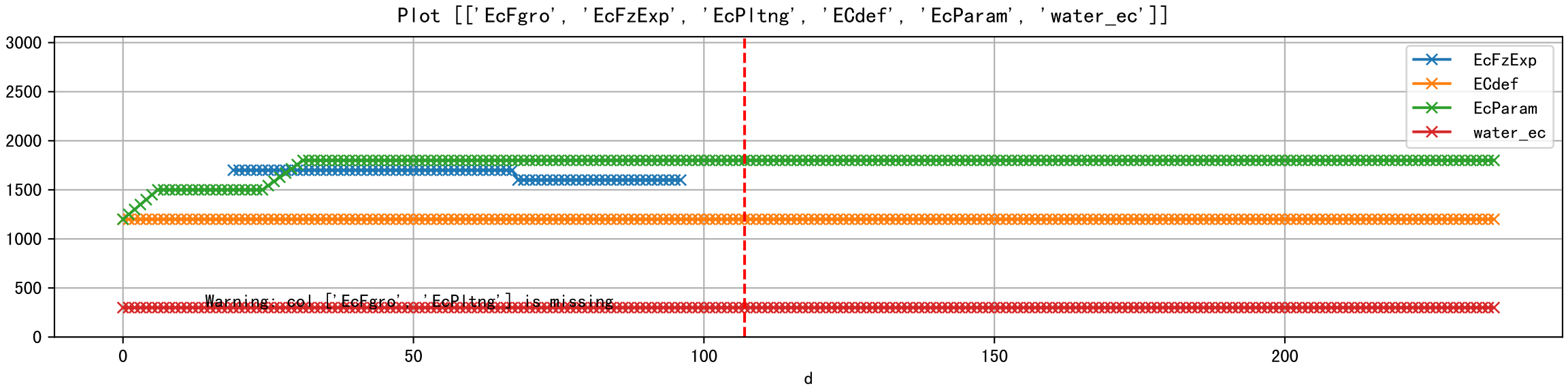

4 (fgArea = NA)
ECI*10%
ECO
d

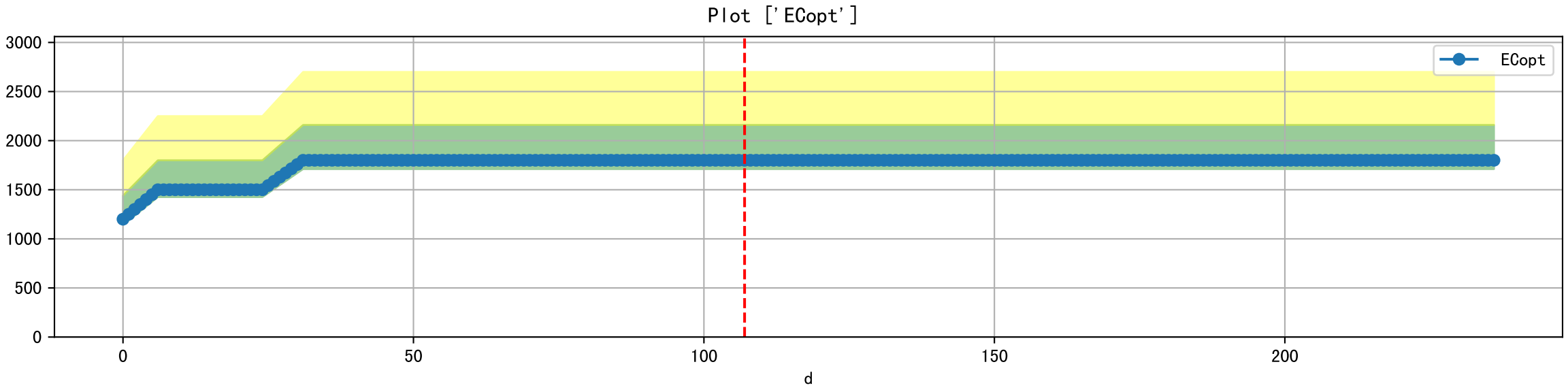

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

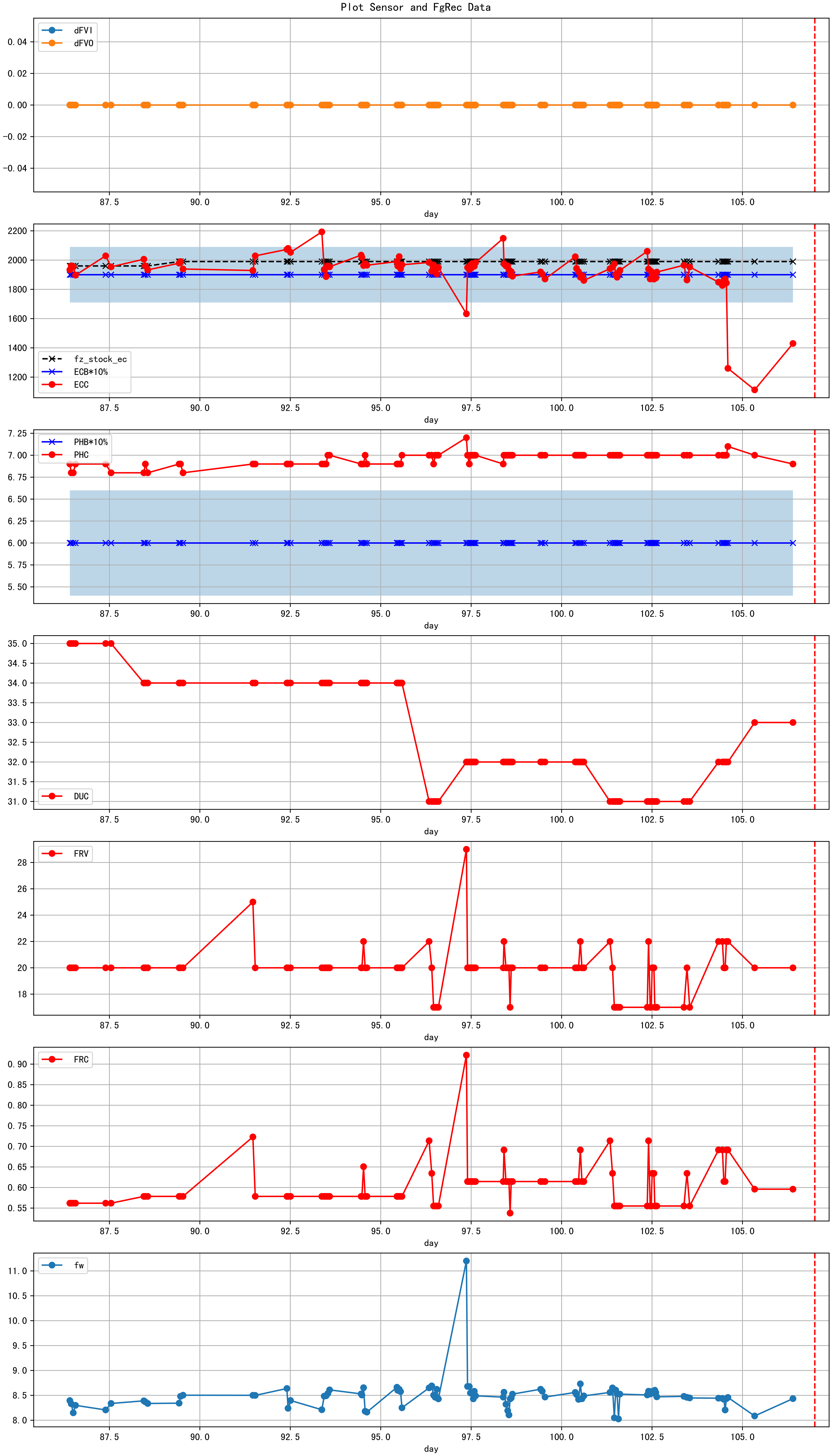

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

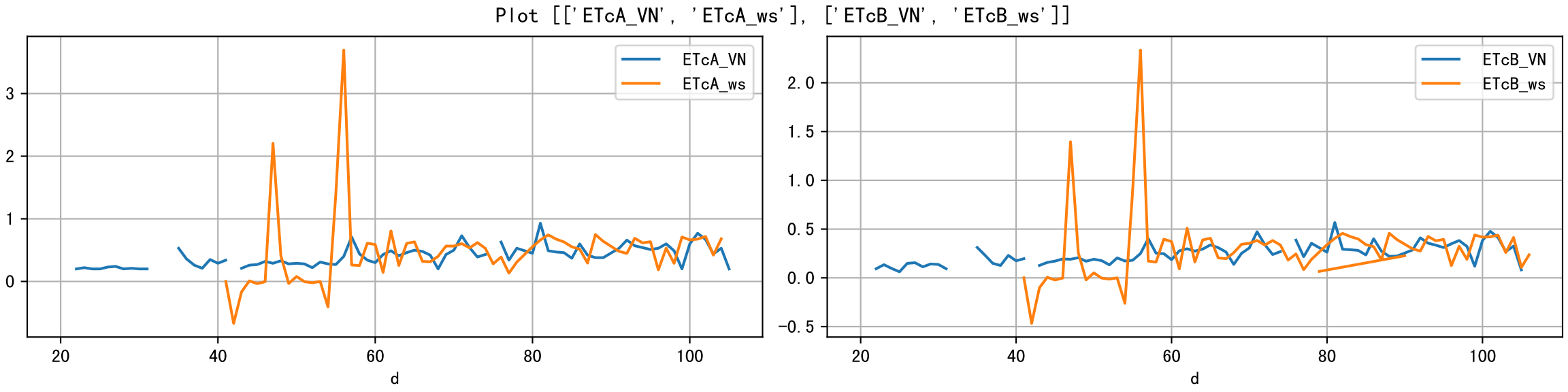

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

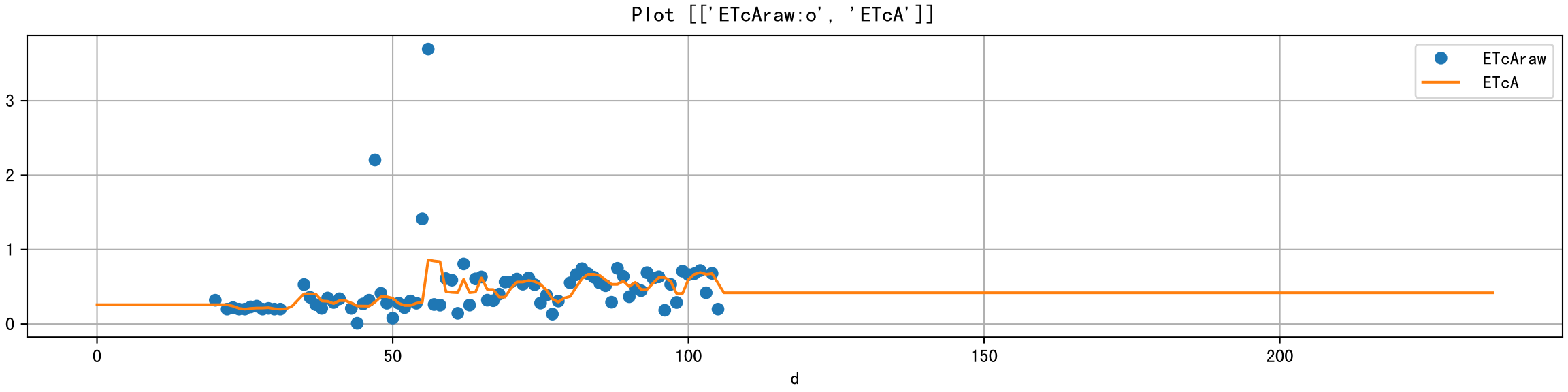

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

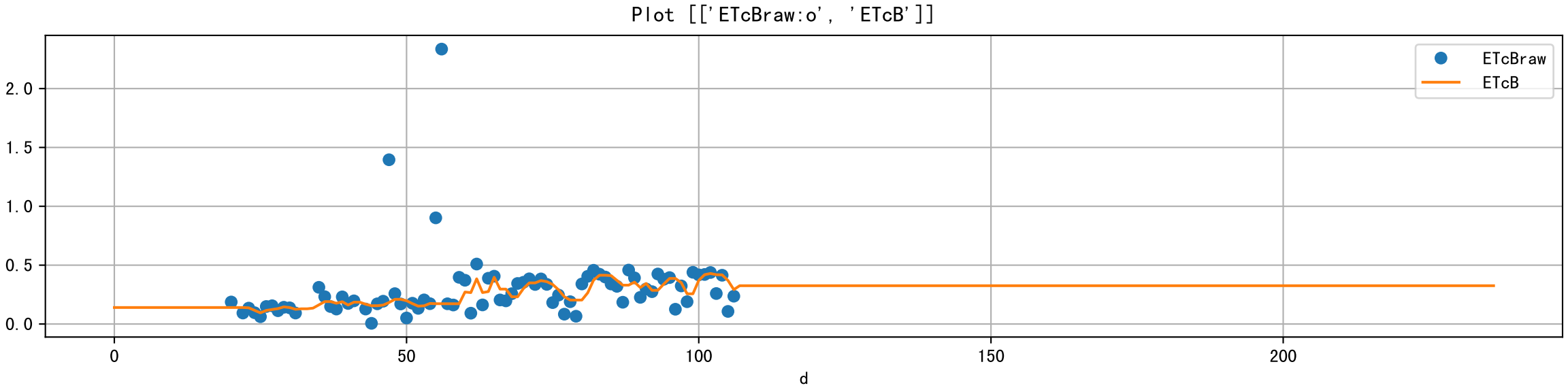

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


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

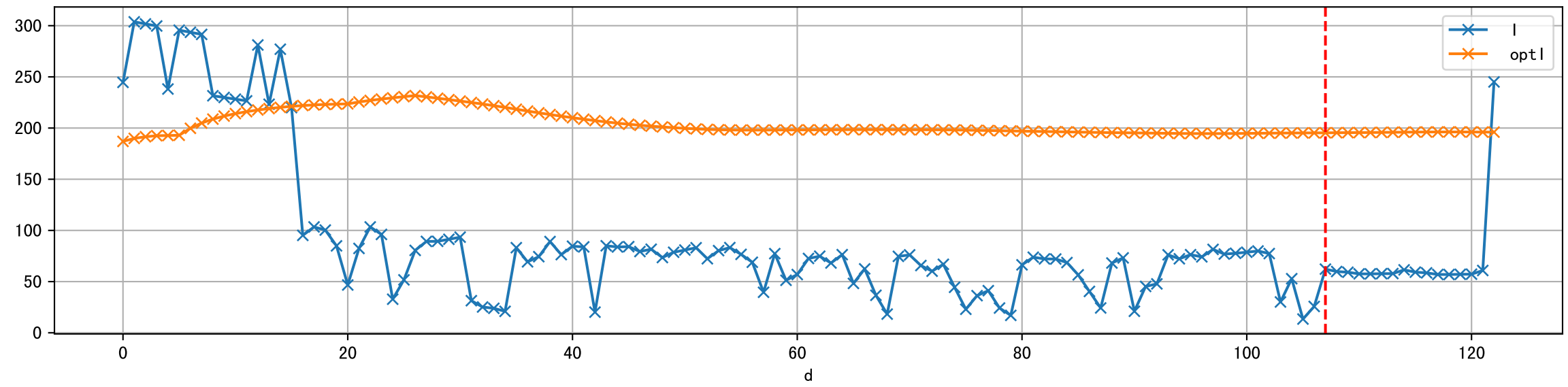

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day

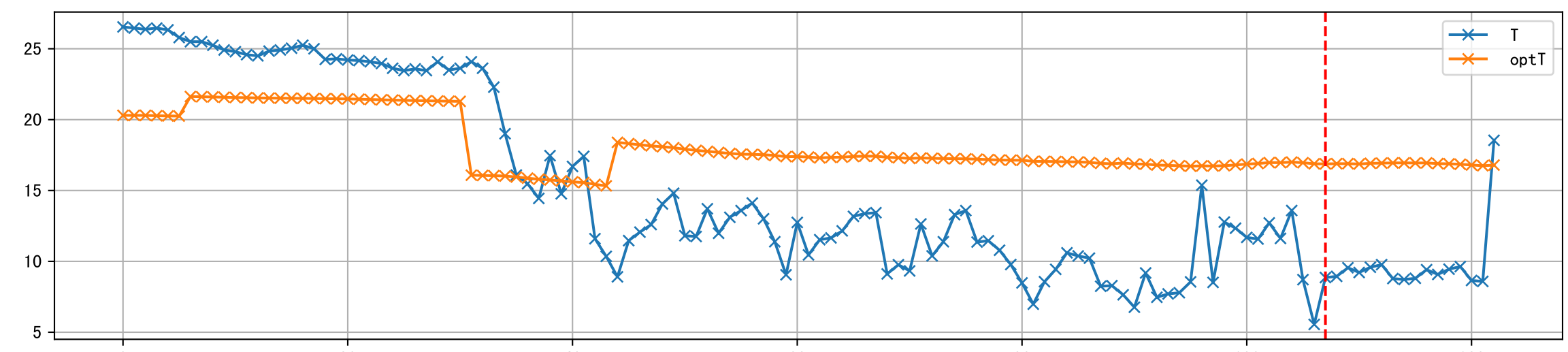

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
3
2
1
0
20
40
60
80
100
d
ETcB_VN
ETcB_ws
2.0
1.5
1.0
0.5
0.0
-0.5
20
40
60
80
100
d

