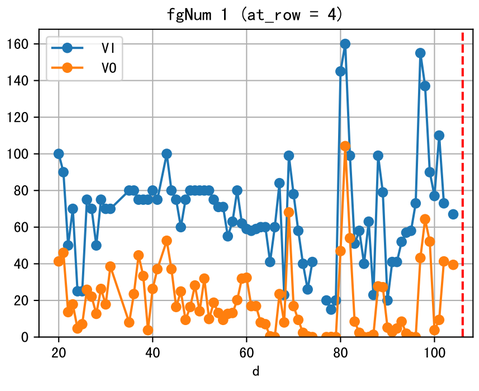
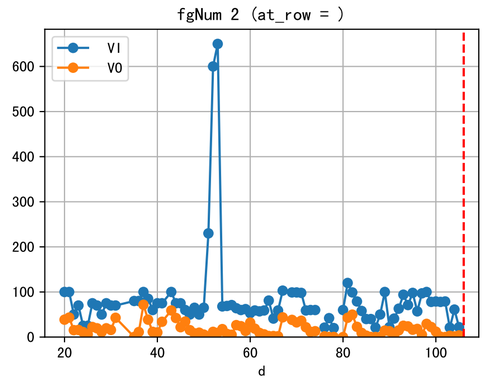
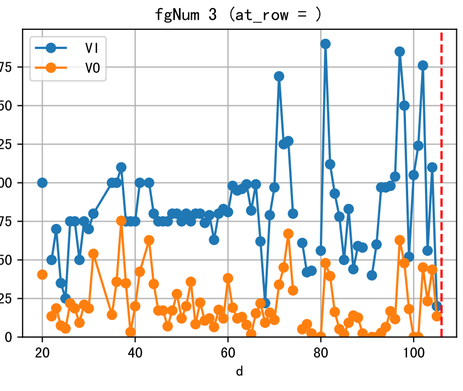
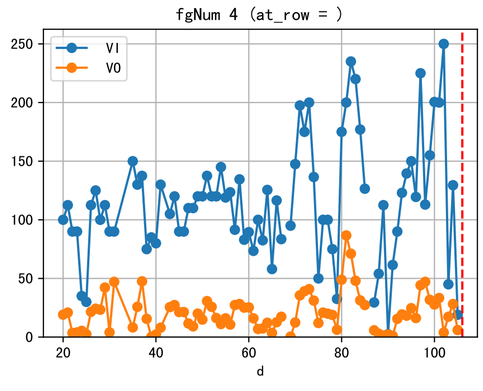
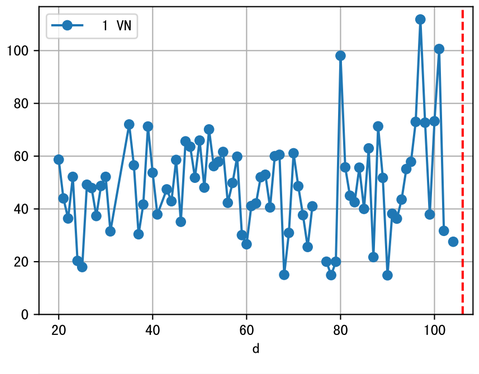
FgArea: ['1']
NJ15 L1
2026-01-20 (Day 106)

