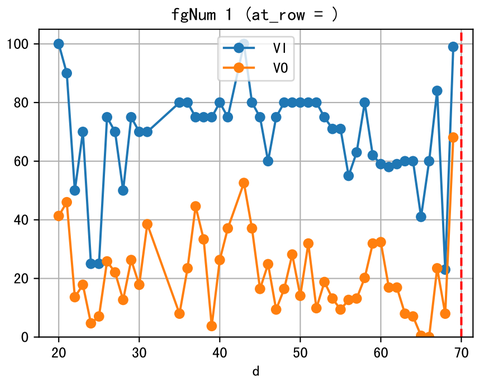
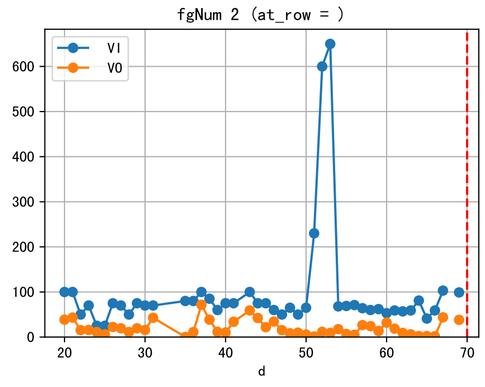
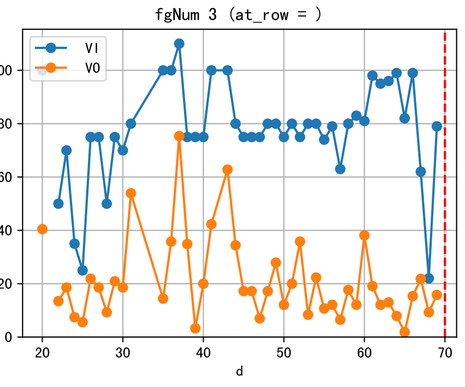
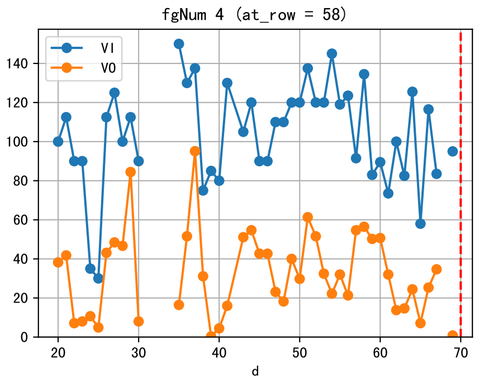
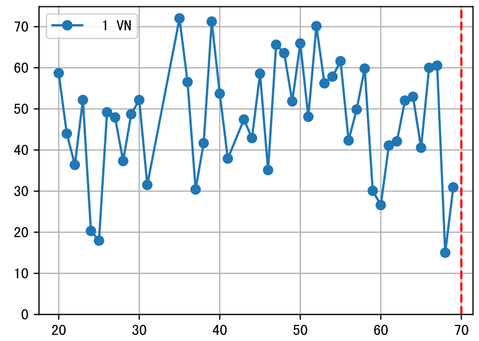
FgArea: ['4']
NJ15 L1
2025-12-15 (Day 70)

