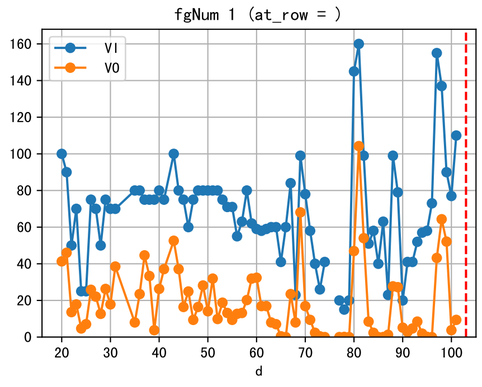
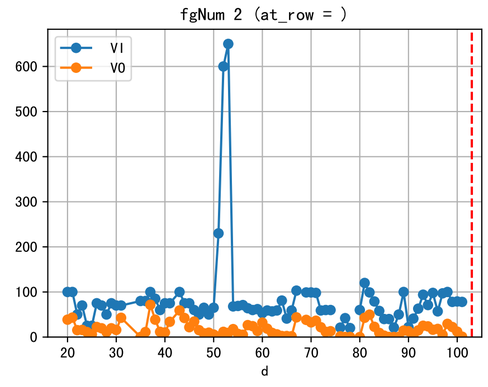
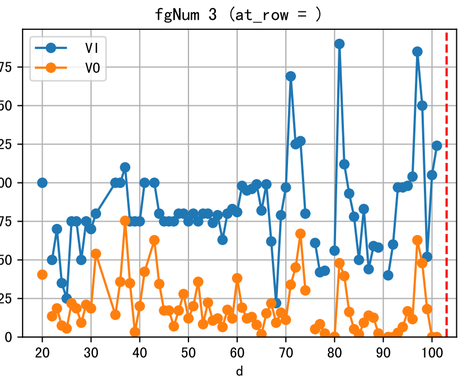
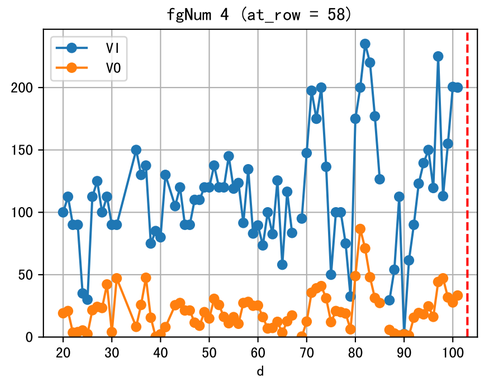
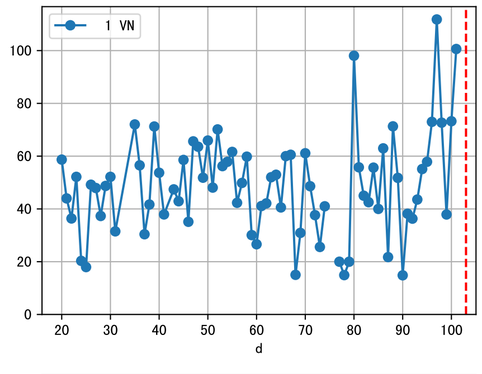
FgArea: ['4']
NJ15 L1
2026-01-17 (Day 103)

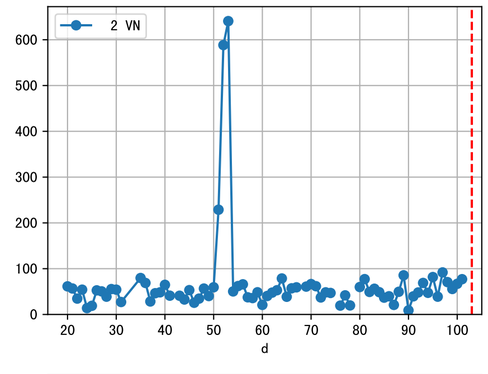

fgNum 1 (at_row =)
VI
VO
d

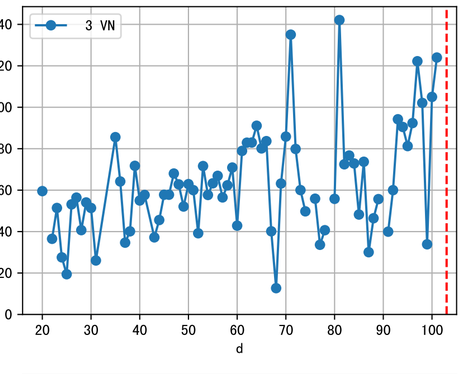

fgNum 2 (at_row =)
VI
VO
d

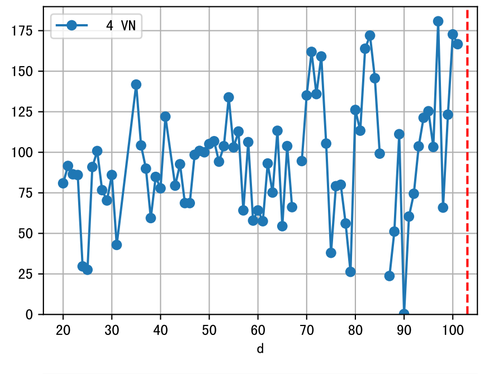

fgNum 3 (at_row =)
VI
VO
d

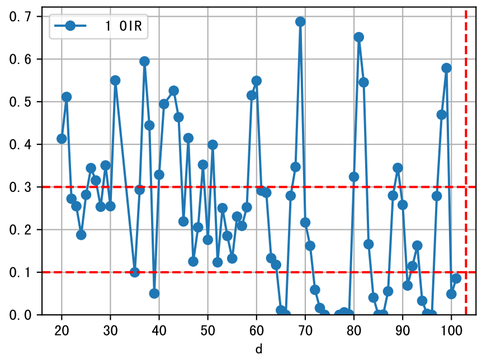

fgNum 4 (at_row = 58)
VI
VO
d

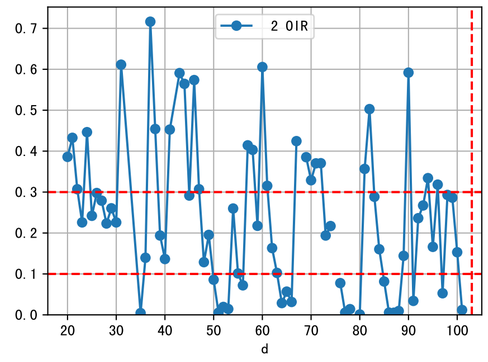

1 VN
d

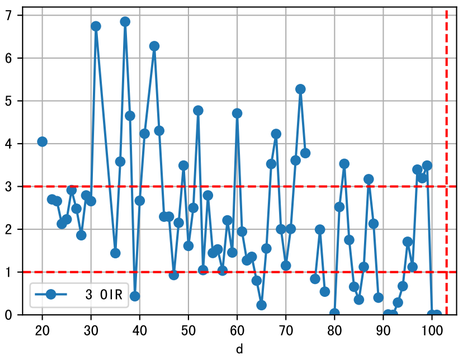

2 VN
d

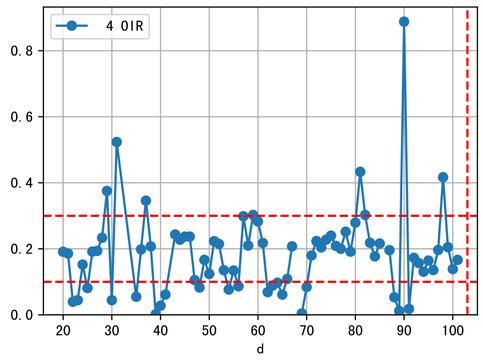

3 VN
d

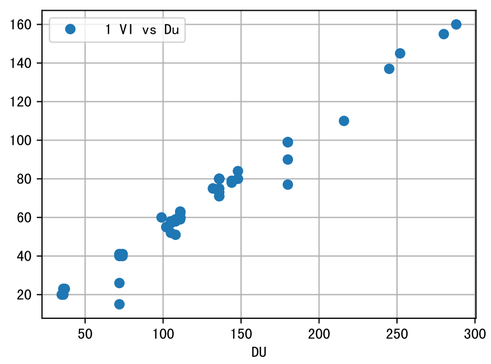

4 VN
d

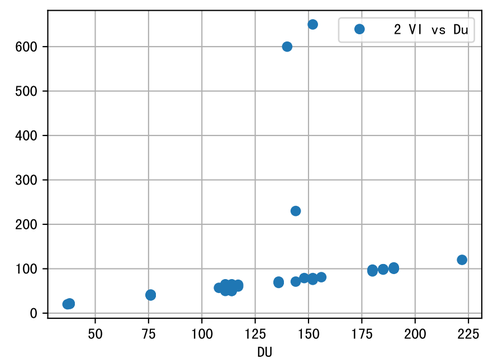

1 OIR
d

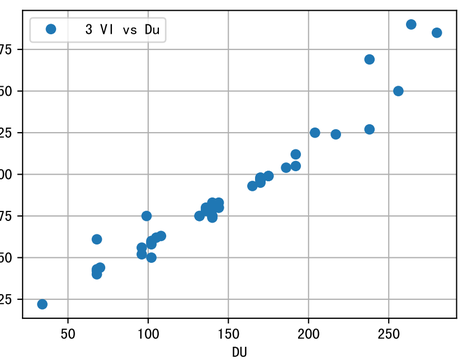

2 OIR
d

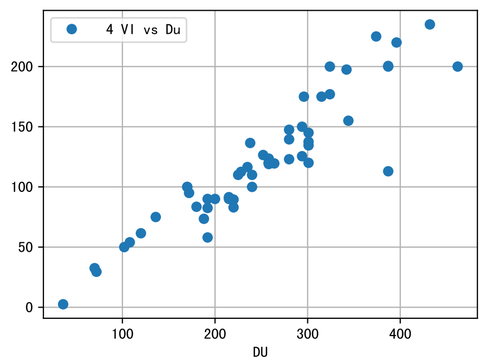

3 OIR
d

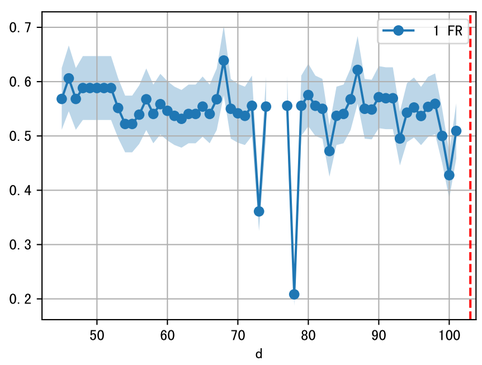

4 OIR
d

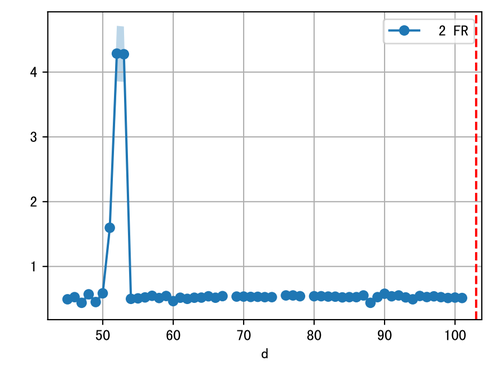

1 VI vs Du
DU

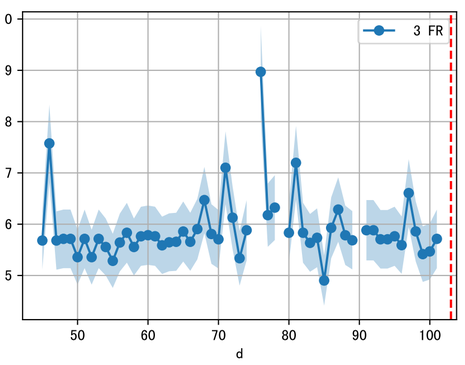

2 VI vs Du
DU

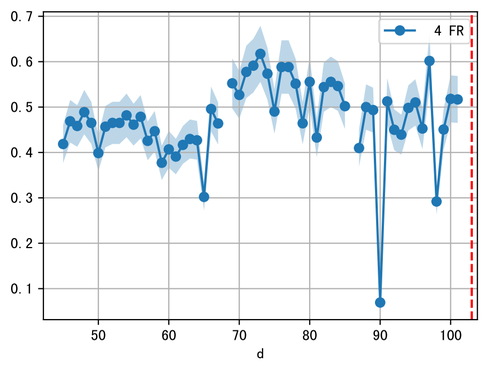

3 VI vs Du
DU

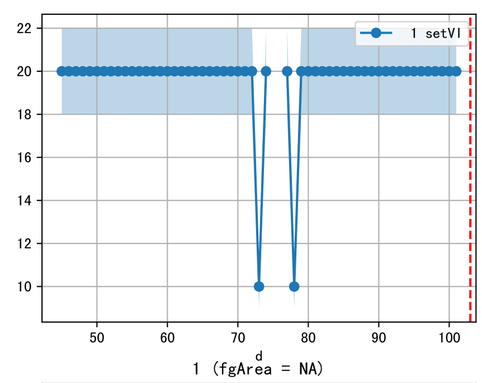

4 VI vs Du
DU

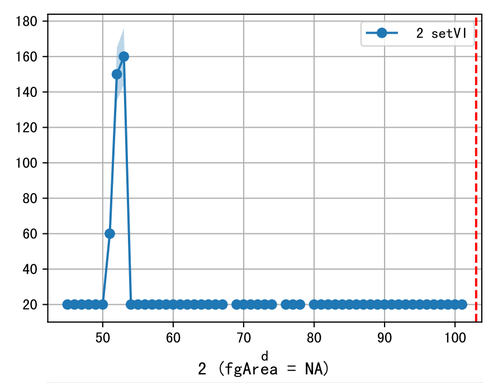

1 FR
d

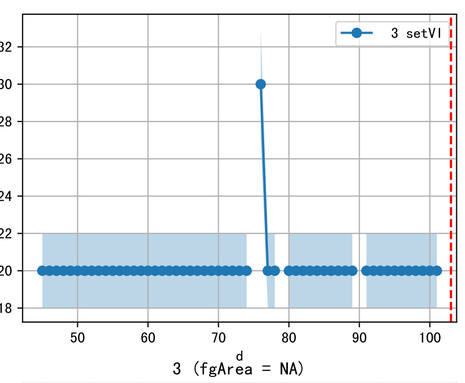

2 FR
d

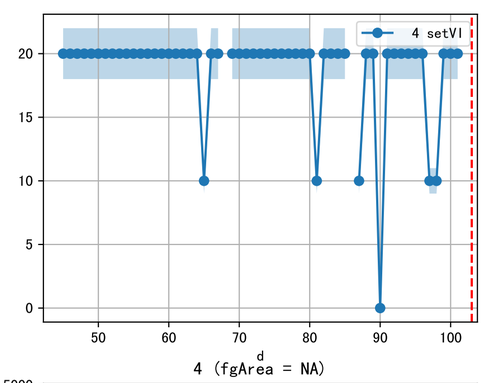

3 FR
d

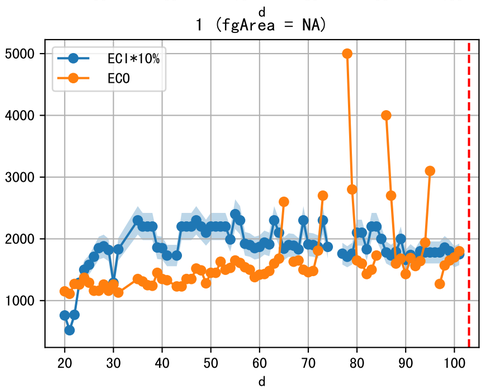

4 FR
d

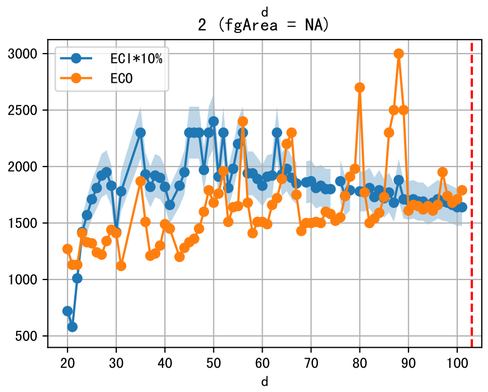

1 setVI
d

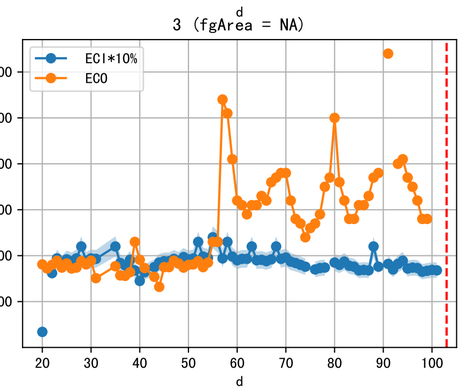

2 setVI
d

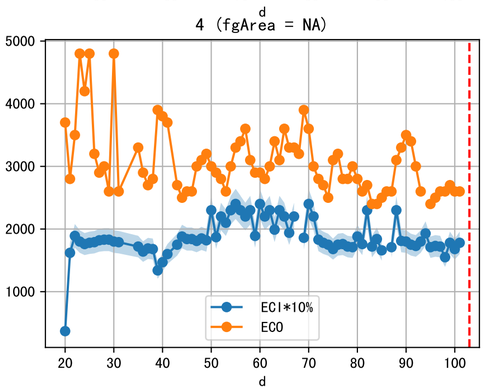

3 setVI
d

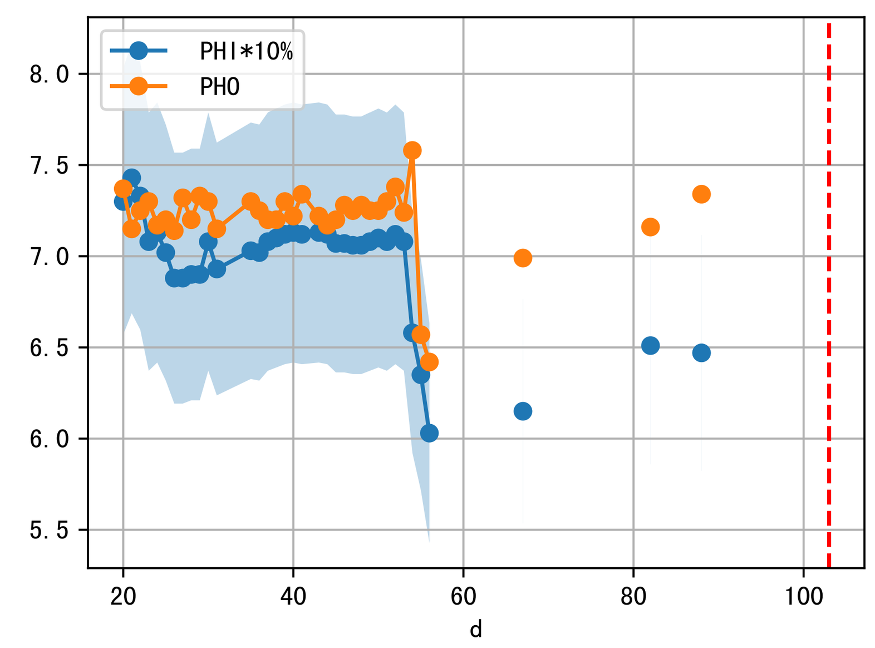
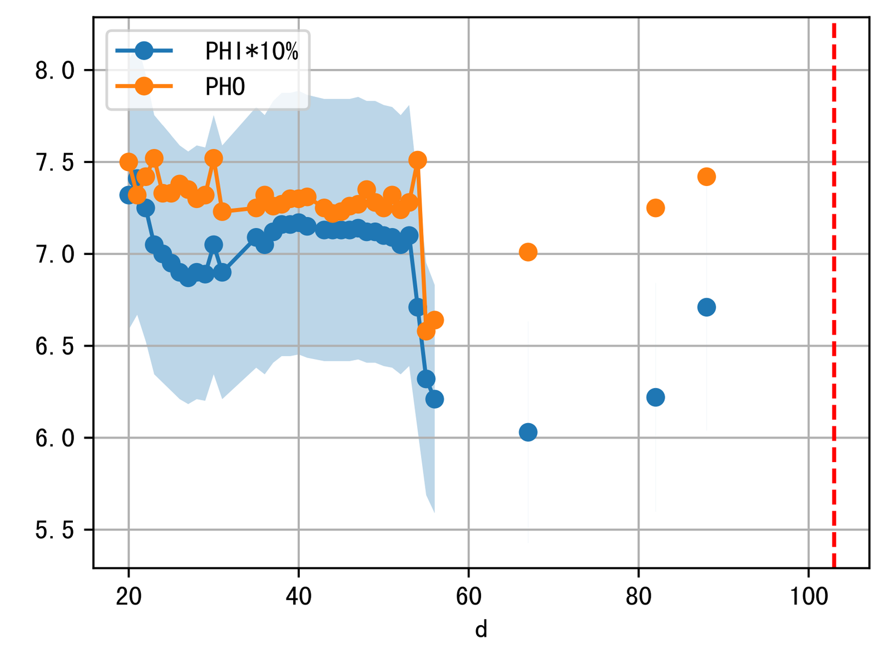
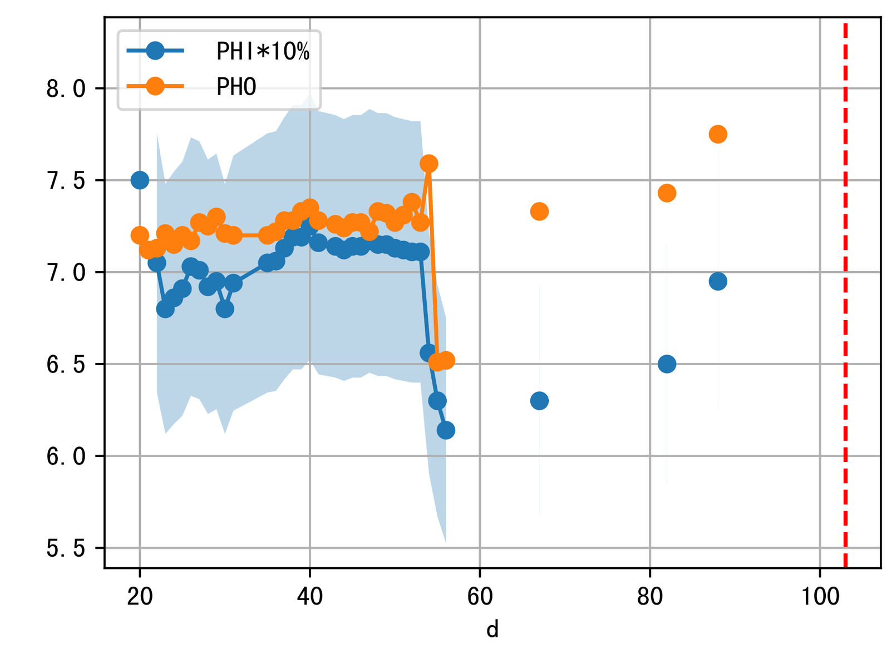
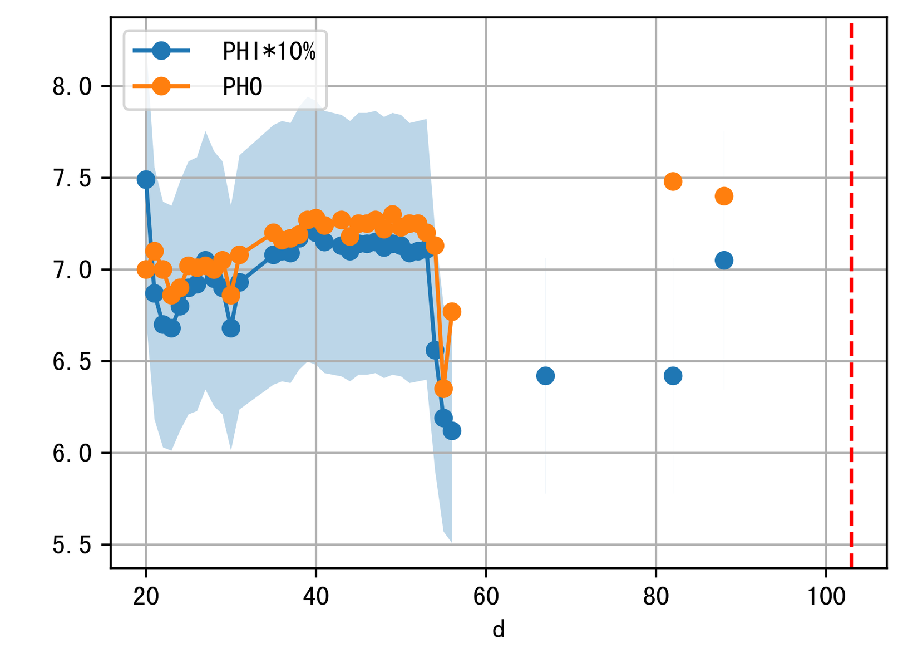