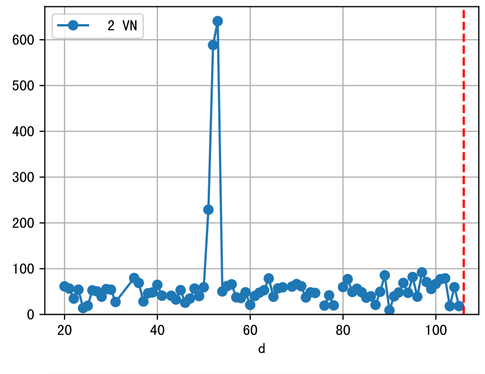

fgNum 1 (at_row = 4)
VI
VO
d

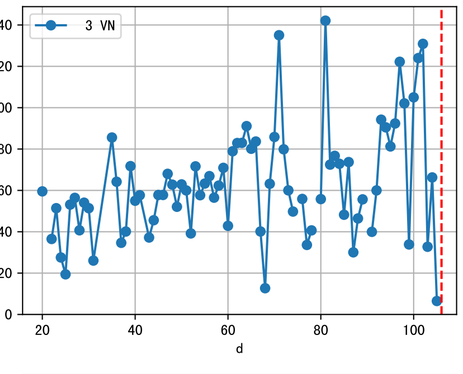

fgNum 2 (at_row =)
VI
VO
d

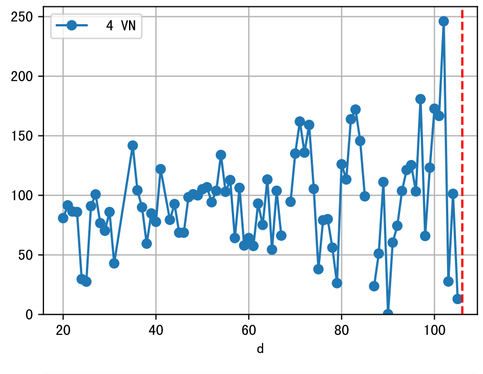

fgNum 3 (at_row =)
VI
VO
d

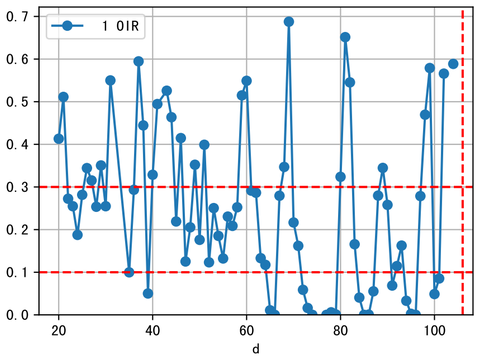

fgNum 4 (at_row =)
VI
VO
d

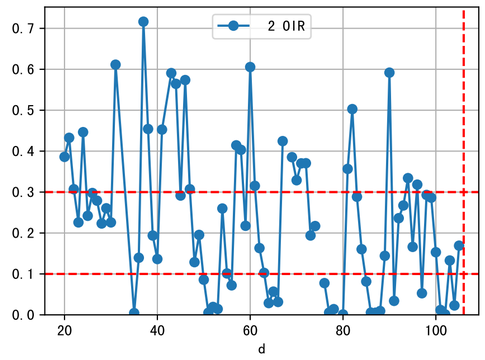

1 VN
d

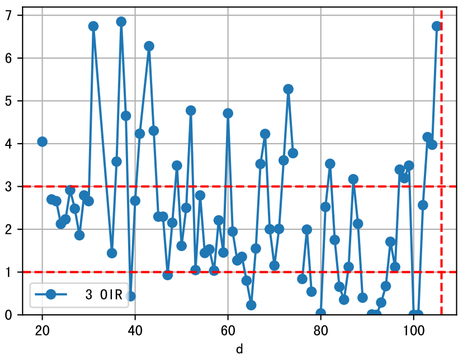

2 VN
d

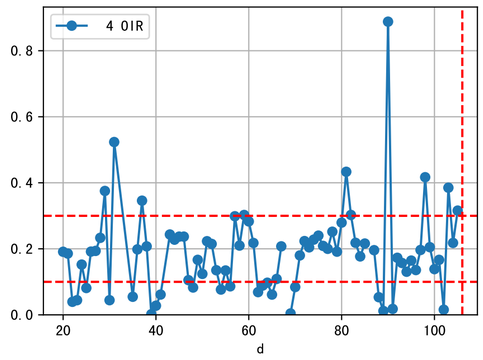

3 VN
d

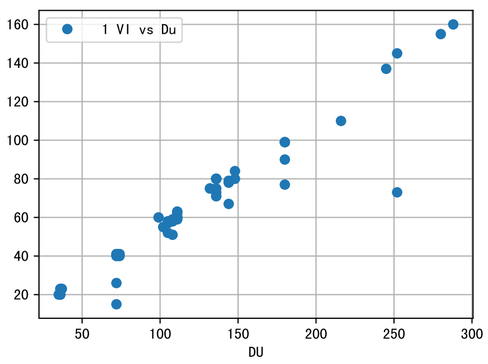

4 VN
d

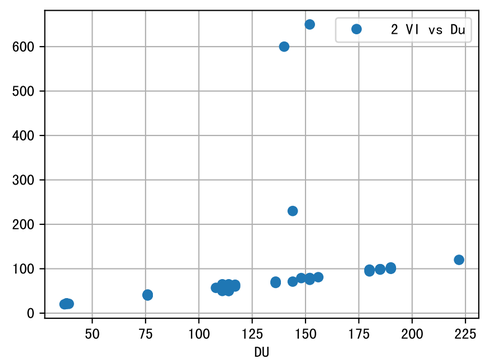

1 OIR
d

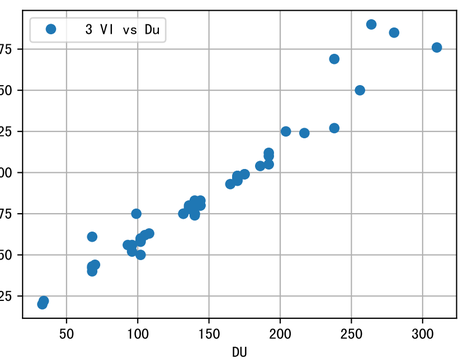

2 OIR
d

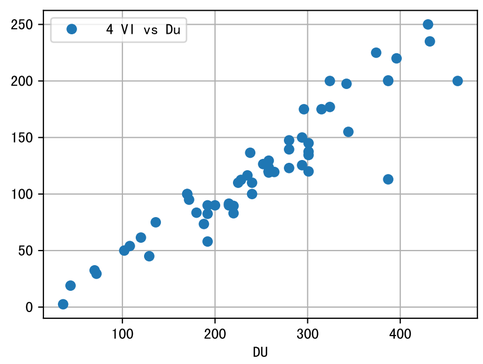

3 OIR
d

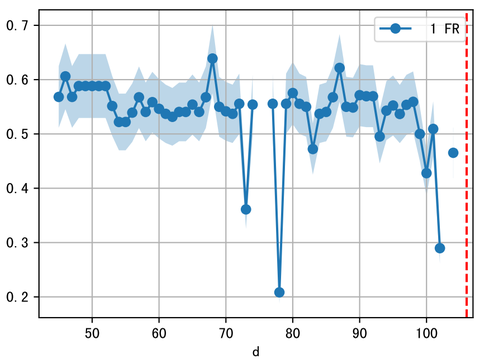

4 OIR
d

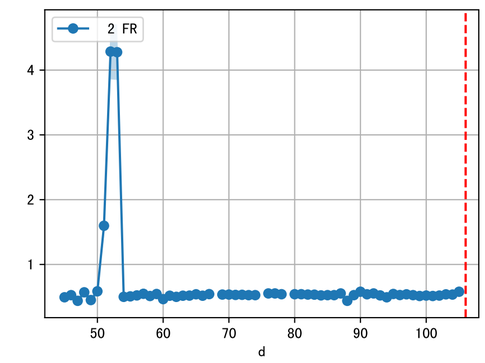

1 VI vs Du
DU

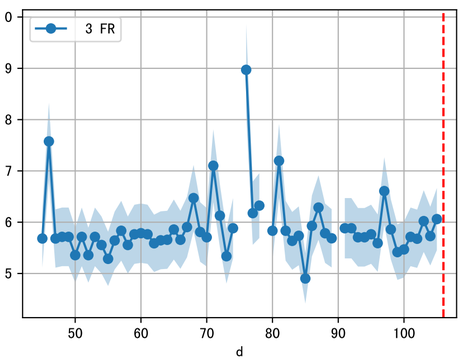

2 VI vs Du
DU

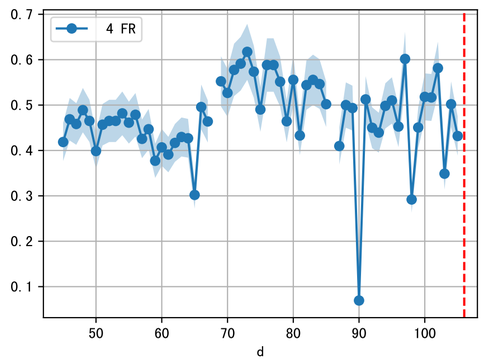

3 VI vs Du
DU

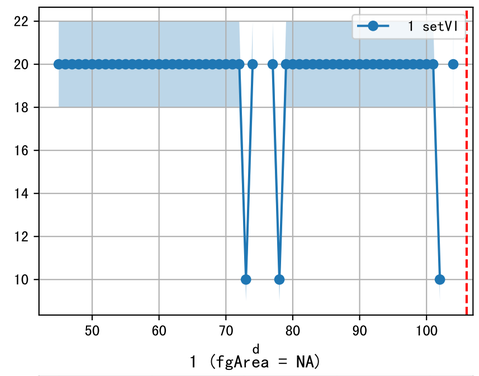

4 VI vs Du
DU

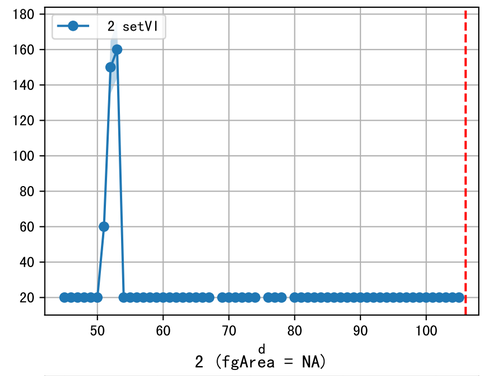

1 FR
d

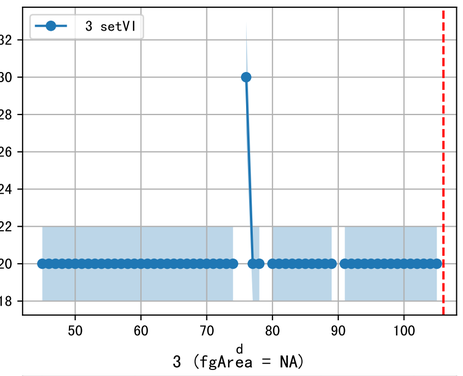

2 FR
d

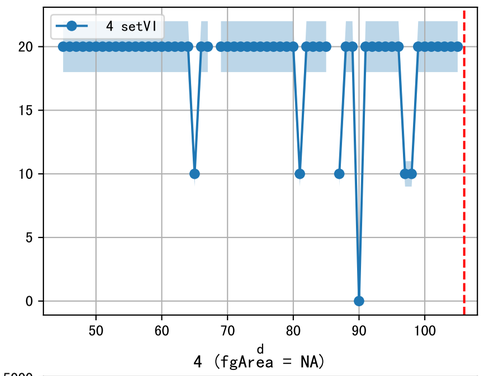

3 FR
d

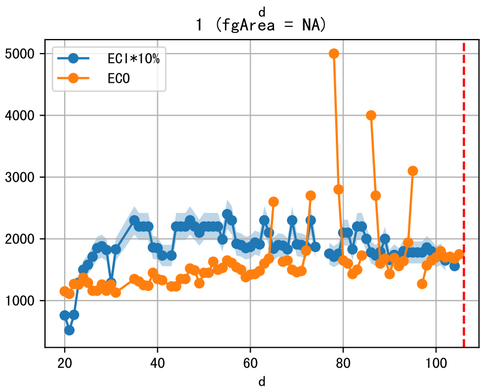

4 FR
d

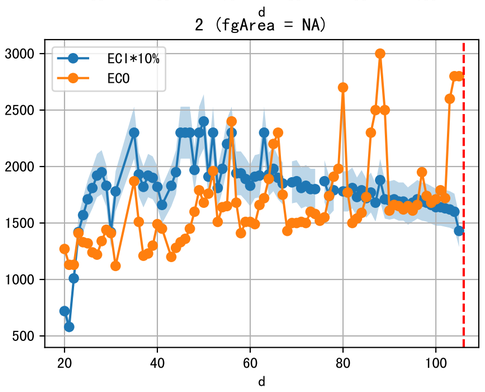

1 setVI
d

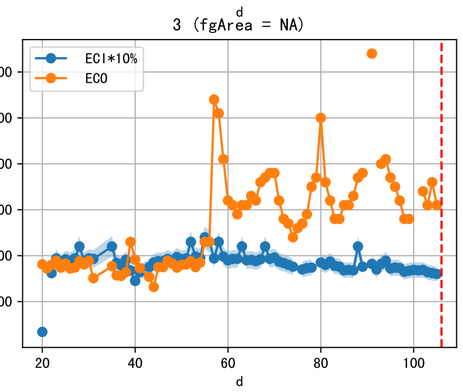

2 setVI
d

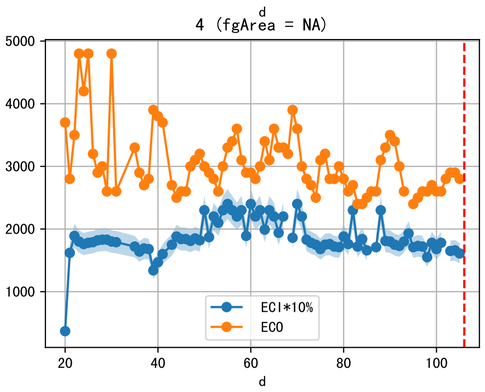

3 setVI
d

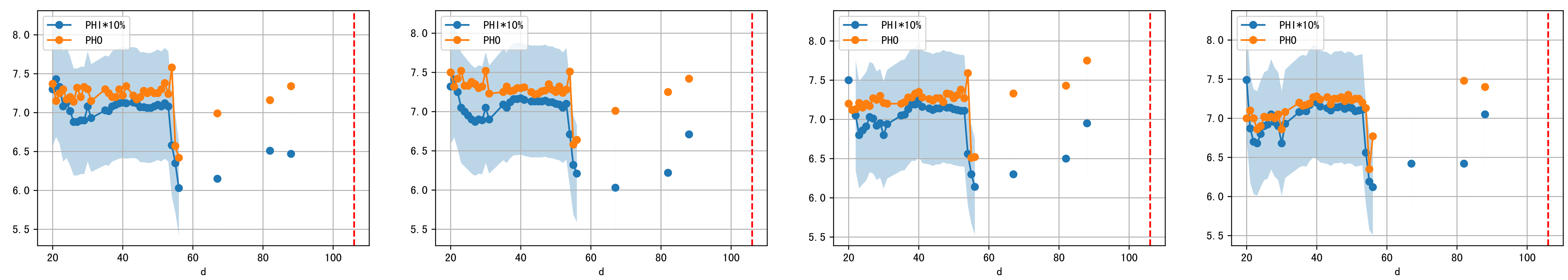

4 setVI
d

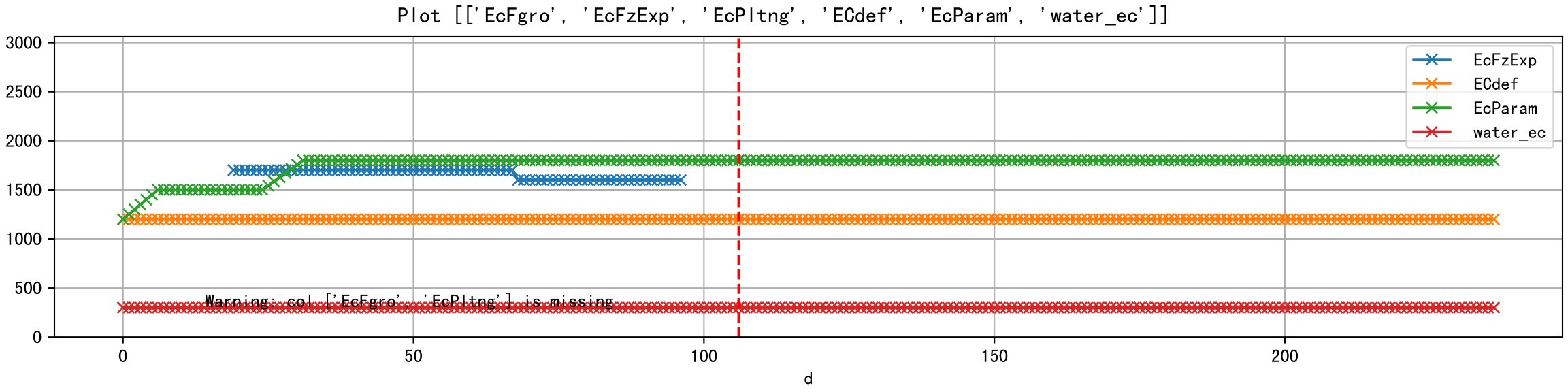

1 (fgArea = NA)
ECI*10%
ECO
d

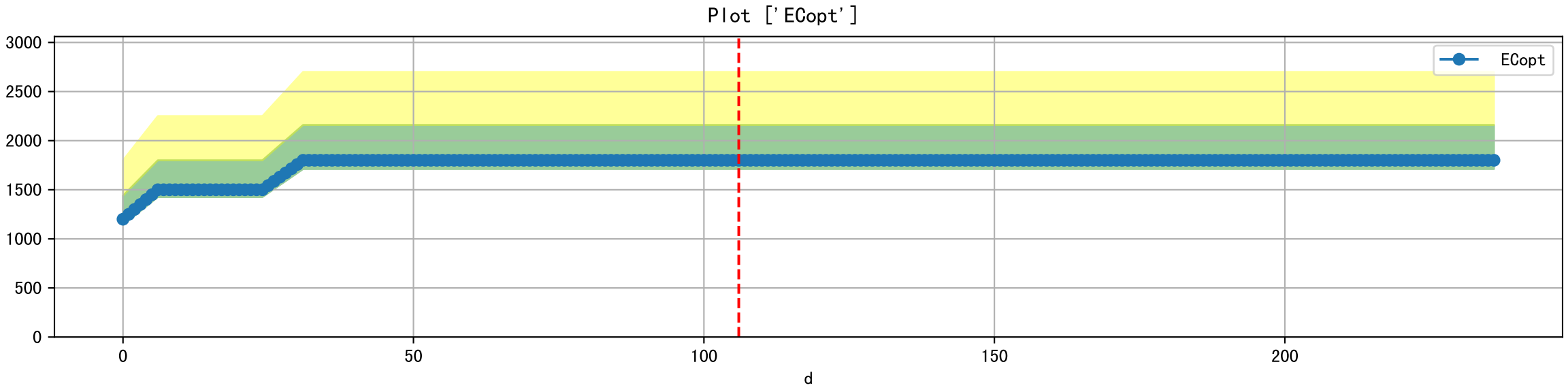

2 (fgArea = NA)
ECI*10%
ECO
d


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


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

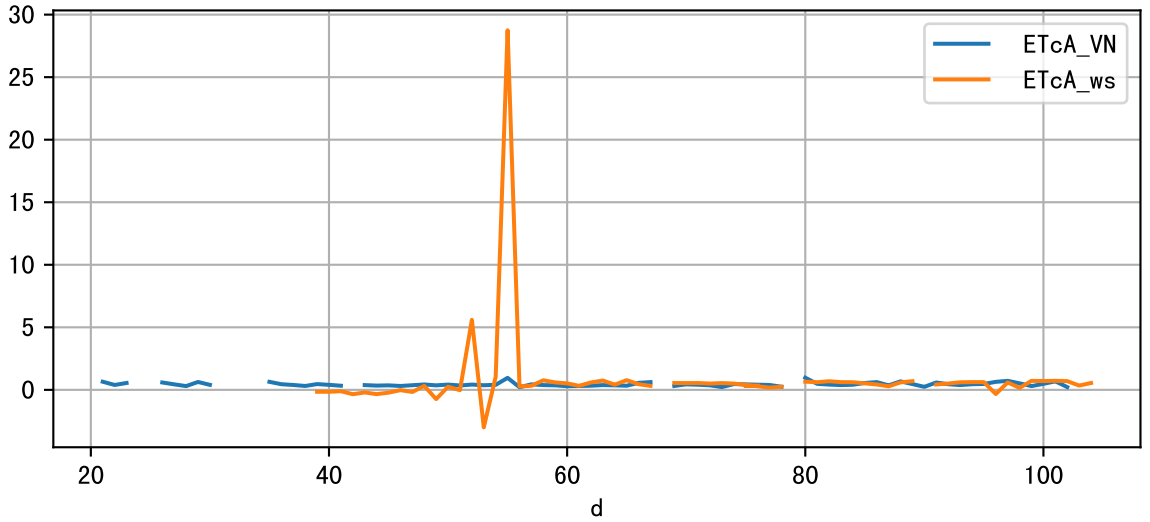

PHI*10%
PHO
d

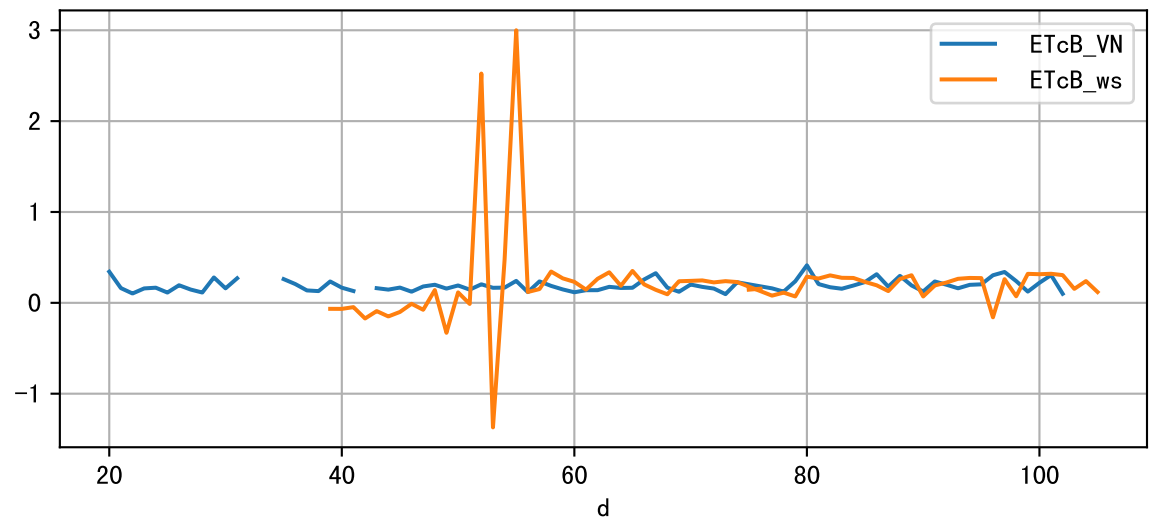

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

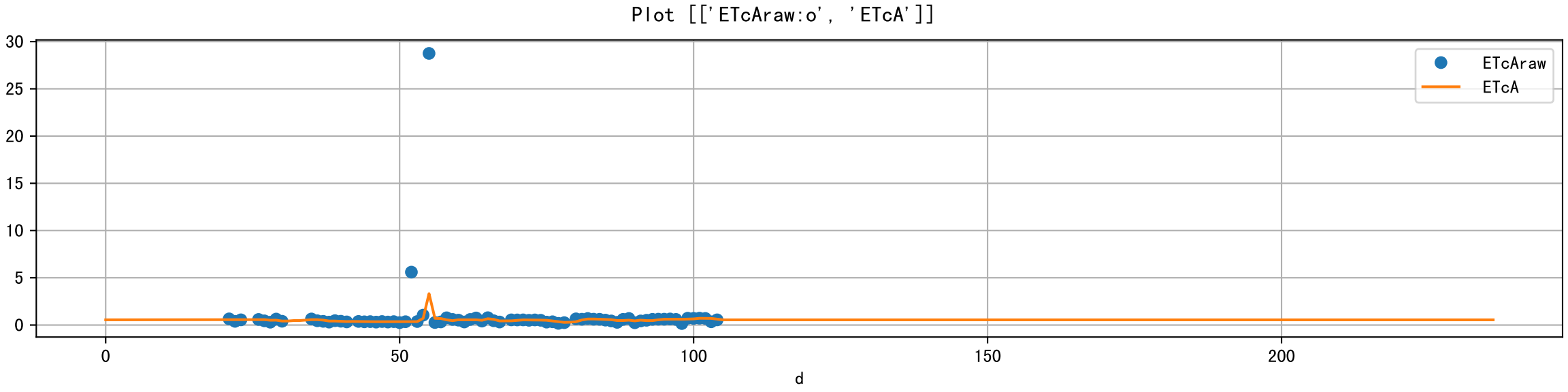

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

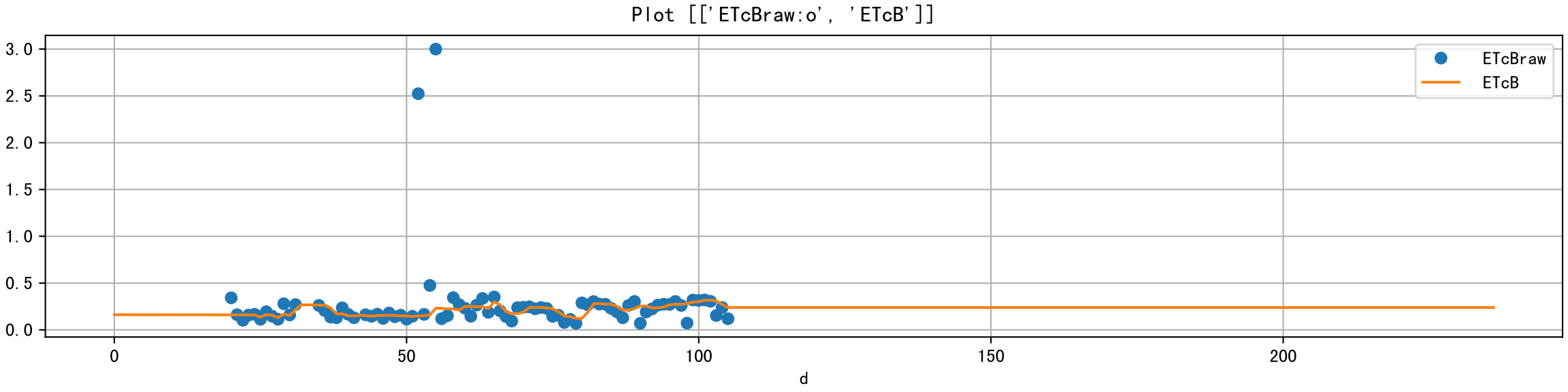
Plot Sensor and FgRec Data

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

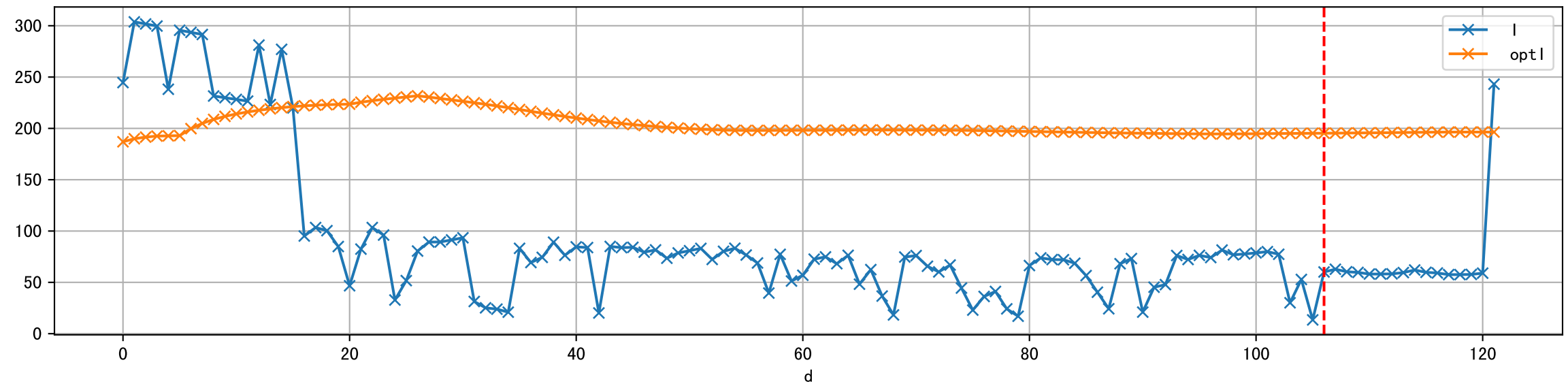


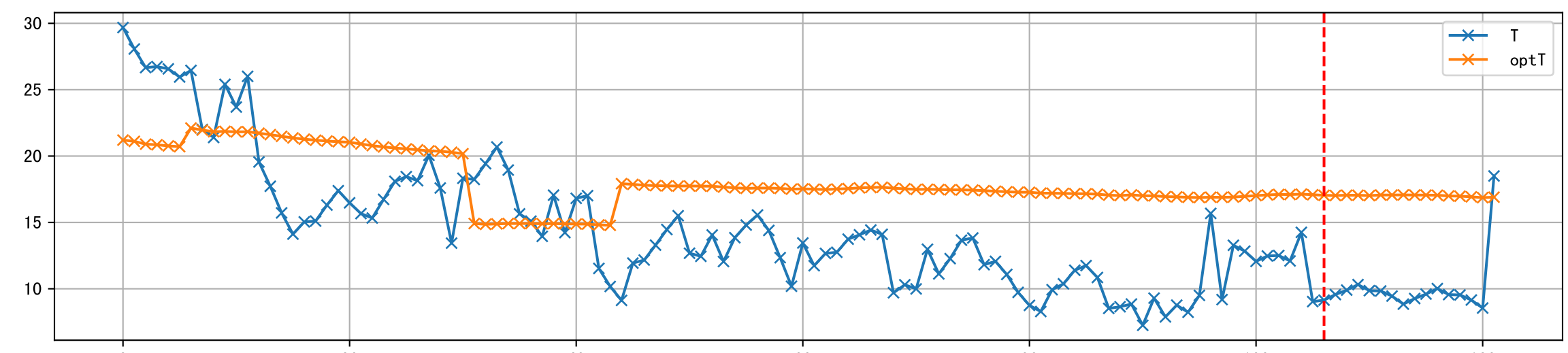


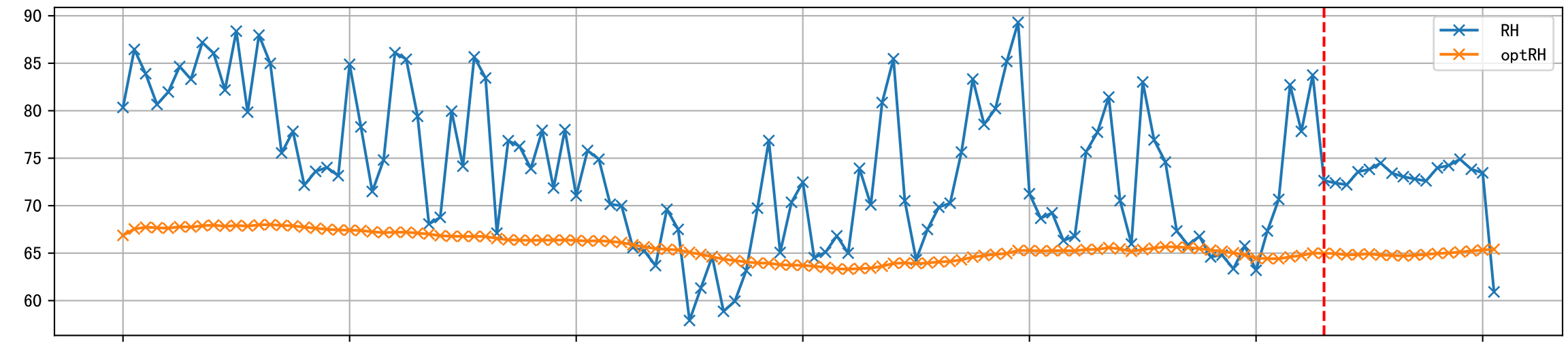

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
30
25
20
15
10
5
0
0
50
100
150
200
d

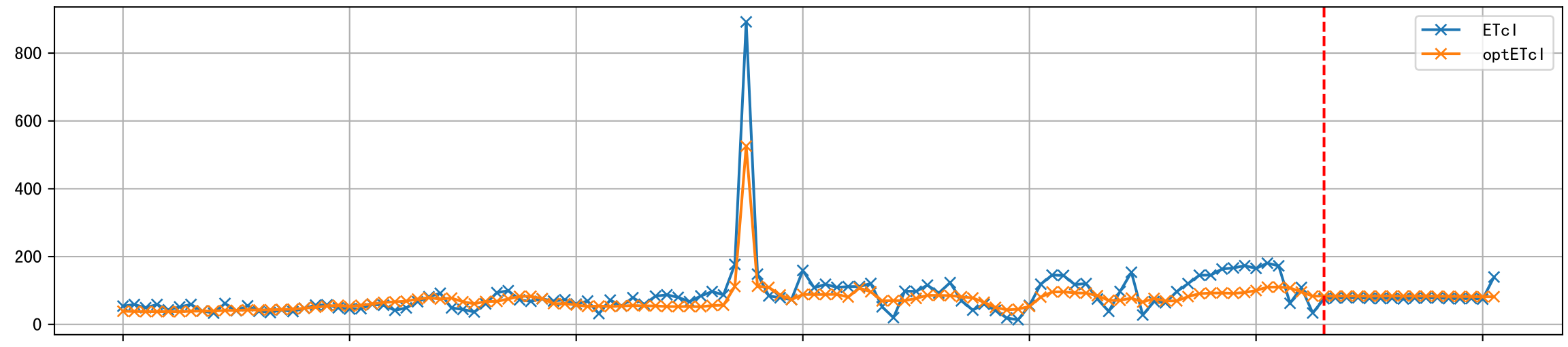

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

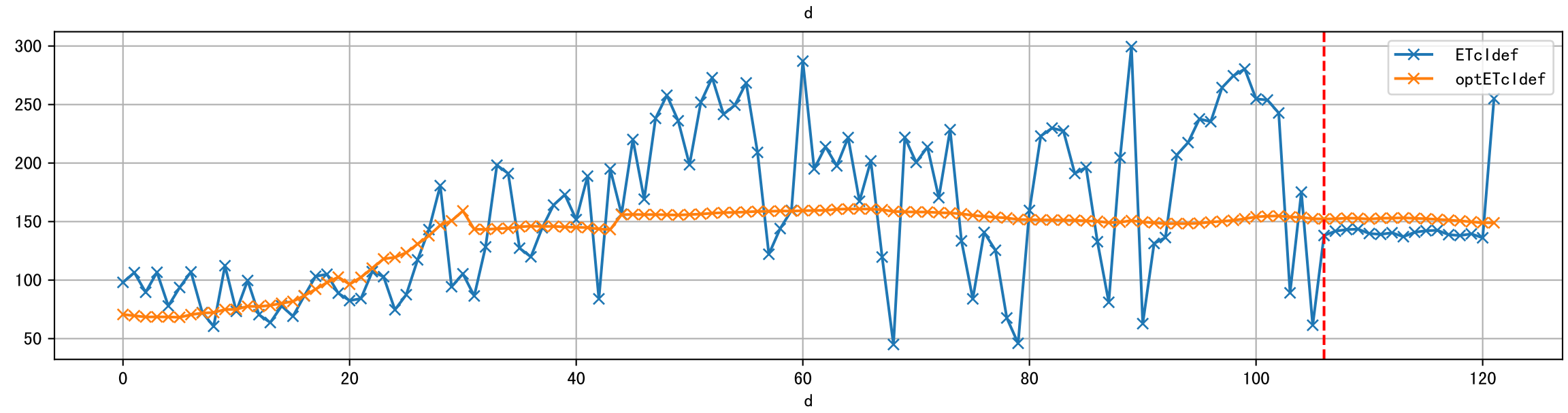
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

