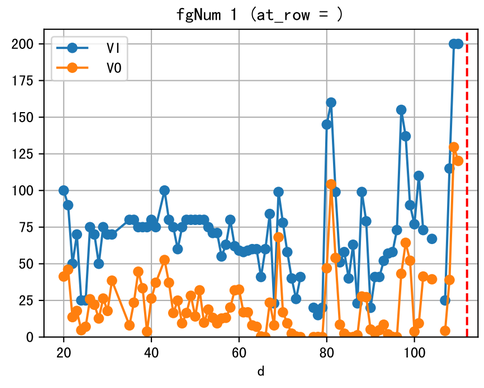
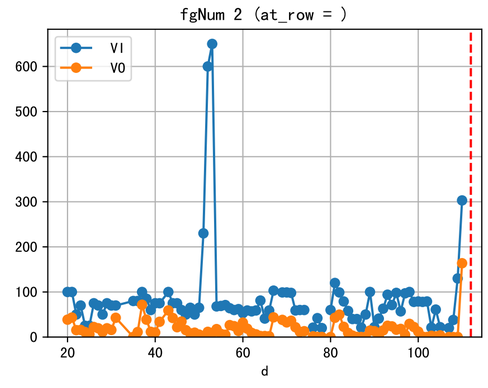
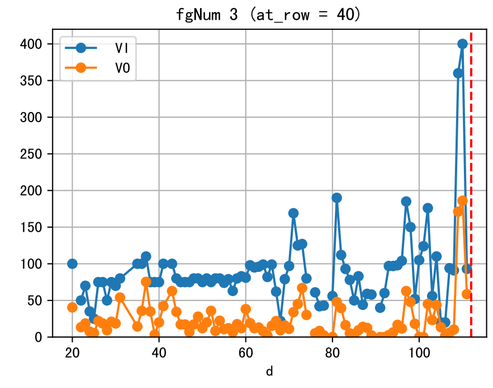
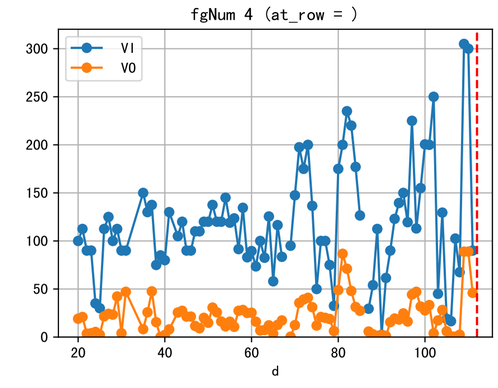
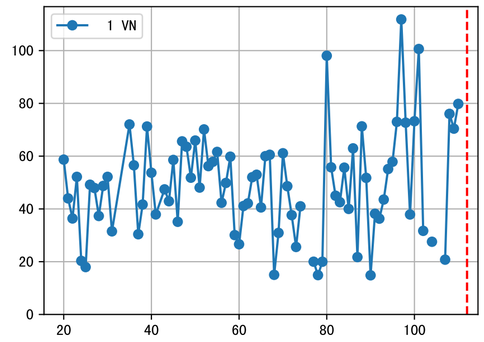
FgArea: ['3']
NJ15 L1
2026-01-26 (Day 112)

