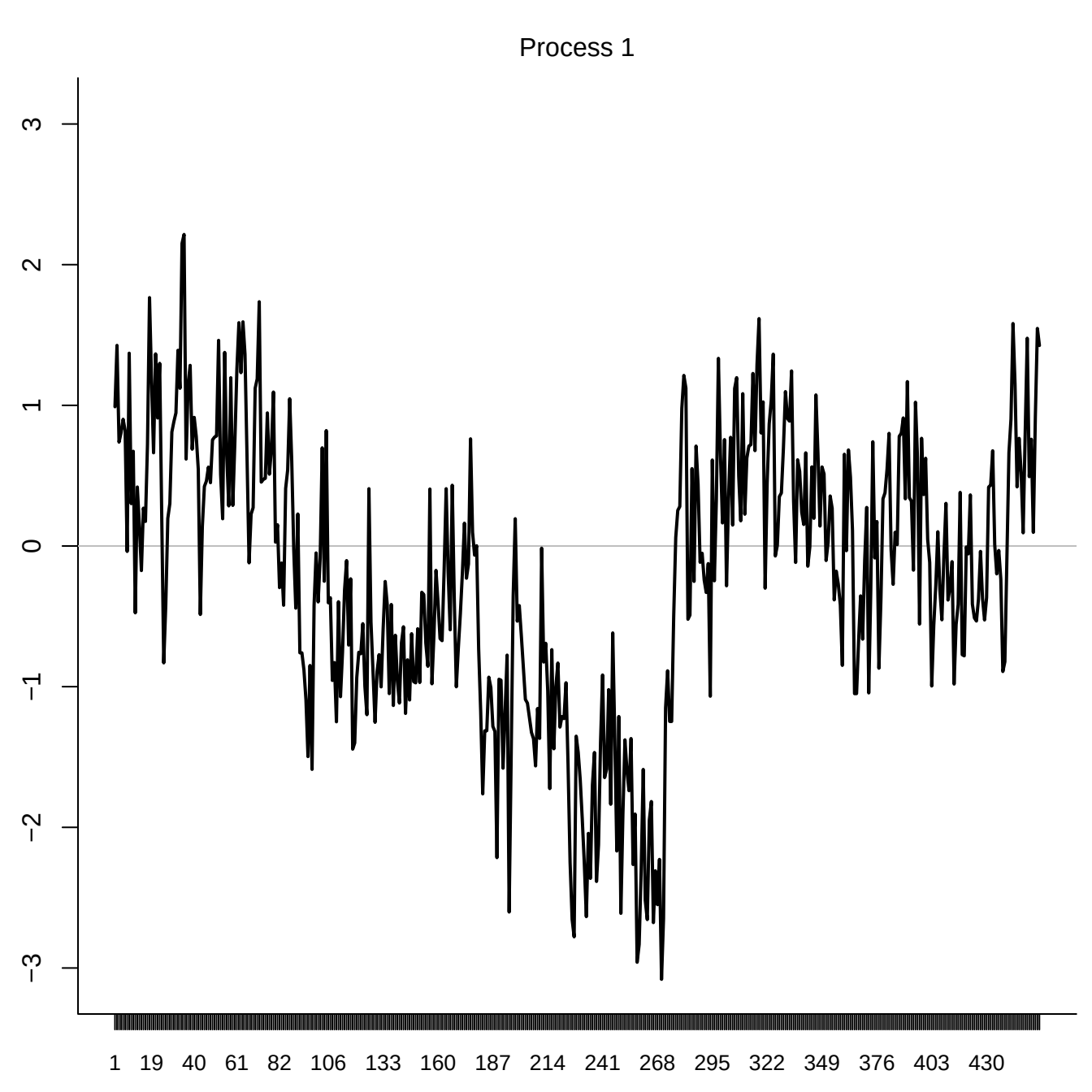
Process 1
3
2
1
0
−1
−2
−3
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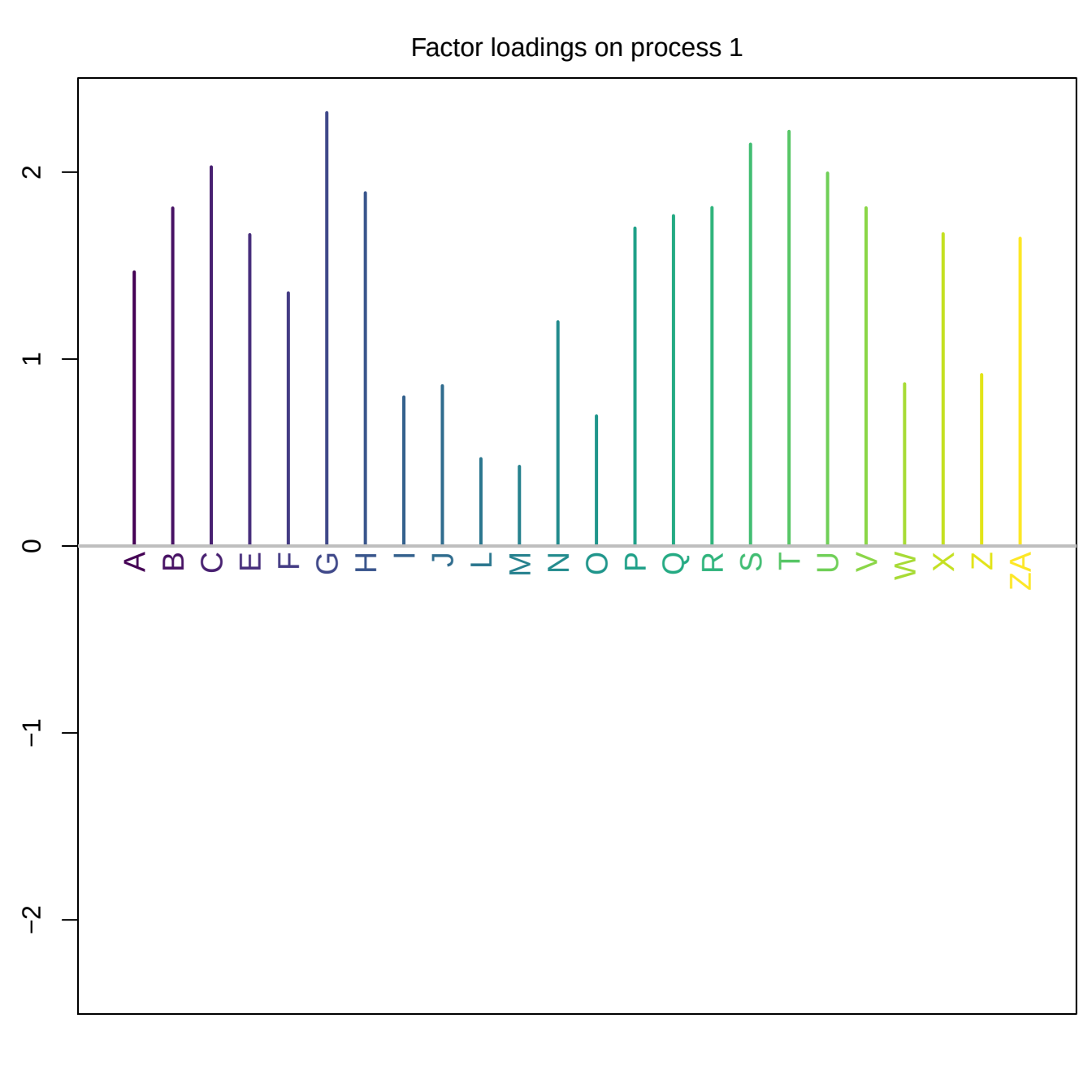
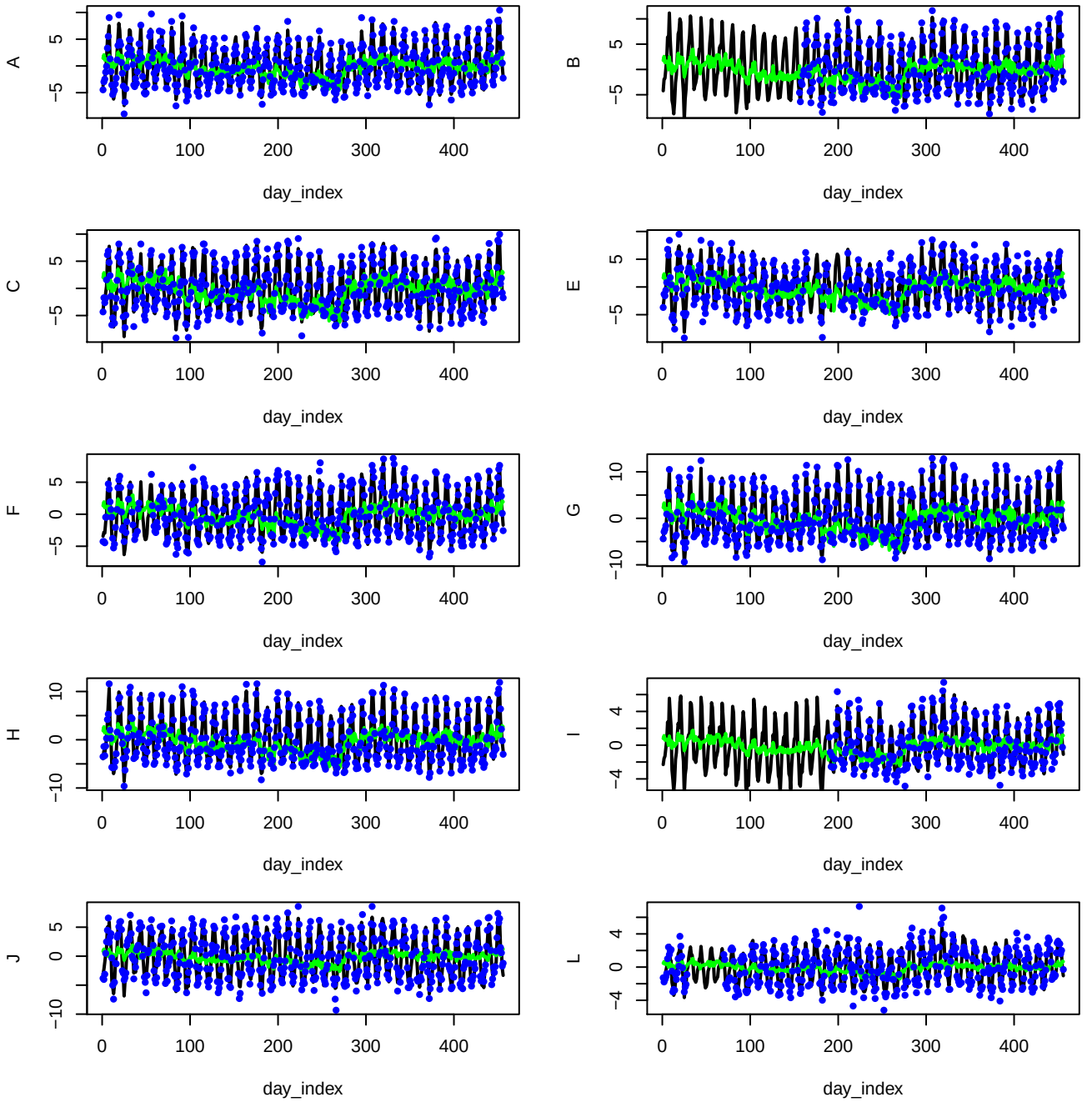
