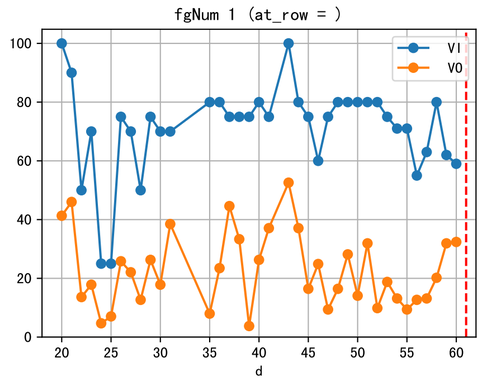
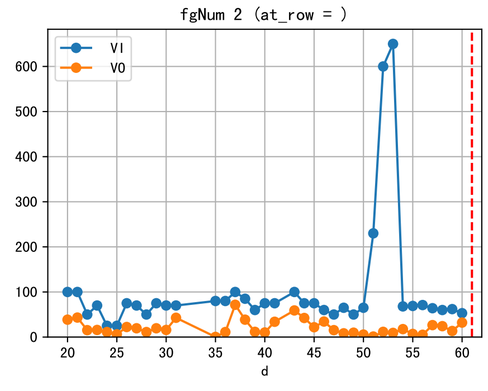
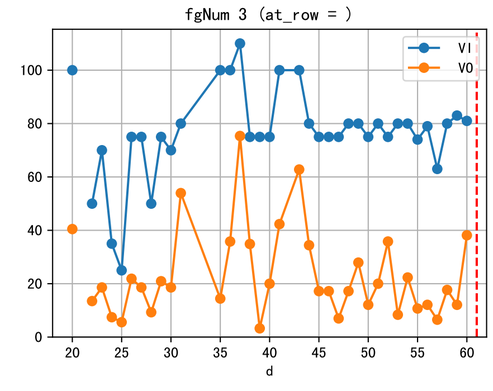
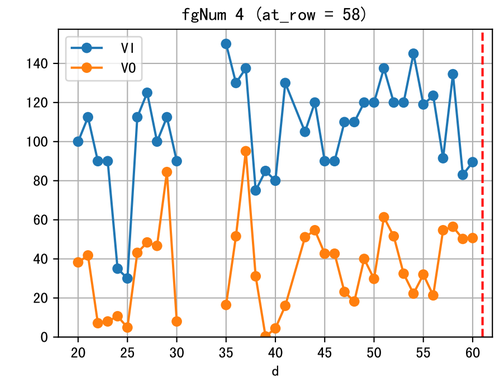
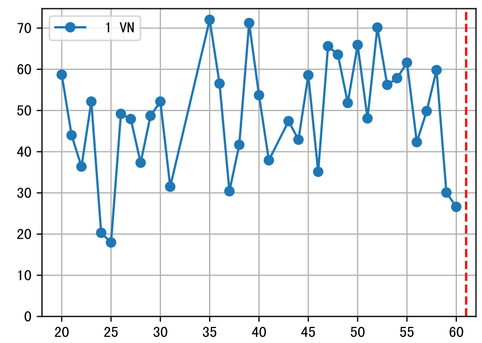
FgArea: ['4']
NJ15 L1
2025-12-06 (Day 61)