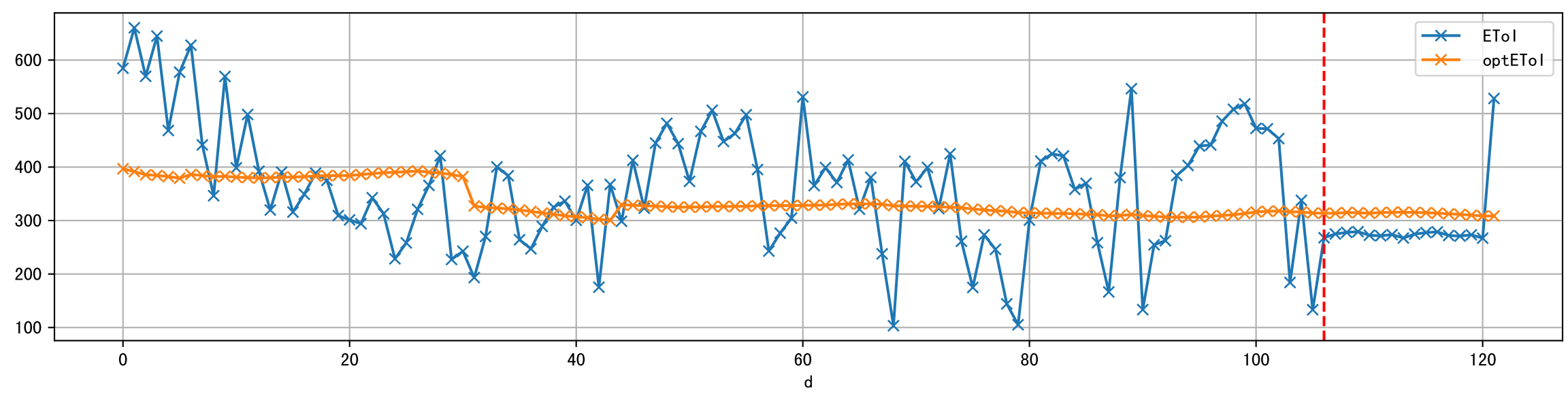


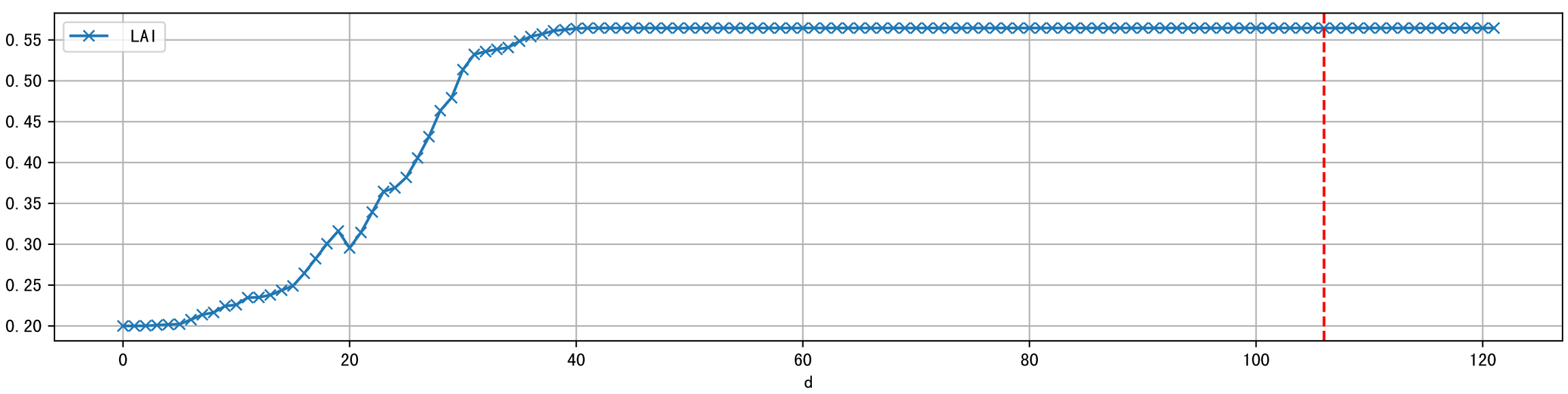


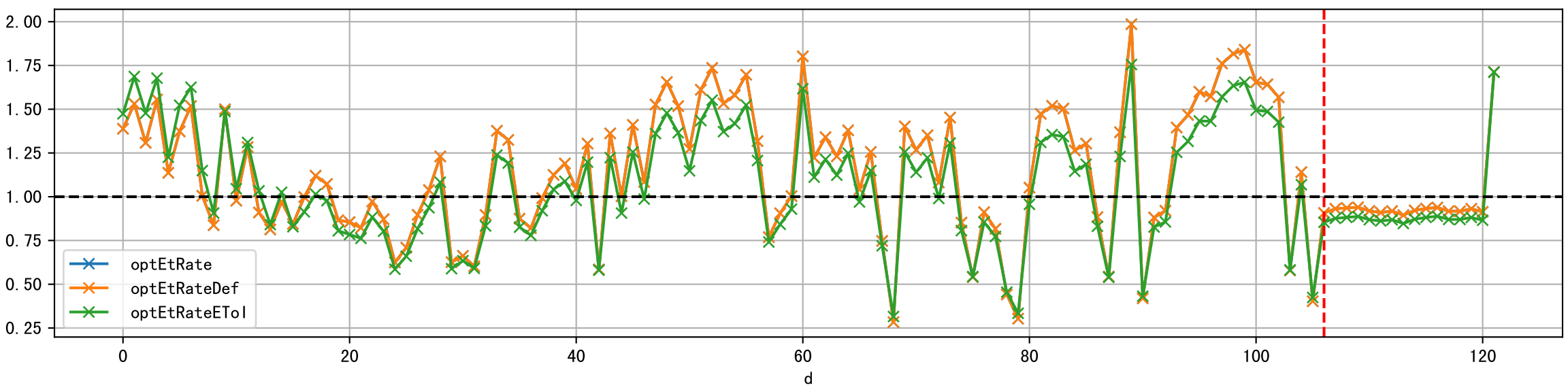


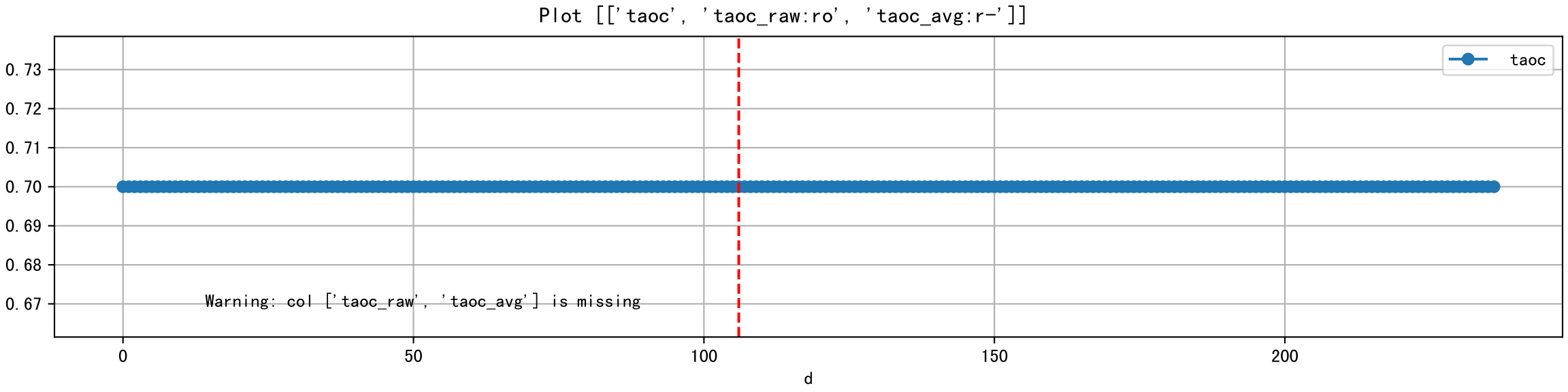


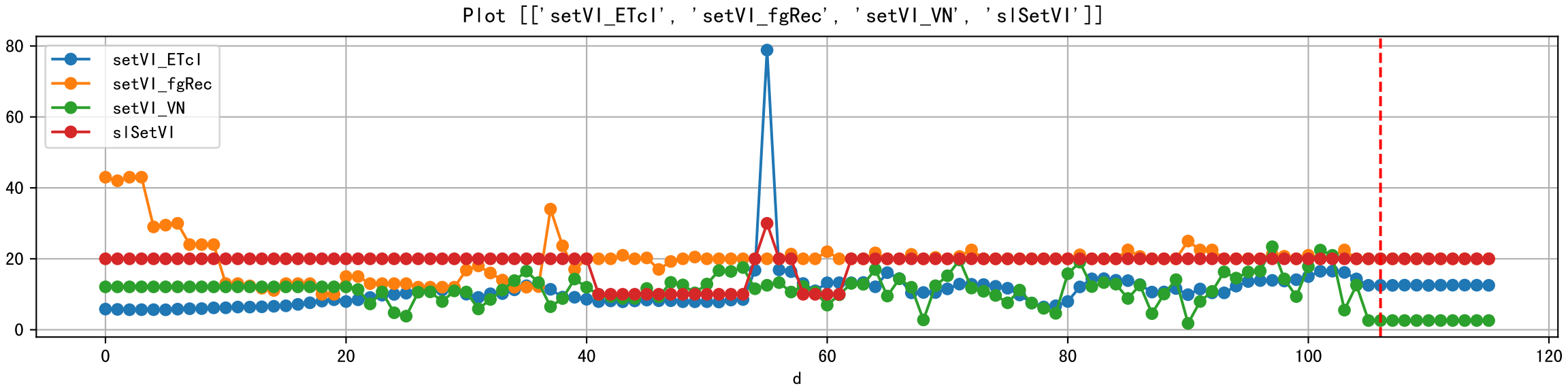


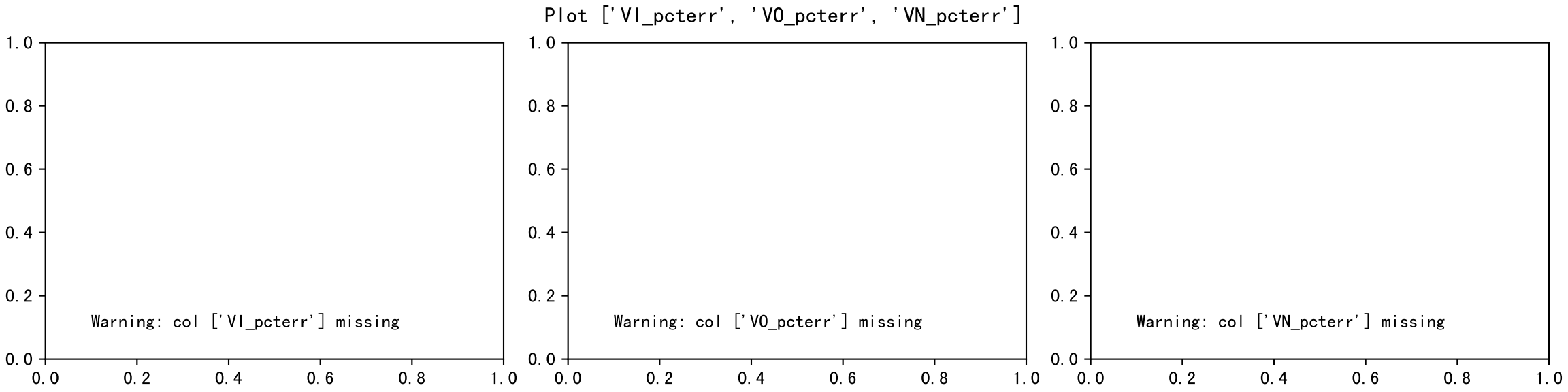


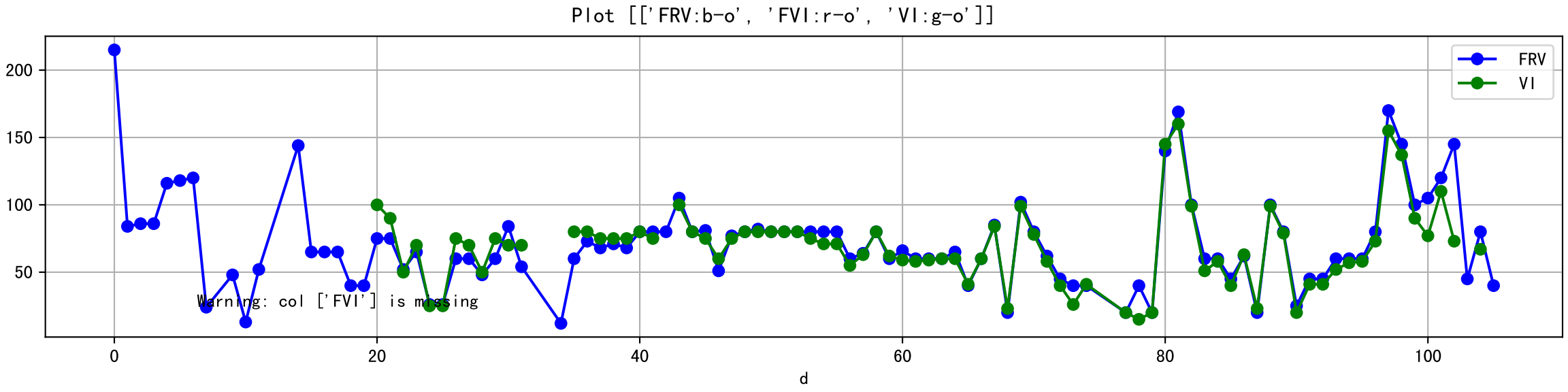


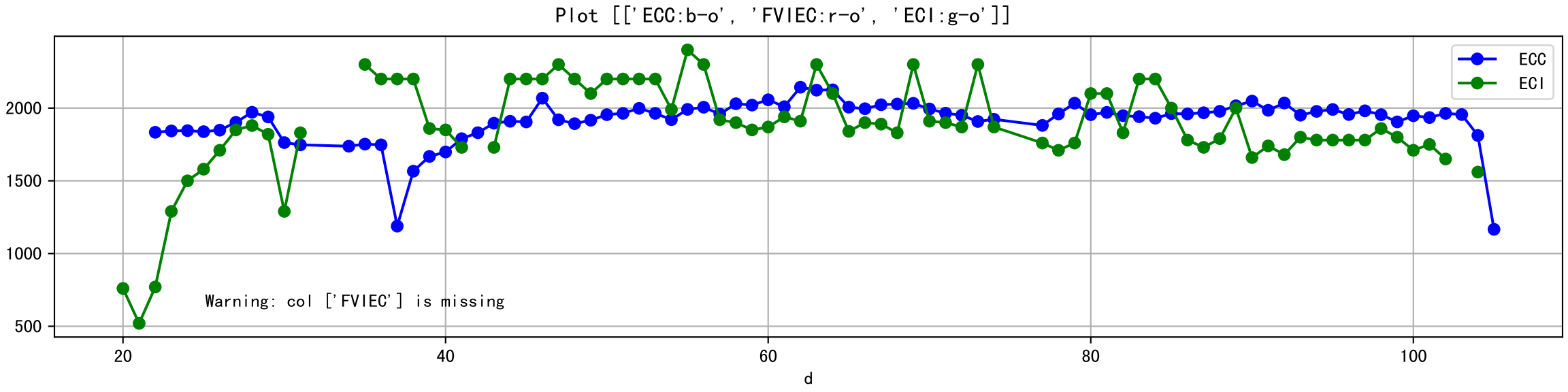


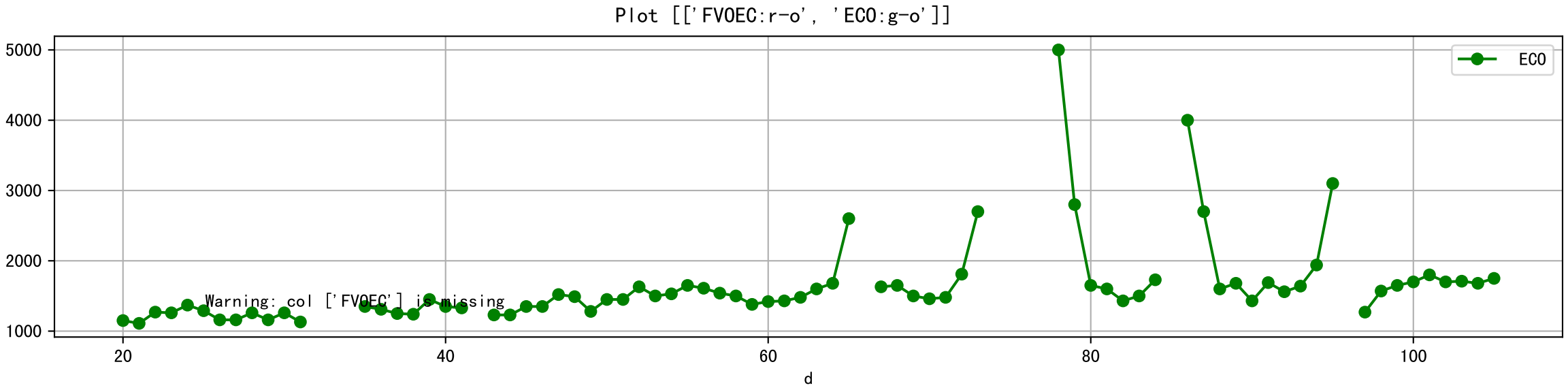

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

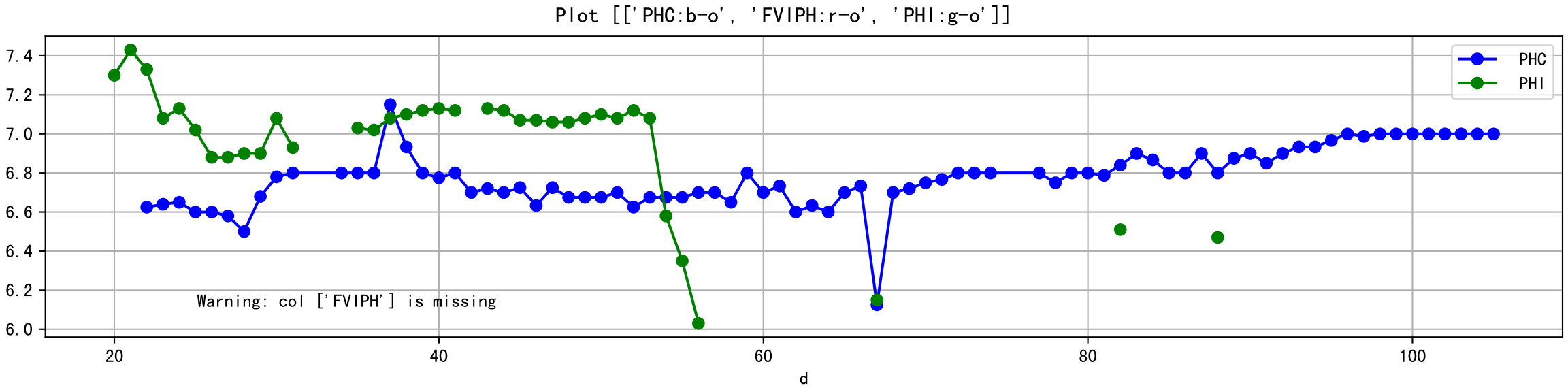

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
0
20
40
60
80
100
120
d

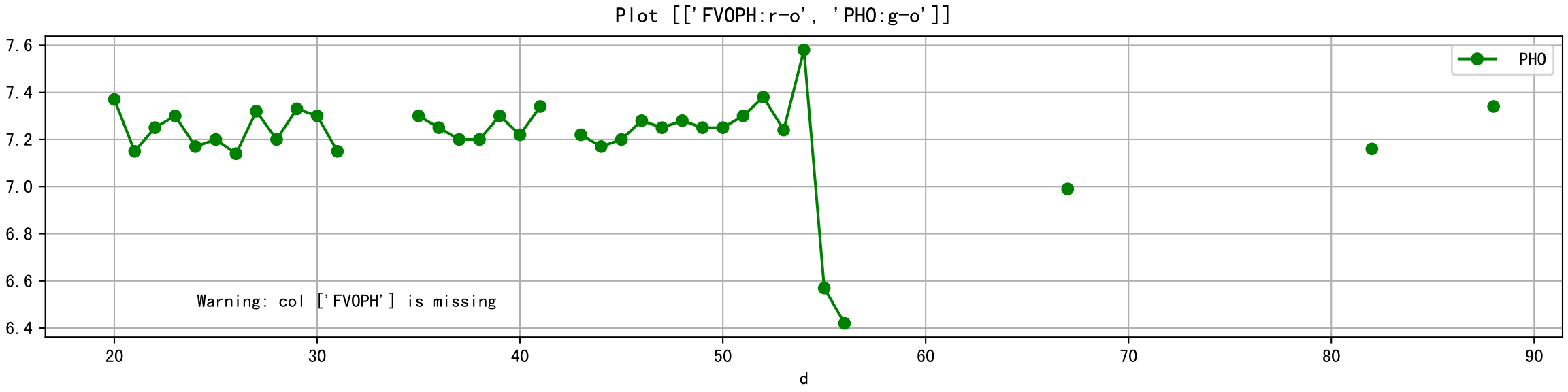

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

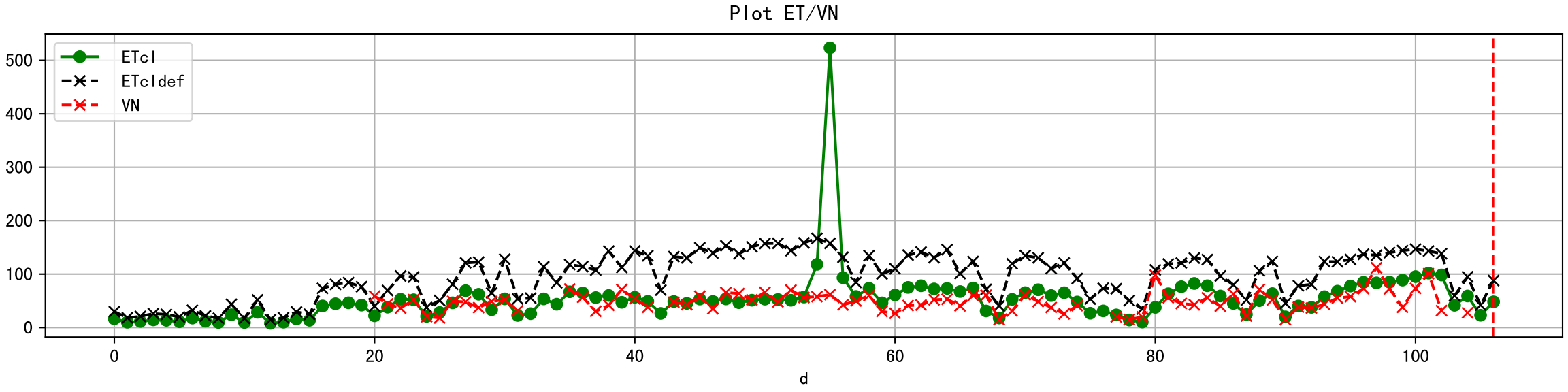

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
200
150
100
50
0
20
40
60
80
100
d