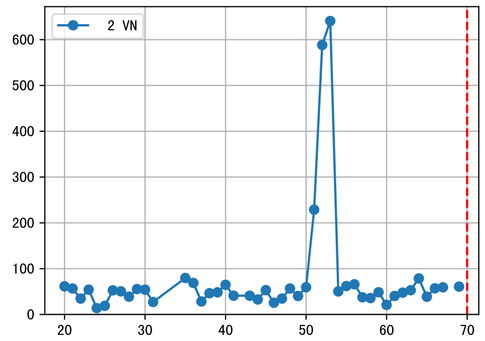

fgNum 1 (at_row =)
VI
VO
d

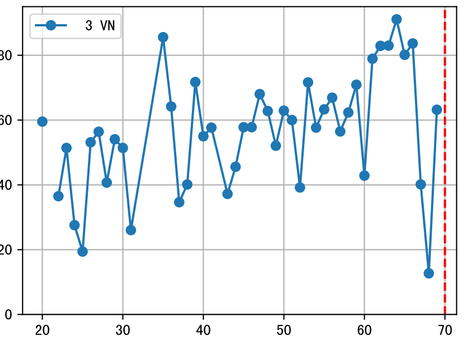

fgNum 2 (at_row =)
VI
VO
d

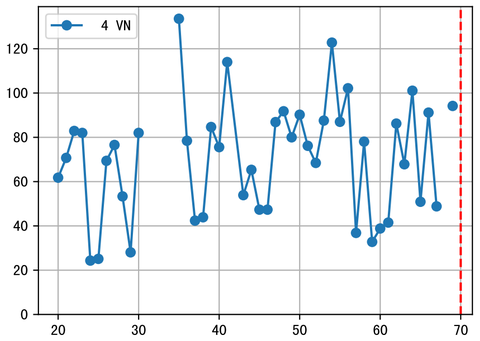

fgNum 3 (at_row =)
VI
VO
d

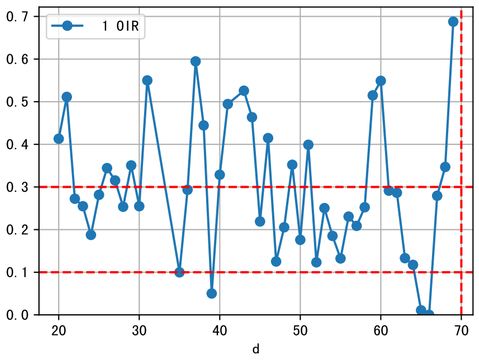

fgNum 4 (at_row = 58)
VI
VO
d

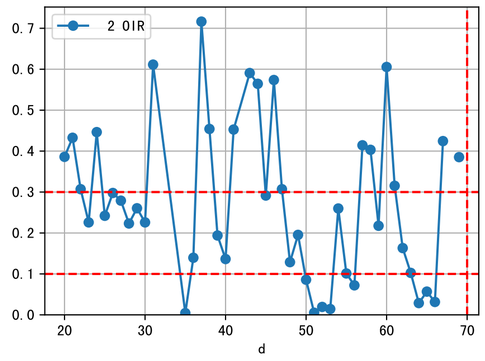

1 VN
d

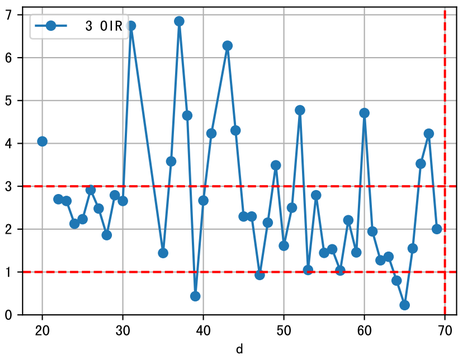

2 VN
d

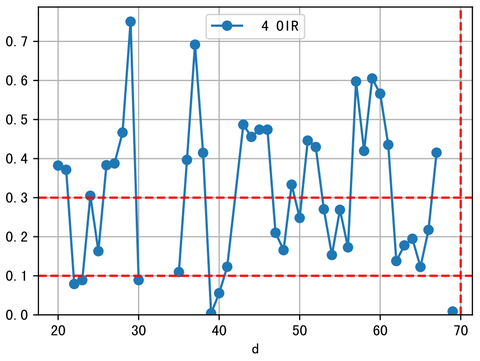

3 VN
d

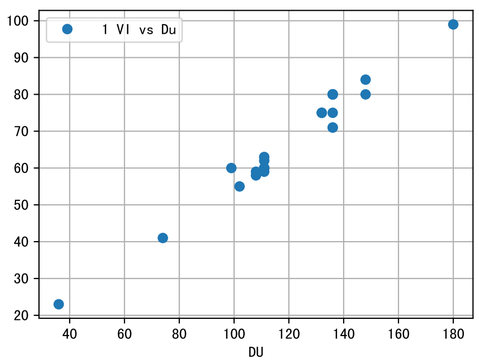

4 VN
d

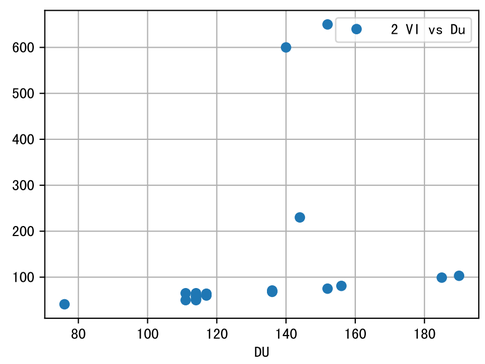

1 OIR
d

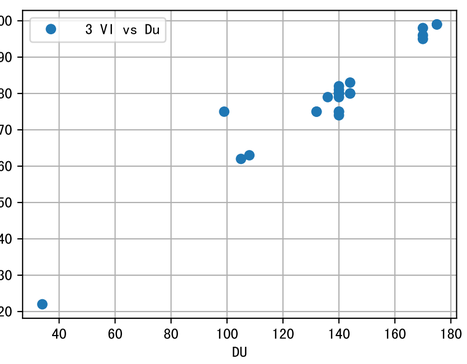

2 OIR
d

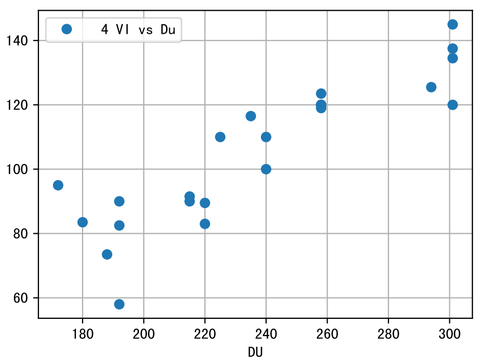

3 OIR
d

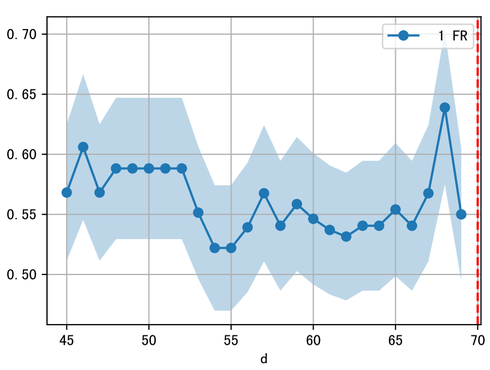

4 OIR
d

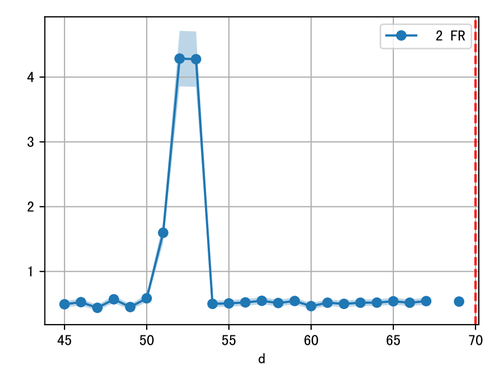

1 VI vs Du
DU

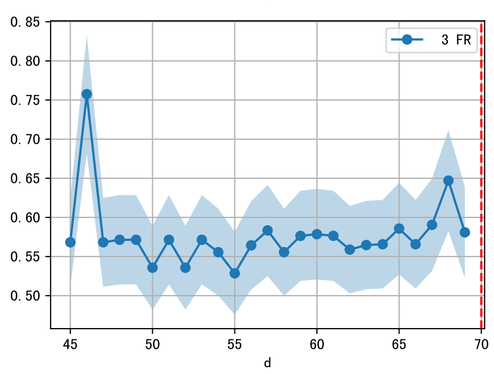

2 VI vs Du
DU

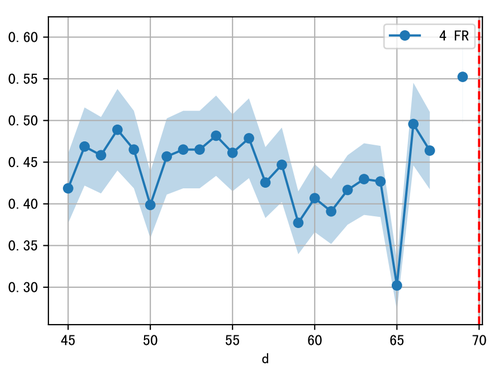

3 VI vs Du
DU

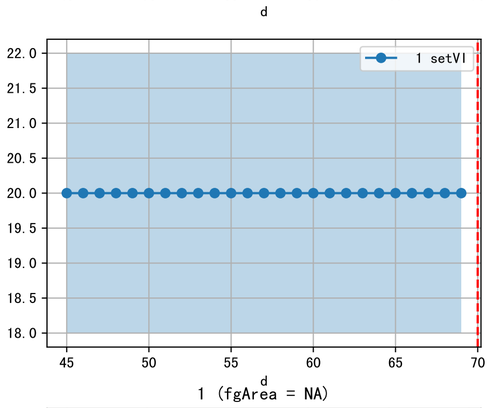

4 VI vs Du
DU

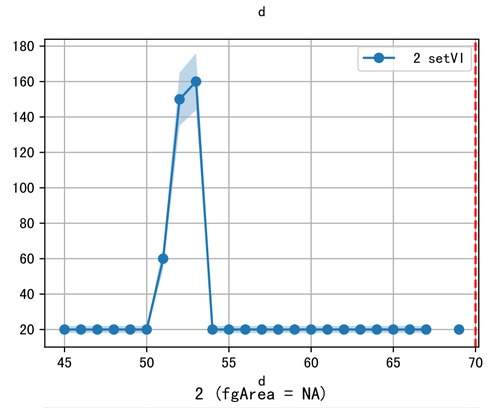

1 FR
d

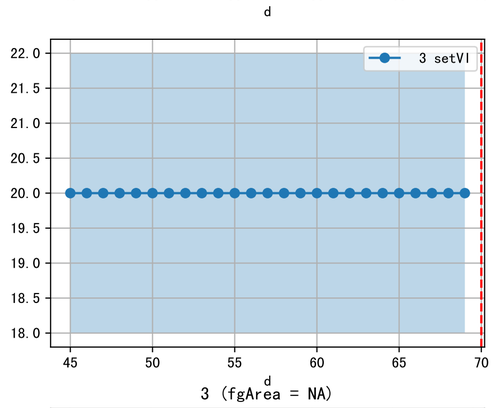

2 FR
d

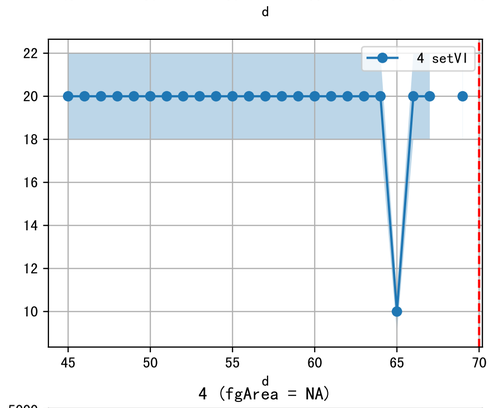

3 FR
d

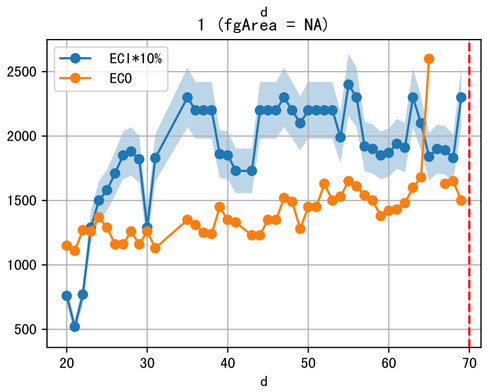

4 FR
d

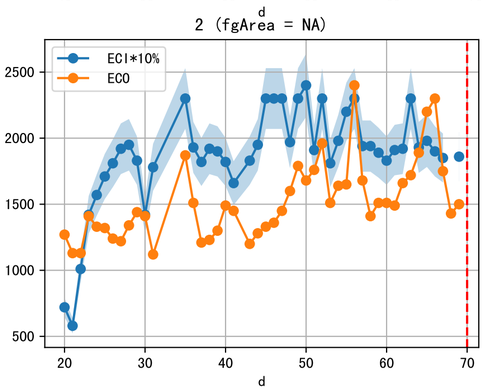

1 setVI
d

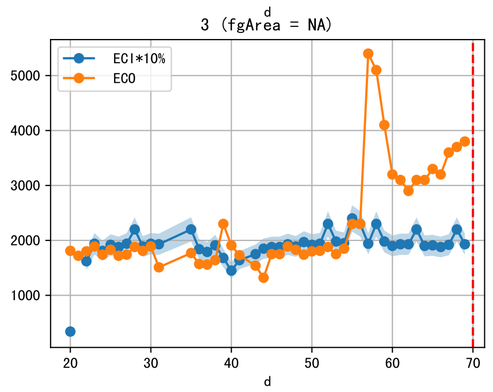

2 setVI
d

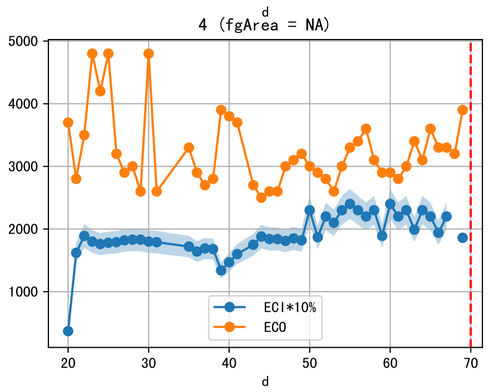

3 setVI
d

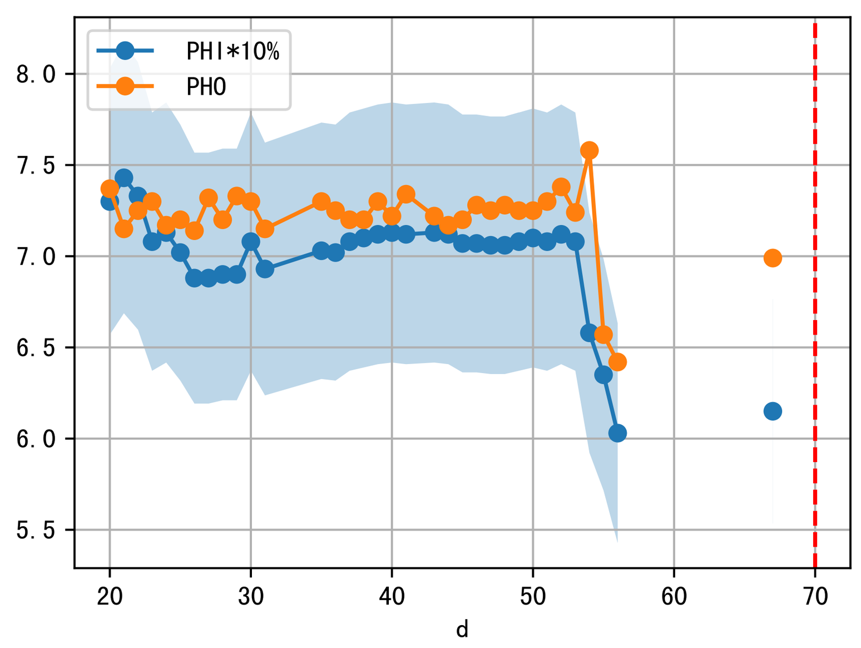

4 setVI
d


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

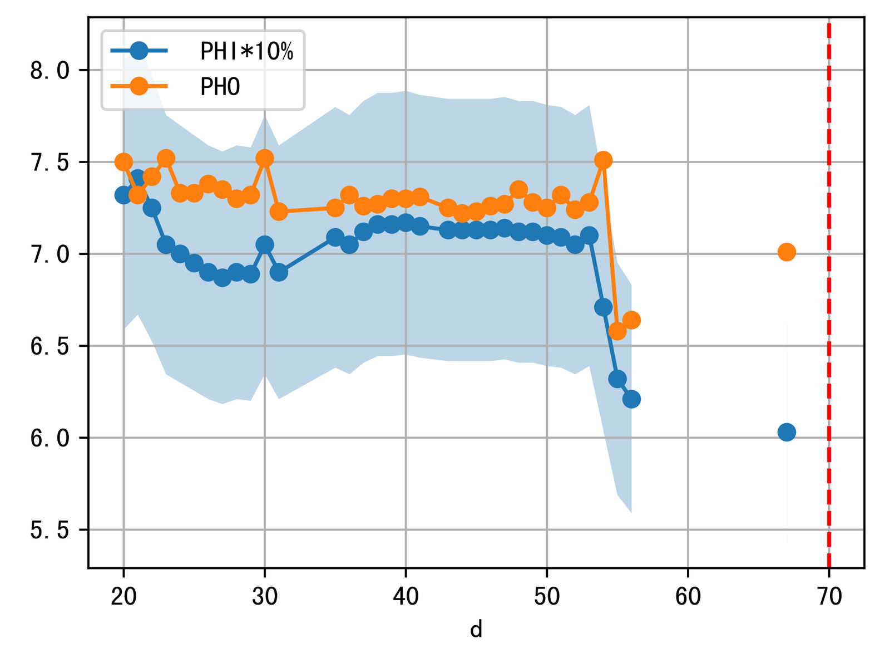

2 (fgArea = NA)
ECI*10%
ECO
d


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

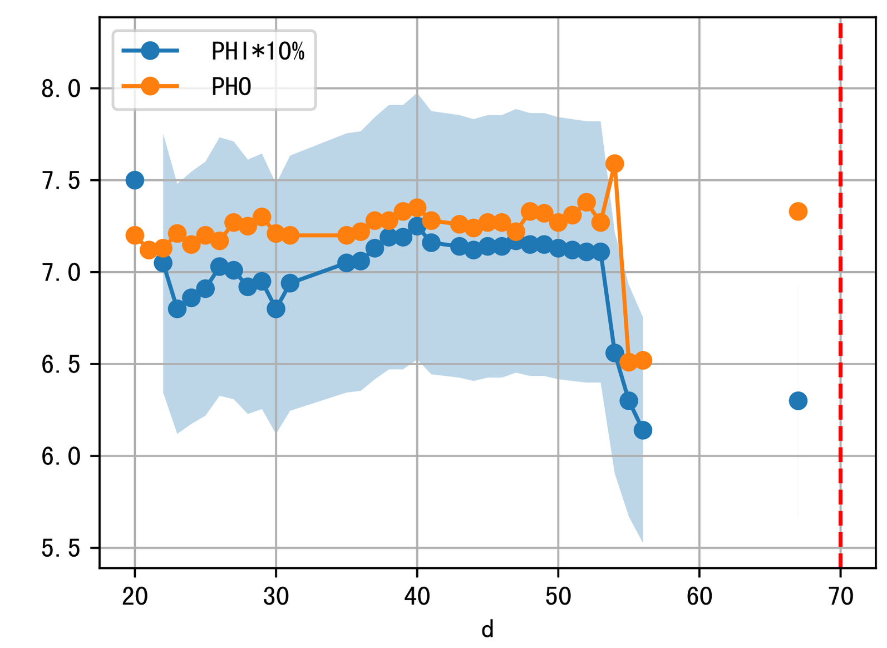

4 (fgArea = NA)
ECI*10%
ECO
d



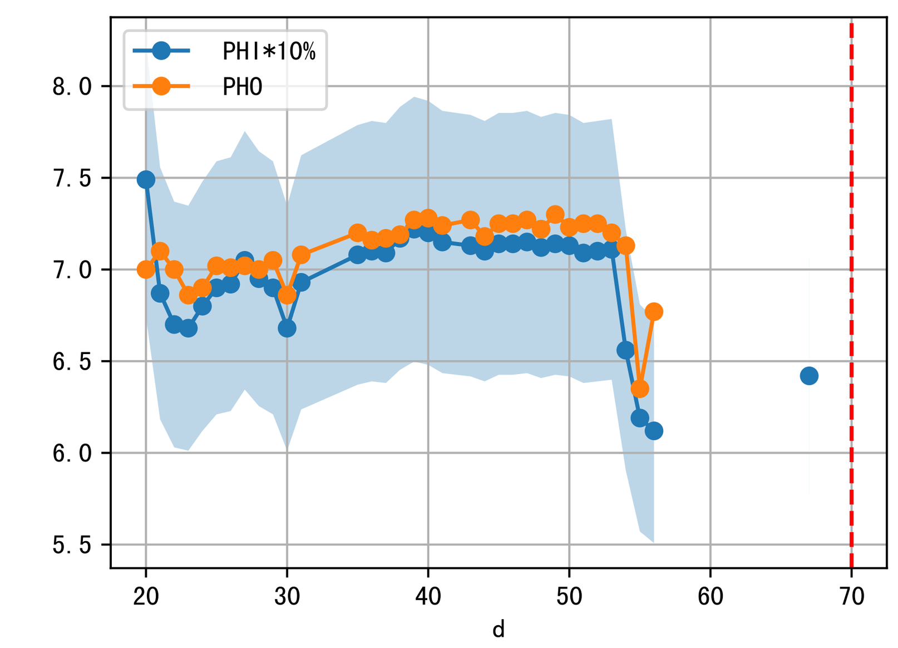
PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
30
40
50
60
70
d



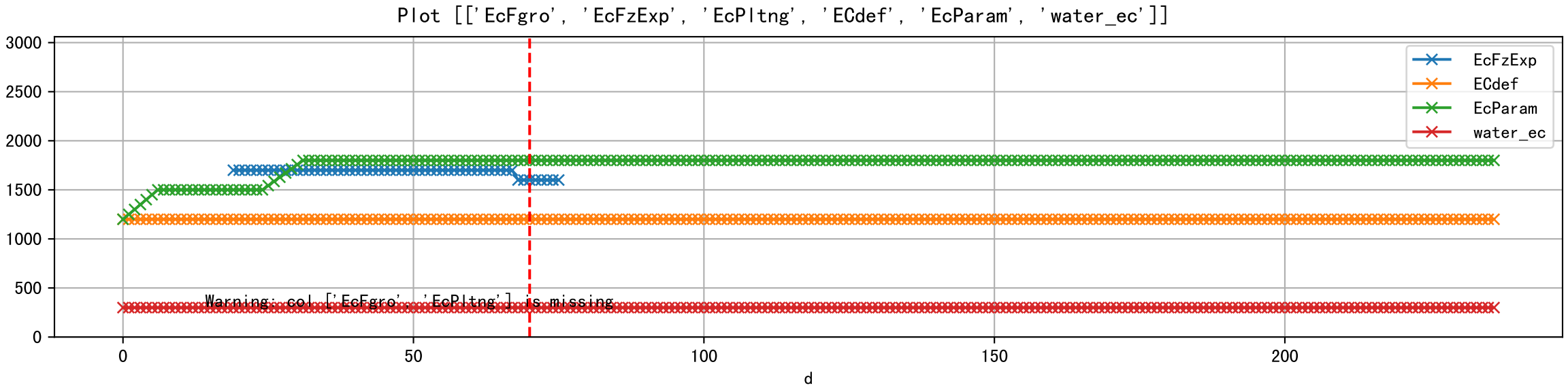
PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
30
40
50
60
70
d

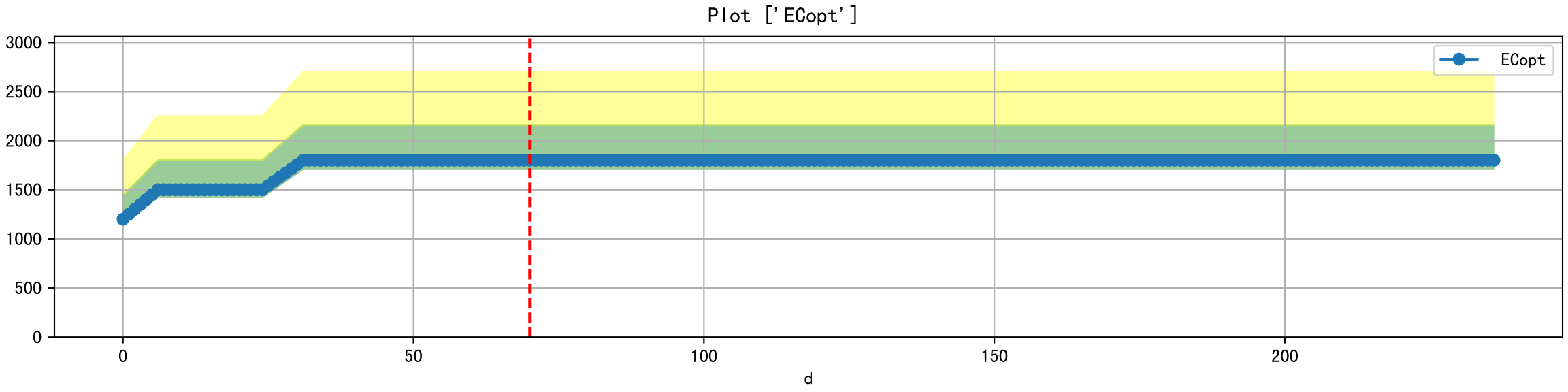


PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
30
40
50
60
70
d



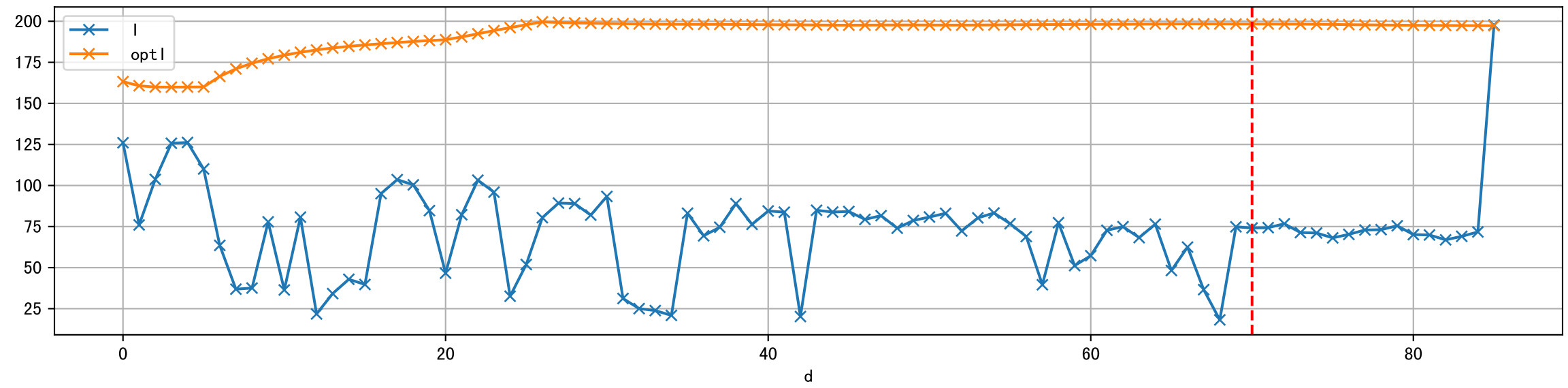
PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
30
40
50
60
70
d

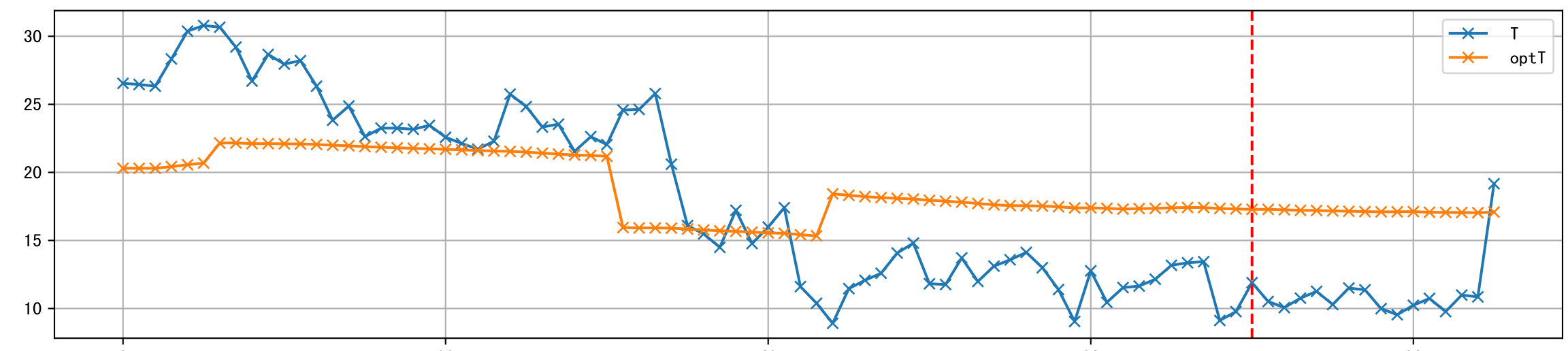

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

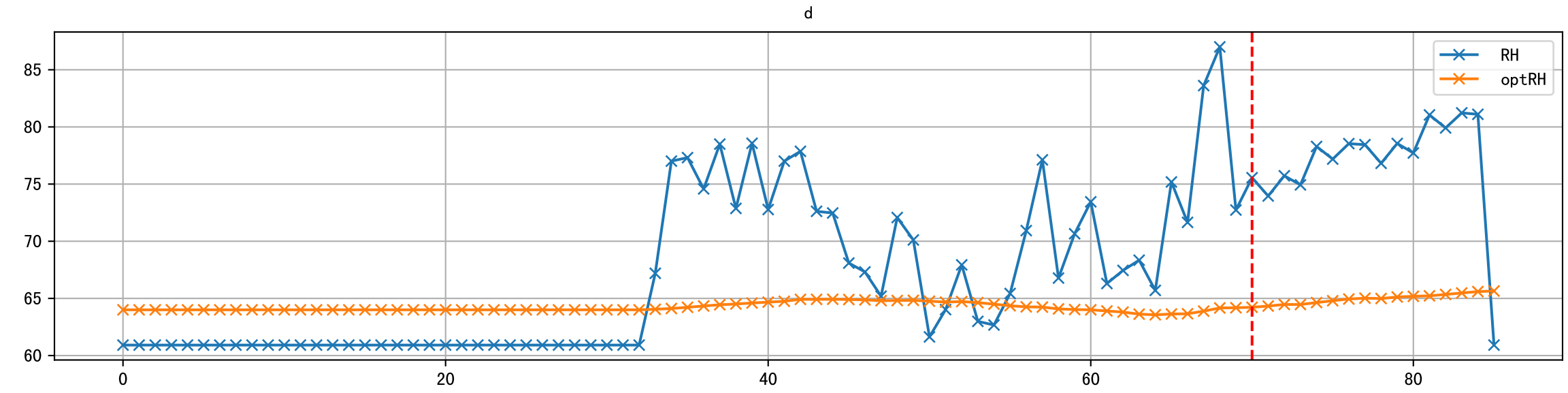

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

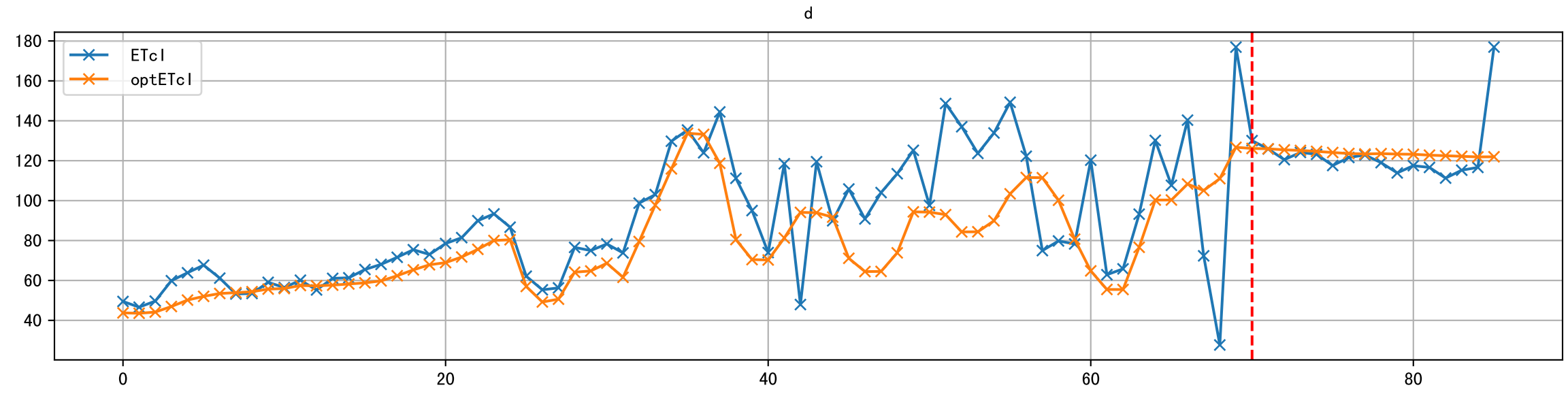
Plot Sensor and FgRec Data

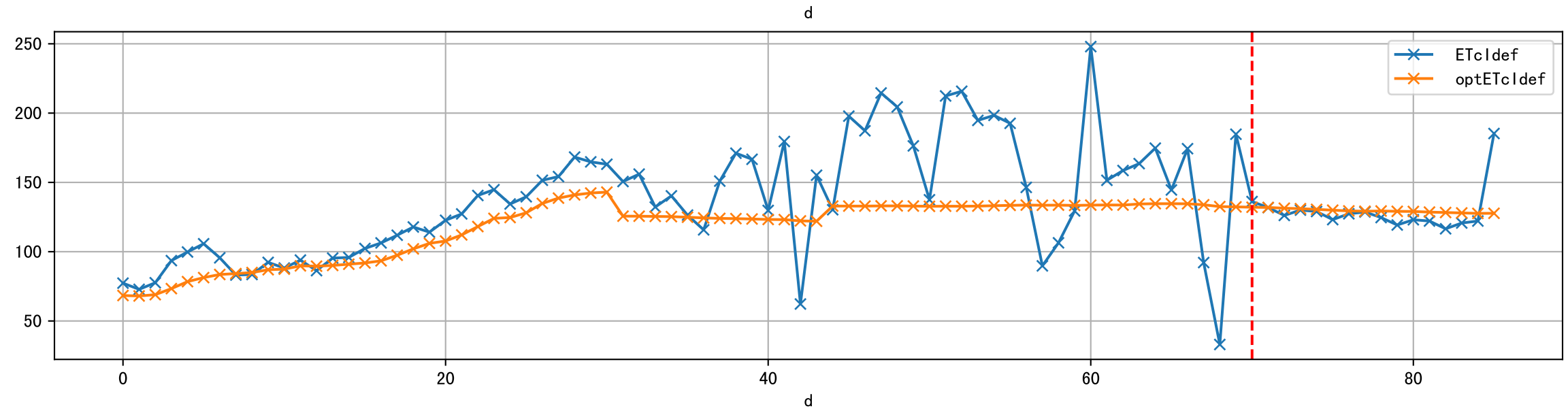
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

