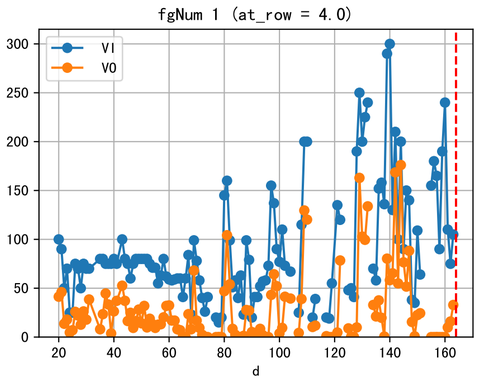
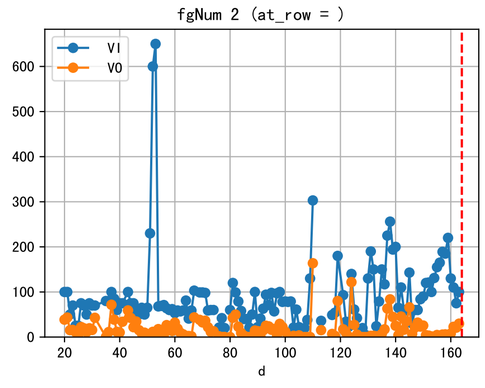
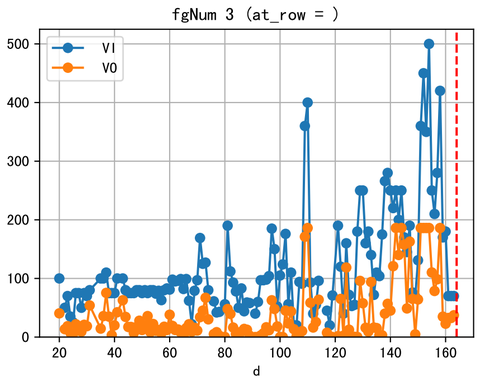
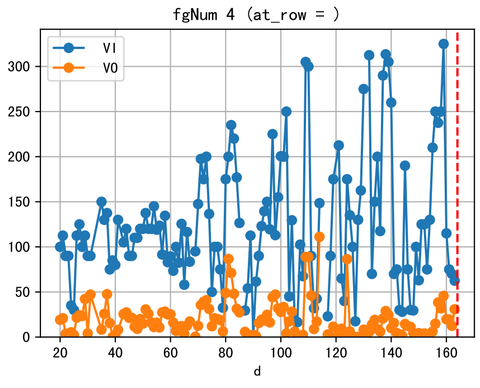
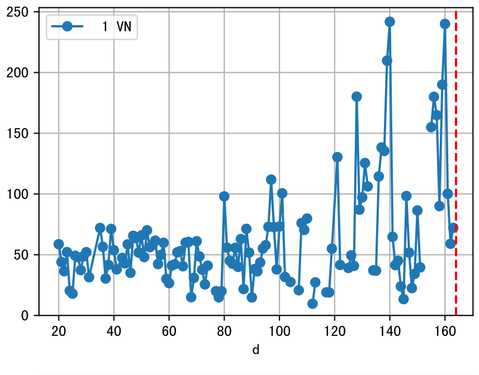
FgArea: ['1']
NJ15 L1
2026-03-19 (Day 164)

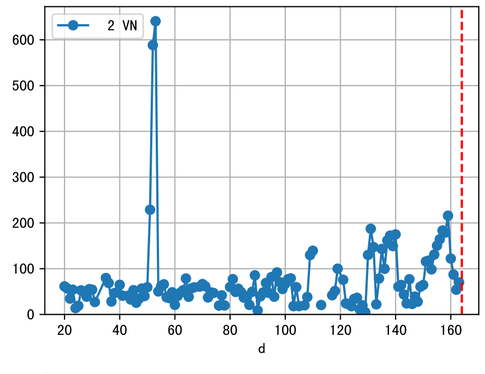

fgNum 1 (at_row = 4.0)
VI
VO
d

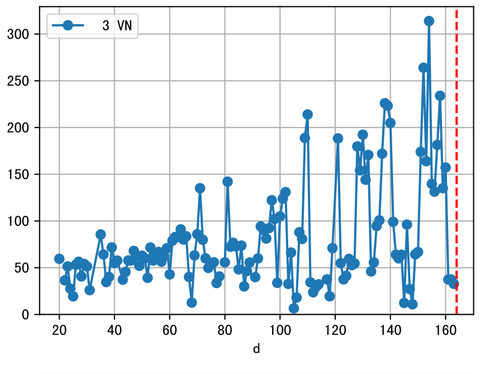

fgNum 2 (at_row =)
VI
VO
d

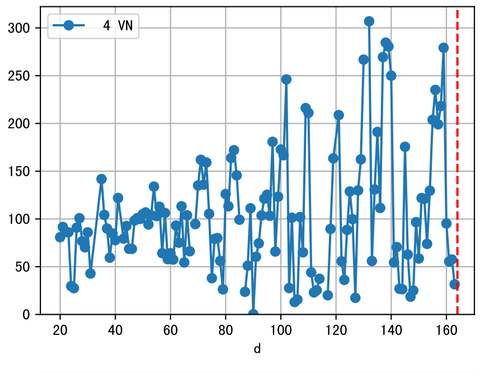

fgNum 3 (at_row =)
VI
VO
d

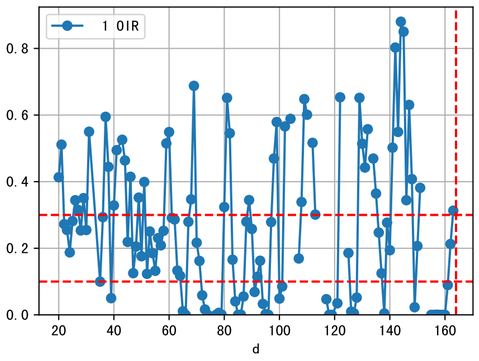

fgNum 4 (at_row =)
VI
VO
d

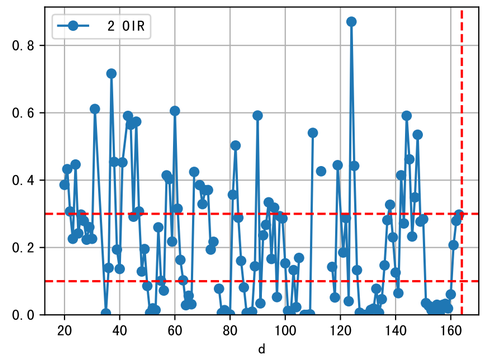

1 VN
d

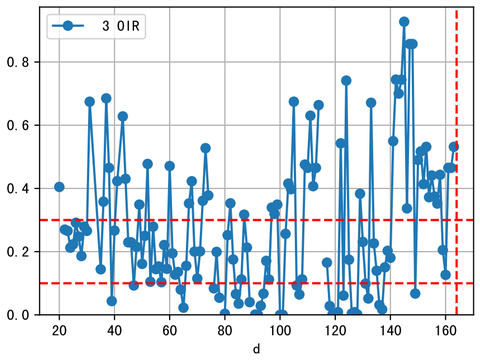

2 VN
d

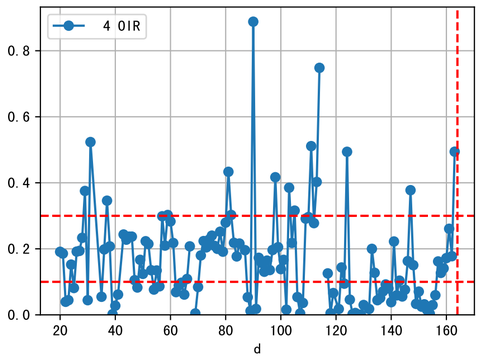

3 VN
d

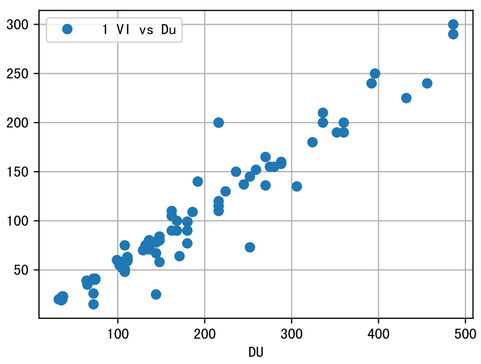

4 VN
d

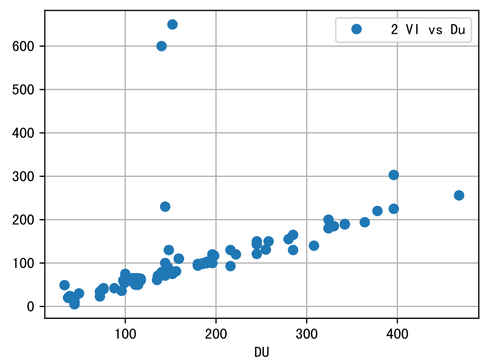

1 OIR
d

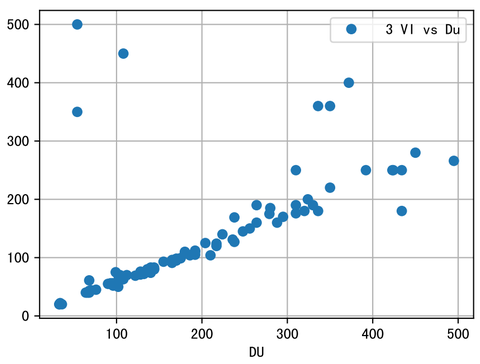

2 OIR
d

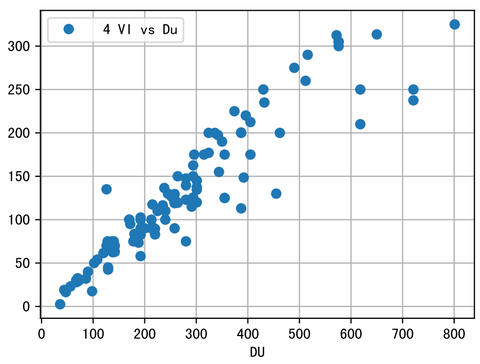

3 OIR
d

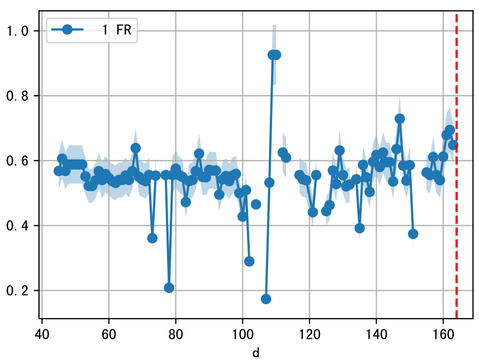

4 OIR
d

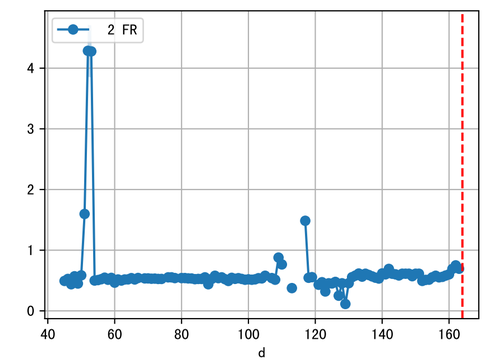

1 VI vs Du
DU

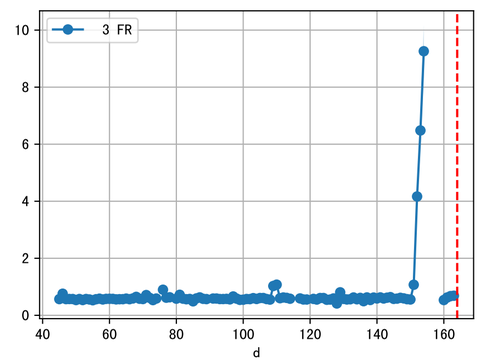

2 VI vs Du
DU

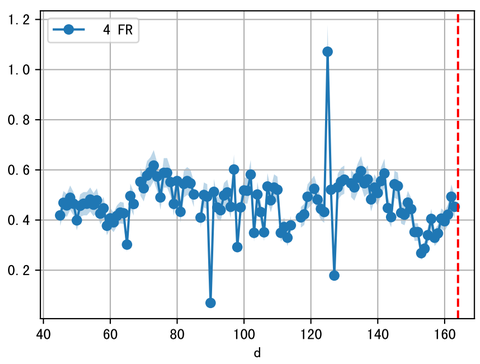

3 VI vs Du
DU

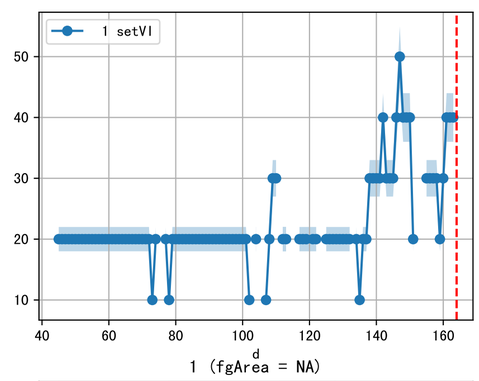

4 VI vs Du
DU

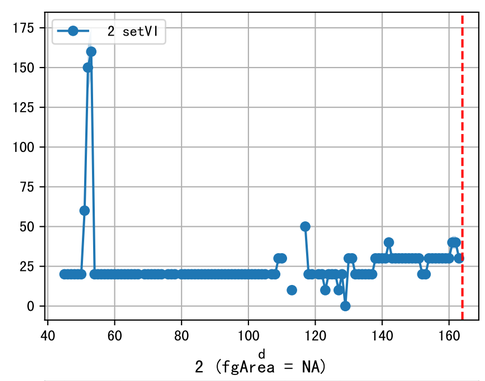

1 FR
d

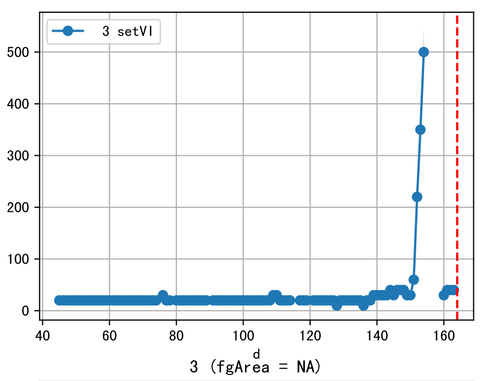

2 FR
d

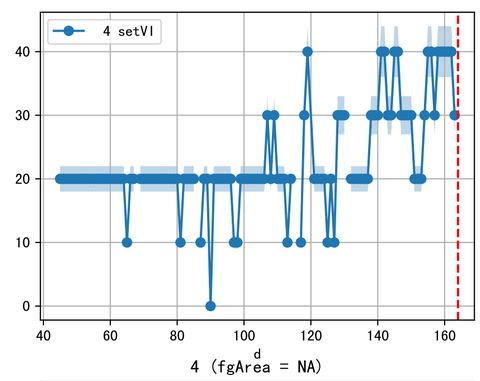

3 FR
d

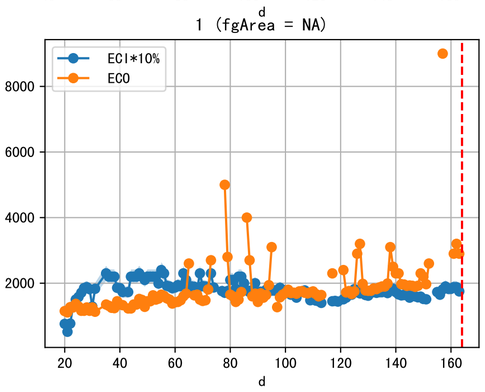

4 FR
d

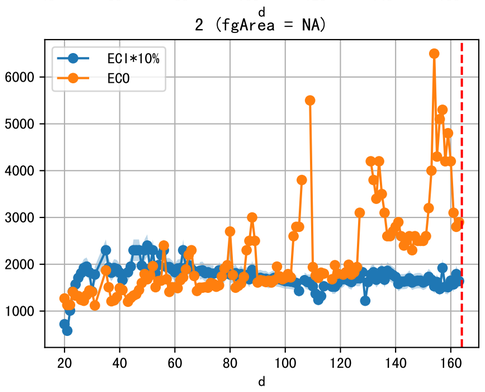

1 setVI
d

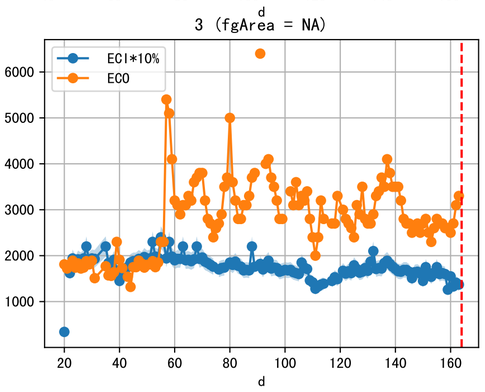

2 setVI
d

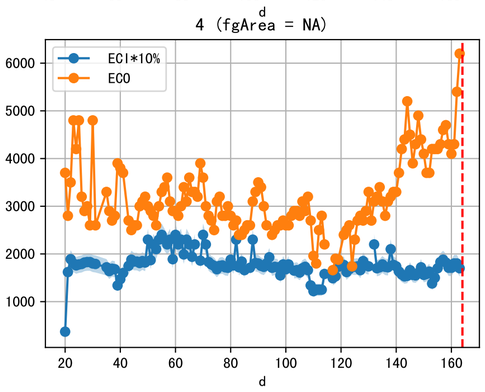

3 setVI
d

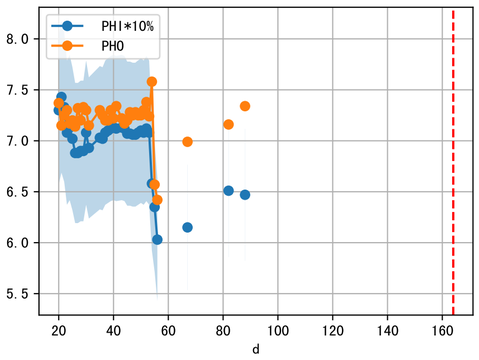
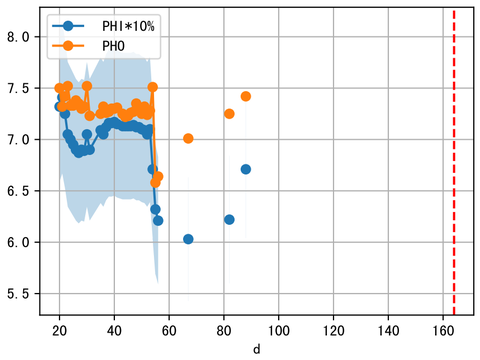
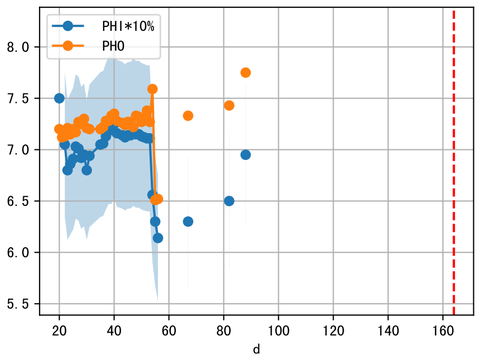
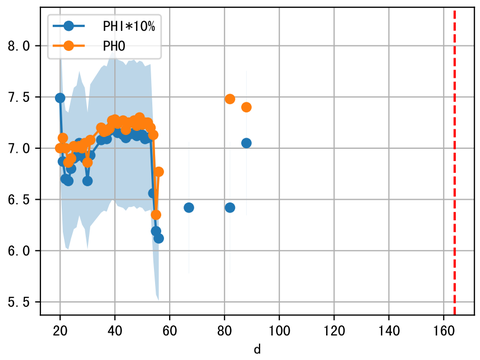