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
d

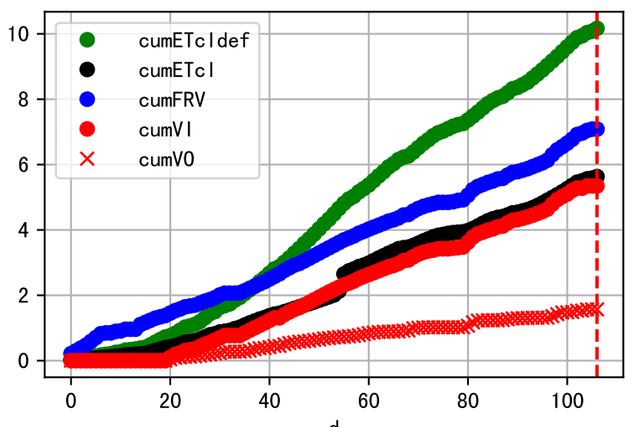

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
d

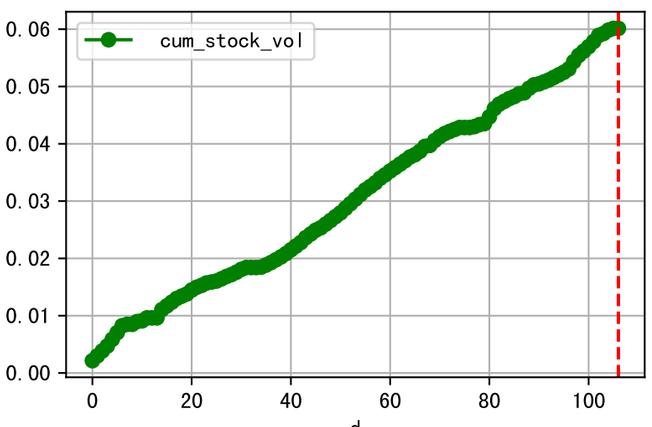

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
d

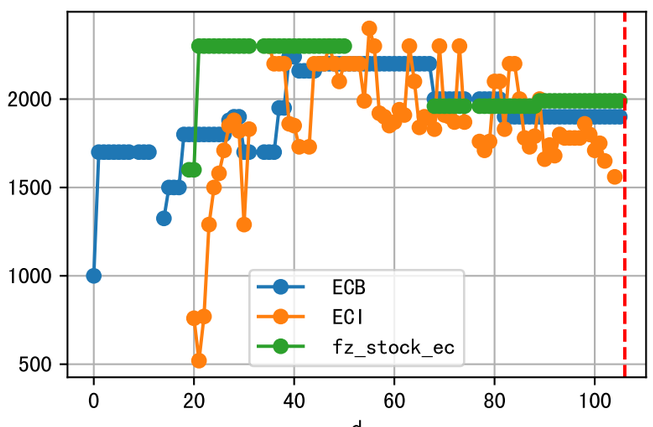

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

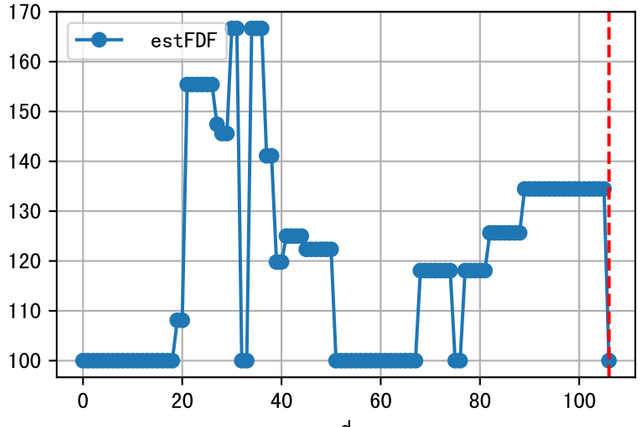

Plot ET/VN
ETcl
ETcldef
VN
500
400
300
200
100
0
0
20
40
60
80
100
d

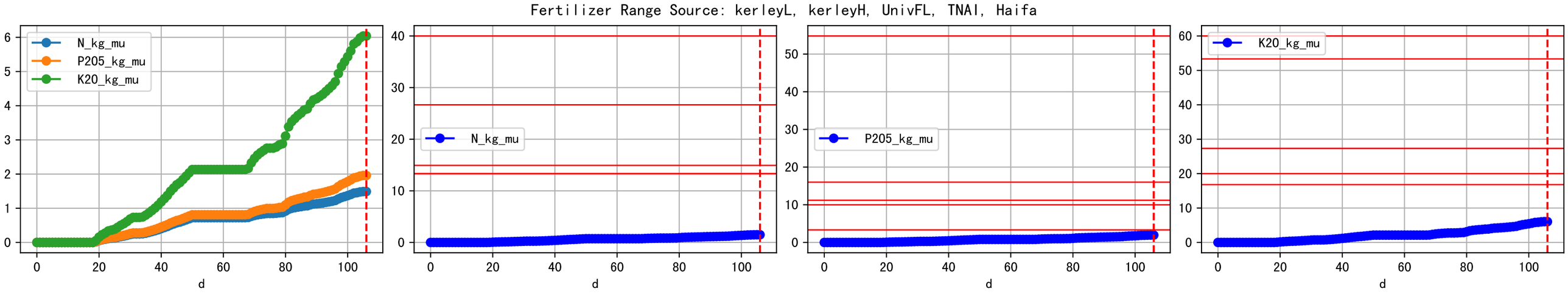
Plot Fv and fertilizer usage

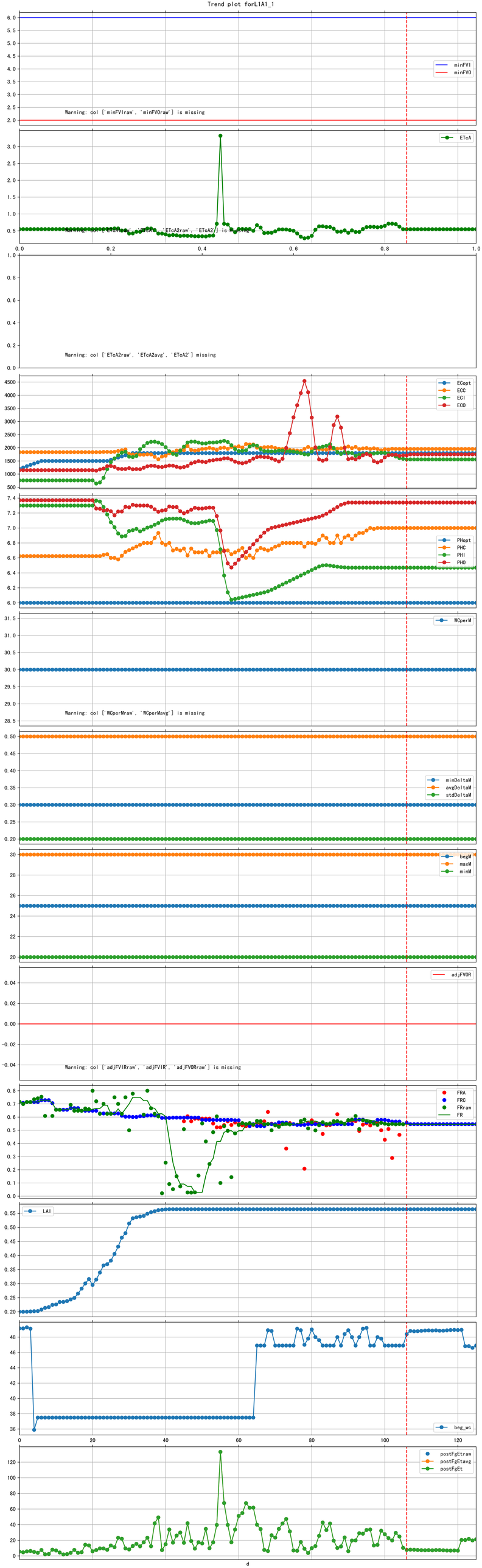


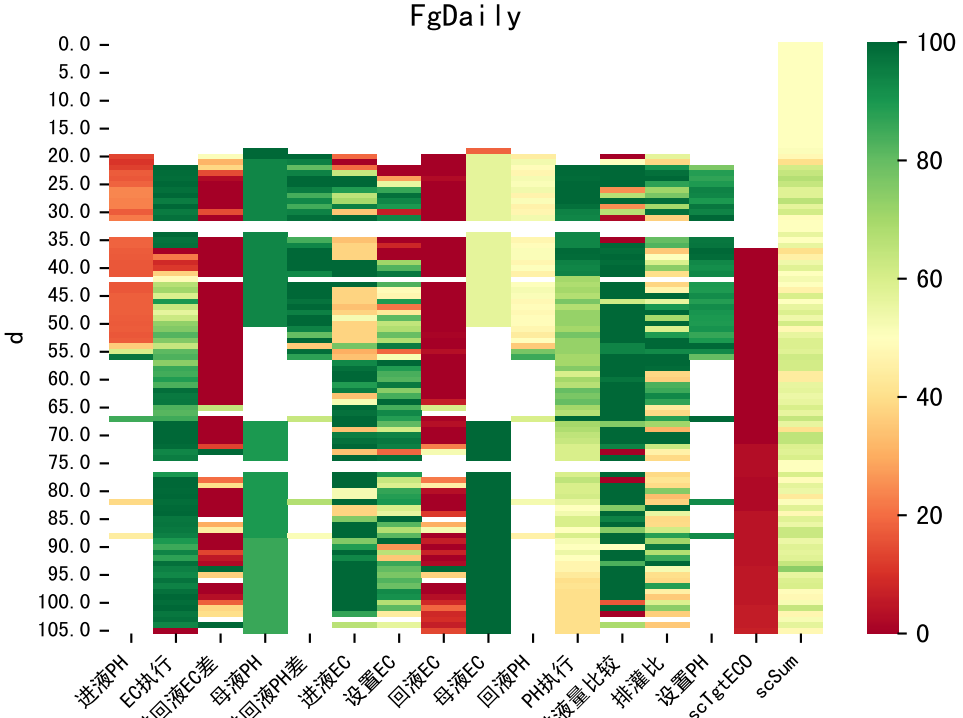




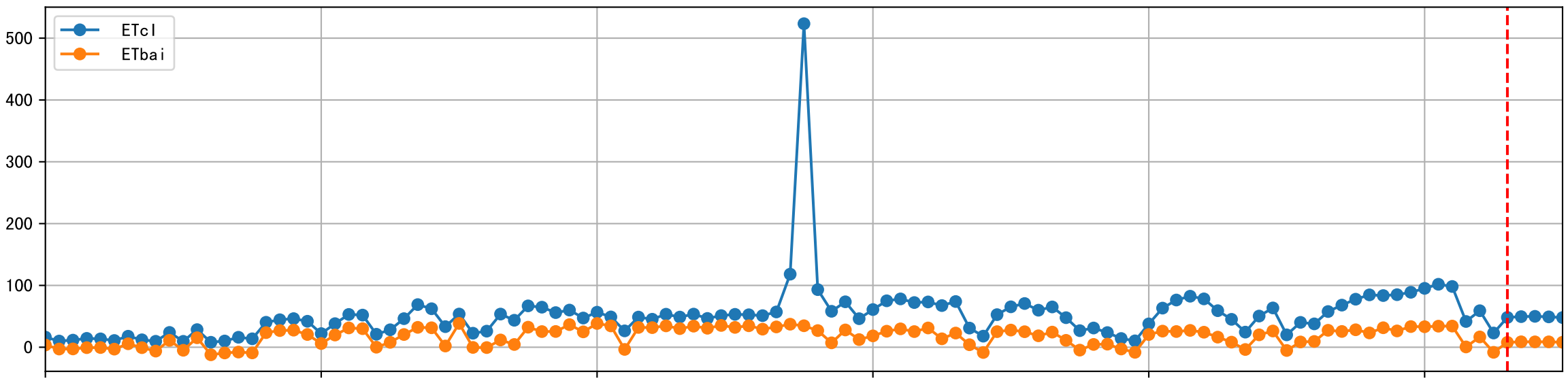


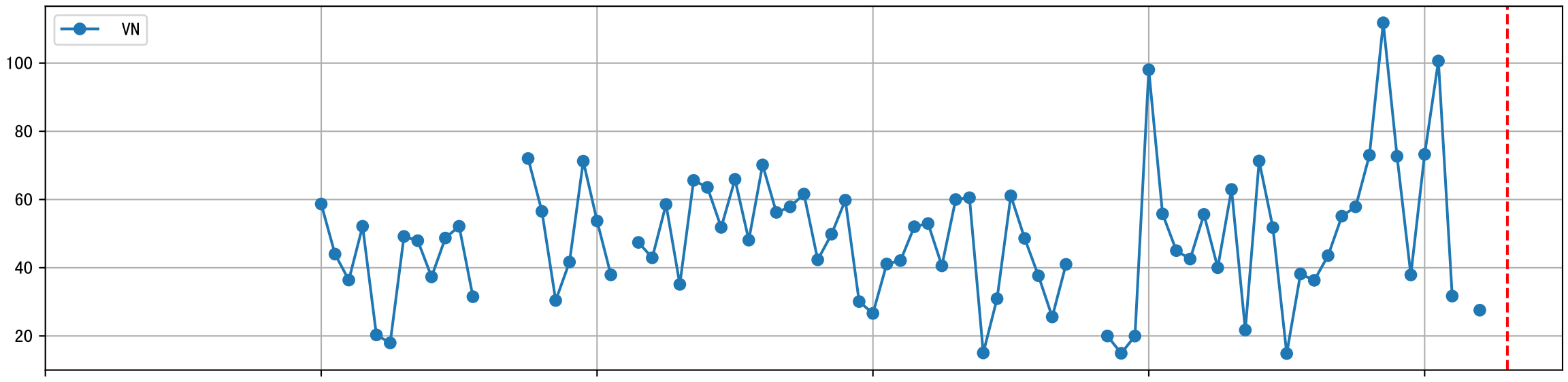

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

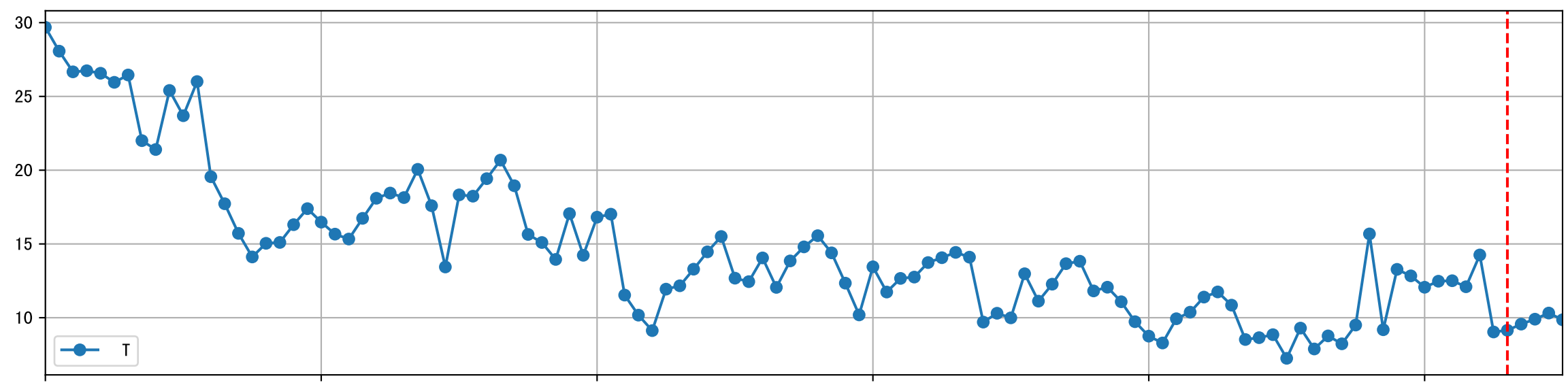

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

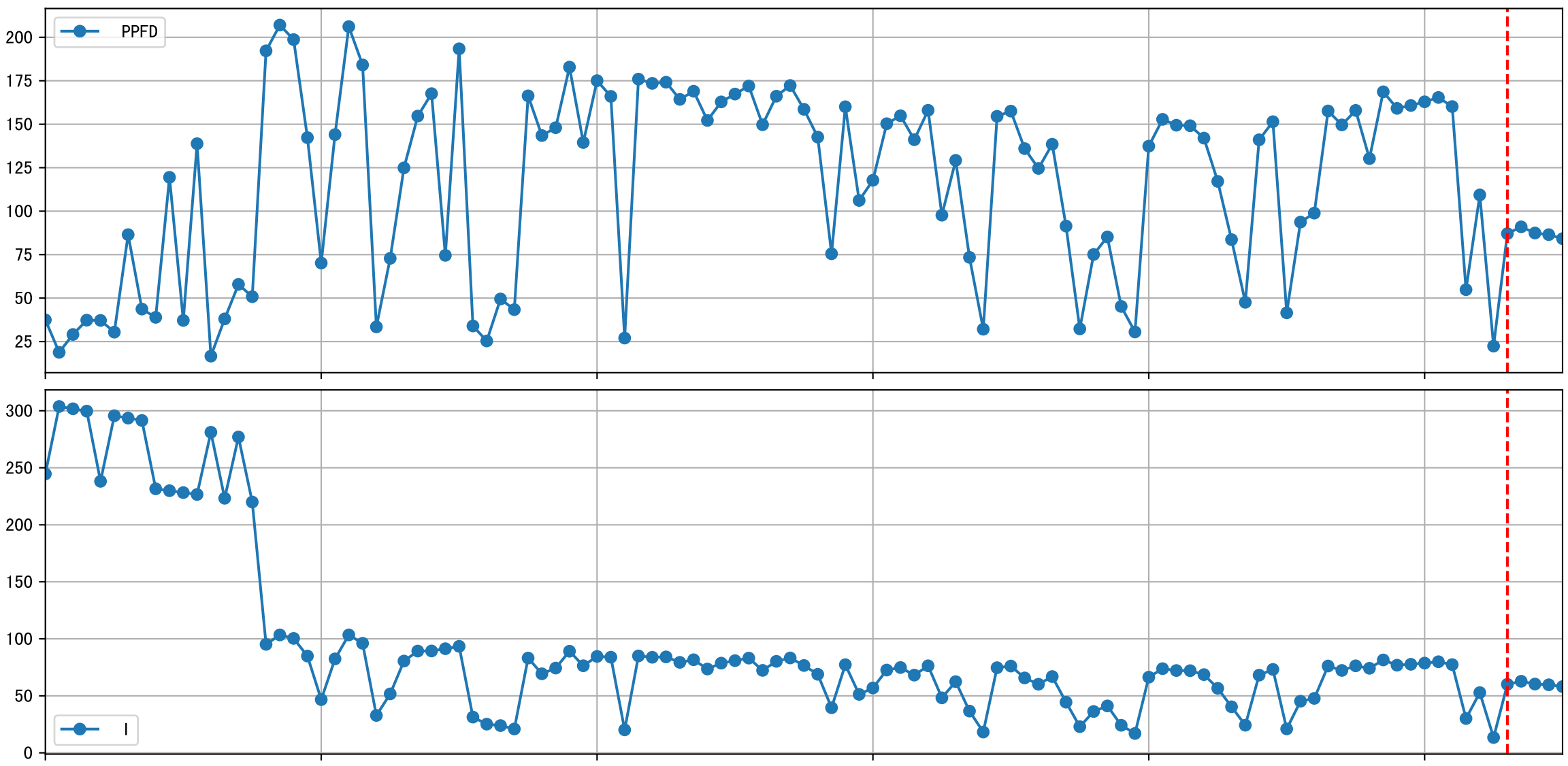

FgDaily
d
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
