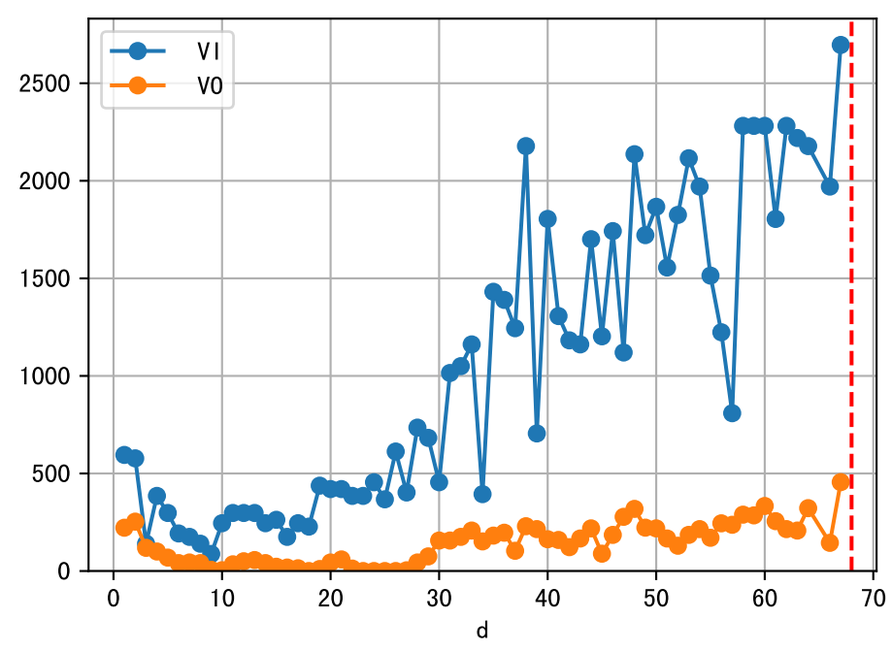
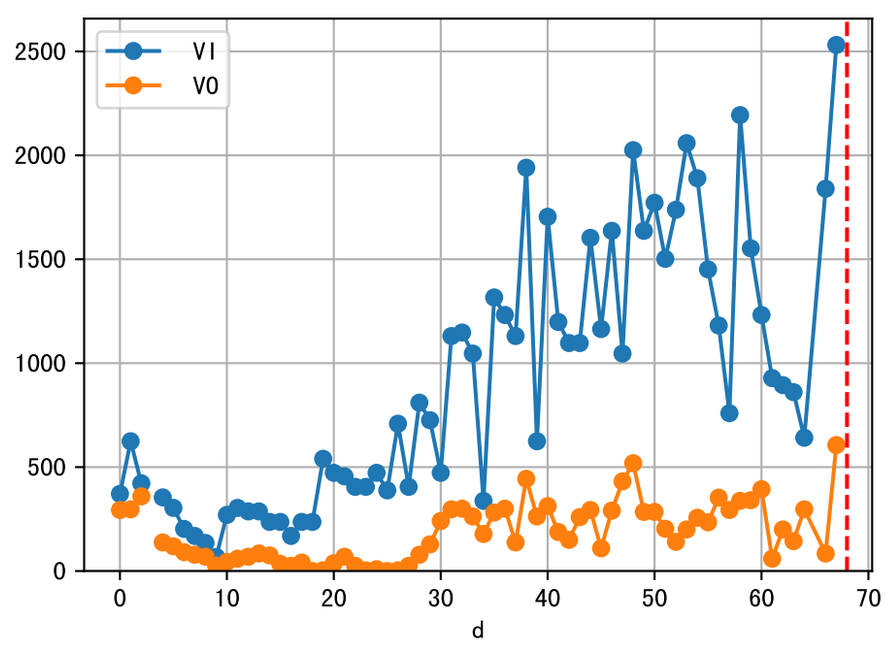
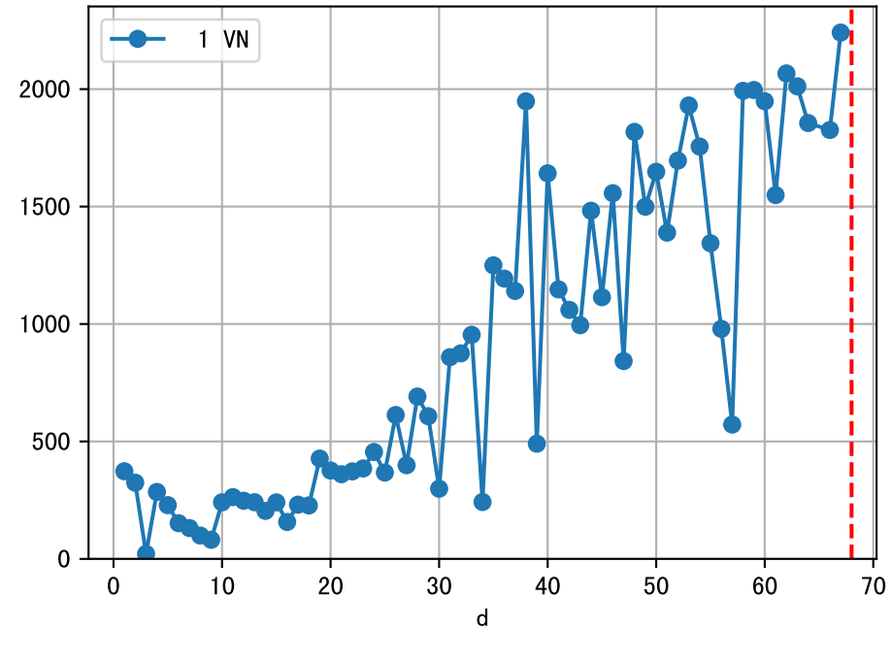
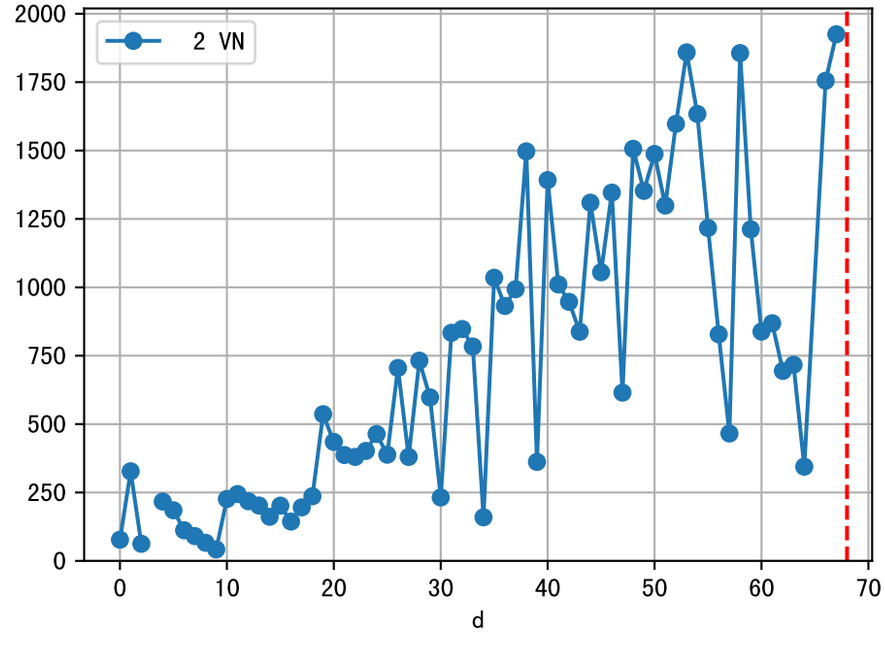
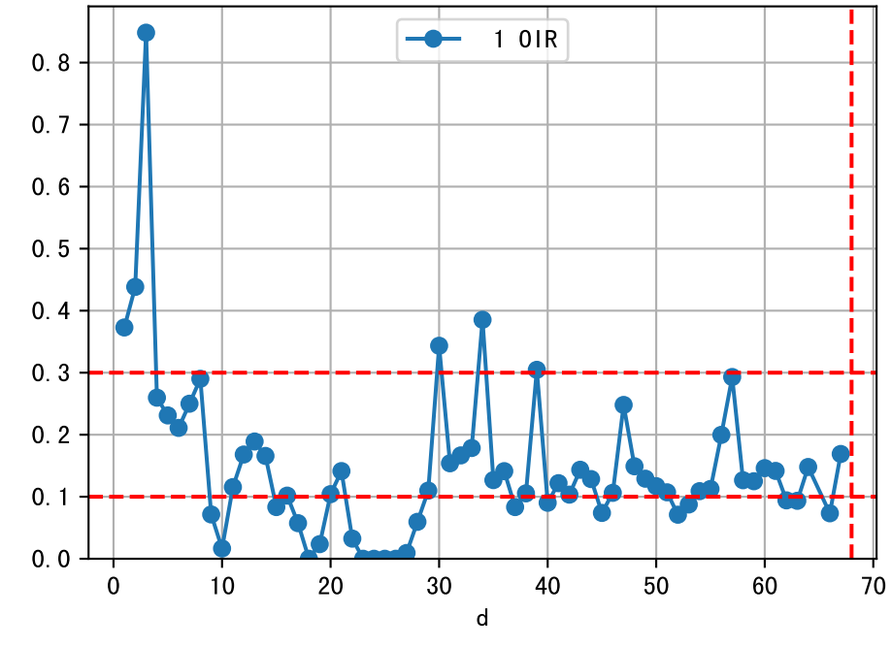
FgArea: ['0']
NC11 P3
2025-06-12 (Day 68)

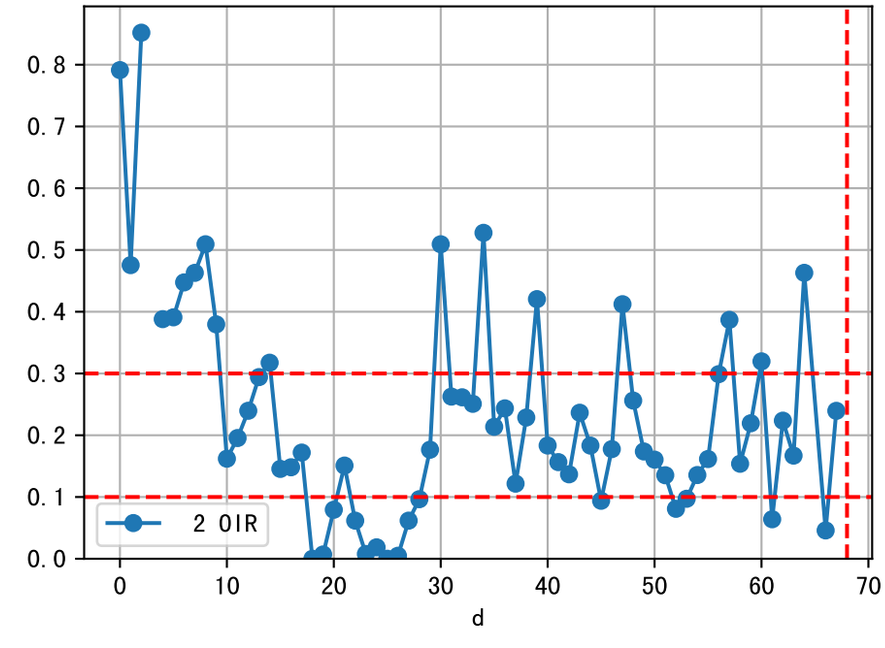

VI
VO
d

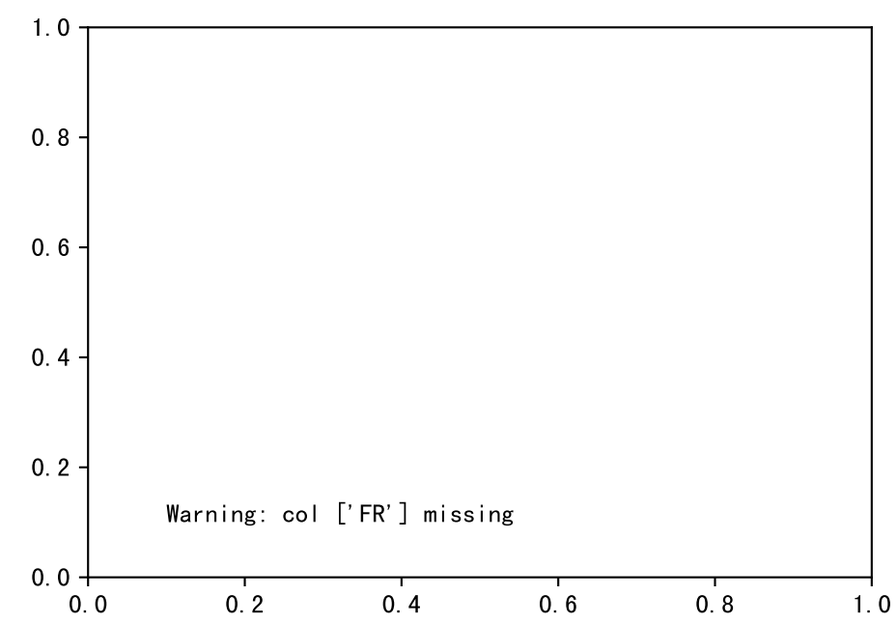

VI
VO
d

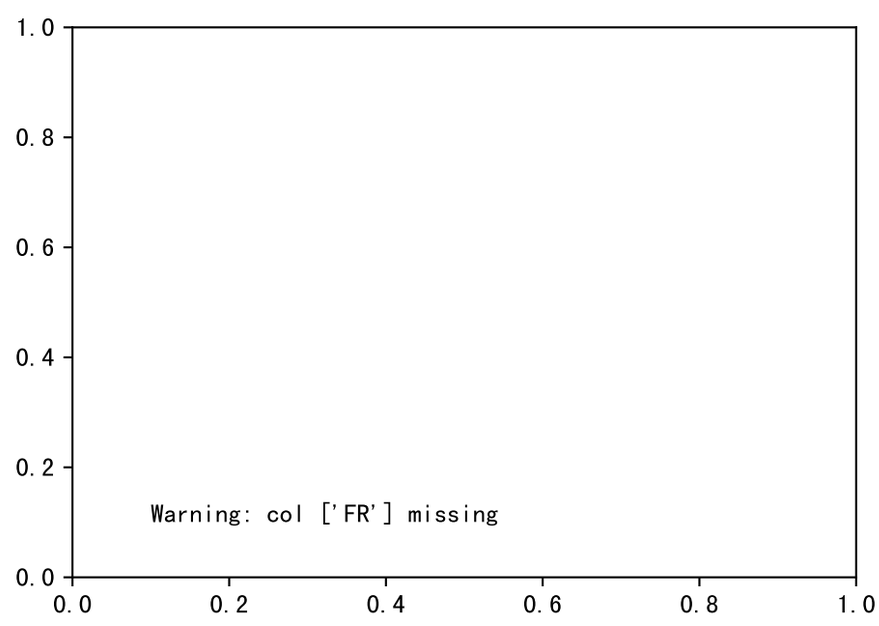

1 VN
d

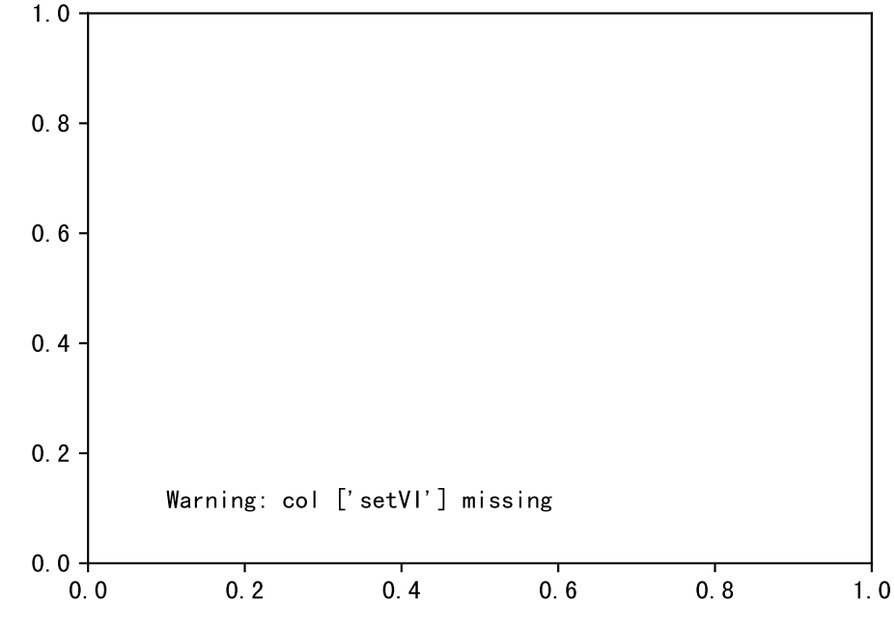

2 VN
d

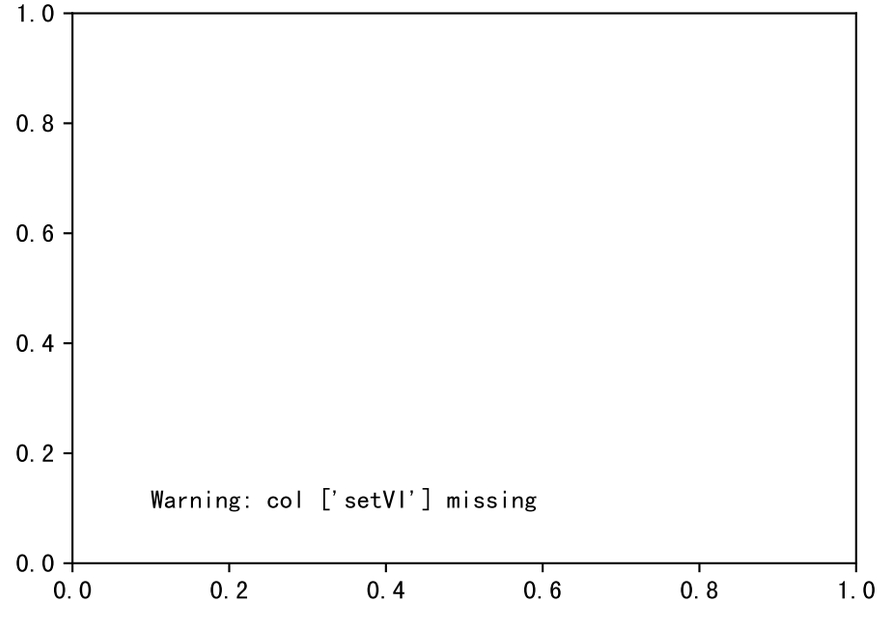

1 OIR
d

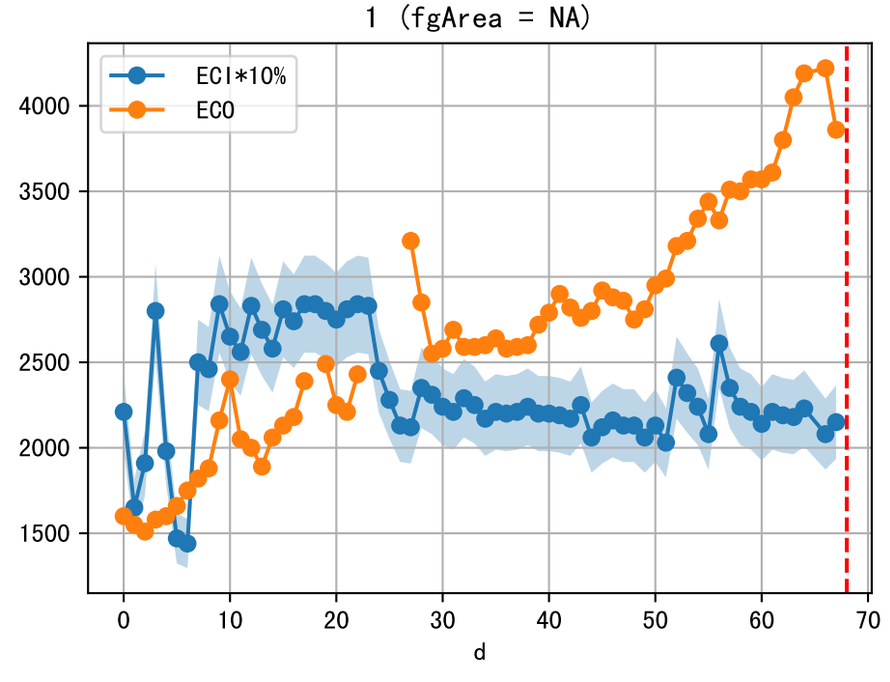

2 OIR
d

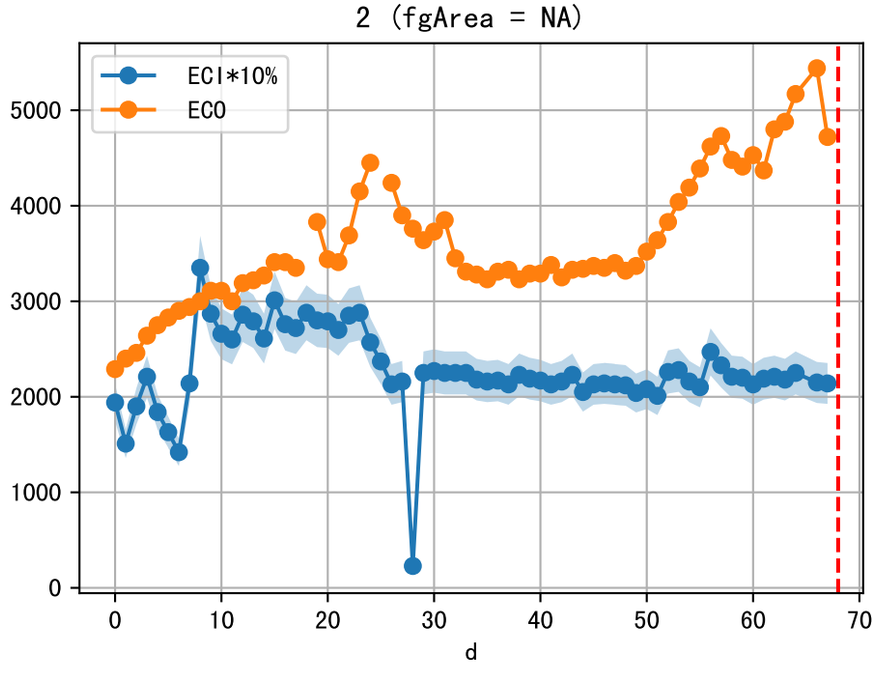

Warning: col ['FR'] missing

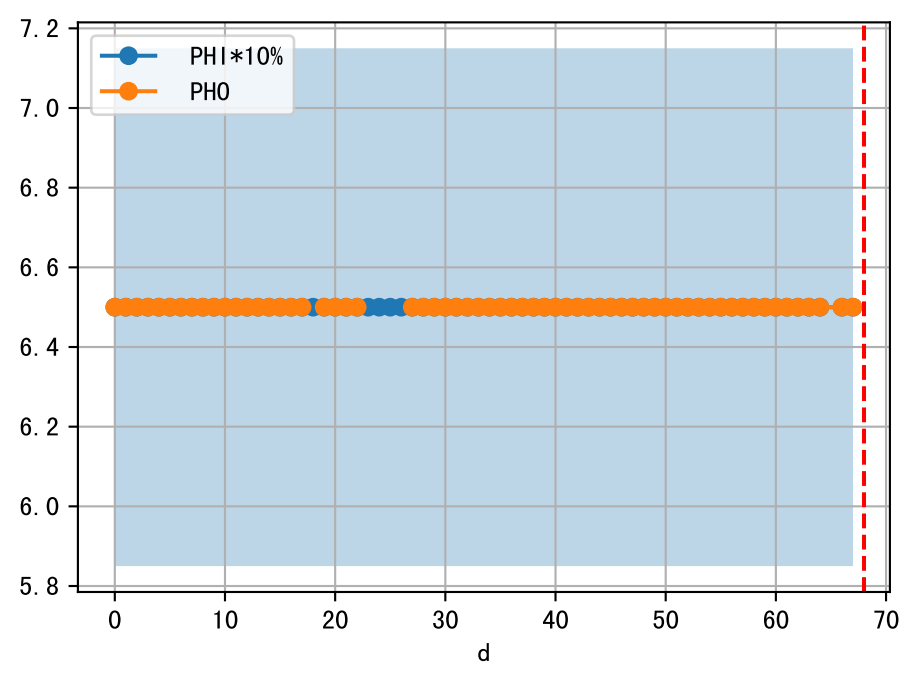

Warning: col ['FR'] missing

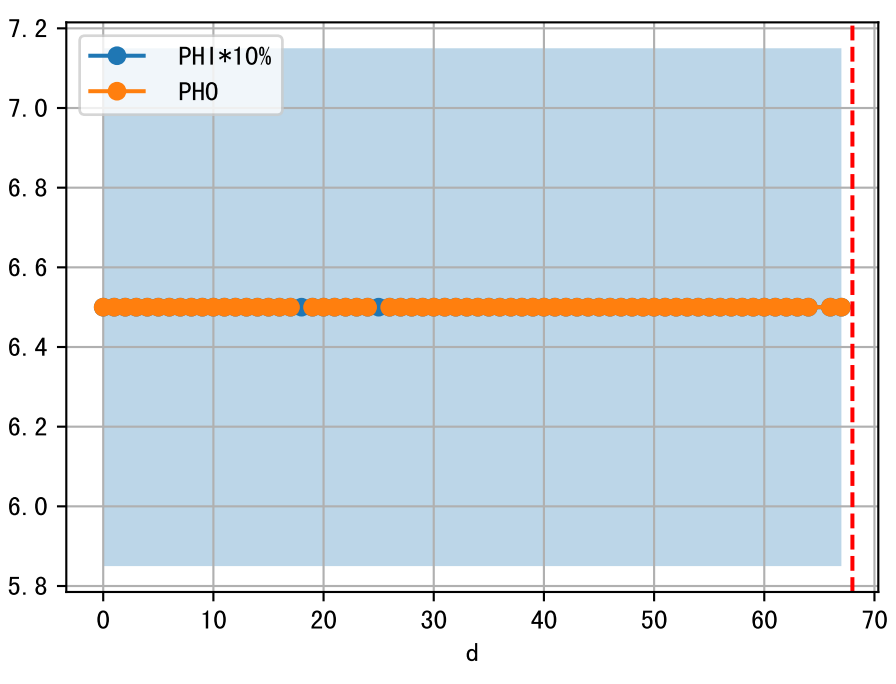

Warning: col ['setVI'] missing

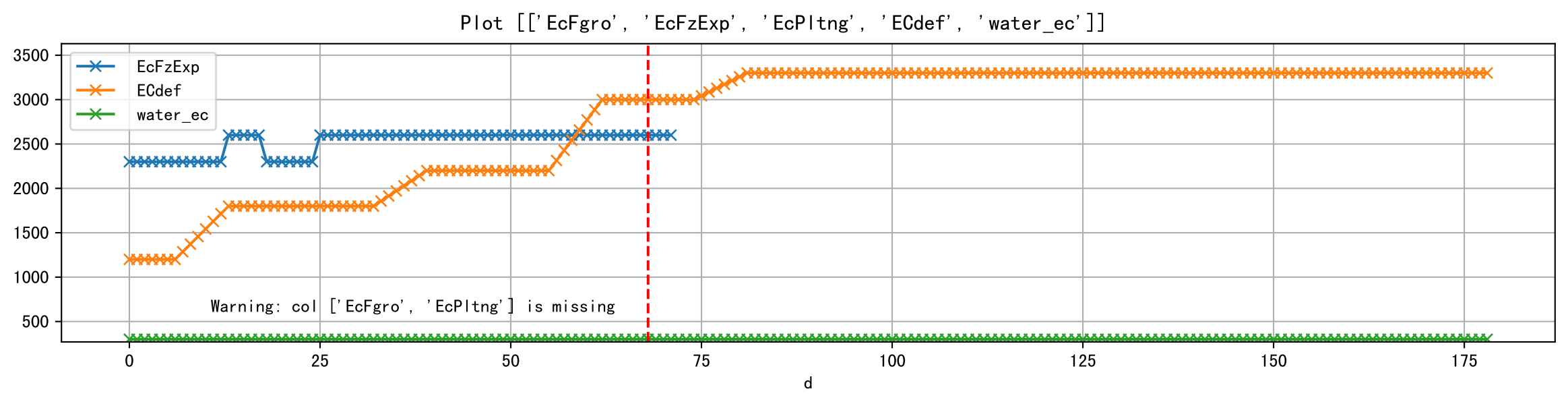

Warning: col ['setVI'] missing

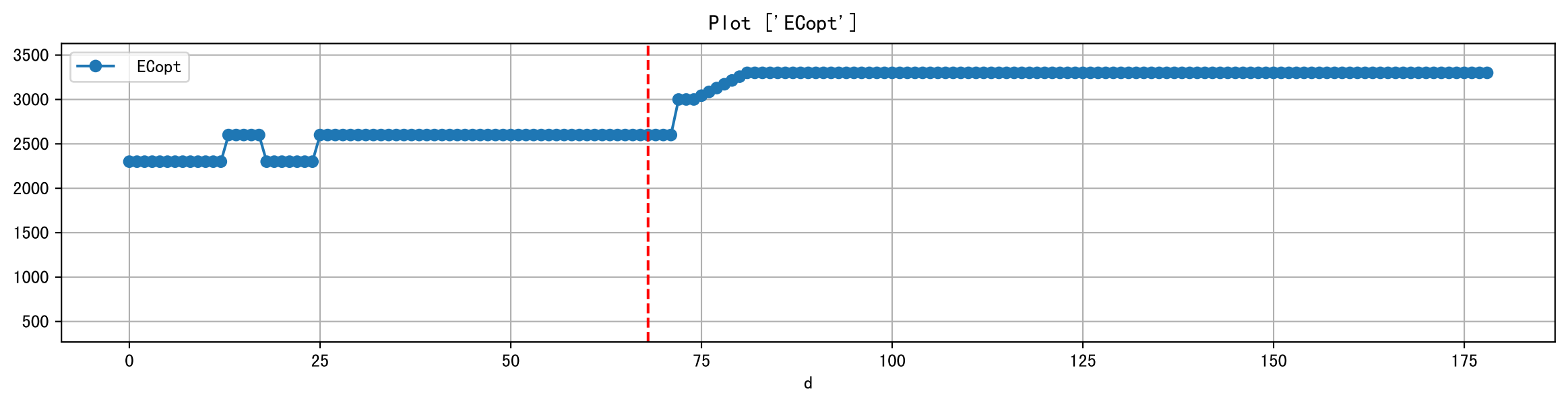

1 (fgArea = NA)
ECI*10%
EC0
d


2 (fgArea = NA)
ECI*10%
EC0
d

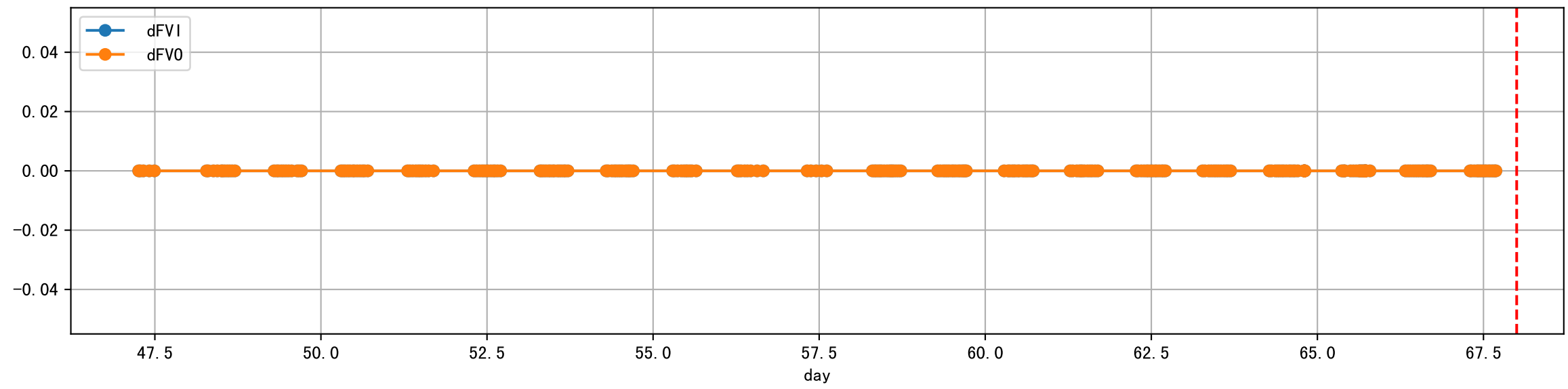

PHI*10%
PH0
7.2
7.0
6.8
6.6
6.4
6.2
6.0
5.8
0
10
20
30
40
50
60
70
d

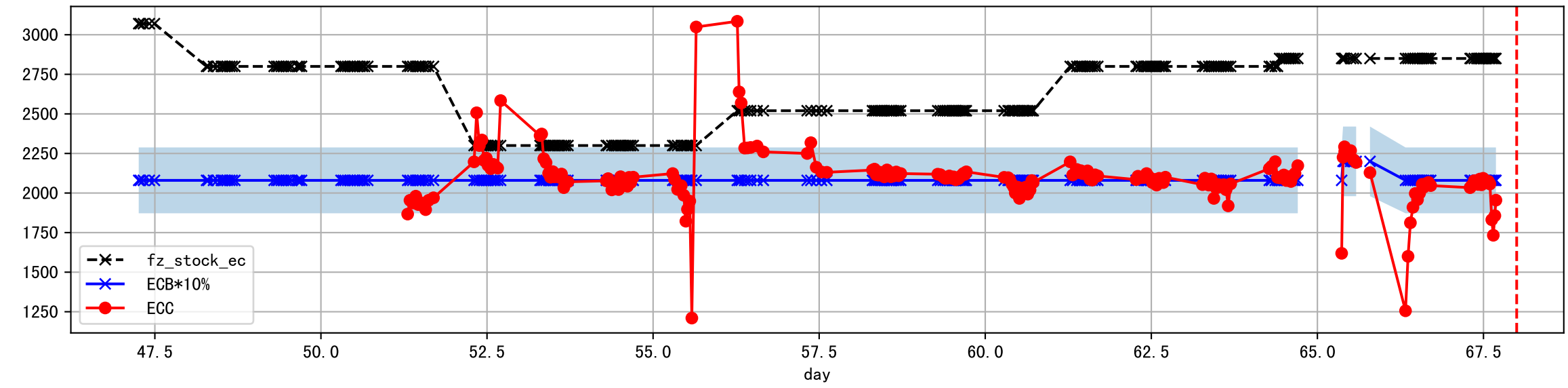

PHI*10%
PH0
7.2
7.0
6.8
6.6
6.4
6.2
6.0
5.8
0
10
20
30
40
50
60
70
d

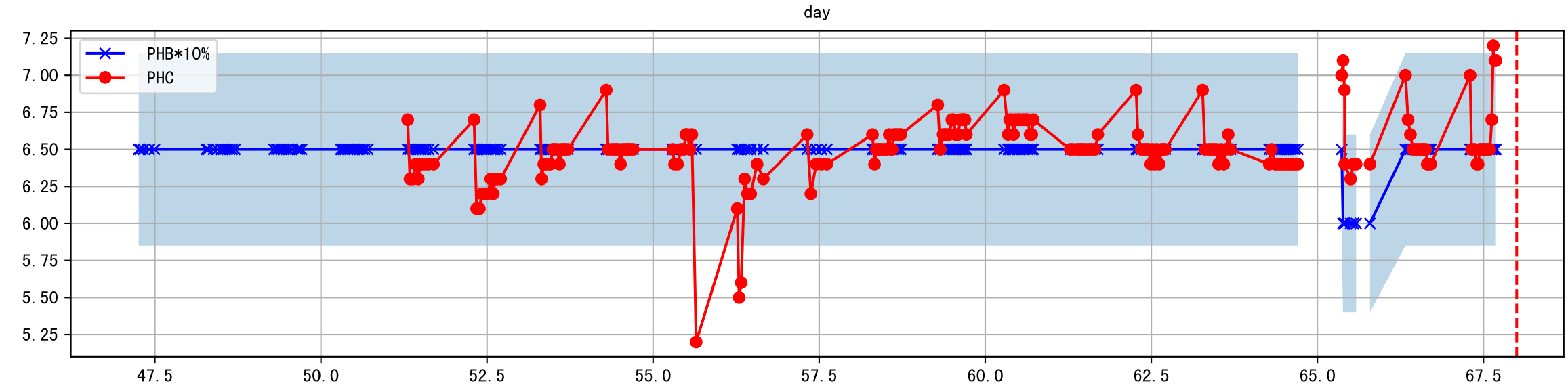

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'water_ec']]
EcFzExp
ECdef
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