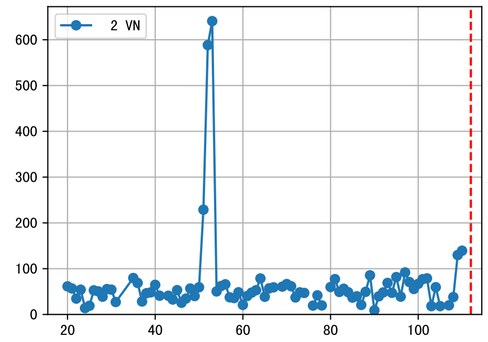

fgNum 1 (at_row =)
VI
VO
d

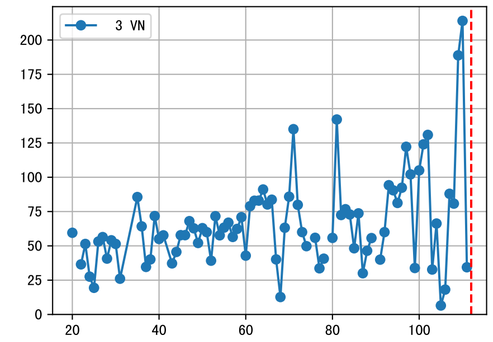

fgNum 2 (at_row =)
VI
VO
d

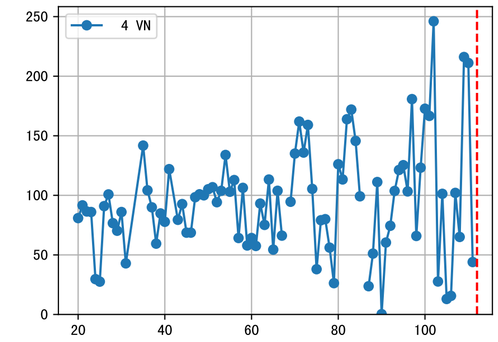

fgNum 3 (at_row = 40)
VI
VO
d

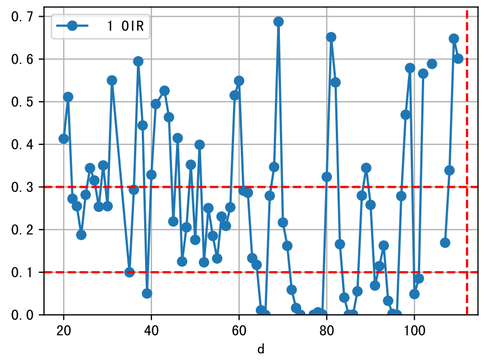

fgNum 4 (at_row =)
VI
VO
d

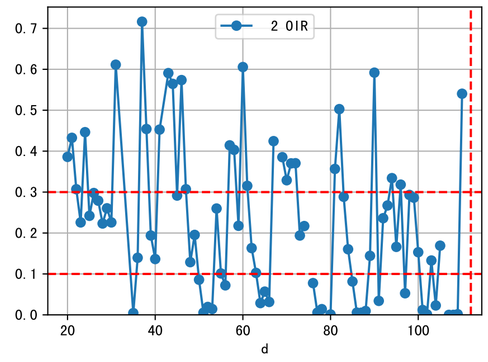

1 VN
d

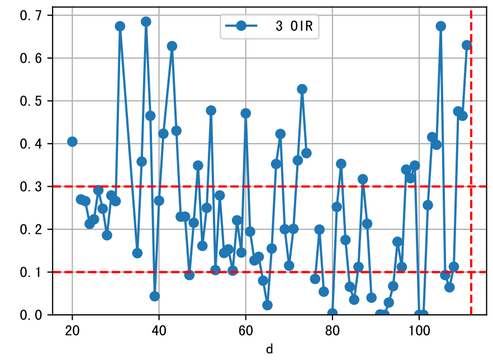

2 VN
d

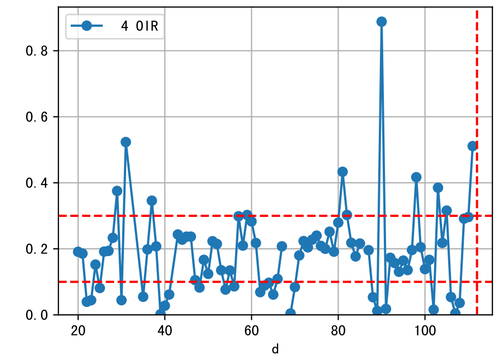

3 VN
d

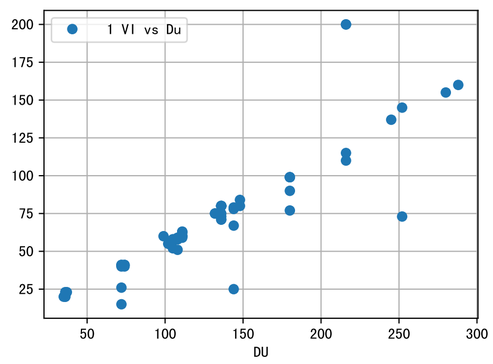

4 VN
d

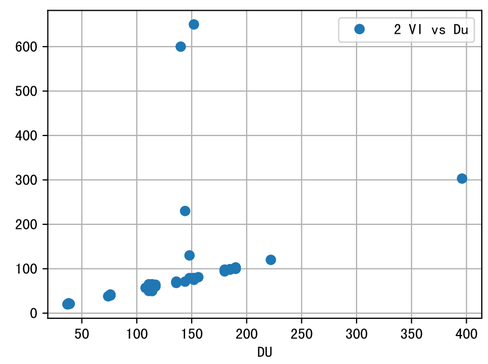

1 OIR
d

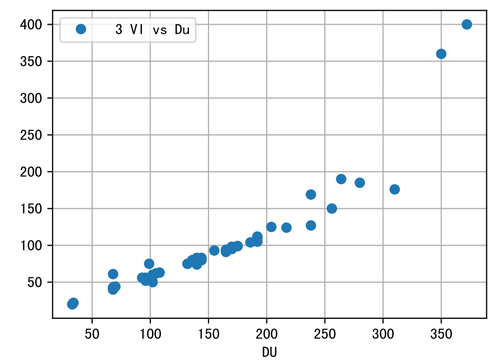

2 OIR
d

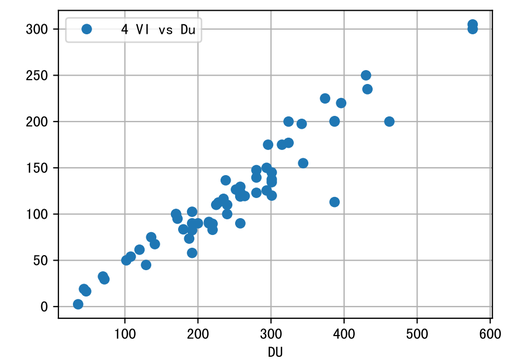

3 OIR
d

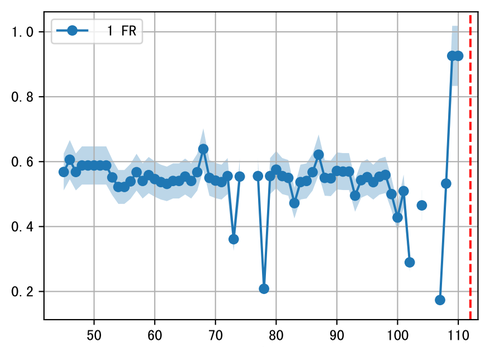

4 OIR
d

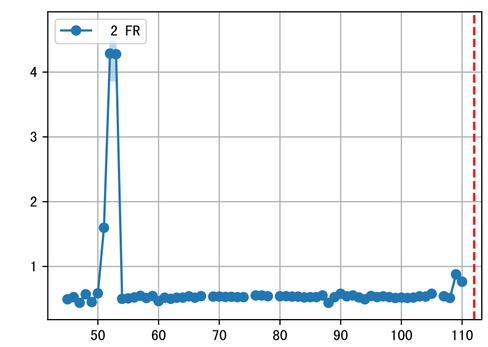

1 VI vs Du
DU

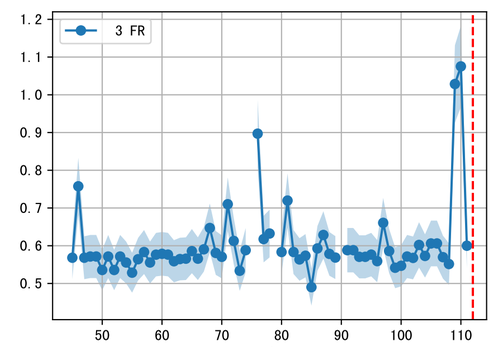

2 VI vs Du
DU

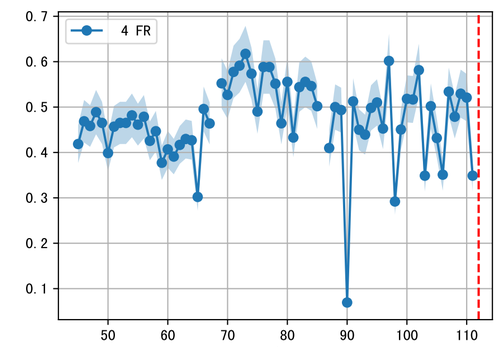

3 VI vs Du
DU

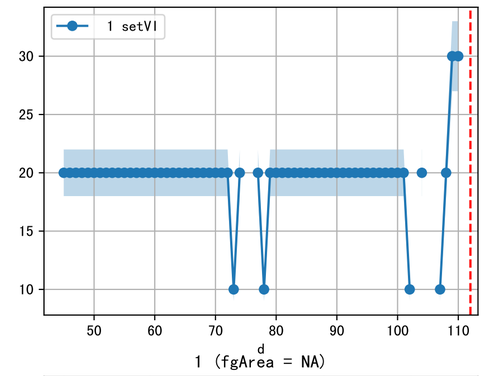

4 VI vs Du
DU

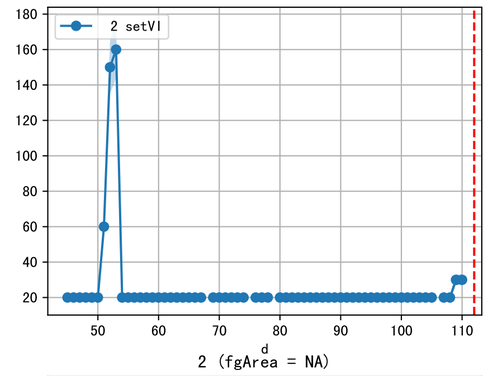

1 FR
d

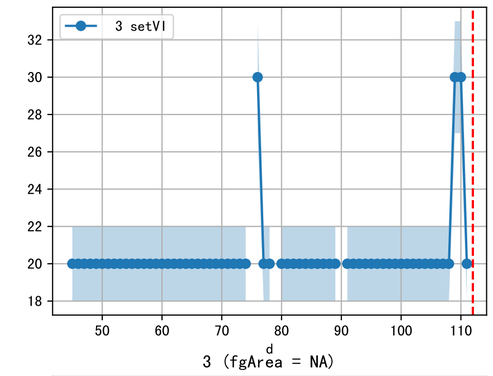

2 FR
d

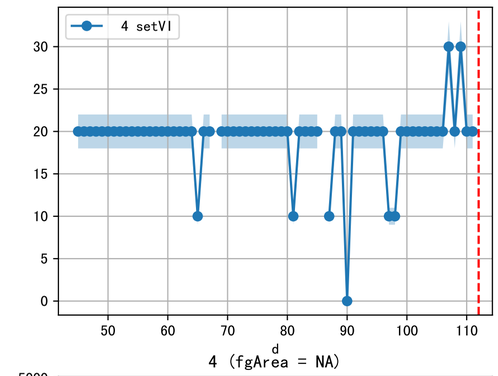

3 FR
d

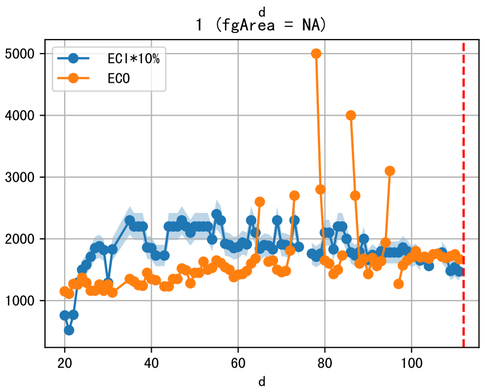

4 FR
d

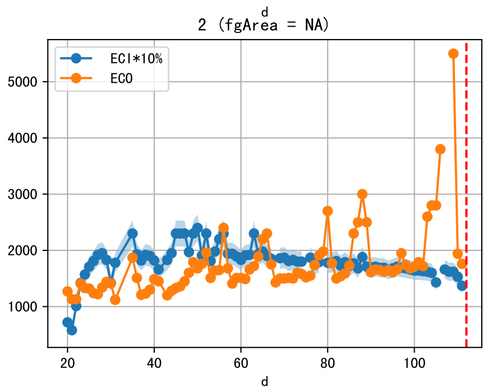

1 setVI
d

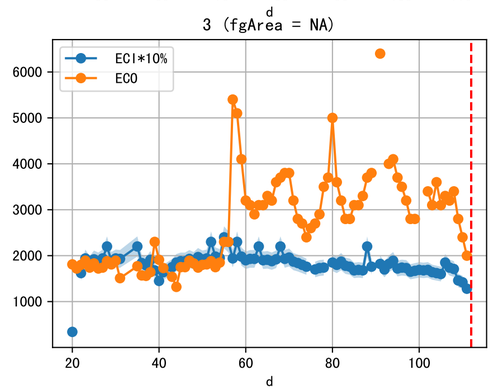

2 setVI
d

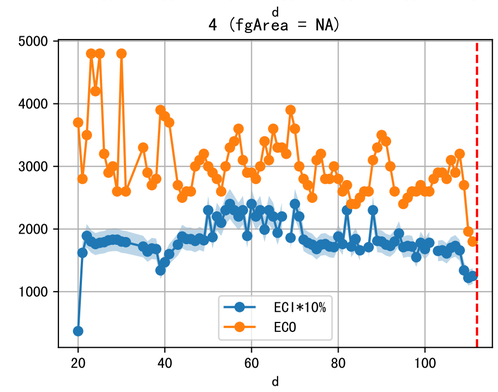

3 setVI
d

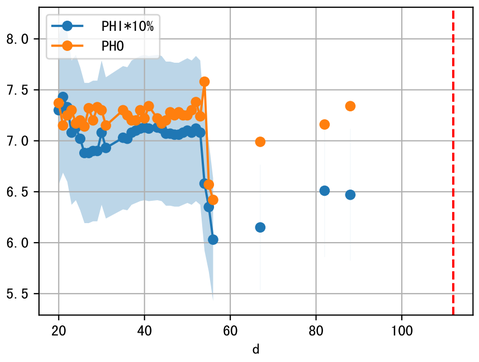