65.0
70.0
75.0
80.0
85.0
90.0
95.0
100.0
105.0
100
80
60
40
20
0
进液PH
EC执行
回液EC差
母液PH
回液PH差
进液EC
设置EC
回液EC
母液EC
回液PH
PH执行
液量比较
排灌比
设置PH
scTgtEC0
scSum

L1A1_1

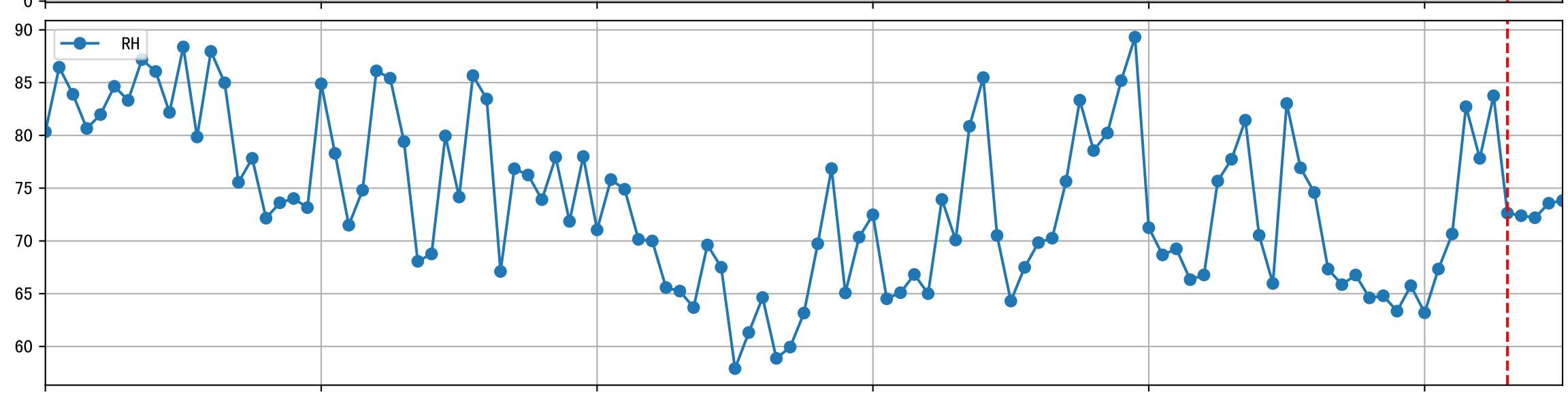

ETcl
ETbai
500
400
300
200
100
0

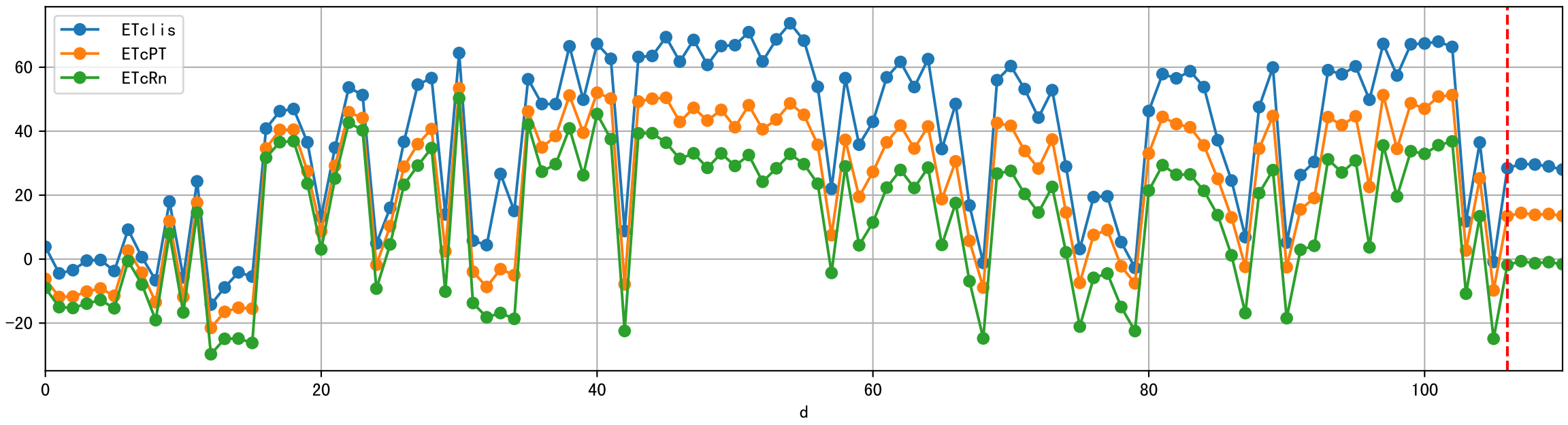

VN
100
80
60
40
20

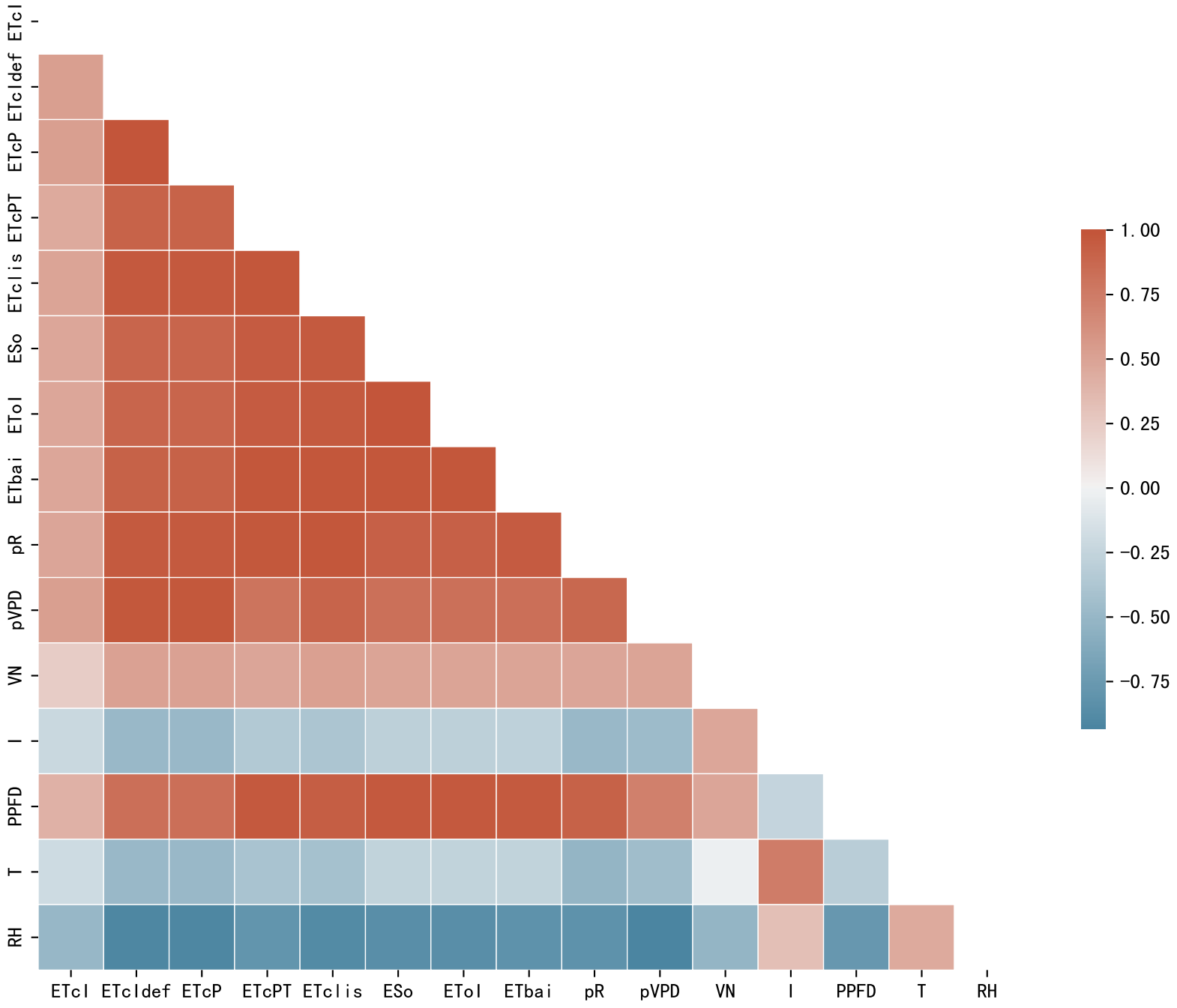

T
30
25
20
15
10

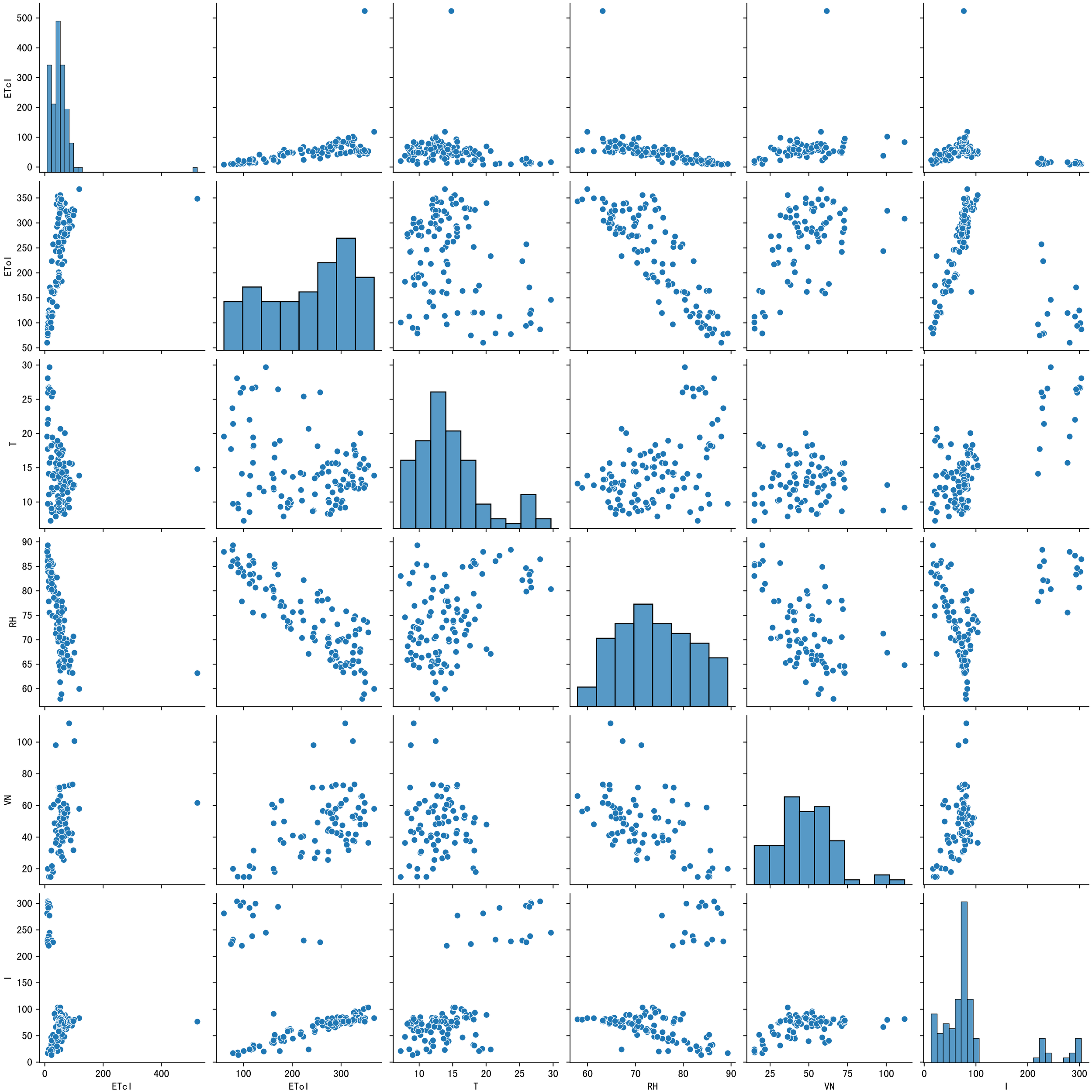

PPFD
200
175
150
125
100
75
50
25

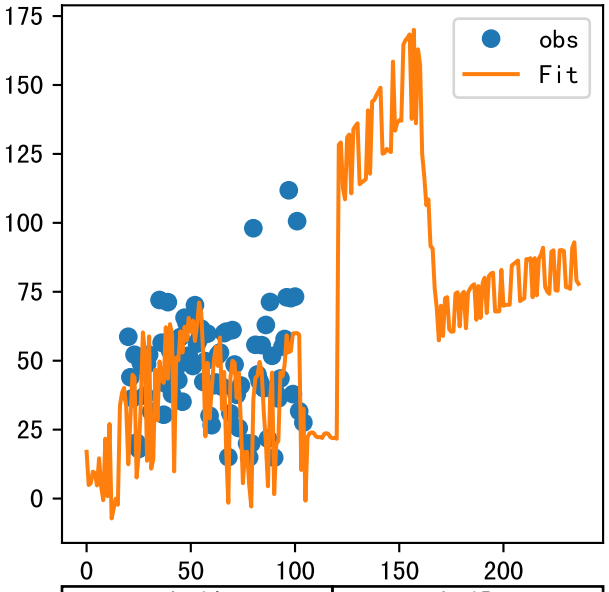
I
300
250
200
150
100
50
0

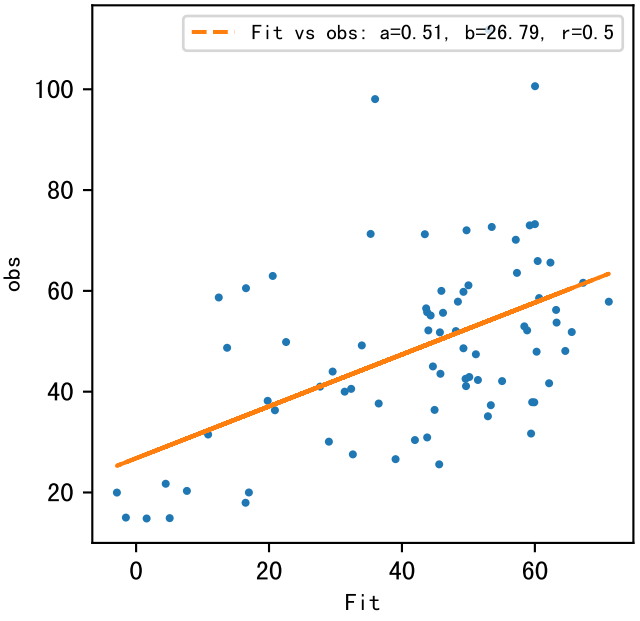

RH
90
85
80
75
70
65
60


ETclis
ETcPT
ETcRn
60
40
20
0
−20
0
20
40
60
80
100
d

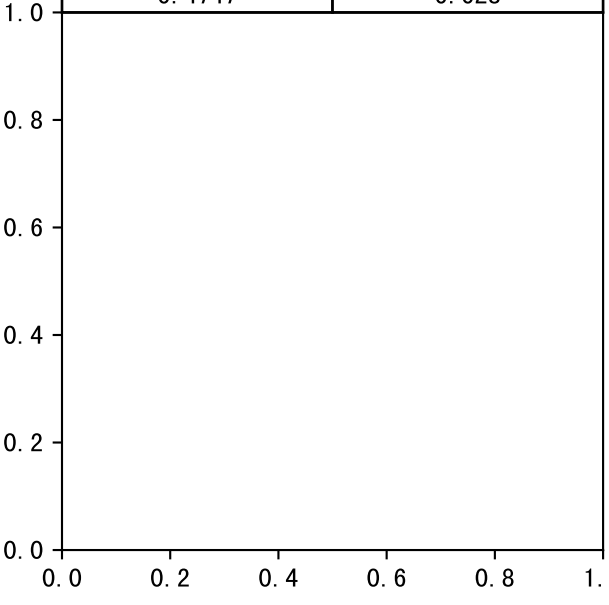

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

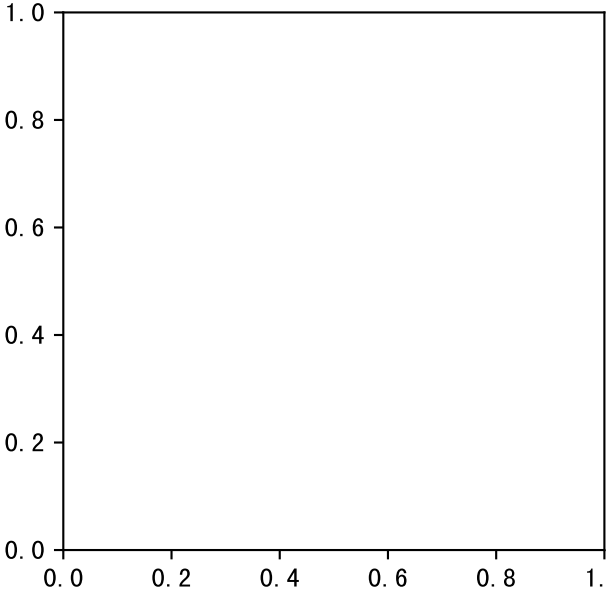

ETcI
ETdI
T
RH
VN
I
0
100
200
300
400
500
50
150
250
350
10
15
20
25
30
60
65
70
75
80
85
90
40
60
80
100
0
200
400
100
200
300
10
15
20
25
30
60
70
80
90
25
50
75
100
0
100
200
300

