

# eCast Monthly External Standard Report for 2009-05-01 ~ 2009-05-31

June 4, 2009

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# ECMWF Temperature MAE Regional Summary

Max (2009-05-01~2009-05-31)

|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | 2.7   | 3.0   | 3.2   | 3.8   | 4.3   | 4.9   | 5.1   | 5.3   | 5.8   | 5.6    | 5.8    | 6.1    | 6.2    | 6.3    | 6.2    |
| USNW  | 2.2   | 2.4   | 2.3   | 3.0   | 4.0   | 4.4   | 4.7   | 5.1   | 5.2   | 5.3    | 5.7    | 6.6    | 7.0    | 7.2    | 7.1    |
| USNC  | 2.9   | 3.2   | 3.5   | 3.9   | 4.5   | 5.0   | 5.6   | 6.0   | 6.4   | 6.1    | 6.2    | 6.3    | 6.4    | 6.5    | 6.3    |
| USNE  | 3.0   | 3.5   | 3.7   | 4.0   | 4.9   | 6.0   | 6.3   | 6.8   | 7.2   | 6.8    | 6.8    | 6.9    | 6.8    | 7.2    | 7.1    |
| USSE  | 2.7   | 3.1   | 3.1   | 3.5   | 3.6   | 3.8   | 4.0   | 4.2   | 4.1   | 4.3    | 4.3    | 4.4    | 4.4    | 4.5    | 4.5    |
| USSC  | 2.5   | 2.7   | 2.8   | 3.2   | 3.4   | 3.7   | 4.3   | 4.8   | 5.5   | 5.1    | 5.1    | 5.1    | 5.3    | 5.6    | 5.5    |
| USSW  | 2.8   | 3.1   | 3.2   | 3.6   | 4.1   | 4.4   | 4.6   | 5.0   | 5.1   | 5.0    | 5.2    | 5.5    | 5.6    | 5.6    | 5.7    |

Min (2009-05-01~2009-05-31)

|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | 2.1   | 2.1   | 2.4   | 2.7   | 3.0   | 3.4   | 3.7   | 4.0   | 4.2   | 4.1    | 4.0    | 4.3    | 4.6    | 4.8    | 4.8    |
| USNW  | 2.5   | 2.4   | 2.4   | 2.7   | 3.1   | 3.4   | 3.8   | 4.1   | 4.0   | 4.1    | 4.0    | 4.2    | 4.6    | 4.9    | 5.0    |
| USNC  | 2.3   | 2.4   | 2.7   | 3.1   | 3.4   | 4.0   | 4.4   | 5.2   | 5.5   | 5.4    | 5.2    | 5.5    | 5.8    | 5.9    | 5.9    |
| USNE  | 2.3   | 2.4   | 2.7   | 2.9   | 3.1   | 4.0   | 4.4   | 4.9   | 5.2   | 5.0    | 5.0    | 5.1    | 5.4    | 5.6    | 5.8    |
| USSE  | 1.9   | 2.1   | 2.1   | 2.3   | 2.5   | 2.9   | 3.1   | 3.3   | 3.3   | 3.2    | 3.3    | 3.5    | 3.6    | 3.8    | 4.2    |
| USSC  | 2.2   | 2.4   | 2.5   | 2.8   | 3.2   | 3.7   | 4.1   | 4.4   | 4.7   | 4.8    | 5.0    | 5.5    | 5.8    | 6.1    | 6.4    |
| USSW  | 2.7   | 2.9   | 3.1   | 3.1   | 3.4   | 3.4   | 3.6   | 3.7   | 3.7   | 3.6    | 3.6    | 3.8    | 4.0    | 4.1    | 4.1    |

USNW: US North West

USNC: US North Central

USNE: US North East

USSE: US South East

USSC: US South Central

USSW: US South West

# MEX Temperature MAE Regional Summary

Max (2009-05-01~2009-05-31)

|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | 2.4   | 2.8   | 3.3   | 3.7   | 4.3   | 4.8   | 5.0   | 6.7   | 6.8   | 7.0    | 7.1    | 7.3    | 7.5    | 7.6    | 7.8    |
| USNW  | 1.9   | 2.1   | 2.6   | 3.2   | 4.1   | 4.7   | 4.8   | 7.5   | 7.5   | 7.6    | 7.7    | 7.7    | 7.8    | 7.9    | 8.0    |
| USNC  | 2.6   | 3.1   | 3.8   | 4.4   | 4.8   | 4.9   | 5.2   | 6.2   | 6.3   | 6.4    | 6.6    | 6.7    | 6.9    | 7.0    | 7.2    |
| USNE  | 2.3   | 3.0   | 3.4   | 3.8   | 4.8   | 5.9   | 5.6   | 6.8   | 6.9   | 7.1    | 7.2    | 7.3    | 7.5    | 7.6    | 7.8    |
| USSE  | 2.0   | 2.3   | 2.5   | 2.6   | 2.8   | 3.2   | 3.7   | 4.9   | 4.9   | 5.0    | 5.1    | 5.1    | 5.2    | 5.3    | 5.4    |
| USSC  | 2.2   | 2.5   | 2.7   | 3.0   | 3.3   | 3.7   | 4.2   | 5.4   | 5.5   | 5.5    | 5.6    | 5.7    | 5.8    | 5.9    | 6.0    |
| USSW  | 2.4   | 2.9   | 3.1   | 3.3   | 3.7   | 4.1   | 4.6   | 7.0   | 7.1   | 7.3    | 7.4    | 7.5    | 7.7    | 7.8    | 8.0    |

Min (2009-05-01~2009-05-31)

|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | 0.0   | 2.4   | 2.6   | 2.8   | 3.1   | 3.4   | 3.9   | 6.0   | 6.2   | 6.4    | 6.5    | 6.7    | 6.9    | 7.1    | 7.4    |
| USNW  | 0.0   | 2.0   | 2.3   | 2.7   | 3.0   | 3.5   | 3.7   | 4.8   | 4.9   | 4.9    | 5.0    | 5.1    | 5.2    | 5.3    | 5.4    |
| USNC  | 0.0   | 3.3   | 3.5   | 3.7   | 3.9   | 4.3   | 4.5   | 5.7   | 5.8   | 6.0    | 6.1    | 6.2    | 6.4    | 6.6    | 6.8    |
| USNE  | 0.0   | 2.8   | 3.1   | 3.4   | 3.7   | 4.1   | 4.6   | 6.5   | 6.6   | 6.8    | 7.0    | 7.1    | 7.3    | 7.5    | 7.7    |
| USSE  | 0.0   | 2.0   | 2.2   | 2.3   | 2.4   | 2.5   | 3.0   | 6.1   | 6.3   | 6.5    | 6.7    | 6.9    | 7.1    | 7.3    | 7.5    |
| USSC  | 0.0   | 2.3   | 2.5   | 2.7   | 3.2   | 3.6   | 4.1   | 6.6   | 6.7   | 6.9    | 7.0    | 7.2    | 7.3    | 7.5    | 7.7    |
| USSW  | 0.0   | 2.4   | 2.4   | 2.5   | 2.6   | 2.7   | 2.9   | 5.9   | 6.0   | 6.2    | 6.4    | 6.5    | 6.7    | 6.9    | 7.1    |

USNW: US North West

USNC: US North Central

USNE: US North East

USSE: US South East

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# ECMWF Temperature BIAS Regional Summary

Max (2009-05-01~2009-05-31)

|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | -0.2  | -0.0  | 0.2   | 0.4   | 0.3   | 0.4   | 0.4   | 0.4   | 0.4   | 0.5    | 0.4    | 0.2    | 0.2    | 0.2    | 0.3    |
| USNW  | -0.1  | -0.0  | -0.2  | -0.5  | -0.3  | 0.4   | 0.3   | 0.3   | 0.4   | -0.1   | -1.0   | -1.3   | -1.0   | -0.7   | -0.6   |
| USNC  | 0.0   | 0.1   | 0.6   | 0.8   | 0.4   | 0.4   | 0.3   | 0.4   | 0.3   | 0.5    | 0.4    | 0.4    | 0.5    | 0.6    | 0.8    |
| USNE  | 0.0   | 0.1   | 0.7   | 1.3   | 1.6   | 1.4   | 1.5   | 1.5   | 1.9   | 2.5    | 2.4    | 2.1    | 1.9    | 1.7    | 1.7    |
| USSE  | -0.5  | -0.9  | -0.8  | -1.0  | -0.6  | -0.3  | -0.2  | -0.1  | 0.6   | 1.2    | 1.6    | 2.0    | 2.1    | 2.1    | 2.1    |
| USSC  | -0.2  | -0.3  | -0.2  | -0.0  | -0.0  | 0.5   | 0.6   | 1.0   | 0.6   | 1.1    | 1.5    | 1.6    | 1.6    | 1.7    | 1.7    |
| USSW  | -0.1  | -0.0  | 0.0   | -0.2  | 0.0   | 0.5   | 0.3   | 0.2   | -0.1  | -0.1   | -0.2   | -0.2   | -0.1   | -0.0   | 0.2    |

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | -0.0  | 0.2   | 0.3   | 0.4   | 0.4   | 0.3   | 0.3   | 0.3   | 0.4   | 0.3    | 0.4    | 0.3    | 0.2    | 0.1    | -0.2   |
| USNW  | -0.0  | 0.4   | 0.3   | 0.3   | 0.3   | 0.8   | 1.3   | 1.2   | 1.3   | 1.9    | 1.6    | 1.2    | 1.4    | 1.5    | 1.4    |
| USNC  | 0.2   | 0.2   | 0.4   | 0.9   | 0.9   | 0.9   | 1.0   | 0.9   | 1.1   | 1.6    | 1.6    | 1.8    | 2.0    | 2.1    | 1.9    |
| USNE  | 0.1   | 0.3   | 0.6   | 0.7   | 0.7   | 0.5   | 0.7   | 0.9   | 1.2   | 1.4    | 1.6    | 1.4    | 1.3    | 0.9    | 0.8    |
| USSE  | -0.1  | -0.1  | -0.2  | -0.3  | -0.3  | -0.5  | -0.1  | 0.0   | -0.0  | 0.1    | -0.1   | -0.2   | -0.2   | -0.6   | -1.0   |
| USSC  | -0.1  | -0.2  | -0.2  | -0.0  | 0.1   | 0.3   | 0.4   | 0.7   | 1.0   | 0.9    | 0.9    | 0.8    | 0.6    | 0.4    | -0.1   |
| USSW  | 0.5   | 0.6   | 0.7   | 0.6   | 0.6   | 0.8   | 1.0   | 0.8   | 0.5   | 0.2    | 0.4    | 0.0    | -0.1   | -0.1   | -0.3   |

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|       | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | -0.4  | -0.4  | -0.7  | -0.9  | -1.1  | -0.8  | -0.6  | -3.7  | -4.0  | -4.3   | -4.7   | -5.0   | -5.3   | -5.6   | -5.9   |
| USNW  | -0.2  | -0.2  | 0.2   | 0.2   | -0.4  | -1.5  | -2.2  | -4.2  | -4.5  | -4.7   | -5.0   | -5.2   | -5.5   | -5.7   | -6.0   |
| USNC  | -0.2  | -0.2  | -0.7  | -1.3  | -1.7  | -1.2  | -0.6  | -2.6  | -3.0  | -3.4   | -3.7   | -4.1   | -4.4   | -4.8   | -5.2   |
| USNE  | -0.2  | -0.1  | -0.1  | -1.1  | -1.4  | -1.4  | -0.6  | -2.5  | -2.8  | -3.2   | -3.5   | -3.9   | -4.2   | -4.6   | -4.9   |
| USSE  | -0.4  | -0.1  | -0.1  | -0.5  | -0.2  | -0.4  | -0.2  | -1.1  | -1.3  | -1.5   | -1.8   | -2.0   | -2.2   | -2.4   | -2.6   |
| USSC  | -0.4  | -0.5  | 0.1   | 0.1   | 0.3   | 0.5   | 0.8   | -2.2  | -2.4  | -2.6   | -2.9   | -3.1   | -3.3   | -3.6   | -3.8   |
| USSW  | -0.3  | 0.0   | 0.1   | -0.1  | 0.1   | 0.2   | -0.1  | -4.7  | -5.0  | -5.2   | -5.4   | -5.6   | -5.8   | -6.0   | -6.2   |

Min (2009-05-01~2009-05-31)

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| CME18 | 0.0   | 0.2   | 0.3   | 0.2   | 0.1   | 0.0   | 0.2   | -4.4  | -4.7  | -5.0   | -5.3   | -5.6   | -5.9   | -6.2   | -6.5   |
| USNW  | 0.0   | 0.2   | 0.6   | 0.8   | 1.1   | 0.7   | 0.3   | -2.3  | -2.5  | -2.7   | -3.0   | -3.2   | -3.4   | -3.6   | -3.8   |
| USNC  | 0.0   | 1.0   | 1.0   | 0.6   | 0.7   | 1.1   | 1.6   | -2.4  | -2.7  | -3.1   | -3.4   | -3.8   | -4.1   | -4.5   | -4.9   |
| USNE  | 0.0   | 0.6   | 0.3   | 0.6   | 0.3   | 0.4   | 0.6   | -3.6  | -4.0  | -4.3   | -4.6   | -5.0   | -5.3   | -5.6   | -6.0   |
| USSE  | 0.0   | -0.2  | -0.6  | -0.6  | -0.5  | -0.6  | -0.7  | -4.9  | -5.1  | -5.4   | -5.7   | -6.0   | -6.2   | -6.5   | -6.8   |
| USSC  | 0.0   | 0.0   | 0.3   | 0.1   | 0.3   | 0.2   | 0.7   | -3.8  | -4.1  | -4.4   | -4.7   | -5.0   | -5.3   | -5.6   | -5.9   |
| USSW  | 0.0   | 0.1   | 0.1   | 0.0   | -0.3  | -0.5  | -0.9  | -5.3  | -5.5  | -5.7   | -5.9   | -6.1   | -6.3   | -6.6   | -6.8   |

USNW: US North West

USNC: US North Central

USNE: US North East

USSE: US South East

USSC: US South Central

USSW: US South West

# ECMWF Temperature MAE in CME18

Max (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 3.2   | 3.4   | 3.3   | 3.8   | 3.5   | 4.2   | 5.0   | 4.9   | 5.2   | 5.0    | 5.5    | 5.3    | 4.5    | 5.0    | 4.8    |
| BOS | 3.7   | 4.1   | 4.6   | 4.8   | 5.4   | 6.9   | 6.9   | 7.5   | 7.8   | 7.6    | 8.0    | 8.2    | 8.2    | 8.5    | 8.4    |
| BWI | 2.4   | 3.0   | 3.3   | 3.5   | 5.2   | 6.0   | 6.1   | 6.2   | 6.9   | 6.5    | 6.5    | 6.9    | 6.8    | 6.8    | 7.2    |
| CVG | 2.2   | 2.2   | 2.6   | 2.7   | 3.2   | 3.7   | 4.3   | 4.9   | 5.7   | 5.5    | 5.6    | 5.4    | 5.8    | 5.9    | 5.7    |
| DFW | 2.9   | 3.4   | 3.3   | 3.5   | 3.3   | 3.2   | 3.8   | 4.1   | 4.9   | 4.3    | 4.4    | 4.9    | 5.1    | 5.2    | 5.2    |
| DSM | 3.1   | 3.5   | 3.9   | 4.6   | 5.6   | 5.6   | 5.5   | 5.7   | 5.9   | 5.6    | 6.2    | 6.9    | 6.9    | 6.9    | 6.4    |
| DTW | 2.9   | 3.5   | 3.4   | 3.2   | 3.6   | 4.4   | 4.9   | 4.1   | 4.8   | 4.5    | 4.7    | 4.5    | 5.2    | 5.3    | 5.2    |
| IAH | 1.5   | 2.0   | 2.1   | 2.8   | 3.3   | 3.3   | 3.7   | 3.6   | 4.1   | 3.9    | 3.8    | 3.9    | 3.8    | 4.4    | 4.5    |
| LAS | 1.4   | 1.6   | 1.8   | 2.4   | 2.4   | 2.4   | 2.9   | 3.5   | 3.8   | 3.5    | 3.7    | 4.3    | 4.4    | 4.3    | 4.4    |
| LGA | 4.1   | 4.4   | 4.4   | 4.5   | 5.2   | 7.0   | 6.3   | 6.7   | 7.2   | 7.1    | 7.2    | 7.2    | 6.9    | 7.4    | 7.3    |
| MCI | 3.1   | 2.5   | 2.7   | 3.7   | 4.0   | 5.1   | 4.8   | 5.3   | 6.1   | 6.0    | 6.1    | 6.5    | 7.2    | 7.2    | 6.8    |
| MSP | 2.9   | 2.8   | 3.8   | 4.9   | 5.1   | 5.5   | 5.9   | 6.0   | 7.4   | 6.8    | 6.4    | 7.5    | 7.3    | 7.1    | 6.6    |
| ORD | 2.8   | 3.5   | 3.8   | 5.0   | 5.5   | 5.7   | 5.7   | 5.6   | 5.2   | 5.3    | 6.1    | 5.9    | 6.7    | 6.3    | 6.0    |
| PDX | 2.6   | 2.9   | 3.1   | 3.7   | 4.7   | 4.7   | 5.0   | 5.3   | 5.3   | 6.3    | 6.7    | 7.5    | 7.6    | 7.6    | 7.4    |
| PHL | 2.3   | 3.3   | 3.9   | 4.5   | 5.3   | 6.9   | 6.4   | 6.8   | 7.2   | 6.5    | 7.1    | 7.0    | 6.5    | 7.0    | 7.0    |
| SAC | 3.7   | 3.7   | 3.7   | 4.1   | 4.5   | 5.1   | 5.3   | 6.0   | 6.0   | 6.2    | 6.5    | 7.1    | 6.9    | 6.7    | 6.5    |
| SLC | 1.9   | 2.3   | 2.5   | 3.3   | 4.0   | 4.0   | 4.3   | 4.8   | 4.9   | 4.7    | 4.5    | 5.1    | 5.2    | 5.5    | 5.2    |
| TUS | 2.0   | 1.8   | 2.0   | 2.7   | 3.5   | 3.9   | 4.3   | 5.2   | 5.6   | 5.5    | 5.6    | 5.5    | 5.7    | 5.9    | 6.2    |

Min (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 1.9   | 2.0   | 2.3   | 2.4   | 2.6   | 2.8   | 3.2   | 3.4   | 3.1   | 2.6    | 2.6    | 3.3    | 3.3    | 3.7    | 4.5    |
| BOS | 1.8   | 2.0   | 2.1   | 2.2   | 2.5   | 3.3   | 3.7   | 3.9   | 3.9   | 3.7    | 4.0    | 4.1    | 4.3    | 4.5    | 4.5    |
| BWI | 1.9   | 1.5   | 2.2   | 2.7   | 3.5   | 4.7   | 5.1   | 5.3   | 5.6   | 5.4    | 5.3    | 5.6    | 5.9    | 6.1    | 6.5    |
| CVG | 2.4   | 2.8   | 3.2   | 3.2   | 2.7   | 3.7   | 4.2   | 5.8   | 5.7   | 5.9    | 5.4    | 5.9    | 5.7    | 5.6    | 5.5    |
| DFW | 1.8   | 2.3   | 2.6   | 2.7   | 2.8   | 3.2   | 4.1   | 4.0   | 4.7   | 4.3    | 4.3    | 4.5    | 5.0    | 5.3    | 5.2    |
| DSM | 2.3   | 2.6   | 2.5   | 3.4   | 3.9   | 4.3   | 4.7   | 4.5   | 4.8   | 4.5    | 4.3    | 4.6    | 5.4    | 5.4    | 5.4    |
| DTW | 1.9   | 2.1   | 2.3   | 3.0   | 3.2   | 3.7   | 3.6   | 4.5   | 4.3   | 4.5    | 3.9    | 3.9    | 4.2    | 4.9    | 4.7    |
| IAH | 2.1   | 2.4   | 2.6   | 2.3   | 3.3   | 3.5   | 4.1   | 4.0   | 4.5   | 4.6    | 5.2    | 5.7    | 6.4    | 6.3    | 7.0    |
| LAS | 1.4   | 1.4   | 1.5   | 1.8   | 1.9   | 2.0   | 2.0   | 2.7   | 3.5   | 3.9    | 3.9    | 4.3    | 4.8    | 5.0    | 5.2    |
| LGA | 2.3   | 2.1   | 2.4   | 2.5   | 2.5   | 3.0   | 3.2   | 3.4   | 3.7   | 3.4    | 3.0    | 3.2    | 3.6    | 3.8    | 3.9    |
| MCI | 2.0   | 2.3   | 2.6   | 2.9   | 3.5   | 3.7   | 4.0   | 3.9   | 4.8   | 4.1    | 3.8    | 4.1    | 4.8    | 4.7    | 4.5    |
| MSP | 2.1   | 2.3   | 2.7   | 3.7   | 4.1   | 4.6   | 5.0   | 5.3   | 5.4   | 5.5    | 5.3    | 5.8    | 6.5    | 6.3    | 6.1    |
| ORD | 1.7   | 2.0   | 2.2   | 2.8   | 3.4   | 3.4   | 4.0   | 4.1   | 5.0   | 5.1    | 4.4    | 4.4    | 5.0    | 5.5    | 5.2    |
| PDX | 3.8   | 1.5   | 1.5   | 1.7   | 2.2   | 2.2   | 2.6   | 2.8   | 2.8   | 2.6    | 2.7    | 2.9    | 3.0    | 3.1    | 3.2    |
| PHL | 2.0   | 2.4   | 2.9   | 3.1   | 3.4   | 4.6   | 4.5   | 4.6   | 4.6   | 4.3    | 4.2    | 4.3    | 4.4    | 4.5    | 4.6    |
| SAC | 1.9   | 2.4   | 4.1   | 3.0   | 3.1   | 2.8   | 3.1   | 3.0   | 3.1   | 3.0    | 3.3    | 3.7    | 3.8    | 4.0    | 4.0    |
| SLC | 2.0   | 2.0   | 2.1   | 2.4   | 2.6   | 2.8   | 3.0   | 3.2   | 3.3   | 3.5    | 3.7    | 3.9    | 4.2    | 4.1    | 4.2    |
| TUS | 2.6   | 2.3   | 2.2   | 2.3   | 2.6   | 2.3   | 2.5   | 2.9   | 2.8   | 2.9    | 3.1    | 3.1    | 3.0    | 3.0    | 3.1    |

# MEX Temperature MAE in CME18

Max (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 1.9   | 2.5   | 3.0   | 2.7   | 2.2   | 3.6   | 4.0   | 4.2   | 4.1   | 4.2    | 4.3    | 4.4    | 4.4    | 4.4    | 4.5    |
| BOS | 3.0   | 4.5   | 5.4   | 5.8   | 6.9   | 8.0   | 7.9   | 8.8   | 8.9   | 9.1    | 9.3    | 9.4    | 9.6    | 9.8    | 9.9    |
| BWI | 2.1   | 2.8   | 3.1   | 3.0   | 3.1   | 5.4   | 5.4   | 6.4   | 6.5   | 6.5    | 6.5    | 6.6    | 6.7    | 6.9    | 7.0    |
| CVG | 1.9   | 2.5   | 3.1   | 3.4   | 2.9   | 3.0   | 3.4   | 4.3   | 4.5   | 4.5    | 4.6    | 4.8    | 5.0    | 5.1    | 5.3    |
| DFW | 2.5   | 2.5   | 2.5   | 2.9   | 3.5   | 4.1   | 3.9   | 4.2   | 4.3   | 4.4    | 4.5    | 4.5    | 4.6    | 4.8    | 5.0    |
| DSM | 3.2   | 3.2   | 3.7   | 4.1   | 5.2   | 5.1   | 6.3   | 6.8   | 6.9   | 7.0    | 7.1    | 7.2    | 7.3    | 7.3    | 7.5    |
| DTW | 2.0   | 2.6   | 3.1   | 3.7   | 4.9   | 3.8   | 3.8   | 4.7   | 4.9   | 5.0    | 5.1    | 5.5    | 5.7    | 5.9    | 6.2    |
| IAH | 1.5   | 1.8   | 1.7   | 2.4   | 2.5   | 2.9   | 3.4   | 5.1   | 5.2   | 5.3    | 5.4    | 5.6    | 5.7    | 5.7    | 5.9    |
| LAS | 1.5   | 1.9   | 2.4   | 2.1   | 3.0   | 2.9   | 2.9   | 9.6   | 10.0  | 10.3   | 10.6   | 11.0   | 11.3   | 11.6   | 11.9   |
| LGA | 2.1   | 3.0   | 3.5   | 3.7   | 4.8   | 5.9   | 5.0   | 6.7   | 6.7   | 6.8    | 7.1    | 7.1    | 7.3    | 7.5    | 7.6    |
| MCI | 2.7   | 2.3   | 3.0   | 3.8   | 4.1   | 4.0   | 5.2   | 6.3   | 6.4   | 6.5    | 6.5    | 6.5    | 6.7    | 6.8    | 6.9    |
| MSP | 3.3   | 3.9   | 5.1   | 5.8   | 6.4   | 6.9   | 6.6   | 7.6   | 7.6   | 7.9    | 8.1    | 8.3    | 8.6    | 8.8    | 9.1    |
| ORD | 2.9   | 2.8   | 4.5   | 4.8   | 5.9   | 5.1   | 5.6   | 5.9   | 5.9   | 6.2    | 6.3    | 6.5    | 6.6    | 7.0    | 7.2    |
| PDX | 2.6   | 3.2   | 3.2   | 3.4   | 4.5   | 5.3   | 5.5   | 8.0   | 8.0   | 8.2    | 8.3    | 8.4    | 8.6    | 8.6    | 8.8    |
| PHL | 2.2   | 3.3   | 3.5   | 3.8   | 4.8   | 6.1   | 5.4   | 7.3   | 7.5   | 7.6    | 7.8    | 8.0    | 8.2    | 8.4    | 8.5    |
| SAC | 3.5   | 4.5   | 4.7   | 5.0   | 5.2   | 6.1   | 6.7   | 8.7   | 8.9   | 9.1    | 9.2    | 9.3    | 9.5    | 9.6    | 9.7    |
| SLC | 2.1   | 2.0   | 2.5   | 3.5   | 4.1   | 4.5   | 5.2   | 7.6   | 7.9   | 8.1    | 8.3    | 8.5    | 8.8    | 9.1    | 9.3    |
| TUS | 1.5   | 1.8   | 2.2   | 2.3   | 2.9   | 3.6   | 3.7   | 9.0   | 9.2   | 9.4    | 9.6    | 9.9    | 10.1   | 10.3   | 10.5   |

Min (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 0.0   | 2.2   | 2.0   | 2.5   | 2.3   | 2.7   | 3.0   | 6.5   | 6.7   | 7.0    | 7.2    | 7.4    | 7.6    | 7.9    | 8.2    |
| BOS | 0.0   | 2.4   | 2.8   | 3.0   | 3.1   | 3.5   | 3.9   | 4.5   | 4.6   | 4.8    | 5.1    | 5.2    | 5.4    | 5.5    | 5.7    |
| BWI | 0.0   | 2.5   | 3.5   | 3.5   | 4.2   | 4.6   | 5.6   | 7.7   | 7.9   | 8.1    | 8.3    | 8.5    | 8.7    | 8.8    | 9.0    |
| CVG | 0.0   | 4.3   | 4.0   | 4.0   | 4.2   | 4.2   | 4.6   | 5.9   | 6.2   | 6.4    | 6.5    | 6.7    | 6.8    | 7.0    | 7.2    |
| DFW | 0.0   | 2.2   | 2.5   | 2.2   | 3.4   | 3.3   | 4.4   | 5.1   | 5.2   | 5.3    | 5.4    | 5.5    | 5.7    | 5.8    | 6.0    |
| DSM | 0.0   | 1.9   | 2.3   | 2.6   | 3.2   | 3.8   | 4.2   | 5.8   | 6.0   | 6.1    | 6.3    | 6.5    | 6.8    | 7.1    | 7.3    |
| DTW | 0.0   | 3.3   | 3.2   | 3.4   | 3.8   | 3.2   | 3.5   | 4.5   | 4.8   | 4.9    | 5.1    | 5.3    | 5.5    | 5.7    | 6.0    |
| IAH | 0.0   | 2.0   | 1.8   | 2.2   | 2.9   | 3.5   | 3.9   | 7.2   | 7.3   | 7.4    | 7.6    | 7.8    | 7.9    | 8.1    | 8.2    |
| LAS | 0.0   | 1.9   | 1.9   | 2.1   | 2.5   | 2.8   | 3.1   | 11.5  | 11.8  | 12.1   | 12.4   | 12.7   | 13.0   | 13.3   | 13.6   |
| LGA | 0.0   | 2.6   | 2.5   | 2.9   | 2.5   | 2.8   | 3.3   | 4.0   | 4.2   | 4.4    | 4.6    | 4.8    | 5.0    | 5.3    | 5.5    |
| MCI | 0.0   | 2.3   | 2.5   | 2.9   | 2.7   | 3.6   | 4.3   | 4.9   | 5.0   | 5.2    | 5.4    | 5.5    | 5.7    | 6.0    | 6.3    |
| MSP | 0.0   | 2.7   | 3.1   | 3.7   | 4.1   | 4.8   | 4.8   | 6.4   | 6.6   | 6.8    | 6.8    | 7.1    | 7.3    | 7.5    | 7.8    |
| ORD | 0.0   | 2.6   | 2.4   | 3.1   | 3.4   | 3.6   | 3.8   | 5.9   | 6.1   | 6.4    | 6.5    | 6.7    | 7.0    | 7.1    | 7.3    |
| PDX | 0.0   | 1.3   | 1.5   | 1.9   | 1.8   | 2.7   | 2.7   | 3.6   | 3.7   | 3.8    | 3.8    | 4.0    | 4.2    | 4.3    | 4.4    |
| PHL | 0.0   | 2.3   | 2.9   | 3.3   | 3.3   | 3.9   | 4.5   | 5.4   | 5.7   | 5.8    | 6.0    | 6.3    | 6.5    | 6.7    | 6.9    |
| SAC | 0.0   | 2.7   | 2.4   | 2.6   | 2.9   | 3.0   | 2.7   | 4.2   | 4.3   | 4.5    | 4.6    | 4.7    | 4.8    | 5.0    | 5.1    |
| SLC | 0.0   | 2.8   | 2.8   | 3.3   | 3.9   | 3.7   | 4.6   | 5.8   | 6.0   | 6.1    | 6.3    | 6.5    | 6.6    | 6.9    | 7.1    |
| TUS | 0.0   | 1.8   | 1.8   | 1.9   | 1.8   | 2.2   | 2.5   | 8.8   | 9.1   | 9.4    | 9.7    | 10.0   | 10.3   | 10.5   | 10.8   |

# ECMWF Temperature BIAS in CME18

Max (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | -0.5  | -0.6  | -1.1  | -1.2  | -0.9  | -0.3  | -0.8  | 0.2   | 0.6   | 1.7    | 2.2    | 2.6    | 2.7    | 2.9    | 2.8    |
| BOS | 0.1   | 0.6   | 1.1   | 1.5   | 1.6   | 1.2   | 0.8   | 0.7   | 1.4   | 1.4    | 0.9    | 0.7    | 0.7    | 0.4    | 0.5    |
| BWI | -0.3  | -0.4  | 0.3   | 1.4   | 2.1   | 2.2   | 2.1   | 1.7   | 1.9   | 3.4    | 3.4    | 3.0    | 2.6    | 2.3    | 2.7    |
| CVG | 0.1   | 0.3   | 0.5   | 1.2   | 1.3   | 1.4   | 1.4   | 1.2   | 1.3   | 2.4    | 2.7    | 2.8    | 2.6    | 2.5    | 2.8    |
| DFW | -0.7  | -1.1  | -1.0  | -0.9  | -1.2  | -0.7  | 0.2   | -0.3  | -0.8  | -0.6   | 0.3    | 0.7    | 0.5    | 0.6    | 1.1    |
| DSM | -0.4  | 0.4   | 1.4   | 1.4   | 0.5   | 1.3   | 0.7   | 1.5   | 1.5   | 1.3    | 1.6    | 1.2    | 1.8    | 1.9    | 2.1    |
| DTW | 0.5   | 0.6   | 0.7   | 1.6   | 0.9   | 0.6   | 0.4   | 0.5   | 0.6   | 0.3    | -0.7   | -0.8   | -1.2   | -1.1   | -0.9   |
| IAH | -0.1  | -0.1  | -0.2  | -0.3  | -0.4  | -0.5  | -0.3  | -0.1  | -0.7  | -1.3   | -1.1   | -1.3   | -1.2   | -1.9   | -1.6   |
| LAS | -0.3  | -0.2  | -0.5  | -1.2  | -1.2  | -1.0  | -1.3  | -1.8  | -2.1  | -1.6   | -2.4   | -2.9   | -3.0   | -3.1   | -3.1   |
| LGA | -0.9  | -0.3  | 0.0   | 0.4   | 0.5   | 1.0   | 1.3   | 1.7   | 2.5   | 4.0    | 3.8    | 3.6    | 3.4    | 3.3    | 3.1    |
| MCI | -0.1  | 0.5   | 1.1   | 1.2   | 0.8   | 1.6   | 1.5   | 1.8   | 1.7   | 1.0    | 2.1    | 1.8    | 2.2    | 2.7    | 2.7    |
| MSP | 0.1   | 0.1   | 0.8   | 0.3   | -0.6  | -1.3  | -0.9  | -0.8  | -1.0  | -1.5   | -0.9   | -0.8   | -1.0   | -0.3   | -0.1   |
| ORD | 0.1   | 0.0   | 0.4   | 0.7   | -0.3  | 0.0   | -0.4  | -0.5  | -0.5  | -1.3   | -1.3   | -1.3   | -1.4   | -1.3   | -1.3   |
| PDX | -0.8  | -1.1  | -1.6  | -1.4  | -1.3  | -1.6  | -2.1  | -1.9  | -1.5  | -2.9   | -3.7   | -4.3   | -4.3   | -4.0   | -4.8   |
| PHL | -0.1  | -0.0  | 0.6   | 0.9   | 1.7   | 1.1   | 1.2   | 0.9   | 0.7   | 1.9    | 2.3    | 1.7    | 1.4    | 1.2    | 1.4    |
| SAC | 0.1   | 0.5   | 0.8   | 0.4   | 0.7   | 1.0   | 0.6   | 0.5   | 0.2   | -0.7   | -1.6   | -1.8   | -1.5   | -1.3   | -1.5   |
| SLC | 0.1   | 0.3   | 0.7   | 0.9   | 0.9   | 1.5   | 1.8   | 1.2   | 1.2   | 1.4    | 0.8    | 0.4    | 0.7    | 1.0    | 1.1    |
| TUS | 0.0   | -0.2  | -0.1  | -0.0  | -0.3  | 0.1   | 0.7   | 0.3   | -0.0  | -0.7   | -0.7   | -1.1   | -0.9   | -1.2   | -1.0   |

Min (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 0.2   | 0.1   | -0.3  | -0.4  | -0.1  | -0.3  | 0.1   | -0.2  | 0.0   | 0.8    | 0.6    | 0.2    | 0.2    | -0.2   | -1.0   |
| BOS | 0.5   | 0.9   | 1.0   | 1.2   | 1.1   | 0.9   | 0.9   | 0.9   | 1.0   | 1.1    | 1.0    | 0.7    | 0.5    | 0.2    | 0.0    |
| BWI | 0.6   | 0.6   | 0.7   | 0.5   | 0.7   | 0.3   | 0.8   | 1.1   | 1.3   | 1.8    | 1.9    | 1.5    | 1.1    | 0.8    | 0.6    |
| CVG | 0.0   | 0.1   | 0.1   | 0.4   | 0.4   | -0.1  | 0.7   | 0.6   | 1.0   | 2.0    | 1.5    | 1.5    | 1.6    | 1.3    | 0.8    |
| DFW | -0.6  | -0.8  | -0.7  | -0.3  | 0.1   | 0.3   | -0.7  | 0.3   | -0.1  | 0.4    | 1.0    | 1.1    | 1.2    | 0.9    | 0.4    |
| DSM | 0.1   | -0.1  | 0.3   | 1.2   | 0.8   | 0.9   | 0.1   | -0.0  | 0.9   | 0.8    | 0.8    | 1.2    | 1.2    | 2.0    | 1.6    |
| DTW | 0.3   | 0.0   | 0.5   | 1.4   | 1.4   | 0.9   | 1.2   | 0.9   | 0.7   | 1.3    | 1.1    | 1.2    | 1.5    | 0.8    | 1.0    |
| IAH | 0.0   | 0.2   | 0.4   | 0.3   | 0.7   | 0.7   | 0.9   | 1.3   | 1.5   | 0.8    | 0.7    | 0.5    | -0.2   | -0.5   | -1.4   |
| LAS | -0.3  | -0.3  | -0.3  | -0.7  | -0.5  | -0.7  | -1.0  | -1.6  | -2.4  | -3.0   | -3.2   | -3.9   | -4.4   | -4.8   | -5.0   |
| LGA | 0.3   | 0.5   | 0.8   | 1.0   | 0.7   | 0.4   | 0.2   | 0.4   | 0.6   | -0.1   | -0.6   | -0.8   | -1.0   | -1.4   | -1.6   |
| MCI | 0.4   | 0.1   | 0.5   | 0.7   | 0.2   | 0.6   | 0.4   | 0.4   | 0.8   | 0.1    | 0.3    | 0.8    | 1.1    | 1.8    | 0.9    |
| MSP | 0.2   | 0.4   | 0.5   | 1.3   | 0.5   | 0.8   | 0.3   | -0.1  | 0.2   | -0.2   | -0.3   | 0.5    | 0.3    | 1.4    | 1.0    |
| ORD | -0.1  | -0.1  | -0.2  | 0.0   | -0.7  | -0.3  | -0.8  | -1.0  | -1.4  | -1.0   | -0.5   | -0.2   | -0.3   | -0.2   | -0.1   |
| PDX | -2.8  | -0.1  | -0.2  | -0.3  | -0.4  | 0.0   | 0.3   | -0.1  | -0.2  | -0.3   | -0.6   | -0.8   | -0.6   | -0.7   | -0.8   |
| PHL | 0.1   | 0.4   | 0.6   | 0.5   | 0.7   | 0.6   | 0.4   | 0.6   | 0.9   | 0.8    | 0.6    | 0.2    | -0.0   | -0.2   | -0.4   |
| SAC | 0.5   | 0.7   | 1.8   | 0.9   | 0.5   | 0.7   | 0.8   | 0.5   | 0.3   | -0.3   | 0.3    | -0.2   | -0.5   | -0.6   | -0.9   |
| SLC | 0.1   | 0.3   | 0.6   | 0.5   | 0.7   | 0.6   | 0.6   | 0.9   | 1.1   | 0.9    | 1.8    | 1.7    | 1.5    | 1.8    | 1.8    |
| TUS | 0.0   | -0.0  | -0.5  | -0.4  | -0.3  | -0.1  | 0.3   | 0.4   | 0.7   | 0.4    | 0.8    | 0.1    | 0.2    | 0.3    | -0.1   |

# MEX Temperature BIAS in CME18

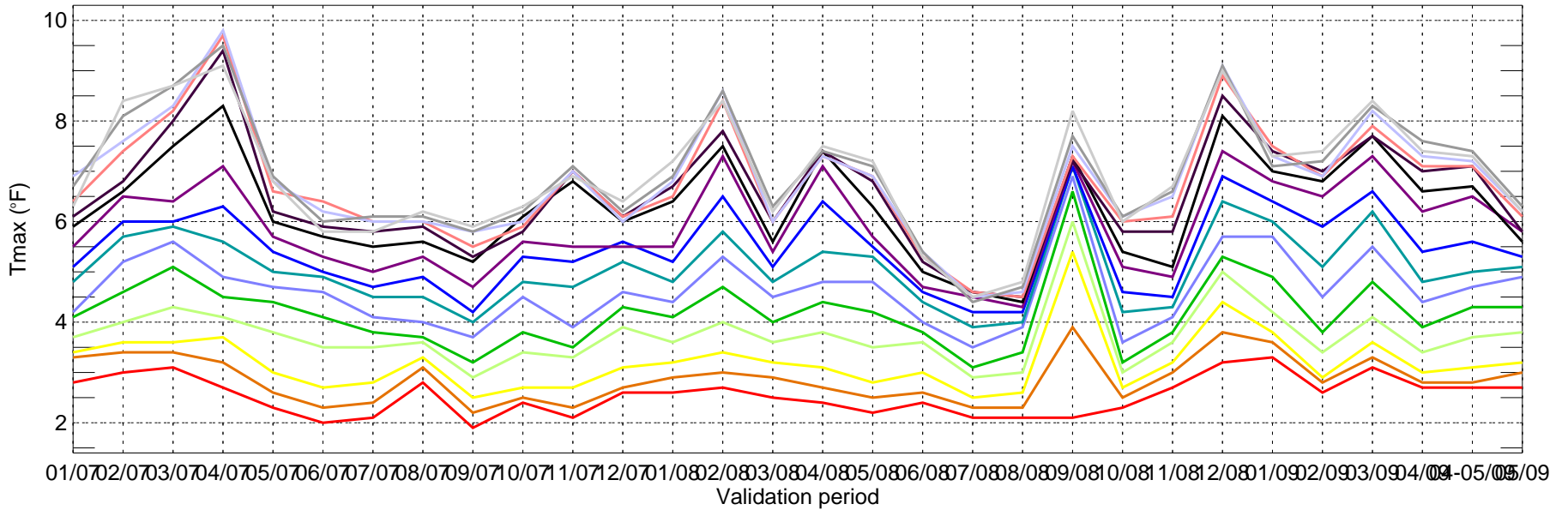
Max (2009-05-01~2009-05-31)

|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | -0.3  | 0.3   | 0.6   | 0.7   | 0.7   | -0.0  | 0.9   | 0.6   | 0.4   | 0.1    | -0.1   | -0.4   | -0.6   | -0.8   | -1.0   |
| BOS | -0.3  | -0.4  | -1.0  | -1.9  | -1.6  | -2.0  | -2.5  | -3.5  | -3.8  | -4.2   | -4.5   | -4.9   | -5.2   | -5.6   | -5.9   |
| BWI | -0.1  | 0.6   | 0.4   | 0.7   | -0.6  | 0.5   | 0.7   | -1.6  | -1.9  | -2.2   | -2.5   | -2.8   | -3.1   | -3.4   | -3.7   |
| CVG | -0.7  | -1.2  | -1.5  | -1.4  | -1.5  | -1.2  | -0.6  | -1.9  | -2.2  | -2.5   | -2.8   | -3.2   | -3.5   | -3.8   | -4.1   |
| DFW | -0.5  | -0.5  | 0.1   | 0.2   | 0.8   | 1.7   | 1.7   | -1.4  | -1.6  | -1.9   | -2.1   | -2.4   | -2.6   | -2.8   | -3.1   |
| DSM | -0.4  | -0.3  | -0.1  | -0.6  | -0.8  | -1.1  | -0.5  | -3.0  | -3.3  | -3.7   | -4.0   | -4.4   | -4.7   | -5.1   | -5.4   |
| DTW | 0.7   | 0.4   | -0.9  | -2.6  | -3.4  | -1.4  | -0.4  | -2.3  | -2.7  | -3.1   | -3.5   | -3.9   | -4.3   | -4.7   | -5.1   |
| IAH | 0.0   | -0.0  | -0.2  | -1.0  | -0.2  | -0.2  | -0.3  | -3.5  | -3.7  | -4.0   | -4.2   | -4.4   | -4.6   | -4.8   | -5.1   |
| LAS | 0.5   | -0.7  | -0.3  | -1.1  | -1.9  | -1.6  | -1.8  | -9.6  | -10.0 | -10.3  | -10.6  | -11.0  | -11.3  | -11.6  | -11.9  |
| LGA | 0.4   | 1.0   | 0.9   | -0.7  | -0.5  | -1.3  | 0.1   | -2.1  | -2.4  | -2.8   | -3.1   | -3.5   | -3.8   | -4.2   | -4.5   |
| MCI | -0.1  | -0.3  | 0.3   | 0.4   | 1.1   | 0.5   | 0.6   | -2.3  | -2.5  | -2.9   | -3.2   | -3.5   | -3.8   | -4.1   | -4.4   |
| MSP | -2.2  | -2.5  | -3.3  | -4.0  | -4.7  | -4.1  | -3.0  | -4.2  | -4.5  | -5.0   | -5.4   | -5.8   | -6.2   | -6.6   | -7.0   |
| ORD | -1.2  | -0.5  | -2.7  | -2.0  | -3.9  | -2.8  | -2.6  | -3.3  | -3.7  | -4.1   | -4.5   | -4.8   | -5.2   | -5.6   | -6.0   |
| PDX | -1.7  | -1.8  | -2.6  | -2.1  | -2.9  | -3.6  | -3.6  | -6.3  | -6.5  | -6.7   | -6.9   | -7.1   | -7.4   | -7.5   | -7.7   |
| PHL | -0.2  | -0.6  | -1.0  | -1.1  | -1.7  | -0.9  | -0.2  | -4.3  | -4.6  | -4.9   | -5.3   | -5.6   | -5.9   | -6.2   | -6.5   |
| SAC | -1.4  | -1.6  | -2.2  | -2.1  | -0.8  | -0.6  | -2.1  | -5.8  | -6.1  | -6.4   | -6.7   | -7.0   | -7.3   | -7.5   | -7.8   |
| SLC | 0.6   | 0.9   | 1.5   | 1.6   | 1.6   | 0.9   | 0.4   | -5.6  | -6.0  | -6.3   | -6.6   | -7.0   | -7.3   | -7.6   | -8.0   |
| TUS | 0.3   | 0.4   | 0.0   | 1.3   | 1.7   | 2.0   | 2.0   | -6.9  | -7.2  | -7.5   | -7.8   | -8.1   | -8.4   | -8.6   | -8.9   |

Min (2009-05-01~2009-05-31)