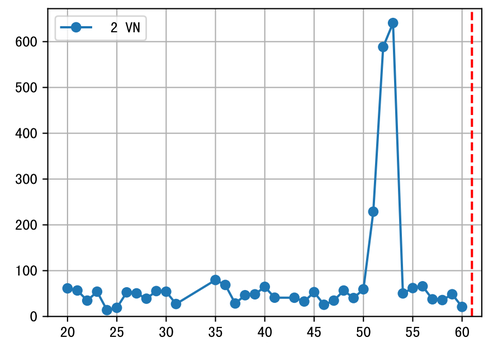

fgNum 1 (at_row =)
VI
VO
d

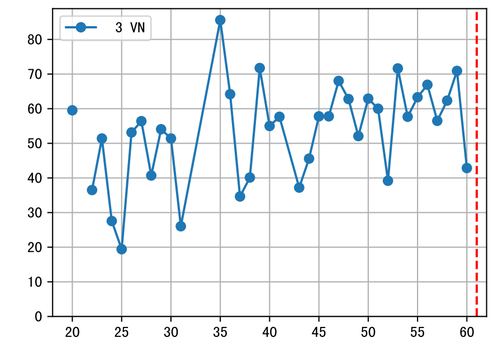

fgNum 2 (at_row =)
VI
VO
d

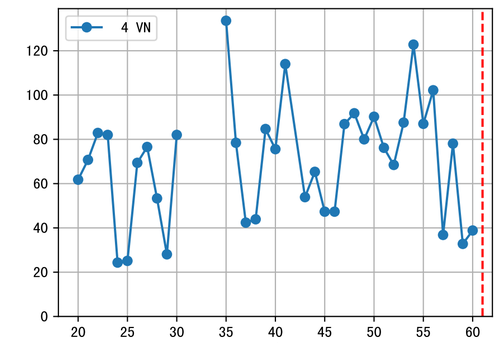

fgNum 3 (at_row =)
VI
VO
d

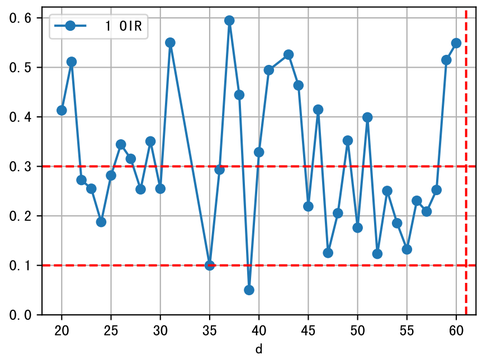

fgNum 4 (at_row = 58)
VI
VO
d

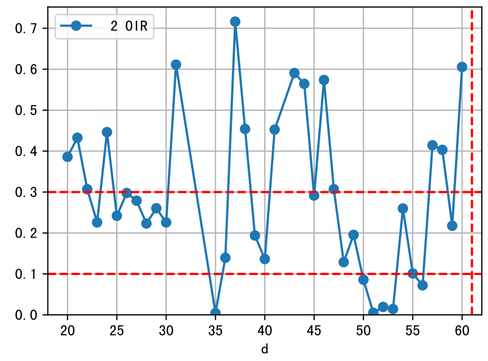

1 VN
d

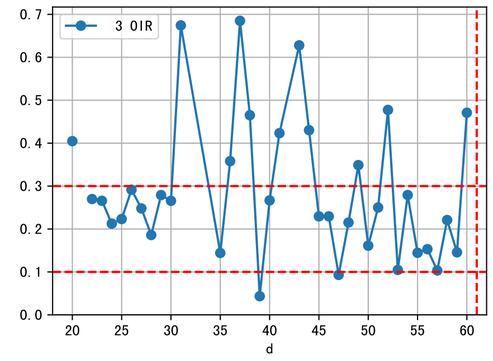

2 VN
d

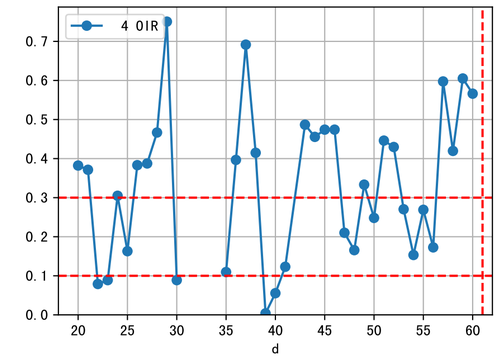

3 VN
d

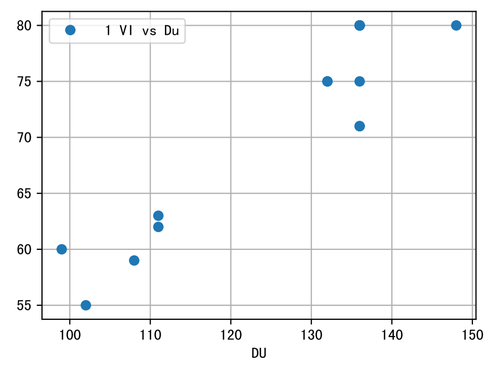

4 VN
d

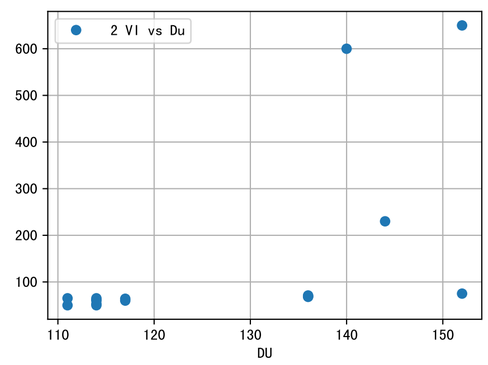

1 OIR
d

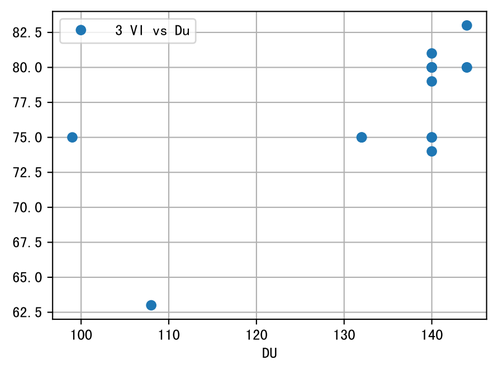

2 OIR
d

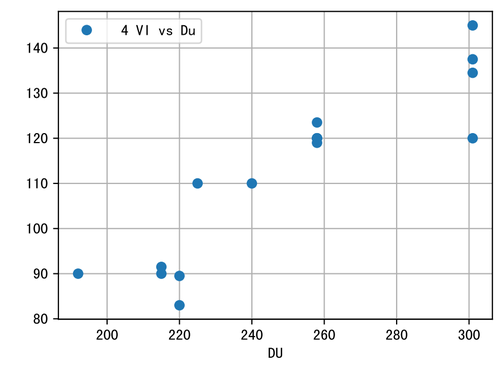

3 OIR
d

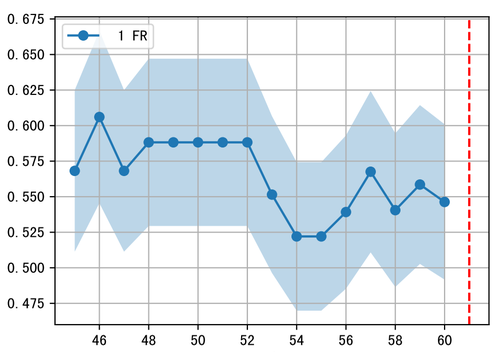

4 OIR
d

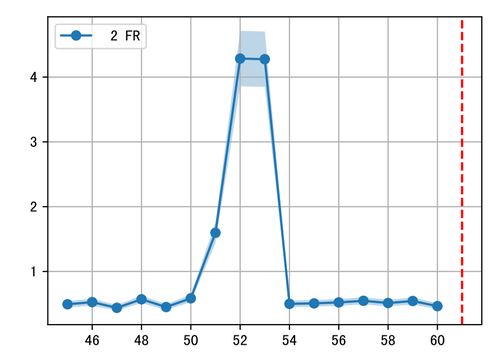

1 VI vs Du
DU

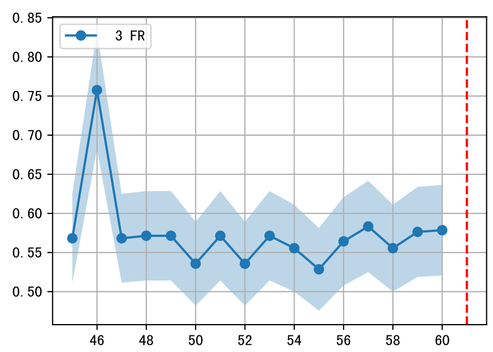

2 VI vs Du
DU

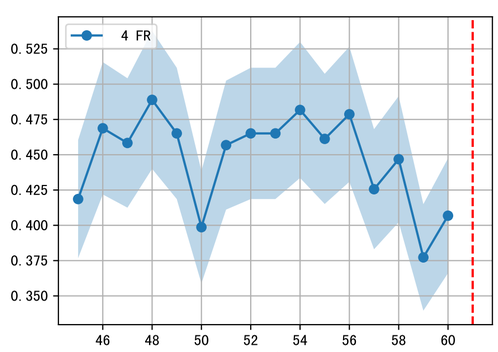

3 VI vs Du
DU

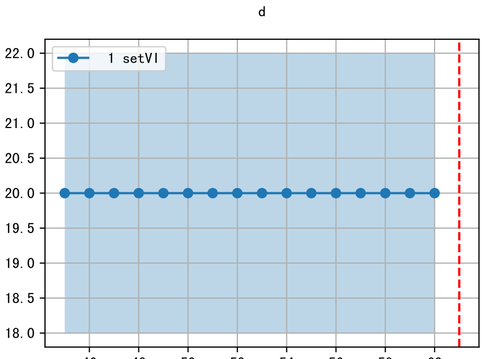

4 VI vs Du
DU

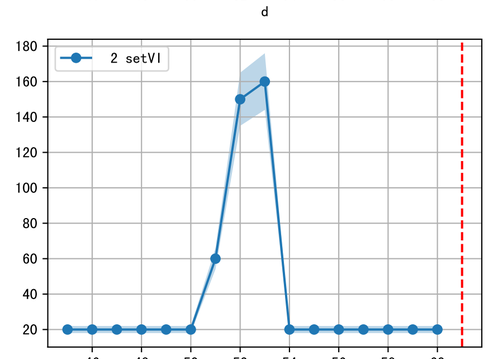

1 FR
d

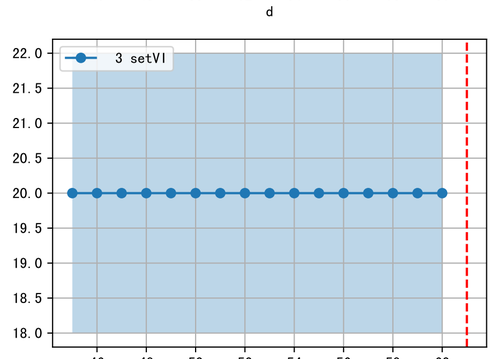

2 FR
d

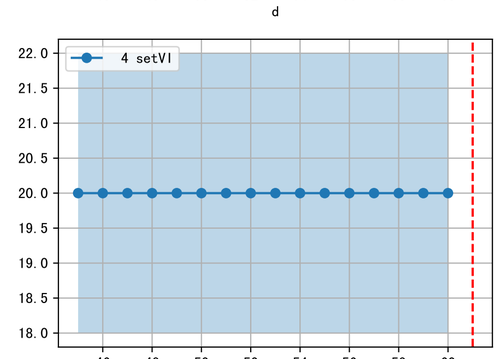

3 FR
d

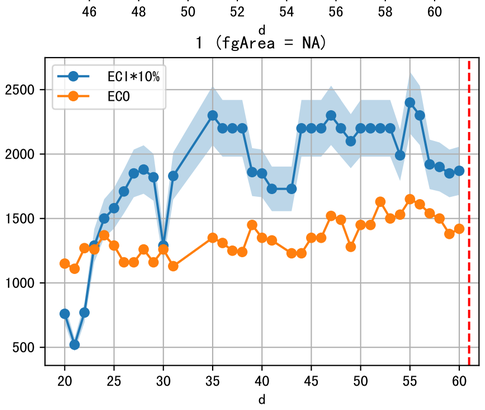

4 FR
d

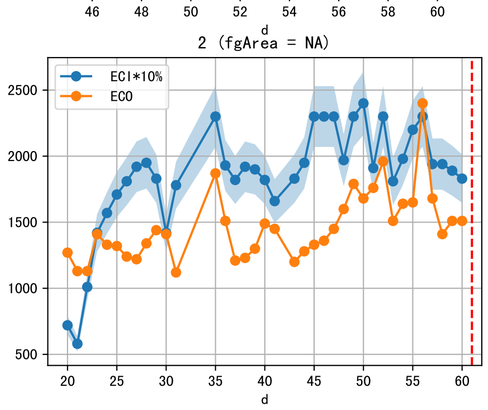

1 setVI
d

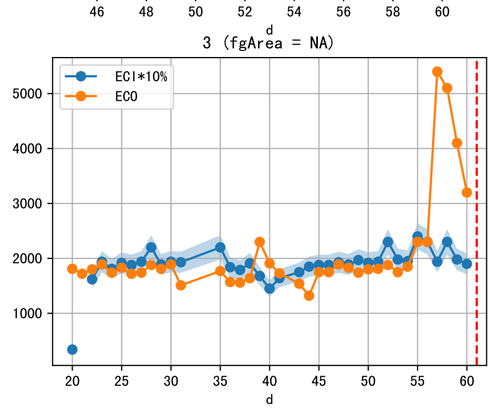

2 setVI
d

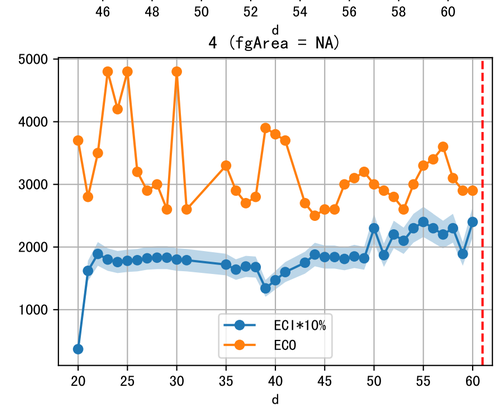

3 setVI
d

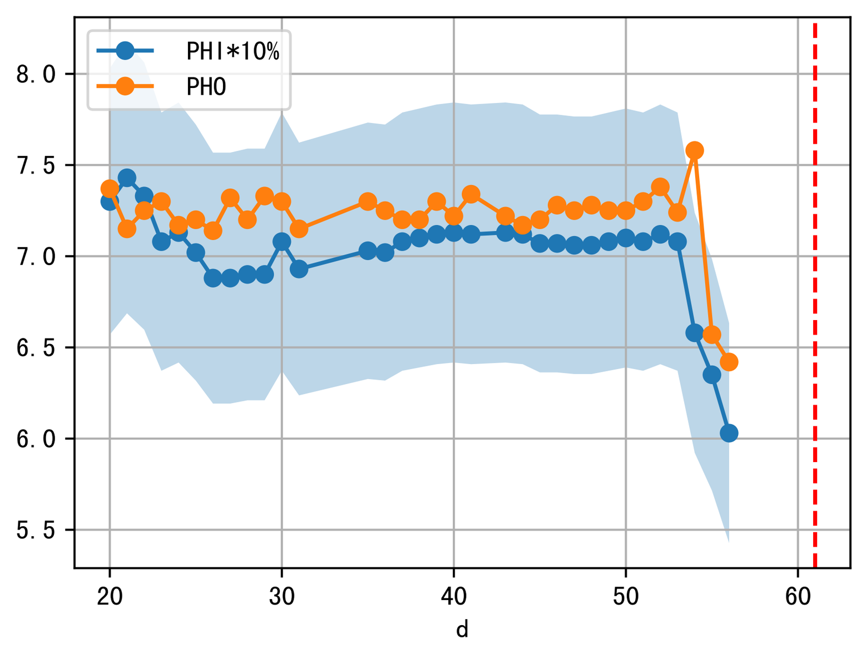

4 setVI
d

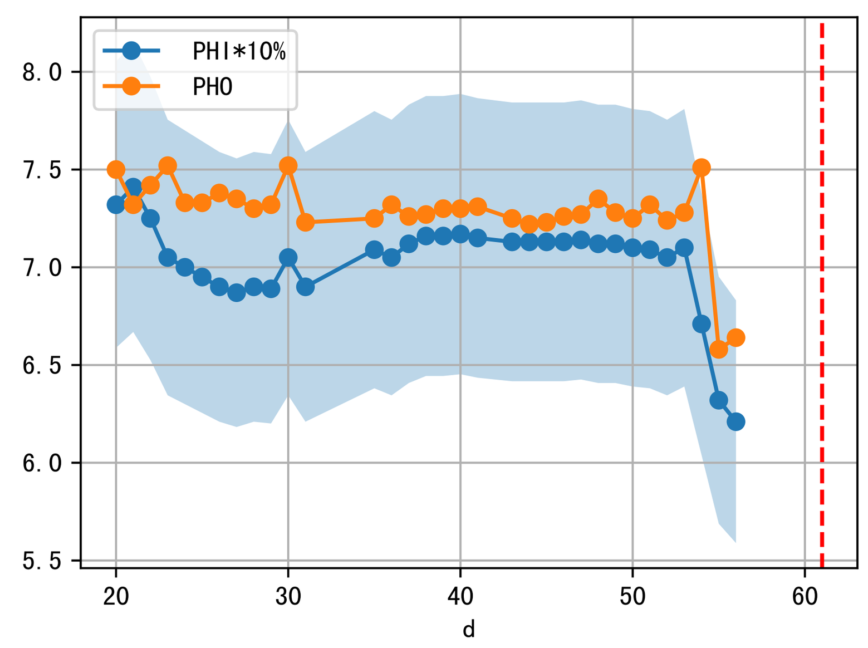

1 (fgArea = NA)
ECI*10%
ECO
d

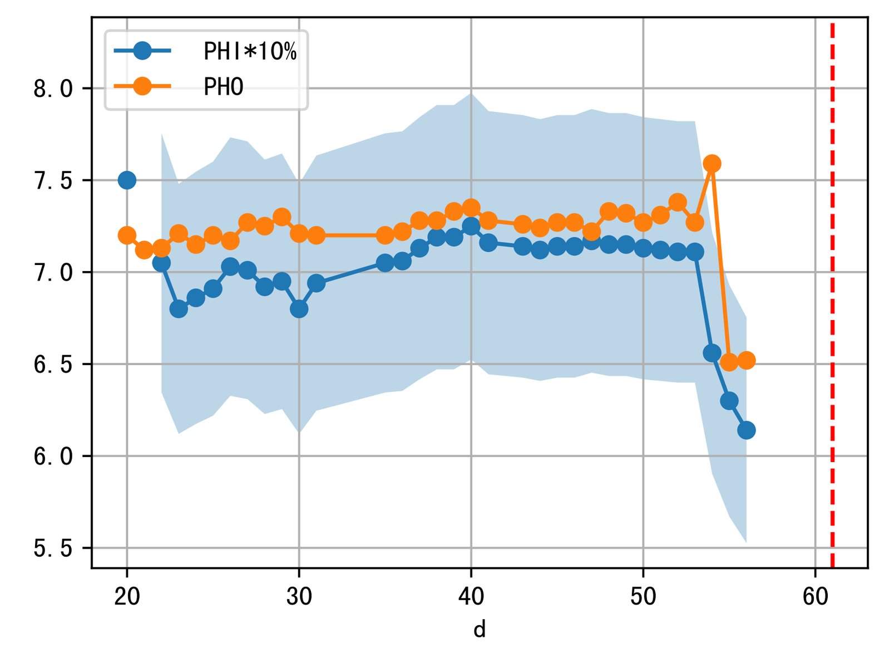

2 (fgArea = NA)
ECI*10%
ECO
d

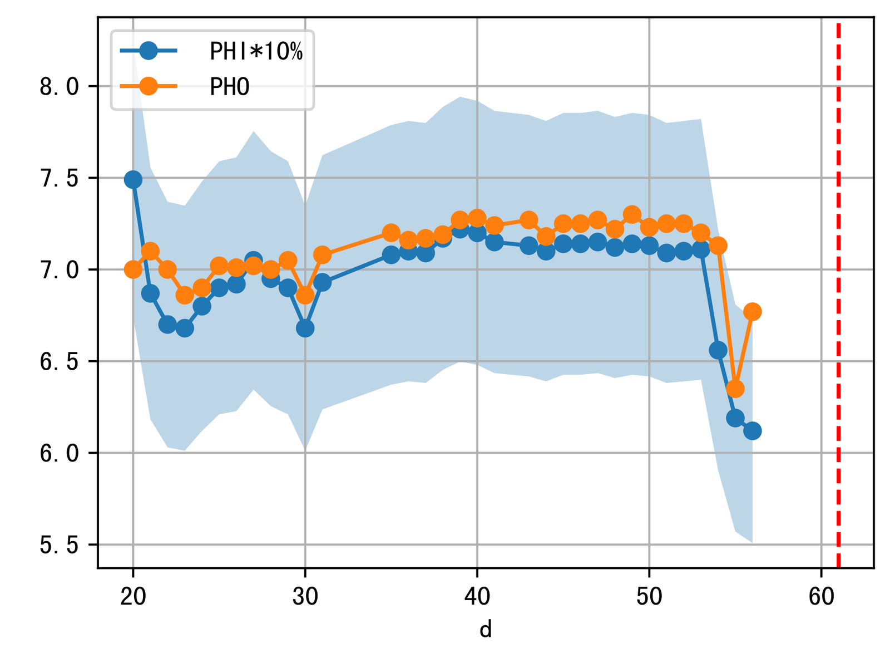

3 (fgArea = NA)
ECI*10%
ECO
d

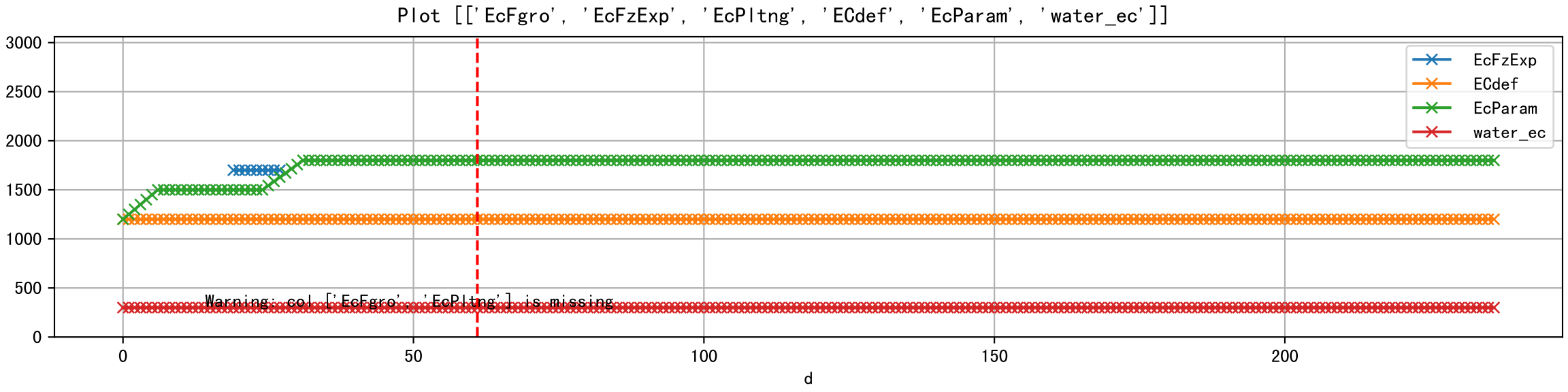

4 (fgArea = NA)
ECI*10%
ECO
d

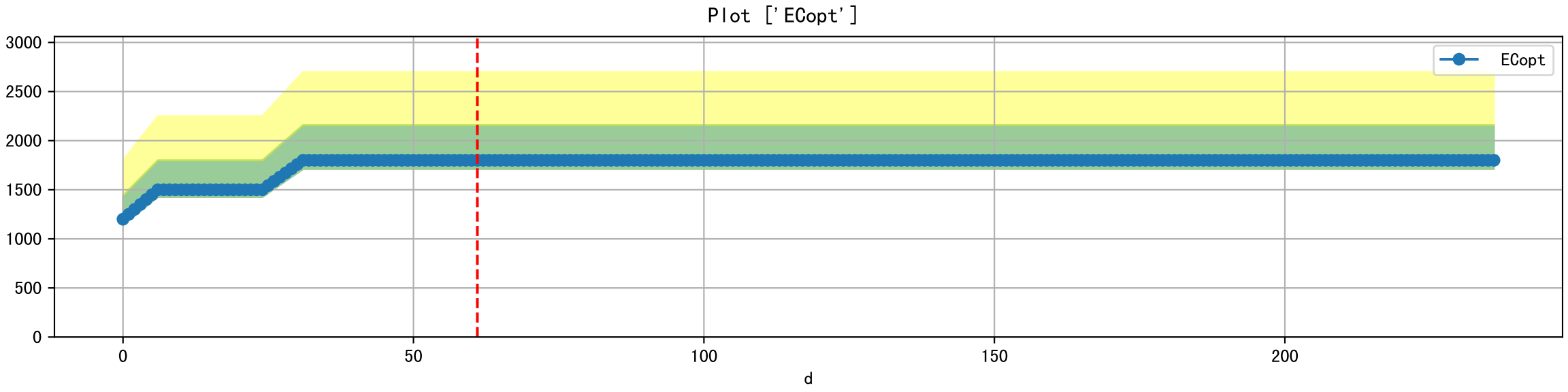

PHI*10%
PHO
d


PHI*10%
PHO
d


PHI*10%
PHO
d

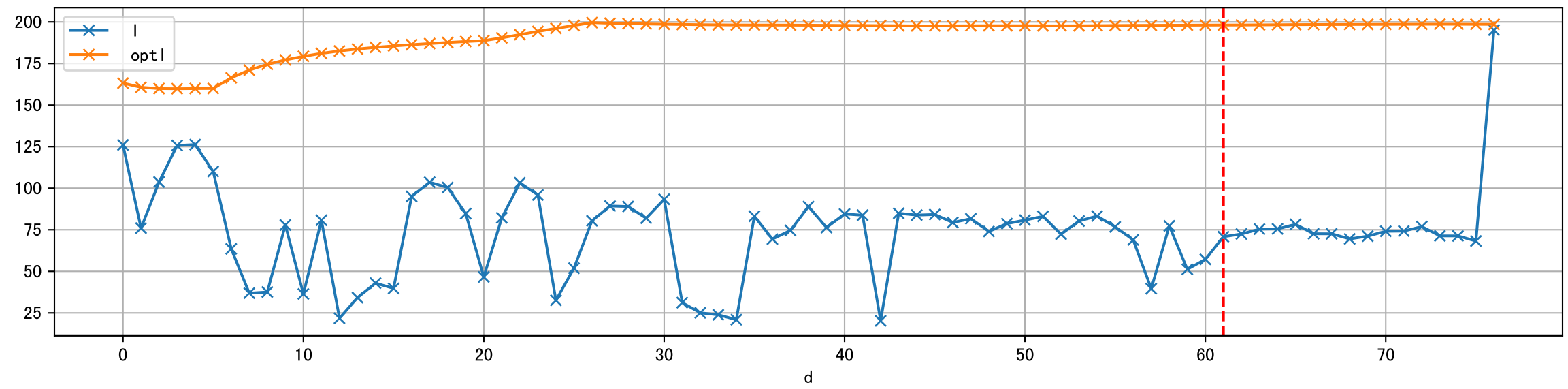

PHI*10%
PHO
d

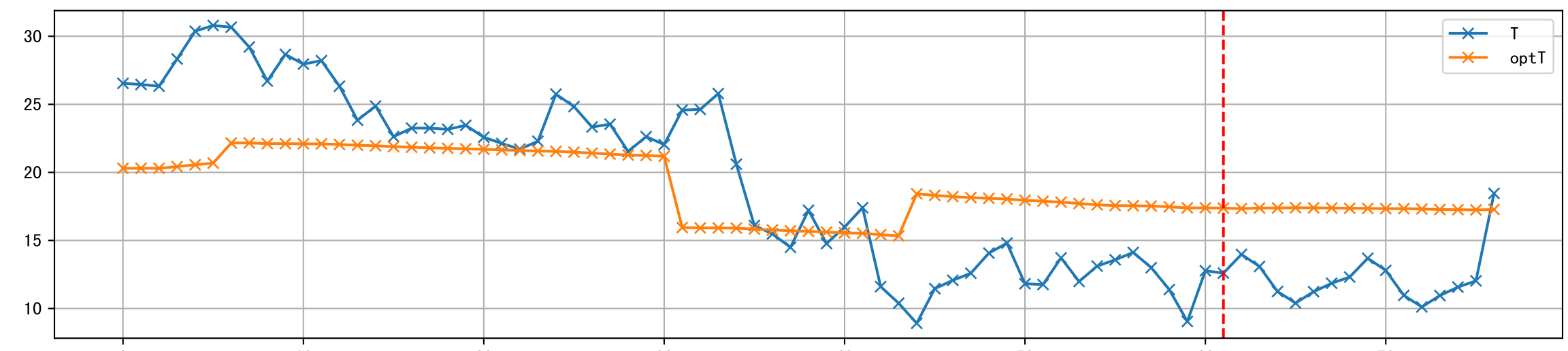

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

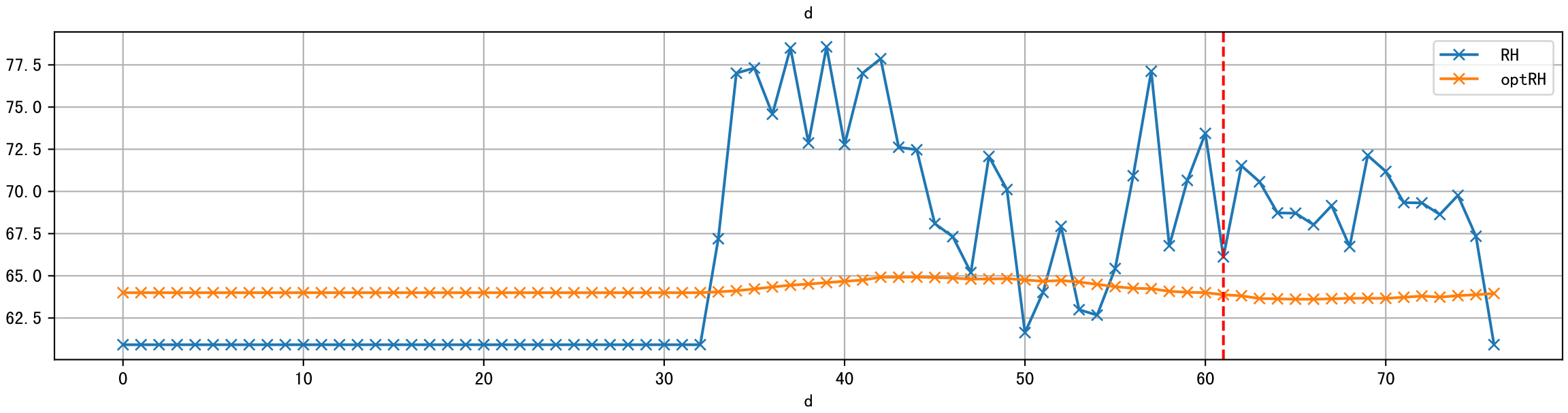

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

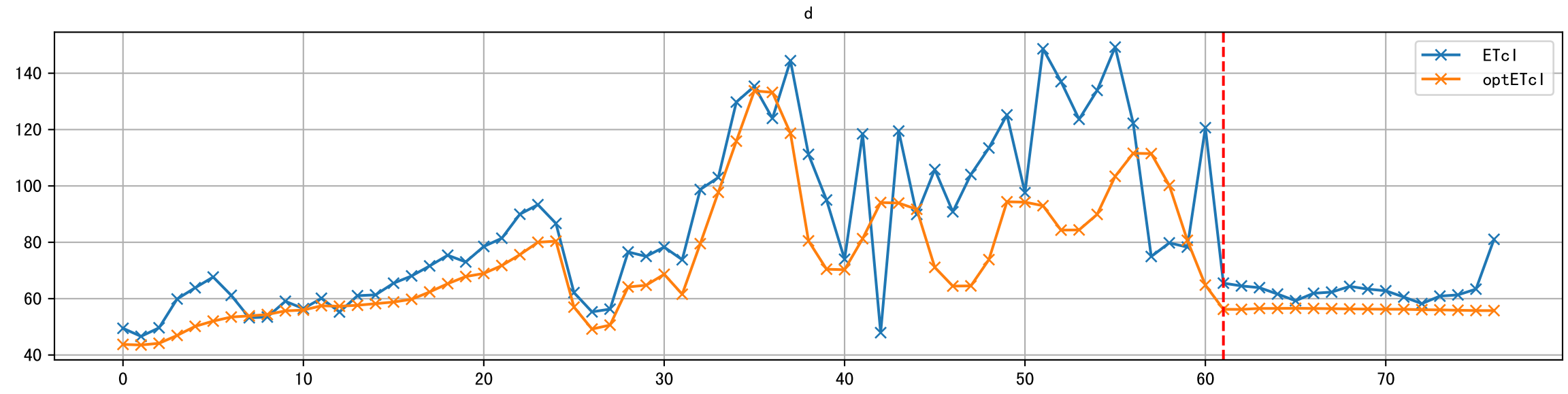
Plot Sensor and FgRec Data

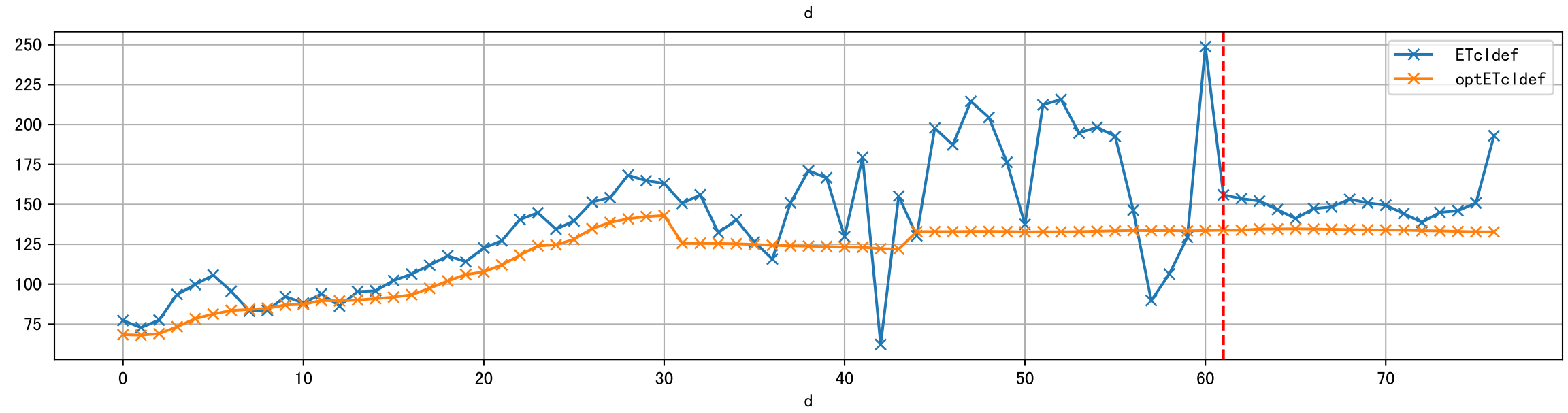
['I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