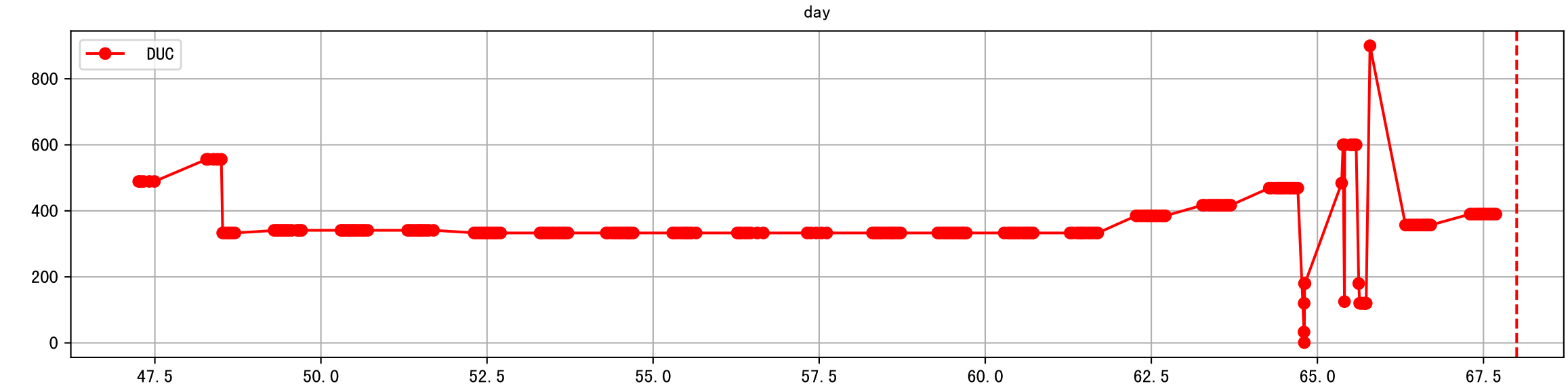

Plot ['ECopt']
ECopt
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

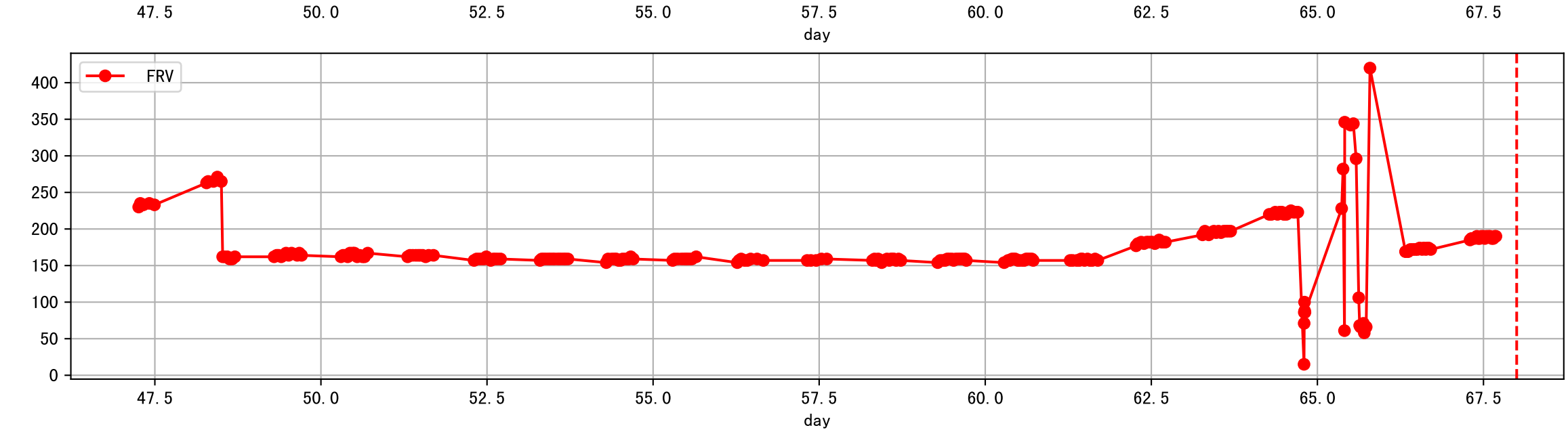
Plot Sensor and FgRec Data

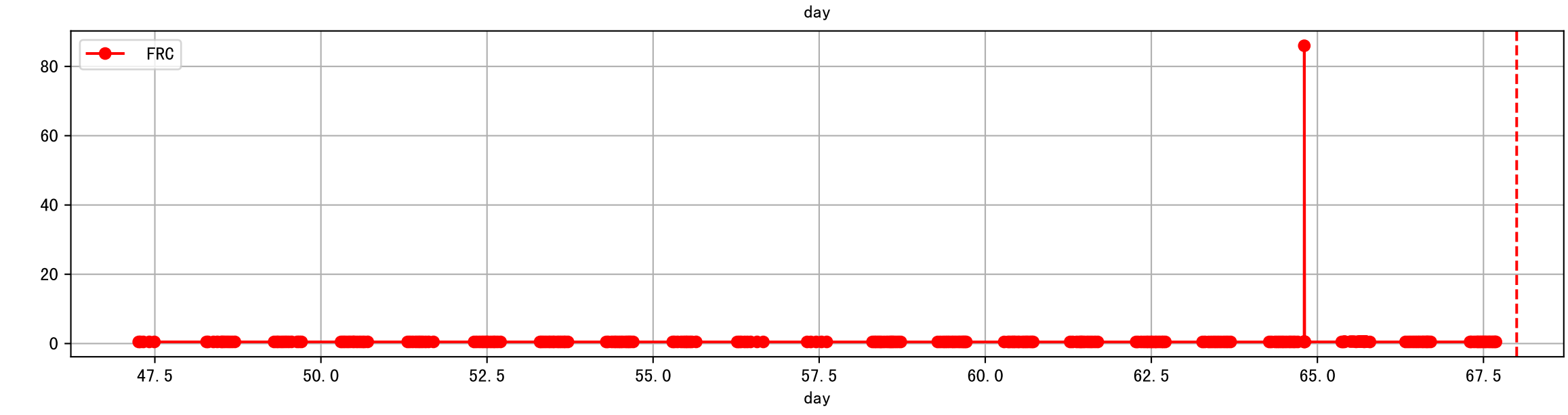


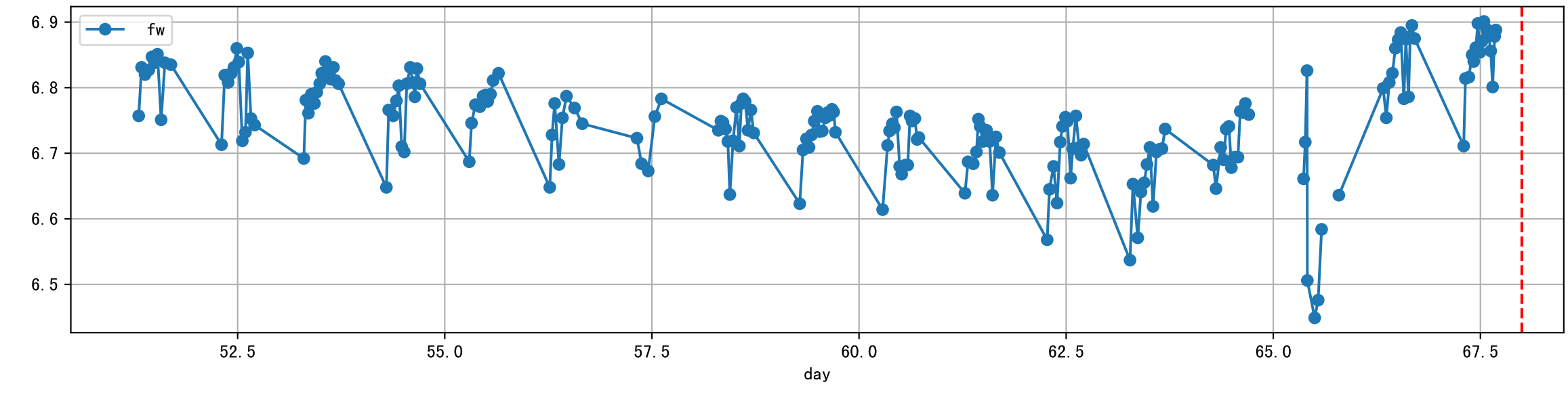




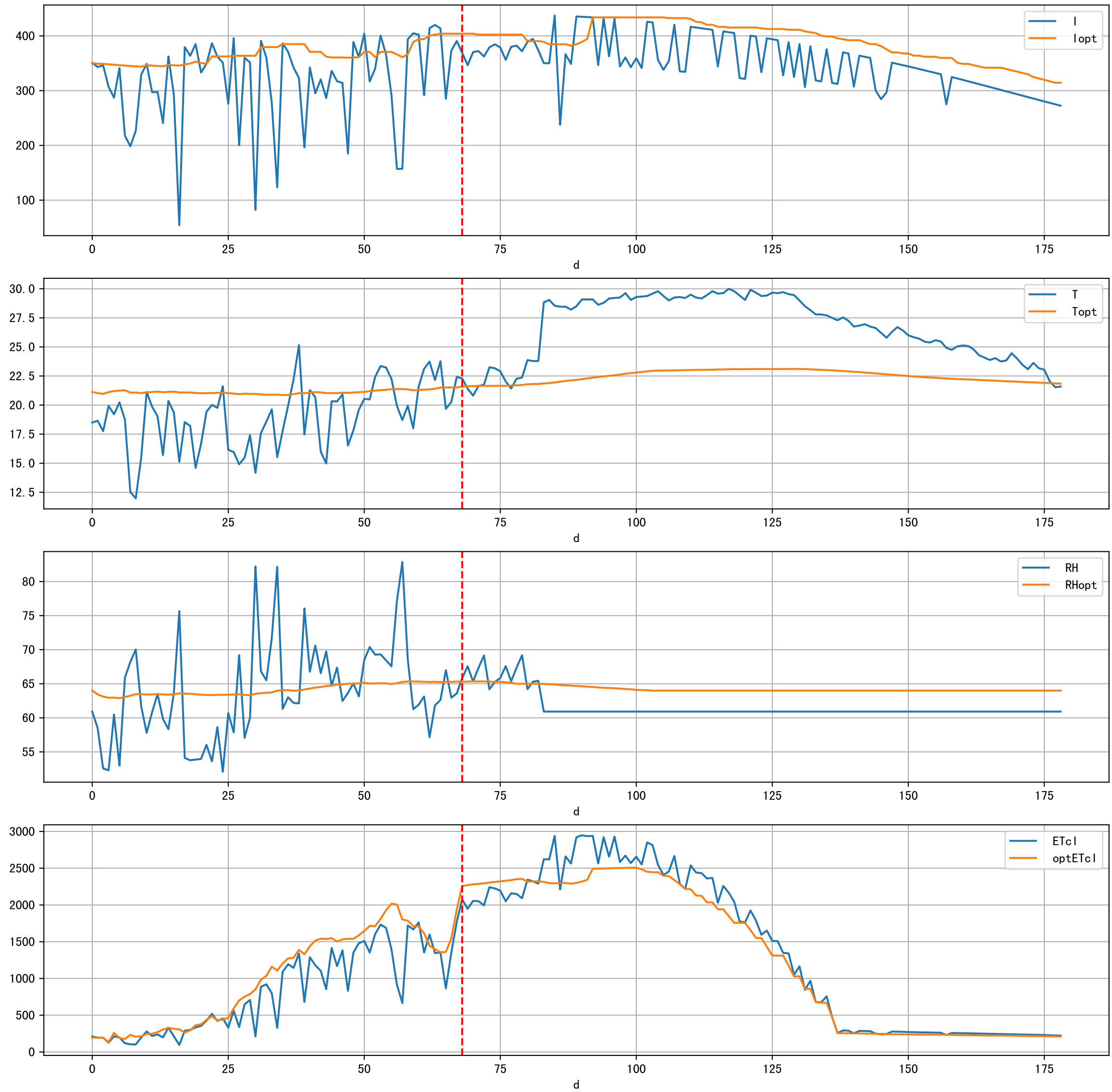


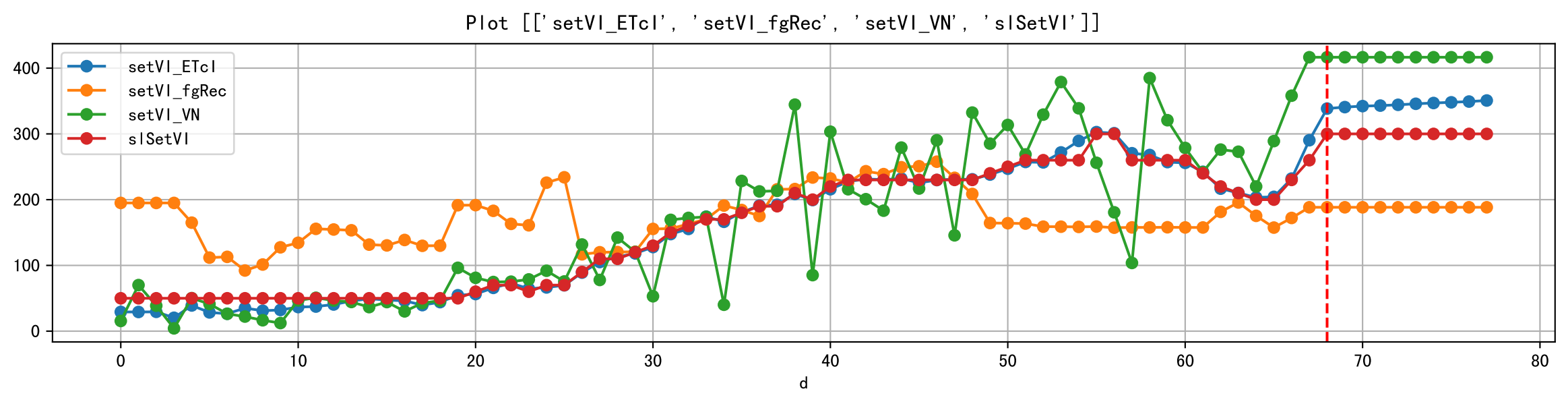


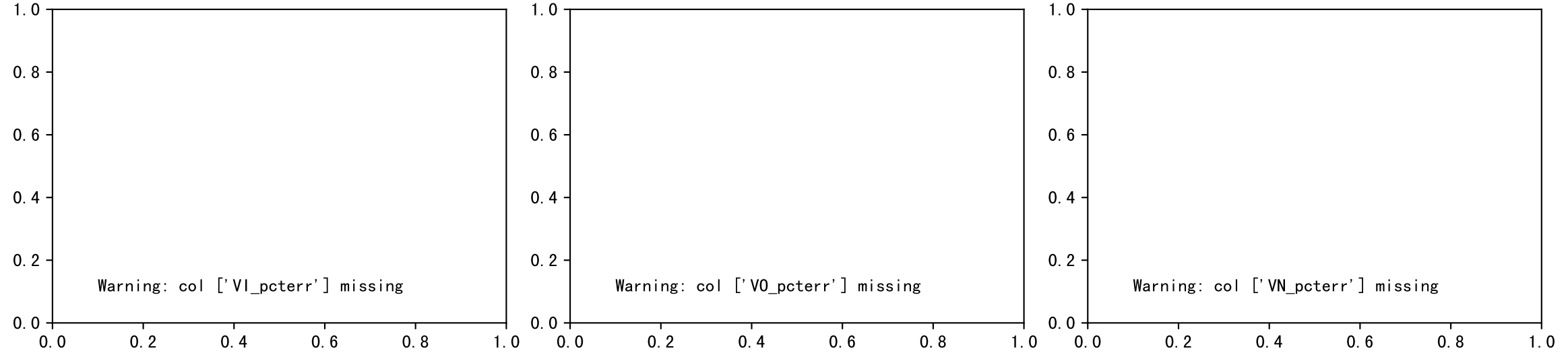


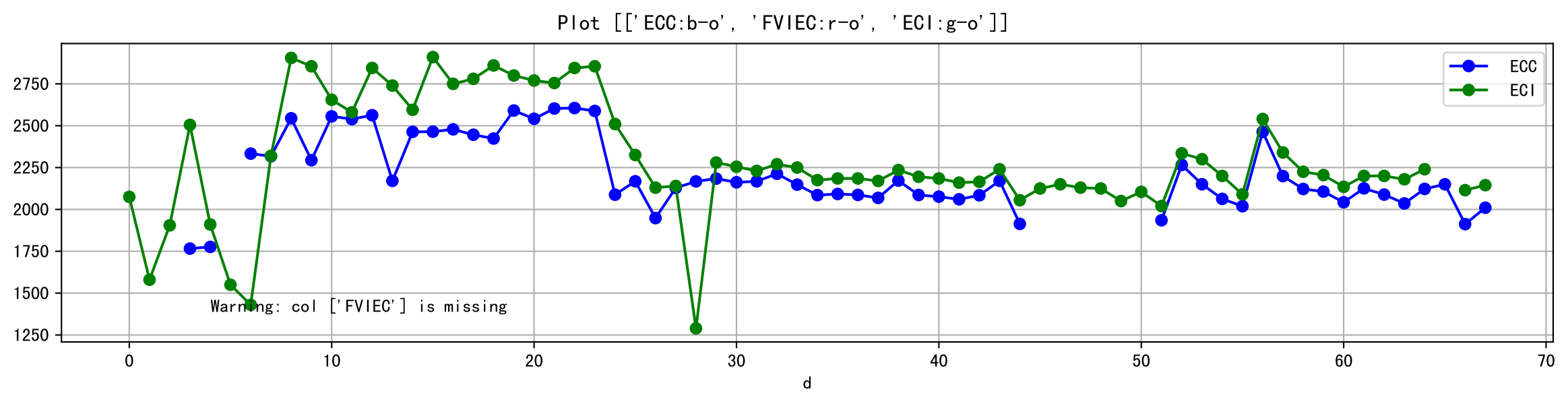


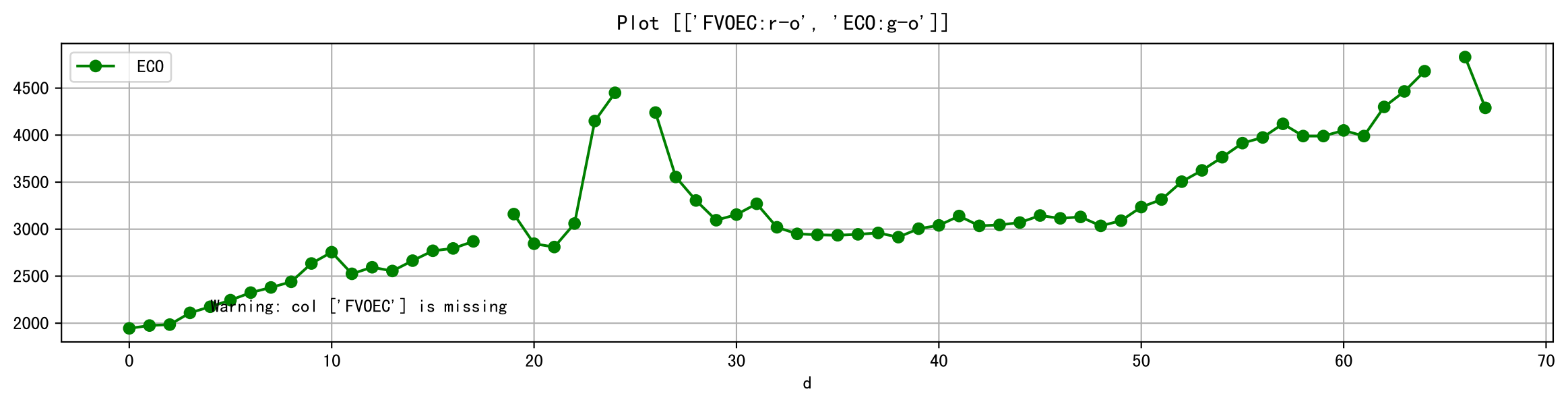
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']

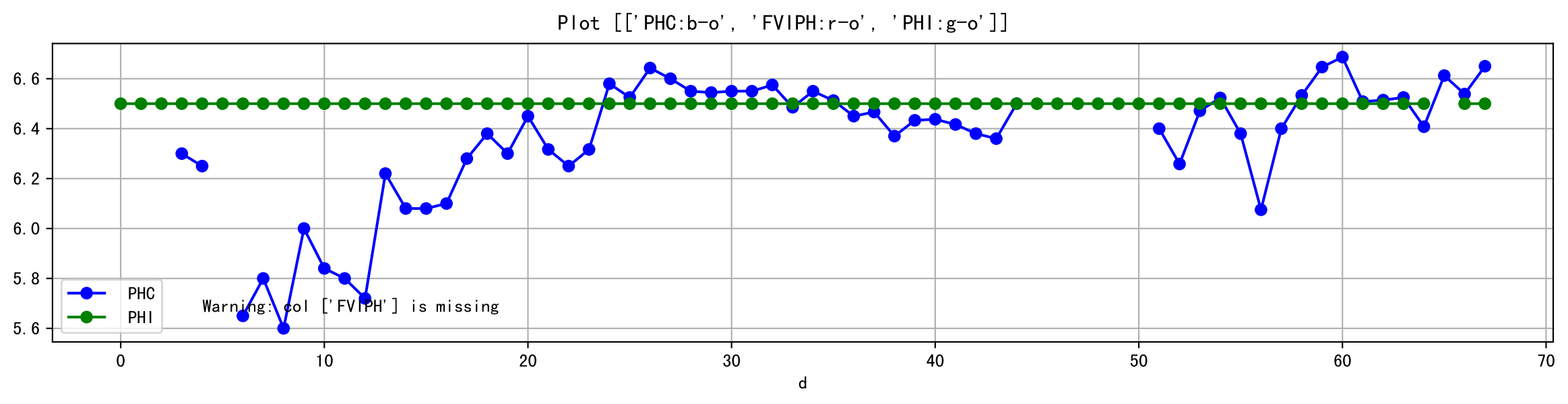


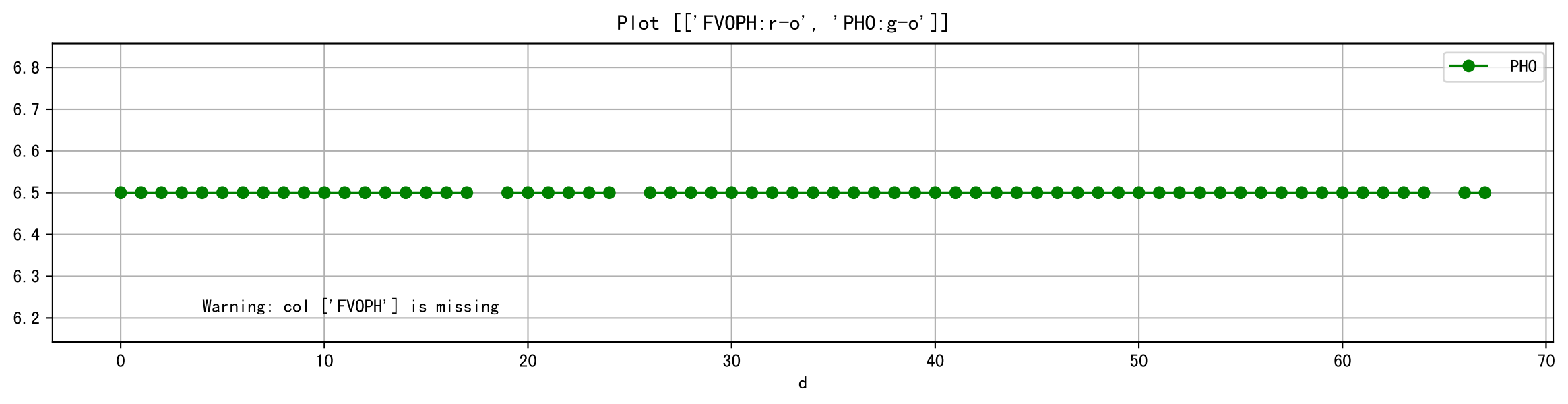

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
400
300
200
100
0
0
10
20
30
40
50
60
70
80
d

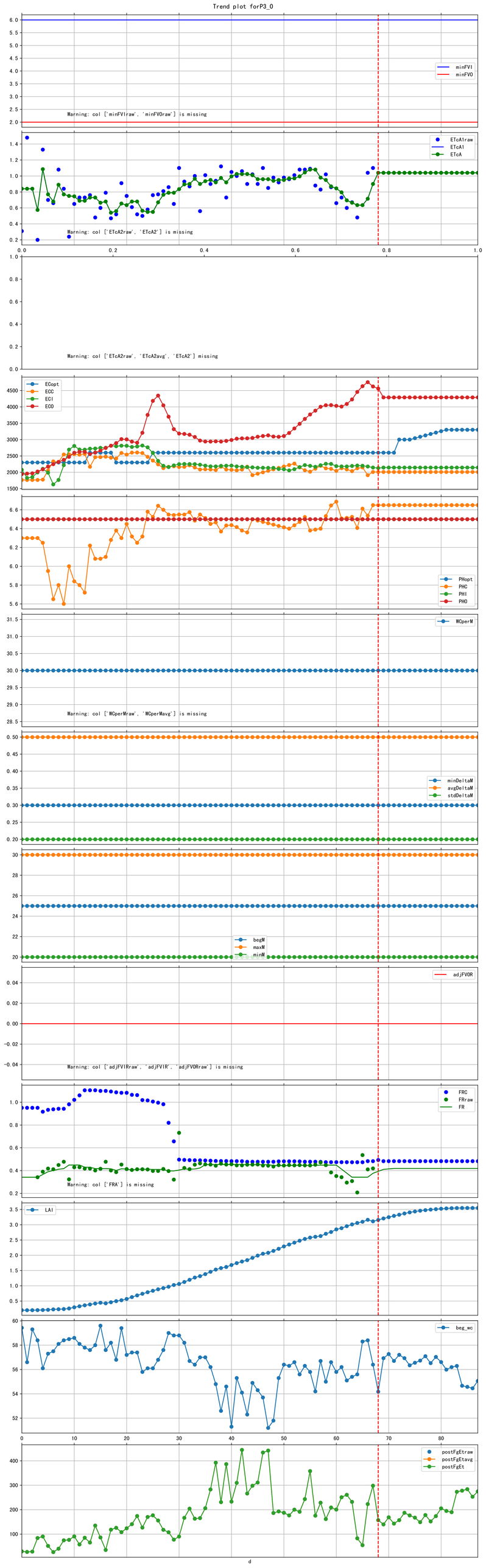

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

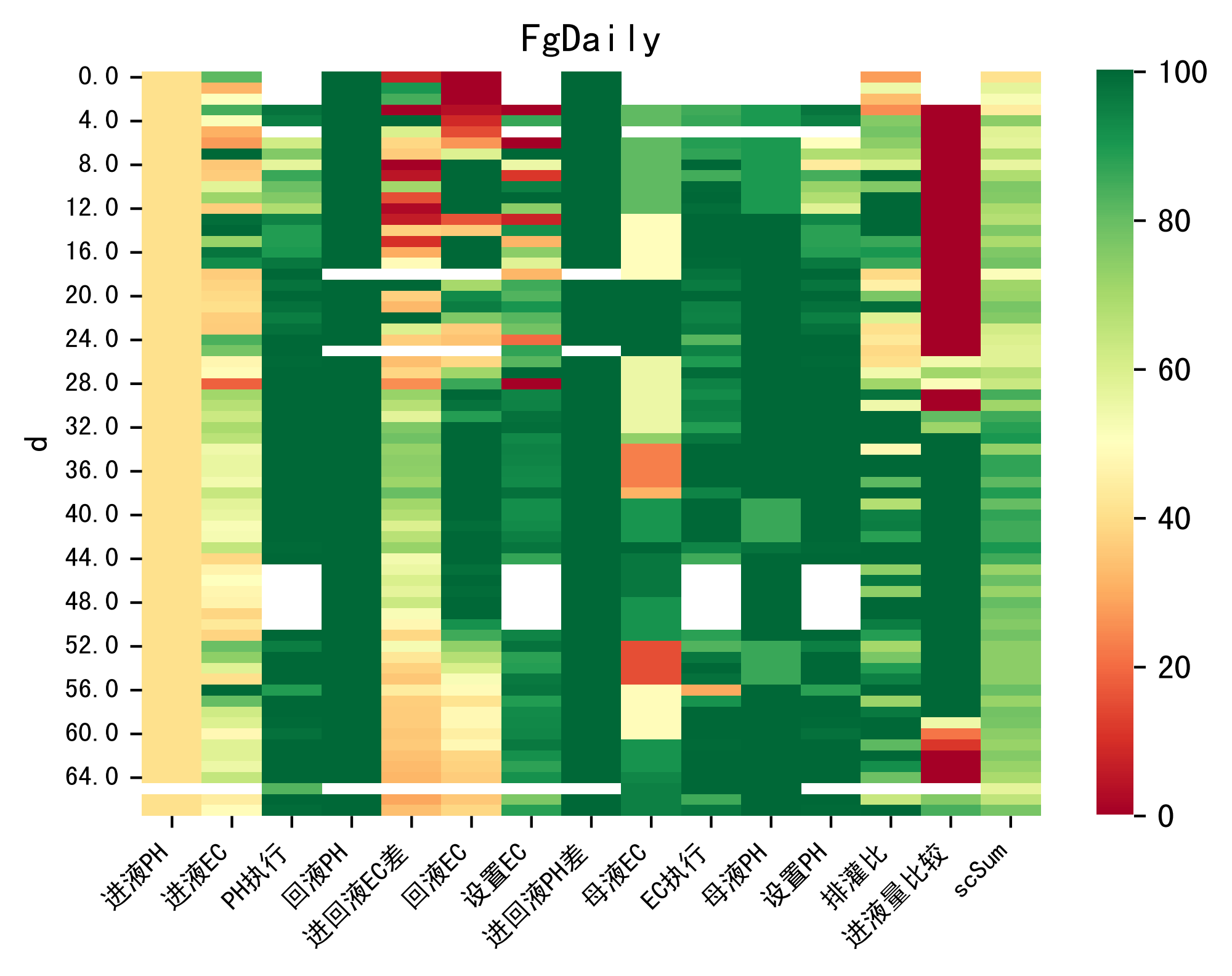

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2750
2500
2250
2000
1750
1500
1250
0
10
20
30
40
50
60
70
d


Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
2000
0
10
20
30
40
50
60
70
d