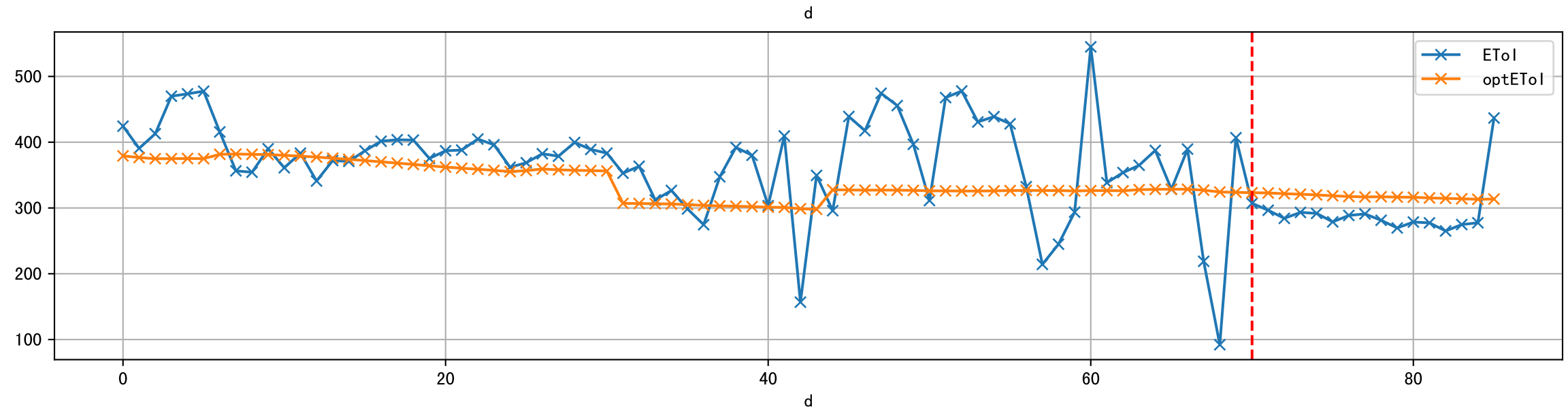


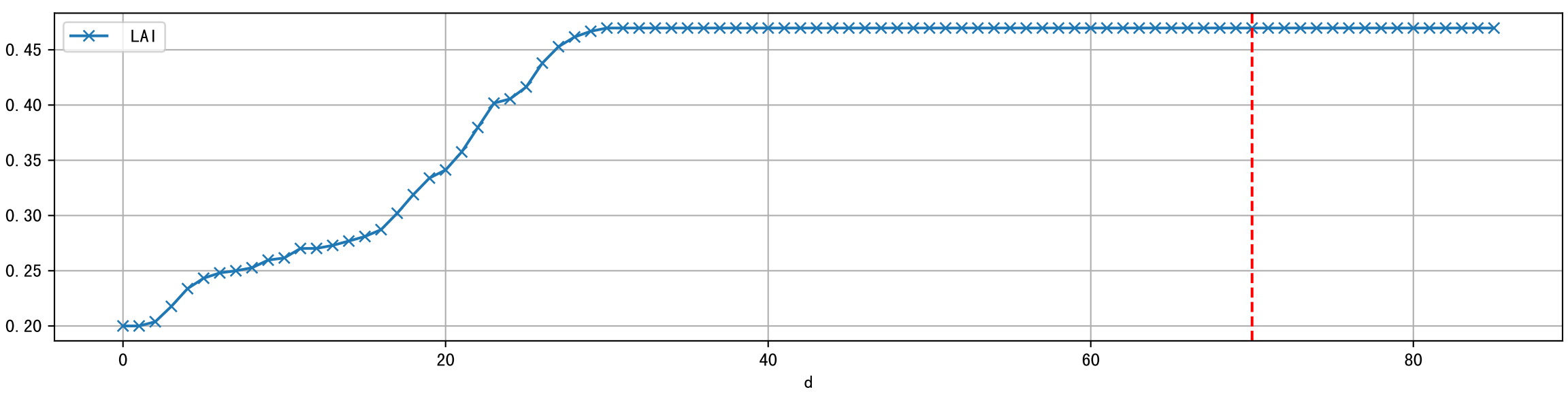


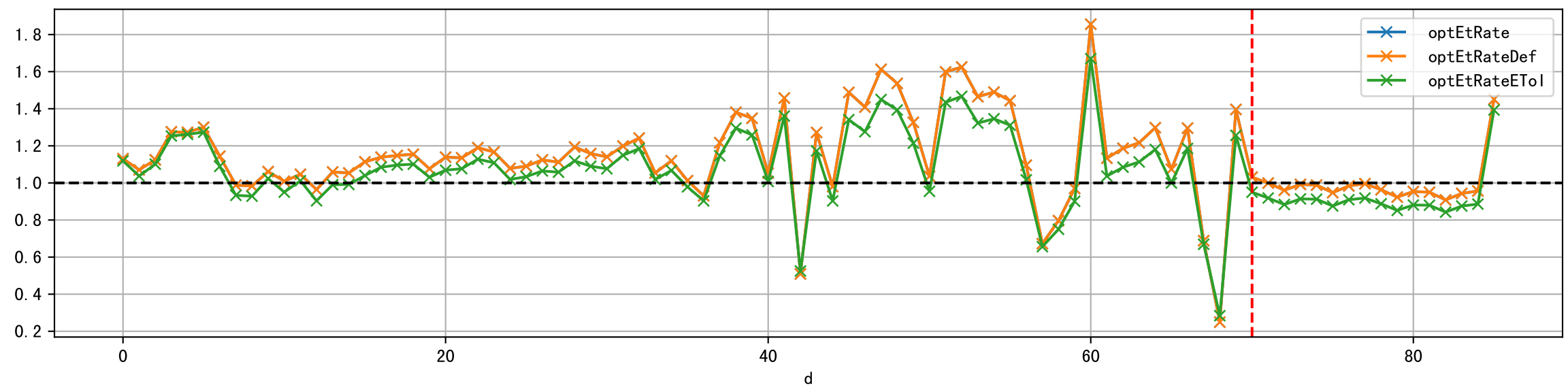


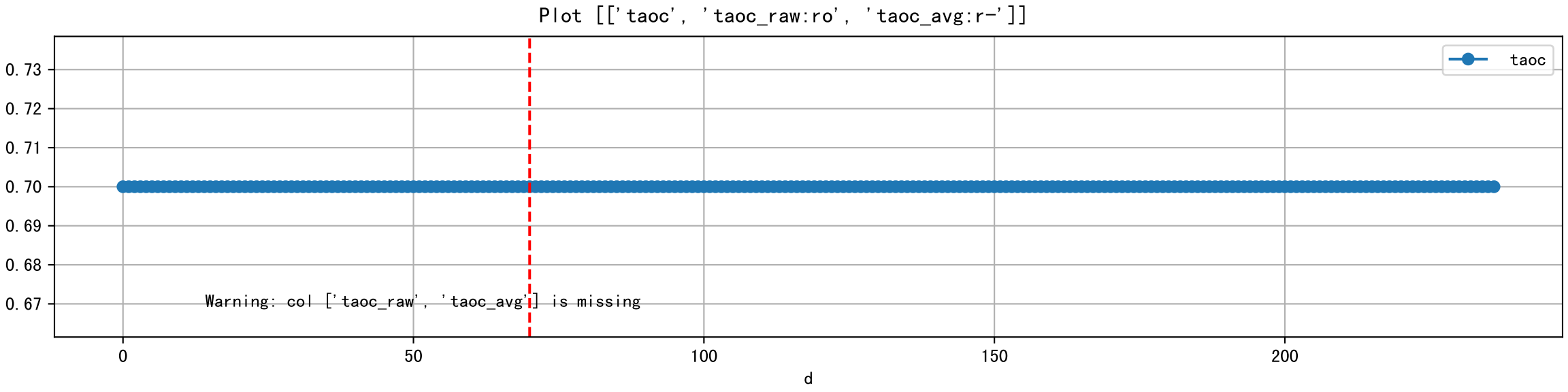


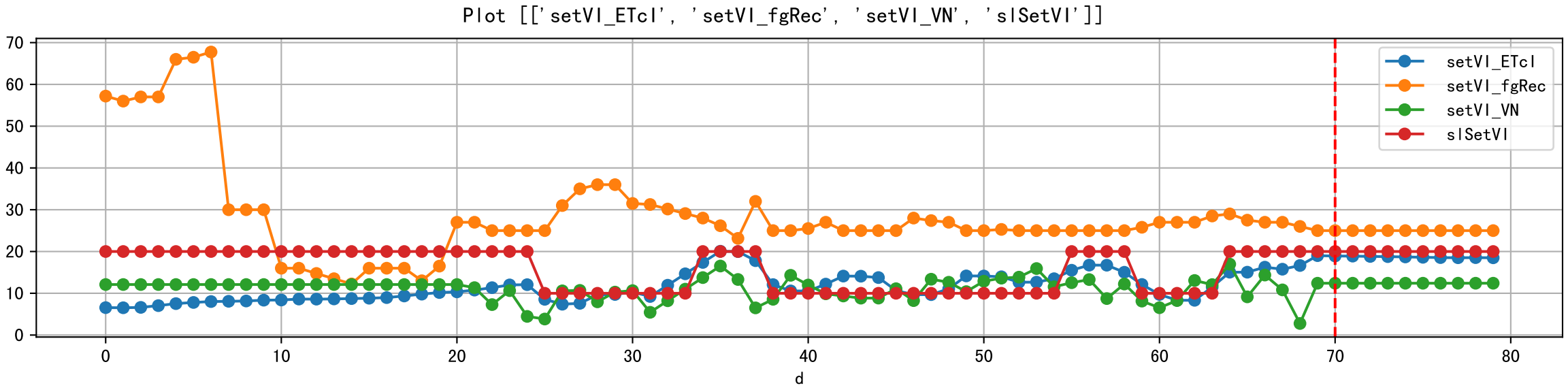


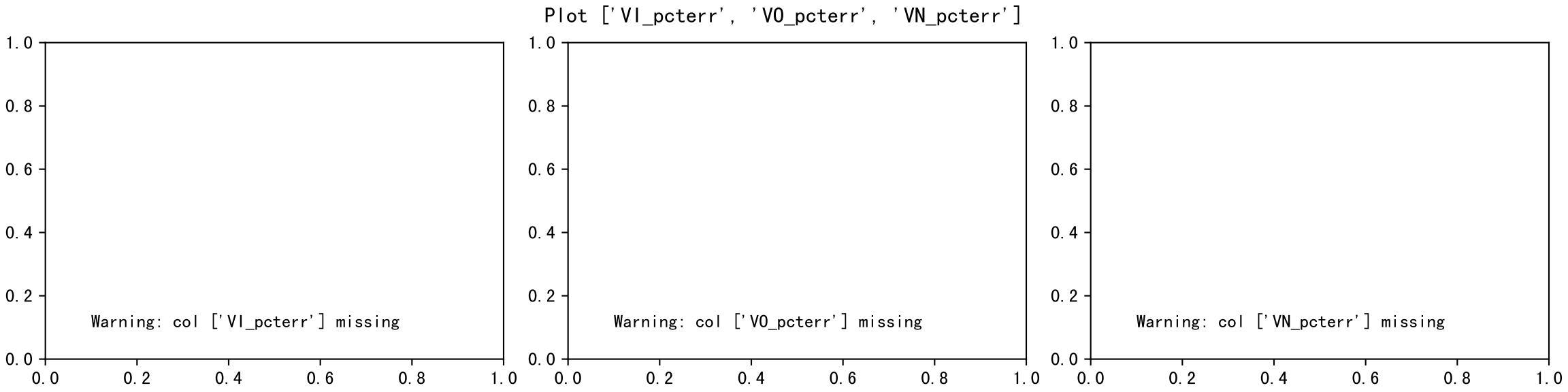


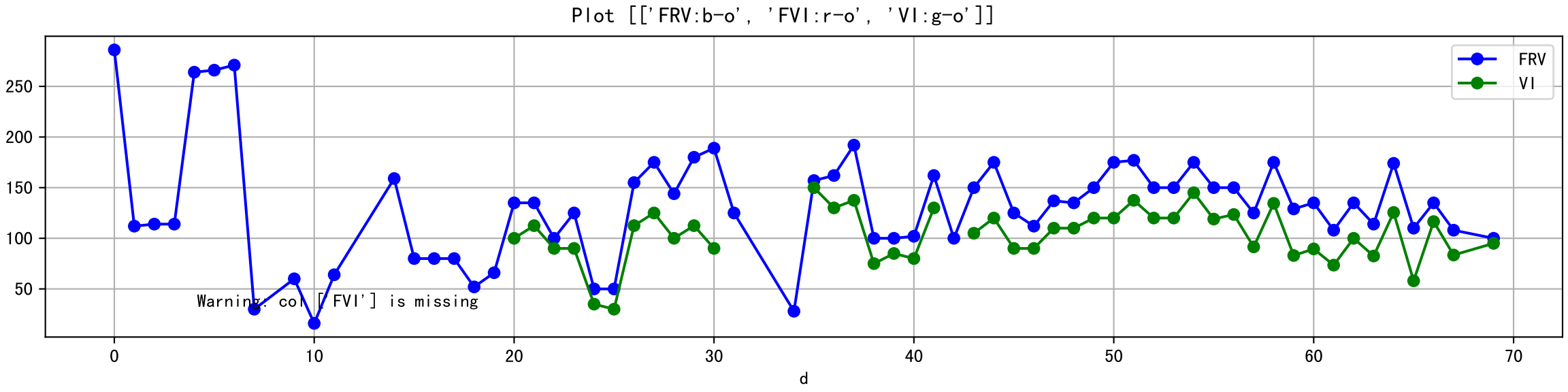


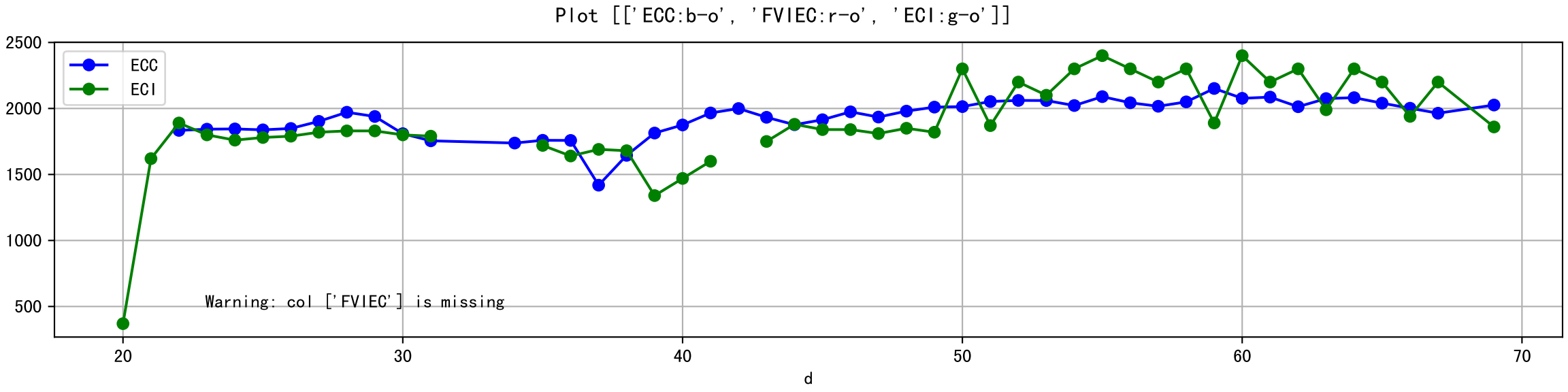


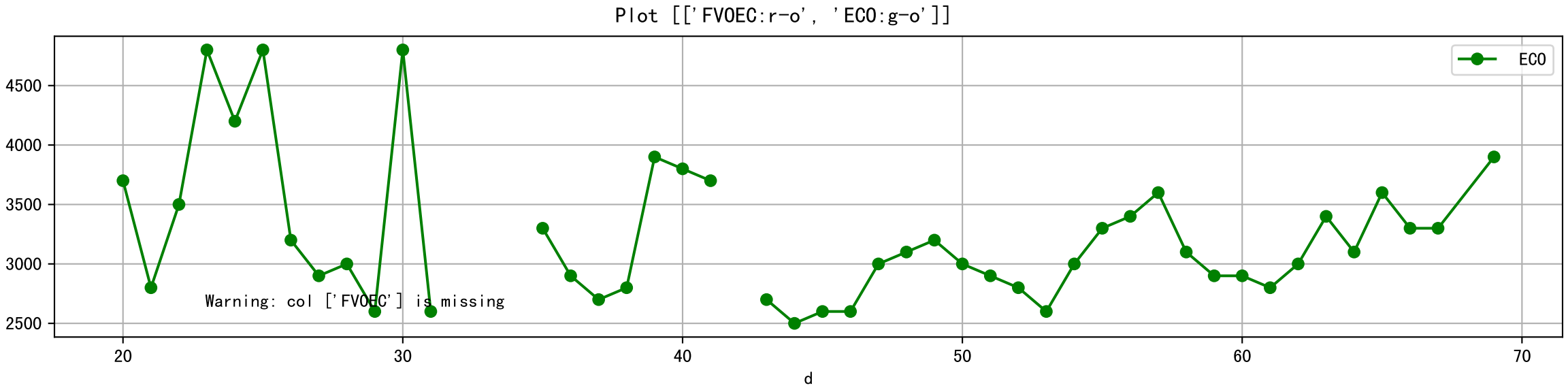

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

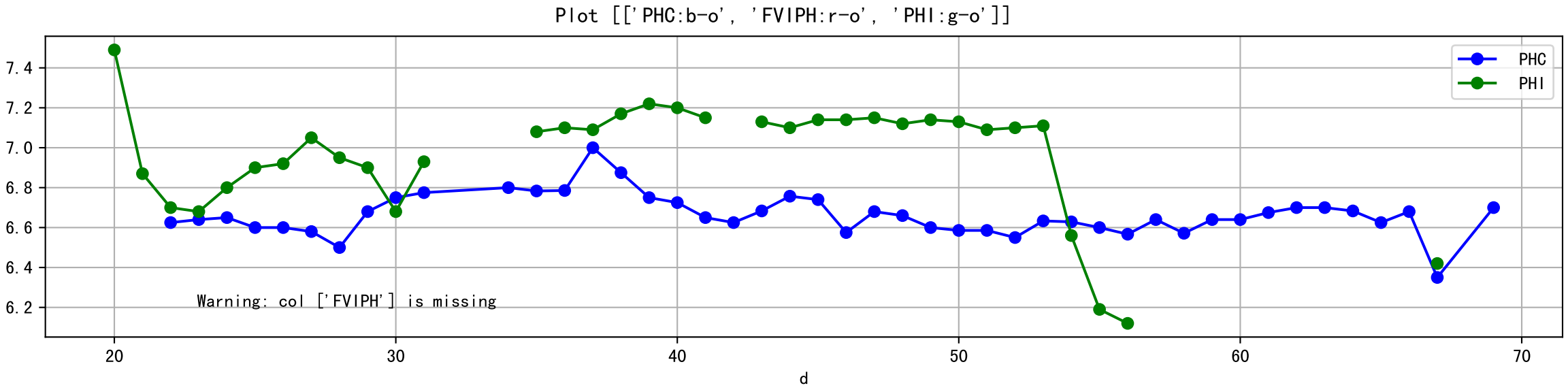

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
60
70
80
d

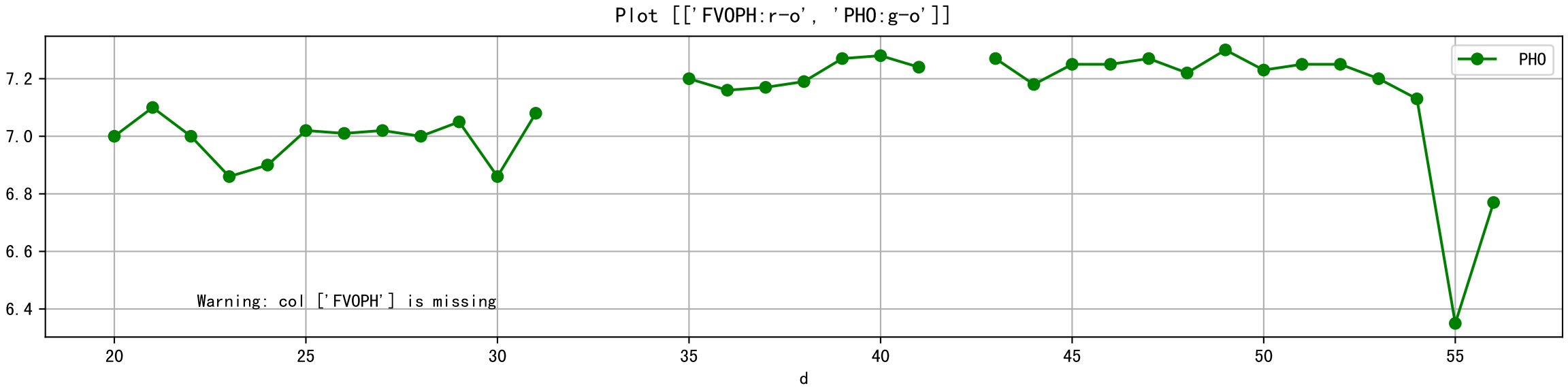

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

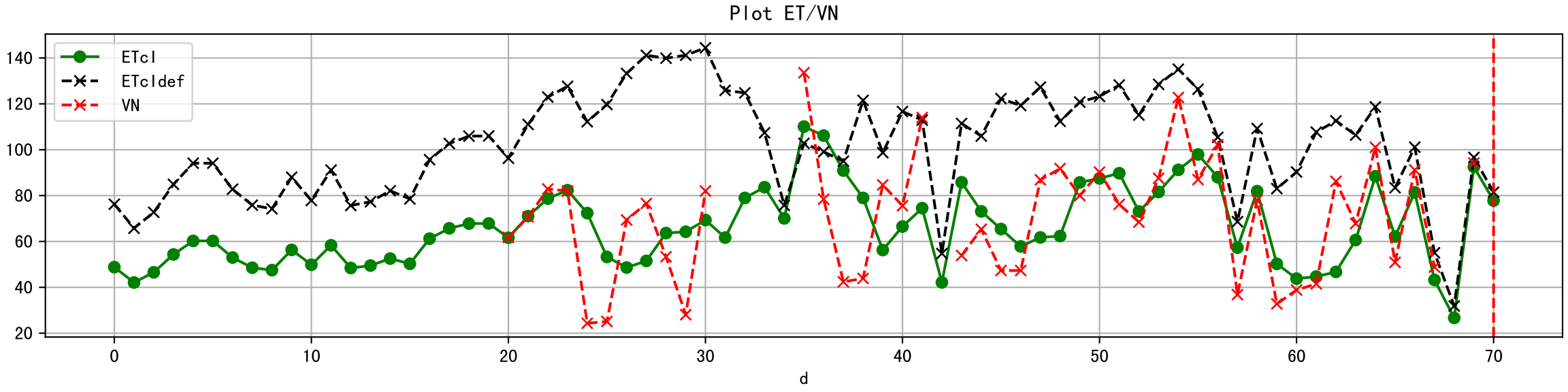

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
250
200
150
100
50
0
10
20
30
40
50
60
70
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2500
2000
1500
1000
500
20
30
40
50
60
70
d