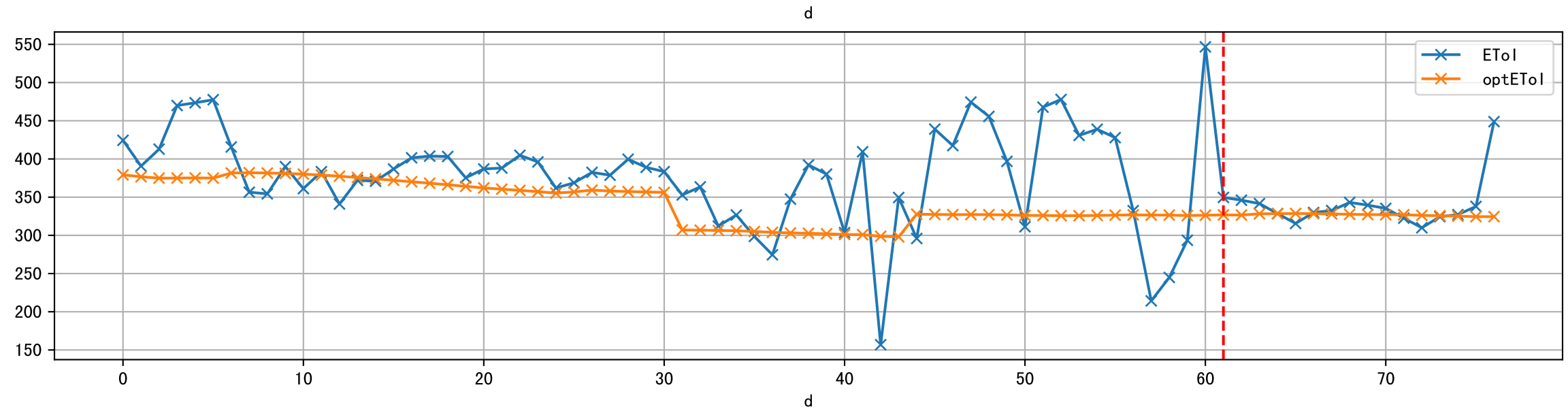


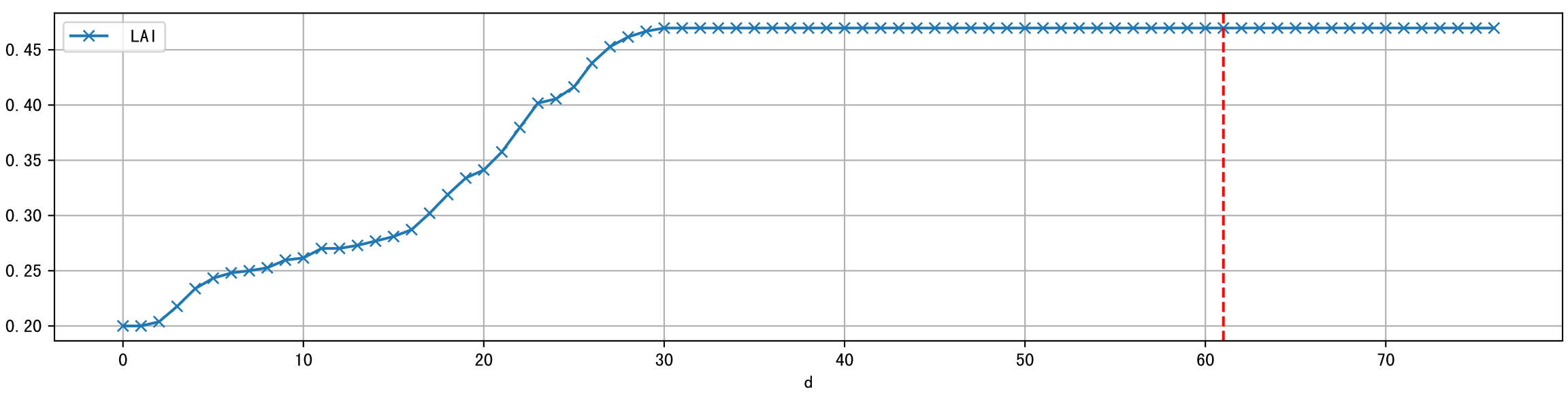


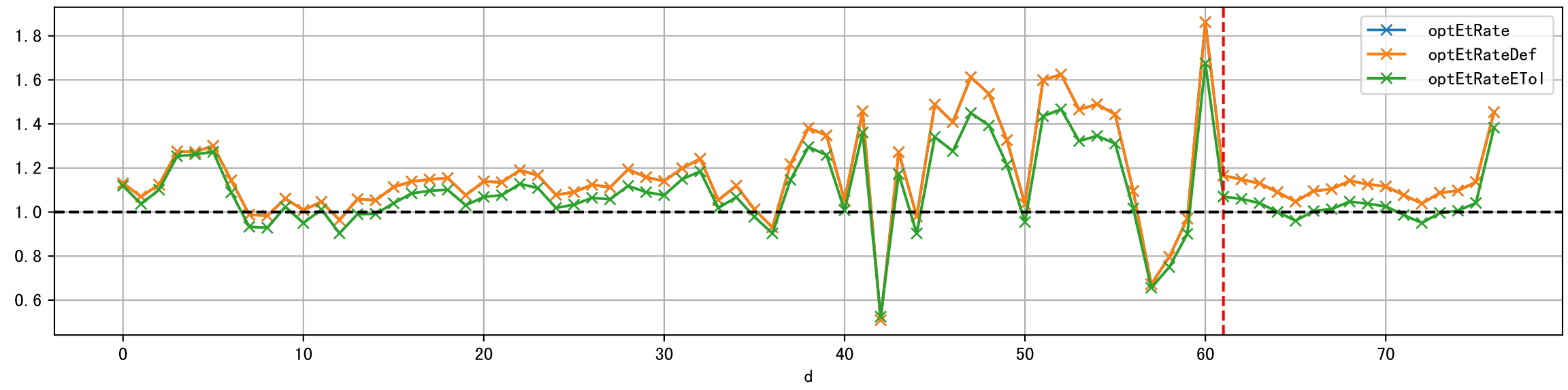


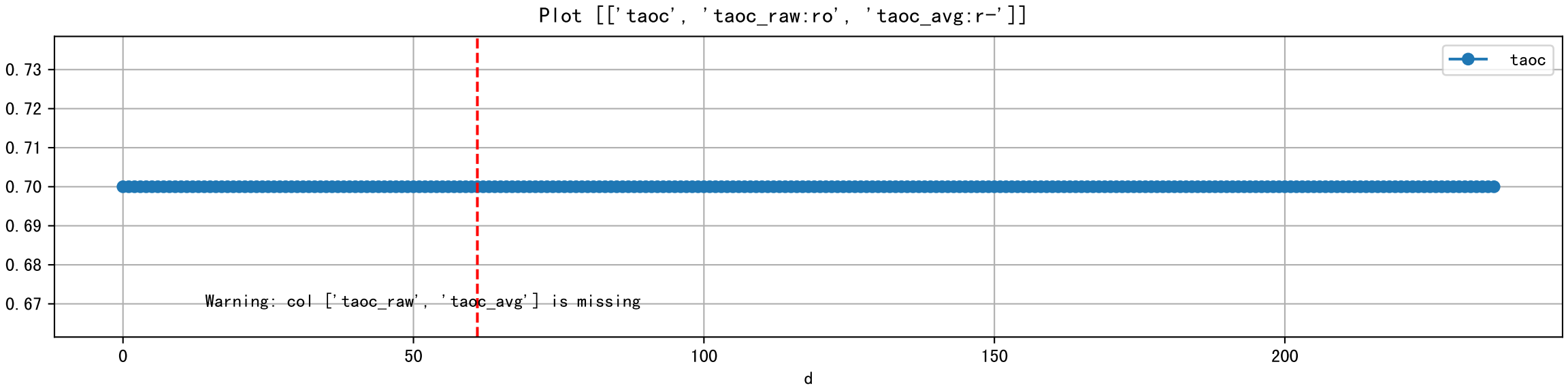


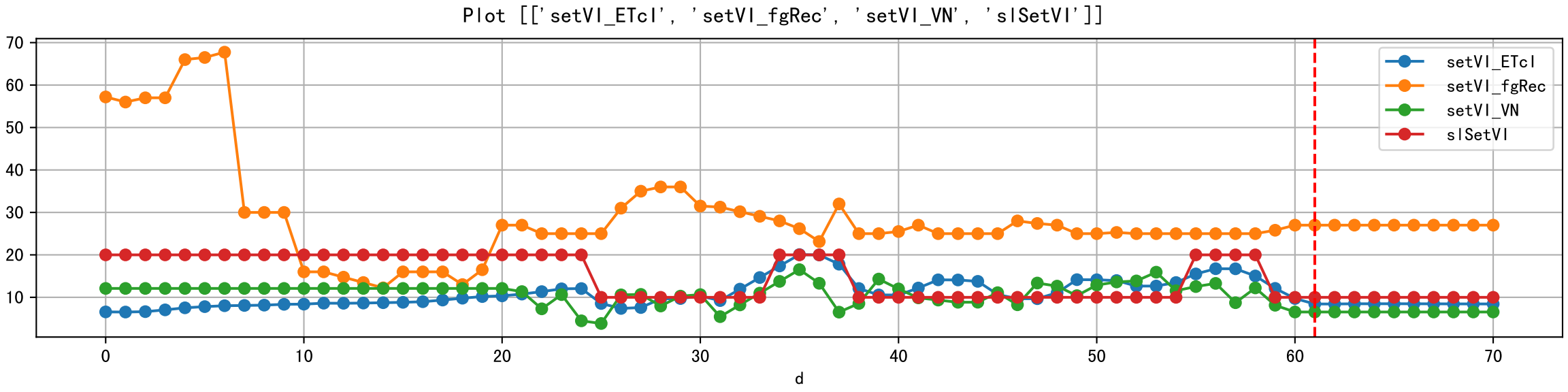


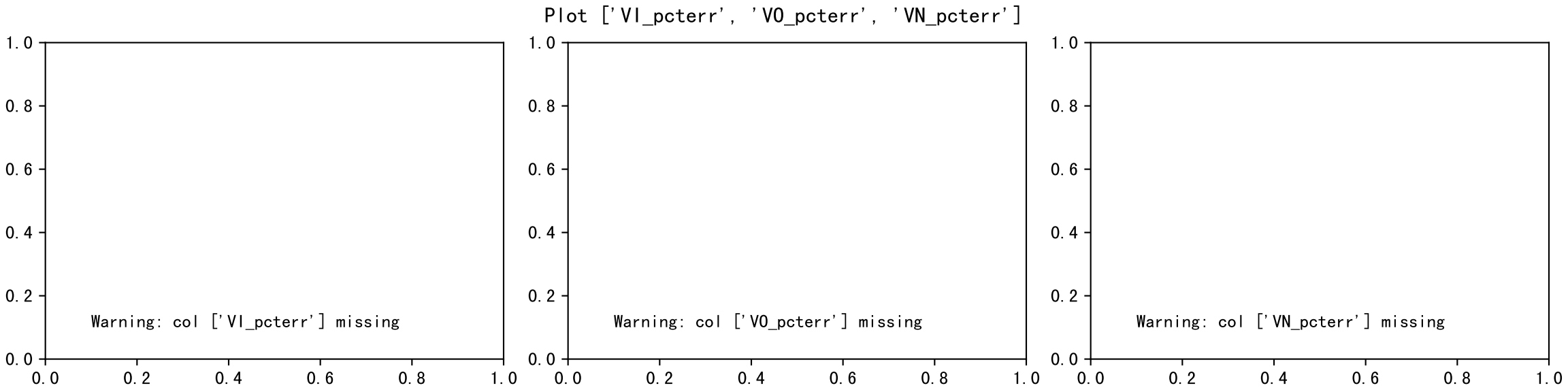


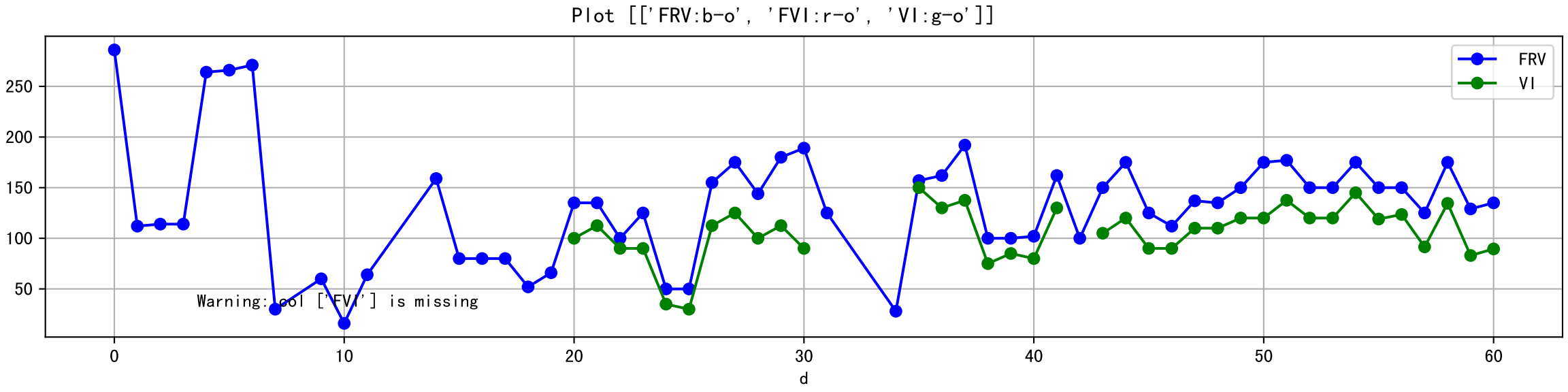


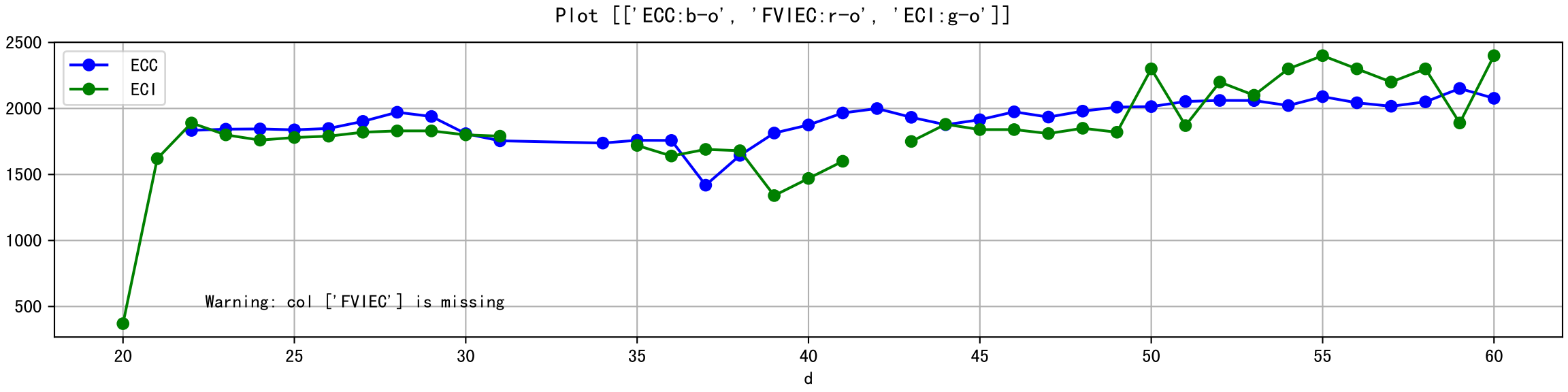


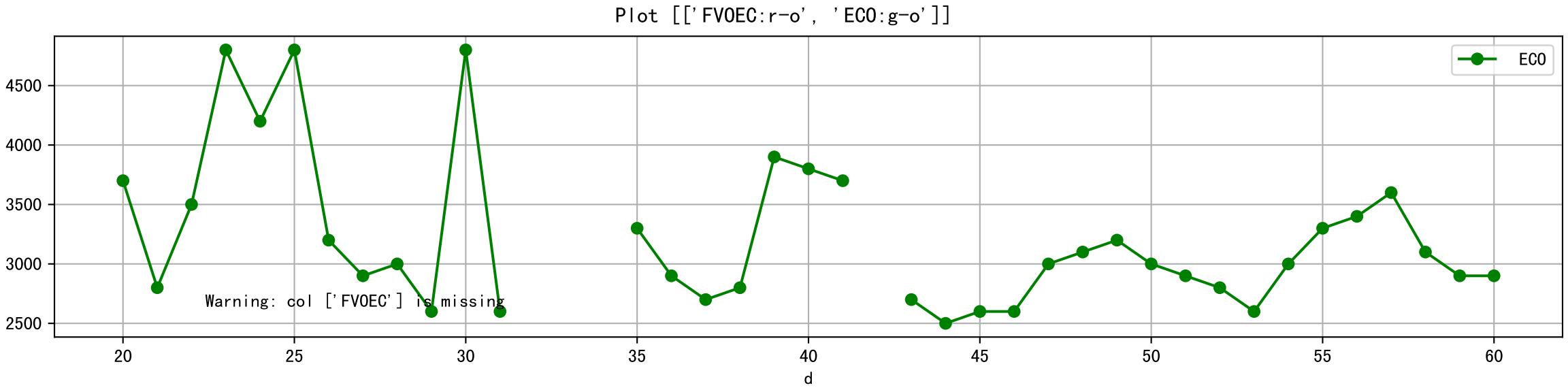

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

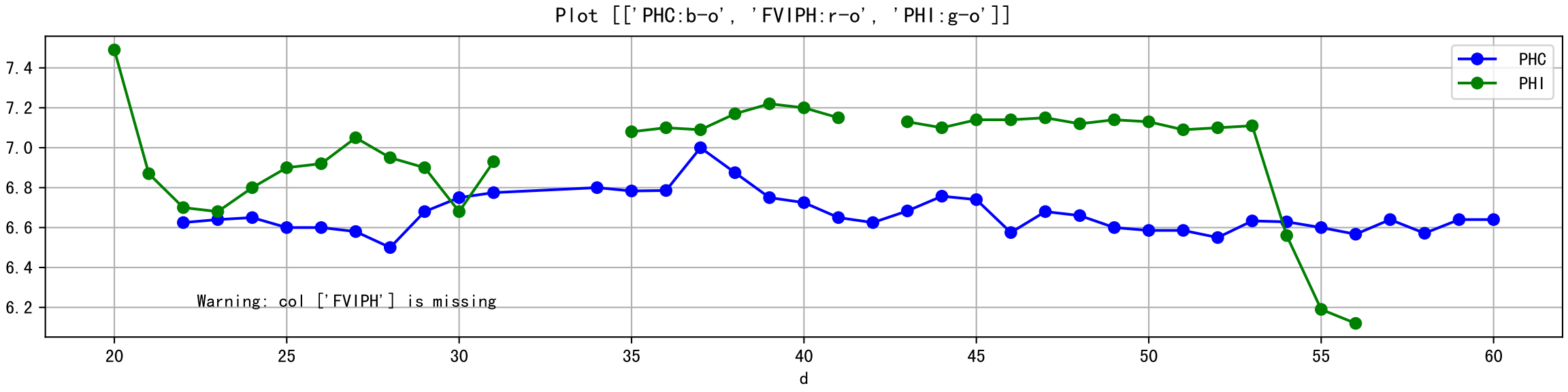

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
d

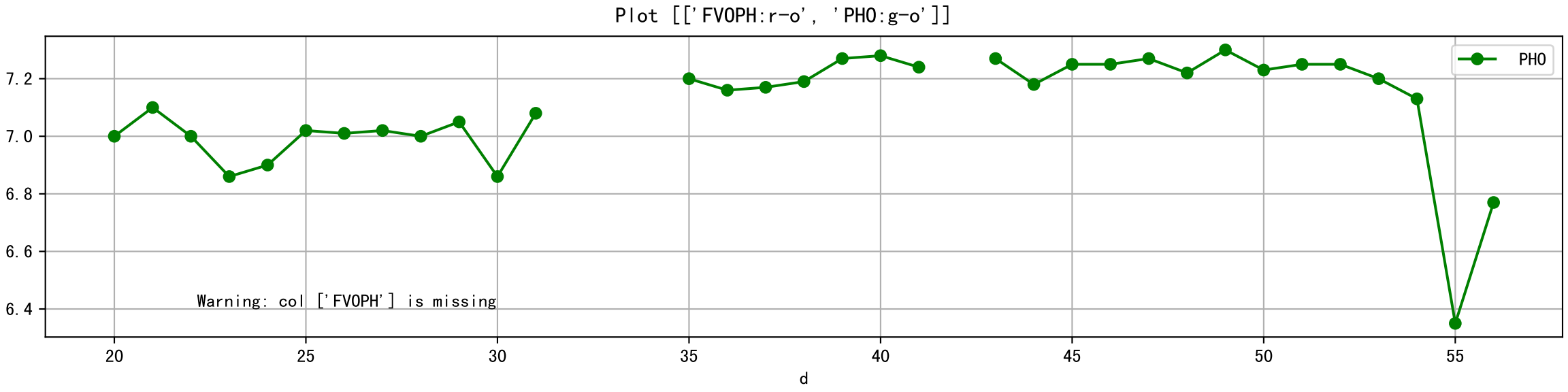

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

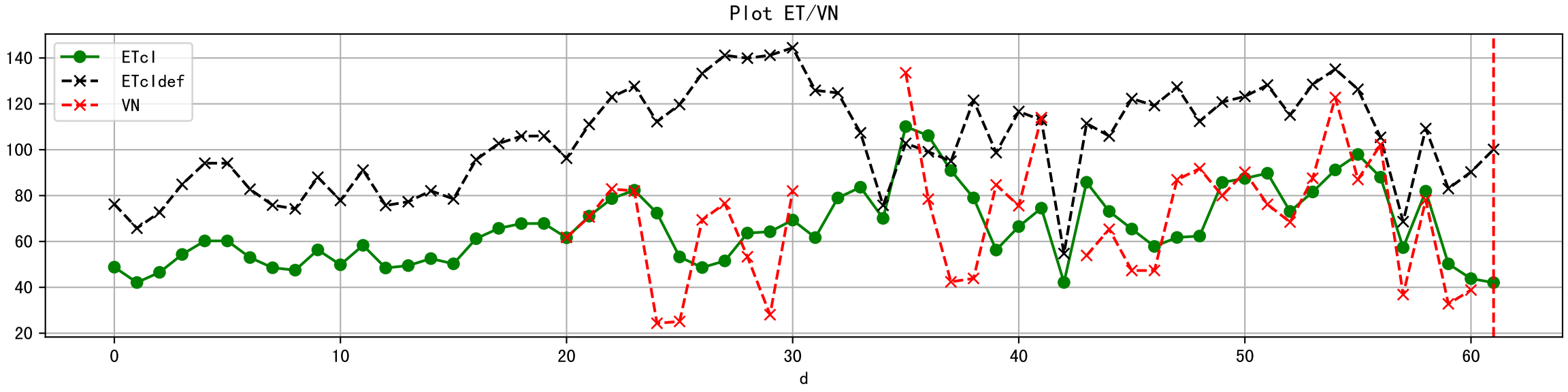

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
250
200
150
100
50
0
10
20
30
40
50
60
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2500
2000
1500
1000
500
20
25
30
35
40
45
50
55
60
d