4 setVI
d

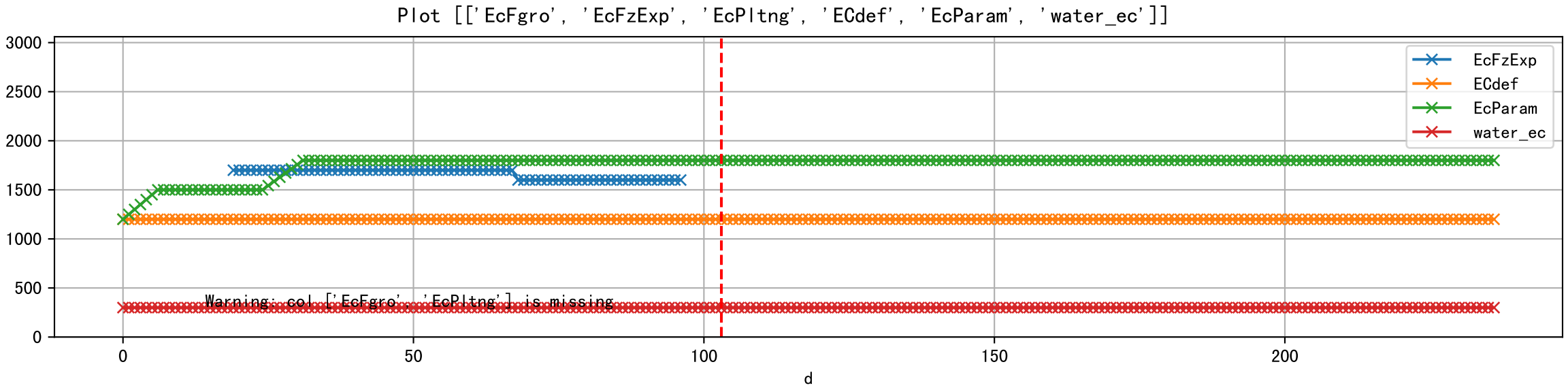

1 (fgArea = NA)
ECI*10%
ECO
d

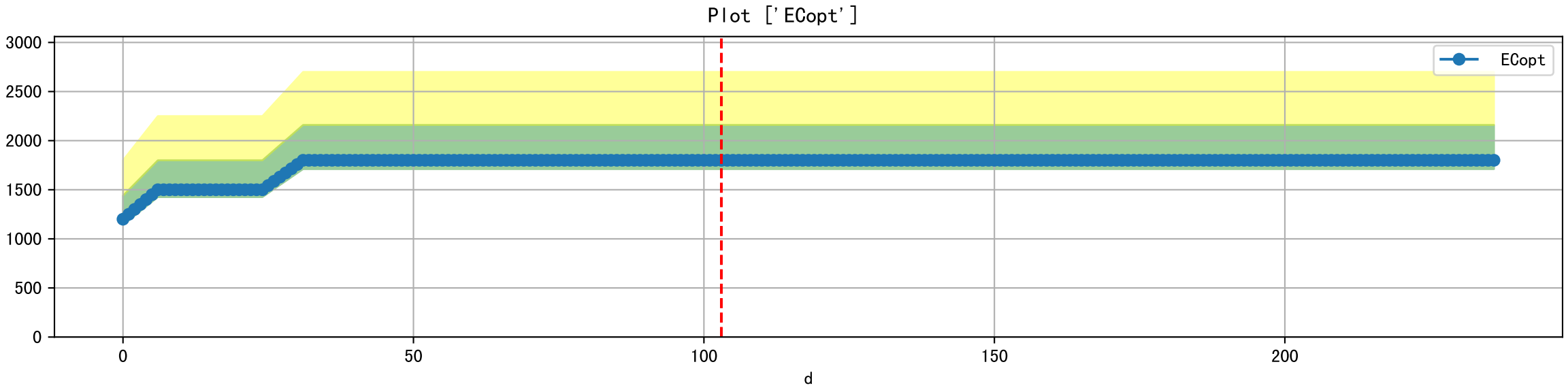

2 (fgArea = NA)
ECI*10%
ECO
d

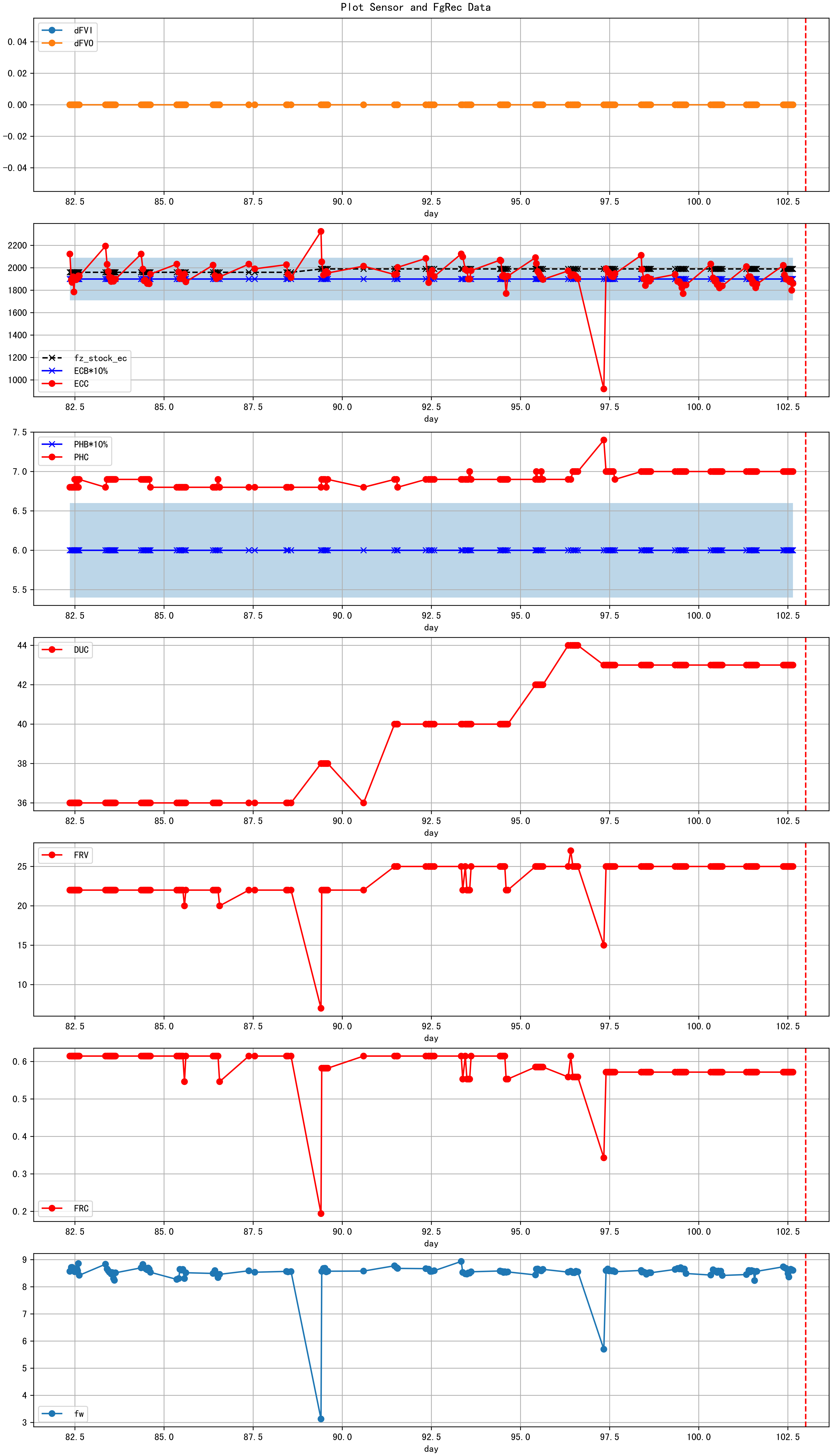

3 (fgArea = NA)
ECI*10%
ECO
d

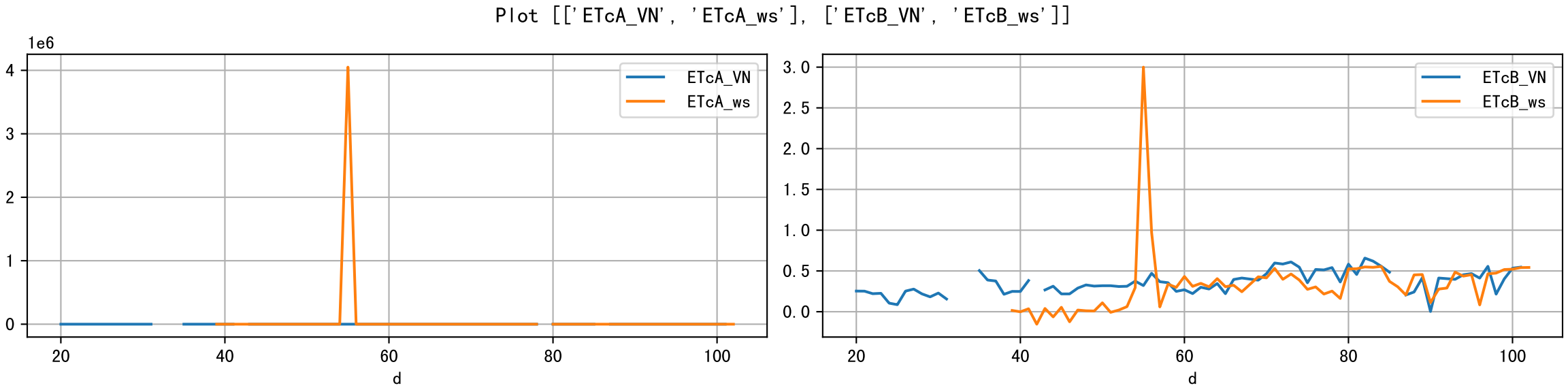

4 (fgArea = NA)
ECI*10%
ECO
d

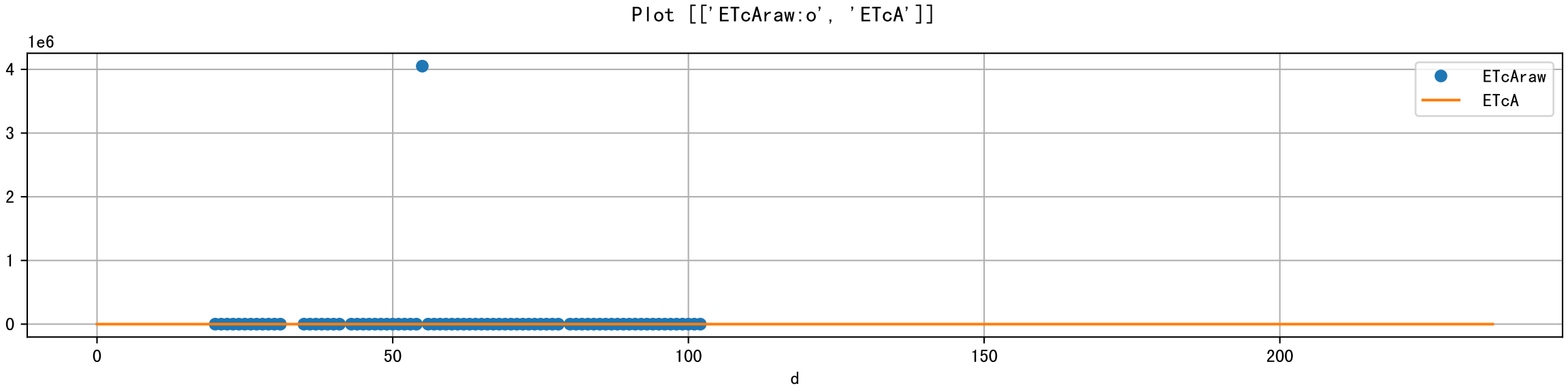

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

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

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

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

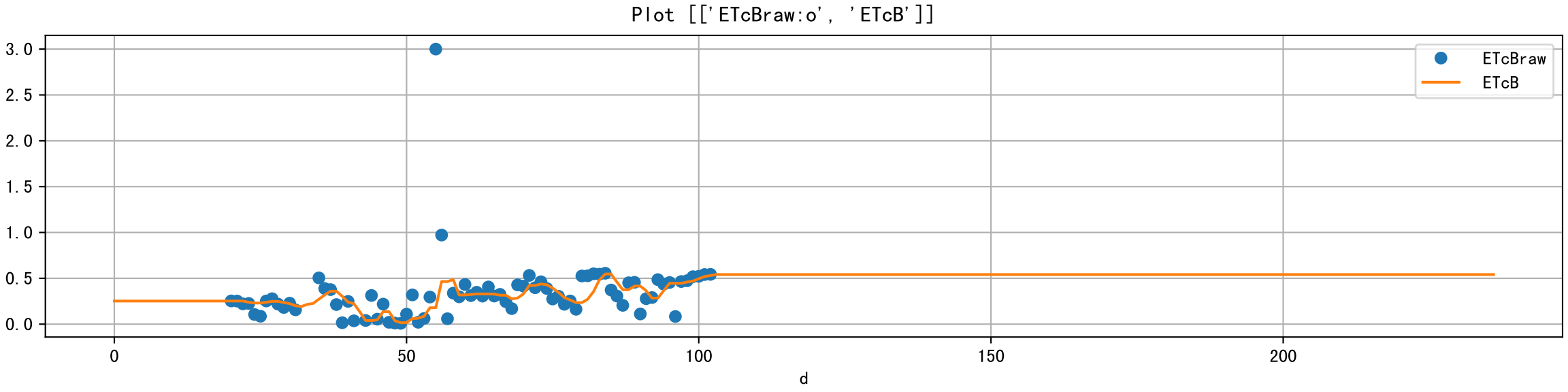

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


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

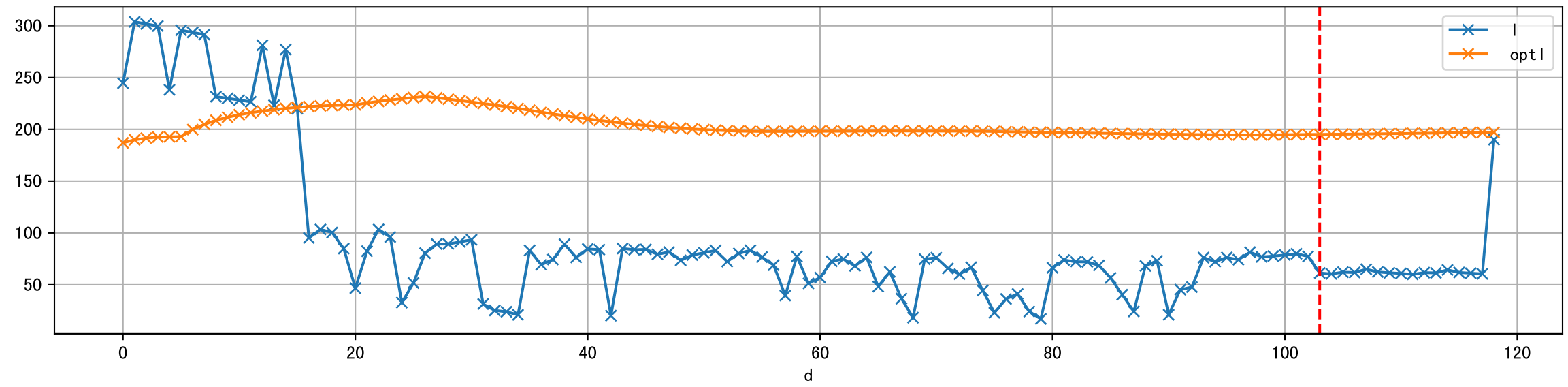

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day
82.5
85.0
87.5
90.0
92.5
95.0
97.5
100.0
102.5

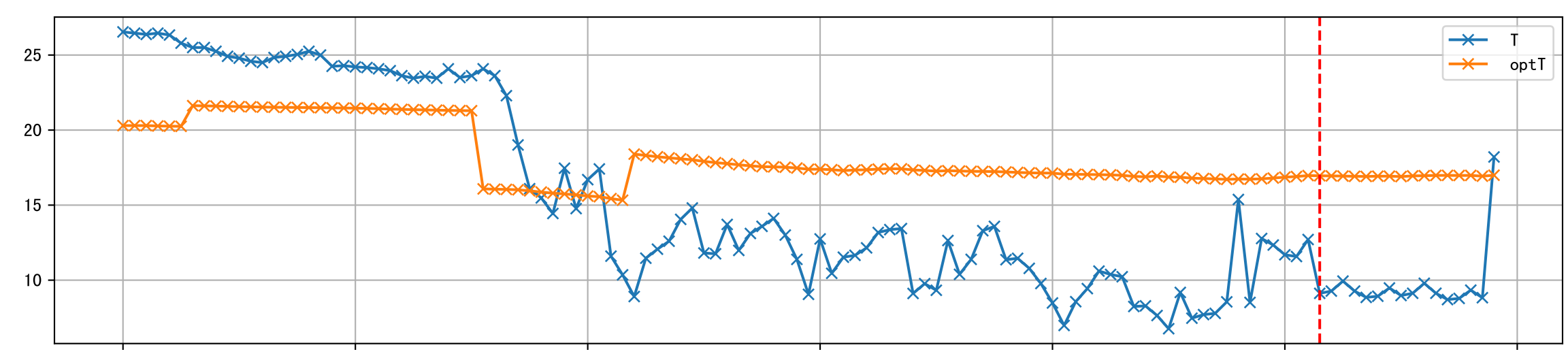

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
1e6
4
3
2
1
0
20
40
60
80
100
d
ETcA_VN
ETcA_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
d
ETcB_VN
ETcB_ws

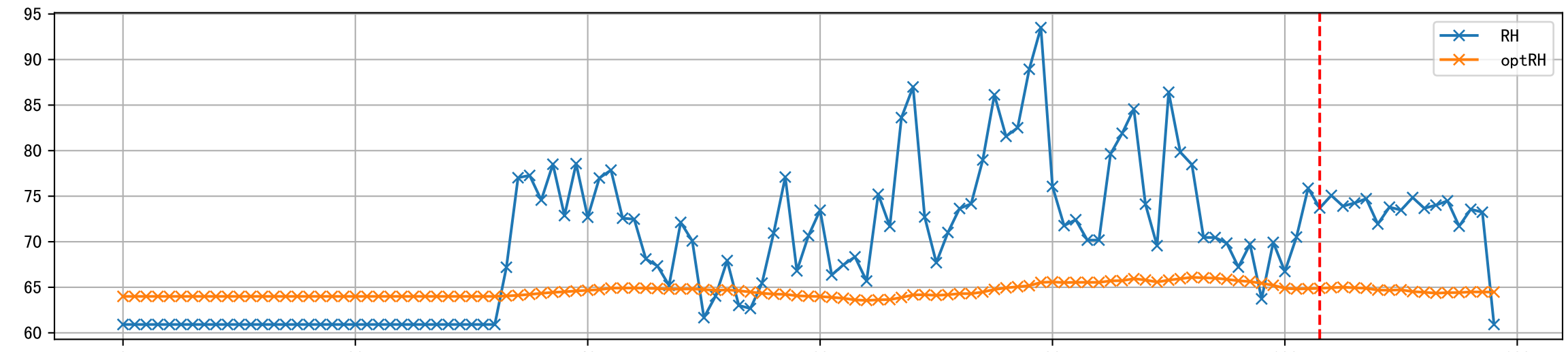

Plot [['ETcAraw:o', 'ETcA']]
1e6
4
3
2
1
0
0
50
100
150
200
d
ETcAraw
ETcA

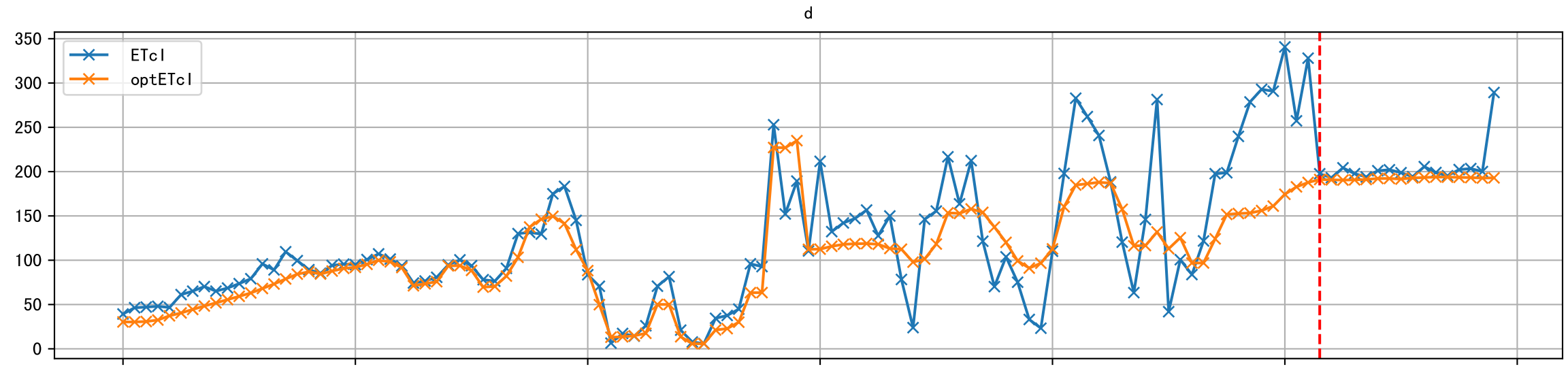

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
d

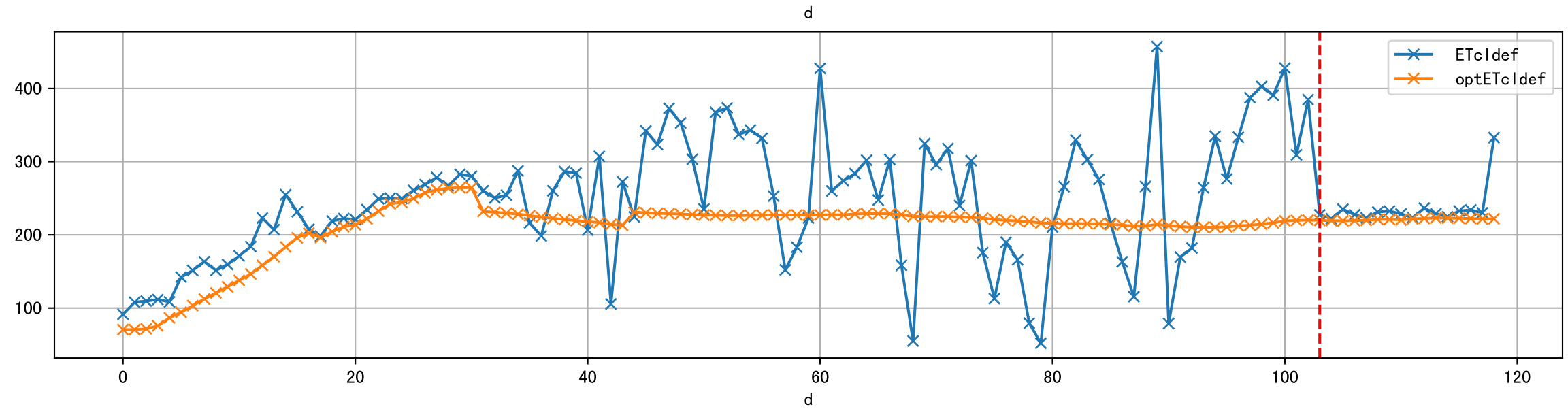
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