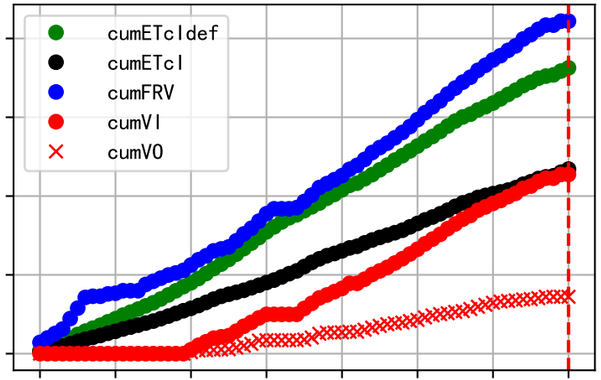

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
20
30
40
50
60
70
d

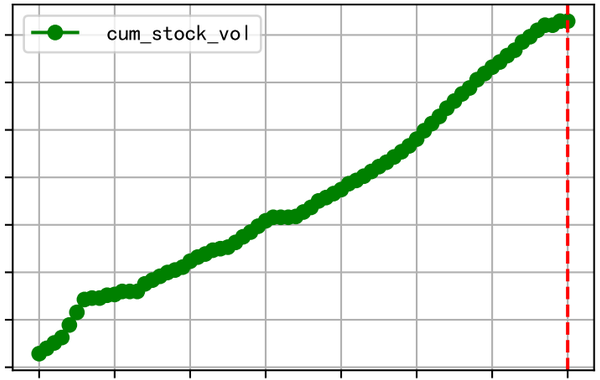

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
30
40
50
60
70
d

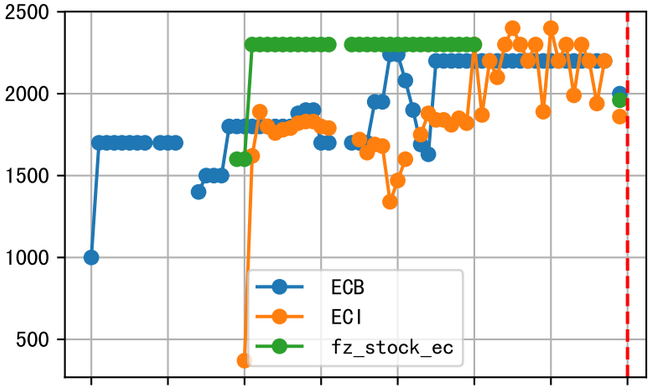

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.2
7.0
6.8
6.6
6.4
20
25
30
35
40
45
50
55
d

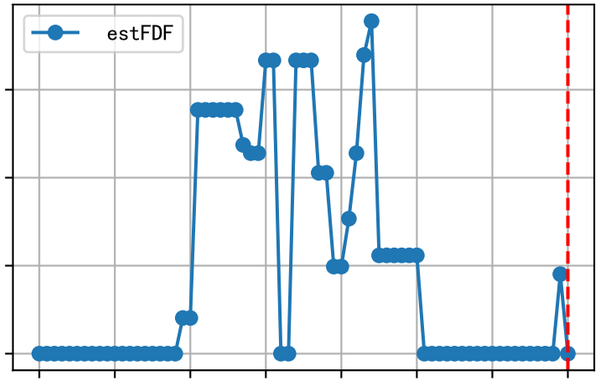

Plot ET/VN
ETcl
ETcldef
VN
140
120
100
80
60
40
20
0
10
20
30
40
50
60
70
d

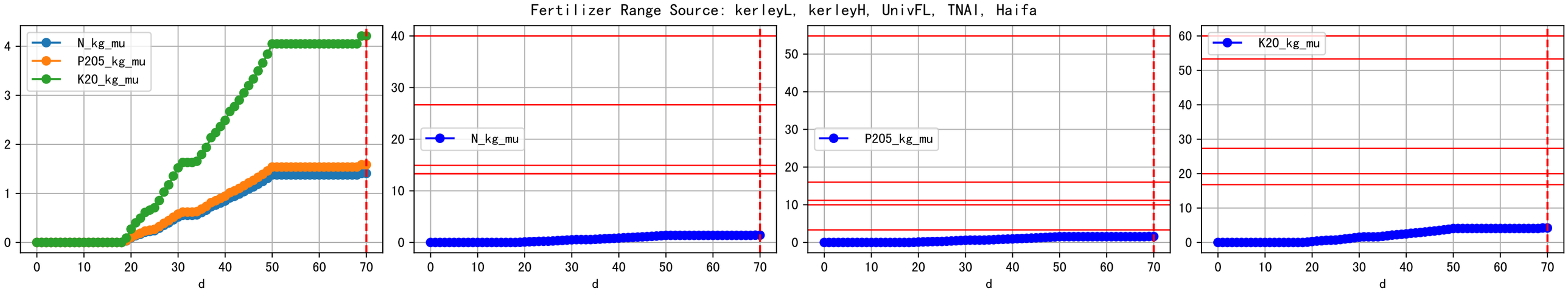
Plot Fv and fertilizer usage

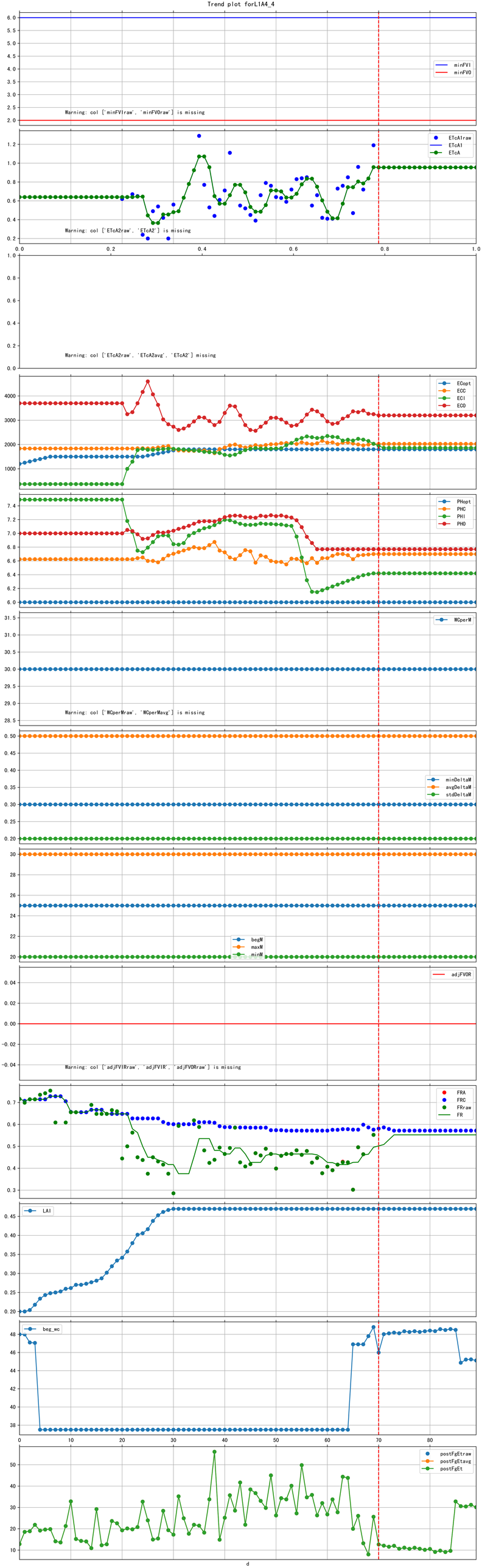


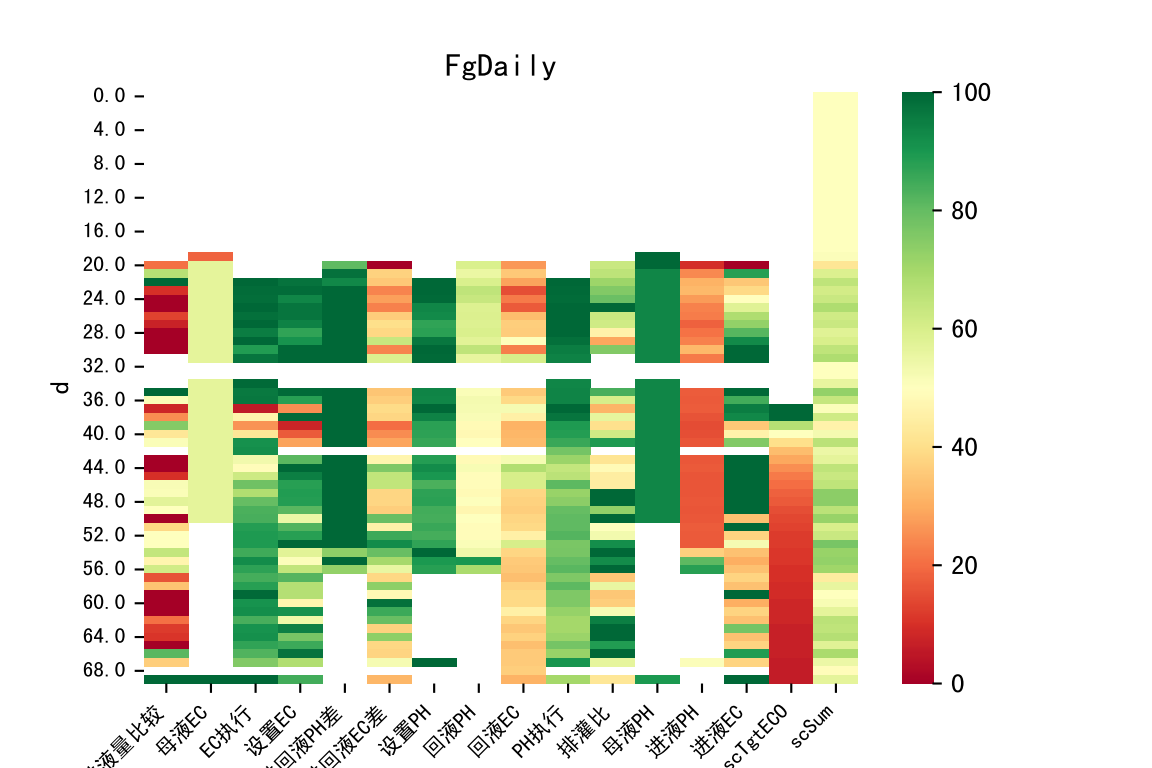




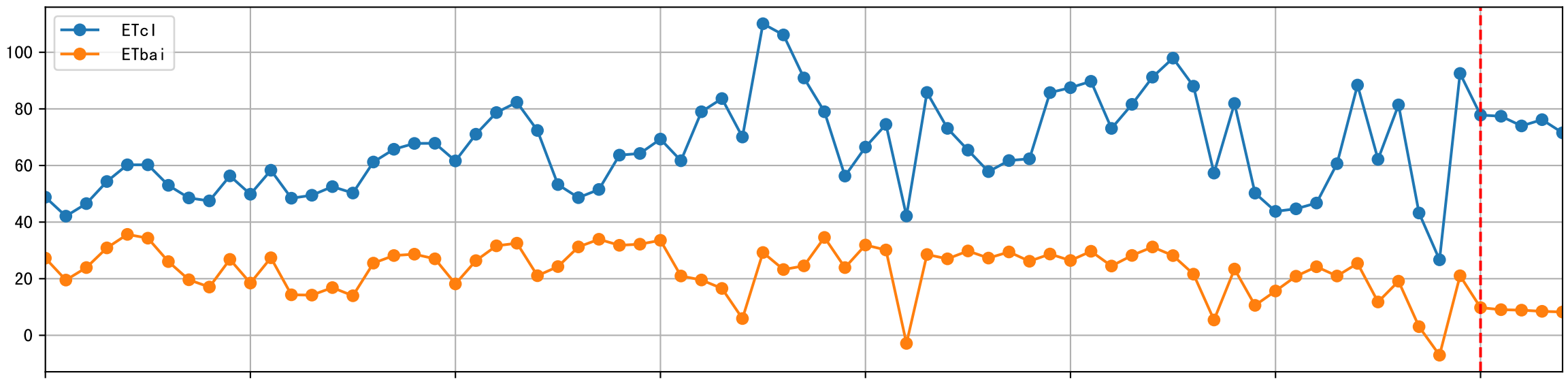


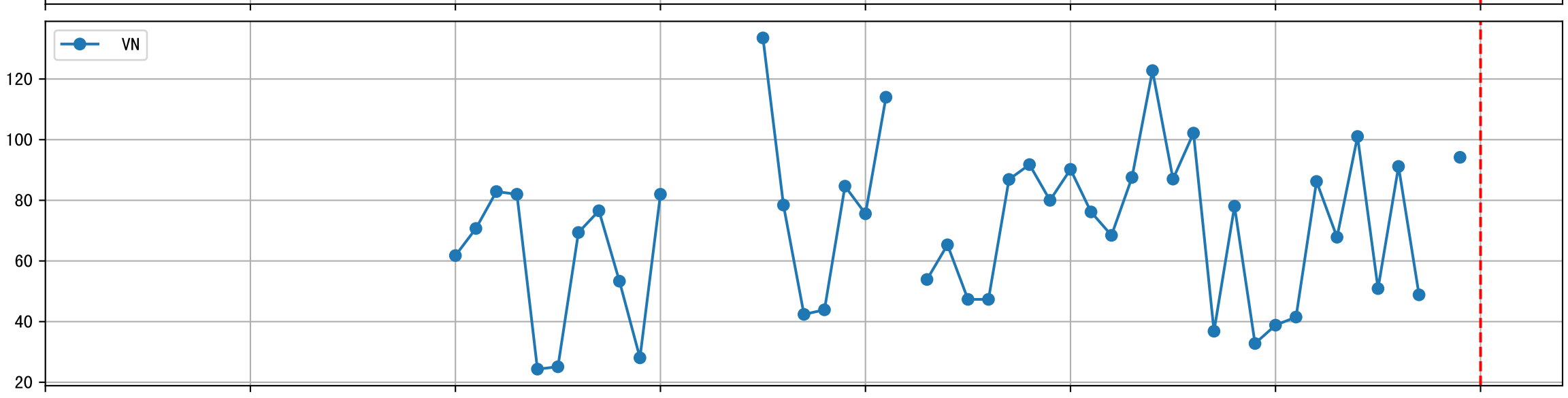

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

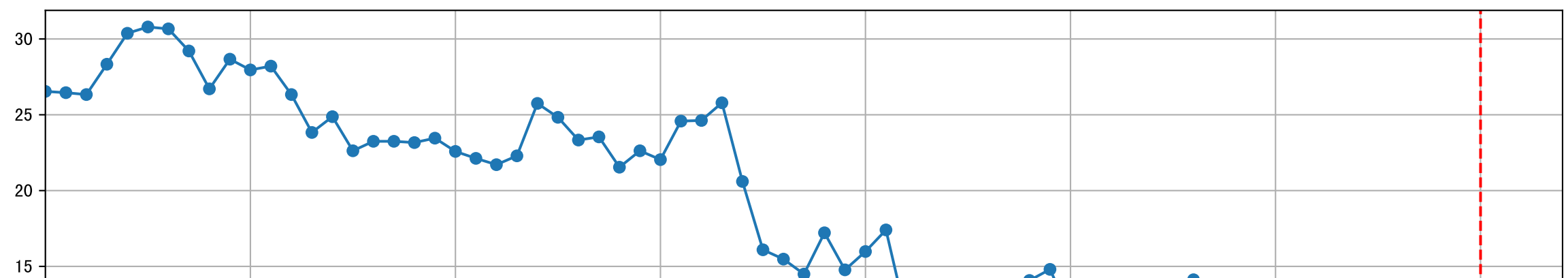

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing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

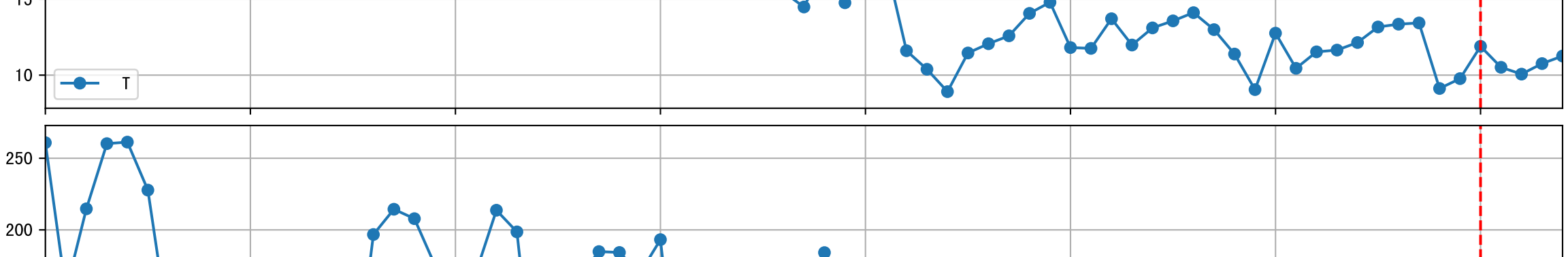

FgDaily
d
0.0
4.0
8.0
12.0
16.0
20.0
24.0
28.0
32.0
36.0
40.0
44.0
48.0
52.0
56.0
60.0
64.0
68.0
100
80
60
40
20
0
母液EC
EC执行
设置EC
回液PH差
回液EC差
设置PH
回液PH
回液EC
PH执行
排灌比
母液PH
进液PH
进液EC
scTgtEC0
scSum