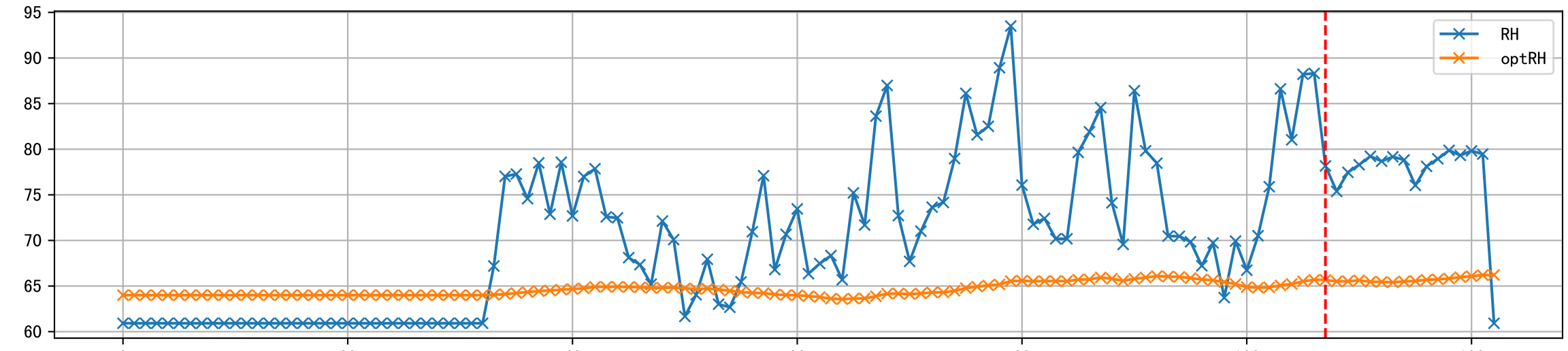

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3
2
1
0
0
50
100
150
200
d

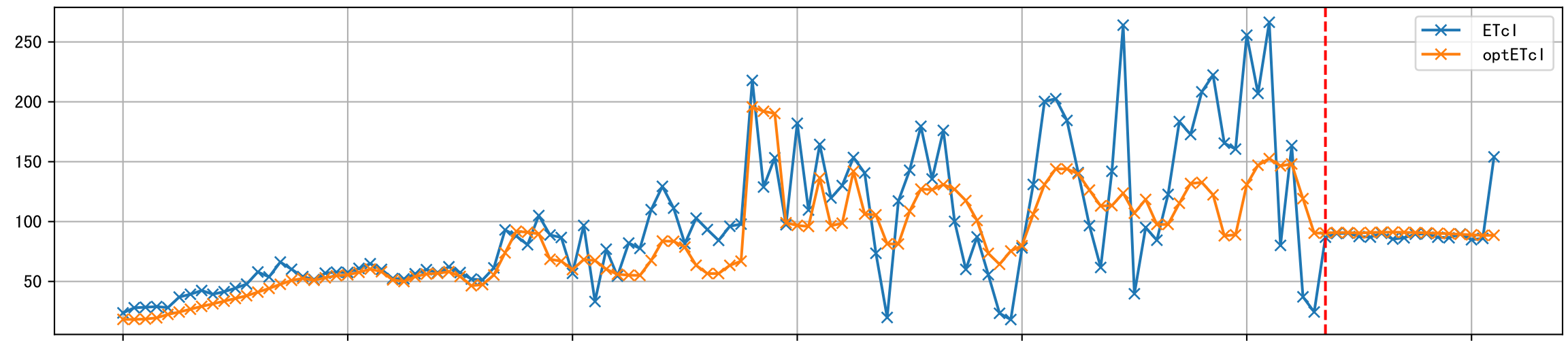

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

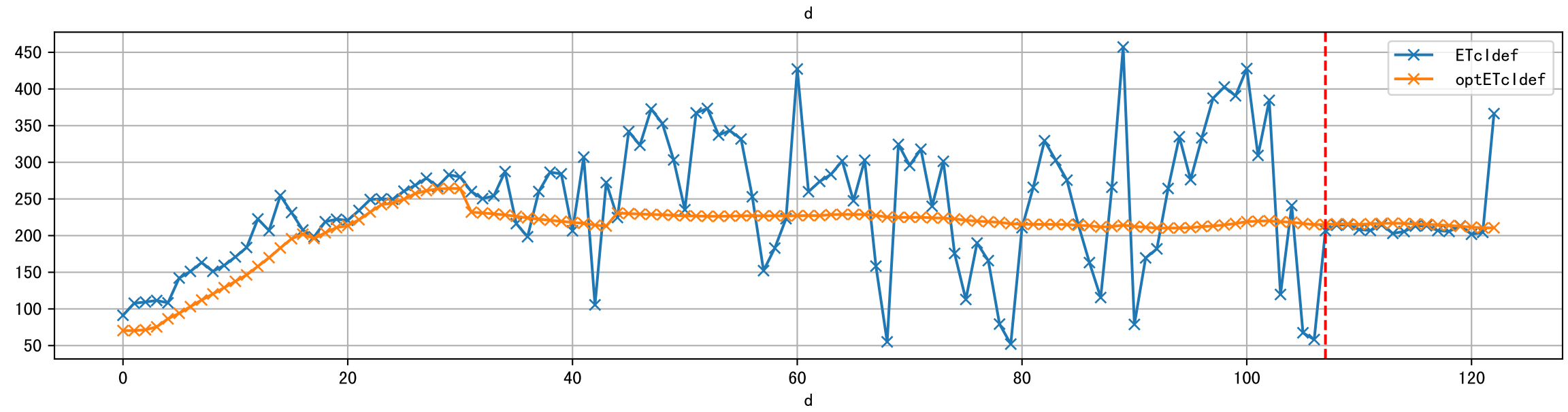
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