4 setVI
d

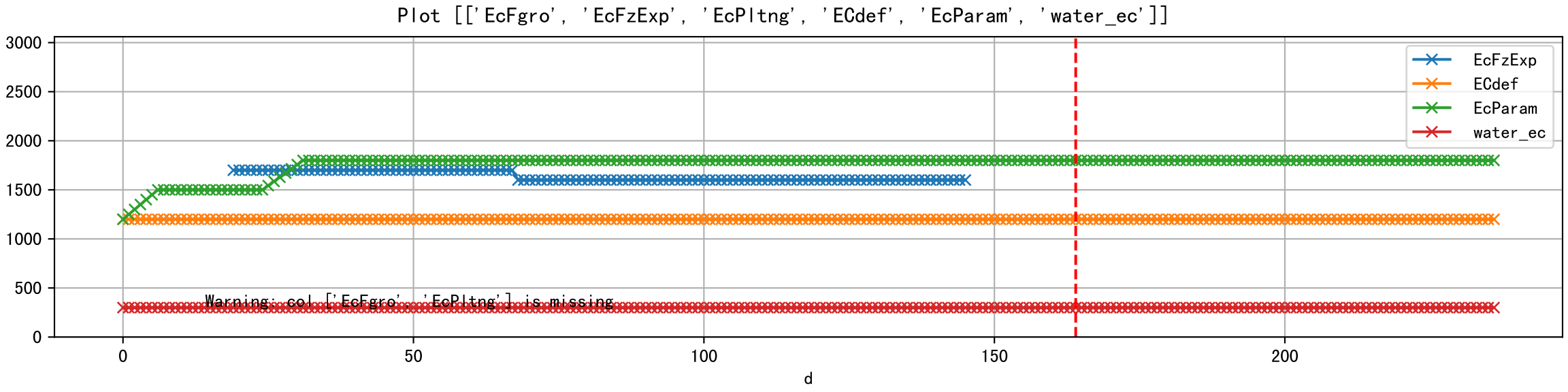

1 (fgArea = NA)
ECI*10%
ECO
d

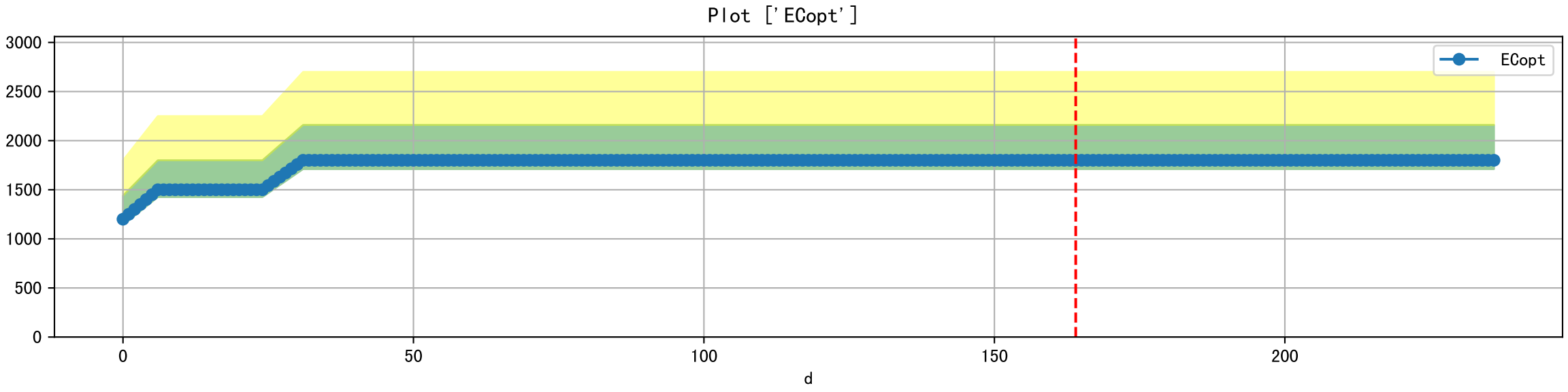

2 (fgArea = NA)
ECI*10%
ECO
d

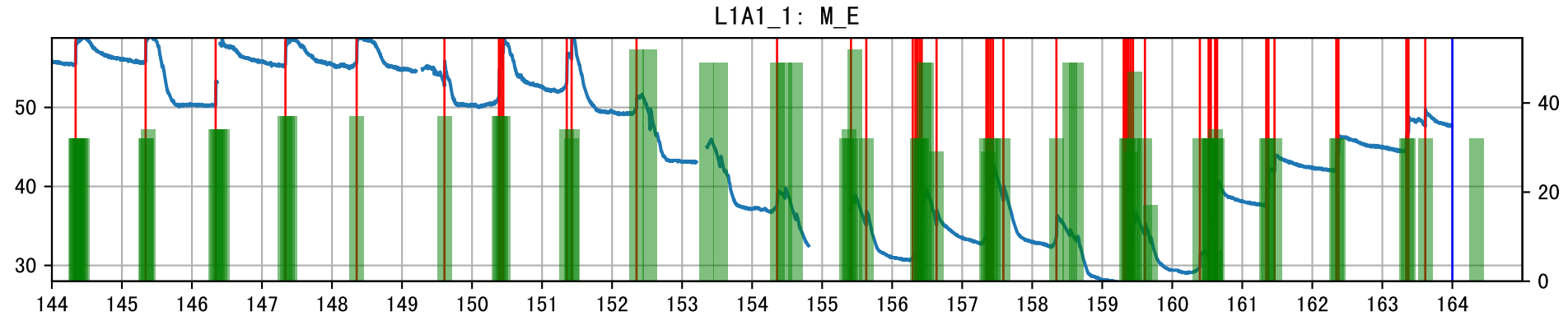

3 (fgArea = NA)
ECI*10%
ECO
d


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

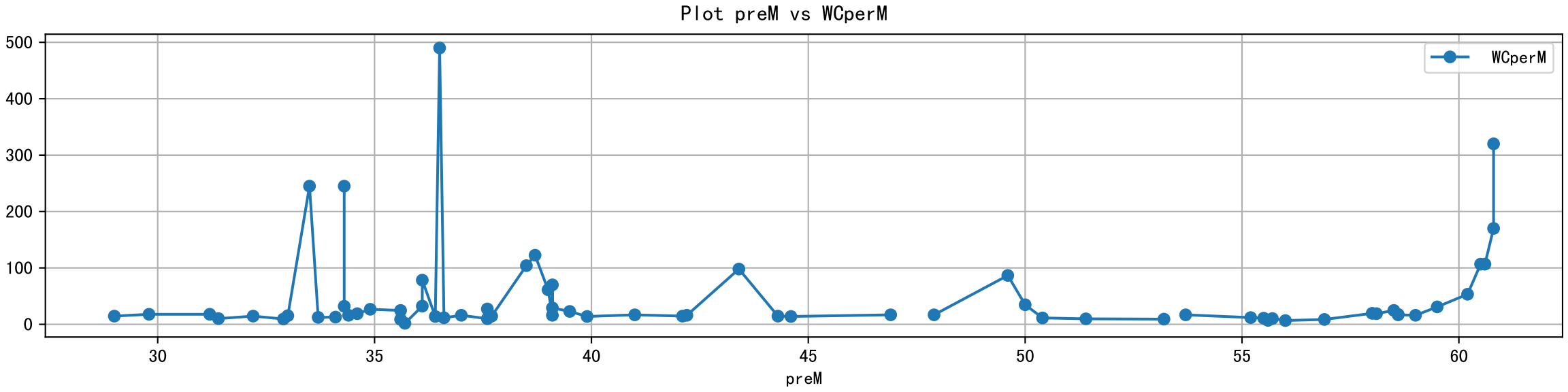

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
160
d

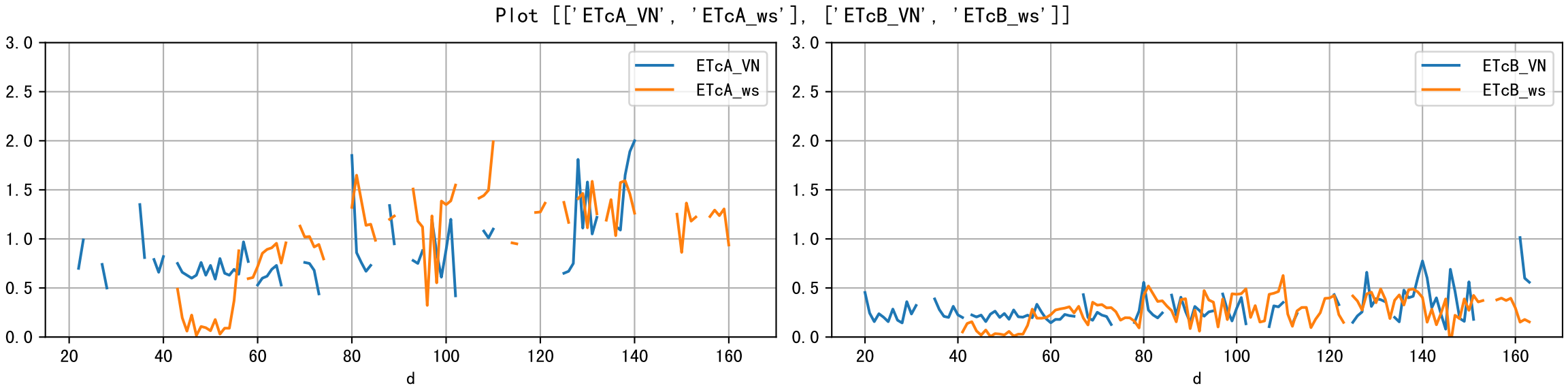

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

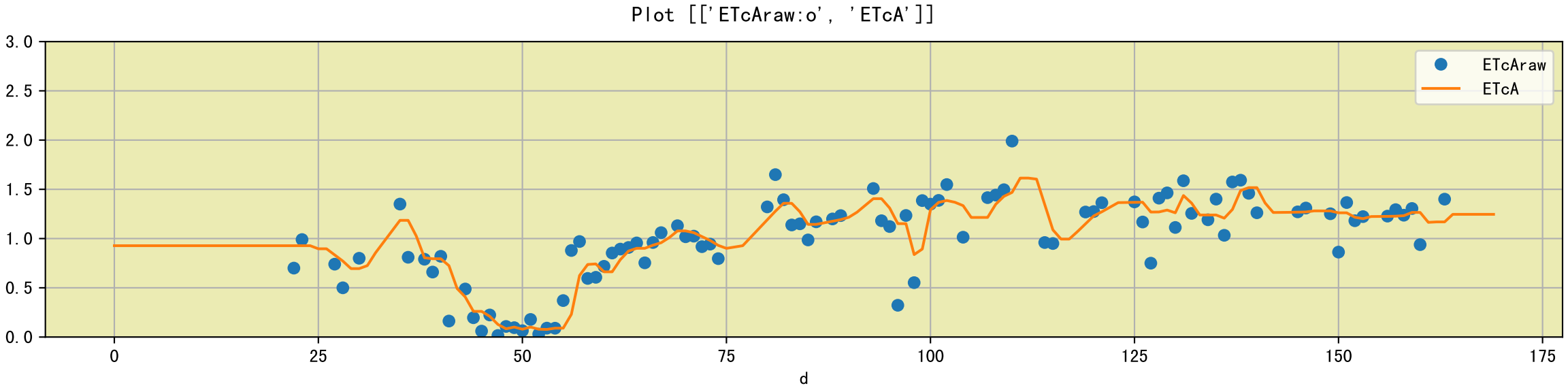

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

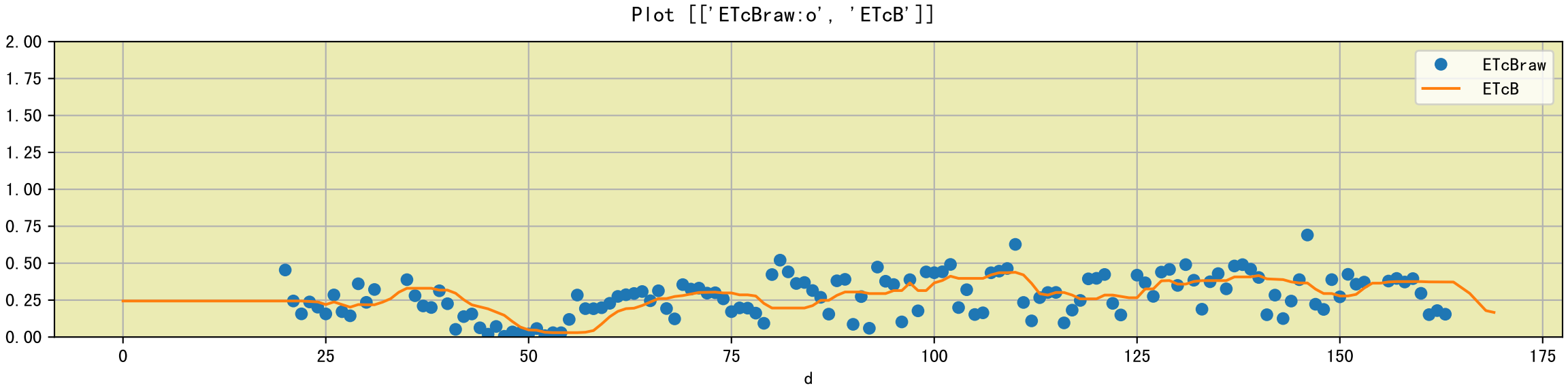

L1A1_1: M_E
50
40
30
40
20
0
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164