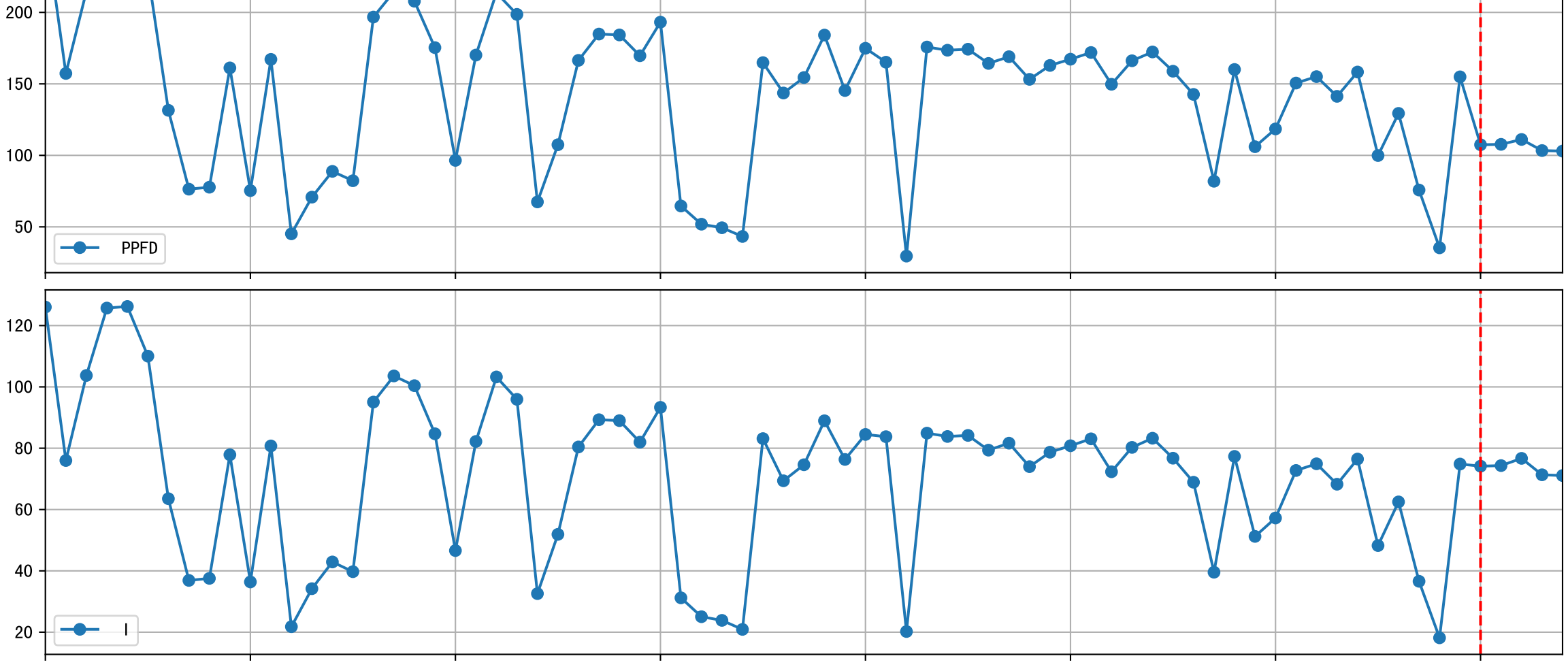
L1A4_4

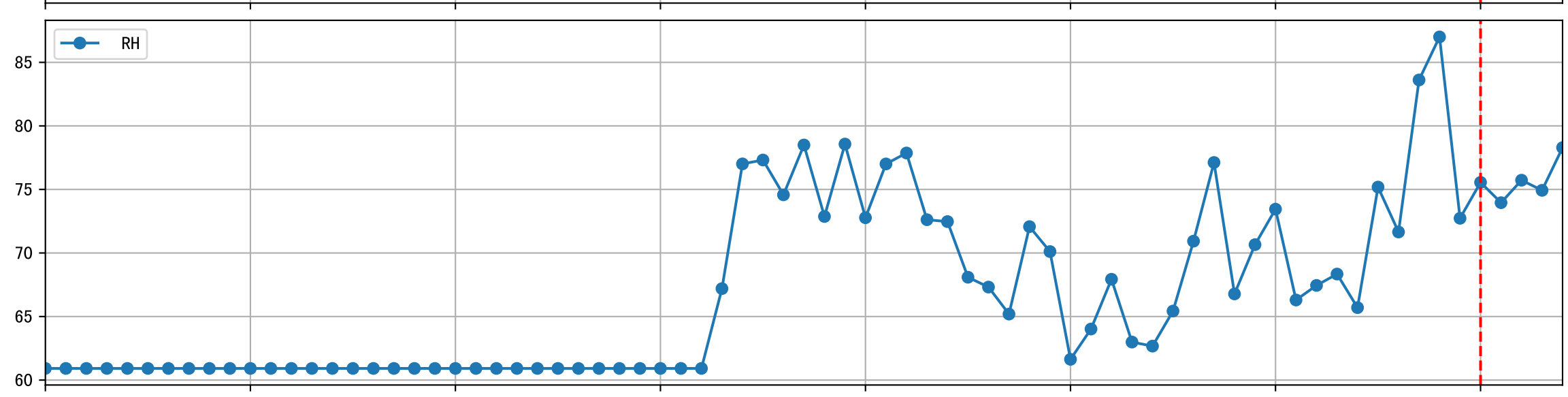


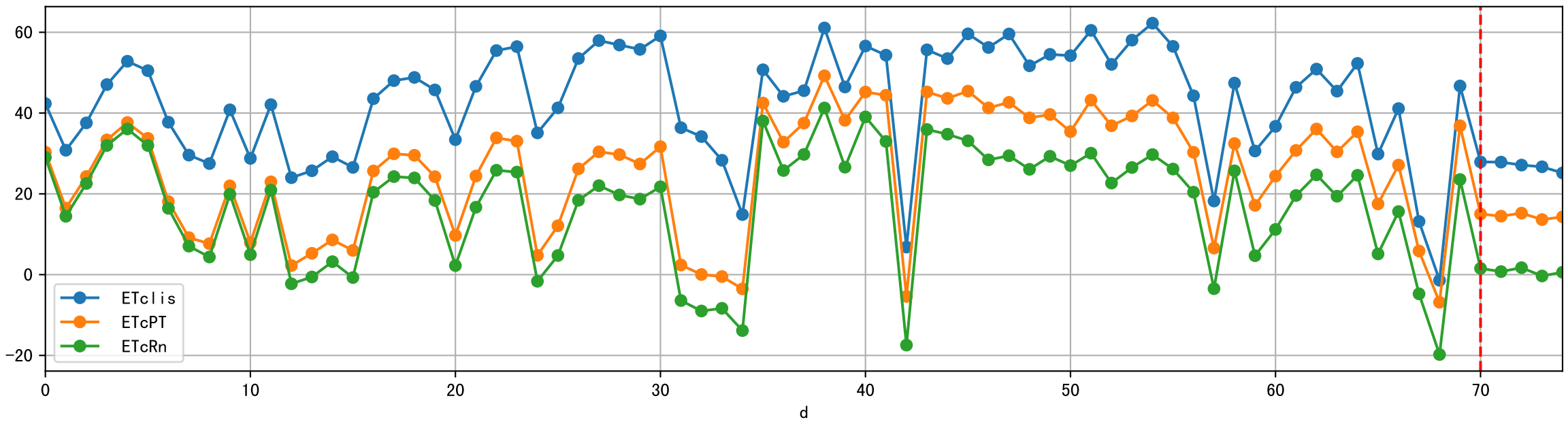


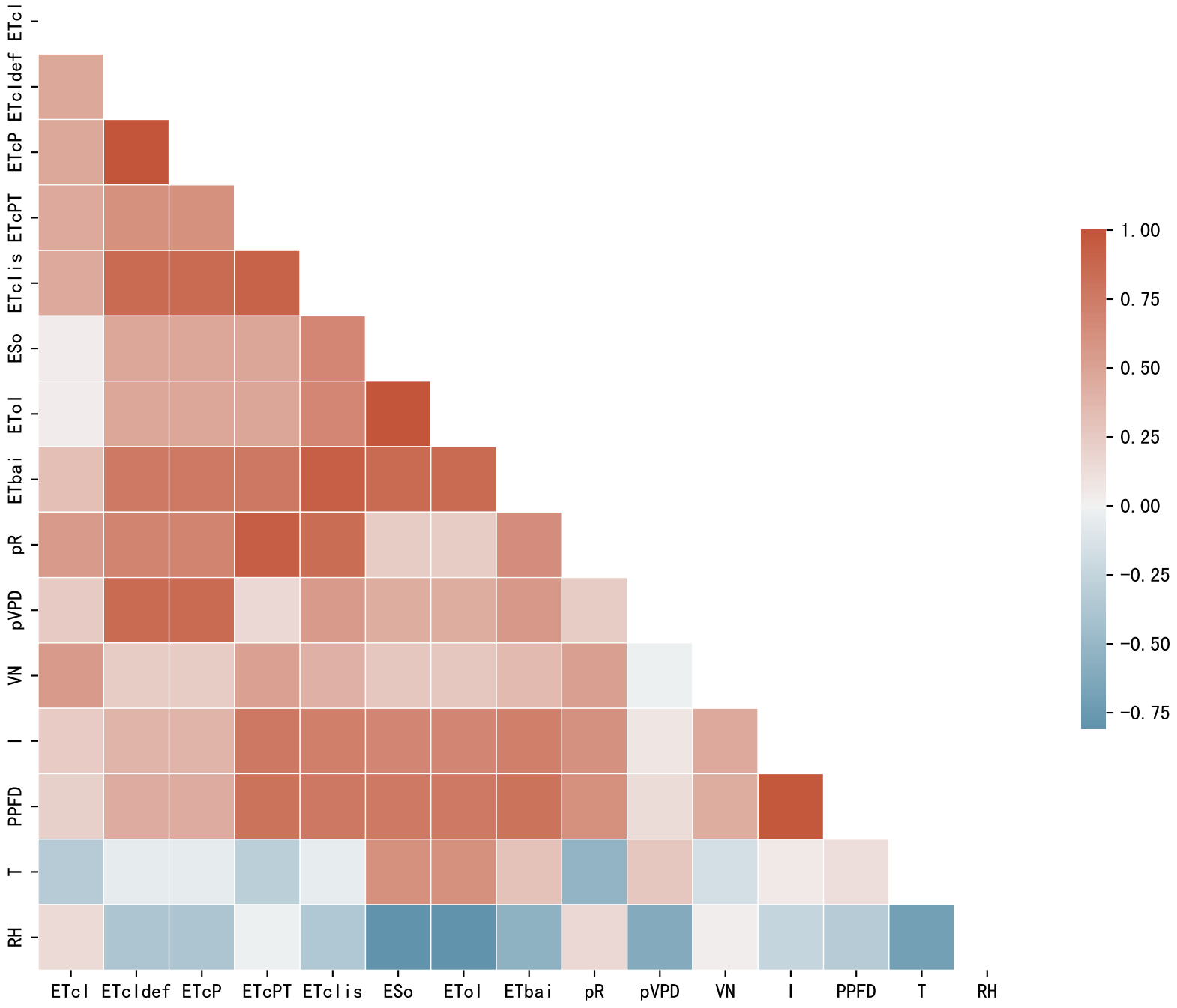


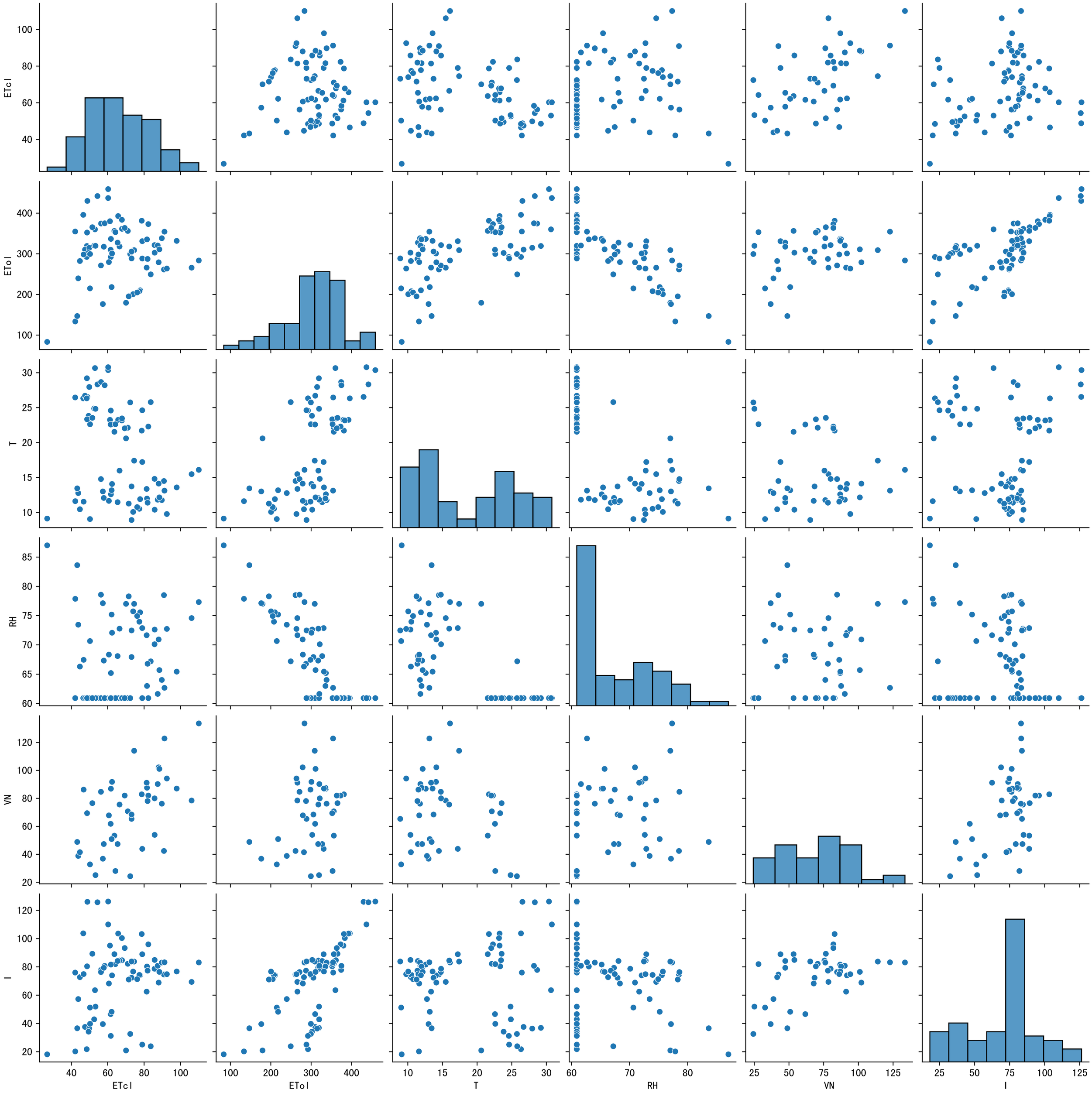


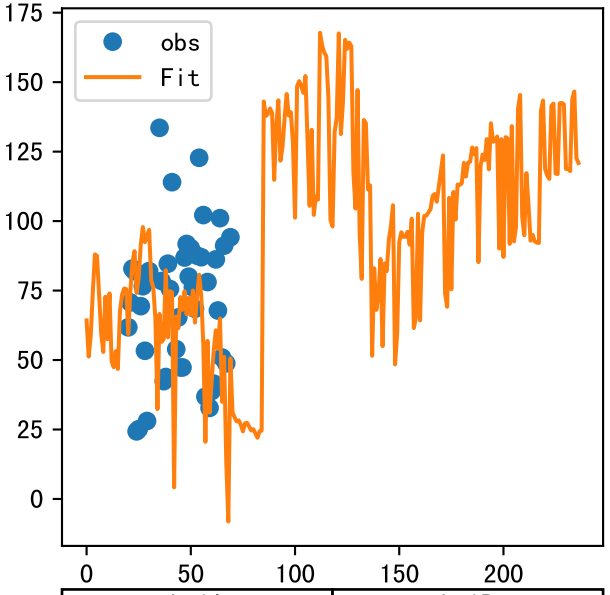


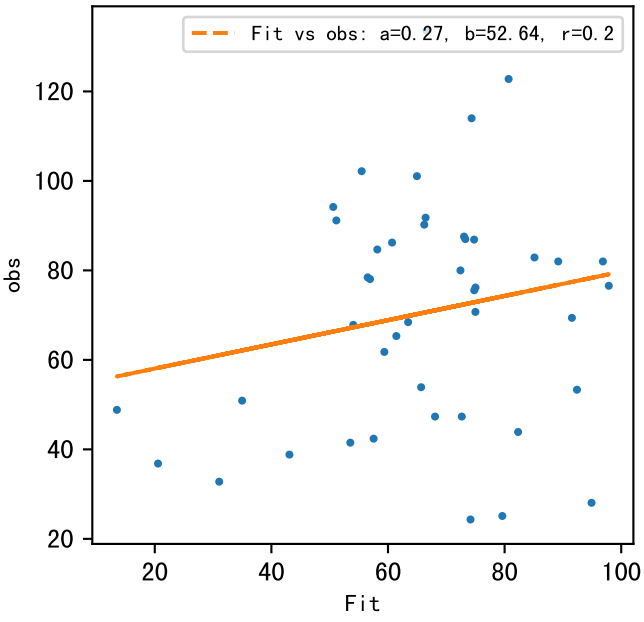




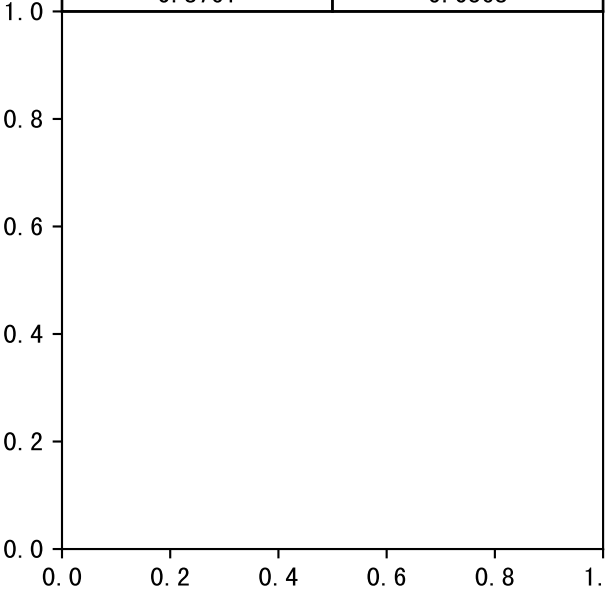

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

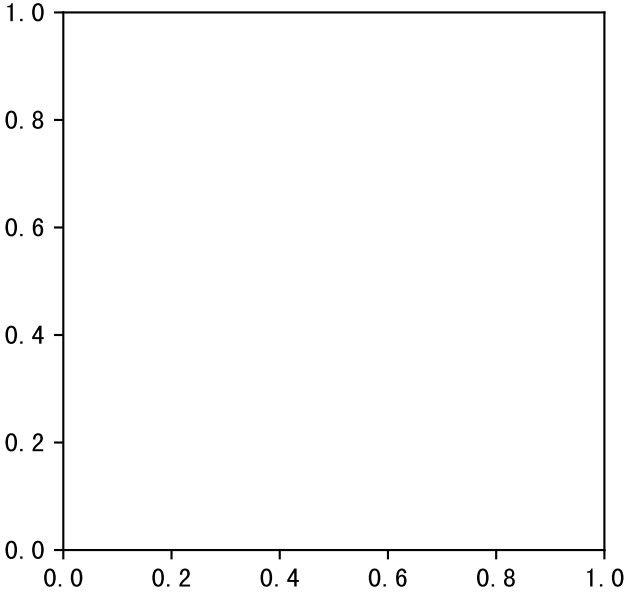

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

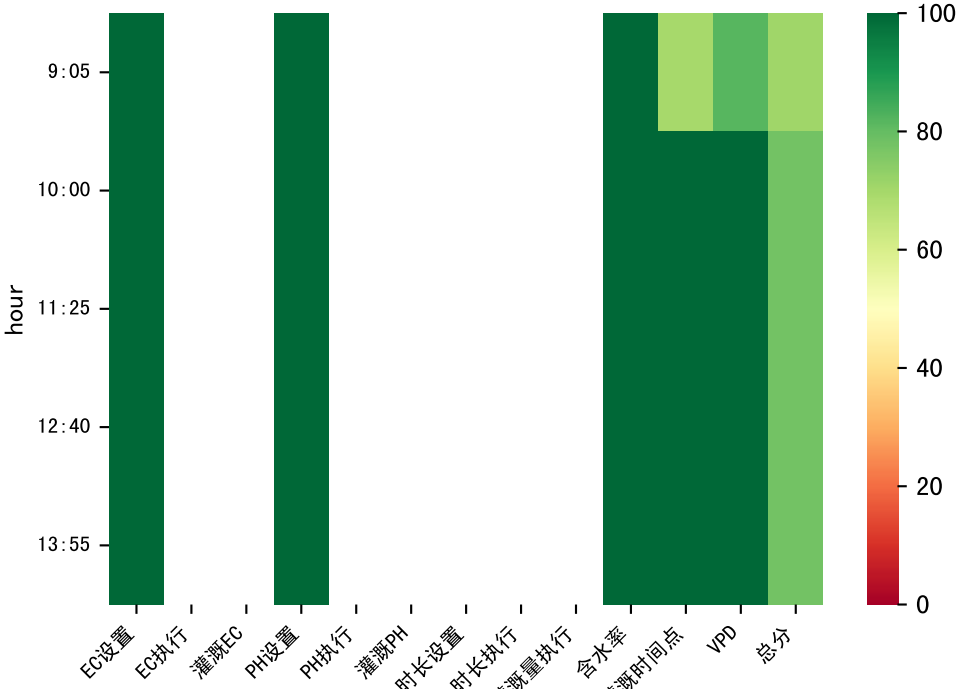




baiA	baiB
0.8761	0.0368

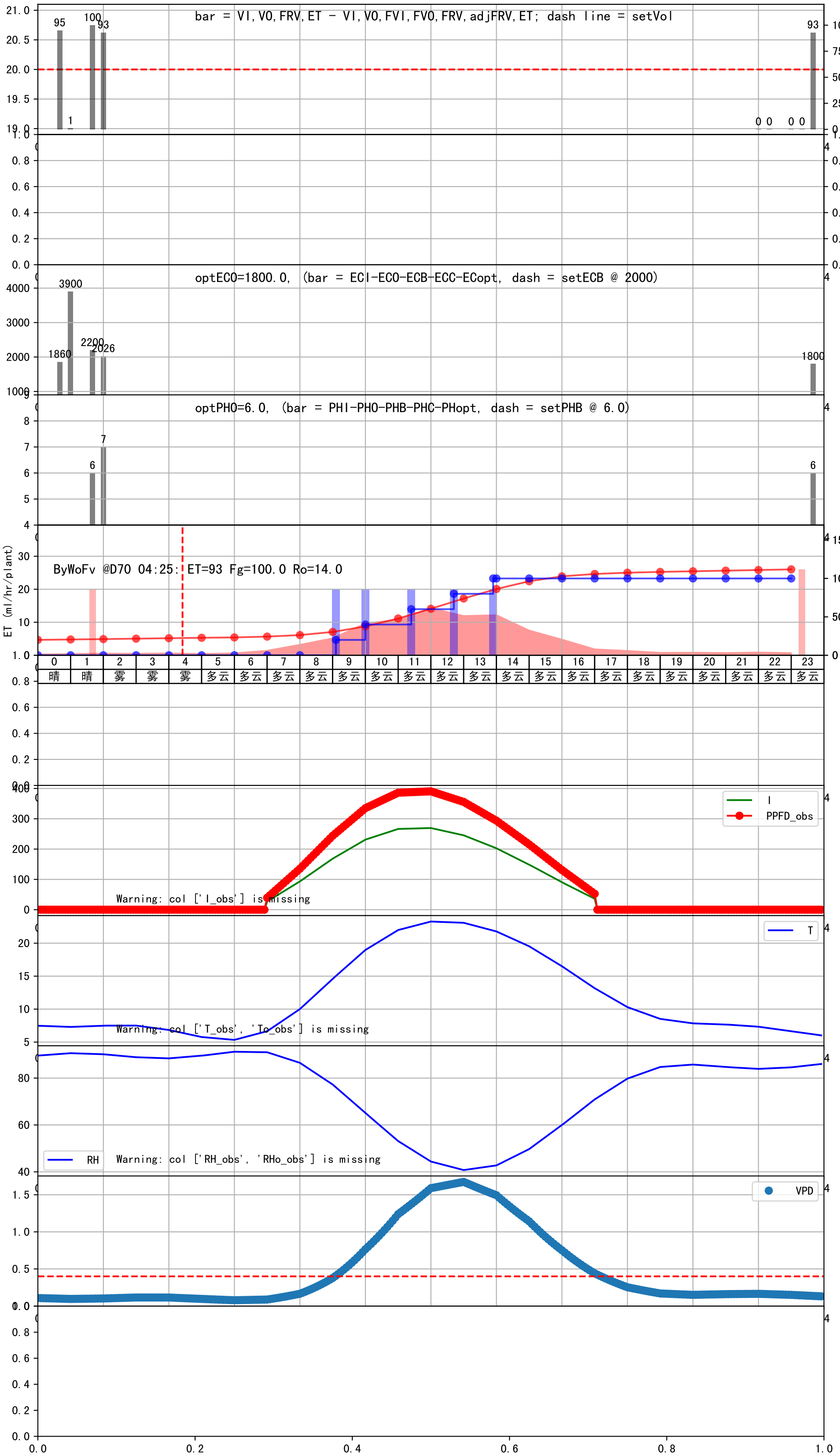


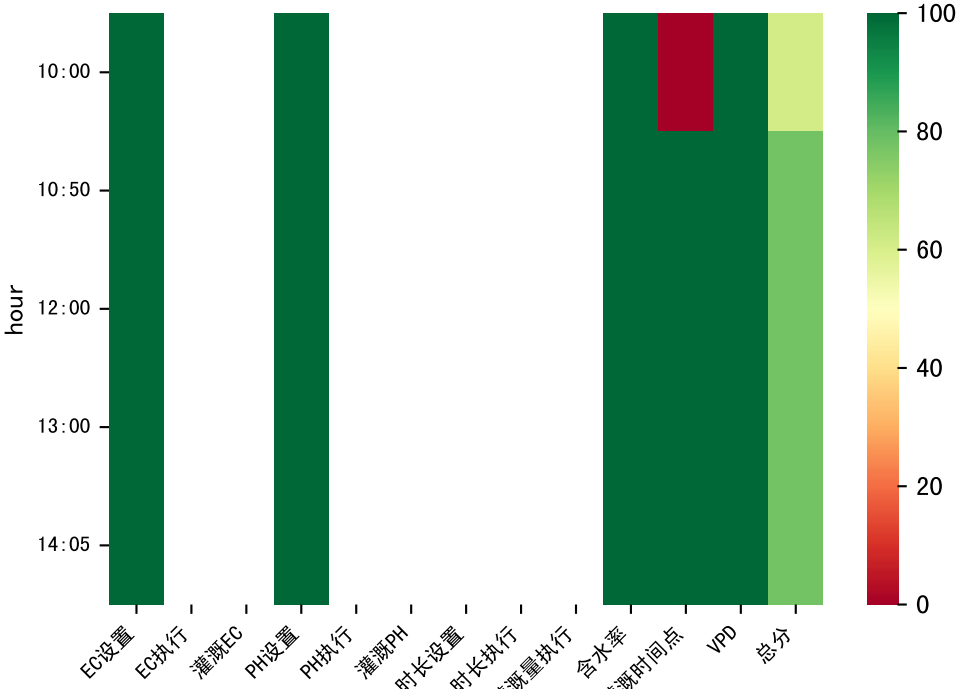



hour
9:05
10:00
11:25
12:40
13:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:05	40	20.0	0.081	多云	预期@09:05 自主（未用传感器）
10:00	40	20.0	0.081	多云	预期@10:00 自主（未用传感器）
11:25	40	20.0	0.081	多云	预期@11:25 自主（未用传感器）
12:40	40	20.0	0.081	多云	预期@12:40 自主（未用传感器）
13:55	40	20.0	0.081	多云	预期@13:55 自主（未用传感器）
总计	200.0 (5次)	100.0			建议进液EC：2000， PH：6.0

L1A4_4, Day=70 (2025-12-15)