4 setVI
d

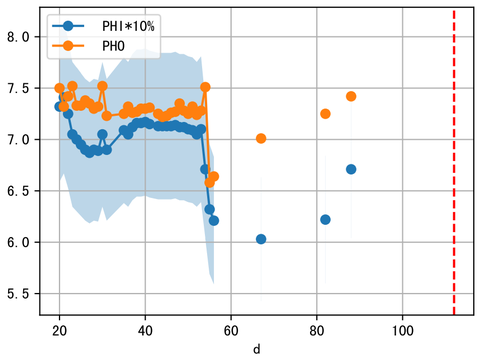

1 (fgArea = NA)
ECI*10%
ECO
d

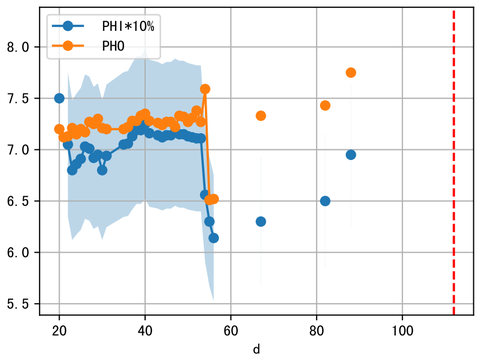

2 (fgArea = NA)
ECI*10%
ECO
d

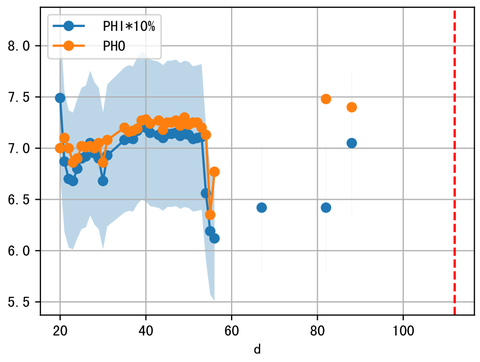

3 (fgArea = NA)
ECI*10%
ECO
d

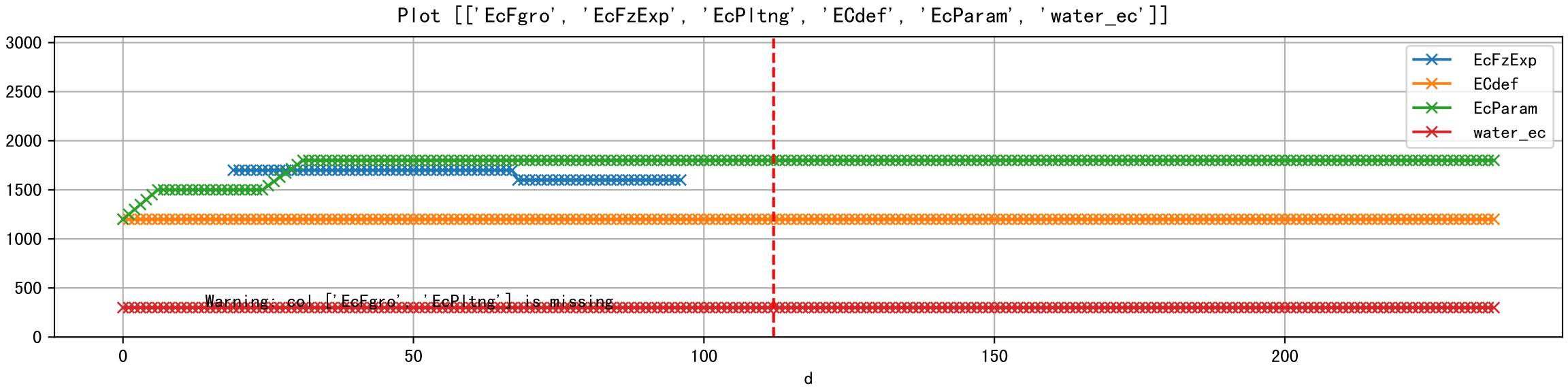

4 (fgArea = NA)
ECI*10%
ECO
d

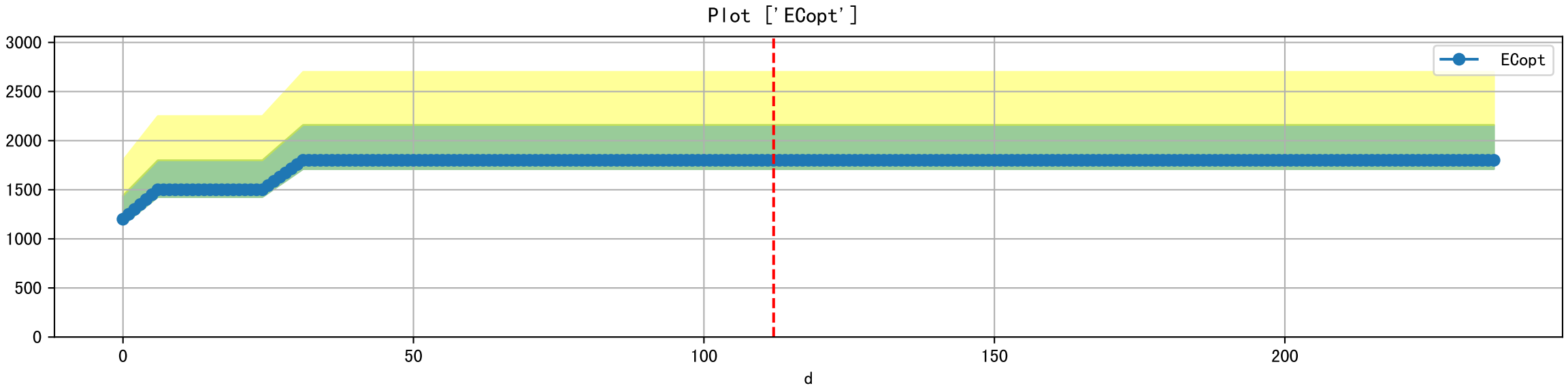

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d


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

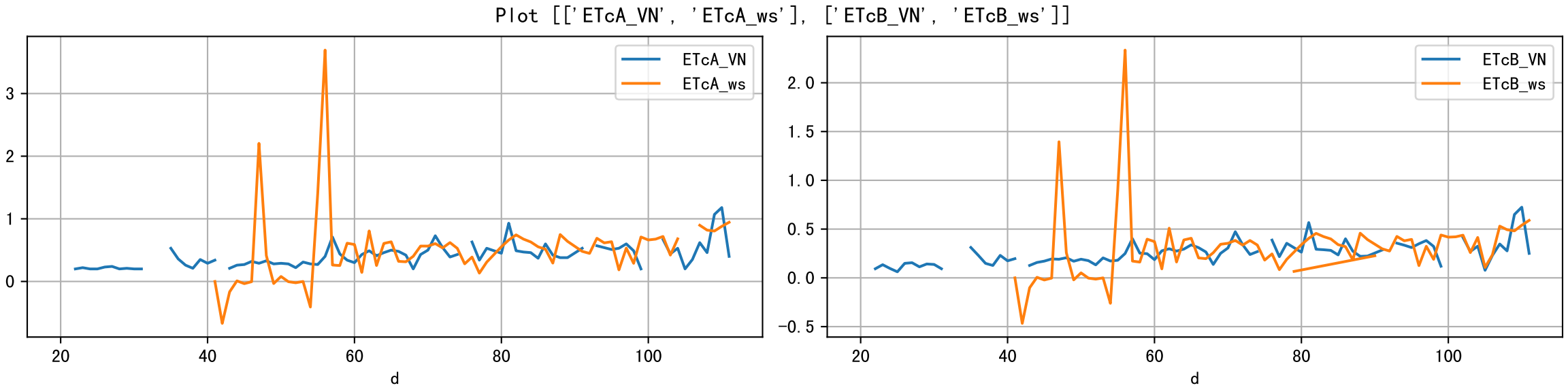

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

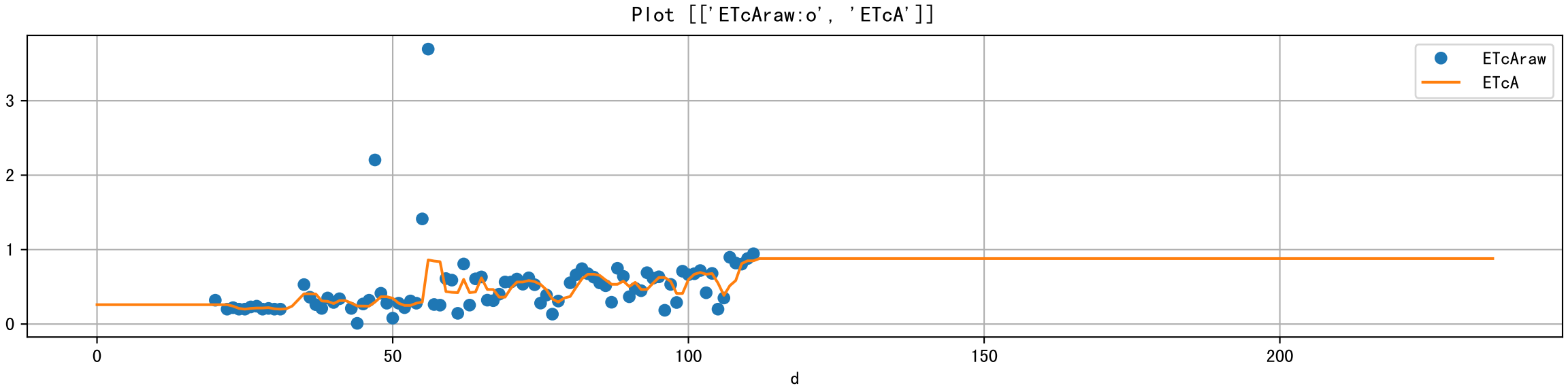

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

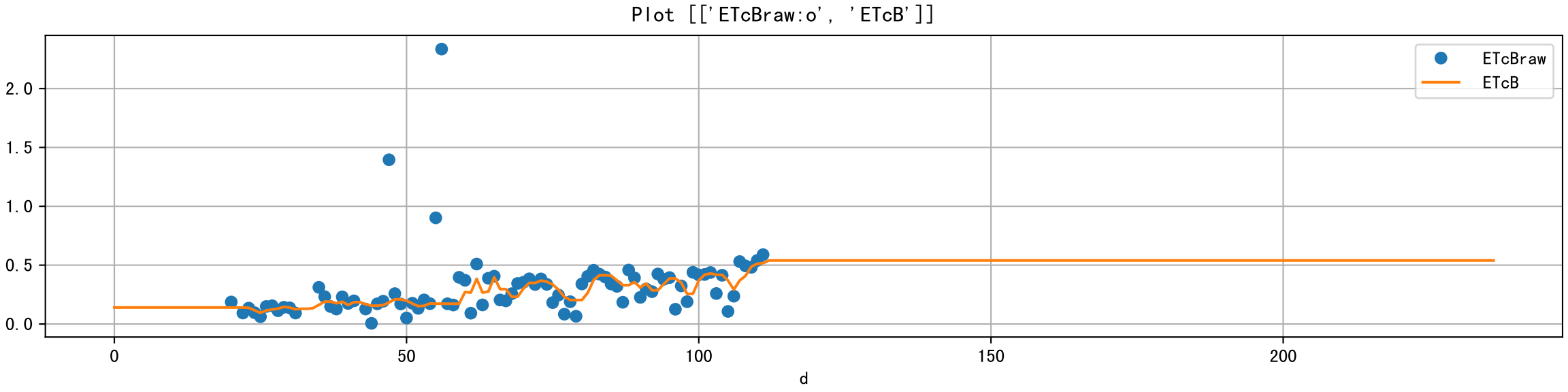

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


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

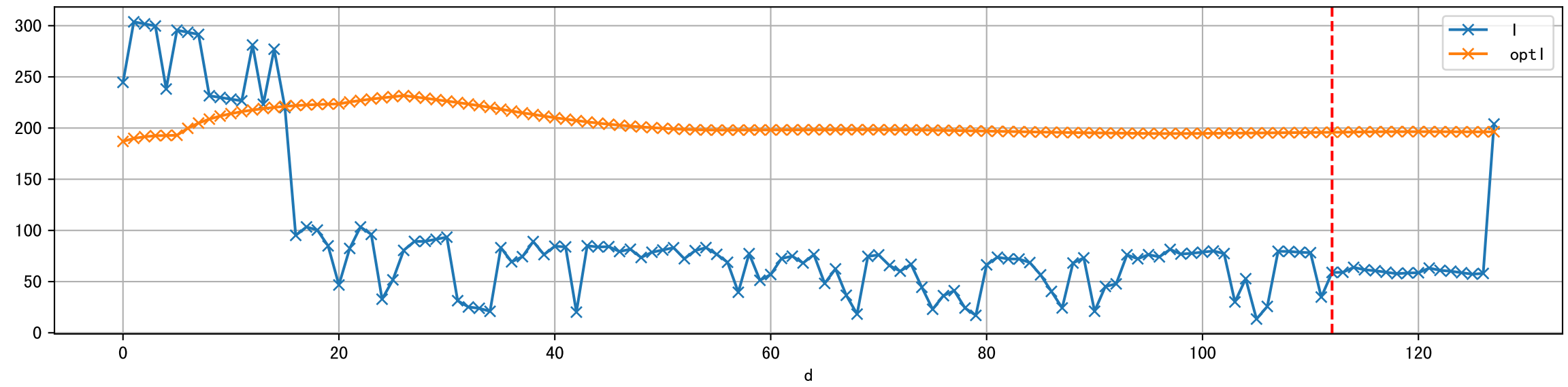
Plot Sensor and FgRec Data

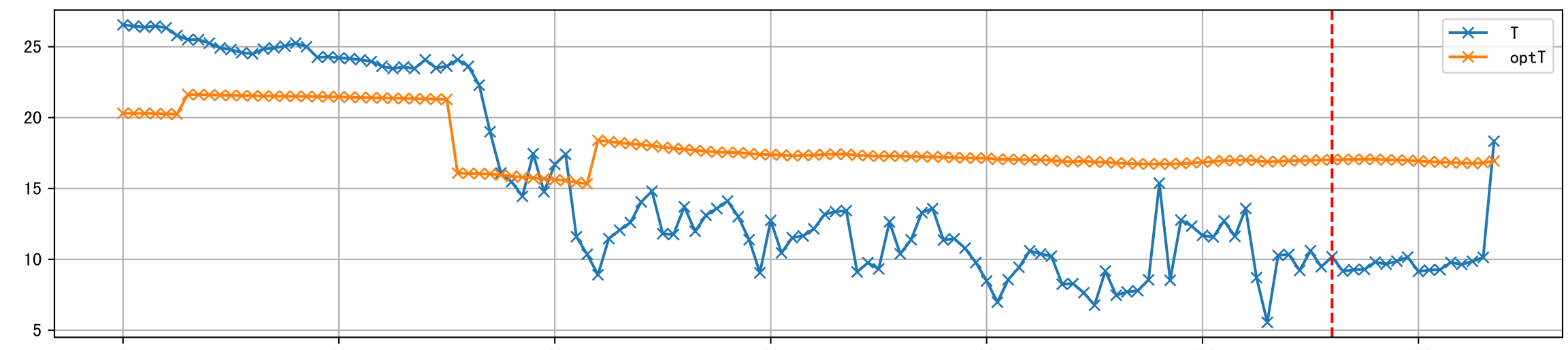

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
d
d

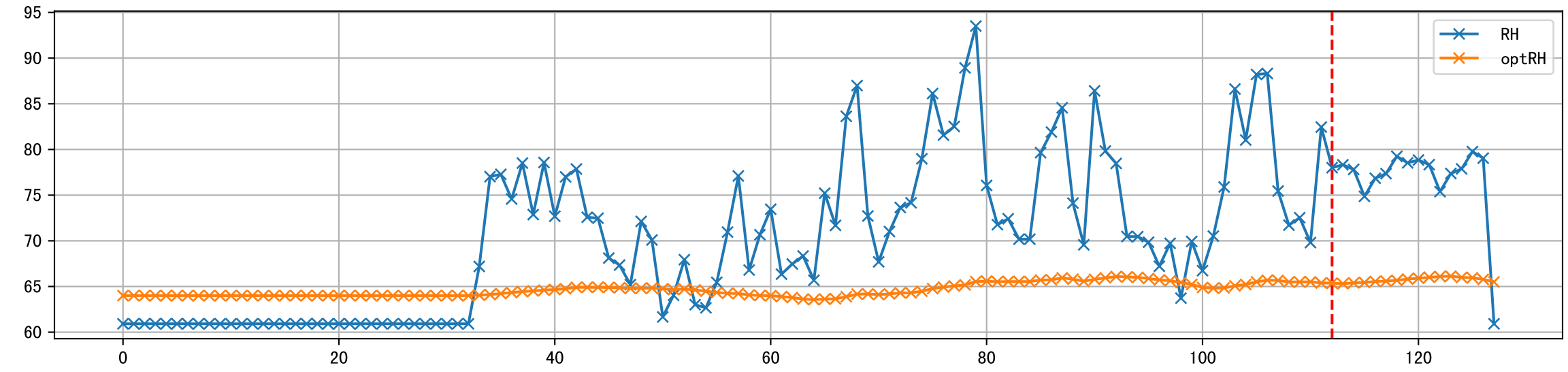

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3
2
1
0
0
50
100
150
200
d

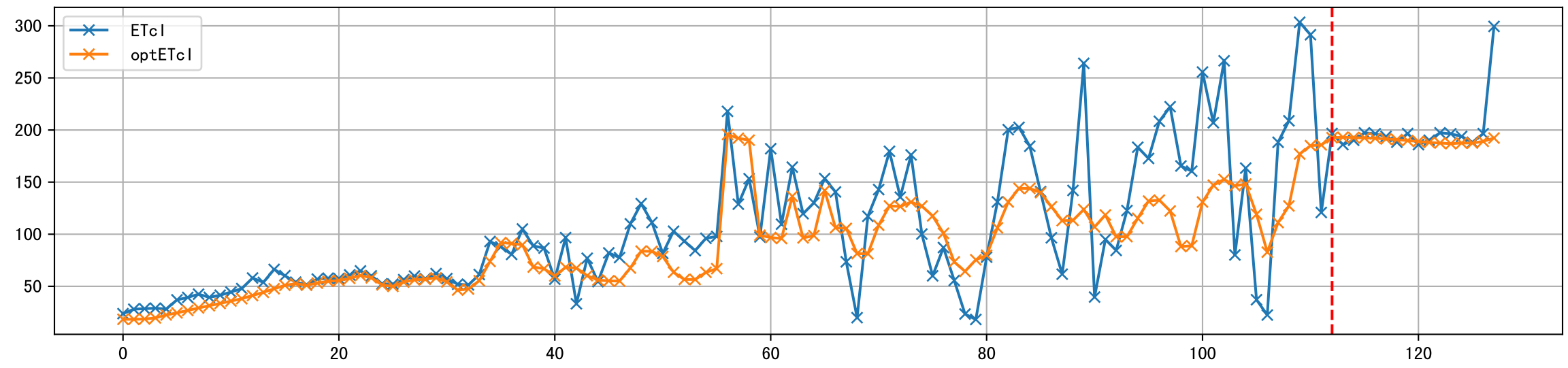

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

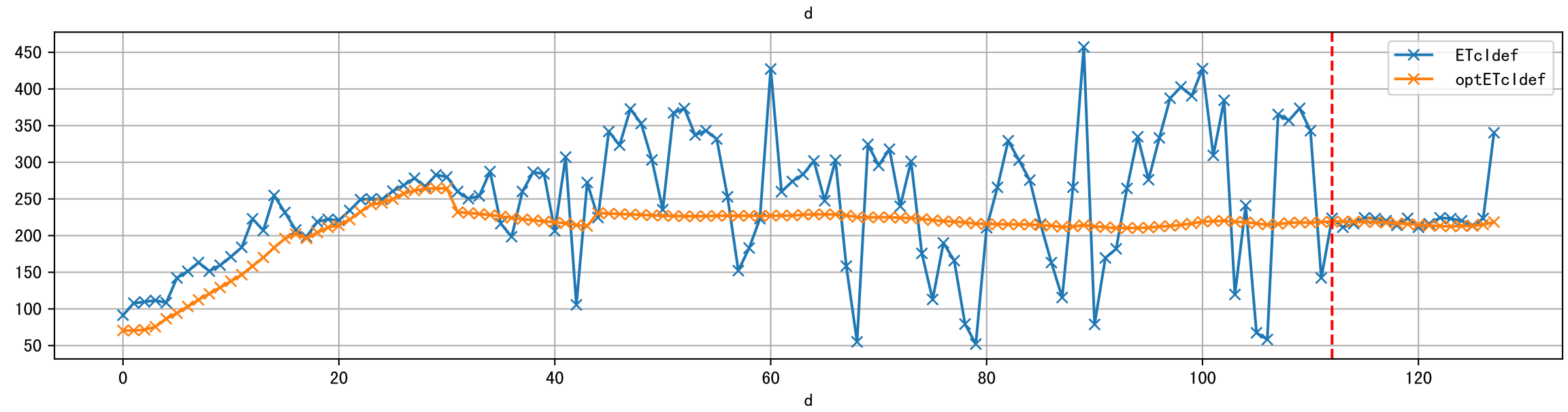
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

