Multispatial CCM test: upw tumi as a forcing process on recspn5 MFS, offset: 2 UPS, offset: 2 IMN, offset: 2 Tau = 1, p = 0.330.4 Tau = 1, p = 0.32Tau = 1, p = 0.22Tau = 2, p = 0.44Tau = 2, p = 0.55Tau = 2, p = 0.730.2 0.3 Tau = 3, p = 0Tau = 3, p = 0.3Tau = 3, p = 0.450.2 Tau = 4, p = 0.49Tau = 4, p = 0.3Tau = 15, p = 0.29 Tau = 5, p = 0.36Tau = 5, p = 0.940.1 Tau = 6, p = 0.06Tau = 6, p = 0.31Tau = 6, p = 0.60.0 -0.1-0.1100 200 100 200 300 100 200 300 Library length, L Library length, L Library length, L MFS, offset: 3 IMN, offset: 3 UPS, offset: 3 0.4 0.4 Tau = 1, p = 0.7Tau = 1, p = 0.43Tau = 1, p = 0.61Tau = 2, p = 0.030.3 Tau = 2, p = 0.17Tau = 2, p = 0.1Tau = 3, p = 0.12Tau = 3, p = 0.23Tau = 3, p = 0.640.2 0.2 Tau = 4, p = 0.14rho Tau = 4, p = 0.71rho Tau = 5, p = 0.020.1 Tau = 5, p = 0.19Tau = 5 , p = 0.460.1 Tau = 6, p = 0.5Tau = 6, p = 0.38Tau = 6, p = 0.220.0 0.0 -0.1 -0.1300 200 100 200 300 100 200 100 Library length, L Library length, L Library length, L MFS, offset: 4 IMN, offset: 4 UPS, offset: 4 0.4 0.4 -Tau = 1 , p = 0.22 Tau = 1, p = 0.75Tau = 1, p = 0.2Tau = 2, p = 0.16Tau = 2, p = 0.58Tau = 2, p = 0.560.3 Tau = 3, p = 0.04Tau = 3, p = 0.48Tau = 3, p = 0.520.2 Tau = 4, p = 0.03Tau = 4, p = 0.67Tau = 4, p = 0.44rho 0.1 Tau = 5, p = 0.14Tau = 5, p = 0.86Tau = 5, p = 0.53Tau = 6, p = 0.340.0 Tau = 6, p = 0.13Tau = 6, p = 0.230.0 -0.1200 300 200 300 200 300 100 Library length, L Library length, L Library length, L MFS, offset: 5 IMN, offset: 5 UPS, offset: 5 0.3 Tau = 1, p = 0.65Tau = 1, p = 0.1Tau = 1, p = 0.550.4 Tau = 2, p = 0.17Tau = 2, p = 0.53Tau = 2, p = 0.480.3 Tau = 3, p = 0Tau = 3, p = 0.32Tau = 3, p = 0.62Tau = 4, p = 0.060.2 Tau = 4, p = 0.260.1 Tau = 4, p = 0.38rho rho Tau = 5, p = 0.26 Tau = 5, p = 0.13Tau = 5, p = 0.410.1 0.0 Tau = 6, p = 0.07Tau = 6, p = 0.70.0 -0.1

library length, L

300

200

Library length, L

100

-0.1

100

200

Library length, L

300

100

200

Library length, L

300

ESU, offset: 2

0.3

0.2

0.1

0.0

0.3

0.2

0.1

0.0

-0.1

0.3

0.2 -

0.1

0.0

-0.1

0.1

0.0

rho

rho

forecast skill, rho

rho

Tau = 1, p = 0.66

Tau = 2, p = 0.78

Tau = 3, p = 0.35

Tau = 4, p = 0.24

Tau = 5, p = 0.46

Tau = 6, p = 0.4

250

ESU, offset: 3

Tau = 1, p = 0.64

Tau = 2, p = 0.12

Tau = 3, p = 0.29

Tau = 4, p = 0.08

Tau = 5, p = 0.66

Tau = 6, p = 0.47

250

ESU, offset: 4

Tau = 1, p = 0.24

Tau = 2, p = 0.43

Tau = 3, p = 0.53

Tau = 4, p = 0.19

Tau = 5, p = 0.71

Tau = 6, p = 0.39

300

Tau = 1, p = 0.27

Tau = 2, p = 0.45

Tau = 3, p = 0.12Tau = 4, p = 0.24

Tau = 5, p = 0.31

Tau = 6, p = 0.49

300

ESU, offset: 5

600

Library length, L

600

Library length, L

900

900

500

Library length, L

750

1000

500

Library length, L

750

1000

0.4

<mark>일</mark> 0.2

0.4

0.0

0.1

-0.1

0.6

0.4

은 _{0.2}

0.0