Plot Sensor and FgRec Data

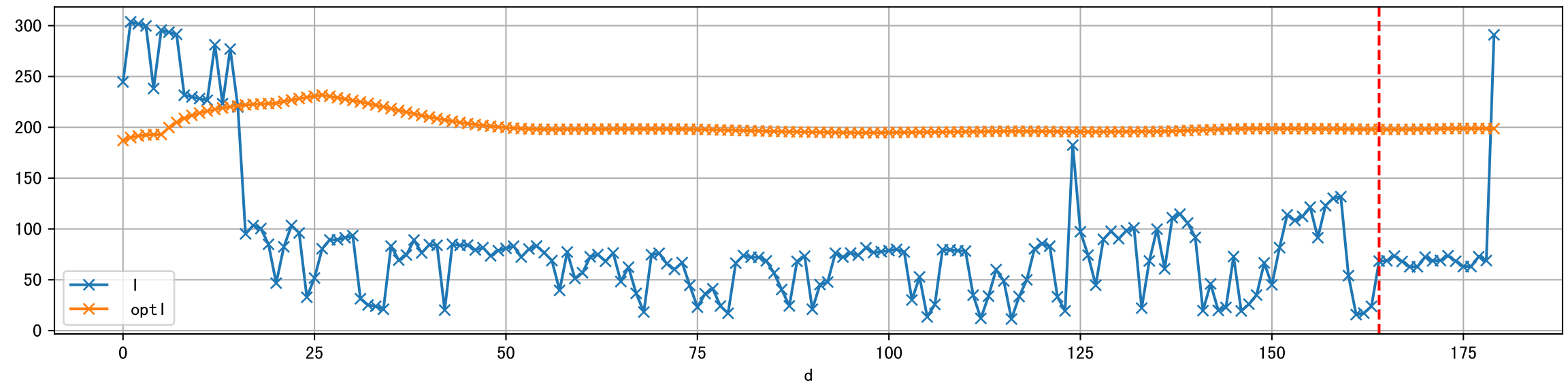

Plot preM vs WCperM
WCperM
500
400
300
200
100
0
30
35
40
45
50
55
60
preM

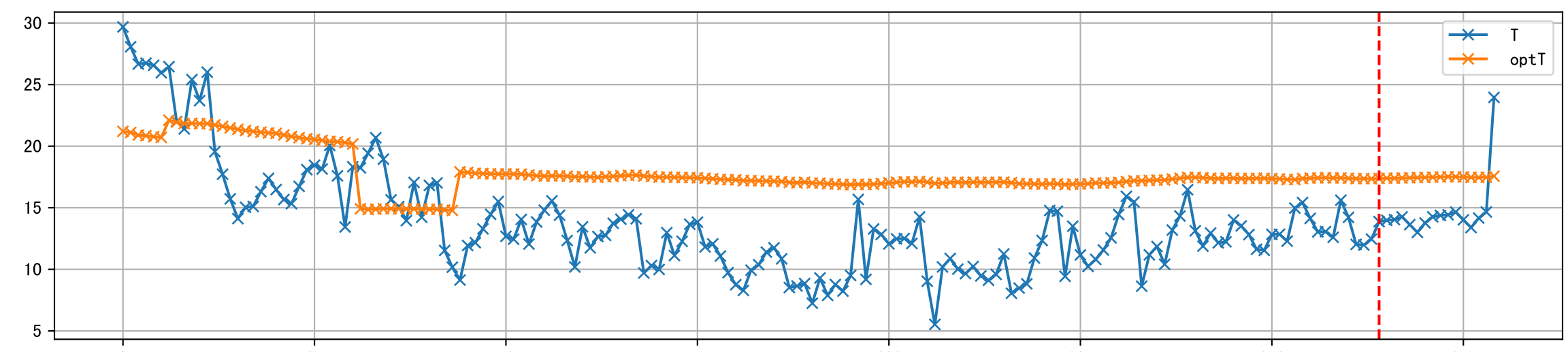

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
d
d

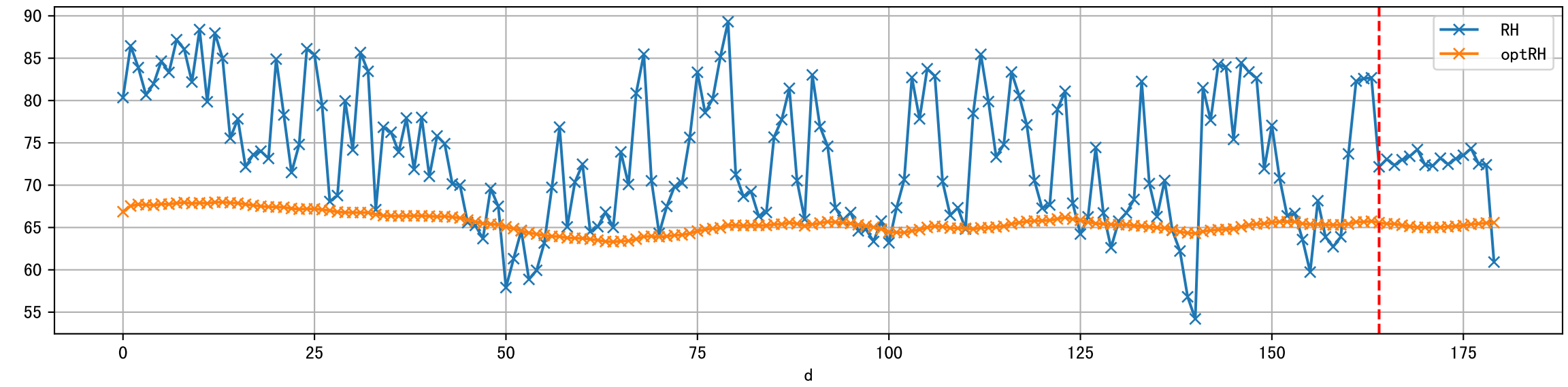

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

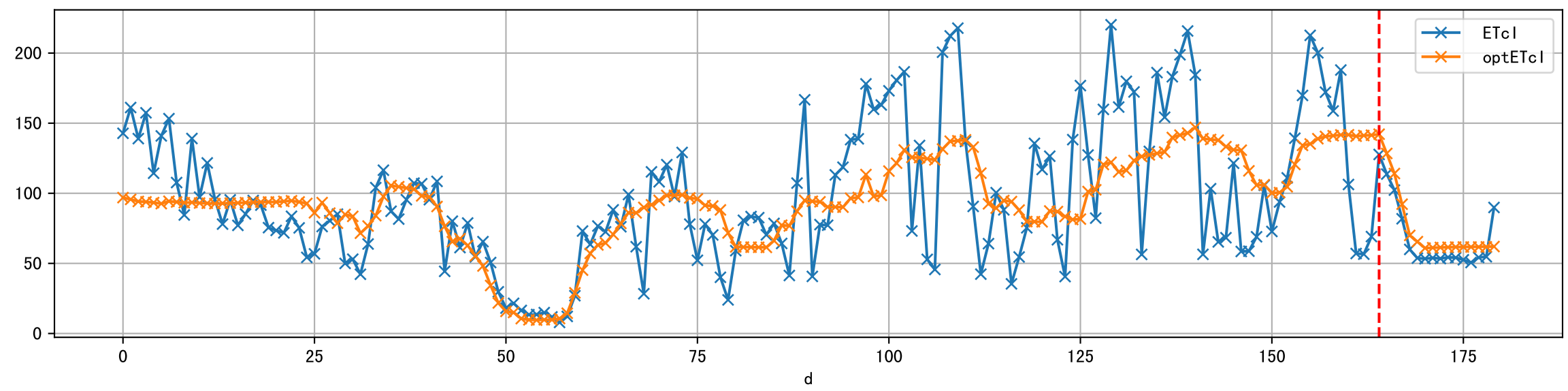

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

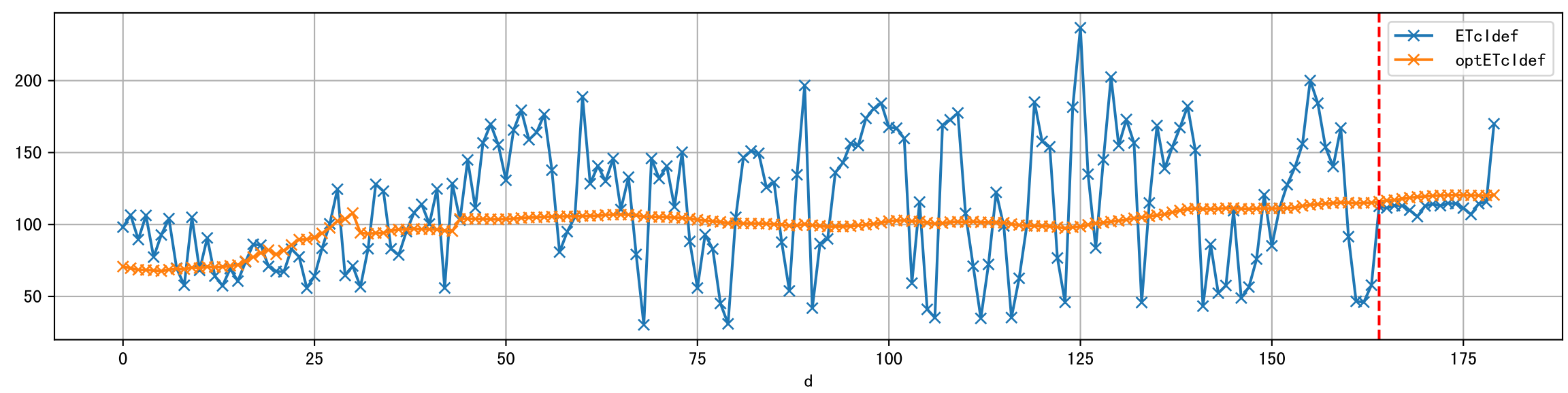
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['EToI', 'optEToI'], 'LAI', ['optEtRate', 'optEtRateDef', '

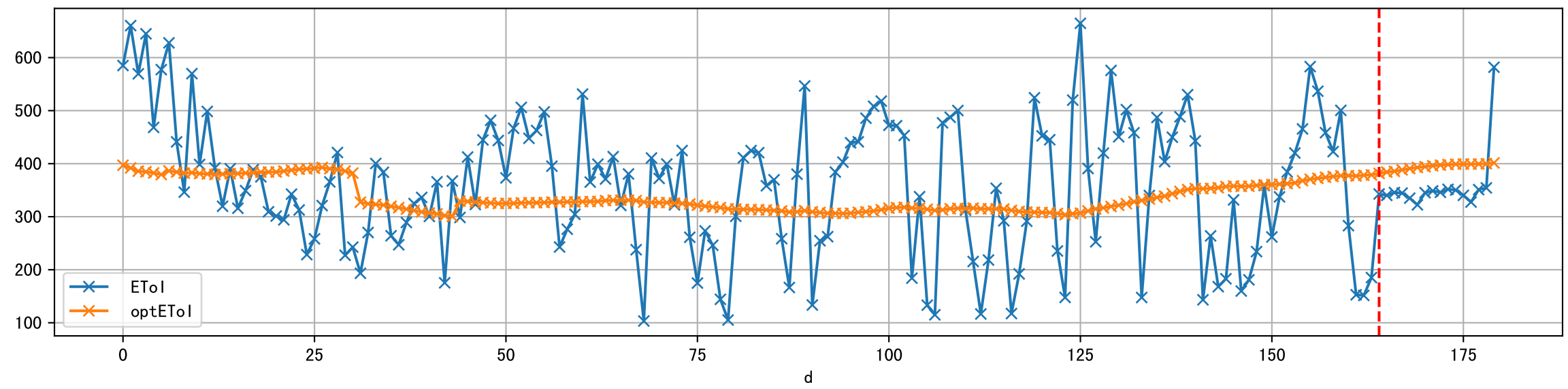


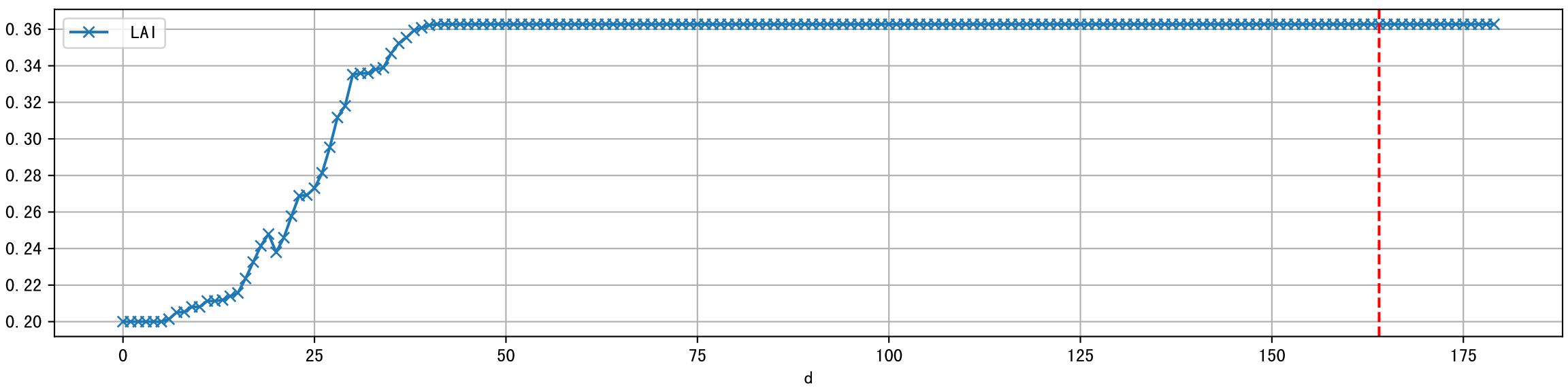


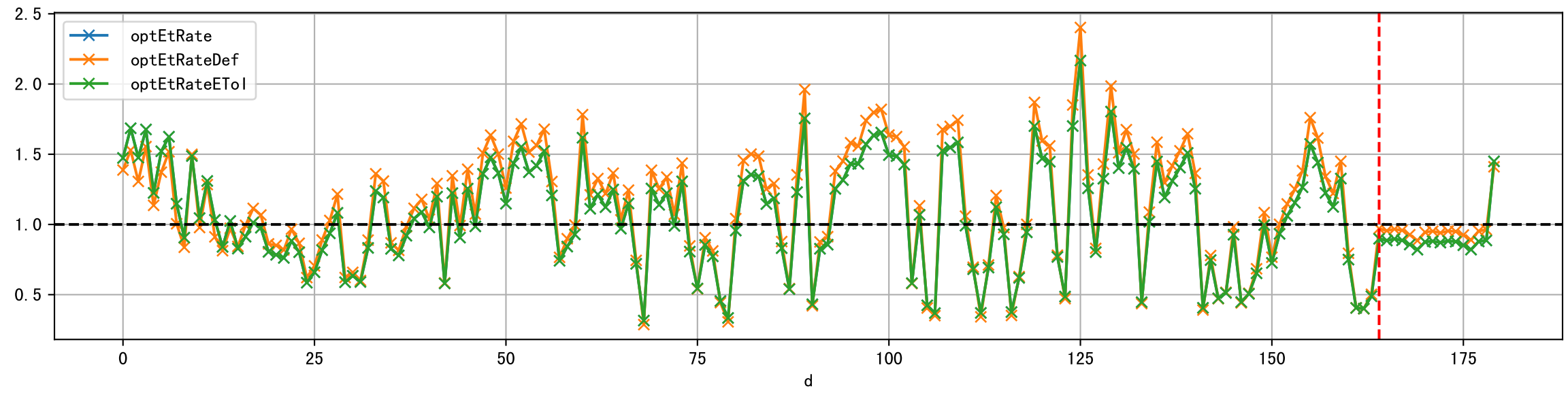


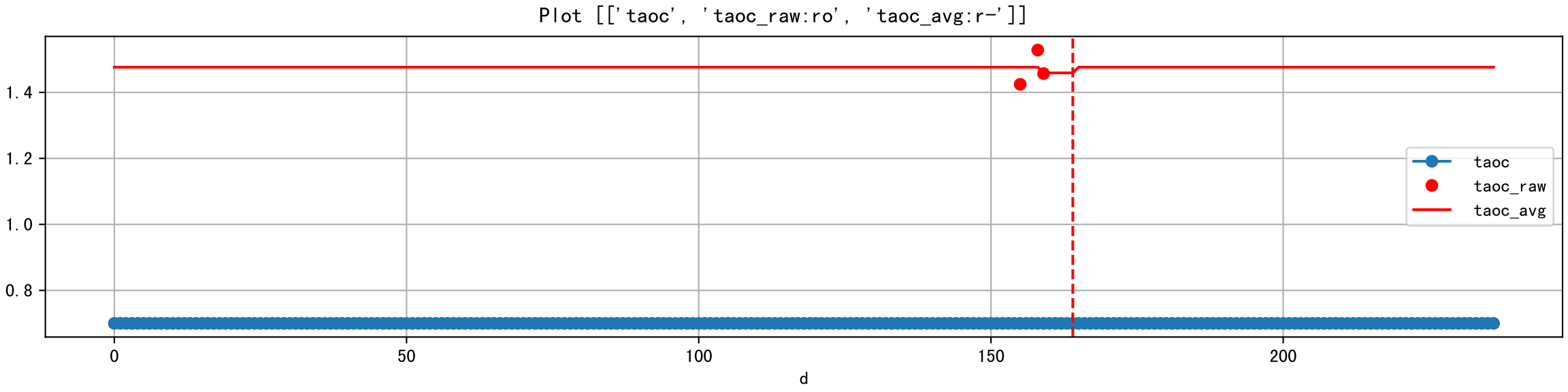


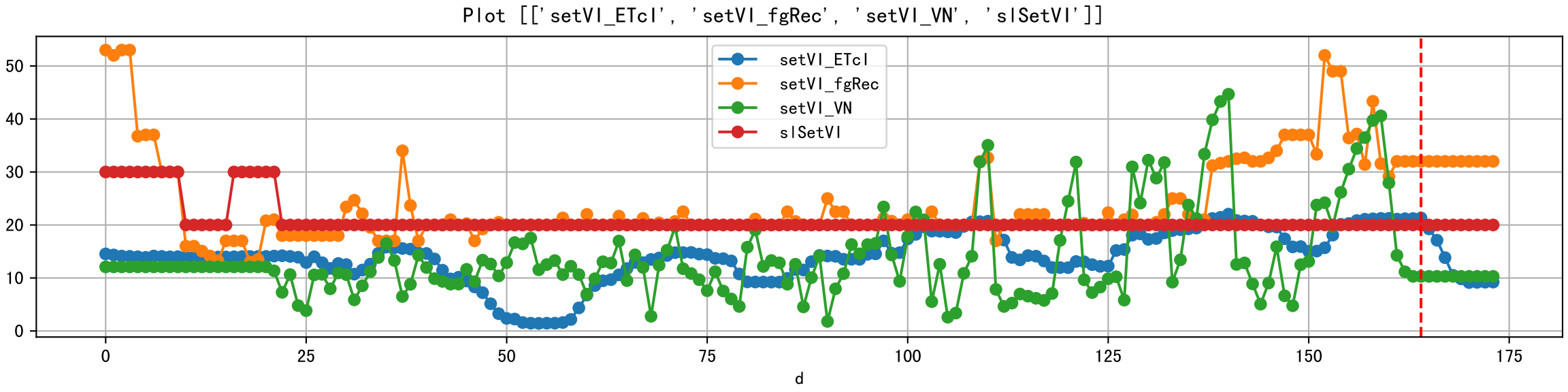


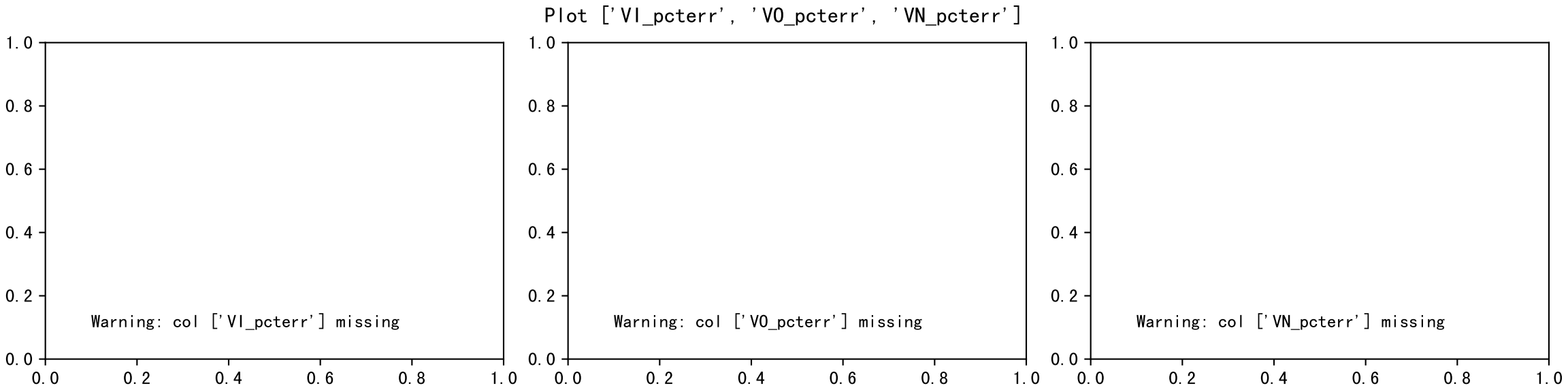


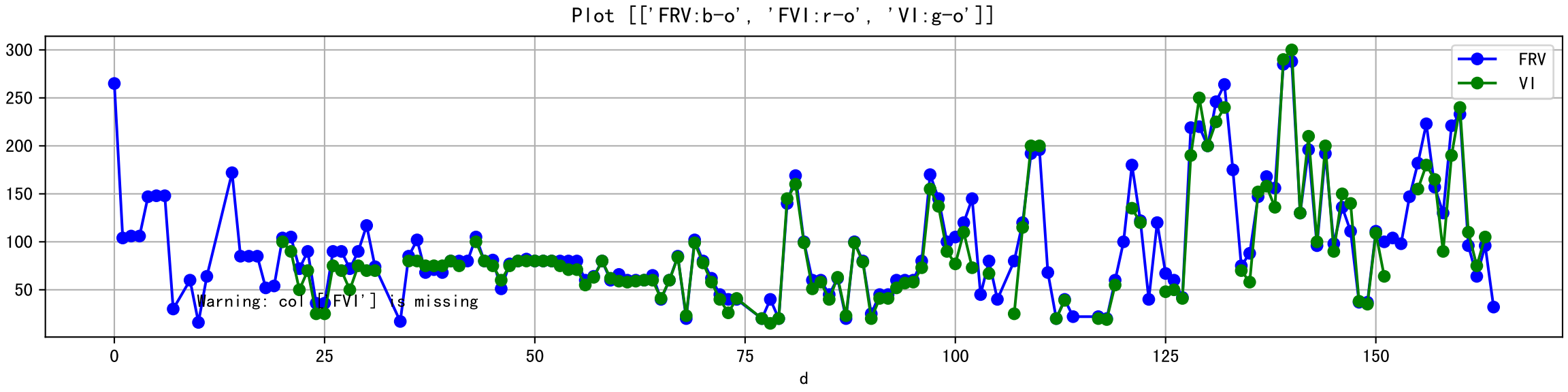


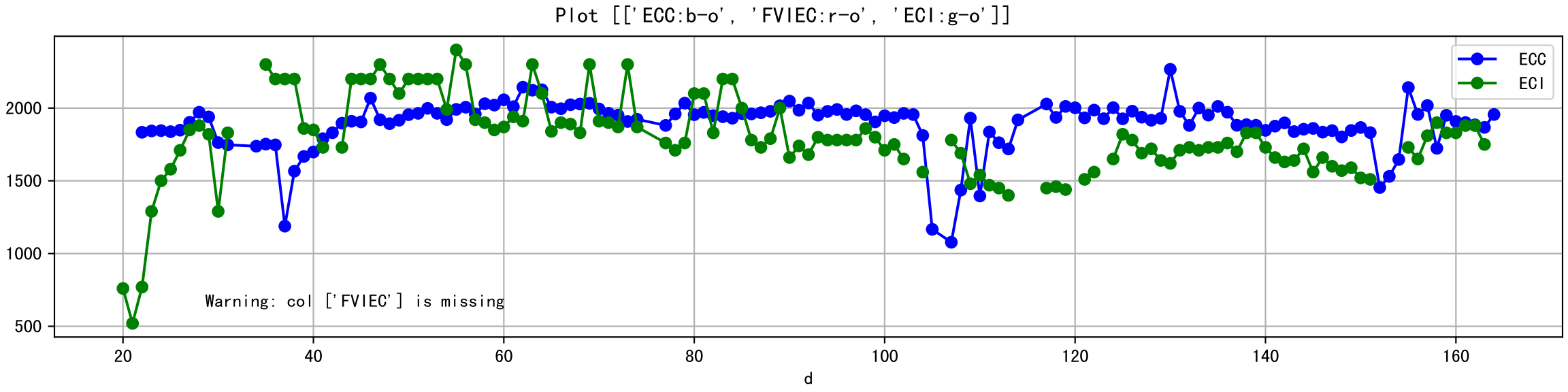


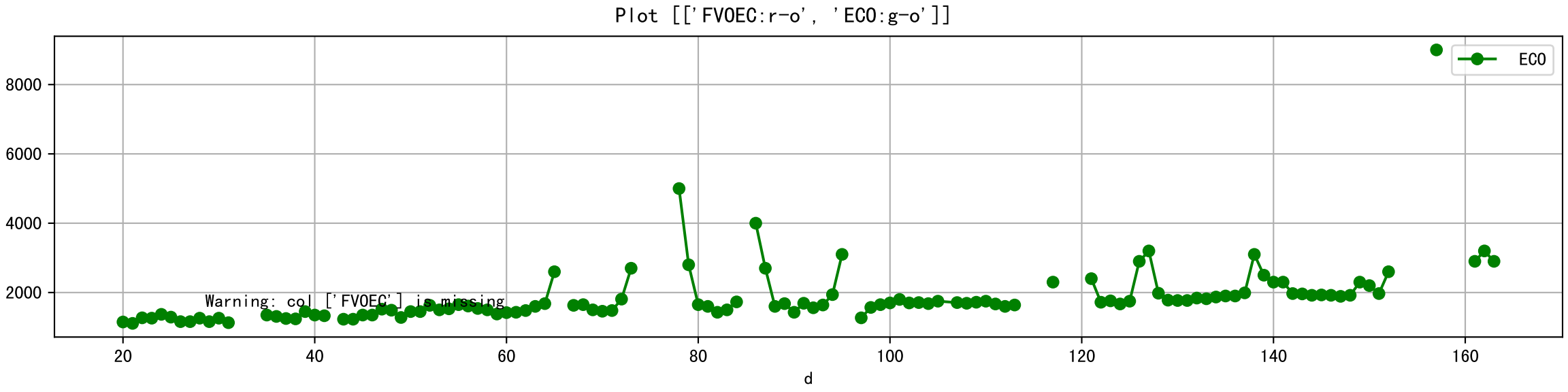

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
1.4
1.2
1.0
0.8
0
50
100
150
200
d
taoc
taoc_raw
taoc_avg