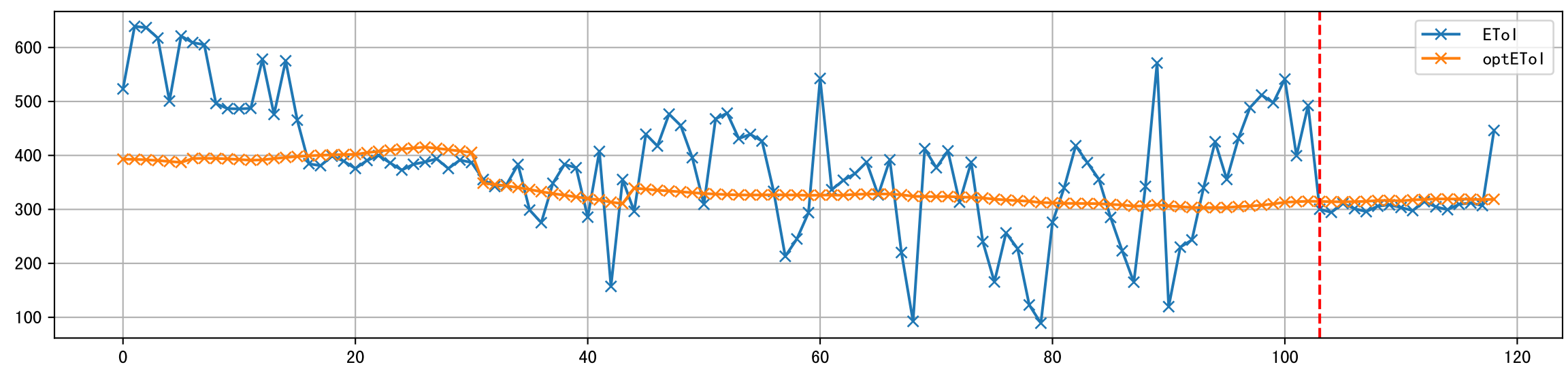


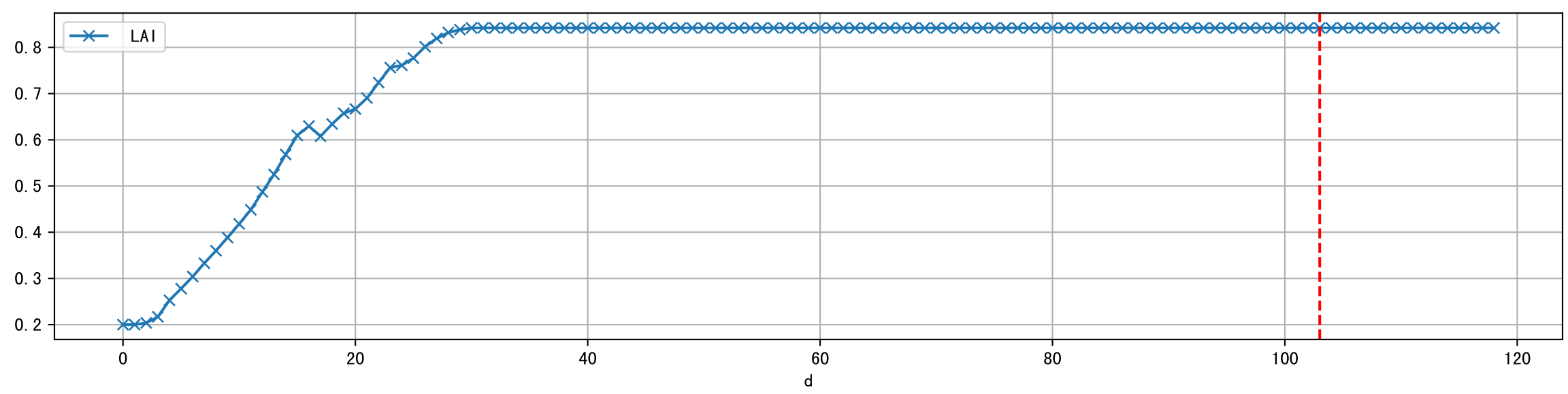


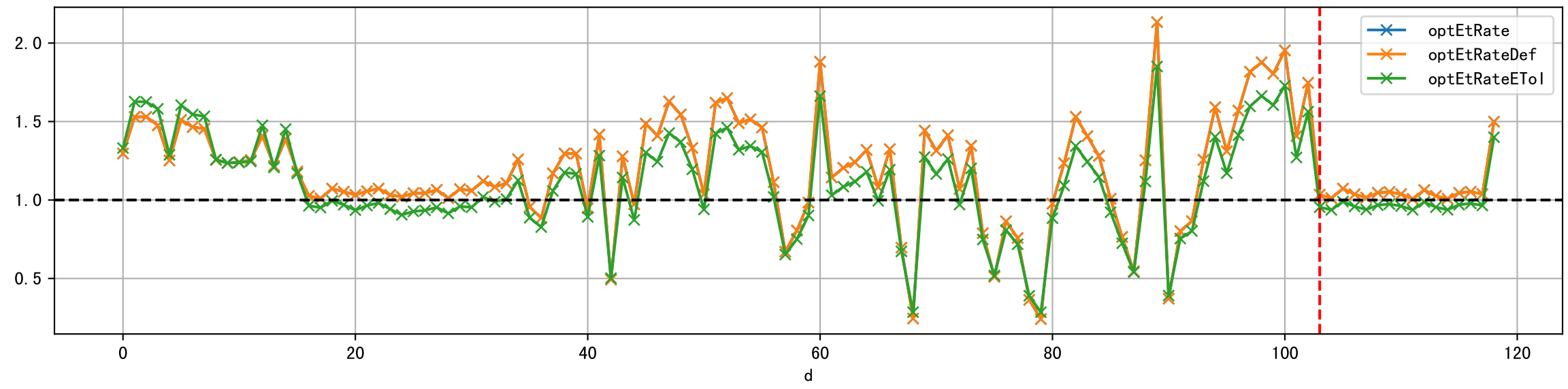


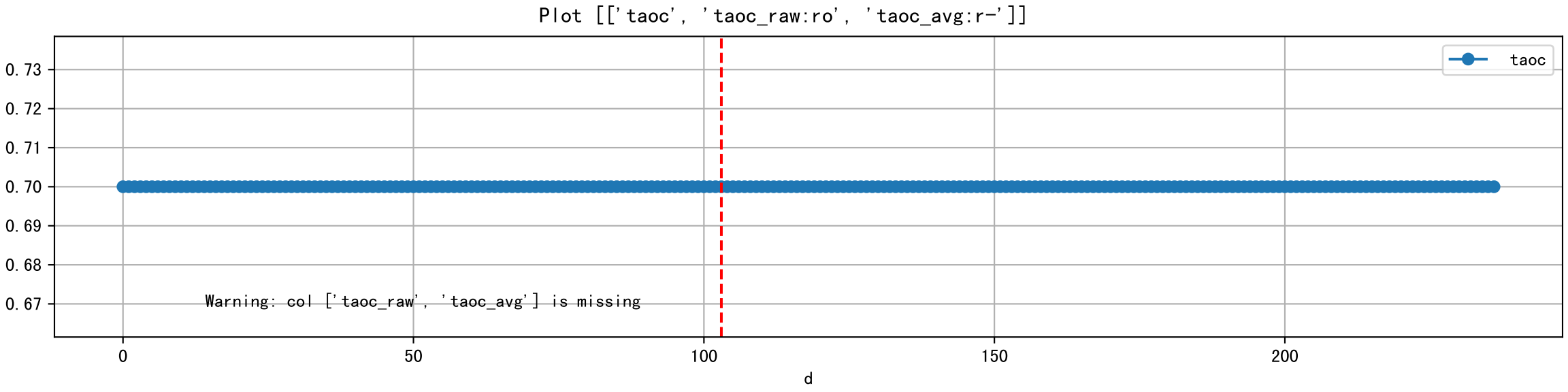


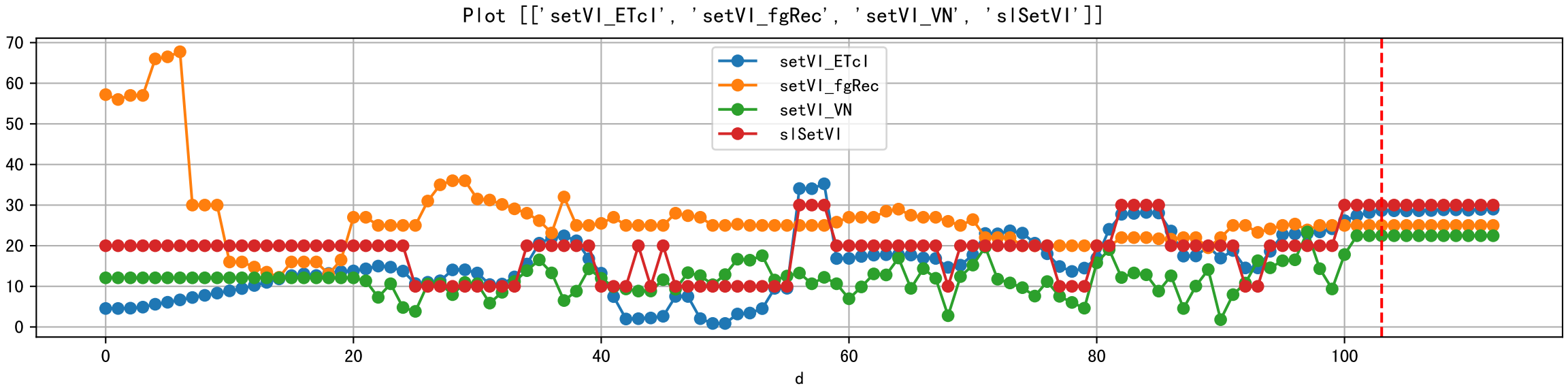


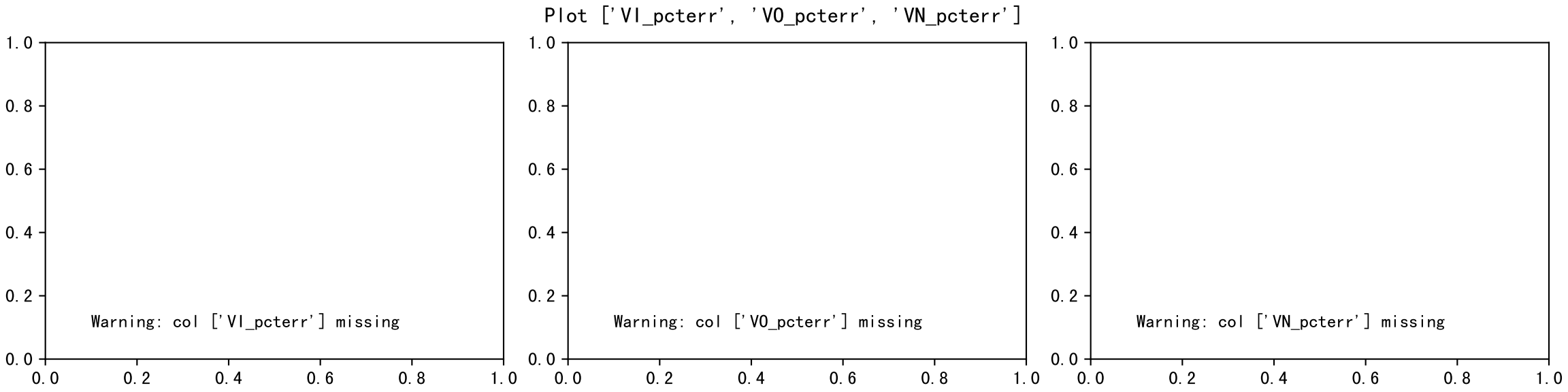


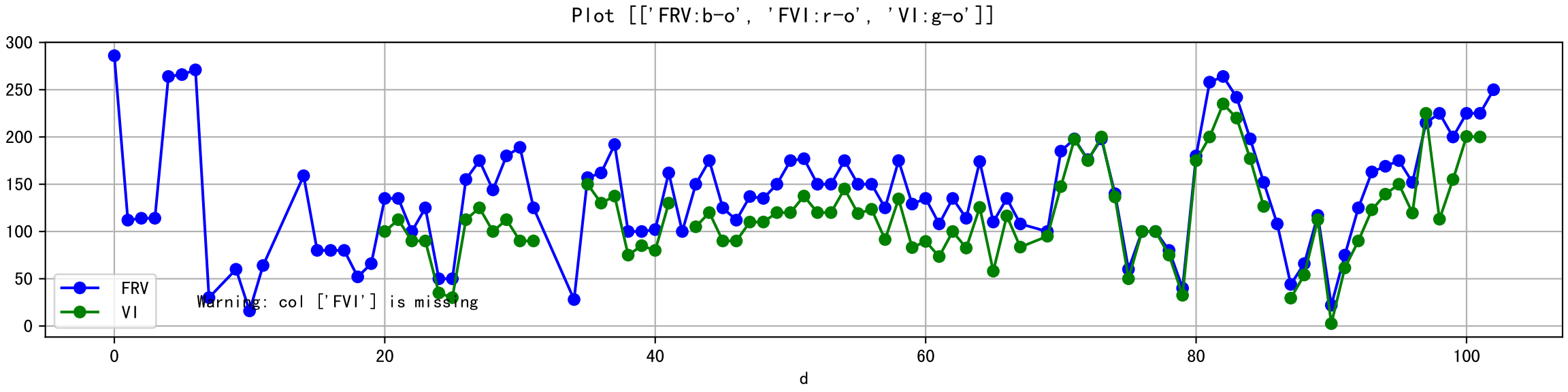


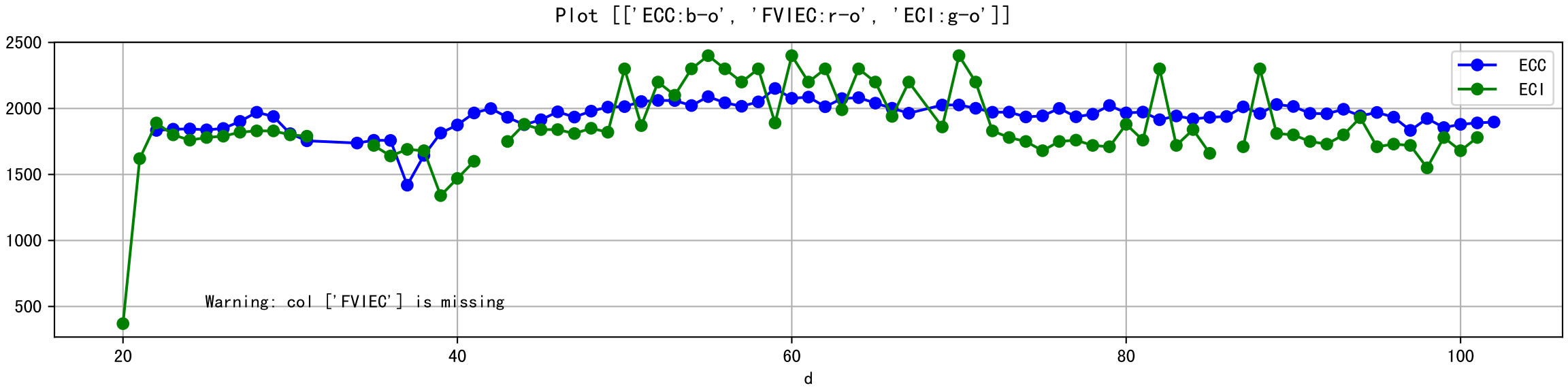


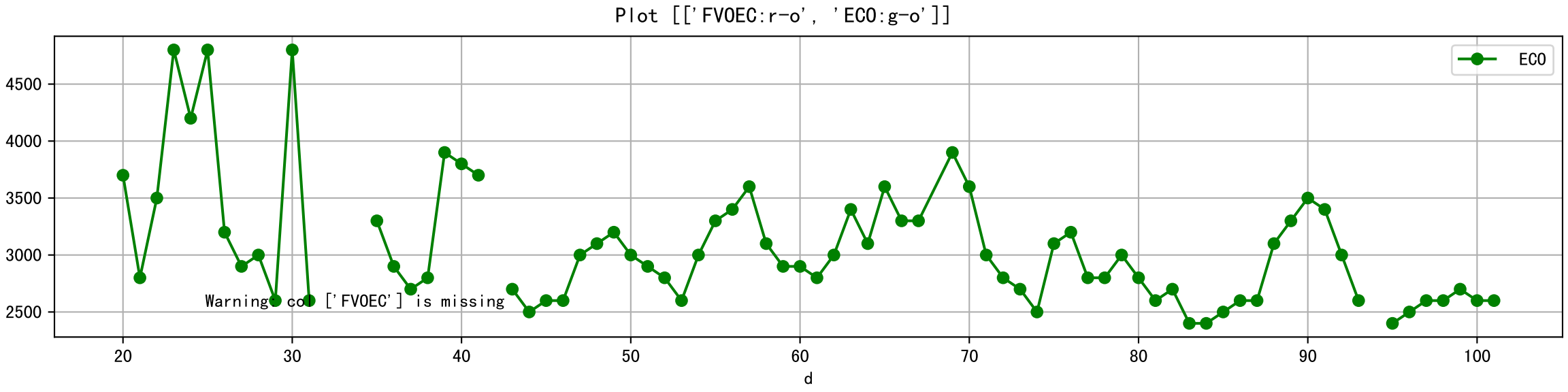

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

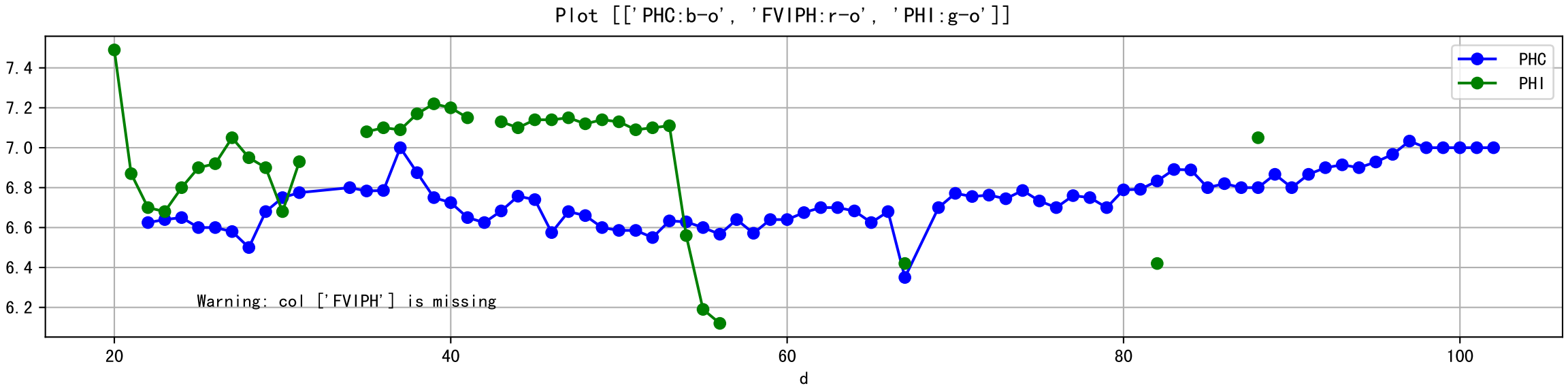

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'sISetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
sISetVI
70
60
50
40
30
20
10
0
0
20
40
60
80
100
d

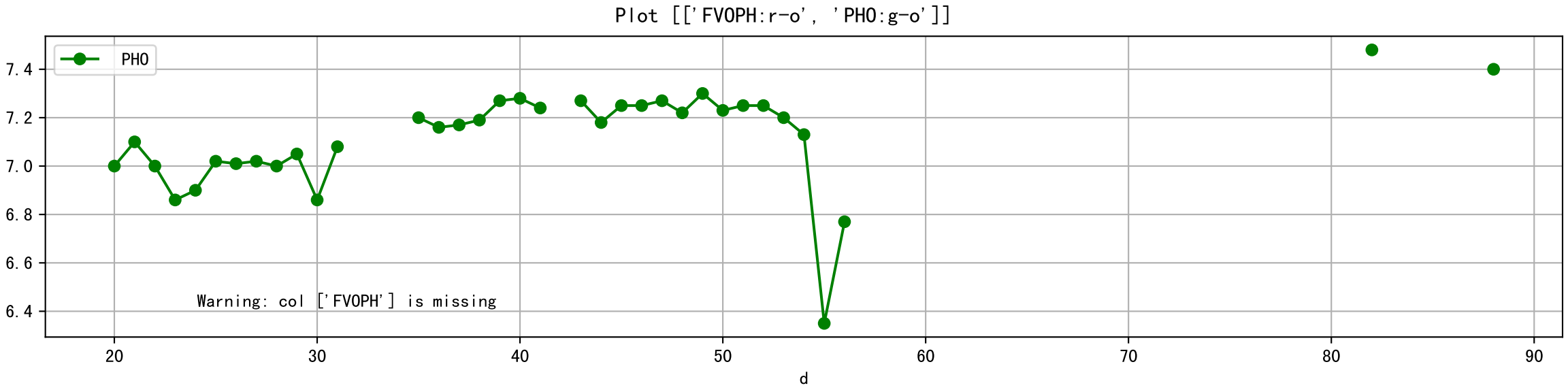

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

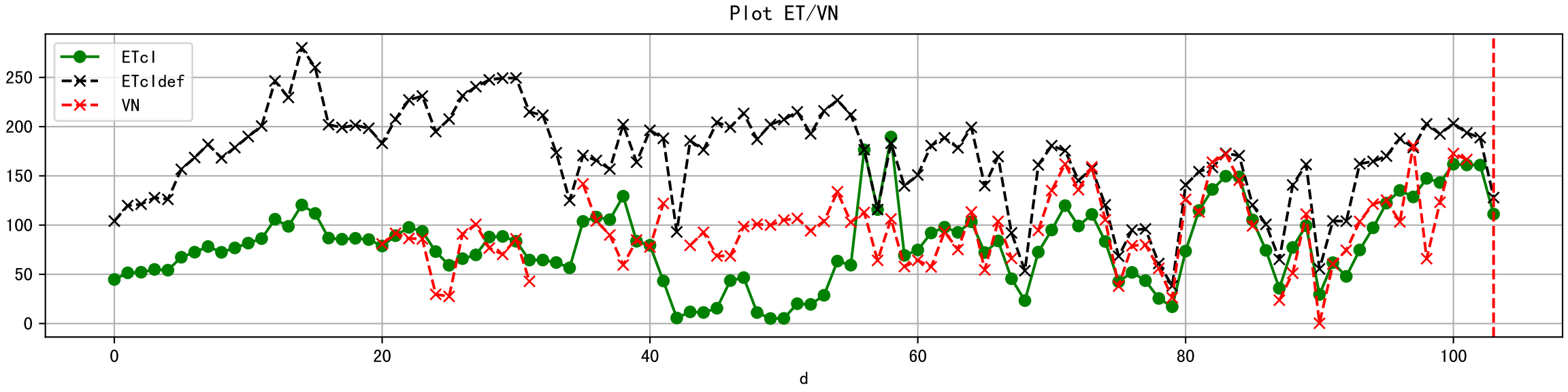

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
300
250
200
150
100
50
0
0
20
40
60
80
100
d
FRV
VI
Warning: col ['FVI'] is missing


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
d
ECC
ECI
Warning: col ['FVIEC'] is missing

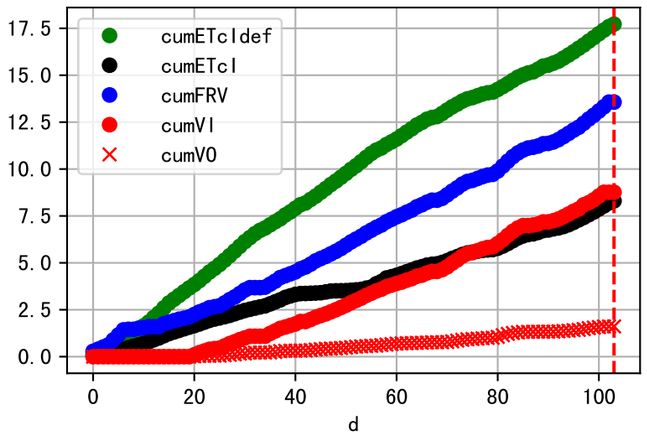

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
20
30
40
50
60
70
80
90
100
d