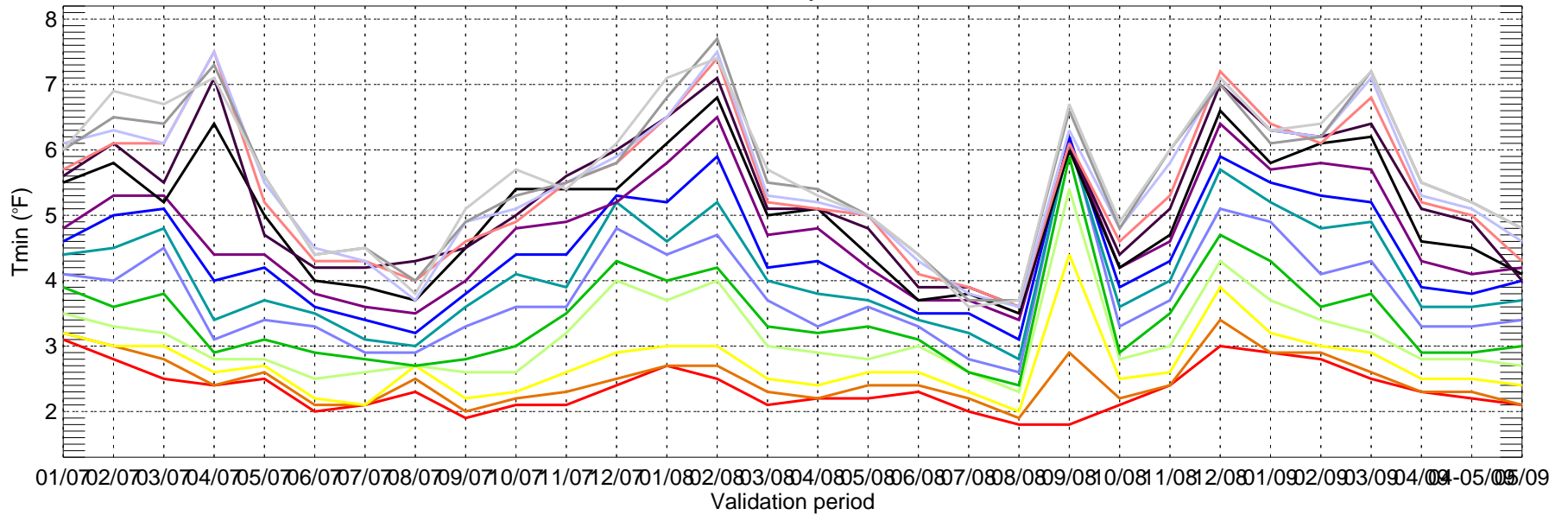
|     | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| ATL | 0.0   | -1.2  | -1.1  | -1.3  | -1.2  | -1.5  | -1.1  | -5.2  | -5.5  | -5.8   | -6.1   | -6.4   | -6.7   | -7.0   | -7.3   |
| BOS | 0.0   | 0.8   | 0.5   | 0.2   | 0.0   | -0.2  | -0.1  | -3.1  | -3.4  | -3.7   | -4.0   | -4.4   | -4.6   | -5.0   | -5.3   |
| BWI | 0.0   | 0.2   | 0.1   | 0.6   | 0.7   | 0.6   | 0.9   | -4.3  | -4.6  | -5.0   | -5.3   | -5.6   | -5.9   | -6.3   | -6.6   |
| CVG | 0.0   | -0.6  | -0.6  | -1.3  | 0.4   | 0.5   | 0.4   | -3.4  | -3.8  | -4.1   | -4.5   | -4.8   | -5.1   | -5.5   | -5.8   |
| DFW | 0.0   | -0.0  | 0.7   | 0.4   | 1.4   | 1.4   | 1.8   | -2.8  | -3.1  | -3.4   | -3.7   | -4.0   | -4.3   | -4.6   | -4.9   |
| DSM | 0.0   | -0.5  | 0.0   | 0.0   | -0.3  | -0.6  | 0.4   | -4.0  | -4.4  | -4.8   | -5.2   | -5.5   | -5.9   | -6.3   | -6.7   |
| DTW | 0.0   | 1.5   | 1.2   | 0.1   | -0.4  | 0.5   | 0.7   | -1.9  | -2.3  | -2.6   | -3.0   | -3.4   | -3.7   | -4.1   | -4.4   |
| IAH | 0.0   | -0.3  | 0.0   | -0.4  | -0.1  | 0.1   | 0.5   | -4.4  | -4.7  | -5.0   | -5.3   | -5.5   | -5.8   | -6.1   | -6.4   |
| LAS | 0.0   | 0.5   | 0.5   | 0.3   | -1.0  | -2.4  | -2.9  | -11.5 | -11.8 | -12.1  | -12.4  | -12.7  | -13.0  | -13.3  | -13.6  |
| LGA | 0.0   | 1.6   | 1.1   | 1.3   | 0.2   | 0.5   | 0.5   | -3.1  | -3.4  | -3.7   | -4.1   | -4.4   | -4.7   | -5.0   | -5.4   |
| MCI | 0.0   | -0.2  | 0.2   | 0.8   | 0.6   | 0.1   | 0.5   | -3.3  | -3.6  | -3.9   | -4.3   | -4.6   | -5.0   | -5.3   | -5.7   |
| MSP | 0.0   | 0.1   | -0.0  | -0.5  | -0.7  | -0.6  | 0.2   | -4.1  | -4.5  | -4.9   | -5.3   | -5.7   | -6.1   | -6.5   | -6.9   |
| ORD | 0.0   | -0.7  | -0.7  | -0.2  | -0.6  | -0.5  | 0.5   | -4.0  | -4.4  | -4.7   | -5.0   | -5.4   | -5.7   | -6.0   | -6.4   |
| PDX | 0.0   | -0.9  | -0.2  | 0.1   | 0.6   | 0.5   | 0.4   | -2.9  | -3.1  | -3.3   | -3.5   | -3.7   | -3.9   | -4.1   | -4.3   |
| PHL | 0.0   | 0.1   | -0.3  | 0.0   | 0.1   | -0.2  | 0.2   | -3.5  | -3.8  | -4.2   | -4.5   | -4.9   | -5.2   | -5.6   | -5.9   |
| SAC | 0.0   | 0.5   | 0.5   | 0.3   | 0.5   | 0.8   | -0.7  | -3.9  | -4.1  | -4.3   | -4.4   | -4.6   | -4.7   | -4.9   | -5.1   |
| SLC | 0.0   | 2.0   | 2.3   | 2.8   | 2.8   | 1.2   | 1.6   | -4.4  | -4.7  | -5.0   | -5.3   | -5.5   | -5.8   | -6.1   | -6.4   |
| TUS | 0.0   | 0.6   | 0.6   | 0.5   | -0.5  | 0.1   | -0.2  | -8.8  | -9.1  | -9.4   | -9.7   | -10.0  | -10.3  | -10.5  | -10.8  |

CME18: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



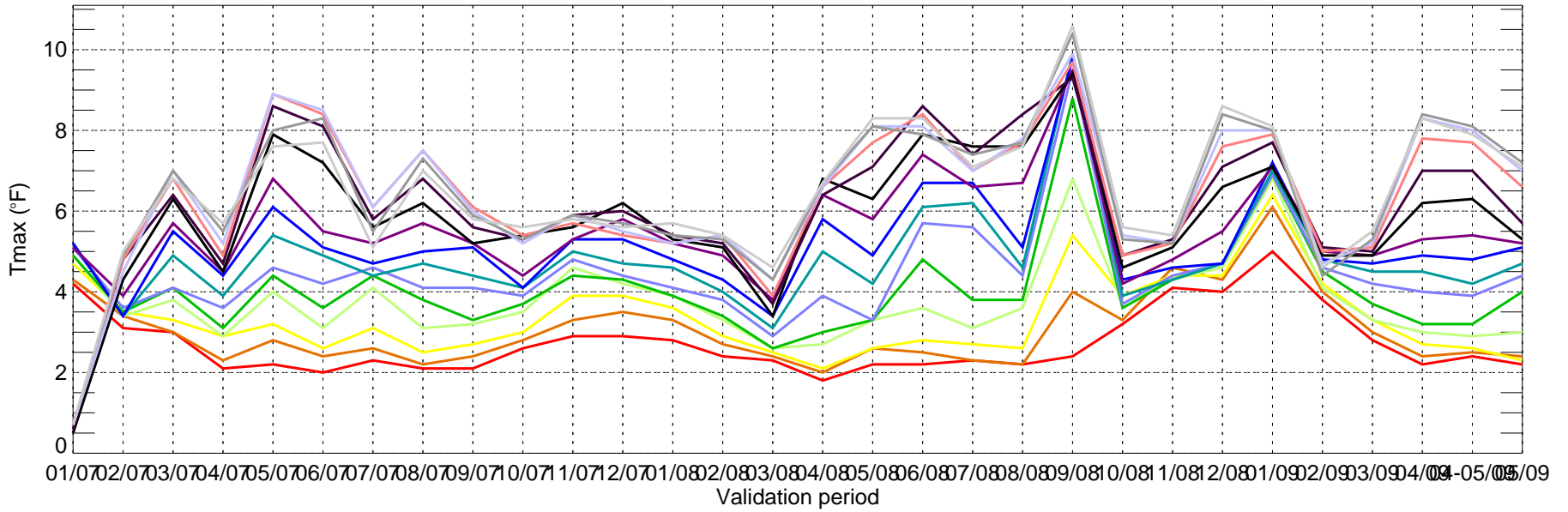
■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
■ day11    ■ day12    ■ day13    ■ day14    ■ day15

CME18: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



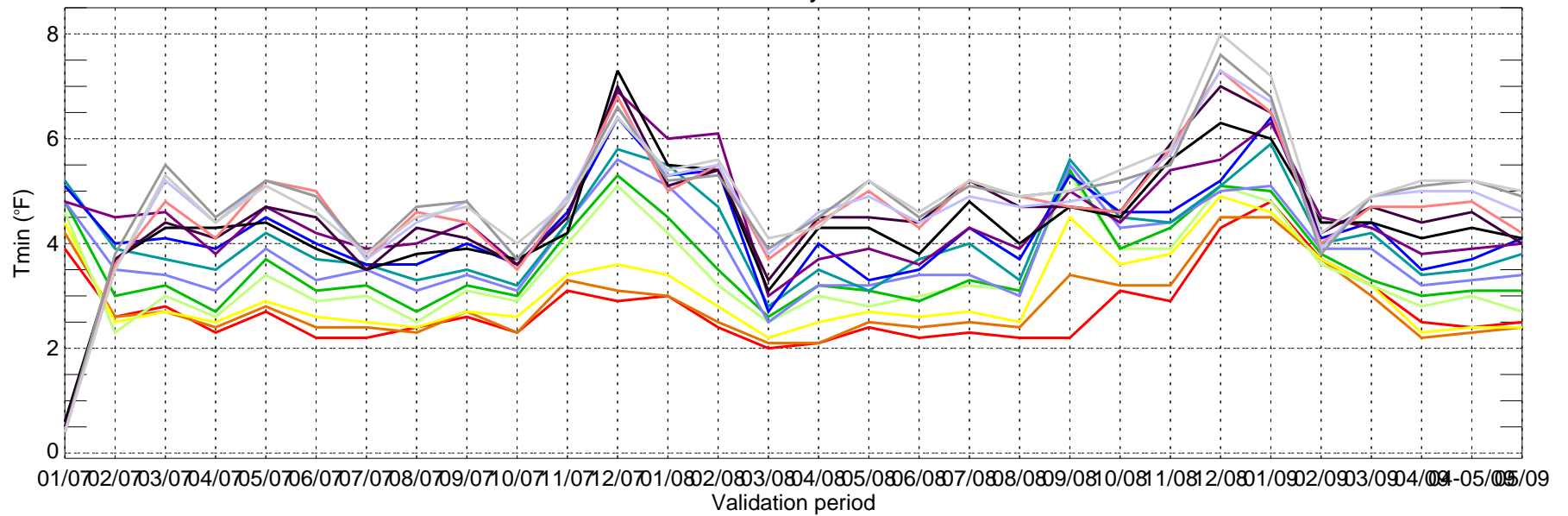
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USNW: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



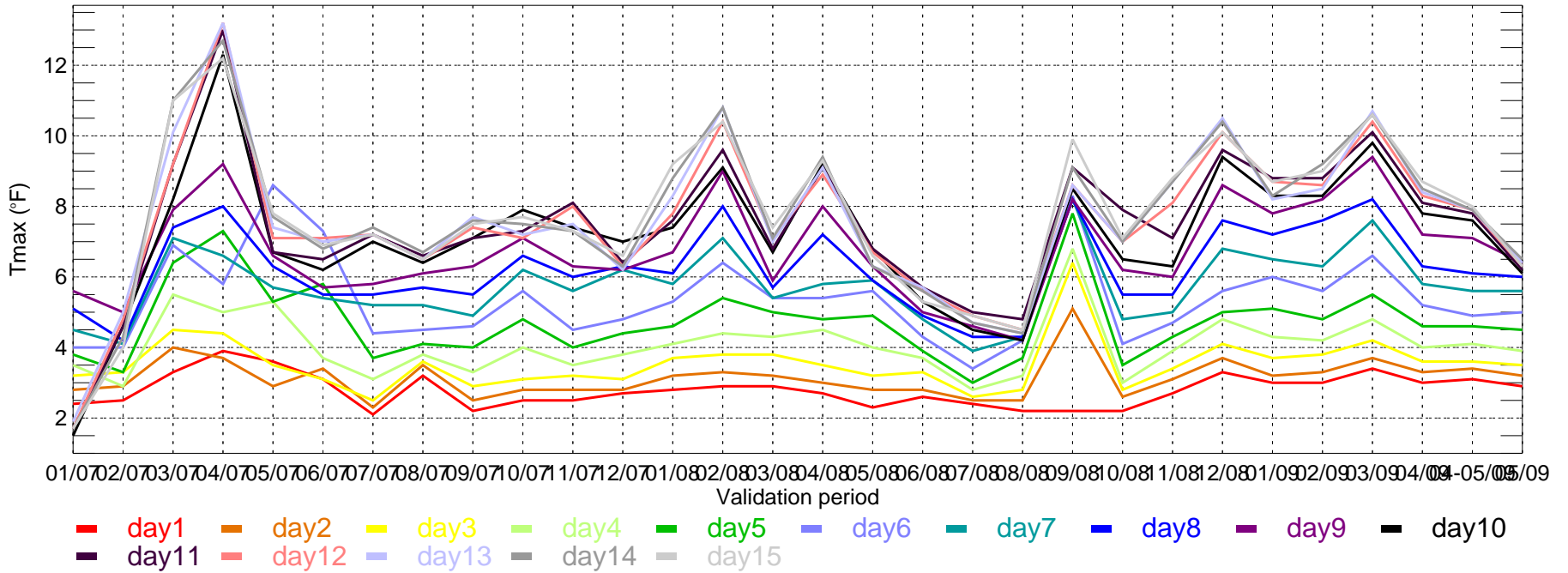
■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
■ day11    ■ day12    ■ day13    ■ day14    ■ day15

USNW: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

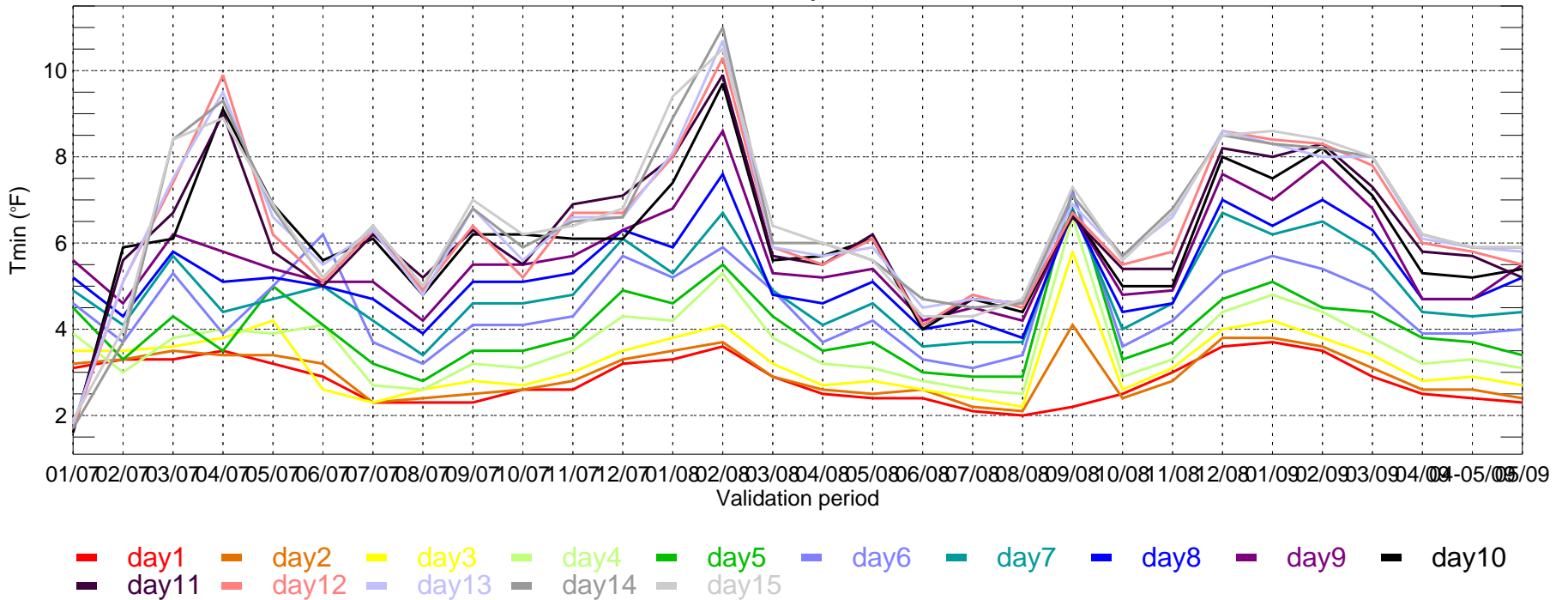


■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
■ day11    ■ day12    ■ day13    ■ day14    ■ day15

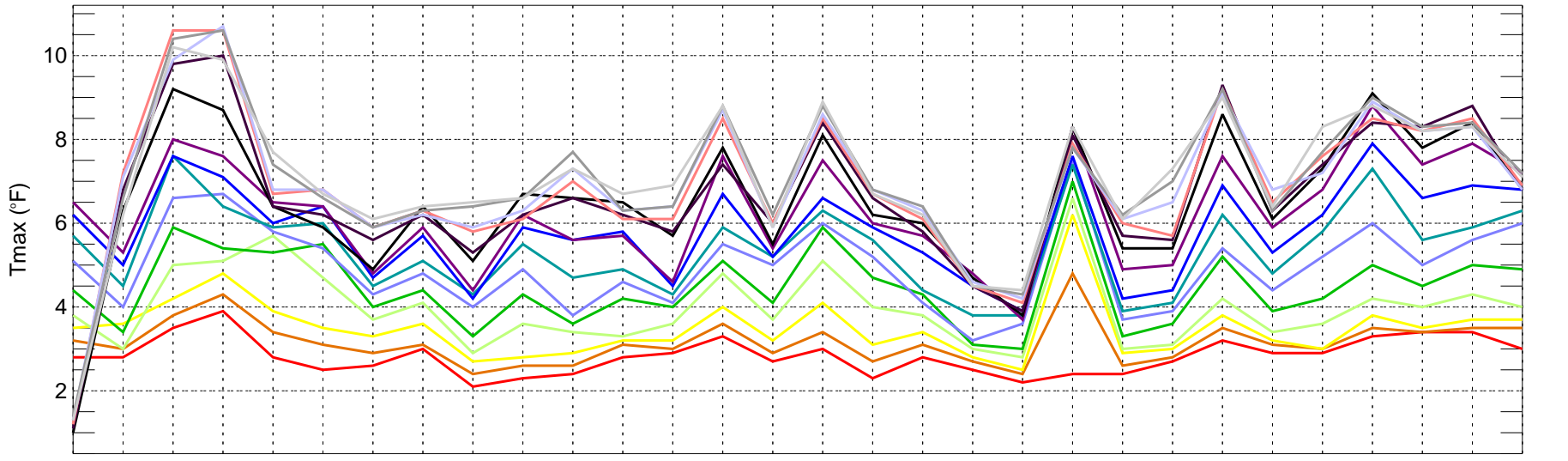
USNC: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



USNC: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



USNE: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

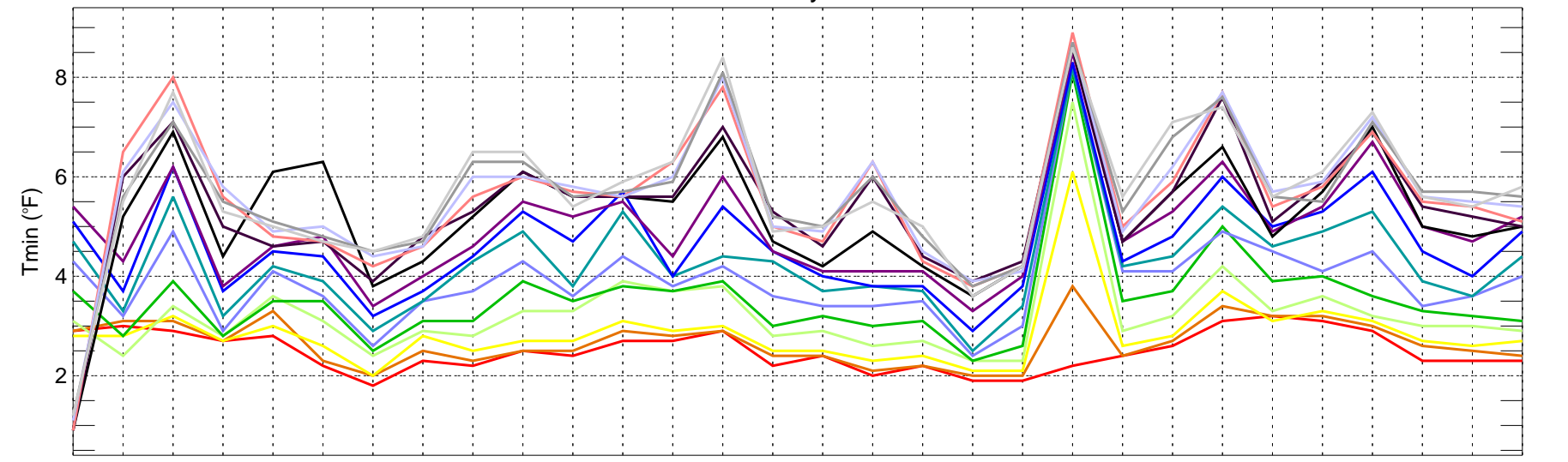


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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USNE: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

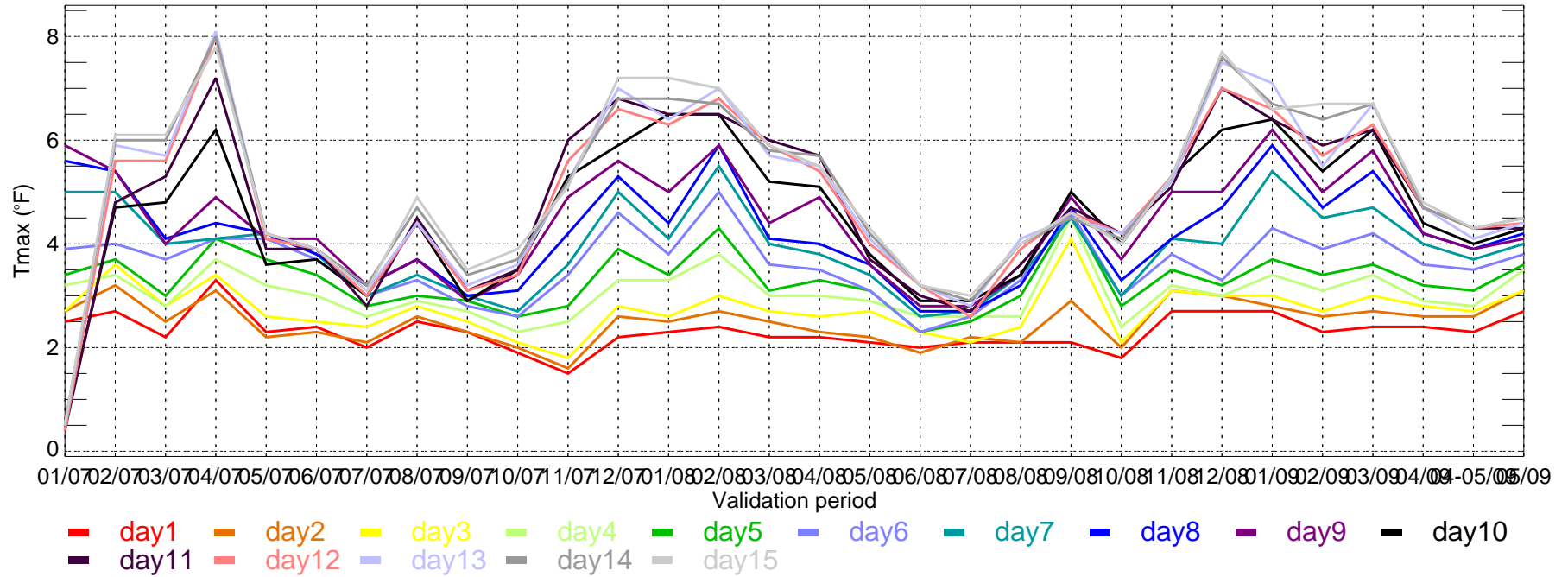


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

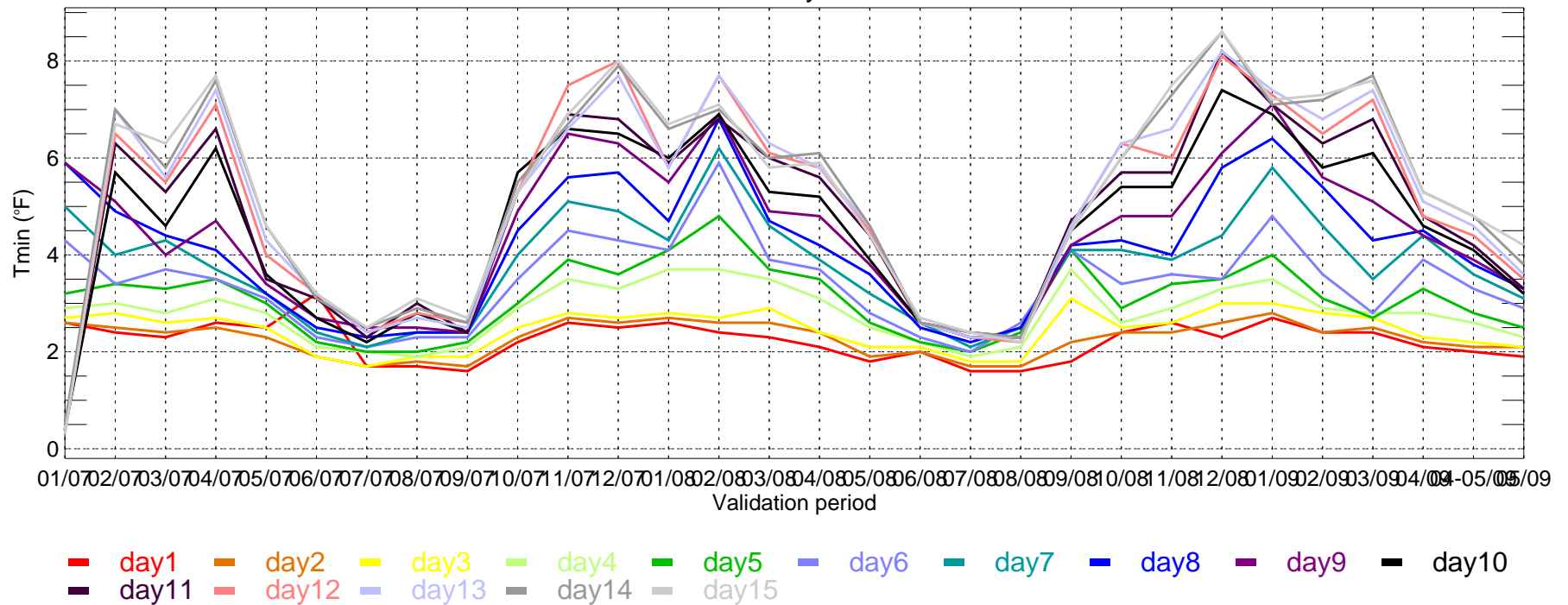
Validation period

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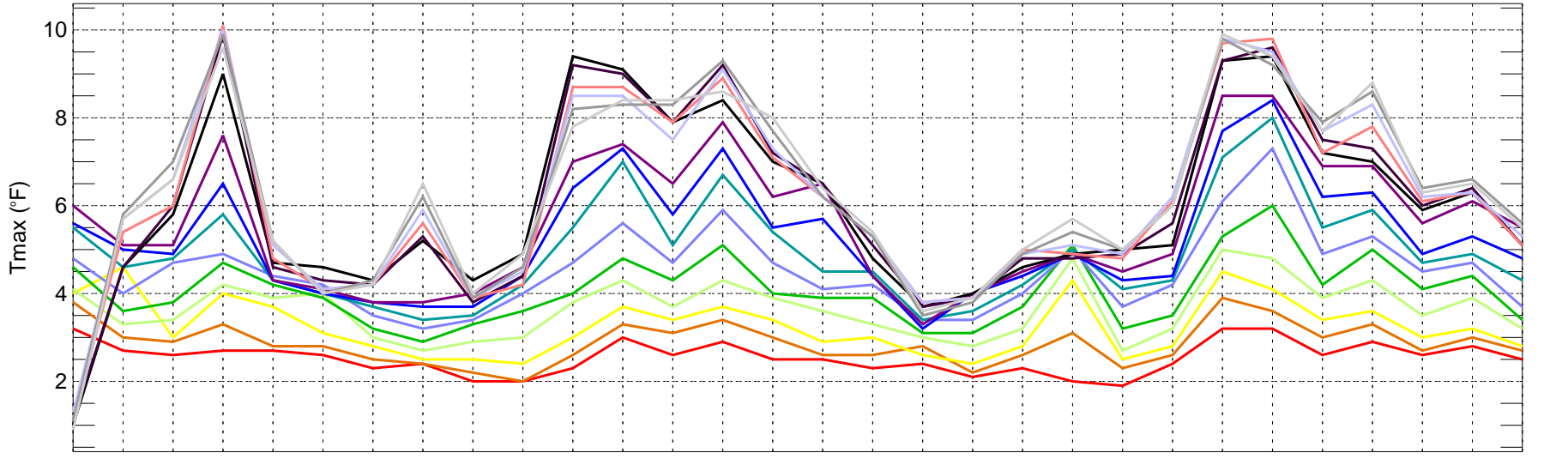
USSE: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



USSE: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



USSC: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

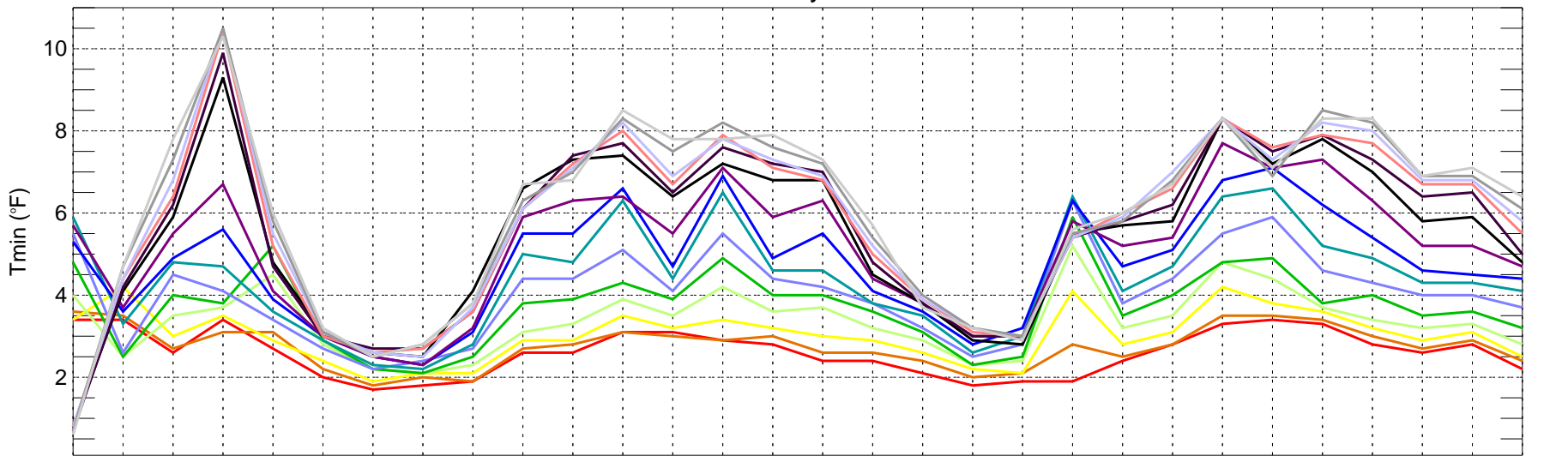


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Validation period

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USSC: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

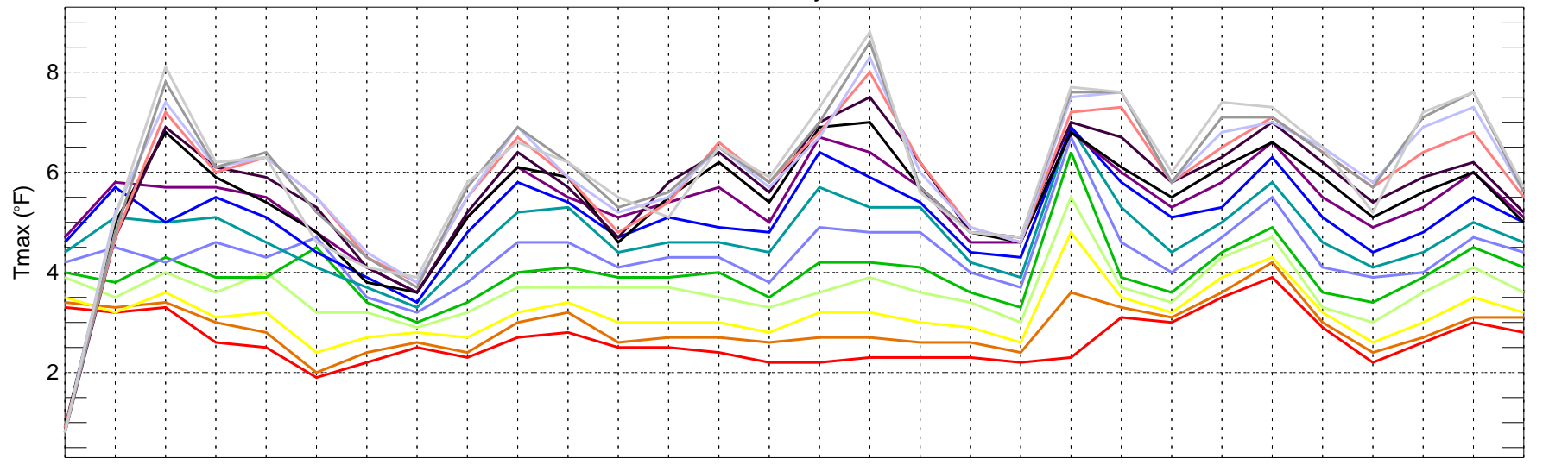


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Validation period

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USSW: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

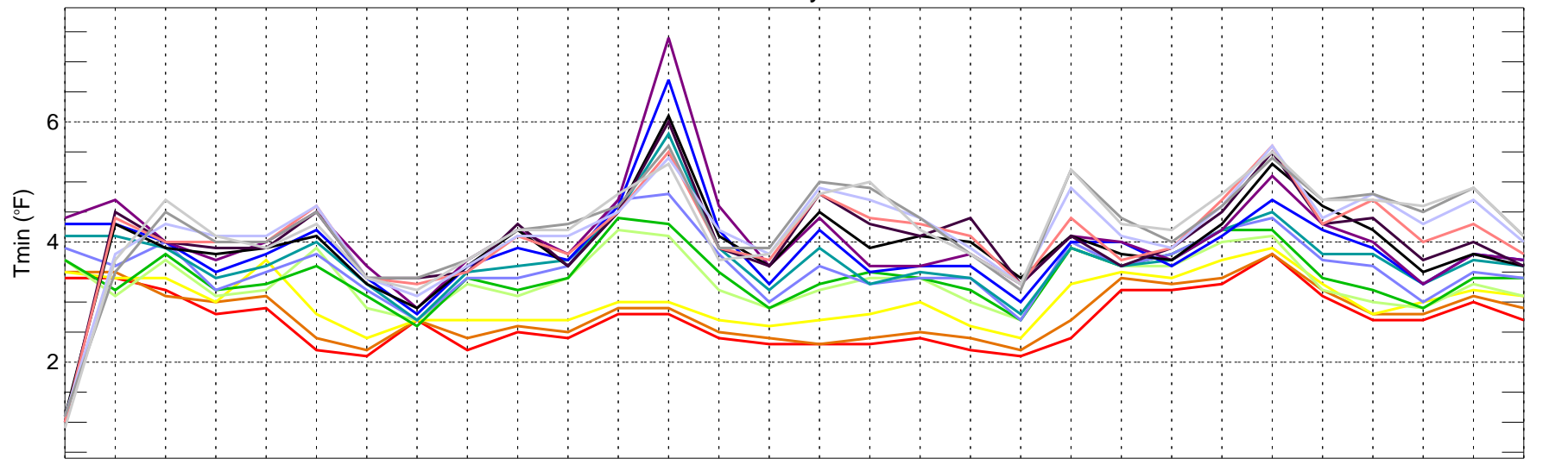


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Validation period

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USSW: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

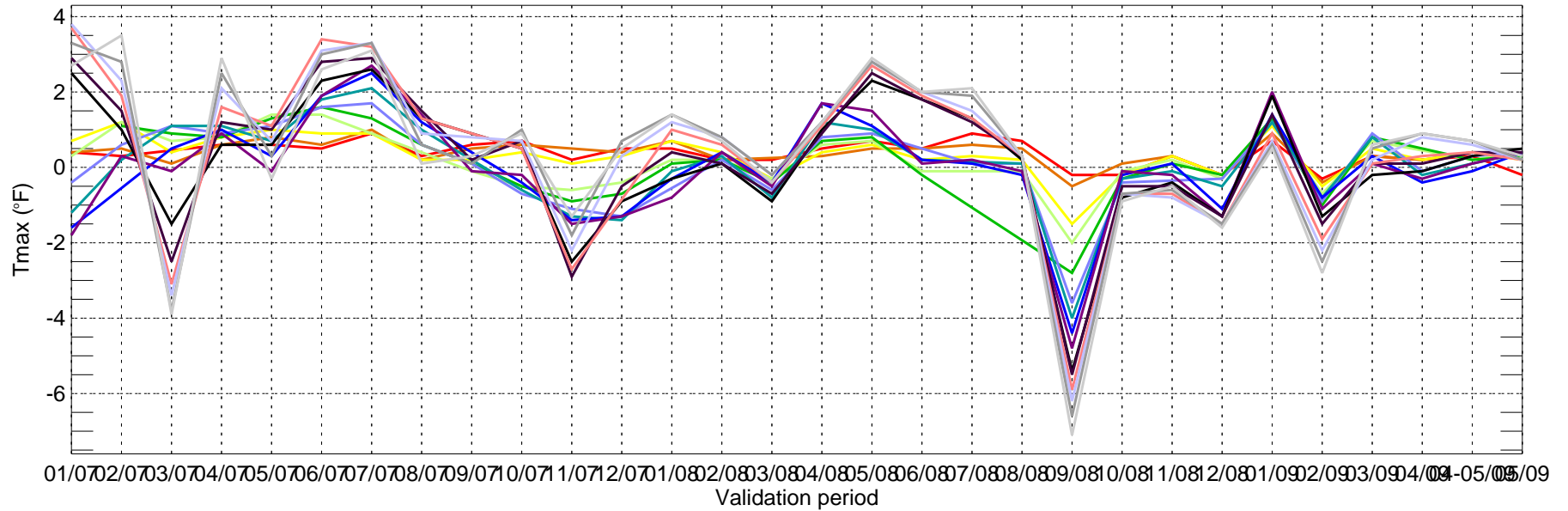


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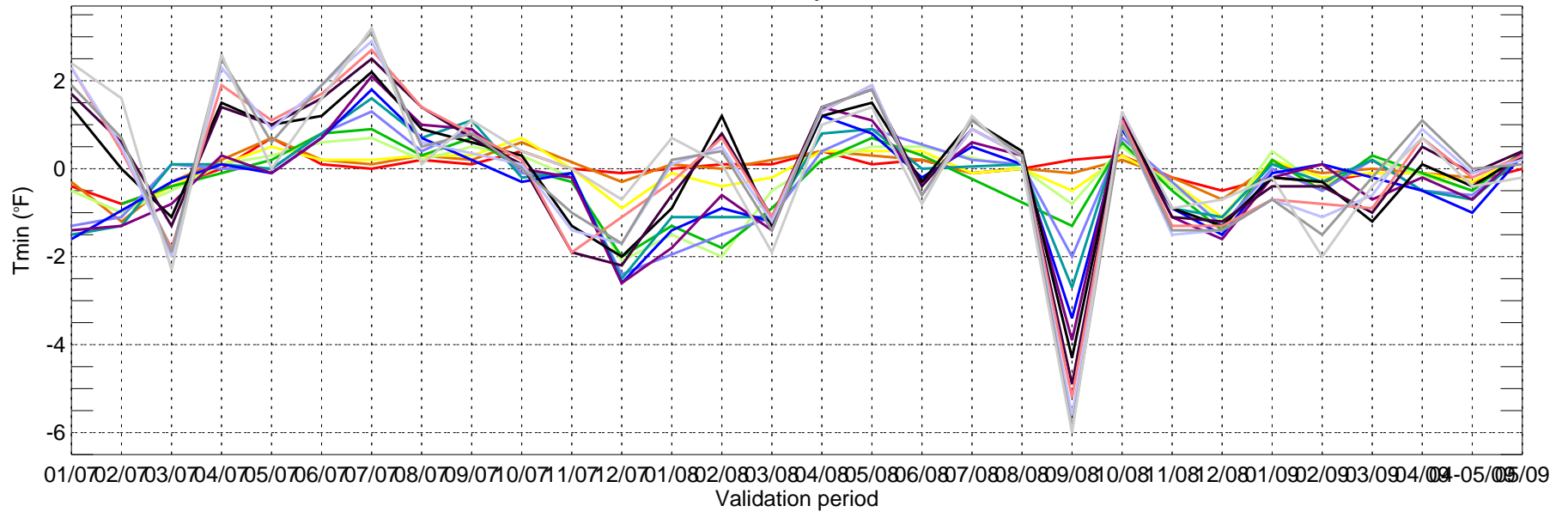
Validation period

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CME18: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

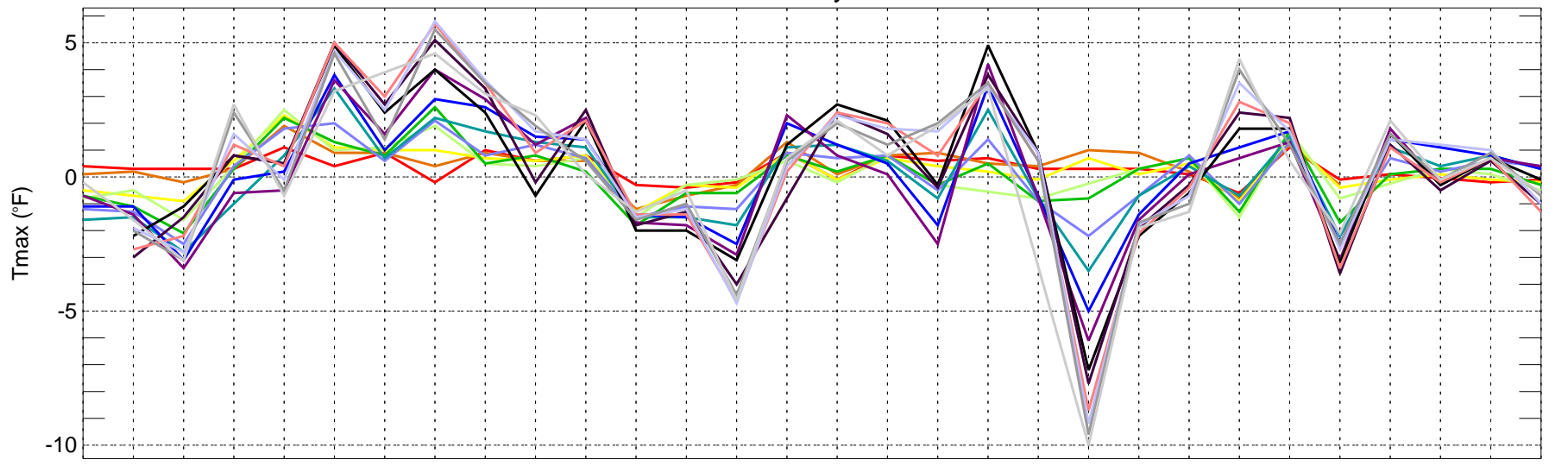


CME18: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



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USNW: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

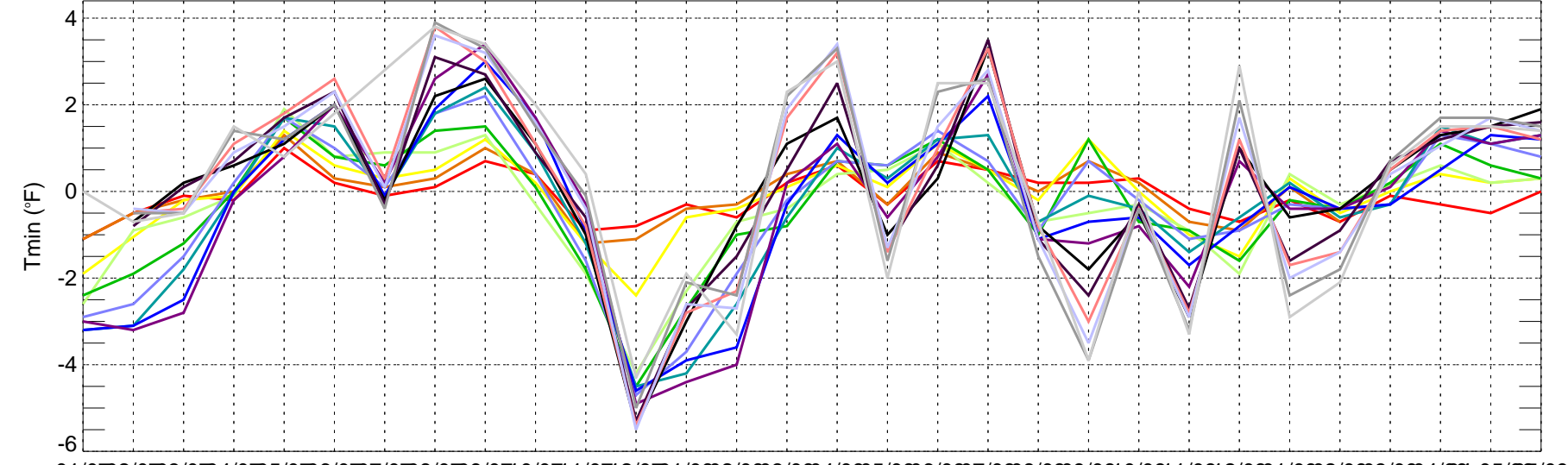


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Validation period

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USNW: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

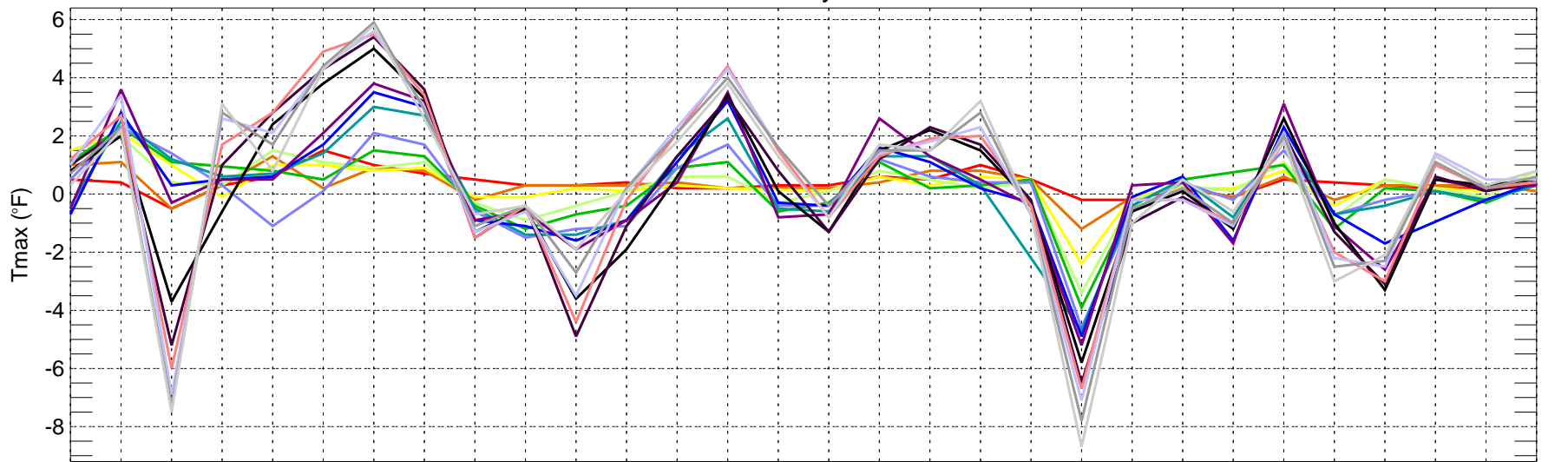


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Validation period

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USNC: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