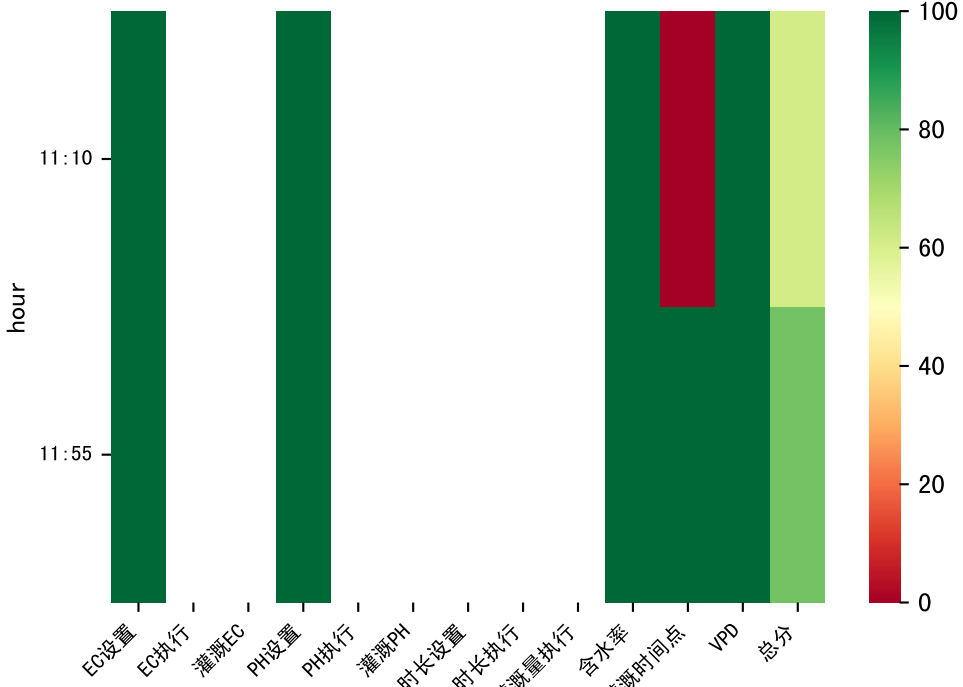




baiA	baiB
0.4747	0.028

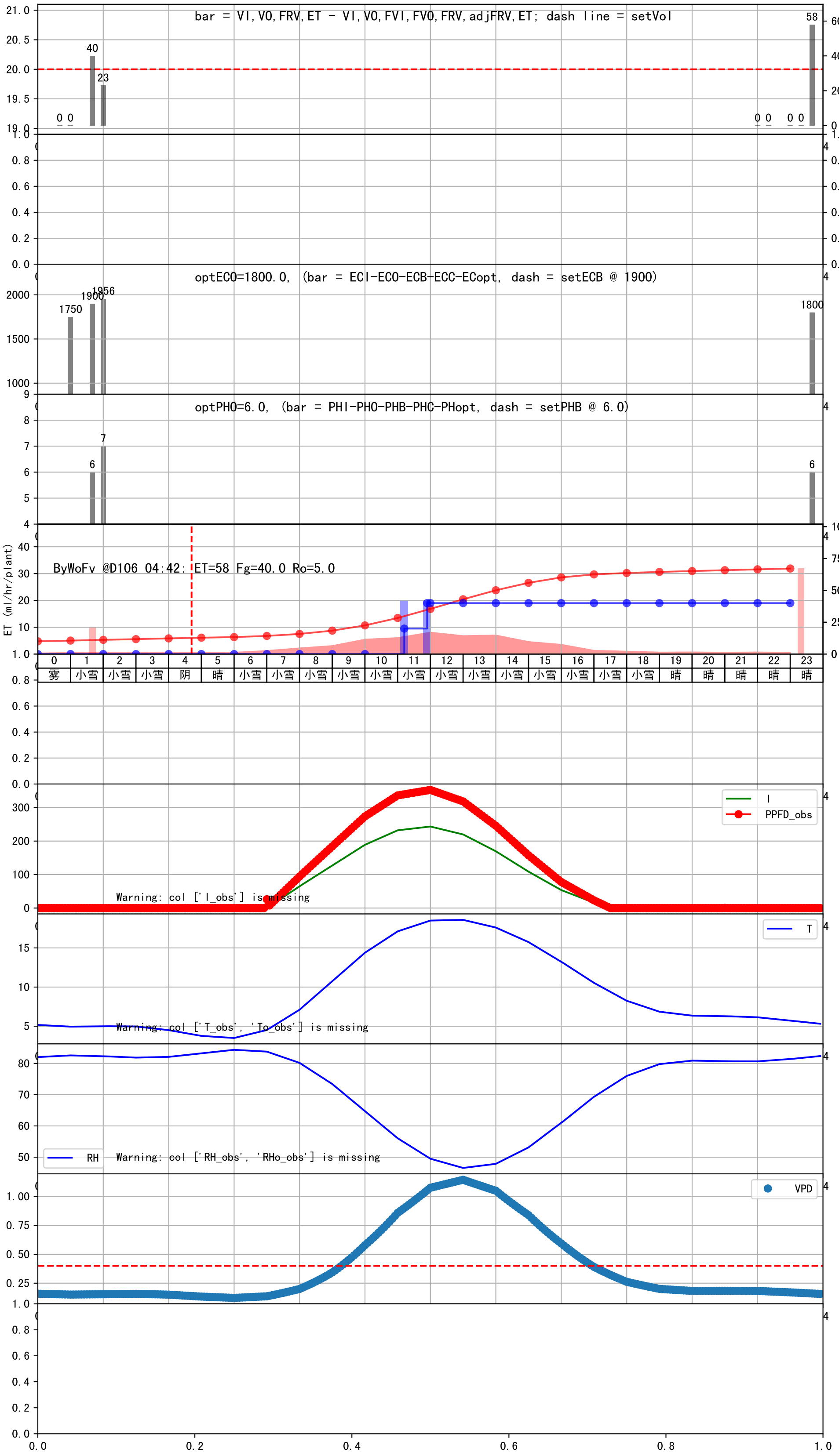


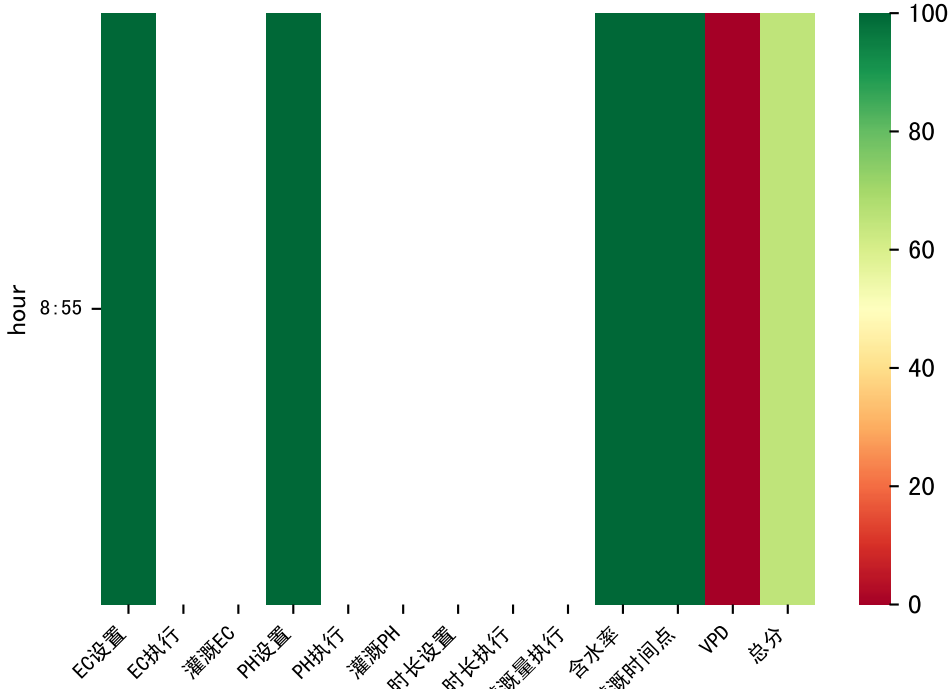



hour
11:10
11:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
11:10	36	20.0	0.081	小雪	预期@11:10 自主（未用传感器）
11:55	36	20.0	0.081	小雪	预期@11:55 自主（未用传感器）
总计	72.0 (2次)	40.0			建议进液EC：1900， PH：6.0

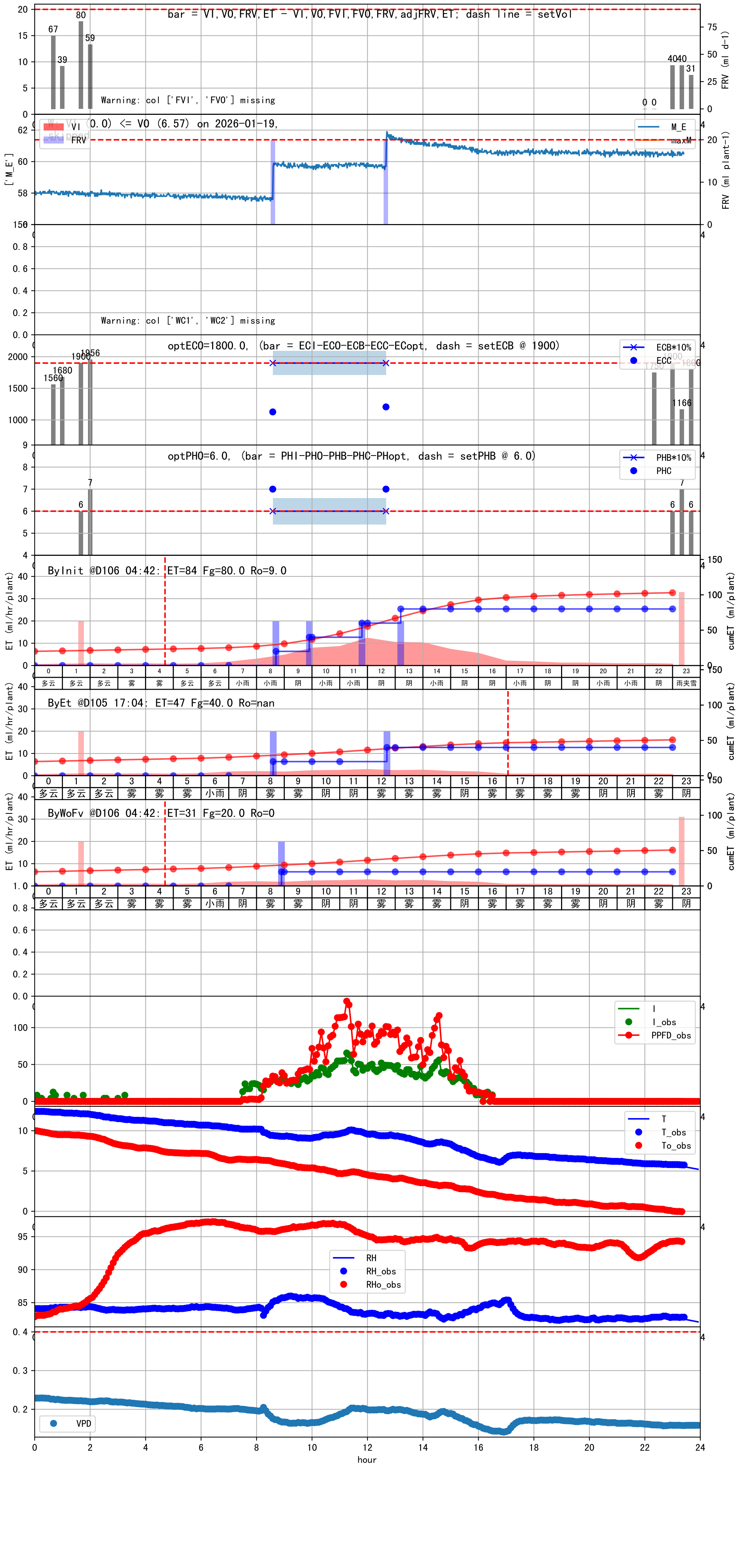
L1A1_1, Day=106 (2026-01-20)

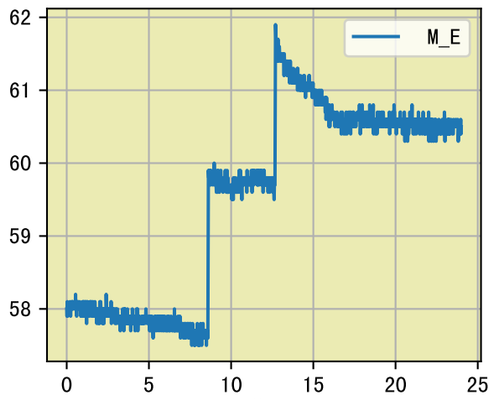


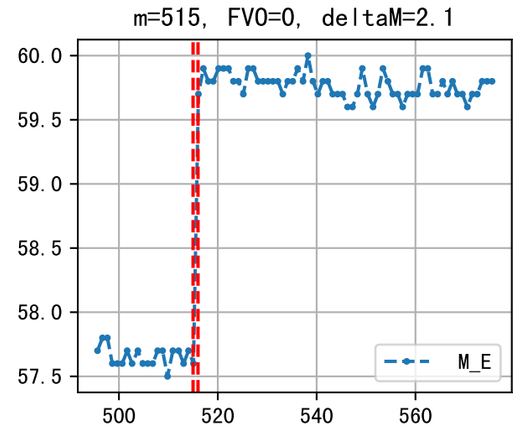

hour
8:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

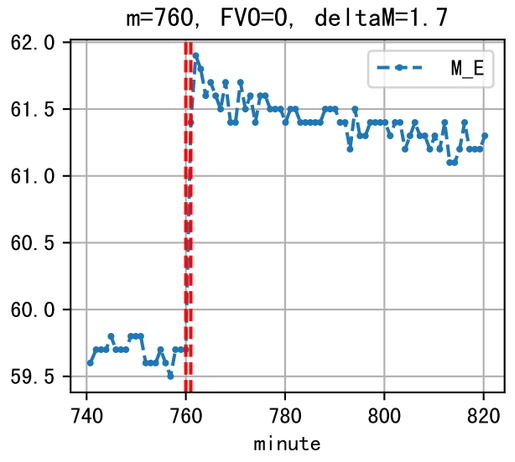
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:55	36	20.0	0.081	雾	假设@08:55 自动（未用传感器）
总计	36.0 (1次)	20.0			建议进液EC：1900， PH：6.0

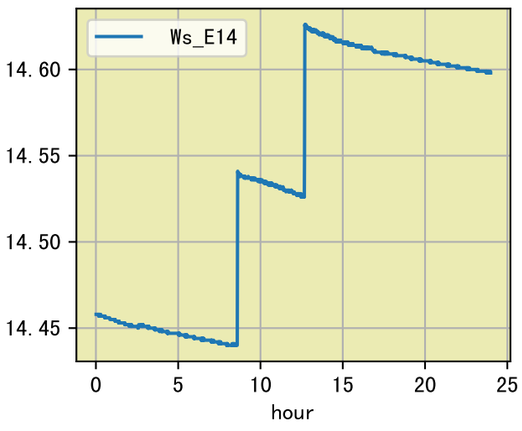
L1A1_1, Day=105 (2026-01-19)