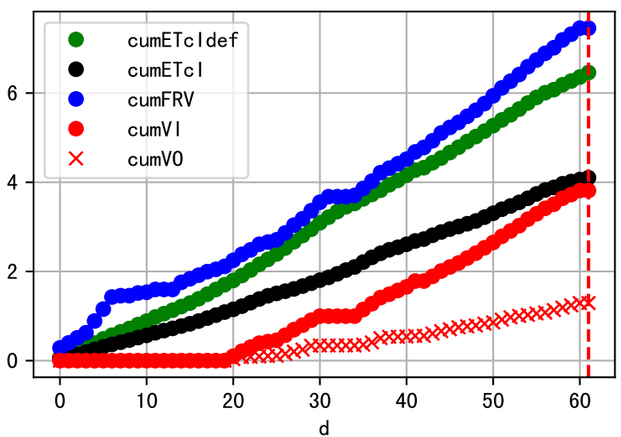

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
20
25
30
35
40
45
50
55
60
d

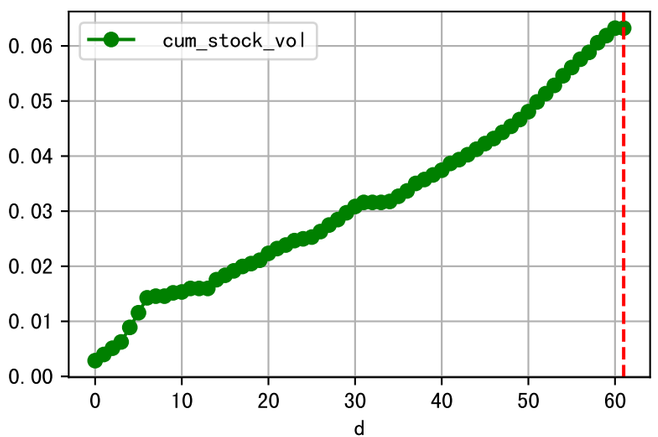

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
25
30
35
40
45
50
55
60
d

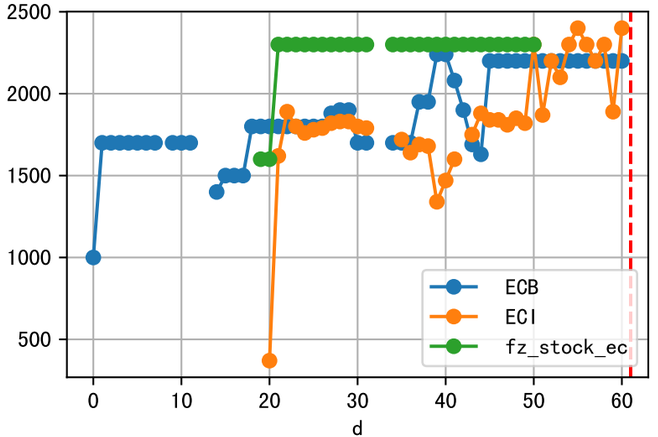

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.2
7.0
6.8
6.6
6.4
20
25
30
35
40
45
50
55
d

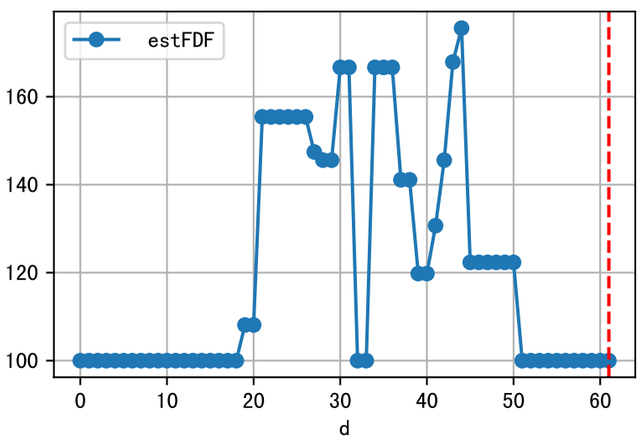

Plot ET/VN
ETcl
ETcldef
VN
140
120
100
80
60
40
20
0
10
20
30
40
50
60
d

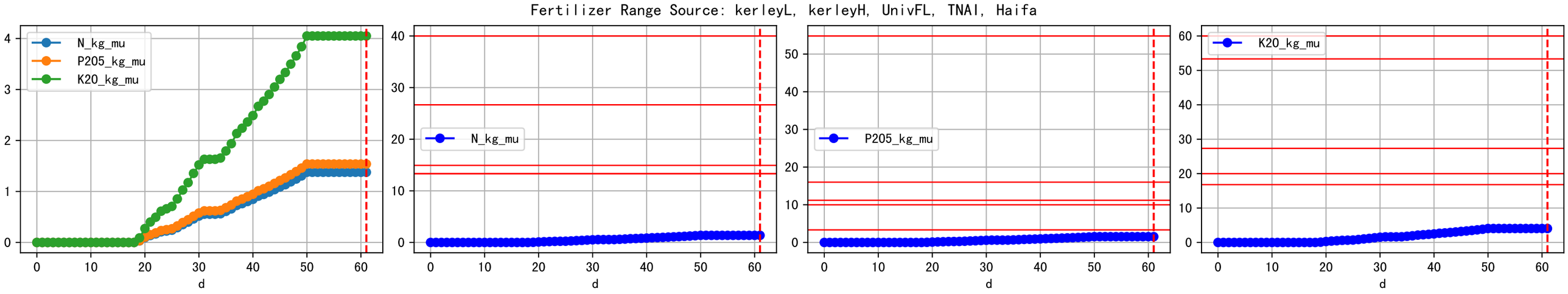
Plot Fv and fertilizer usage

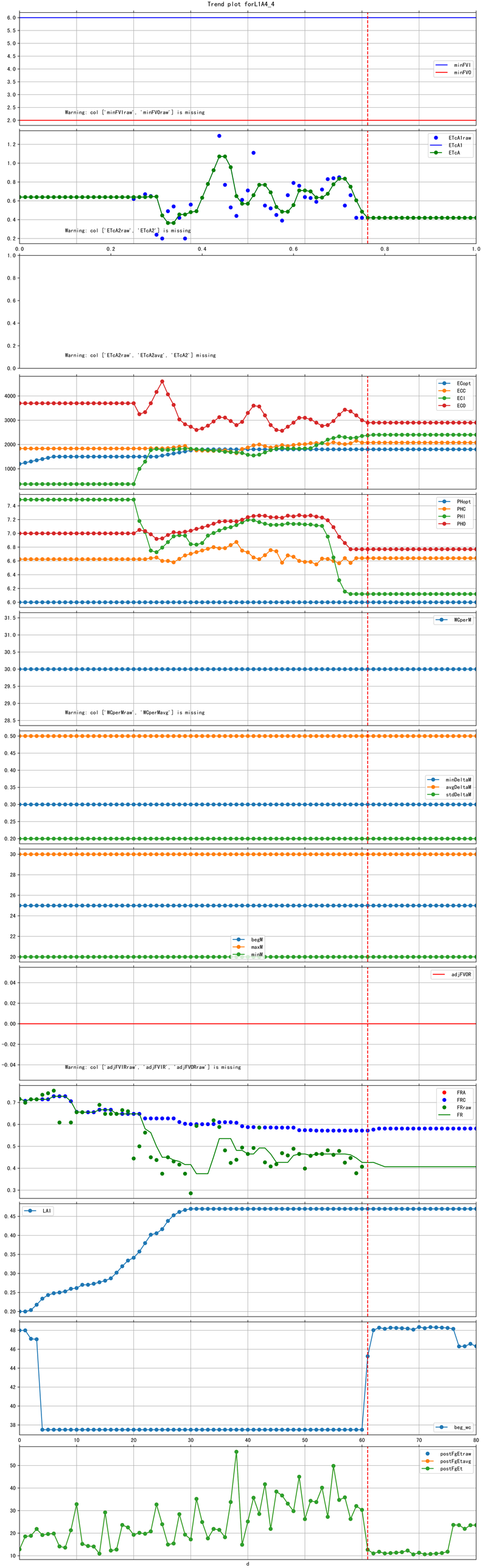


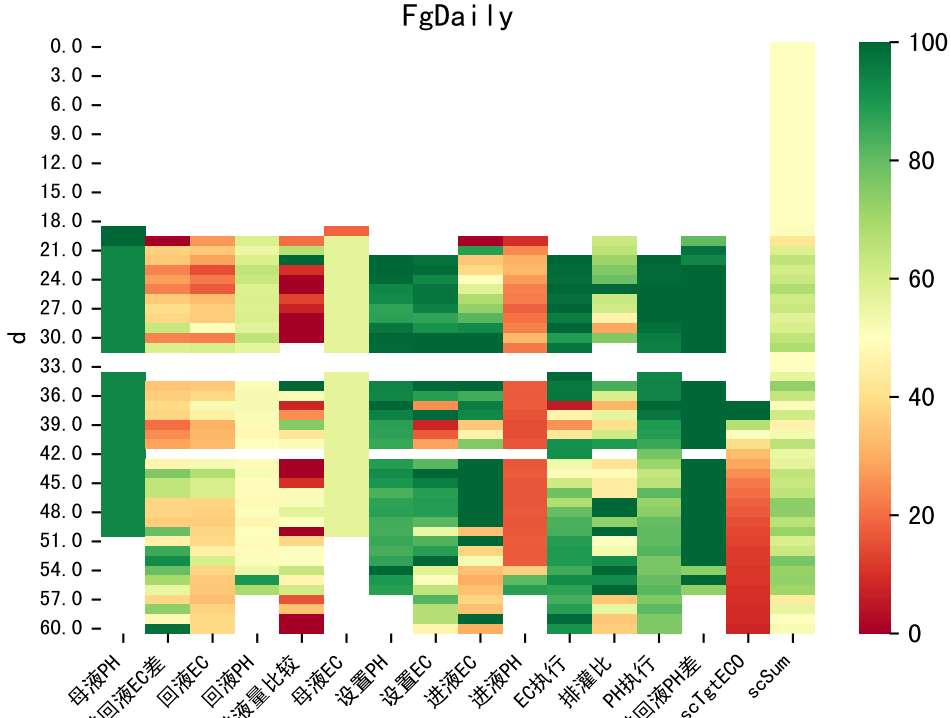




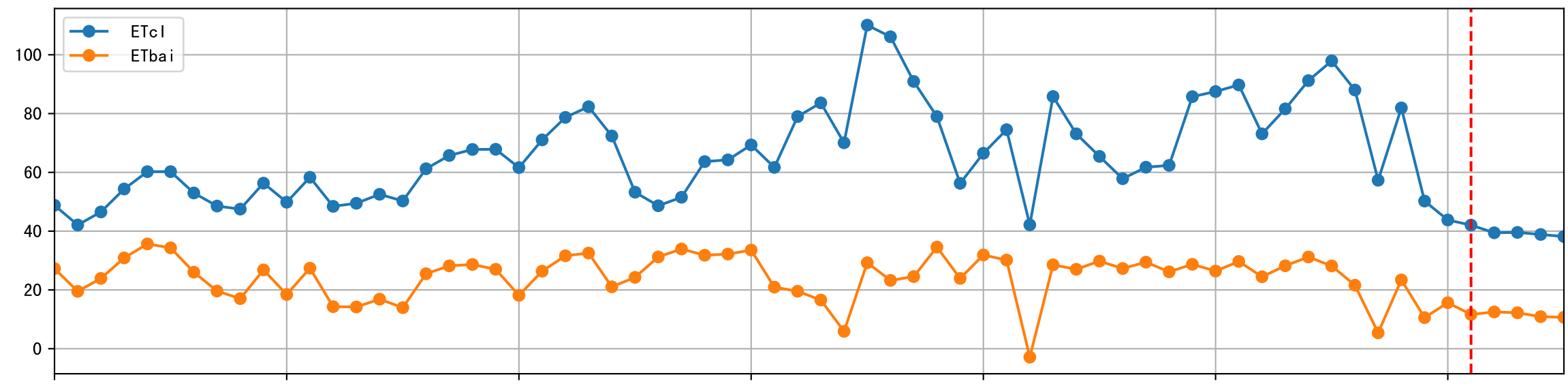


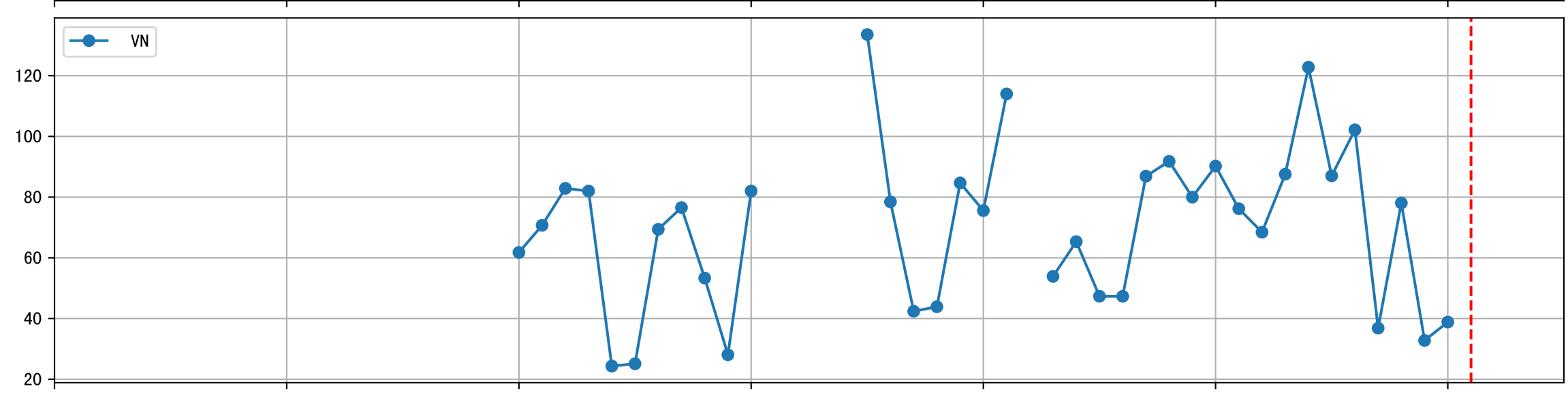

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

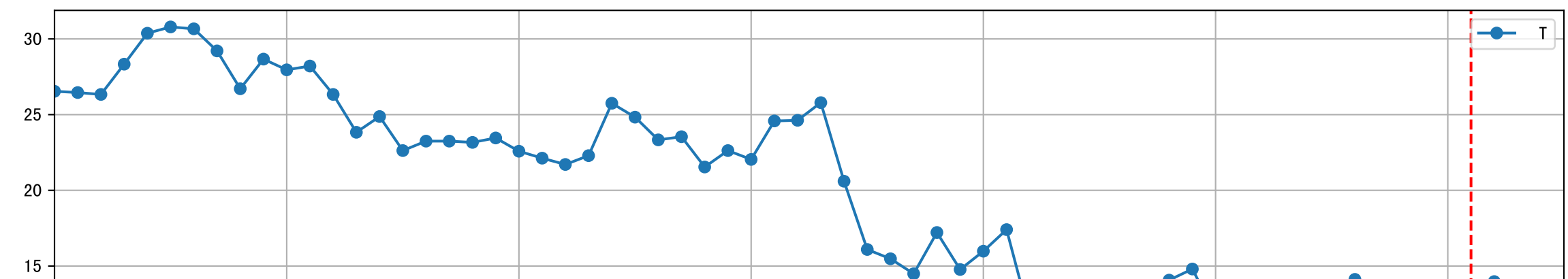

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

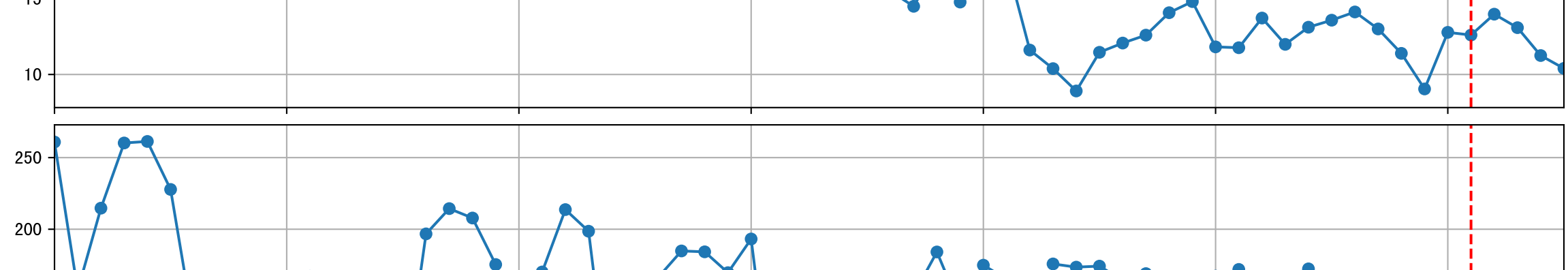

FgDaily
d
0.0
3.0
6.0
9.0
12.0
15.0
18.0
21.0
24.0
27.0
30.0
33.0
36.0
39.0
42.0
45.0
48.0
51.0
54.0
57.0
60.0
100
80
60
40
20
0
母液PH
回液EC差
回液EC
回液PH
液量比较
母液EC
设置PH
设置EC
进液EC
进液PH
EC执行
排灌比
PH执行
回液PH差
scTgtEC0
scSum