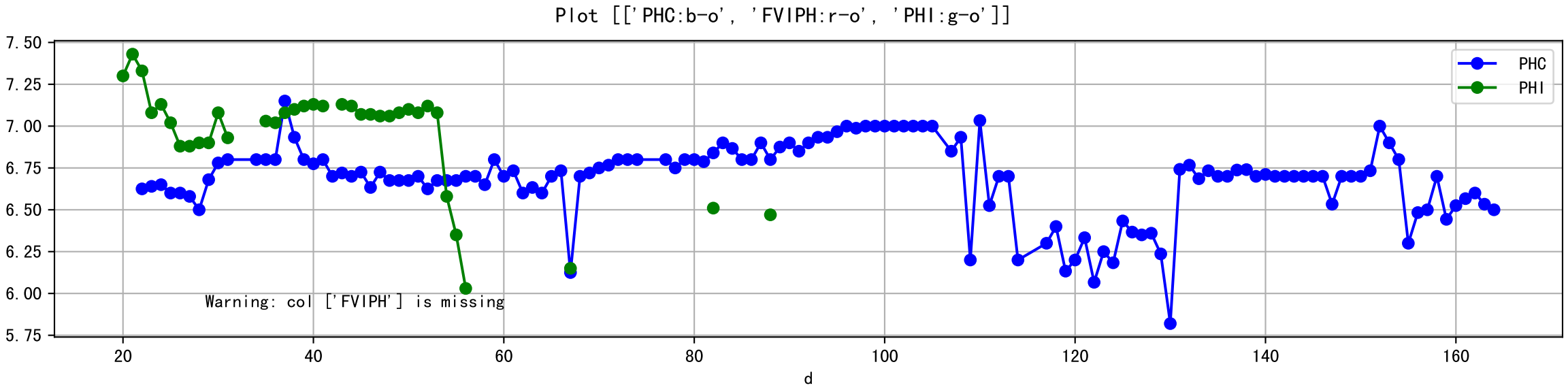

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
25
50
75
100
125
150
175
d

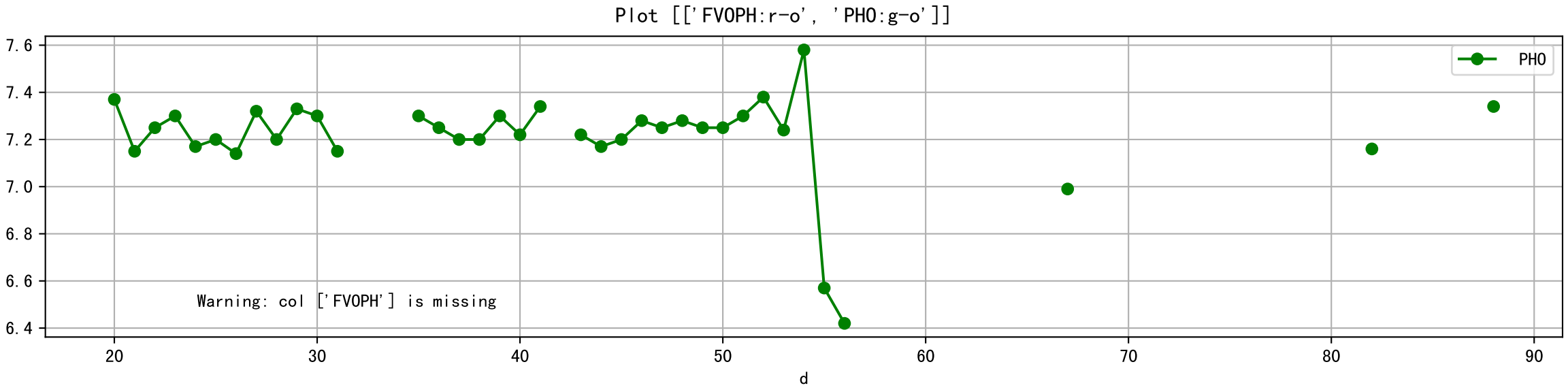

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

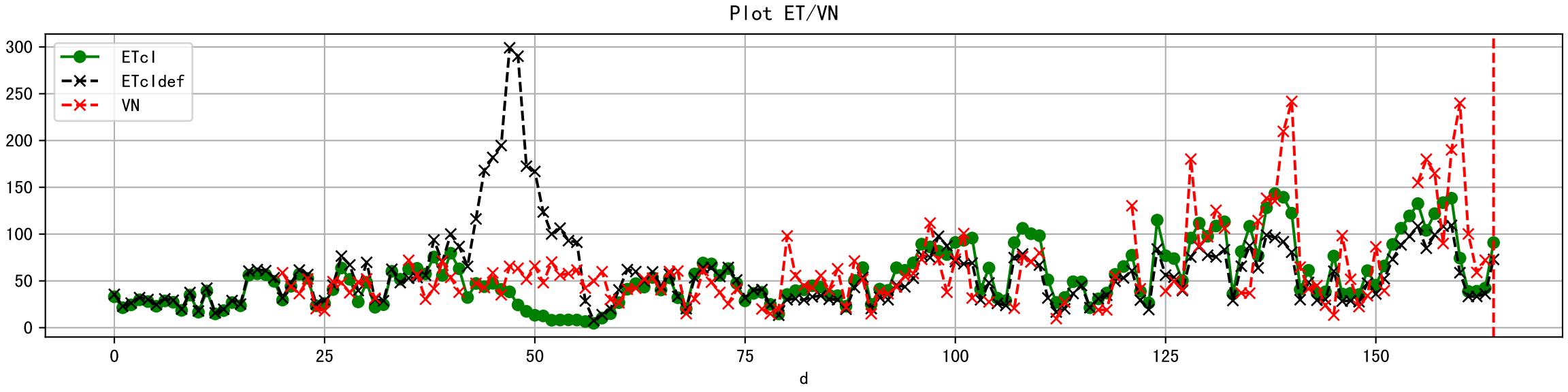

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
Warning: col ['FVI'] is missing
FRV
VI
300
250
200
150
100
50
0
25
50
75
100
125
150
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2000
1500
1000
500
20
40
60
80
100
120
140
160
d

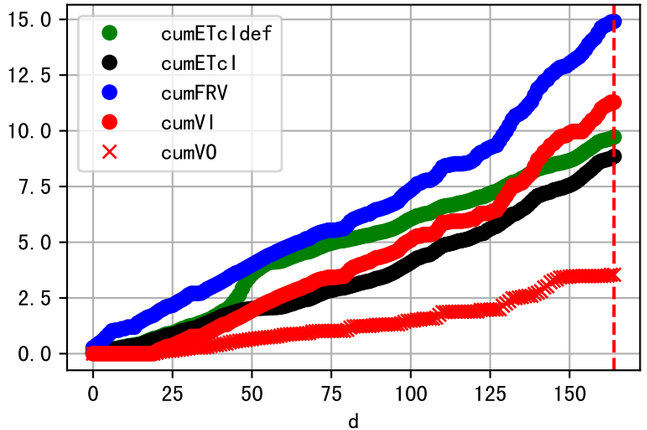

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
8000
6000
4000
2000
20
40
60
80
100
120
140
160
d

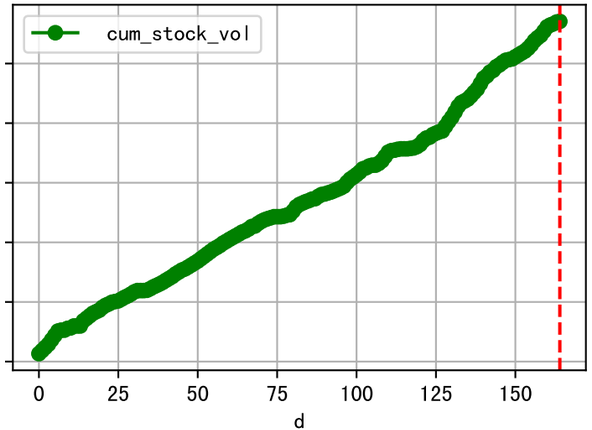

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.75
20
40
60
80
100
120
140
160
d
PHC
PHI
Warning: col ['FVIPH'] is missing