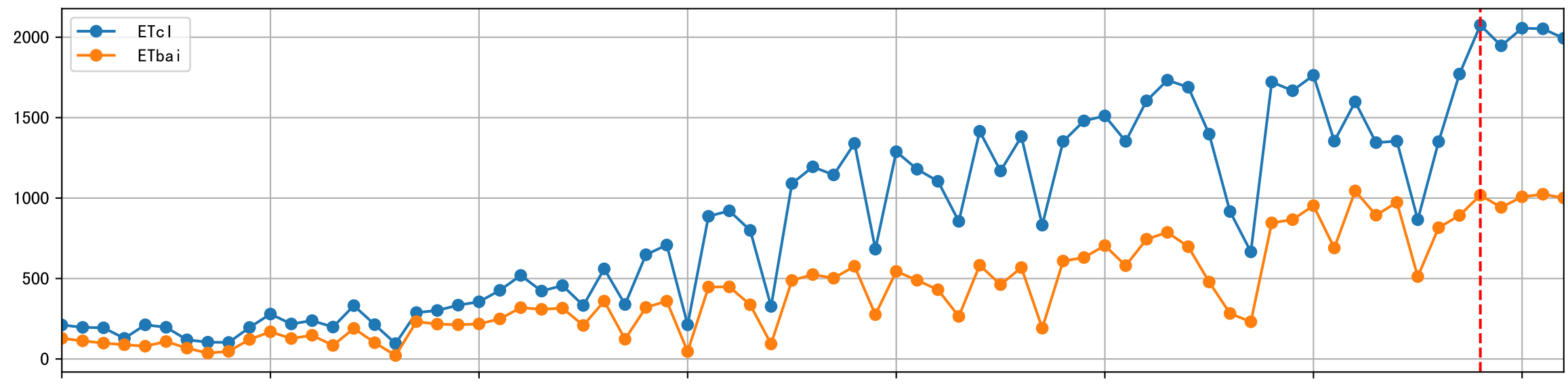

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
6.6
6.4
6.2
6.0
5.8
5.6
PHC
PHI
Warning: col ['FVIPH'] is missing
0
10
20
30
40
50
60
70
d

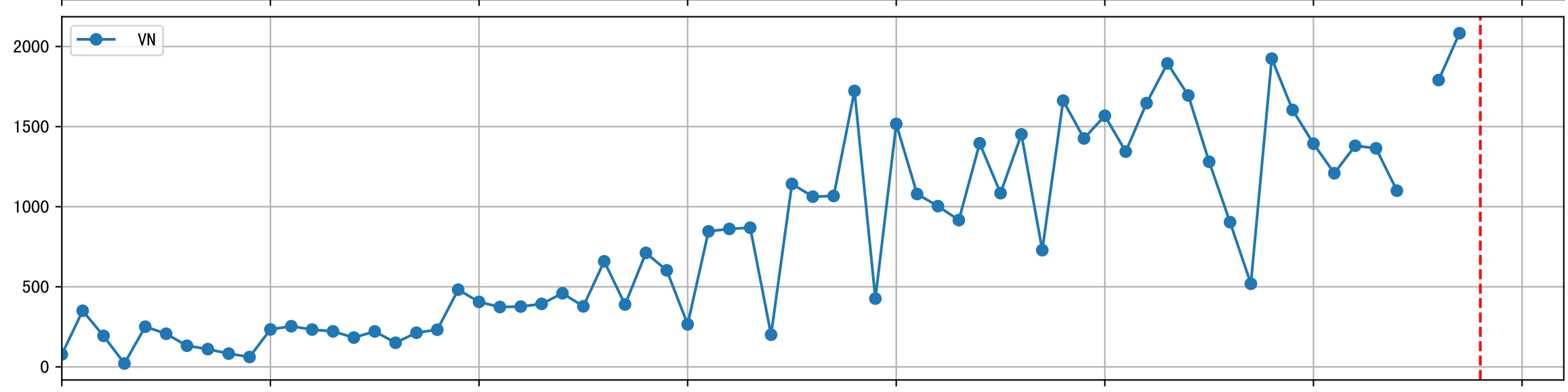

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
6.8
6.7
6.6
6.5
6.4
6.3
6.2
Warning: col ['FVOPH'] is missing
0
10
20
30
40
50
60
70
d

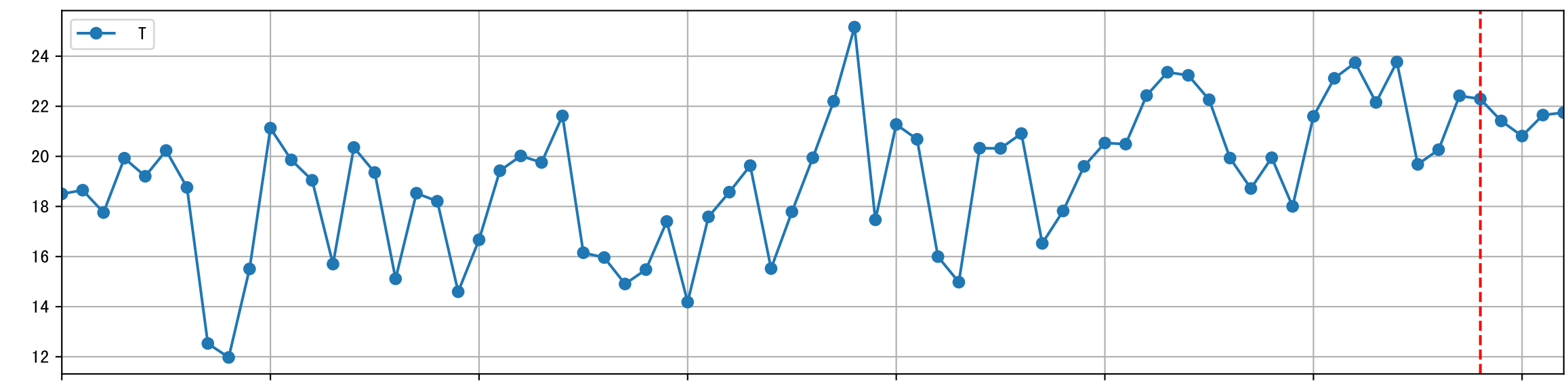

Trend plot forP3_0
minFVI
minFV0
Warning: col ['minFVIraw', 'minFV0raw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRC
FRraw
FR
Warning: col ['FRA'] is missing
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

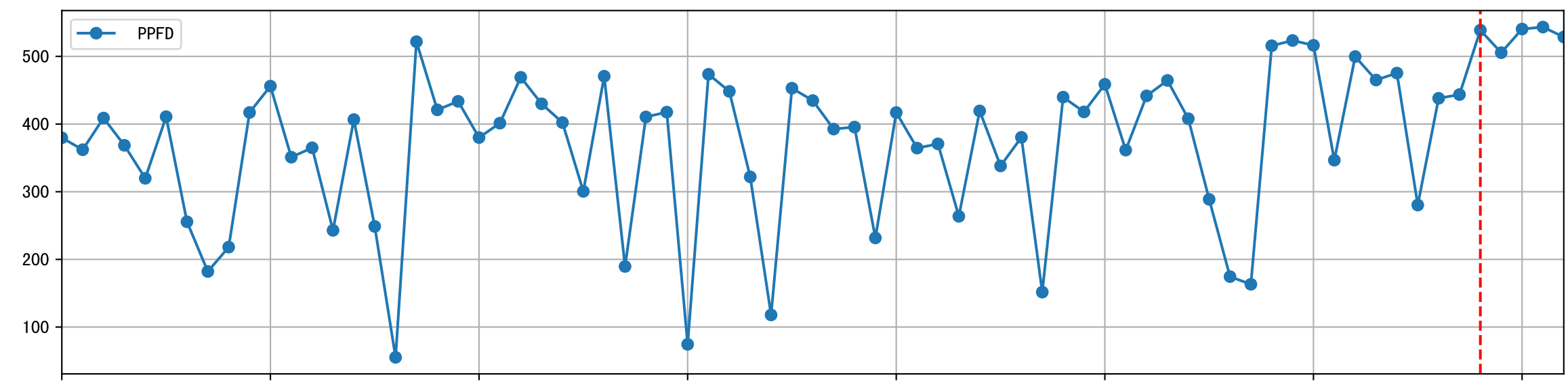

FgDaily
d
0.0
4.0
8.0
12.0
16.0
20.0
24.0
28.0
32.0
36.0
40.0
44.0
48.0
52.0
56.0
60.0
64.0
100
80
60
40
20
0
进液PH
进液EC
PH执行
回液PH
进回液EC差
回液EC
设置EC
进回液PH差
母液EC
EC执行
母液PH
设置PH
排灌比
进液量比较
scSum