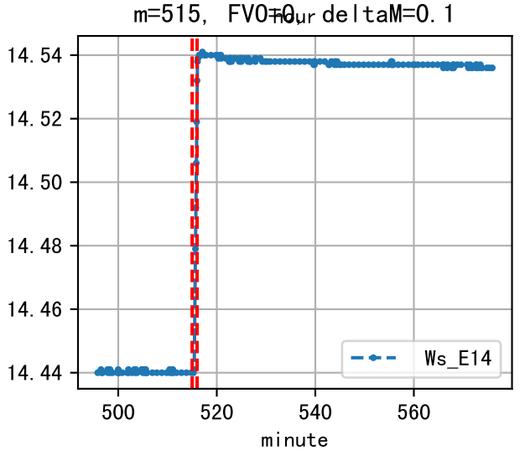


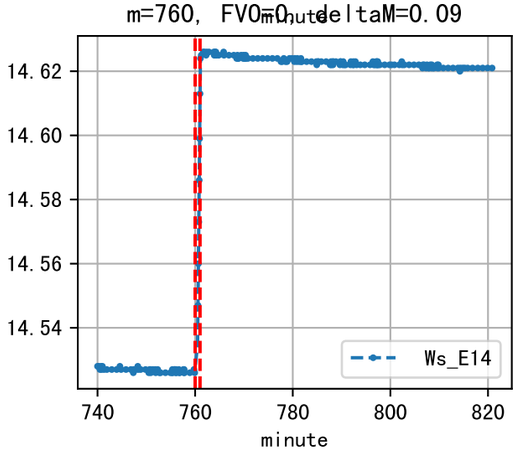

M_E
hour

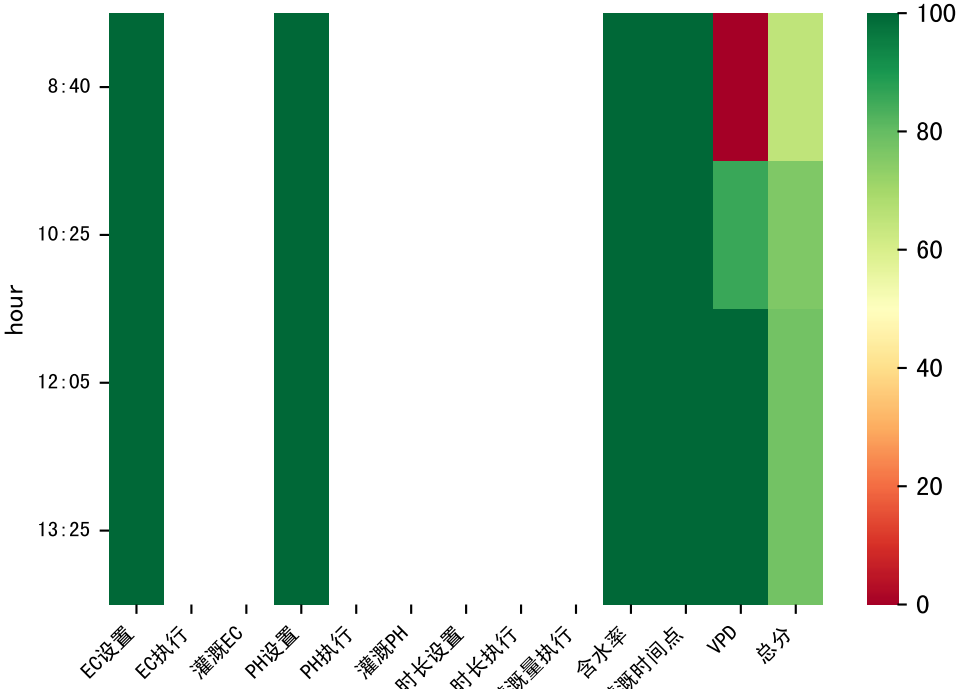

m=515, FV0=0, deltaM=2.1
M_E


m=760, FV0=0, deltaM=1.7
M_E
minute


Ws_E14
hour

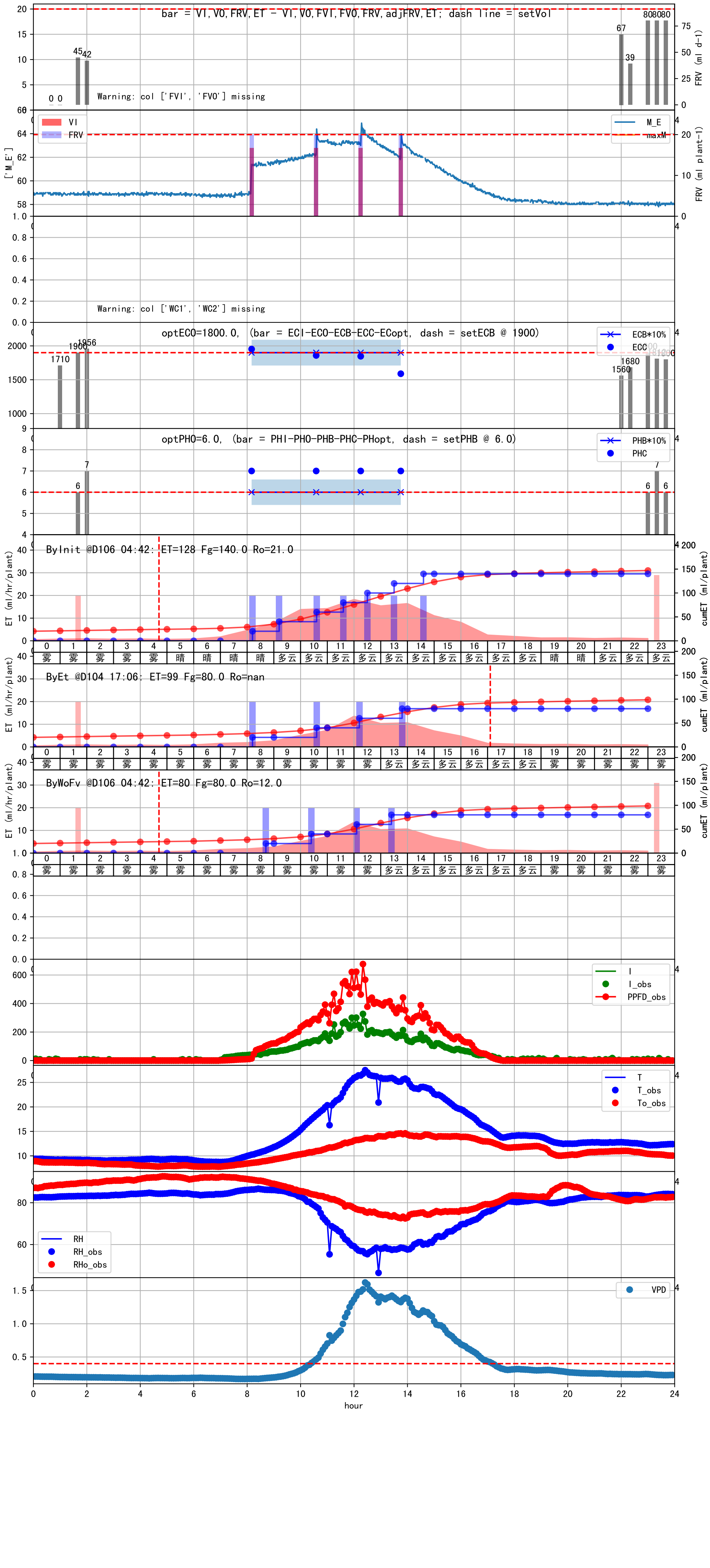

m=515, FV0=0, deltaM=0.1
Ws_E14
minute

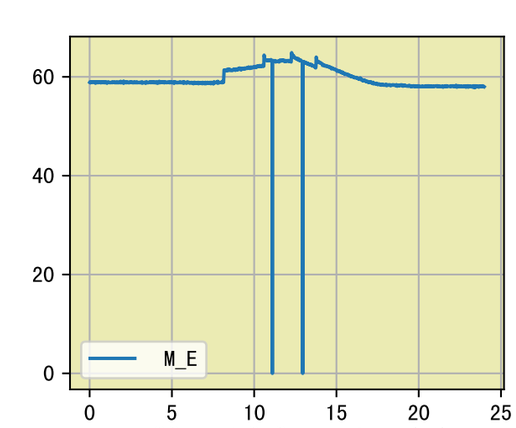

m=760, FV0=0, deltaM=0.09
Ws_E14
minute

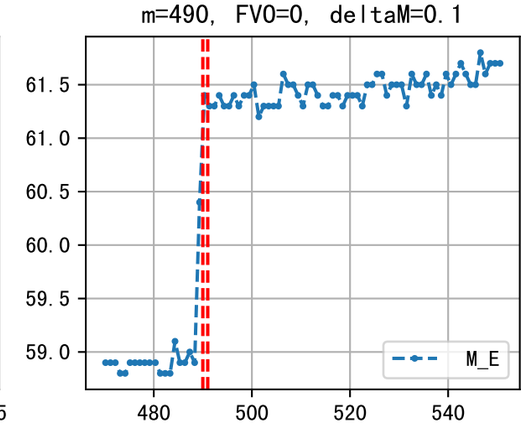

hour
8:40
10:25
12:05
13:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

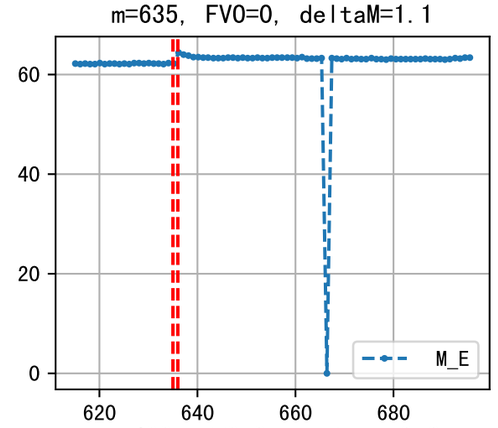
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:40	36	20.0	0.081	雾	假设@08:40 自动（未用传感器）
10:25	36	20.0	0.081	雾	假设@10:25 自动（未用传感器）
12:05	36	20.0	0.081	雾	假设@12:05 自动（未用传感器）
13:25	36	20.0	0.081	多云	假设@13:25 自动（未用传感器）
总计	144.0 (4次)	80.0			建议进液EC：1900， PH：6.0

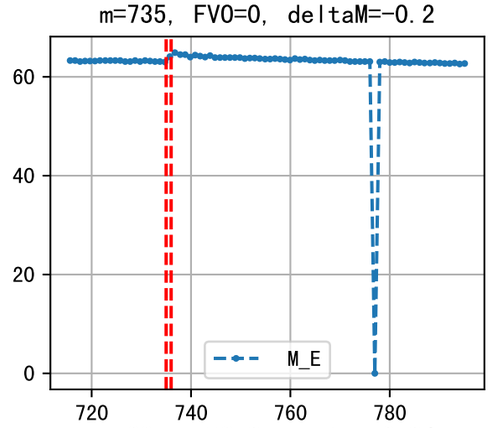
L1A1_1, Day=104 (2026-01-18)

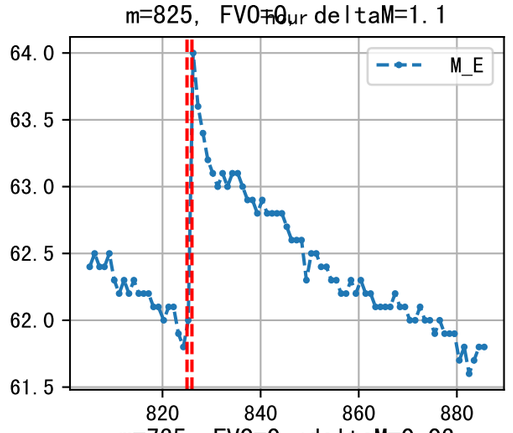


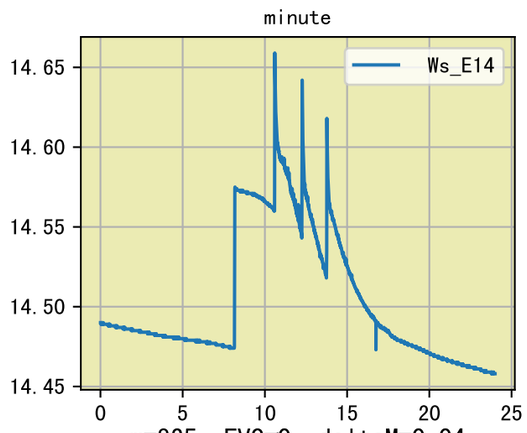

M_E
hour

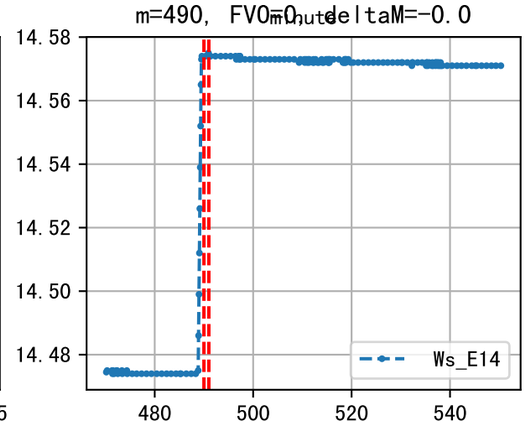

m=490, FV0=0, deltaM=0.1
M_E
minute

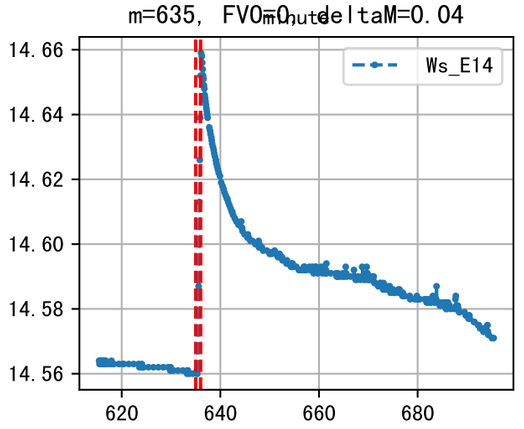

m=635, FV0=0, deltaM=1.1
M_E

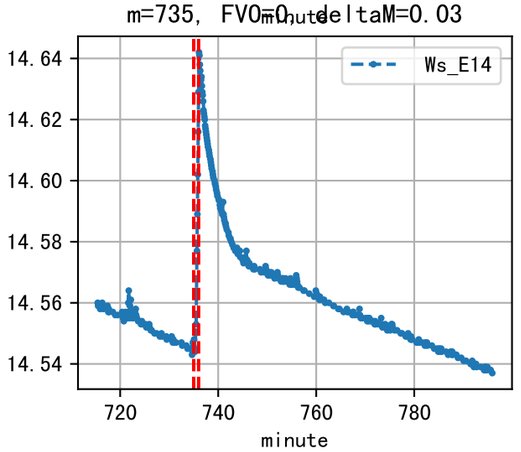

m=735, FV0=0, deltaM=-0.2
M_E

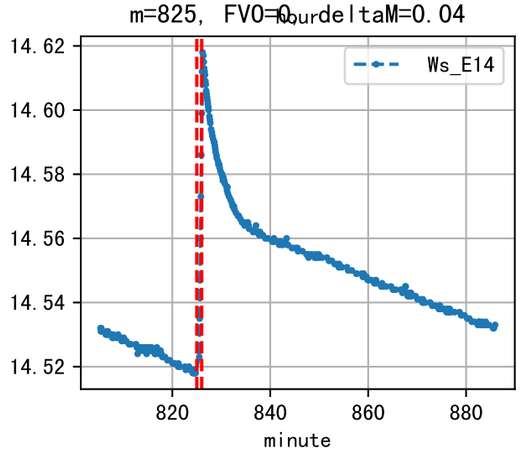

m=825, FV0=0, deltaM=1.1
M_E
minute

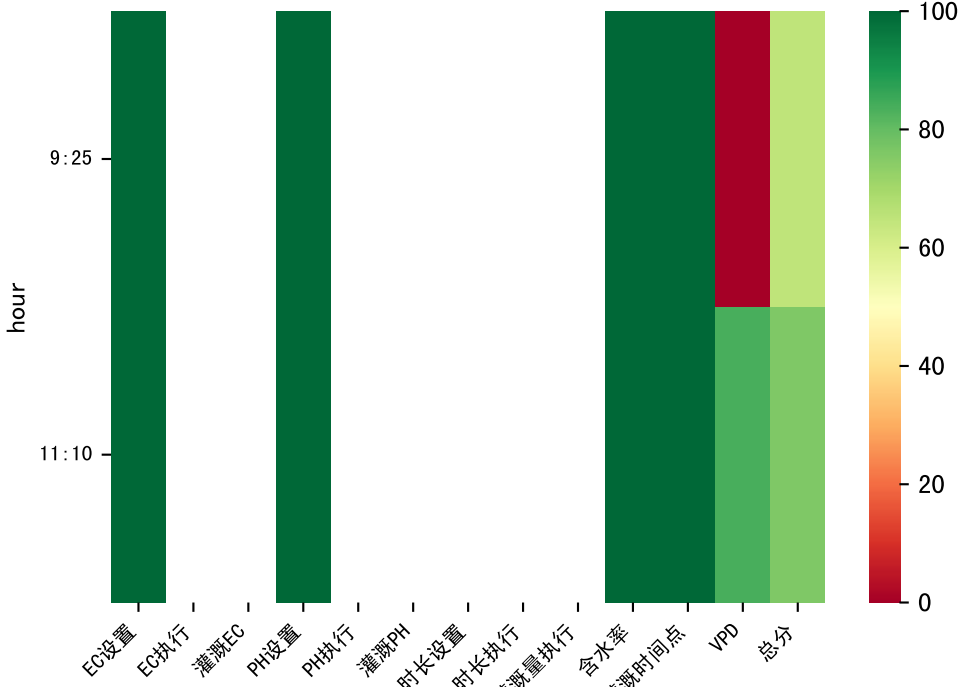

Ws_E14
hour


m=490, FV0=0, deltaM=-0.0
Ws_E14
minute


m=635, FV0=0, deltaM=0.04
Ws_E14
minute


m=735, FV0=0, deltaM=0.03
Ws_E14
minute

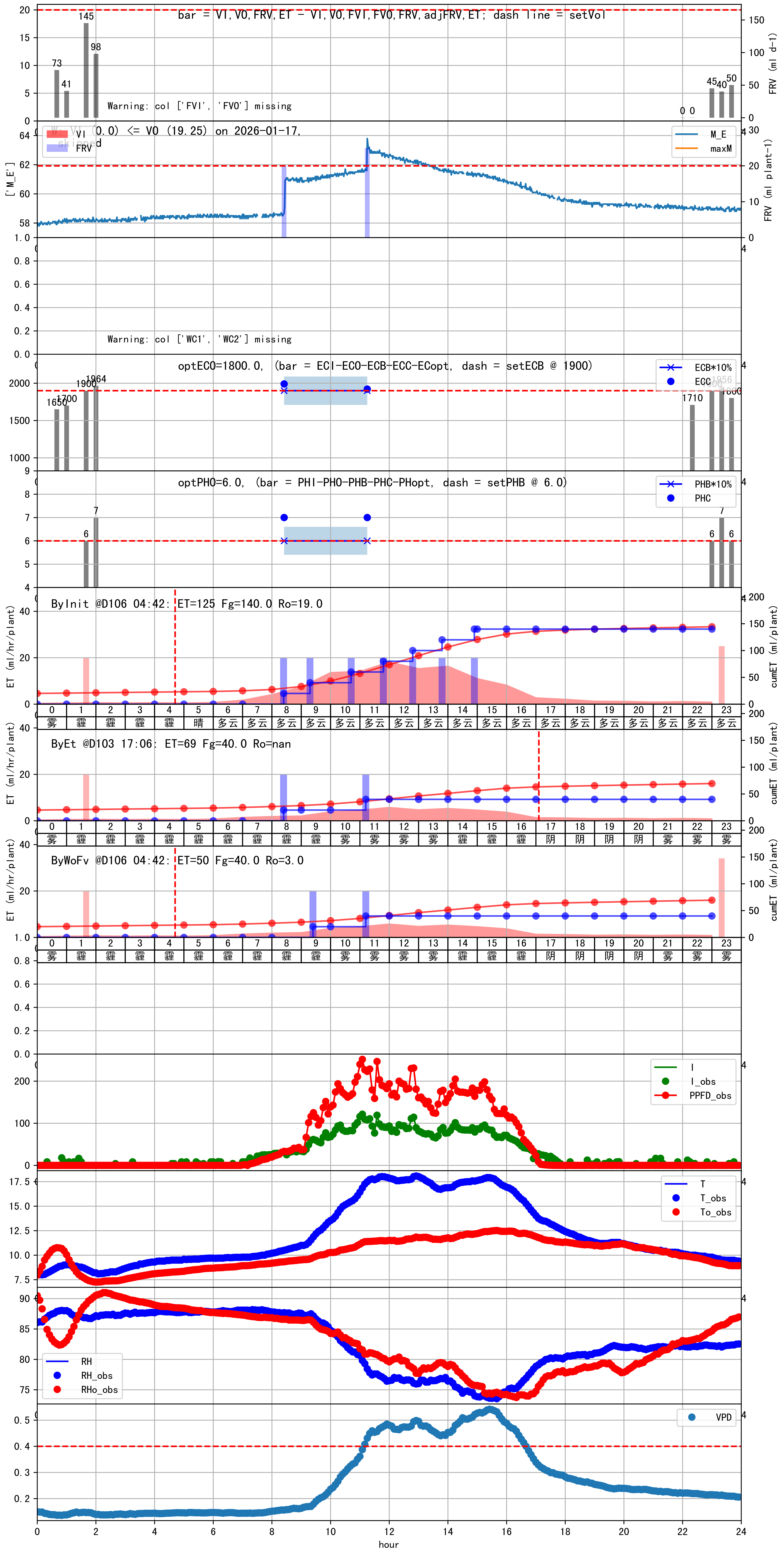

m=825, FV0=0, deltaM=0.04
Ws_E14
minute

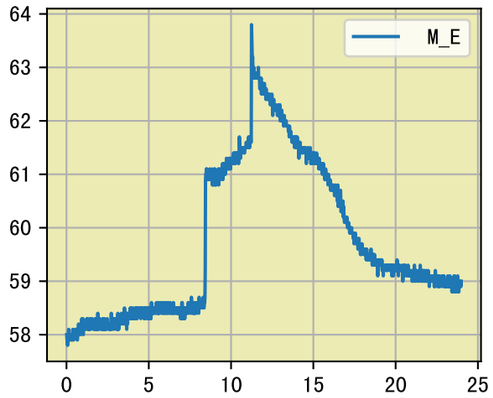

hour
9:25
11:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

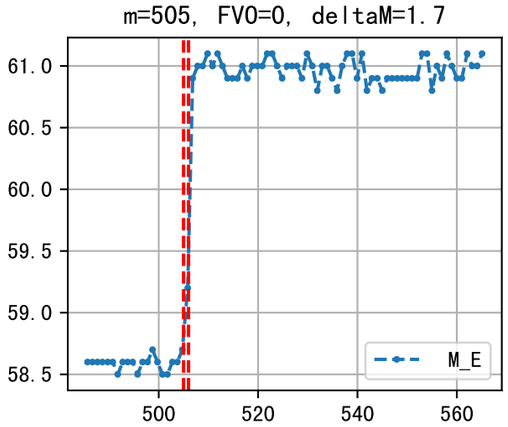
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	36	20.0	0.081	霾	假设@09:25 自动（未用传感器）
11:10	36	20.0	0.081	雾	假设@11:10 自动（未用传感器）
总计	72.0 (2次)	40.0			建议进液EC：1900， PH：6.0