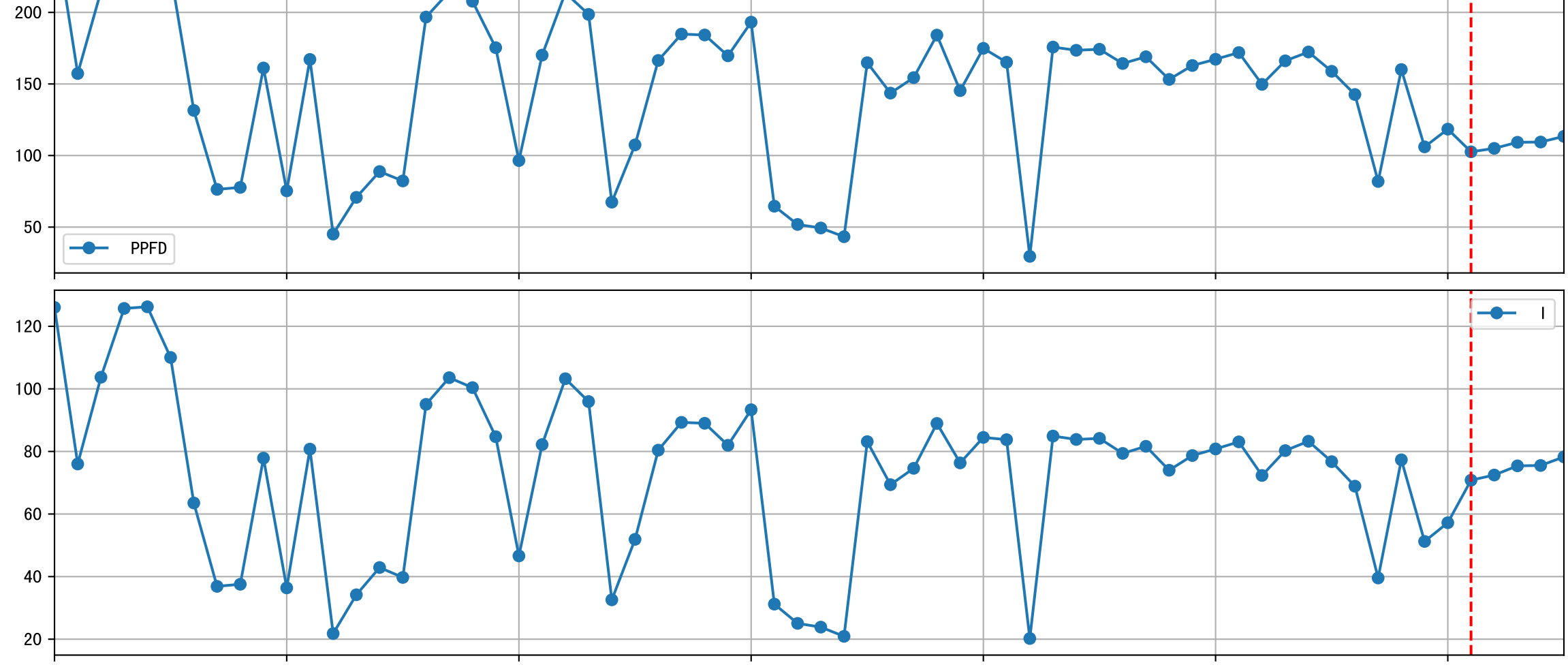
L1A4_4

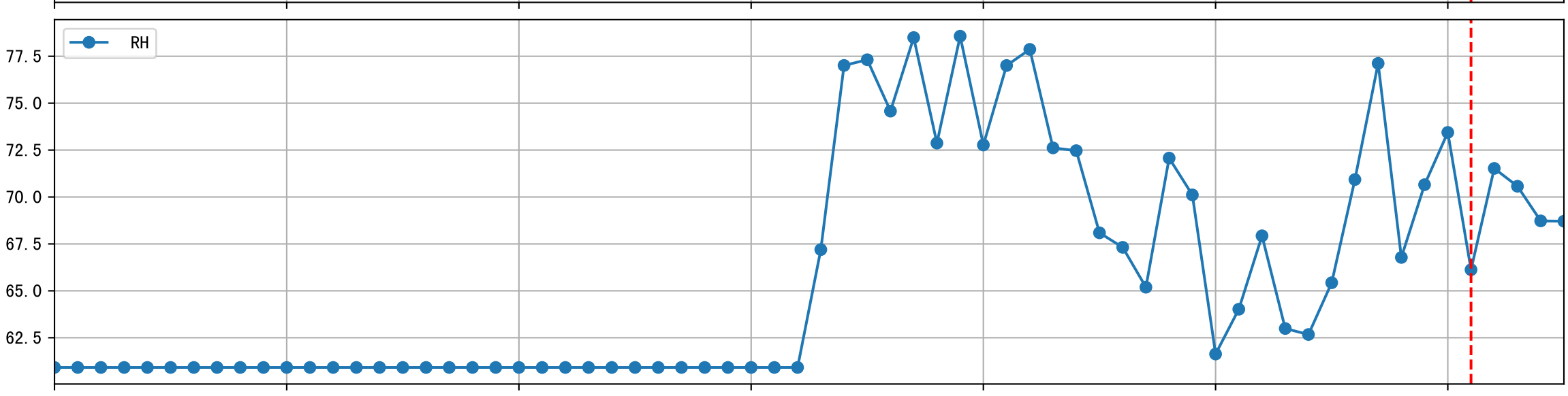

ETcl
ETbai
100
80
60
40
20
0

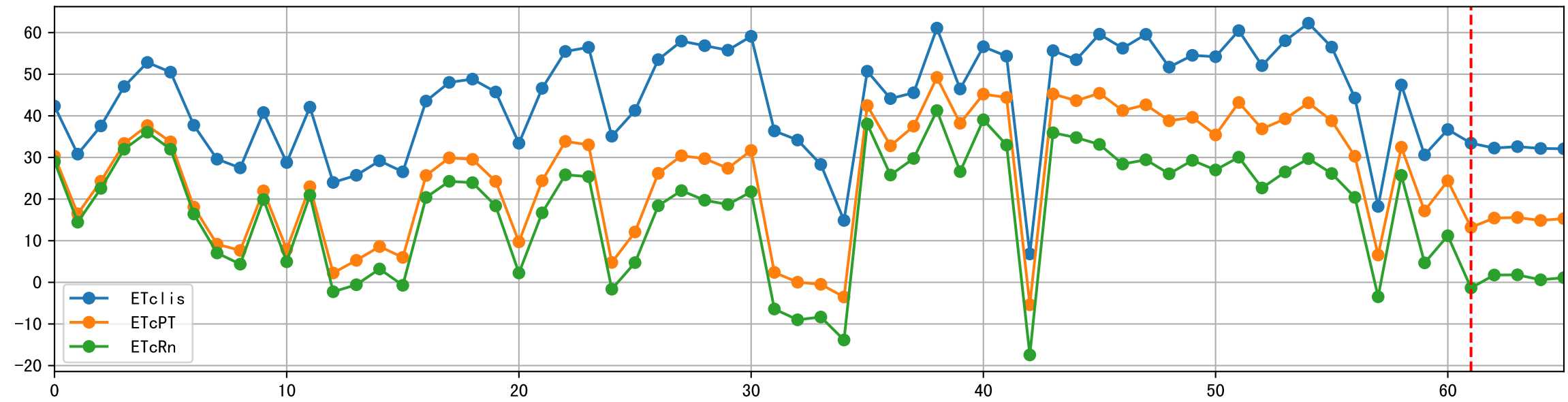

VN
120
100
80
60
40
20

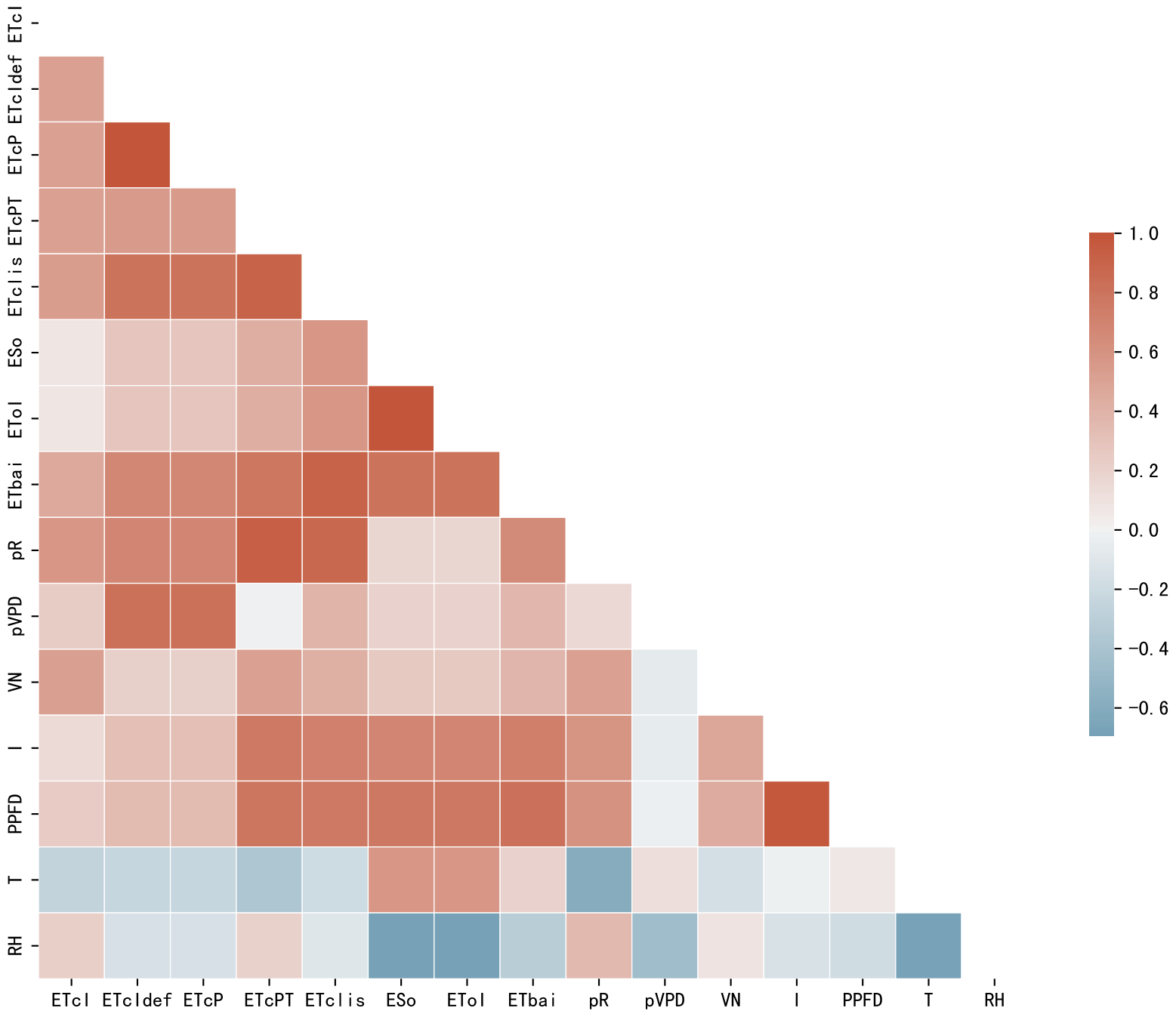

T
30
25
20
15
10

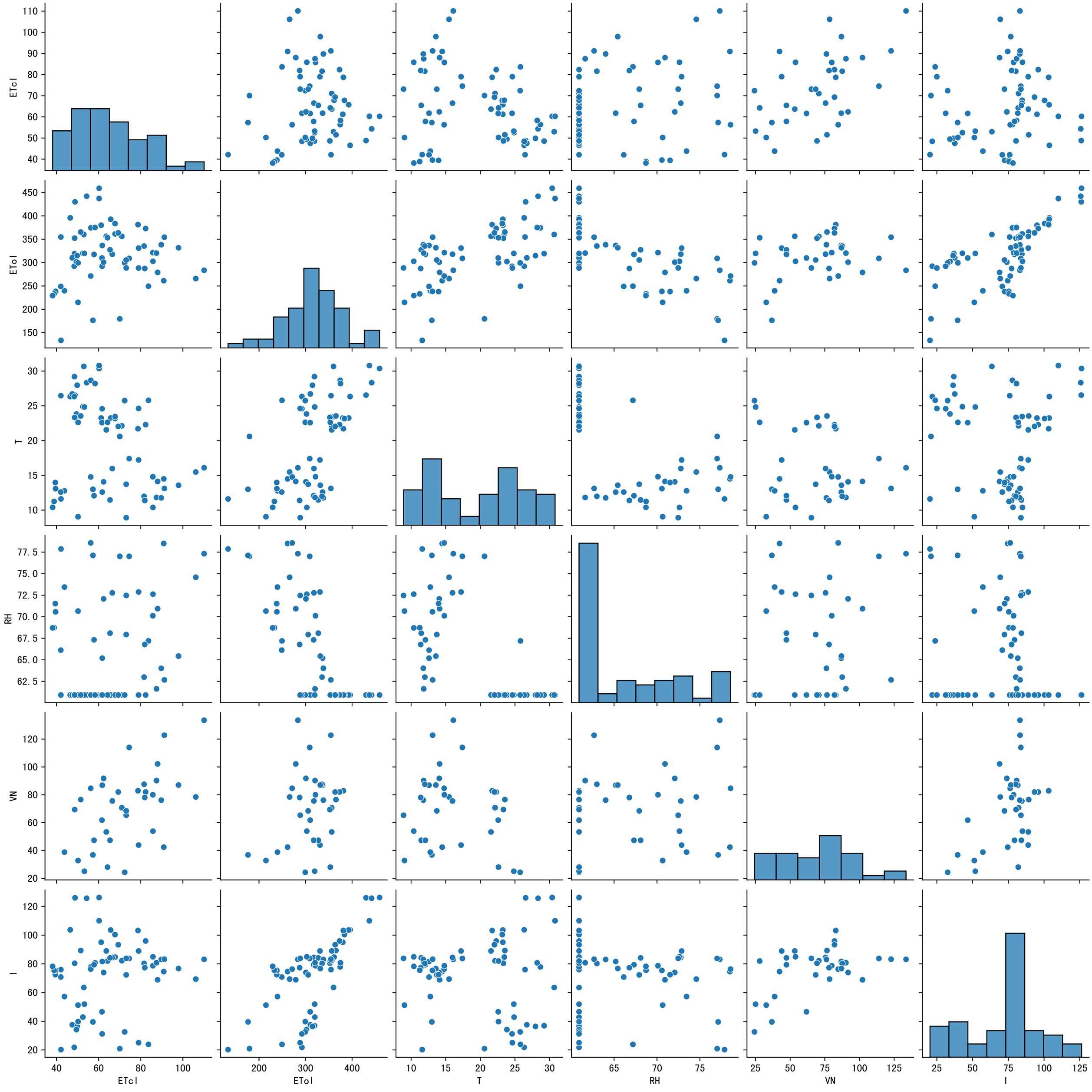

PPFD
250
200
150
100
50

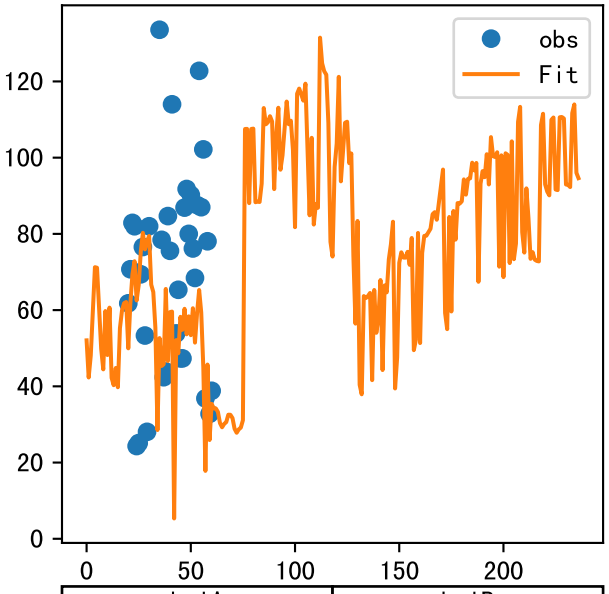

I
120
100
80
60
40
20

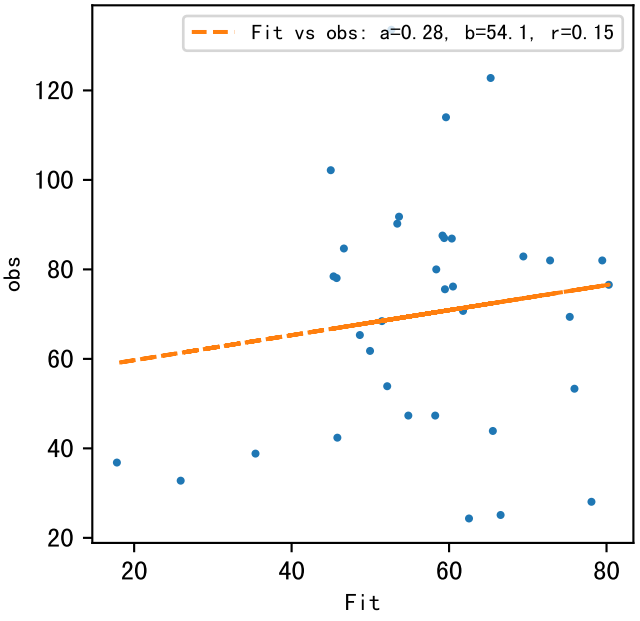

RH
77.5
75.0
72.5
70.0
67.5
65.0
62.5


ETclis
ETcPT
ETcRn
60
50
40
30
20
10
0
−10
−20
0
10
20
30
40
50
60
d

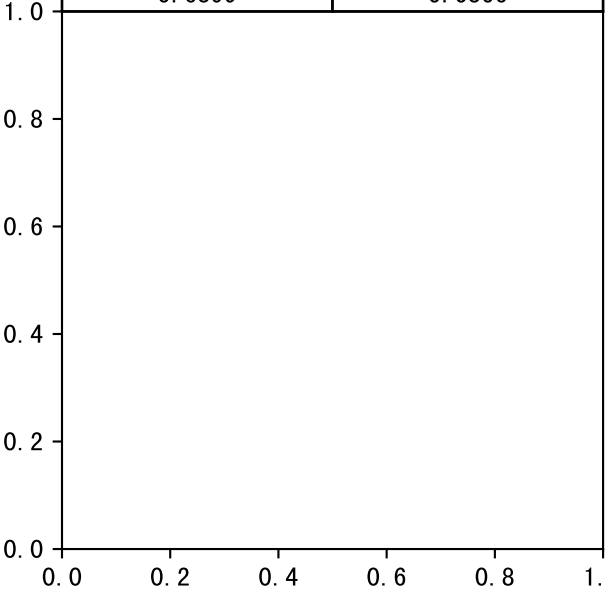

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

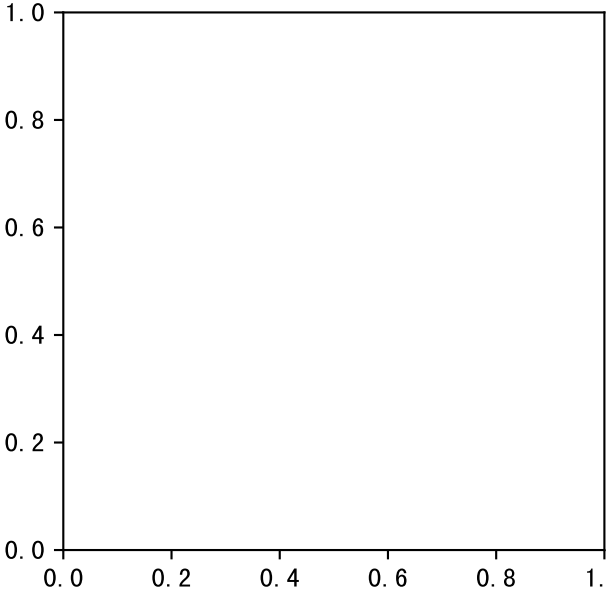

ETcl
ETol
T
RH
VN
I

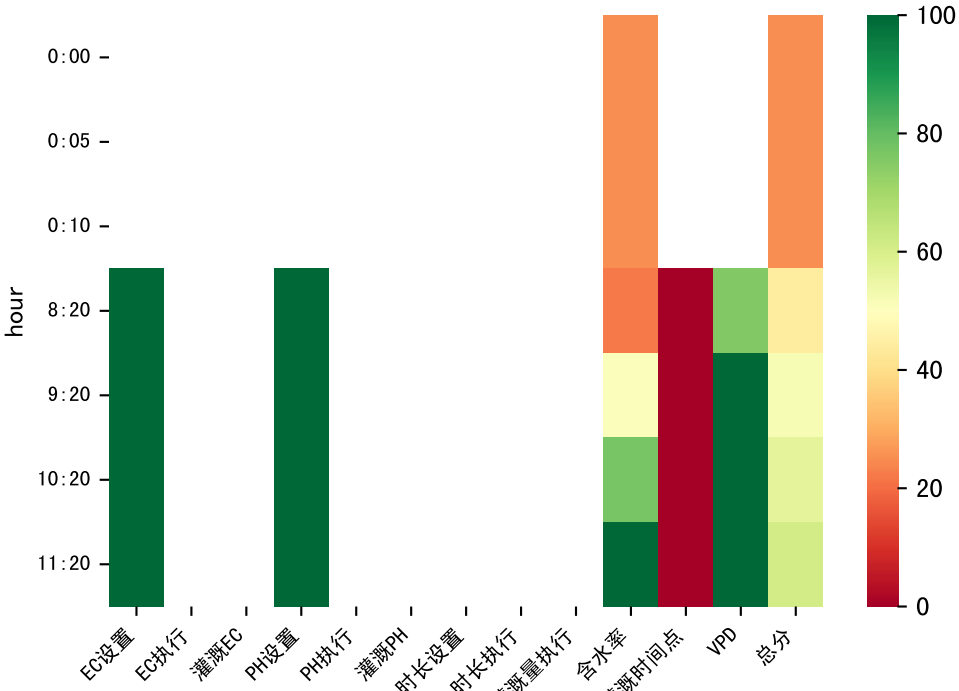




baiA	baiB
0.6399	0.0306

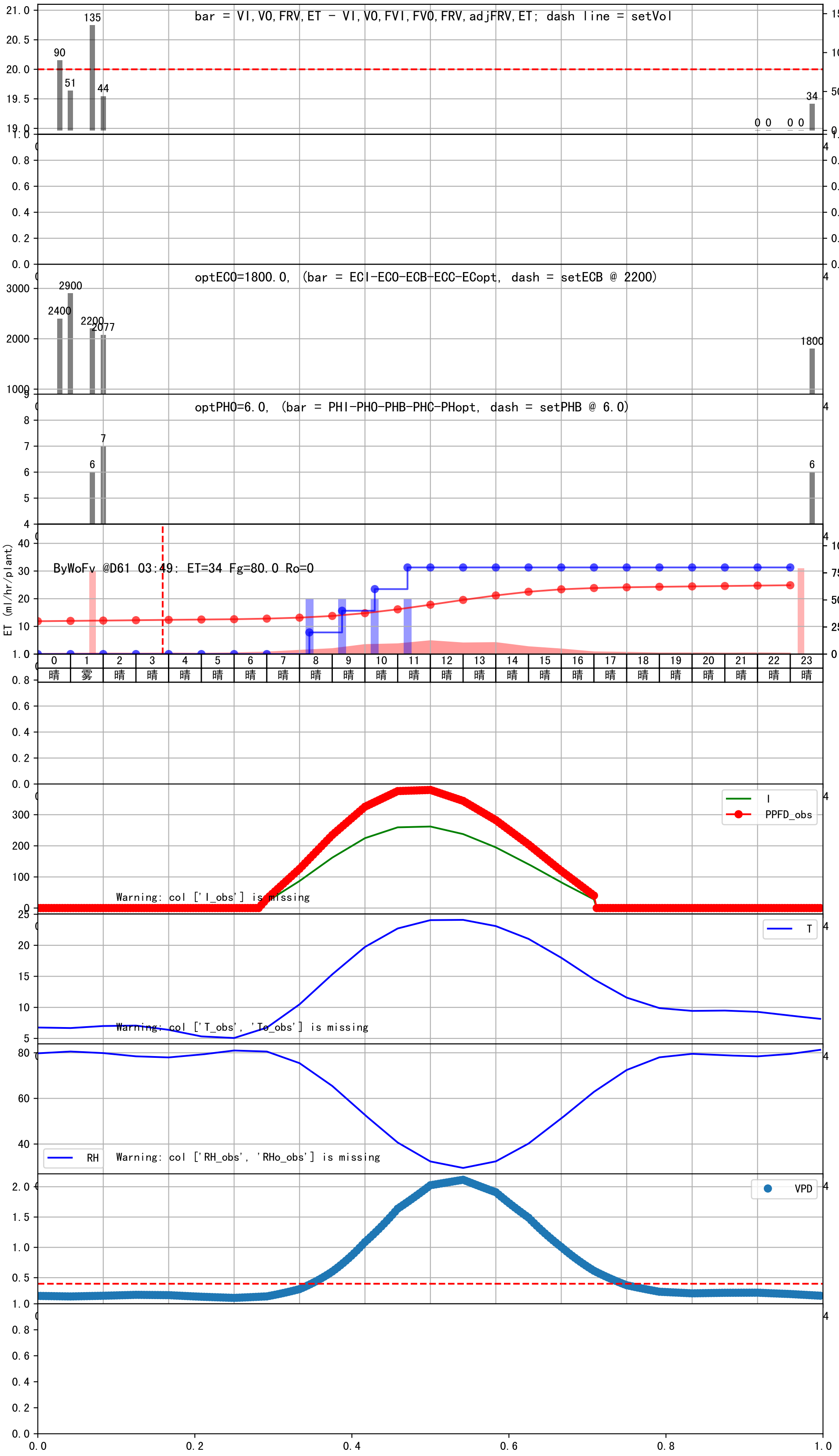


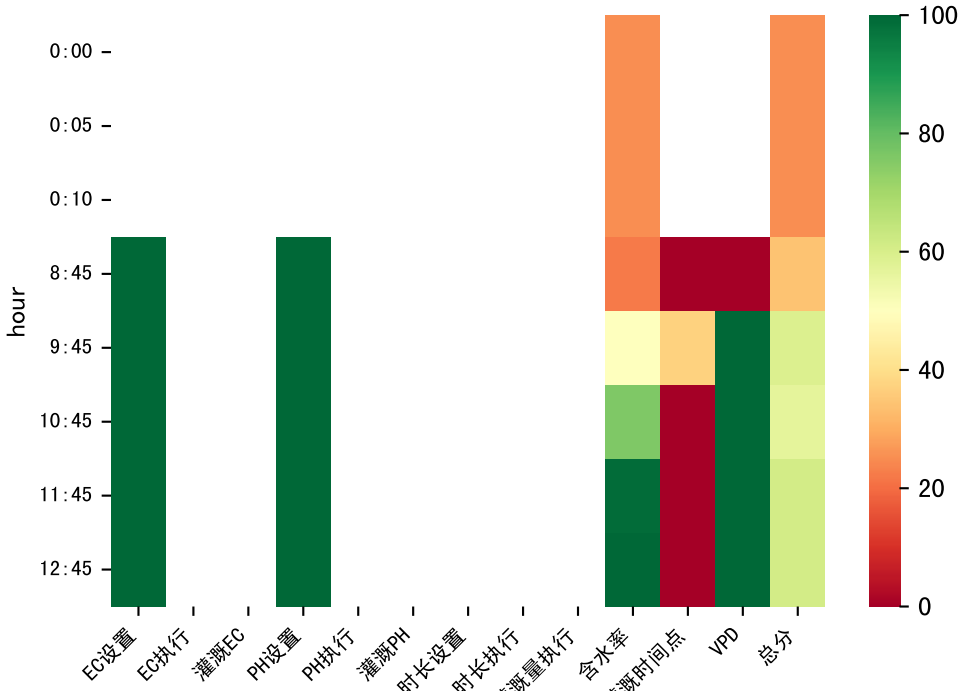



hour
0:00
0:05
0:10
8:20
9:20
10:20
11:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	47	20.0	0.081	晴	预期@08:20 自主（未用传感器）
09:20	47	20.0	0.081	晴	预期@09:20 自主（未用传感器）
10:20	47	20.0	0.081	晴	预期@10:20 自主（未用传感器）
11:20	47	20.0	0.081	晴	预期@11:20 自主（未用传感器）
总计	188.0 (4次)	80.0			建议进液EC：2200， PH：6.0

L1A4_4, Day=61 (2025-12-06)

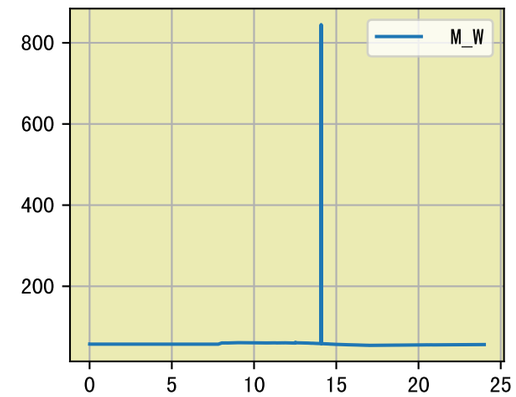


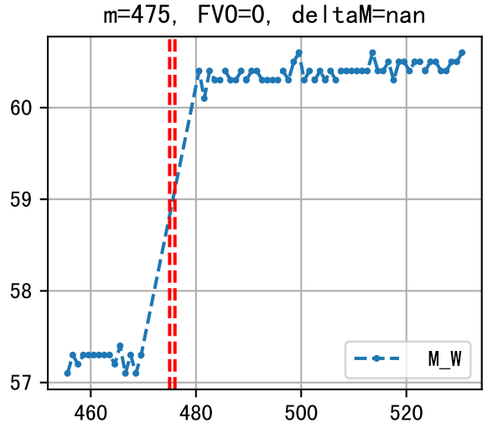

hour
0:00
0:05
0:10
8:45
9:45
10:45
11:45
12:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