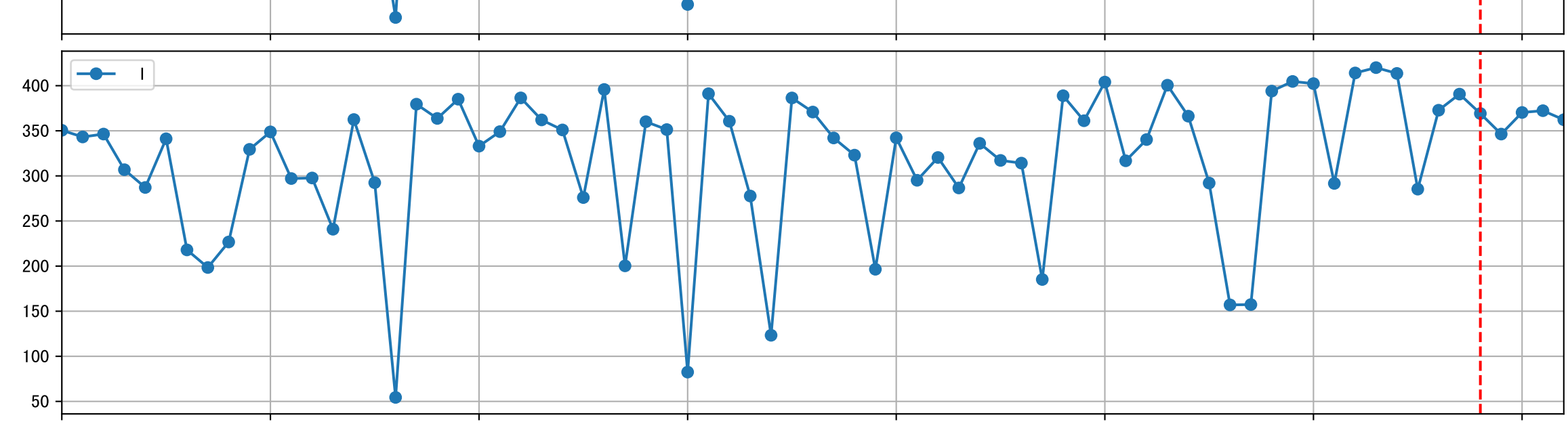
P3_0

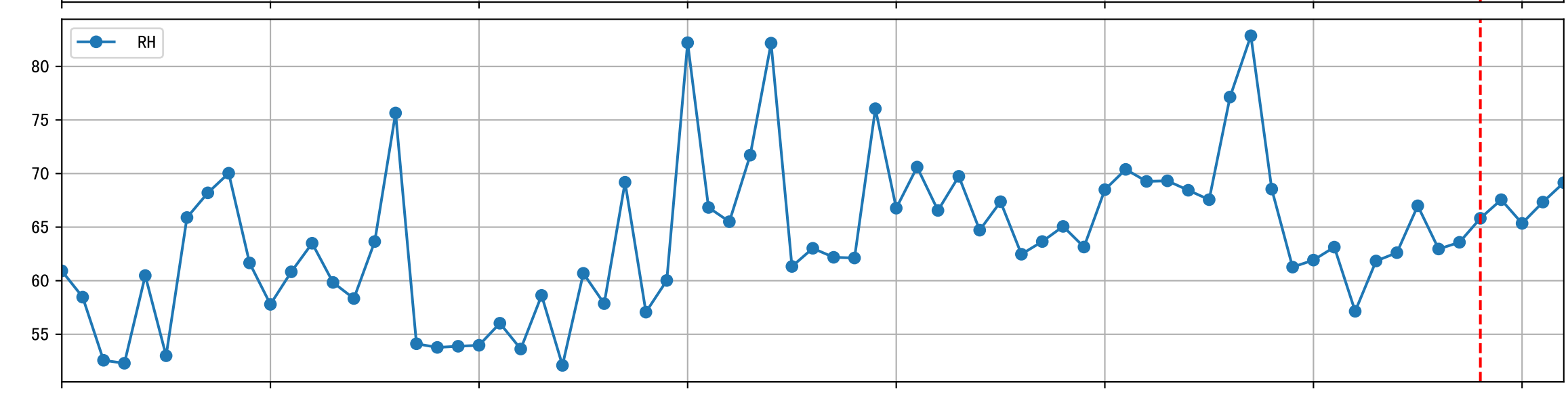

ETcl
ETbai
2000
1500
1000
500
0

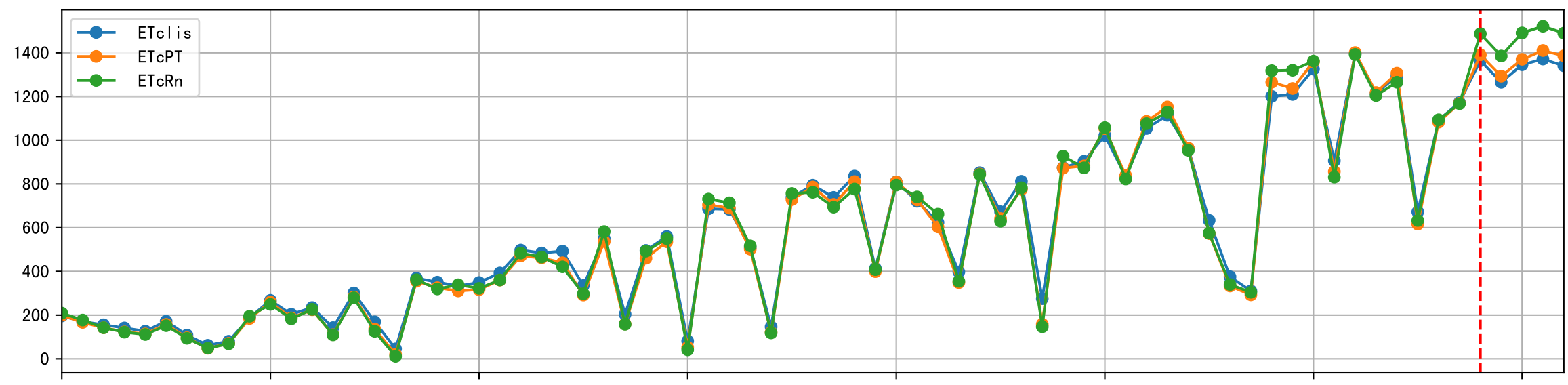

VN
2000
1500
1000
500
0


T
24
22
20
18
16
14
12

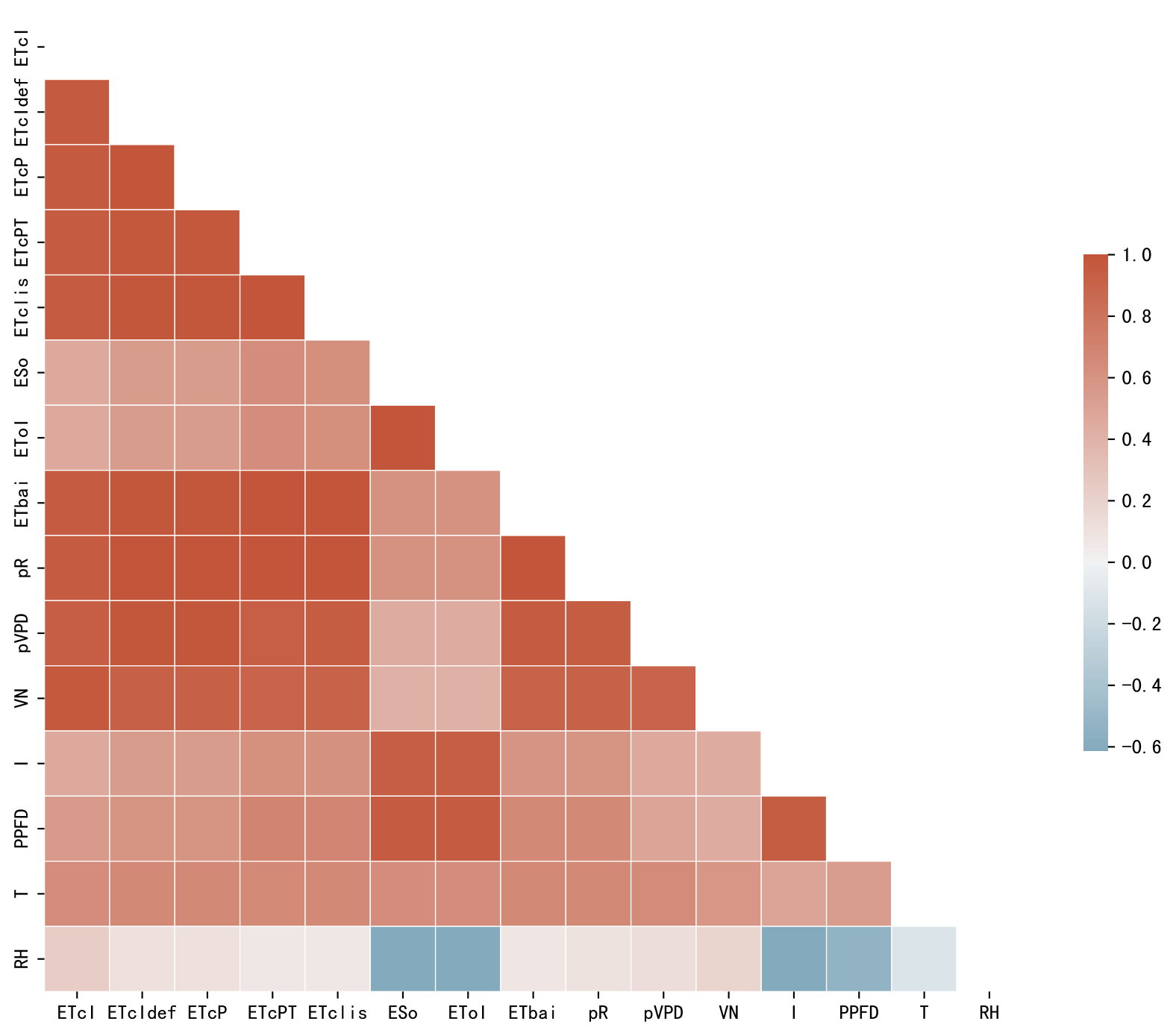

PPFD
500
400
300
200
100

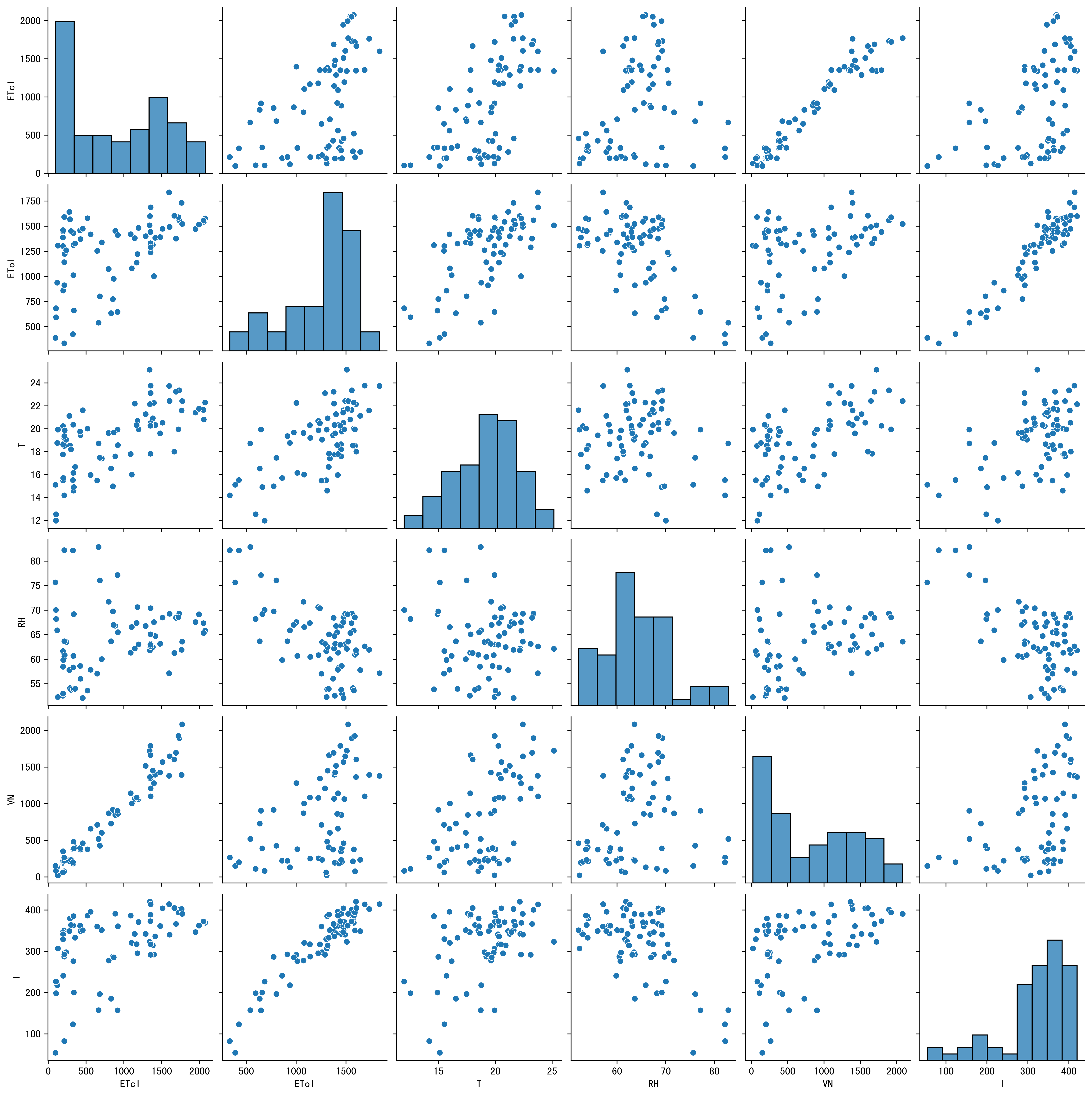

I
400
350
300
250
200
150
100
50


RH
80
75
70
65
60
55

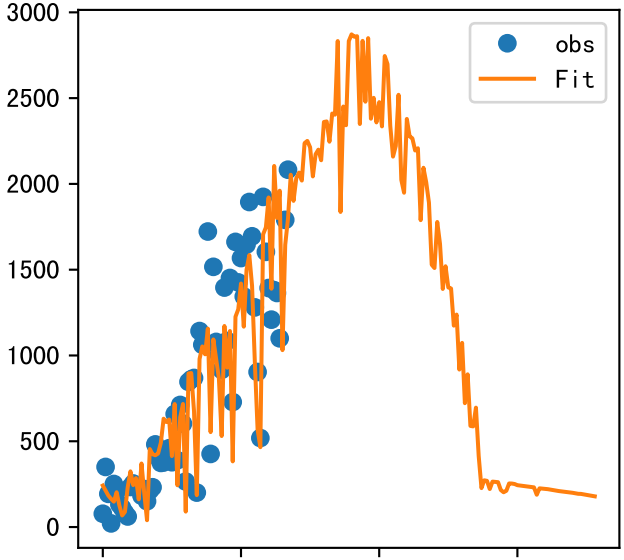

ETclis
ETcPT
ETcRn
1400
1200
1000
800
600
400
200
0

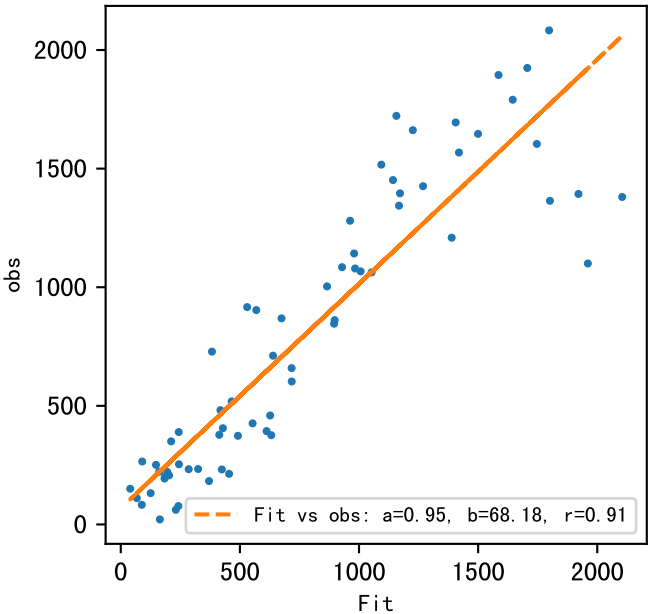
0
10
20
30
40
50
60
70
d


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

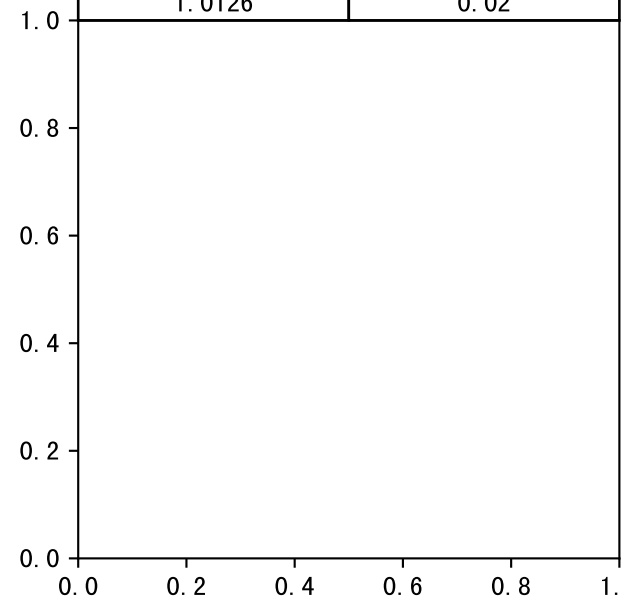


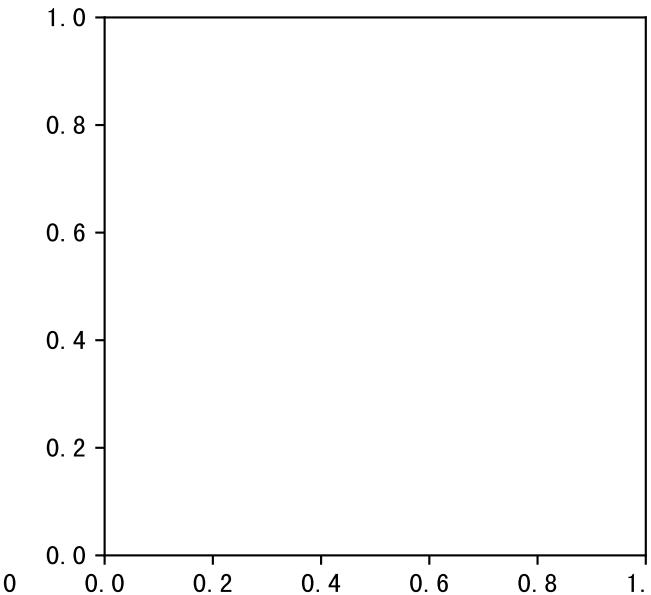
ETcl
ETol
T
RH
VN
I

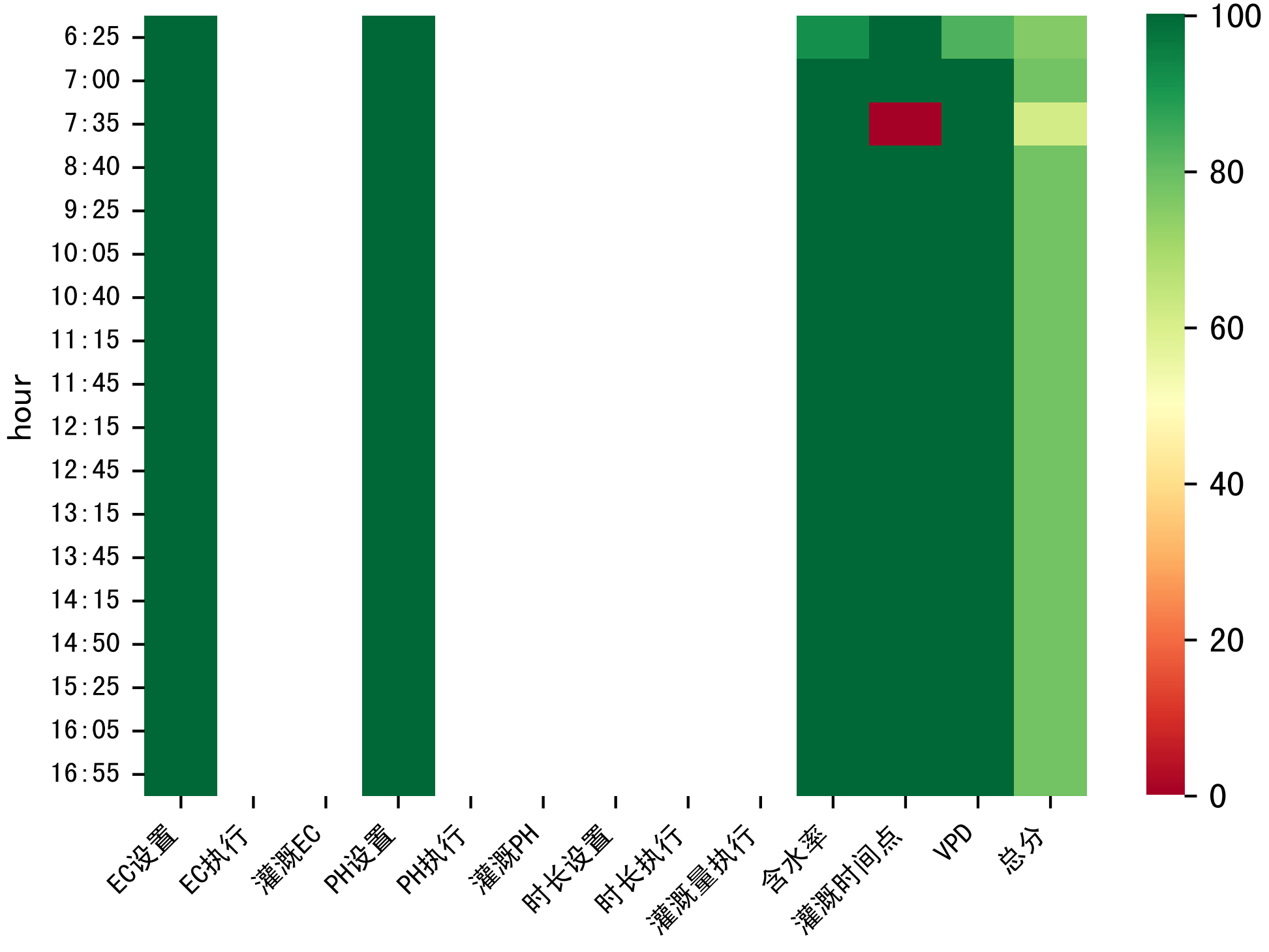




baiA	baiB
1.0126	0.02



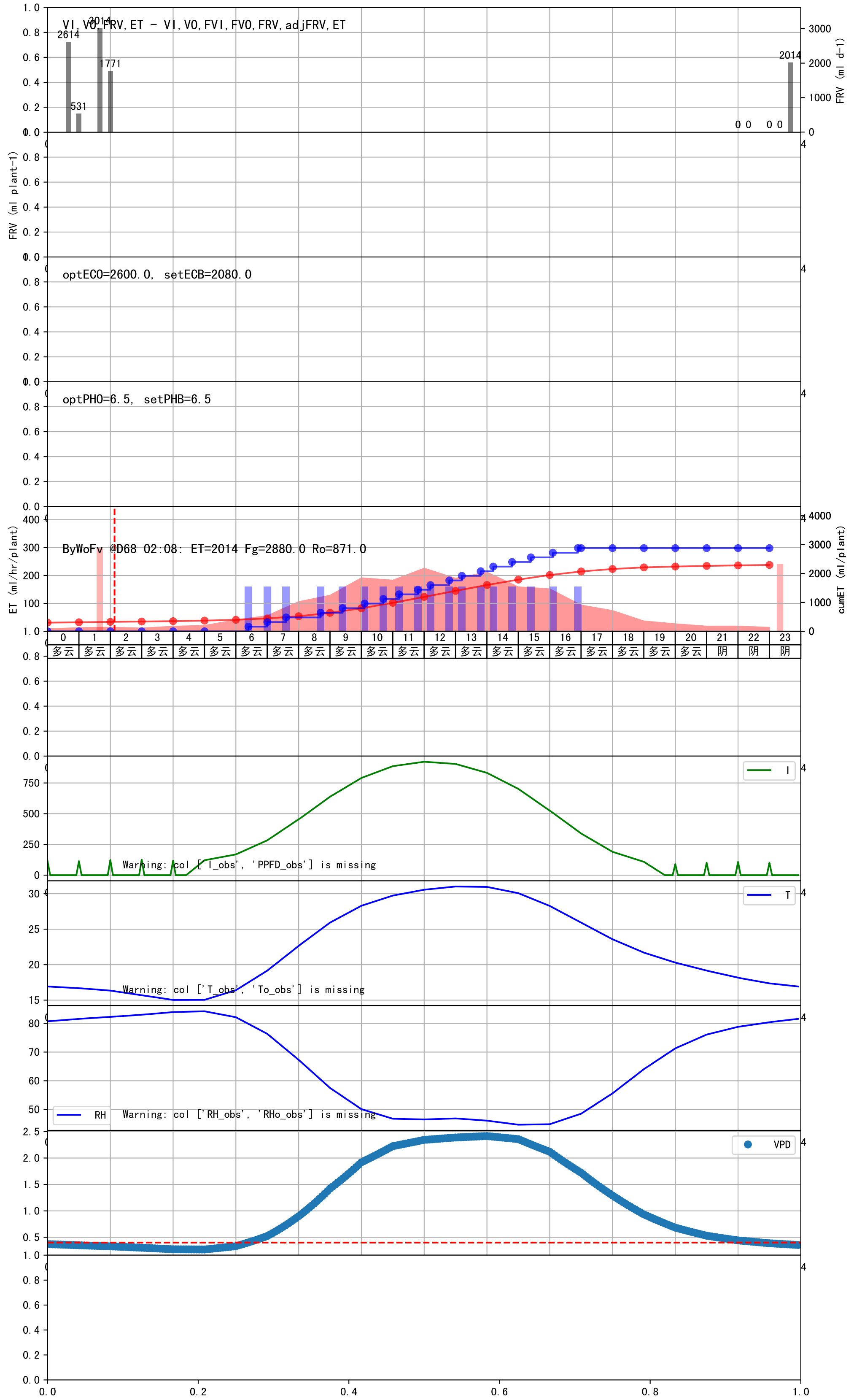


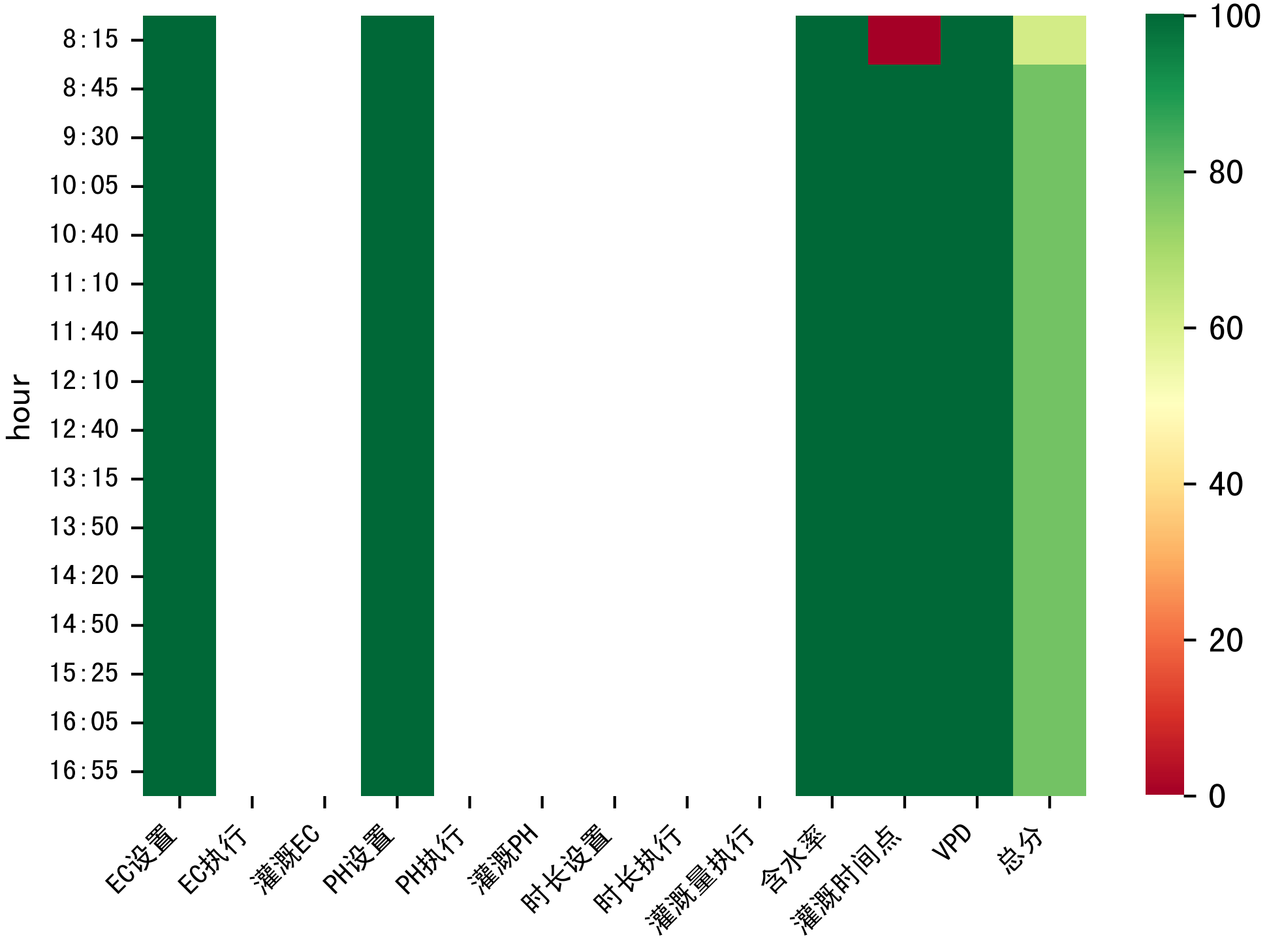

hour
6:25
7:00
7:35
8:40
9:25
10:05
10:40
11:15
11:45
12:15
12:45
13:15
13:45
14:15
14:50
15:25
16:05
16:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:25	390	160.0	0.633	多云	预期@06:25 未知程序（未用传感器）
07:00	390	160.0	0.633	多云	预期@07:00 未知程序（未用传感器）
07:35	390	160.0	0.633	多云	预期@07:35 未知程序（未用传感器）
08:40	390	160.0	0.633	多云	预期@08:40 未知程序（未用传感器）
09:25	390	160.0	0.633	多云	预期@09:25 未知程序（未用传感器）
10:05	390	160.0	0.633	多云	预期@10:05 未知程序（未用传感器）
10:40	390	160.0	0.633	多云	预期@10:40 未知程序（未用传感器）
11:15	390	160.0	0.633	多云	预期@11:15 未知程序（未用传感器）
11:45	390	160.0	0.633	多云	预期@11:45 未知程序（未用传感器）
12:15	390	160.0	0.633	多云	预期@12:15 未知程序（未用传感器）
12:45	390	160.0	0.633	多云	预期@12:45 未知程序（未用传感器）
13:15	390	160.0	0.633	多云	预期@13:15 未知程序（未用传感器）
13:45	390	160.0	0.633	多云	预期@13:45 未知程序（未用传感器）
14:15	390	160.0	0.633	多云	预期@14:15 未知程序（未用传感器）
14:50	390	160.0	0.633	多云	预期@14:50 未知程序（未用传感器）
15:25	390	160.0	0.633	多云	预期@15:25 未知程序（未用传感器）
16:05	390	160.0	0.633	多云	预期@16:05 未知程序（未用传感器）
16:55	390	160.0	0.633	多云	预期@16:55 未知程序（未用传感器）
总计	7020.0 (18次)	2880.0			建议进液EC：2080.0， PH：6.5

进回液EC差(2146.0 vs 4625.0)过高

P3_0, Day=68 (2025-06-12)

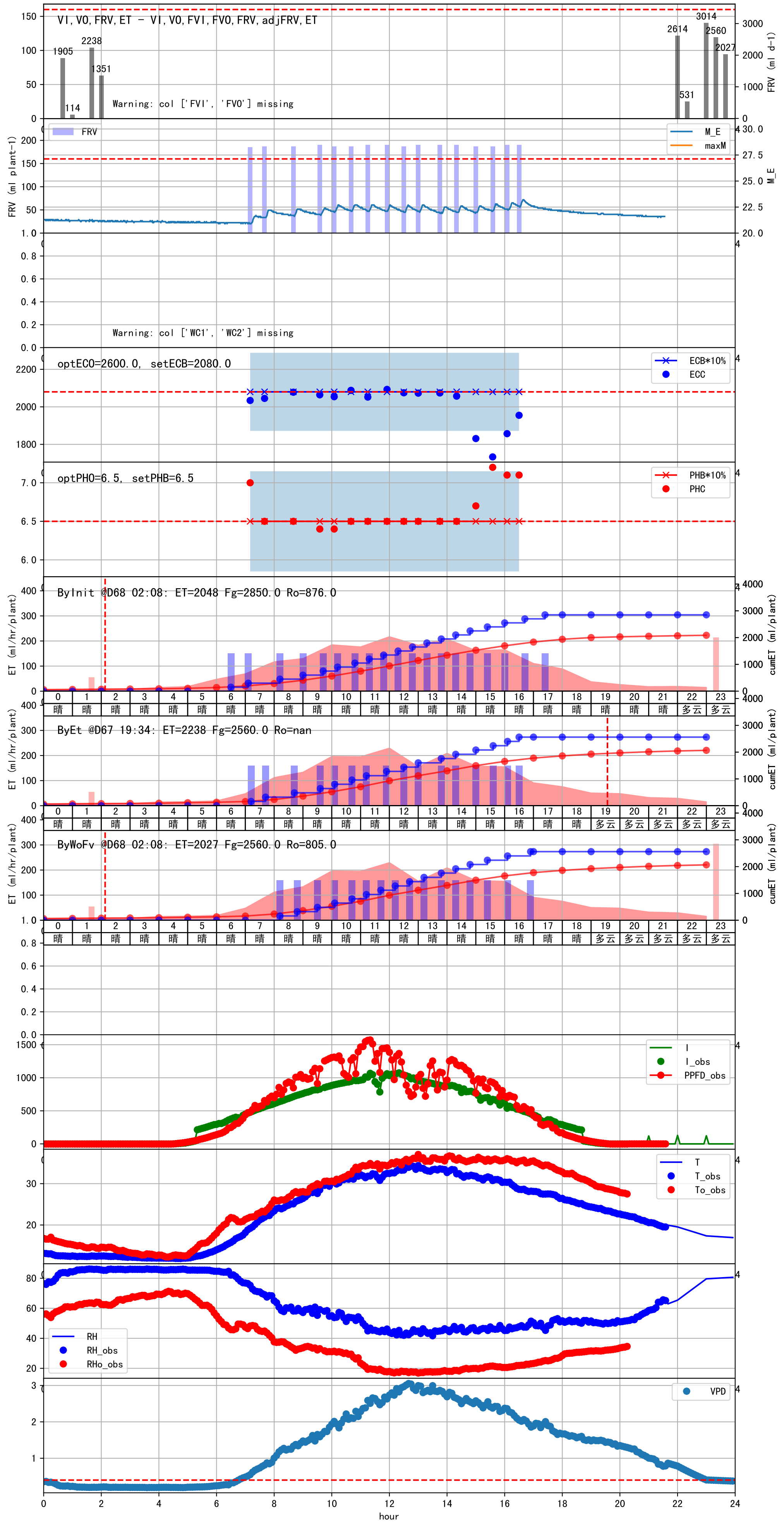


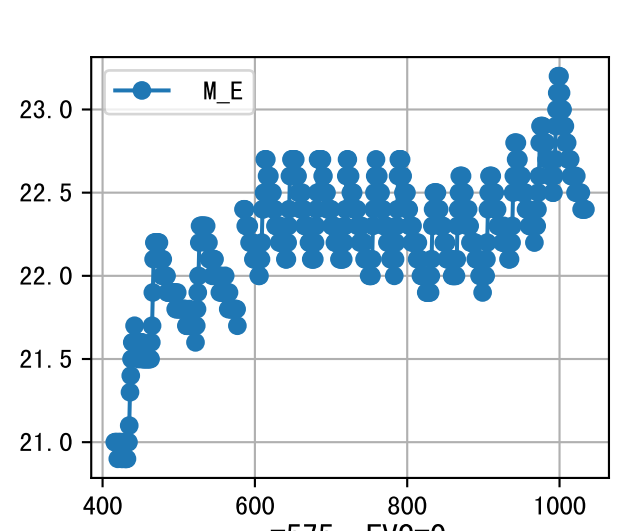

hour
8:15
8:45
9:30
10:05
10:40
11:10
11:40
12:10
12:40
13:15
13:50
14:20
14:50
15:25
16:05
16:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

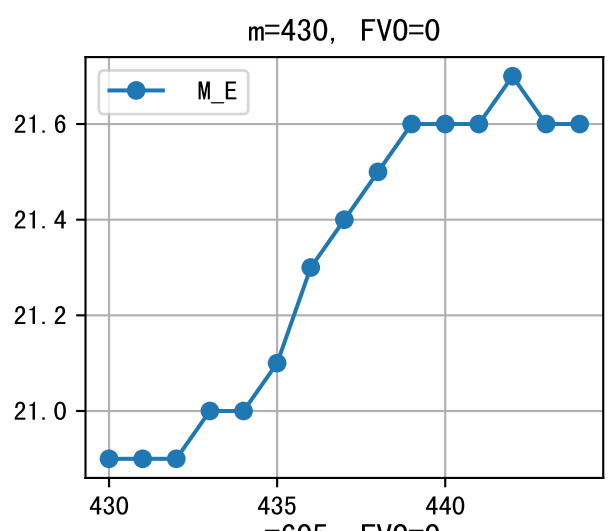
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	390	160.0	0.633	晴	假设@08:15 自动（未用传感器）
08:45	390	160.0	0.633	晴	假设@08:45 自动（未用传感器）
09:30	390	160.0	0.633	晴	假设@09:30 自动（未用传感器）
10:05	390	160.0	0.633	晴	假设@10:05 自动（未用传感器）
10:40	390	160.0	0.633	晴	假设@10:40 自动（未用传感器）
11:10	390	160.0	0.633	晴	假设@11:10 自动（未用传感器）
11:40	390	160.0	0.633	晴	假设@11:40 自动（未用传感器）
12:10	390	160.0	0.633	晴	假设@12:10 自动（未用传感器）
12:40	390	160.0	0.633	晴	假设@12:40 自动（未用传感器）
13:15	390	160.0	0.633	晴	假设@13:15 自动（未用传感器）
13:50	390	160.0	0.633	晴	假设@13:50 自动（未用传感器）
14:20	390	160.0	0.633	晴	假设@14:20 自动（未用传感器）
14:50	390	160.0	0.633	晴	假设@14:50 自动（未用传感器）
15:25	390	160.0	0.633	晴	假设@15:25 自动（未用传感器）
16:05	390	160.0	0.633	晴	假设@16:05 自动（未用传感器）
16:55	390	160.0	0.633	晴	假设@16:55 自动（未用传感器）
总计	6240.0 (16次)	2560.0			建议进液EC：2080.0， PH：6.5

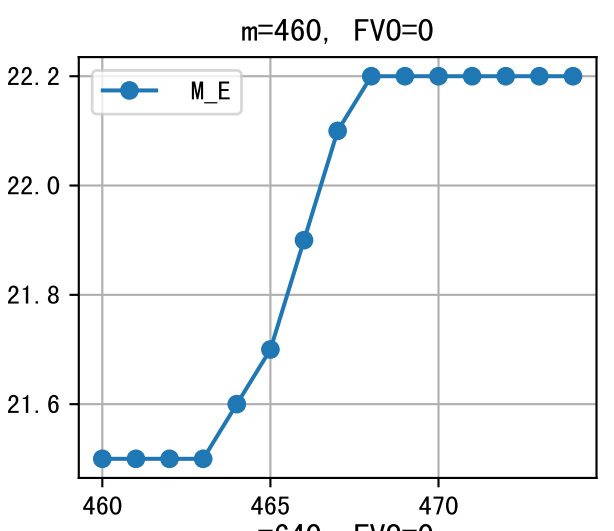
large discrepency for begining water status (55:263.0), set to 55 ml.
进回液EC差(2178.0 vs 4755.0)过高

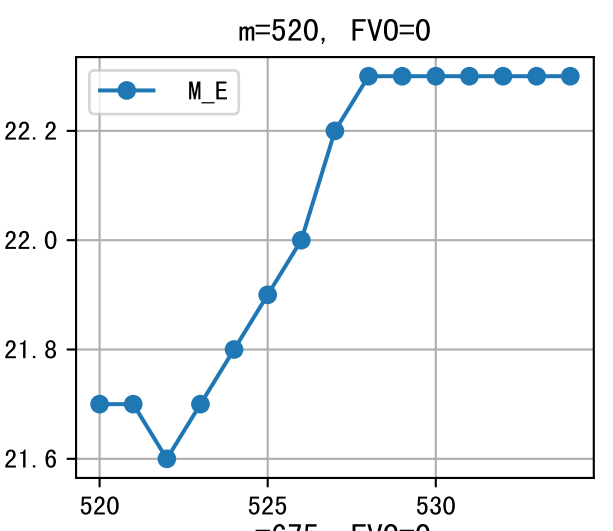
P3_0, Day=67 (2025-06-11)