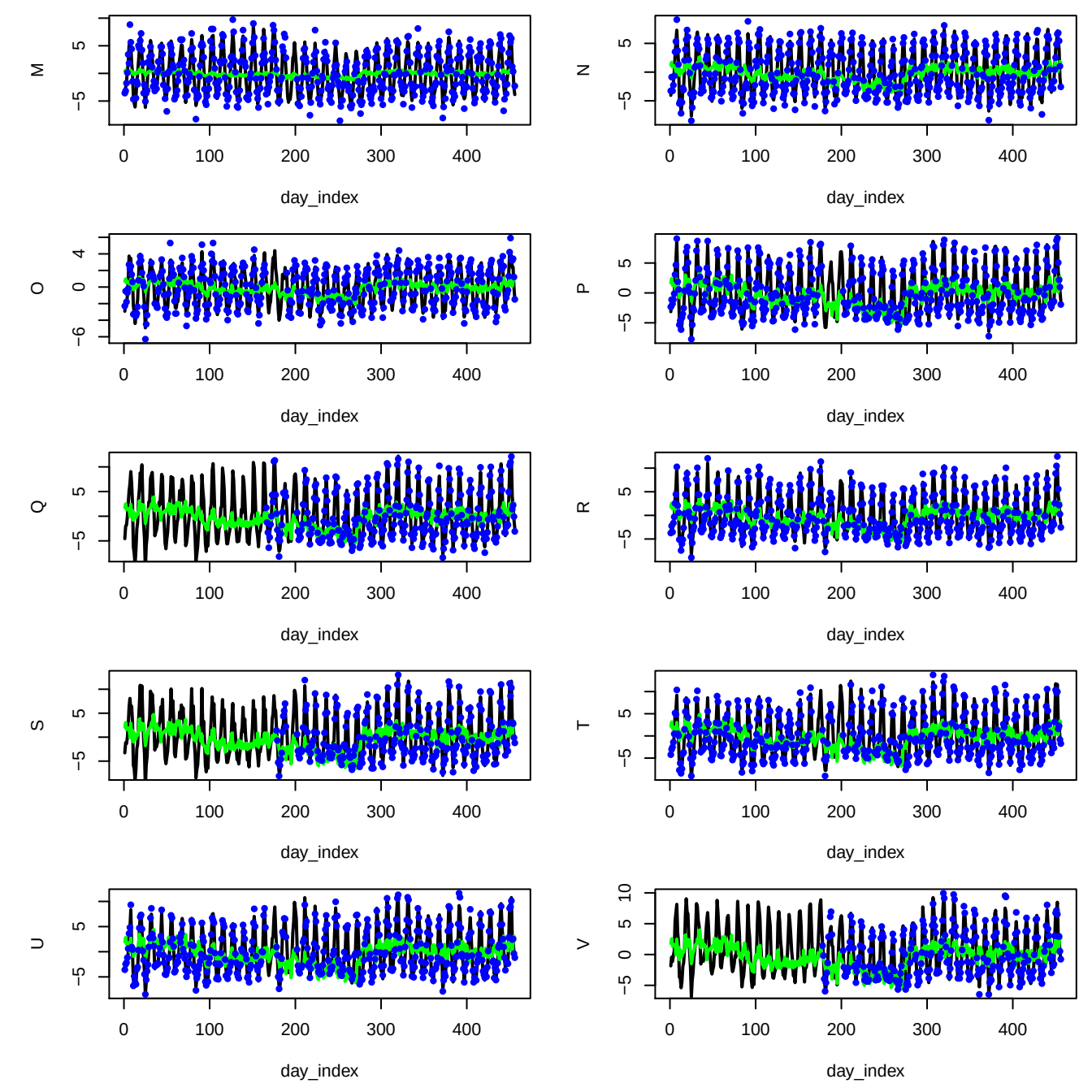
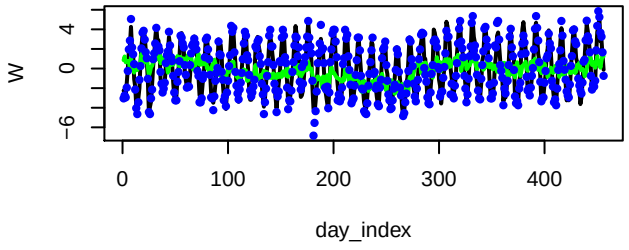
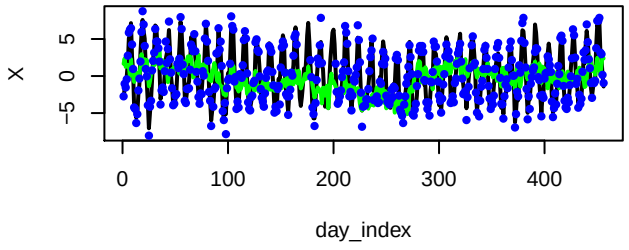
40
61
82
106
133
160
187
214
241
268
295
322
349
376
403
430