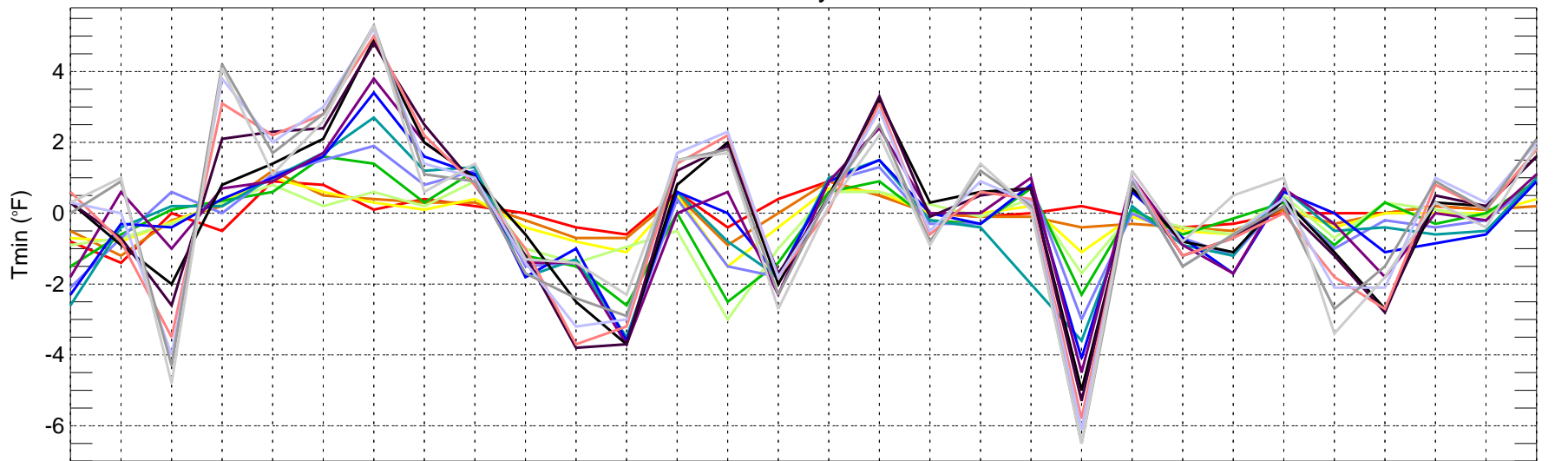


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Validation period

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USNC: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

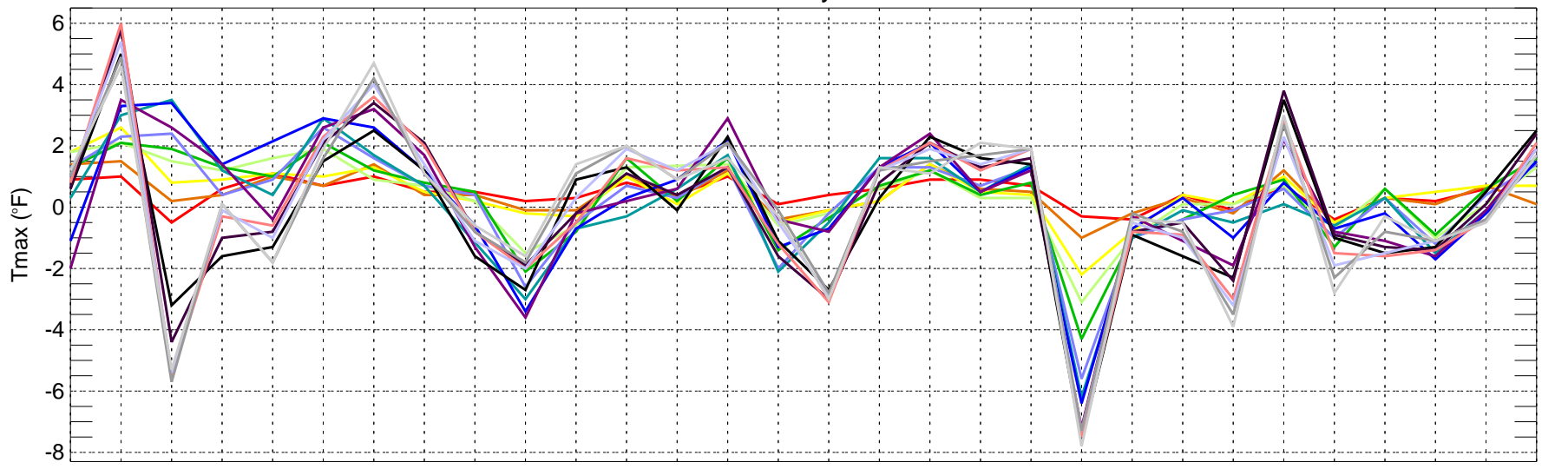


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Validation period

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USNE: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

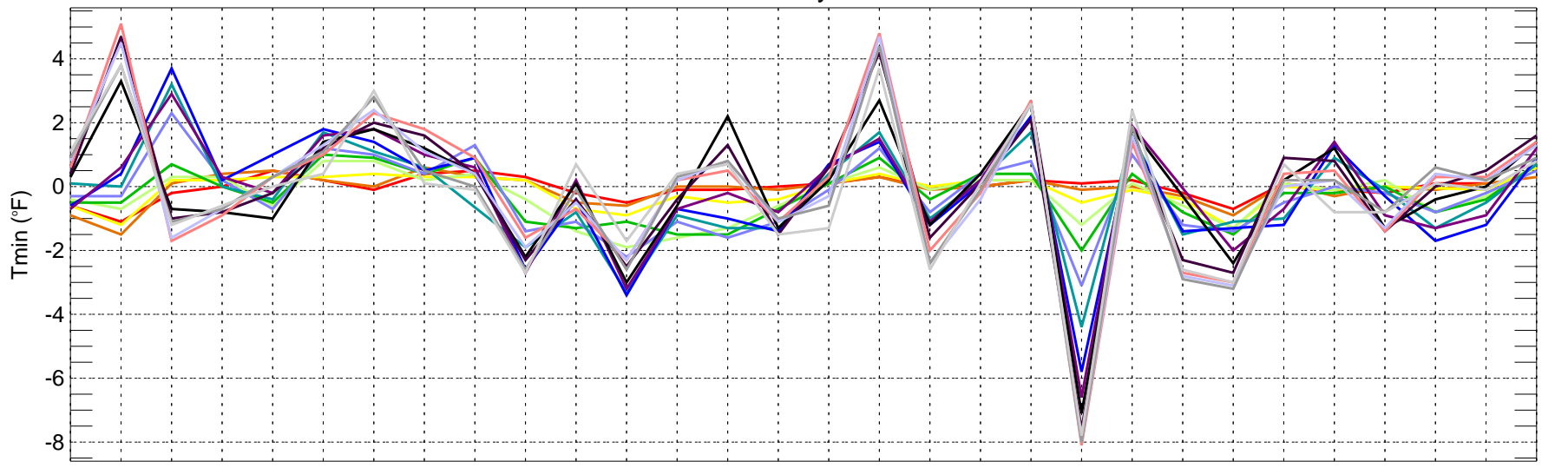


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Validation period

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USNE: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

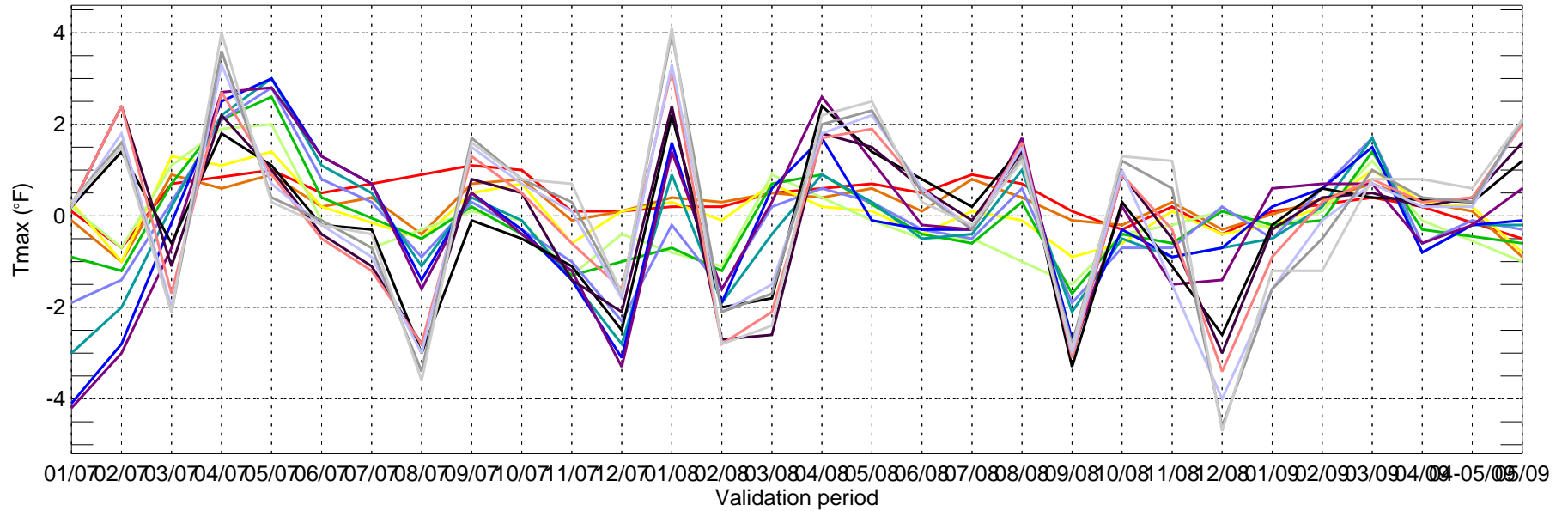


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Validation period

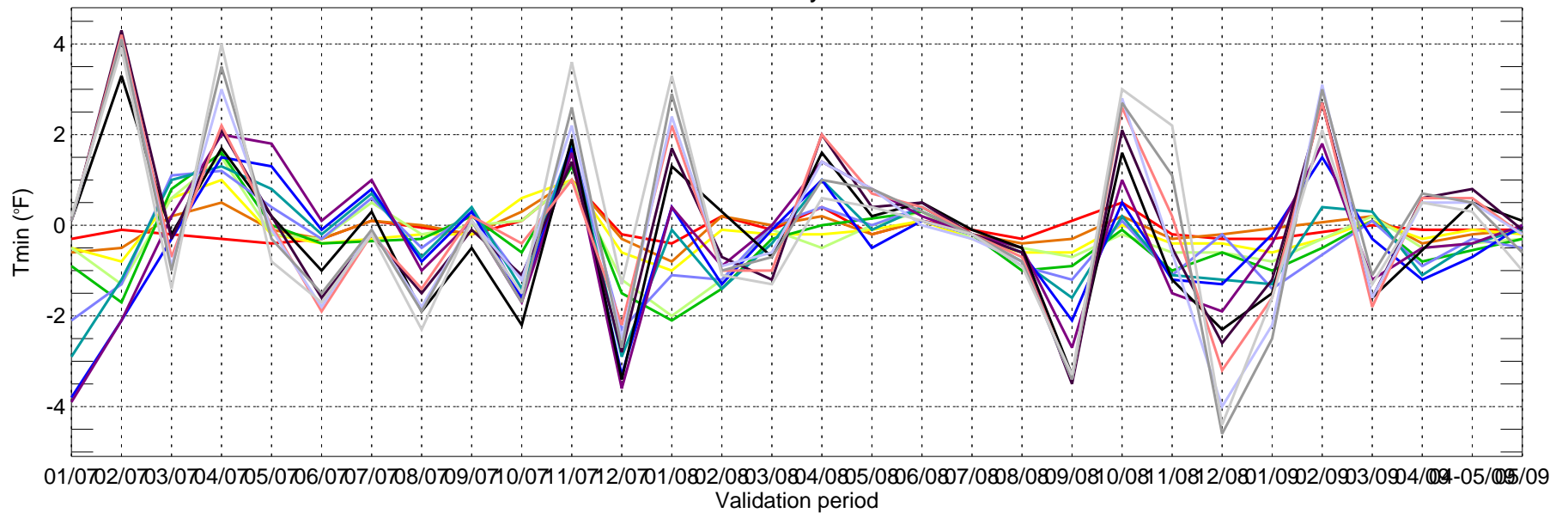
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USSE: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



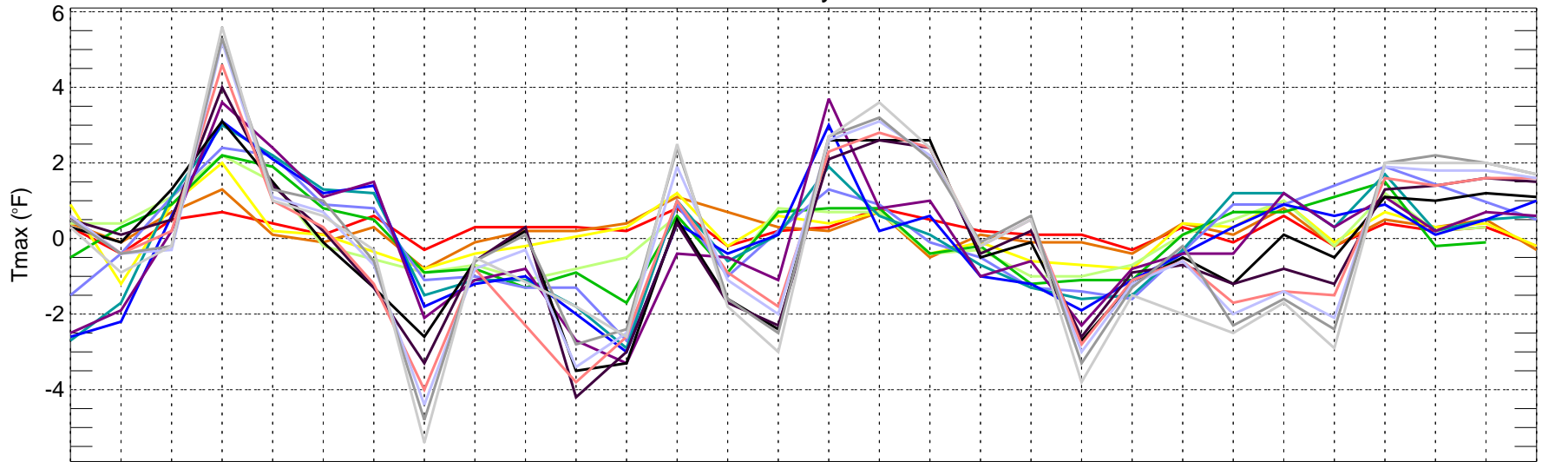
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USSE: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



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USSC: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

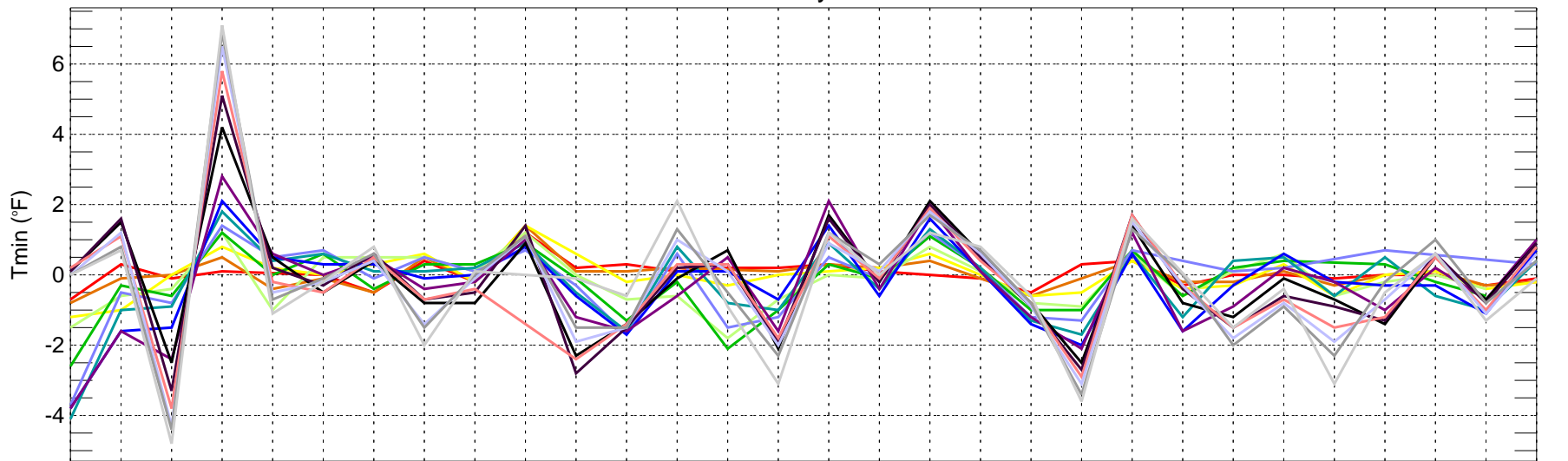


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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USSC: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

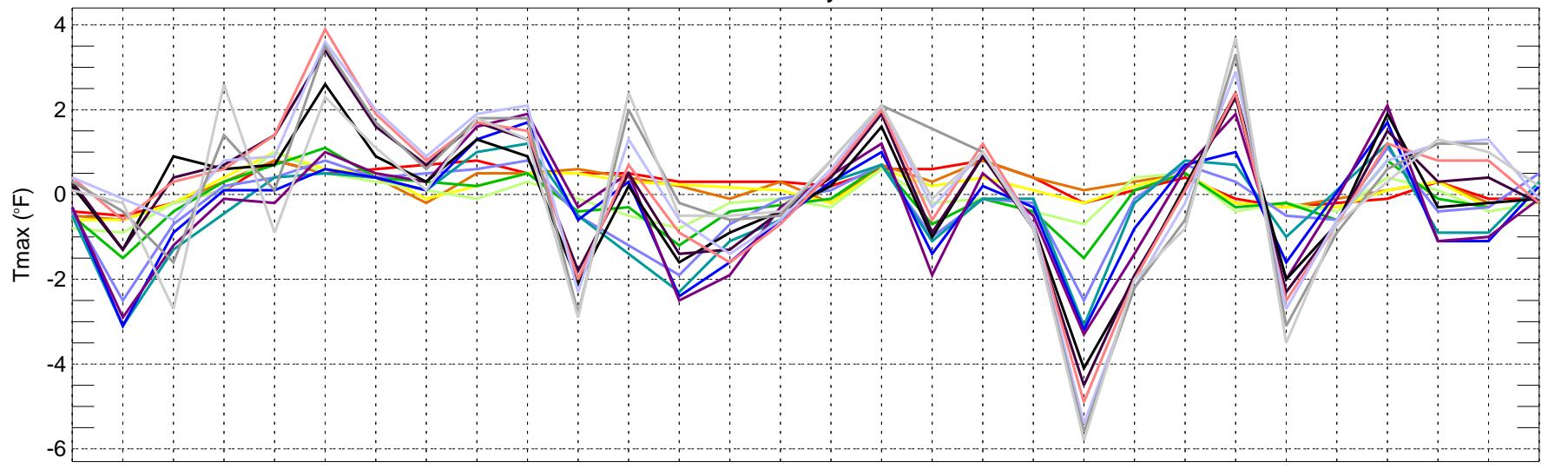


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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USSW: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

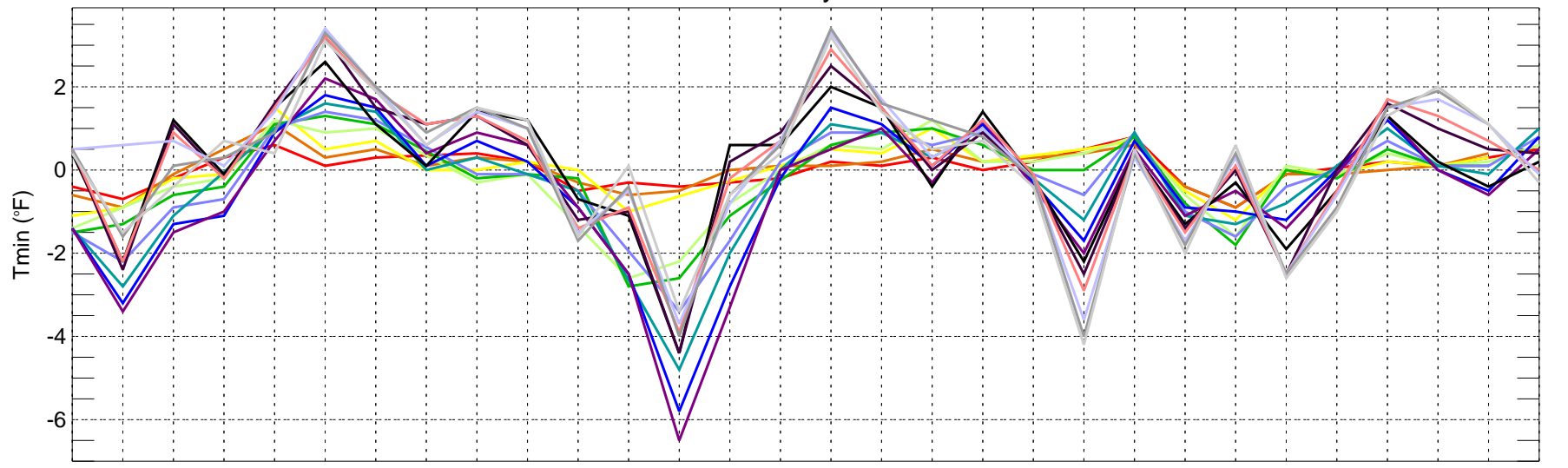


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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USSW: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

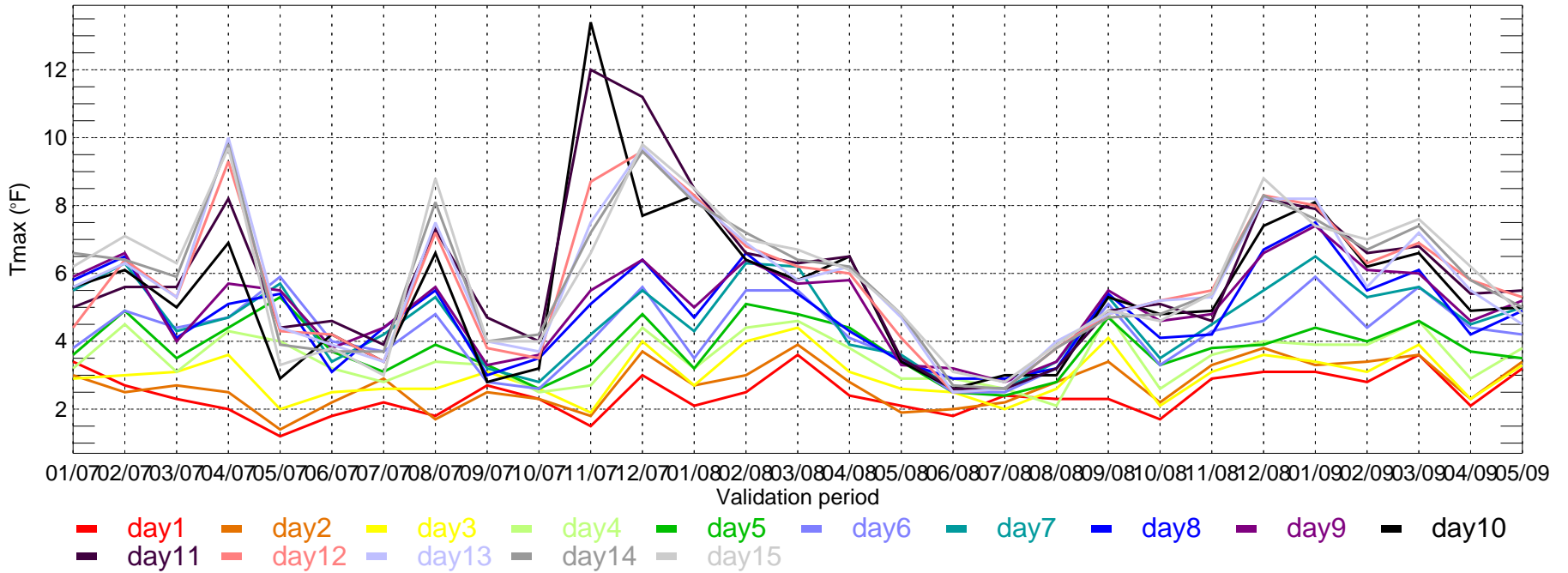


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

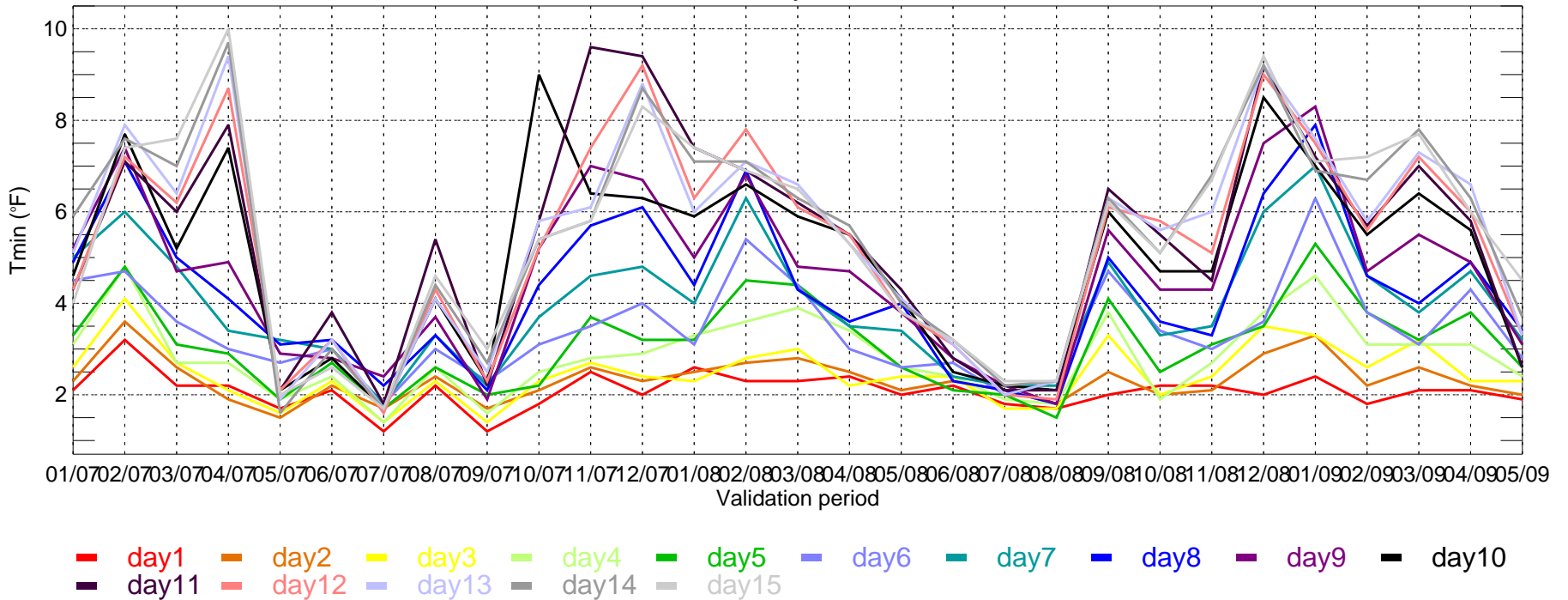
Validation period

- day1
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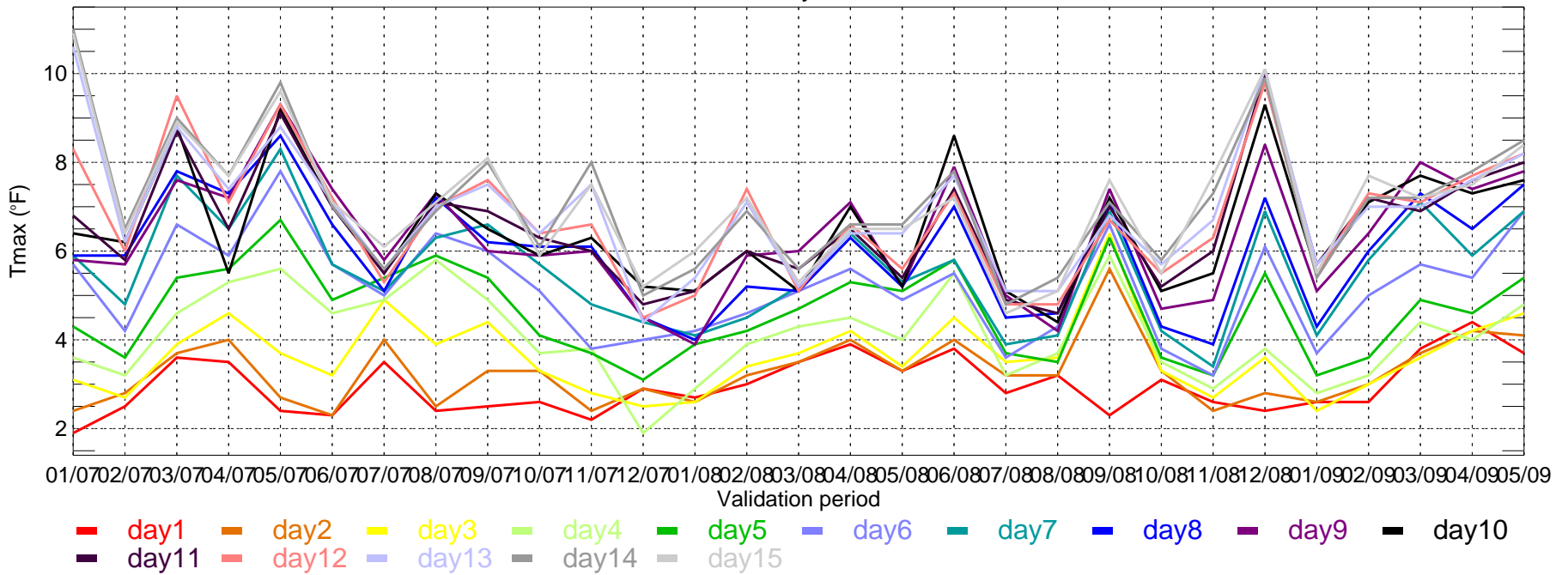
ATL: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



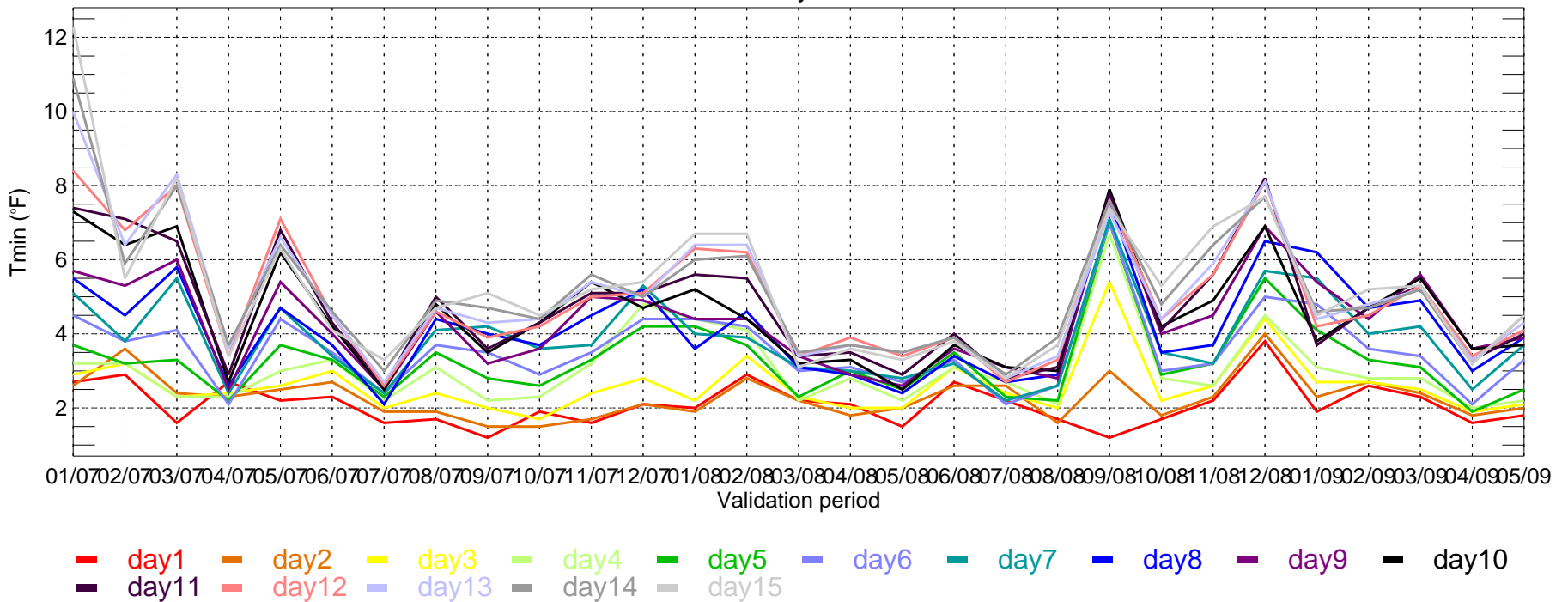
ATL: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



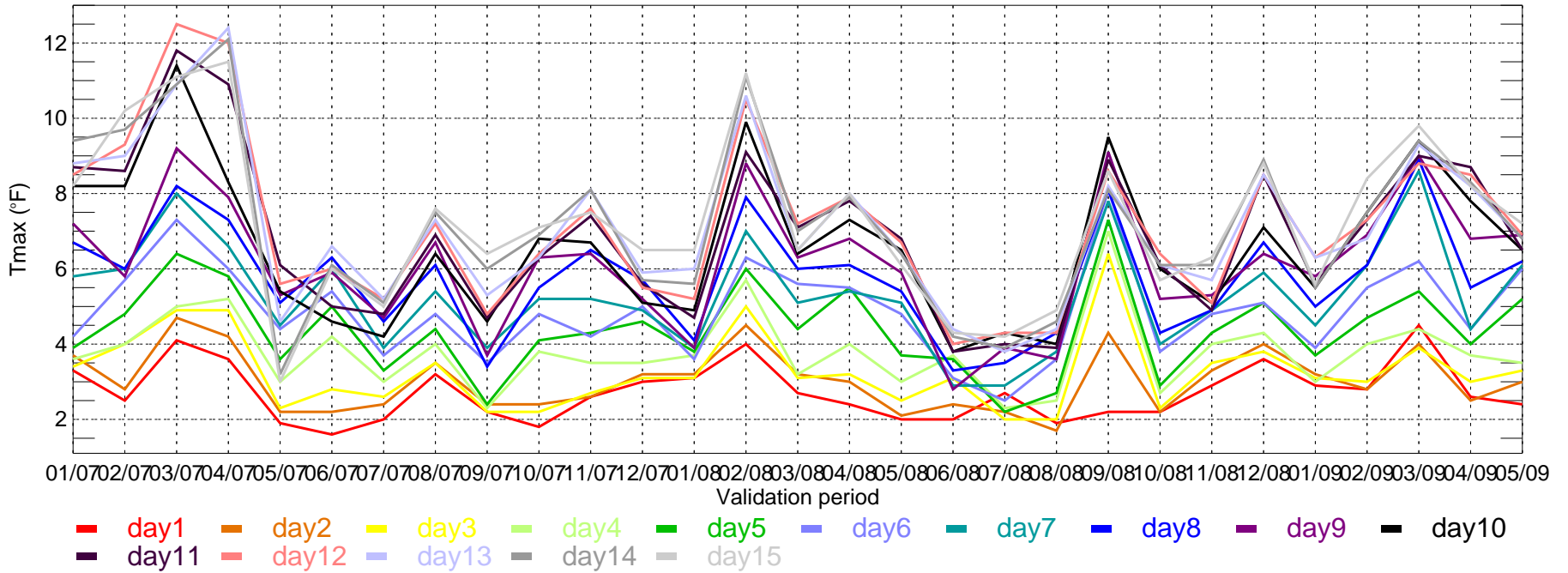
BOS: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



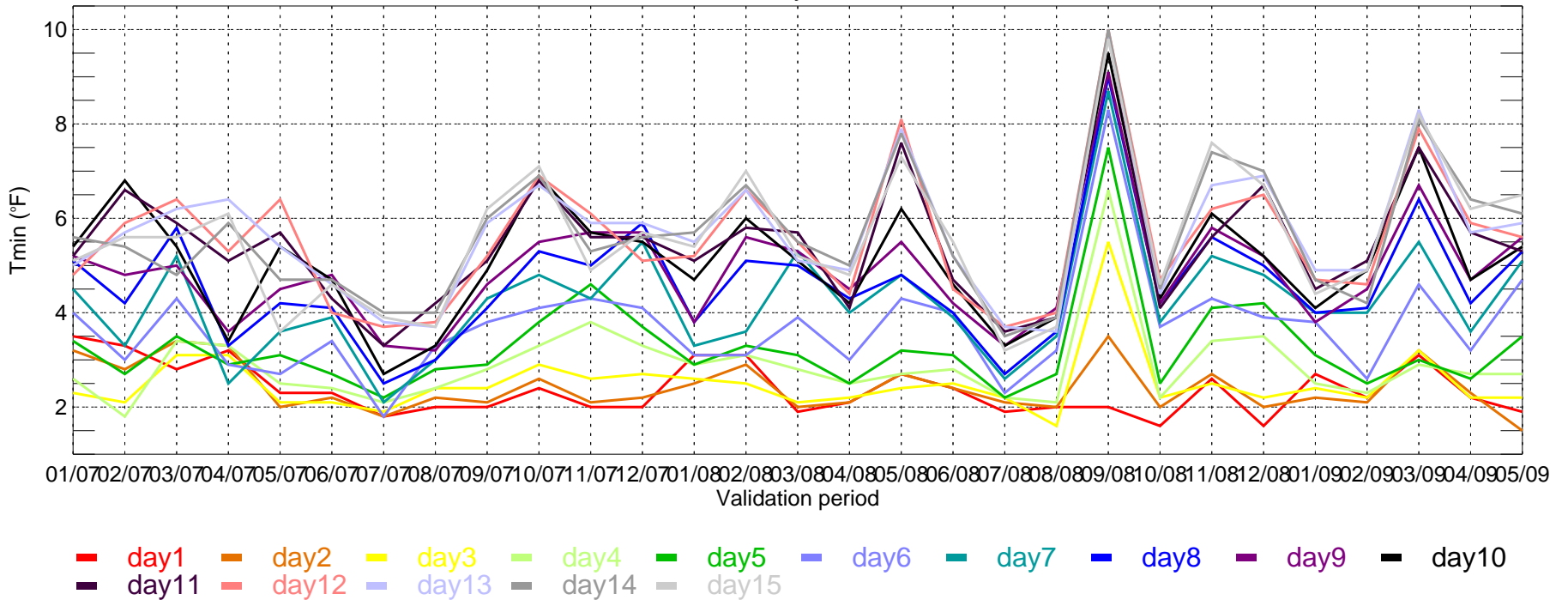
BOS: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



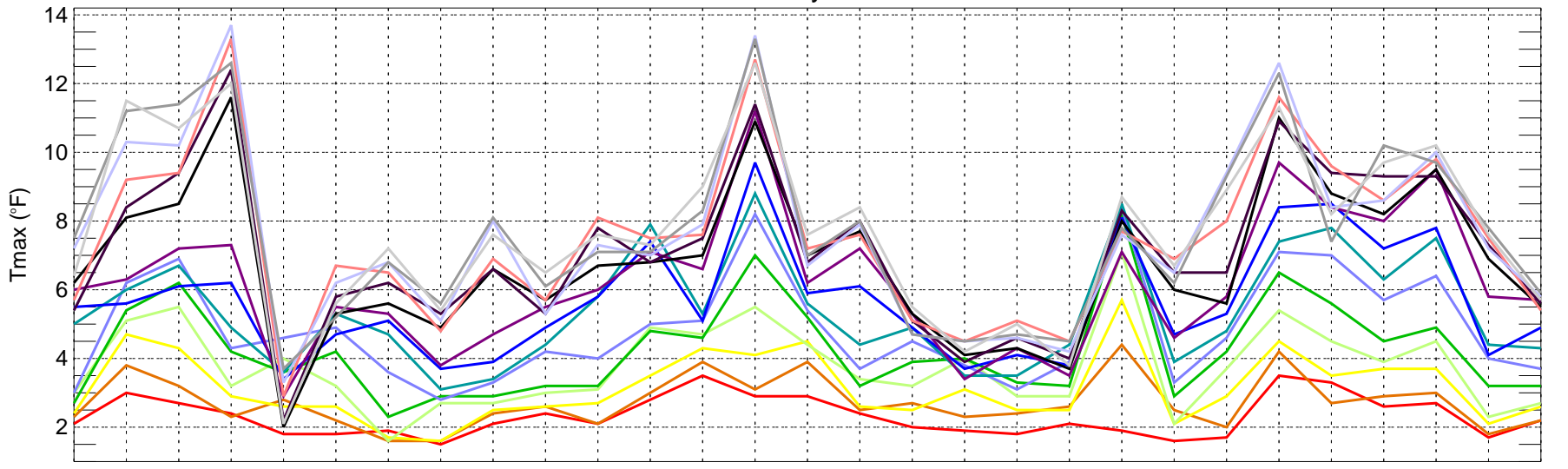
BWI: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



BWI: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



CVG: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

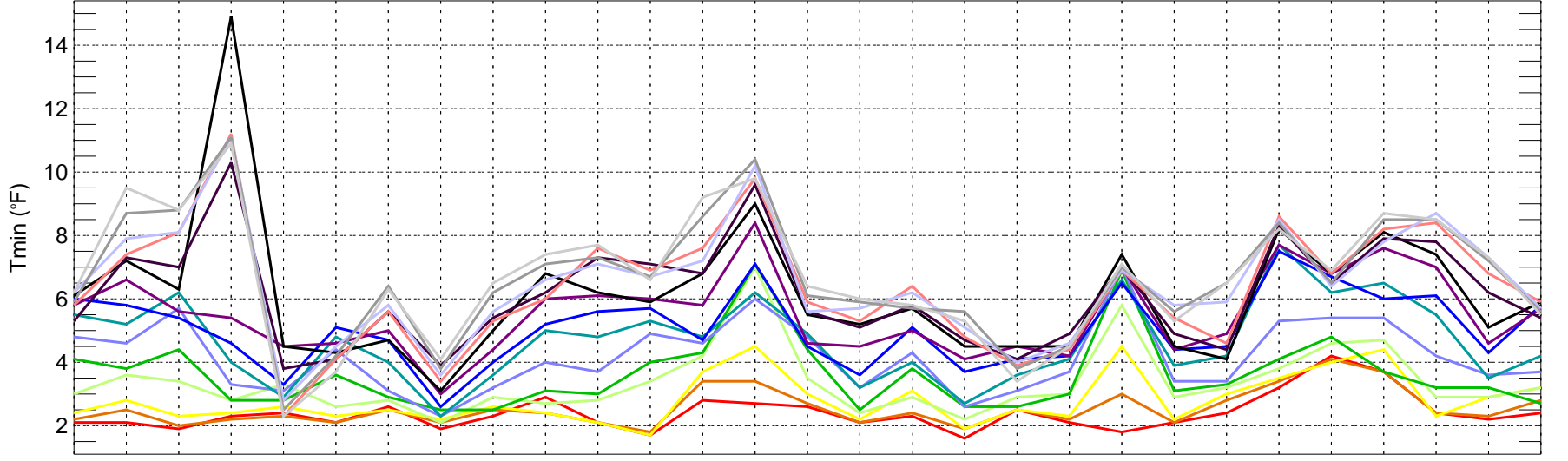


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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CVG: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

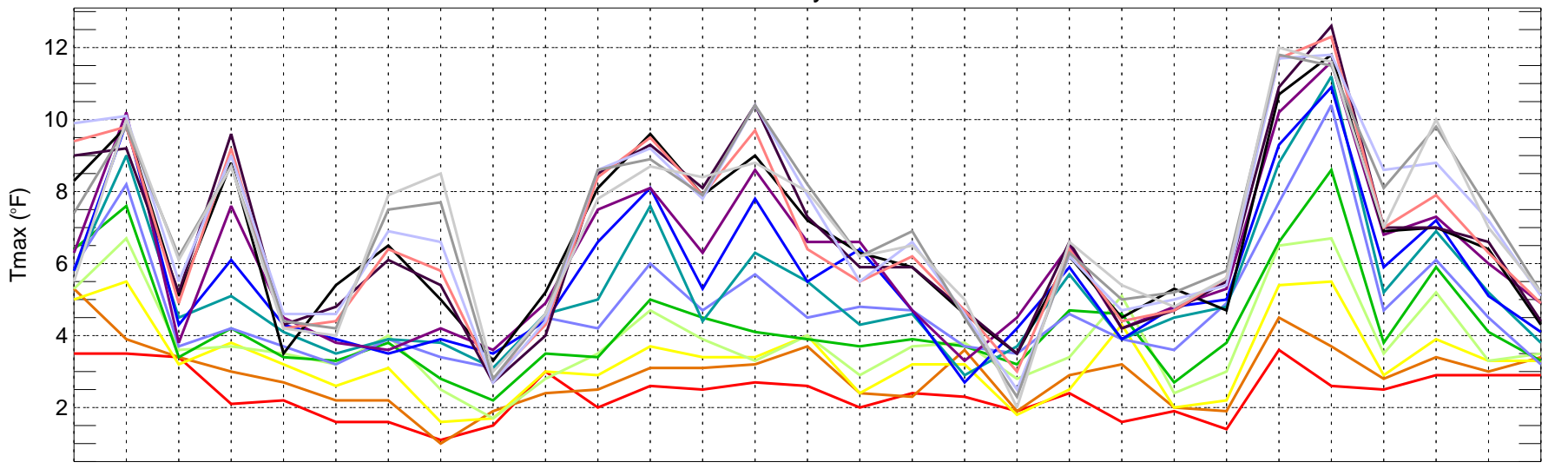


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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DFW: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

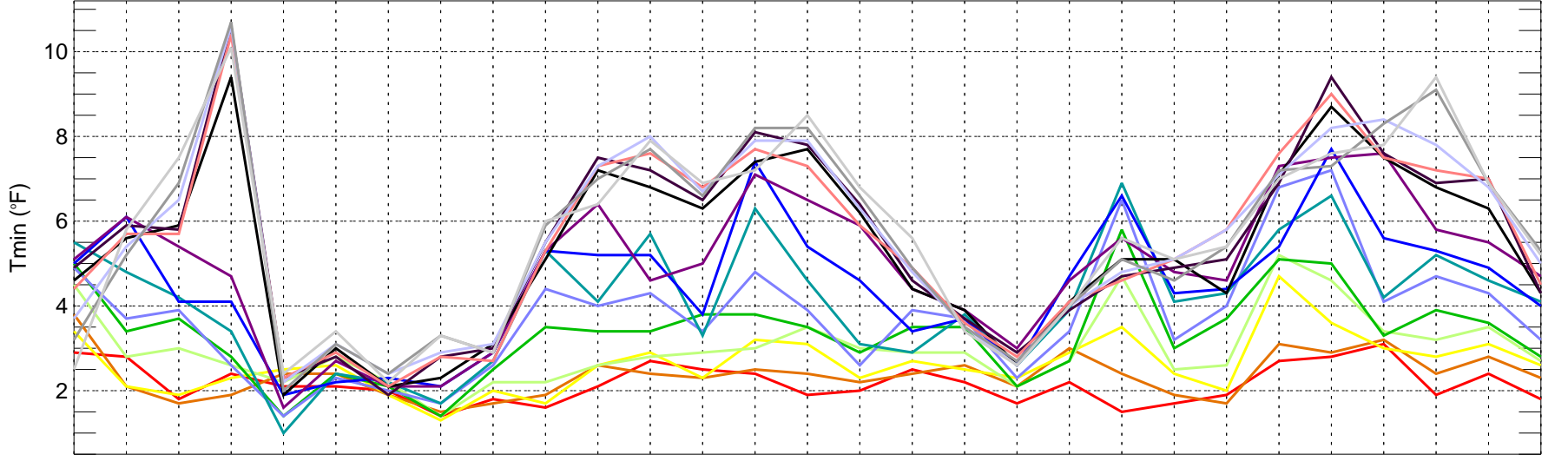


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1 day2 day3 day4 day5 day6 day7 day8 day9 day10
- day11 day12 day13 day14 day15