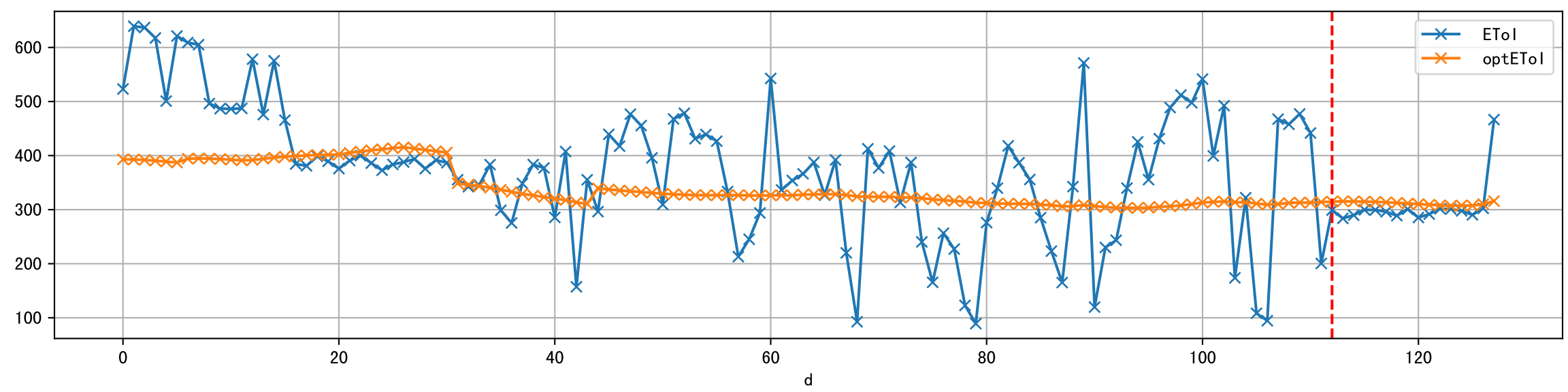


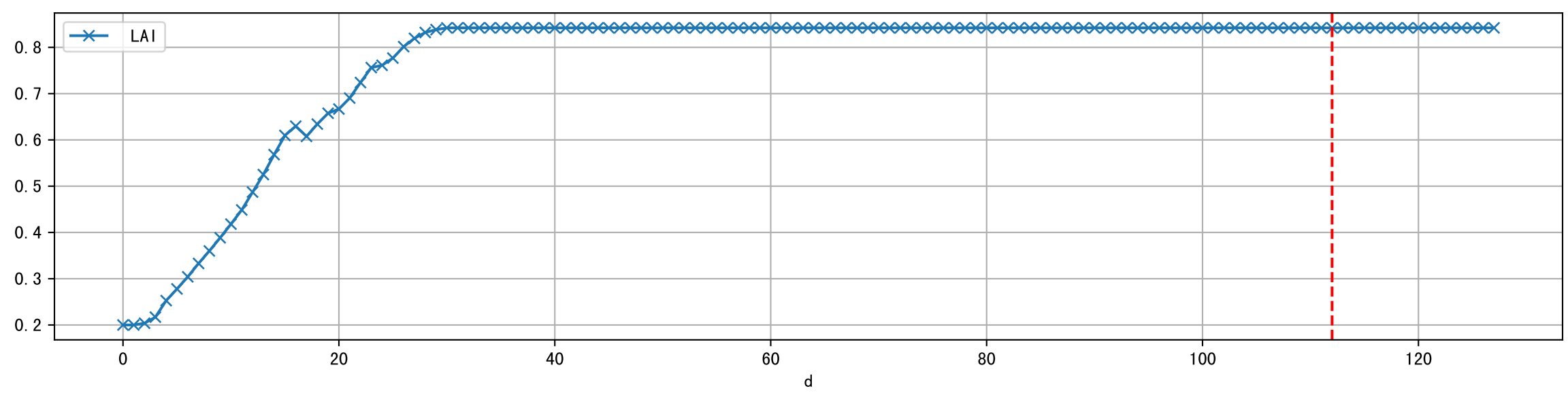


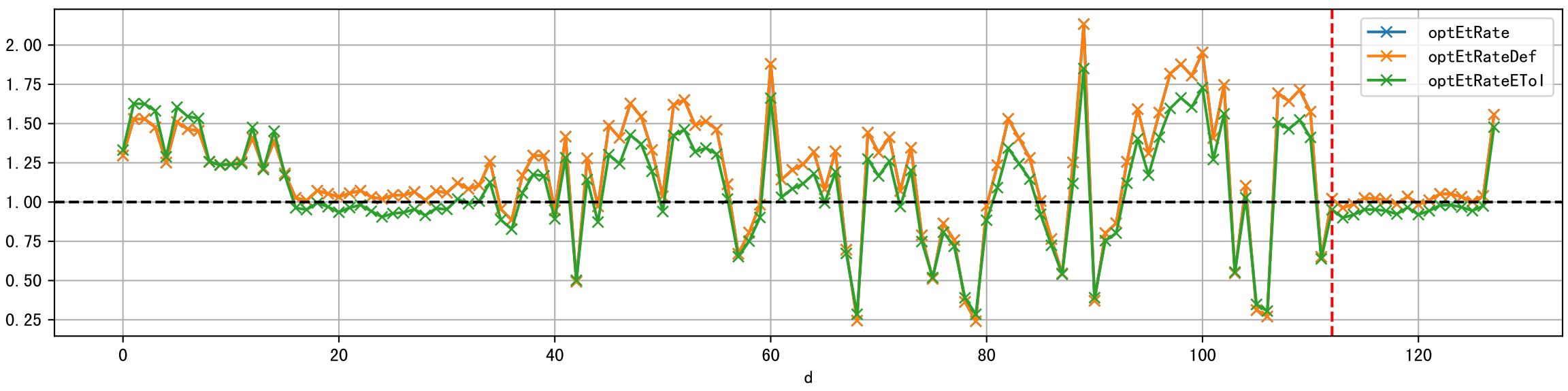


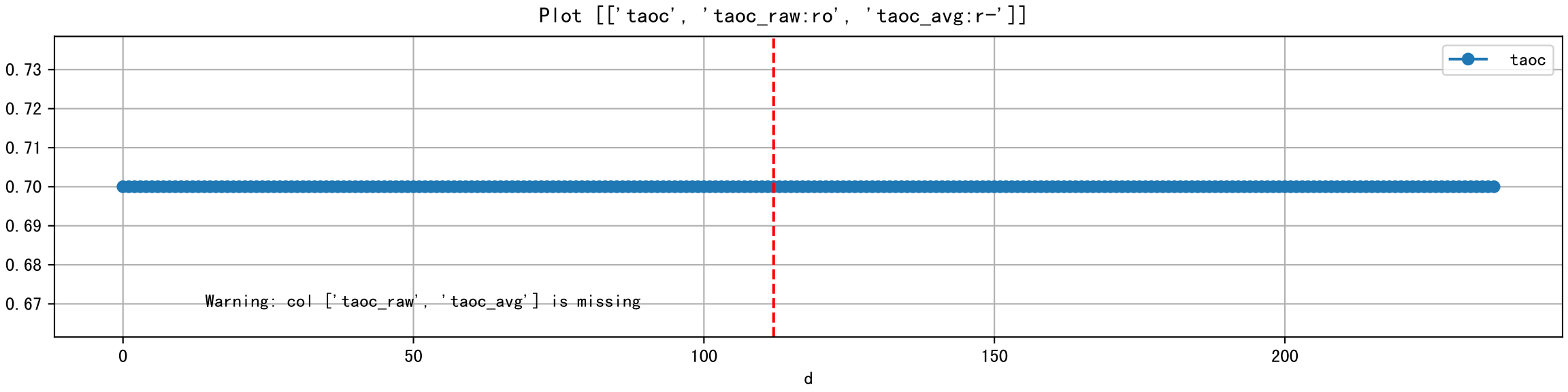


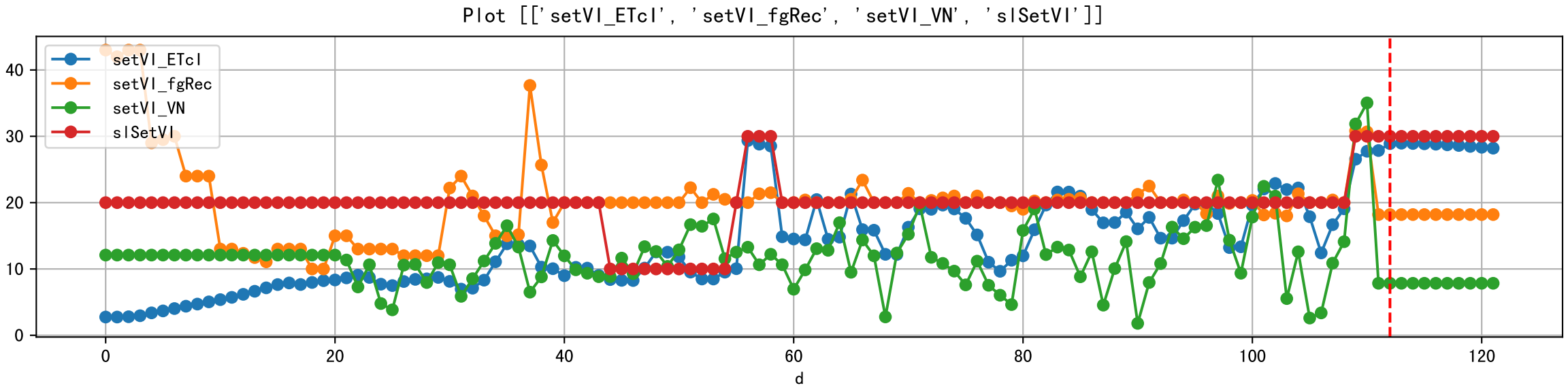


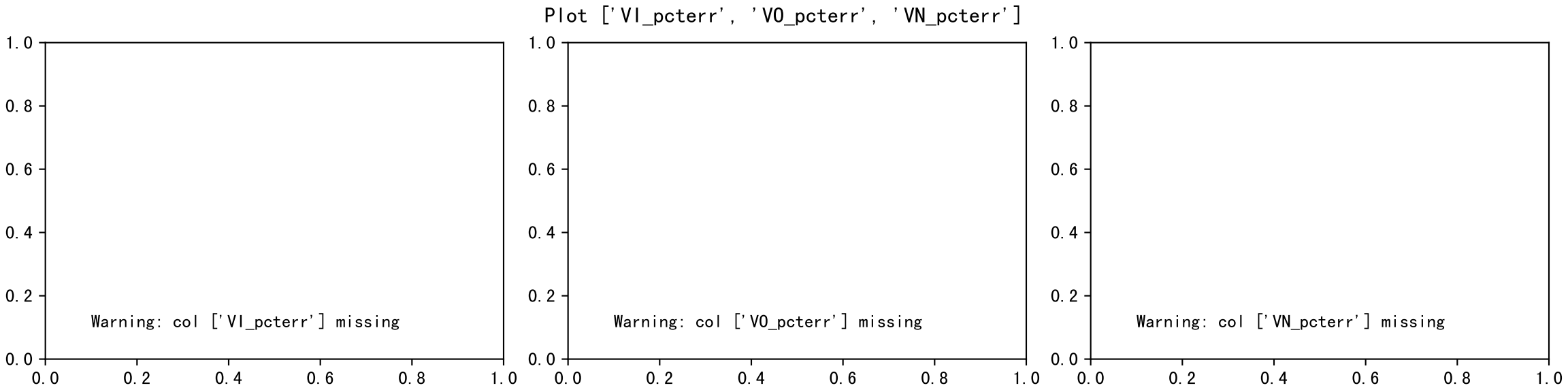


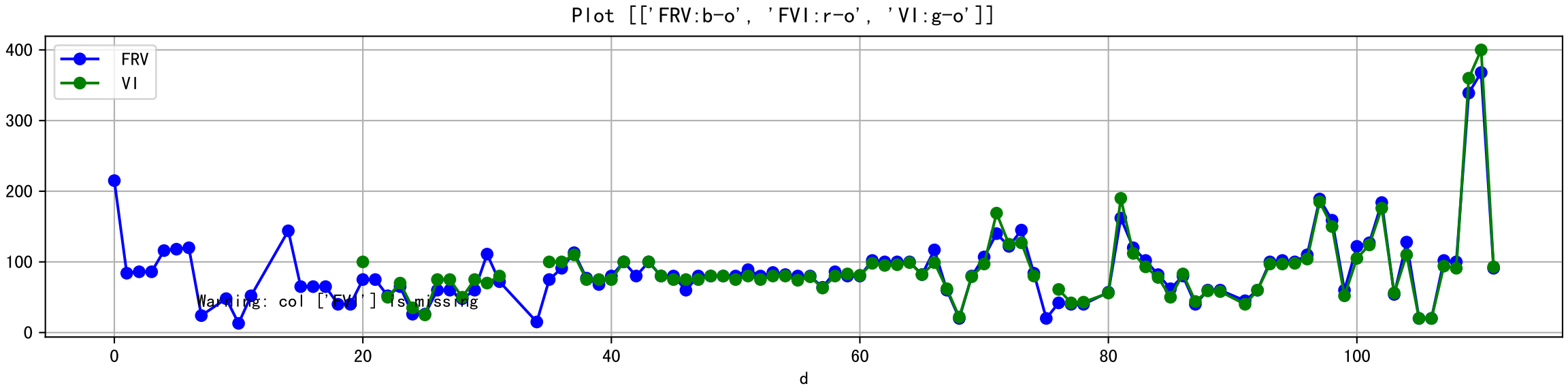


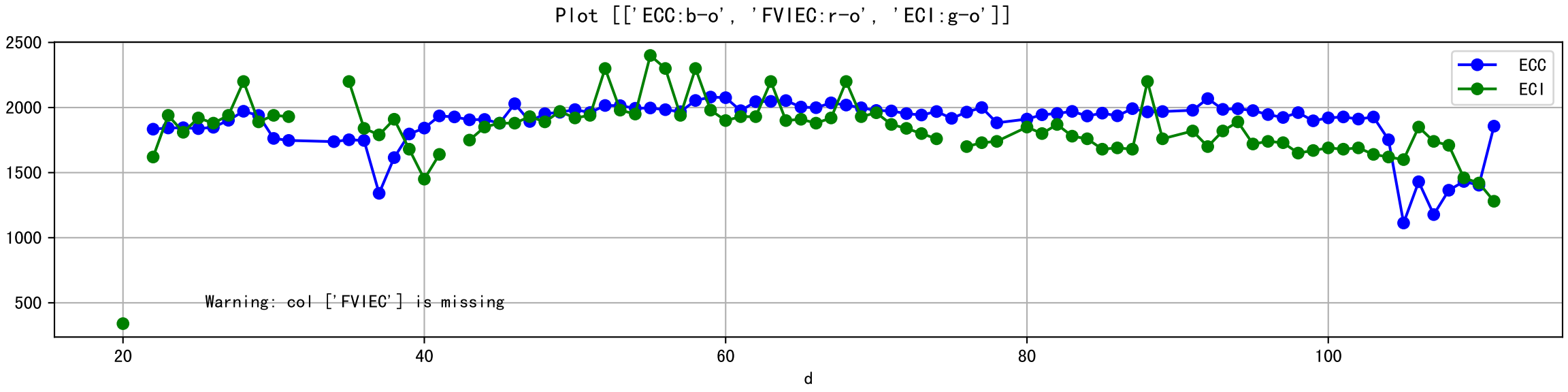


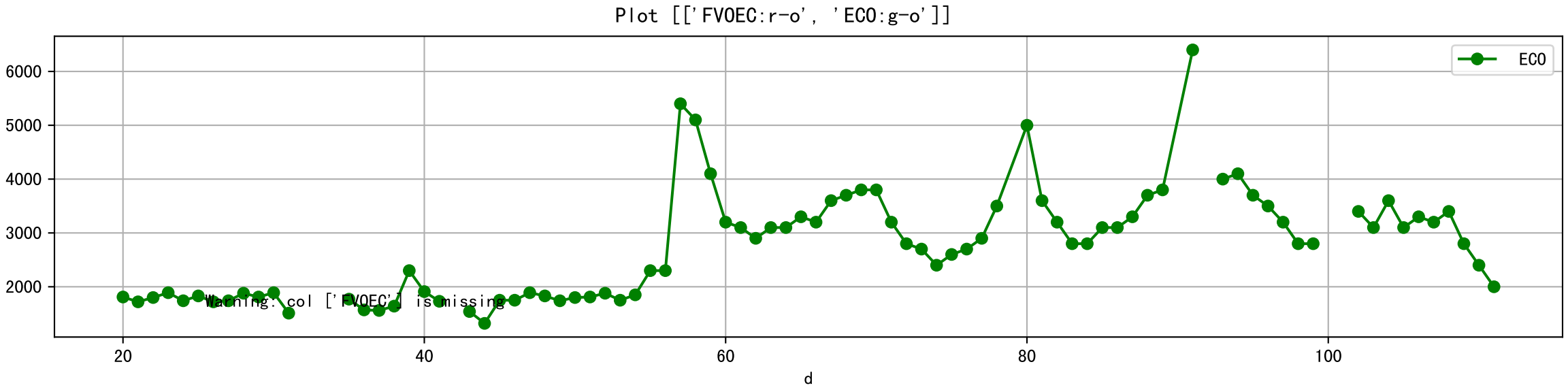

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

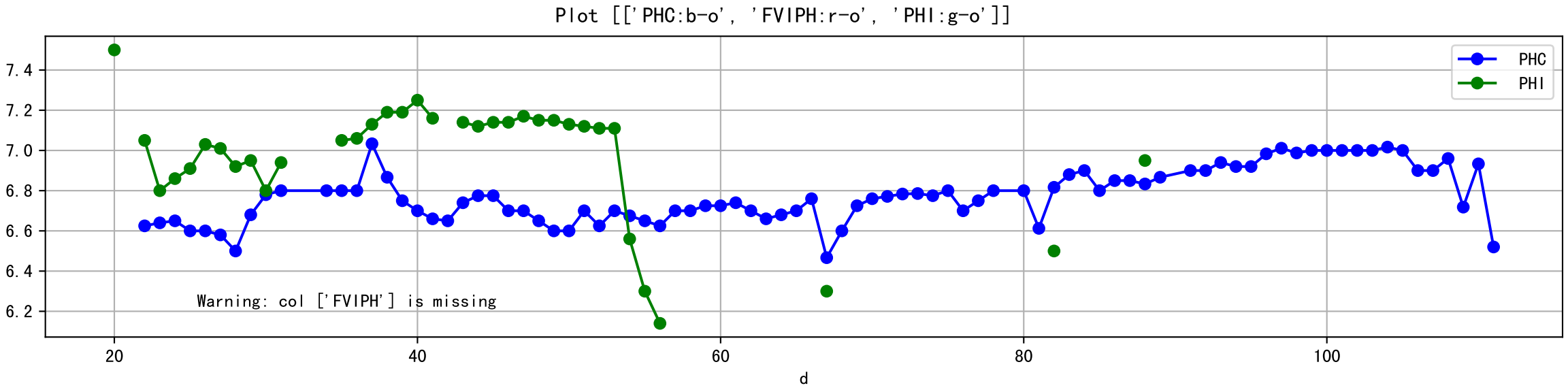

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
0
20
40
60
80
100
120
d

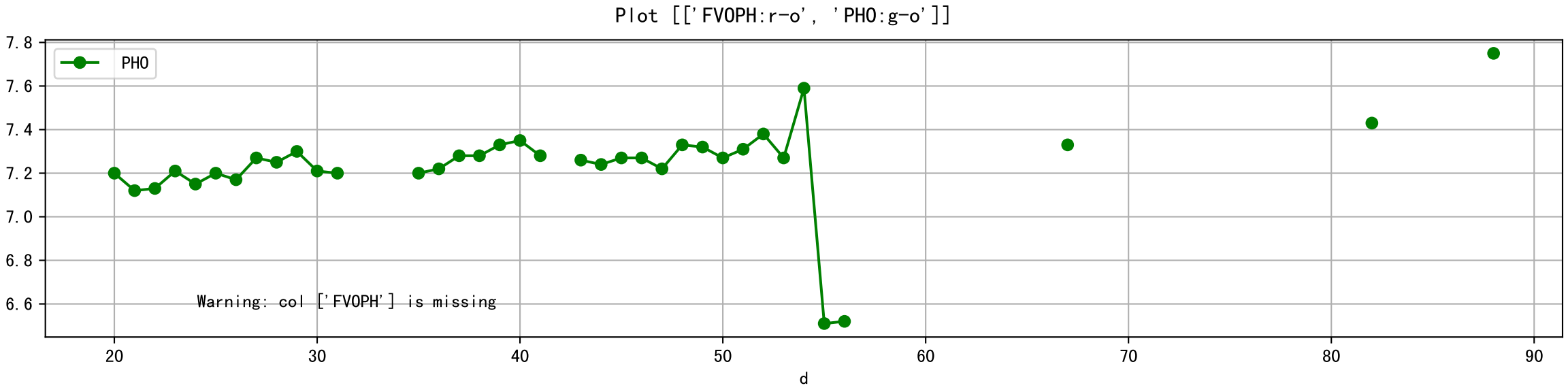

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

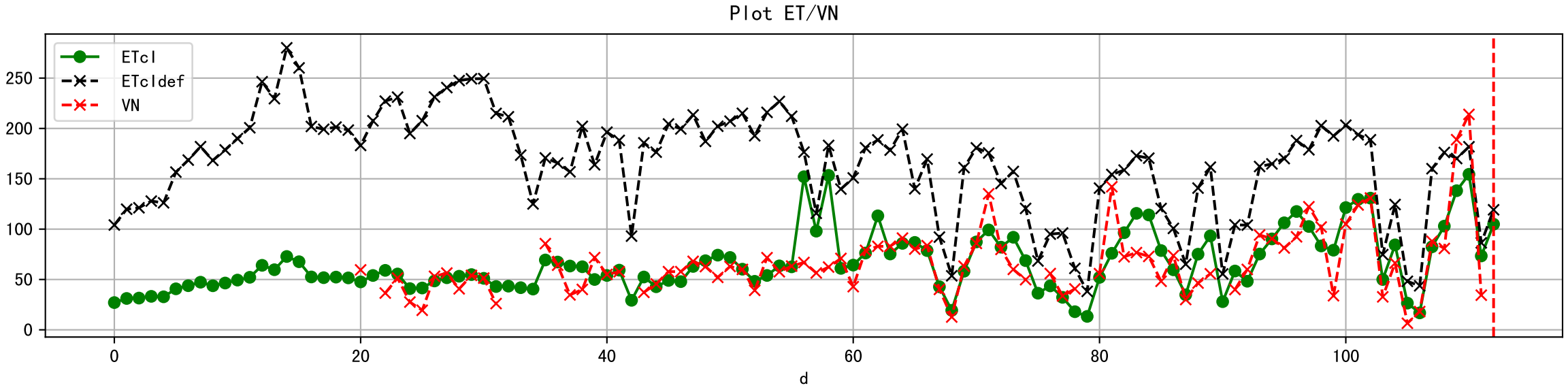

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
400
300
200
100
0
0
20
40
60
80
100
d