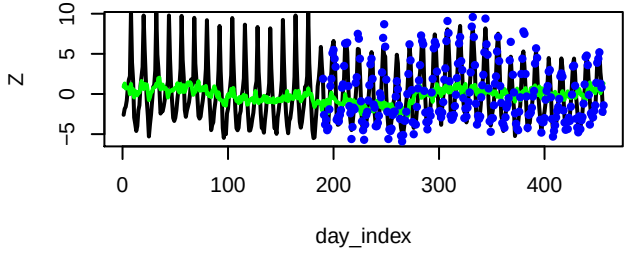

Factor loadings on process 1
2
1
0
−1
−2
A
B
C
E
F
G
H
I
J
L
M
N
O
P
Q
R
S
T
U
V
W
X
Z
ZA

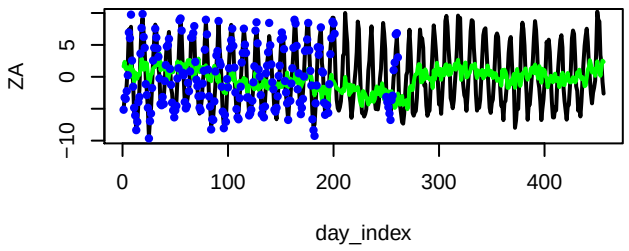

A
B
C
E
F
G
H
I
J
L
day_index
0
100
200
300
400
−5
0
5
−10
10
−4
4

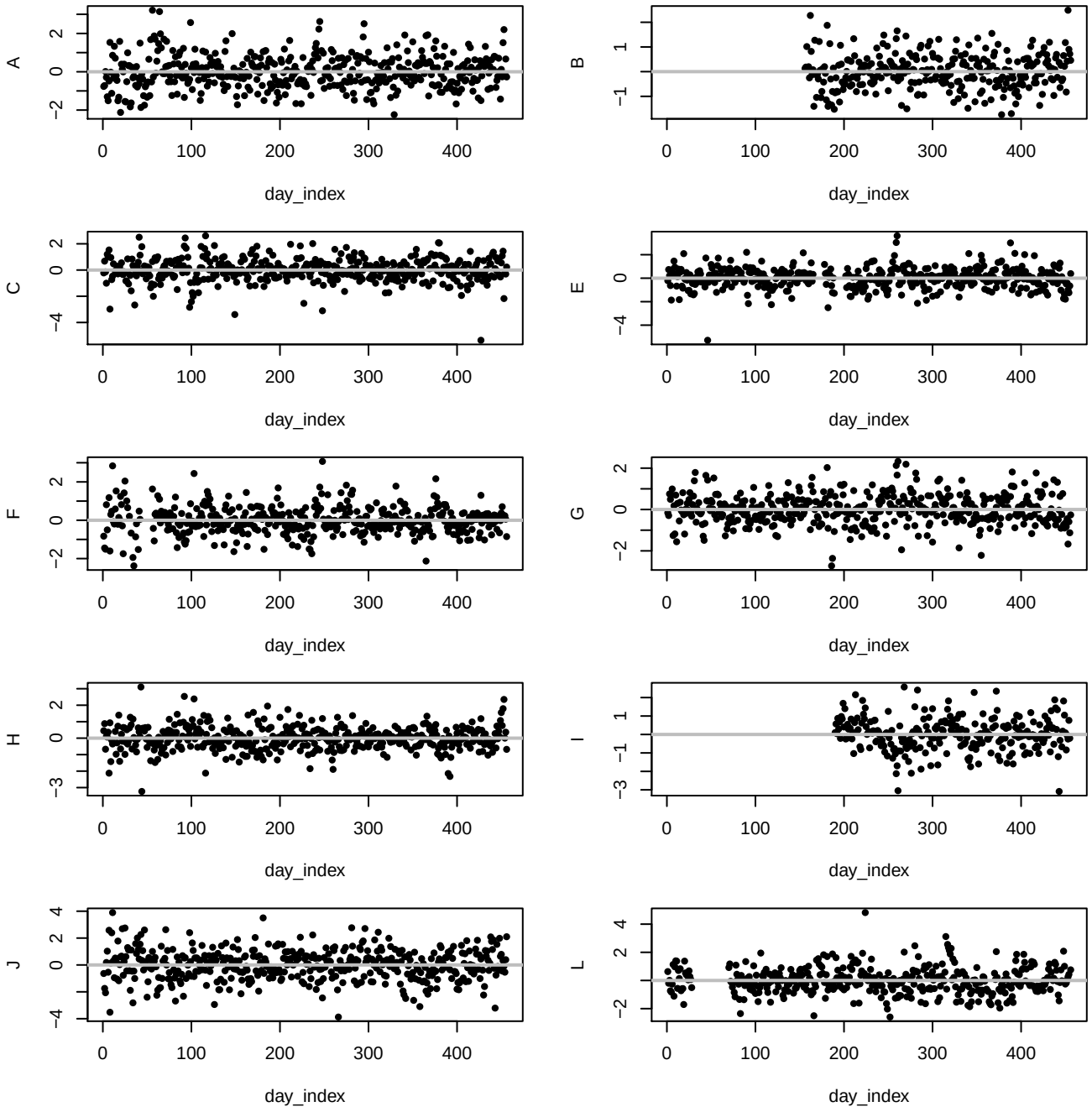

M
N
O
P
Q
R
S
T
U
V
day_index
0
100
200
300
400

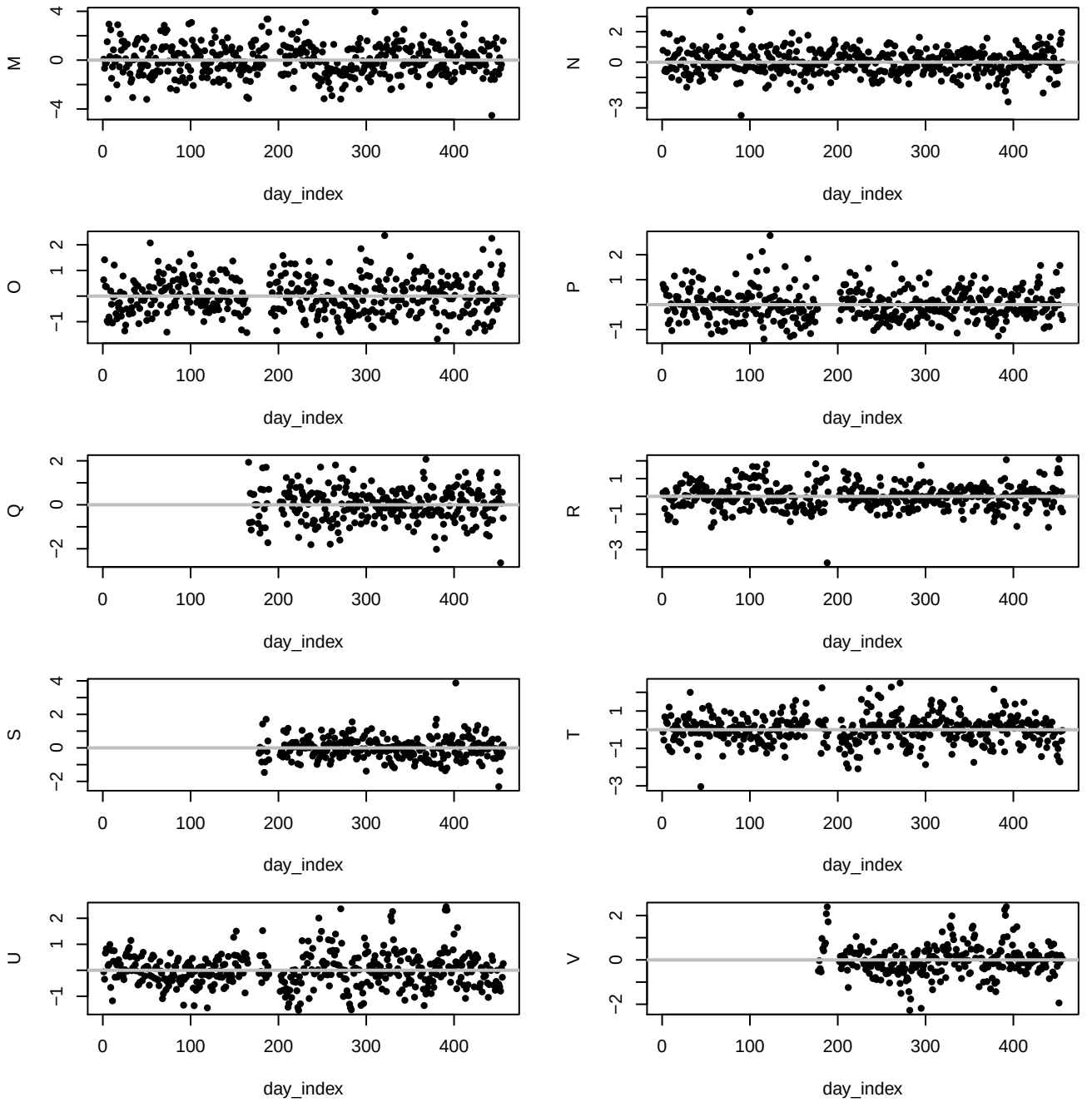

W
4
0
−6
0
100
200
300
400
day_index

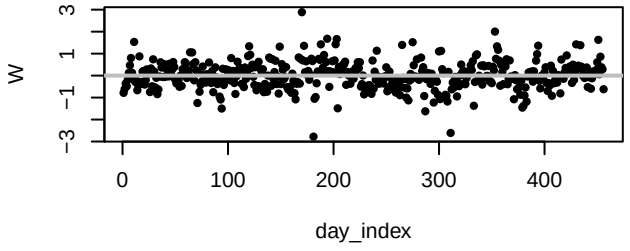

X
5
0
−5
0
100
200
300
400
day_index

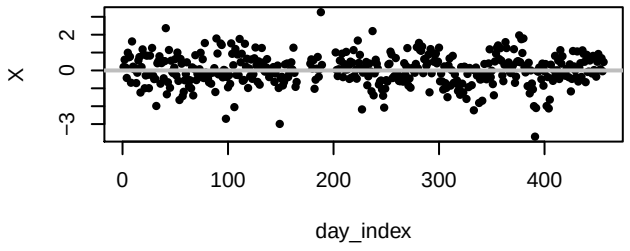