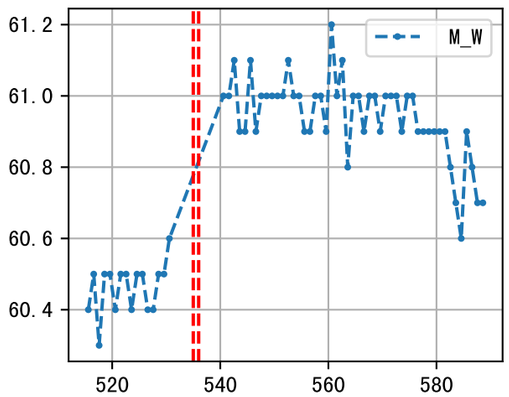
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:45	44	20.0	0.081	多云	假设@08:45 自动（未用传感器）
09:45	44	20.0	0.081	多云	假设@09:45 自动（未用传感器）
10:45	44	20.0	0.081	多云	假设@10:45 自动（未用传感器）
11:45	44	20.0	0.081	晴	假设@11:45 自动（未用传感器）
12:45	44	20.0	0.081	晴	假设@12:45 自动（未用传感器）
总计	220.0 (5次)	100.0			建议进液EC：2200， PH：6.0

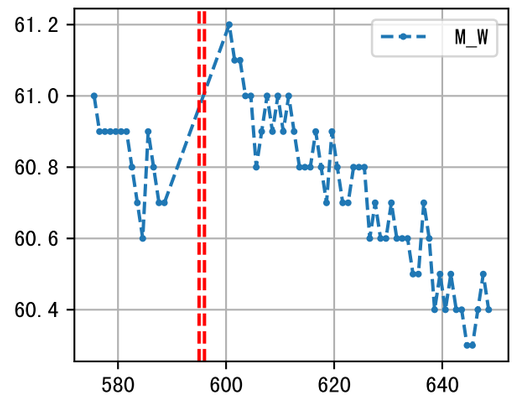
施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

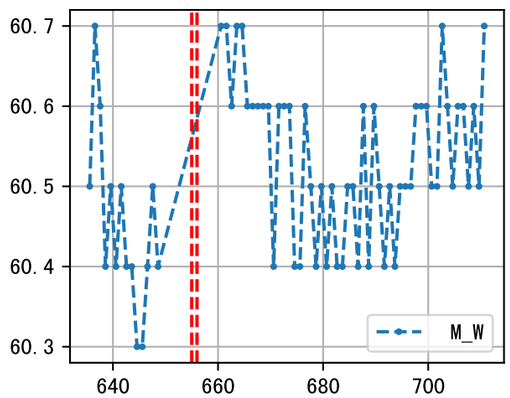
L1A4_4, Day=60 (2025-12-05)

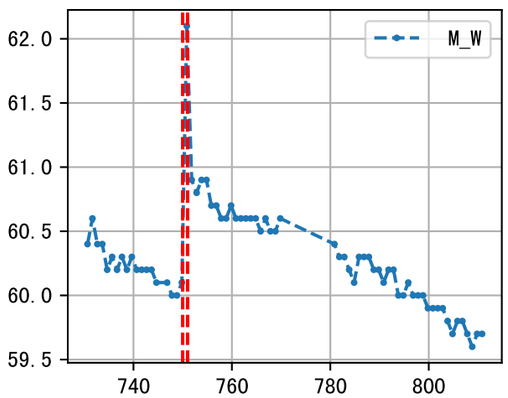

M_W
800
600
400
200
0
5
10
15
20
25

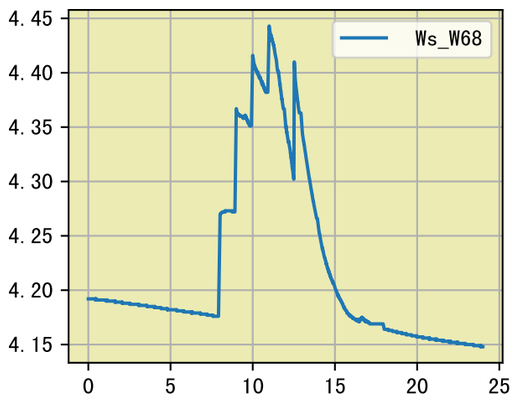

m=475, FV0=0, deltaM=nan
M_W
60
59
58
57
460
480
500
520

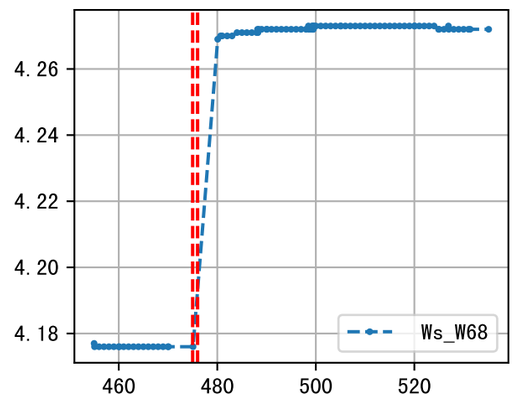

m=535, FV0=0, deltaM=nan
M_W
61.2
61.0
60.8
60.6
60.4
520
540
560
580
minute

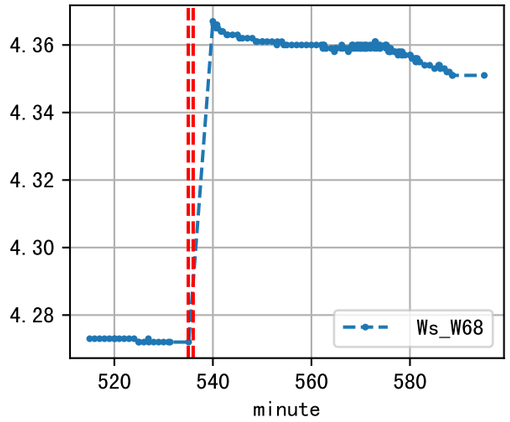

m=595, FV0=0, deltaM=nan
M_W
61.2
61.0
60.8
60.6
60.4
580
600
620
640
minute

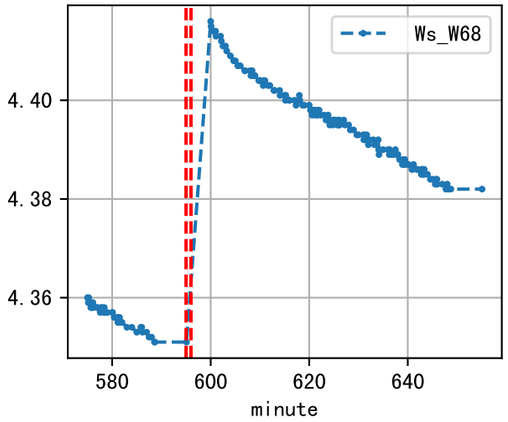

m=655, FV0=0, deltaM=nan
M_W
60.7
60.6
60.5
60.4
60.3
640
660
680
700
minute

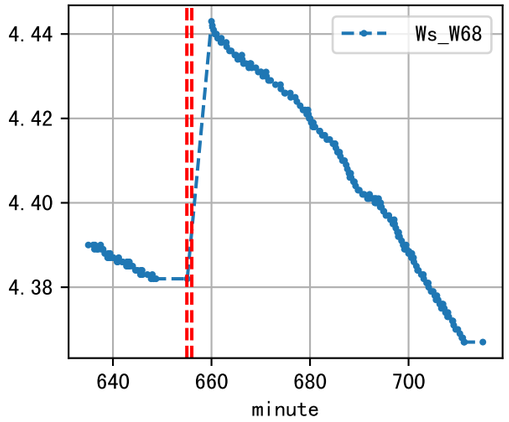

m=750, FV0=0, deltaM=-1.5
M_W
62.0
61.5
61.0
60.5
60.0
59.5
740
760
780
800
minute

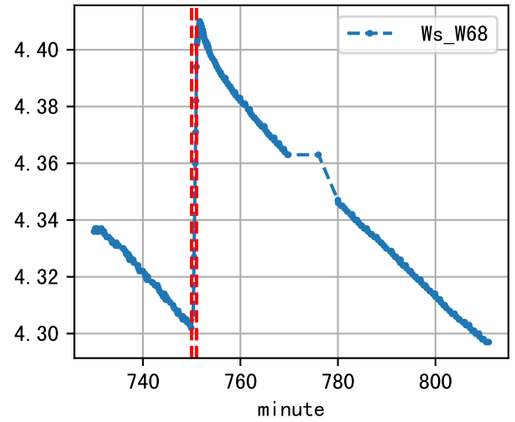

m=475, FV0=0, deltaM=0.09
Ws_W68
4.45
4.40
4.35
4.30
4.25
4.20
4.15
0
5
10
15
20
25
minute