DFW: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

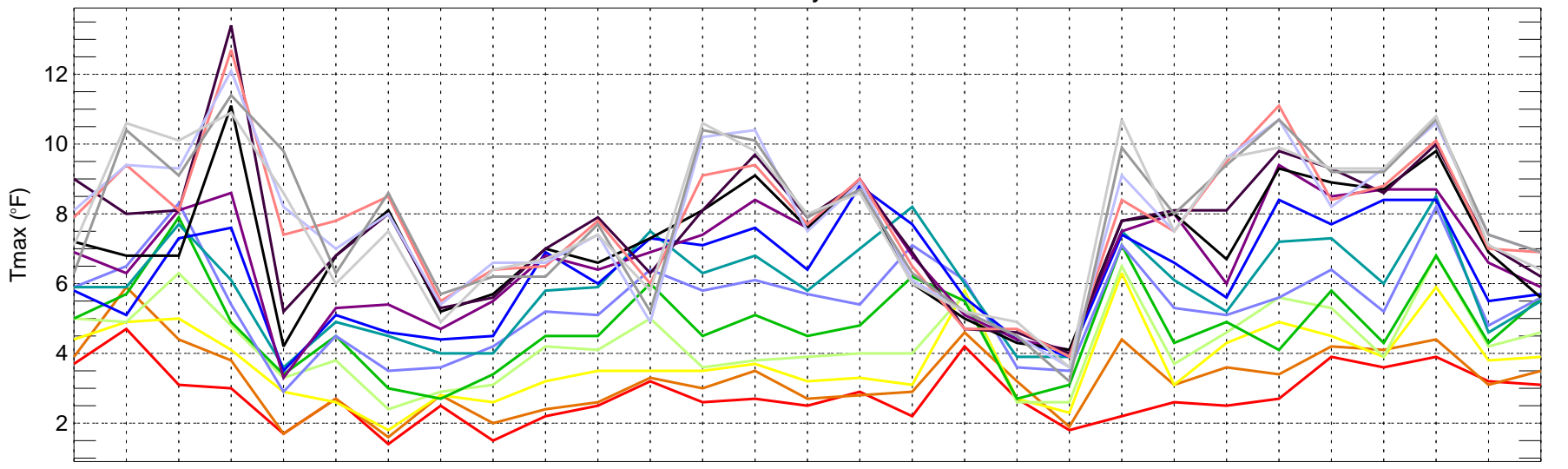


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1 day2 day3 day4 day5 day6 day7 day8 day9 day10
- day11 day12 day13 day14 day15

DSM: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

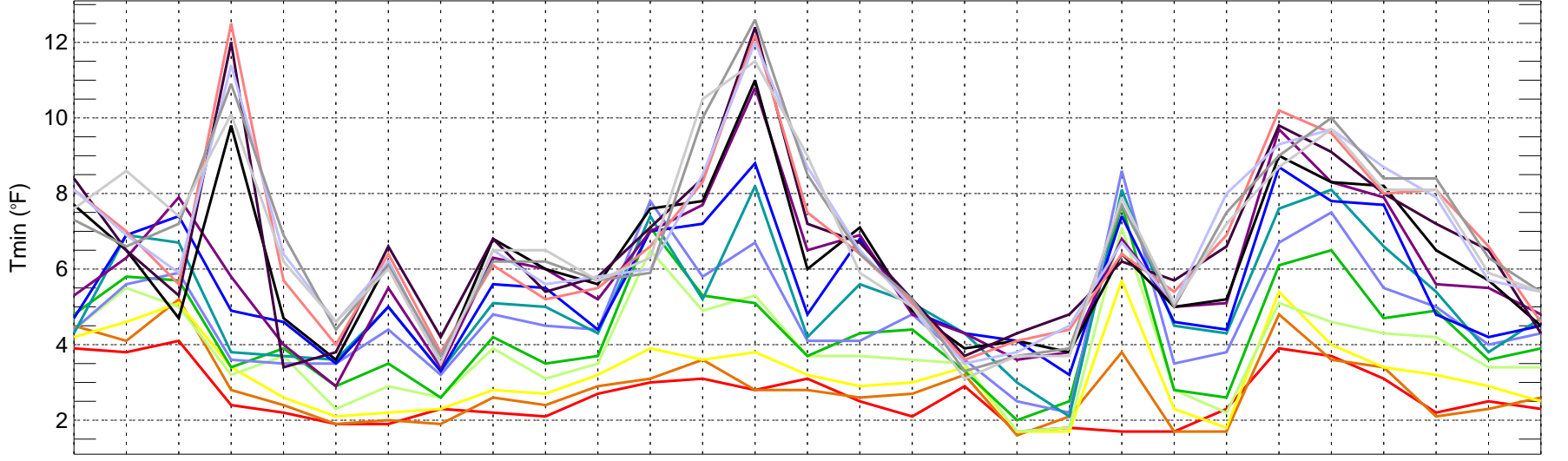


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Validation period

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DSM: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

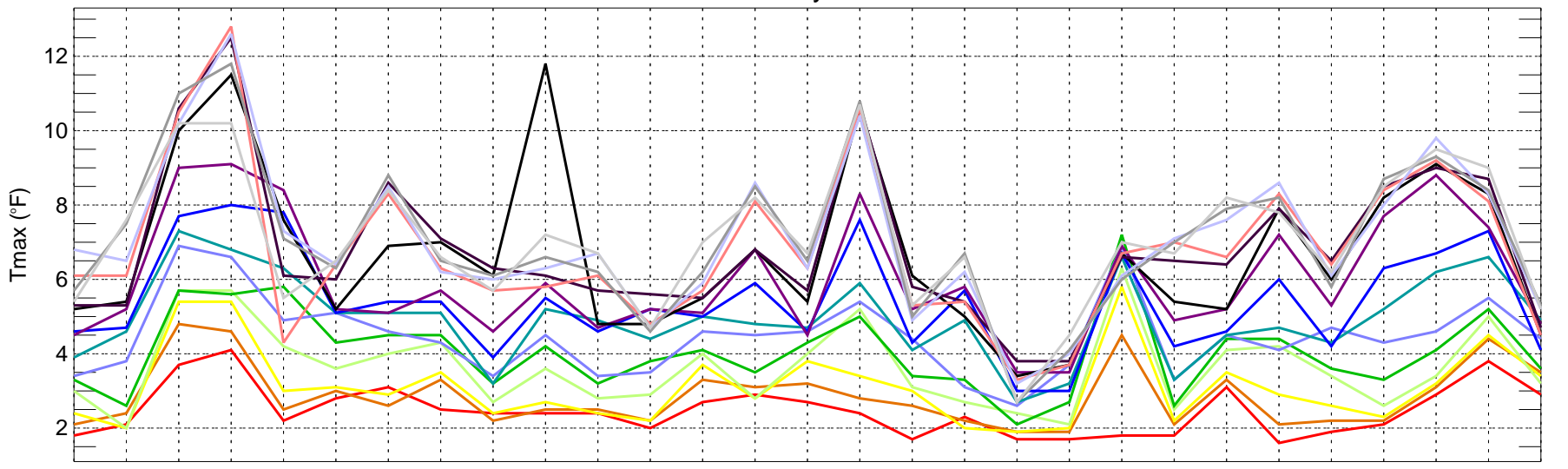


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Validation period

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DTW: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

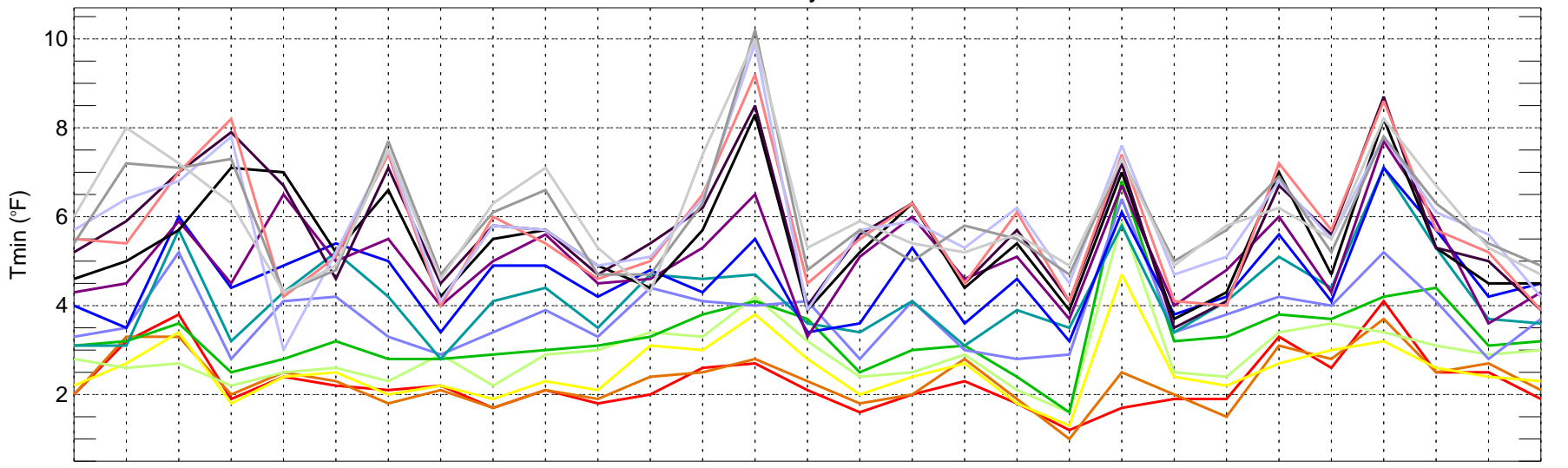


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Validation period

- day1 day2 day3 day4 day5 day6 day7 day8 day9 day10
- day11 day12 day13 day14 day15

DTW: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

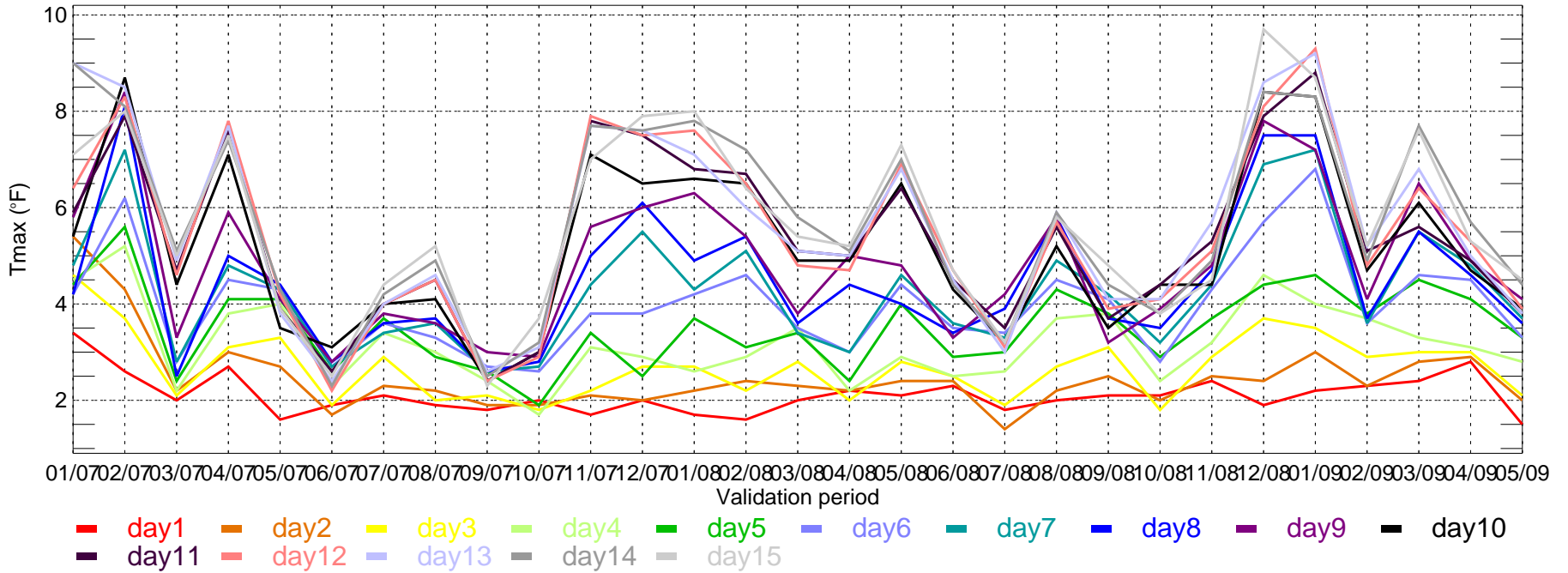


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

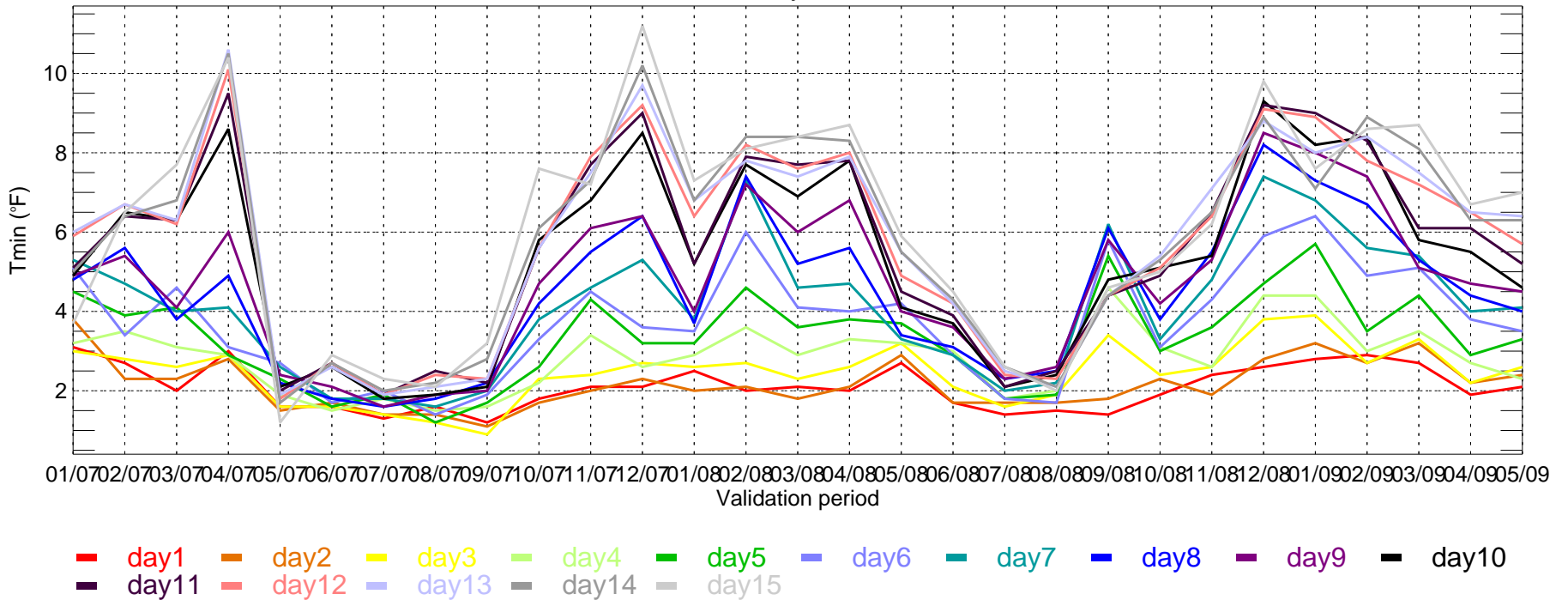
Validation period

- day1 day2 day3 day4 day5 day6 day7 day8 day9 day10
- day11 day12 day13 day14 day15

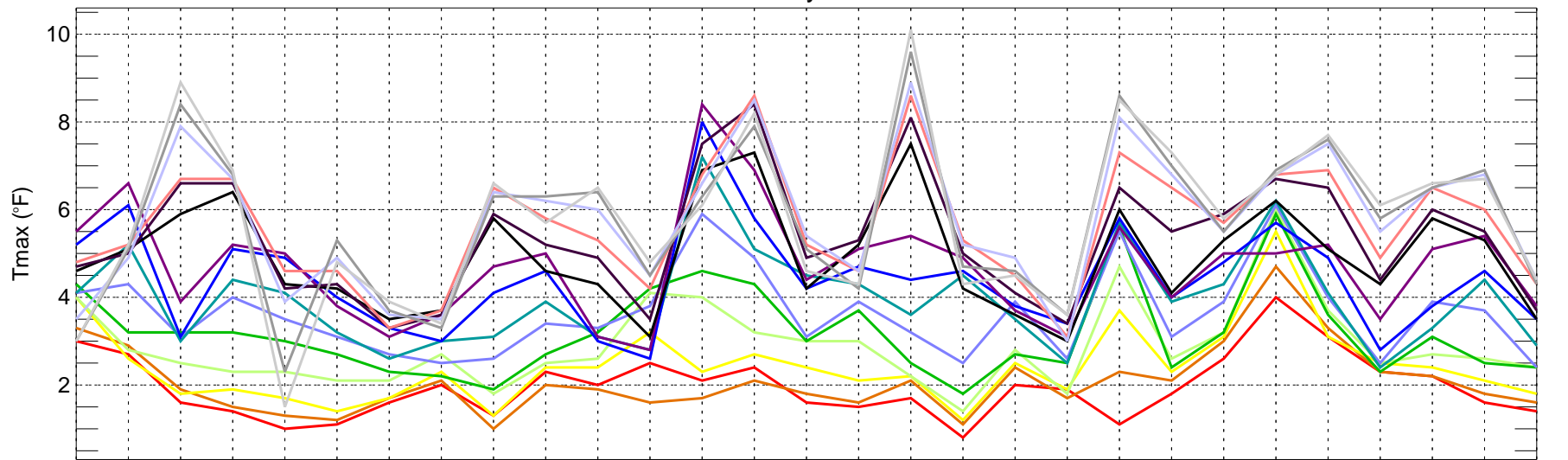
IAH: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



IAH: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



LAS: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

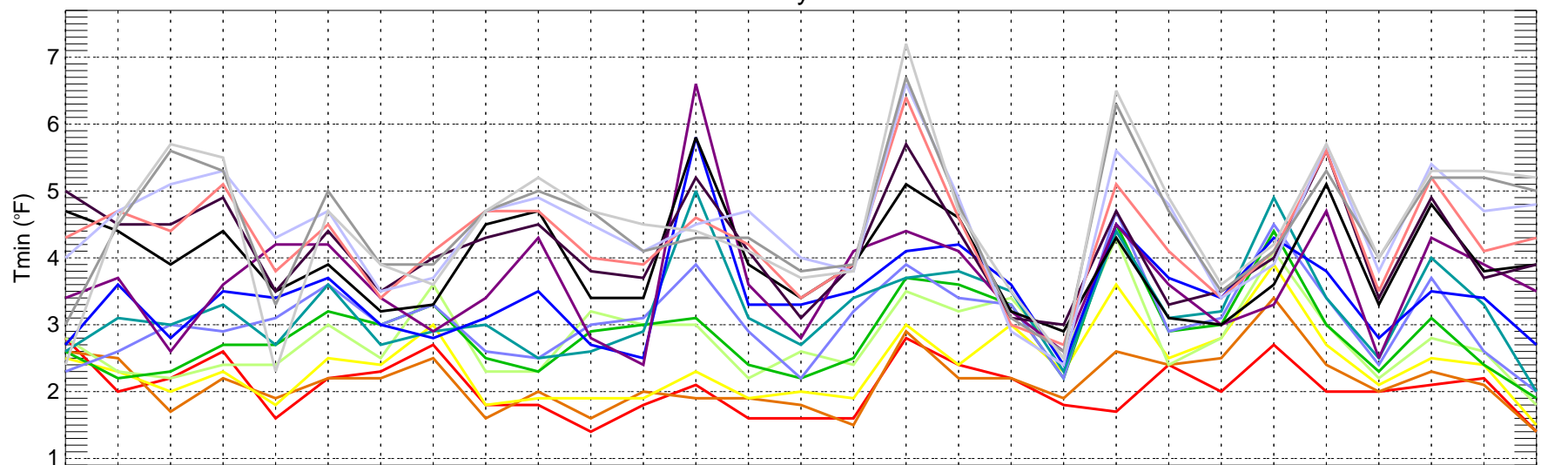


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Validation period

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LAS: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

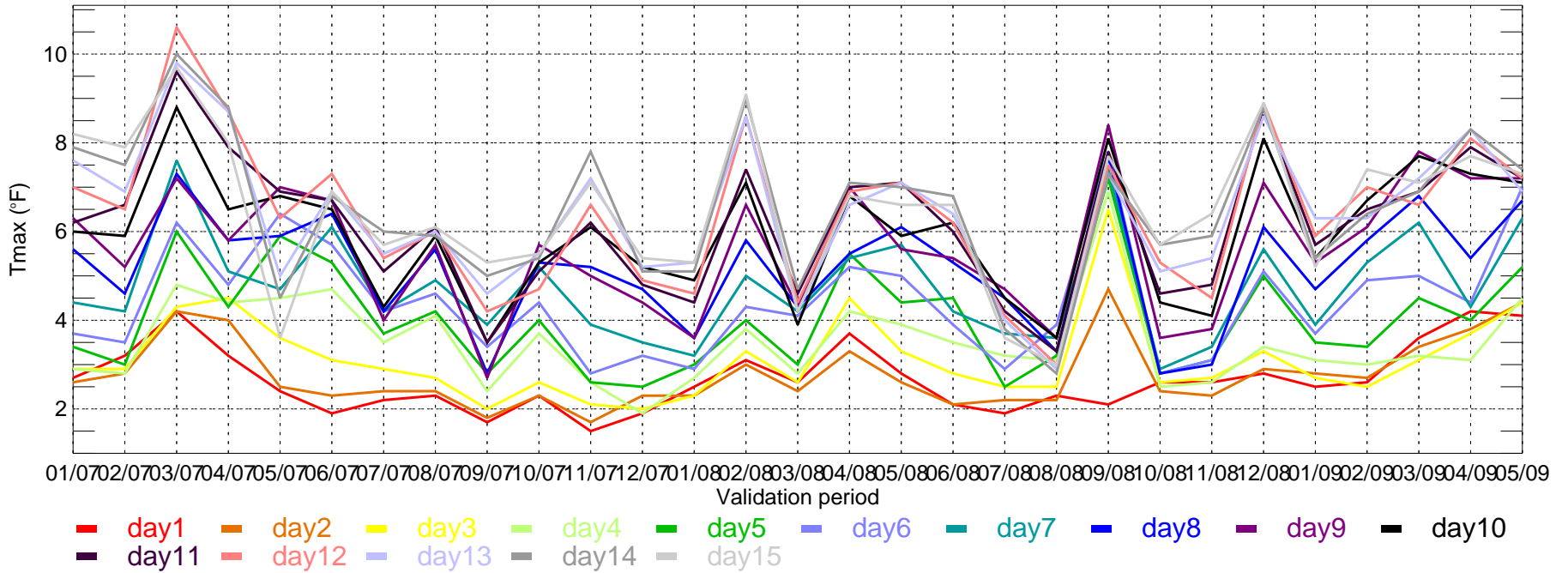


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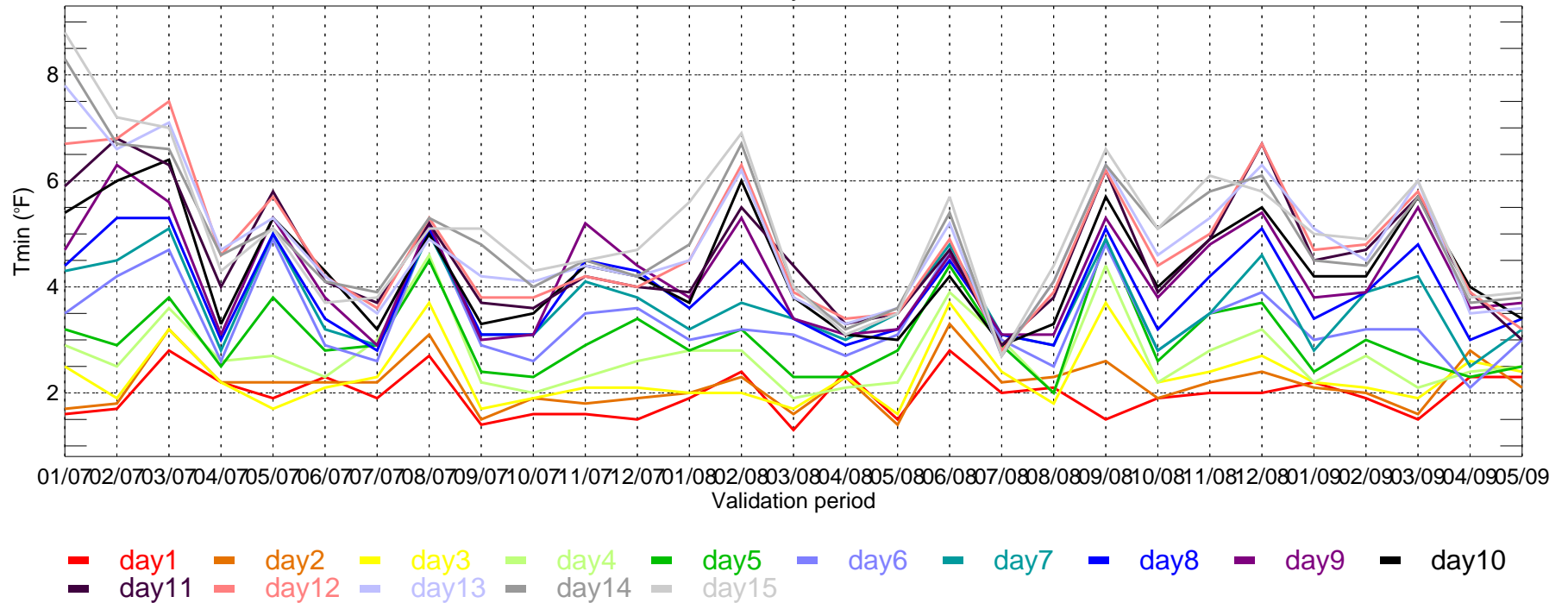
Validation period

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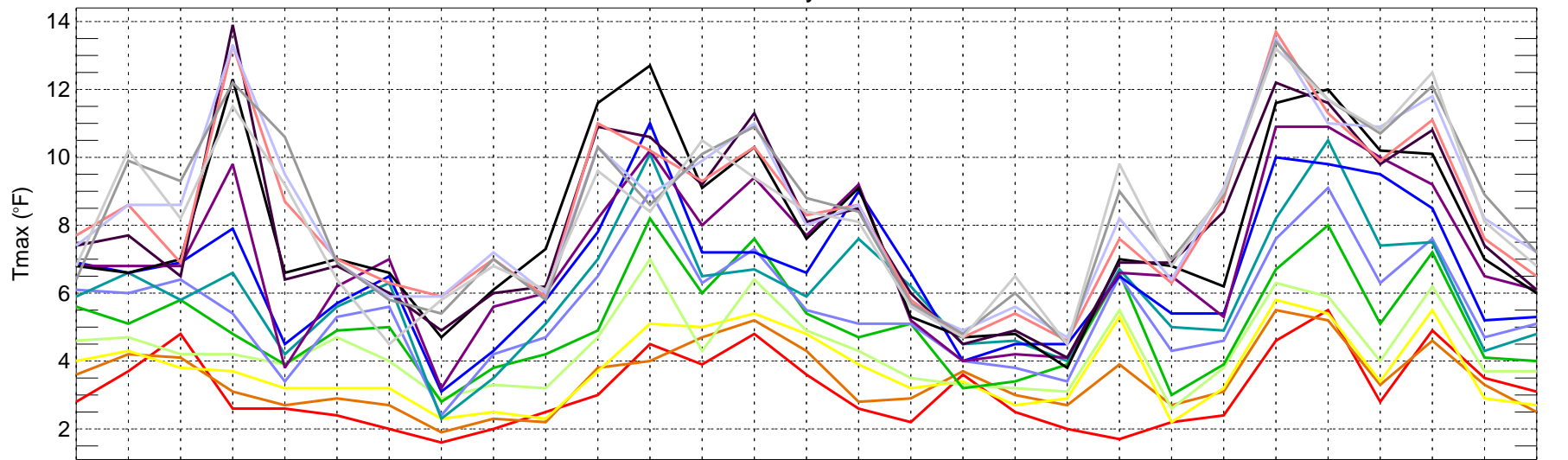
LGA: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



LGA: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



MCI: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

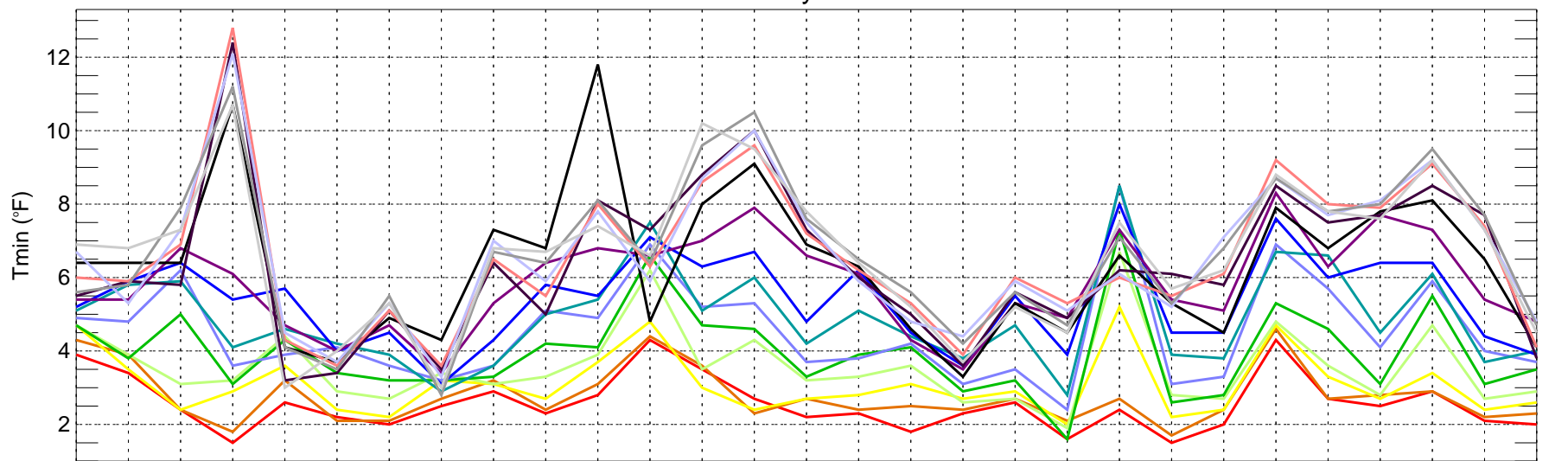


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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MCI: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

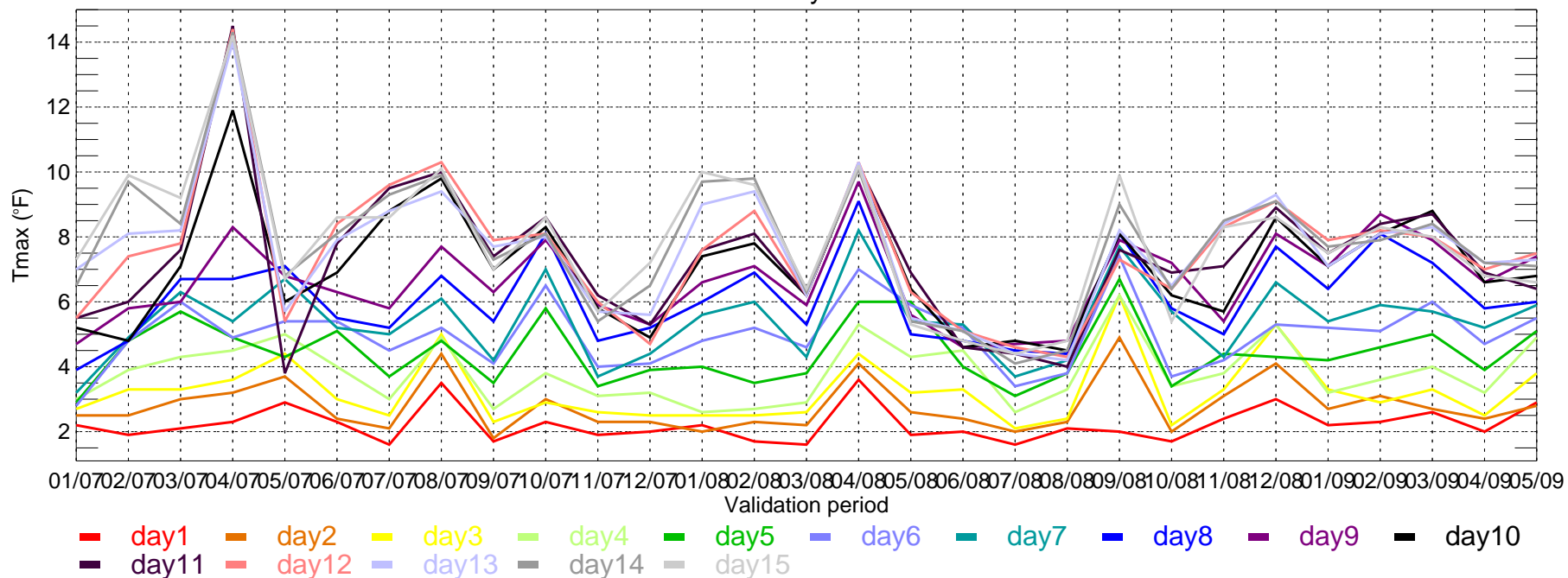


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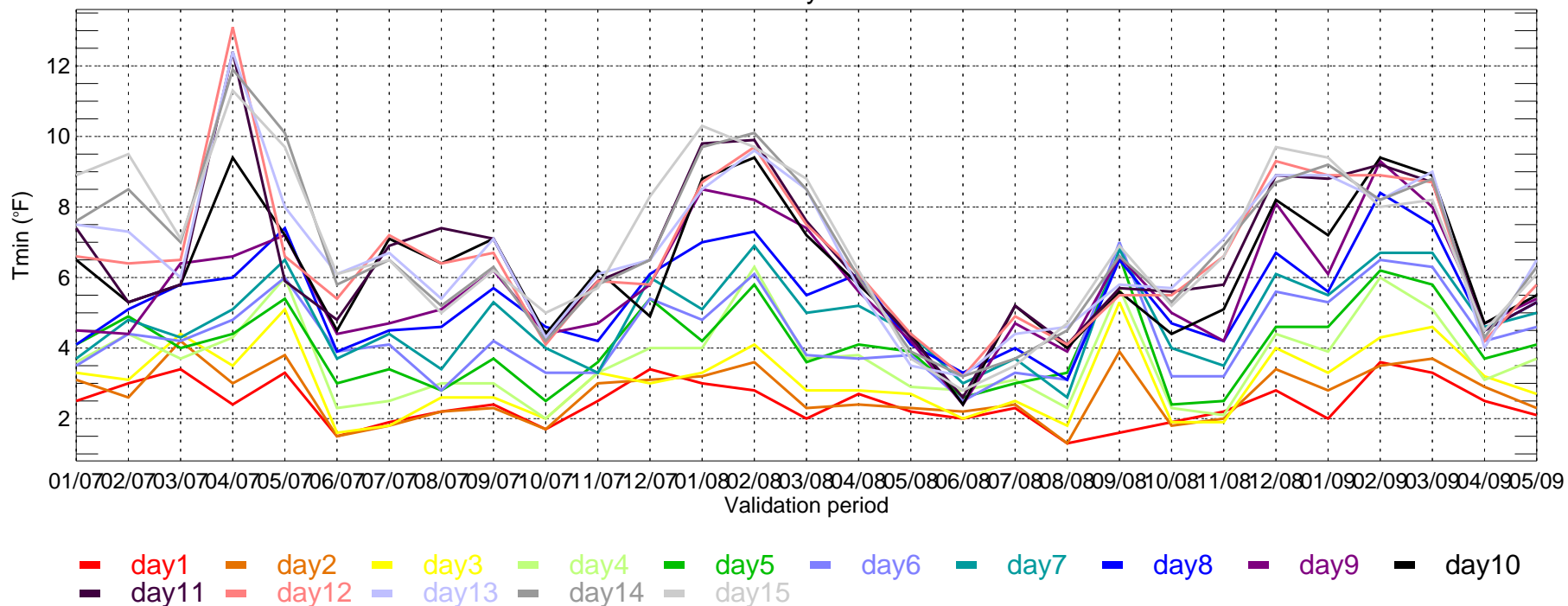
Validation period

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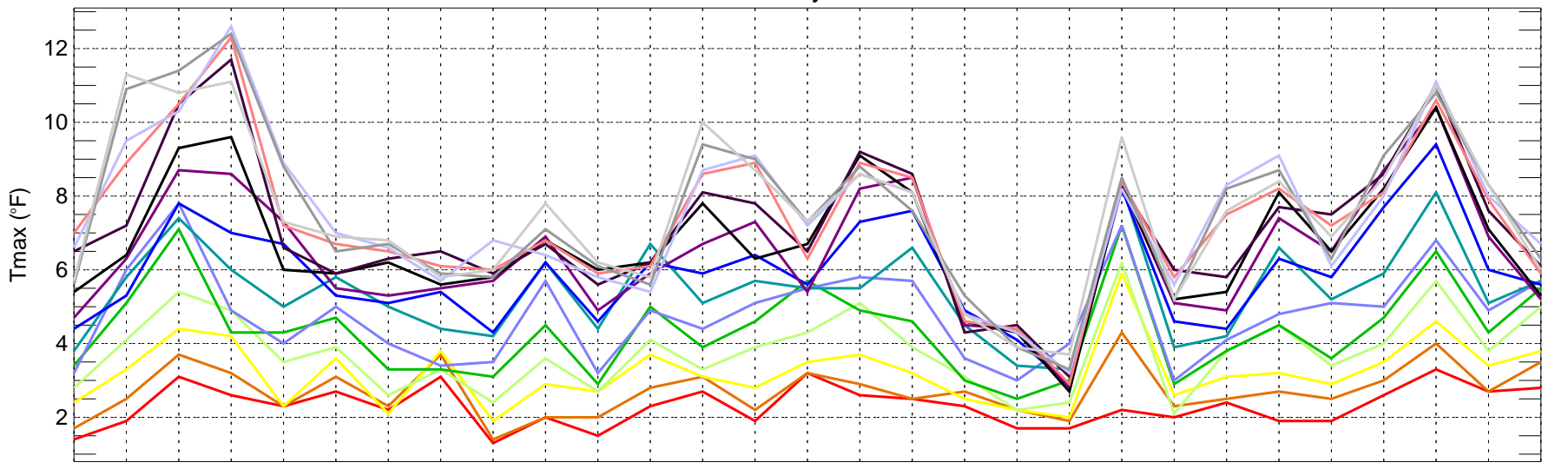
MSP: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



MSP: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



ORD: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

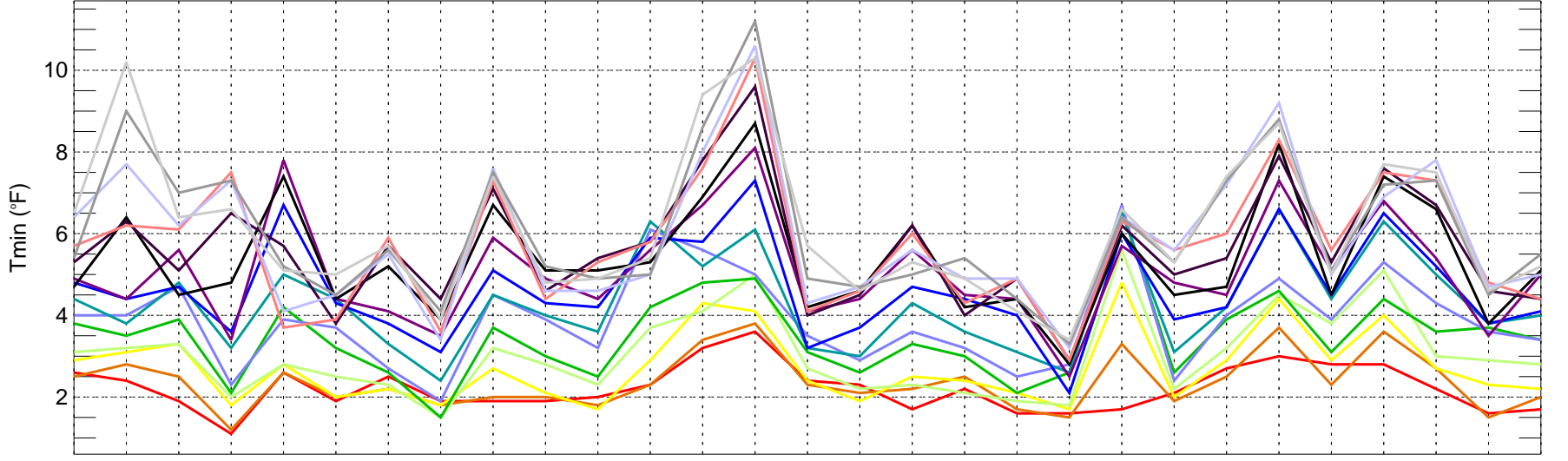


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Validation period

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ORD: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

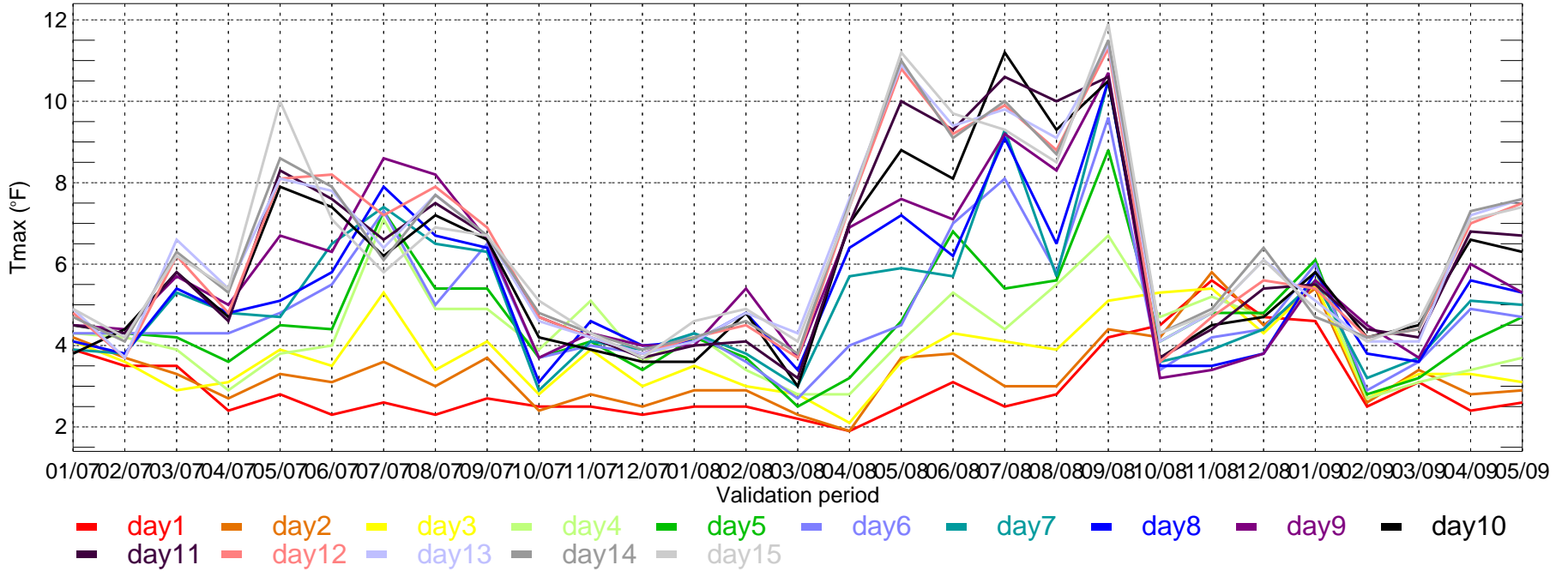


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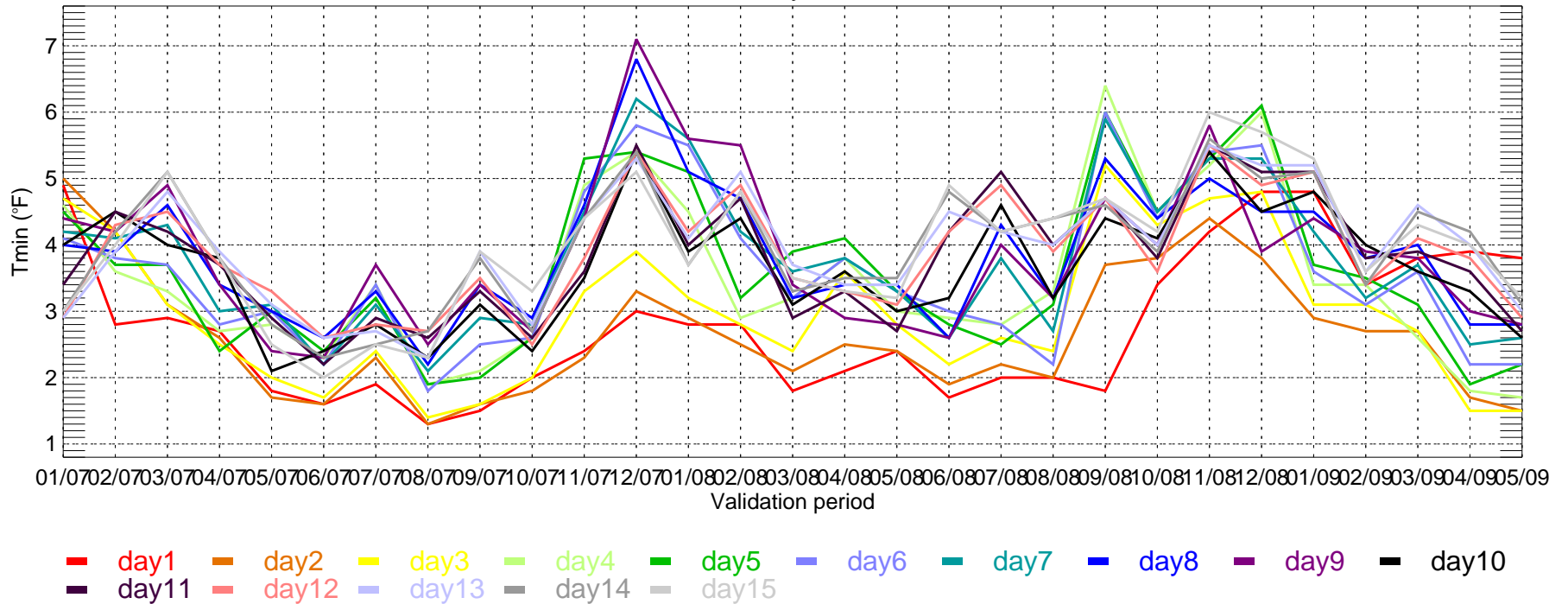
Validation period