Z
10
5
0
−5
0
100
200
300
400
day_index

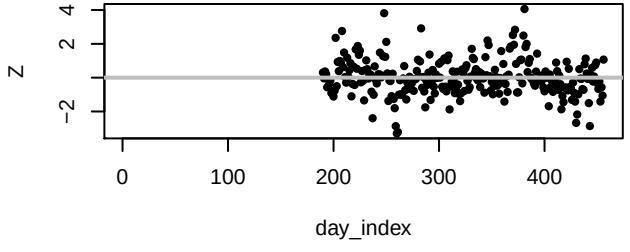

ZA
5
0
−10
0
100
200
300
400
day_index

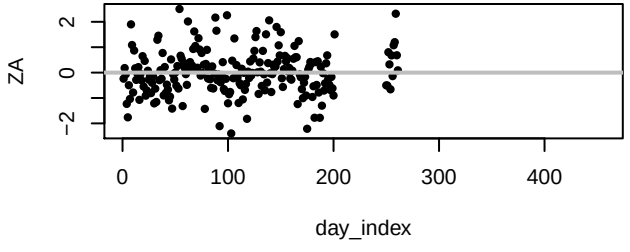

A
B
C
E
F
G
H
I
J
L
day_index
0
100
200
300
400

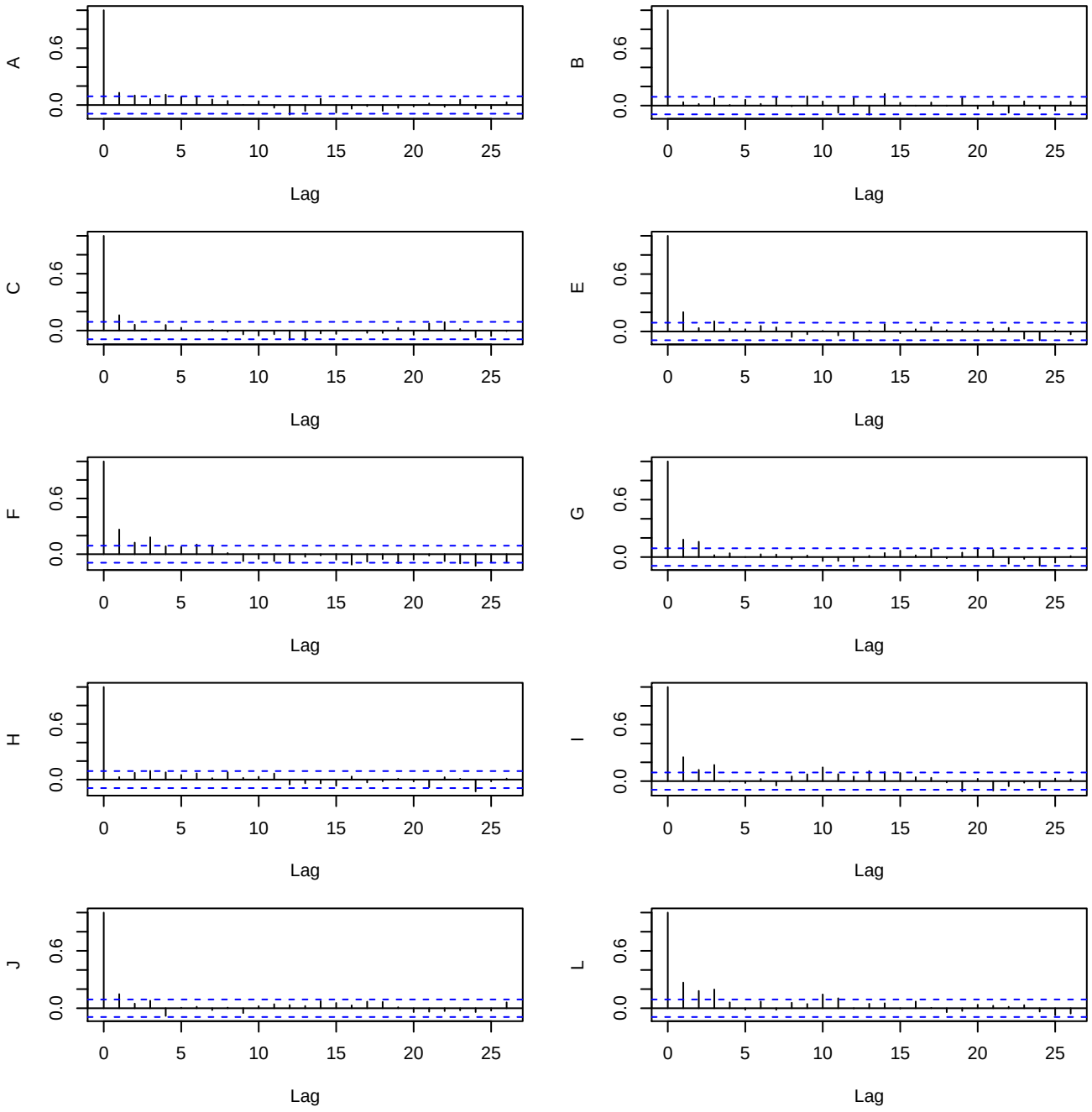

M
N
O
P
Q
R
S
T
U
V
day_index

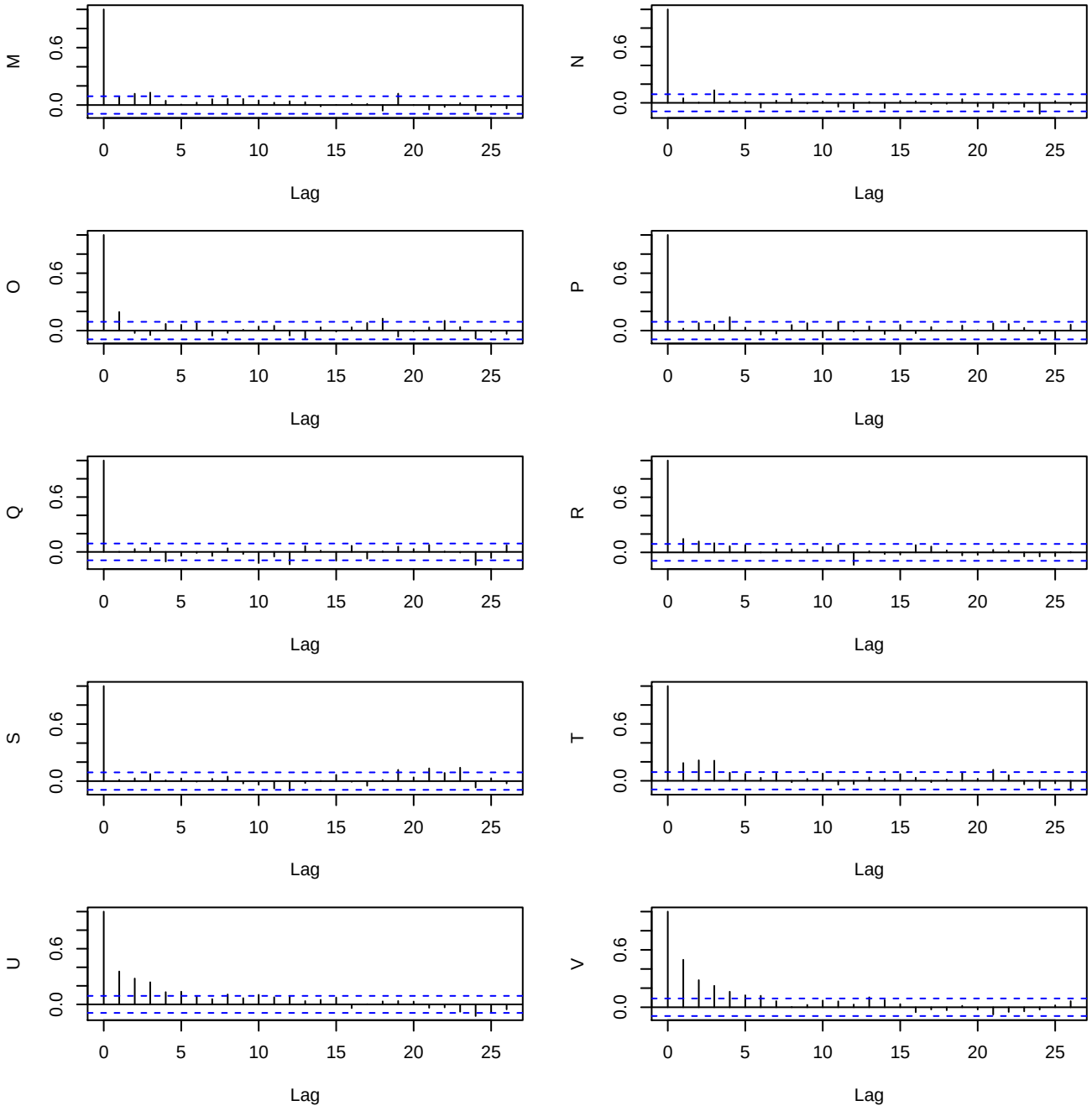

W
3
1
−1
−3
0
100
200
300
400
day_index

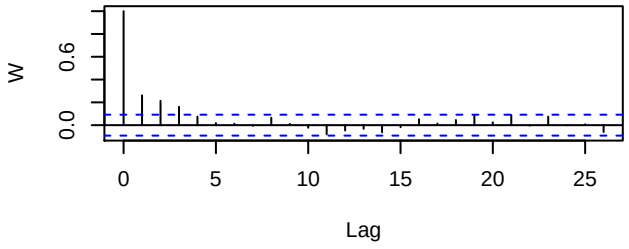

X
2
0
−3
0
100
200
300
400
day_index

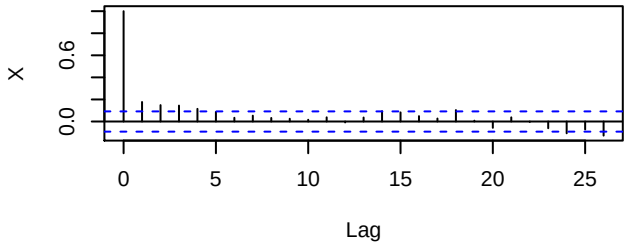

Z
4