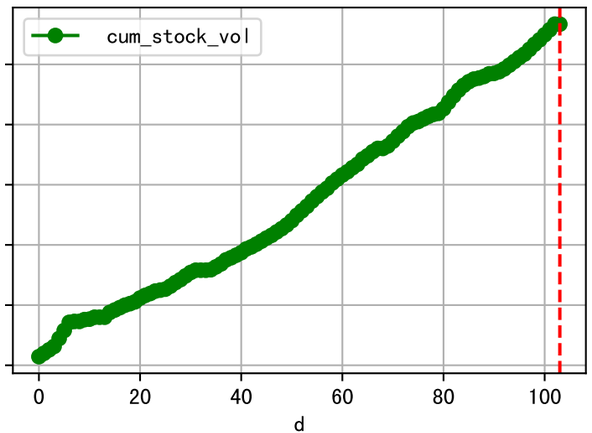

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
d

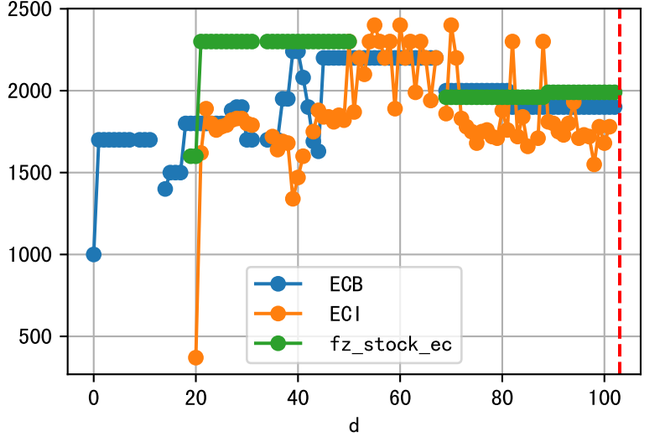

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

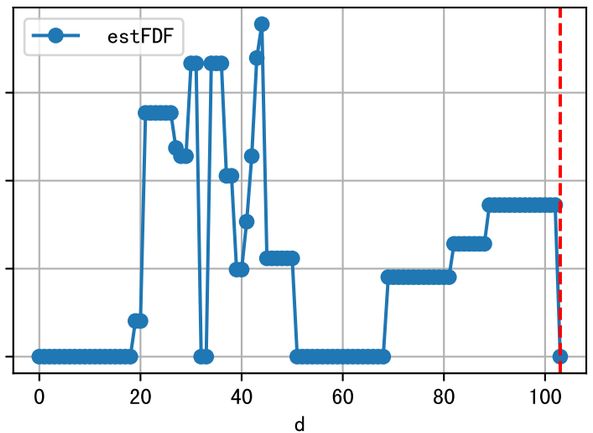

Plot ET/VN
ETcl
ETcldef
VN
250
200
150
100
50
0
0
20
40
60
80
100
d

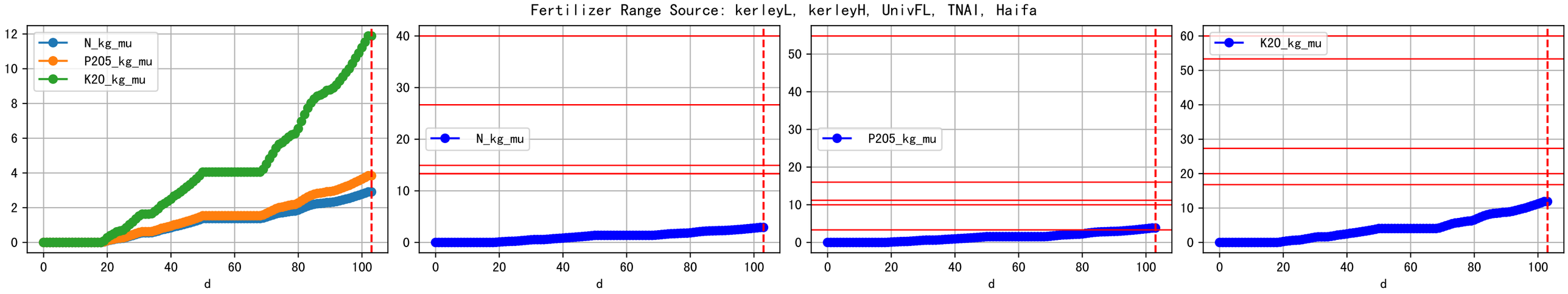
Plot Fv and fertilizer usage

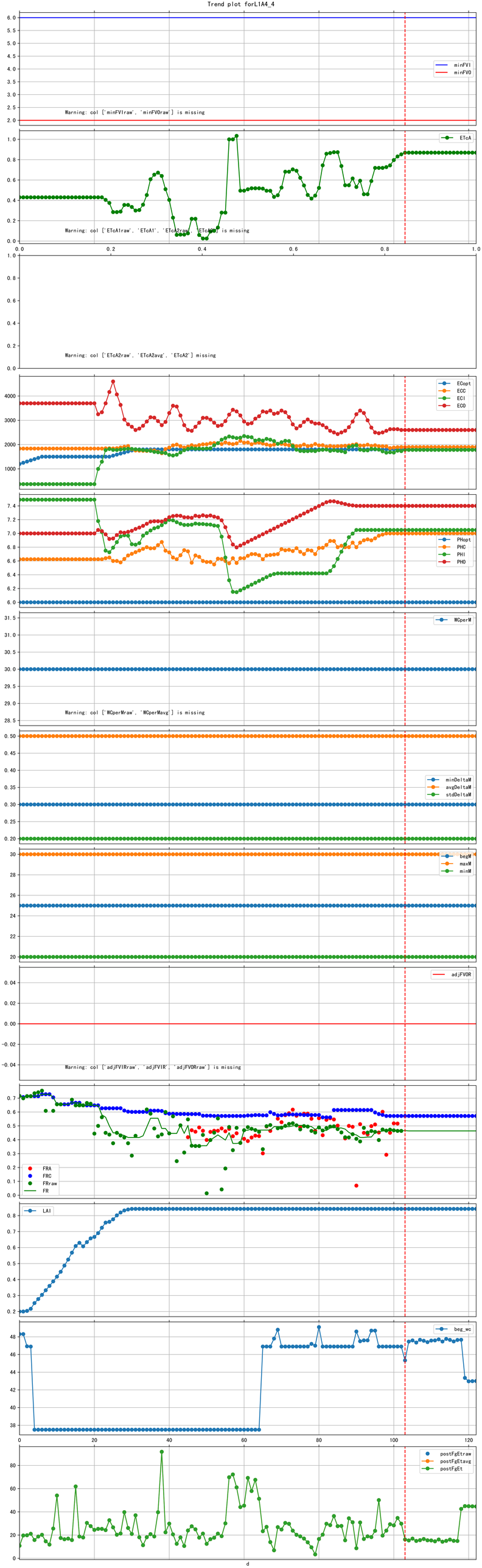


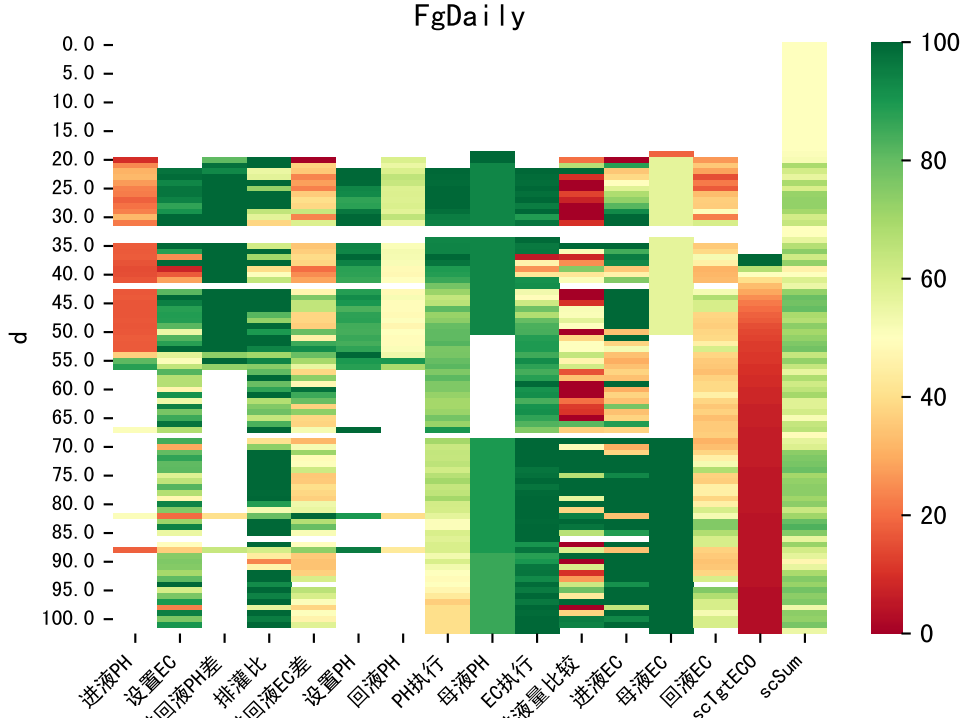


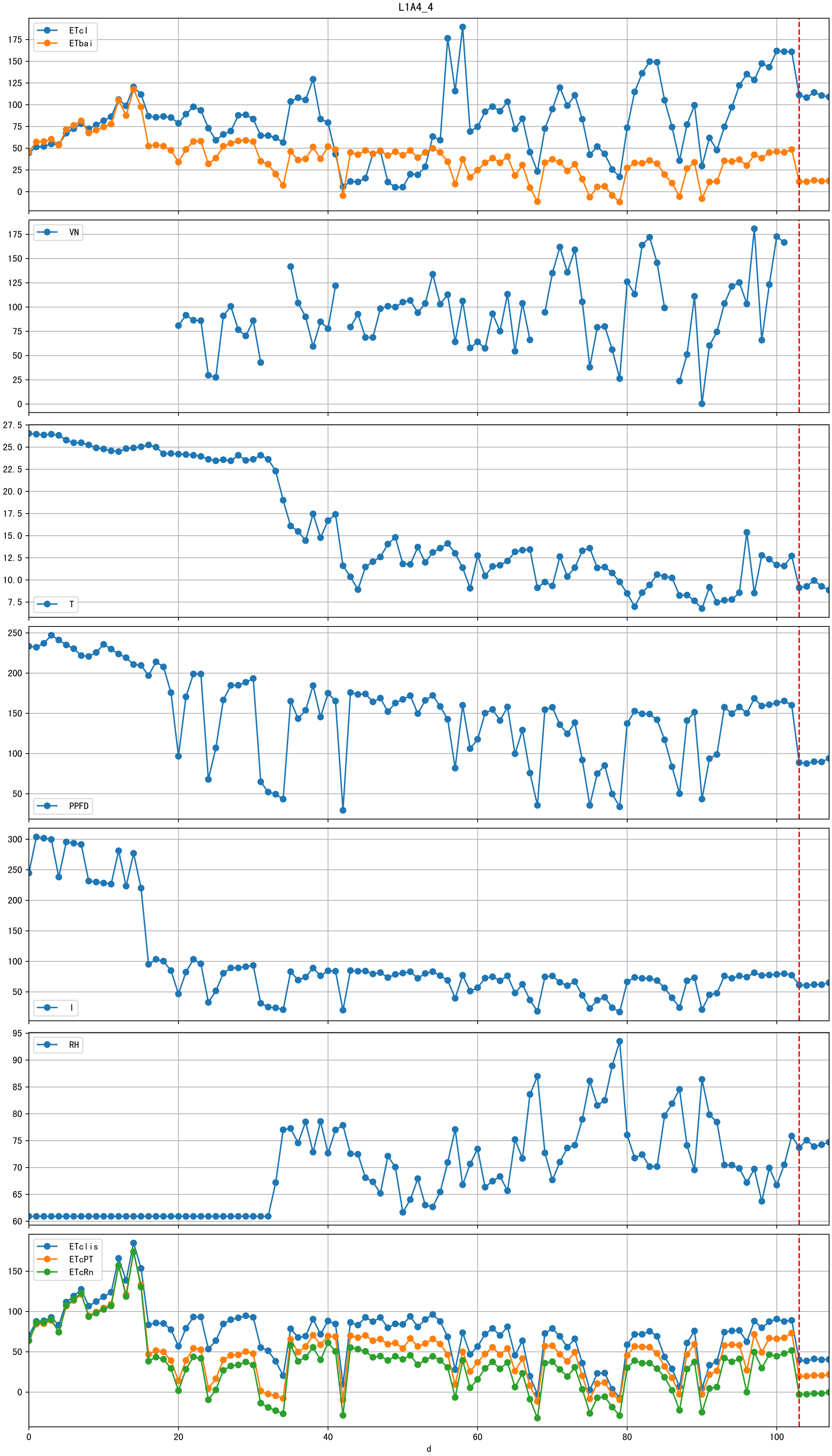


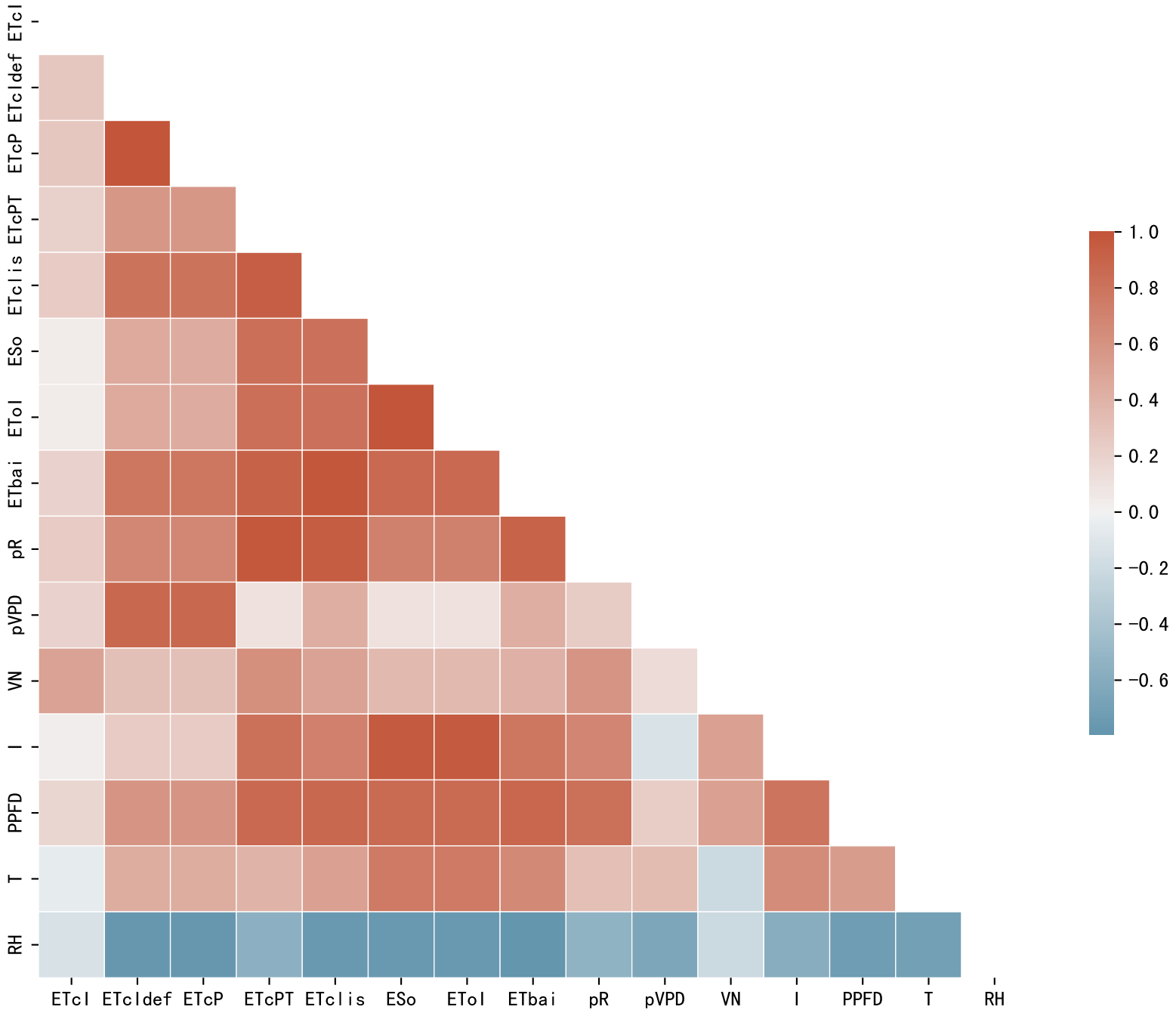


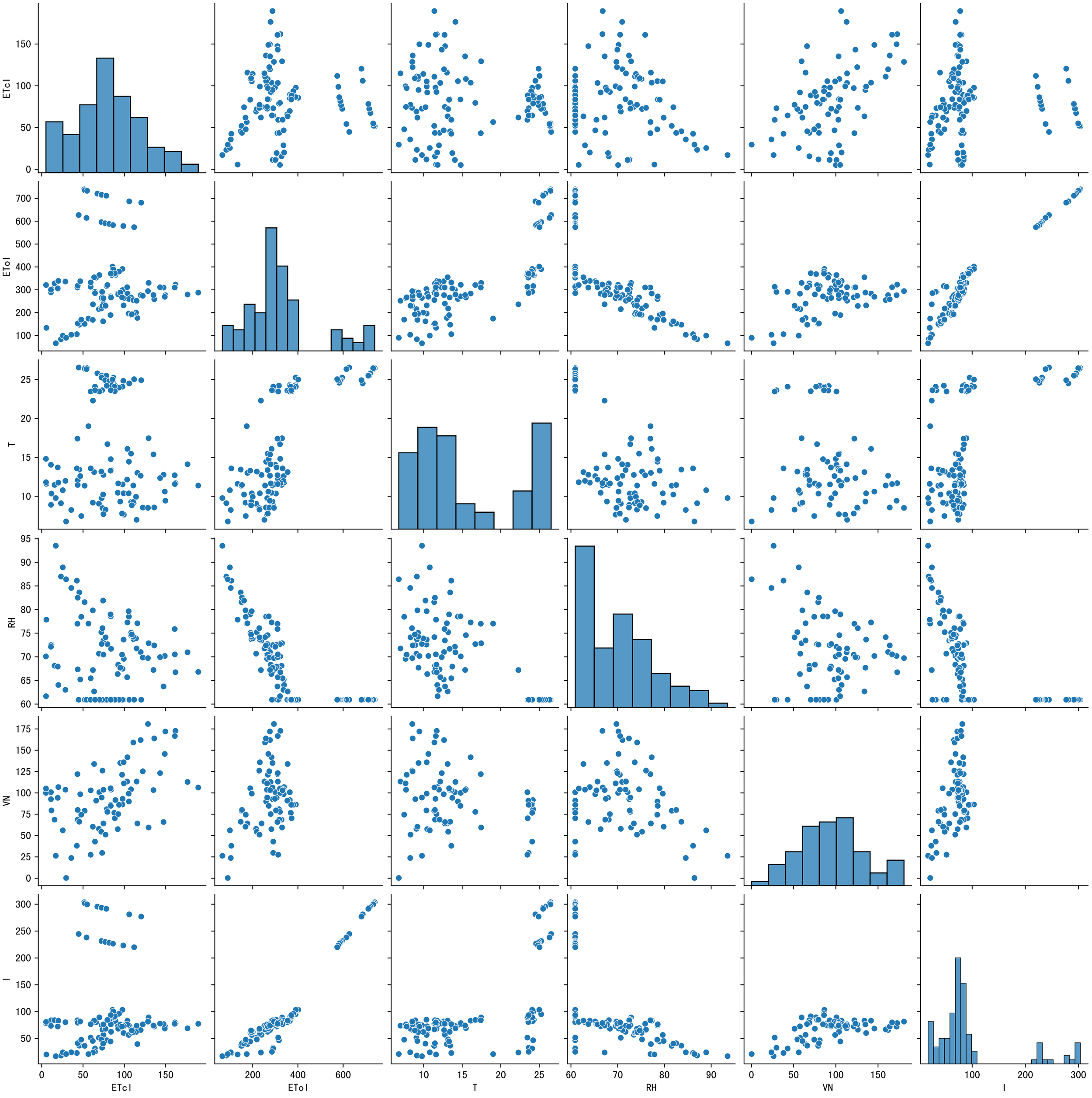

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

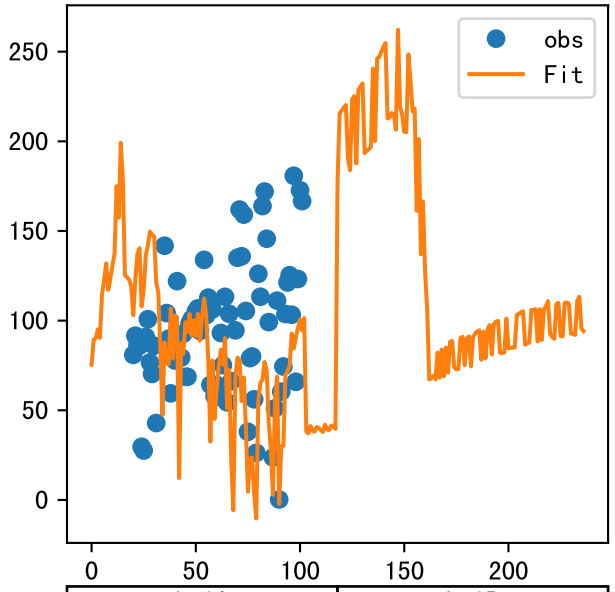

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

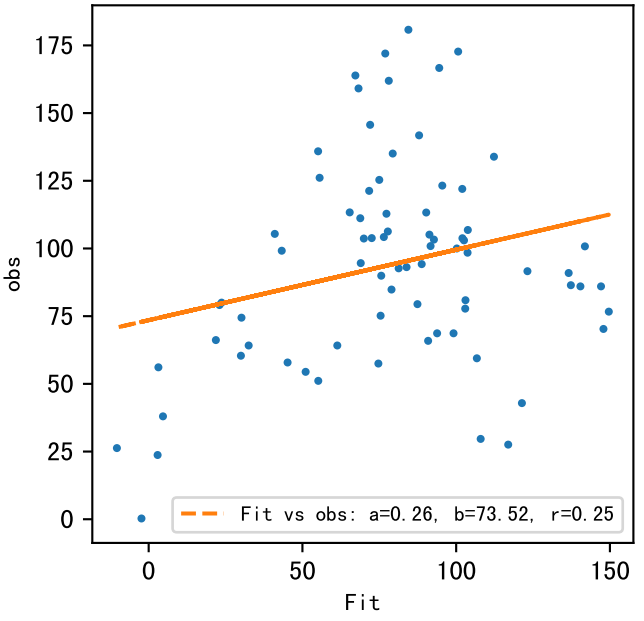

FgDaily
d
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
65.0
70.0
75.0
80.0
85.0
90.0
95.0
100.0
100
80
60
40
20
0
进液PH
设置EC
回液PH差
排灌比
回液EC差
设置PH
回液PH
PH执行
母液PH
EC执行
液量比较
进液EC
母液EC
回液EC
scTgtEC0
scSum