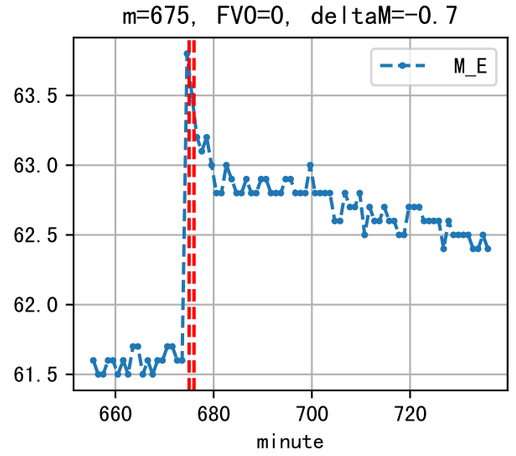
上次灌溉流速比平时大 (0.68 vs 0.57))，可能有多阀同灌或管道漏水
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

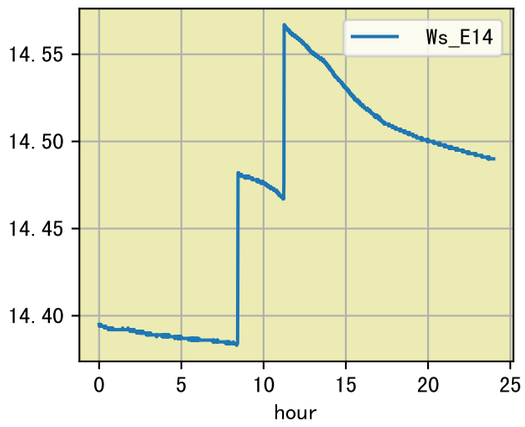
L1A1_1, Day=103 (2026-01-17)

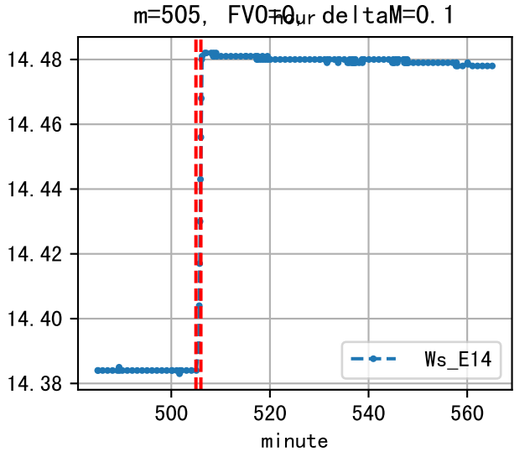


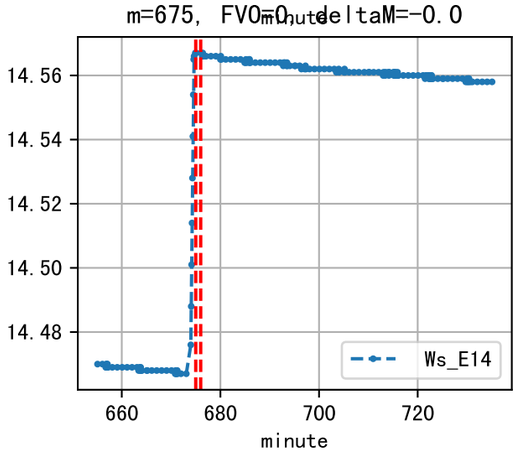

M_E

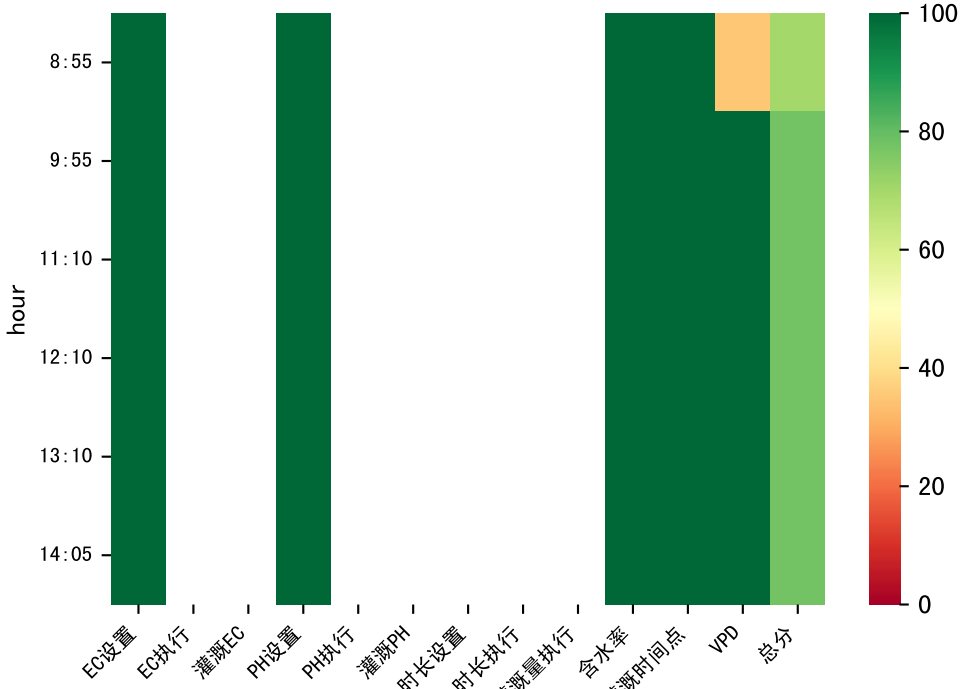

m=505, FVO=0, deltaM=1.7
M_E


m=675, FVO=0, deltaM=-0.7
M_E
minute


Ws_E14
hour

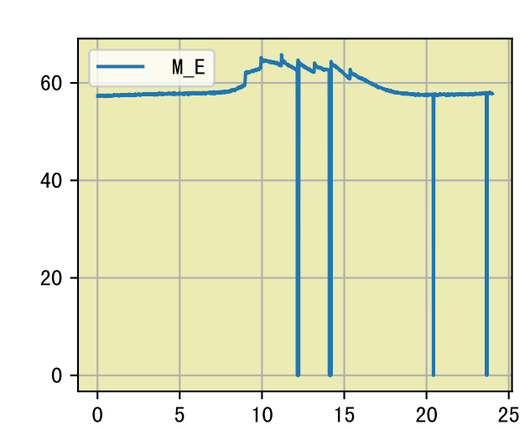

m=505, FVO=0, deltaM=0.1
Ws_E14
minute

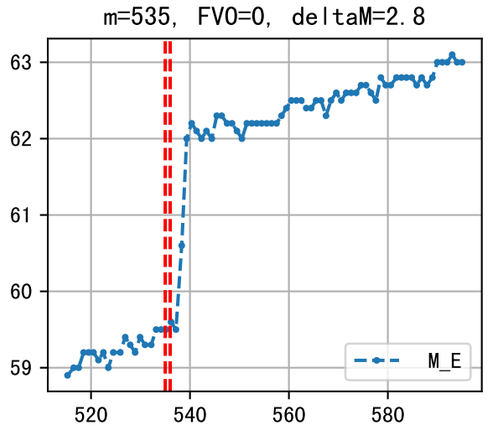

m=675, FVO=0, deltaM=-0.0
Ws_E14
minute

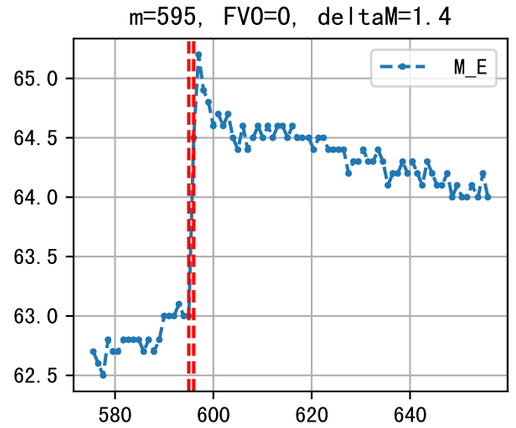

hour
8:55
9:55
11:10
12:10
13:10
14:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

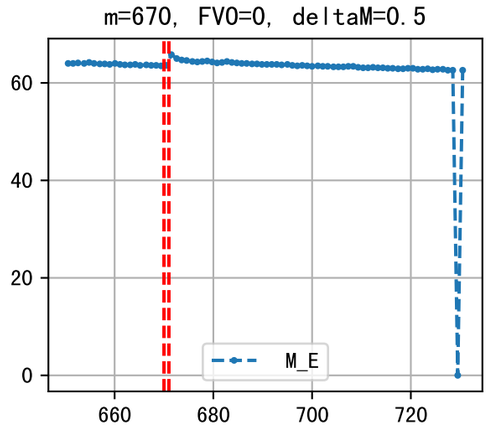
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:55	36	20.0	0.081	雾	假设@08:55 自动（未用传感器）
09:55	36	20.0	0.081	雾	假设@09:55 自动（未用传感器）
11:10	36	20.0	0.081	霾	假设@11:10 自动（未用传感器）
12:10	36	20.0	0.081	霾	假设@12:10 自动（未用传感器）
13:10	36	20.0	0.081	霾	假设@13:10 自动（未用传感器）
14:05	36	20.0	0.081	晴	假设@14:05 自动（未用传感器）
总计	216.0 (6次)	120.0			建议进液EC：1900， PH：6.0

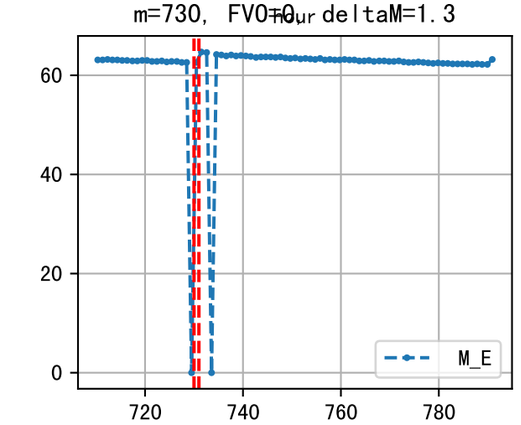
L1A1_1, Day=102 (2026-01-16)

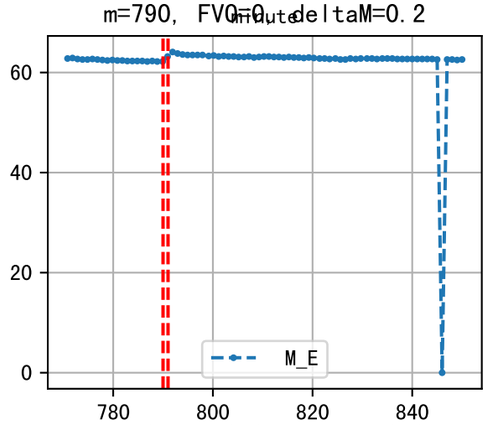

M_E

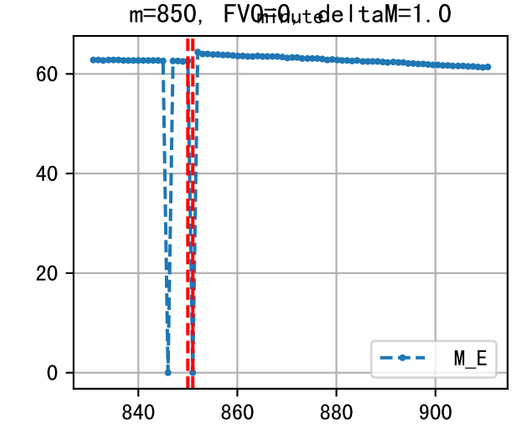

m=535, FVO=0, deltaM=2.8
M_E

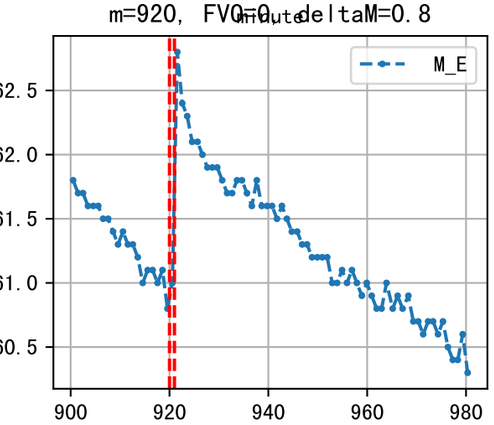

m=595, FVO=0, deltaM=1.4
M_E

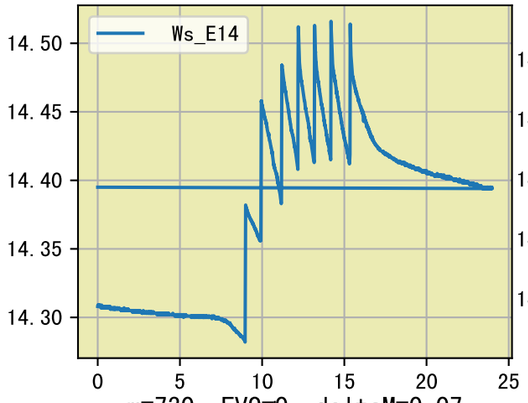

m=670, FVO=0, deltaM=0.5
M_E

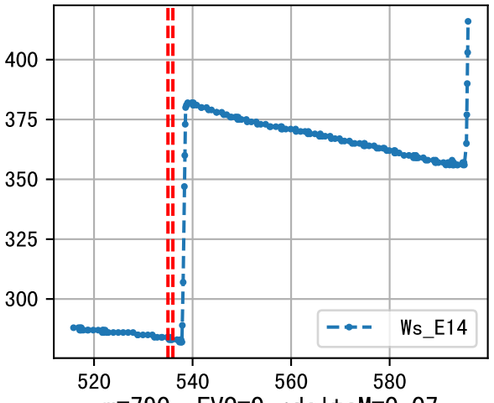

m=730, FVO=0, deltaM=1.3
M_E
minute

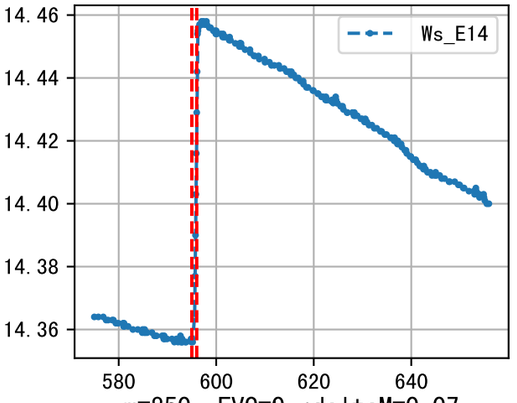

m=790, FVO=0, deltaM=0.2
M_E

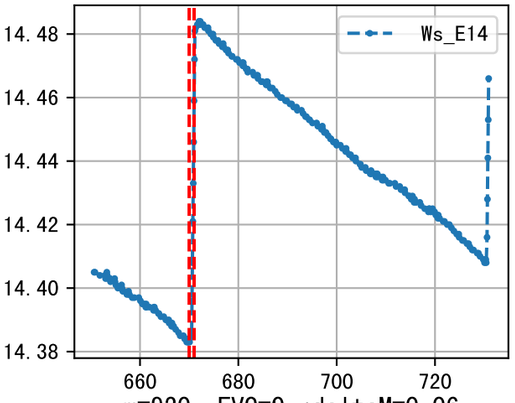

m=850, FVO=0, deltaM=1.0
M_E

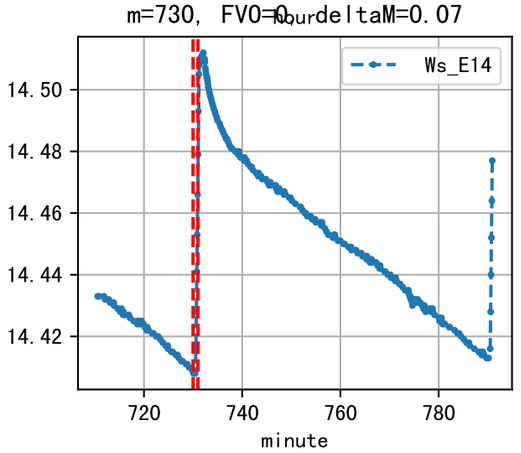

m=920, FVO=0, deltaM=0.8
M_E

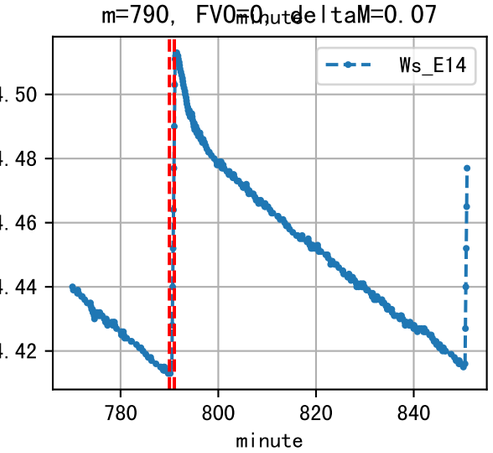

Ws_E14

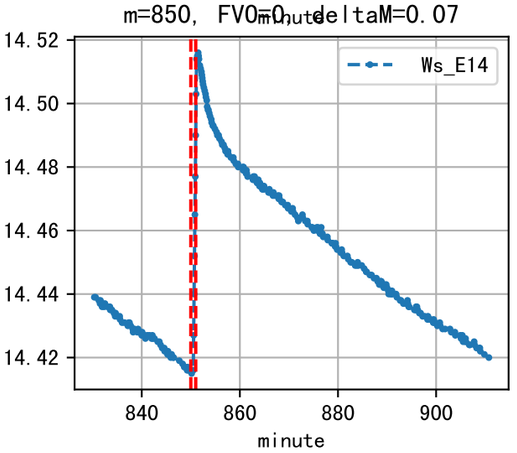

Ws_E14

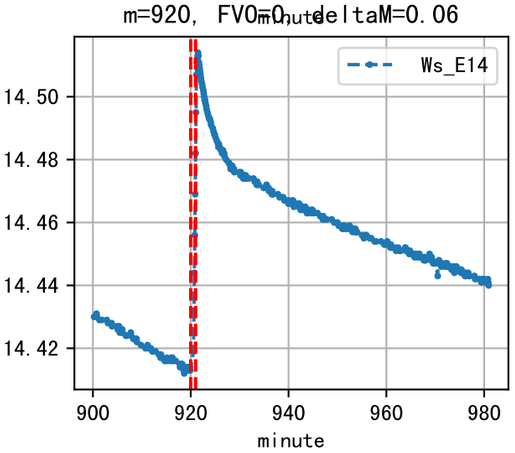

Ws_E14


Ws_E14


m=730, FVO=0, deltaM=0.07
Ws_E14
minute


m=790, FVO=0, deltaM=0.07
Ws_E14
minute


m=850, FVO=0, deltaM=0.07
Ws_E14
minute


m=920, FVO=0, deltaM=0.06
Ws_E14
minute