2
−2
0
100
200
300
400
day_index

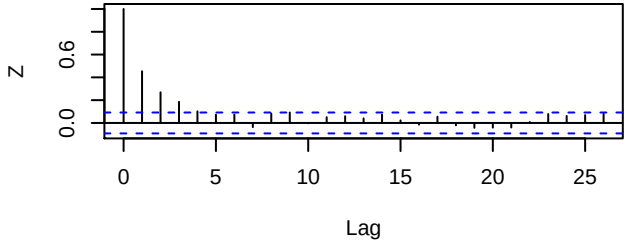

ZA
2
0
−2
0
100
200
300
400
day_index

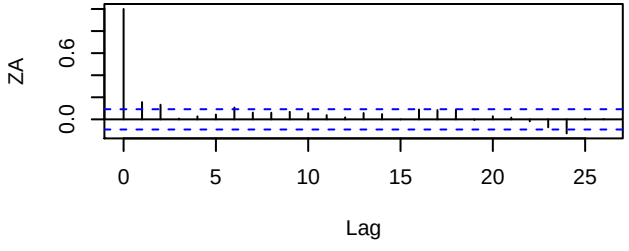

A
B
C
E
F
G
H
I
J
L
0.0
0.6
0
5
10
15
20
25
Lag

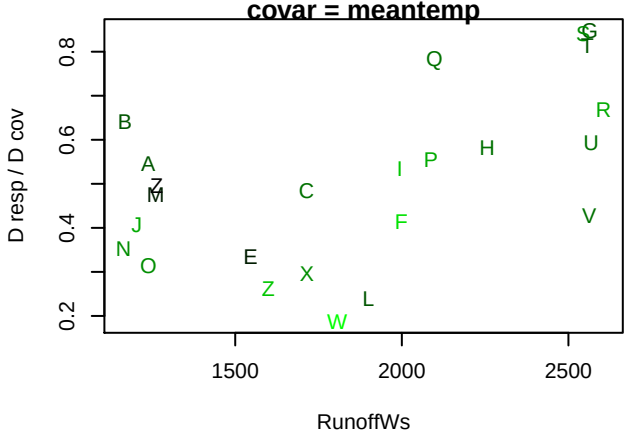

M
N
O
P
Q
R
S
T
U
V
0.0
0.6
0
5
10
15
20
25
Lag

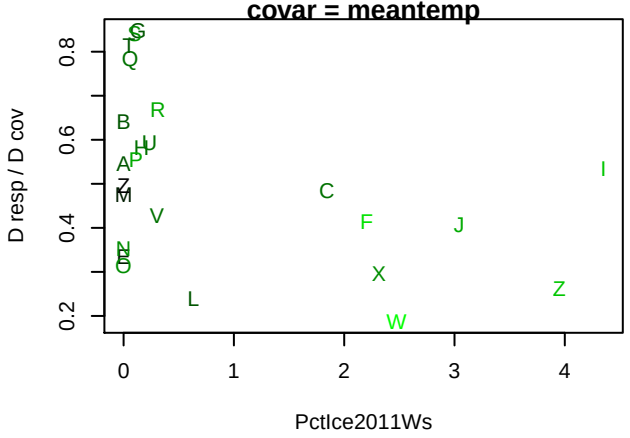

W
0.0
0.6
0
5
10
15
20
25
Lag

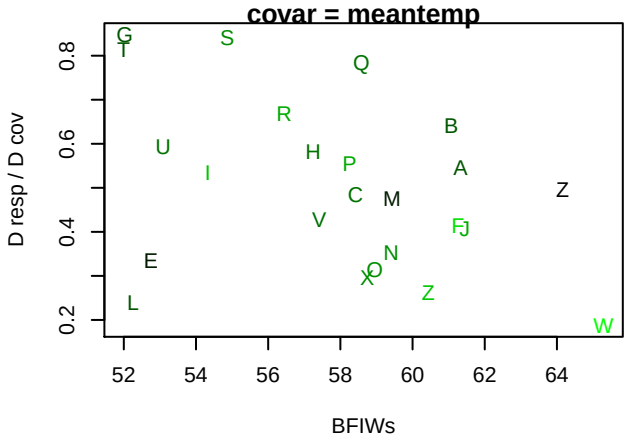

X
0.0
0.6
0
5
10
15
20
25
Lag

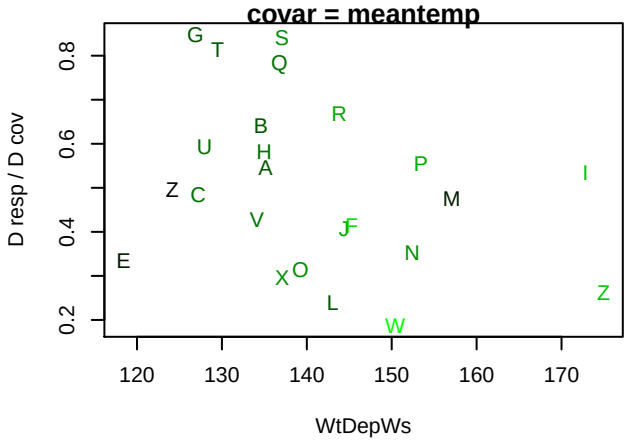

Z
0.0
0.6
0
5
10
15
20
25
Lag