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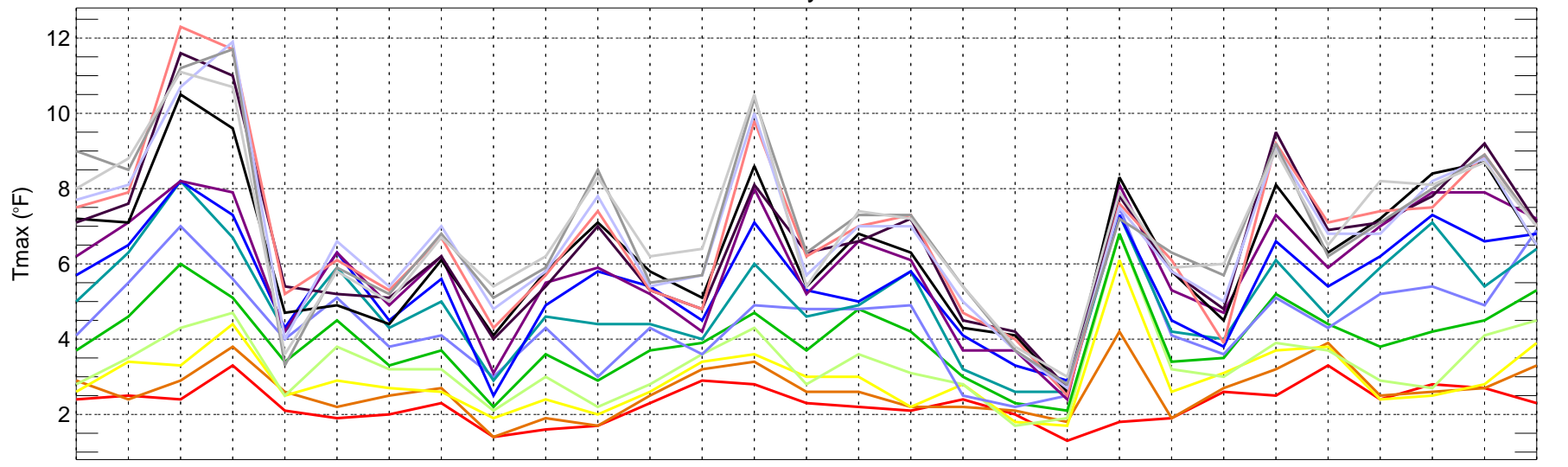
PDX: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



PDX: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



PHL: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

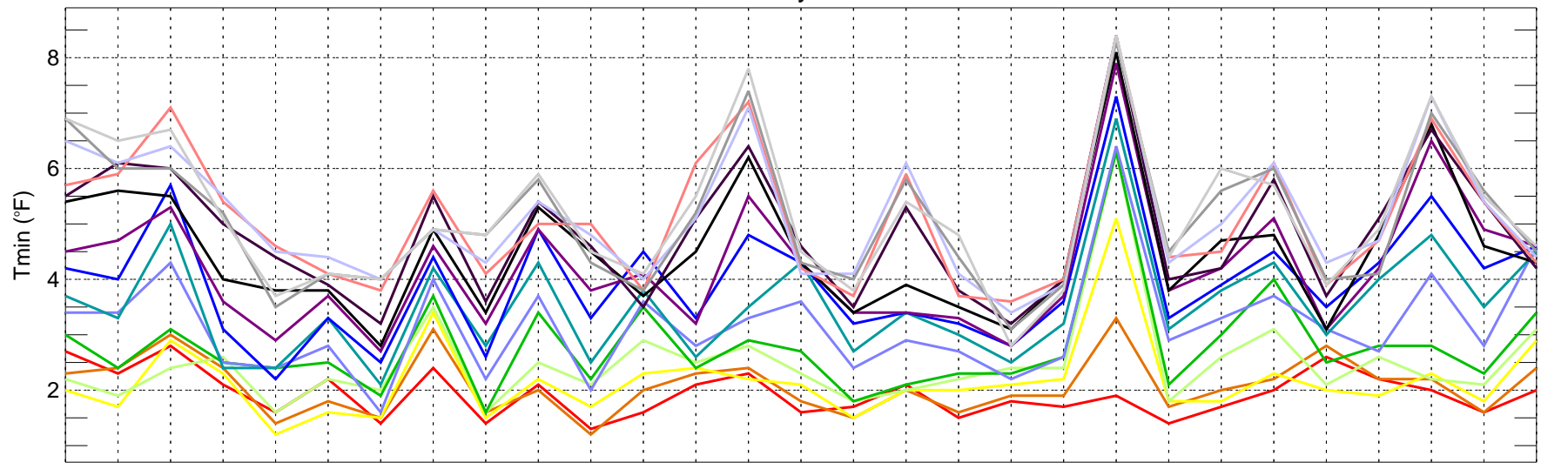


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Validation period

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PHL: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

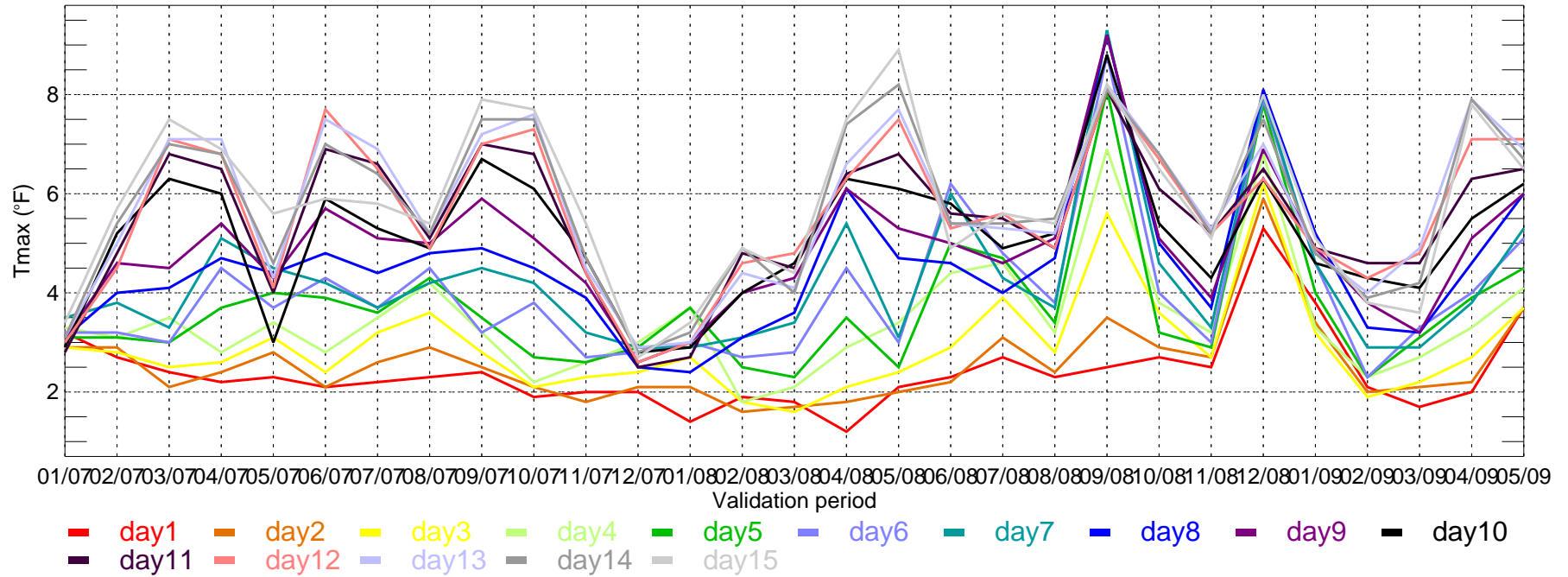


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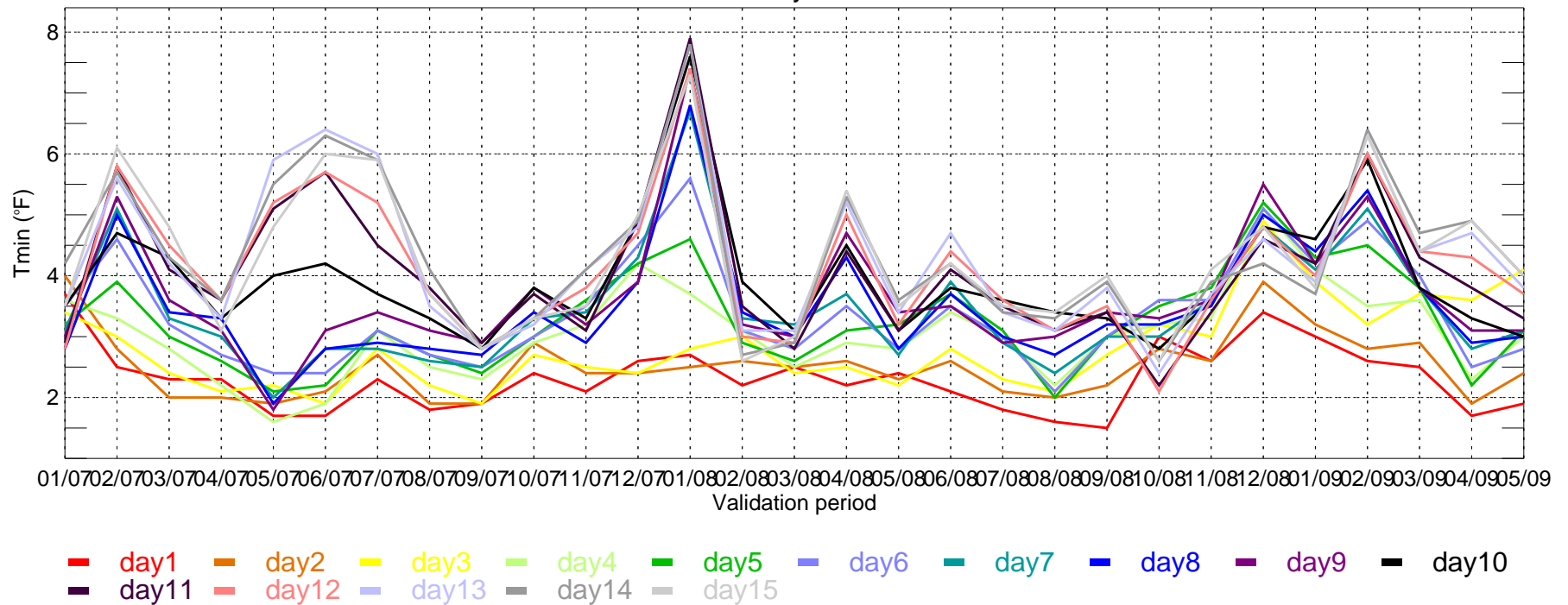
Validation period

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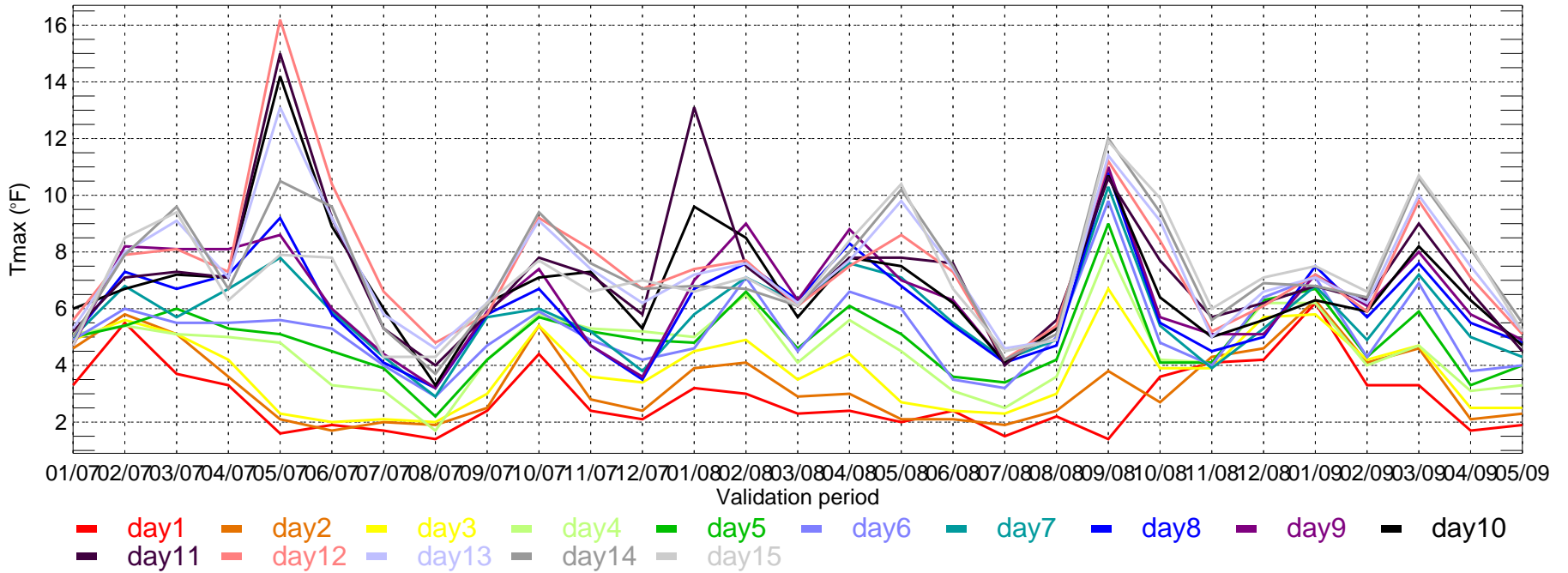
SAC: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



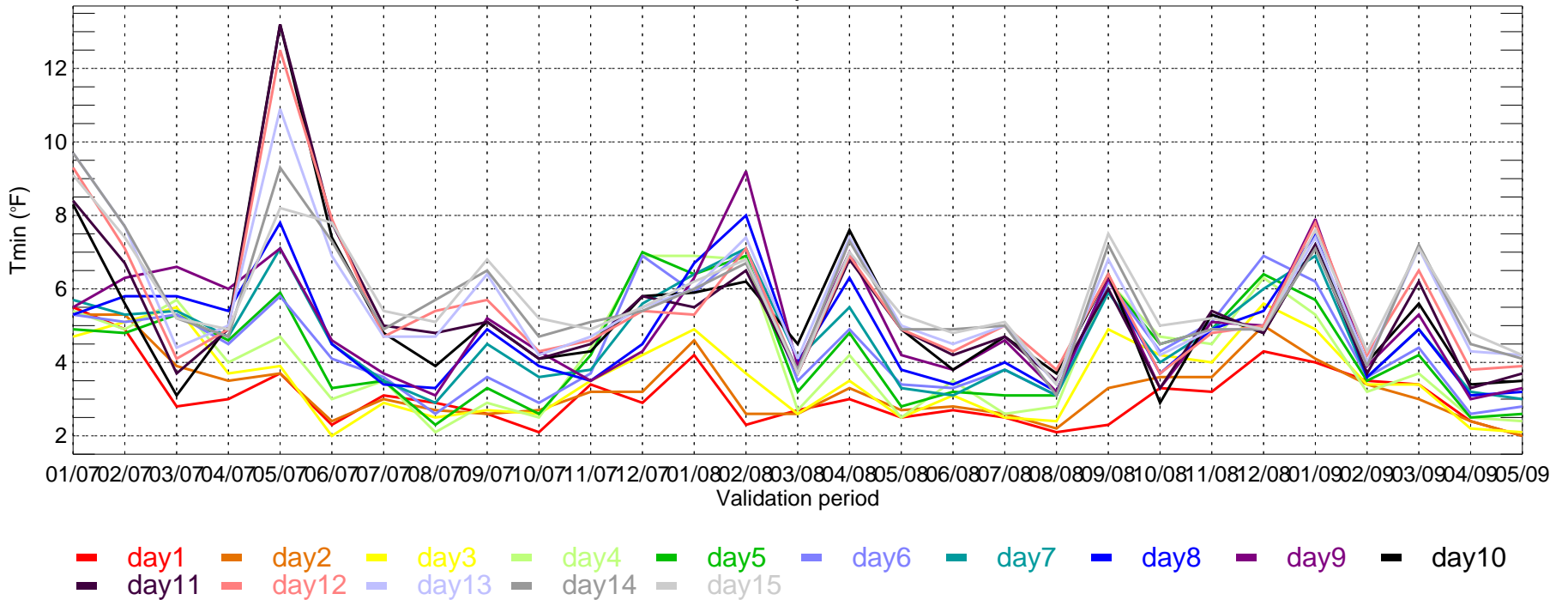
SAC: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



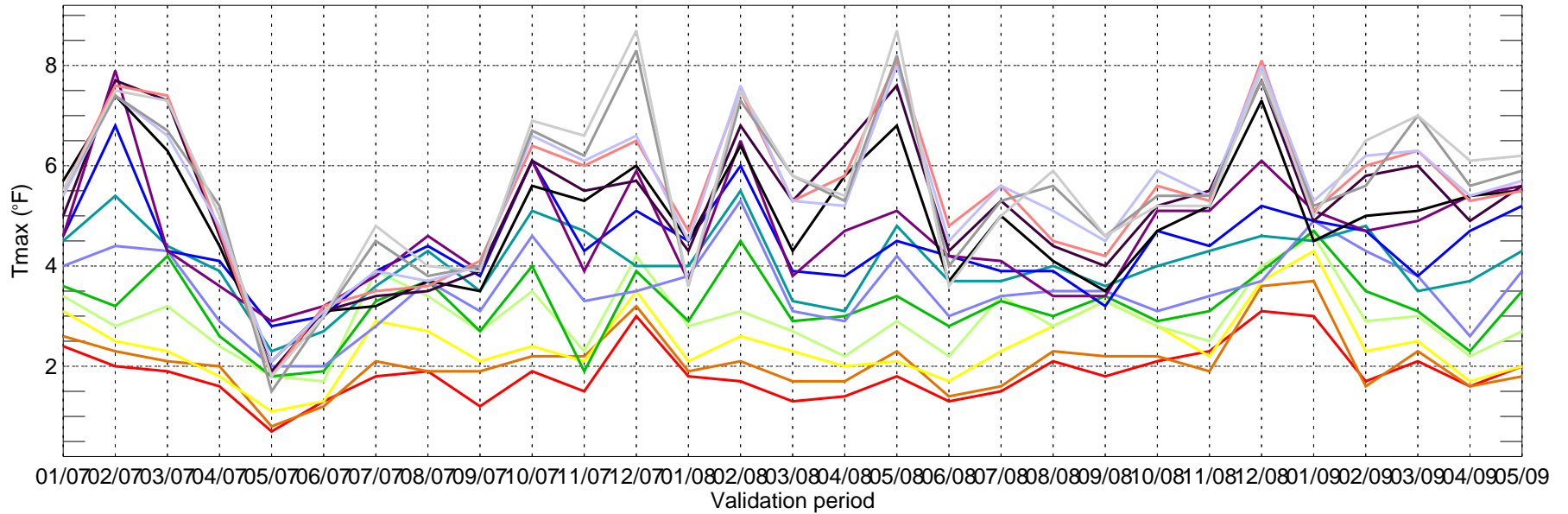
SLC: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



SLC: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

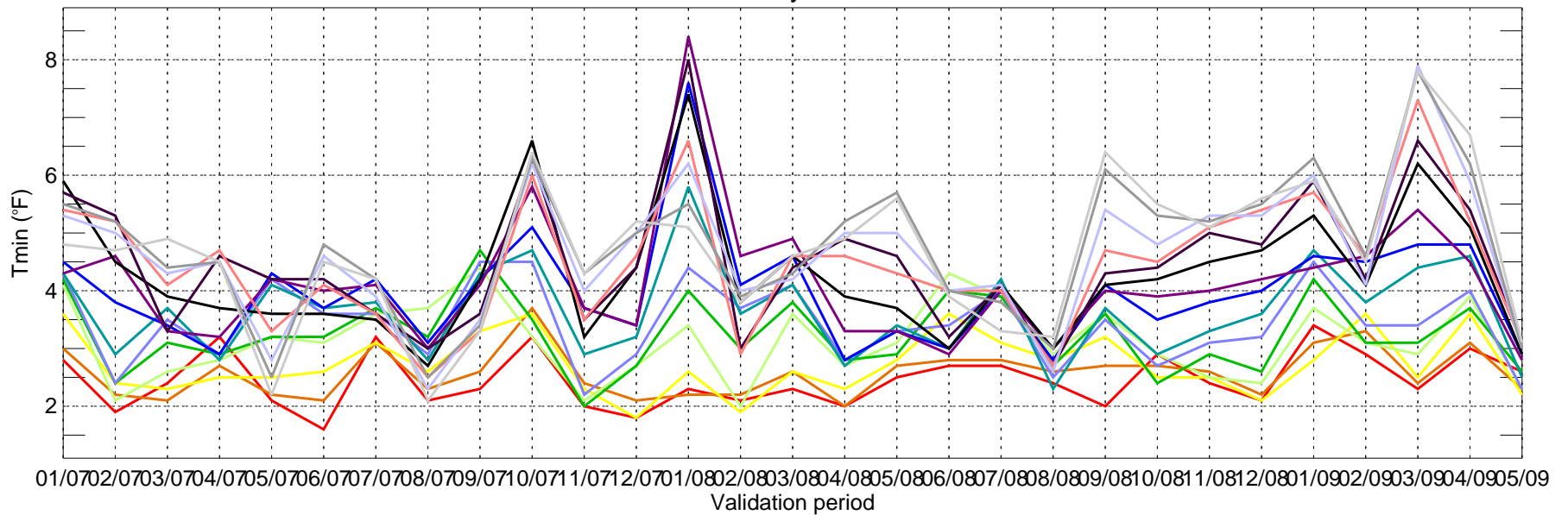


TUS: ECMWF MAE of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



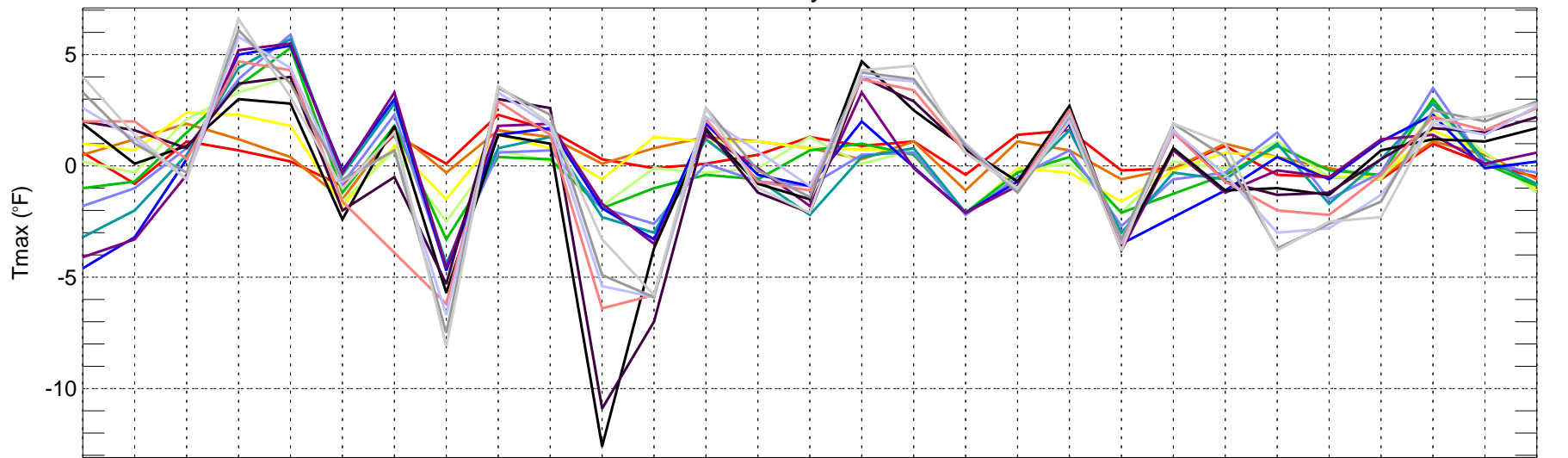
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TUS: ECMWF MAE of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



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ATL: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

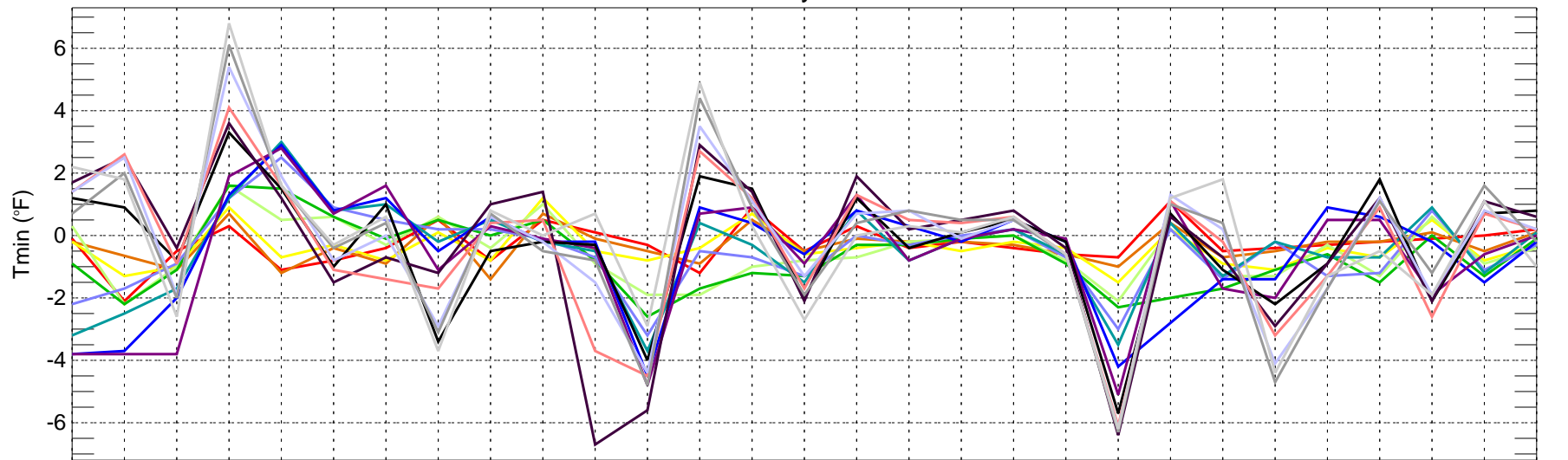


01/0702/0703/0704/0705/0706/0707/0708/0709/0710/0711/0712/0701/0802/0803/0804/0805/0806/0807/0808/0809/0810/0811/0812/0801/0902/0903/0904/0905/09

Validation period

- day1
- day2
- day3
- day4
- day5
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- day14
- day15

ATL: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

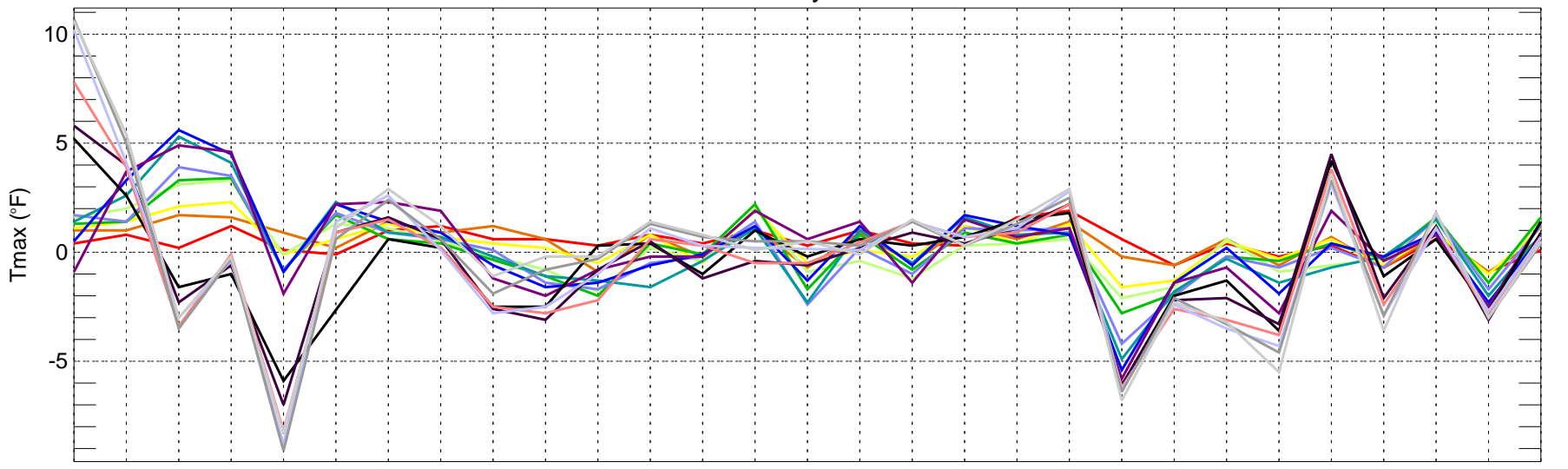


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Validation period

- day1
- day2
- day3
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BOS: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

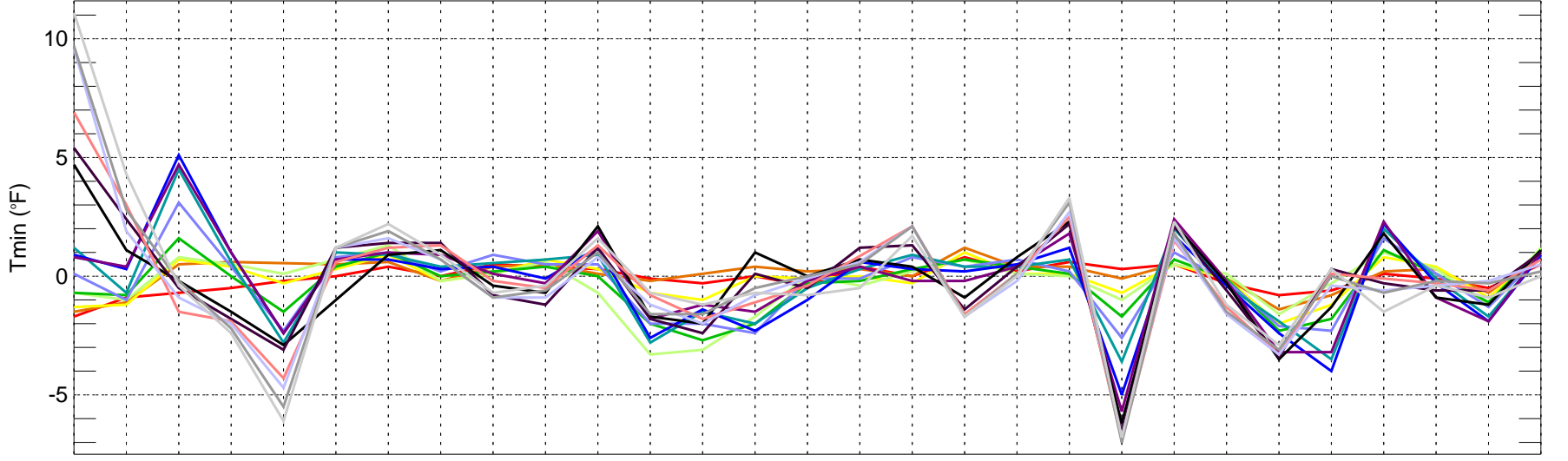


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1 (red)
- day2 (orange)
- day3 (yellow)
- day4 (light green)
- day5 (green)
- day6 (blue)
- day7 (teal)
- day8 (dark blue)
- day9 (purple)
- day10 (black)
- day11 (dark purple)
- day12 (pink)
- day13 (light blue)
- day14 (grey)
- day15 (light grey)

BOS: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

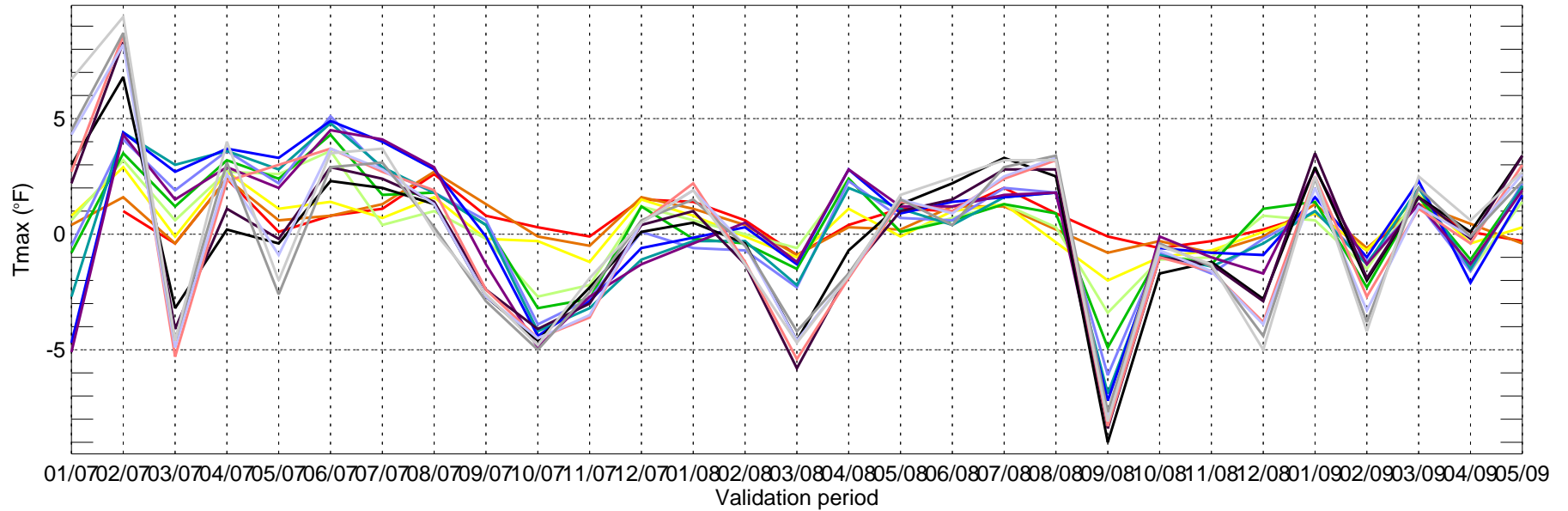


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Validation period

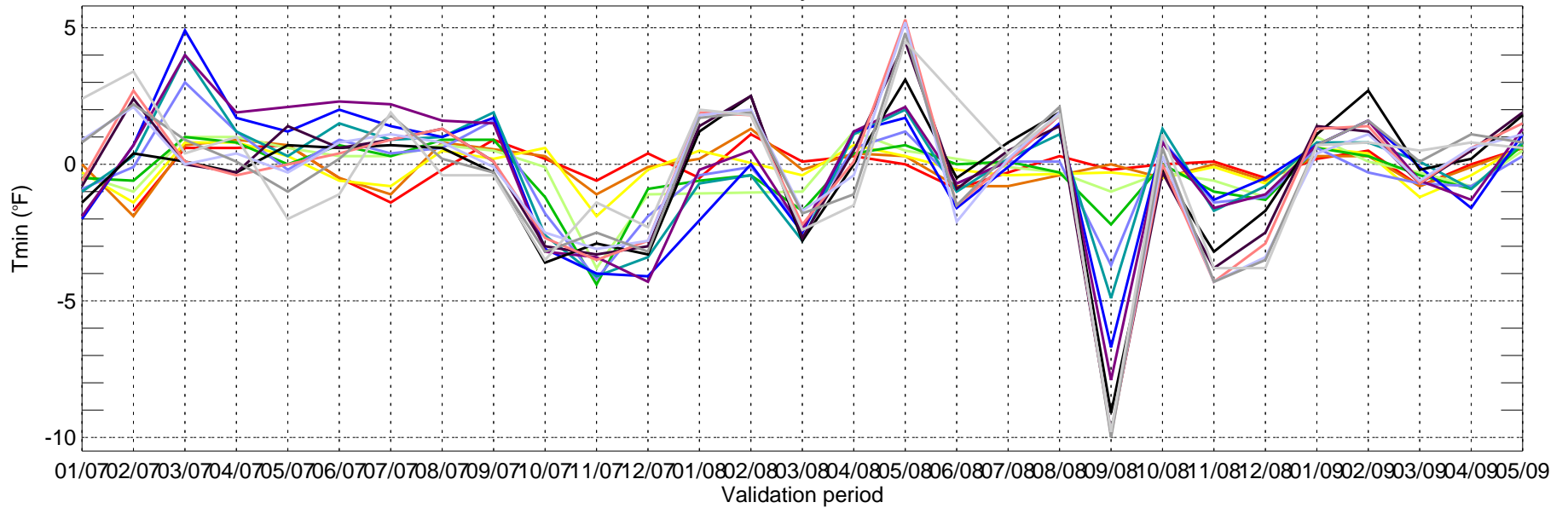
- day1 (red)
- day2 (orange)
- day3 (yellow)
- day4 (light green)
- day5 (green)
- day6 (blue)
- day7 (teal)
- day8 (dark blue)
- day9 (purple)
- day10 (black)
- day11 (dark purple)
- day12 (pink)
- day13 (light blue)
- day14 (grey)
- day15 (light grey)

BWI: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



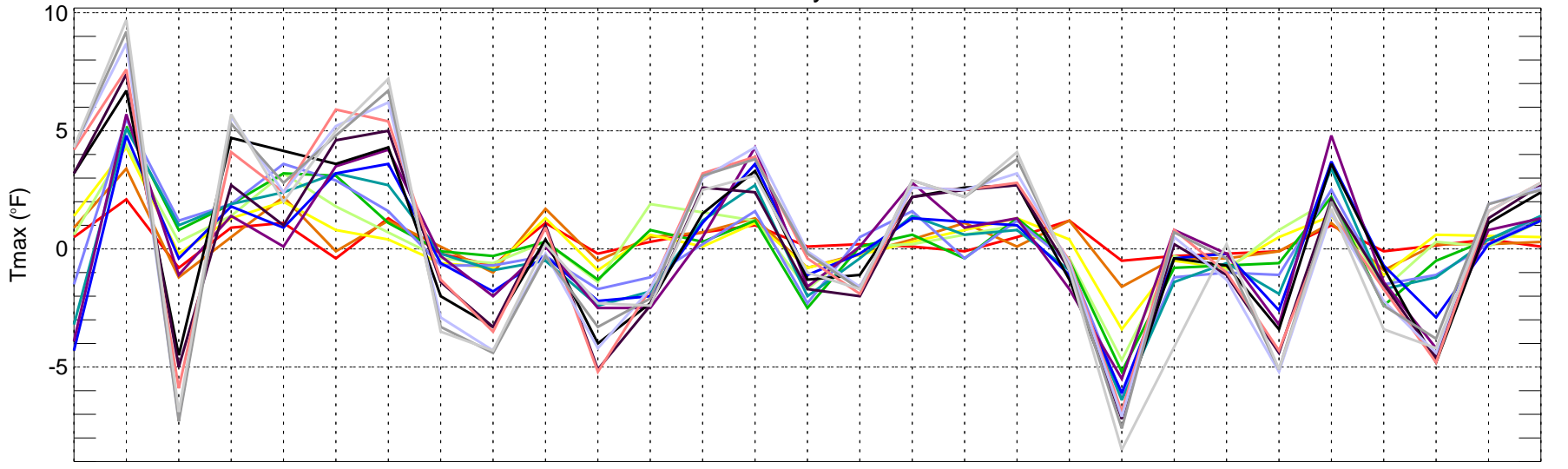
- day1
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- day14
- day15

BWI: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



- day1
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CVG: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

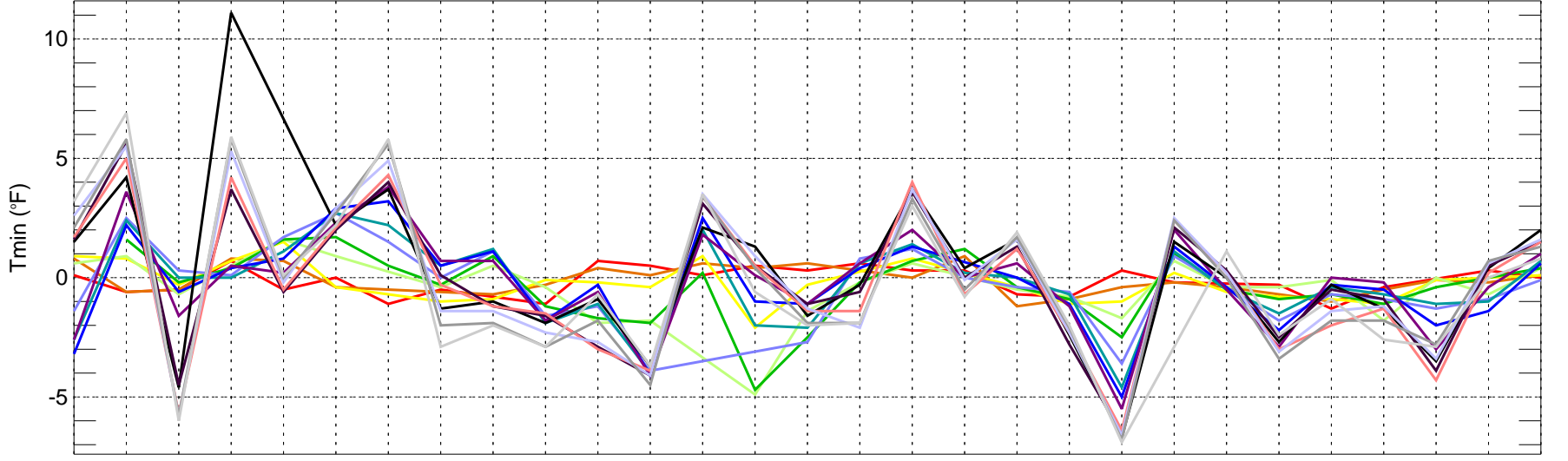


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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CVG: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

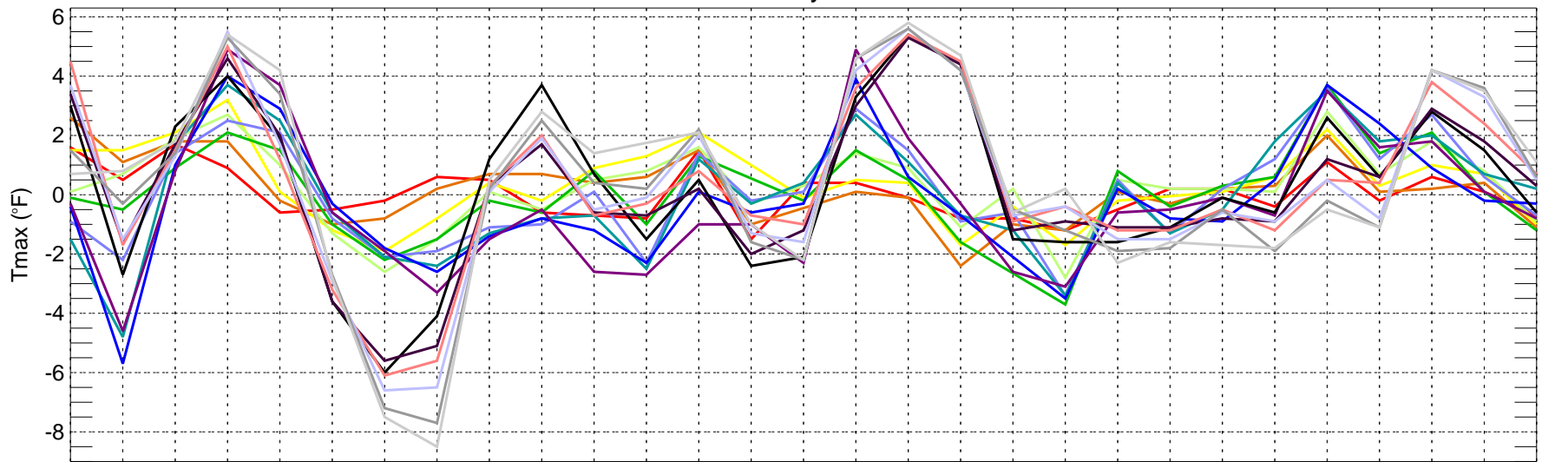


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
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DFW: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

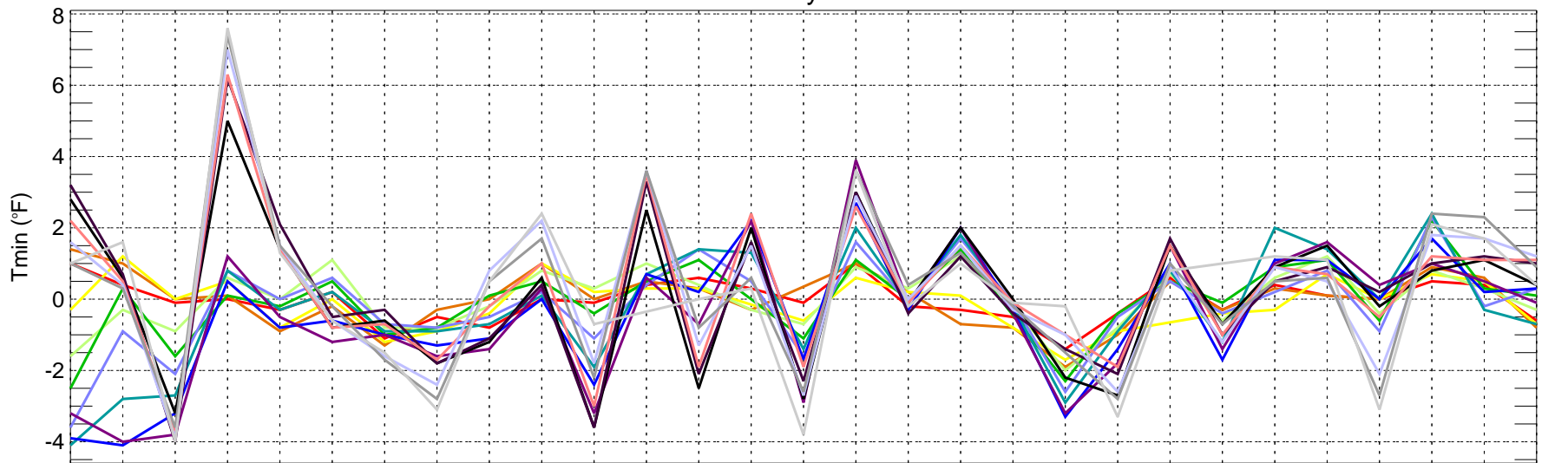


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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DFW: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