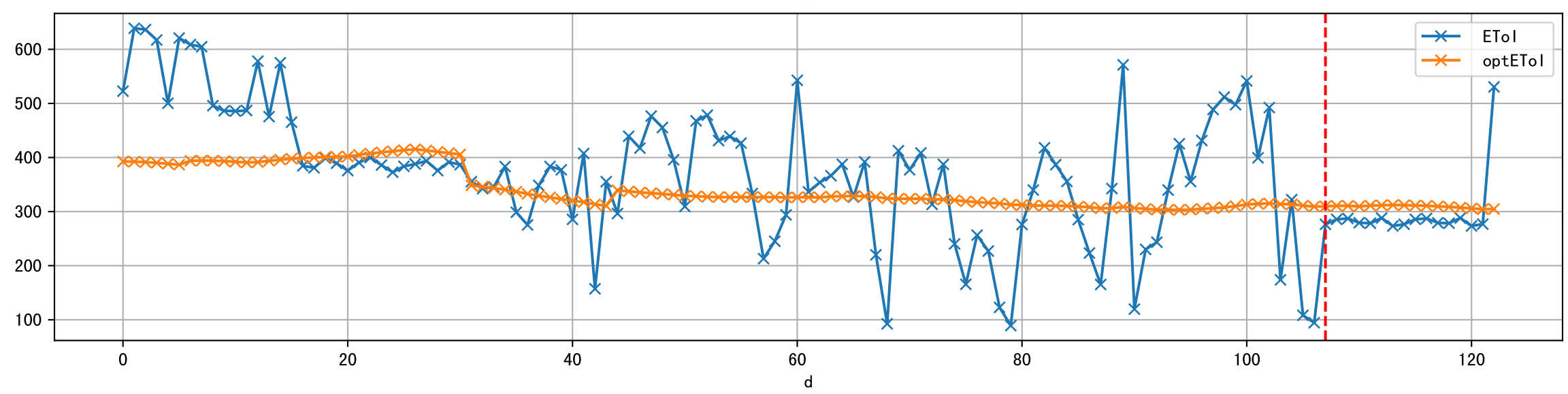


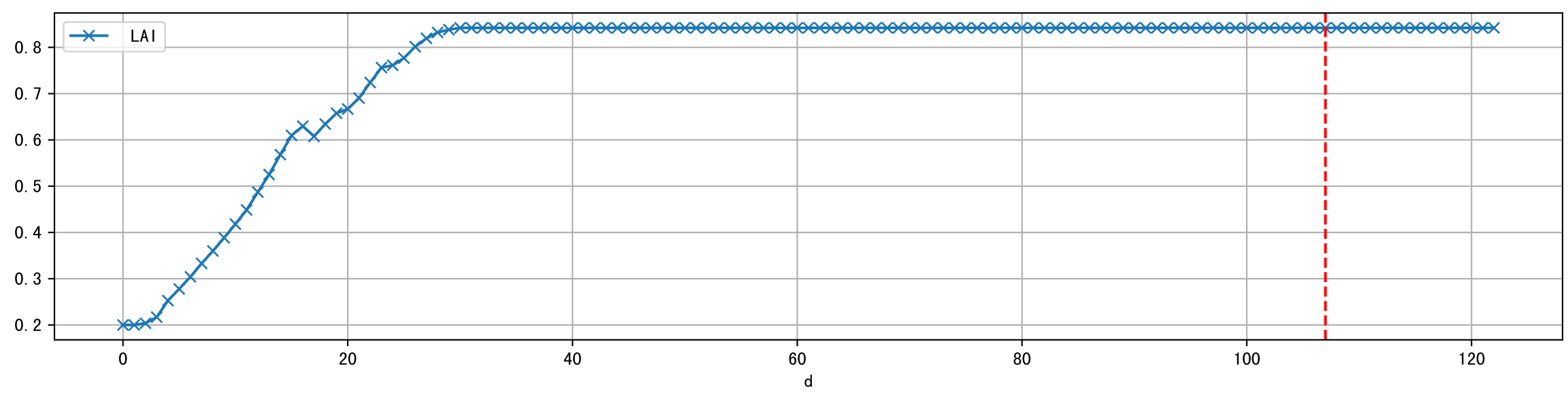


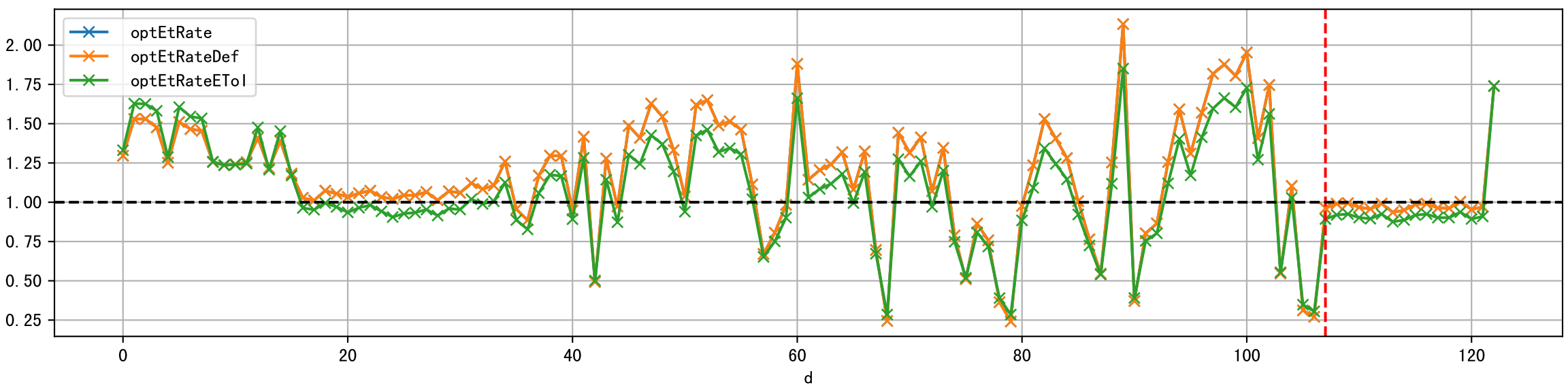


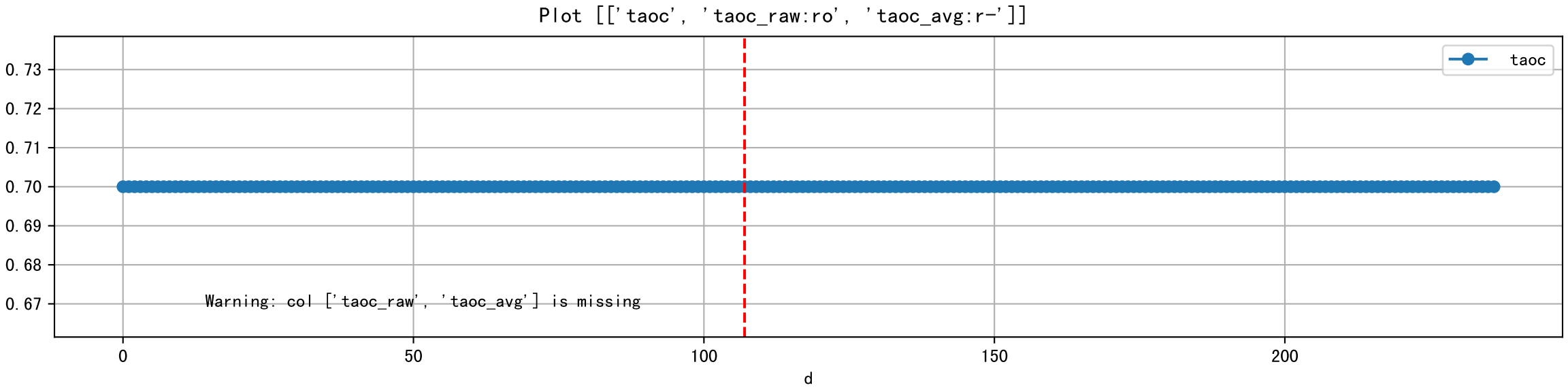


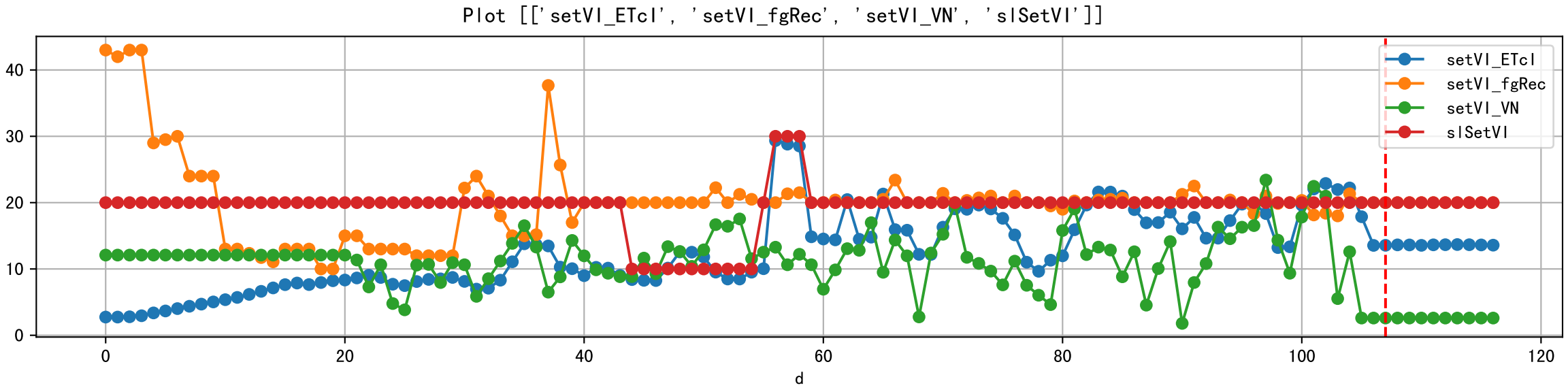


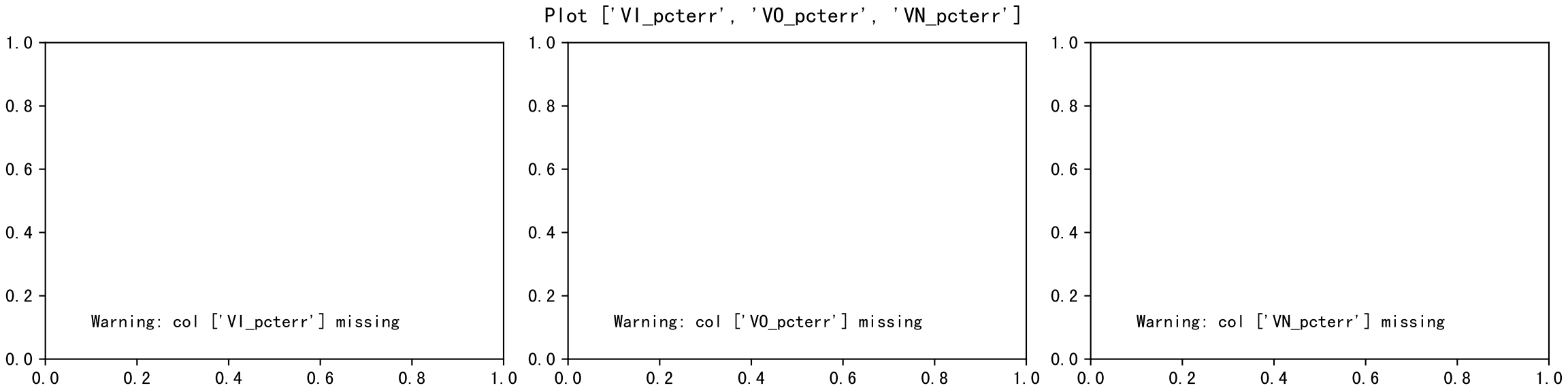


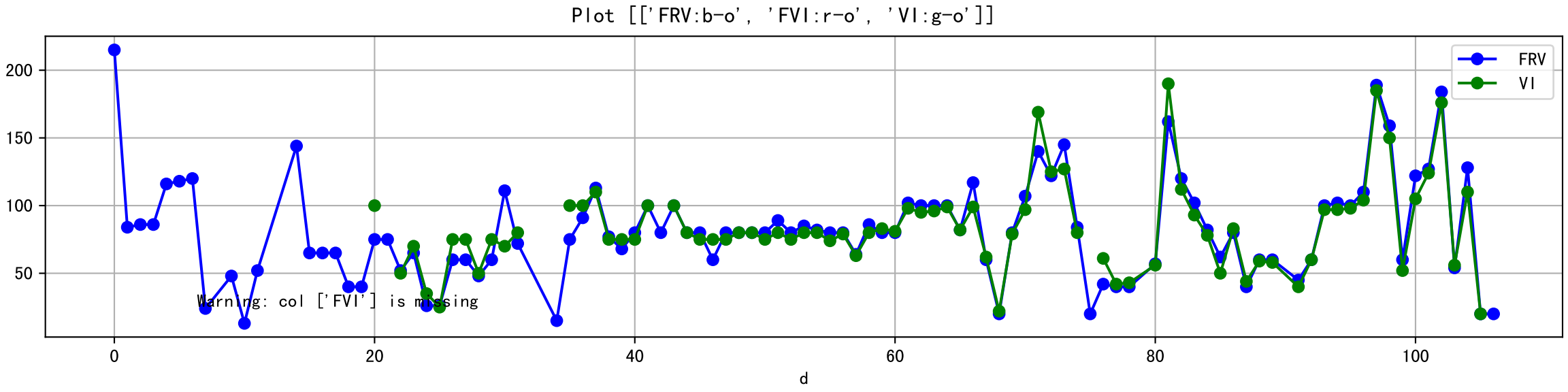


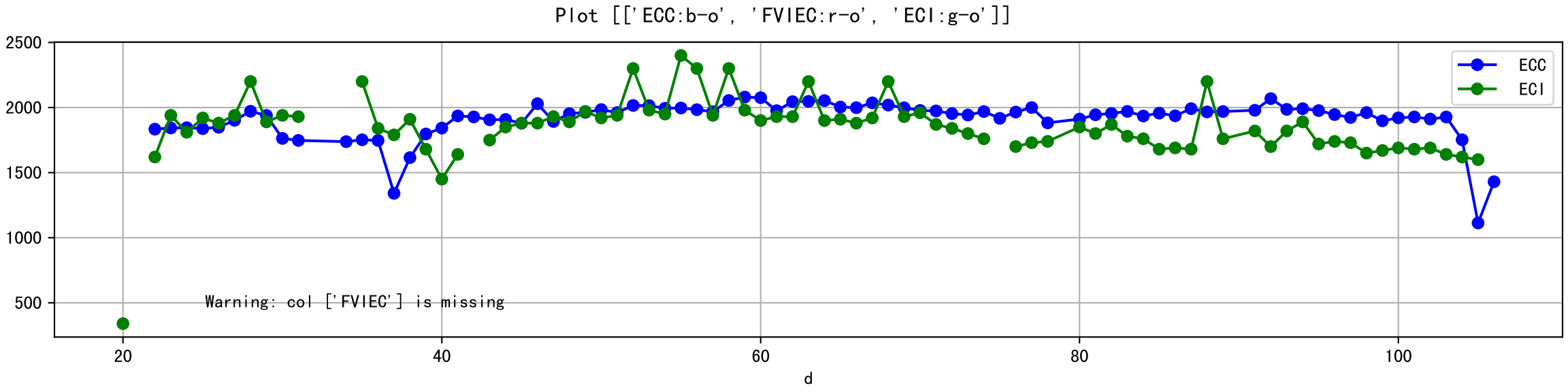


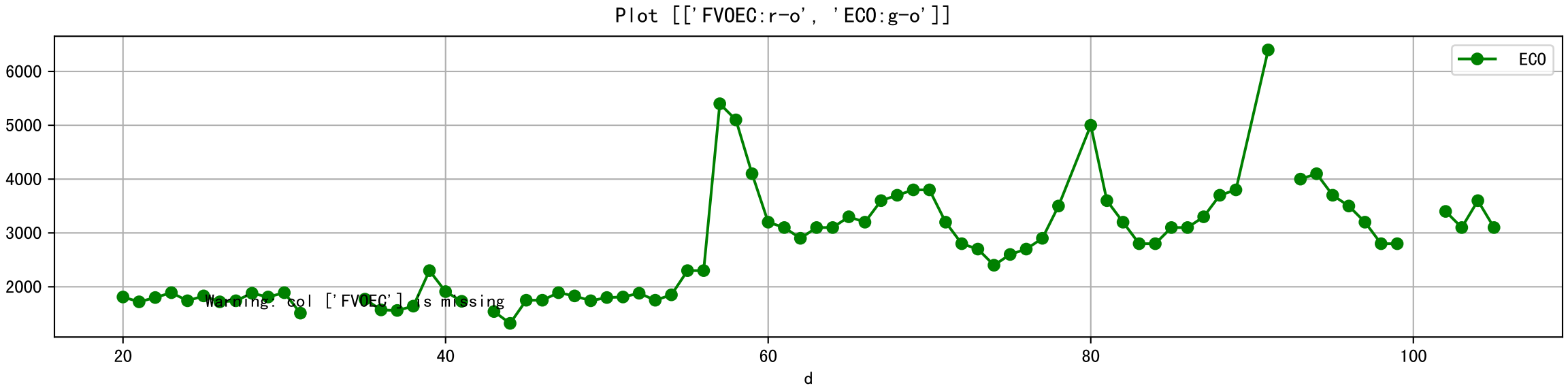

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

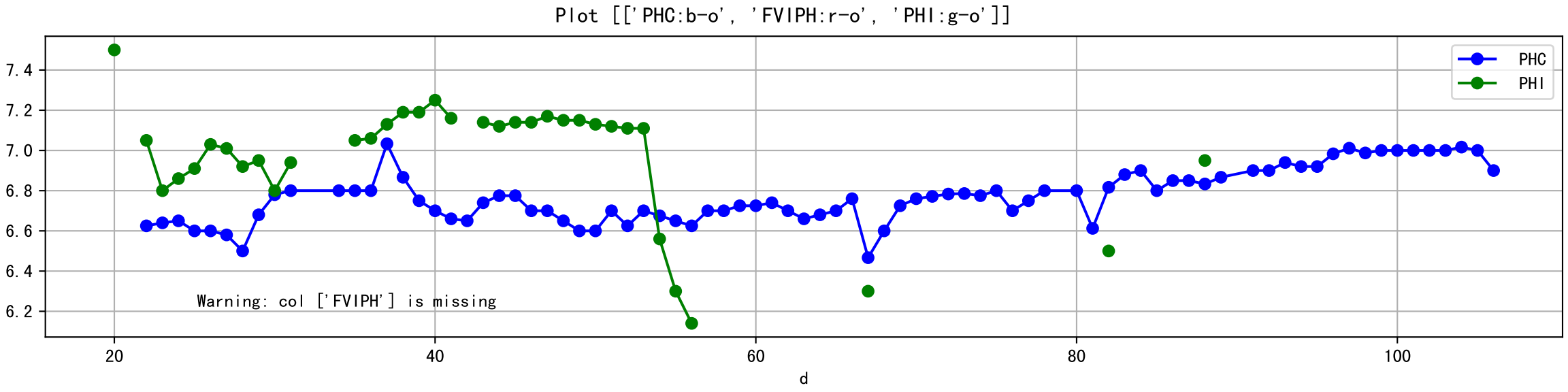

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
0
20
40
60
80
100
120
d

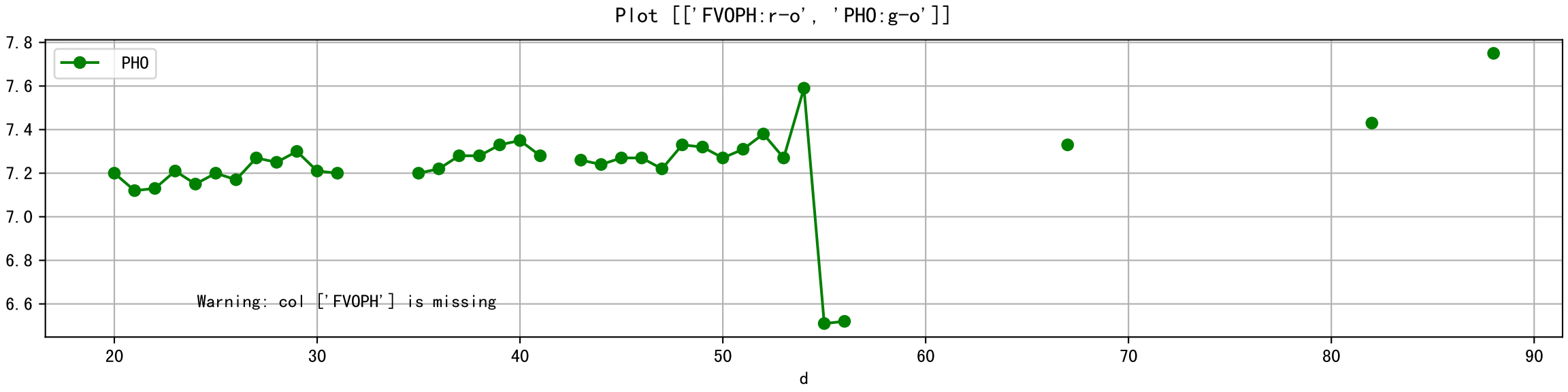

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

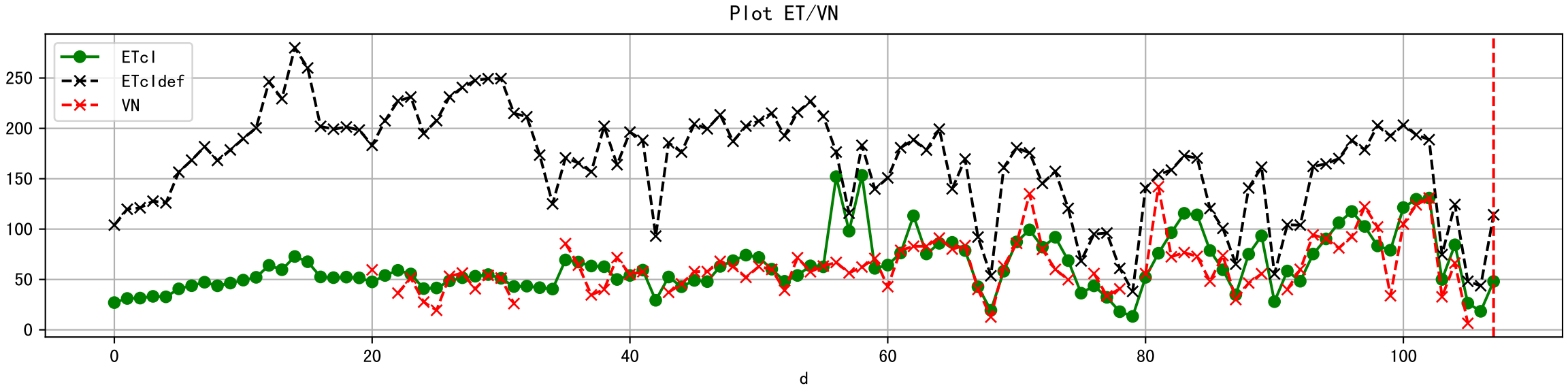

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
200
150
100
50
0
20
40
60
80
100
d