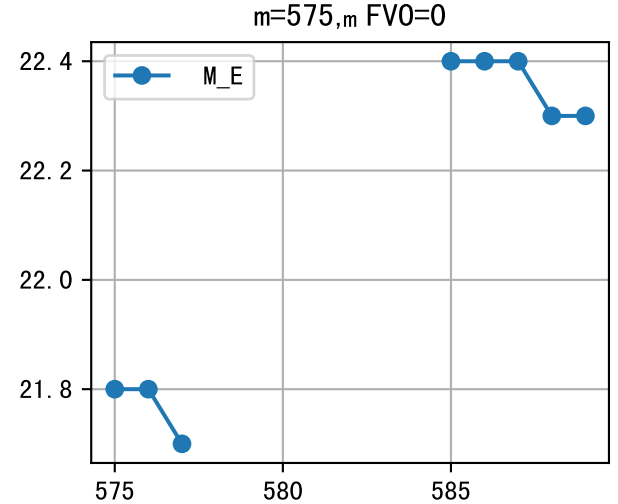


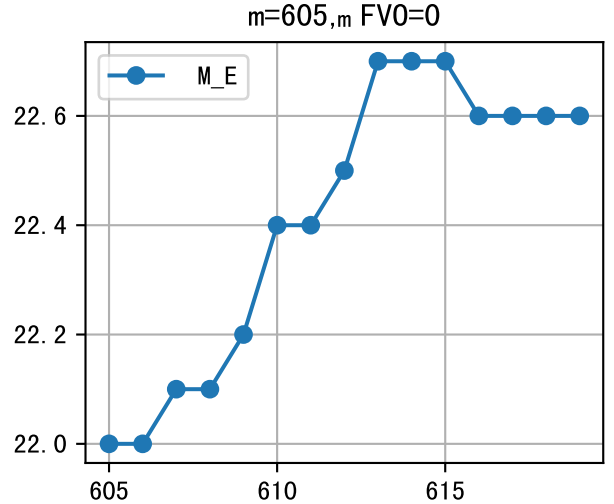

M_E

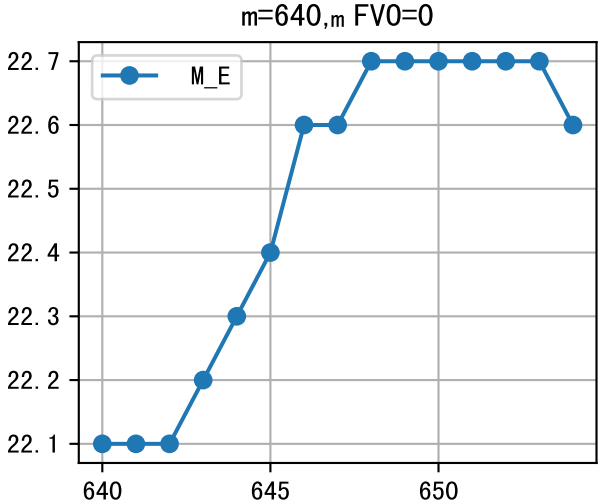

m=430, FV0=0
M_E

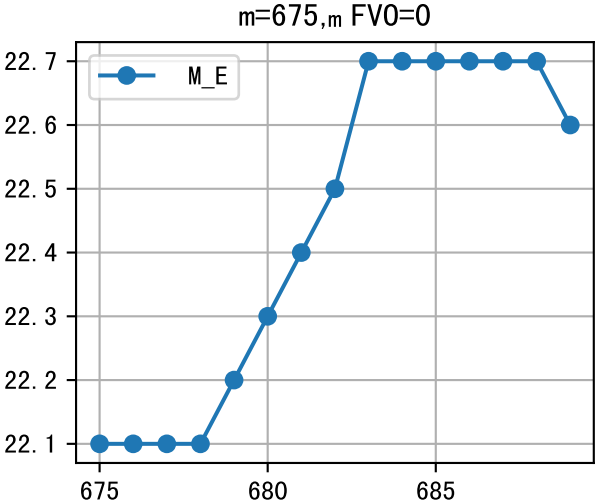

m=460, FV0=0
M_E

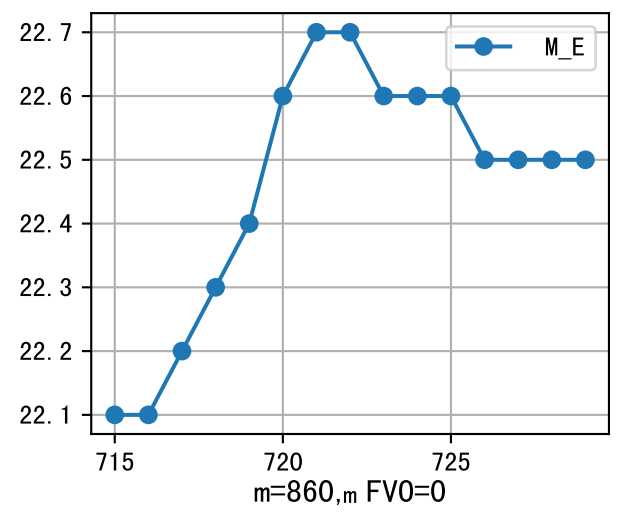

m=520, FV0=0
M_E

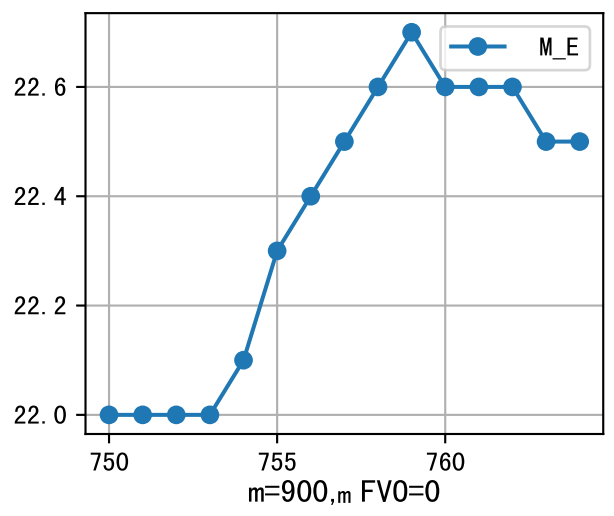

m=575,m FV0=0
M_E

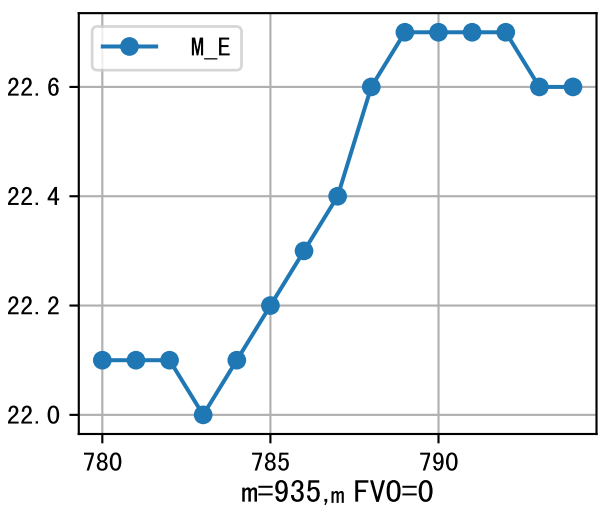

m=605,m FV0=0
M_E

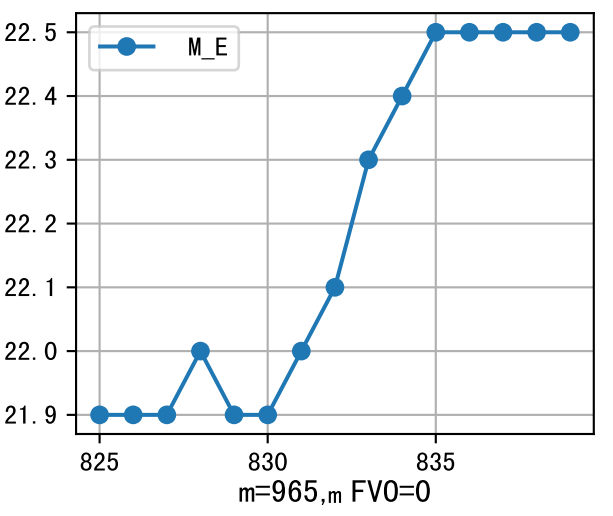

m=640,m FV0=0
M_E

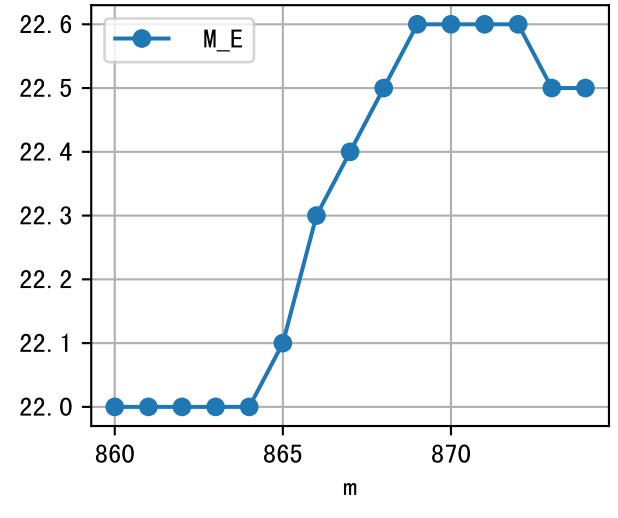

m=675,m FV0=0
M_E

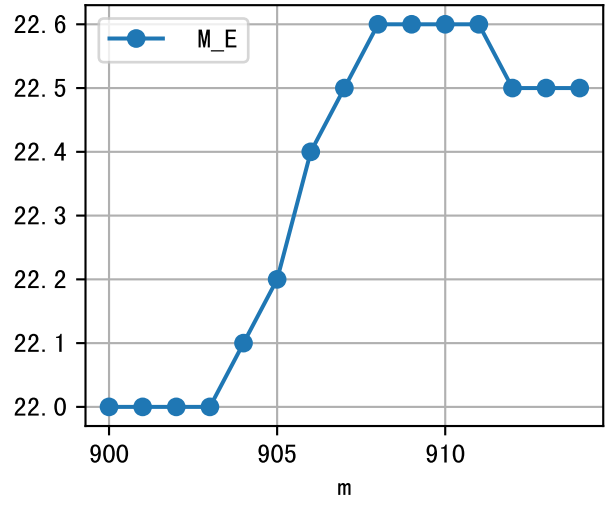

m=715,m FV0=0
M_E

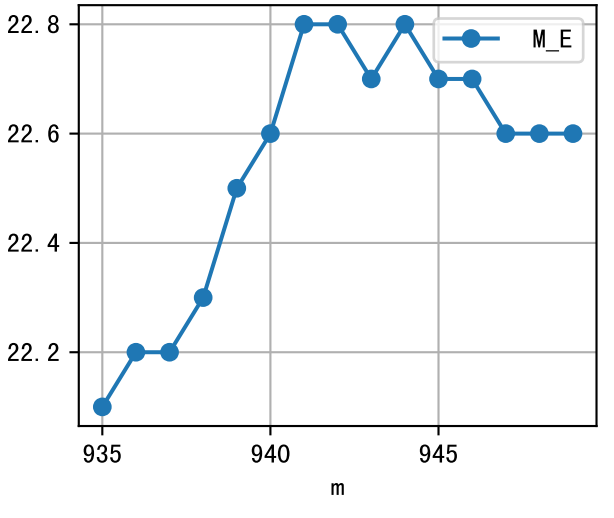

m=750,m FV0=0
M_E

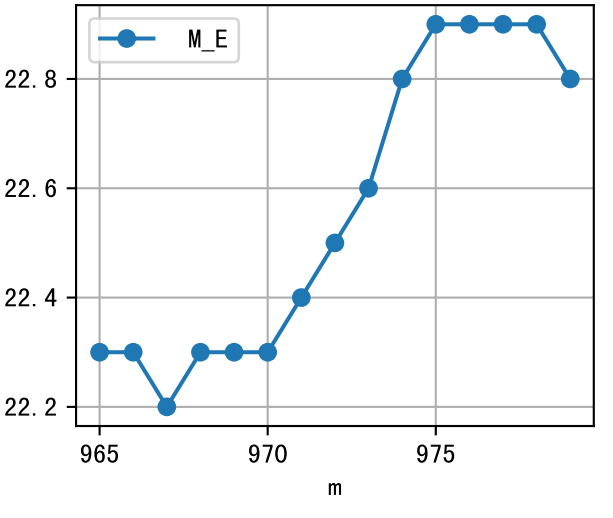

m=780,m FV0=0
M_E

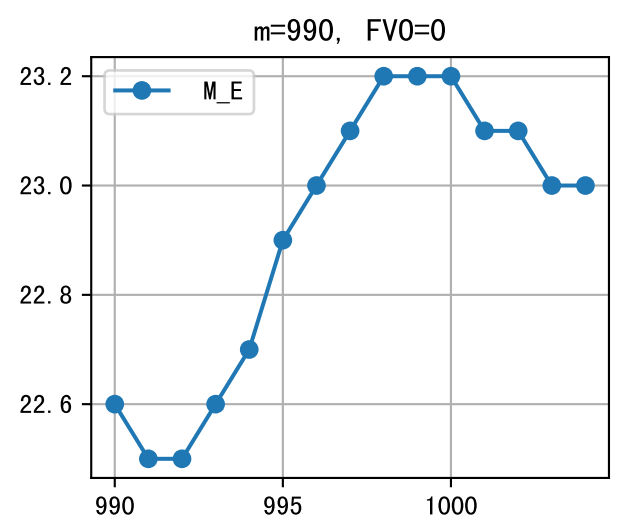

m=825,m FV0=0
M_E

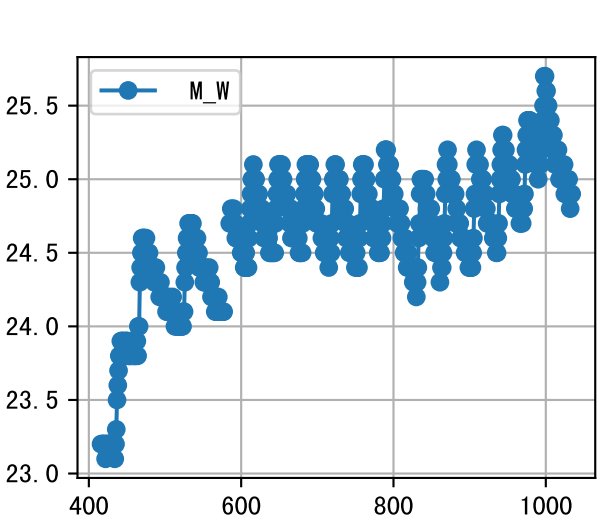

m=860,m FV0=0
M_E
m

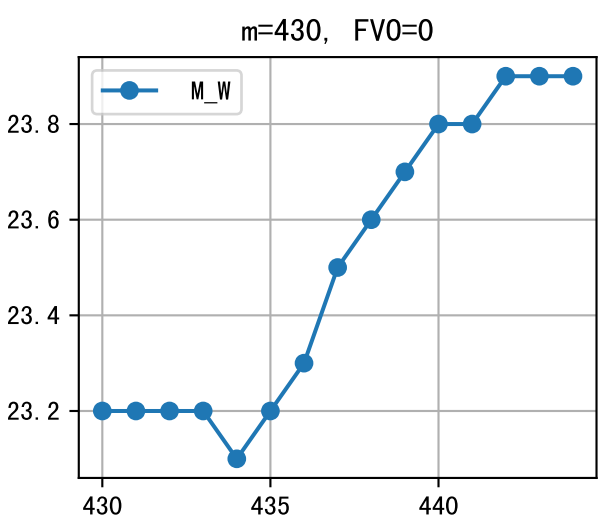

m=900,m FV0=0
M_E
m

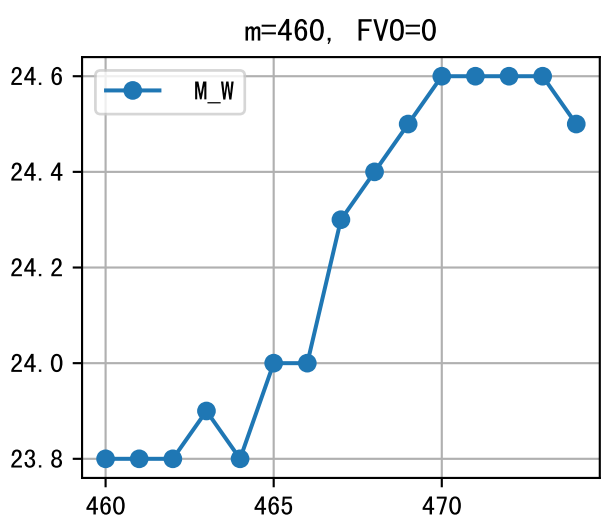

m=935,m FV0=0
M_E
m

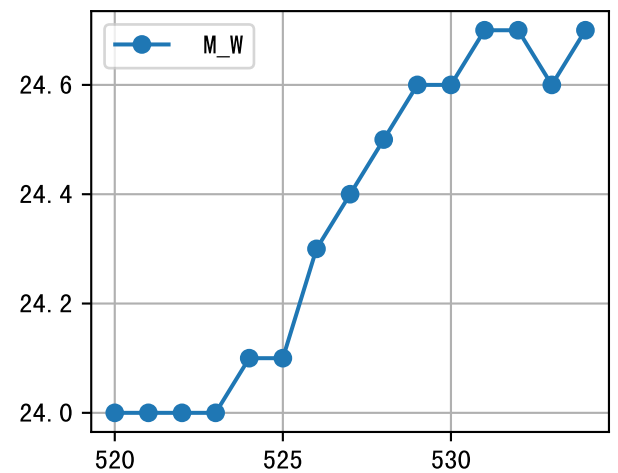

m=965,m FV0=0
M_E
m

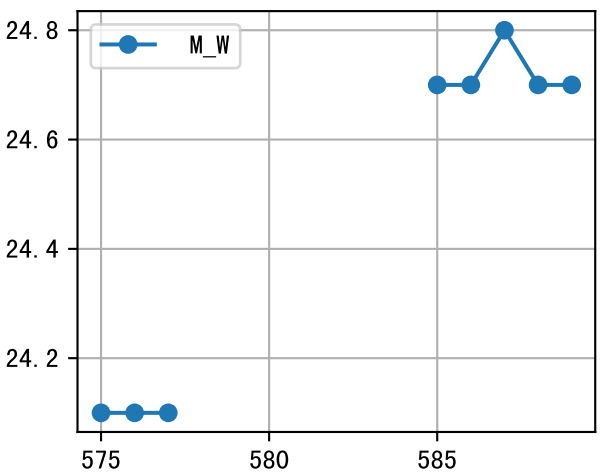

m=990, FV0=0
M_E
23.2
23.0
22.8
22.6
990
995
1000

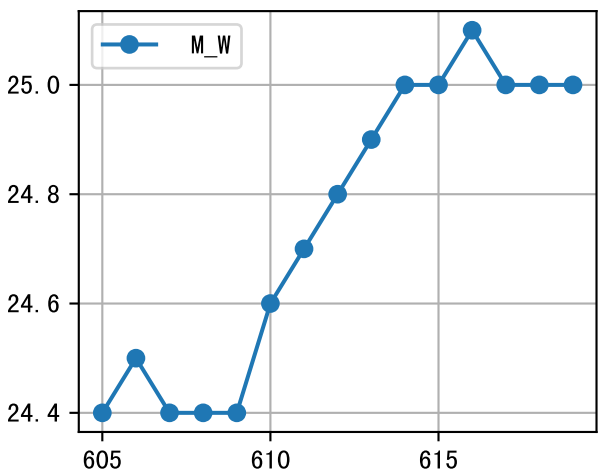

M_W
25.5
25.0
24.5
24.0
23.5
23.0
400
600
800
1000

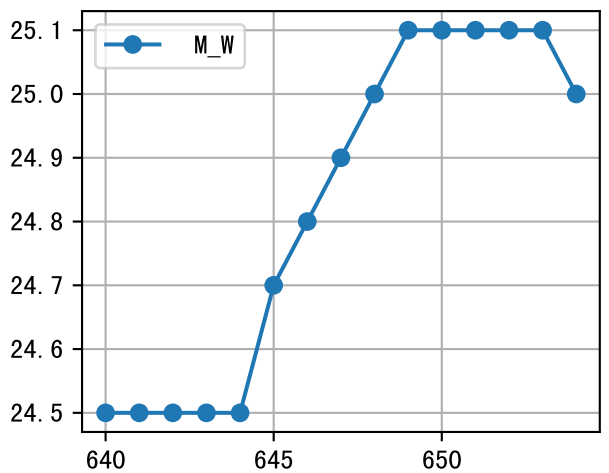

m=430, FV0=0
M_W
23.8
23.6
23.4
23.2
430
435
440

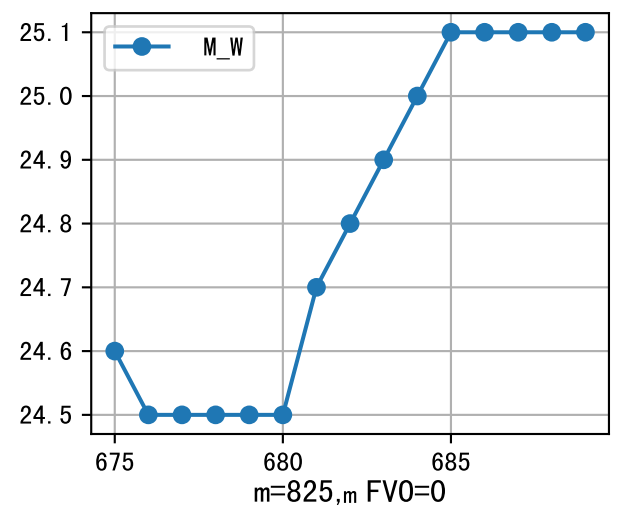

m=460, FV0=0
M_W
24.6
24.4
24.2
24.0
23.8
460
465
470

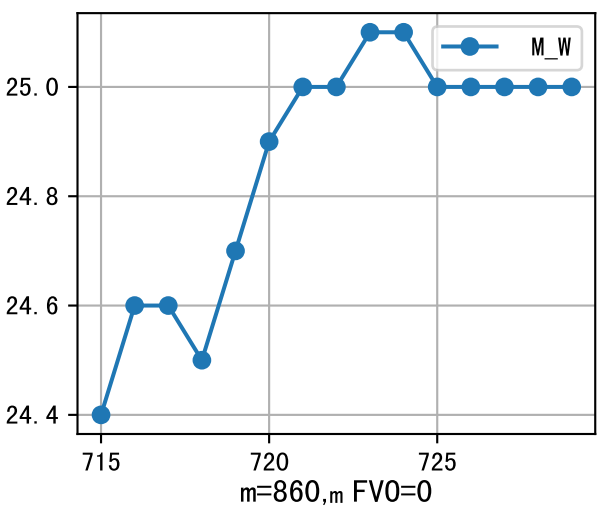

m=520,m FV0=0
M_W
24.6
24.4
24.2
24.0
520
525
530

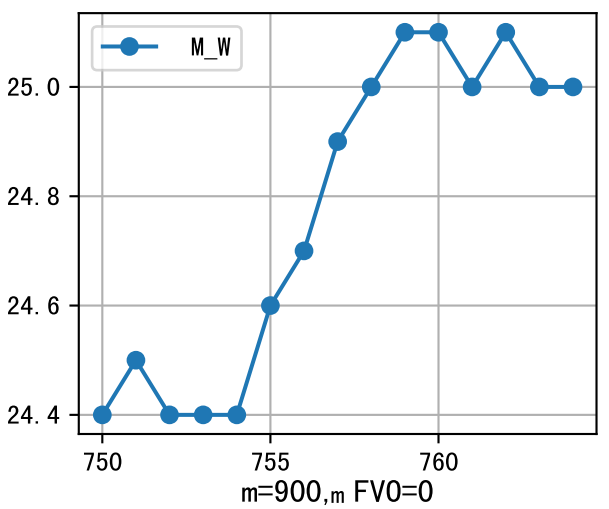

m=575,m FV0=0
M_W
24.8
24.6
24.4
24.2
575
580
585

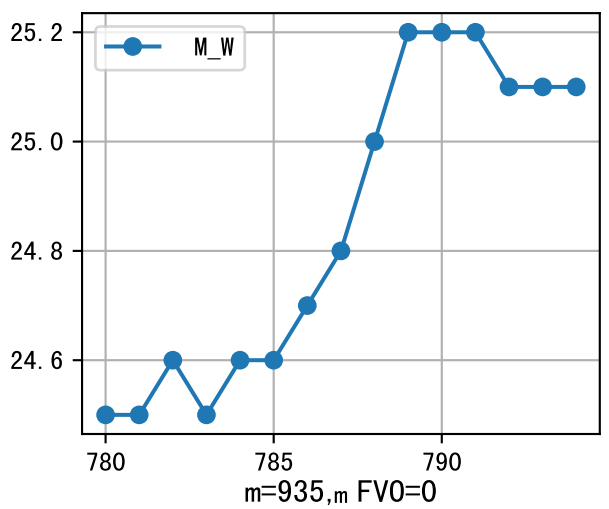

m=605,m FV0=0
M_W
25.0
24.8
24.6
24.4
605
610
615

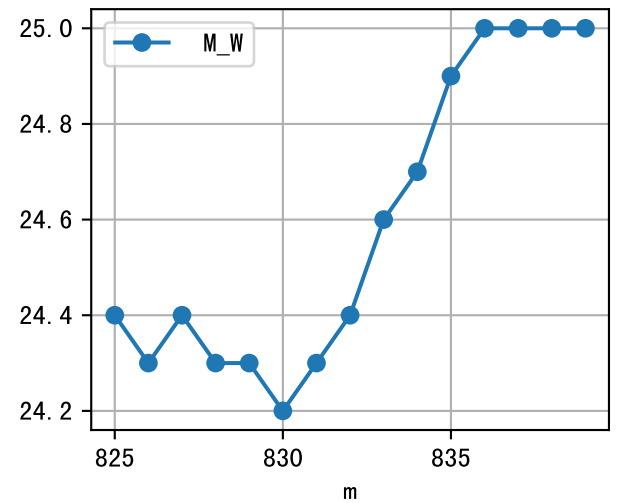

m=640,m FV0=0
M_W
25.1
25.0
24.9
24.8
24.7
24.6
24.5
640
645
650

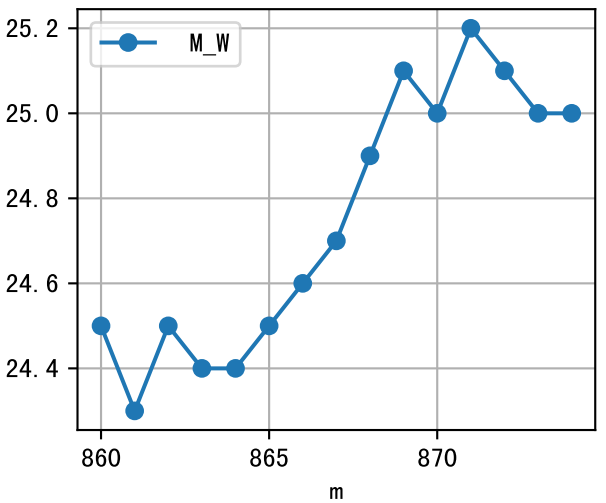

M_W
25.1
25.0
24.9
24.8
24.7
24.6
24.5
675
680
685

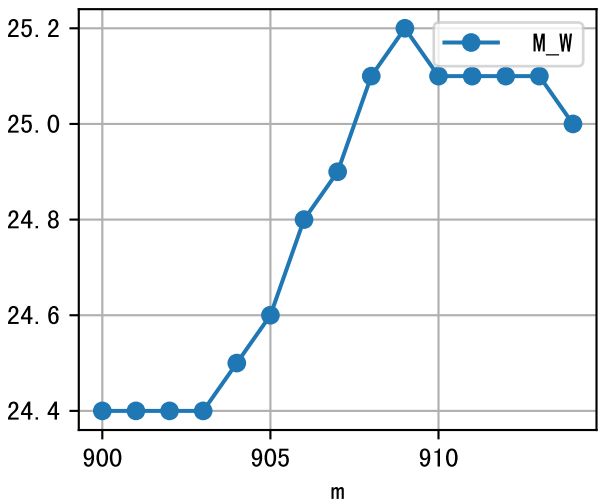

M_W
25.0
24.8
24.6
24.4
715
720
725

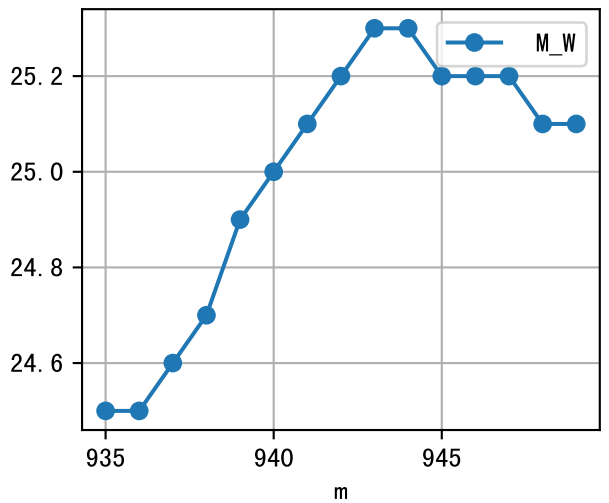

M_W
25.0
24.8
24.6
24.4
750
755
760

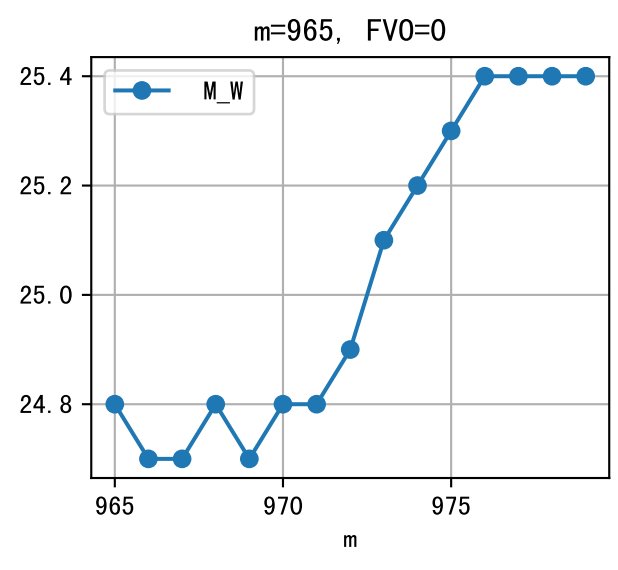

M_W
25.2
25.0
24.8
24.6
780
785
790

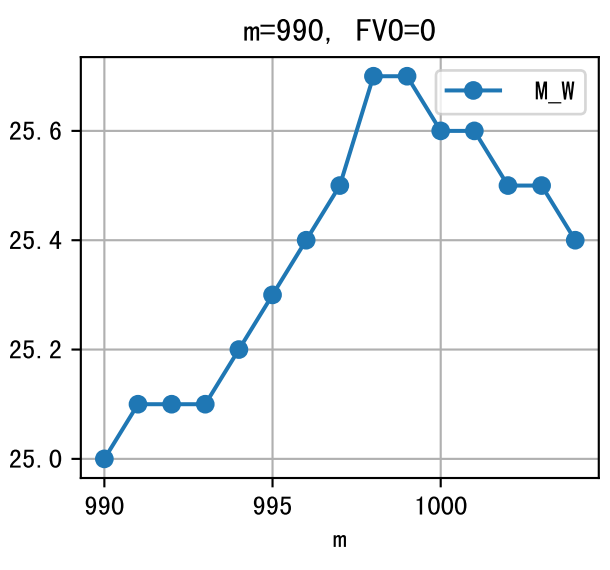

m=825,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
825
830
835
m

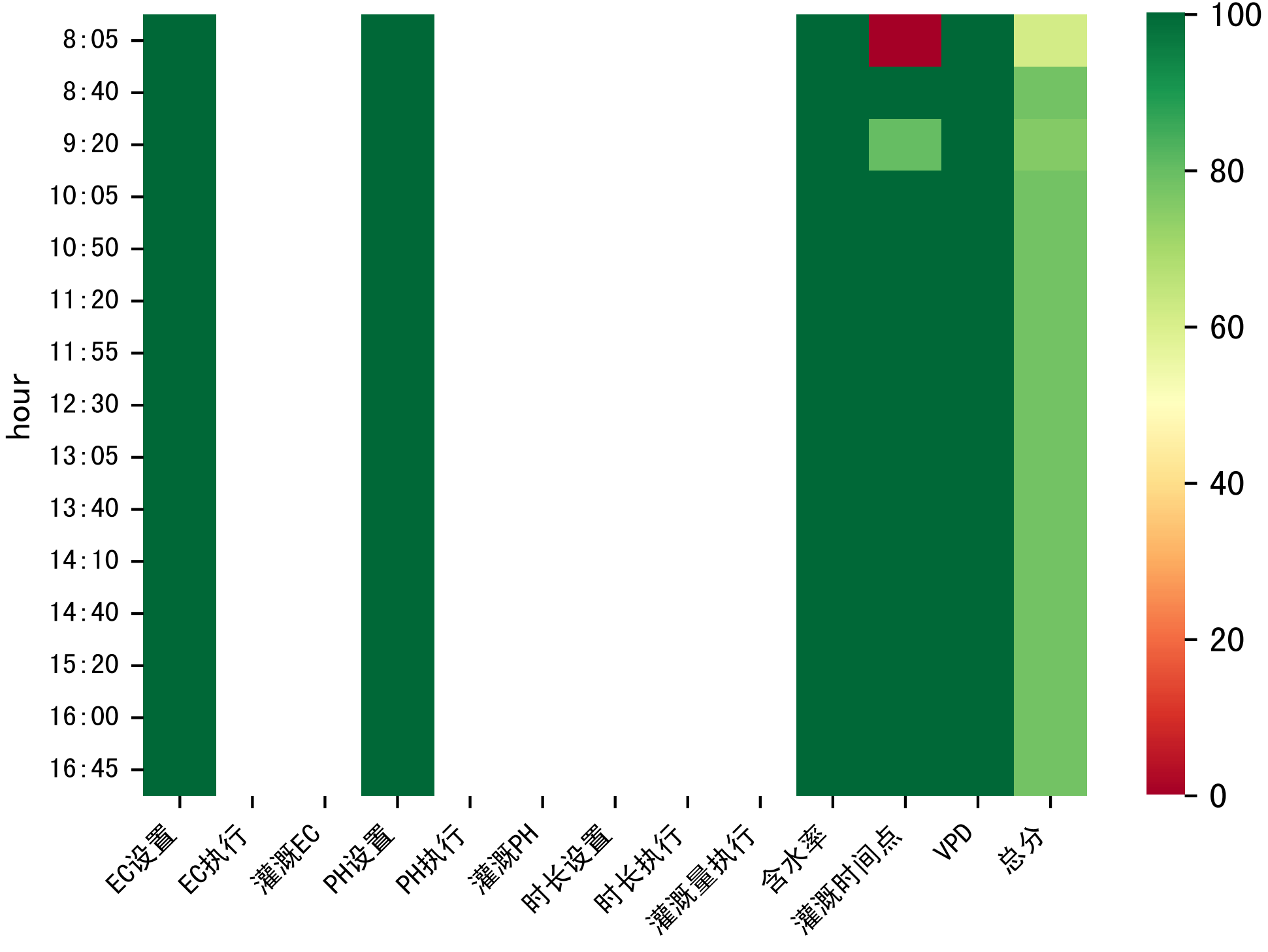

m=860,m FV0=0
M_W
25.2
25.0
24.8
24.6
24.4
860
865
870
m


m=900,m FV0=0
M_W
25.2
25.0
24.8
24.6
24.4
900
905
910
m


m=935,m FV0=0
M_W
25.2
25.0
24.8
24.6
935
940
945
m


m=965, FV0=0
M_W
25.4
25.2
25.0
24.8
965
970
975
m

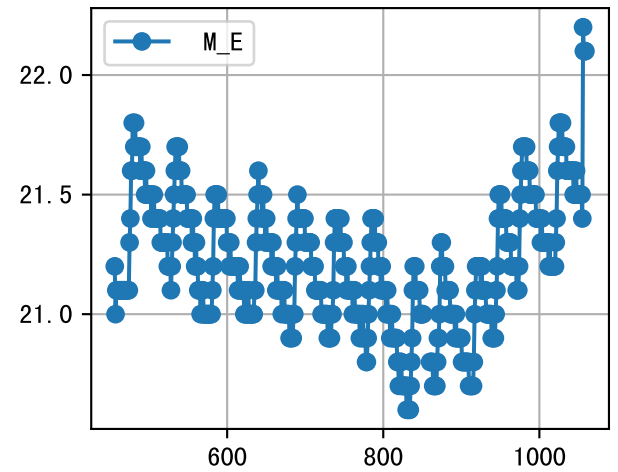

m=990, FV0=0
M_W
25.6
25.4
25.2
25.0
990
995
1000
m

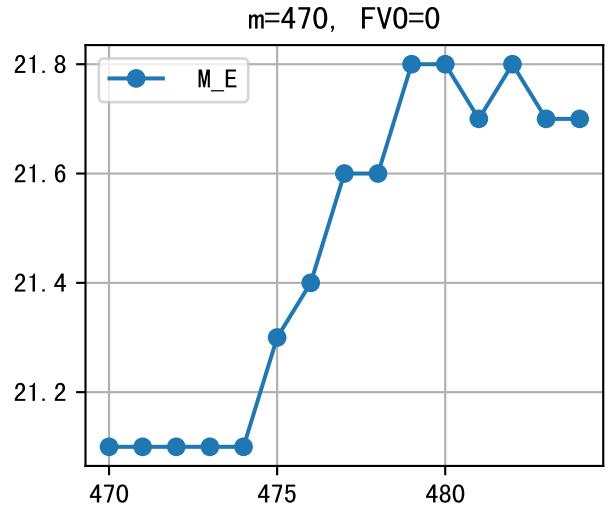

hour
8:05
8:40
9:20
10:05
10:50
11:20
11:55
12:30
13:05
13:40
14:10
14:40
15:20
16:00
16:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

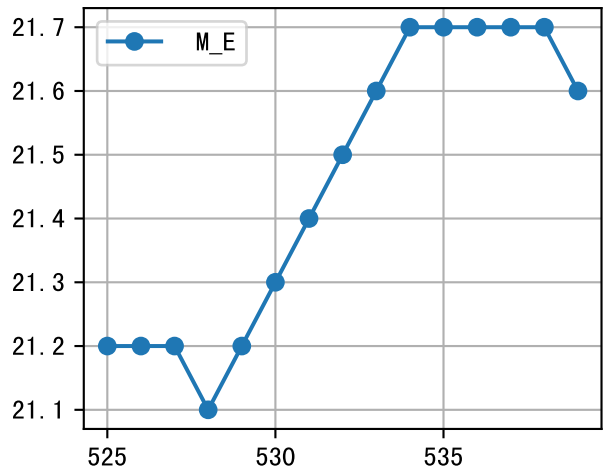
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	357	160.0	0.633	晴	假设@08:05 自动（未用传感器）
08:40	357	160.0	0.633	晴	假设@08:40 自动（未用传感器）
09:20	357	160.0	0.633	晴	假设@09:20 自动（未用传感器）
10:05	357	160.0	0.633	晴	假设@10:05 自动（未用传感器）
10:50	357	160.0	0.633	晴	假设@10:50 自动（未用传感器）
11:20	357	160.0	0.633	晴	假设@11:20 自动（未用传感器）
11:55	357	160.0	0.633	晴	假设@11:55 自动（未用传感器）
12:30	357	160.0	0.633	晴	假设@12:30 自动（未用传感器）
13:05	357	160.0	0.633	晴	假设@13:05 自动（未用传感器）
13:40	357	160.0	0.633	晴	假设@13:40 自动（未用传感器）
14:10	357	160.0	0.633	晴	假设@14:10 自动（未用传感器）
14:40	357	160.0	0.633	晴	假设@14:40 自动（未用传感器）
15:20	357	160.0	0.633	晴	假设@15:20 自动（未用传感器）
16:00	357	160.0	0.633	晴	假设@16:00 自动（未用传感器）
16:45	357	160.0	0.633	晴	假设@16:45 自动（未用传感器）
总计	5355.0 (15次)	2400.0			建议进液EC：2080.0， PH：6.5

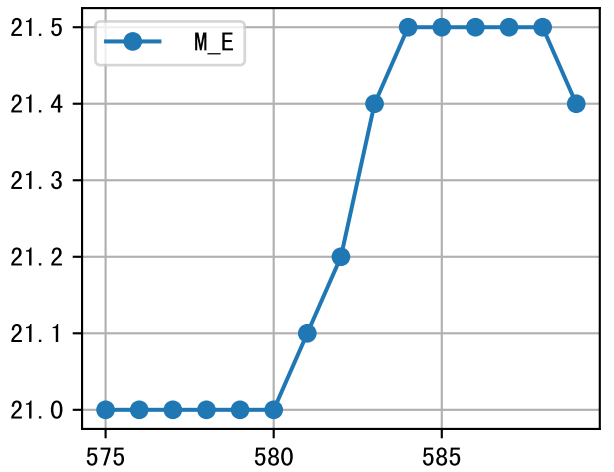
large discrepency for begining water status (83:255.0), set to 83 ml.
昨天进回液EC数据缺失.
进回液EC差(2199.0 vs 4633.0)过高
昨天灌溉进排液EC/PH值缺失，可能影响模型决策

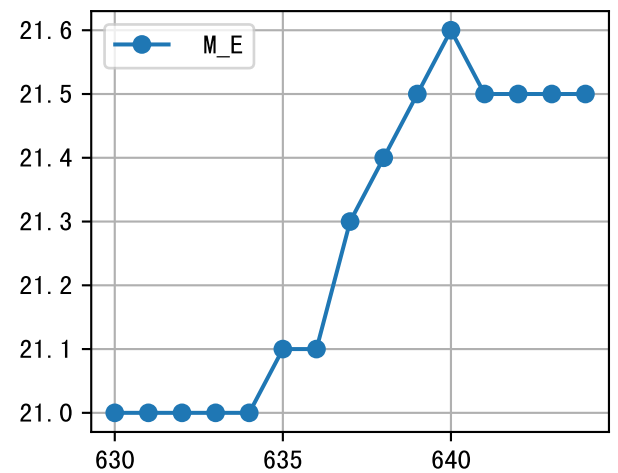
P3_0, Day=66 (2025-06-10)