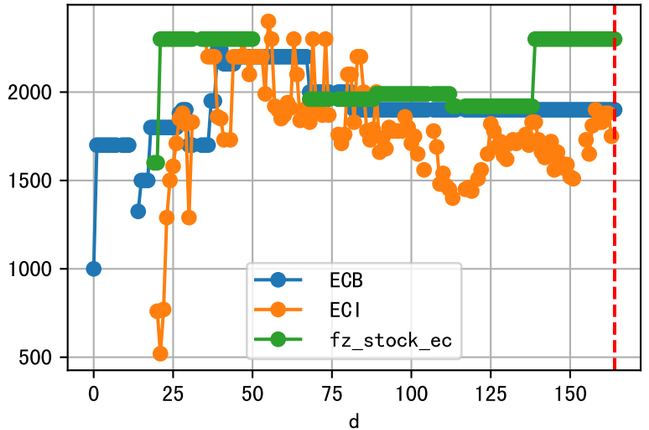

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

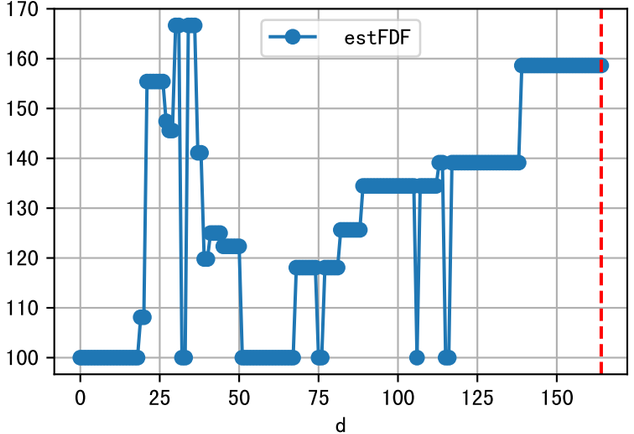

Plot ET/VN
ETcl
ETcldef
VN
300
250
200
150
100
50
0
0
25
50
75
100
125
150
d

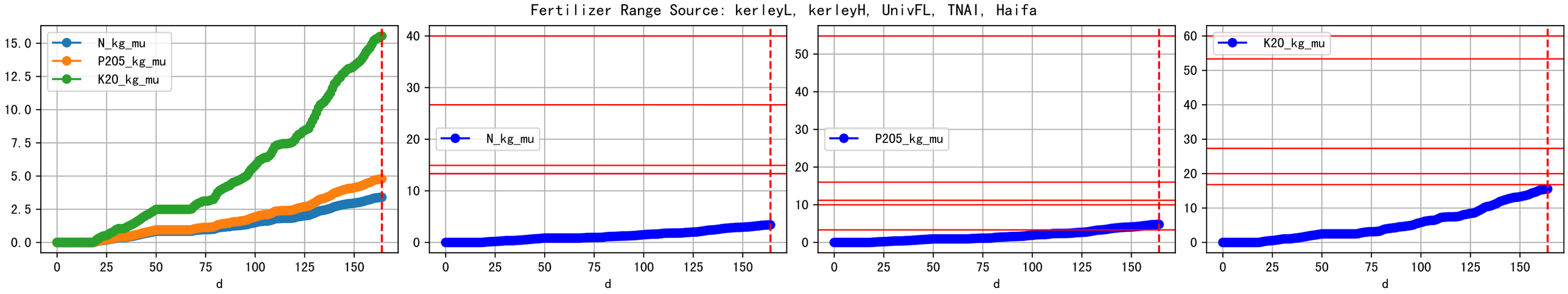
Plot Fv and fertilizer usage

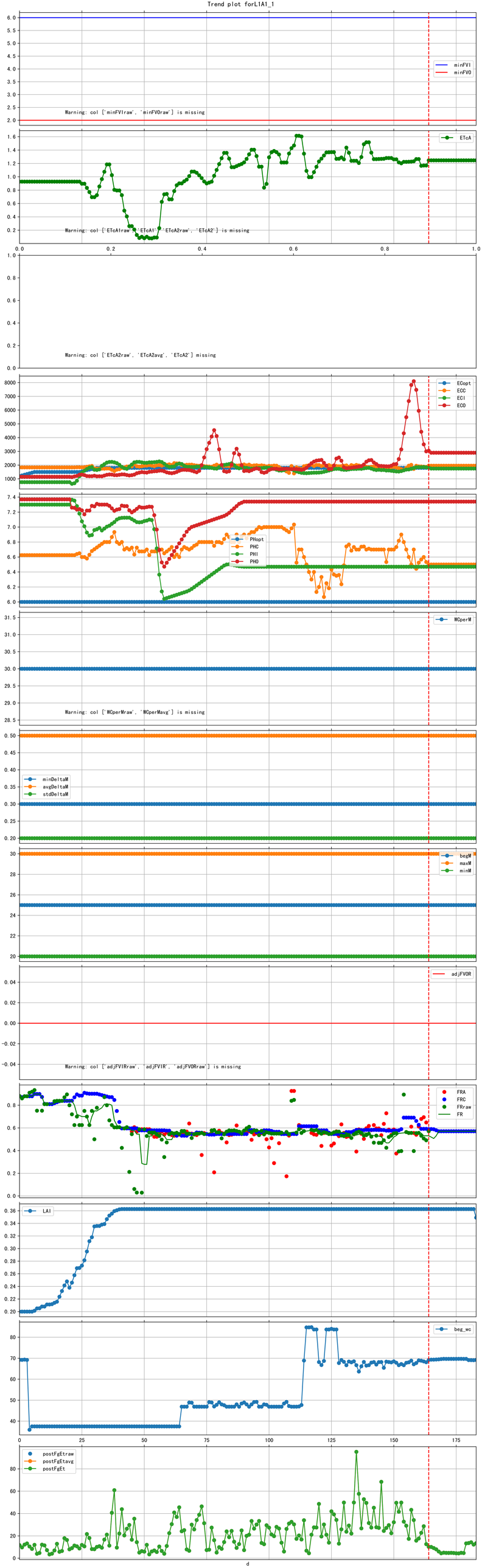


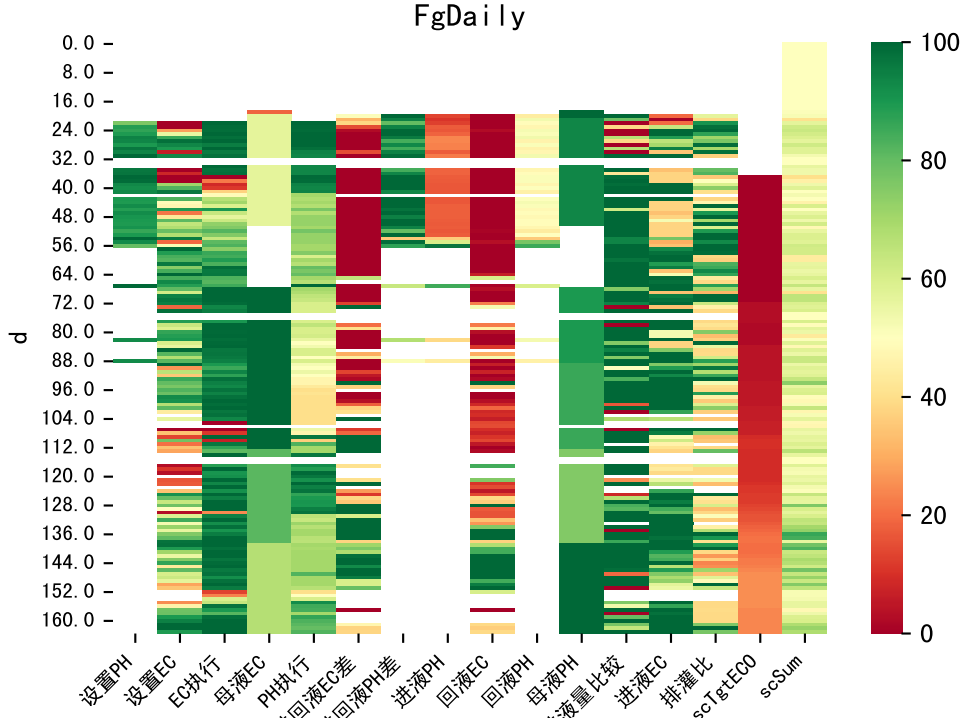




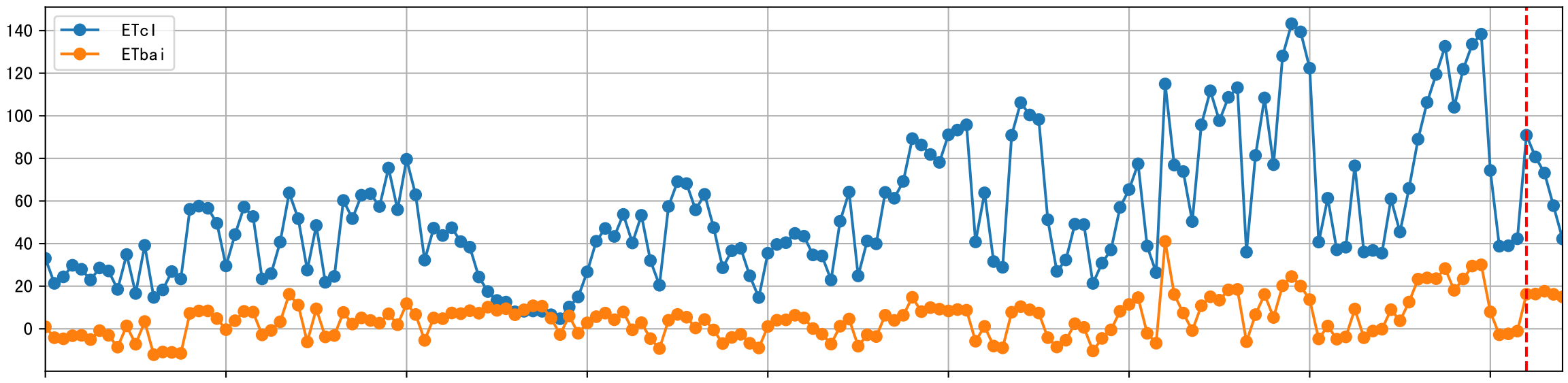


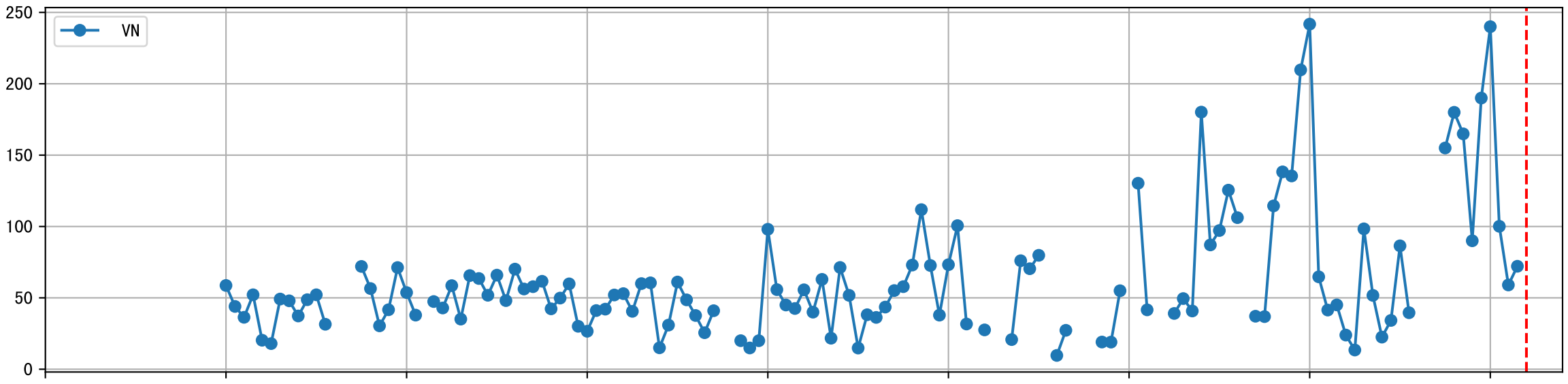

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

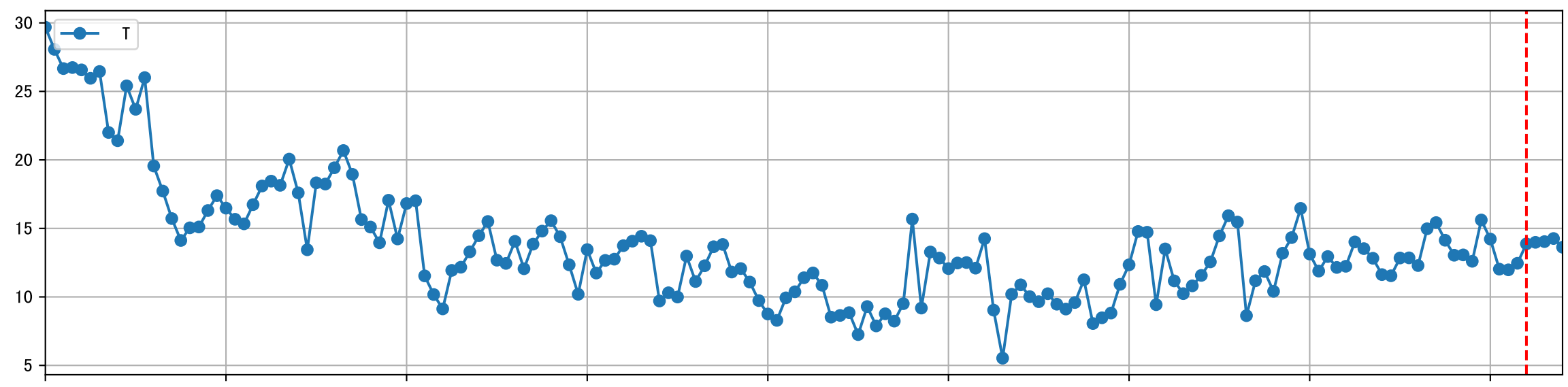

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECo
PHopt
PHC
PHi
PHo
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

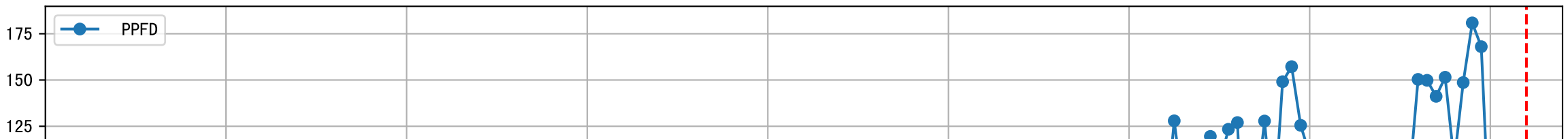

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
100
80
60
40
20
0
设置PH
设置EC
EC执行
母液EC
PH执行
回液EC差
回液PH差
进液PH
回液EC
回液PH
母液PH
液量比较
进液EC
排灌比
scTgtEC0
scSum