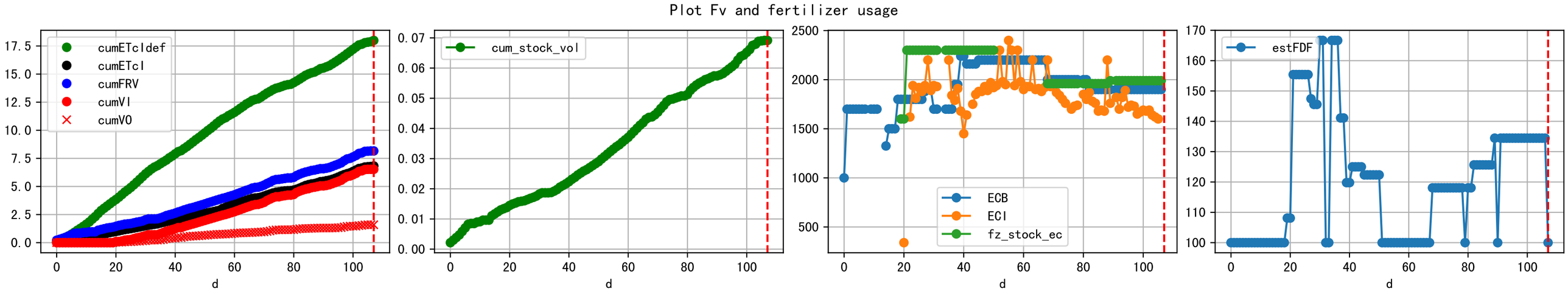

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
d
ECC
ECI
Warning: col ['FVIEC'] is missing

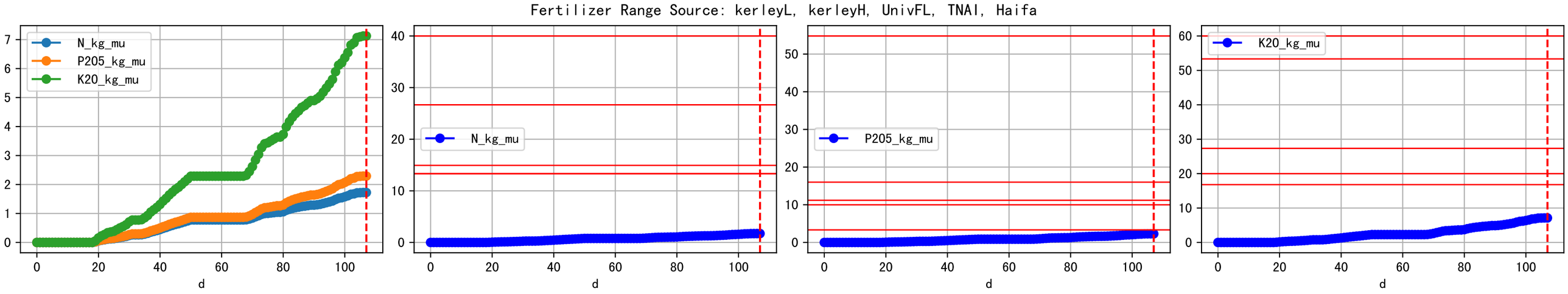

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
d

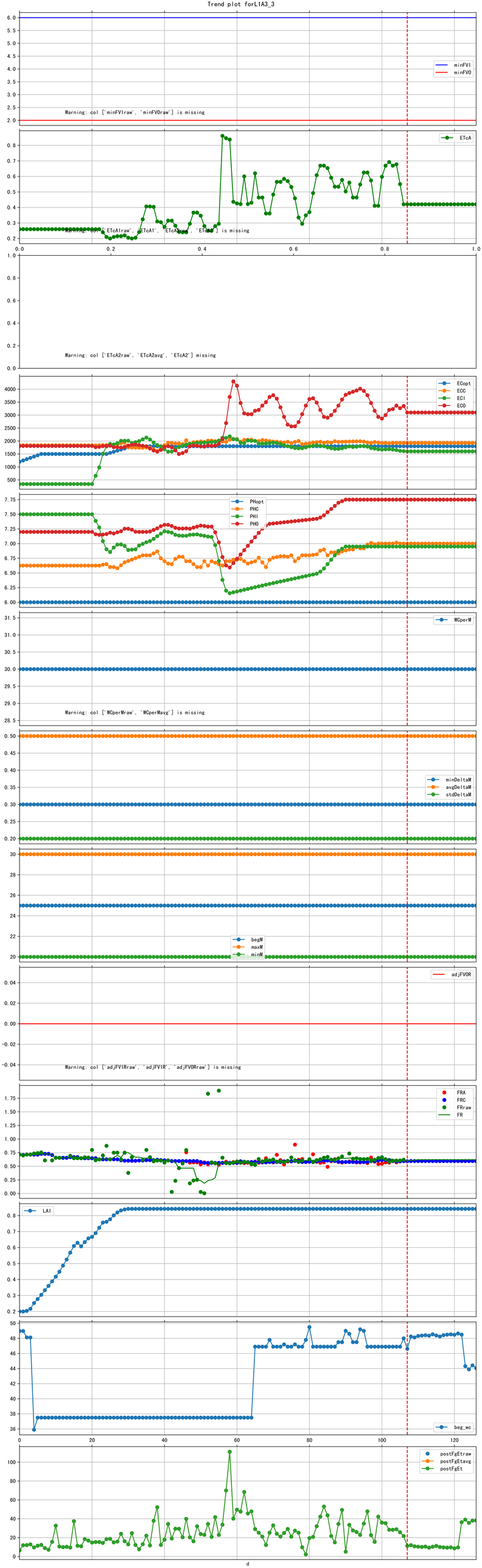

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
d

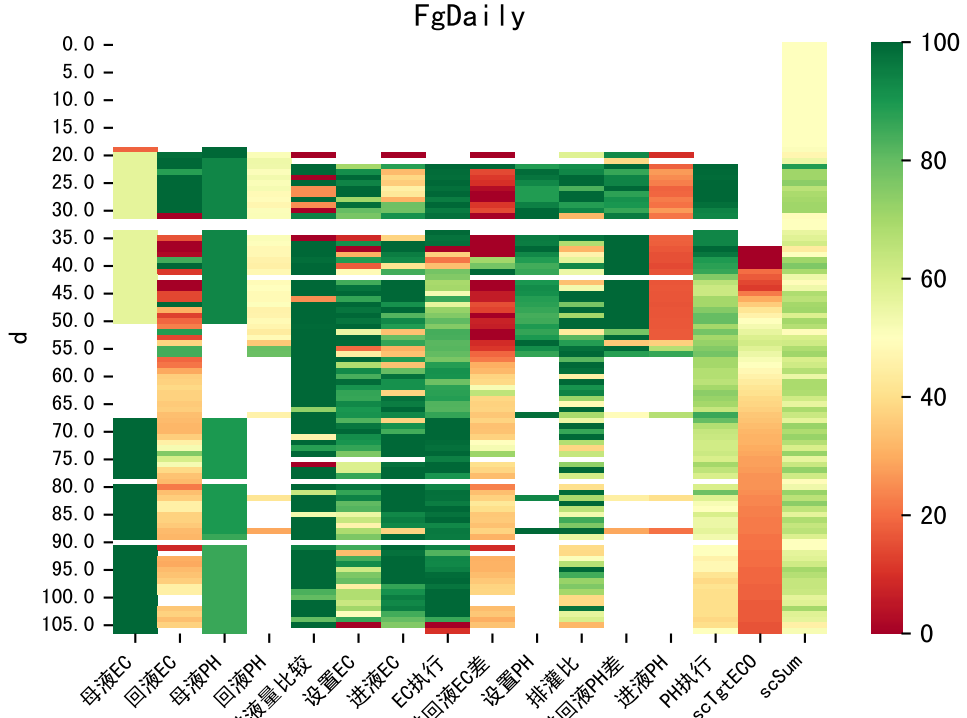

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d


Plot ET/VN
ETcl
ETcldef
VN
250
200
150
100
50
0
0
20
40
60
80
100
d

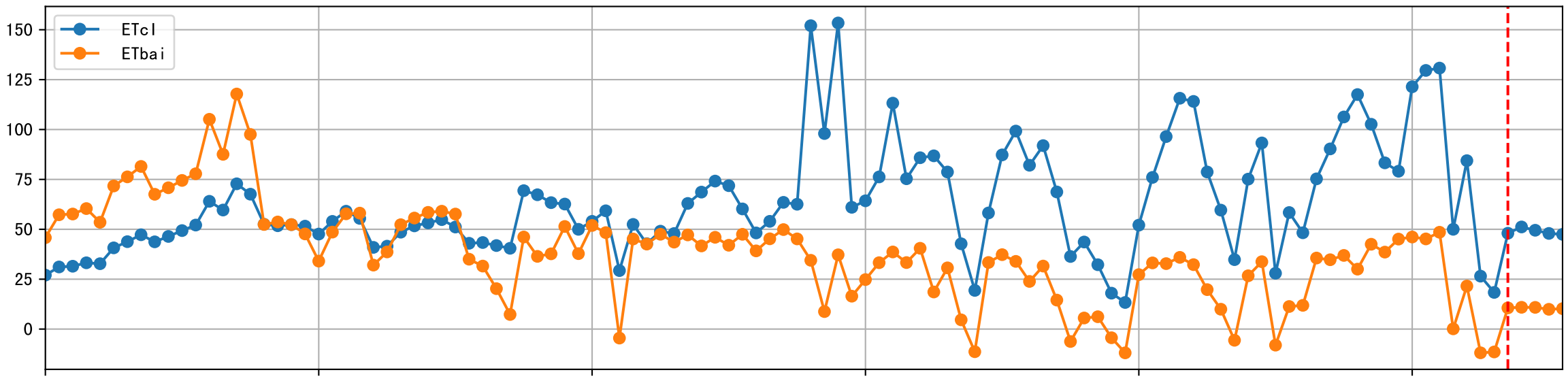

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

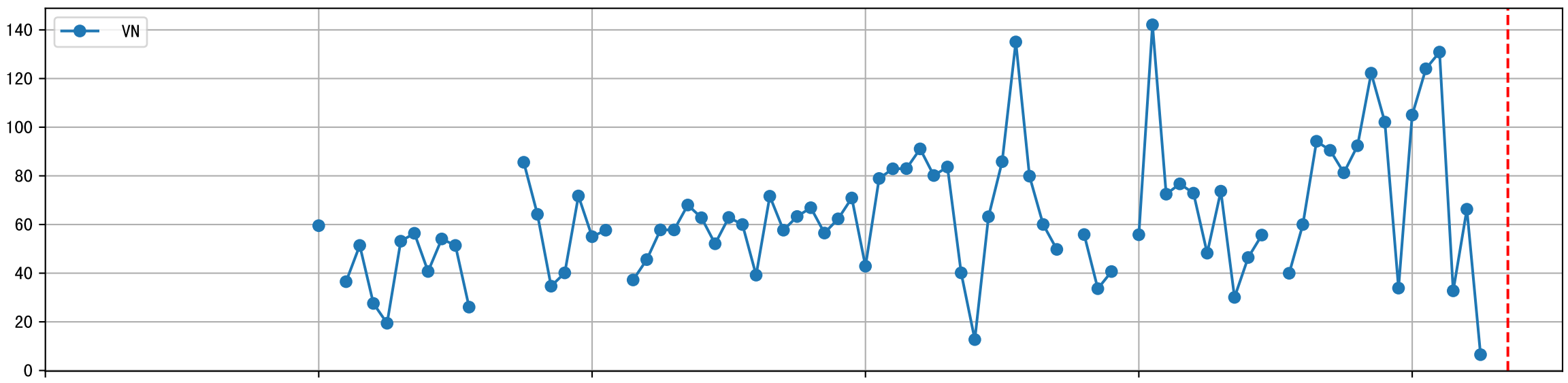

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

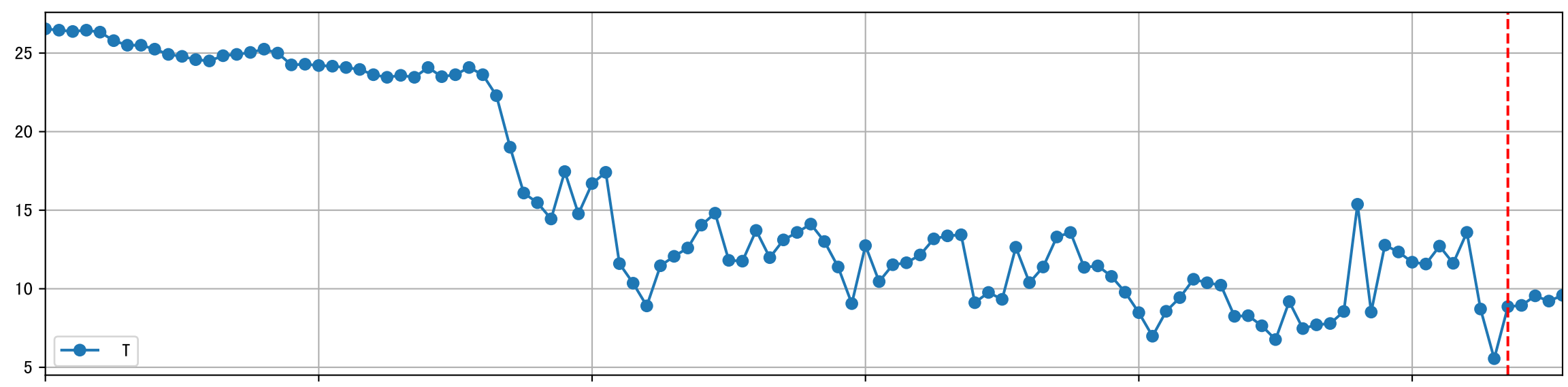

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2avg', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECo
PHopt
PHC
PHi
PHo
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