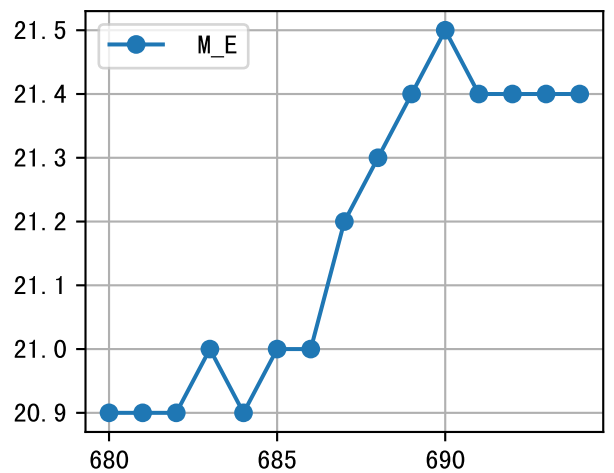

M_E
22.0
21.5
21.0
600
800
1000

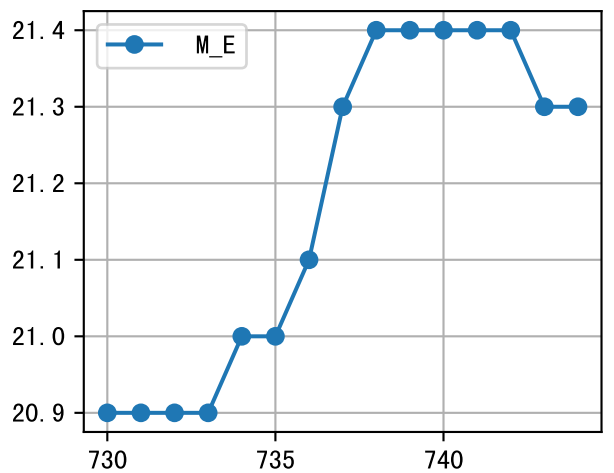

m=470, FV0=0
M_E
21.8
21.6
21.4
21.2
470
475
480

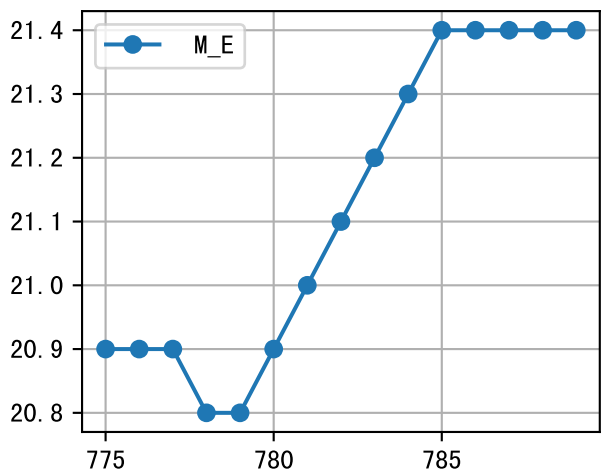

m=525, FV0=0
M_E
21.7
21.6
21.5
21.4
21.3
21.2
21.1
525
530
535

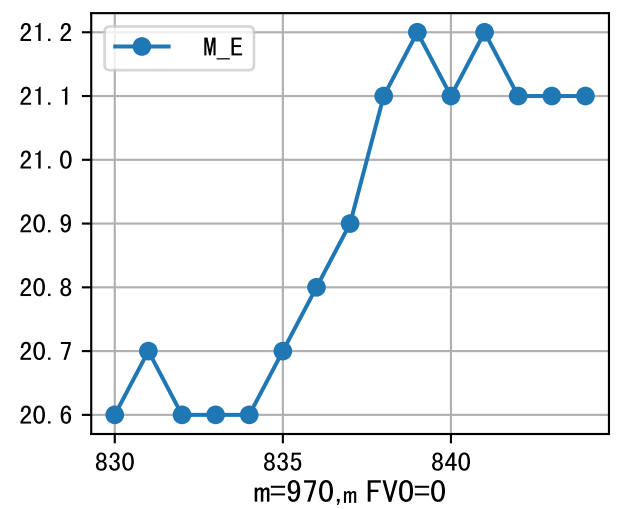

m=575, FV0=0
M_E
21.5
21.4
21.3
21.2
21.1
21.0
575
580
585

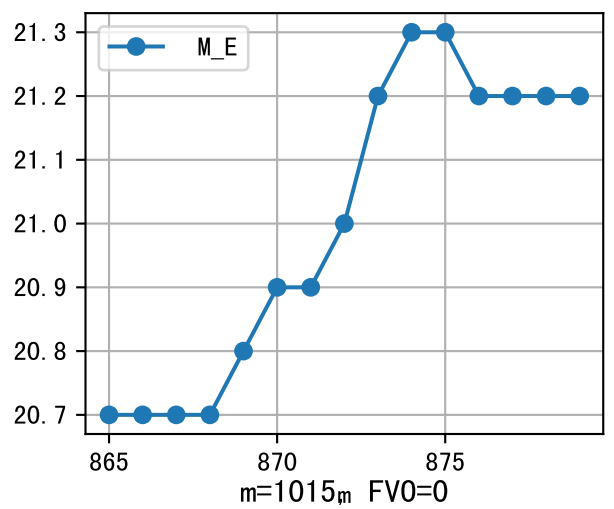

m=630,m FV0=0
M_E
21.6
21.5
21.4
21.3
21.2
21.1
21.0
630
635
640

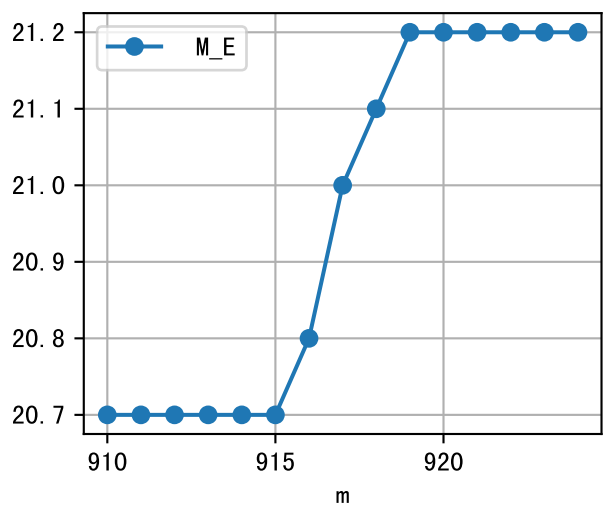

m=680,m FV0=0
M_E
21.5
21.4
21.3
21.2
21.1
21.0
20.9
680
685
690

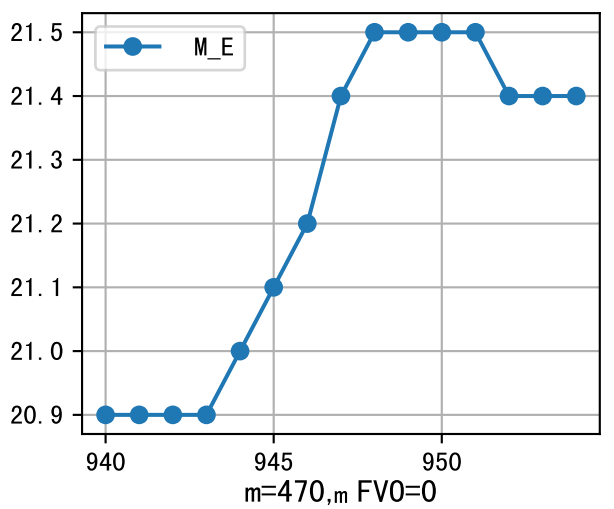

m=730,m FV0=0
M_E
21.4
21.3
21.2
21.1
21.0
20.9
730
735
740

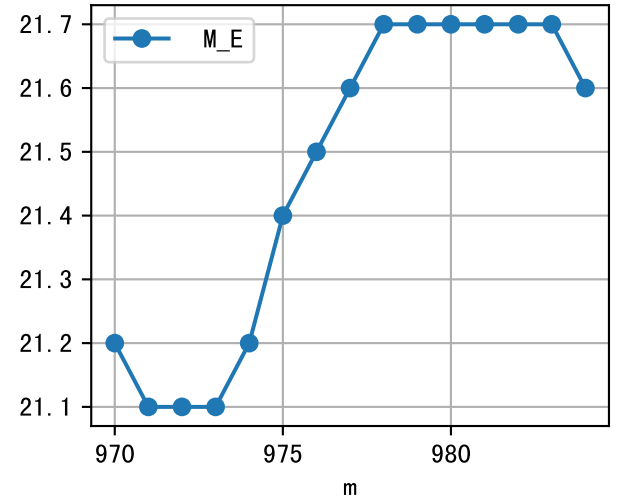

m=775,m FV0=0
M_E
21.4
21.3
21.2
21.1
21.0
20.9
20.8
775
780
785

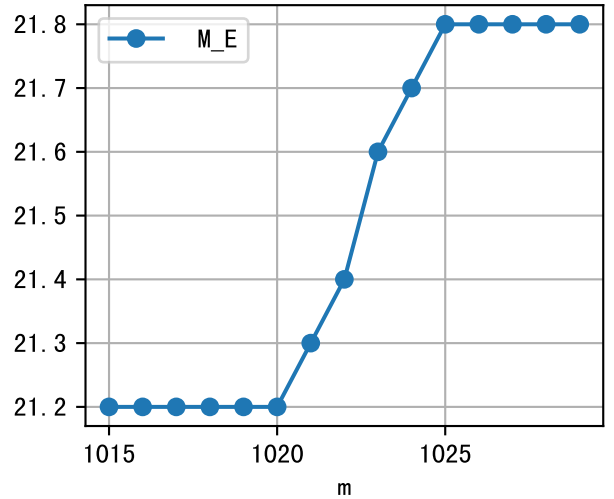

M_E
21.2
21.1
21.0
20.9
20.8
20.7
20.6
830
835
840
m=830,m FV0=0

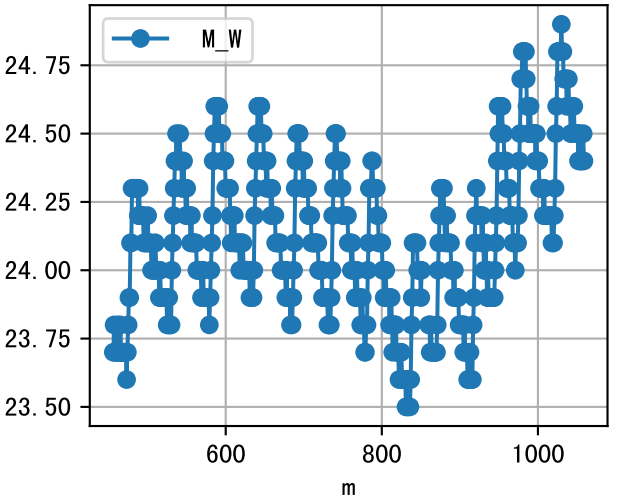

M_E
21.3
21.2
21.1
21.0
20.9
20.8
20.7
865
870
875
m=865,m FV0=0

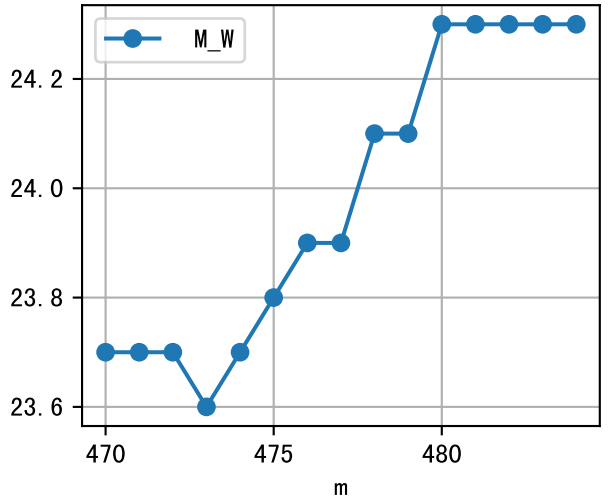

M_E
21.2
21.1
21.0
20.9
20.8
20.7
910
915
920
m
m=910,m FV0=0

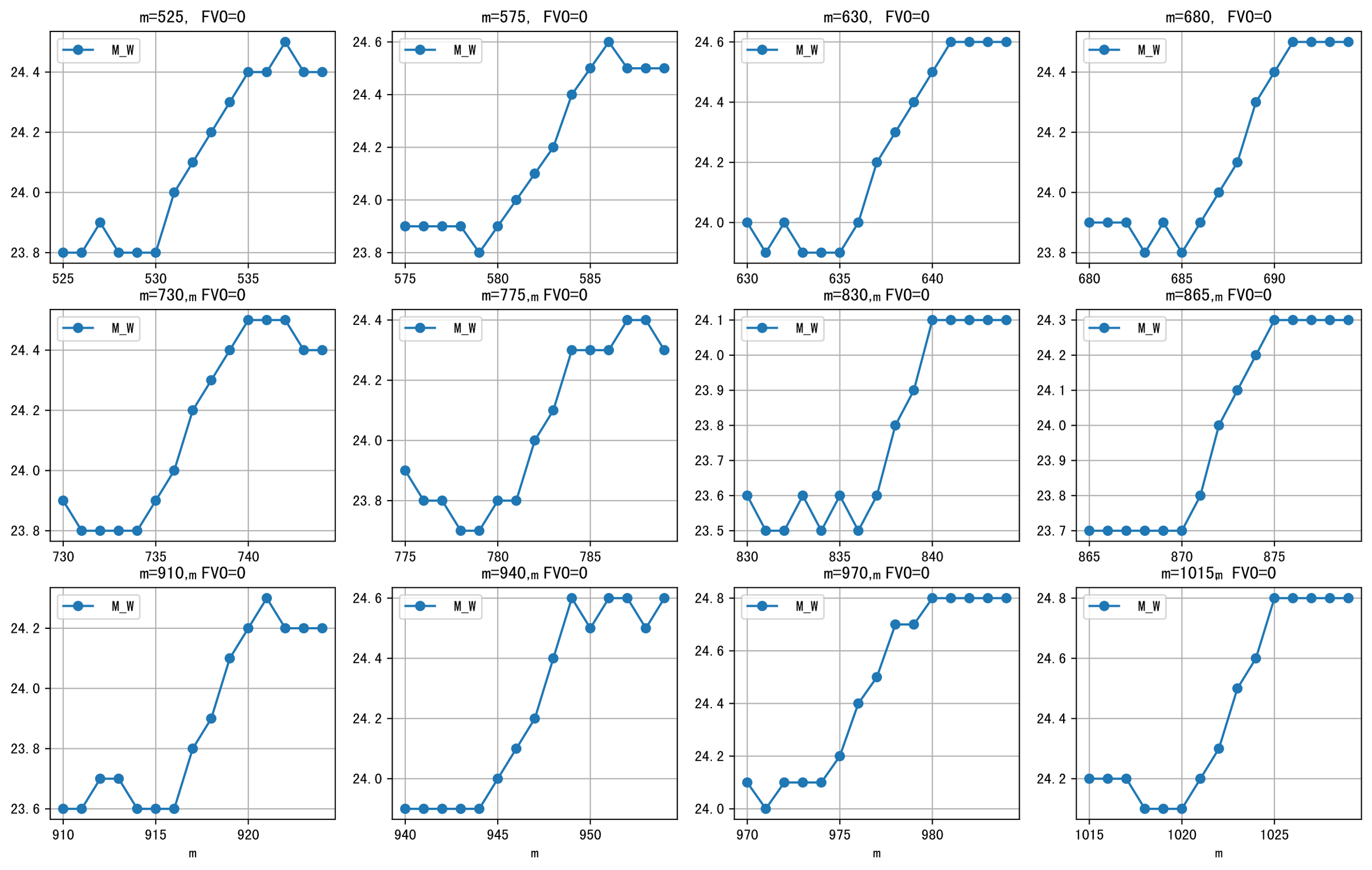

M_E
21.5
21.4
21.3
21.2
21.1
21.0
20.9
940
945
950
m=940,m FV0=0

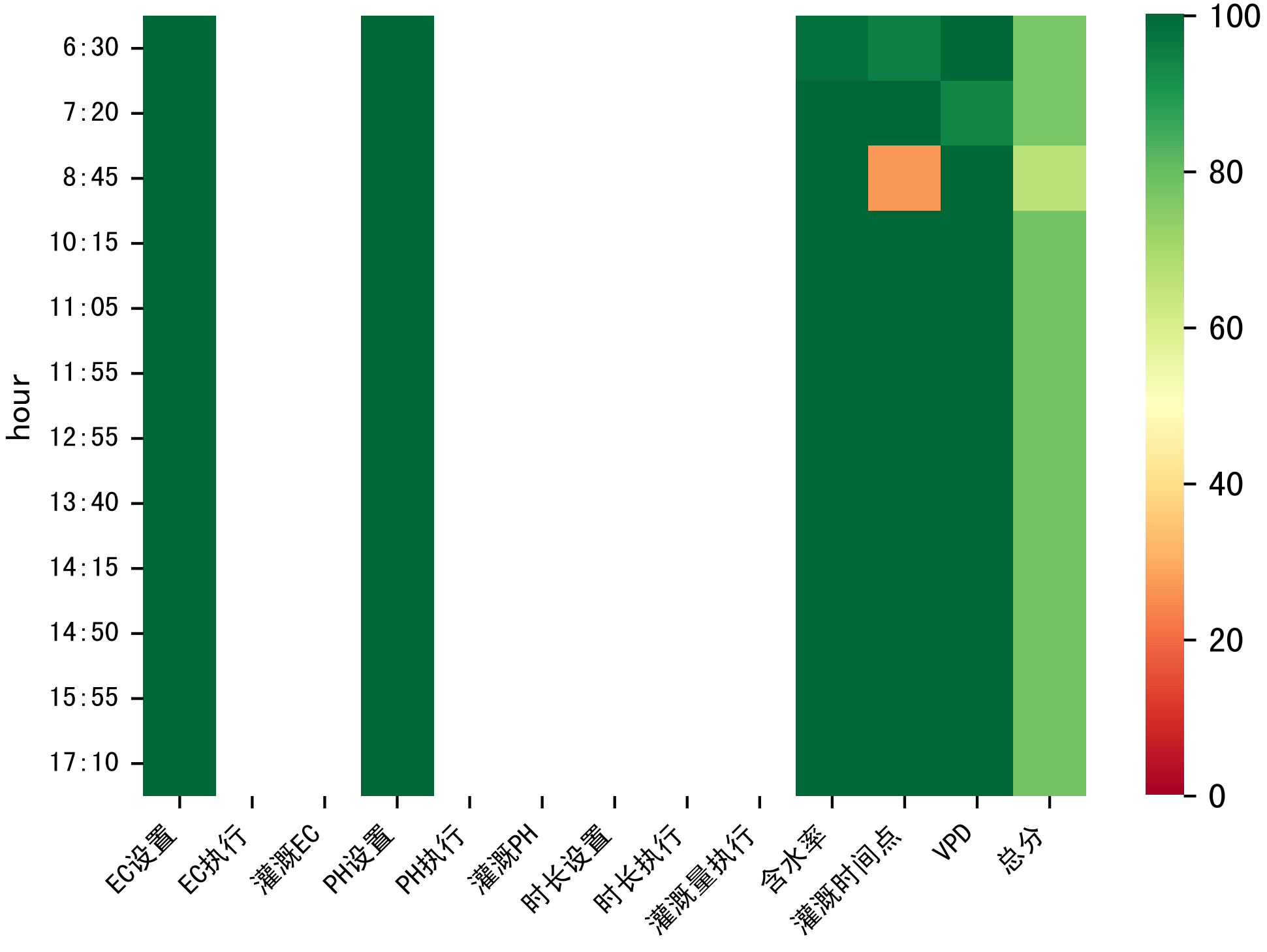

M_E
21.7
21.6
21.5
21.4
21.3
21.2
21.1
970
975
980
m
m=970,m FV0=0


M_E
21.8
21.7
21.6
21.5
21.4
21.3
21.2
1015
1020
1025
m
m=1015m FV0=0


M_W
24.75
24.50
24.25
24.00
23.75
23.50
600
800
1000
m
m=1000,m FV0=0


M_W
24.2
24.0
23.8
23.6
470
475
480
m
m=470,m FV0=0

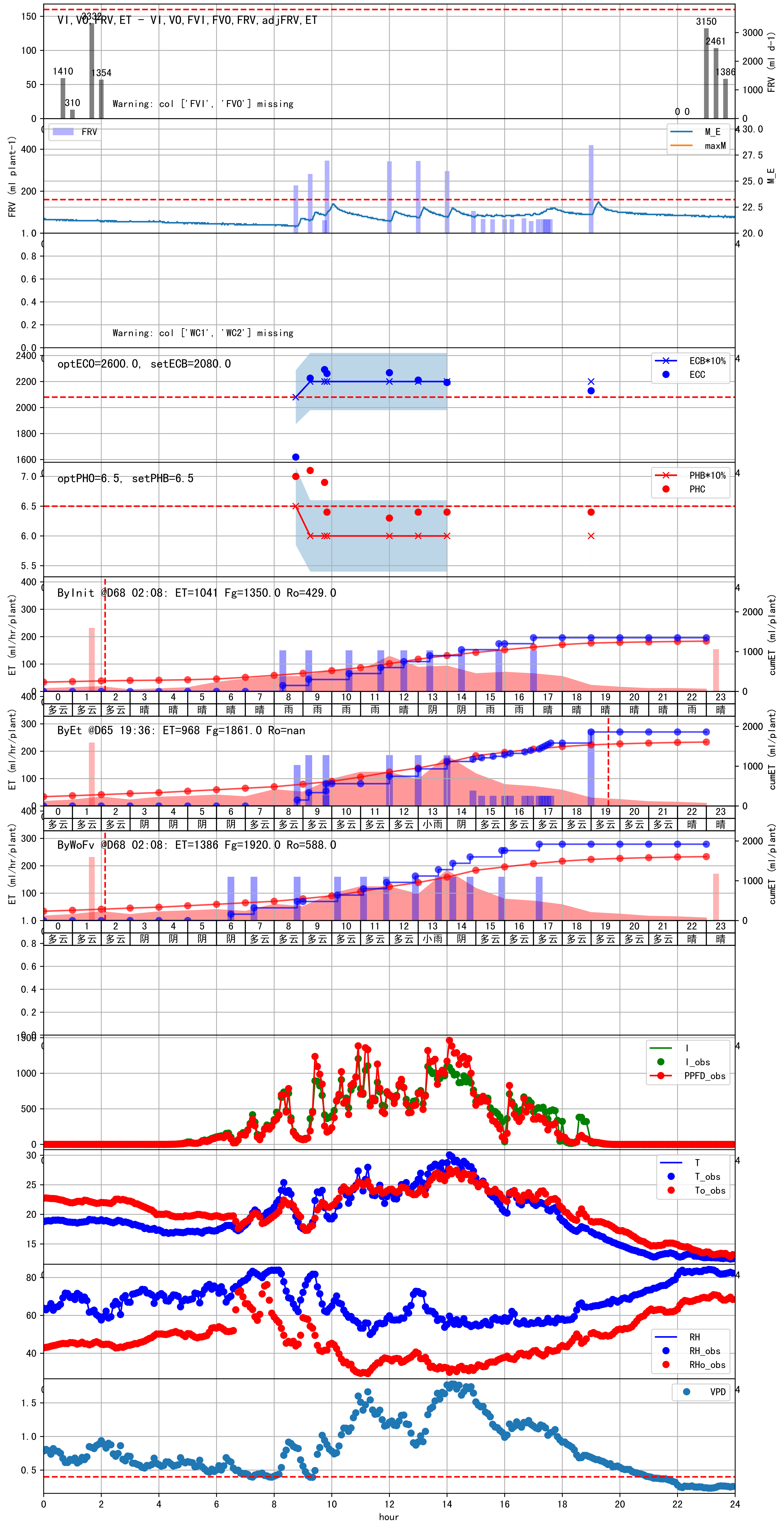

m=525, FV0=0
m=575, FV0=0
m=630, FV0=0
m=680, FV0=0
m=730,m FV0=0
m=775,m FV0=0
m=830,m FV0=0
m=865,m FV0=0
m=910,m FV0=0
m=940,m FV0=0
m=970,m FV0=0
m=1015m FV0=0
M_W
m

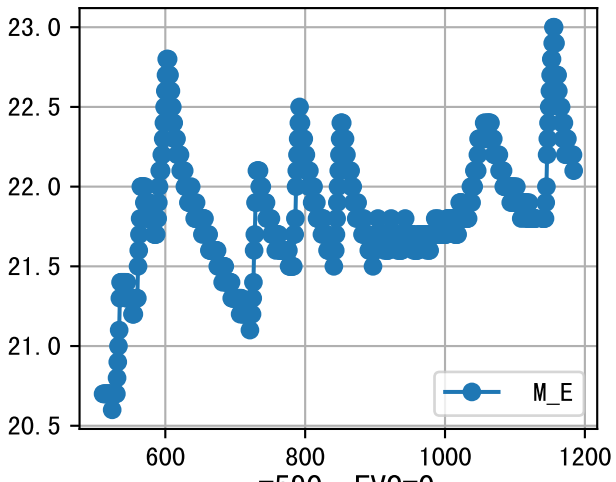

hour
6:30
7:20
8:45
10:15
11:05
11:55
12:55
13:40
14:15
14:50
15:55
17:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

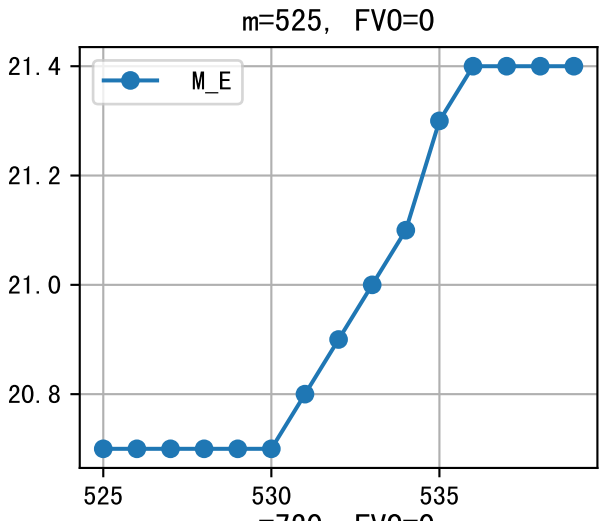
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:30	484	160.0	0.633	阴	假设@06:30 自动（未用传感器）
07:20	484	160.0	0.633	多云	假设@07:20 自动（未用传感器）
08:45	484	160.0	0.633	多云	假设@08:45 自动（未用传感器）
10:15	484	160.0	0.633	多云	假设@10:15 自动（未用传感器）
11:05	484	160.0	0.633	多云	假设@11:05 自动（未用传感器）
11:55	484	160.0	0.633	多云	假设@11:55 自动（未用传感器）
12:55	484	160.0	0.633	多云	假设@12:55 自动（未用传感器）
13:40	484	160.0	0.633	小雨	假设@13:40 自动（未用传感器）
14:15	484	160.0	0.633	阴	假设@14:15 自动（未用传感器）
14:50	484	160.0	0.633	阴	假设@14:50 自动（未用传感器）
15:55	484	160.0	0.633	多云	假设@15:55 自动（未用传感器）
17:10	484	160.0	0.633	多云	假设@17:10 自动（未用传感器）
总计	5808.0 (12次)	1920.0			建议进液EC：2080.0， PH：6.5

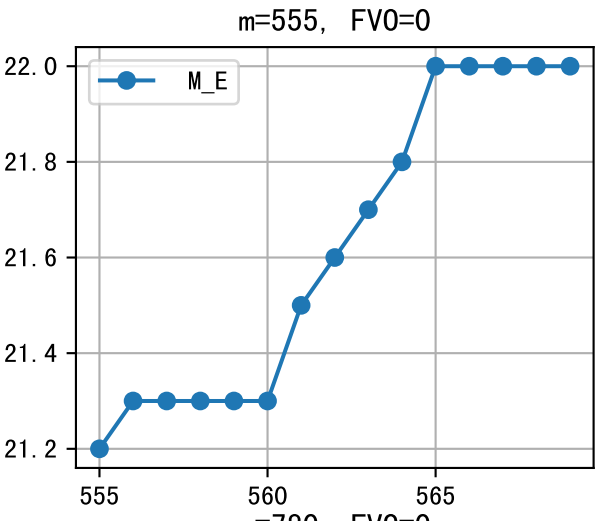
上次灌溉时长未按模型建议(900 vs 390.0))
默认实际灌溉369.0 ml.
进回液EC差(2207.0 vs 4458.0)过高

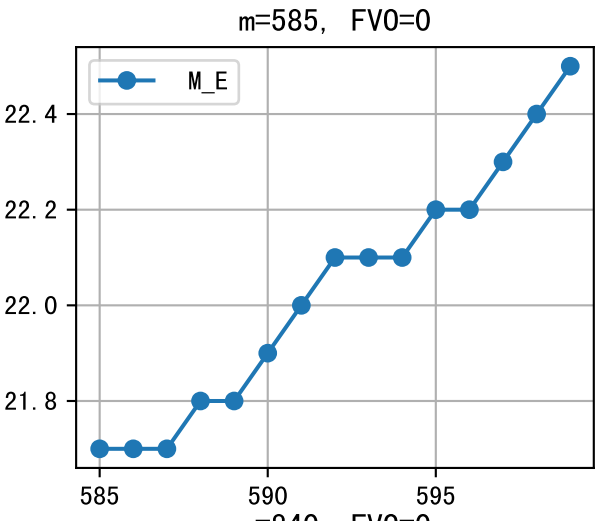
P3_0, Day=65 (2025-06-09)