L1A4_4
ETcl
ETbai
VN
T
PPFD
I
RH
ETclis
ETcPT
ETcRn
d

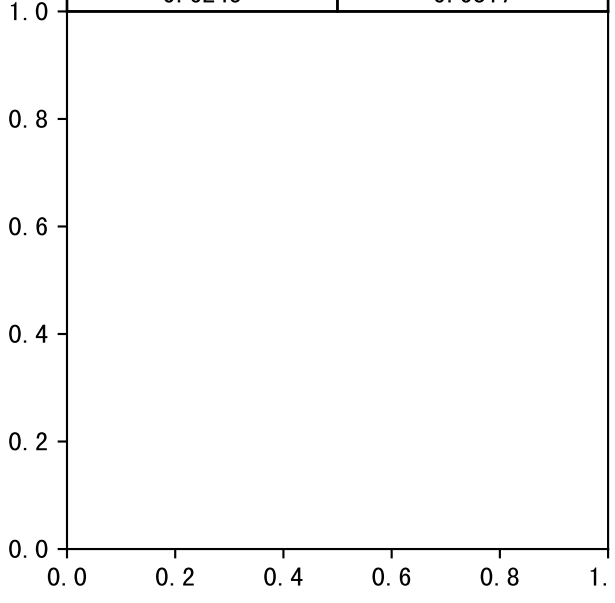

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

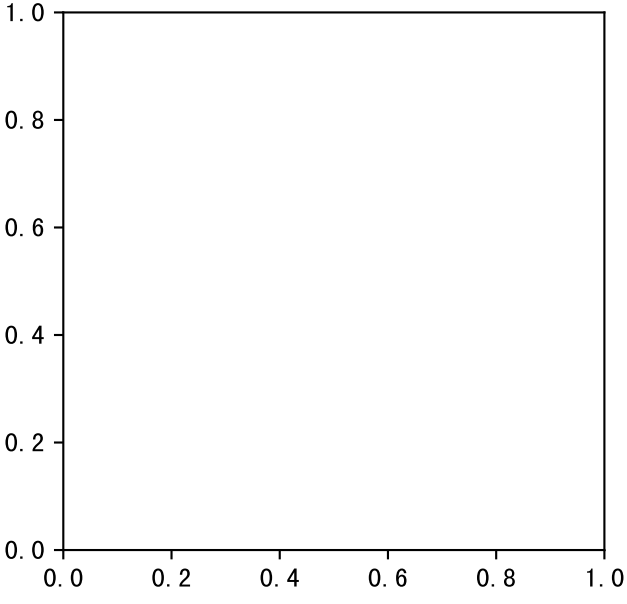

ETcl
ETol
T
RH
VN
I

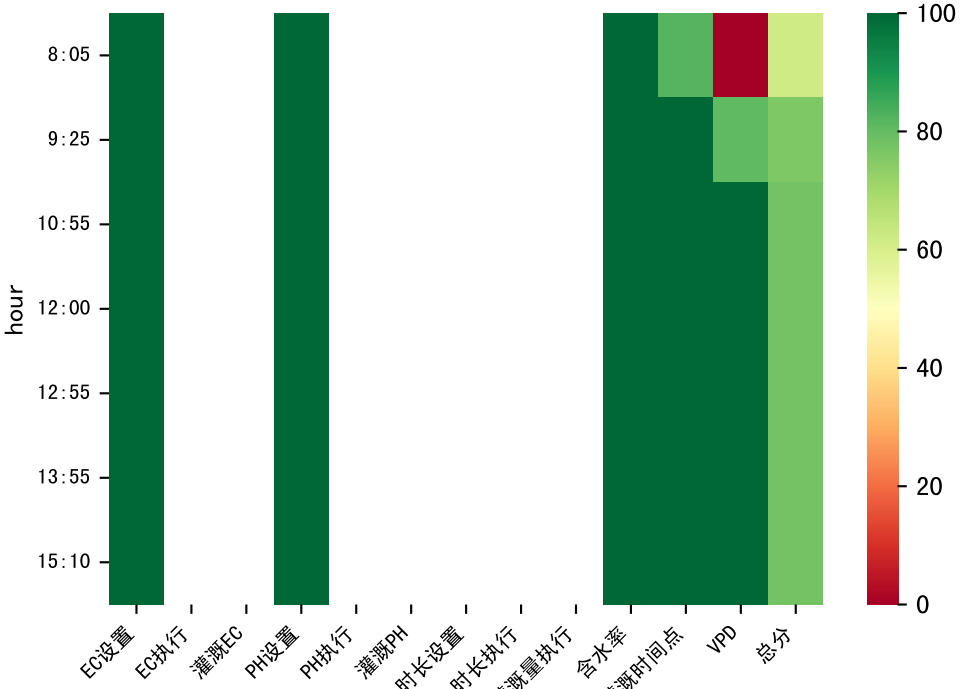




baiA	baiB
0.6245	0.0317

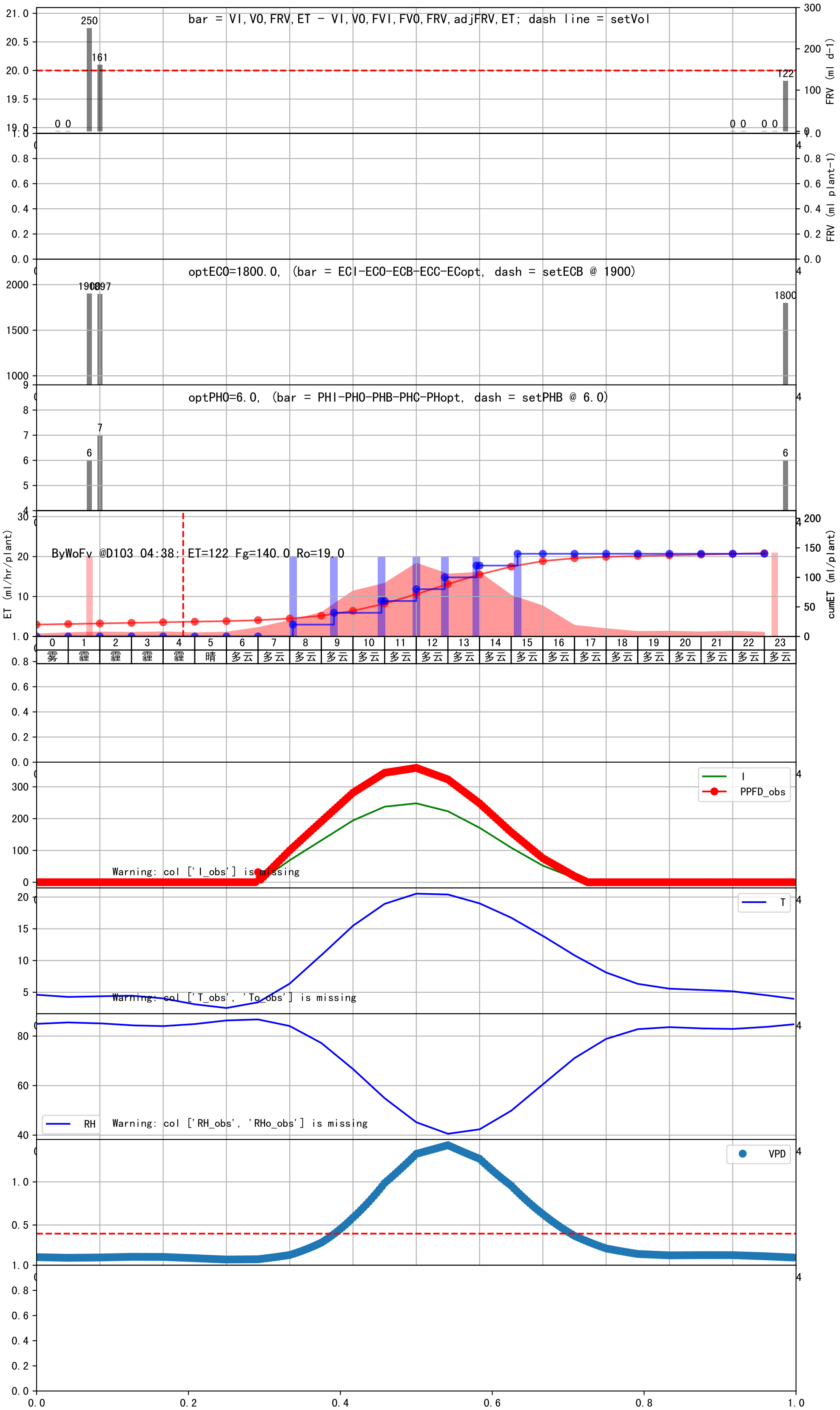


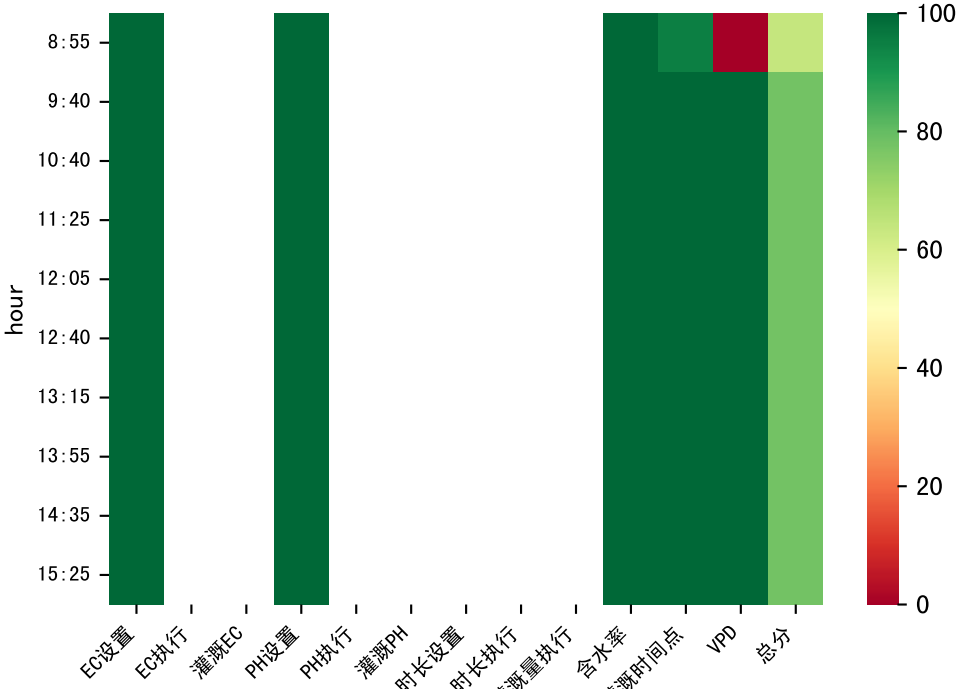



hour
8:05
9:25
10:55
12:00
12:55
13:55
15:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	43	20.0	0.081	多云	预期@08:05 自主（未用传感器）
09:25	43	20.0	0.081	多云	预期@09:25 自主（未用传感器）
10:55	43	20.0	0.081	多云	预期@10:55 自主（未用传感器）
12:00	43	20.0	0.081	多云	预期@12:00 自主（未用传感器）
12:55	43	20.0	0.081	多云	预期@12:55 自主（未用传感器）
13:55	43	20.0	0.081	多云	预期@13:55 自主（未用传感器）
15:10	43	20.0	0.081	多云	预期@15:10 自主（未用传感器）
总计	301.0 (7次)	140.0			建议进液EC：1900， PH：6.0

L1A4_4, Day=103 (2026-01-17)

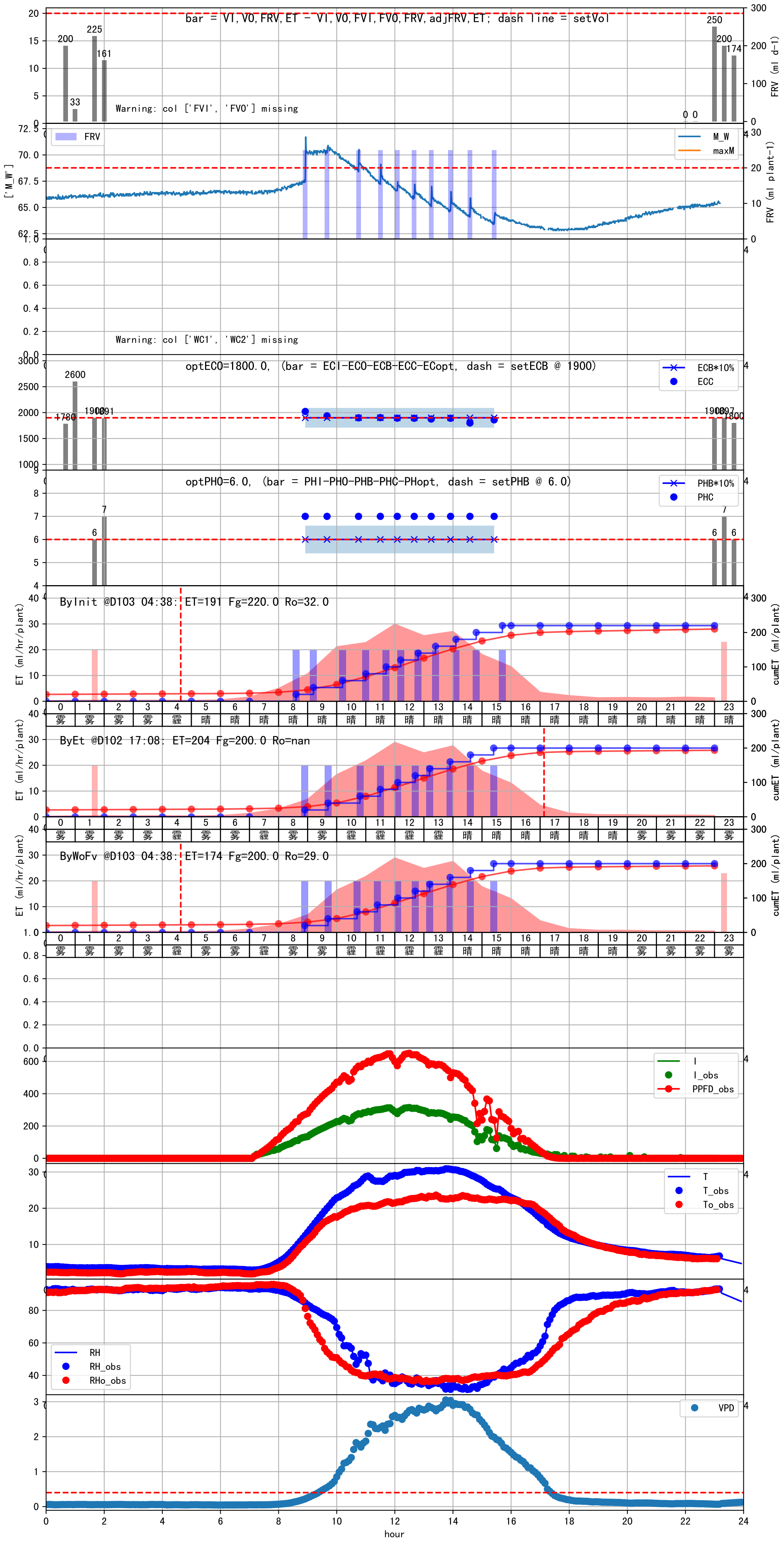


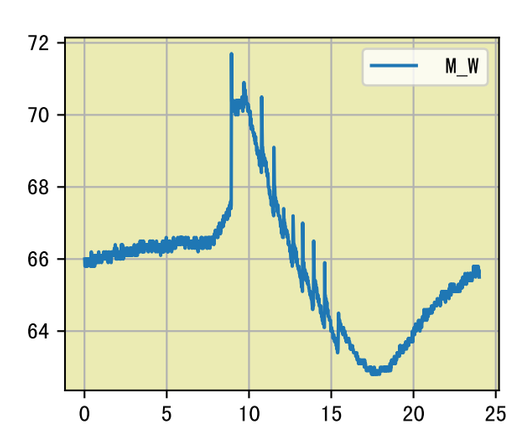

hour
8:55
9:40
10:40
11:25
12:05
12:40
13:15
13:55
14:35
15:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

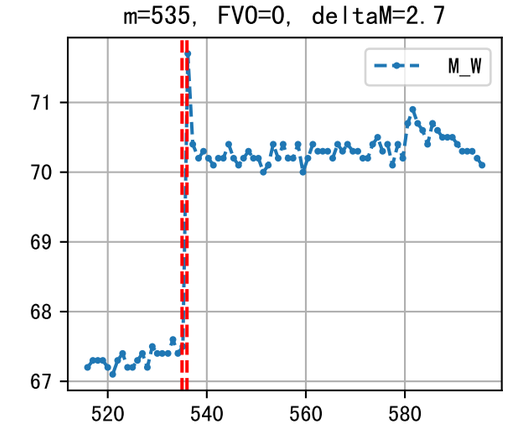
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:55	43	20.0	0.081	雾	假设@08:55 自动（未用传感器）
09:40	43	20.0	0.081	雾	假设@09:40 自动（未用传感器）
10:40	43	20.0	0.081	霾	假设@10:40 自动（未用传感器）
11:25	43	20.0	0.081	霾	假设@11:25 自动（未用传感器）
12:05	43	20.0	0.081	霾	假设@12:05 自动（未用传感器）
12:40	43	20.0	0.081	霾	假设@12:40 自动（未用传感器）
13:15	43	20.0	0.081	霾	假设@13:15 自动（未用传感器）
13:55	43	20.0	0.081	霾	假设@13:55 自动（未用传感器）
14:35	43	20.0	0.081	晴	假设@14:35 自动（未用传感器）
15:25	43	20.0	0.081	晴	待执行@15:25 自动（未用传感器）
总计	430.0 (10次)	200.0			建议进液EC：1900， PH：6.0

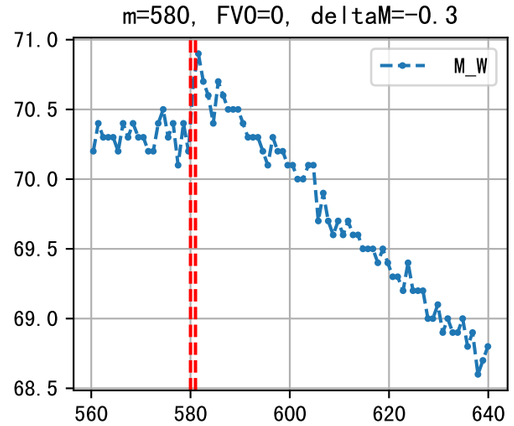
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

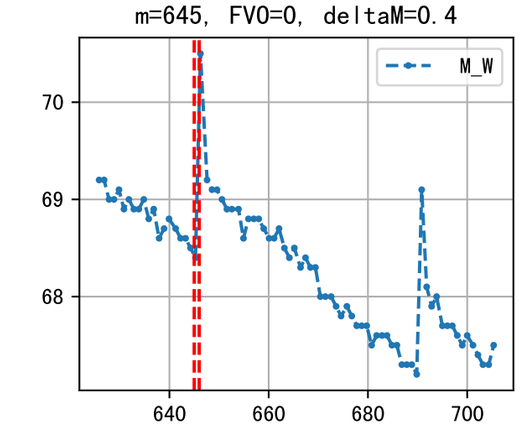
L1A4_4, Day=102 (2026-01-16)