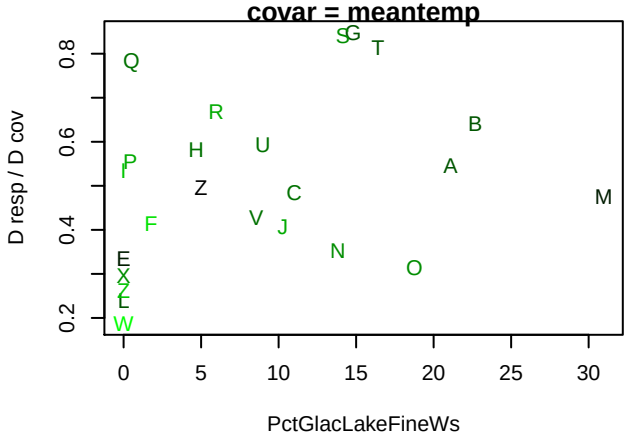

ZA
0.0
0.6
0
5
10
15
20
25
Lag

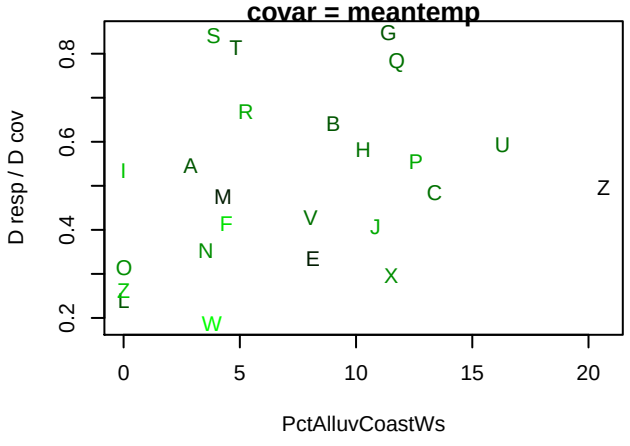

covar = meantemp
D resp / D cov
RunoffWs
0.2
0.4
0.6
0.8
1500
2000
2500

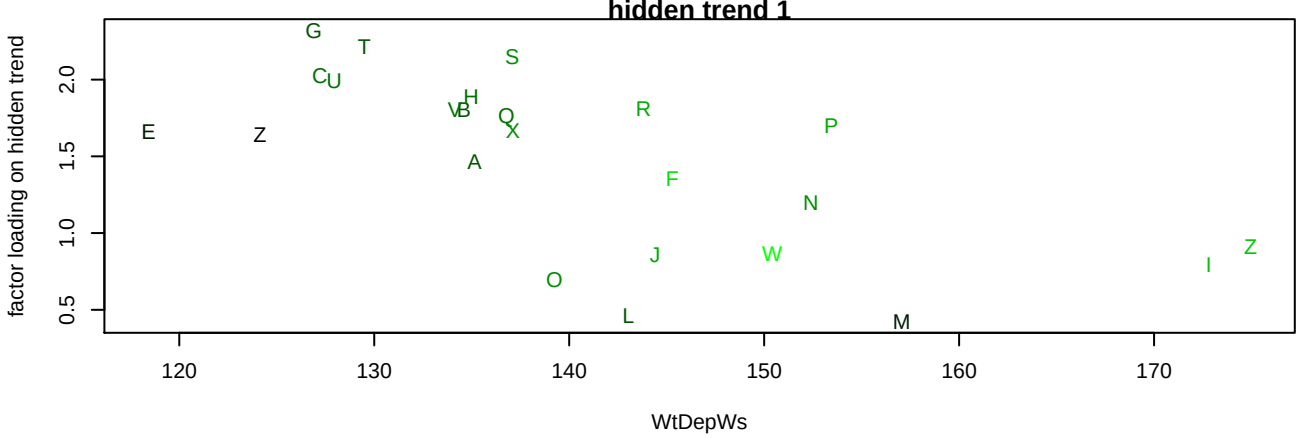

covar = meantemp
D resp / D cov
PctIce2011Ws
0.2
0.4
0.6
0.8
0
1
2
3
4

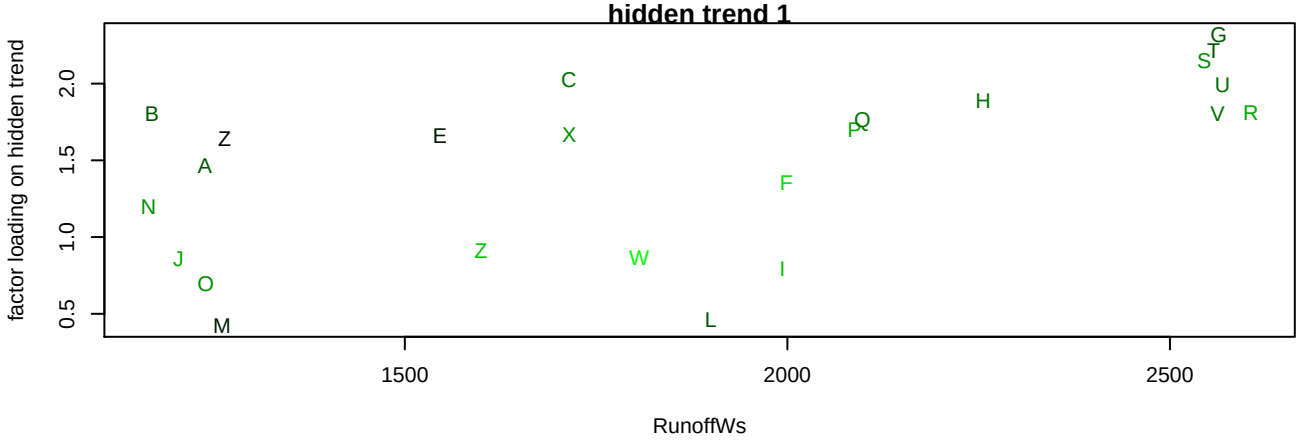

covar = meantemp
D resp / D cov
BFIWs
0.2
0.4
0.6
0.8
52
54
56
58
60
62
64

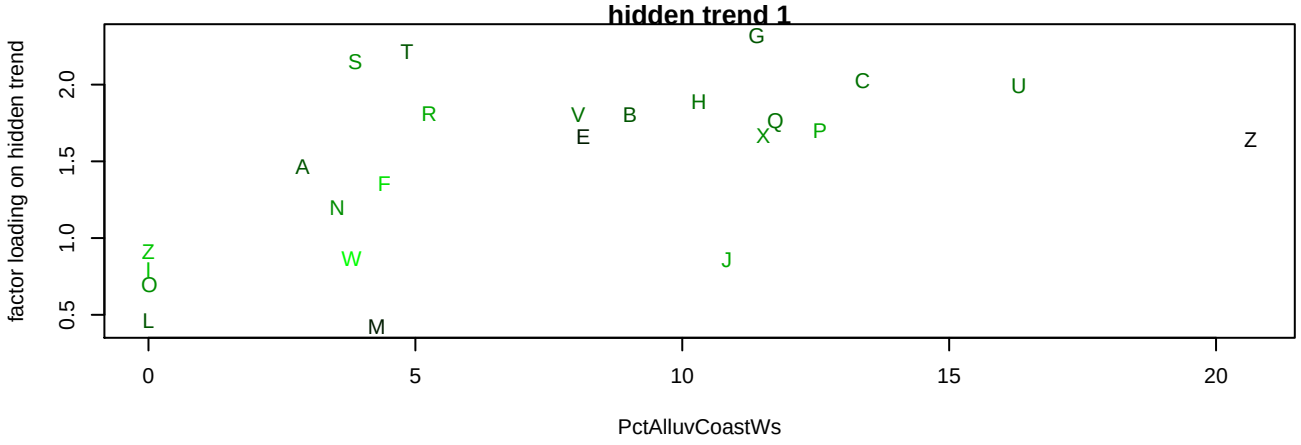

covar = meantemp
D resp / D cov
WtDepWs
0.2
0.4
0.6