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

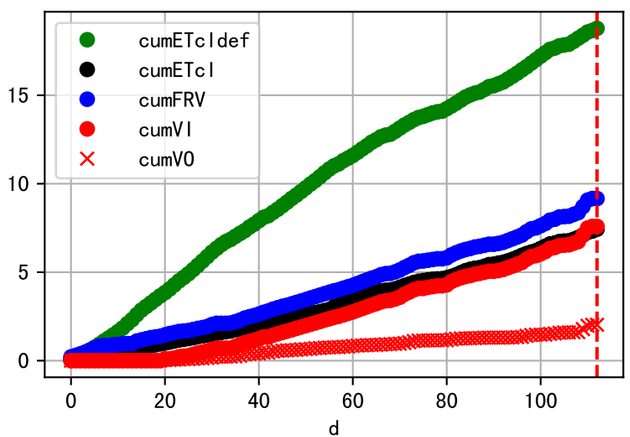

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
d

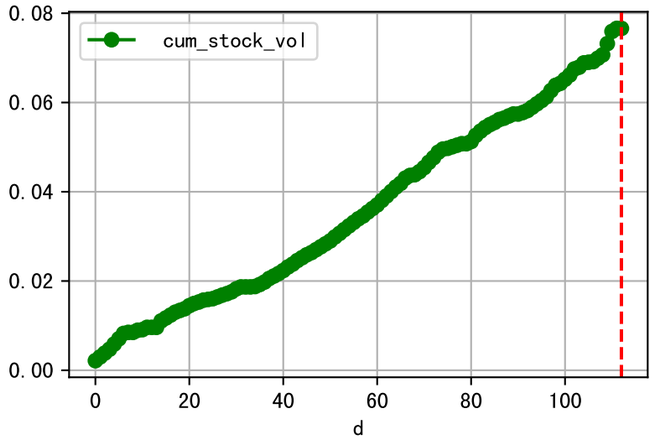

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
d

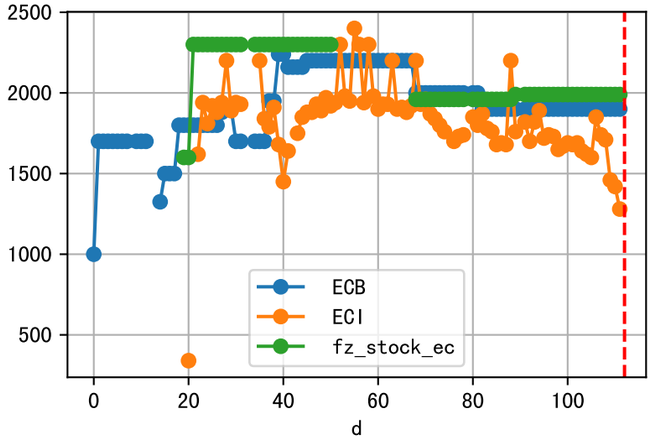

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

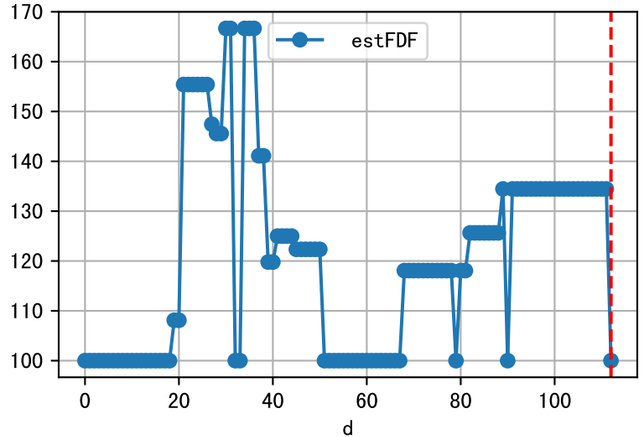

Plot ET/VN
ETcl
ETcldef
VN
250
200
150
100
50
0
0
20
40
60
80
100
d

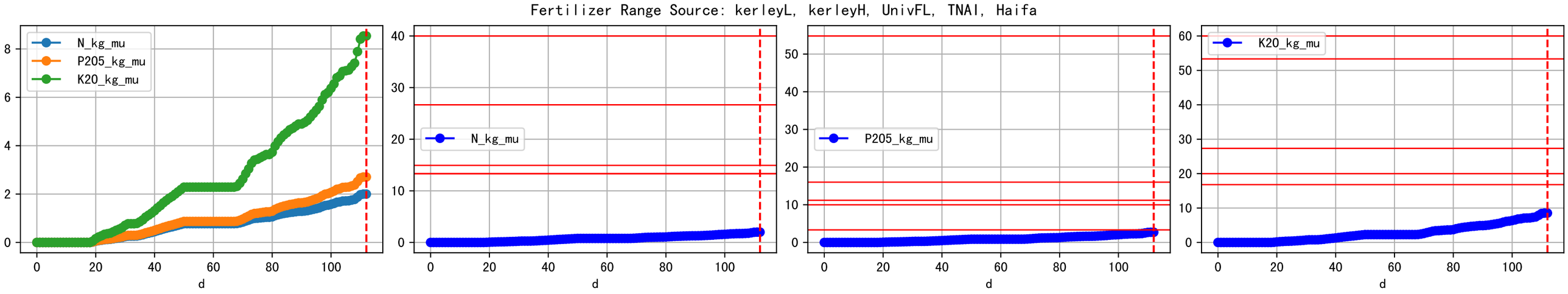
Plot Fv and fertilizer usage

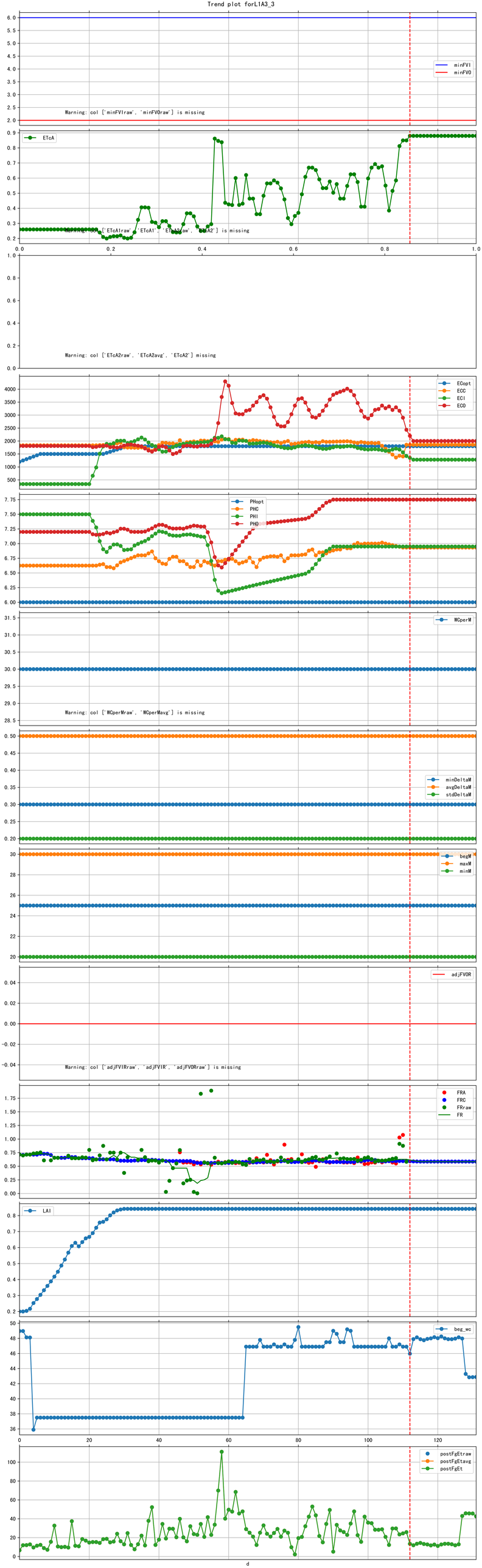


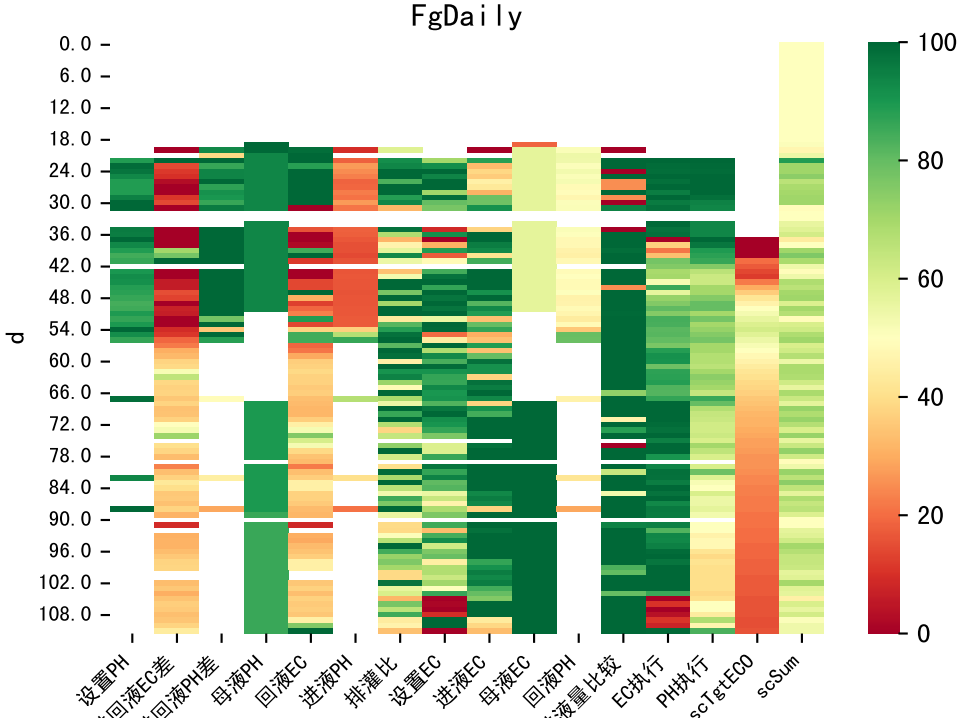


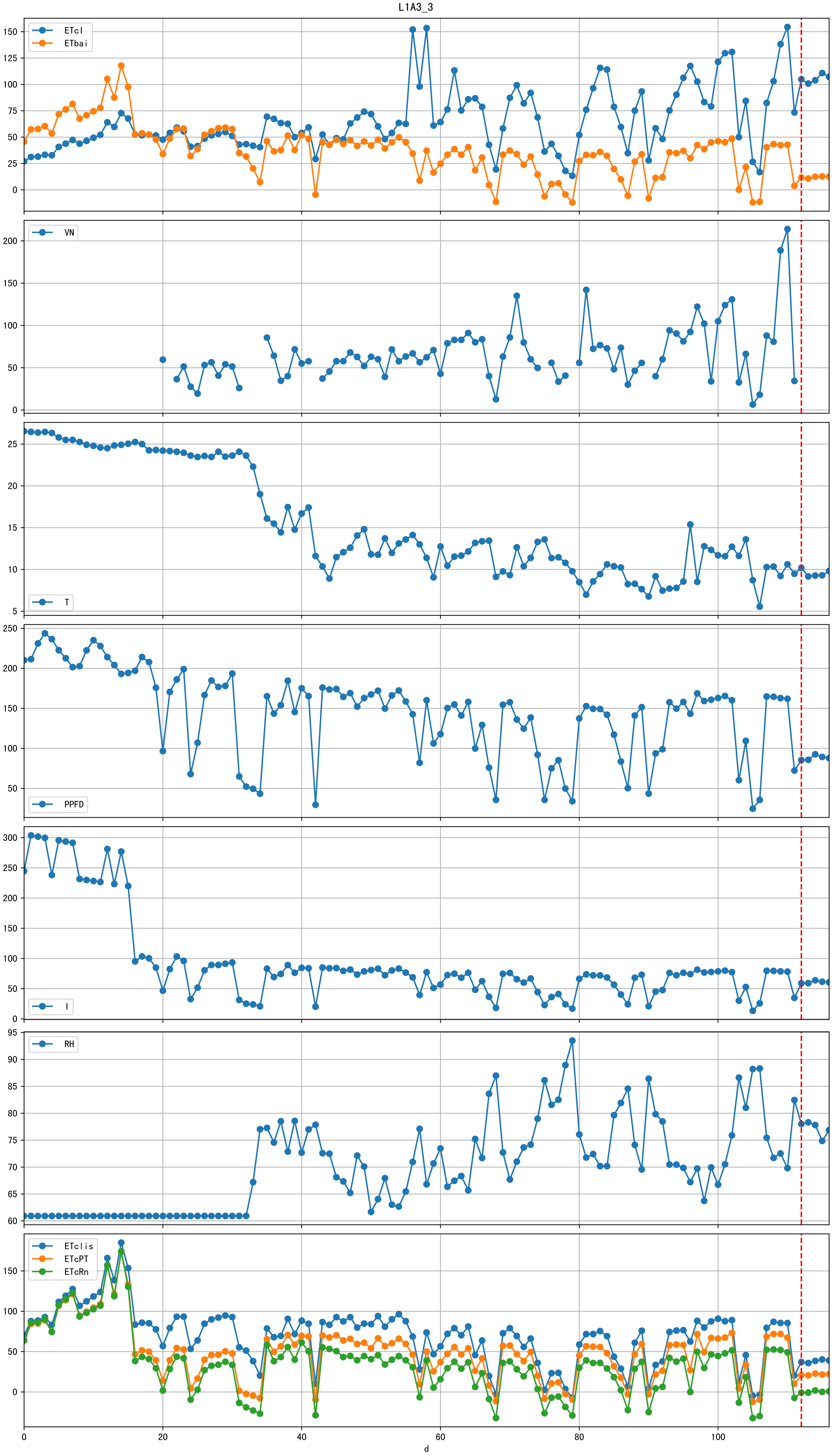


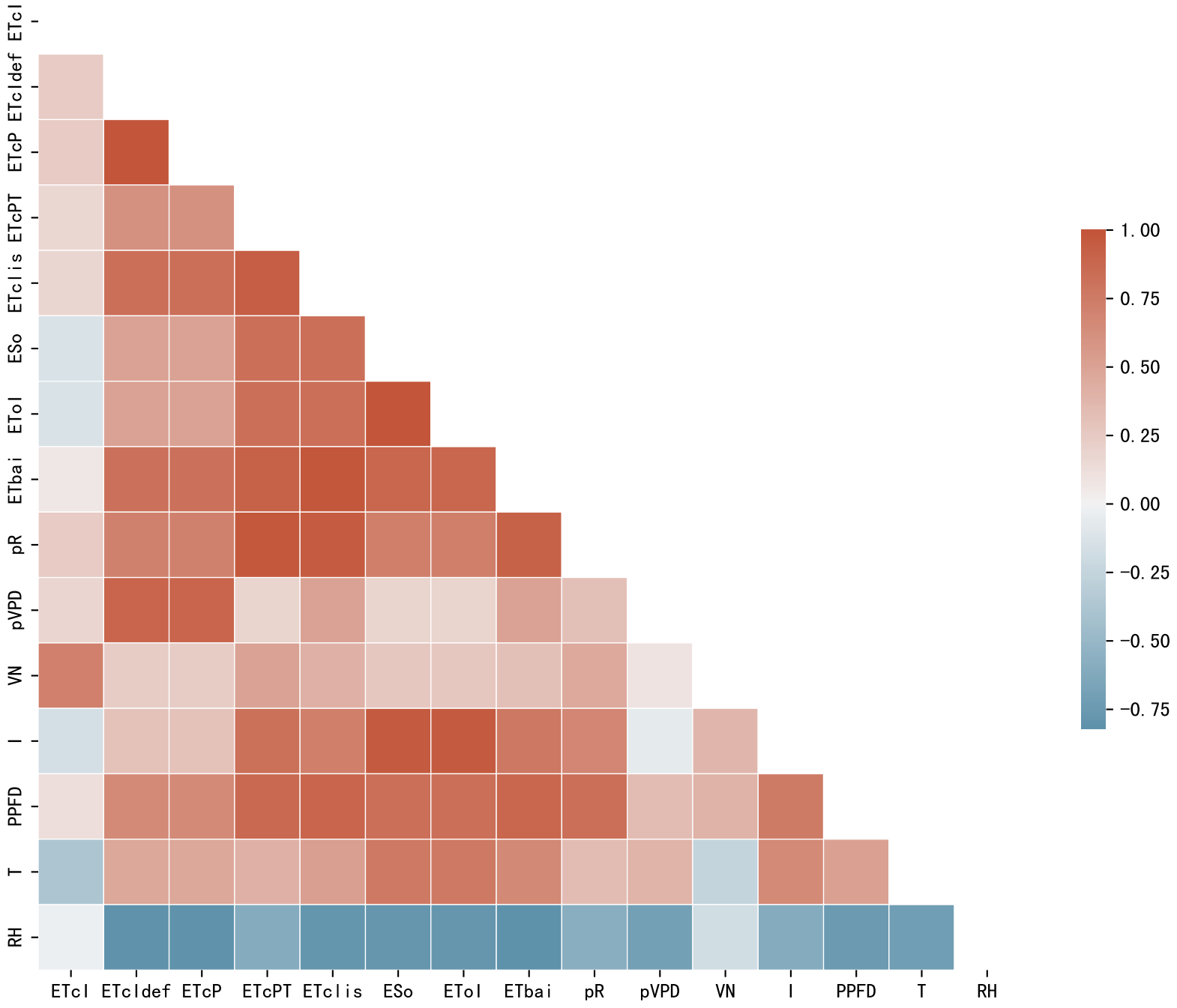


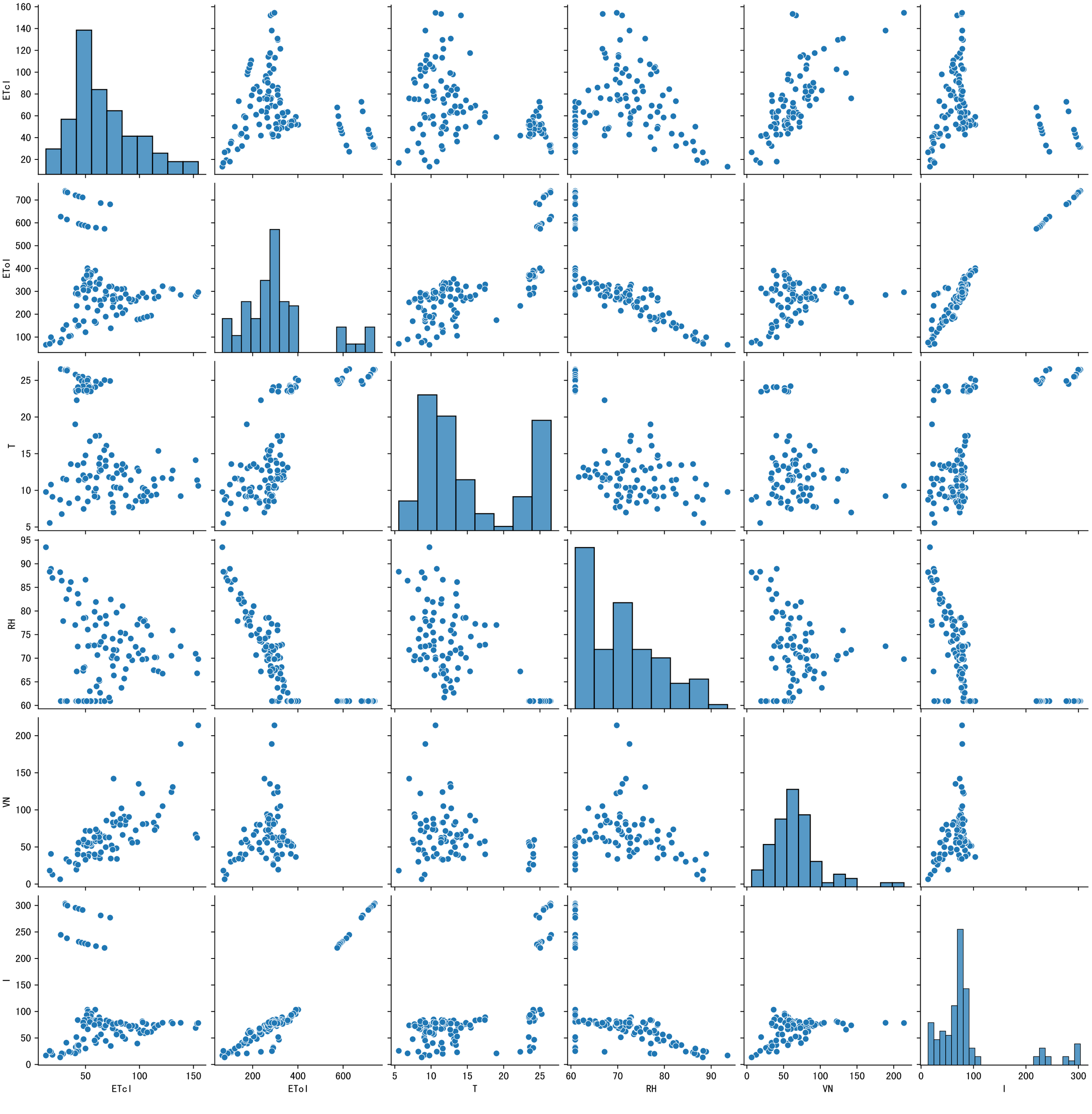

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d
d
d
d

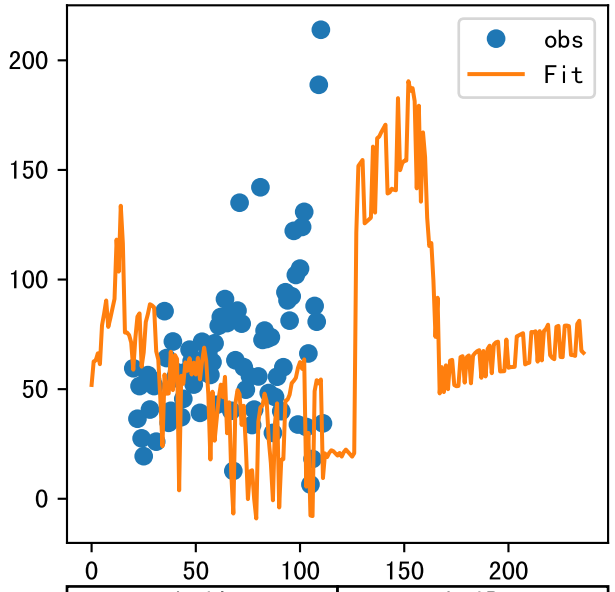

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECo
PHopt
PHC
PHi
PHo
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

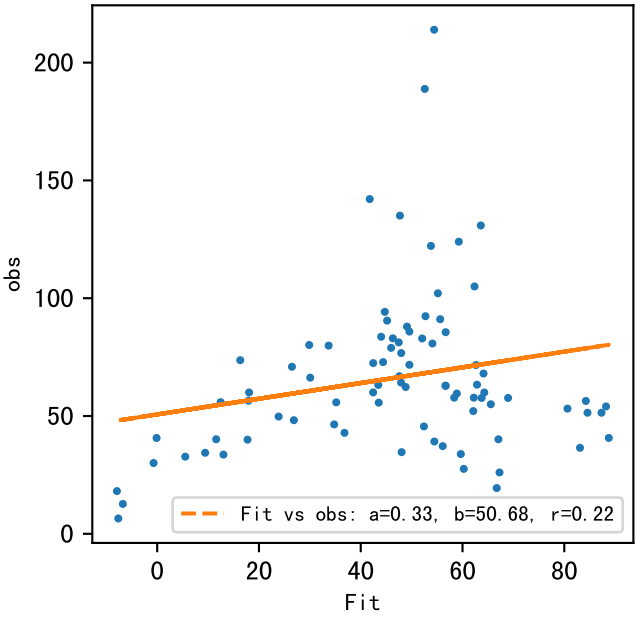

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
100
80
60
40
20
0
设置PH
回液EC差
回液PH差
母液PH
回液EC
进液PH
排灌比
设置EC
进液EC
母液EC
回液PH
液量比较
EC执行
PH执行
scTgtEC0
scSum