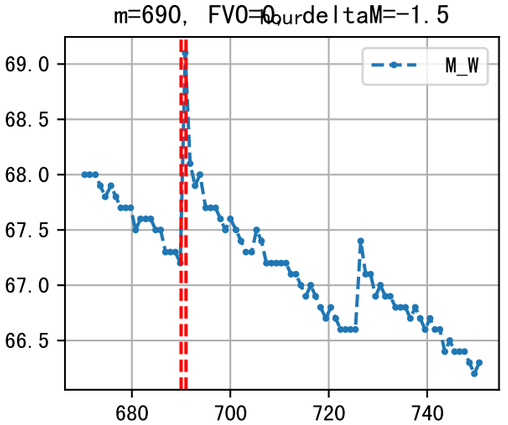


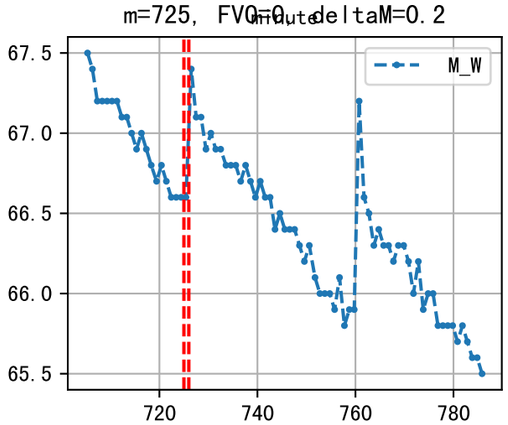

M_W

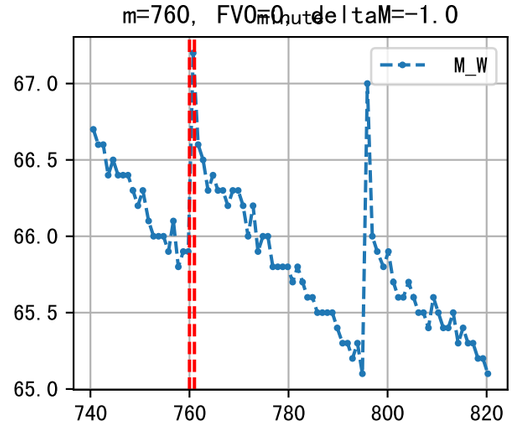

m=535, FVO=0, deltaM=2.7
M_W

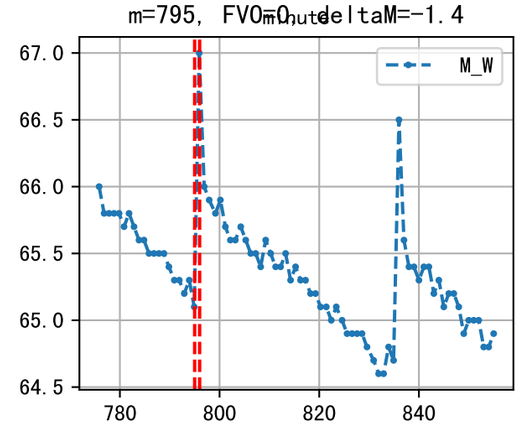

m=580, FVO=0, deltaM=-0.3
M_W

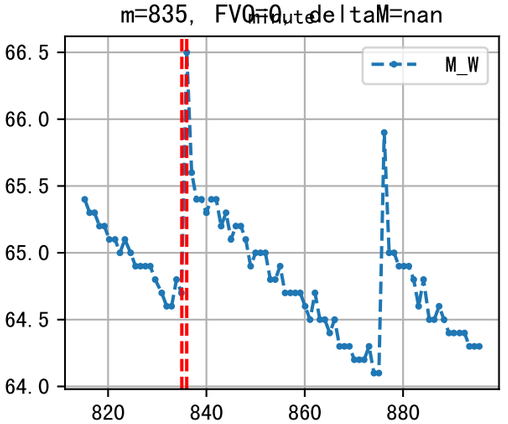

m=645, FVO=0, deltaM=0.4
M_W

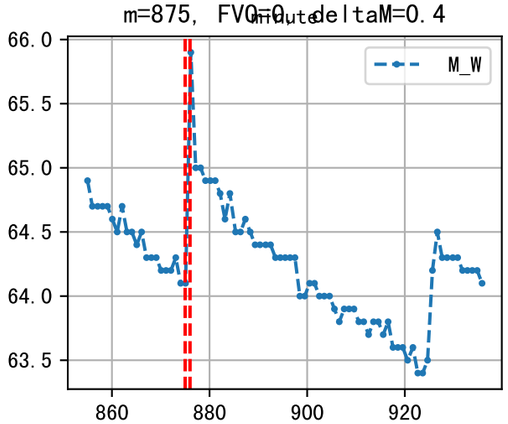

m=690, FVO=0, deltaM=-1.5
hour
M_W

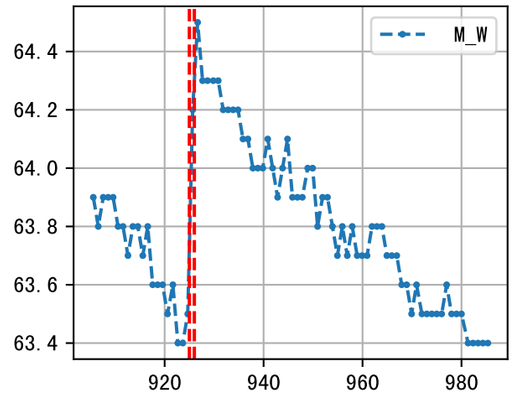

m=725, FVO=0, deltaM=0.2
minute
M_W

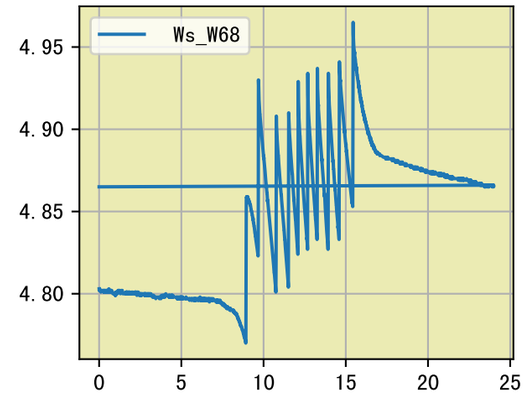

m=760, FVO=0, deltaM=-1.0
minute
M_W

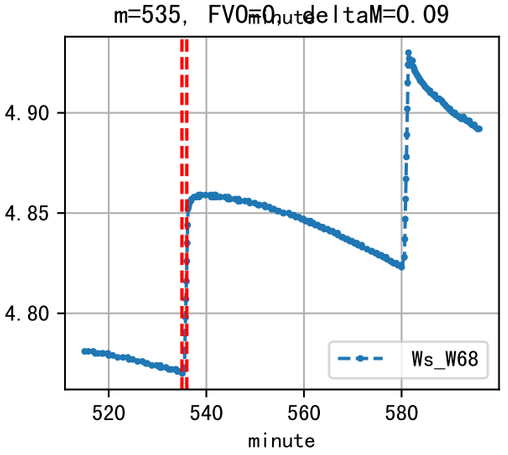

m=795, FVO=0, deltaM=-1.4
minute
M_W

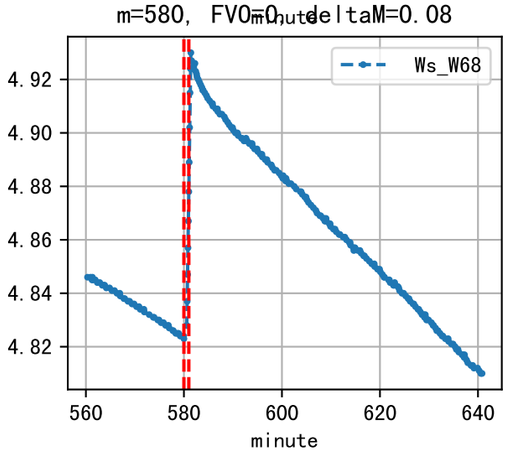

m=835, FVO=0, deltaM=nan
minute
M_W

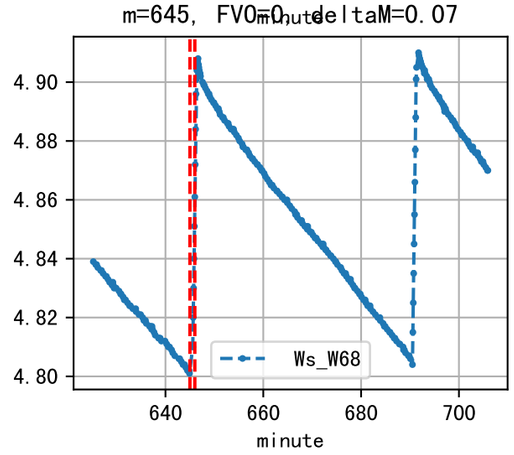

m=875, FVO=0, deltaM=0.4
minute
M_W

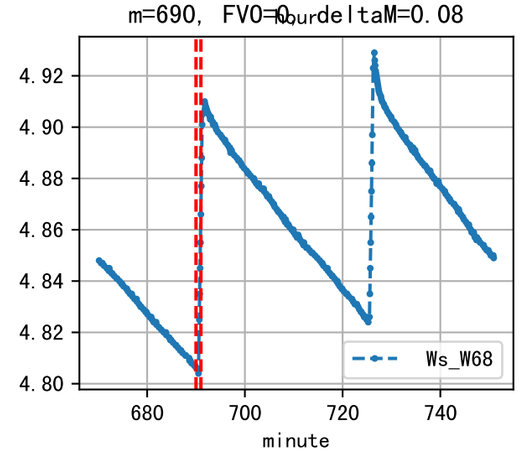

m=925, FVO=0, deltaM=-0.1
minute
M_W

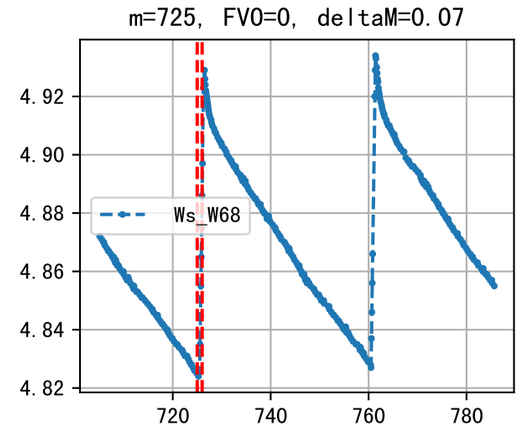

Ws_W68

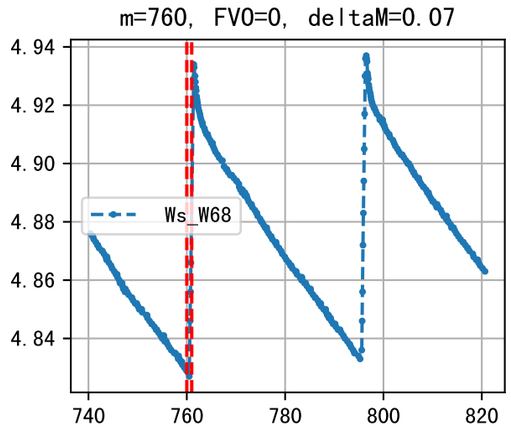

m=535, FVO=0, deltaM=0.09
minute
Ws_W68

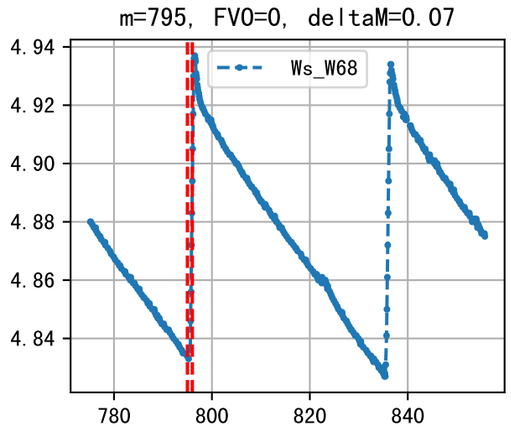

m=580, FVO=0, deltaM=0.08
minute
Ws_W68

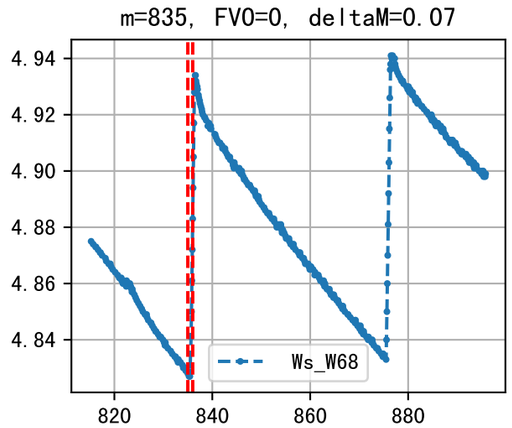

m=645, FVO=0, deltaM=0.07
minute
Ws_W68

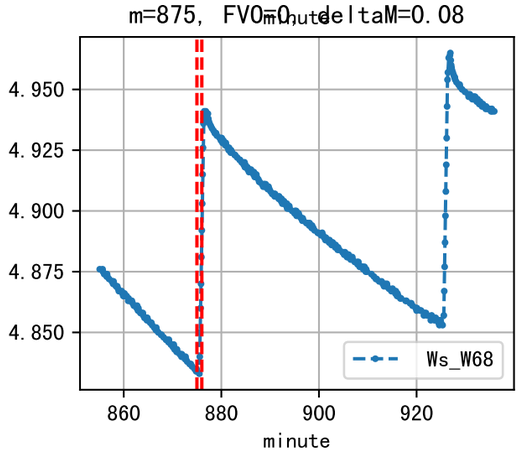

m=690, FVO=0, deltaM=0.08
hour
Ws_W68

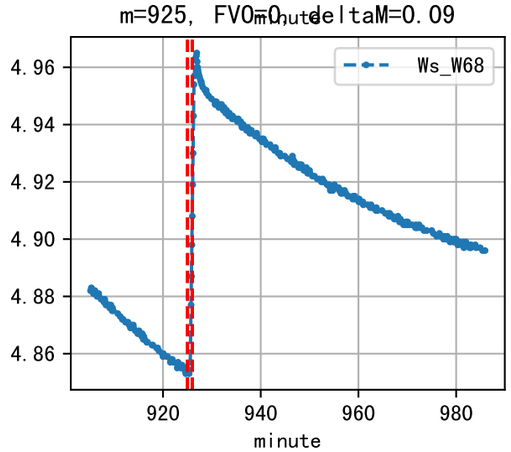

m=725, FV0=0, deltaM=0.07
Ws_W68
4.92
4.90
4.88
4.86
4.84
4.82
720
740
760
780
minute

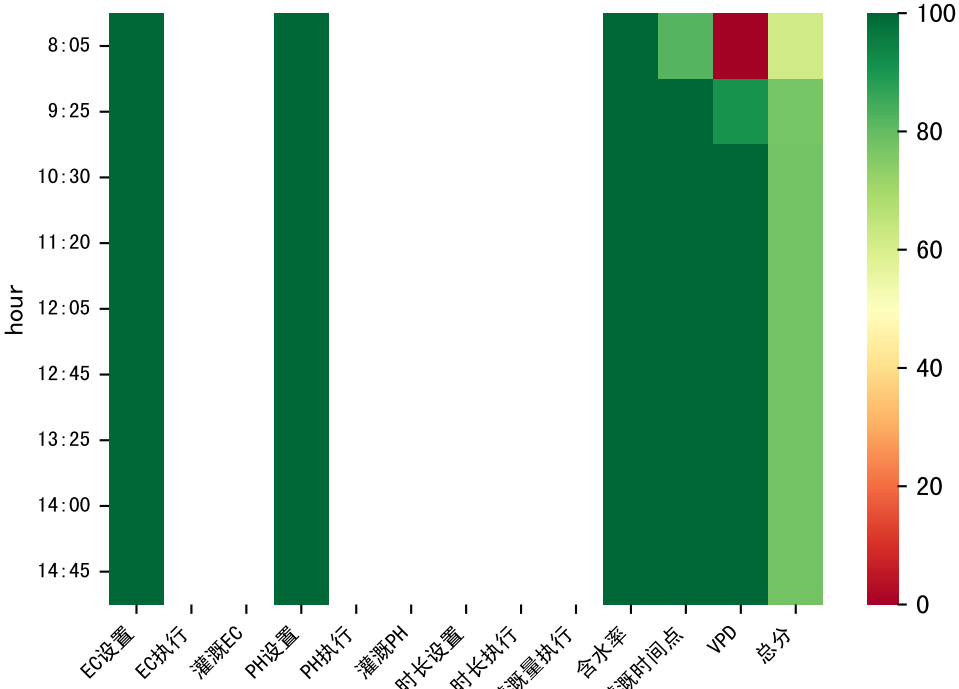

m=760, FV0=0, deltaM=0.07
Ws_W68
4.94
4.92
4.90
4.88
4.86
4.84
740
760
780
800
820
minute


m=795, FV0=0, deltaM=0.07
Ws_W68
4.94
4.92
4.90
4.88
4.86
4.84
780
800
820
840
minute


m=835, FV0=0, deltaM=0.07
Ws_W68
4.94
4.92
4.90
4.88
4.86
4.84
820
840
860
880
minute


m=875, FV0=0, deltaM=0.08
Ws_W68
4.950
4.925
4.900
4.875
4.850
860
880
900
920
minute

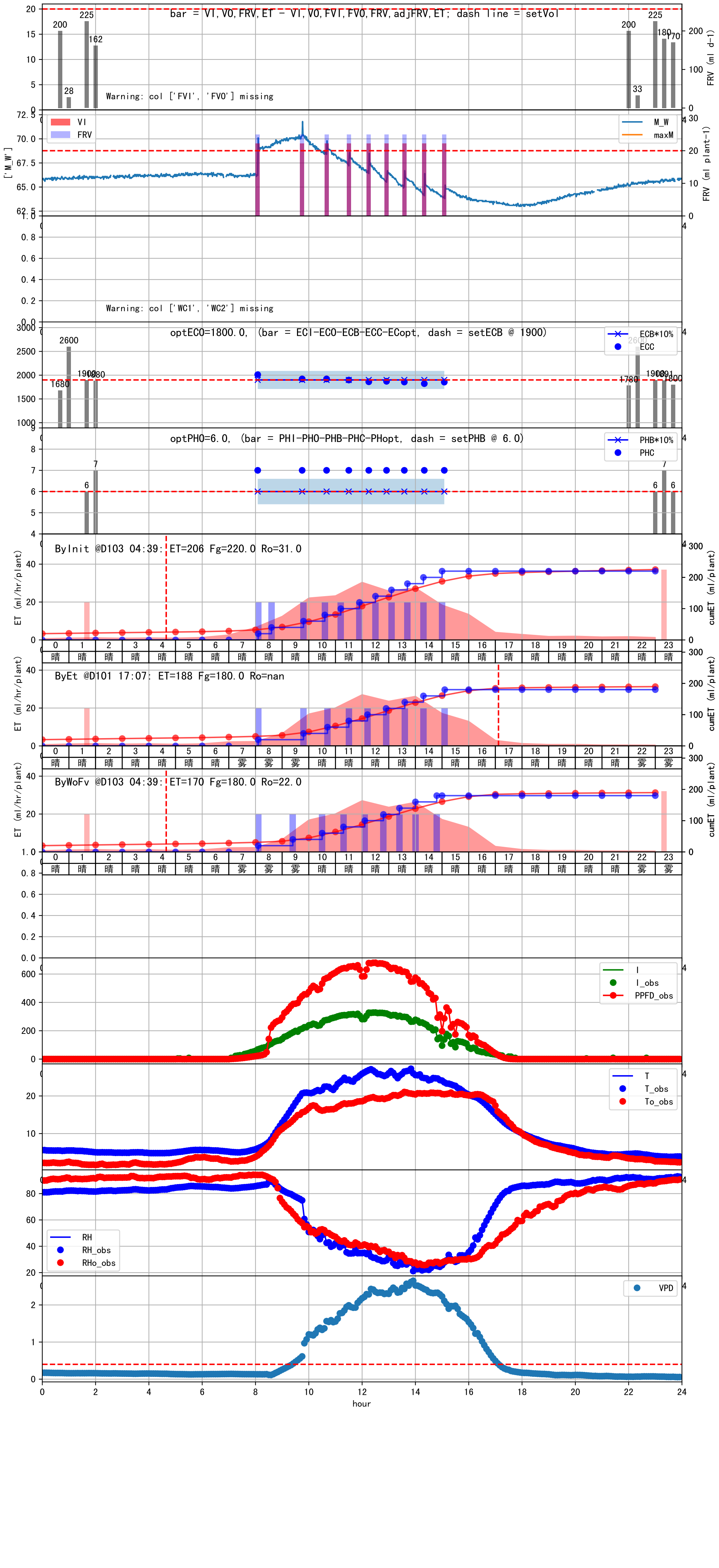

m=925, FV0=0, deltaM=0.09
Ws_W68
4.96
4.94
4.92
4.90
4.88
4.86
920
940
960
980
minute

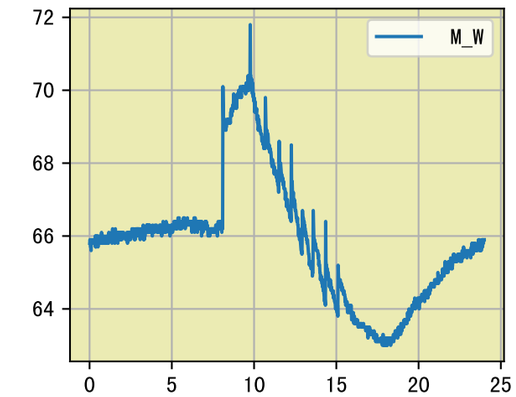

hour
8:05
9:25
10:30
11:20
12:05
12:45
13:25
14:00
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

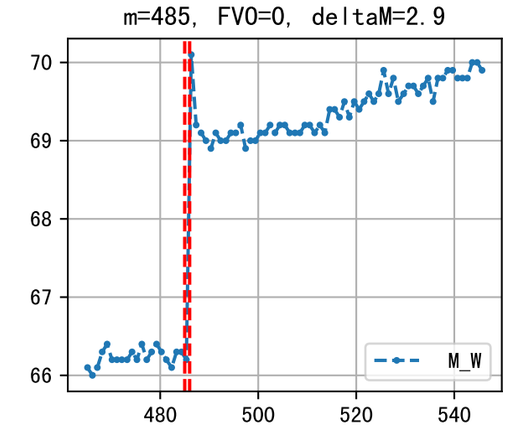
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	43	20.0	0.081	雾	假设@08:05 自动（未用传感器）
09:25	43	20.0	0.081	雾	假设@09:25 自动（未用传感器）
10:30	43	20.0	0.081	晴	假设@10:30 自动（未用传感器）
11:20	43	20.0	0.081	晴	假设@11:20 自动（未用传感器）
12:05	43	20.0	0.081	晴	假设@12:05 自动（未用传感器）
12:45	43	20.0	0.081	晴	假设@12:45 自动（未用传感器）
13:25	43	20.0	0.081	晴	假设@13:25 自动（未用传感器）
14:00	43	20.0	0.081	晴	假设@14:00 自动（未用传感器）
14:45	43	20.0	0.081	晴	假设@14:45 自动（未用传感器）
总计	387.0 (9次)	180.0			建议进液EC：1900， PH：6.0

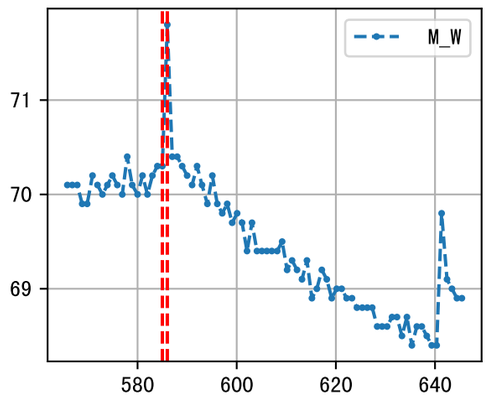
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

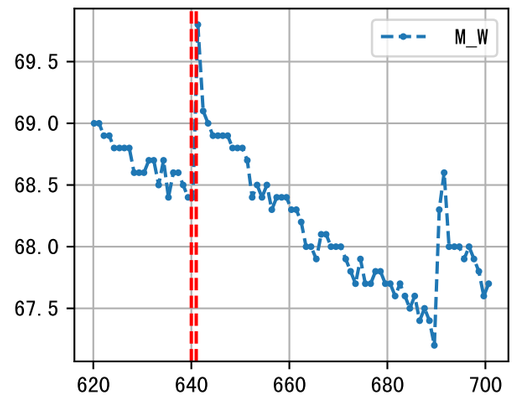
L1A4_4, Day=101 (2026-01-15)