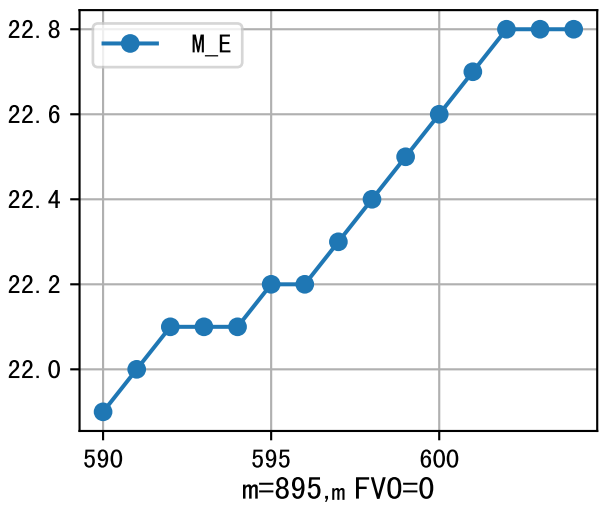


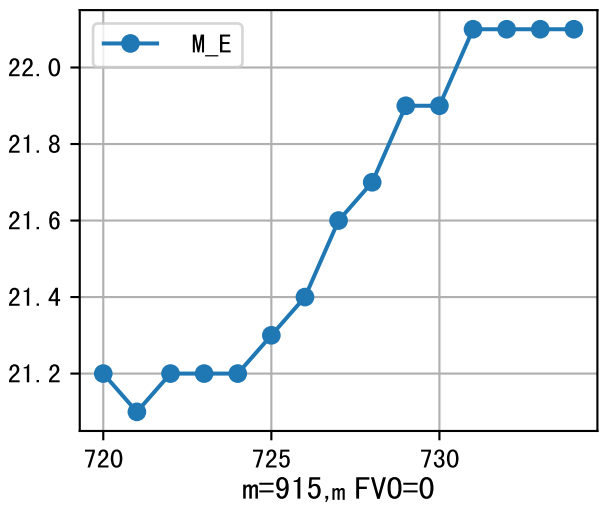

M_E

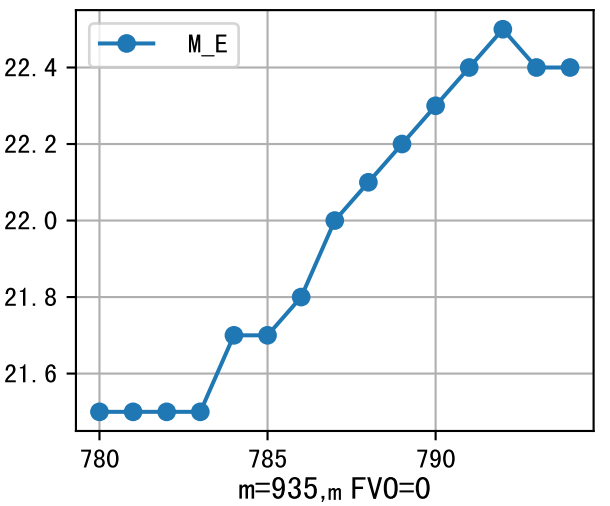

m=525, FV0=0
M_E

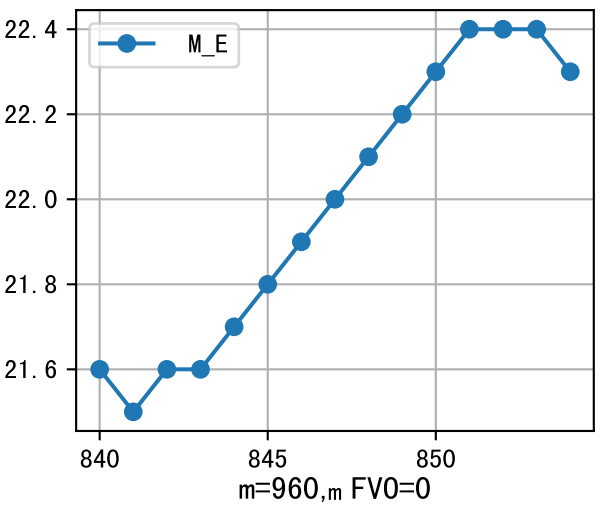

m=555, FV0=0
M_E

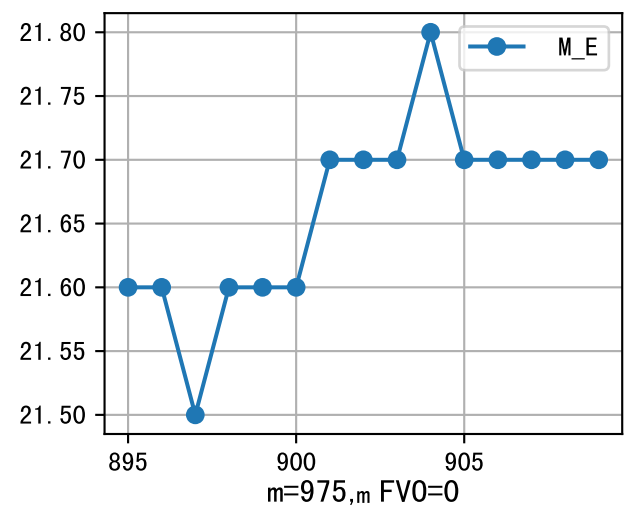

m=585, FV0=0
M_E

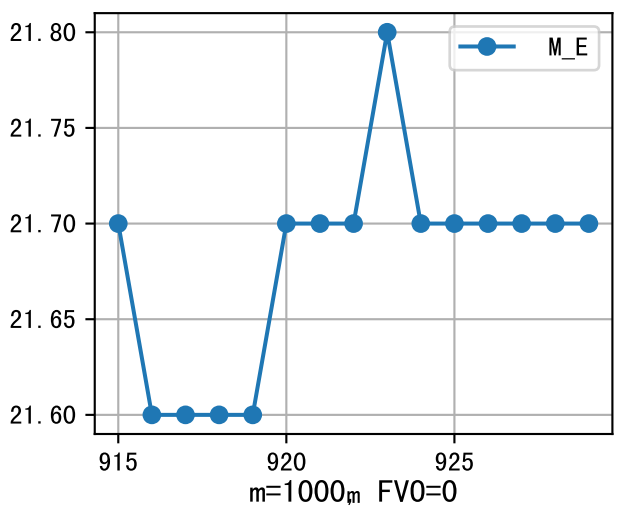

m=590,m FV0=0
M_E

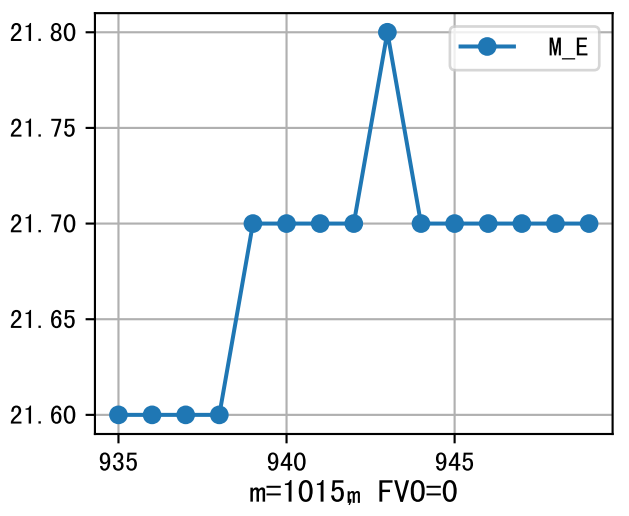

m=720,m FV0=0
M_E

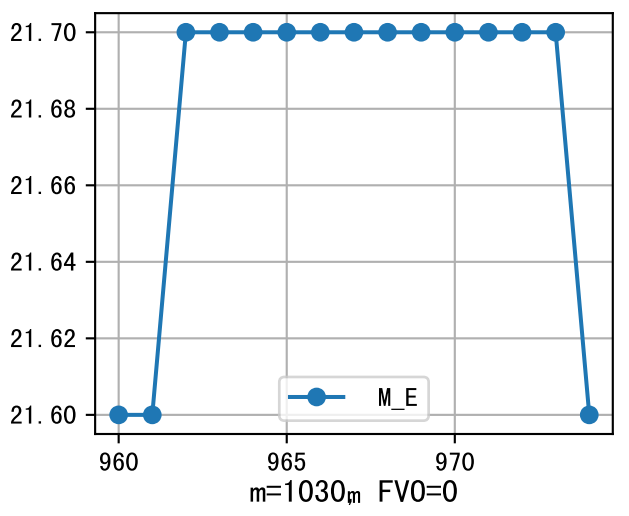

m=780,m FV0=0
M_E

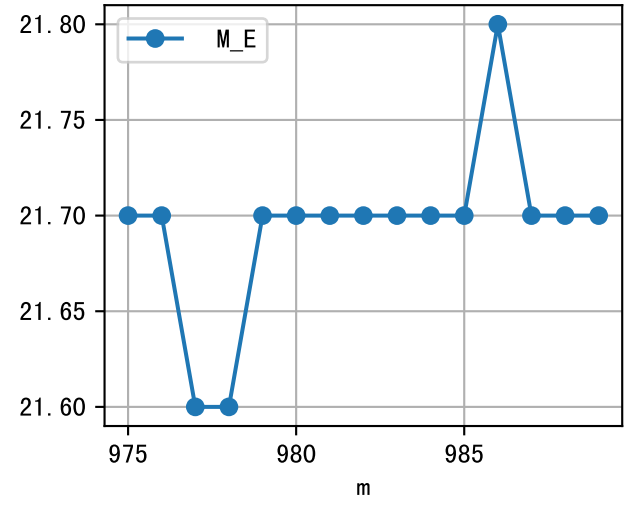

m=840,m FV0=0
M_E

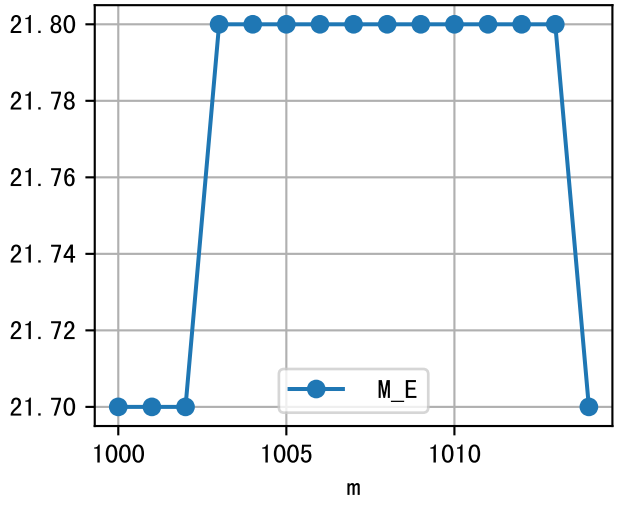

m=895,m FV0=0
M_E

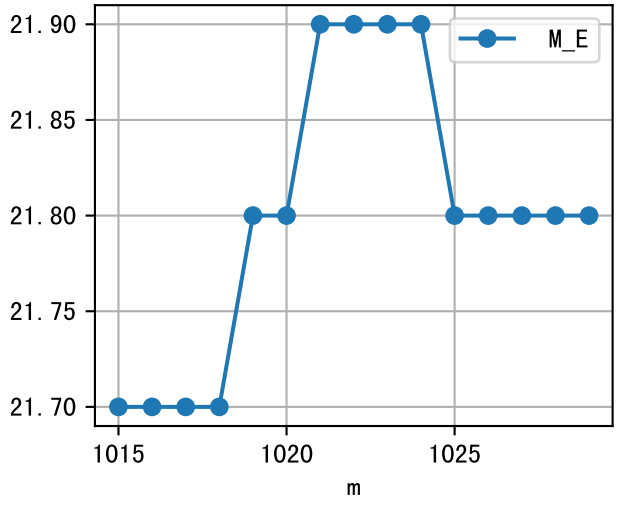

m=915,m FV0=0
M_E

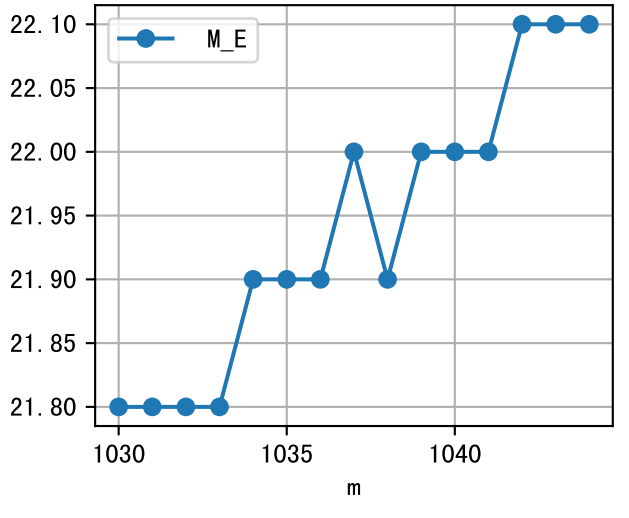

m=935,m FV0=0
M_E


m=960,m FV0=0
M_E

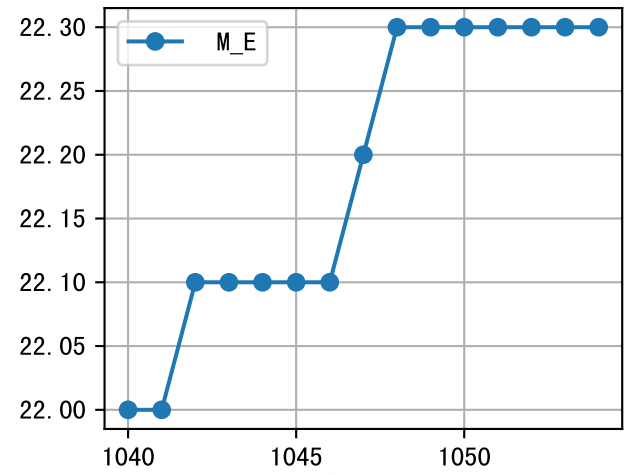

m=975,m FV0=0
M_E
m


m=1000m FV0=0
M_E
m

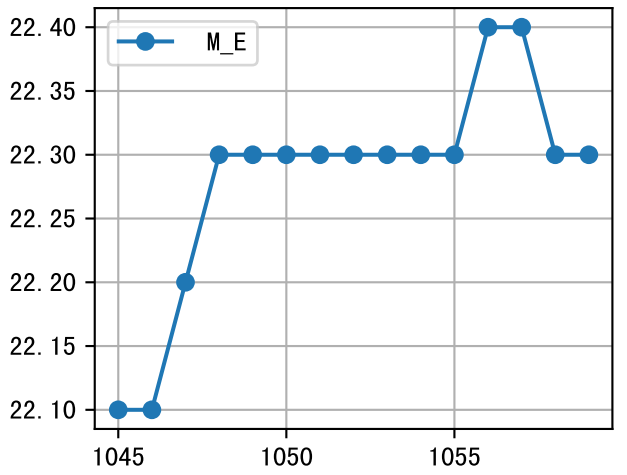

m=1015m FV0=0
M_E
m


m=1030m FV0=0
M_E
m

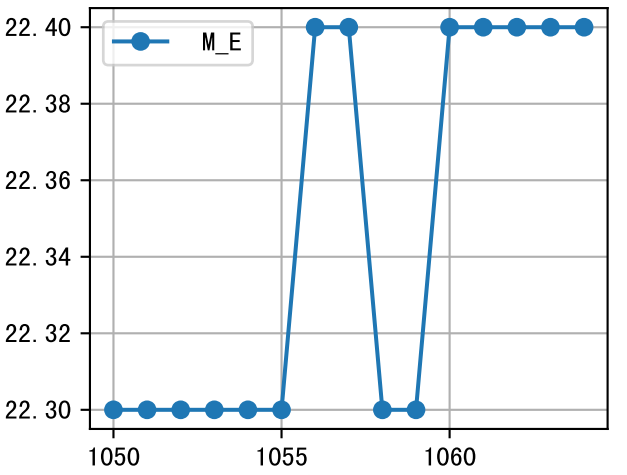
m=1040, FV0=0



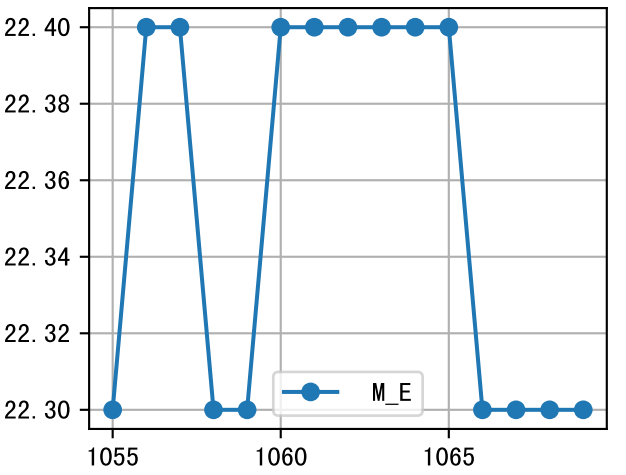
m=1045, FV0=0



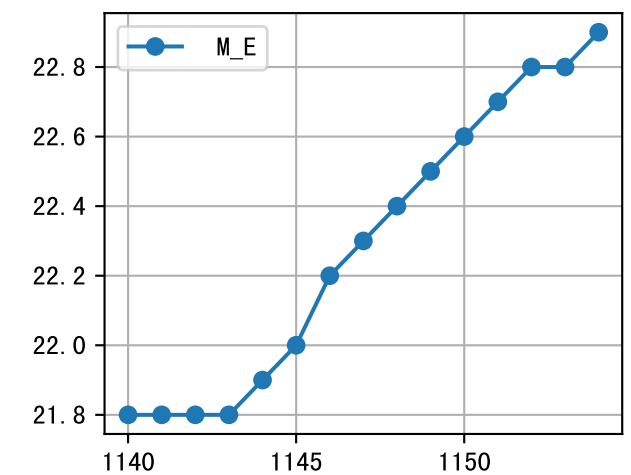
m=1050, FV0=0



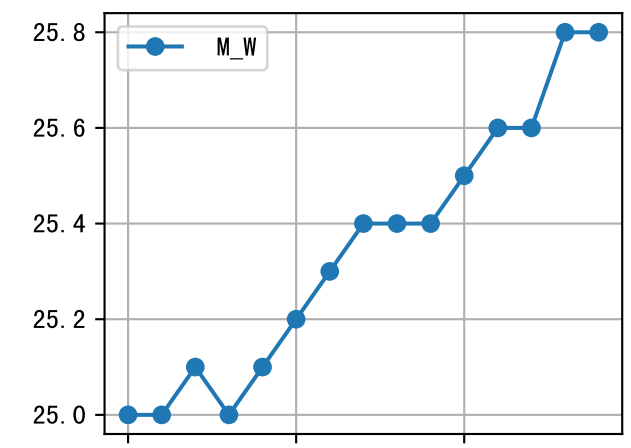
m=1055, FV0=0



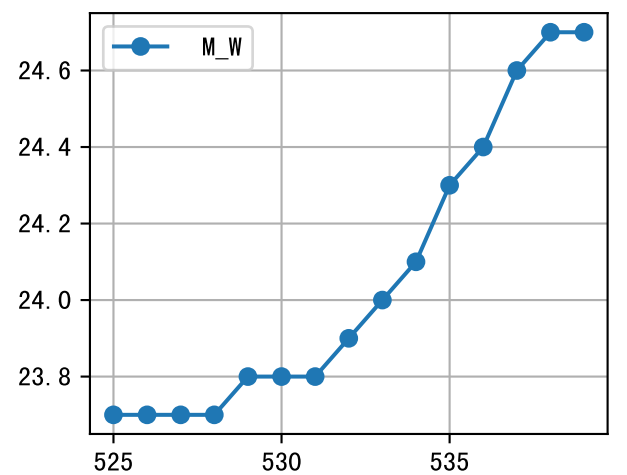
m=1140m FV0=0



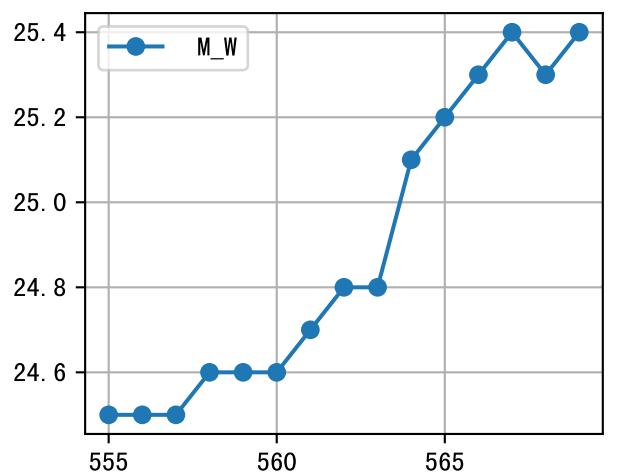
m=585,m FV0=0



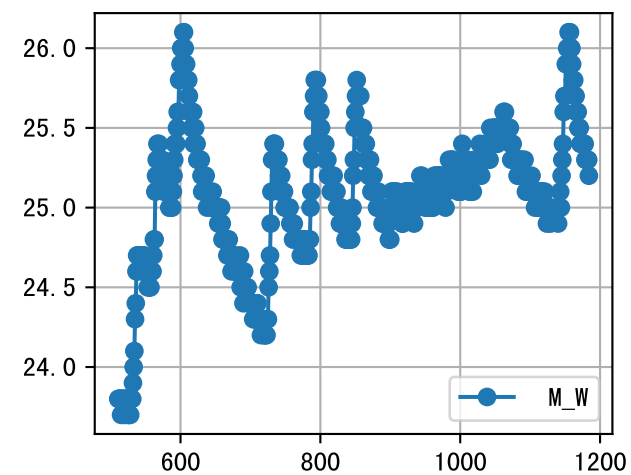
m=525,m FV0=0



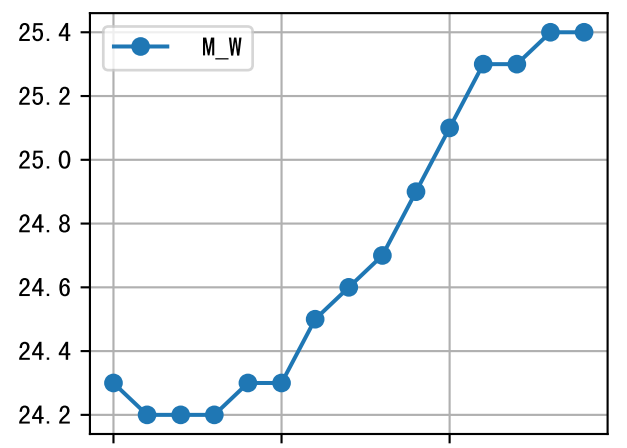
m=555,m FV0=0



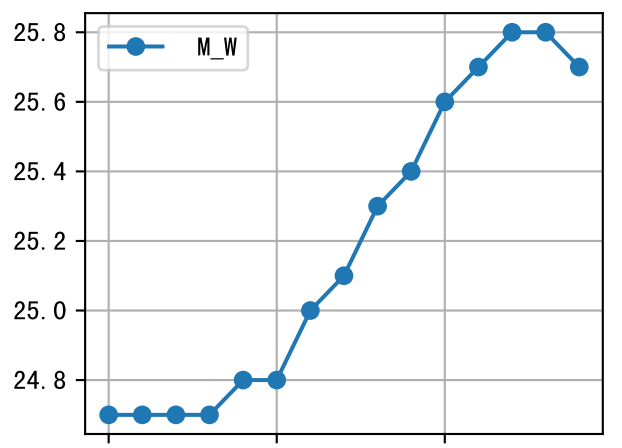
m=590,m FV0=0



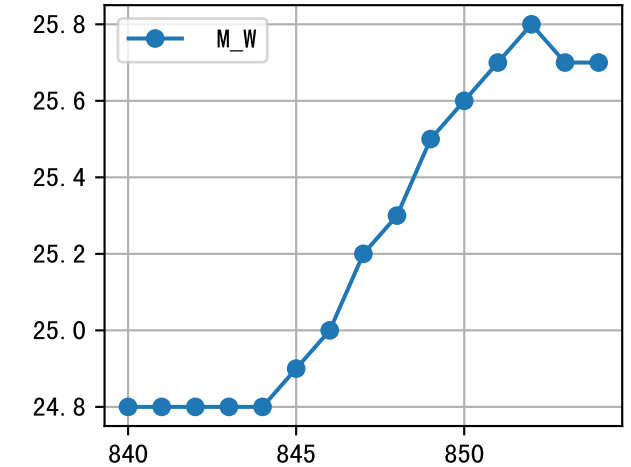
m=720,m FV0=0



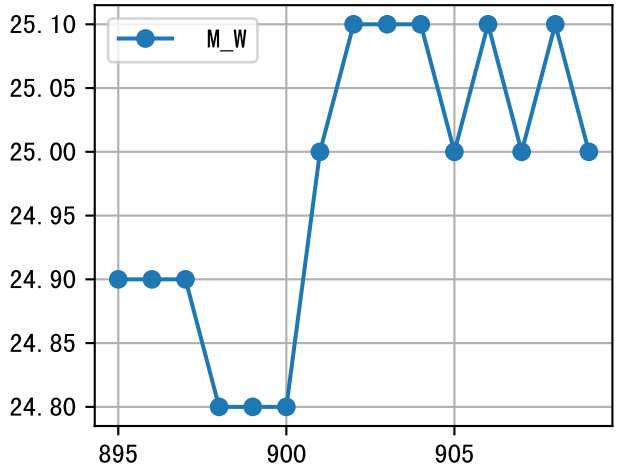
m=780,m FV0=0



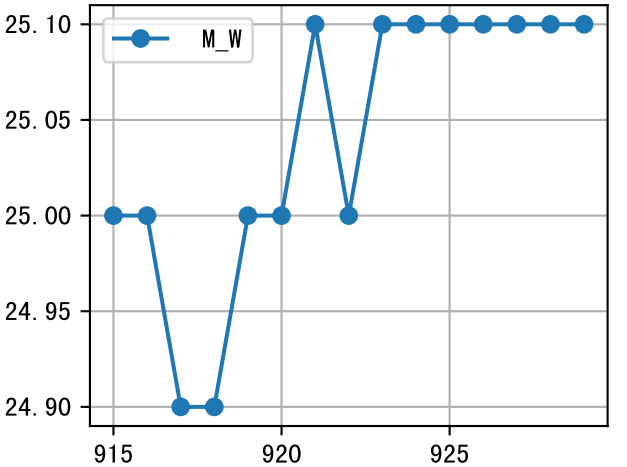
m=840,m FV0=0



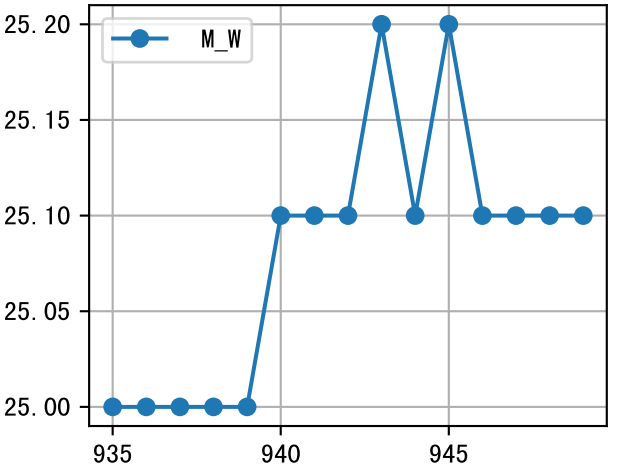
m=895,m FV0=0

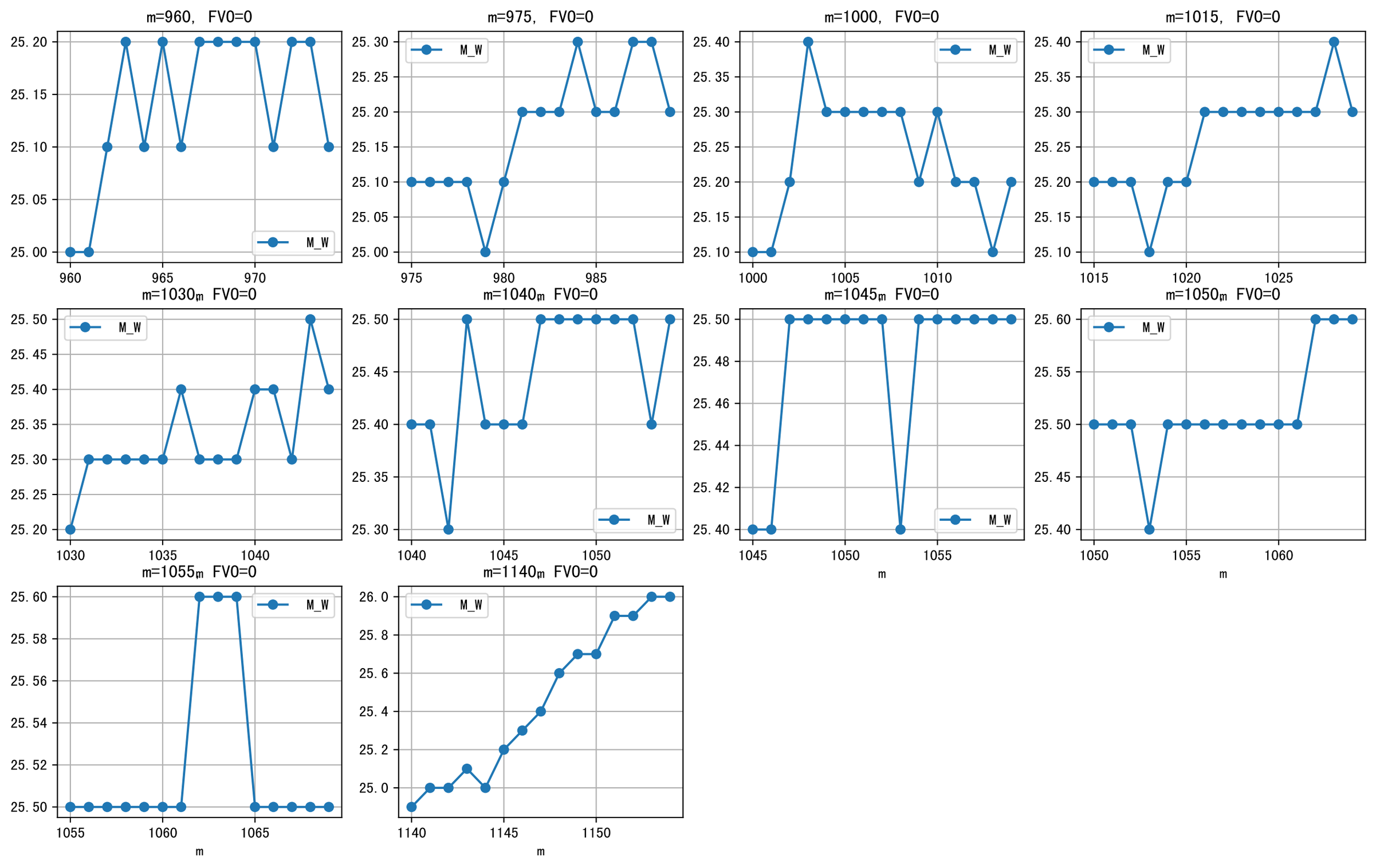


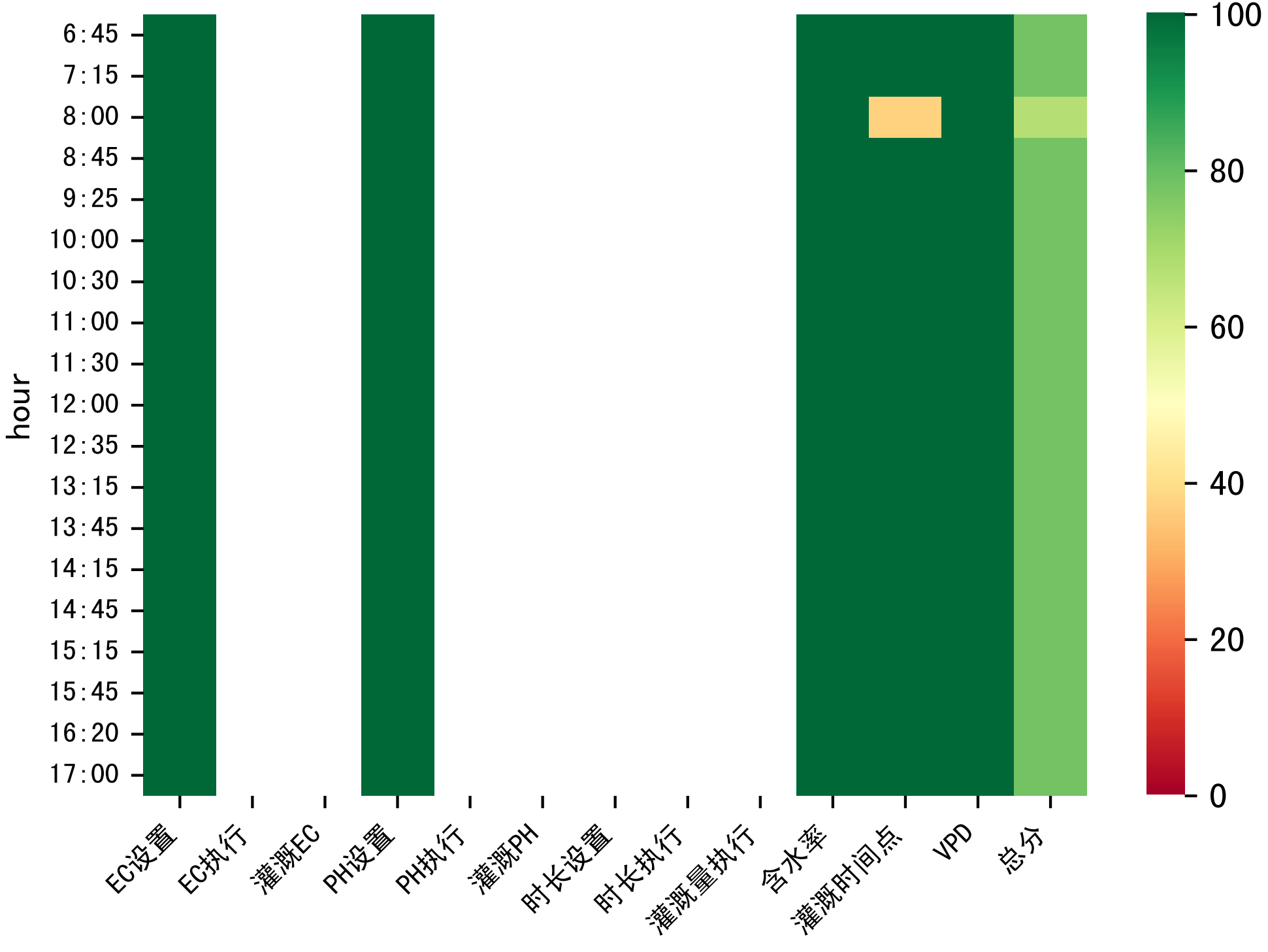
m=915,m FV0=0



m=935,m FV0=0



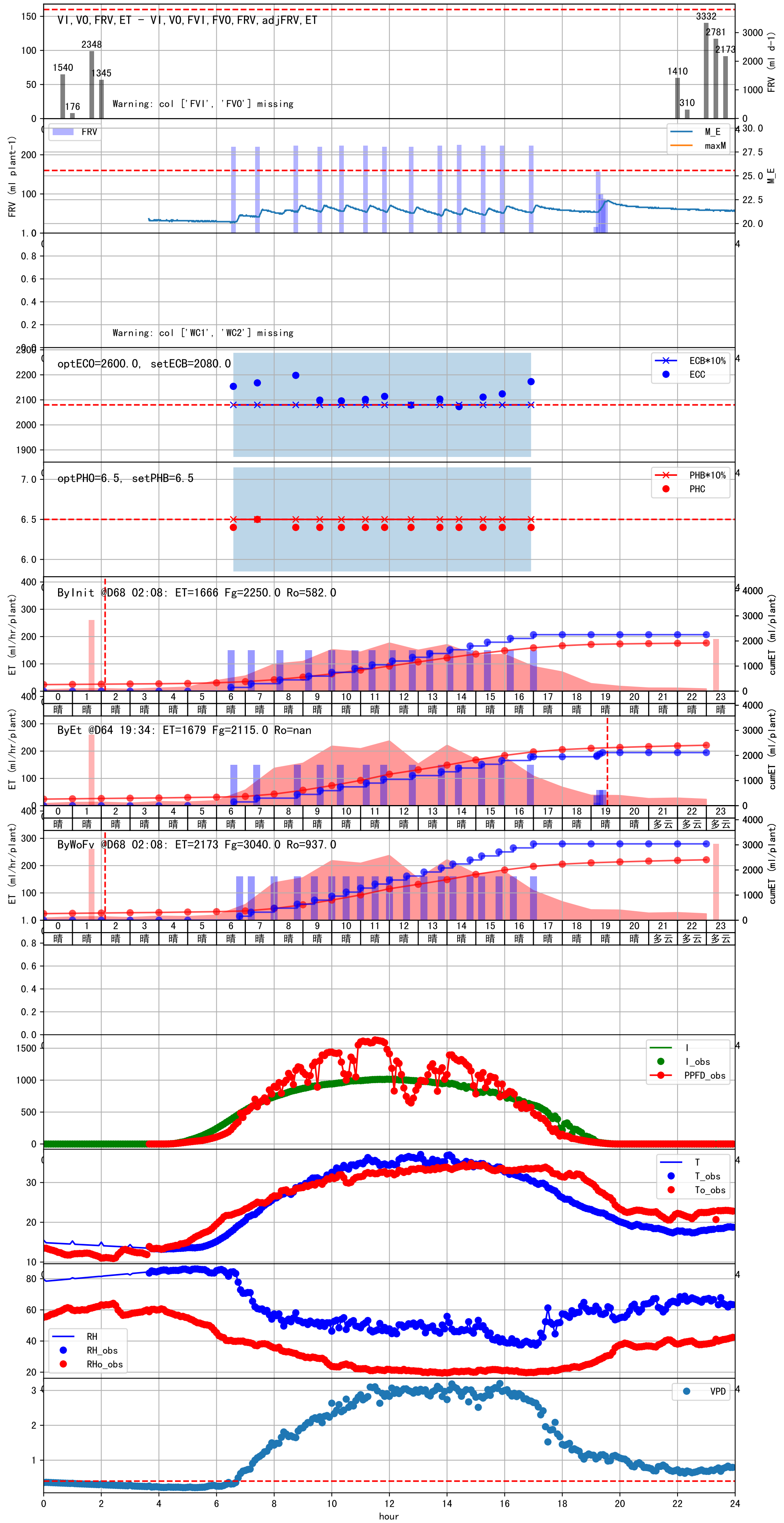

m=960, FV0=0
m=975, FV0=0
m=1000, FV0=0
m=1015, FV0=0
m=1030㎜ FV0=0
m=1040㎜ FV0=0
m=1045㎜ FV0=0
m=1050㎜ FV0=0
m=1055㎜ FV0=0
m=1140㎜ FV0=0
M_W
m

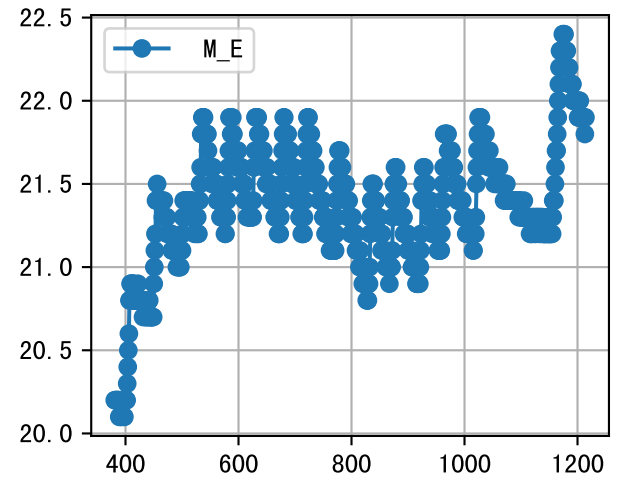

hour
6:45
7:15
8:00
8:45
9:25
10:00
10:30
11:00
11:30
12:00
12:35
13:15
13:45
14:15
14:45
15:15
15:45
16:20
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

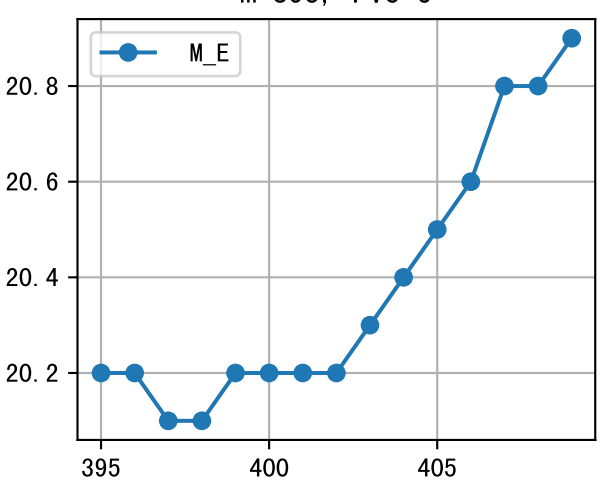
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:45	469	160.0	0.633	晴	假设@06:45 自动（未用传感器）
07:15	469	160.0	0.633	晴	假设@07:15 自动（未用传感器）
08:00	469	160.0	0.633	晴	假设@08:00 自动（未用传感器）
08:45	469	160.0	0.633	晴	假设@08:45 自动（未用传感器）
09:25	469	160.0	0.633	晴	假设@09:25 自动（未用传感器）
10:00	469	160.0	0.633	晴	假设@10:00 自动（未用传感器）
10:30	469	160.0	0.633	晴	假设@10:30 自动（未用传感器）
11:00	469	160.0	0.633	晴	假设@11:00 自动（未用传感器）
11:30	469	160.0	0.633	晴	假设@11:30 自动（未用传感器）
12:00	469	160.0	0.633	晴	假设@12:00 自动（未用传感器）
12:35	469	160.0	0.633	晴	假设@12:35 自动（未用传感器）
13:15	469	160.0	0.633	晴	假设@13:15 自动（未用传感器）
13:45	469	160.0	0.633	晴	假设@13:45 自动（未用传感器）
14:15	469	160.0	0.633	晴	假设@14:15 自动（未用传感器）
14:45	469	160.0	0.633	晴	假设@14:45 自动（未用传感器）
15:15	469	160.0	0.633	晴	假设@15:15 自动（未用传感器）
15:45	469	160.0	0.633	晴	假设@15:45 自动（未用传感器）
16:20	469	160.0	0.633	晴	假设@16:20 自动（未用传感器）
17:00	469	160.0	0.633	晴	假设@17:00 自动（未用传感器）
总计	8911.0 (19次)	3040.0			建议进液EC：2080.0， PH：6.5

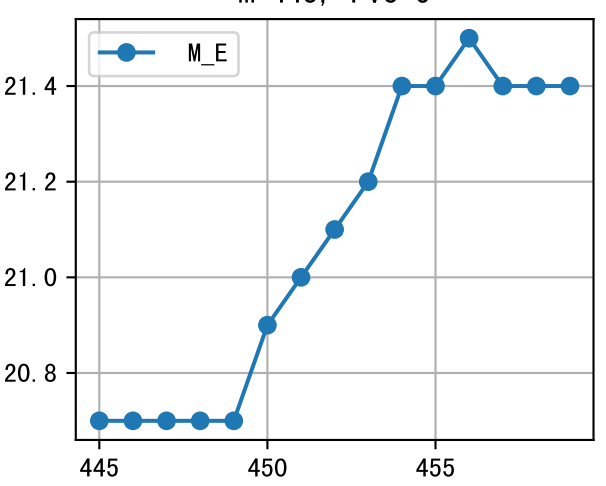
上次灌溉时长未按模型建议(180 vs 390.0))
默认实际灌溉74.0 ml.
进回液EC差(2193.0 vs 4228.0)过高

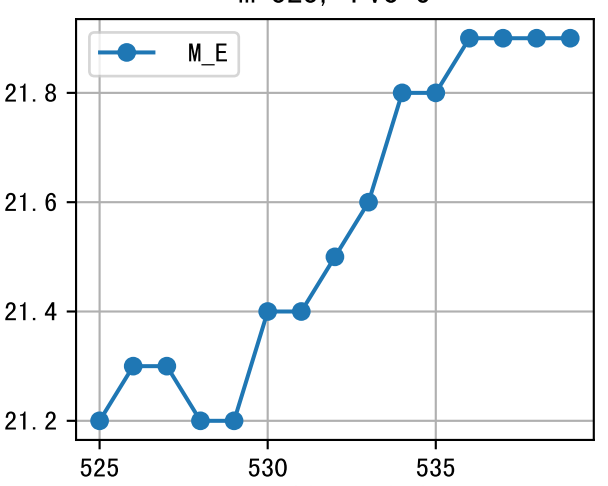
P3_0, Day=64 (2025-06-08)