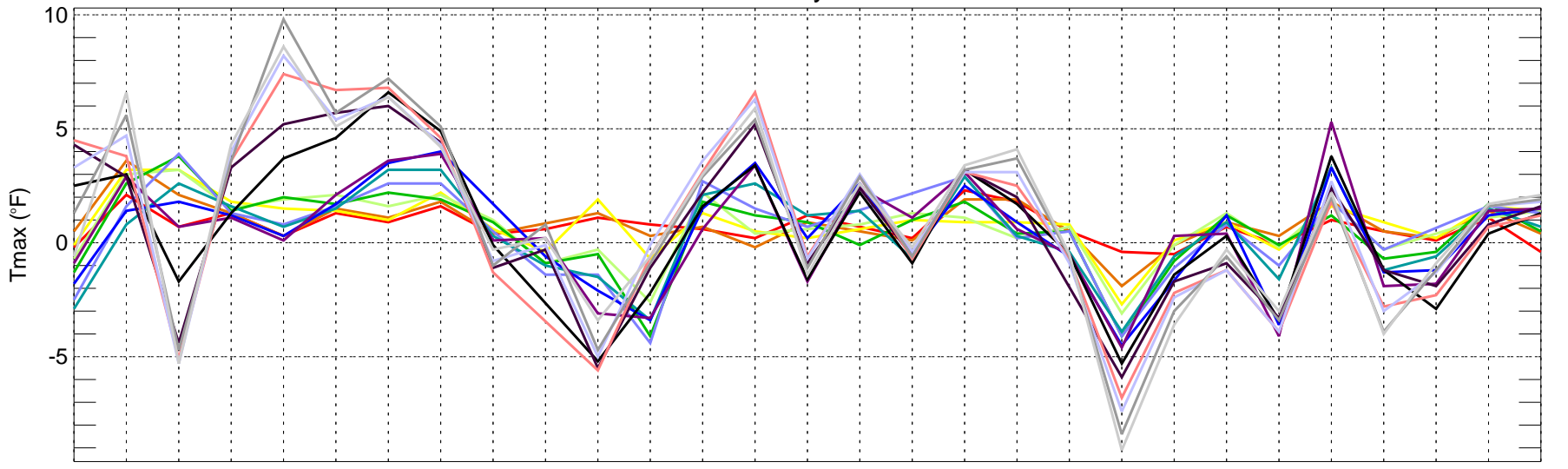


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Validation period

- day1
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DSM: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

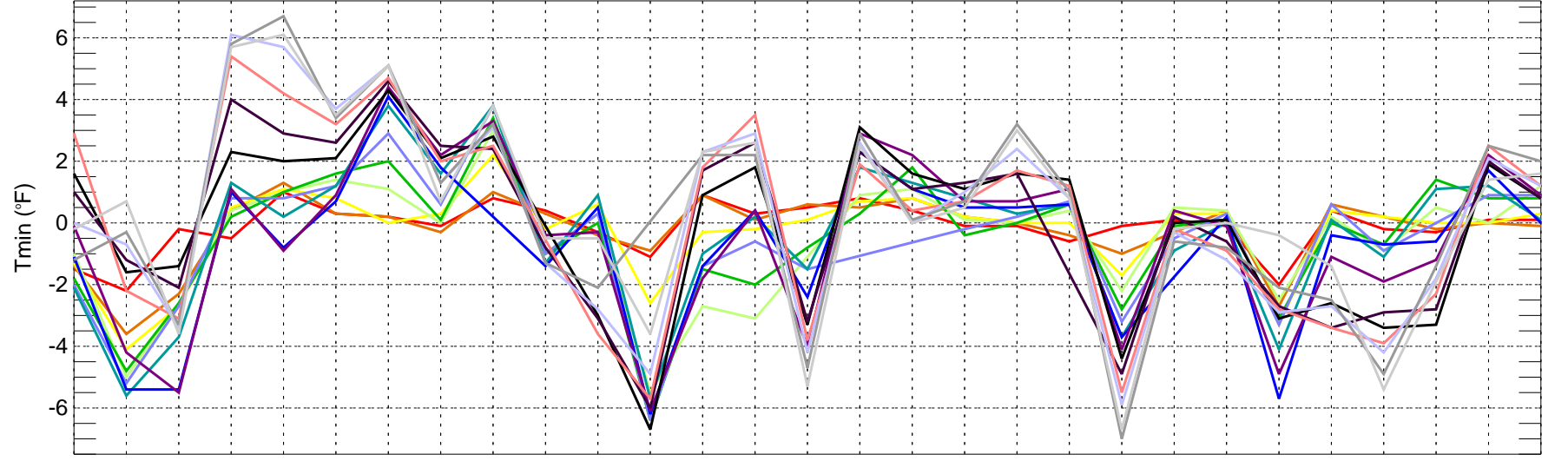


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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DSM: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

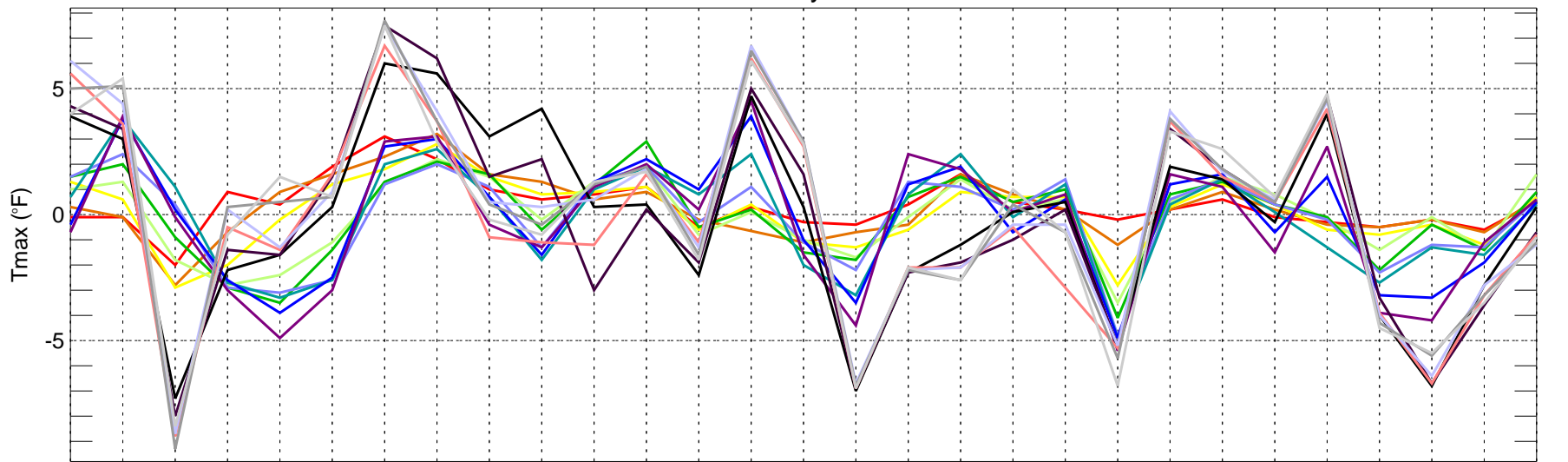


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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DTW: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

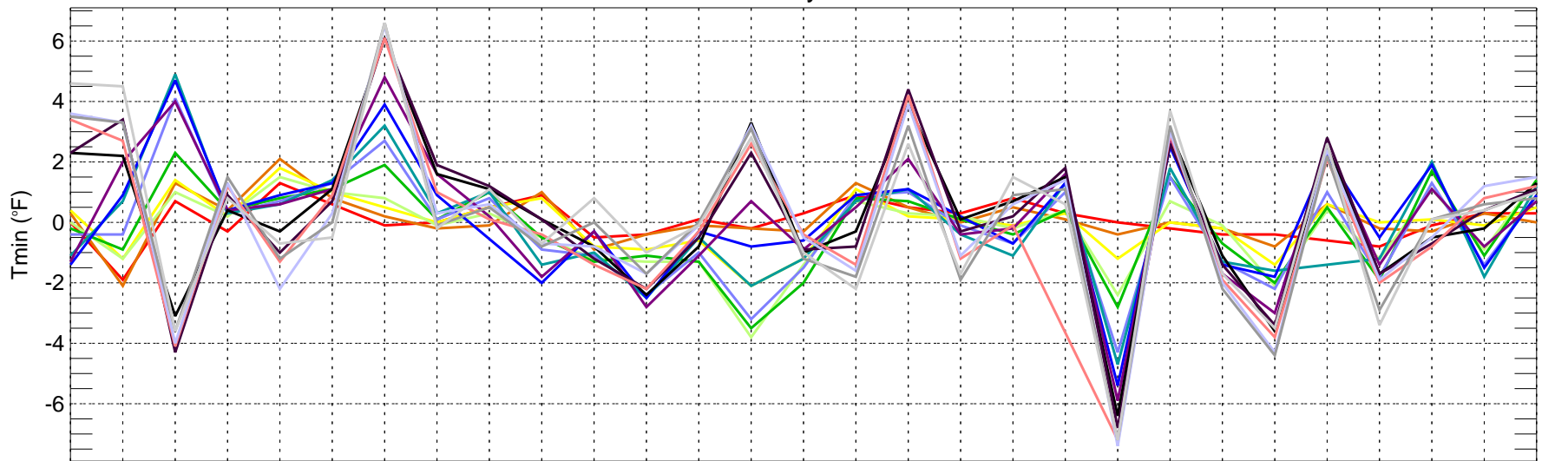


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Validation period

- day1
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DTW: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

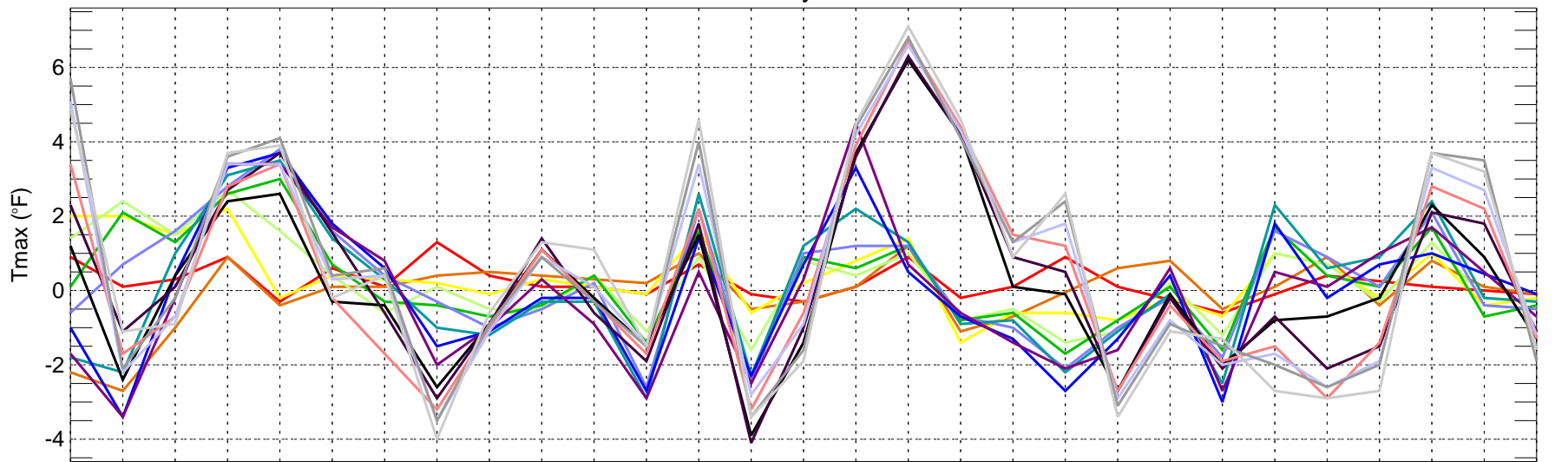


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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IAH: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

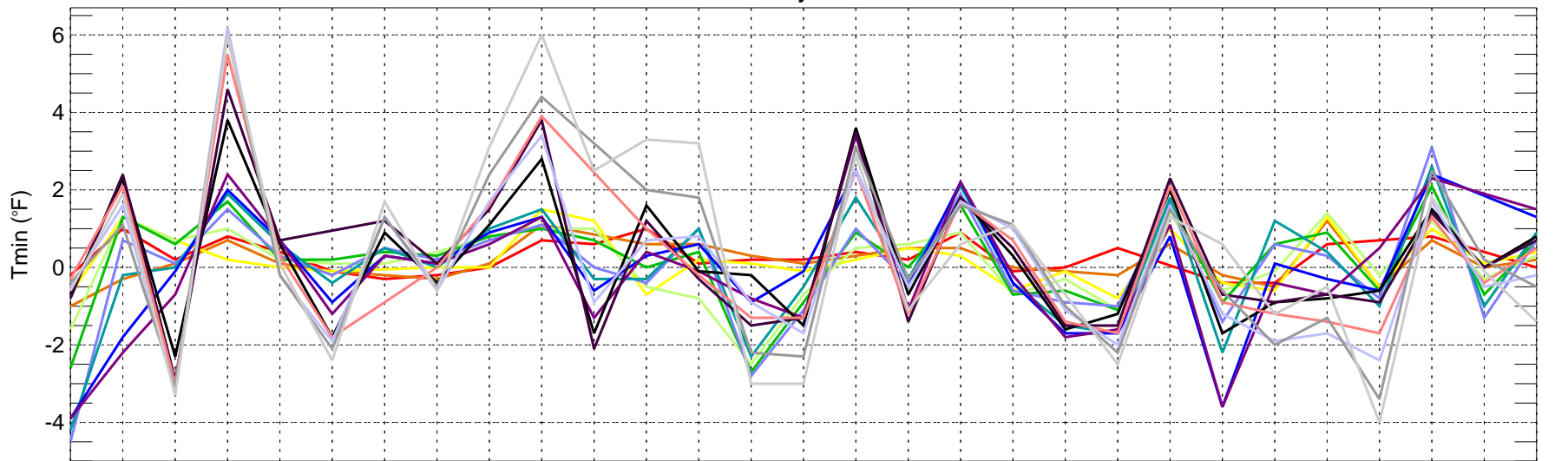


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

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IAH: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

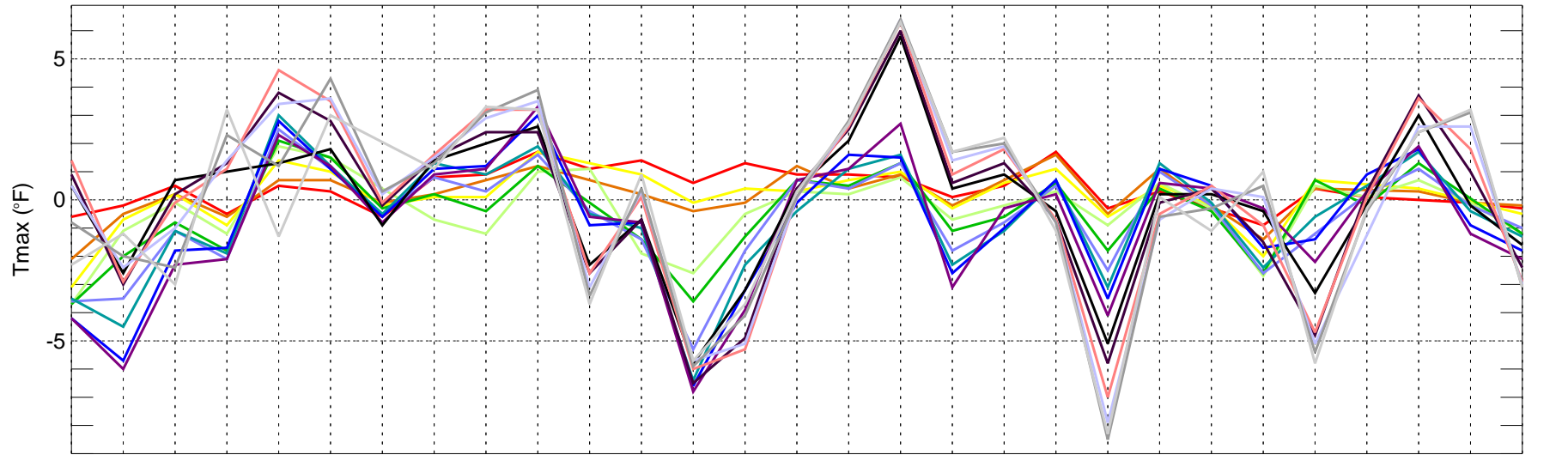


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
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LAS: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

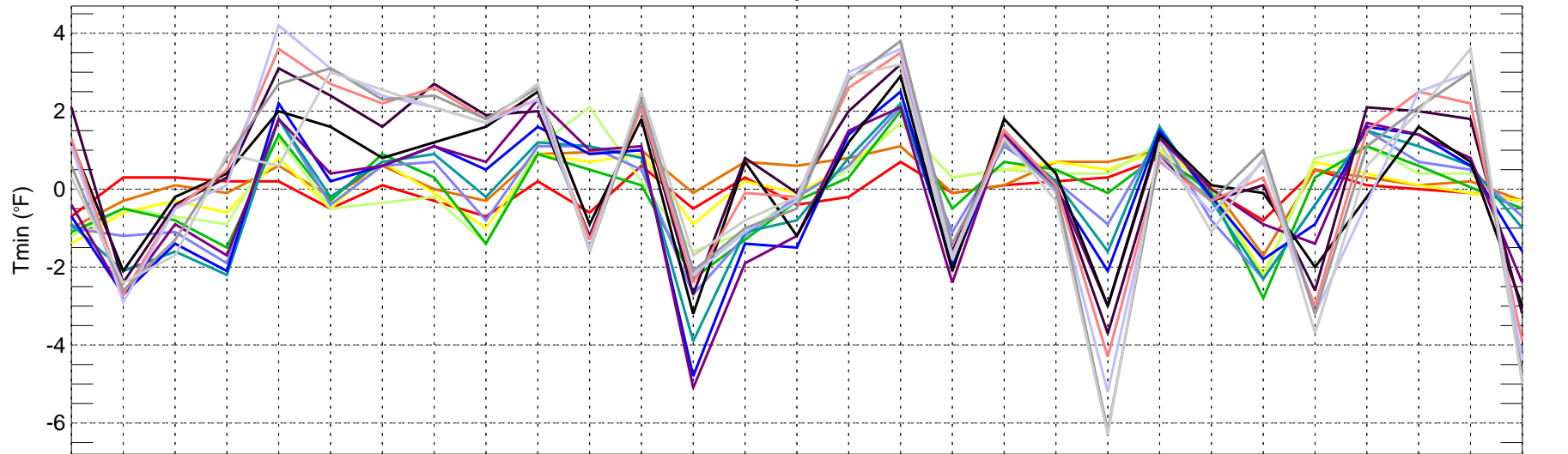


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Validation period

- day1
- day2
- day3
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LAS: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

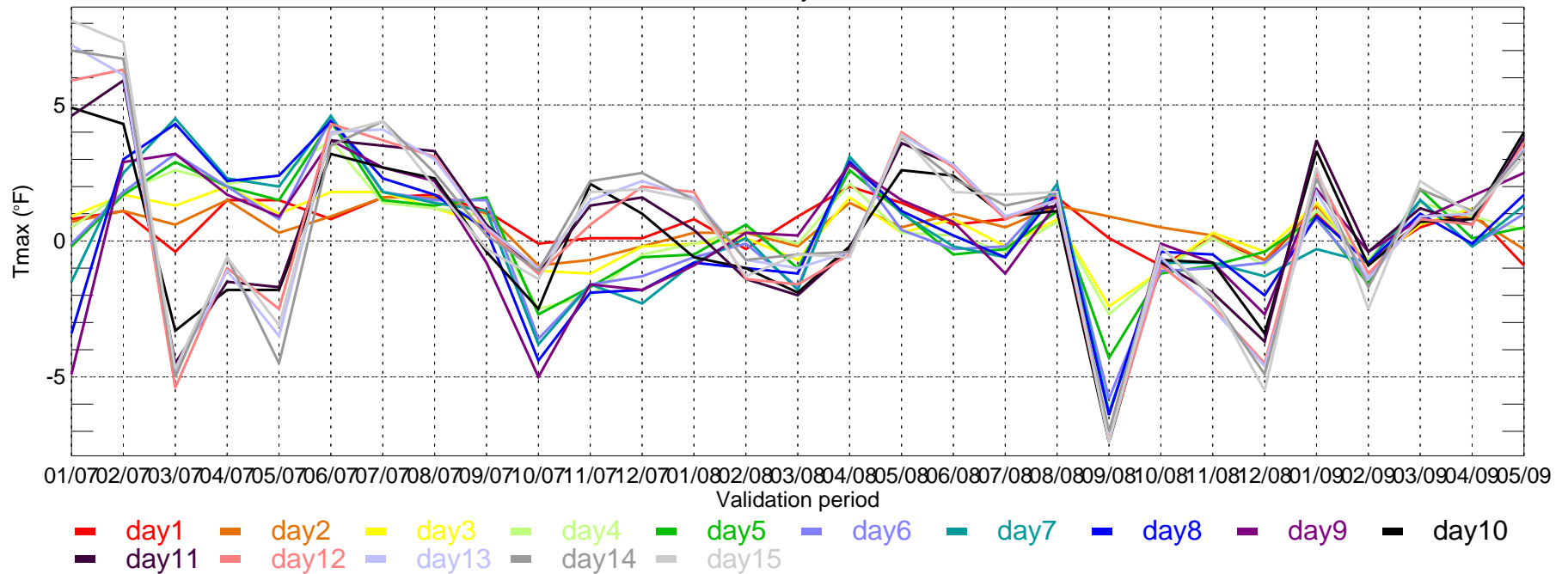


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

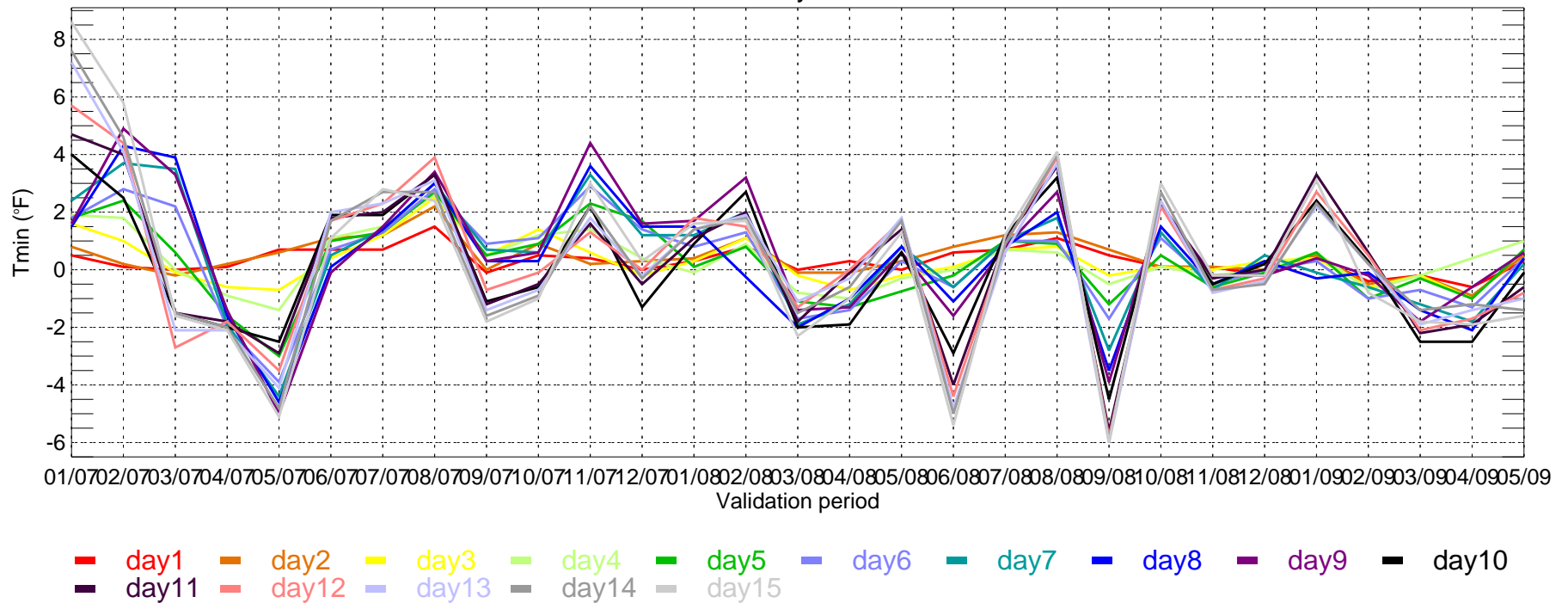
Validation period

- day1
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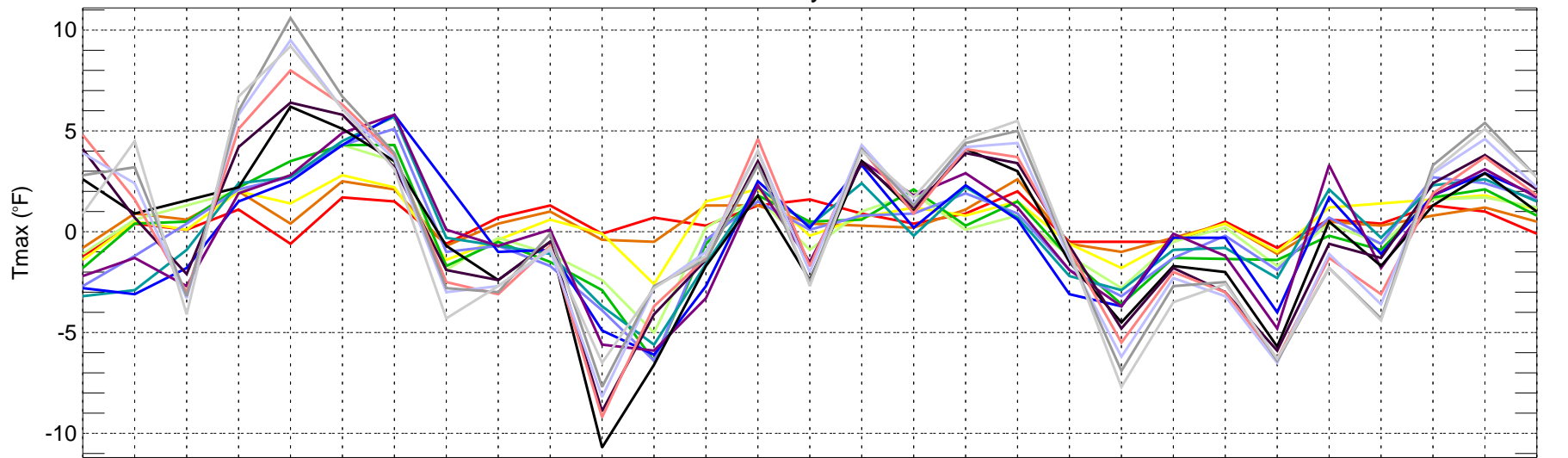
LGA: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



LGA: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



MCI: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

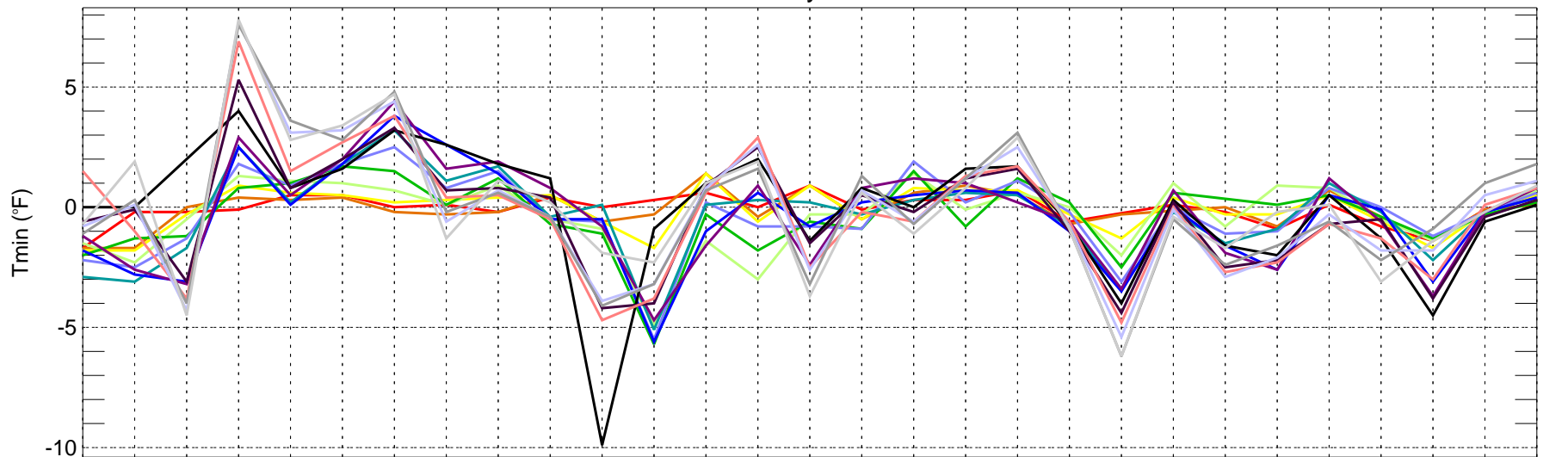


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Validation period

- day1
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MCI: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

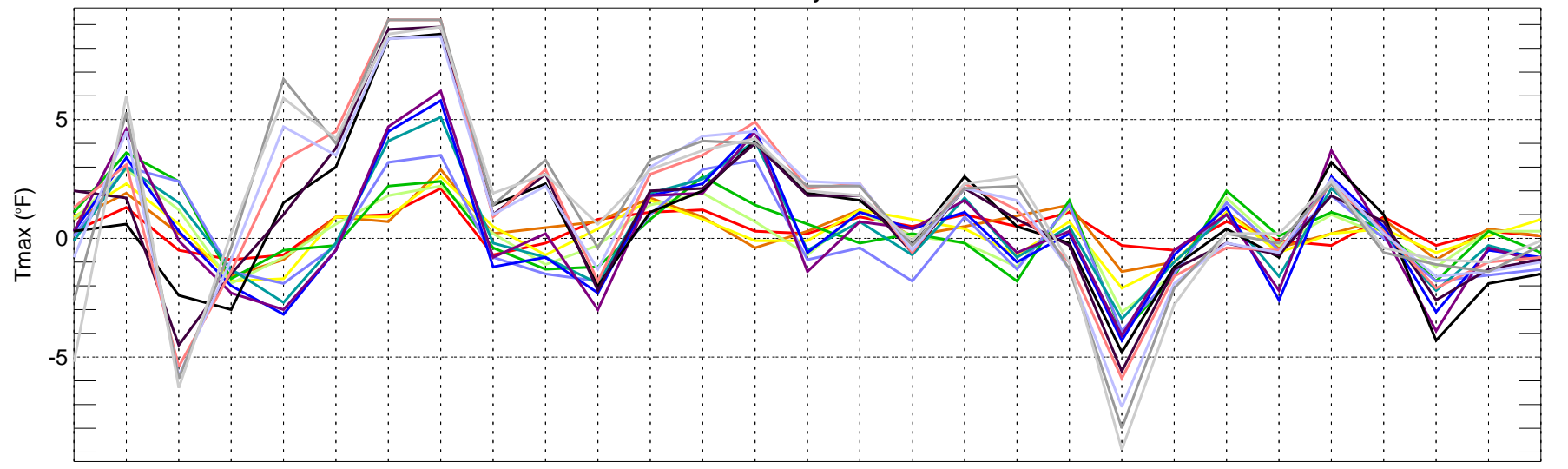


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Validation period

- day1
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MSP: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

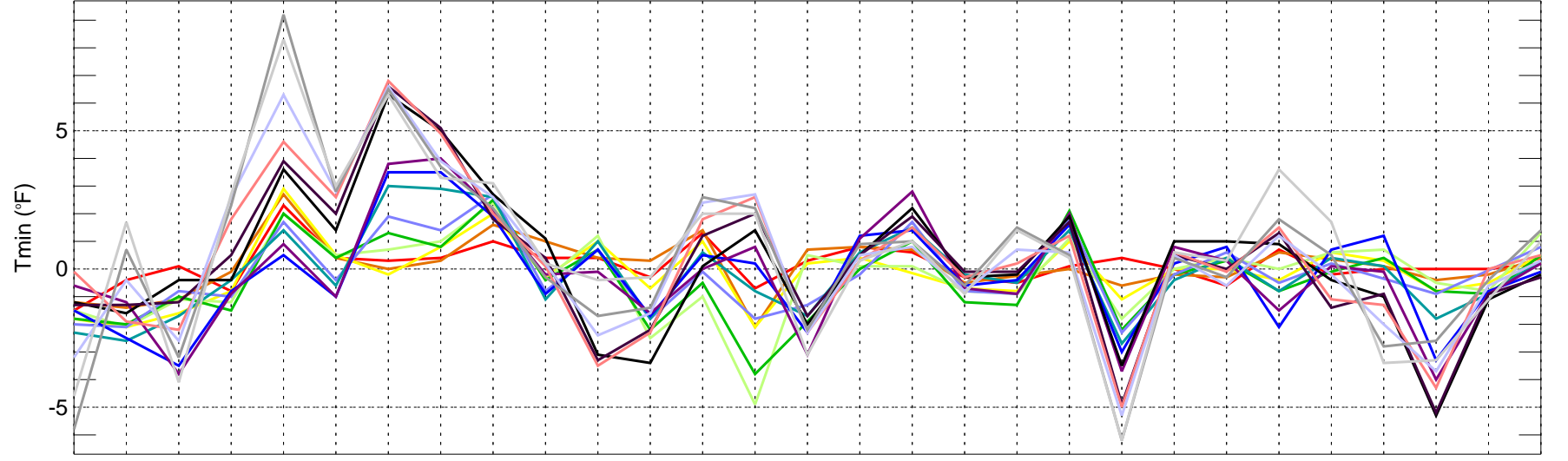


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
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MSP: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

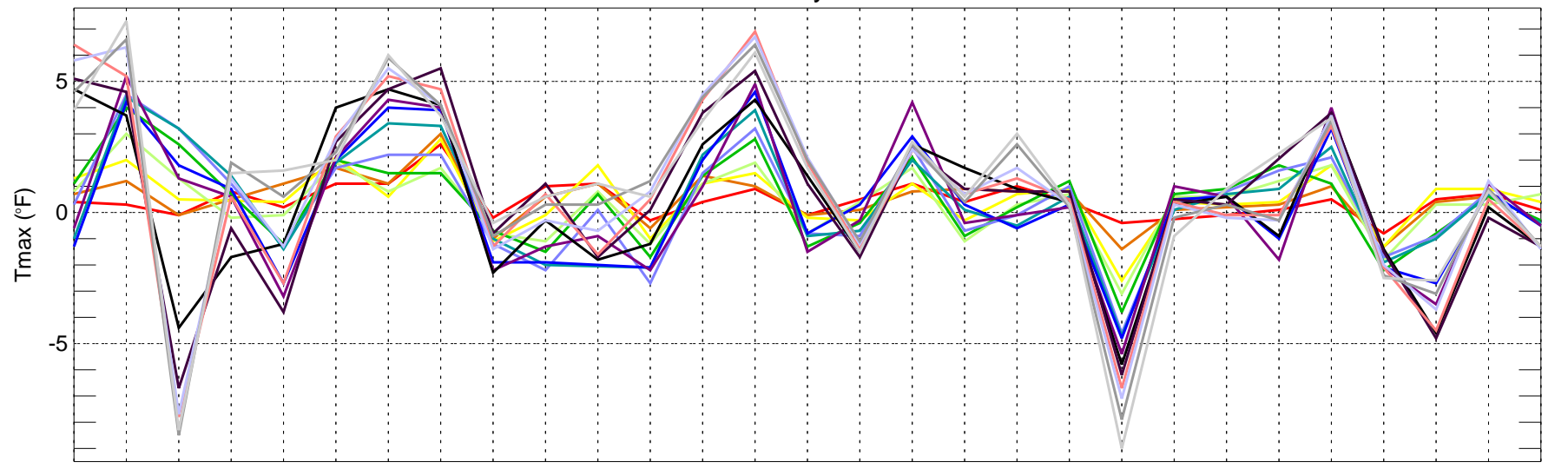


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Validation period

- day1
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ORD: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

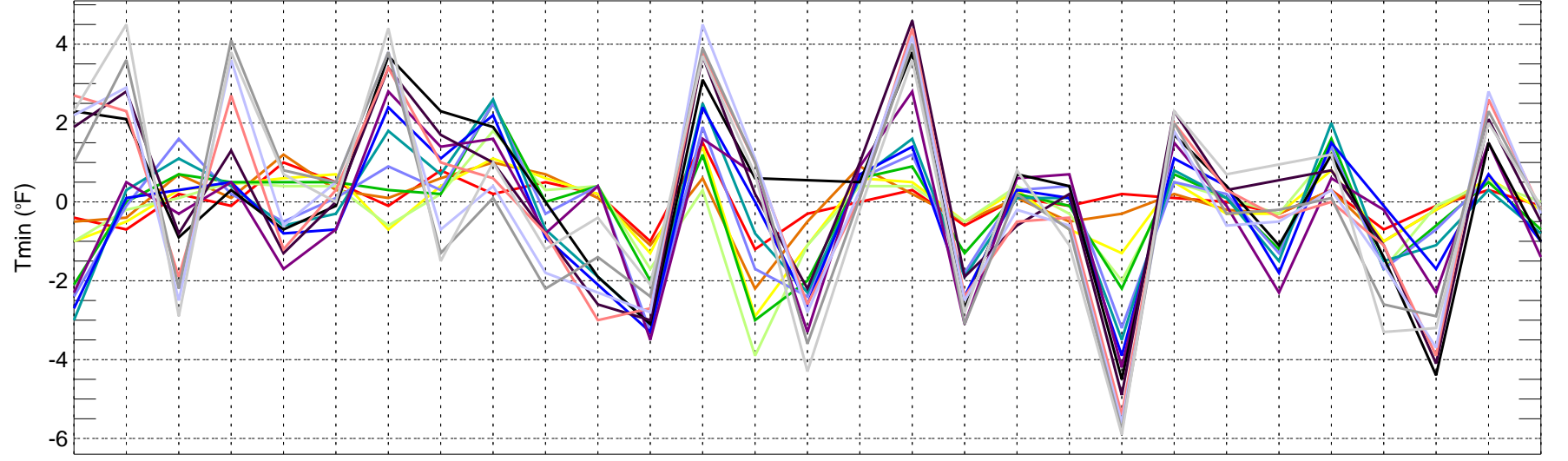


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Validation period

- day1
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ORD: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

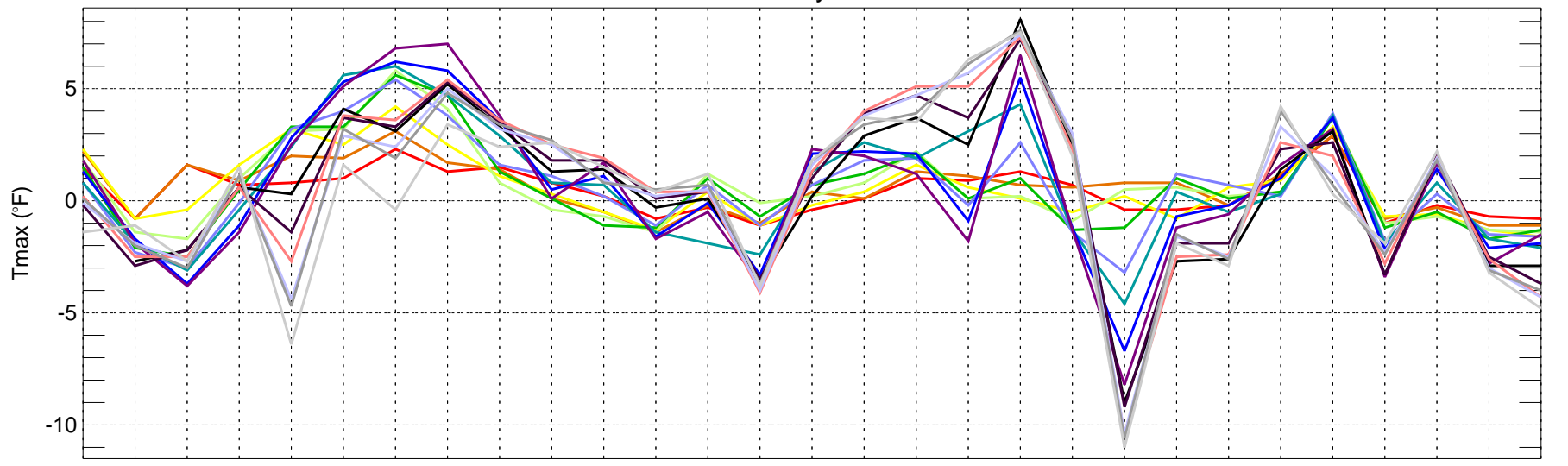


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Validation period

- day1
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PDX: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

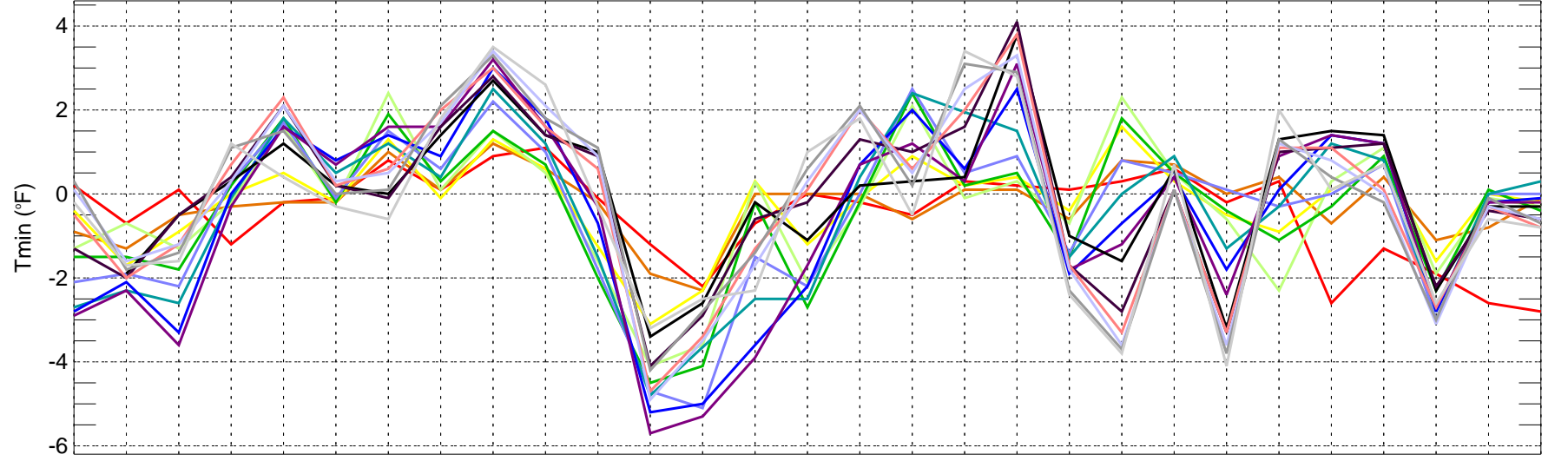


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
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PDX: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

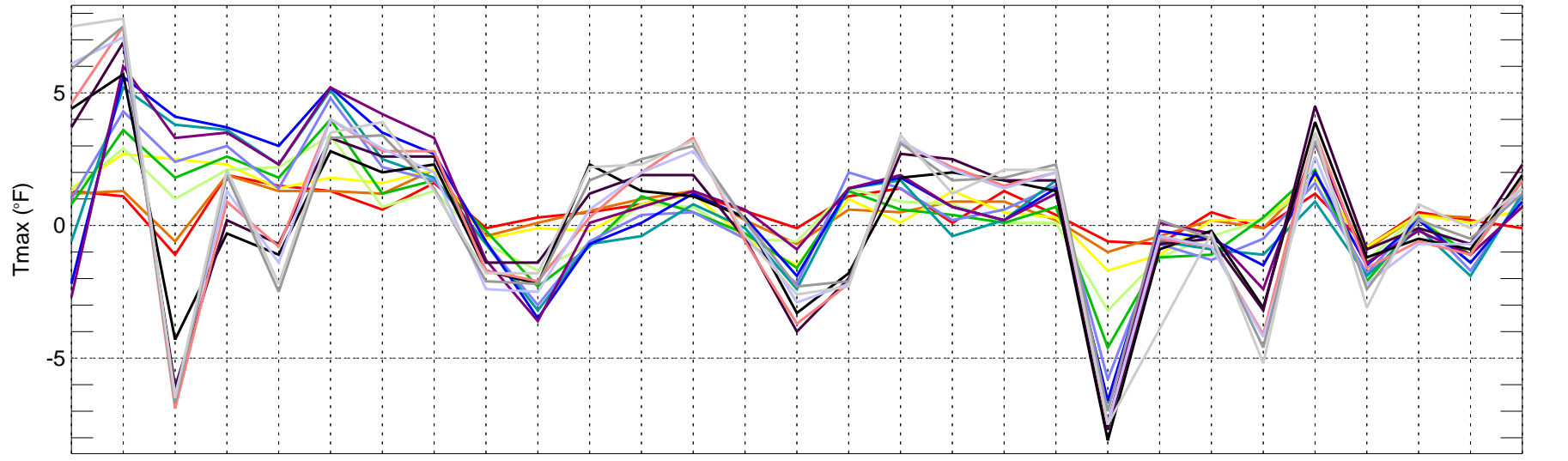


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
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PHL: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

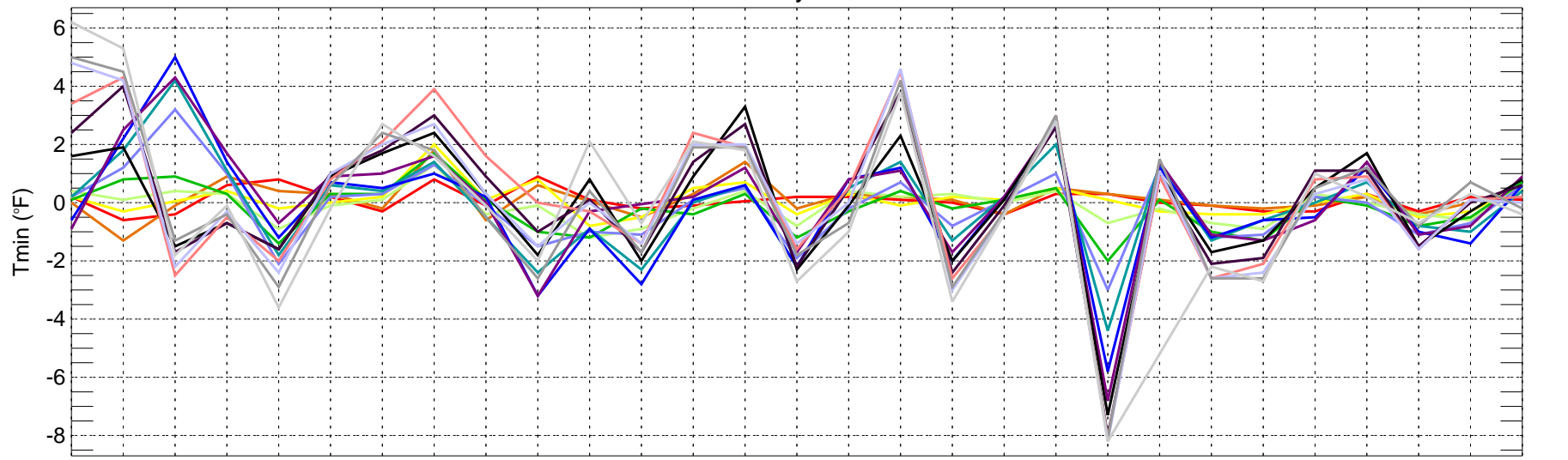


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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PHL: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