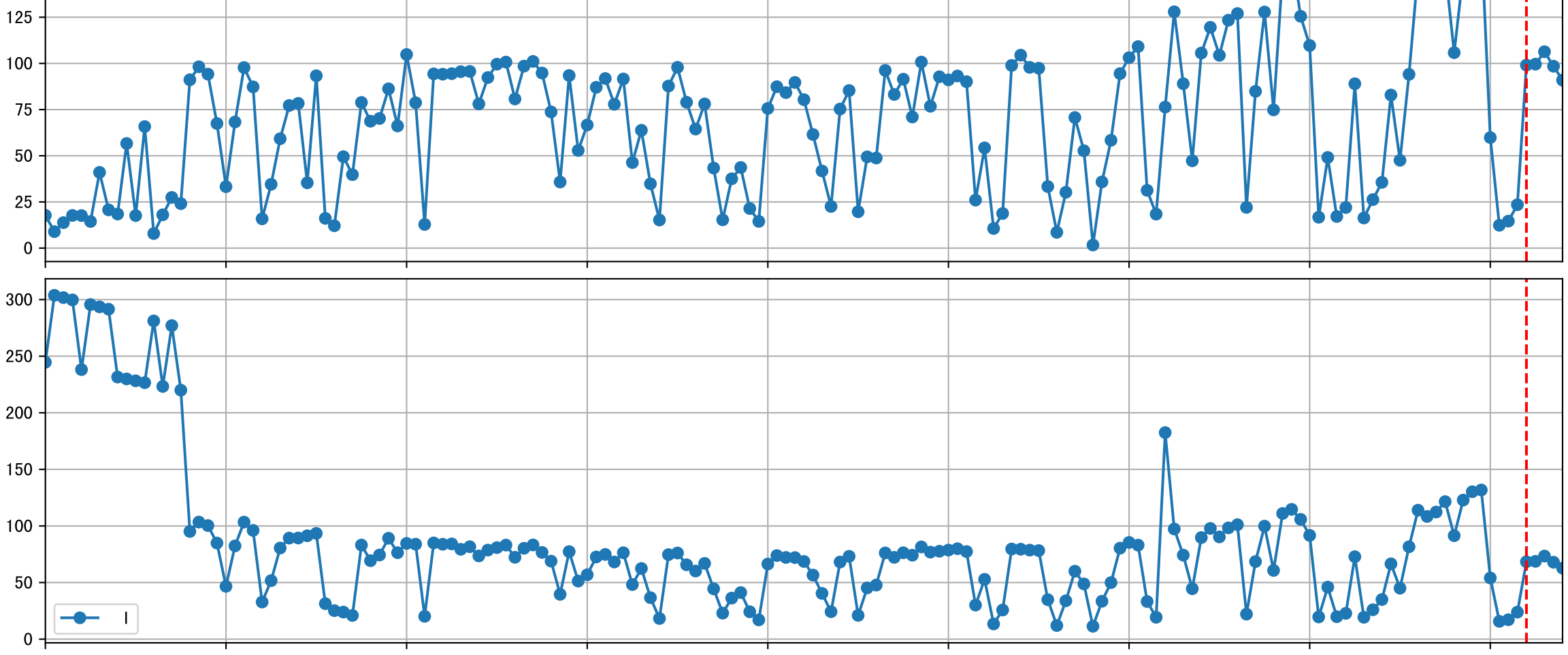
L1A1_1

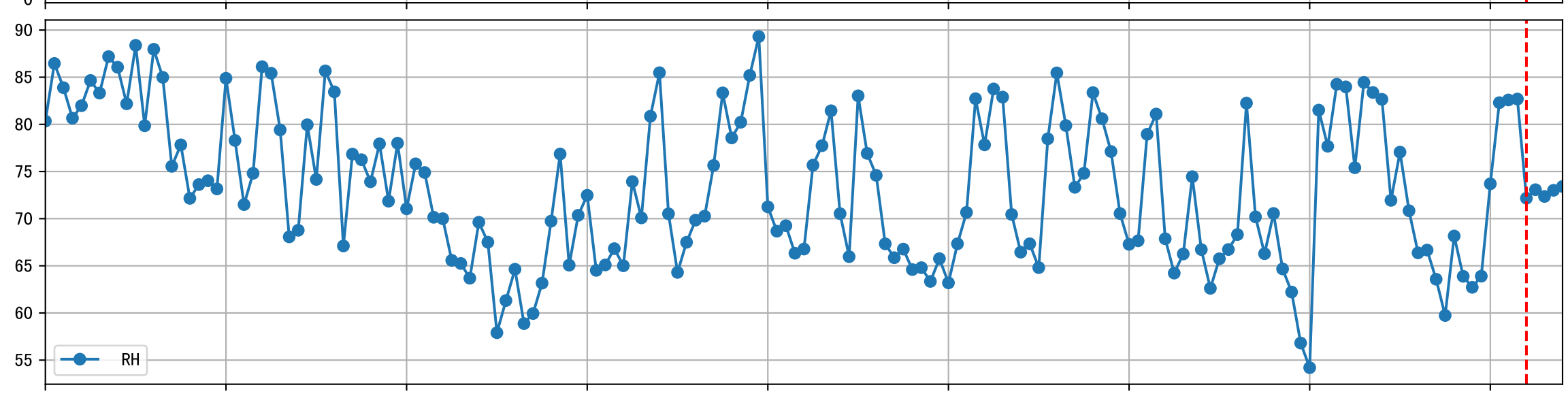


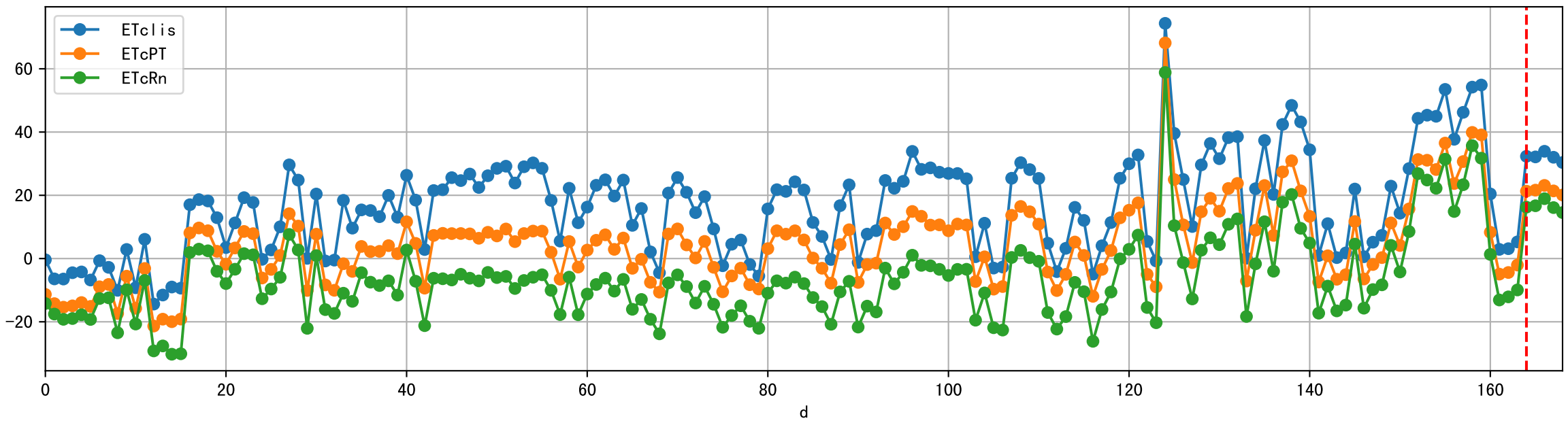


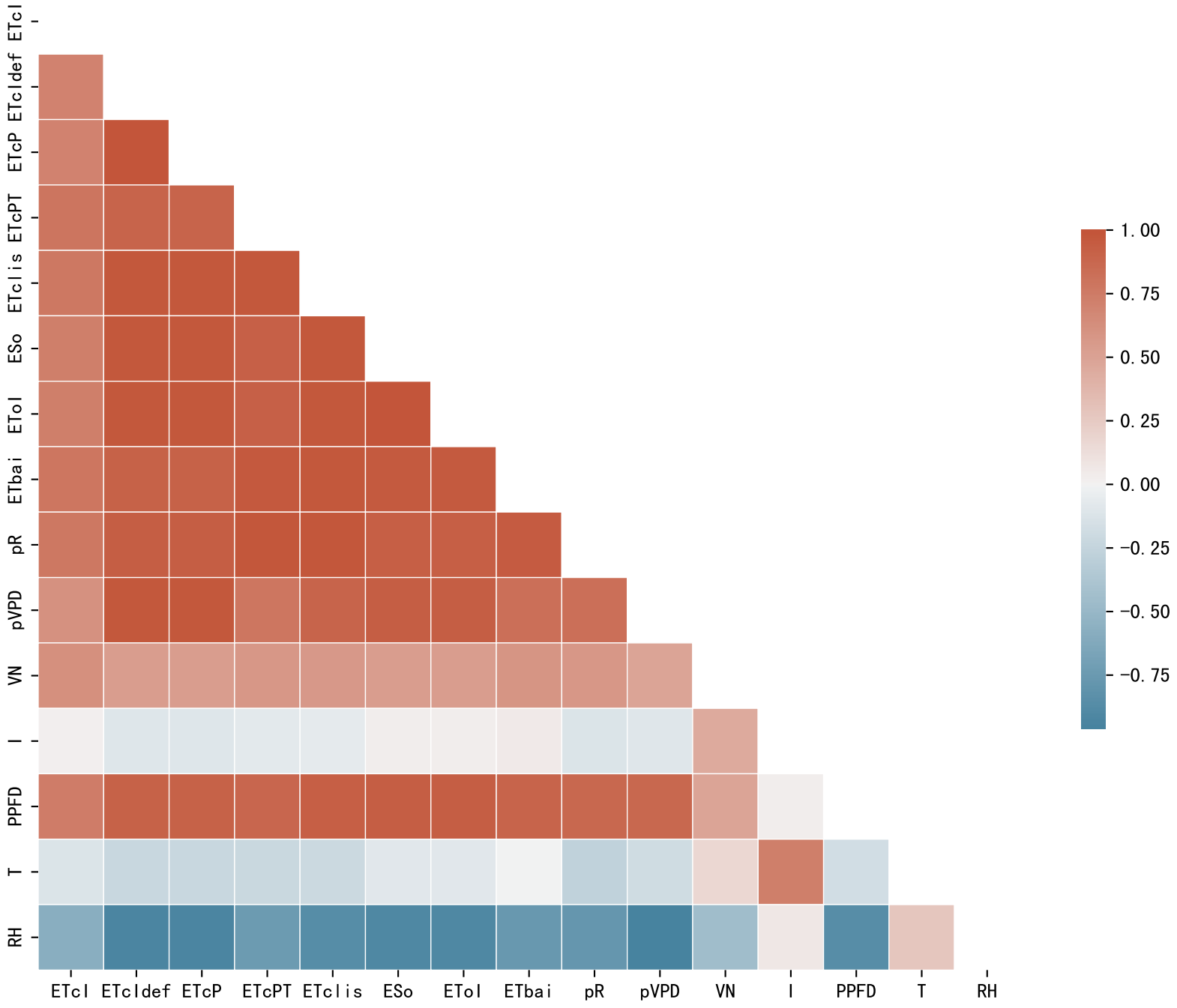


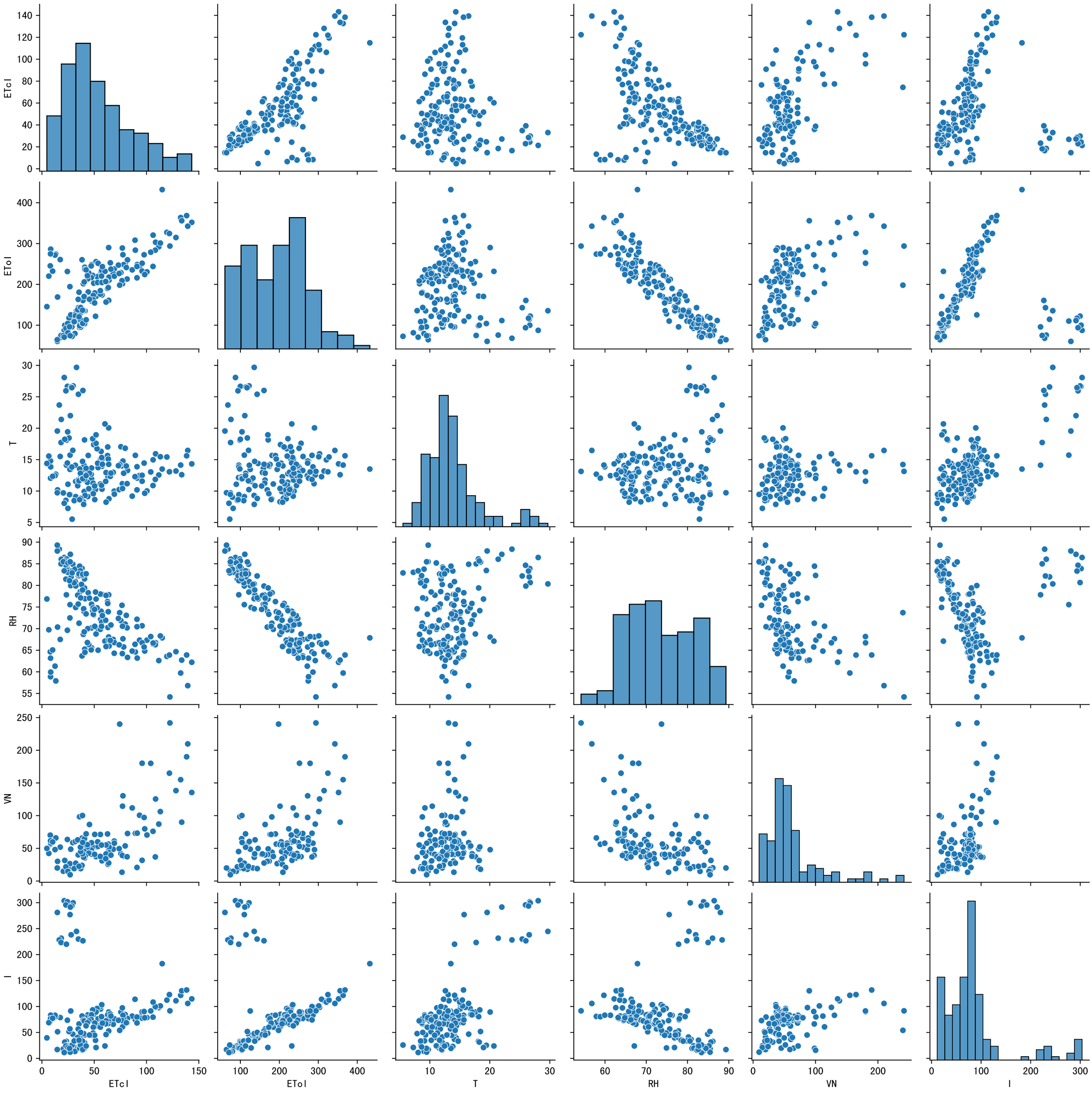


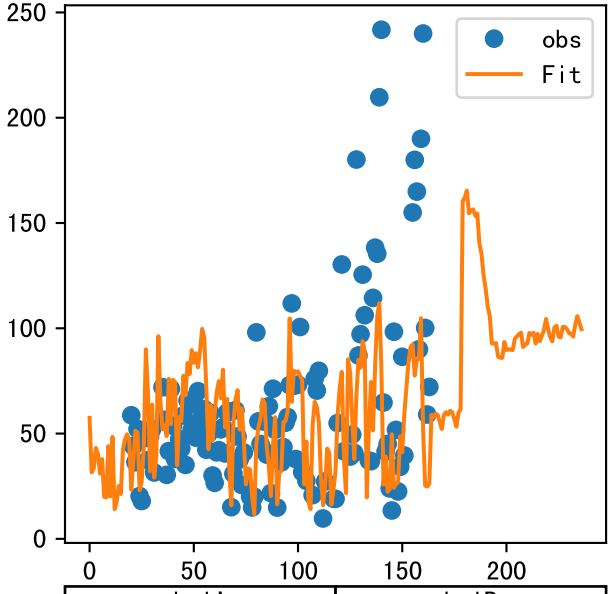


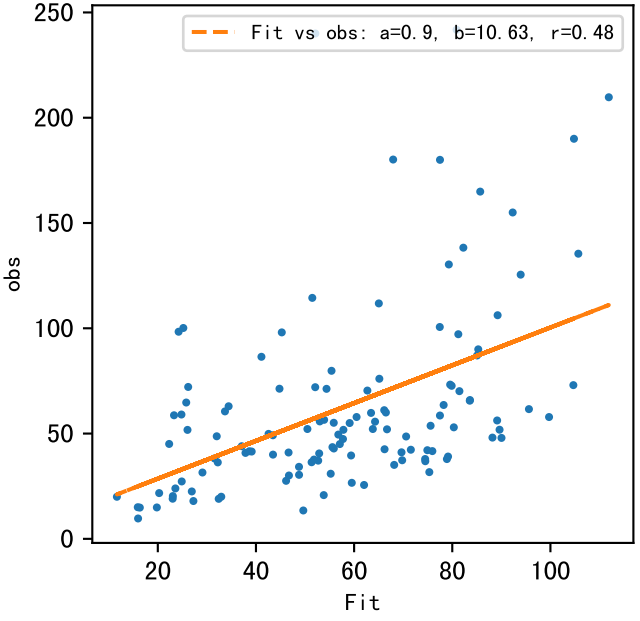




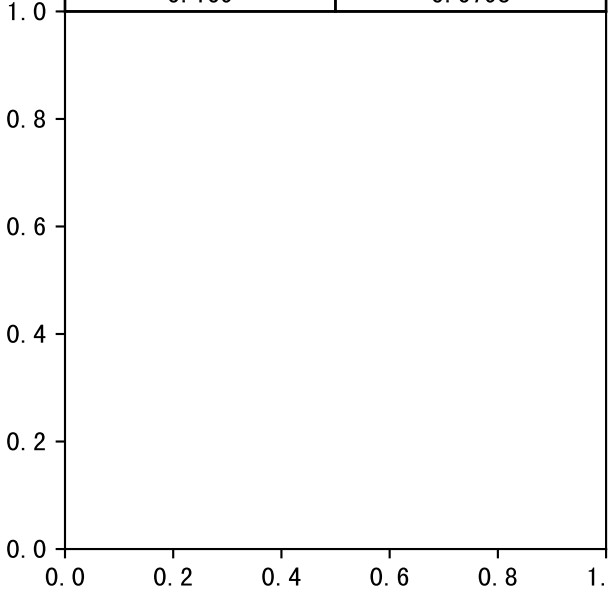

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

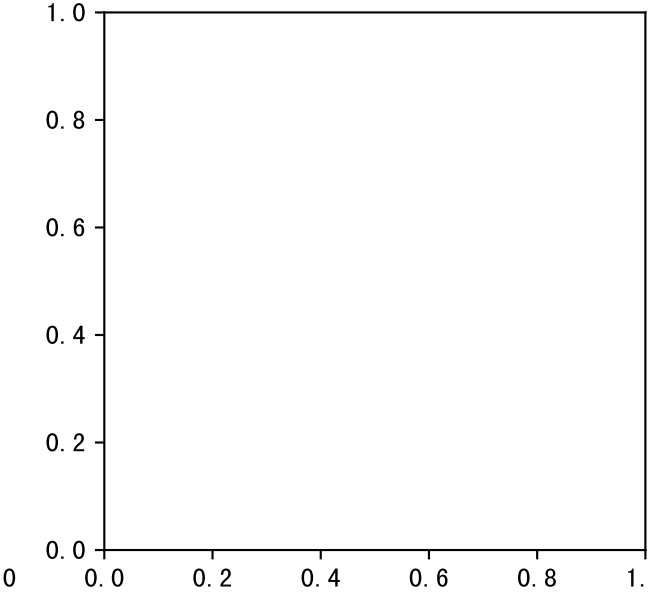

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

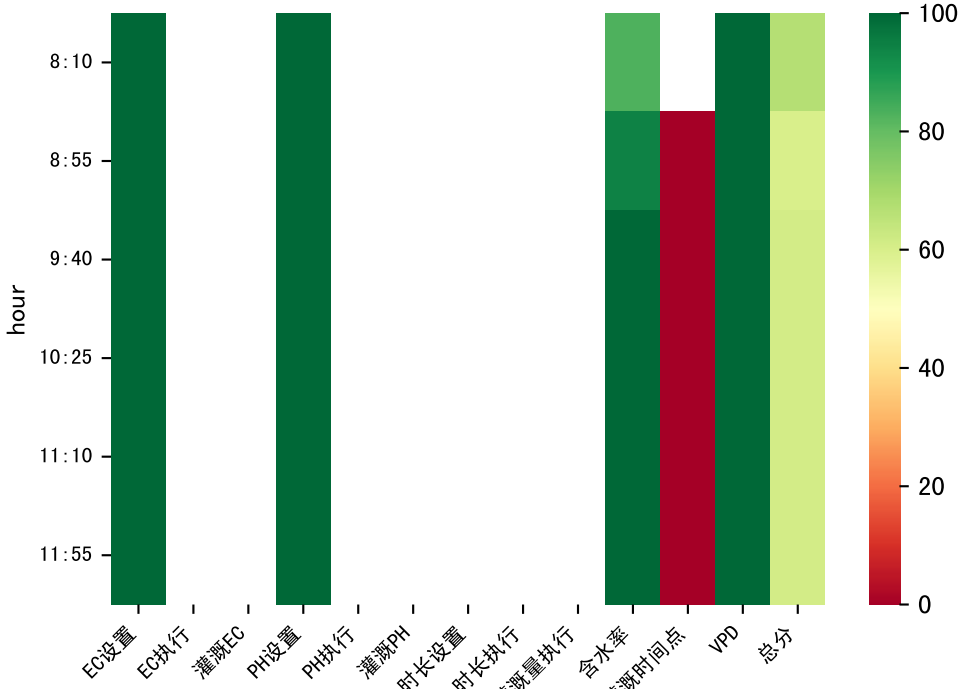




baiA	baiB
0.109	0.0793



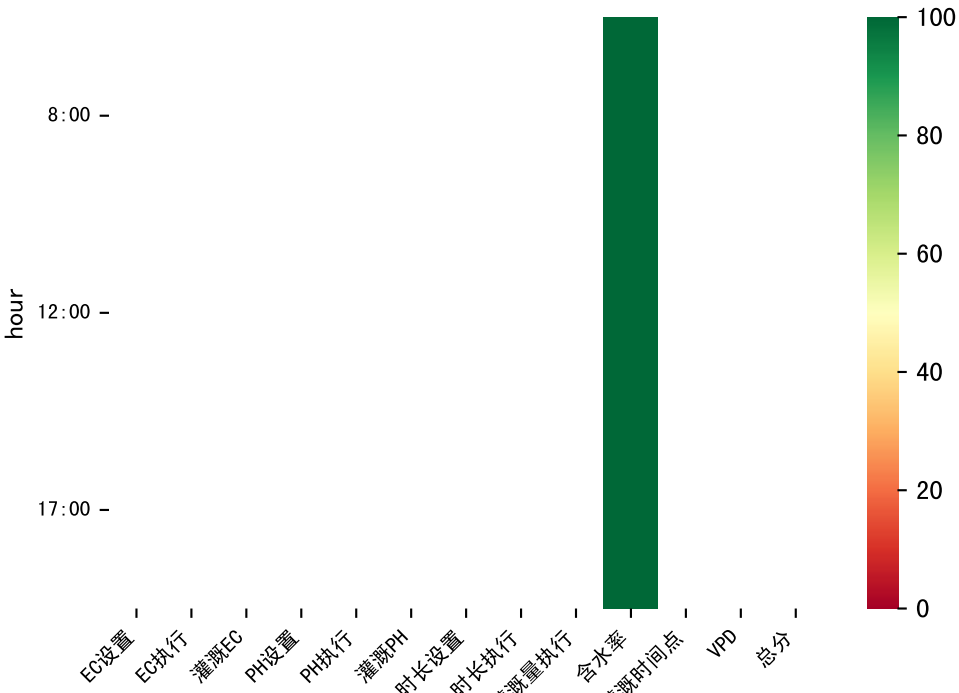



hour
8:10
8:55
9:40
10:25
11:10
11:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

L1A1

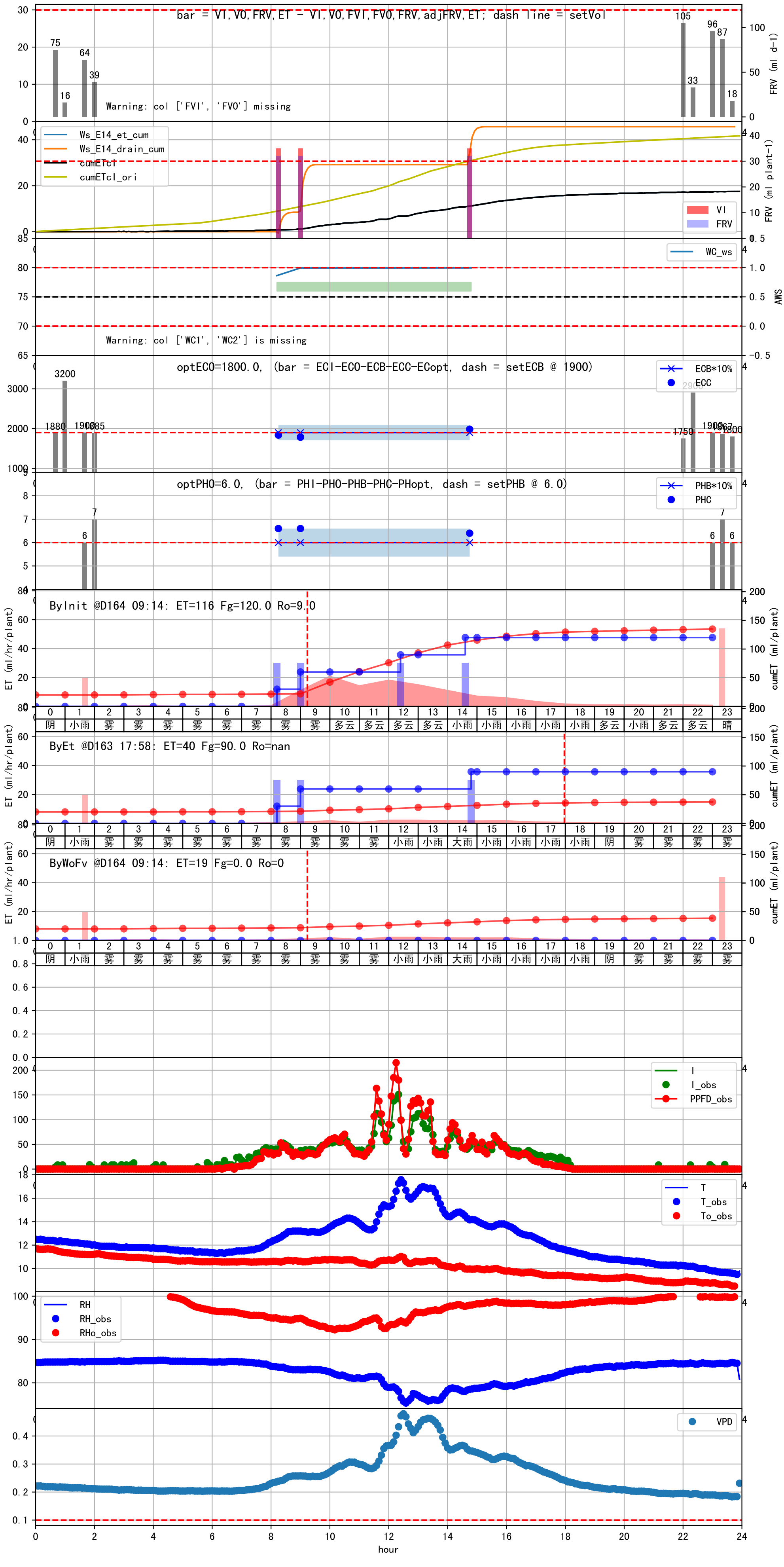
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	57	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
08:55	57	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
09:40	57	30.0	0.122	雾	假设 自主（未用进回液传感器）（预期回液 无）
10:25	57	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
11:10	57	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
11:55	57	30.0	0.122	多云	假设 自主（未用进回液传感器）（预期回液 无）
总计	342.0 (6次)	180.0			建议进液EC：1900， PH：6.0

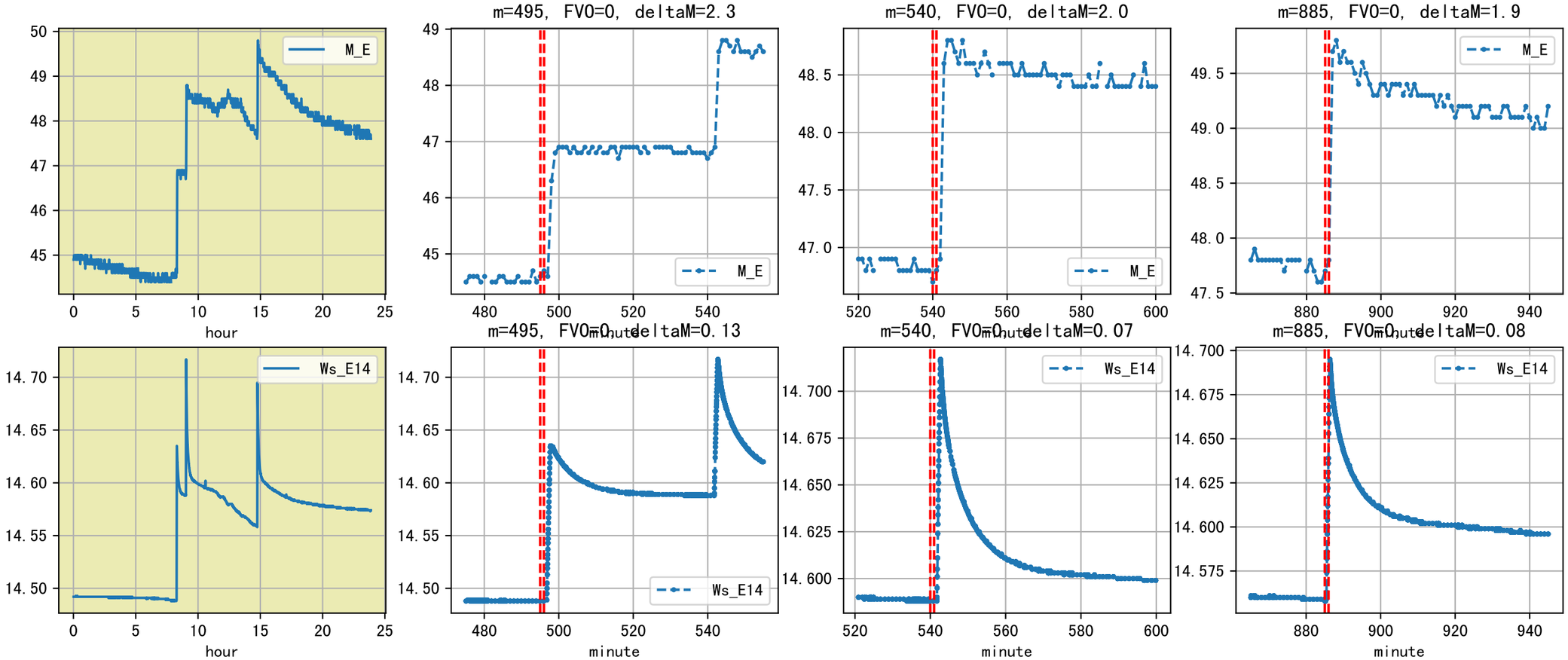
L1A1_1, Day=164.0 (2026-03-19)