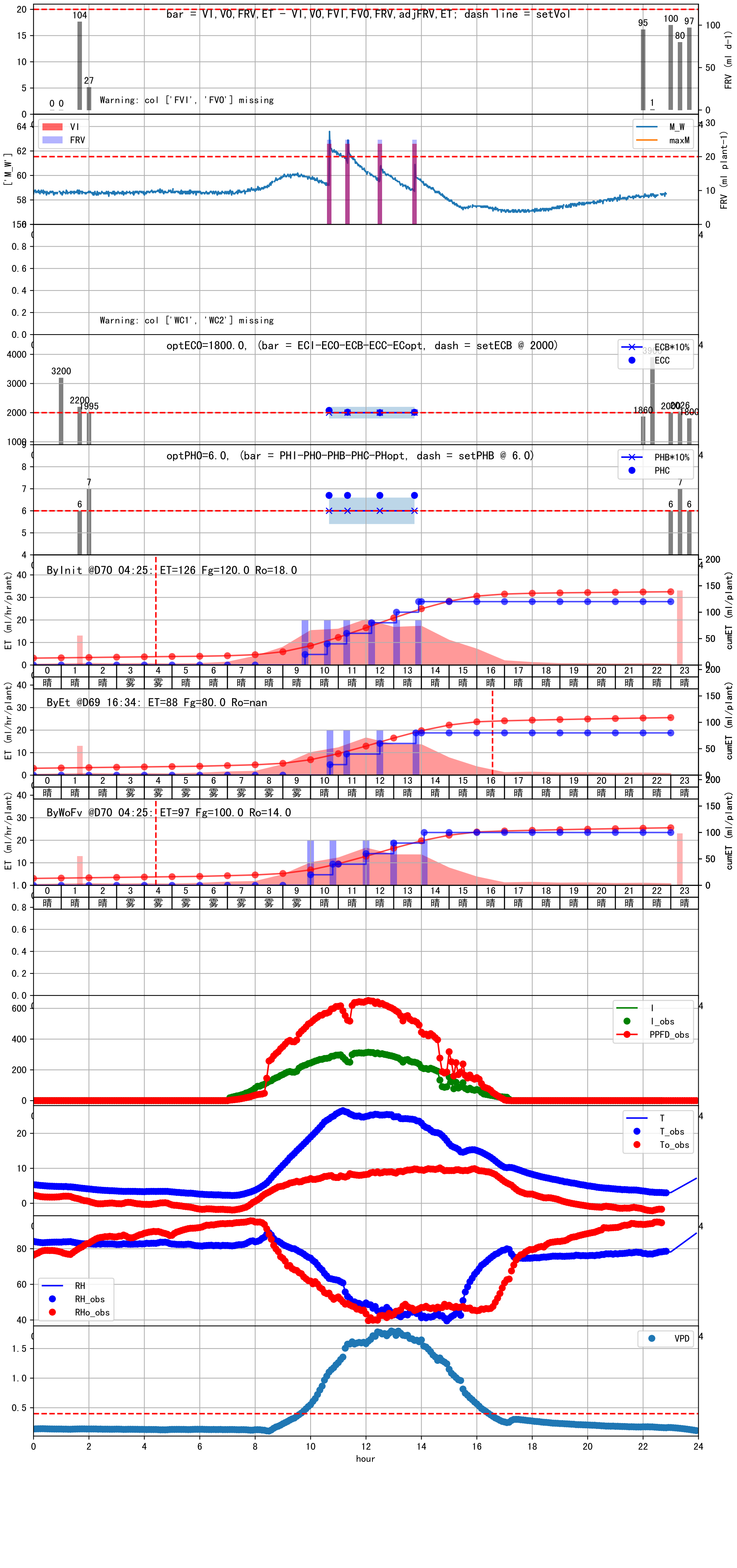


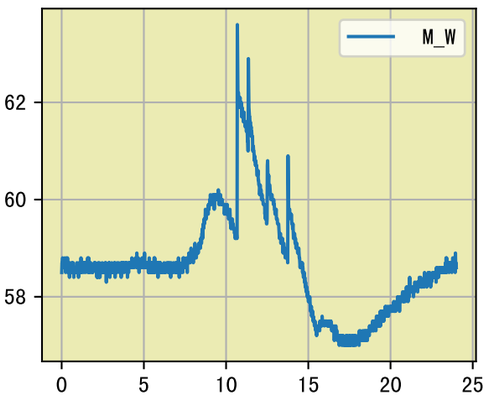

hour
10:00
10:50
12:00
13:00
14:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

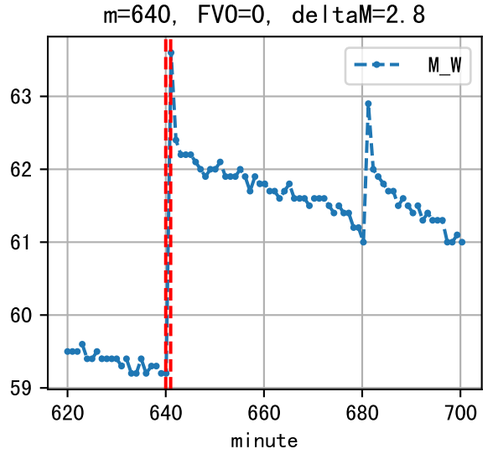
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:00	43	20.0	0.081	晴	假设@10:00 自动（未用传感器）
10:50	43	20.0	0.081	晴	假设@10:50 自动（未用传感器）
12:00	43	20.0	0.081	晴	假设@12:00 自动（未用传感器）
13:00	43	20.0	0.081	晴	假设@13:00 自动（未用传感器）
14:05	43	20.0	0.081	晴	假设@14:05 自动（未用传感器）
总计	215.0 (5次)	100.0			建议进液EC：2000， PH：6.0

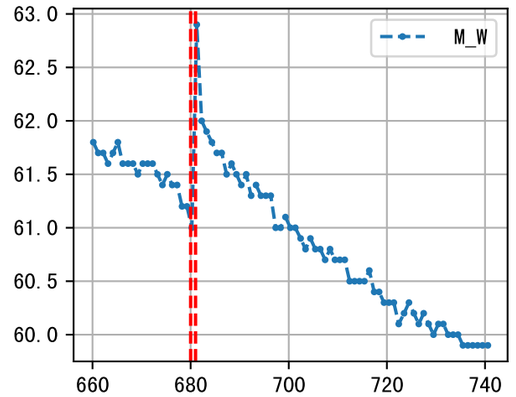
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

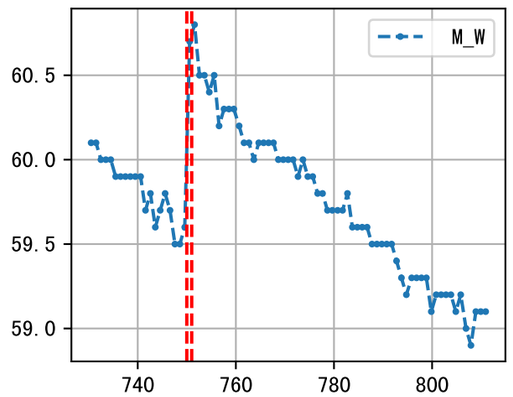
L1A4_4, Day=69 (2025-12-14)

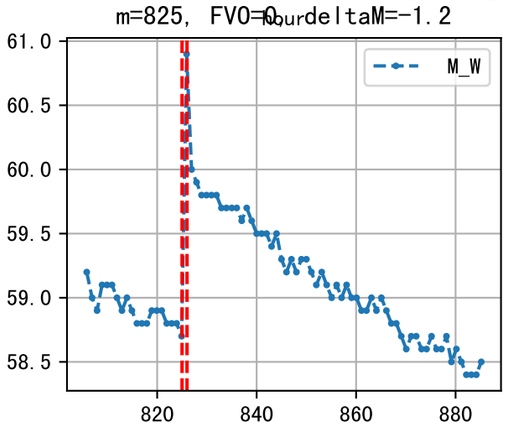


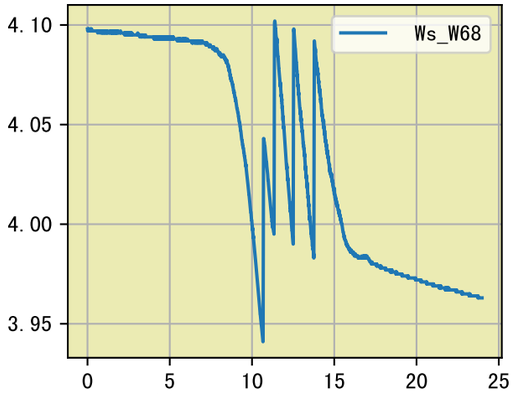

M_W
62
60
58
0
5
10
15
20
25

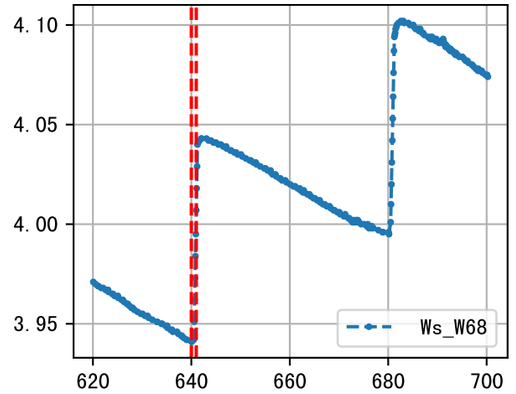

m=640, FV0=0, deltaM=2.8
M_W
63
62
61
60
59
620
640
660
680
700
minute

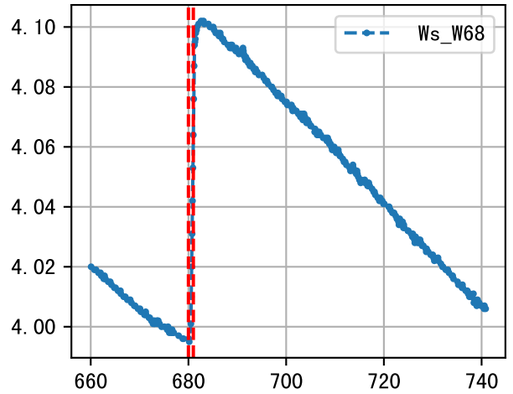

m=680, FV0=0, deltaM=0.4
M_W
63.0
62.5
62.0
61.5
61.0
60.5
60.0
660
680
700
720
740