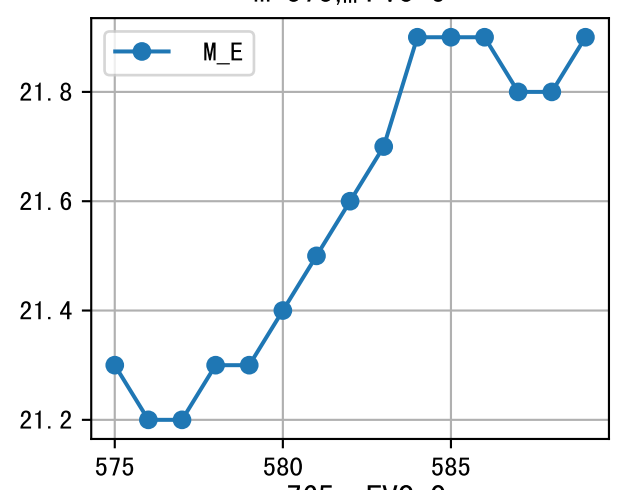


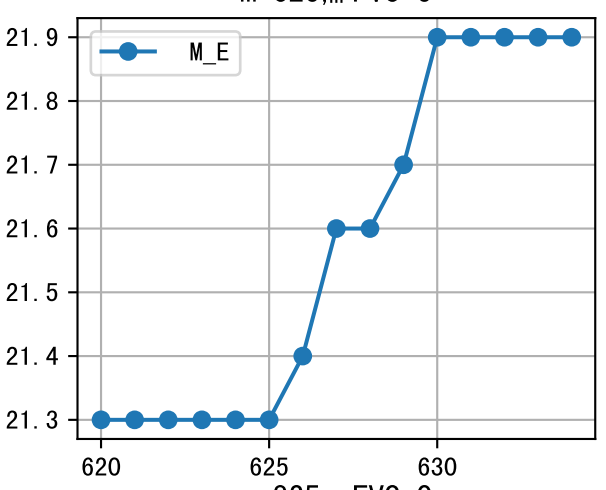

M_E
22.5
22.0
21.5
21.0
20.5
20.0
400
600
800
1000
1200

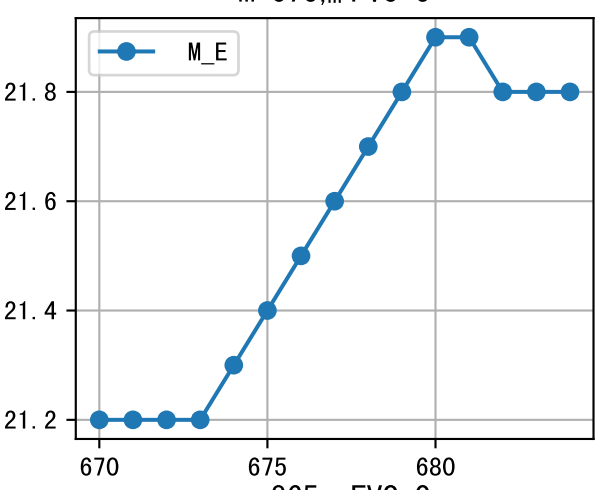

m=395, FV0=0
M_E
20.8
20.6
20.4
20.2
395
400
405

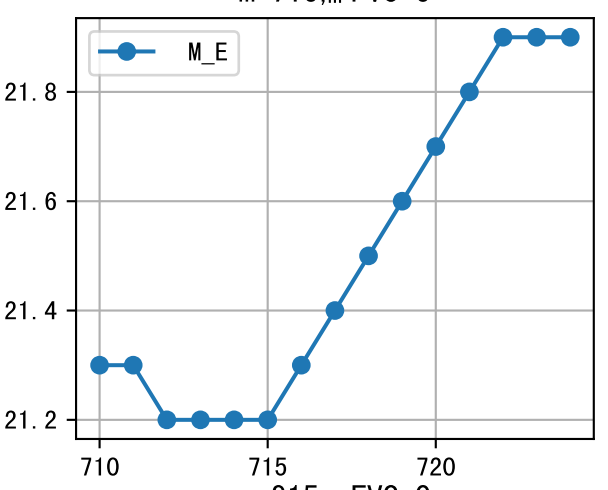

m=445, FV0=0
M_E
21.4
21.2
21.0
20.8
445
450
455

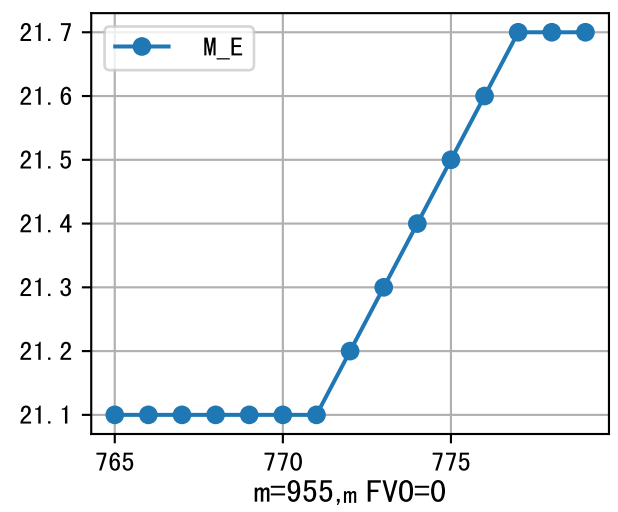

m=525, FV0=0
M_E
21.8
21.6
21.4
21.2
525
530
535

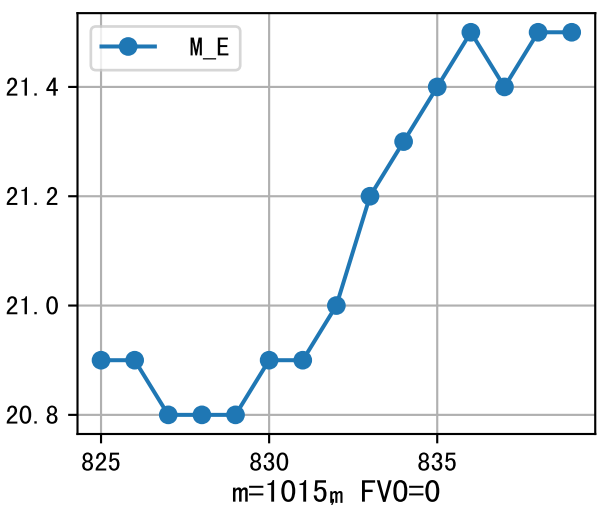

m=575,m FV0=0
M_E
21.8
21.6
21.4
21.2
575
580
585

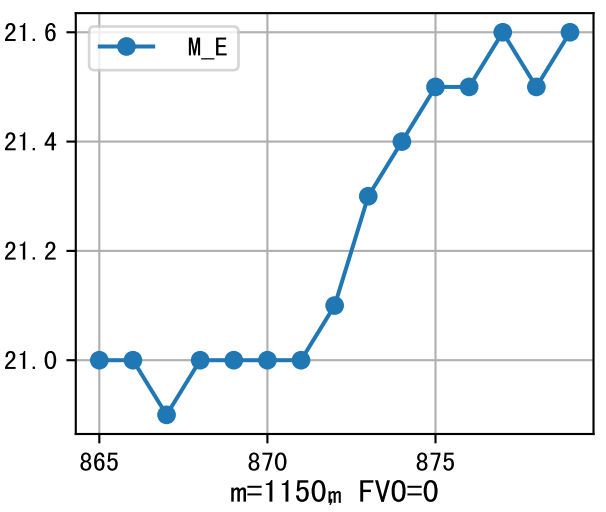

m=620,m FV0=0
M_E
21.9
21.8
21.7
21.6
21.5
21.4
21.3
620
625
630

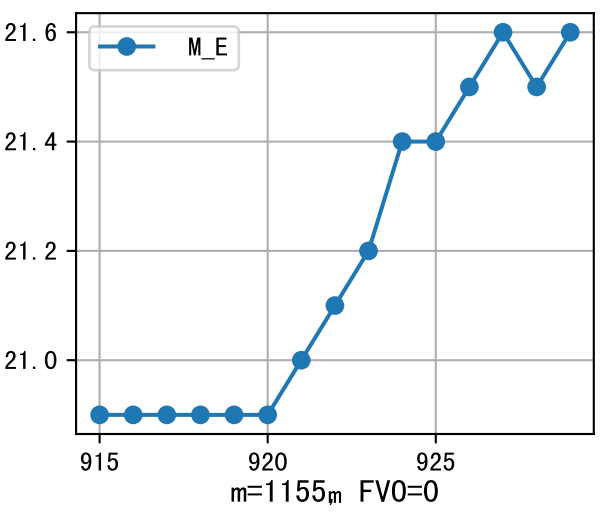

m=670,m FV0=0
M_E
21.8
21.6
21.4
21.2
670
675
680

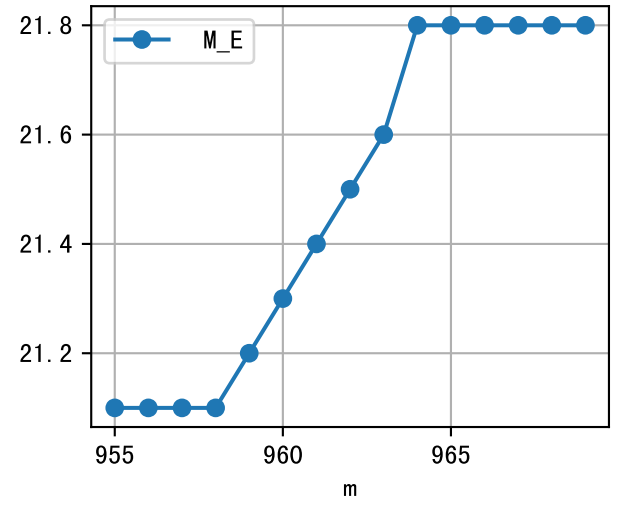

m=710,m FV0=0
M_E
21.8
21.6
21.4
21.2
710
715
720

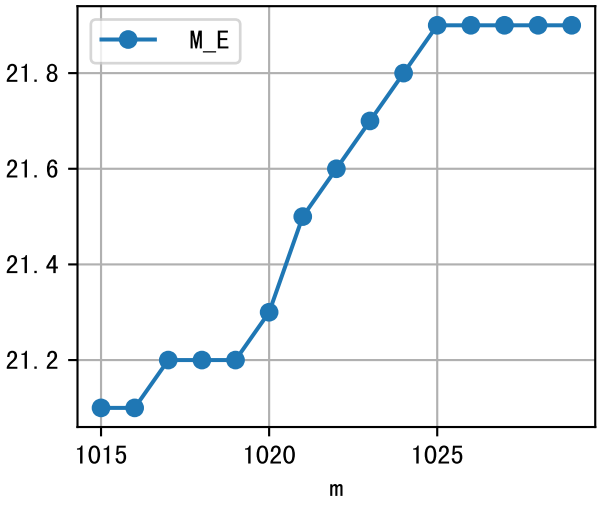

M_E
21.7
21.6
21.5
21.4
21.3
21.2
21.1
765
770
775
m=955,m FV0=0

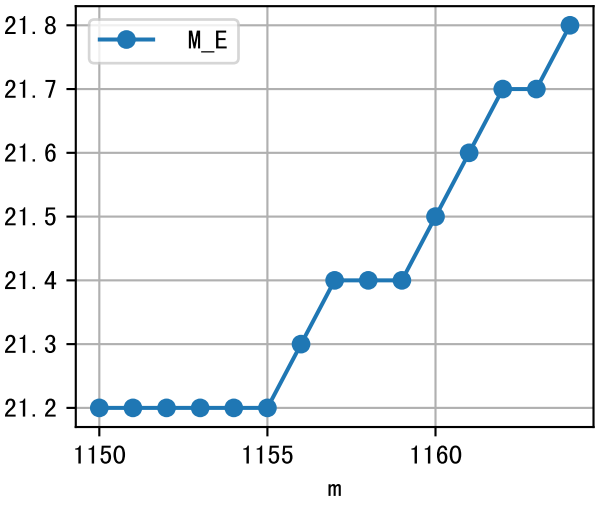

M_E
21.4
21.2
21.0
20.8
825
830
835
m=1015m FV0=0

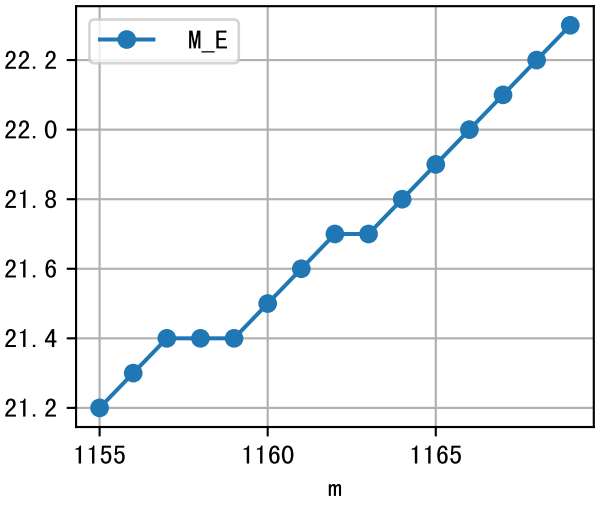

M_E
21.6
21.4
21.2
21.0
865
870
875
m=1150m FV0=0

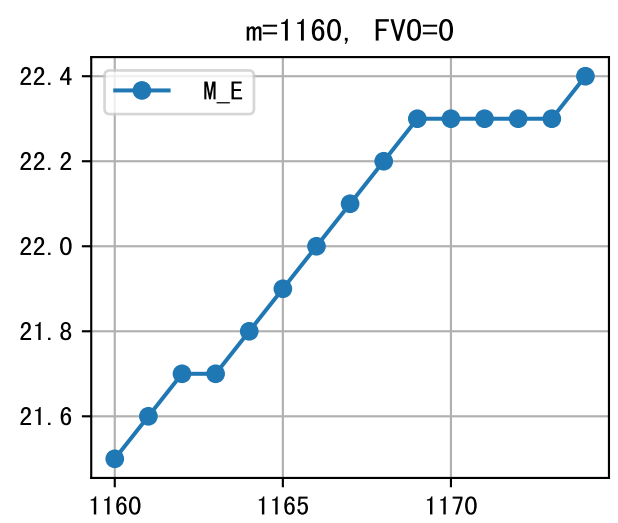

M_E
21.6
21.4
21.2
21.0
915
920
925
m=1155m FV0=0

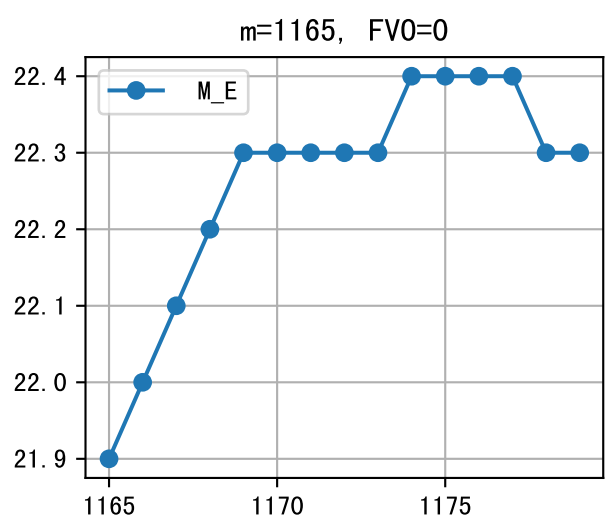

M_E
21.8
21.6
21.4
21.2
955
960
965
m

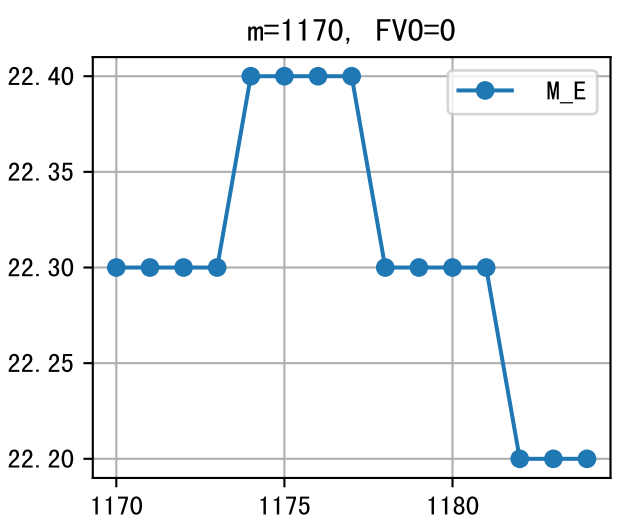

M_E
21.8
21.6
21.4
21.2
1015
1020
1025
m

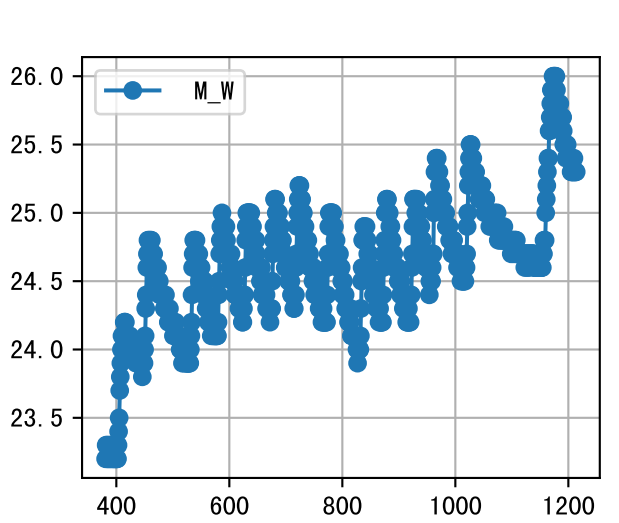

M_E
21.8
21.7
21.6
21.5
21.4
21.3
21.2
1150
1155
1160
m

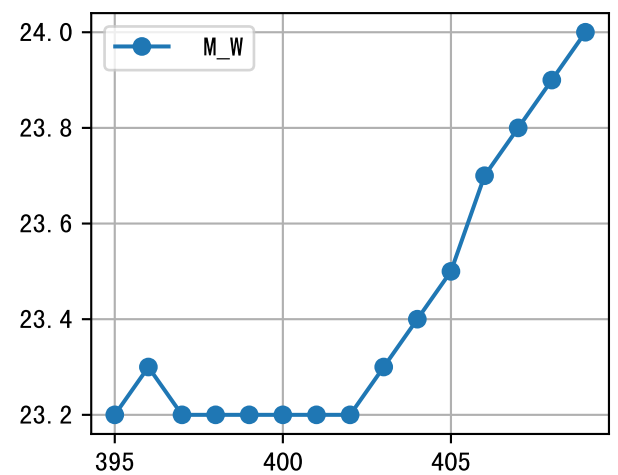

M_E
22.2
22.0
21.8
21.6
21.4
21.2
1155
1160
1165
m

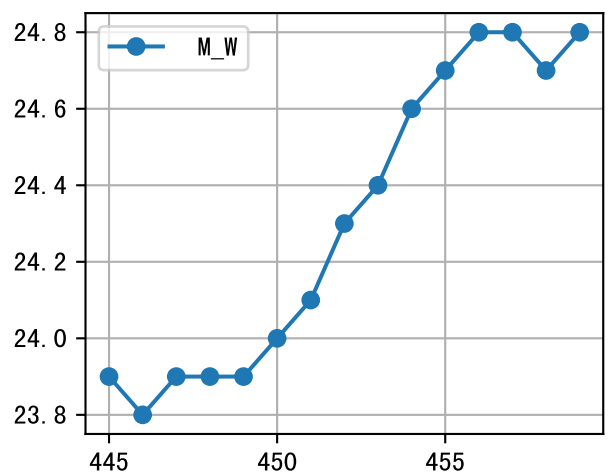

m=1160, FV0=0
M_E
22.4
22.2
22.0
21.8
21.6
1160
1165
1170

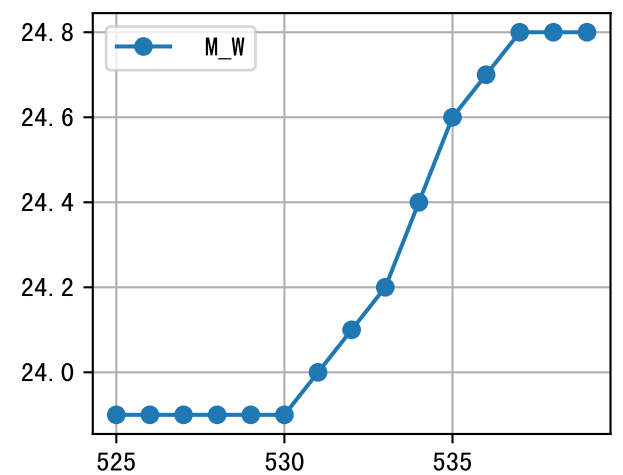

m=1165, FV0=0
M_E
22.4
22.3
22.2
22.1
22.0
21.9
1165
1170
1175

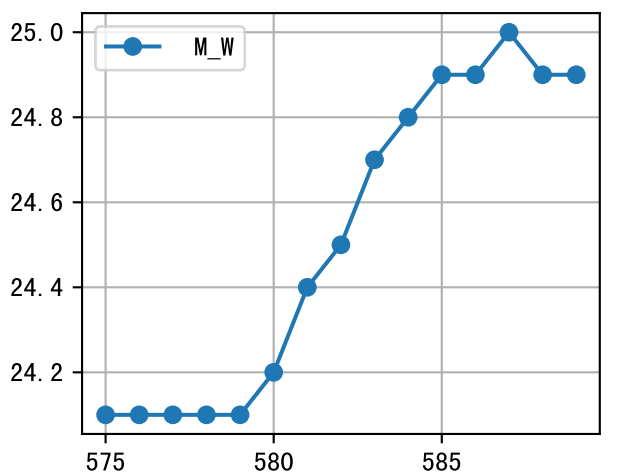

m=1170, FV0=0
M_E
22.40
22.35
22.30
22.25
22.20
1170
1175
1180

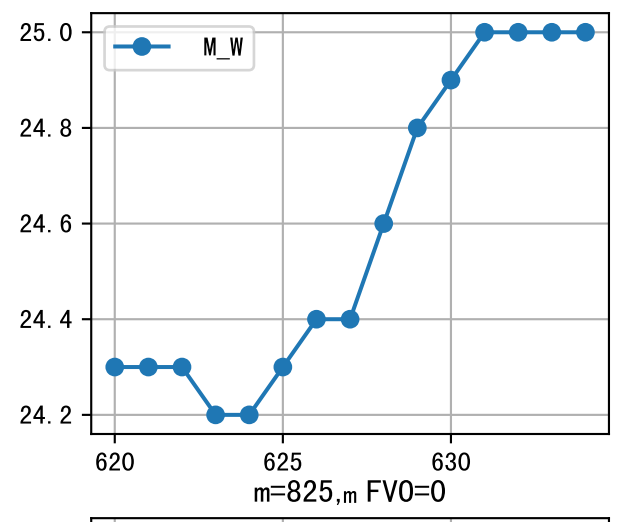

M_W
26.0
25.5
25.0
24.5
24.0
23.5
400
600
800
1000
1200

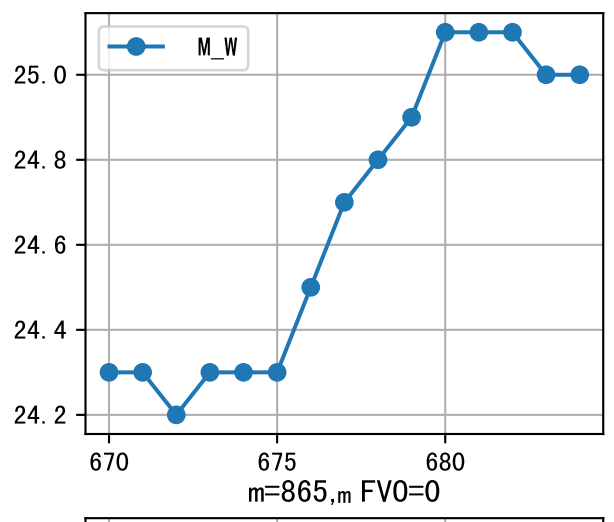

m=395,m FV0=0
M_W
24.0
23.8
23.6
23.4
23.2
395
400
405

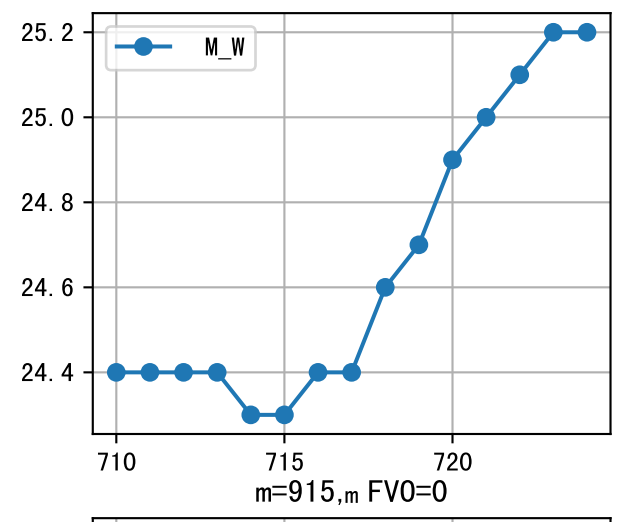

m=445,m FV0=0
M_W
24.8
24.6
24.4
24.2
24.0
23.8
445
450
455

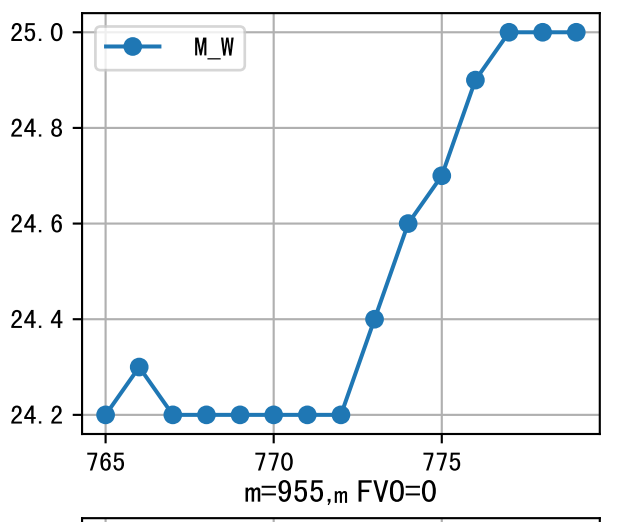

m=525,m FV0=0
M_W
24.8
24.6
24.4
24.2
24.0
525
530
535

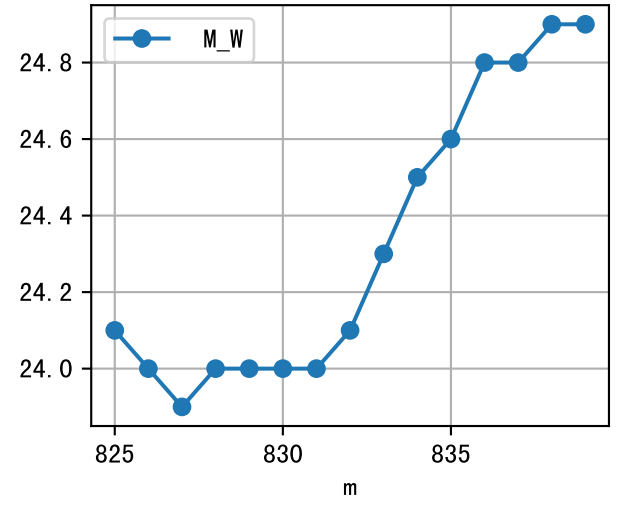

m=575,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
575
580
585

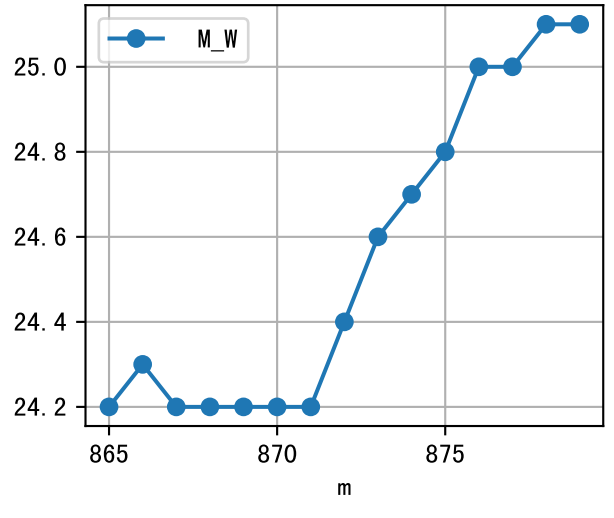

m=620,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
620
625
630

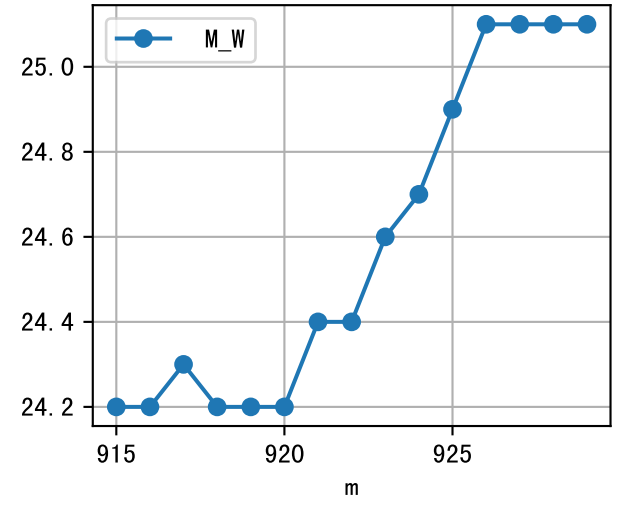

m=670,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
670
675
680

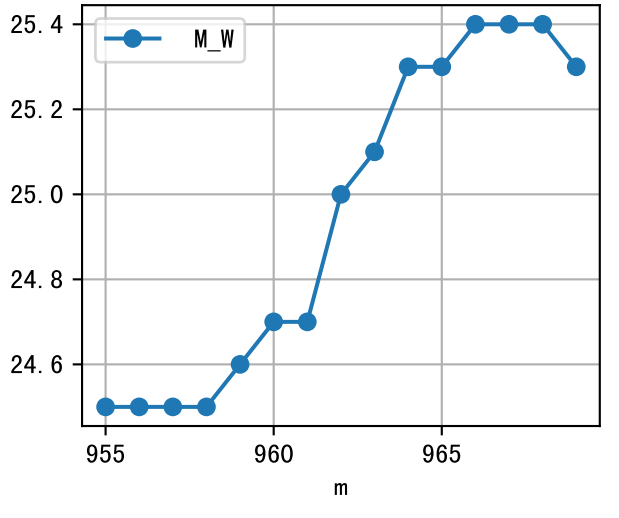

m=710,m FV0=0
M_W
25.2
25.0
24.8
24.6
24.4
710
715
720

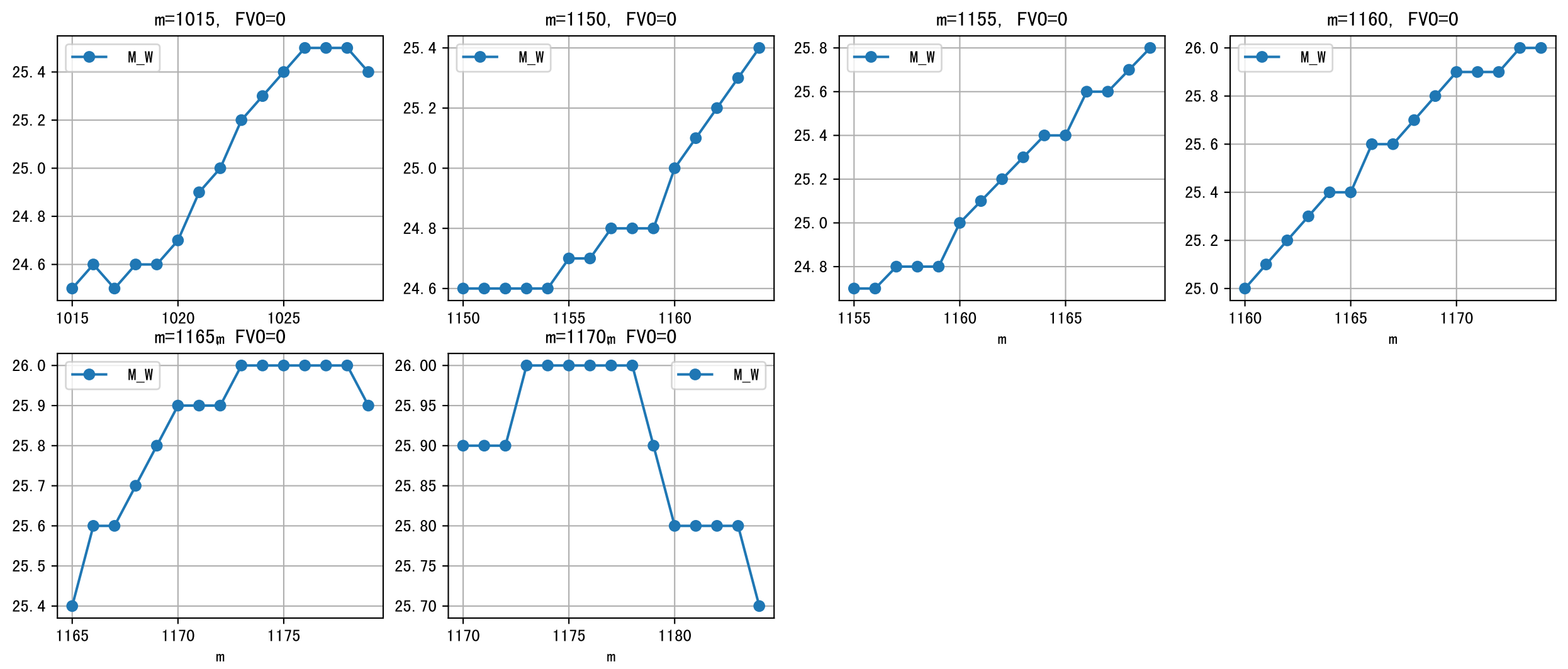

m=765,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
765
770
775


m=825,m FV0=0
M_W
24.8
24.6
24.4
24.2
24.0
825
830
835
m


m=865,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
865
870
875
m


m=915,m FV0=0
M_W
25.0
24.8
24.6
24.4
24.2
915
920
925
m


m=955,m FV0=0
M_W
25.4
25.2
25.0
24.8
24.6
955
960
965
m


m=1015, FV0=0
M_W
25.4
25.2
25.0
24.8
24.6
1015
1020
1025
m=1150, FV0=0
M_W
25.4
25.2
25.0
24.8
24.6
1150
1155
1160
m=1155, FV0=0
M_W
25.8
25.6
25.4
25.2
25.0
24.8
1155
1160
1165
m
m=1160, FV0=0
M_W
26.0
25.8
25.6
25.4
25.2
25.0
1160
1165
1170
m
m=1165m FV0=0
M_W
26.0
25.9
25.8
25.7
25.6
25.5
25.4
1165
1170
1175
m
m=1170m FV0=0
M_W
26.00
25.95
25.90
25.85
25.80
25.75
25.70
1170
1175
1180
m