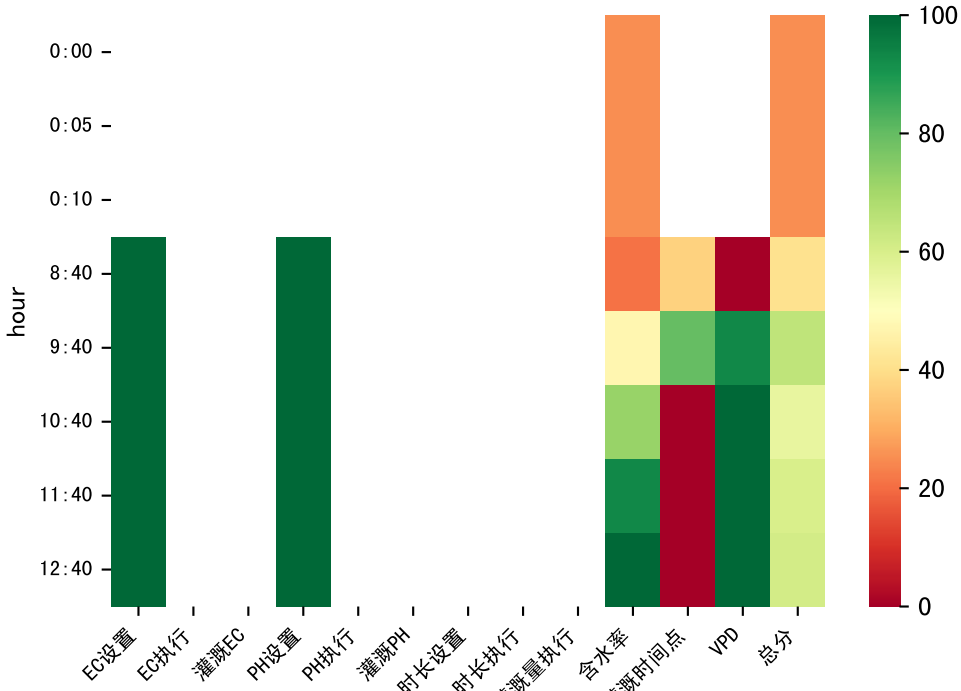

m=535, FV0=0, deltaM=0.09
Ws_W68
4.26
4.24
4.22
4.20
4.18
460
480
500
520
minute


m=595, FV0=0, deltaM=0.06
Ws_W68
4.36
4.34
4.32
4.30
4.28
520
540
560
580
minute


m=655, FV0=0, deltaM=0.05
Ws_W68
4.40
4.38
4.36
580
600
620
640
minute


m=750, FV0=0, deltaM=0.07
Ws_W68
4.44
4.42
4.40
4.38
640
660
680
700
minute

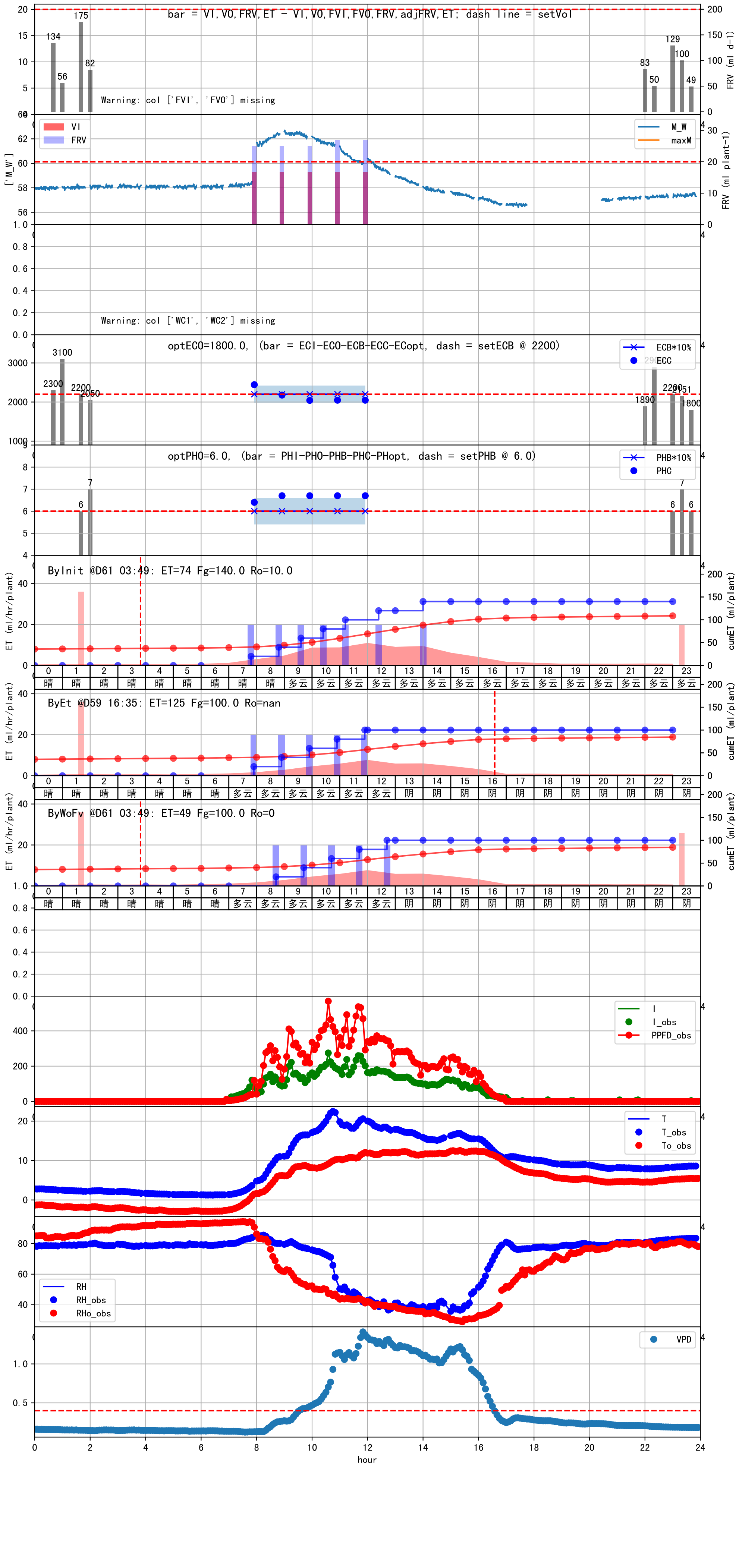

Ws_W68
4.40
4.38
4.36
4.34
4.32
4.30
740
760
780
800
minute

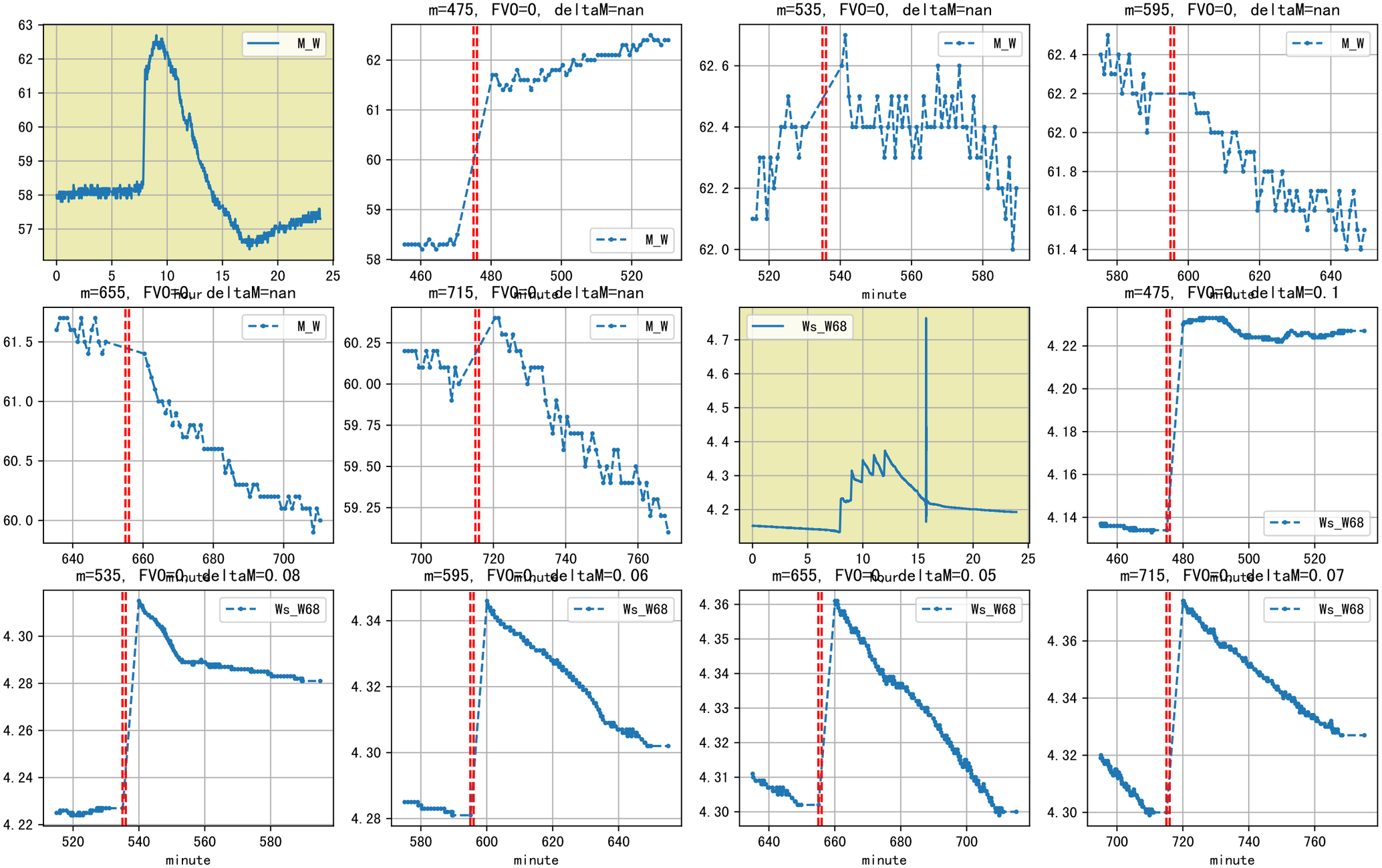

hour
0:00
0:05
0:10
8:40
9:40
10:40
11:40
12:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

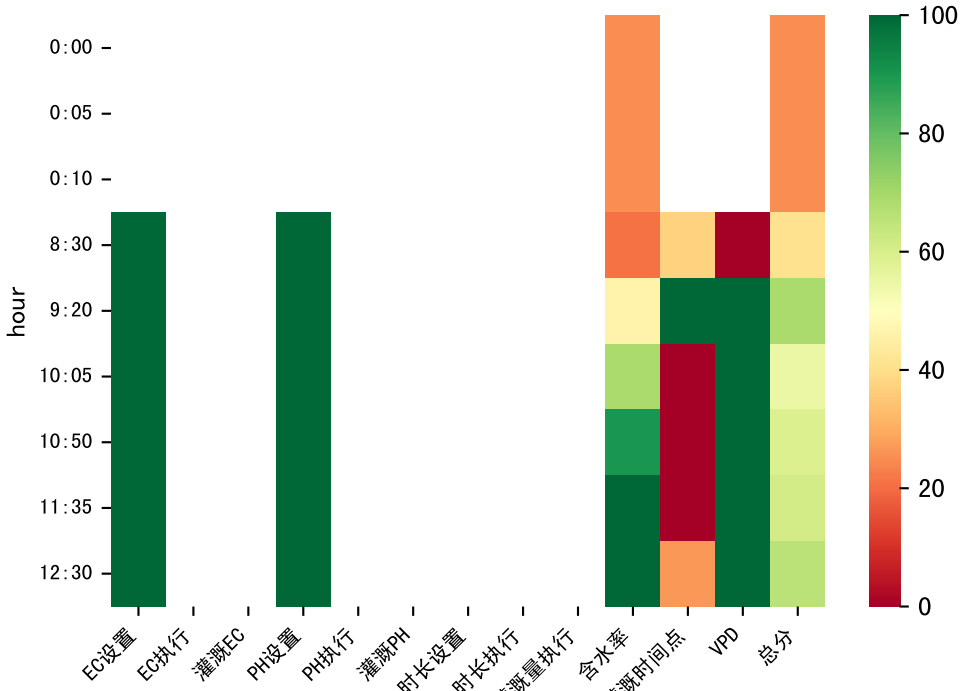
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:40	44	20.0	0.081	多云	假设@08:40 自动（未用传感器）
09:40	44	20.0	0.081	多云	假设@09:40 自动（未用传感器）
10:40	44	20.0	0.081	多云	假设@10:40 自动（未用传感器）
11:40	44	20.0	0.081	多云	假设@11:40 自动（未用传感器）
12:40	44	20.0	0.081	多云	假设@12:40 自动（未用传感器）
总计	220.0 (5次)	100.0			建议进液EC：2200， PH：6.0

施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

L1A4_4, Day=59 (2025-12-04)



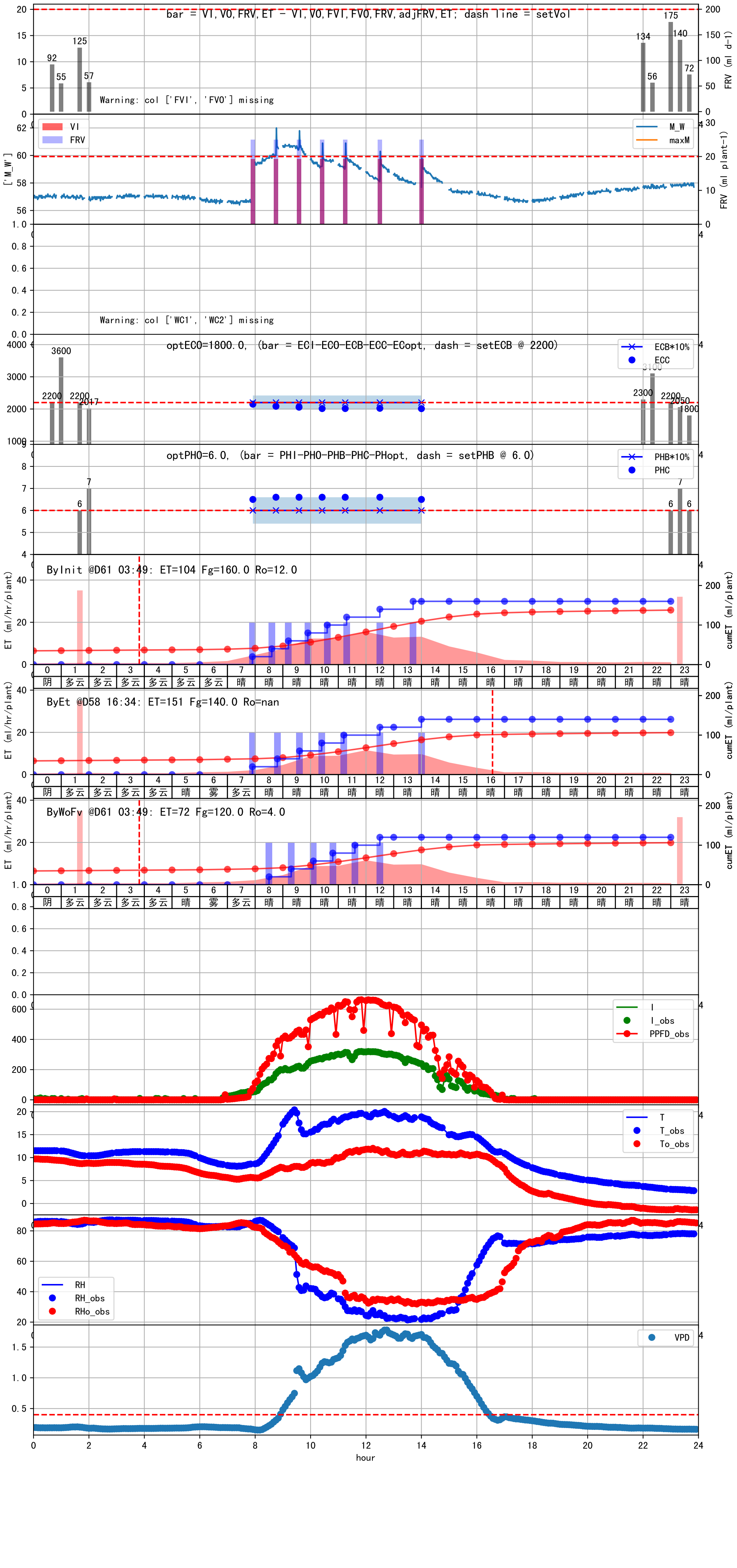

m=475, FVO=0, deltaM=nan
m=535, FVO=0, deltaM=nan
m=595, FVO=0, deltaM=nan
m=655, FVO=0, deltaM=nan
m=715, FVO=0, deltaM=nan
m=475, FVO=0, deltaM=0.1
m=535, FVO=0, deltaM=0.08
m=595, FVO=0, deltaM=0.06
m=655, FVO=0, deltaM=0.05
m=715, FVO=0, deltaM=0.07
M_W
Ws_W68
minute

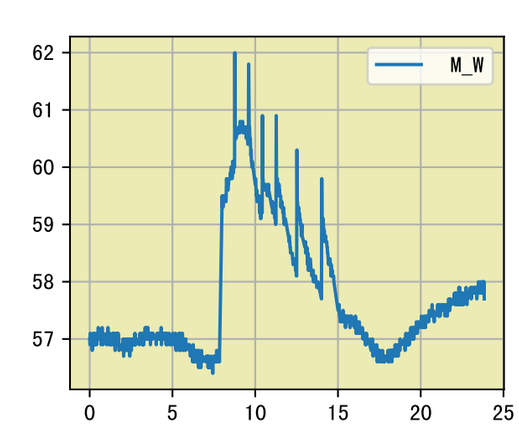

hour
0:00
0:05
0:10
8:30
9:20
10:05
10:50
11:35
12:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

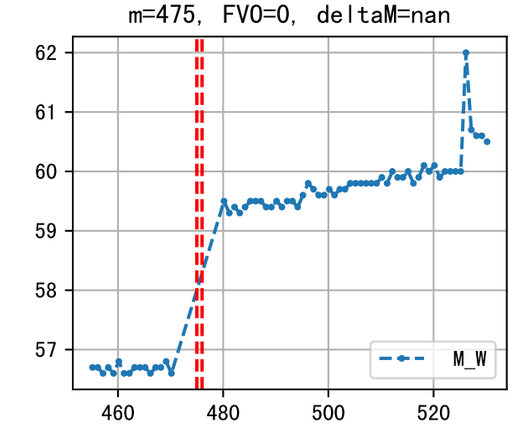
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:30	43	20.0	0.081	晴	假设@08:30 自动（未用传感器）
09:20	43	20.0	0.081	晴	假设@09:20 自动（未用传感器）
10:05	43	20.0	0.081	晴	假设@10:05 自动（未用传感器）
10:50	43	20.0	0.081	晴	假设@10:50 自动（未用传感器）
11:35	43	20.0	0.081	晴	假设@11:35 自动（未用传感器）
12:30	43	20.0	0.081	晴	假设@12:30 自动（未用传感器）
总计	258.0 (6次)	120.0			建议进液EC：2200， PH：6.0

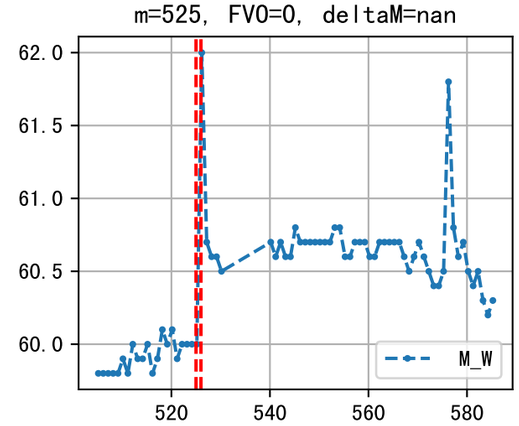
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

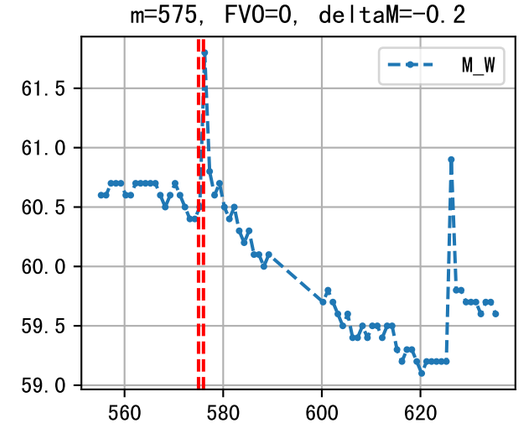
L1A4_4, Day=58 (2025-12-03)