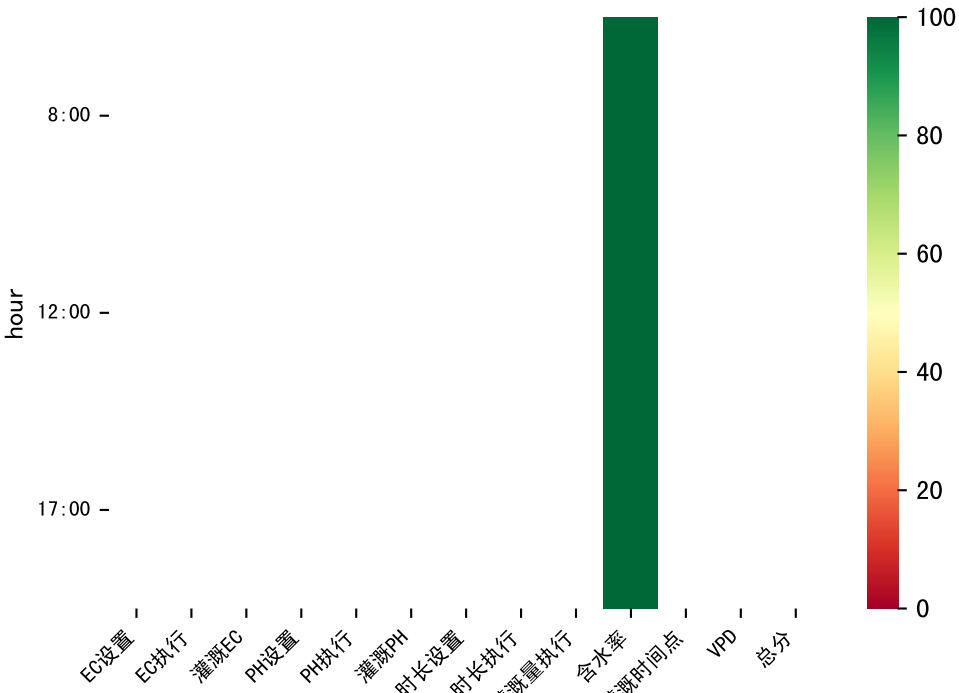

hour
8:00
12:00
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
总计	0 (0次)	0			建议进液EC：1900， PH：6.0

L1A1_1, Day=163.0 (2026-03-18)

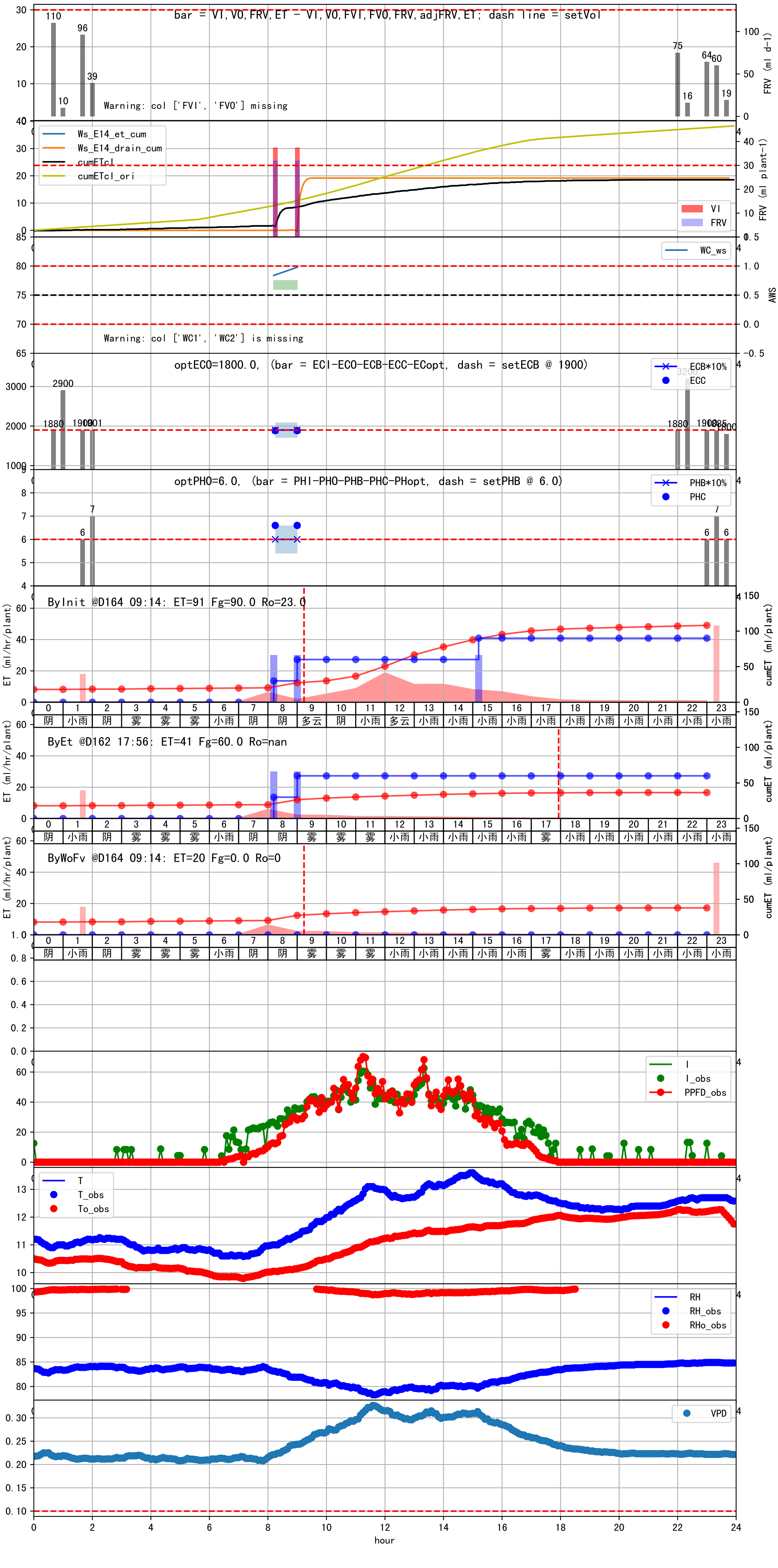


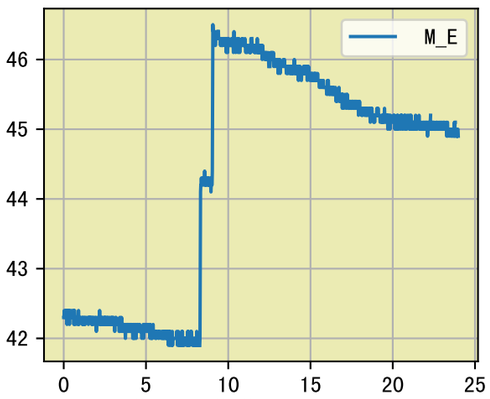

m=495, FV0=0, deltaM=2.3
m=540, FV0=0, deltaM=2.0
m=885, FV0=0, deltaM=1.9
M_E
Ws_E14
hour
minute

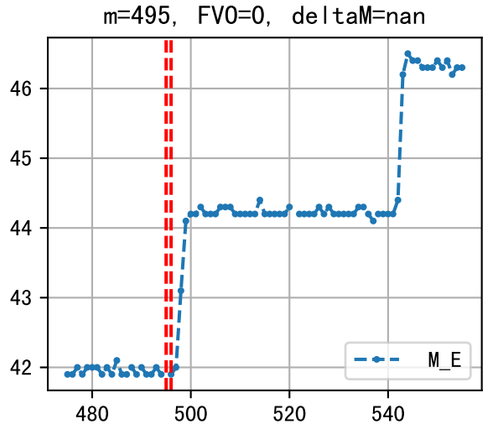

hour
8:00
12:00
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

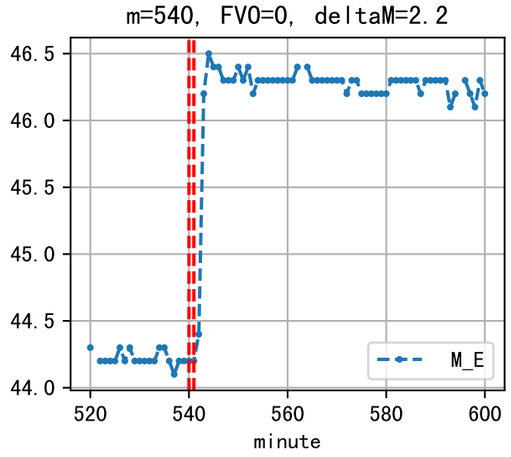
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
总计	0 (0次)	0			建议进液EC：1900， PH：6.0

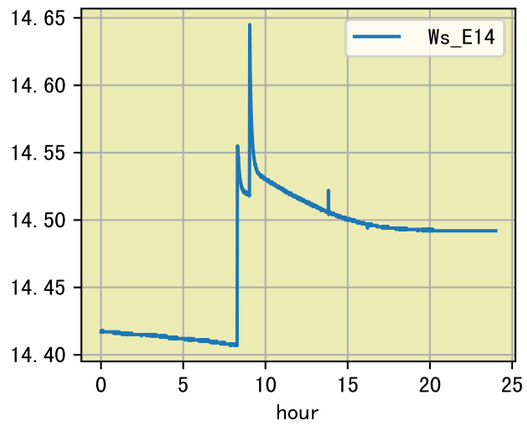
L1A1_1, Day=162.0 (2026-03-17)

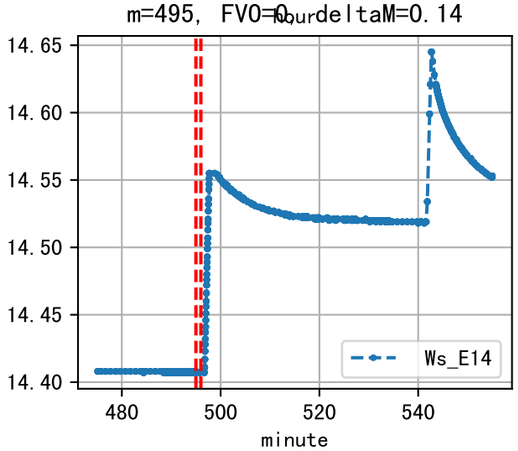


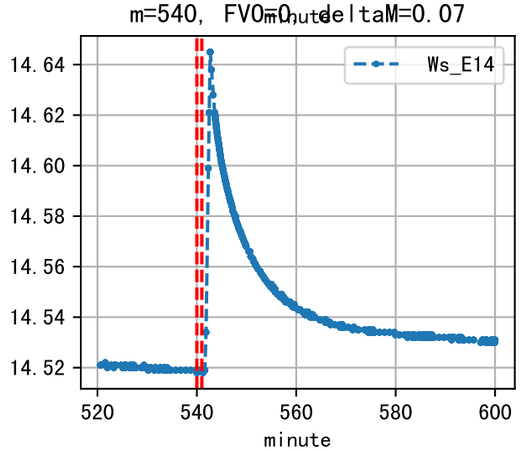

M_E
46
45
44
43
42
0
5
10
15
20
25

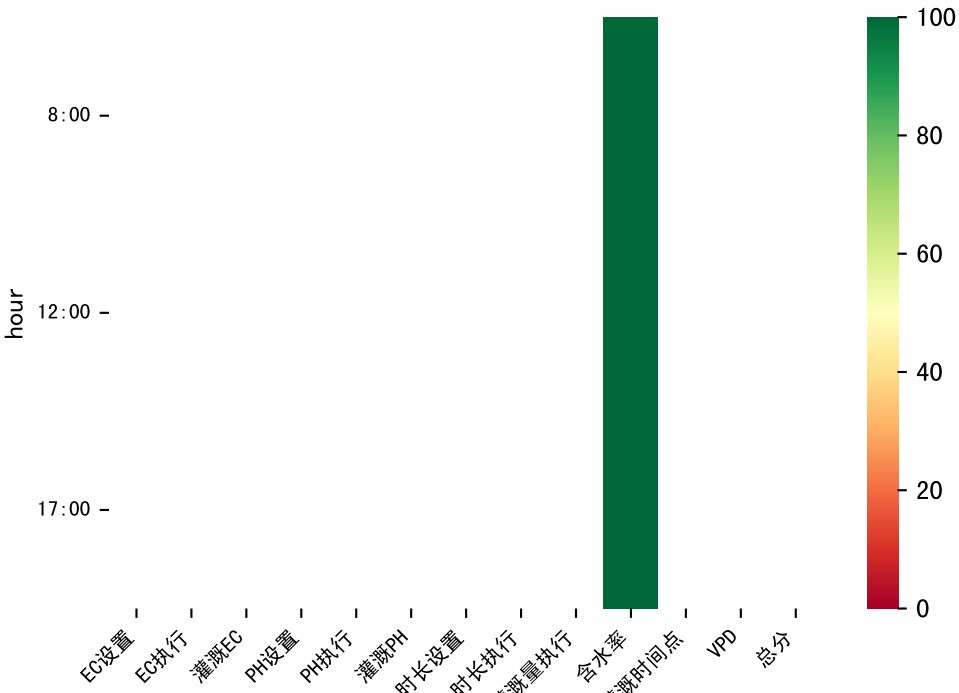

m=495, FV0=0, deltaM=nan
M_E
46
45
44
43
42
480
500
520
540


m=540, FV0=0, deltaM=2.2
M_E
46.5
46.0
45.5
45.0
44.5
44.0
520
540
560
580
600
minute


Ws_E14
14.65
14.60
14.55
14.50
14.45
14.40
0
5
10
15
20
25
hour

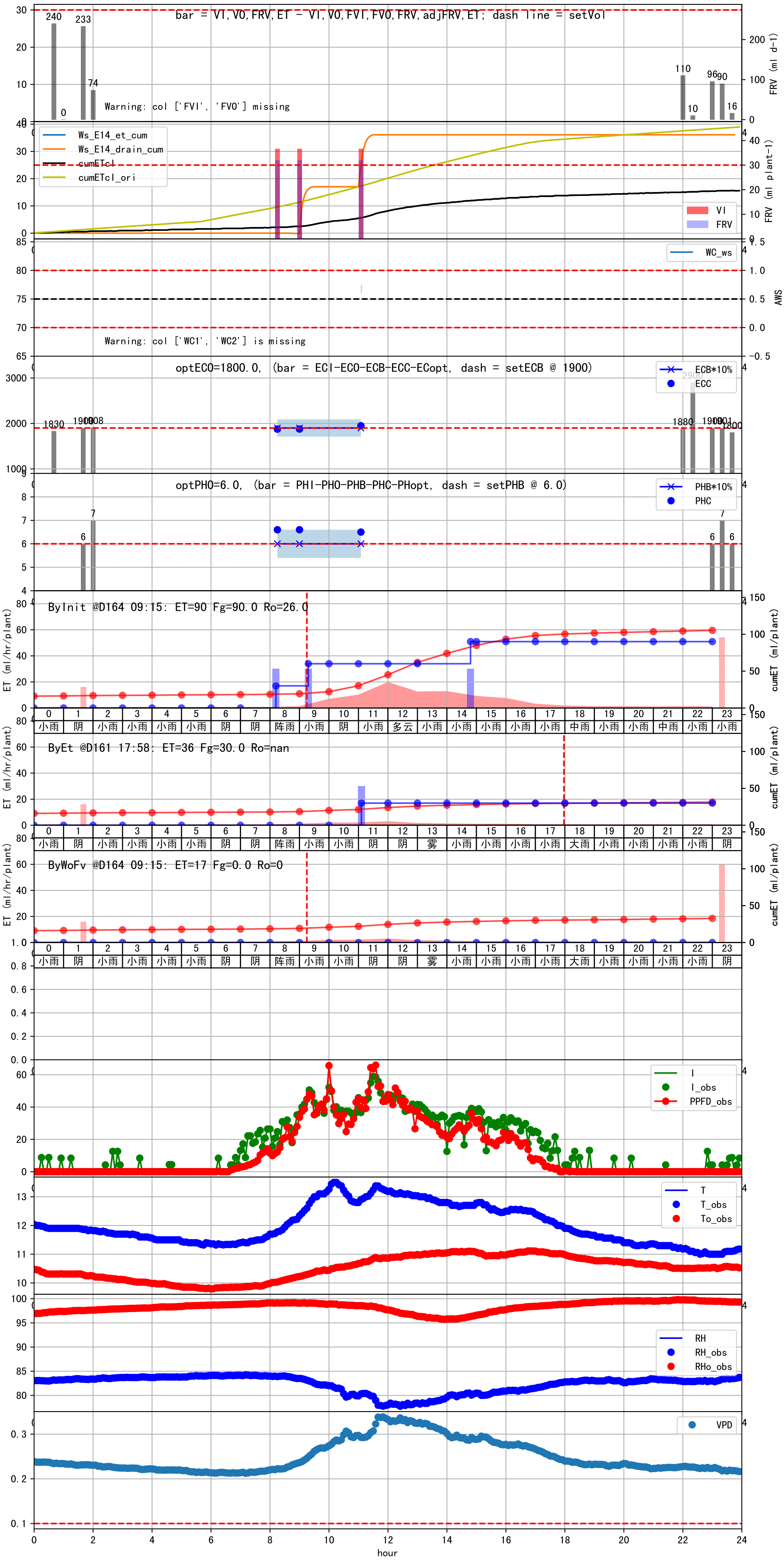

m=495, FV0=0, deltaM=0.14
Ws_E14
14.65
14.60
14.55
14.50
14.45
14.40
480
500
520
540
minute

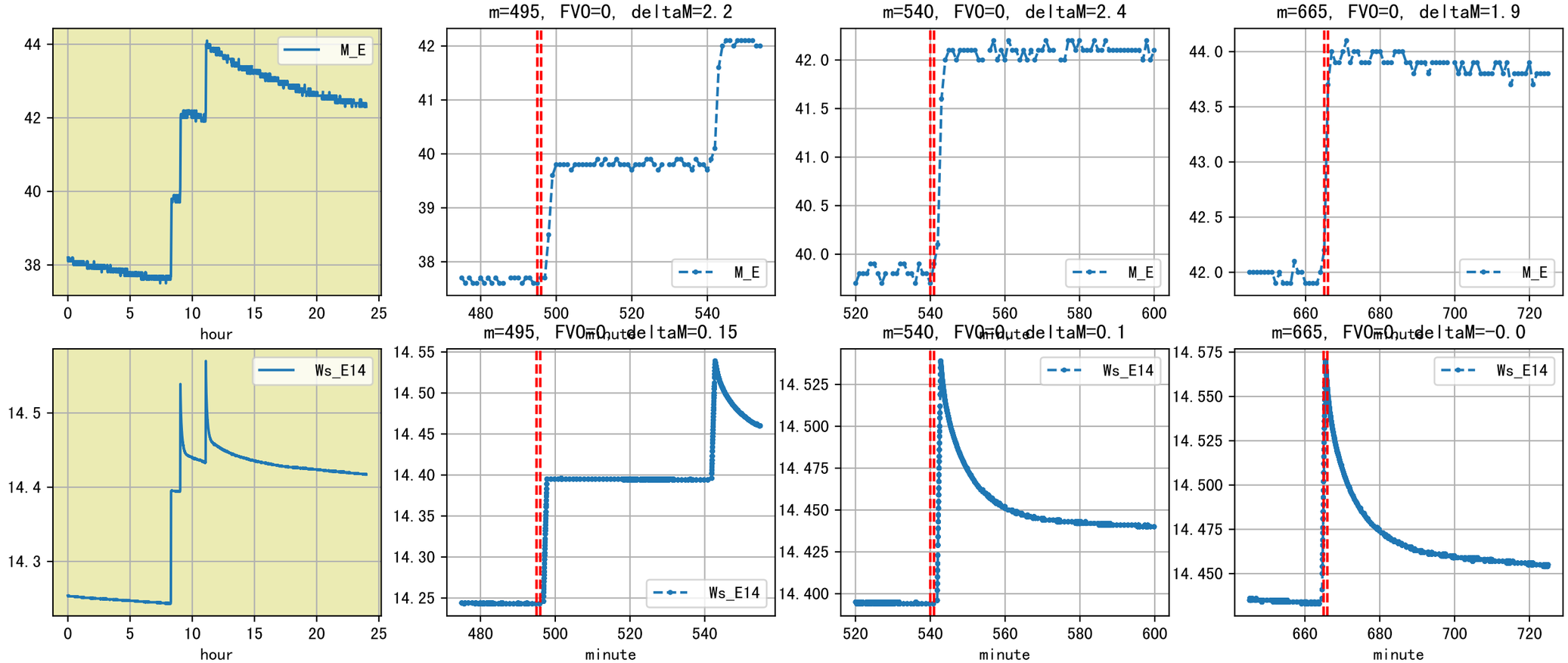

m=540, FV0=0, deltaM=0.07
Ws_E14
14.64
14.62
14.60
14.58
14.56
14.54
14.52
520
540
560
580
600
minute