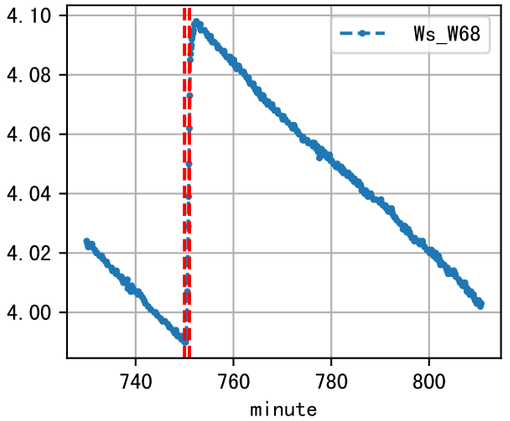

m=750, FV0=0, deltaM=-0.5
M_W
60.5
60.0
59.5
59.0
740
760
780
800

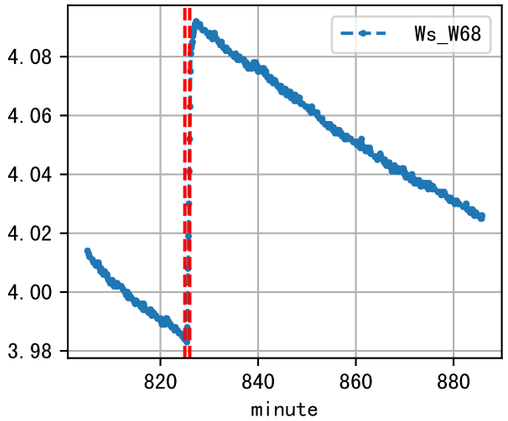

m=825, FV0=0, deltaM=-1.2
M_W
61.0
60.5
60.0
59.5
59.0
58.5
820
840
860
880
minute

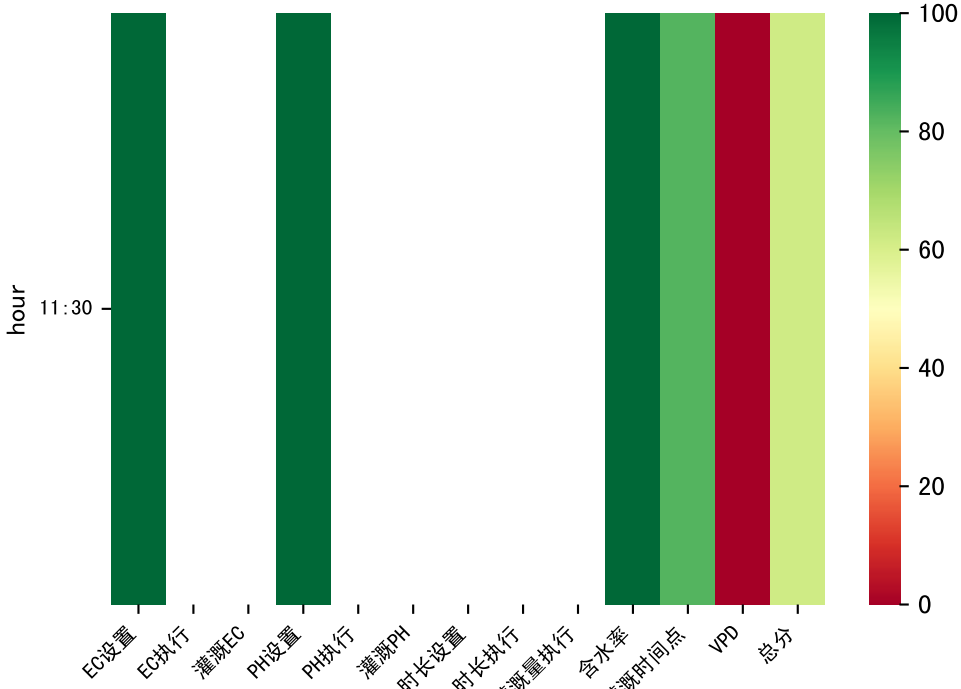

m=640, FV0=0, deltaM=0.09
Ws_W68
4.10
4.05
4.00
3.95
0
5
10
15
20
25
minute


m=680, FV0=0, deltaM=0.1
Ws_W68
4.10
4.05
4.00
3.95
620
640
660
680
700
minute


m=750, FV0=0, deltaM=0.09
Ws_W68
4.10
4.08
4.06
4.04
4.02
4.00
660
680
700
720
740
minute

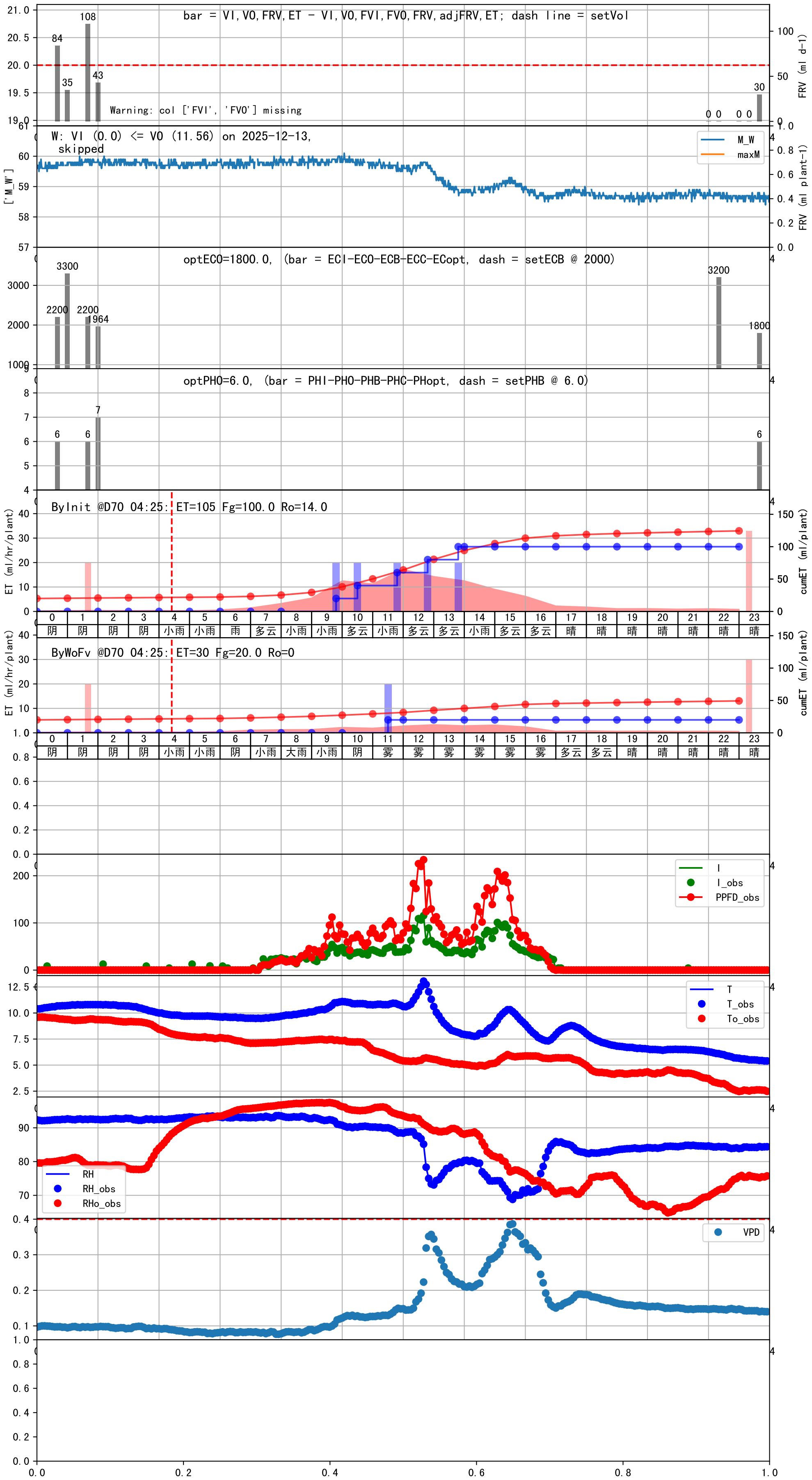

Ws_W68
4.10
4.08
4.06
4.04
4.02
4.00
740
760
780
800
minute

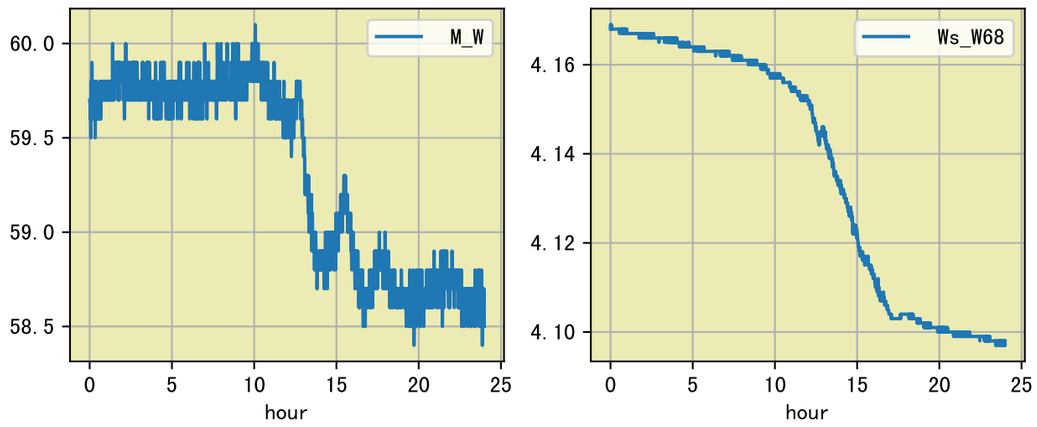

m=825, FV0=0, deltaM=0.1
Ws_W68
4.08
4.06
4.04
4.02
4.00
3.98
820
840
860
880
minute


hour
11:30
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

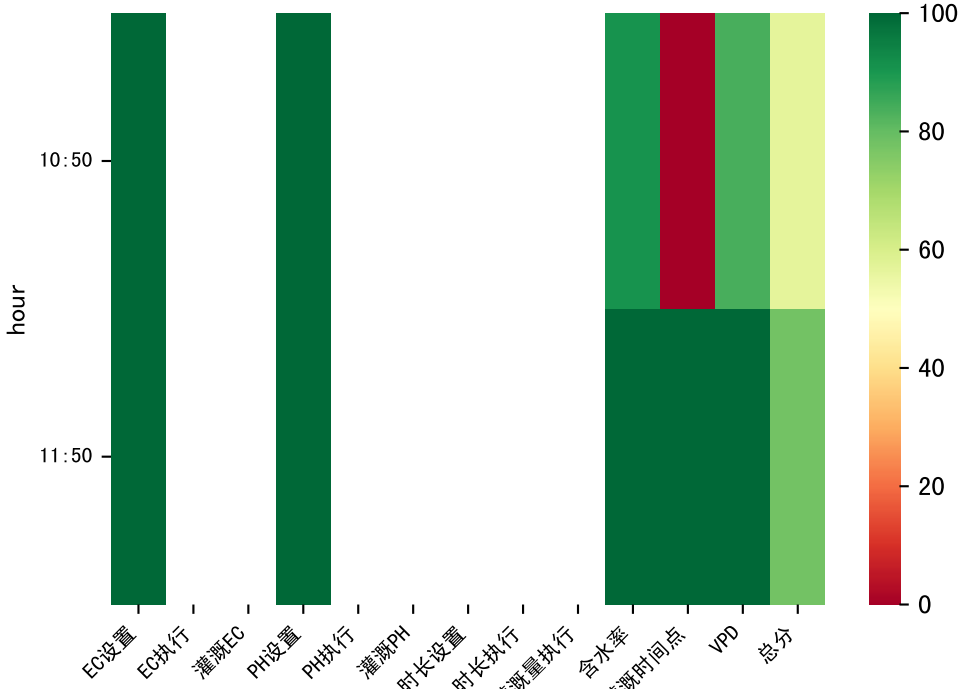
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
11:30	43	20.0	0.081	雾	假设@11:30 未知程序（未用传感器）
总计	43.0 (1次)	20.0			建议进液EC：2000， PH：6.0

L1A4_4, Day=68 (2025-12-13)




M_W
60.0
59.5
59.0
58.5
0
5
10
15
20
25
hour

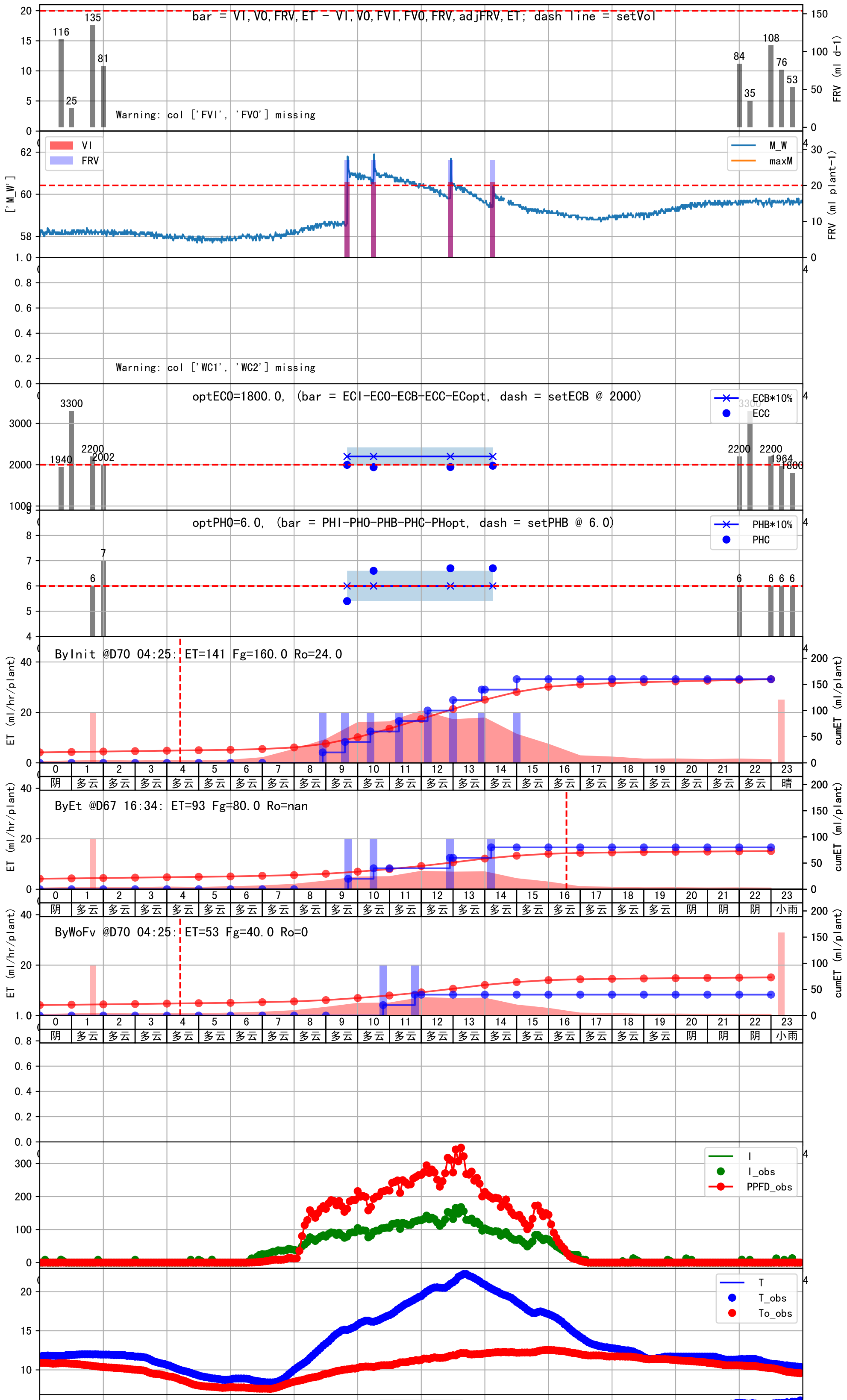
Ws_W68
4.16
4.14
4.12
4.10
0
5
10
15
20
25
hour

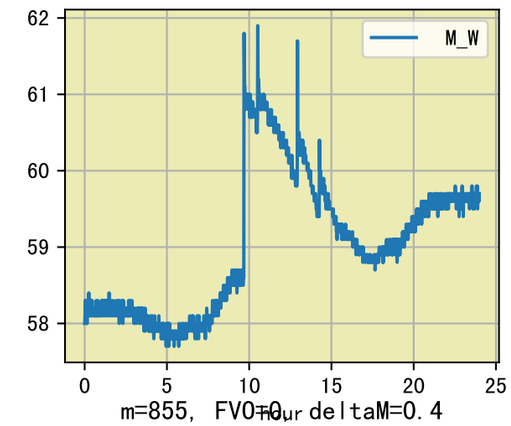

hour
10:50
11:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

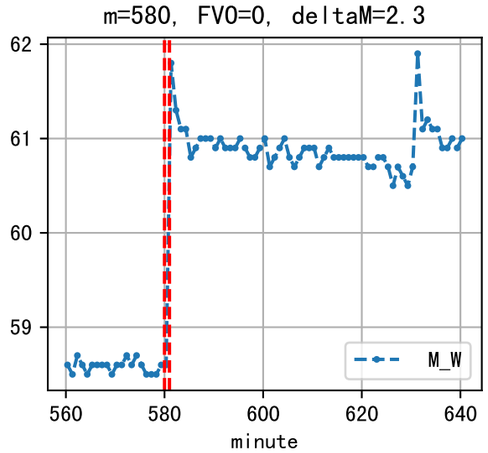
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:50	45	20.0	0.081	多云	假设@10:50 自动（未用传感器）
11:50	45	20.0	0.081	多云	假设@11:50 自动（未用传感器）
总计	90.0 (2次)	40.0			建议进液EC：2000， PH：6.0

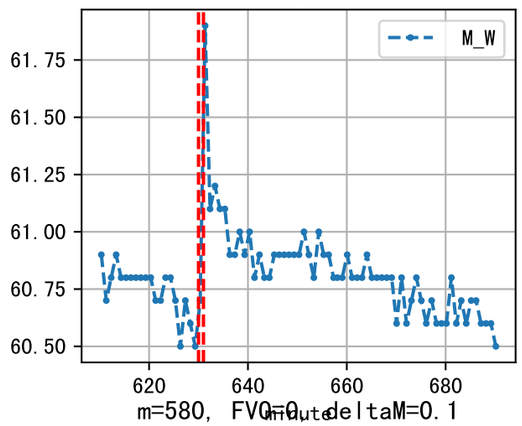
施肥机灌溉量与预期值不符 (27.0 : 19.0)，可能水表需要校准
默认实际灌溉19.0 ml.