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

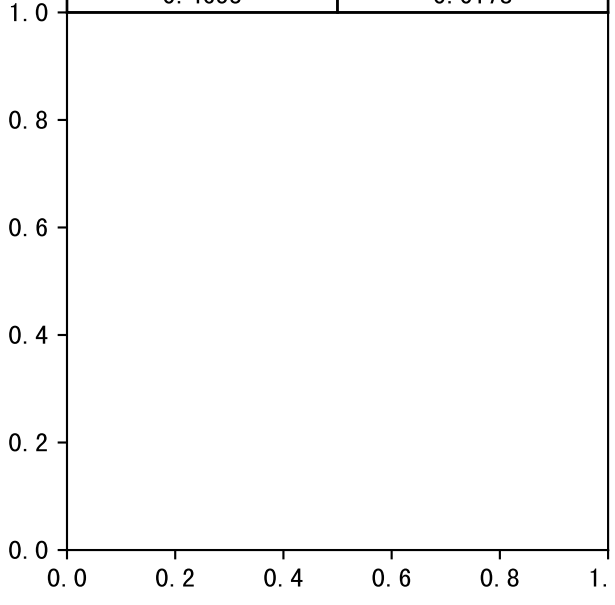

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

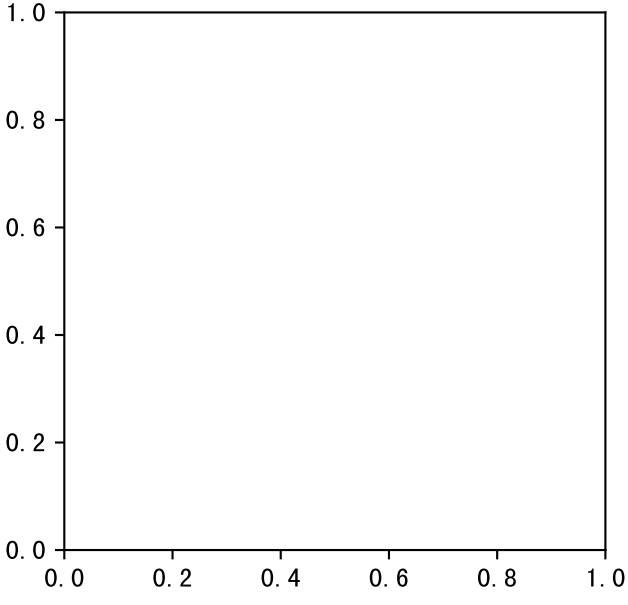

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

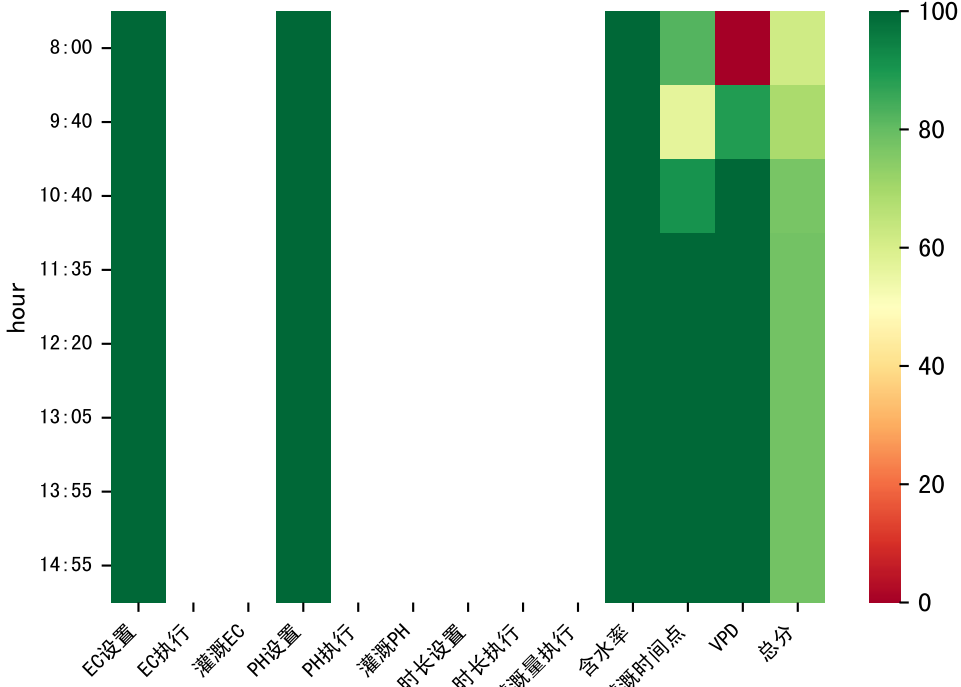




baiA	baiB
0.4653	0.0178

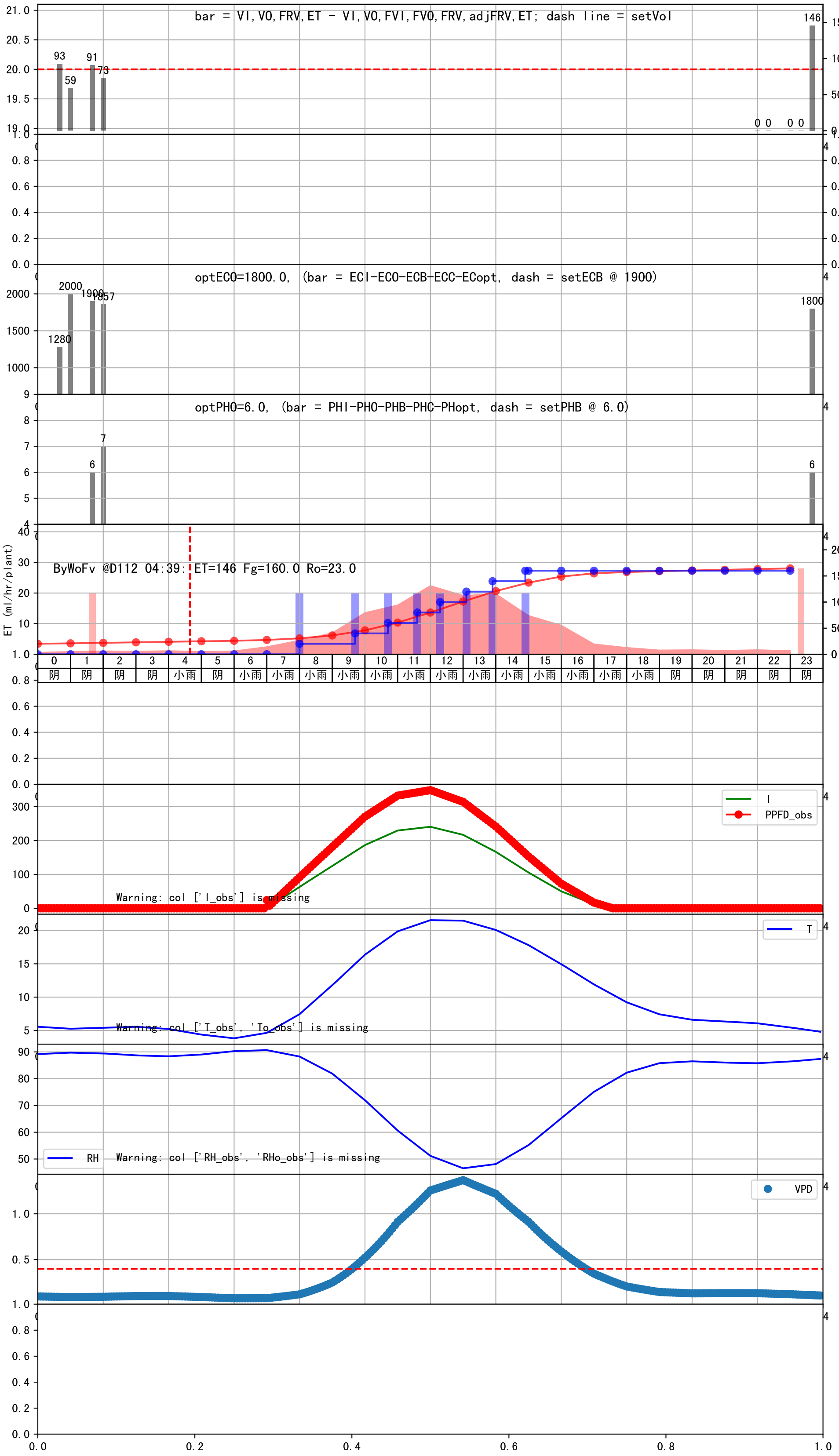


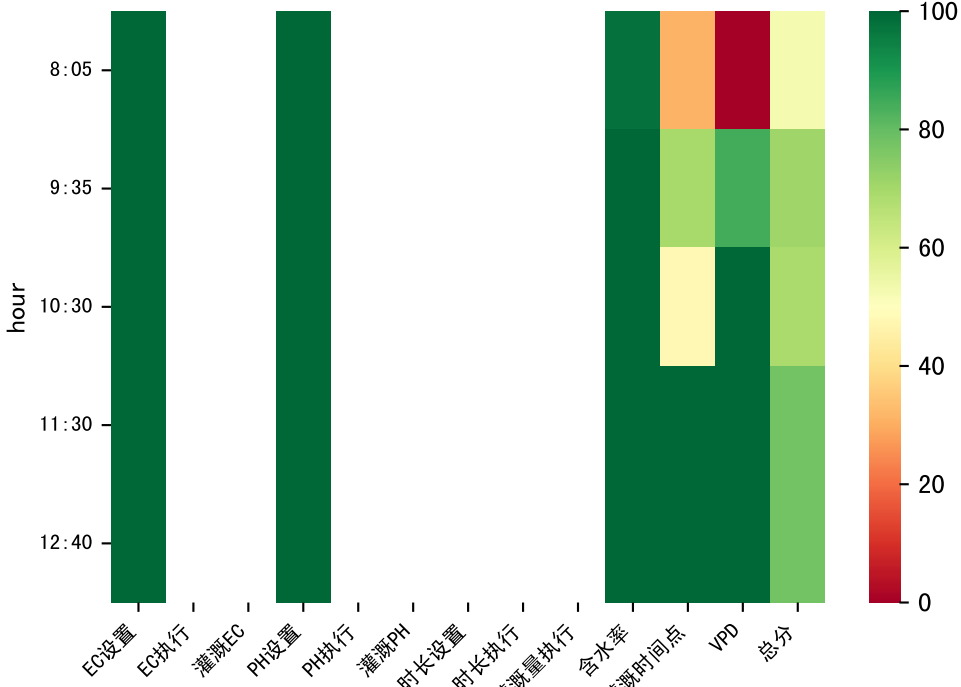



hour
8:00
9:40
10:40
11:35
12:20
13:05
13:55
14:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	32	20.0	0.081	小雨	待执行@08:00 自主（未用传感器）
09:40	32	20.0	0.081	小雨	预期@09:40 自主（未用传感器）
10:40	32	20.0	0.081	小雨	预期@10:40 自主（未用传感器）
11:35	32	20.0	0.081	小雨	预期@11:35 自主（未用传感器）
12:20	32	20.0	0.081	小雨	预期@12:20 自主（未用传感器）
13:05	32	20.0	0.081	小雨	预期@13:05 自主（未用传感器）
13:55	32	20.0	0.081	小雨	预期@13:55 自主（未用传感器）
14:55	32	20.0	0.081	小雨	预期@14:55 自主（未用传感器）
总计	256.0 (8次)	160.0			建议进液EC：1900， PH：6.0

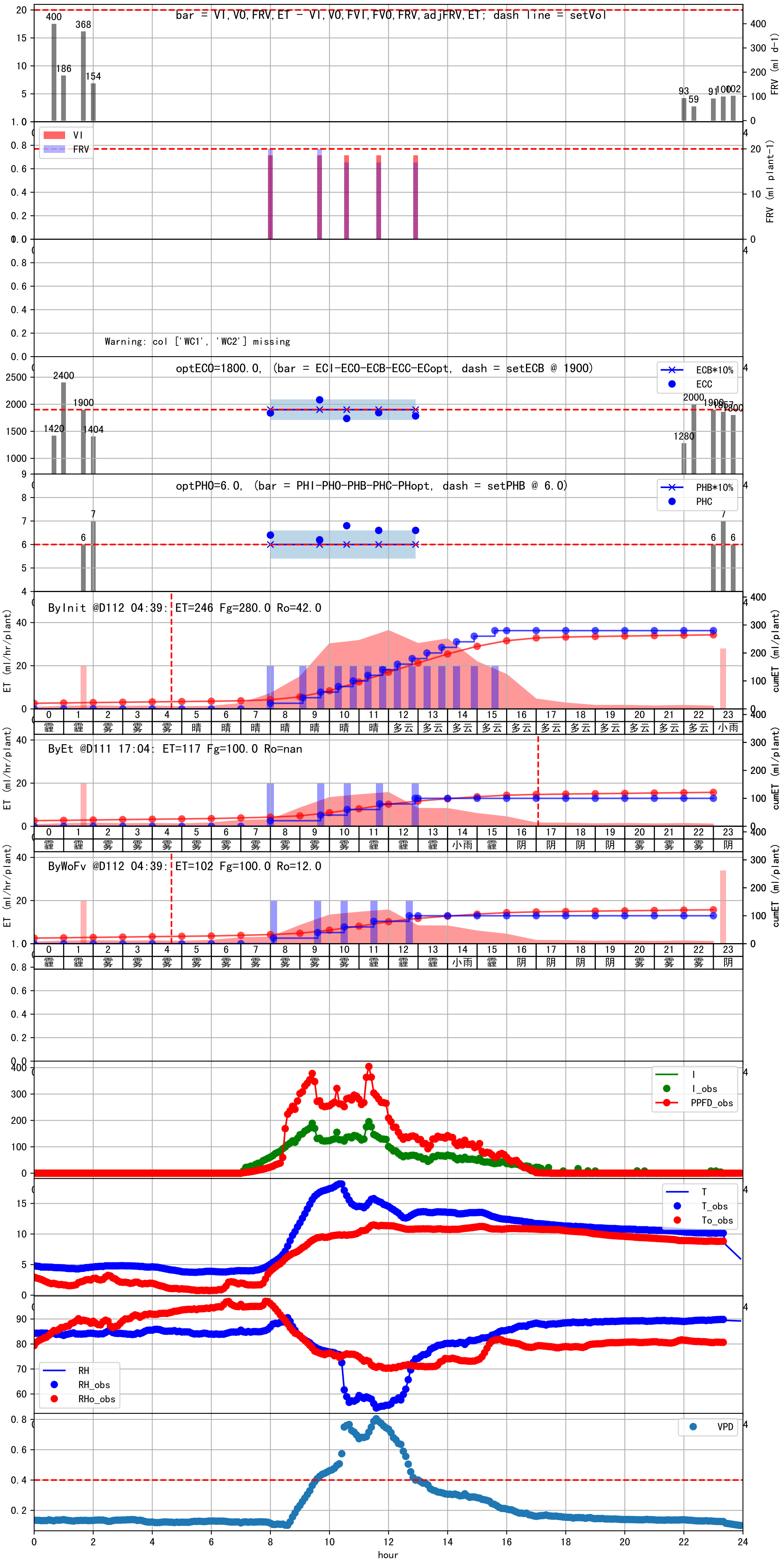
L1A3_3, Day=112 (2026-01-26)

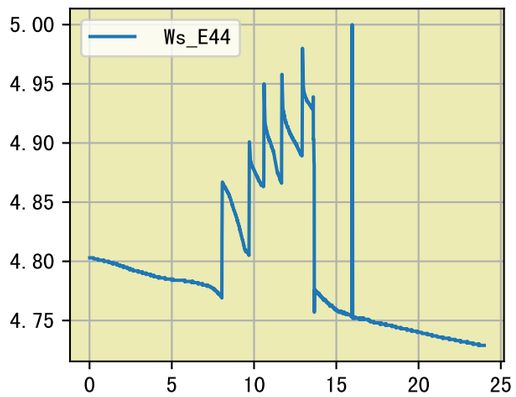


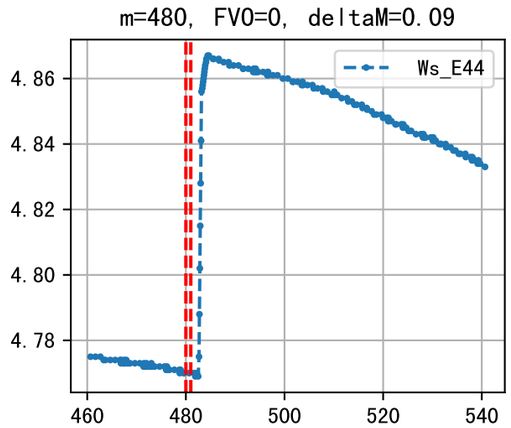

hour
8:05
9:35
10:30
11:30
12:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

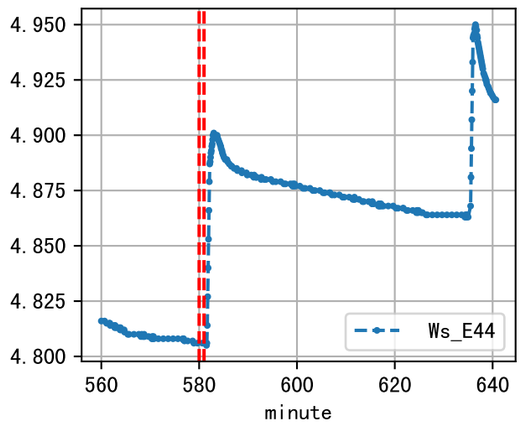
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	31	20.0	0.081	雾	假设@08:05 自动（未用传感器）
09:35	31	20.0	0.081	雾	假设@09:35 自动（未用传感器）
10:30	31	20.0	0.081	雾	假设@10:30 自动（未用传感器）
11:30	31	20.0	0.081	霾	假设@11:30 自动（未用传感器）
12:40	31	20.0	0.081	霾	假设@12:40 自动（未用传感器）
总计	155.0 (5次)	100.0			建议进液EC：1900， PH：6.0

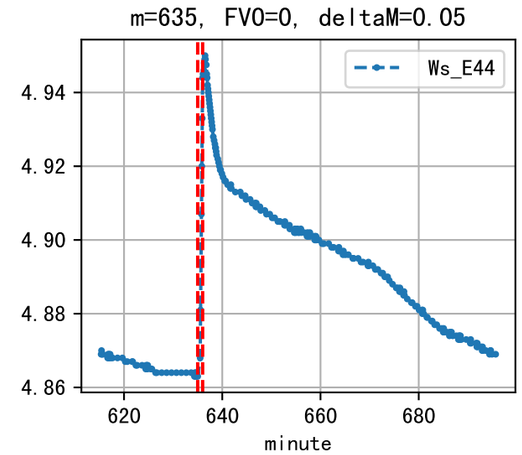
L1A3_3, Day=111.0 (2026-01-25)

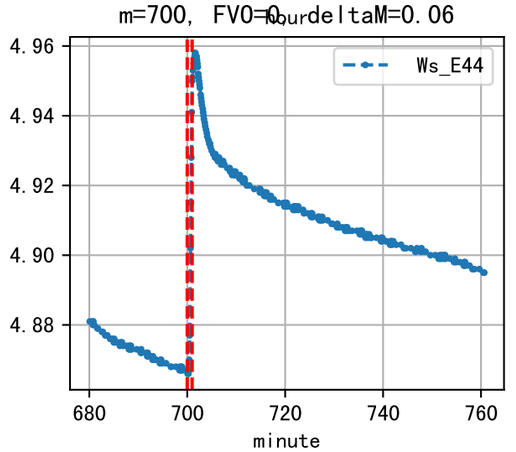


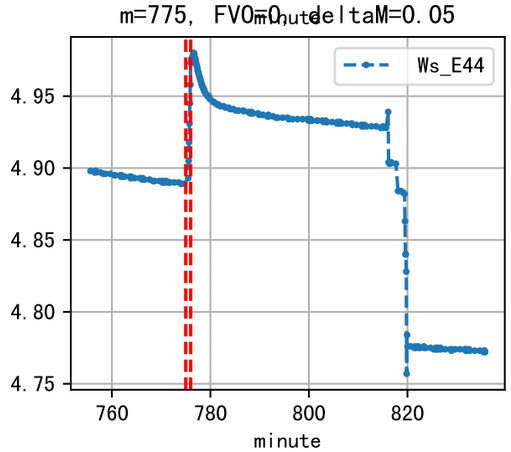

Ws_E44
5.00
4.95
4.90
4.85
4.80
4.75
0
5
10
15
20
25

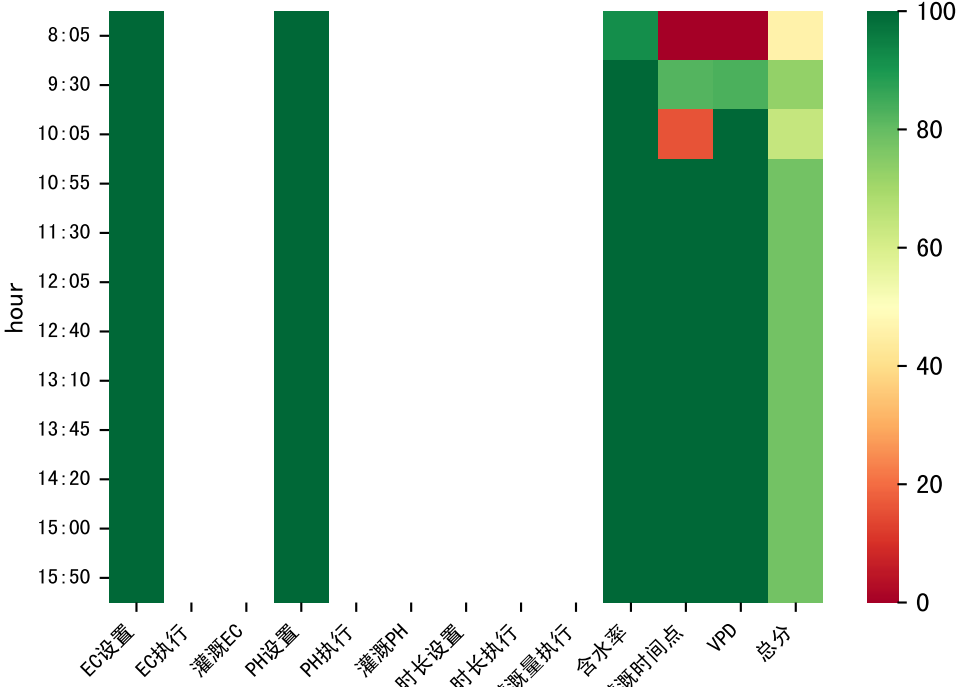

m=480, FV0=0, deltaM=0.09
Ws_E44
4.86
4.84
4.82
4.80
4.78
460
480
500
520
540


m=580, FV0=0, deltaM=0.08
Ws_E44
4.950
4.925
4.900
4.875
4.850
4.825
4.800
560
580
600
620
640
minute


m=635, FV0=0, deltaM=0.05
Ws_E44
4.94
4.92
4.90
4.88
4.86
620
640
660
680
minute


m=700, FV0=0, deltaM=0.06
Ws_E44
4.96
4.94
4.92
4.90
4.88
680
700
720
740
760
minute