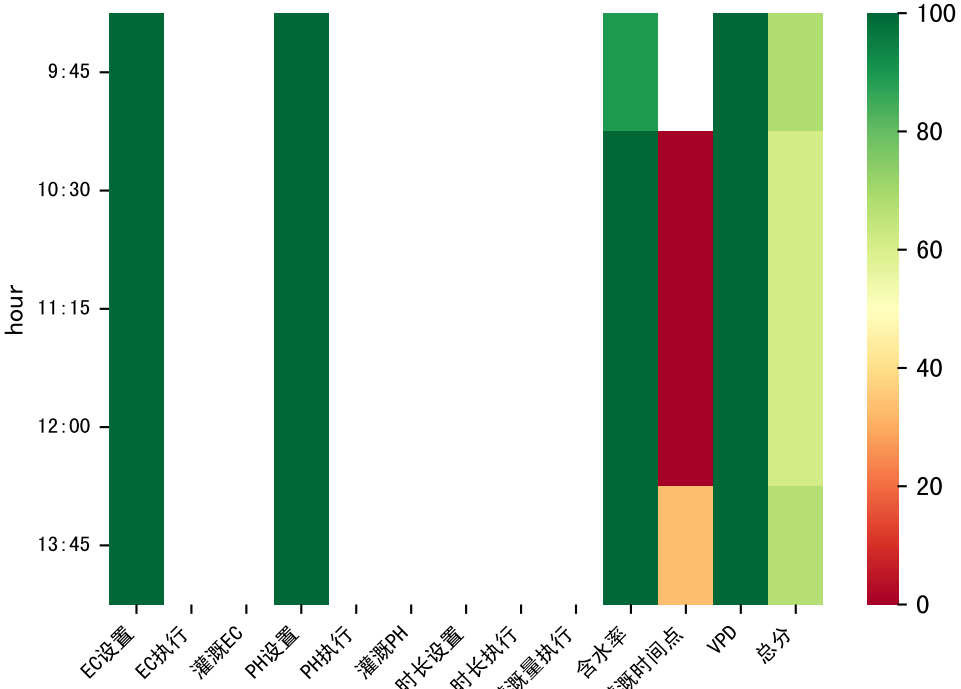

hour
8:00
12:00
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
总计	0 (0次)	0			建议进液EC：1900， PH：6.0

L1A1_1, Day=161.0 (2026-03-16)



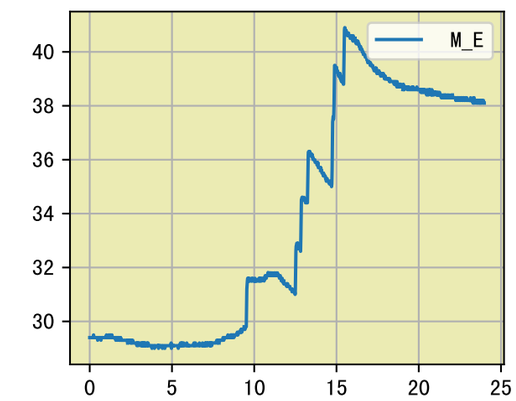

m=495, FV0=0, deltaM=2.2
m=540, FV0=0, deltaM=2.4
m=665, FV0=0, deltaM=1.9
M_E
Ws_E14
hour
minute

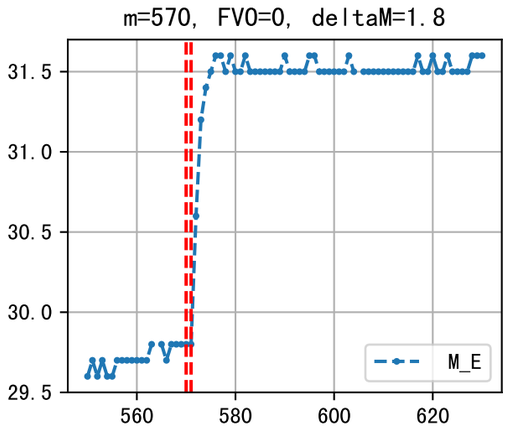

hour
9:45
10:30
11:15
12:00
13:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

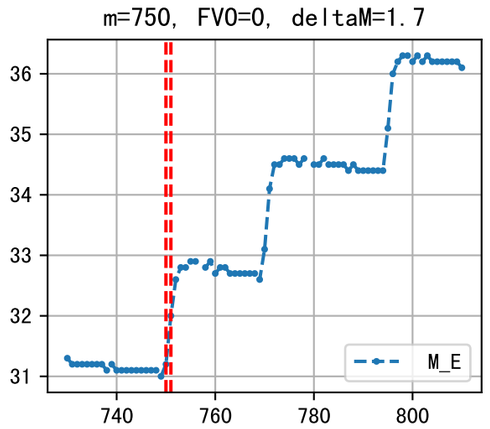
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:45	54	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
10:30	54	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
11:15	54	30.0	0.122	雾	假设 未知程序（未用进回液传感器）（预期回液 无）
12:00	54	30.0	0.122	阴	假设 未知程序（未用进回液传感器）（预期回液 无）
13:45	54	30.0	0.122	多云	假设 未知程序（未用进回液传感器）（预期回液 无）
总计	270.0 (5次)	150.0			建议进液EC：1900， PH：6.0

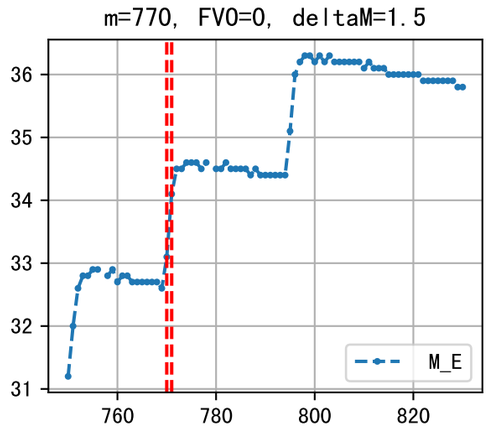
上次灌溉流速比过去5天平均小 (0.59 vs 0.66)，可能管道压力异常或有管道堵塞
默认实际灌溉30.0 ml.

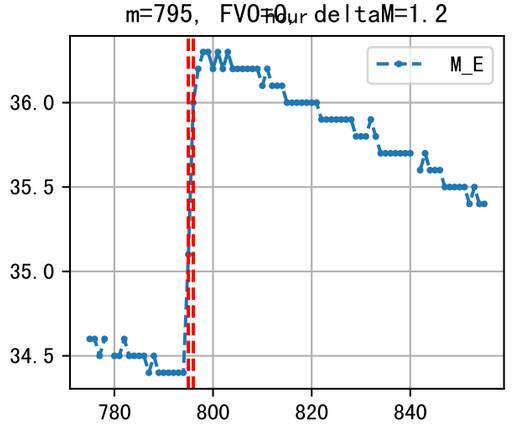
L1A1_1, Day=160.0 (2026-03-15)

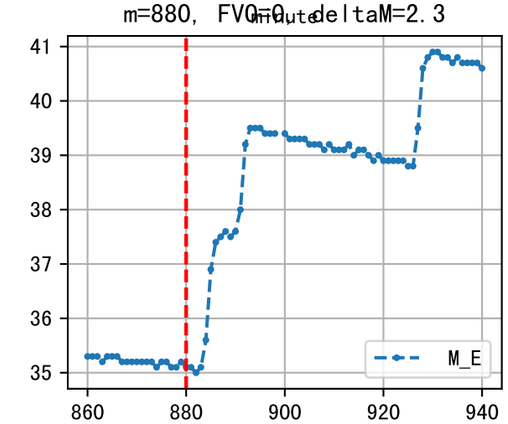

M_E

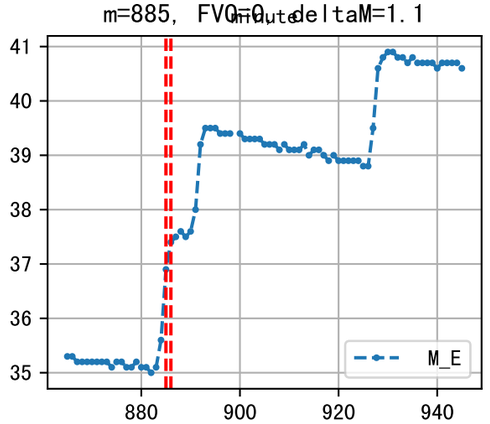

m=570, FVO=0, deltaM=1.8
M_E

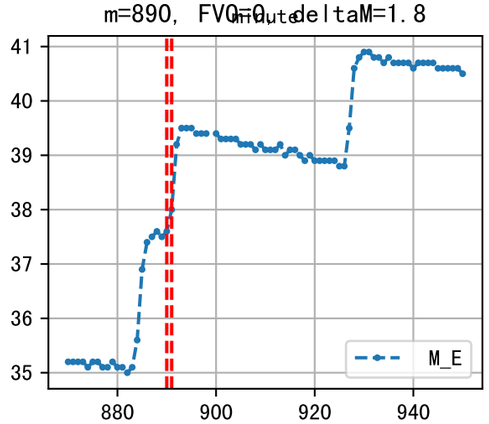

m=750, FVO=0, deltaM=1.7
M_E

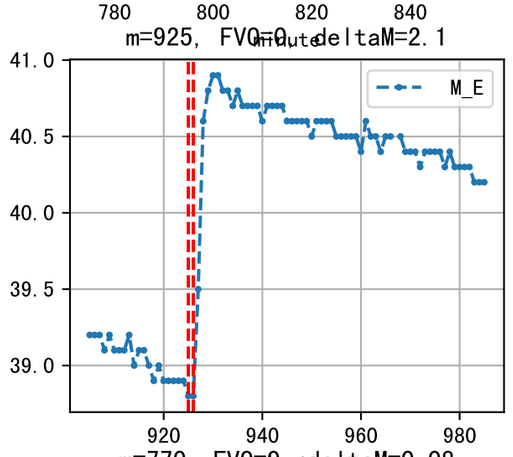

m=770, FVO=0, deltaM=1.5
M_E

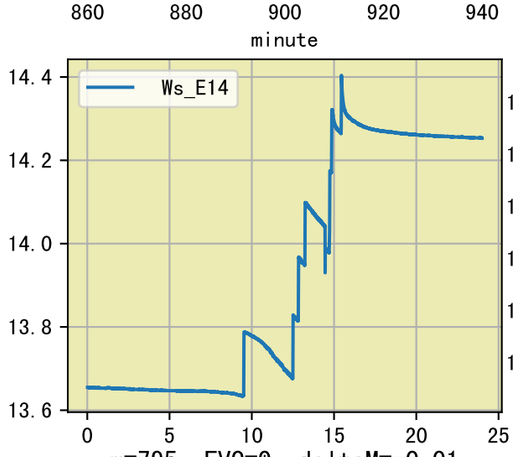

m=795, FVO=0, deltaM=1.2
M_E

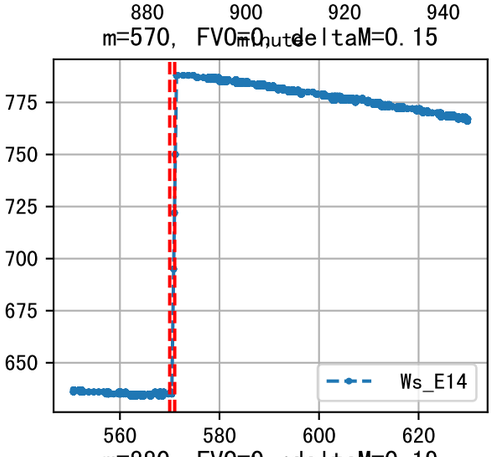

m=880, FVO=0, deltaM=2.3
M_E

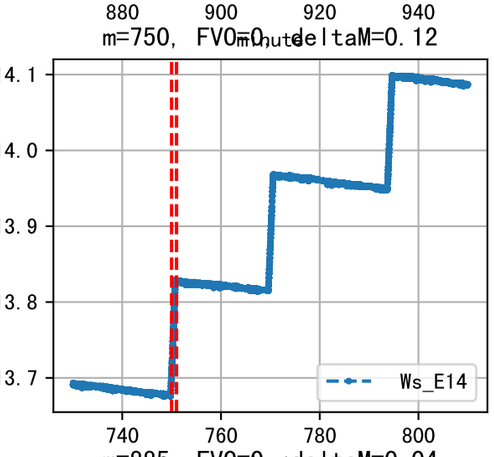

m=885, FVO=0, deltaM=1.1
M_E

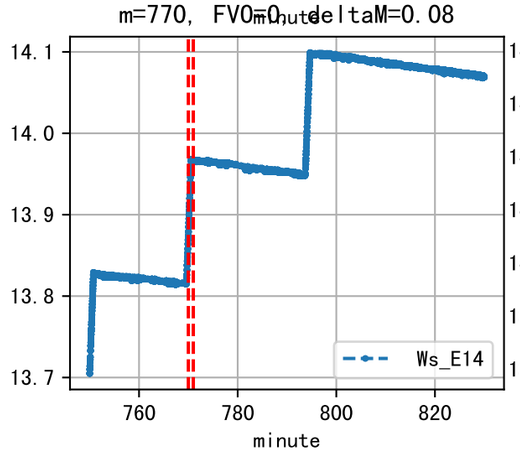

m=890, FVO=0, deltaM=1.8
M_E

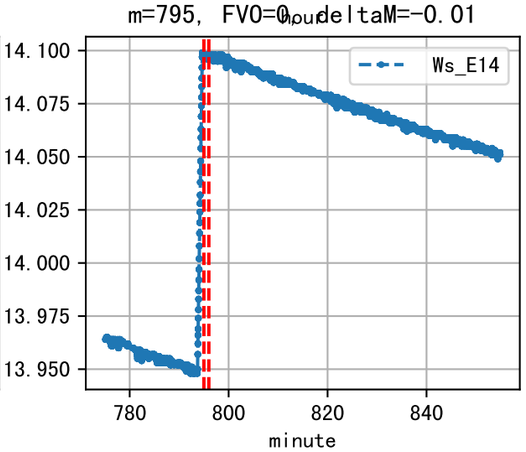

m=925, FVO=0, deltaM=2.1
M_E

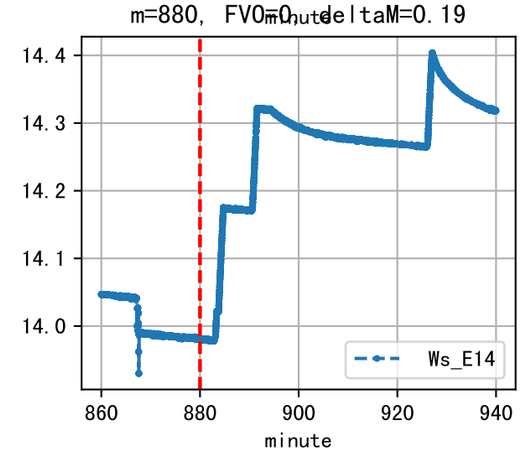

Ws_E14

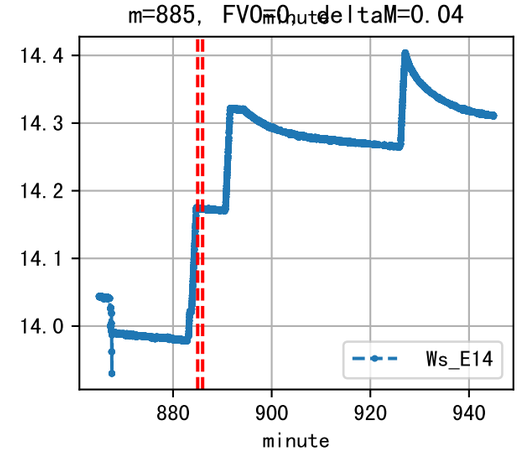

m=570, FVO=0, deltaM=0.15
Ws_E14

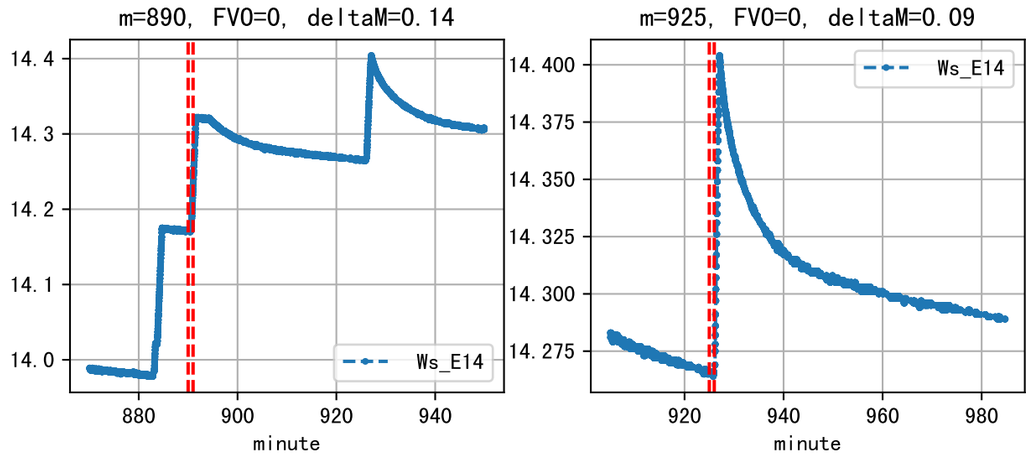

m=750, FVO=0, deltaM=0.12
Ws_E14


m=770, FVO=0, deltaM=0.08
Ws_E14
minute


m=795, FVO=0, deltaM=-0.01
Ws_E14
minute


m=880, FVO=0, deltaM=0.19
Ws_E14
minute


m=885, FVO=0, deltaM=0.04
Ws_E14
minute


m=890, FV0=0, deltaM=0.14
14.4
14.3
14.2
14.1
14.0
880
900
920
940
minute
Ws_E14
m=925, FV0=0, deltaM=0.09
14.400
14.375
14.350
14.325
14.300
14.275
920
940
960
980
minute
Ws_E14