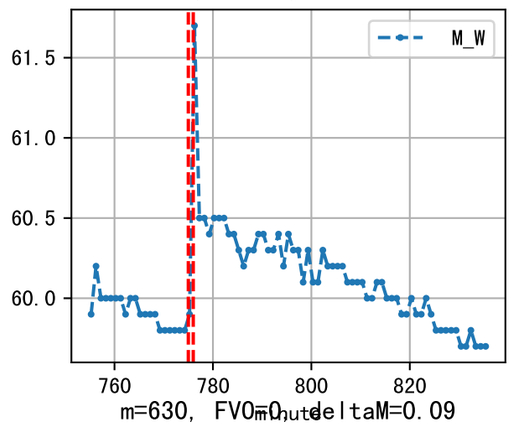
L1A4_4, Day=67 (2025-12-12)

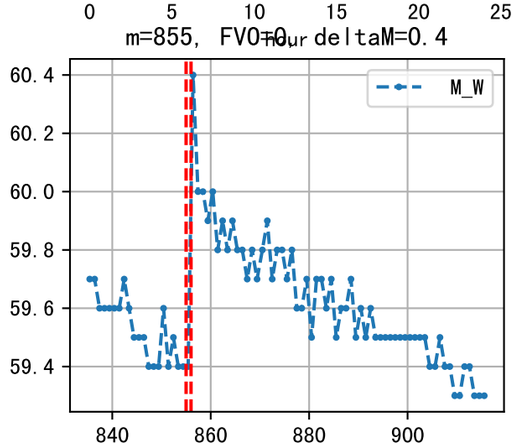


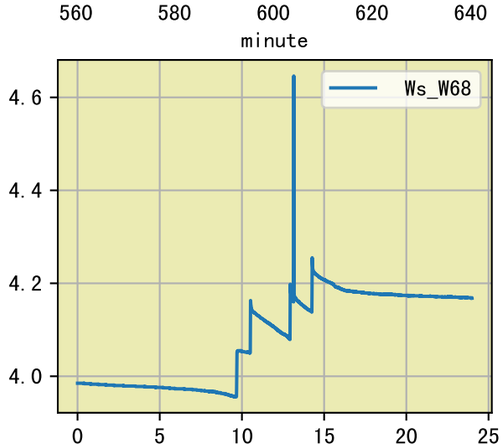

M_W
62
61
60
59
58
0
5
10
15
20
25

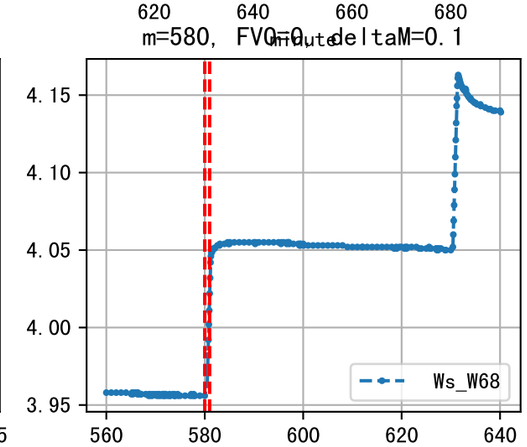

m=580, FV0=0, deltaM=2.3
M_W
62
61
60
59
560
580
600
620
640
minute

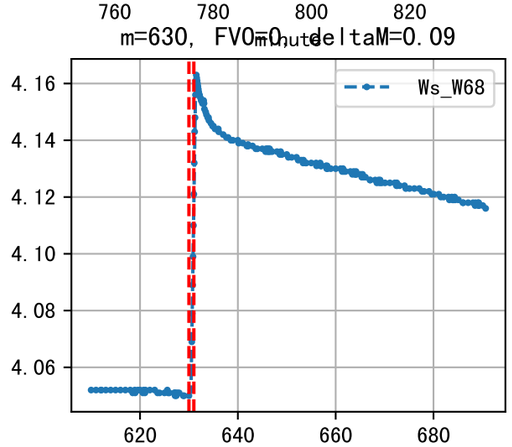

m=630, FV0=0, deltaM=0.3
M_W
61.75
61.50
61.25
61.00
60.75
60.50
620
640
660
680

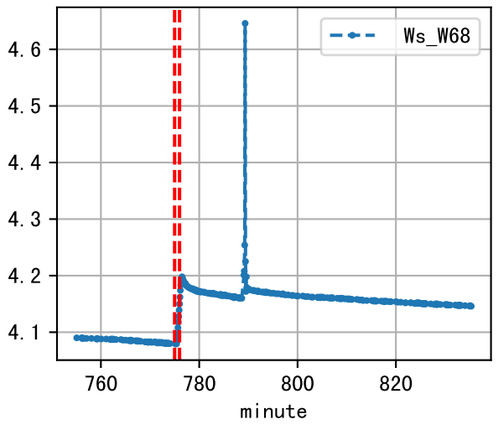

m=775, FV0=0, deltaM=0.4
M_W
61.5
61.0
60.5
60.0
760
780
800
820

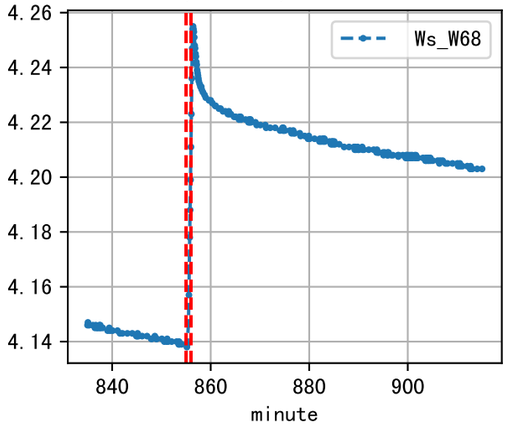

m=855, FV0=0, deltaM=0.4
M_W
60.4
60.2
60.0
59.8
59.6
59.4
840
860
880
900

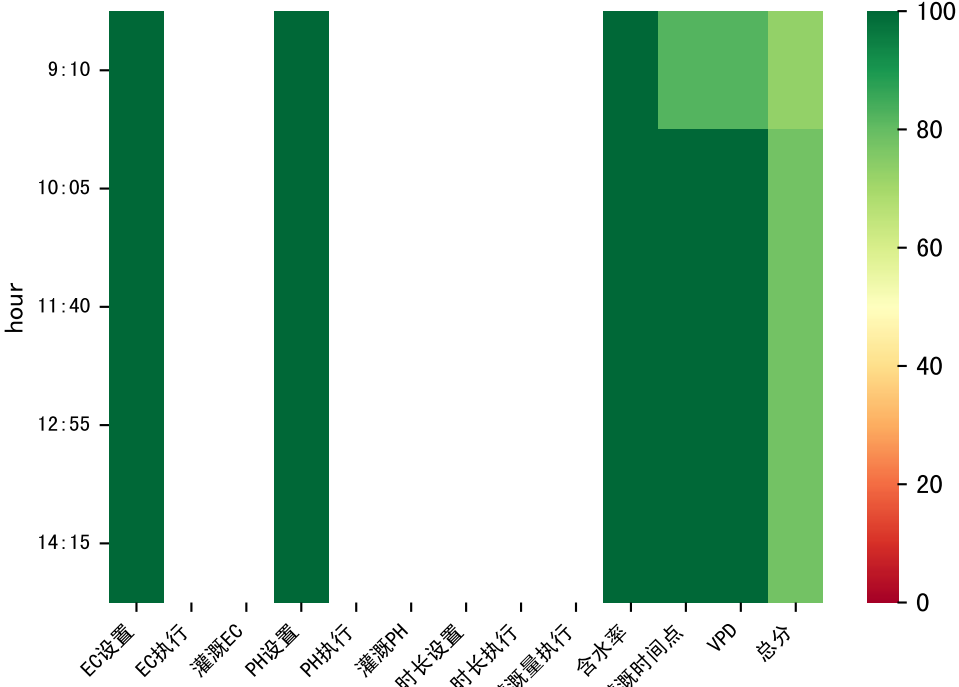

Ws_W68
4.6
4.4
4.2
4.0
0
5
10
15
20
25


m=580, FV0=0, deltaM=0.1
Ws_W68
4.15
4.10
4.05
4.00
3.95
560
580
600
620
640
minute


m=630, FV0=0, deltaM=0.09
Ws_W68
4.16
4.14
4.12
4.10
4.08
4.06
620
640
660
680
minute


m=775, FV0=0, deltaM=0.08
Ws_W68
4.6
4.5
4.4
4.3
4.2
4.1
760
780
800
820
minute

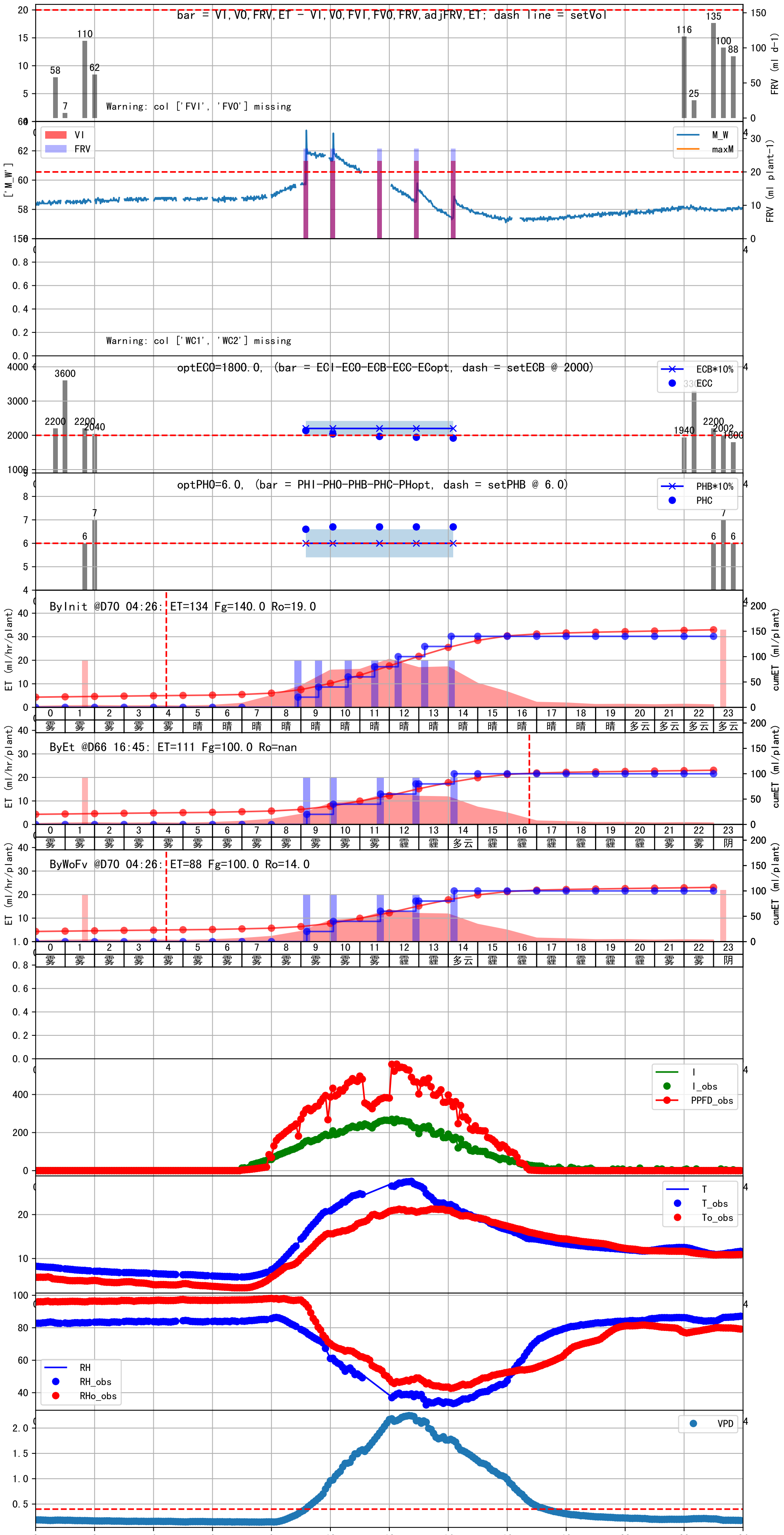

m=855, FV0=0, deltaM=0.08
Ws_W68
4.26
4.24
4.22
4.20
4.18
4.16
4.14
840
860
880
900
minute

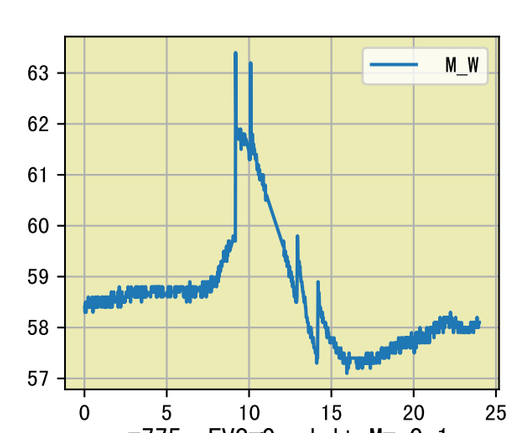

hour
9:10
10:05
11:40
12:55
14:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

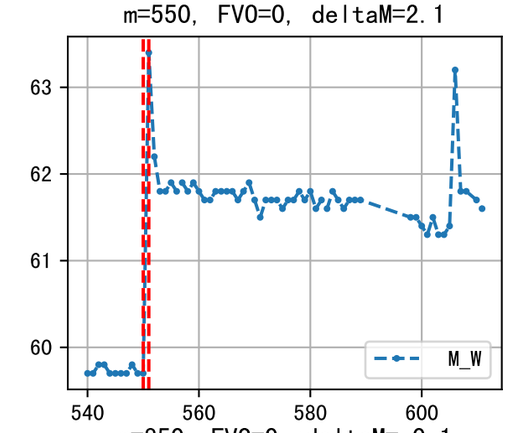
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:10	47	20.0	0.081	雾	假设@09:10 自动（未用传感器）
10:05	47	20.0	0.081	雾	假设@10:05 自动（未用传感器）
11:40	47	20.0	0.081	雾	假设@11:40 自动（未用传感器）
12:55	47	20.0	0.081	霾	假设@12:55 自动（未用传感器）
14:15	47	20.0	0.081	多云	假设@14:15 自动（未用传感器）
总计	235.0 (5次)	100.0			建议进液EC：2000， PH：6.0

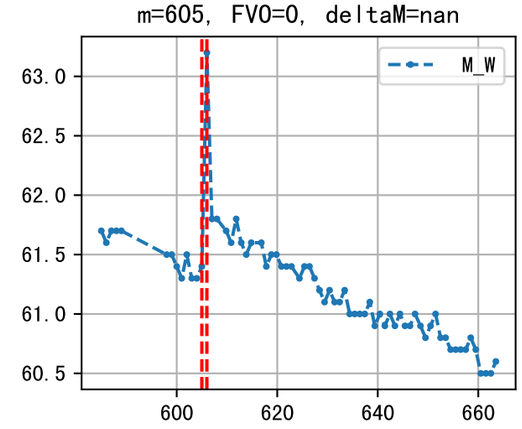
施肥机灌溉量与预期值不符 (27.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

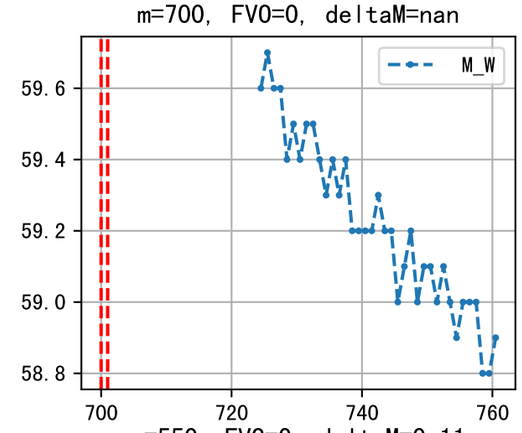
L1A4_4, Day=66 (2025-12-11)

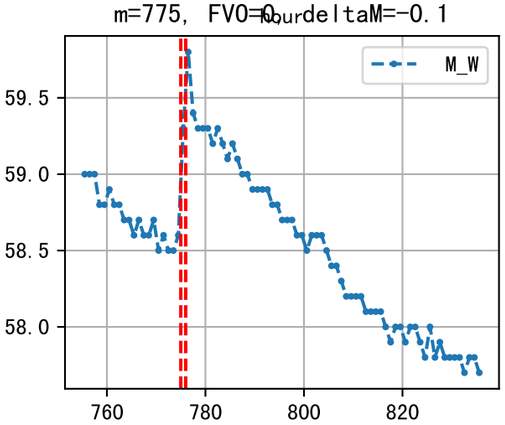


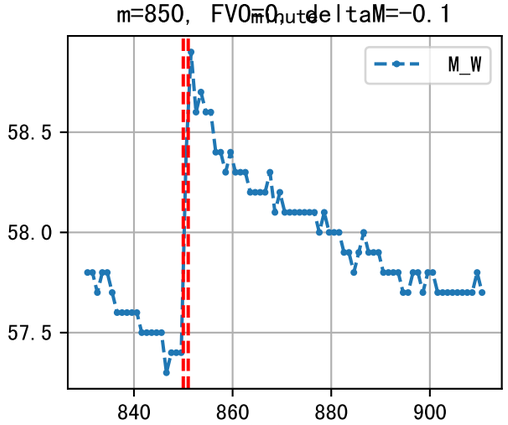

M_W

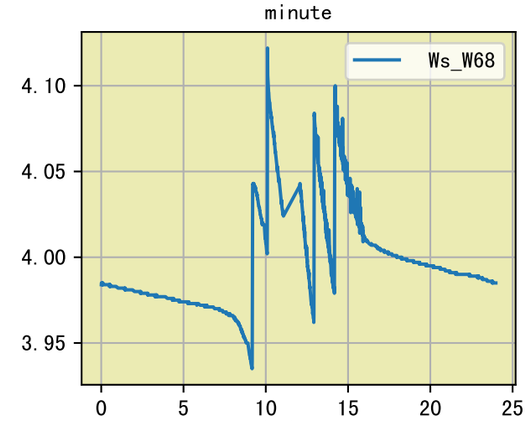

m=550, FV0=0, deltaM=2.1
M_W

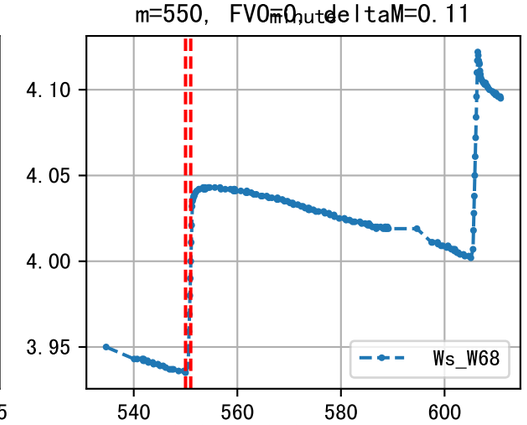

m=605, FV0=0, deltaM=nan
M_W
minute

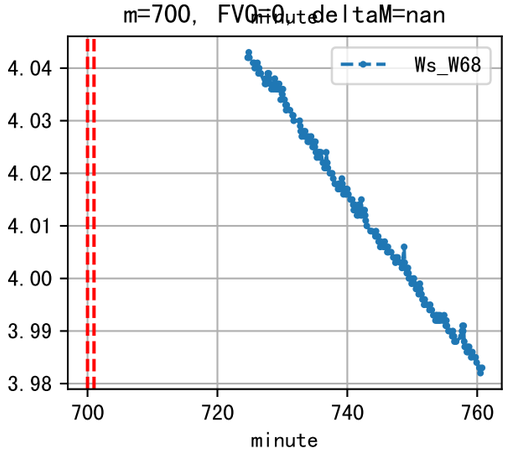

m=700, FV0=0, deltaM=nan
M_W

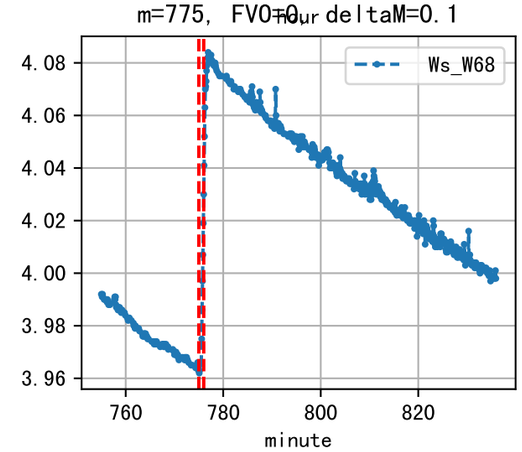

m=775, FV0=0, deltaM=-0.1
M_W
minute

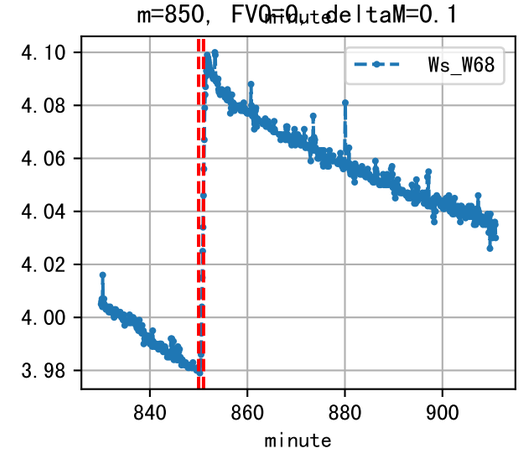

m=850, FV0=0, deltaM=-0.1
M_W
minute


m=550, FV0=0, deltaM=0.11
Ws_W68
minute


m=605, FV0=0, deltaM=0.09
Ws_W68
minute


m=700, FV0=0, deltaM=nan
Ws_W68
minute


m=775, FV0=0, deltaM=0.1
Ws_W68
minute


m=850, FV0=0, deltaM=0.1
Ws_W68
minute