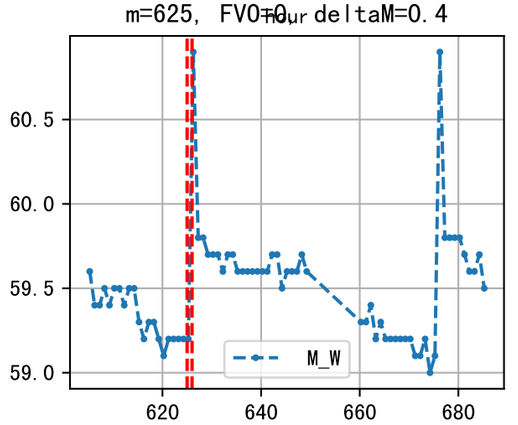


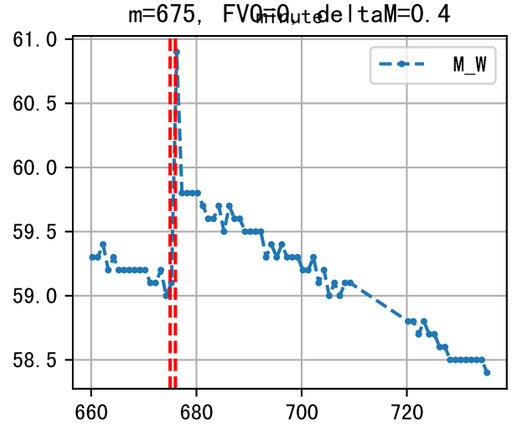

M_W

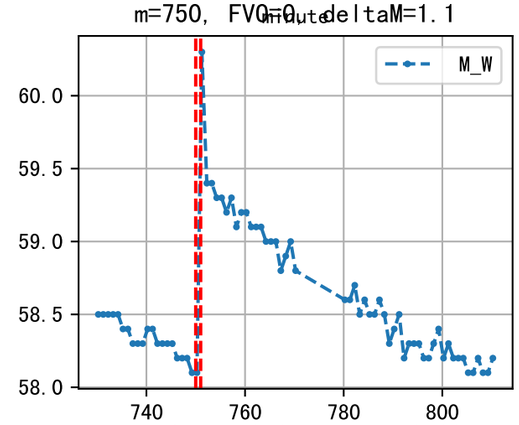

m=475, FV0=0, deltaM=nan
M_W

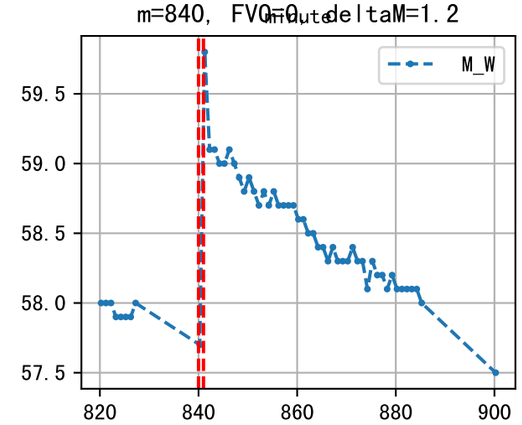

m=525, FV0=0, deltaM=nan
M_W

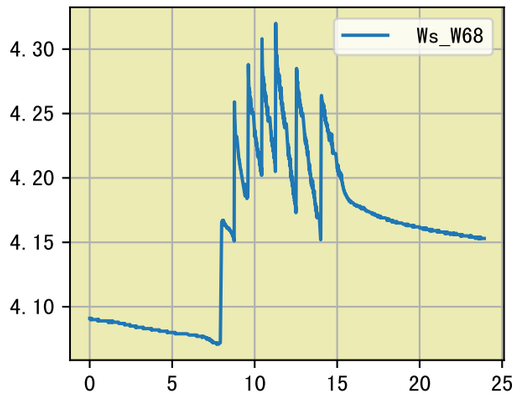

m=575, FV0=0, deltaM=-0.2
M_W

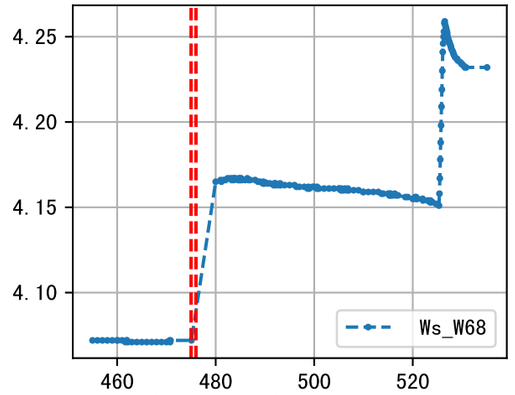

m=625, FV0=0, deltaM=0.4
M_W
minute

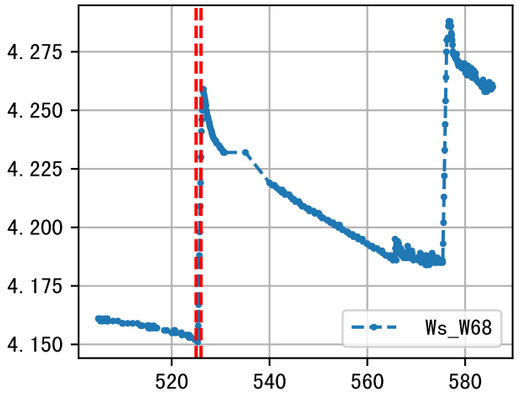

m=675, FV0=0, deltaM=0.4
M_W
m=475, FV0=0, deltaM=0.09

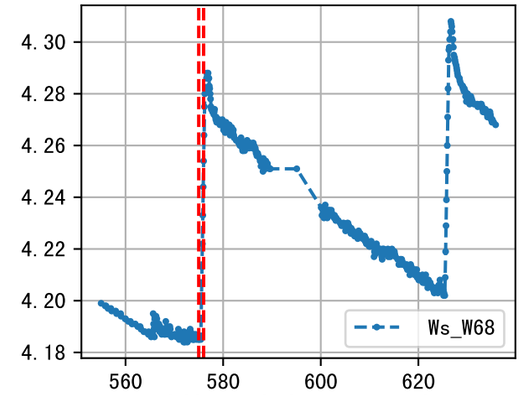

m=750, FV0=0, deltaM=1.1
M_W
m=525, FV0=0, deltaM=0.08

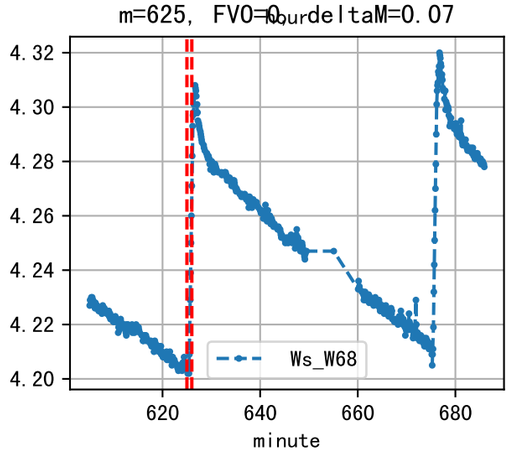

m=840, FV0=0, deltaM=1.2
M_W
m=575, FV0=0, deltaM=0.08

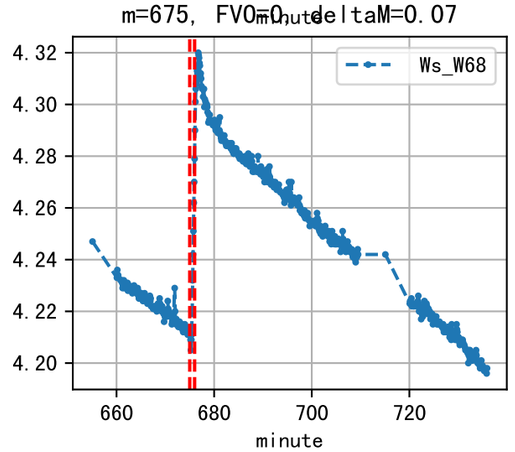

Ws_W68

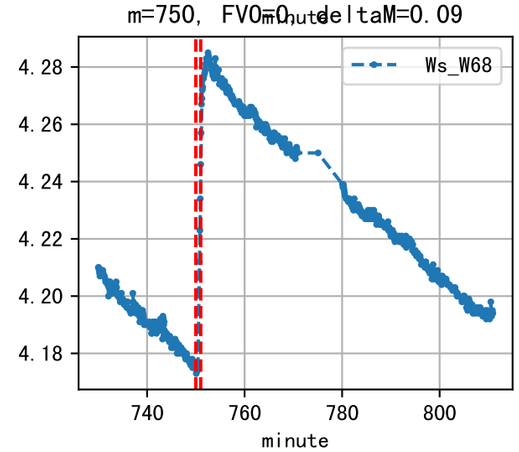

Ws_W68

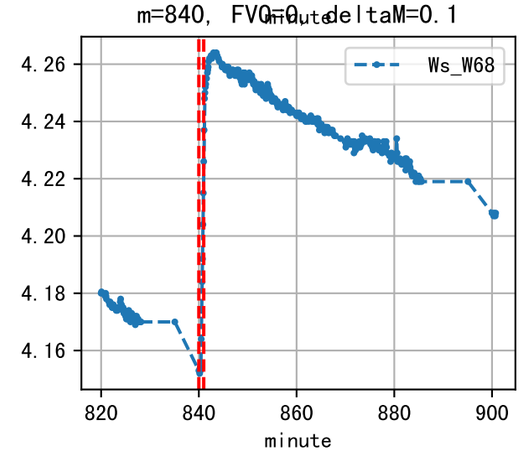

Ws_W68

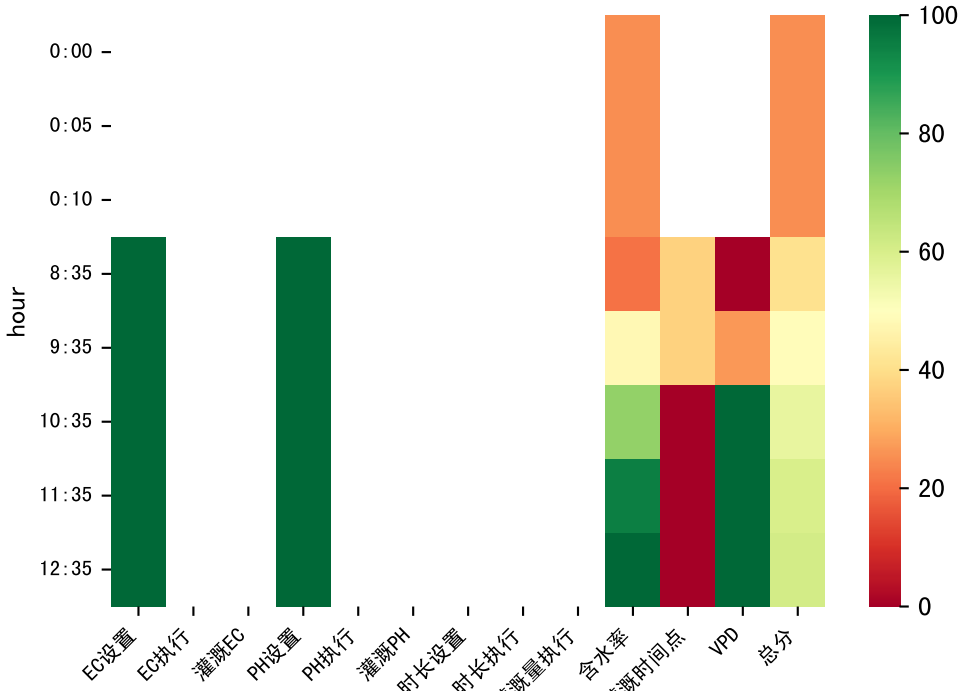

Ws_W68


m=625, FV0=0, deltaM=0.07
Ws_W68
minute


m=675, FV0=0, deltaM=0.07
Ws_W68
minute


m=750, FV0=0, deltaM=0.09
Ws_W68
minute

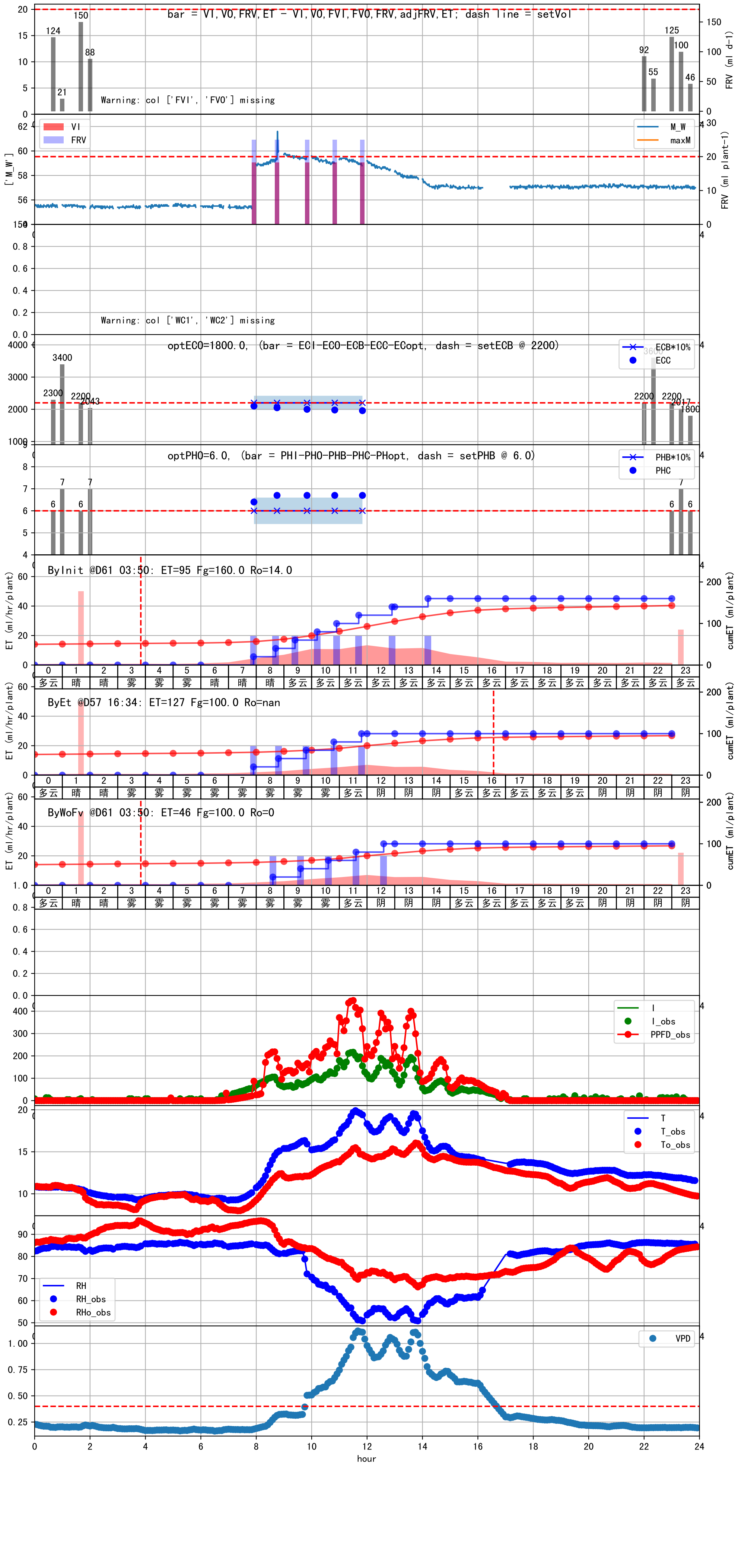

m=840, FV0=0, deltaM=0.1
Ws_W68
minute

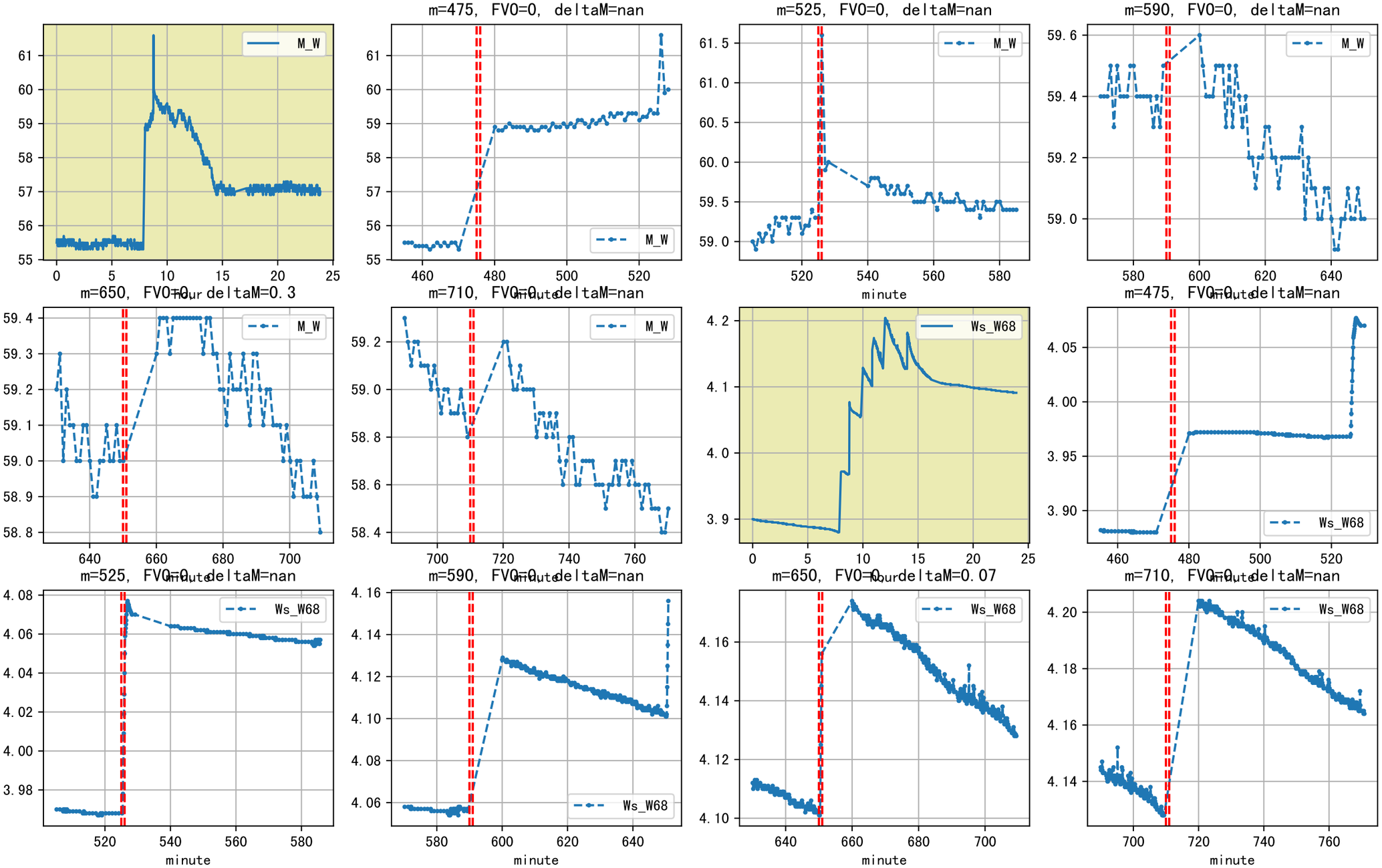

hour
0:00
0:05
0:10
8:35
9:35
10:35
11:35
12:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:35	43	20.0	0.081	雾	假设@08:35 自动（未用传感器）
09:35	43	20.0	0.081	雾	假设@09:35 自动（未用传感器）
10:35	43	20.0	0.081	雾	假设@10:35 自动（未用传感器）
11:35	43	20.0	0.081	多云	假设@11:35 自动（未用传感器）
12:35	43	20.0	0.081	阴	假设@12:35 自动（未用传感器）
总计	215.0 (5次)	100.0			建议进液EC：2200， PH：6.0

施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

L1A4_4, Day=57 (2025-12-02)




m=475, FV0=0, deltaM=nan
m=525, FV0=0, deltaM=nan
m=590, FV0=0, deltaM=nan
m=650, FV0=0, deltaM=0.3
m=710, FV0=0, deltaM=nan
m=475, FV0=0, deltaM=nan
m=525, FV0=0, deltaM=nan
m=590, FV0=0, deltaM=nan
m=650, FV0=0, deltaM=0.07
m=710, FV0=0, deltaM=nan
M_W
Ws_W68
minute