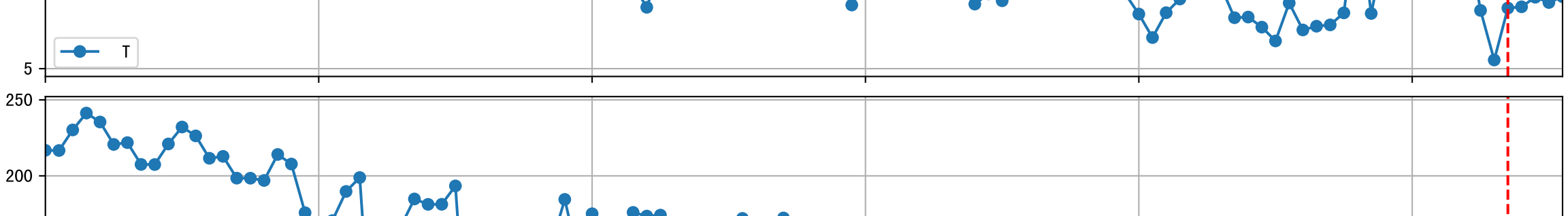

FgDaily
d
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
65.0
70.0
75.0
80.0
85.0
90.0
95.0
100.0
105.0
100
80
60
40
20
0
母液EC
回液EC
母液PH
回液PH
设置EC
进液EC
EC执行
设置PH
排灌比
进液PH
PH执行
scSum