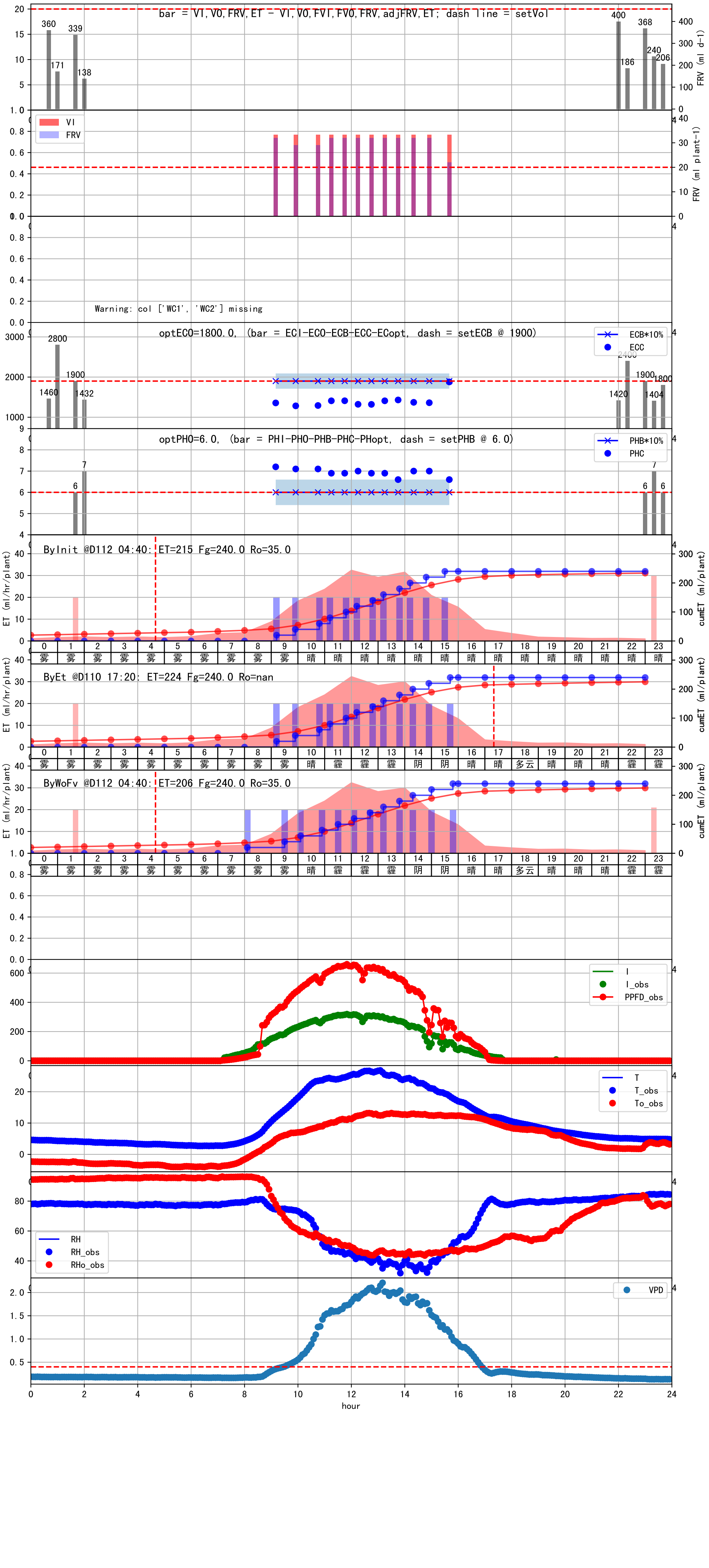

m=775, FV0=0, deltaM=0.05
Ws_E44
4.95
4.90
4.85
4.80
4.75
760
780
800
820
minute

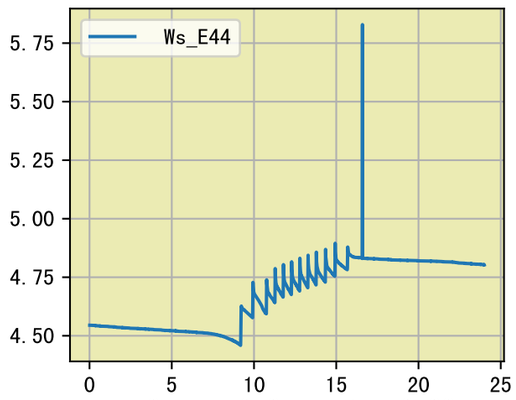

hour
8:05
9:30
10:05
10:55
11:30
12:05
12:40
13:10
13:45
14:20
15:00
15:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

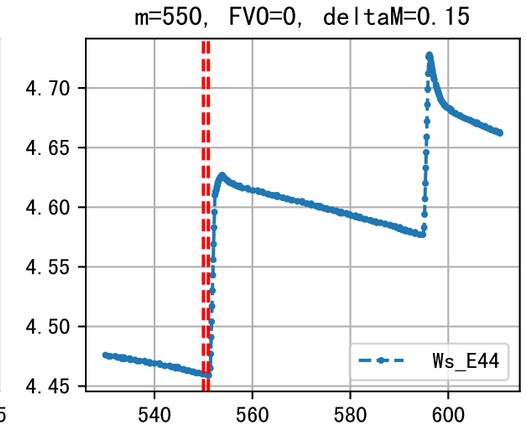
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	31	20.0	0.081	雾	假设@08:05 自动（未用传感器）
09:30	31	20.0	0.081	雾	假设@09:30 自动（未用传感器）
10:05	31	20.0	0.081	晴	假设@10:05 自动（未用传感器）
10:55	31	20.0	0.081	晴	假设@10:55 自动（未用传感器）
11:30	31	20.0	0.081	霾	假设@11:30 自动（未用传感器）
12:05	31	20.0	0.081	霾	假设@12:05 自动（未用传感器）
12:40	31	20.0	0.081	霾	假设@12:40 自动（未用传感器）
13:10	31	20.0	0.081	霾	假设@13:10 自动（未用传感器）
13:45	31	20.0	0.081	霾	假设@13:45 自动（未用传感器）
14:20	31	20.0	0.081	阴	假设@14:20 自动（未用传感器）
15:00	31	20.0	0.081	阴	假设@15:00 自动（未用传感器）
15:50	31	20.0	0.081	阴	假设@15:50 自动（未用传感器）
总计	372.0 (12次)	240.0			建议进液EC：1900， PH：6.0

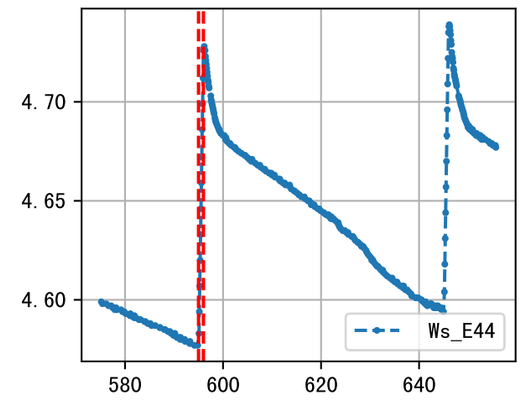
上次灌溉流速比平时大 (0.71 vs 0.6))，可能有多阀同灌或管道漏水
默认实际灌溉20.0 ml.

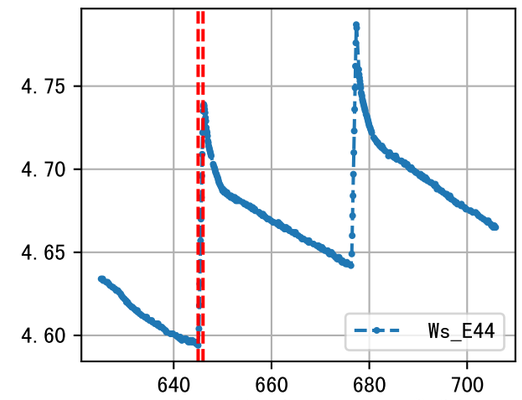
L1A3_3, Day=110.0 (2026-01-24)