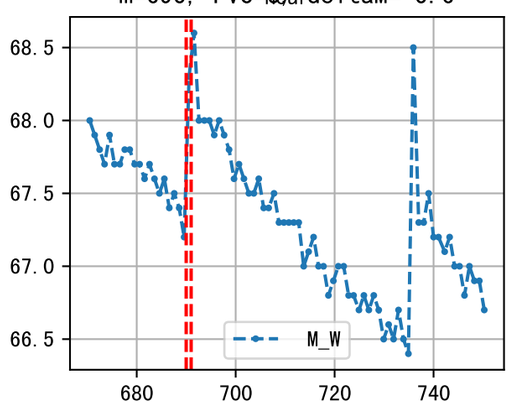


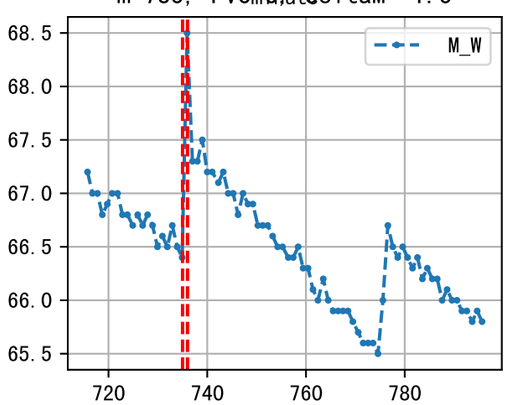

M_W

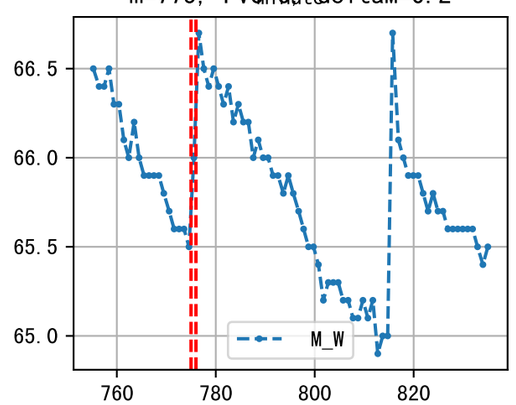

m=485, FVO=0, deltaM=2.9
M_W

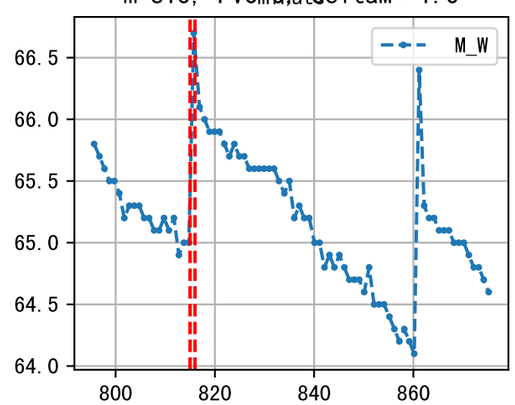

m=585, FVO=0, deltaM=-0.1
M_W

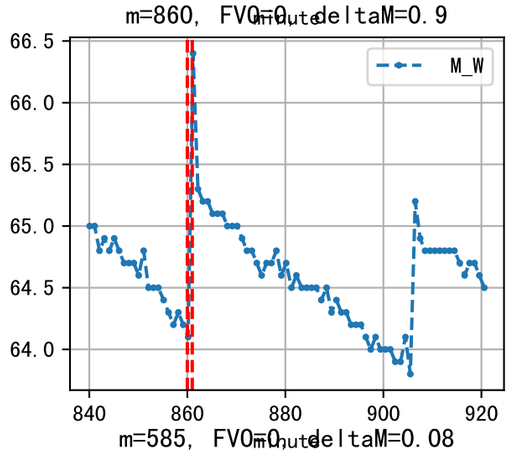

m=640, FVO=0, deltaM=0.4
M_W

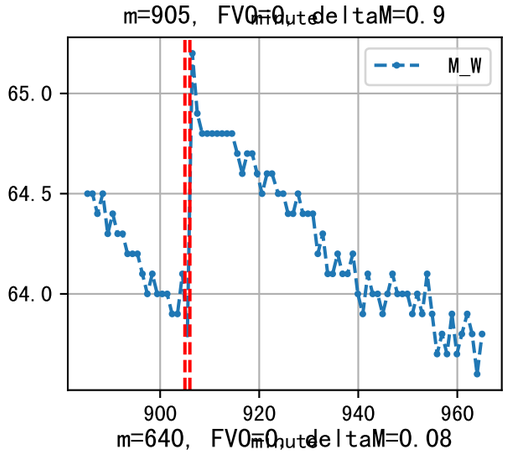

m=690, FVO=0, deltaM=-0.6
M_W

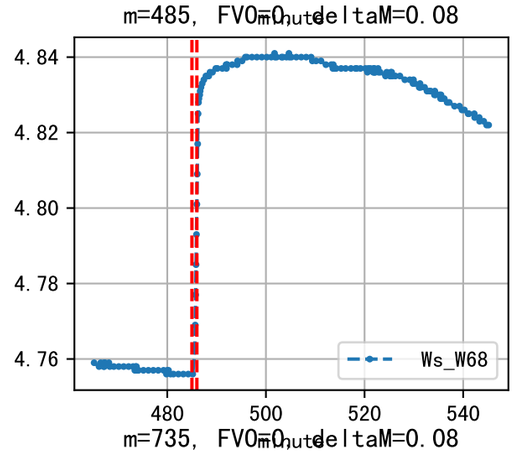

m=735, FVO=0, deltaM=-1.5
M_W

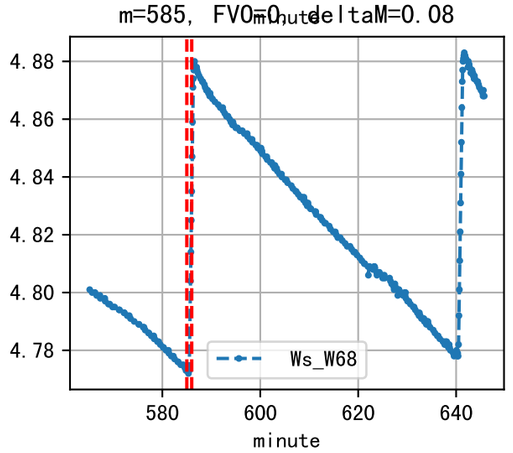

m=775, FVO=0, deltaM=0.2
M_W
minute

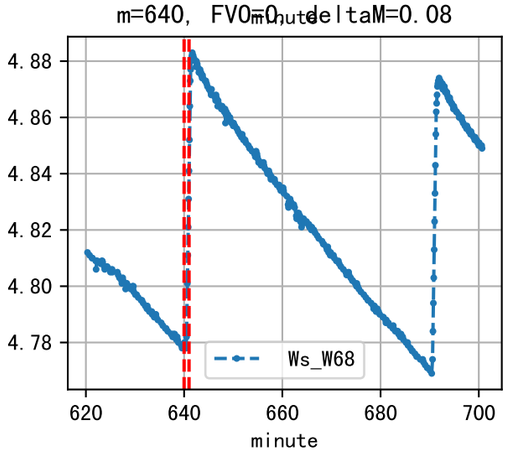

m=815, FVO=0, deltaM=-1.0
M_W

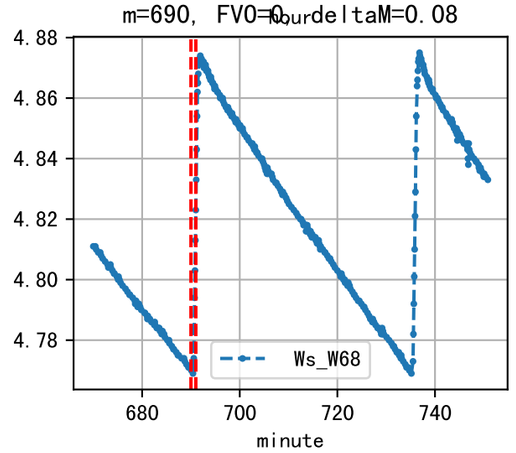

m=860, FVO=0, deltaM=0.9
M_W

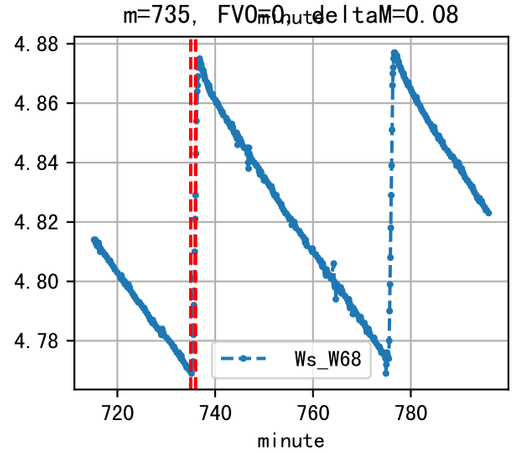

m=905, FVO=0, deltaM=0.9
M_W

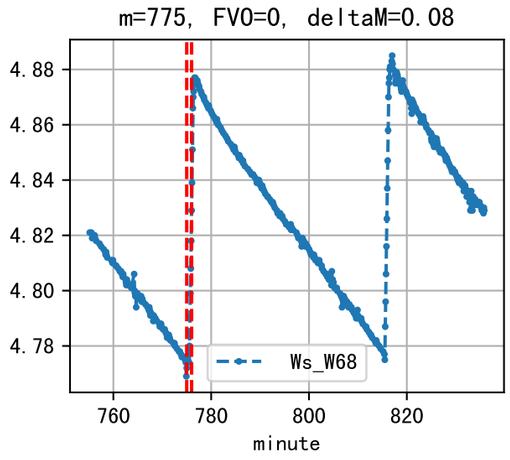

m=485, FVO=0, deltaM=0.08
Ws_W68

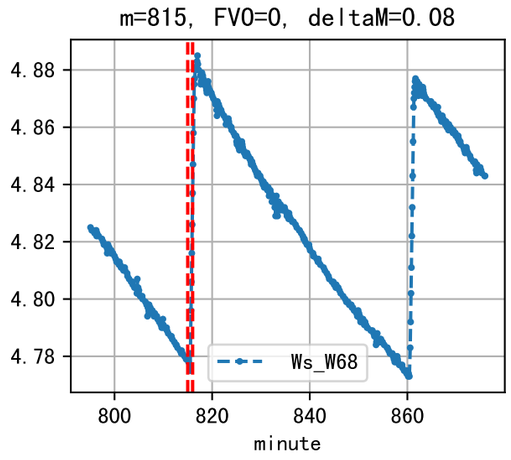

m=585, FVO=0, deltaM=0.08
Ws_W68
minute

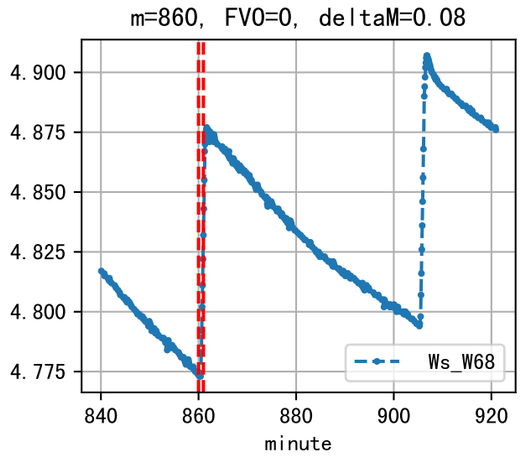

m=640, FVO=0, deltaM=0.08
Ws_W68
minute

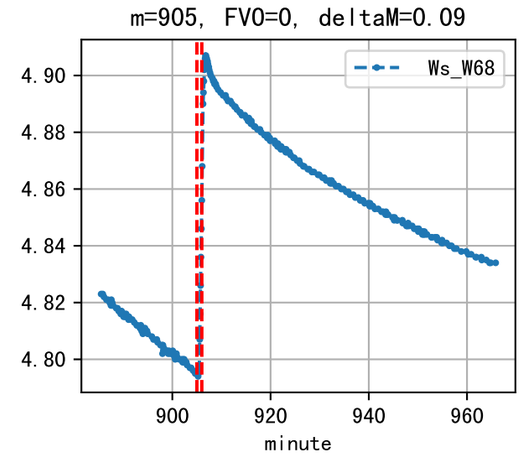

m=690, FVO=0, deltaM=0.08
Ws_W68
minute

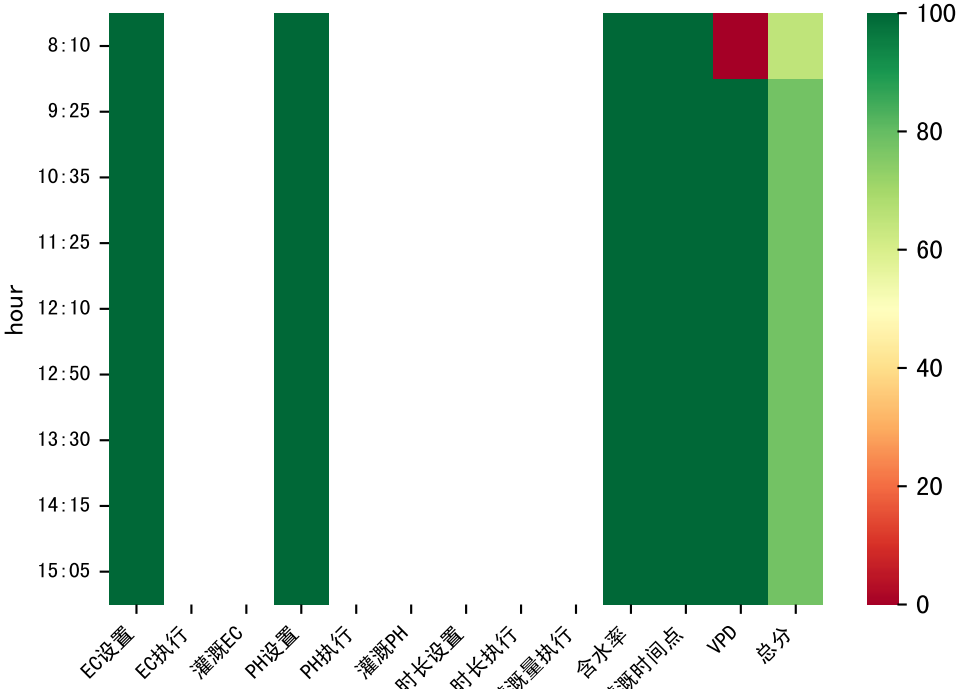

m=735, FVO=0, deltaM=0.08
Ws_W68
minute


m=775, FVO=0, deltaM=0.08
4.88
4.86
4.84
4.82
4.80
4.78
760
780
800
820
minute
Ws_W68


m=815, FVO=0, deltaM=0.08
4.88
4.86
4.84
4.82
4.80
4.78
800
820
840
860
minute
Ws_W68


m=860, FVO=0, deltaM=0.08
4.900
4.875
4.850
4.825
4.800
4.775
840
860
880
900
920
minute
Ws_W68

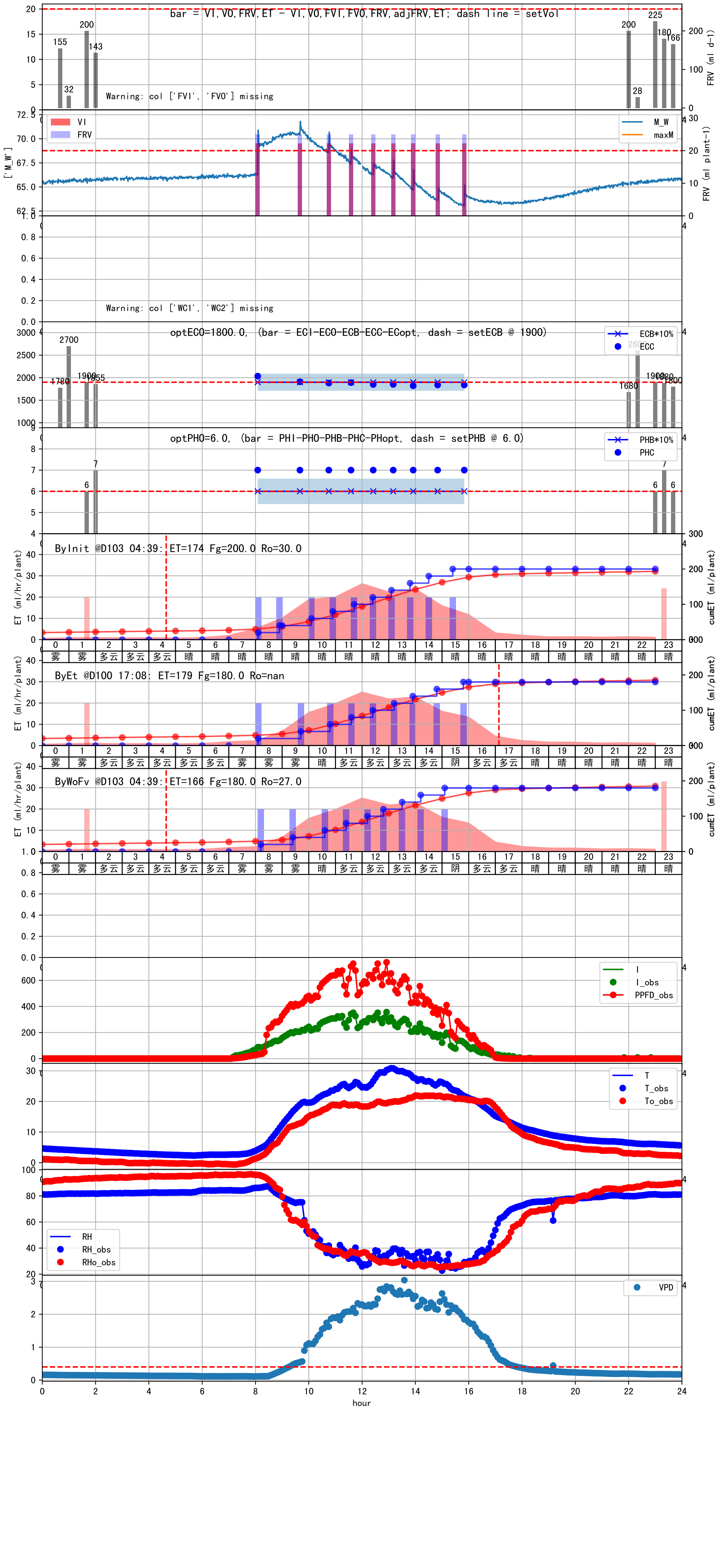

m=905, FVO=0, deltaM=0.09
4.90
4.88
4.86
4.84
4.82
4.80
900
920
940
960
minute
Ws_W68

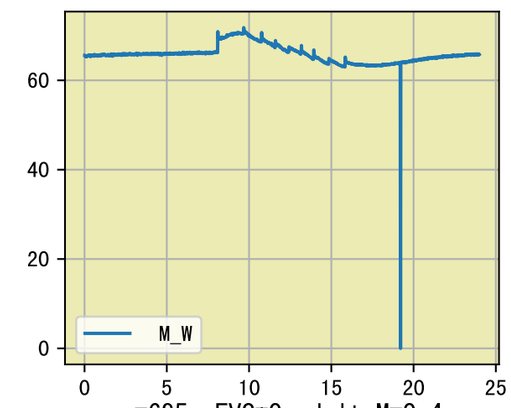

hour
8:10
9:25
10:35
11:25
12:10
12:50
13:30
14:15
15:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

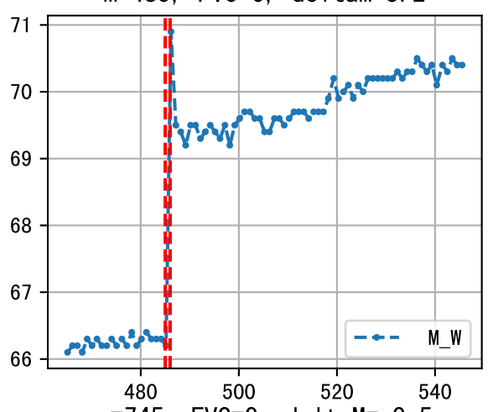
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	43	20.0	0.081	雾	假设@08:10 自动（未用传感器）
09:25	43	20.0	0.081	雾	假设@09:25 自动（未用传感器）
10:35	43	20.0	0.081	晴	假设@10:35 自动（未用传感器）
11:25	43	20.0	0.081	多云	假设@11:25 自动（未用传感器）
12:10	43	20.0	0.081	多云	假设@12:10 自动（未用传感器）
12:50	43	20.0	0.081	多云	假设@12:50 自动（未用传感器）
13:30	43	20.0	0.081	多云	假设@13:30 自动（未用传感器）
14:15	43	20.0	0.081	多云	假设@14:15 自动（未用传感器）
15:05	43	20.0	0.081	阴	假设@15:05 自动（未用传感器）
总计	387.0 (9次)	180.0			建议进液EC：1900， PH：6.0

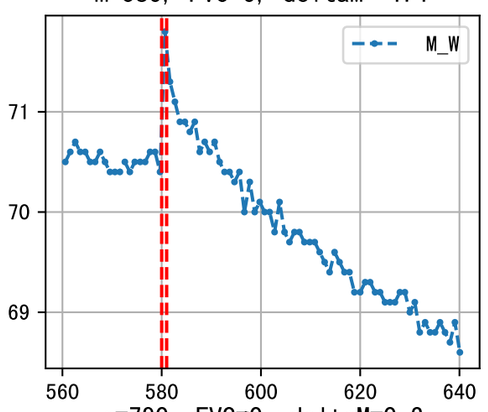
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

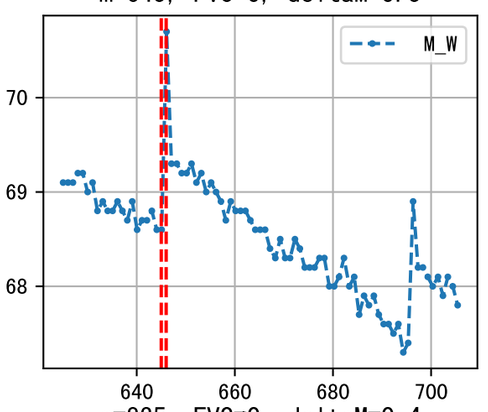
L1A4_4, Day=100 (2026-01-14)