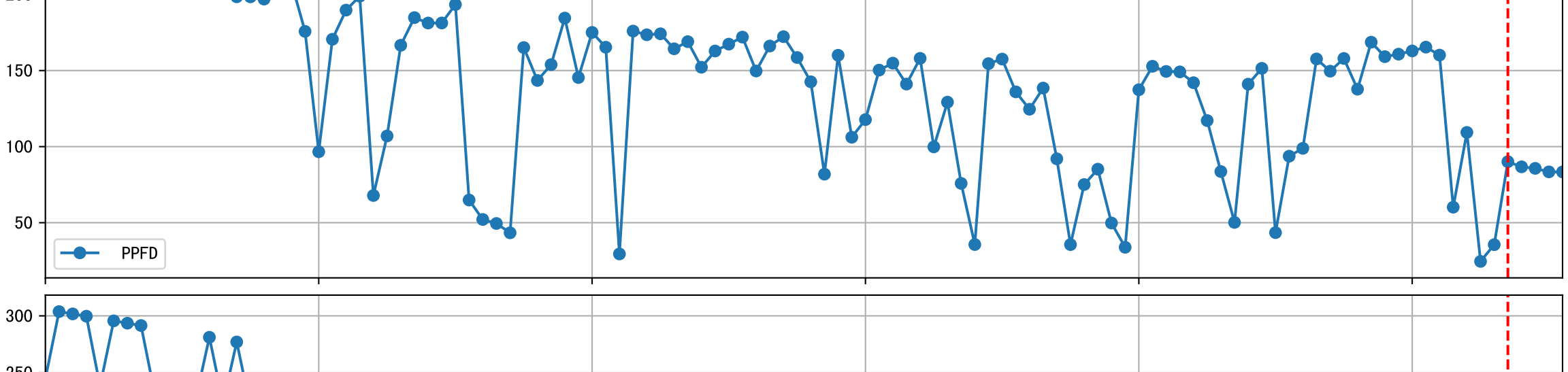
L1A3_3

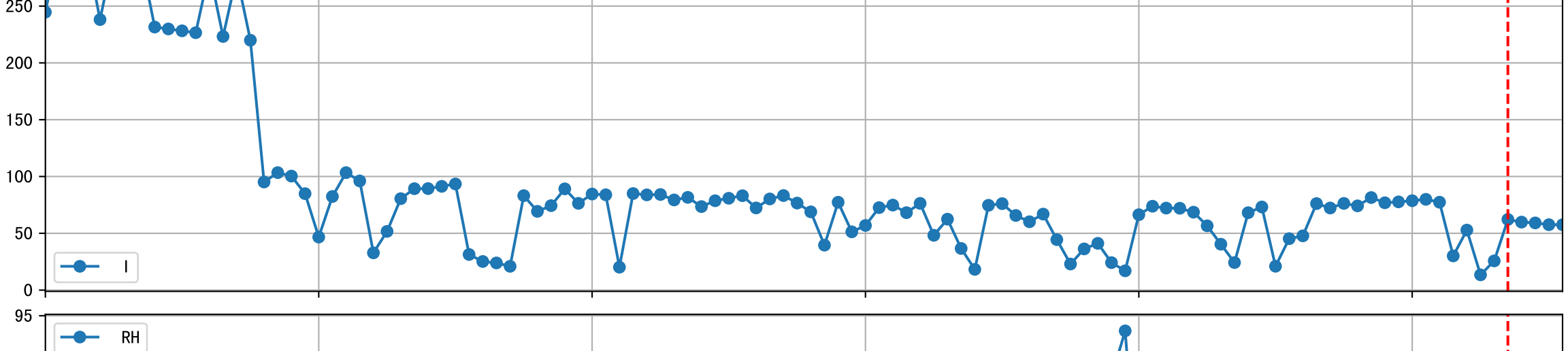


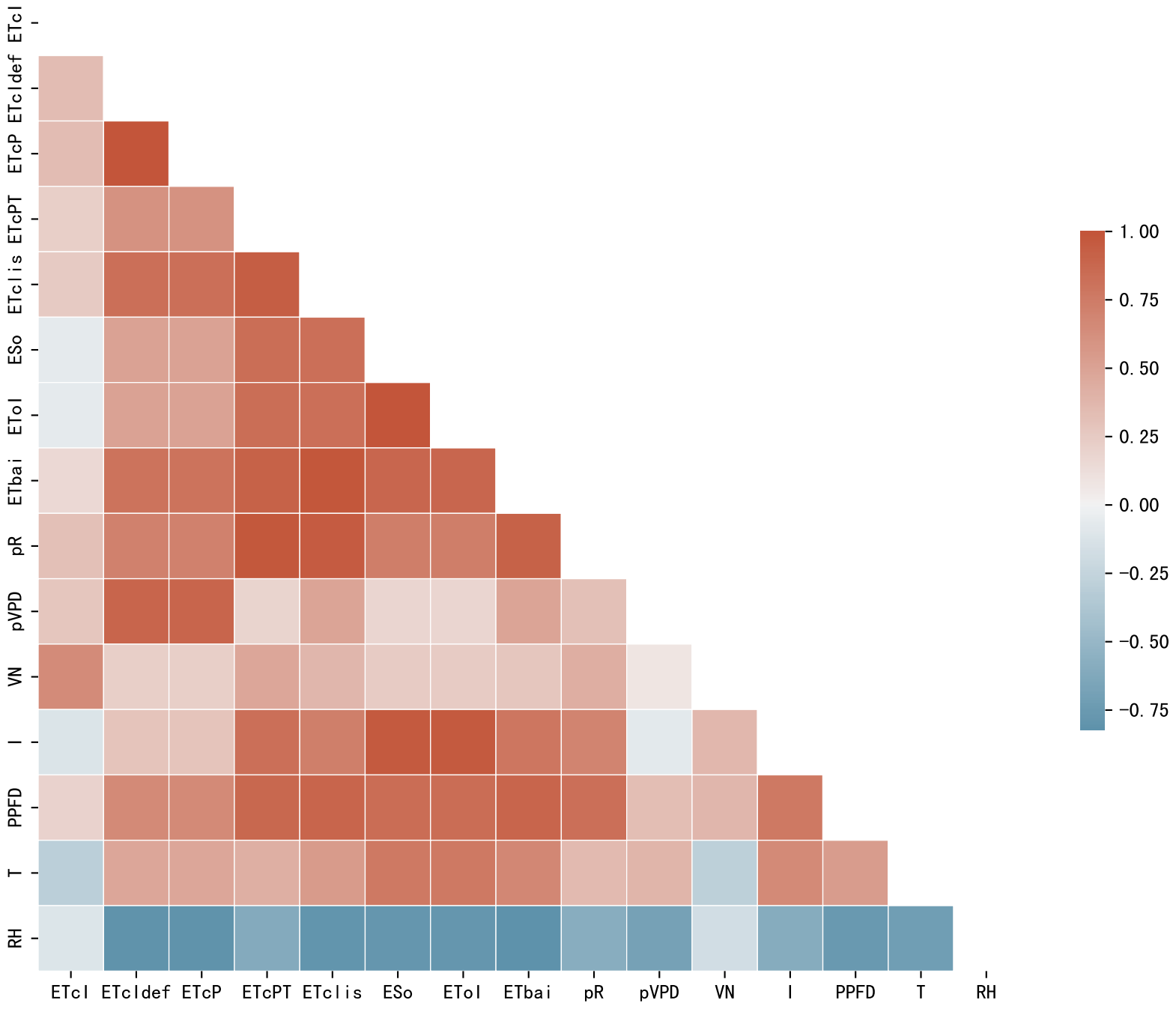


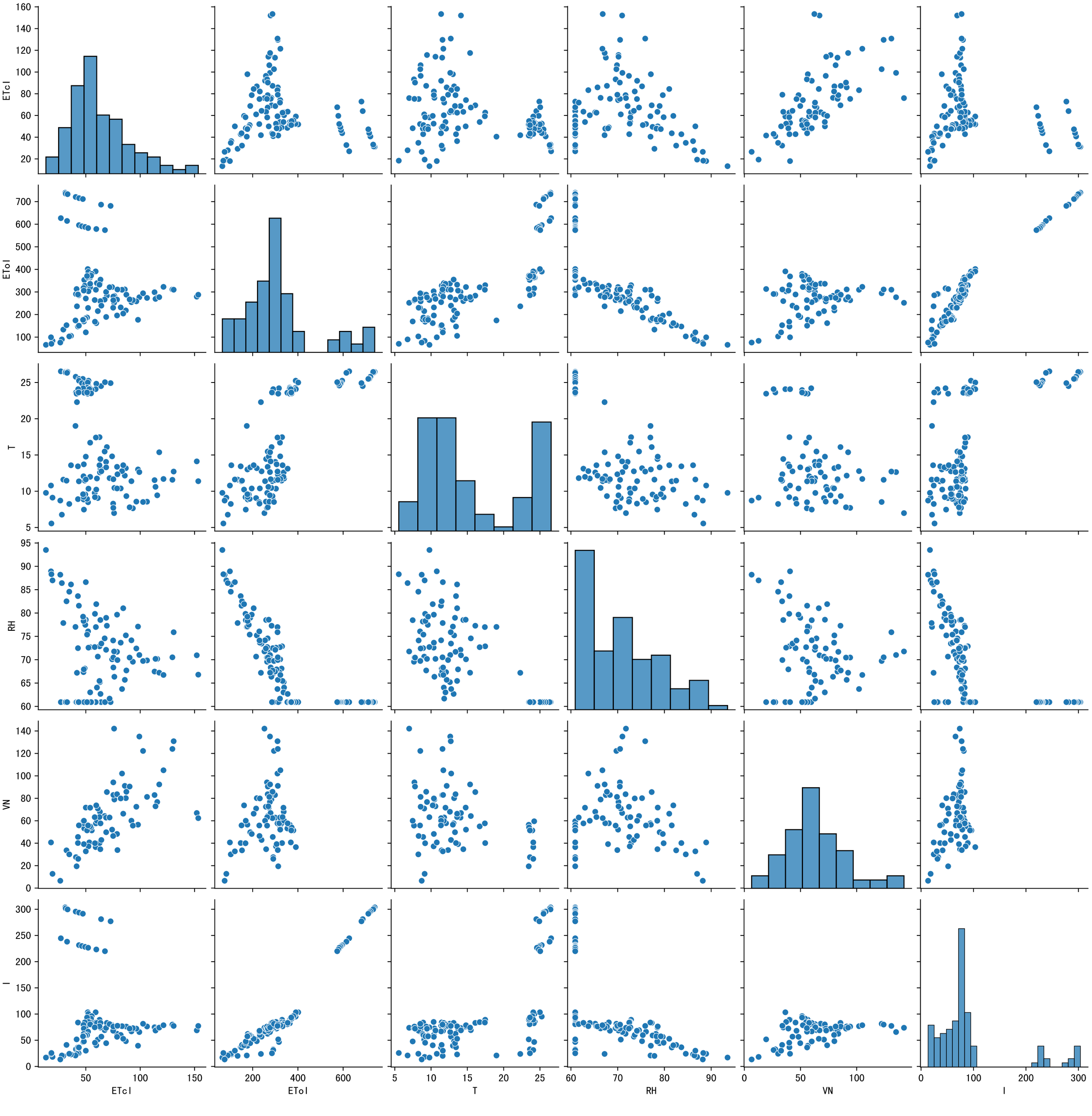


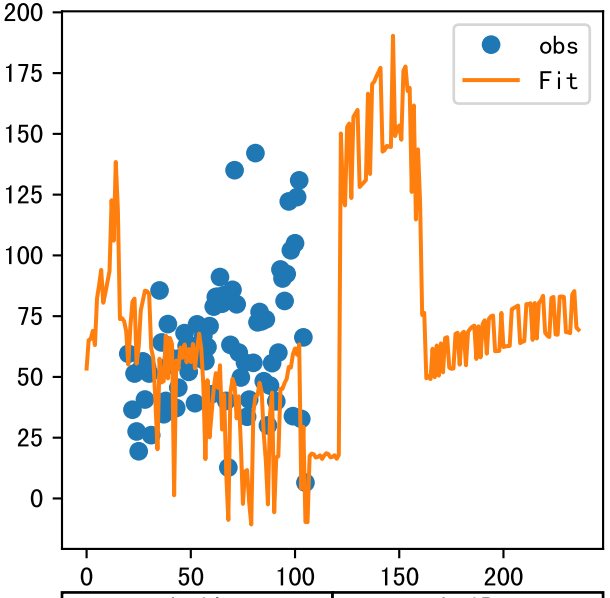


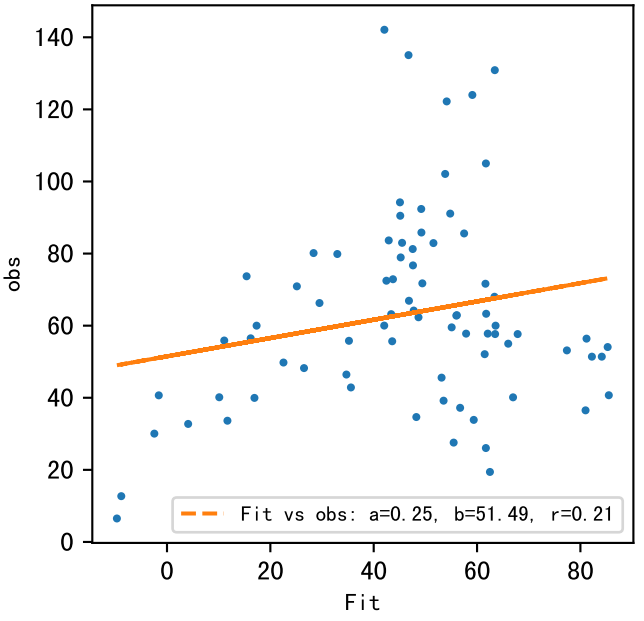




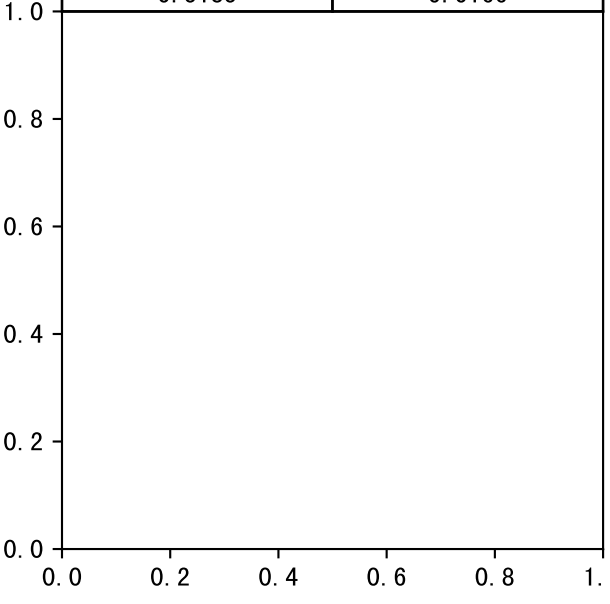

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

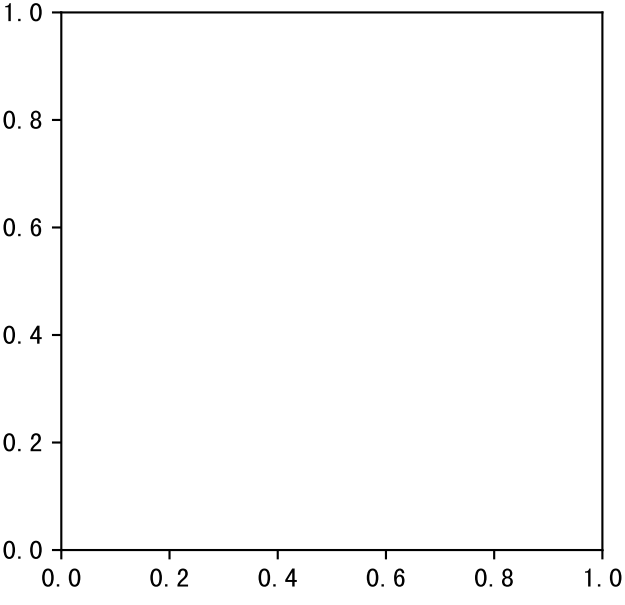

ETcI
ETo I
T
RH
VN
I
ETcI
ETo I
T
RH
VN
I

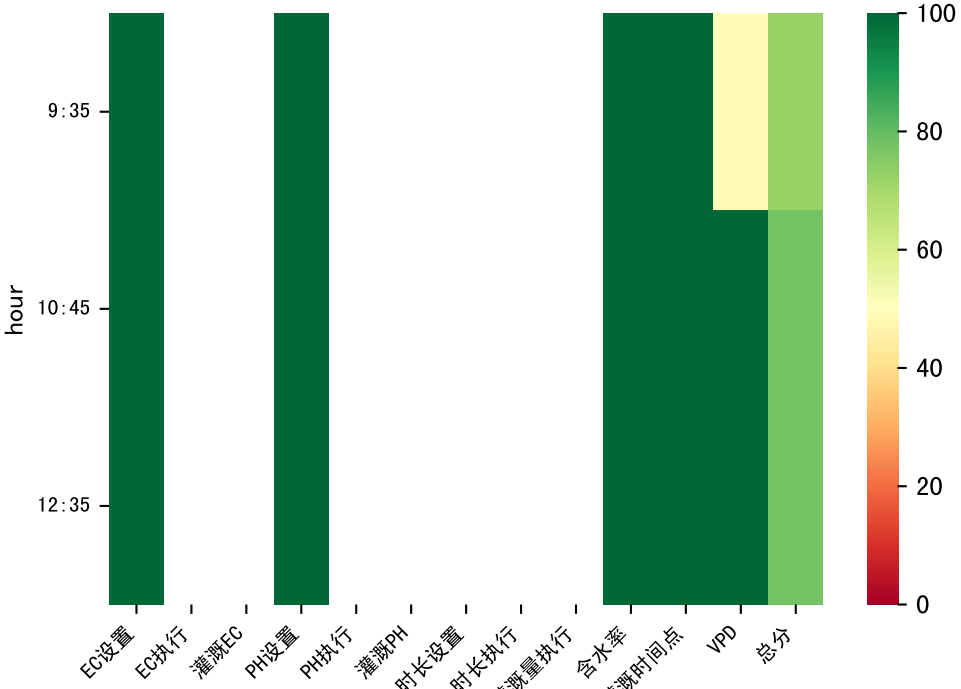




baiA	baiB
0.5135	0.0166

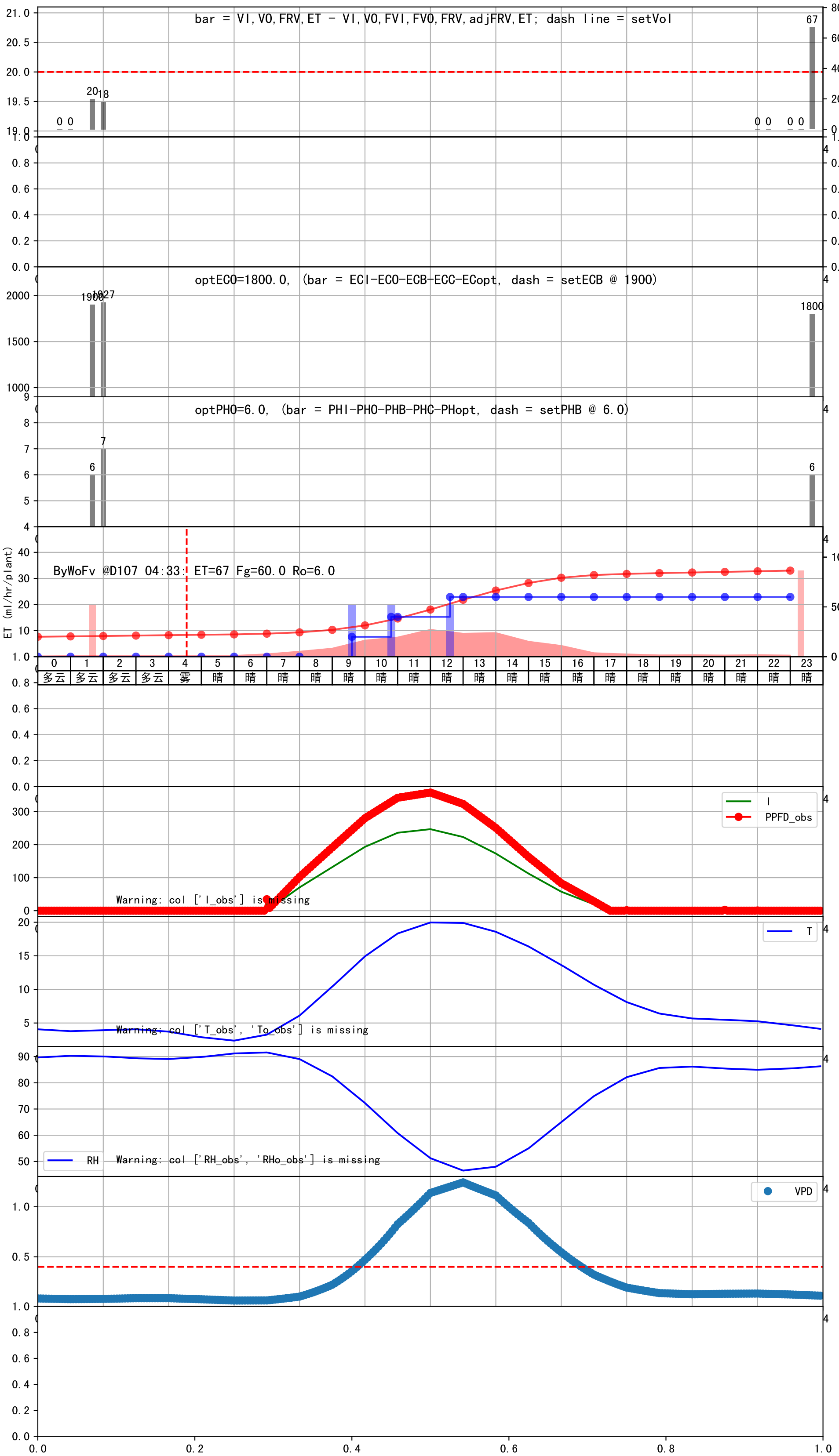


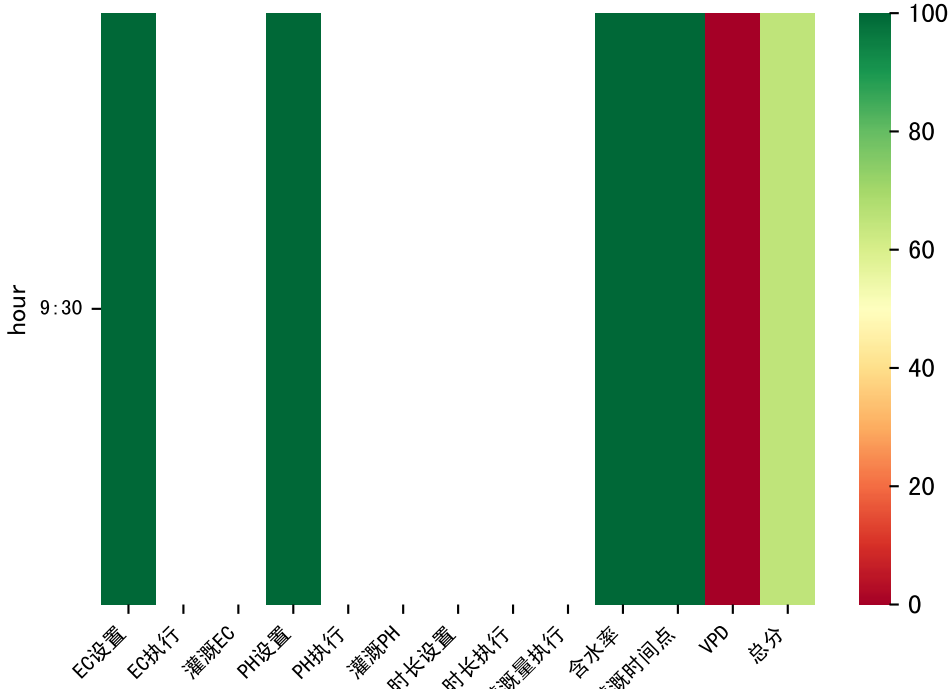



hour
9:35
10:45
12:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:35	33	20.0	0.081	晴	预期@09:35 自主（未用传感器）
10:45	33	20.0	0.081	晴	预期@10:45 自主（未用传感器）
12:35	33	20.0	0.081	晴	预期@12:35 自主（未用传感器）
总计	99.0 (3次)	60.0			建议进液EC：1900， PH：6.0

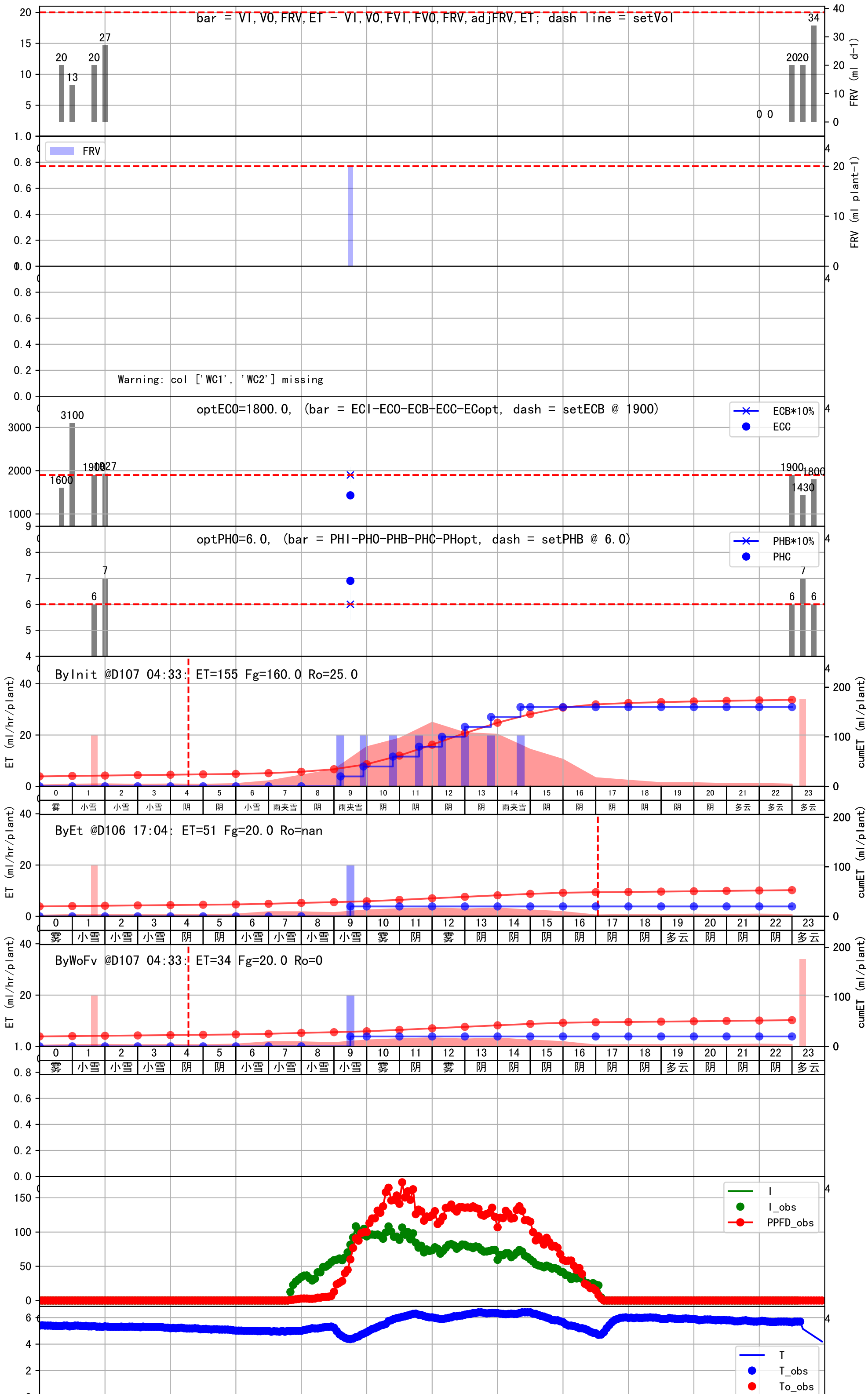
L1A3_3, Day=107 (2026-01-21)