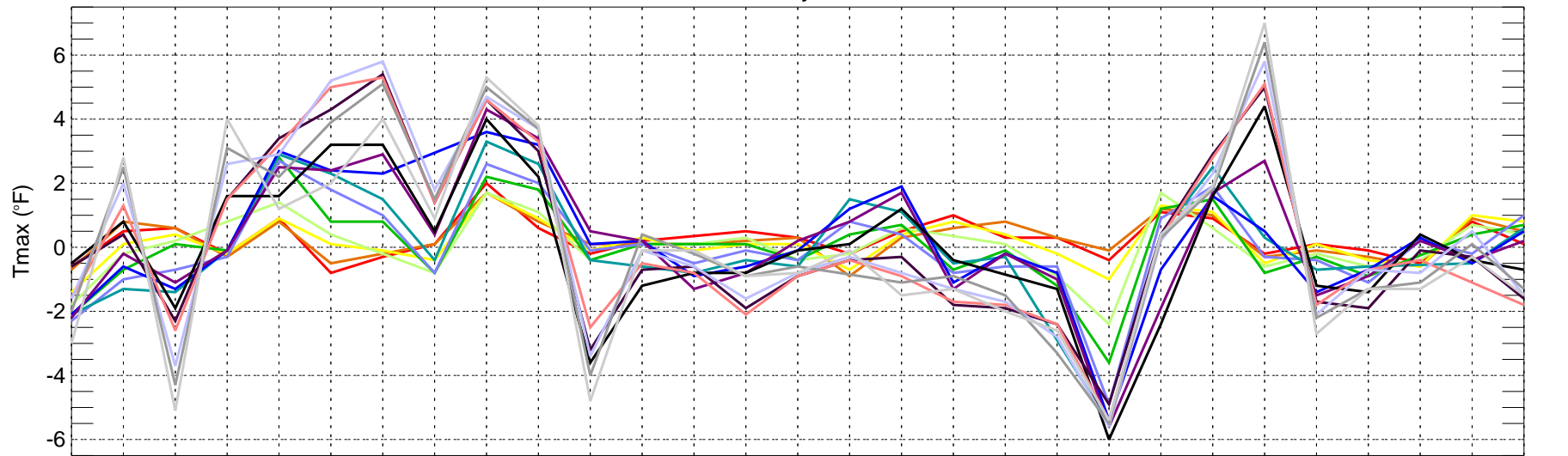


01/07 02/07 03/07 04/07 05/07 06/07 07/07 08/07 09/07 10/07 11/07 12/07 01/08 02/08 03/08 04/08 05/08 06/08 07/08 08/08 09/08 10/08 11/08 12/08 01/09 02/09 03/09 04/09 05/09

Validation period

- day1
- day2
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- day14
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SAC: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31

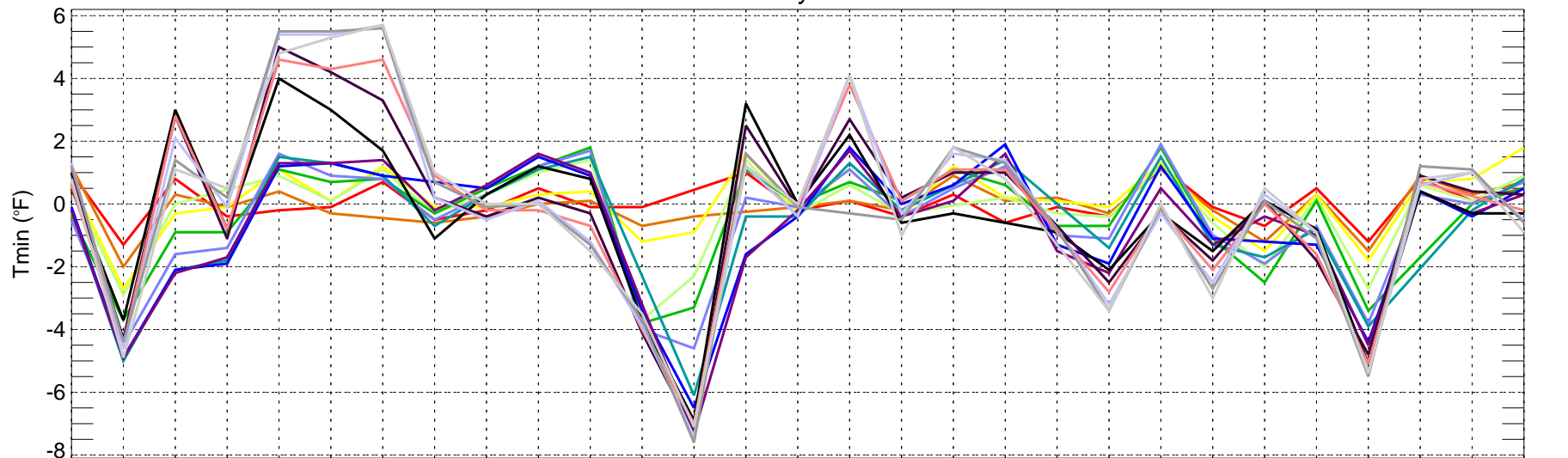


01/0702/0703/0704/0705/0706/0707/0708/0709/0710/0711/0712/0701/0802/0803/0804/0805/0806/0807/0808/0809/0810/0811/0812/0801/0902/0903/0904/0905/09

Validation period

- day1
- day2
- day3
- day4
- day5
- day6
- day7
- day8
- day9
- day10
- day11
- day12
- day13
- day14
- day15

SAC: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

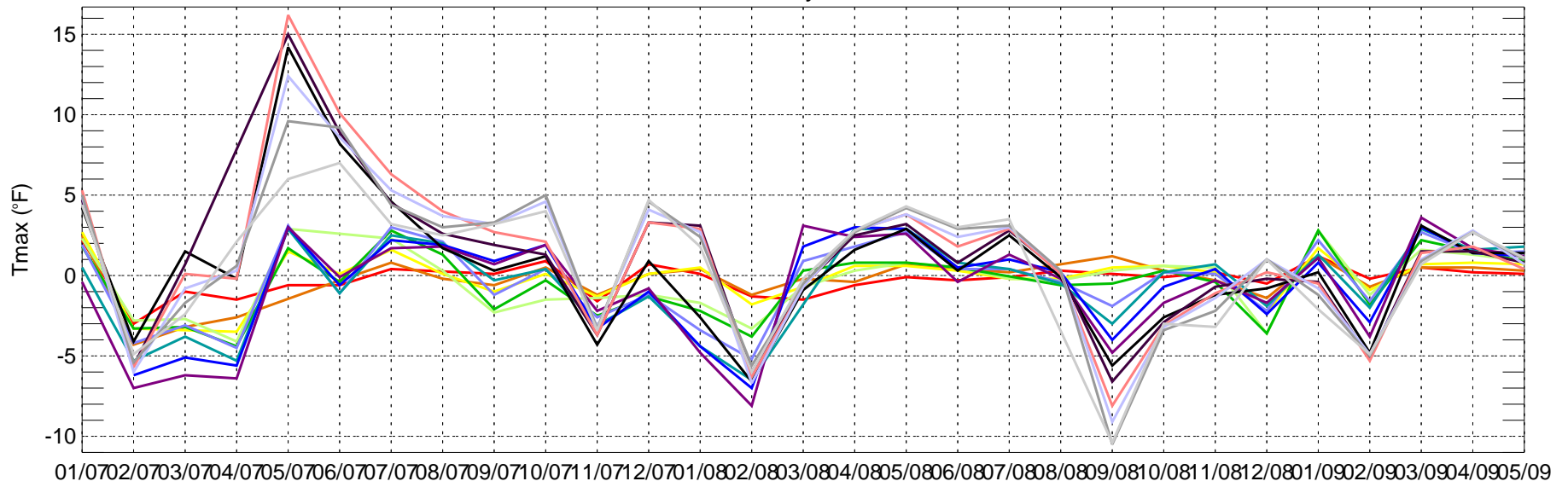


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Validation period

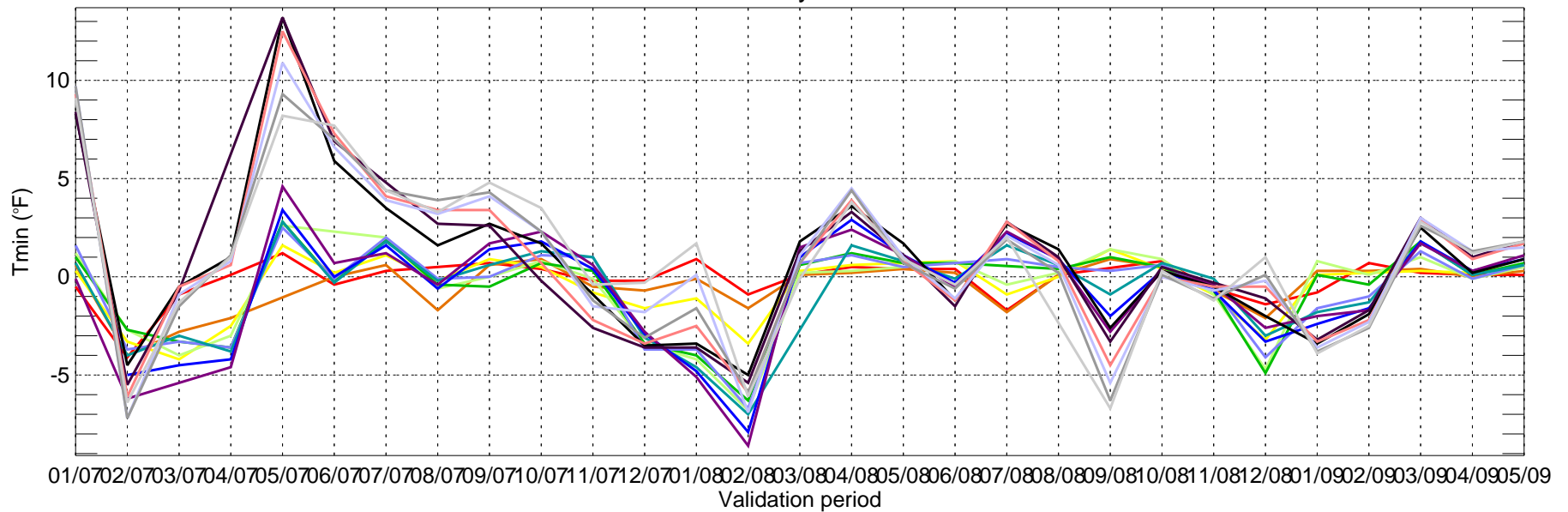
- day1
- day2
- day3
- day4
- day5
- day6
- day7
- day8
- day9
- day10
- day11
- day12
- day13
- day14
- day15

SLC: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



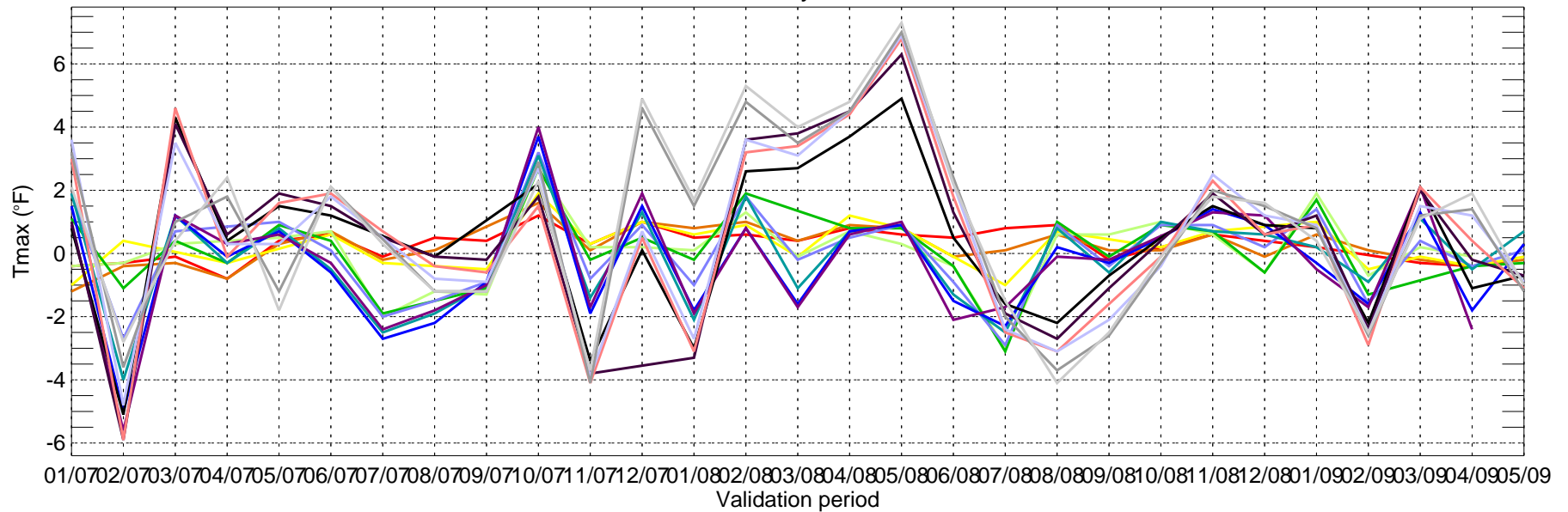
- day1
- day2
- day3
- day4
- day5
- day6
- day7
- day8
- day9
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- day12
- day13
- day14
- day15

SLC: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31



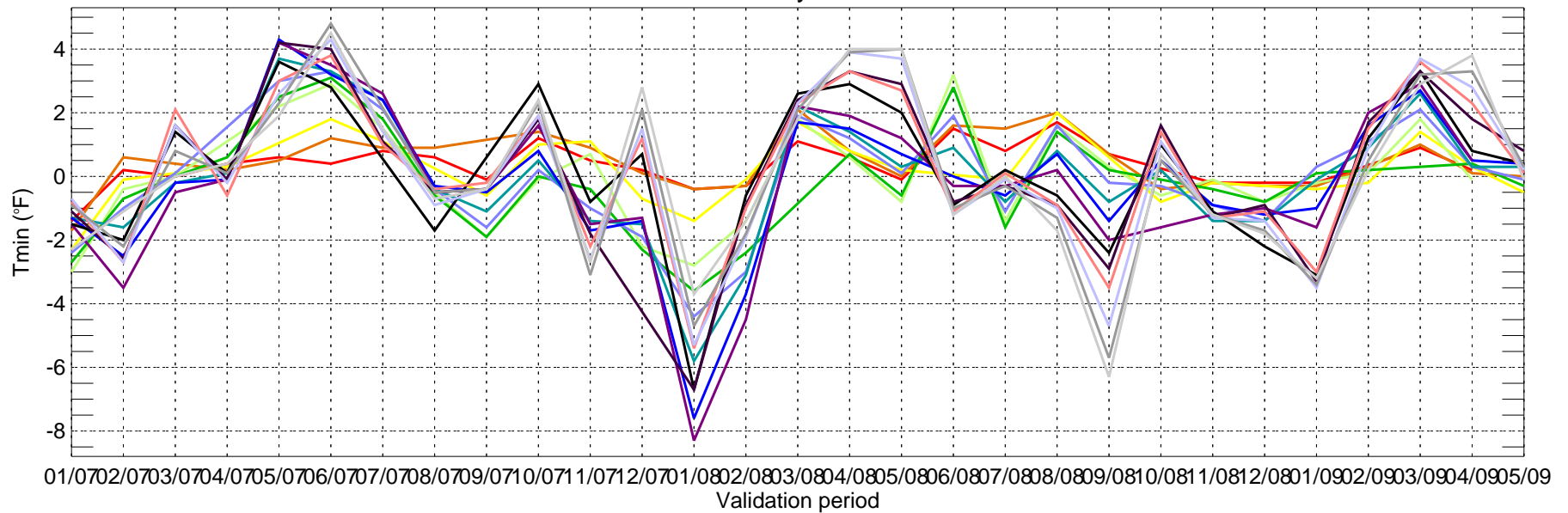
- day1
- day2
- day3
- day4
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- day7
- day8
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- day14
- day15

TUS: ECMWF BIAS of Tmax for Monthly Period from 2007-01-01 ~ 2009-05-31



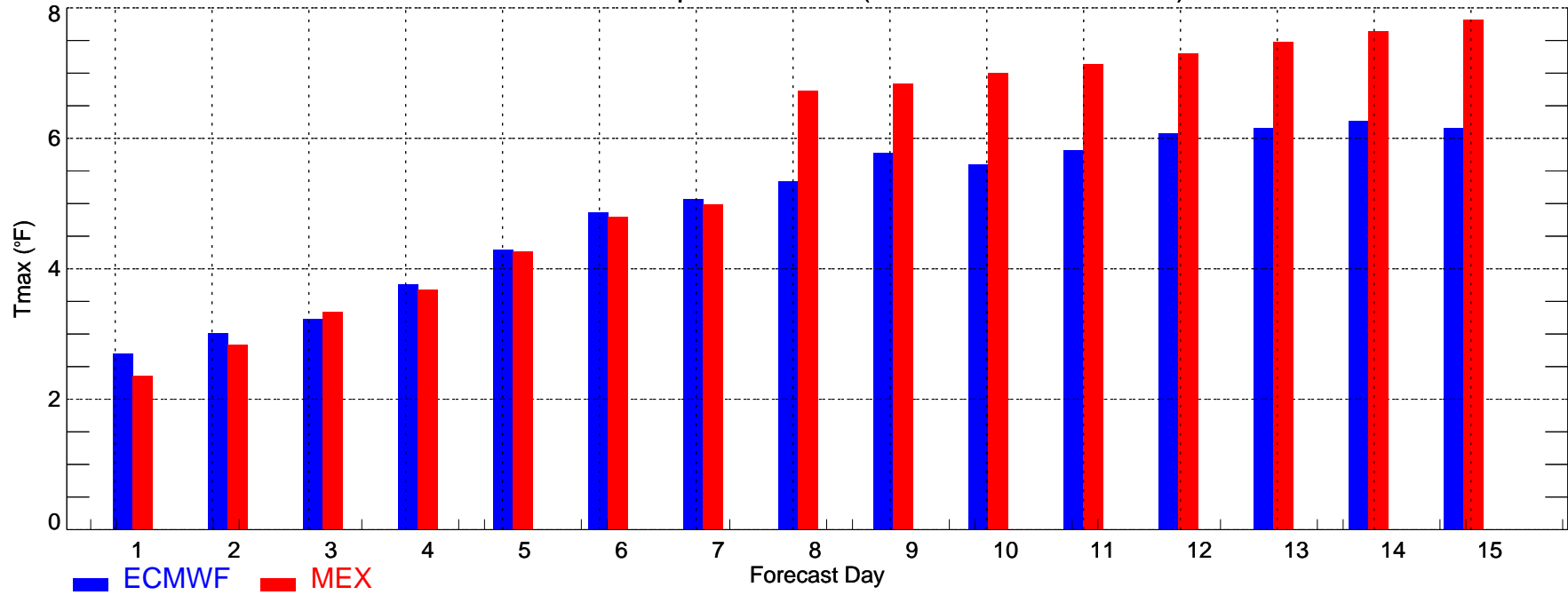
- day1
- day2
- day3
- day4
- day5
- day6
- day7
- day8
- day9
- day10
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- day12
- day13
- day14
- day15

TUS: ECMWF BIAS of Tmin for Monthly Period from 2007-01-01 ~ 2009-05-31

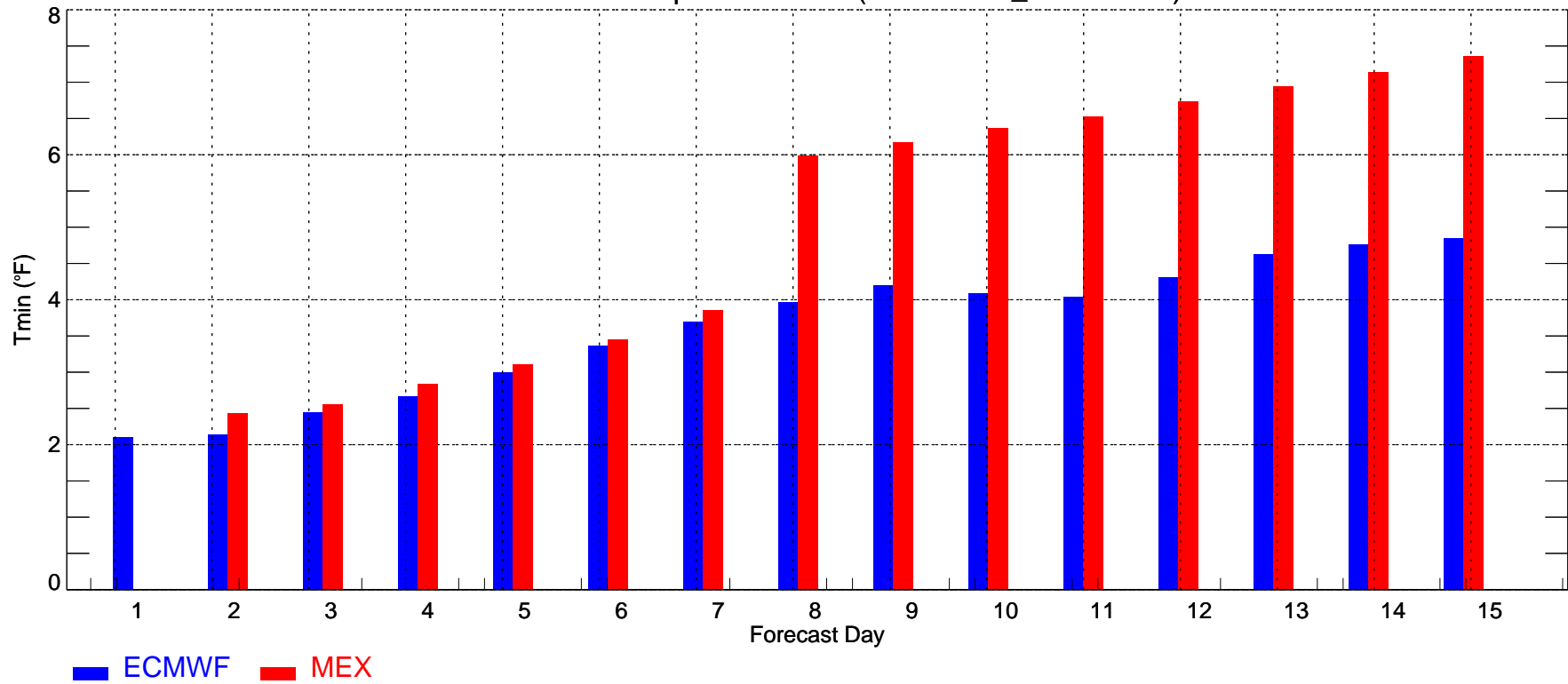


- day1
- day2
- day3
- day4
- day5
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- day7
- day8
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- day14
- day15

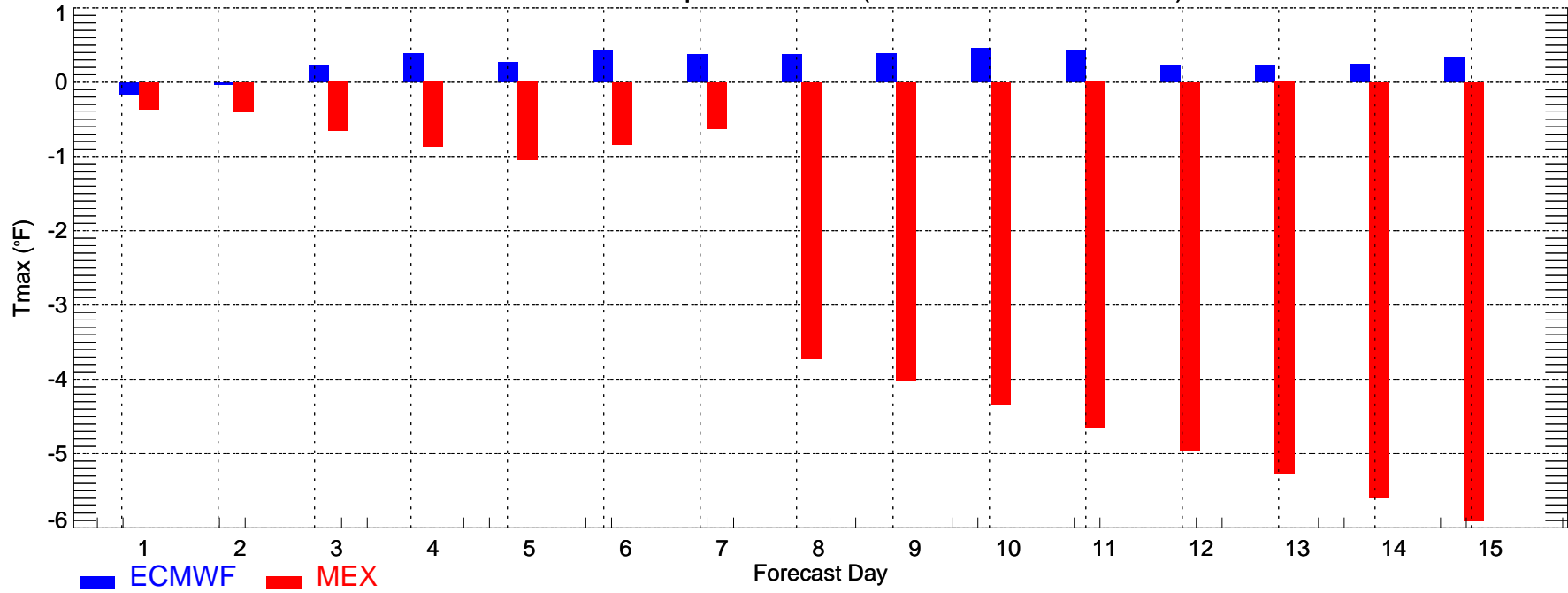
CME18: Max Temperature MAE (2009-05-01\_2009-05-31)



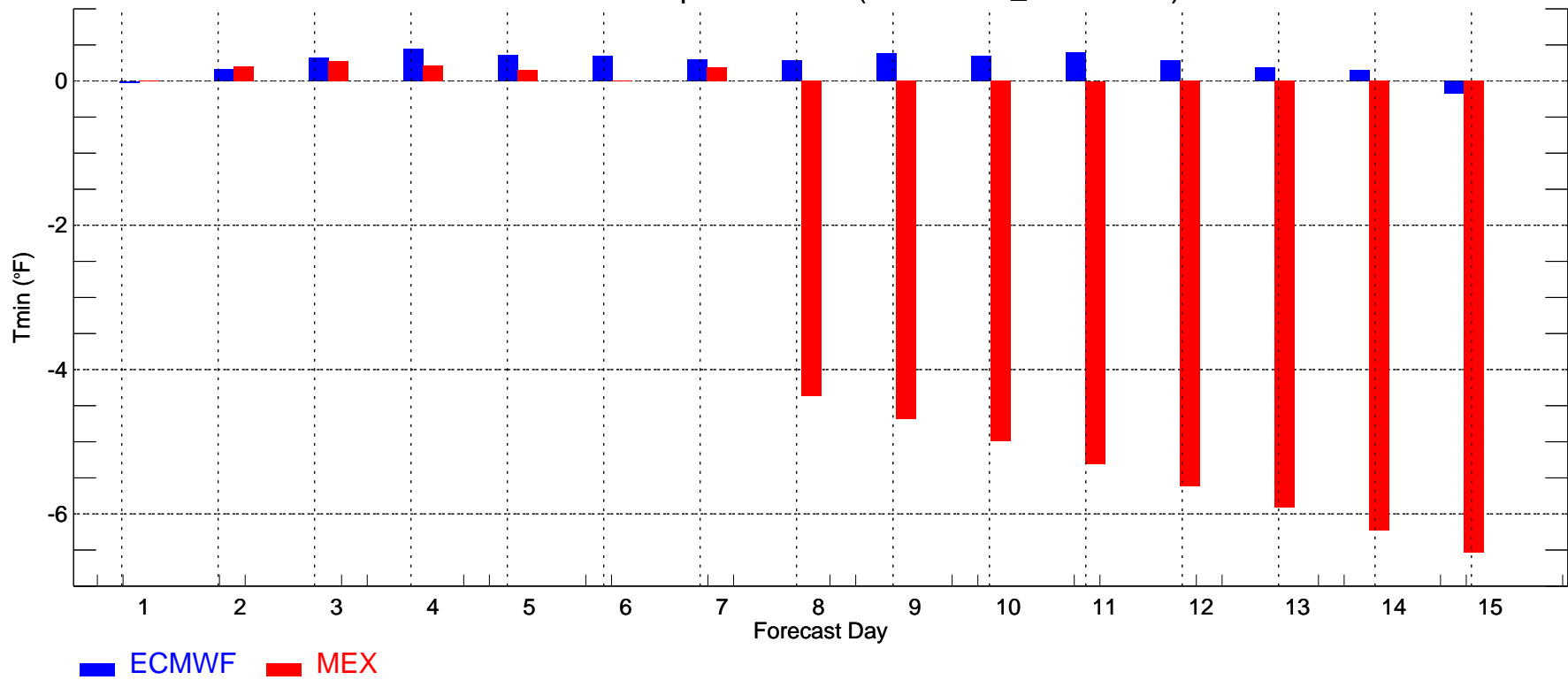
CME18: Min Temperature MAE (2009-05-01\_2009-05-31)



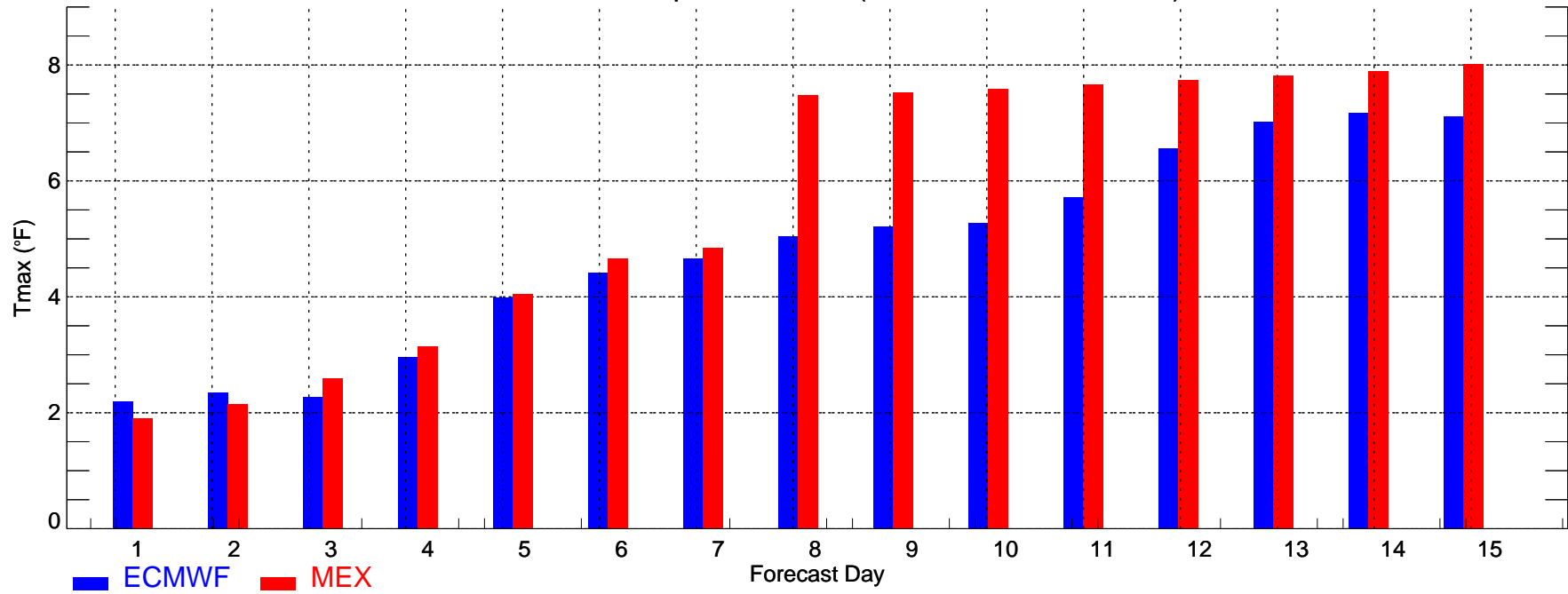
CME18: Max Temperature Bias (2009-05-01\_2009-05-31)



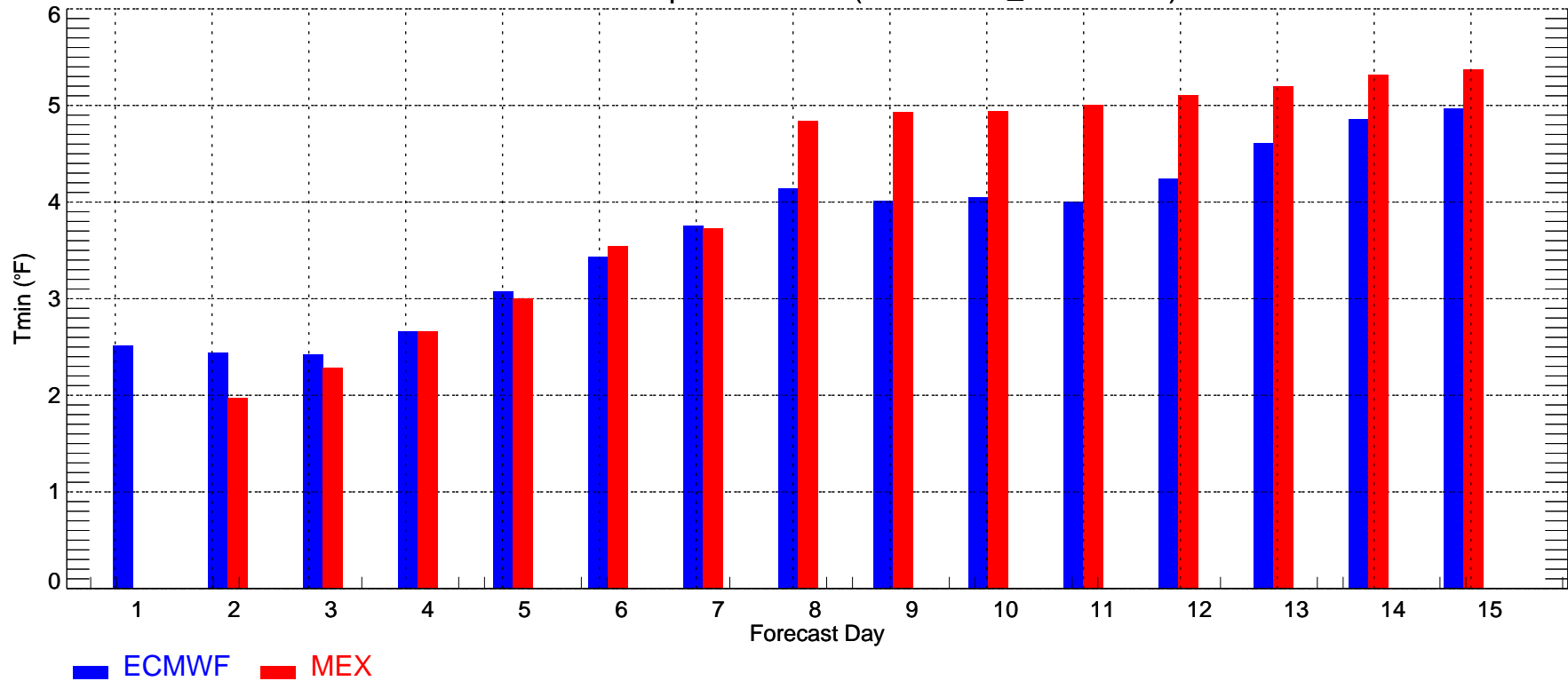
CME18: Min Temperature Bias (2009-05-01\_2009-05-31)



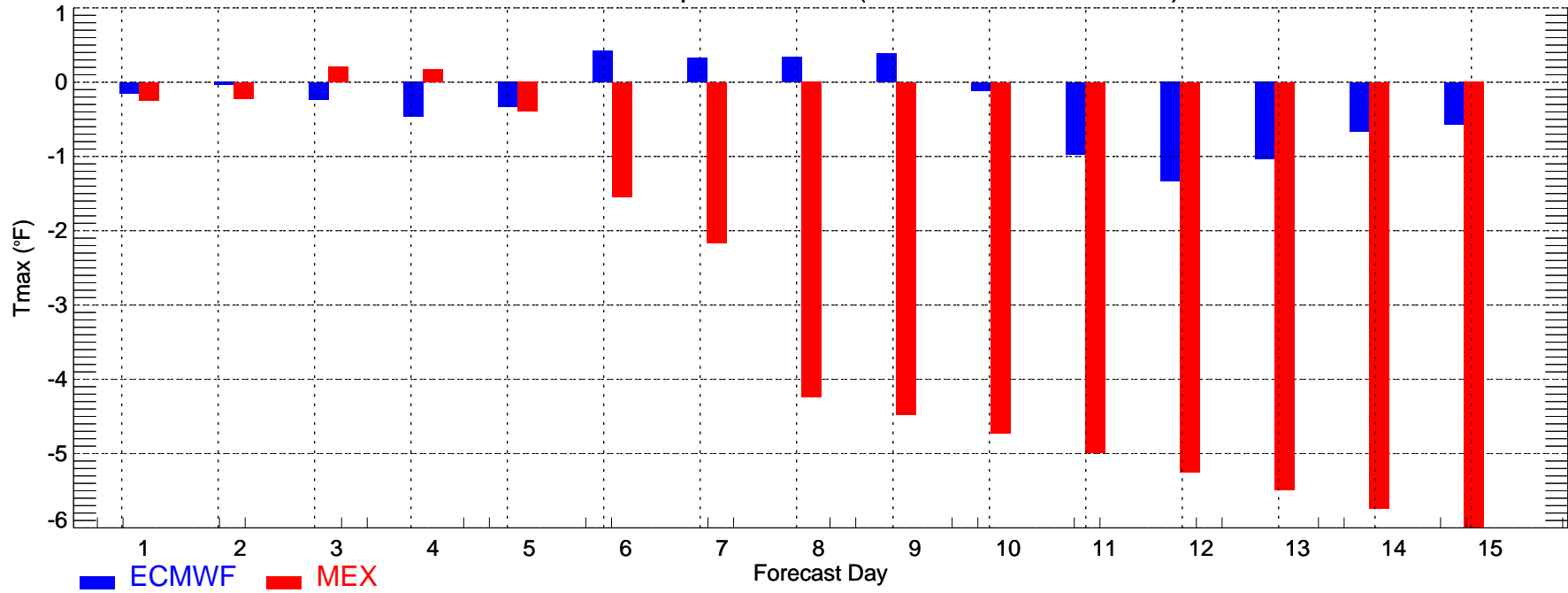
USNW: Max Temperature MAE (2009-05-01\_2009-05-31)



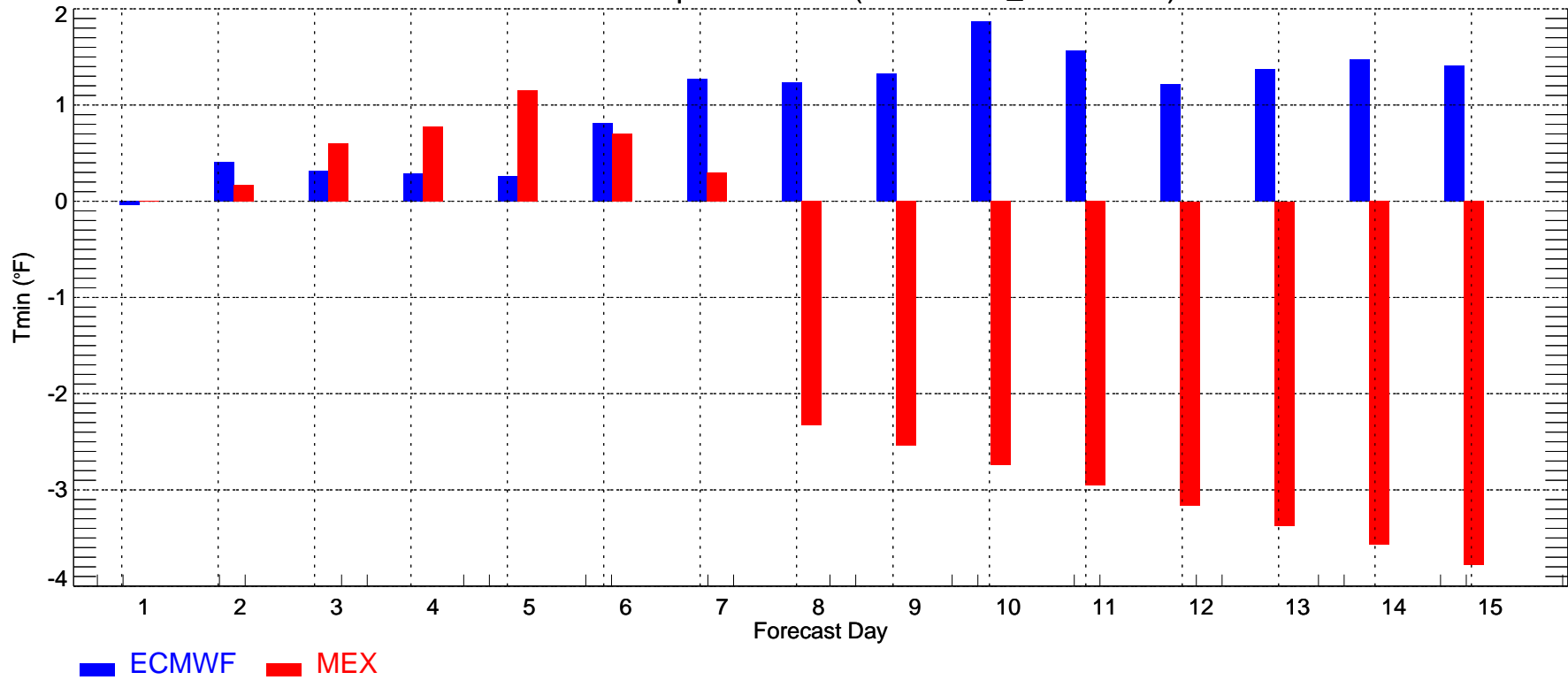
USNW: Min Temperature MAE (2009-05-01\_2009-05-31)



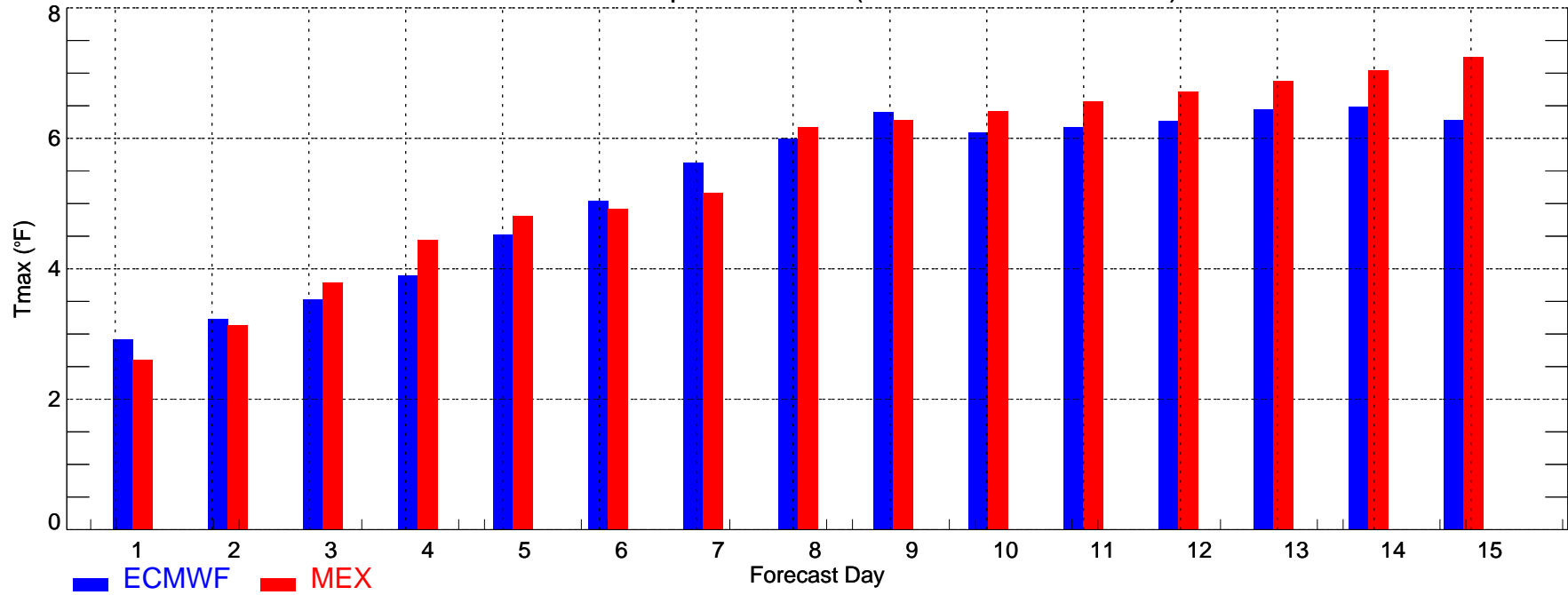
USNW: Max Temperature Bias (2009-05-01\_2009-05-31)



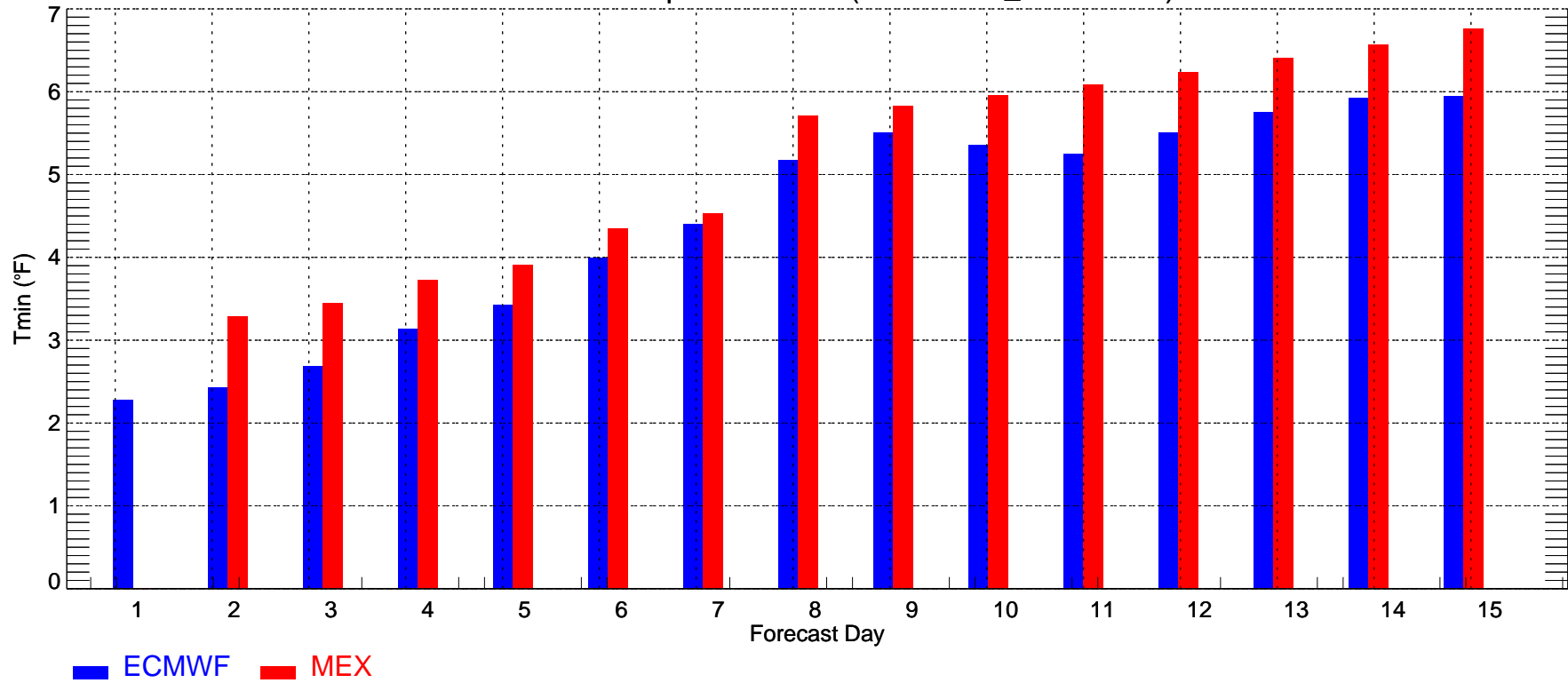
USNW: Min Temperature Bias (2009-05-01\_2009-05-31)