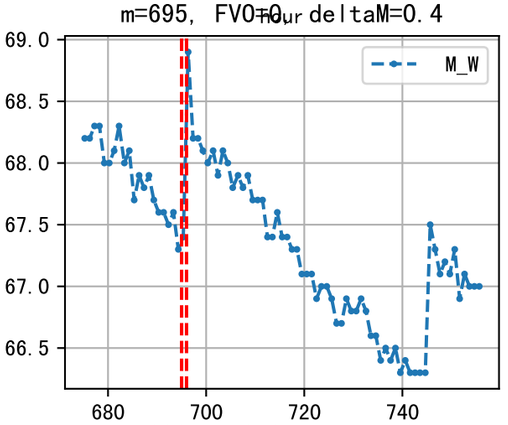


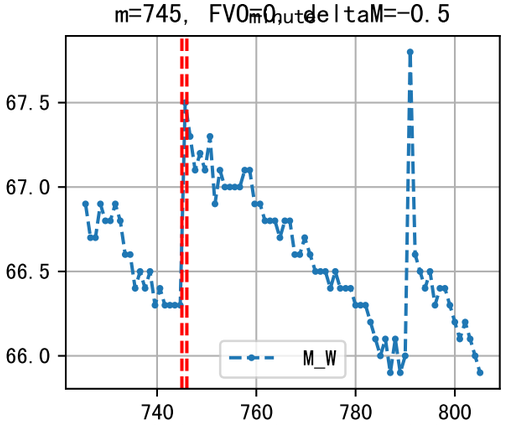

M_W

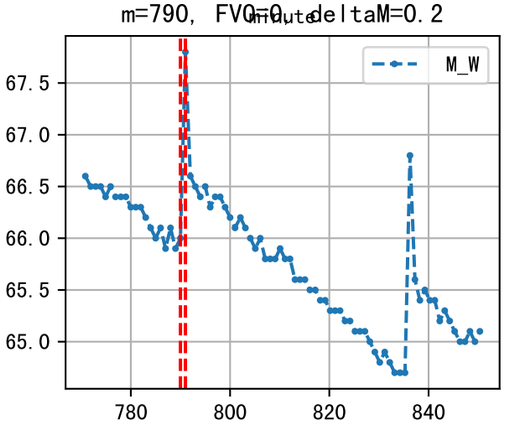

m=485, FVO=0, deltaM=3.2
M_W

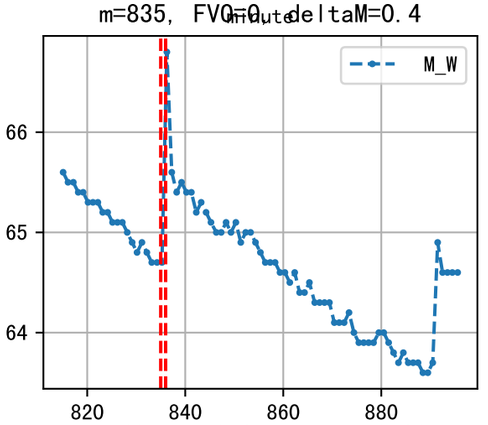

m=580, FVO=0, deltaM=-1.1
M_W

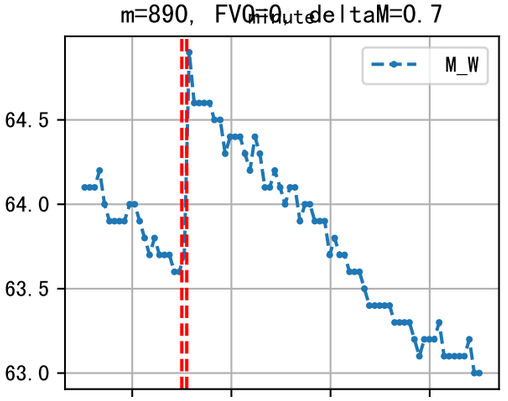

m=645, FVO=0, deltaM=0.5
M_W

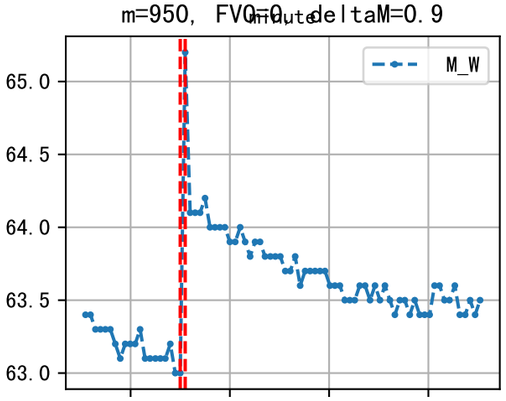

m=695, FVO=0, deltaM=0.4
hour
M_W

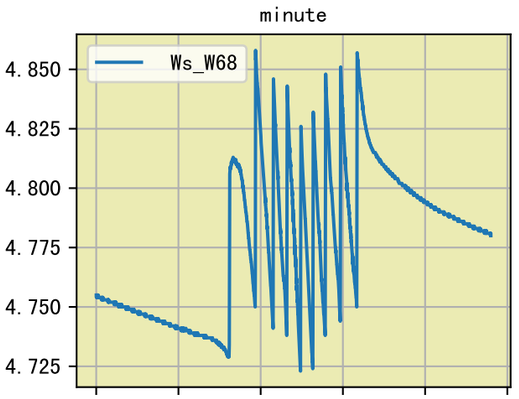

m=745, FVO=0, deltaM=-0.5
minute
M_W


m=790, FVO=0, deltaM=0.2
minute
M_W


m=835, FVO=0, deltaM=0.4
minute
M_W


m=890, FVO=0, deltaM=0.7
minute
M_W

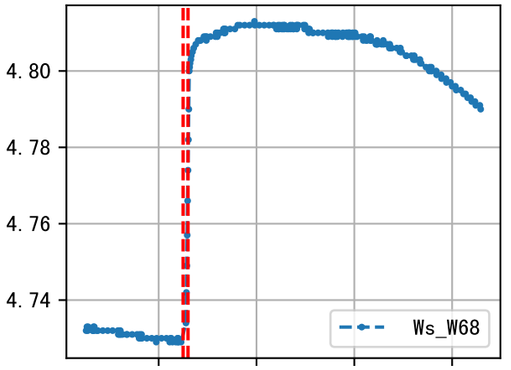

m=950, FVO=0, deltaM=0.9
minute
M_W

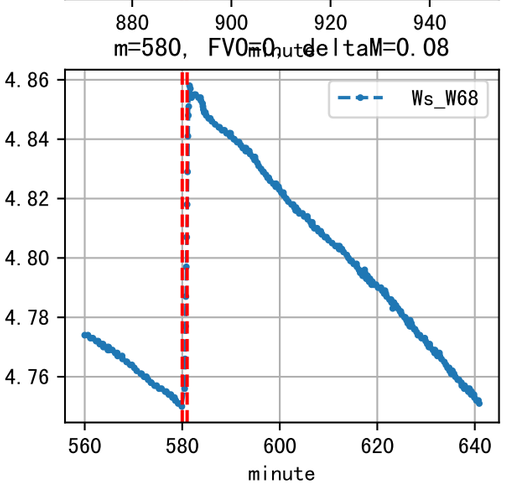

m=485, FVO=0, deltaM=0.08
minute
Ws_W68

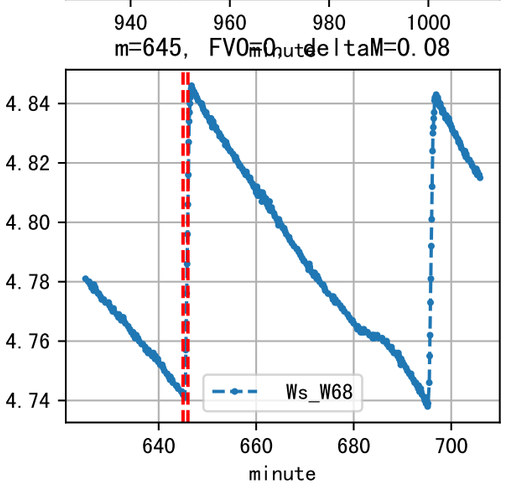
m=580, FVO=0, deltaM=0.08
minute
Ws_W68

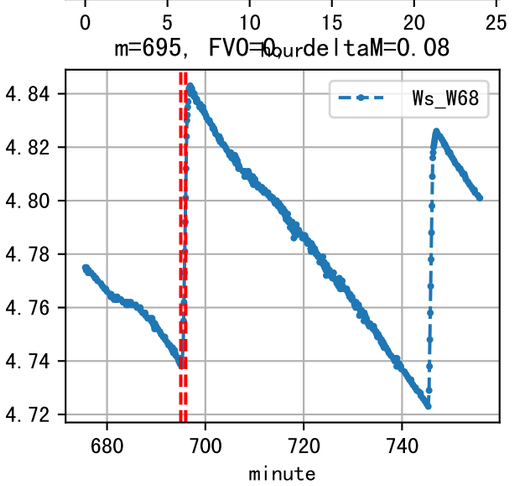
m=645, FVO=0, deltaM=0.08
minute
Ws_W68

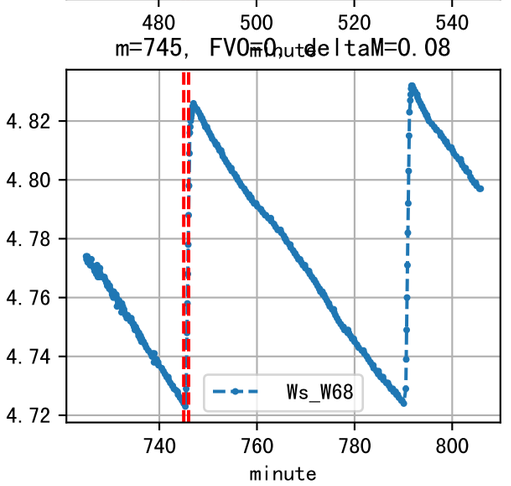
m=695, FVO=0, deltaM=0.08
hour
Ws_W68

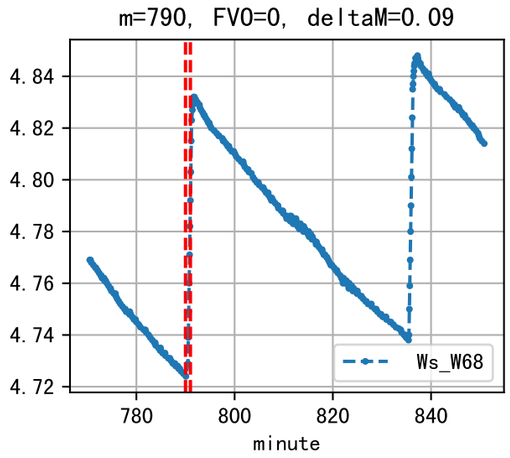

m=745, FVO=0, deltaM=0.08
minute
Ws_W68

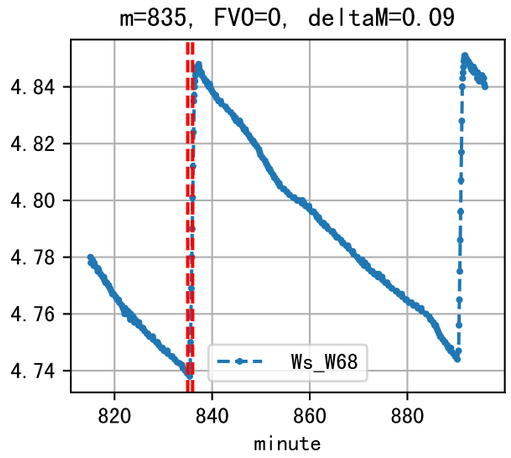

Ws_W68
minute

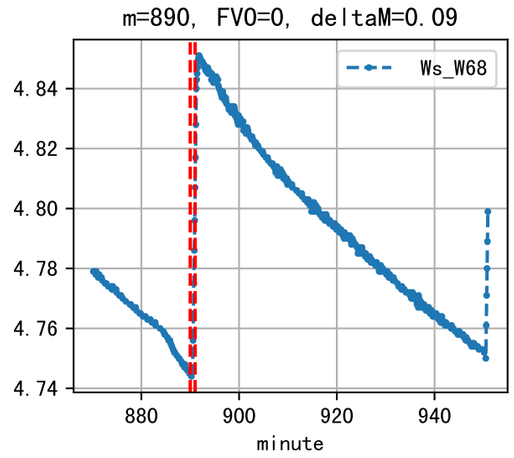

Ws_W68
minute

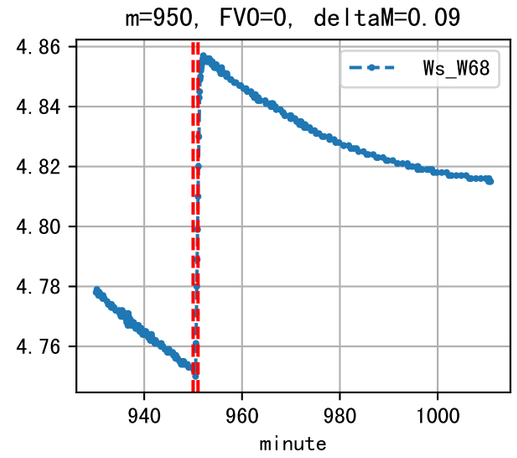

Ws_W68
minute

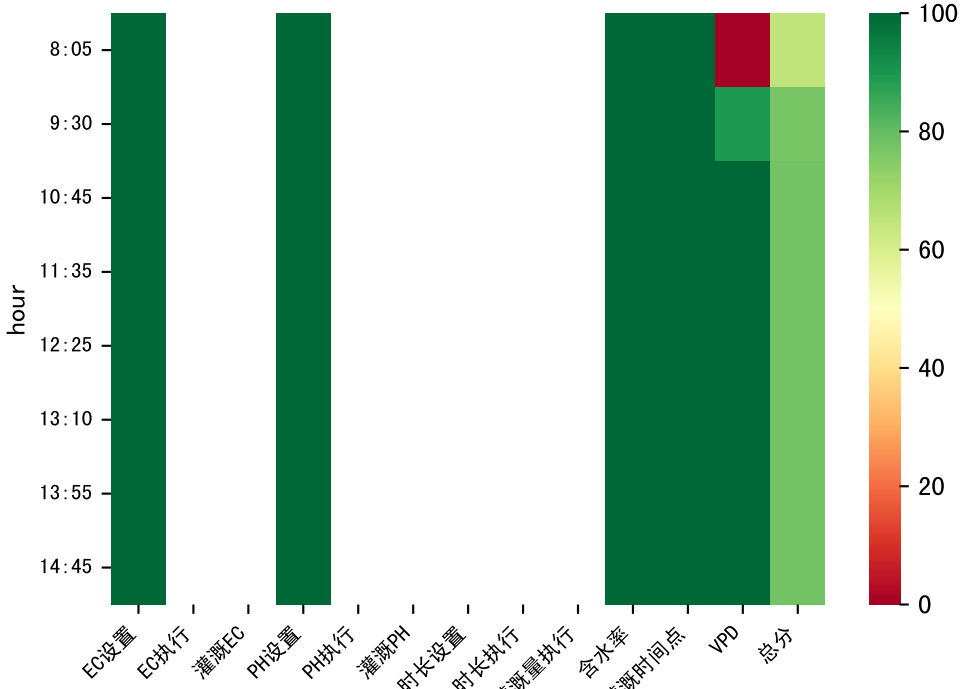

Ws_W68
minute


m=790, FVO=0, deltaM=0.09
4.84
4.82
4.80
4.78
4.76
4.74
4.72
780
800
820
840
minute
Ws_W68


m=835, FVO=0, deltaM=0.09
4.84
4.82
4.80
4.78
4.76
4.74
820
840
860
880
minute
Ws_W68


m=890, FVO=0, deltaM=0.09
4.84
4.82
4.80
4.78
4.76
4.74
880
900
920
940
minute
Ws_W68

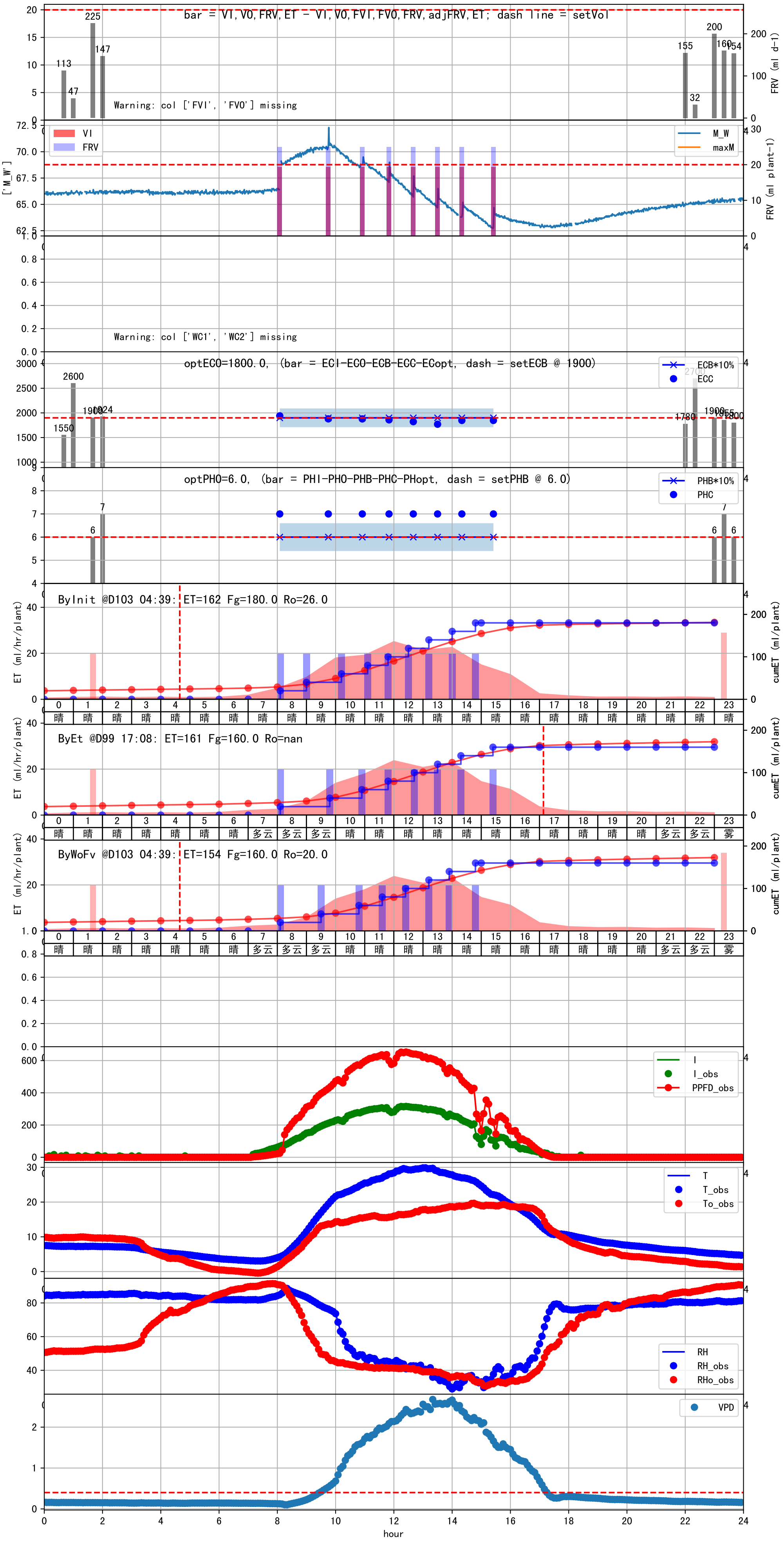

m=950, FVO=0, deltaM=0.09
4.86
4.84
4.82
4.80
4.78
4.76
940
960
980
1000
minute
Ws_W68

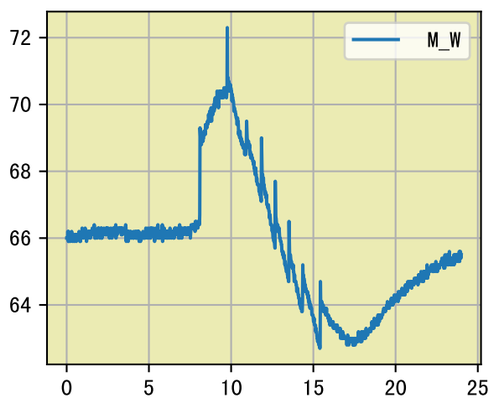

hour
8:05
9:30
10:45
11:35
12:25
13:10
13:55
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

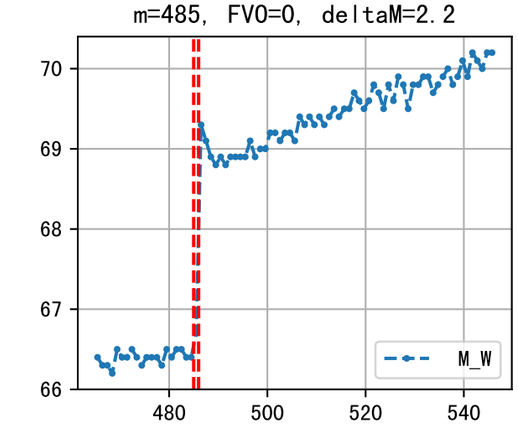
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	43	20.0	0.081	多云	假设@08:05 自动（未用传感器）
09:30	43	20.0	0.081	多云	假设@09:30 自动（未用传感器）
10:45	43	20.0	0.081	晴	假设@10:45 自动（未用传感器）
11:35	43	20.0	0.081	晴	假设@11:35 自动（未用传感器）
12:25	43	20.0	0.081	晴	假设@12:25 自动（未用传感器）
13:10	43	20.0	0.081	晴	假设@13:10 自动（未用传感器）
13:55	43	20.0	0.081	晴	假设@13:55 自动（未用传感器）
14:45	43	20.0	0.081	晴	假设@14:45 自动（未用传感器）
总计	344.0 (8次)	160.0			建议进液EC：1900， PH：6.0

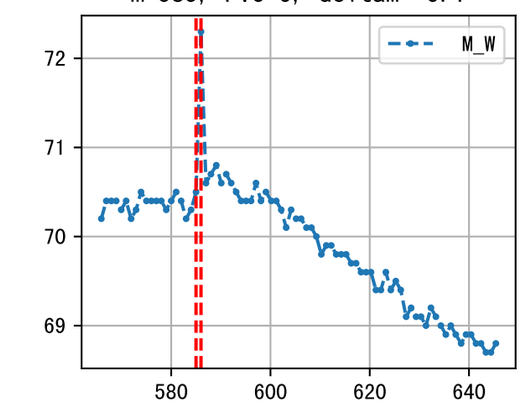
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

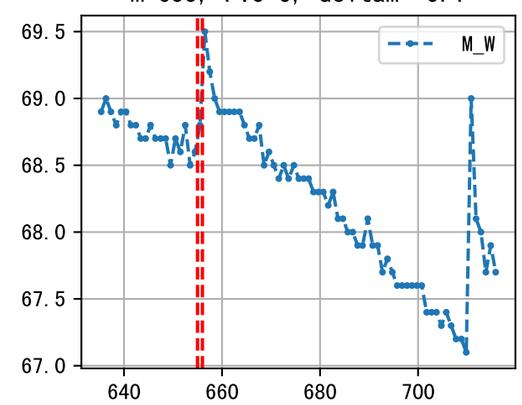
L1A4_4, Day=99 (2026-01-13)

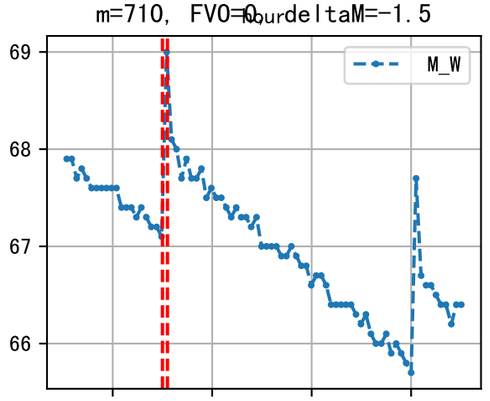


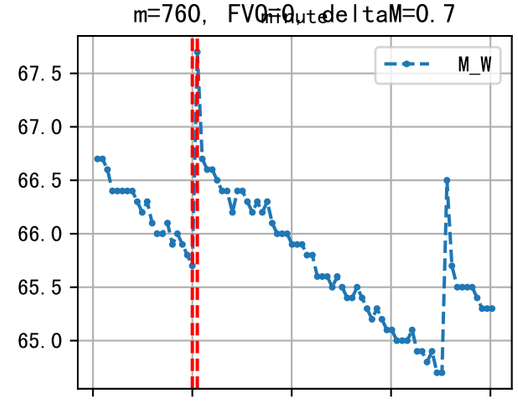

M_W

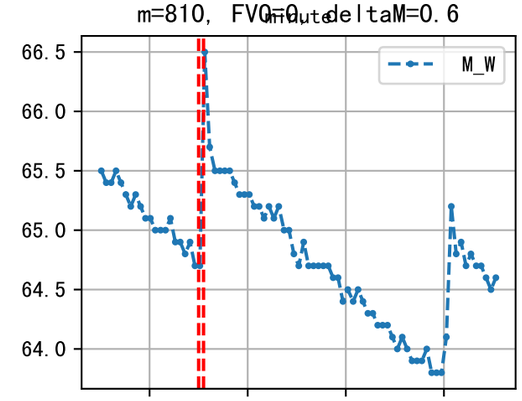

m=485, FVO=0, deltaM=2.2
M_W

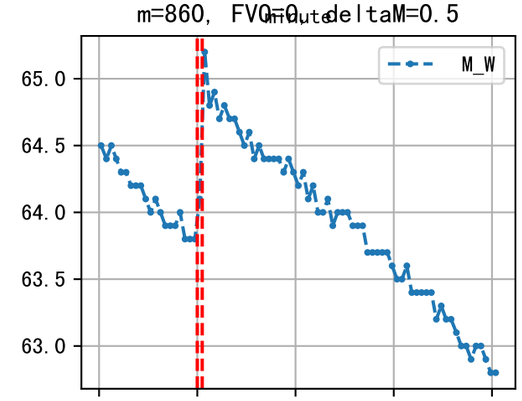

m=585, FVO=0, deltaM=-0.1
M_W

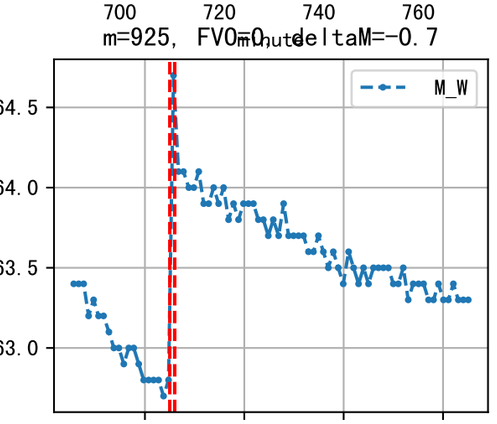

m=655, FVO=0, deltaM=-0.1
M_W

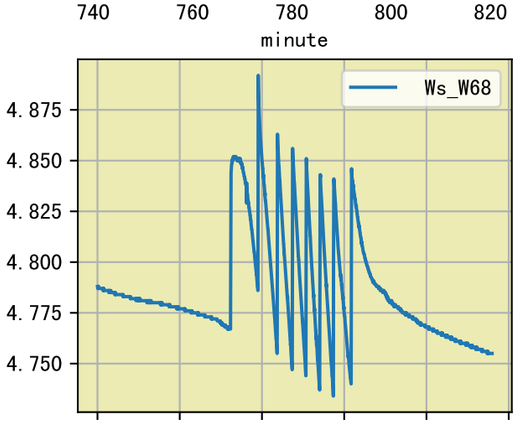

m=710, FVO=0, deltaM=-1.5
hour
M_W

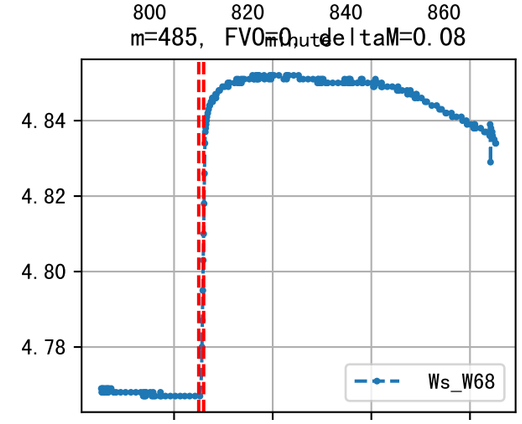

m=760, FVO=0, deltaM=0.7
minute
M_W

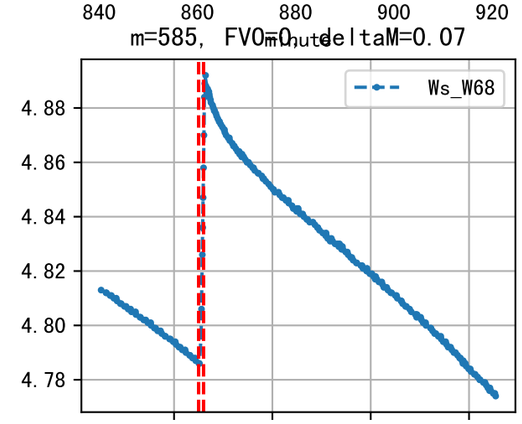

m=810, FVO=0, deltaM=0.6
minute
M_W


m=860, FVO=0, deltaM=0.5
minute
M_W


m=925, FVO=0, deltaM=-0.7
minute
M_W


minute


m=485, FVO=0, deltaM=0.08
minute

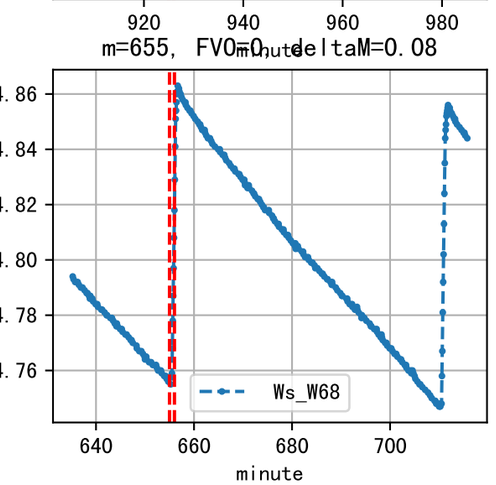

m=585, FVO=0, deltaM=0.07
minute

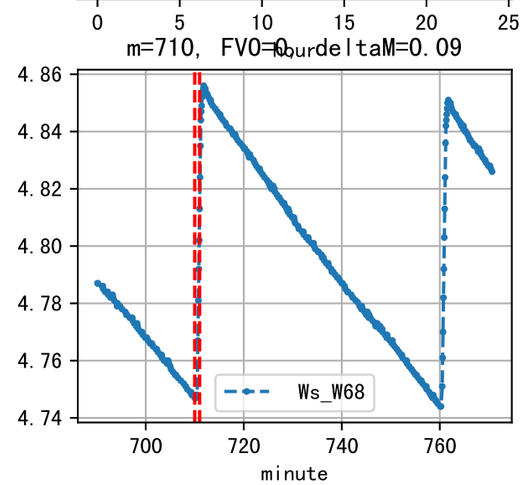
M_W

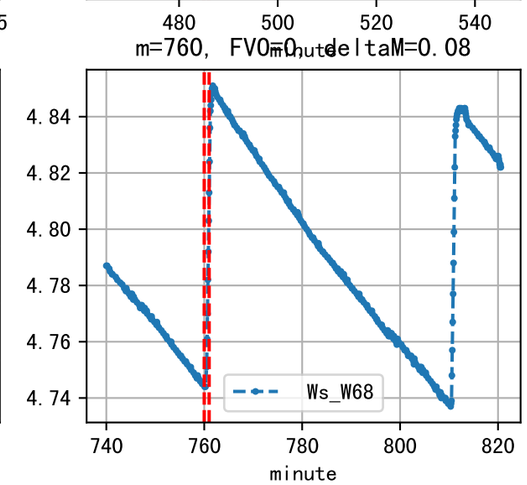
Ws_W68

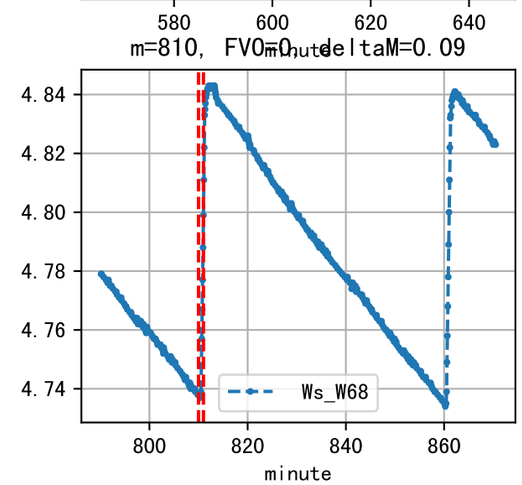
Ws_W68

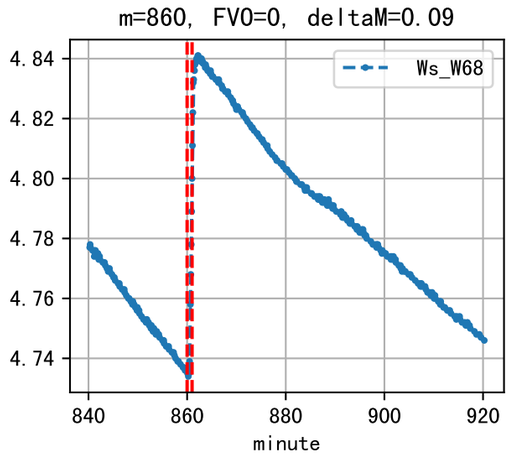
Ws_W68

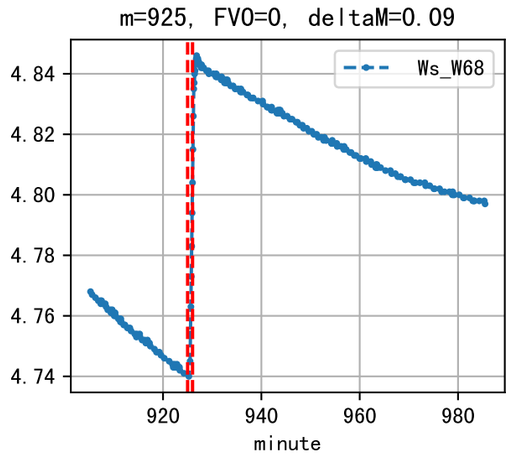

m=655, FVO=0, deltaM=0.08
minute
Ws_W68


m=710, FVO=0, deltaM=0.09
hour
Ws_W68


m=760, FVO=0, deltaM=0.08
minute
Ws_W68


m=810, FVO=0, deltaM=0.09
minute
Ws_W68


m=860, FV0=0, deltaM=0.09
Ws_W68
4.84
4.82
4.80
4.78
4.76
4.74
840
860
880
900
920
minute


m=925, FV0=0, deltaM=0.09
Ws_W68
4.84
4.82
4.80
4.78
4.76
4.74
920
940
960
980
minute