0.8
120
130
140
150
160
170

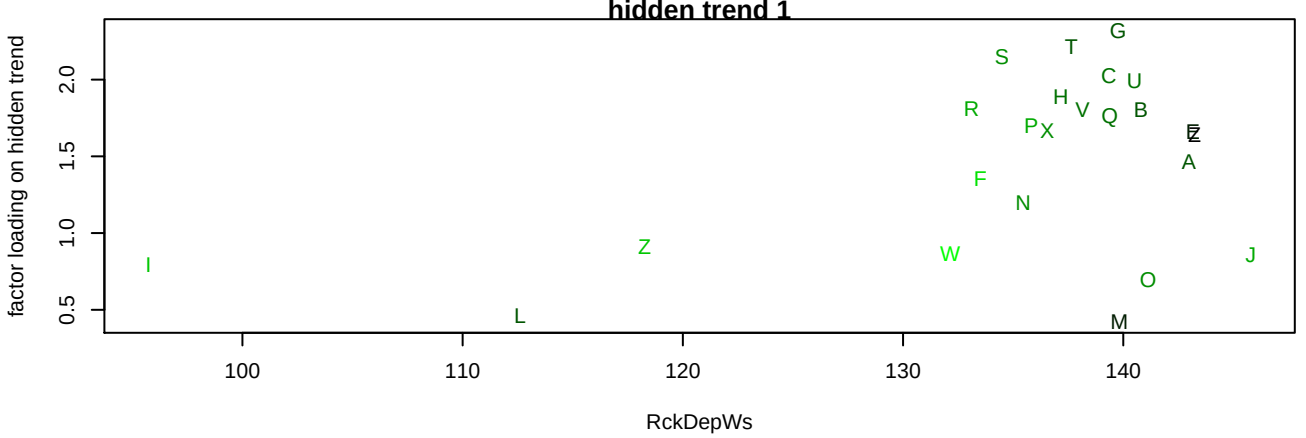

covar = meantemp
D resp / D cov
PctGlacLakeFineWs
0.2
0.4
0.6
0.8
0
5
10
15
20
25
30

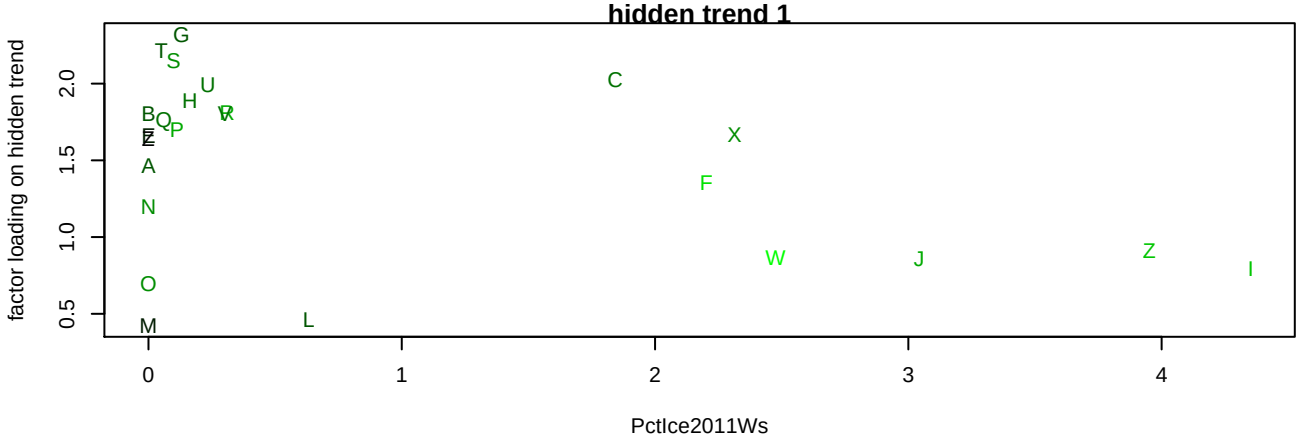

covar = meantemp
D resp / D cov
PctAlluvCoastWs
0.2
0.4
0.6
0.8
0
5
10
15
20

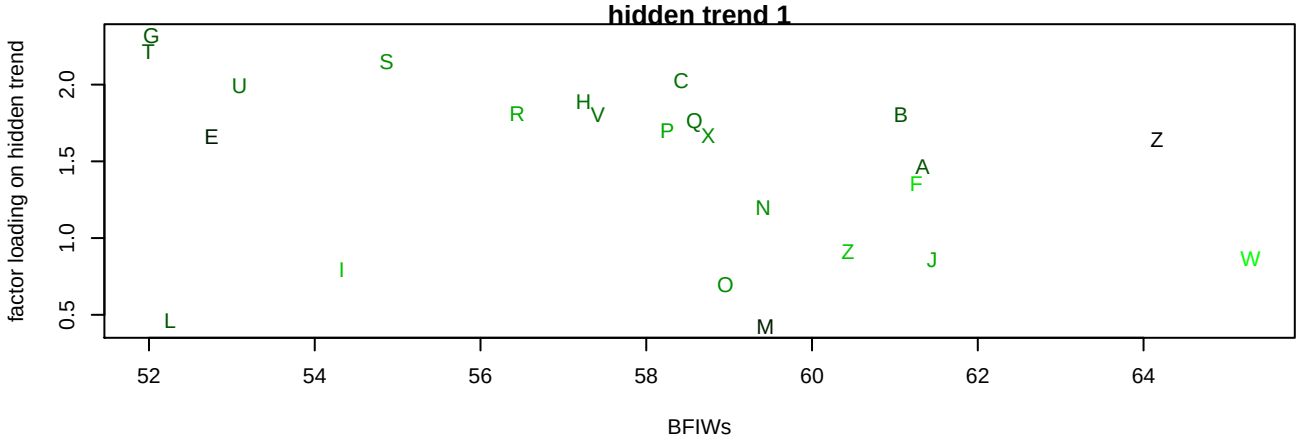

hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
120
130
140
150
160
170
WtDepWs


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
1500
2000
2500
RunoffWs


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
0
5
10
15
20
PctAlluvCoastWs


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
100
110
120
130
140
RckDepWs
G
T
S
C
U
H
V
Q
B
R
P
X
F
A
N
Z
W
J
O
I
L
M


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
0
1
2
3
4
PctIce2011Ws
C
X
F
W
J
Z
I
L
O
M
N
A


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
52
54
56
58
60
62
64
BFIWs
G
T
S
U
C
R
H
V
P
Q
X
B
Z
A
F
N
Z
J
W
I
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M
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