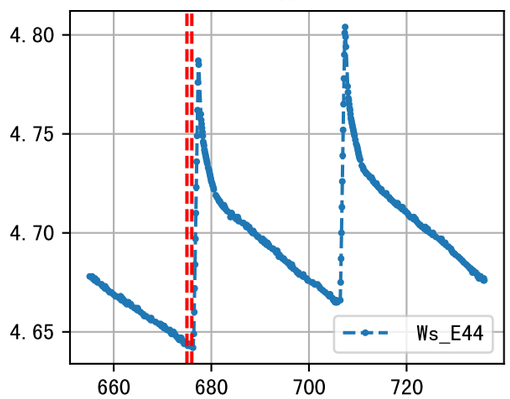


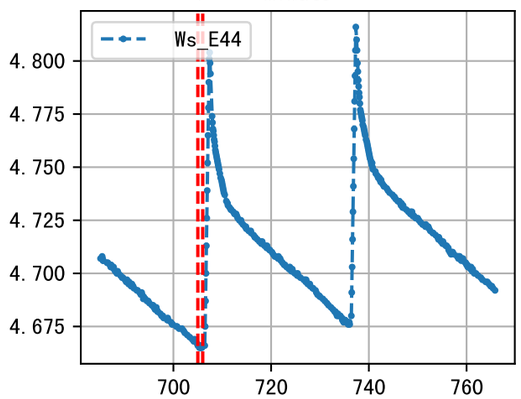

Ws_E44

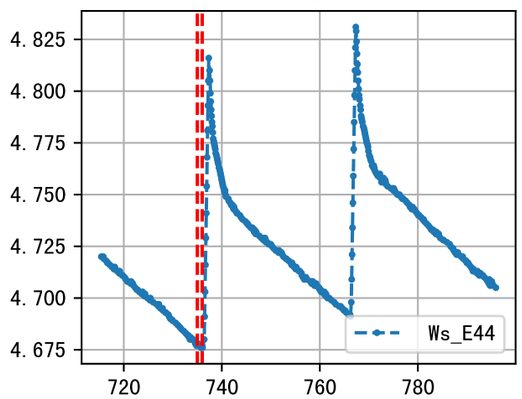

m=550, FVO=0, deltaM=0.15
Ws_E44

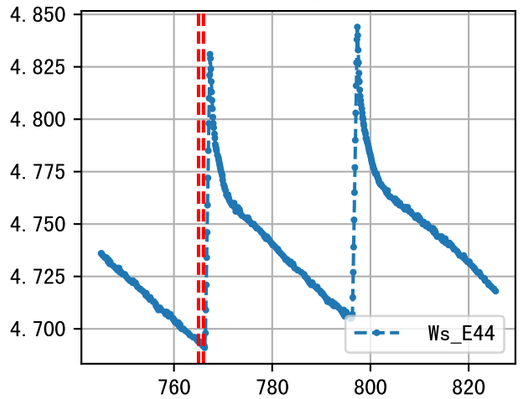

m=595, FVO=0, deltaM=0.09
Ws_E44

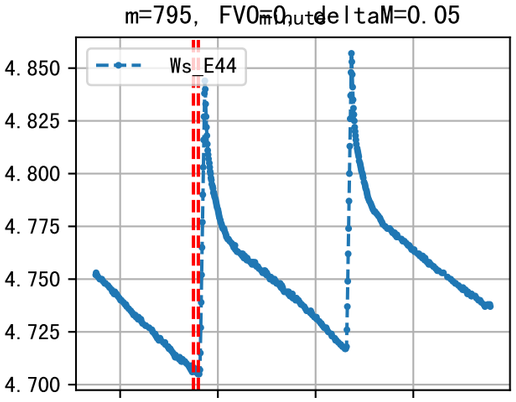

m=645, FVO=0, deltaM=0.08
Ws_E44

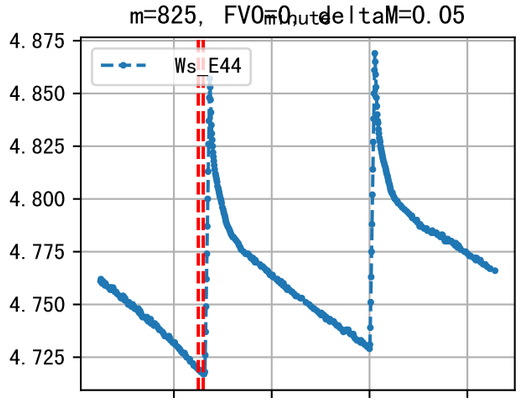

m=675, FVO=0, deltaM=0.06
Ws_E44

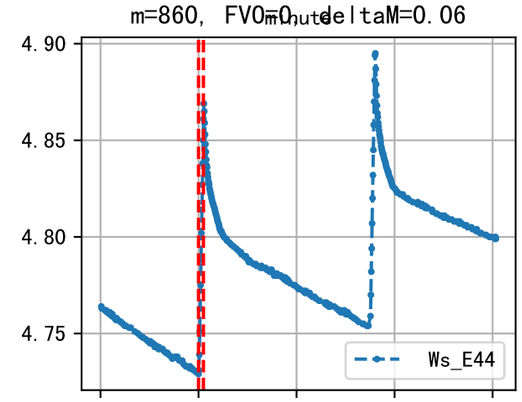

m=705, FVO=0, deltaM=0.05
Ws_E44

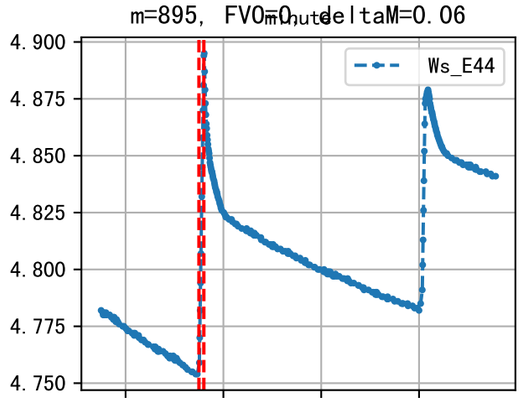

m=735, FVO=0, deltaM=0.06
Ws_E44

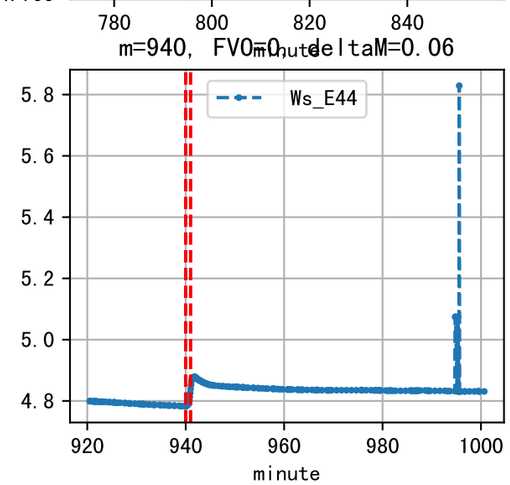

m=765, FVO=0, deltaM=0.06
Ws_E44

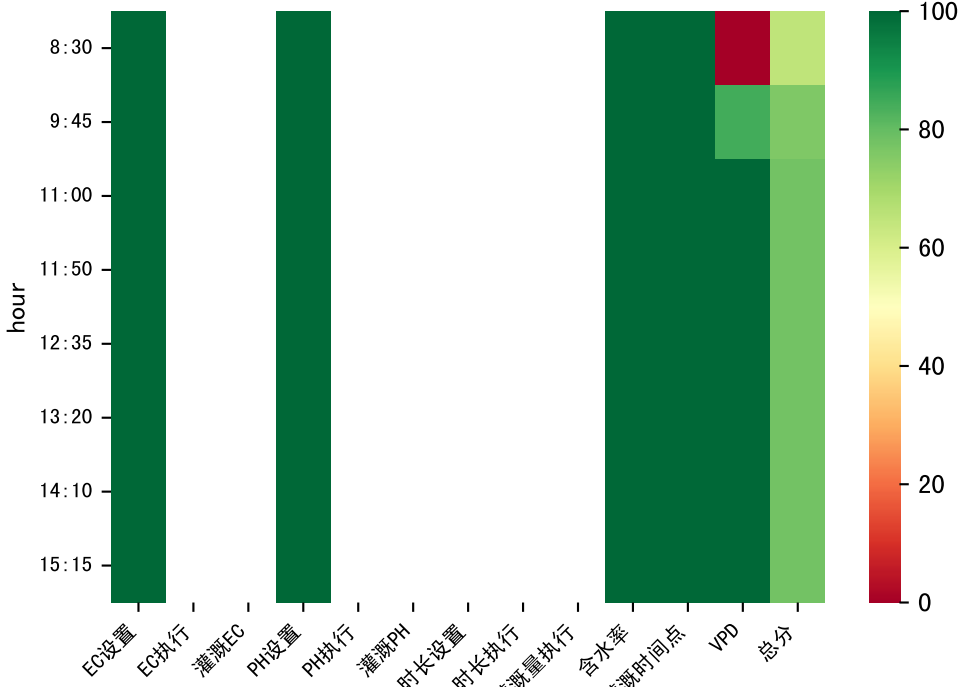

m=795, FVO=0, deltaM=0.05
Ws_E44


m=825, FVO=0, deltaM=0.05
Ws_E44
minute


m=860, FVO=0, deltaM=0.06
Ws_E44
minute


m=895, FVO=0, deltaM=0.06
Ws_E44
minute

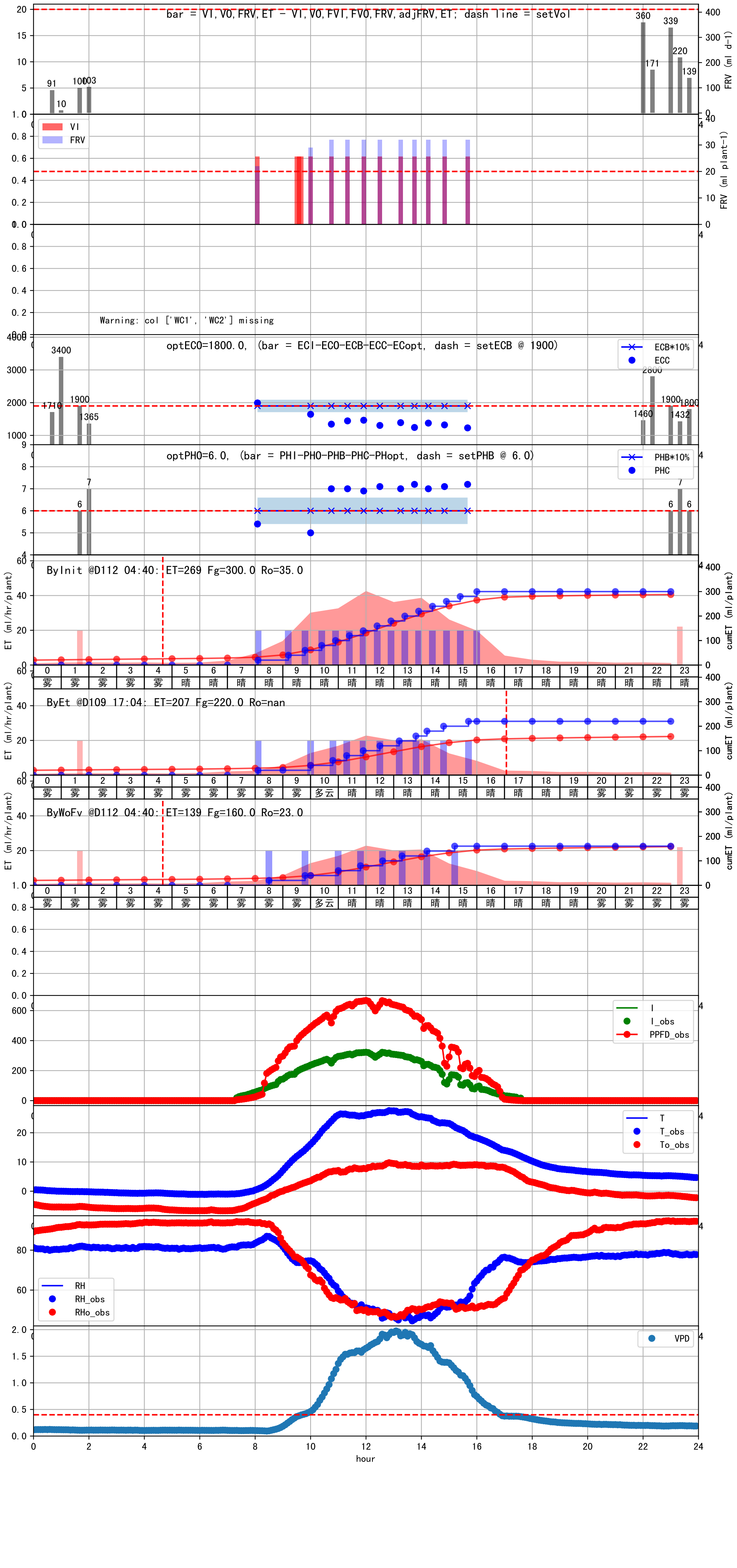

m=940, FVO=0, deltaM=0.06
Ws_E44
minute

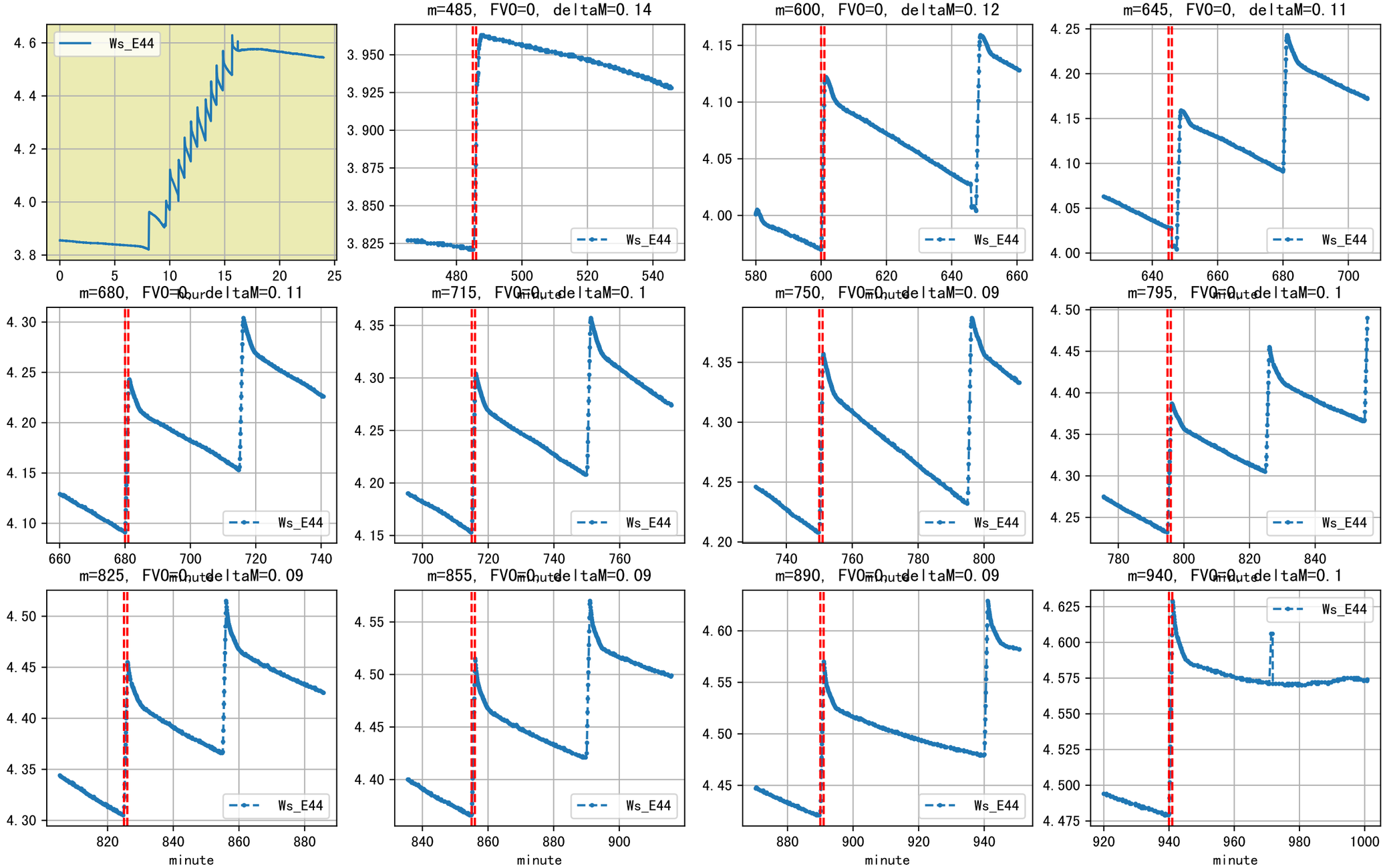

hour
8:30
9:45
11:00
11:50
12:35
13:20
14:10
15:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

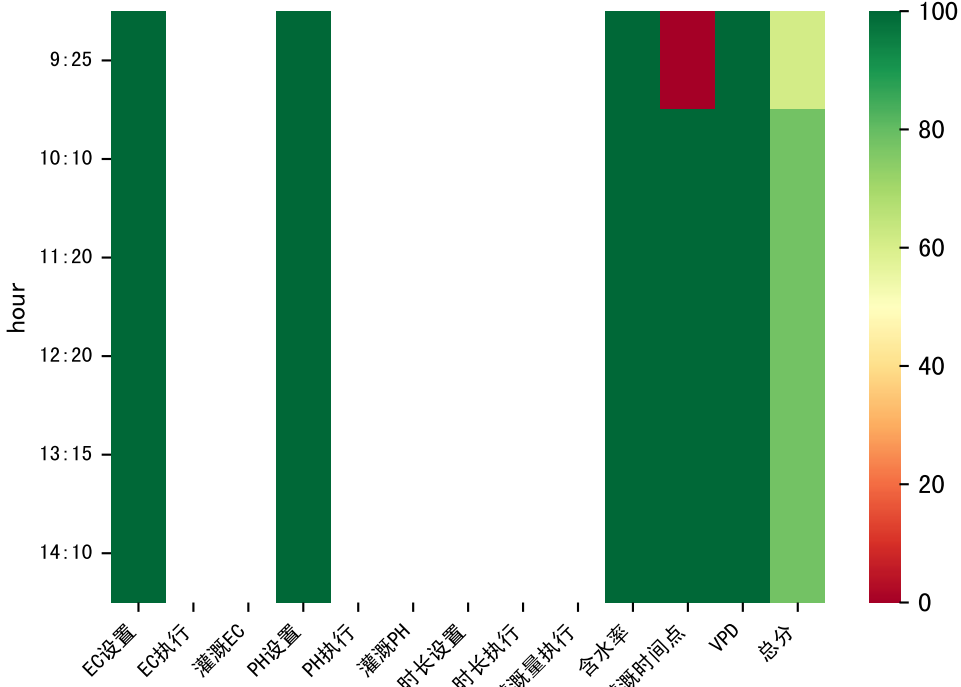
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:30	32	20.0	0.081	雾	假设@08:30 自动（未用传感器）
09:45	32	20.0	0.081	雾	假设@09:45 自动（未用传感器）
11:00	32	20.0	0.081	晴	假设@11:00 自动（未用传感器）
11:50	32	20.0	0.081	晴	假设@11:50 自动（未用传感器）
12:35	32	20.0	0.081	晴	假设@12:35 自动（未用传感器）
13:20	32	20.0	0.081	晴	假设@13:20 自动（未用传感器）
14:10	32	20.0	0.081	晴	假设@14:10 自动（未用传感器）
15:15	32	20.0	0.081	晴	假设@15:15 自动（未用传感器）
总计	256.0 (8次)	160.0			建议进液EC：1900， PH：6.0

上次灌溉流速比平时大 (1.0 vs 0.6))，可能有多阀同灌或管道漏水
施肥机灌溉量与预期值不符 (32.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

L1A3_3, Day=109.0 (2026-01-23)

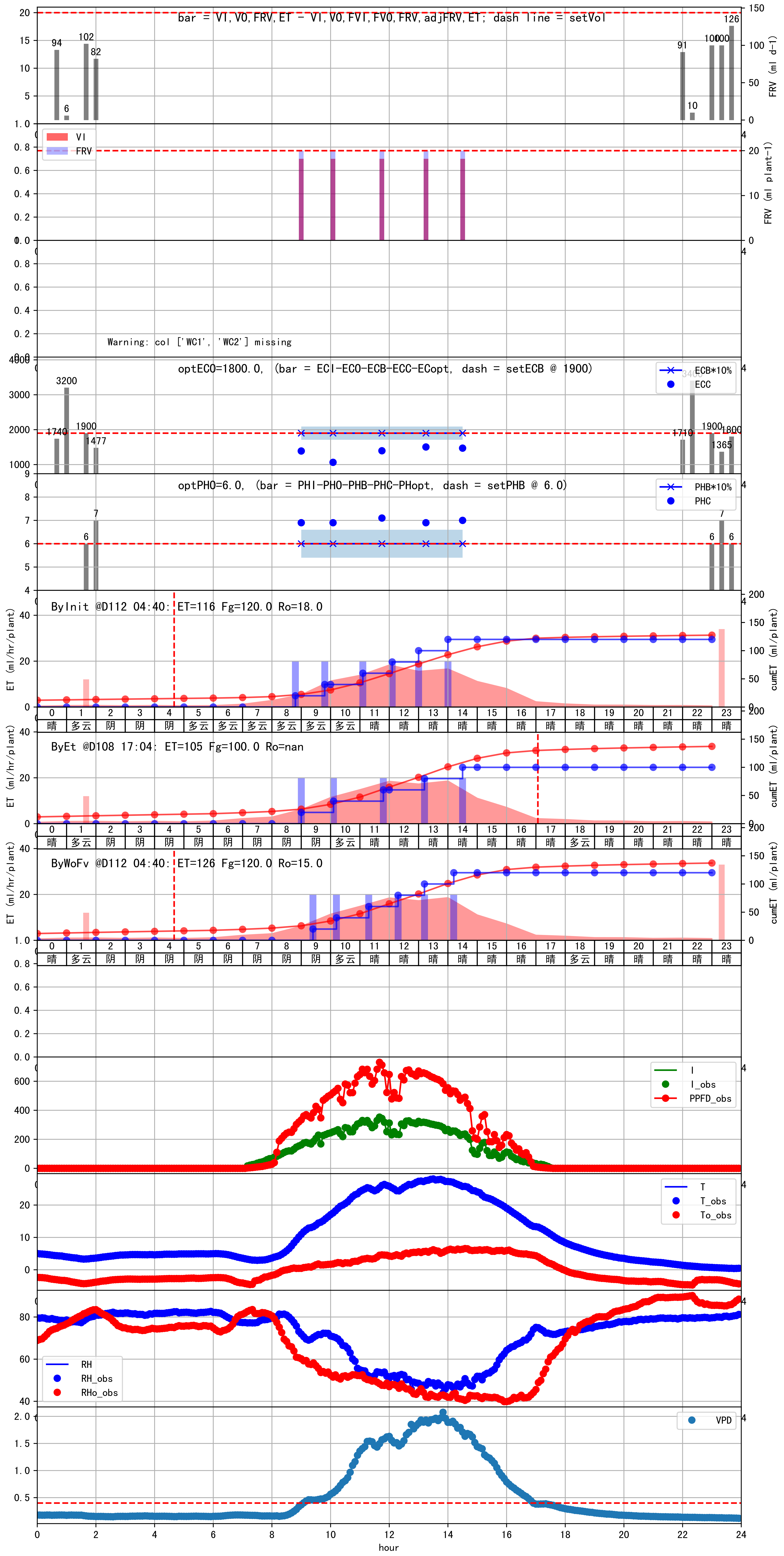


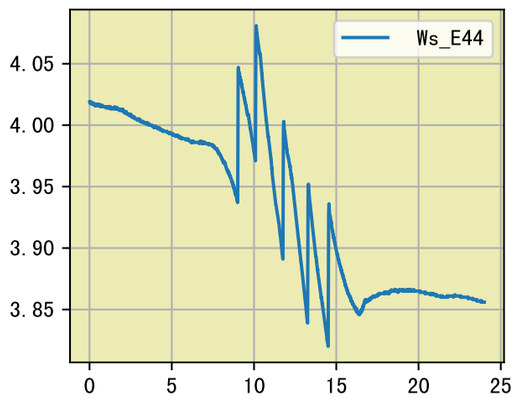

Ws_E44
m=485, FVO=0, deltaM=0.14
m=600, FVO=0, deltaM=0.12
m=645, FVO=0, deltaM=0.11
m=680, FVO=0, deltaM=0.11
m=715, FVO=0, deltaM=0.1
m=750, FVO=0, deltaM=0.09
m=795, FVO=0, deltaM=0.1
m=825, FVO=0, deltaM=0.09
m=855, FVO=0, deltaM=0.09
m=890, FVO=0, deltaM=0.09
m=940, FVO=0, deltaM=0.1
minute

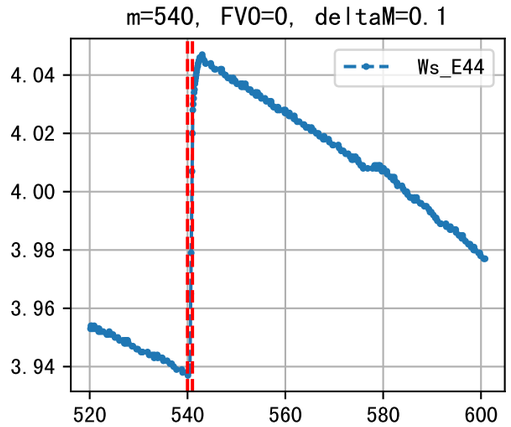

hour
9:25
10:10
11:20
12:20
13:15
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

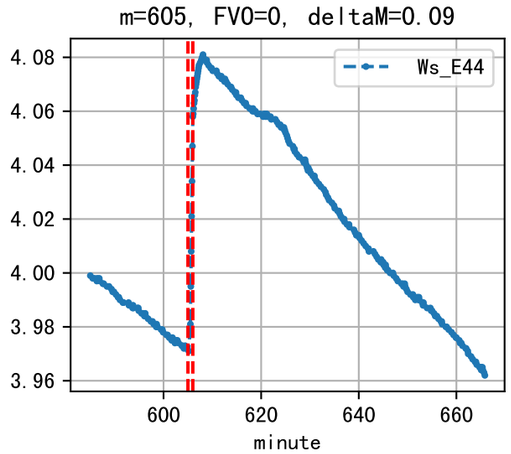
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	33	20.0	0.081	阴	假设@09:25 自动（未用传感器）
10:10	33	20.0	0.081	多云	假设@10:10 自动（未用传感器）
11:20	33	20.0	0.081	晴	假设@11:20 自动（未用传感器）
12:20	33	20.0	0.081	晴	假设@12:20 自动（未用传感器）
13:15	33	20.0	0.081	晴	假设@13:15 自动（未用传感器）
14:10	33	20.0	0.081	晴	假设@14:10 自动（未用传感器）
总计	198.0 (6次)	120.0			建议进液EC：1900， PH：6.0

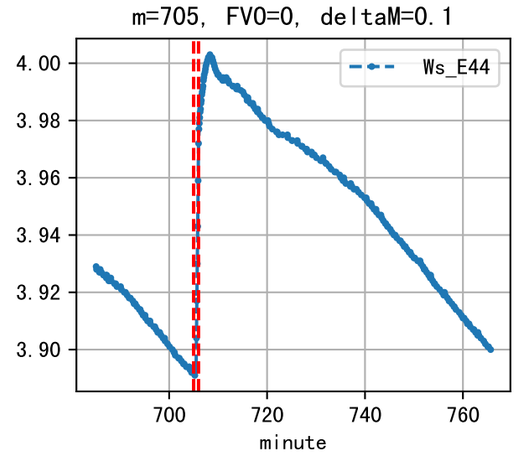
L1A3_3, Day=108.0 (2026-01-22)

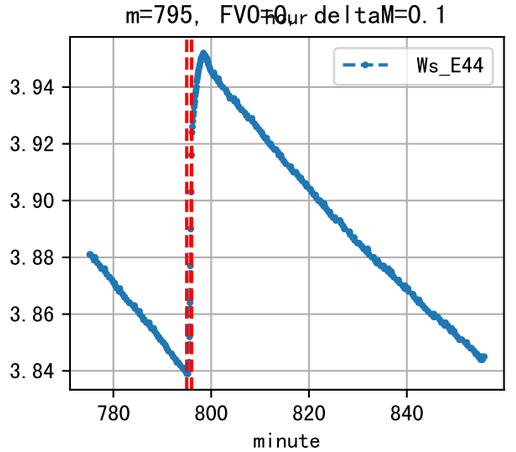


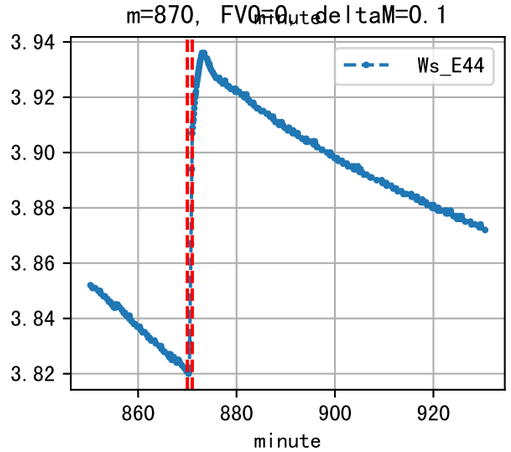

Ws_E44
4.05
4.00
3.95
3.90
3.85
0
5
10
15
20
25


m=540, FV0=0, deltaM=0.1
Ws_E44
4.04
4.02
4.00
3.98
3.96
3.94
520
540
560
580
600


m=605, FV0=0, deltaM=0.09
Ws_E44
4.08
4.06
4.04
4.02
4.00
3.98
3.96
600
620
640
660
minute


m=705, FV0=0, deltaM=0.1
Ws_E44
4.00
3.98
3.96
3.94
3.92
3.90
700
720
740
760
minute


m=795, FV0=0, deltaM=0.1
Ws_E44
3.94
3.92
3.90
3.88
3.86
3.84
780
800
820
840
minute


m=870, FV0=0, deltaM=0.1
Ws_E44
3.94
3.92
3.90
3.88
3.86
3.84
3.82
860
880
900
920
minute