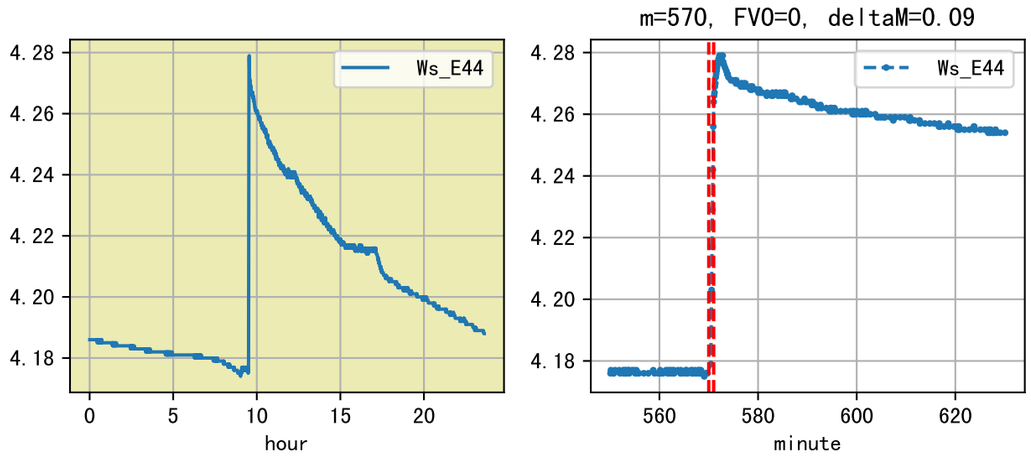


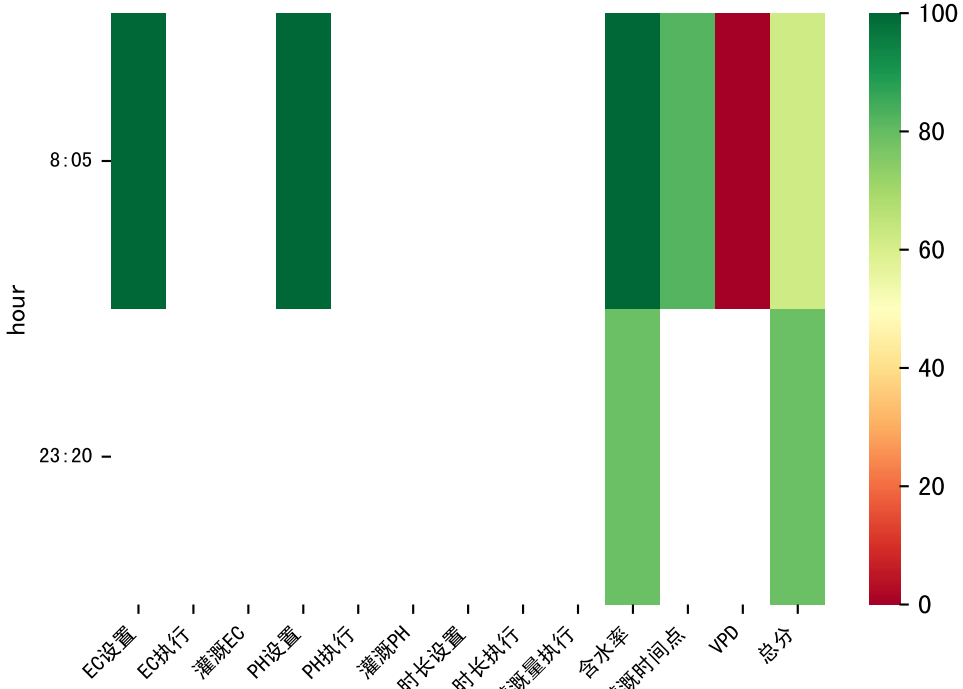

hour
9:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:30	33	20.0	0.081	小雪	假设@09:30 自动（未用传感器）
总计	33.0 (1次)	20.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=106.0 (2026-01-20)

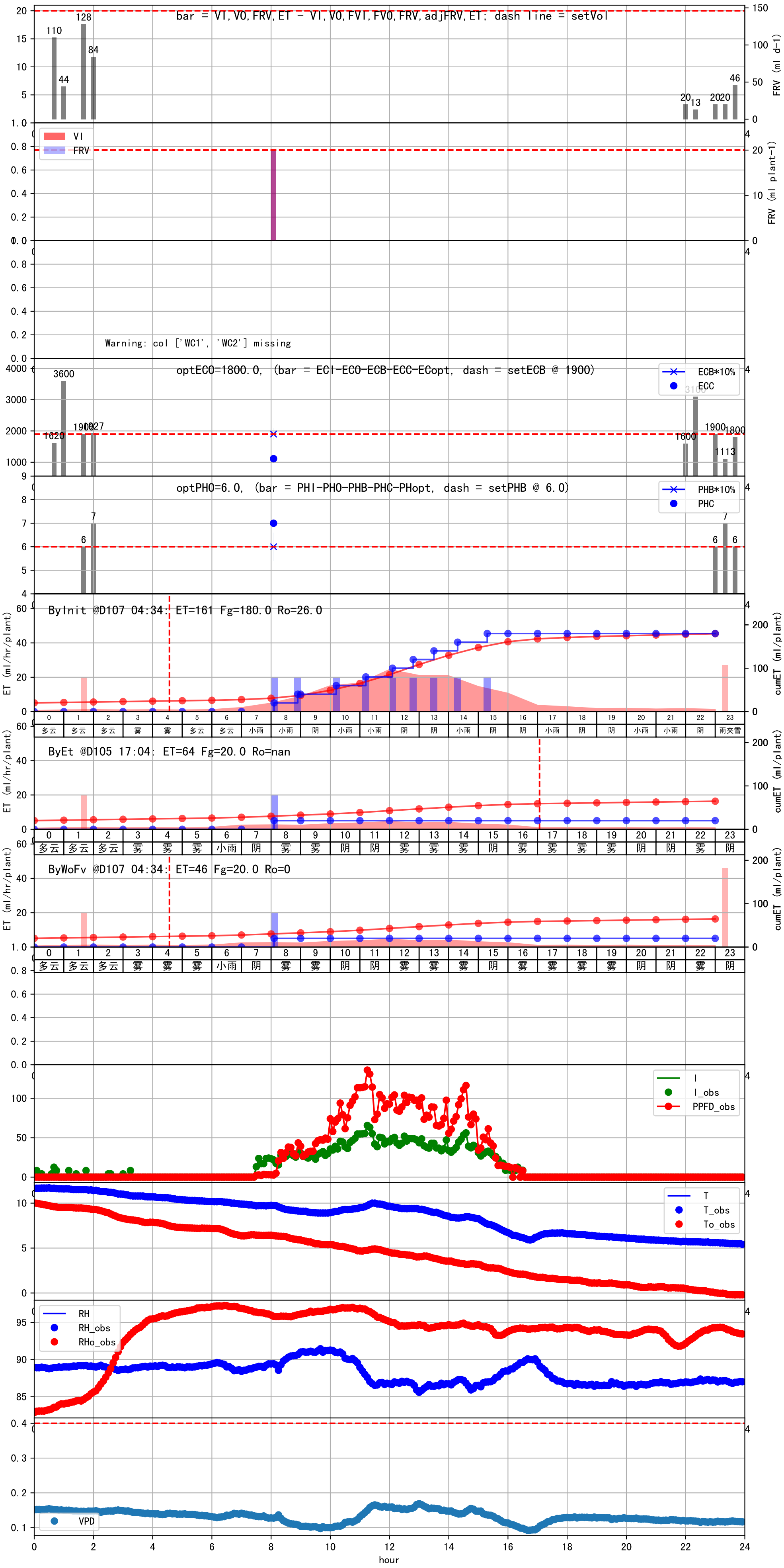


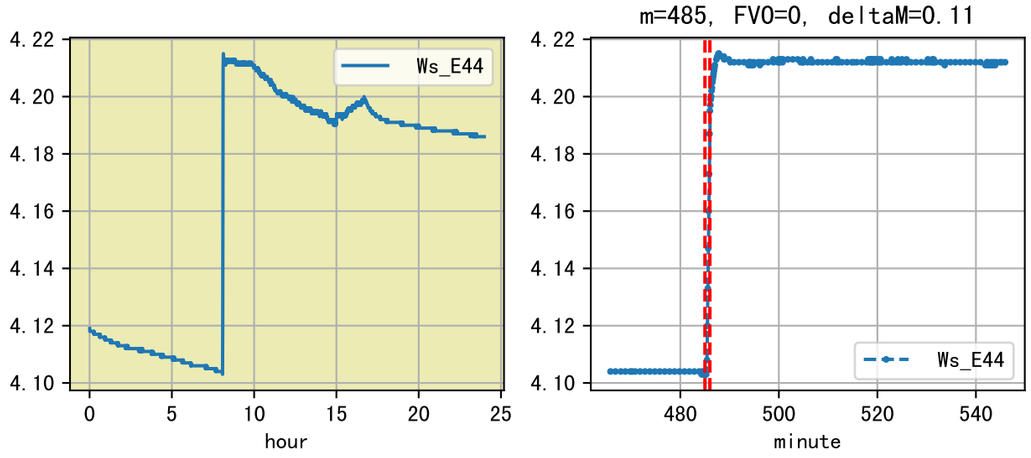

m=570, FV0=0, deltaM=0.09
Ws_E44
4.28
4.26
4.24
4.22
4.20
4.18
0
5
10
15
20
hour
Ws_E44
560
580
600
620
minute

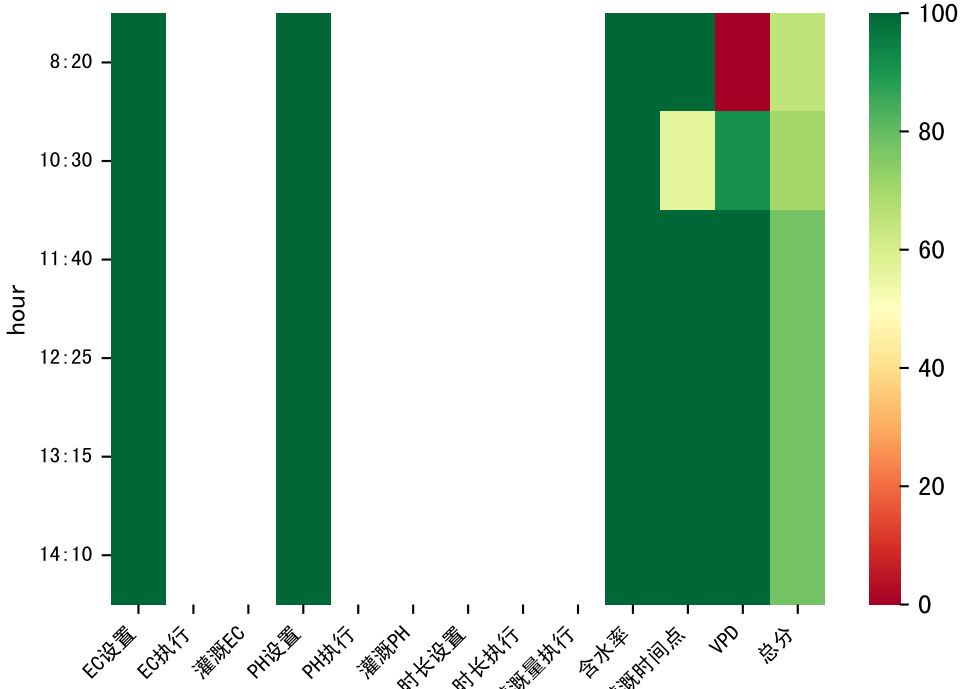

hour
8:05
23:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	33	20.0	0.081	雾	假设@08:05 自动（未用传感器）
总计	33.0 (1次)	20.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=105.0 (2026-01-19)



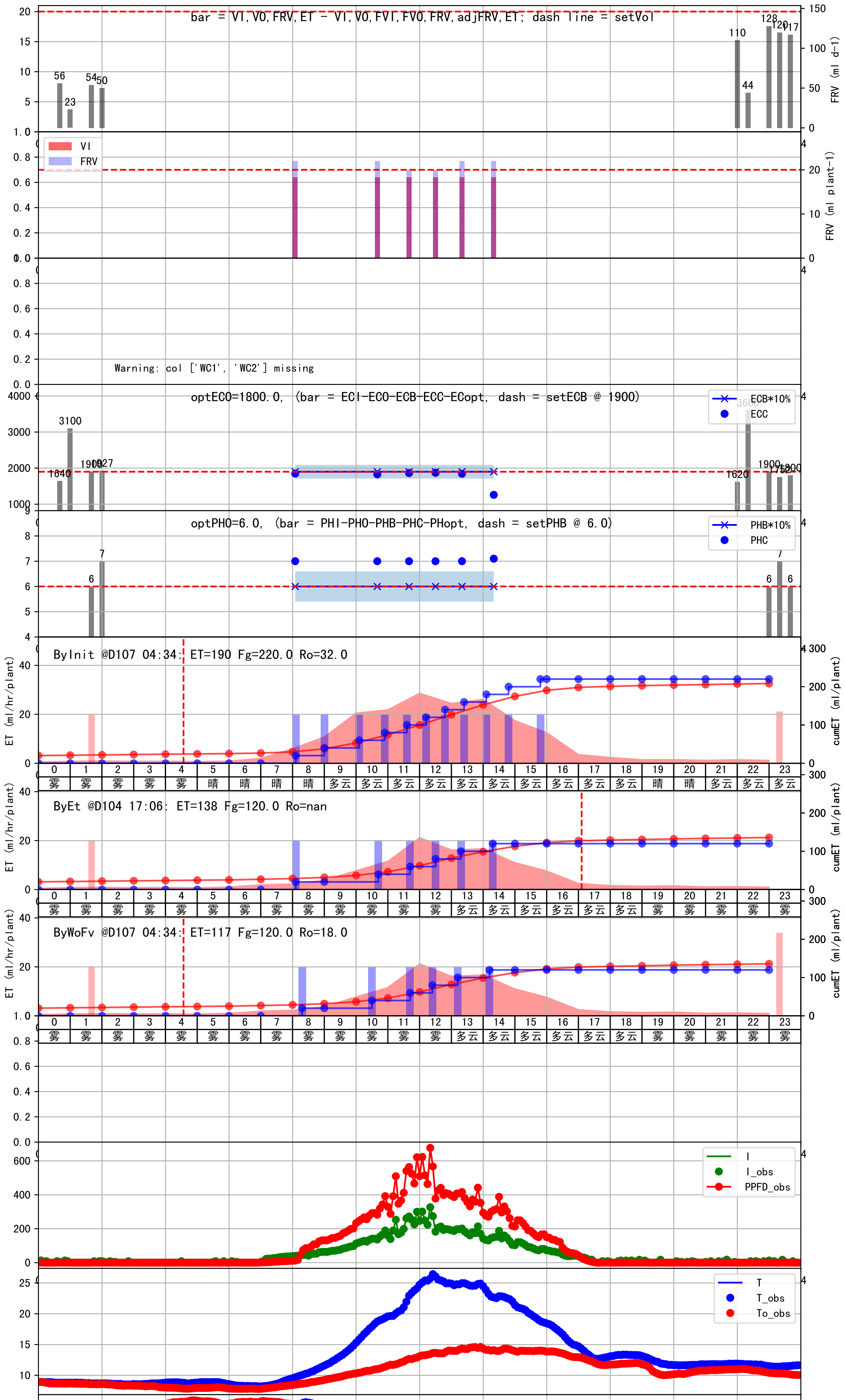

m=485, FV0=0, deltaM=0.11
Ws_E44
hour
minute
4.22
4.20
4.18
4.16
4.14
4.12
4.10
0
5
10
15
20
25
480
500
520
540

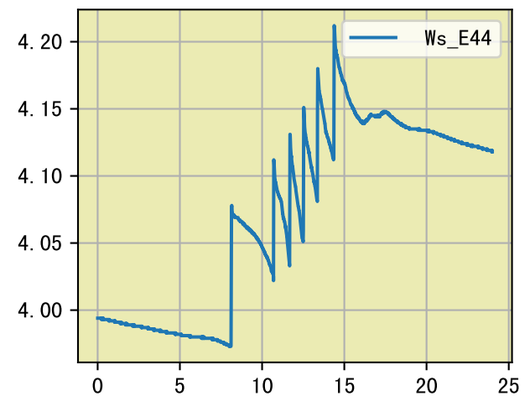

hour
8:20
10:30
11:40
12:25
13:15
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

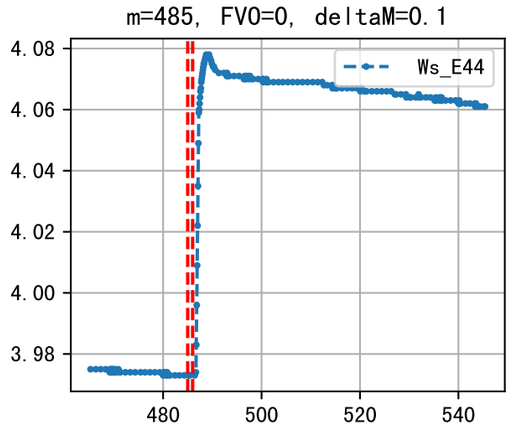
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	32	20.0	0.081	雾	假设@08:20 自动（未用传感器）
10:30	32	20.0	0.081	雾	假设@10:30 自动（未用传感器）
11:40	32	20.0	0.081	雾	假设@11:40 自动（未用传感器）
12:25	32	20.0	0.081	雾	假设@12:25 自动（未用传感器）
13:15	32	20.0	0.081	多云	假设@13:15 自动（未用传感器）
14:10	32	20.0	0.081	多云	假设@14:10 自动（未用传感器）
总计	192.0 (6次)	120.0			建议进液EC：1900， PH：6.0

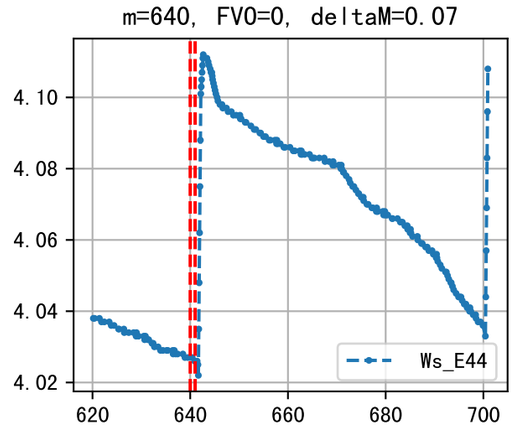
上次灌溉流速比平时大 (0.69 vs 0.59))，可能有多阀同灌或管道漏水
默认实际灌溉20.0 ml.

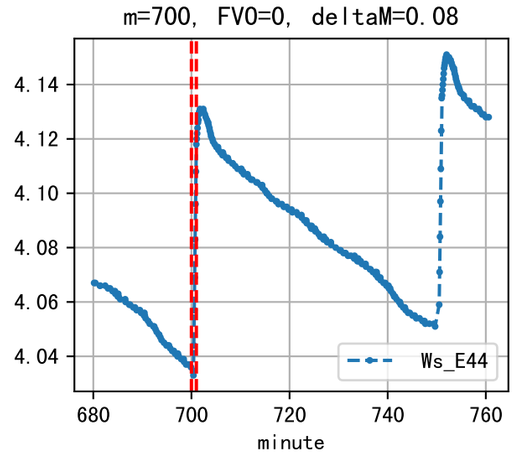
L1A3_3, Day=104.0 (2026-01-18)

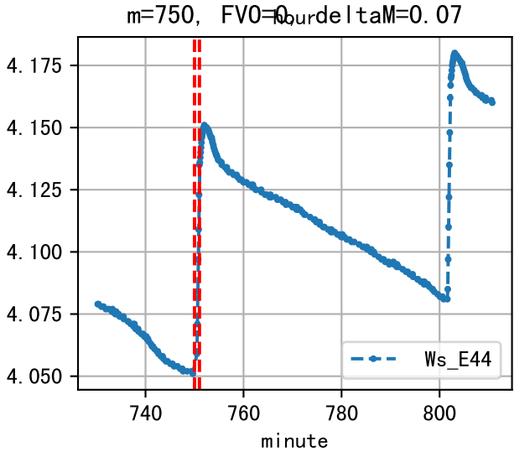


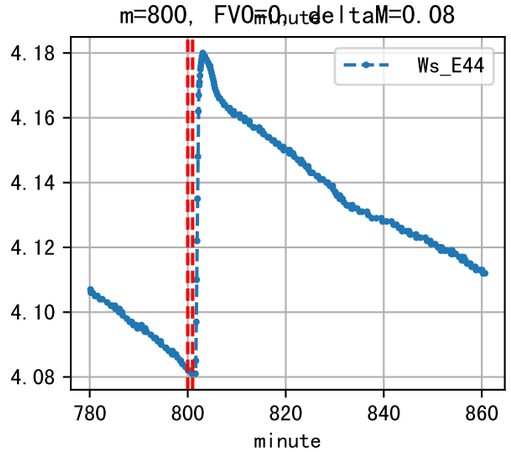

Ws_E44

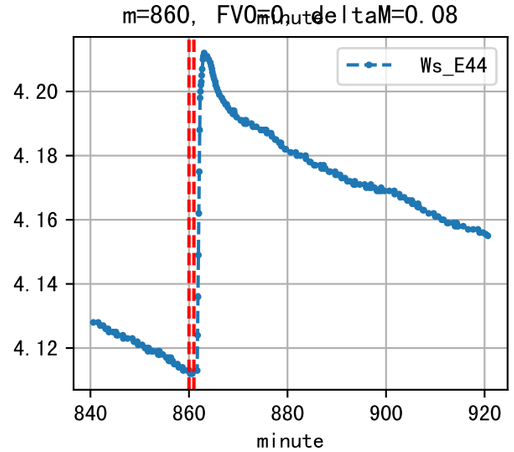

m=485, FV0=0, deltaM=0.1
Ws_E44

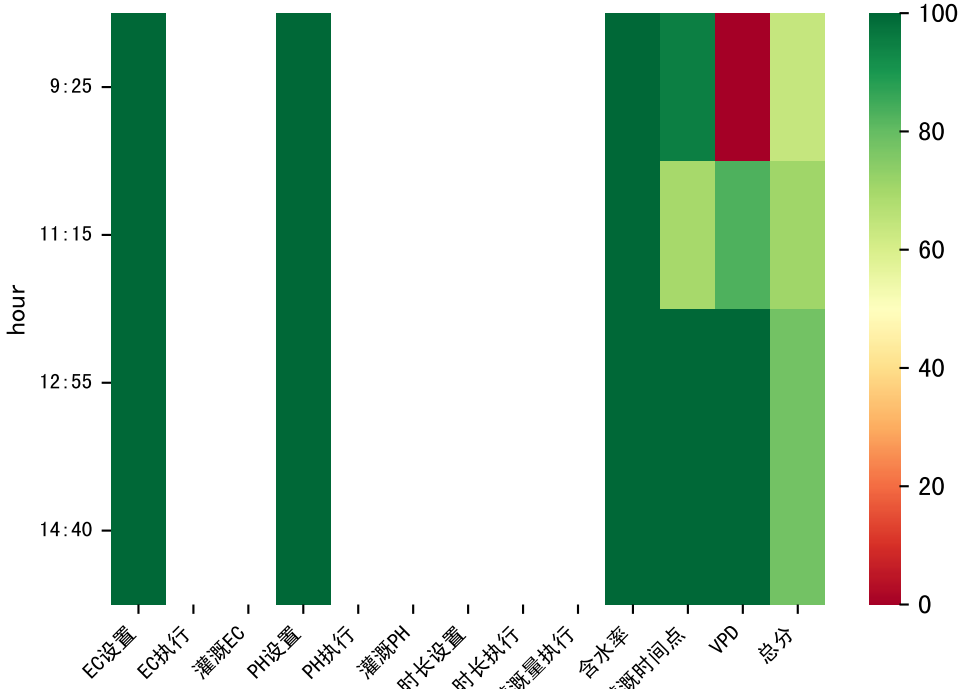

m=640, FV0=0, deltaM=0.07
Ws_E44


m=700, FV0=0, deltaM=0.08
Ws_E44
minute


m=750, FV0=0, deltaM=0.07
Ws_E44
minute

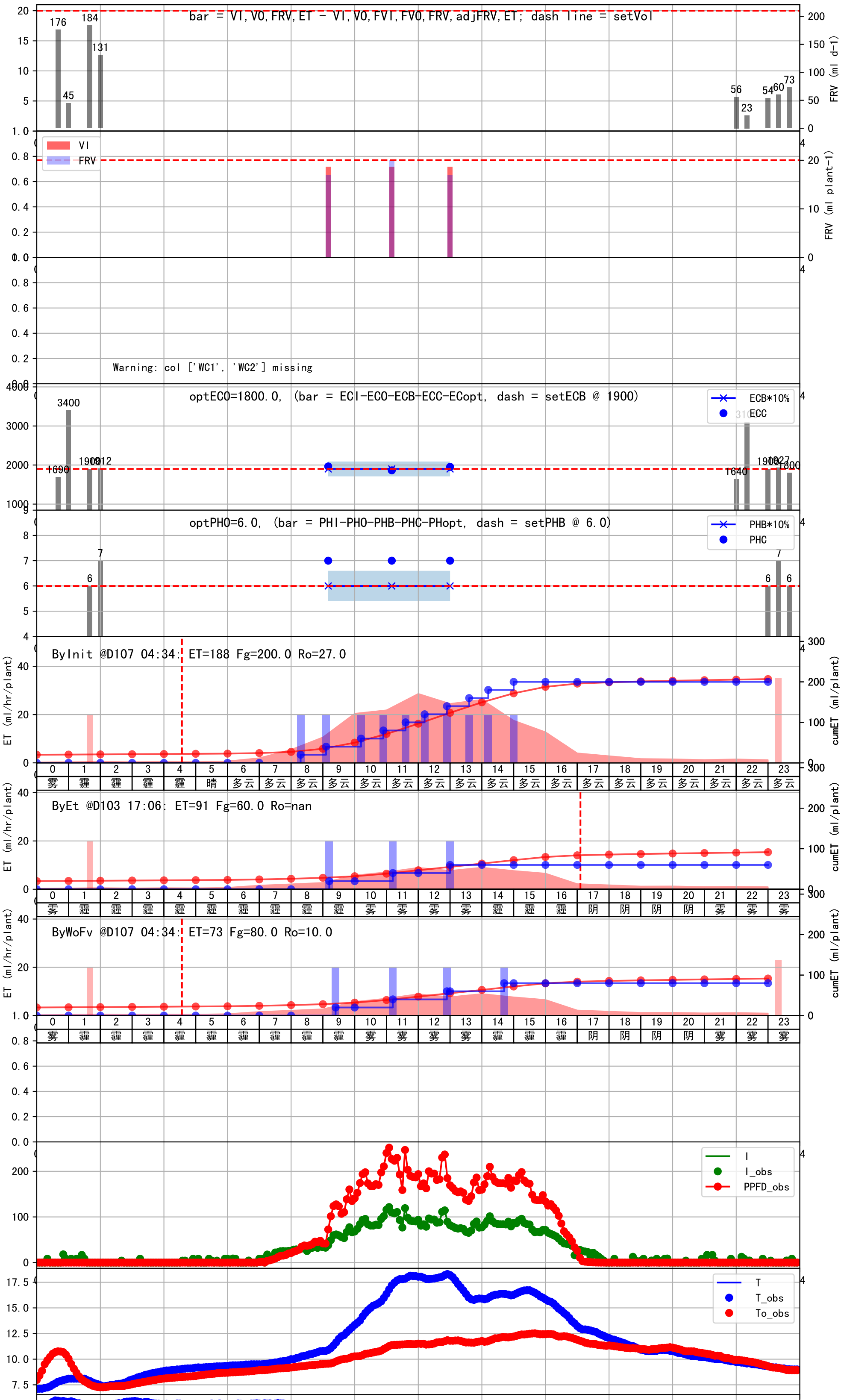

m=800, FV0=0, deltaM=0.08
Ws_E44
minute

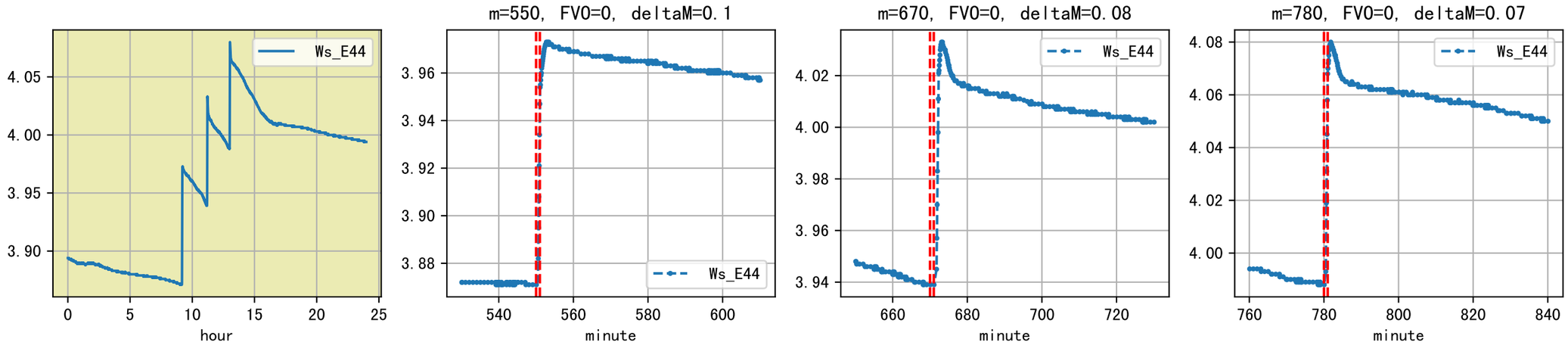

m=860, FV0=0, deltaM=0.08
Ws_E44
minute


hour
9:25
11:15
12:55
14:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	31	20.0	0.081	霾	假设@09:25 自动（未用传感器）
11:15	31	20.0	0.081	雾	假设@11:15 自动（未用传感器）
12:55	31	20.0	0.081	雾	假设@12:55 自动（未用传感器）
14:40	31	20.0	0.081	霾	假设@14:40 自动（未用传感器）
总计	124.0 (4次)	80.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=103.0 (2026-01-17)




Ws_E44
4.05
4.00
3.95
3.90
0
5
10
15
20
25
hour
m=550, FVO=0, deltaM=0.1
3.96
3.94
3.92
3.90
3.88
540
560
580
600
minute
Ws_E44
m=670, FVO=0, deltaM=0.08
4.02
4.00
3.98
3.96
3.94
660
680
700
720
minute
Ws_E44
m=780, FVO=0, deltaM=0.07
4.08
4.06
4.04
4.02
4.00
760
780
800
820
840
minute
Ws_E44