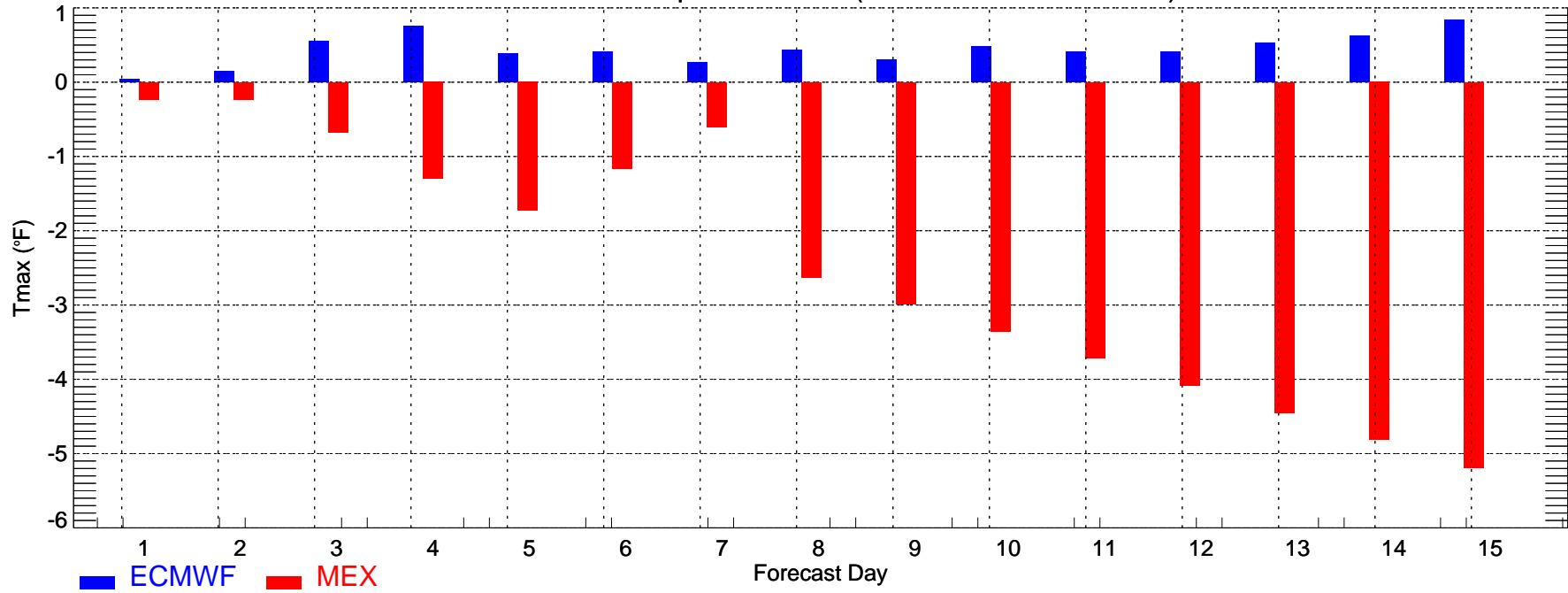
USNC: Max Temperature MAE (2009-05-01\_2009-05-31)



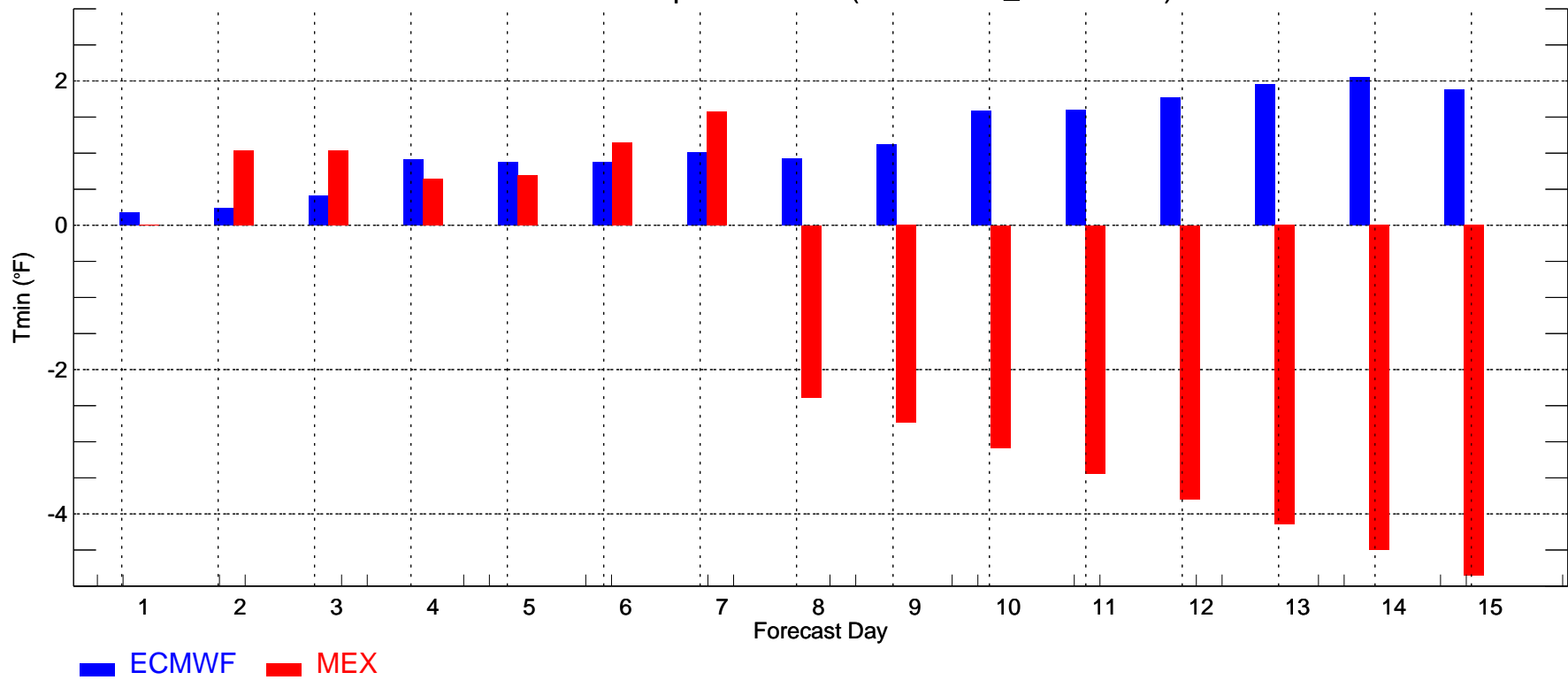
USNC: Min Temperature MAE (2009-05-01\_2009-05-31)



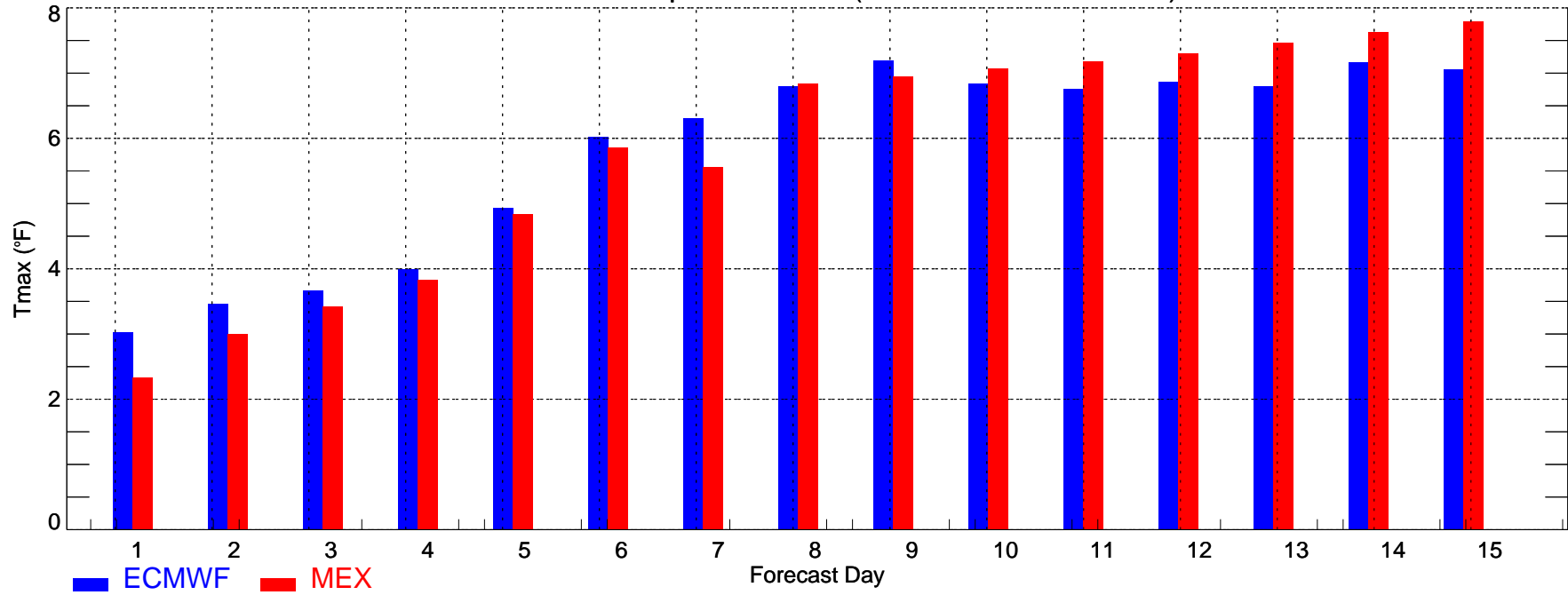
USNC: Max Temperature Bias (2009-05-01\_2009-05-31)



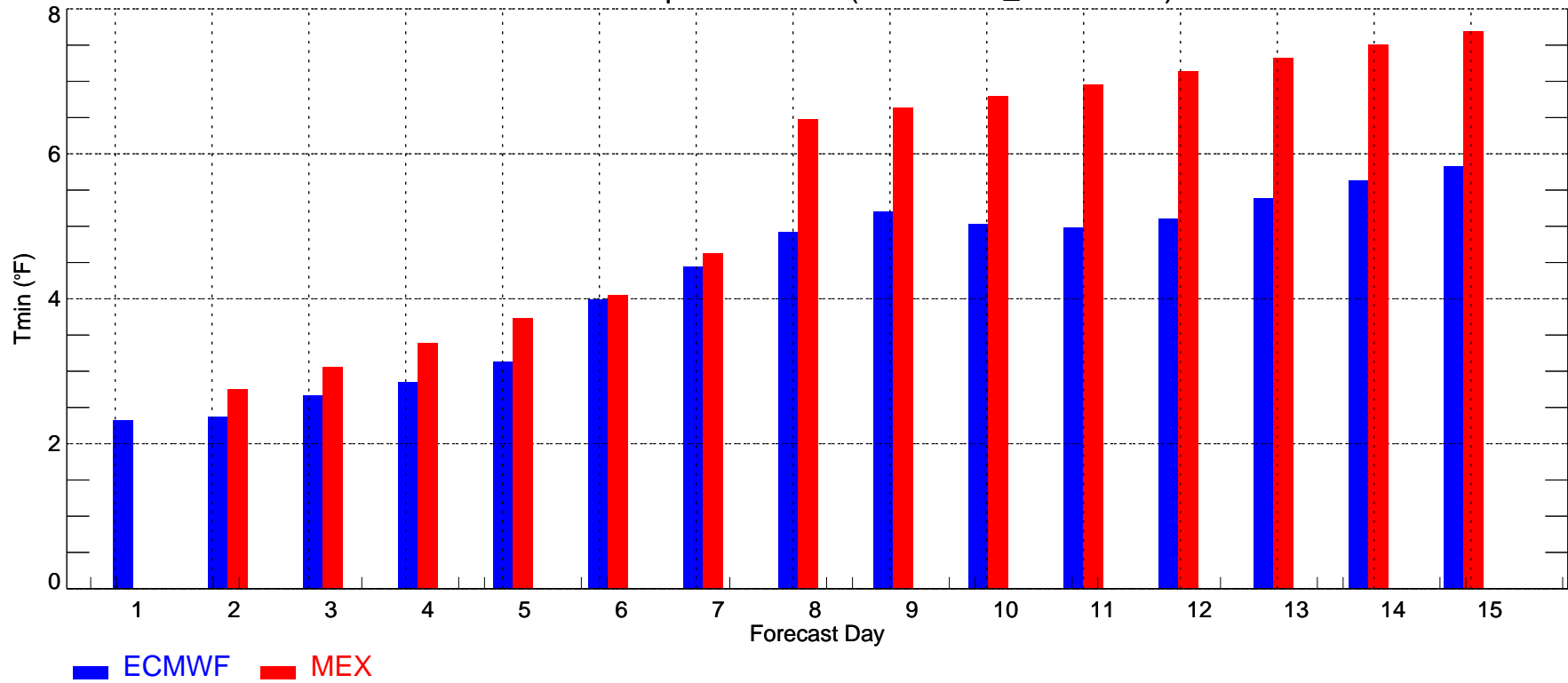
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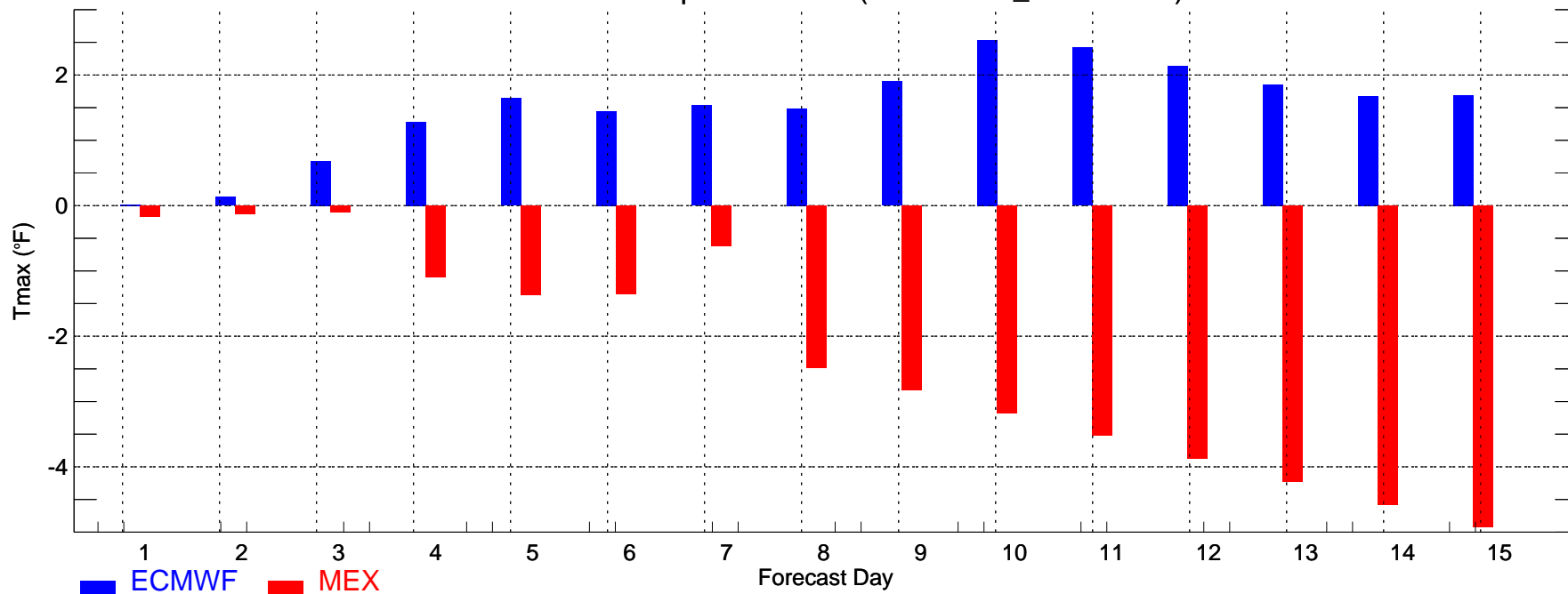
USNE: Max Temperature MAE (2009-05-01\_2009-05-31)



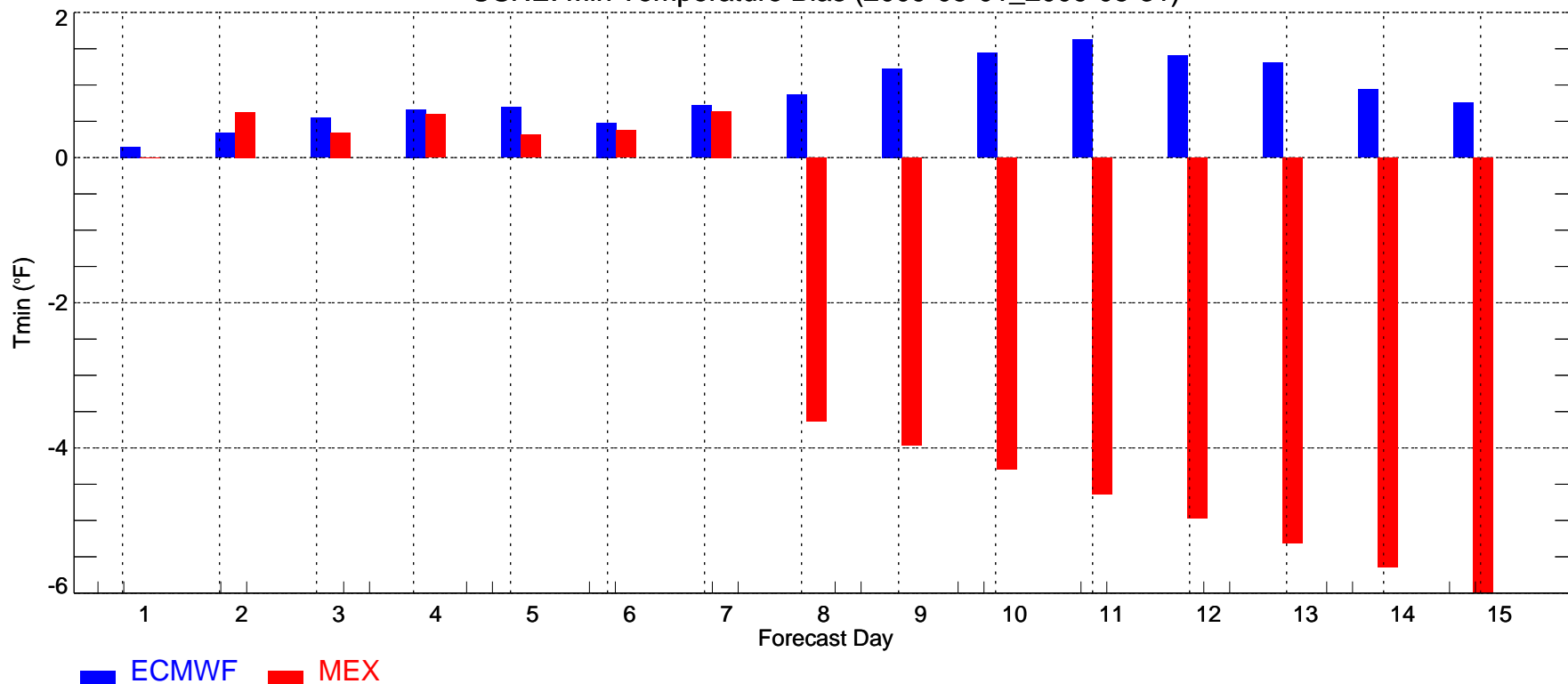
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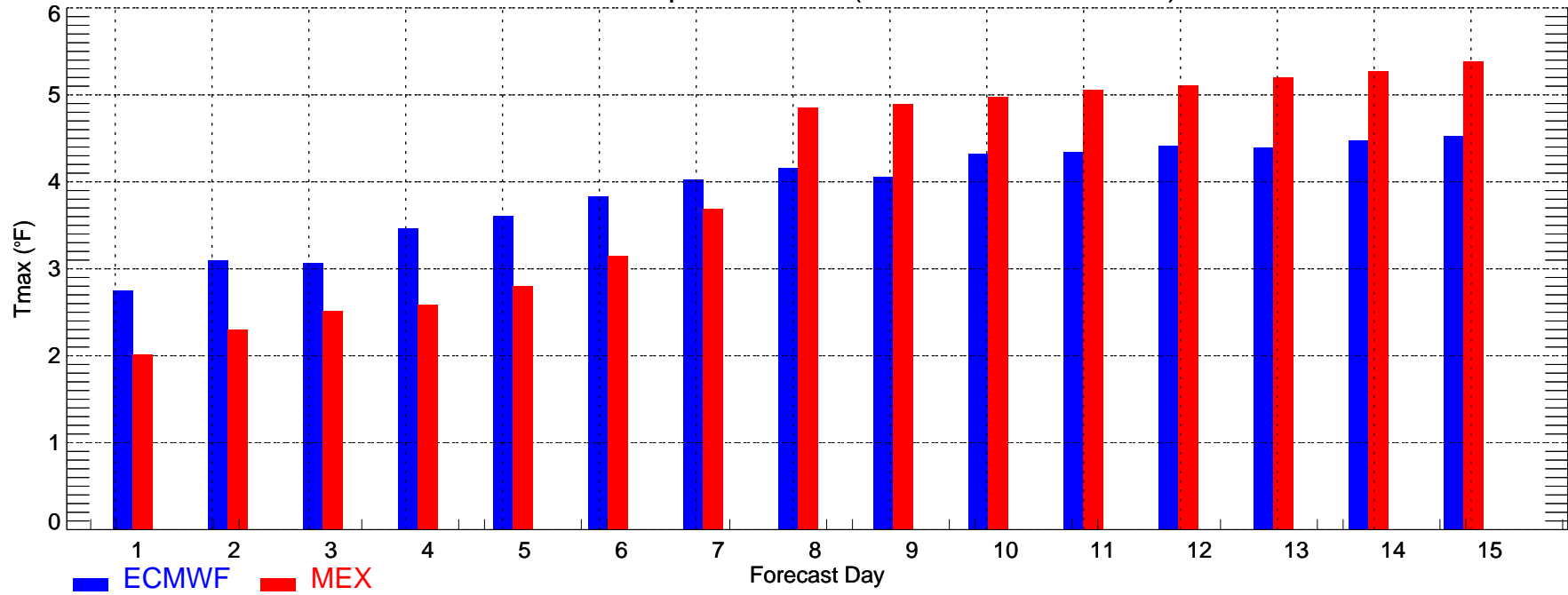
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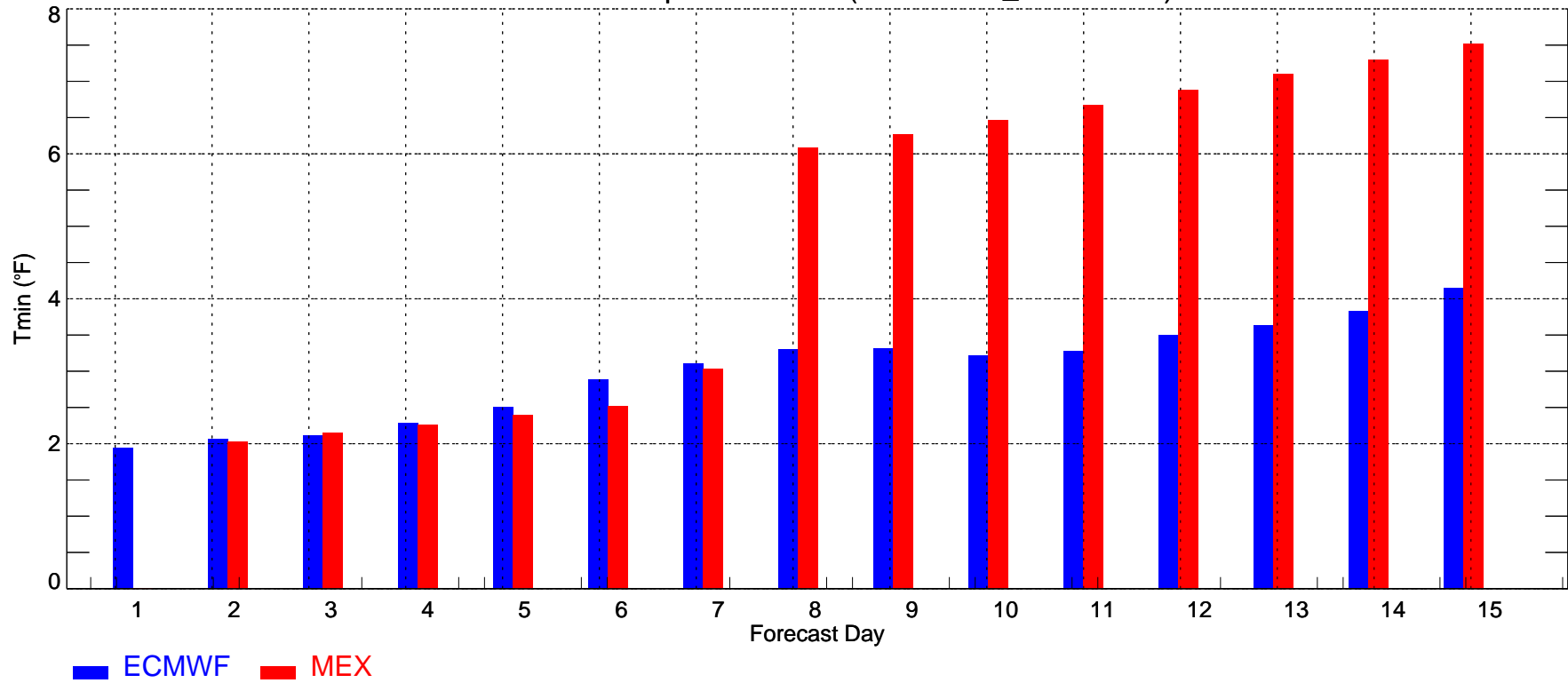
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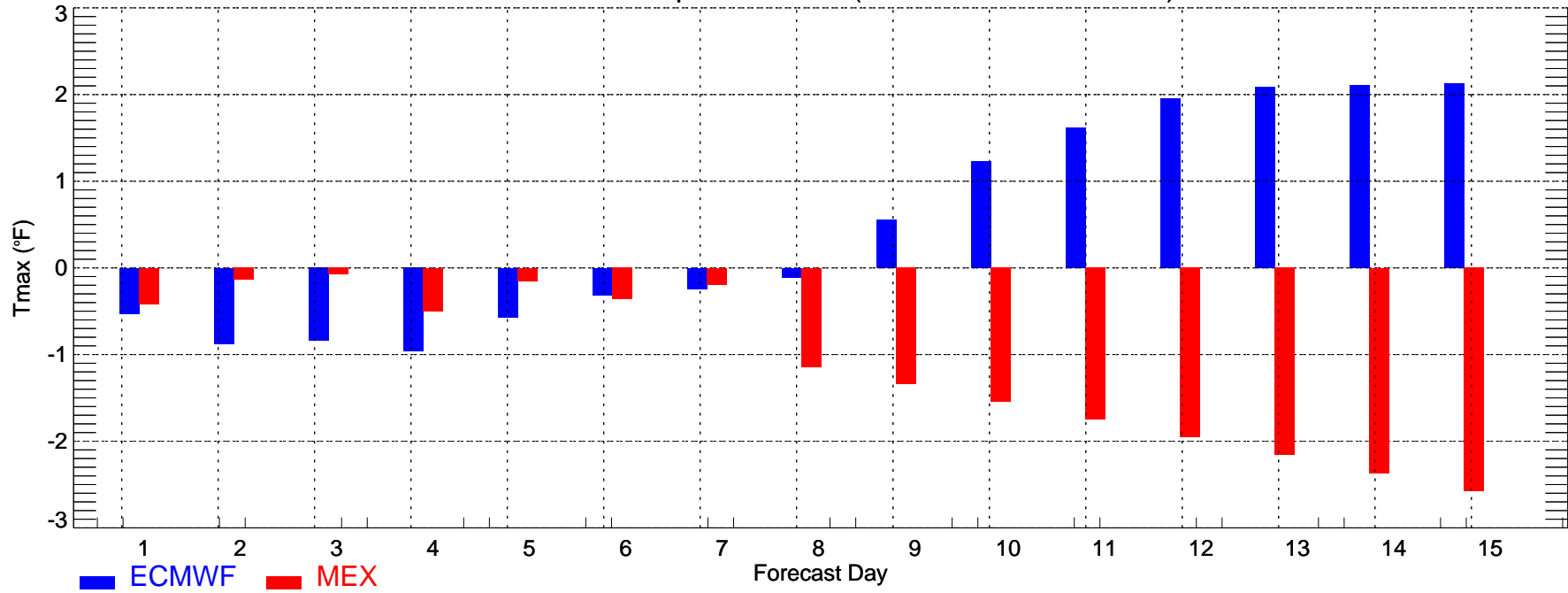
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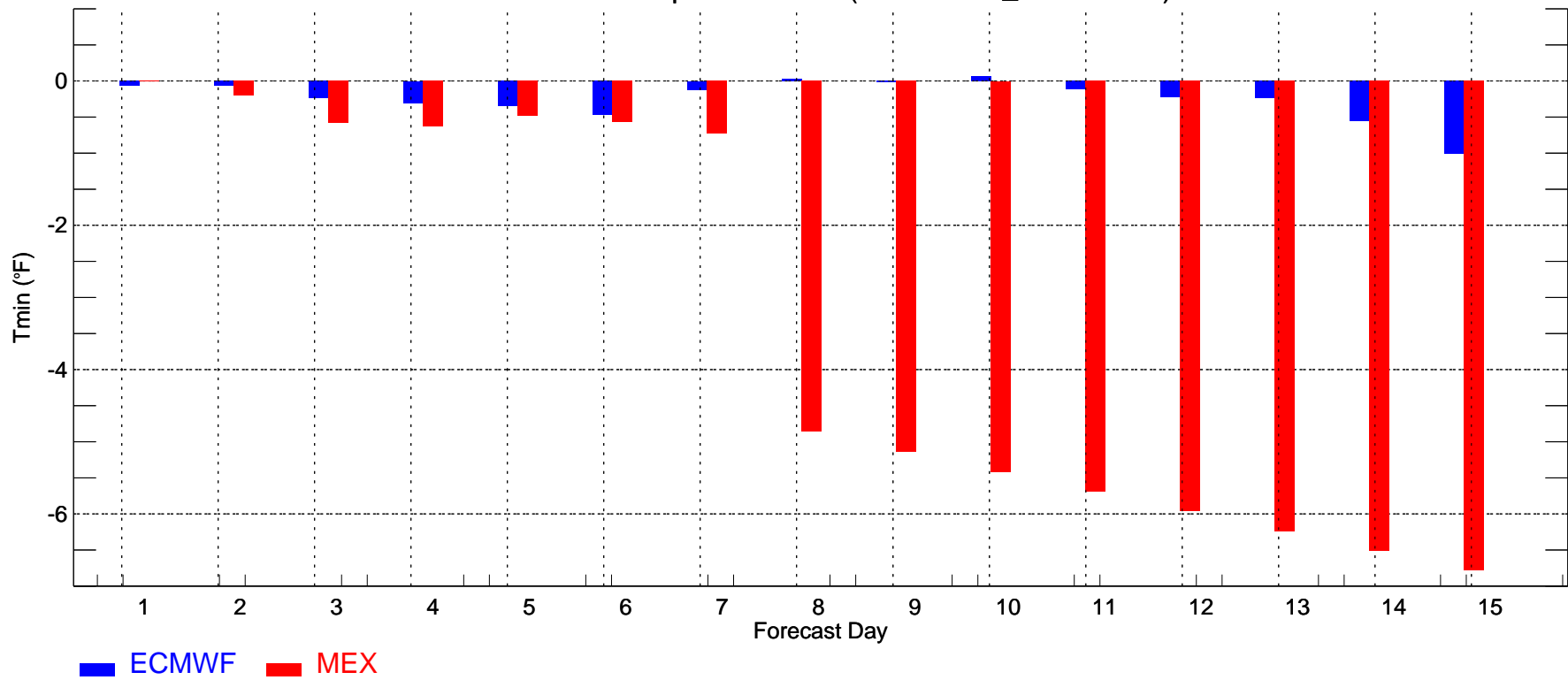
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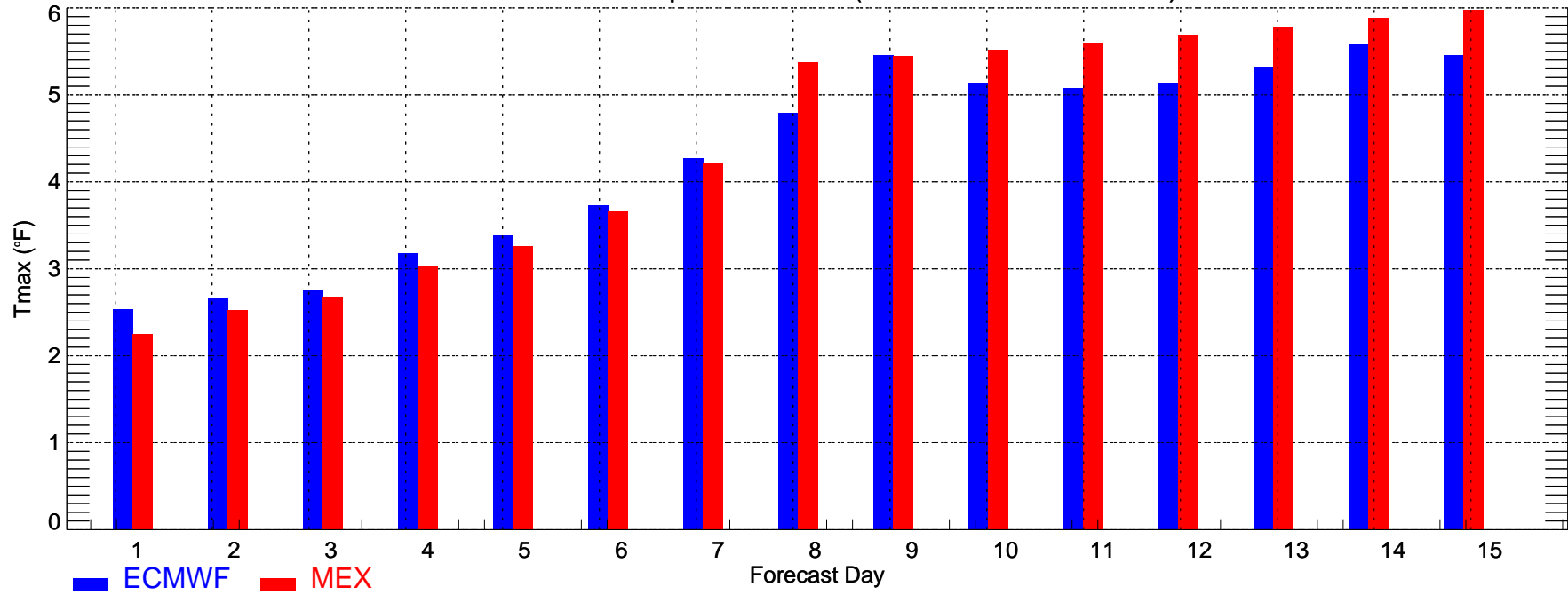
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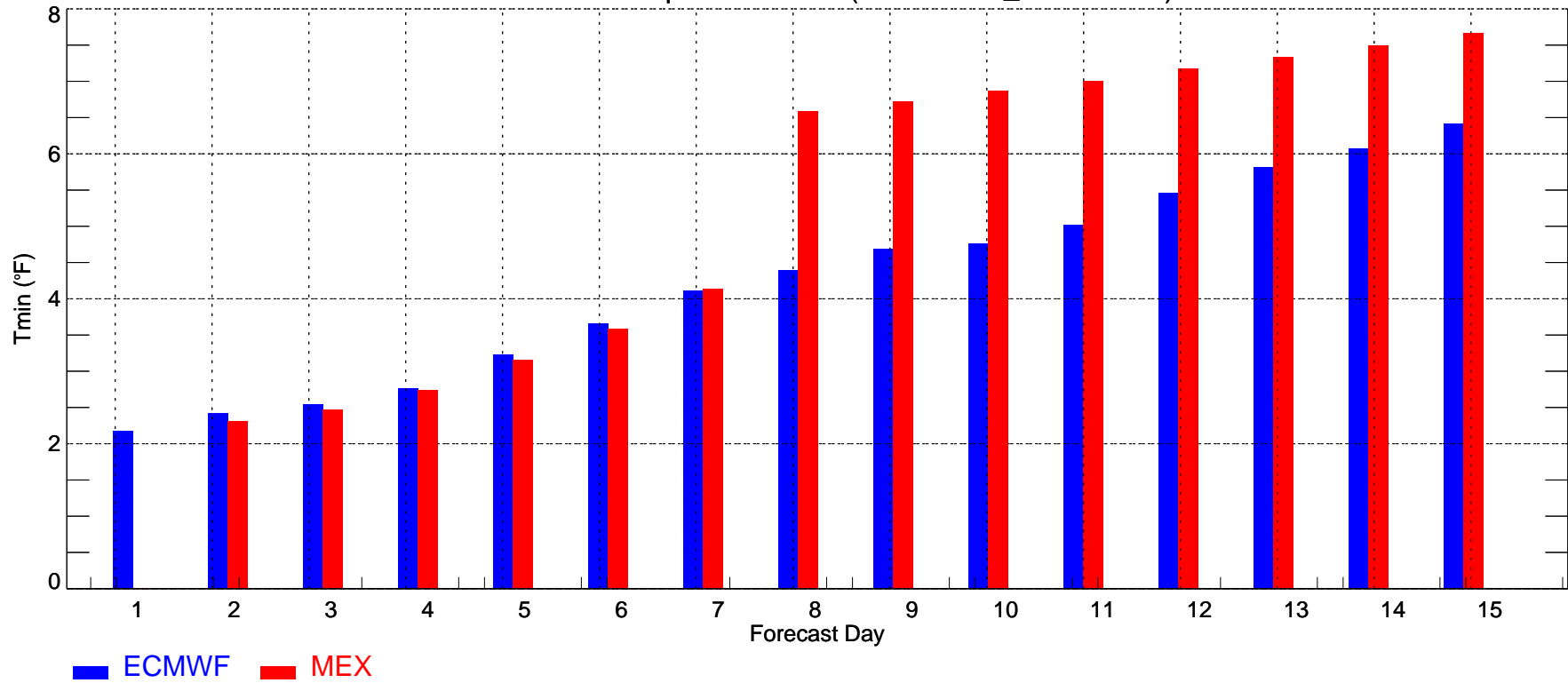
USSE: Min Temperature Bias (2009-05-01\_2009-05-31)



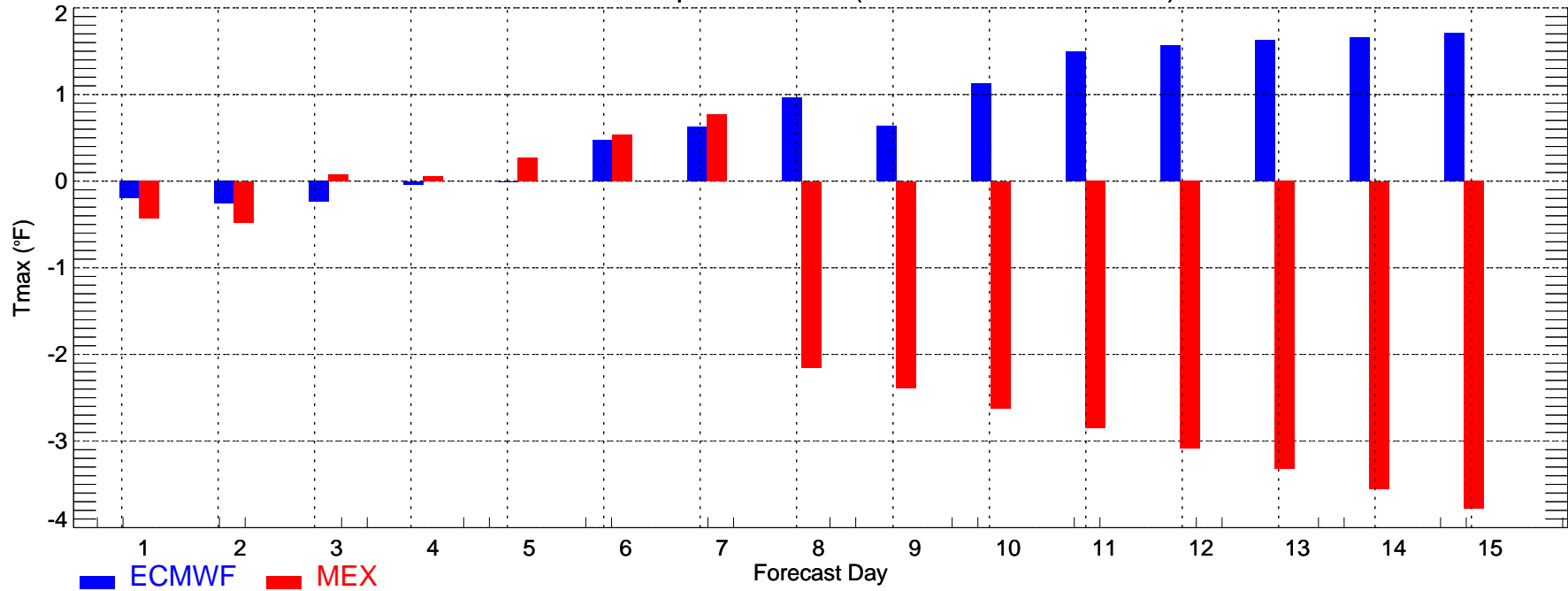
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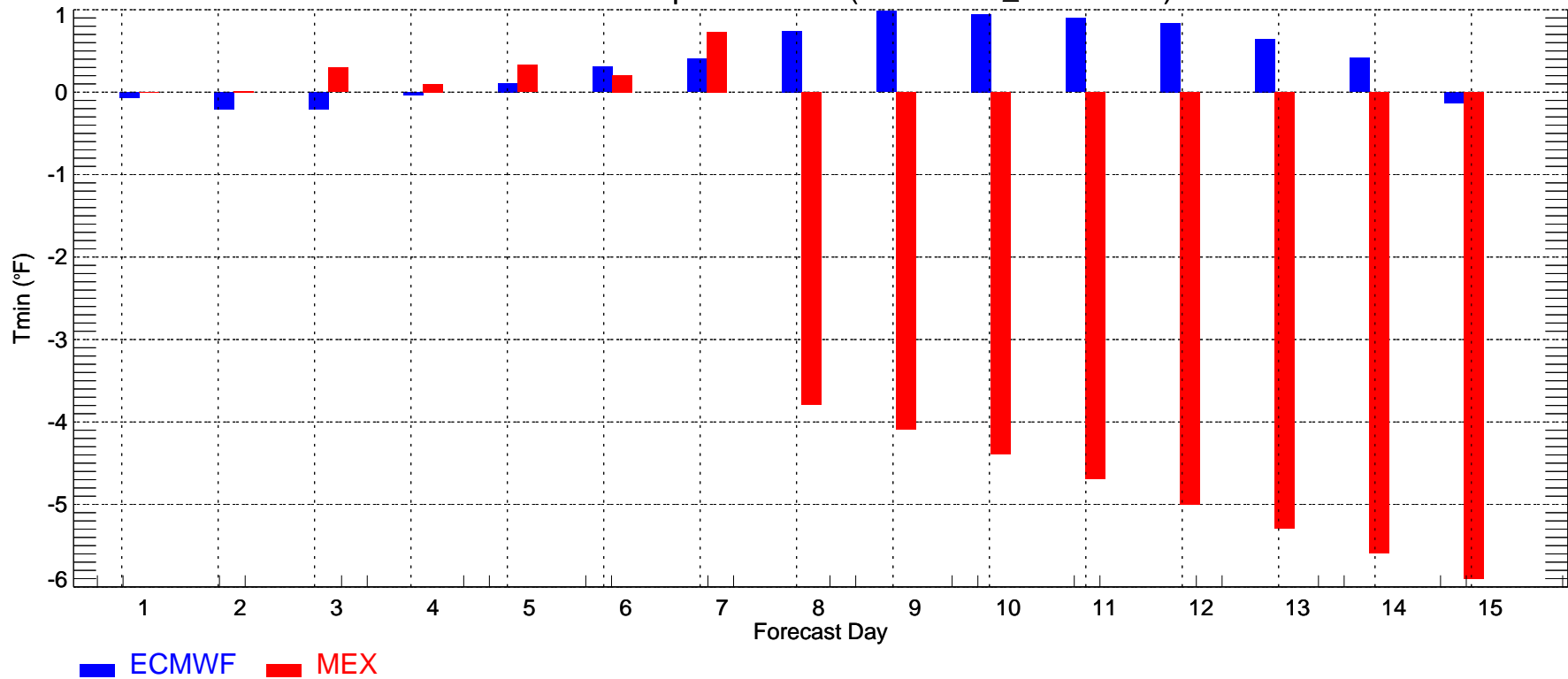
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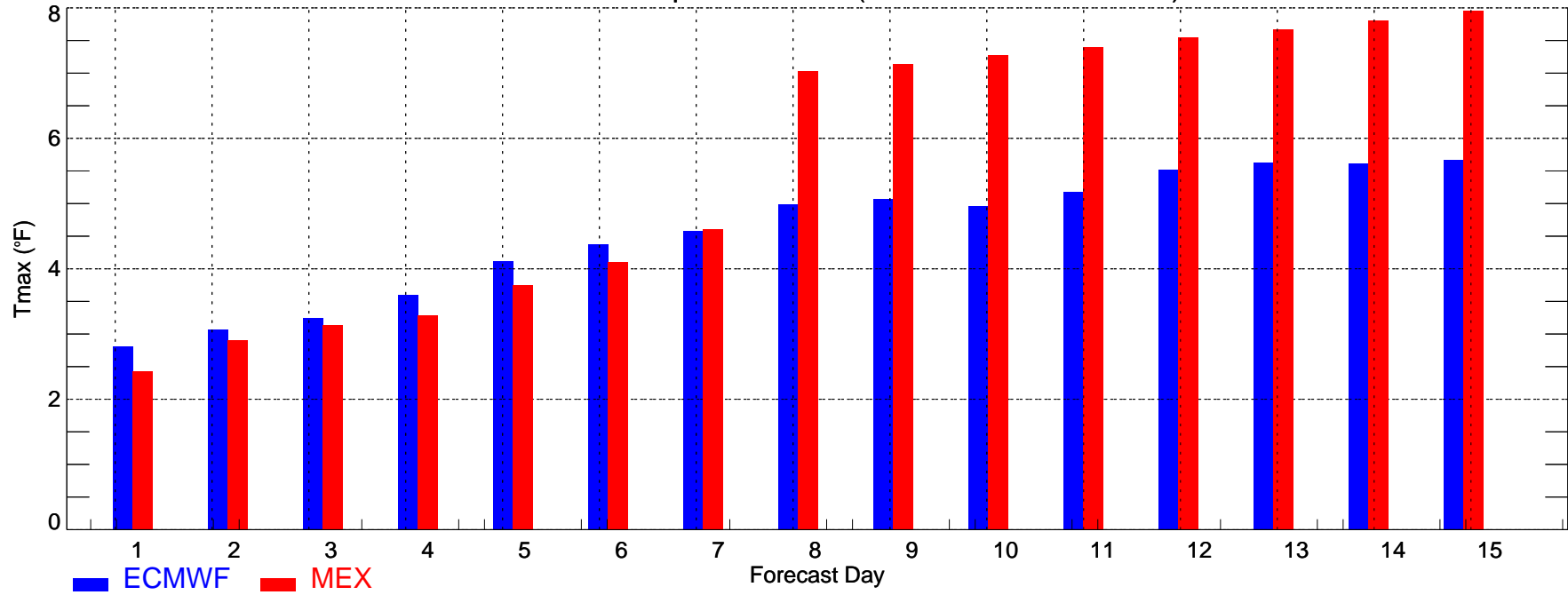
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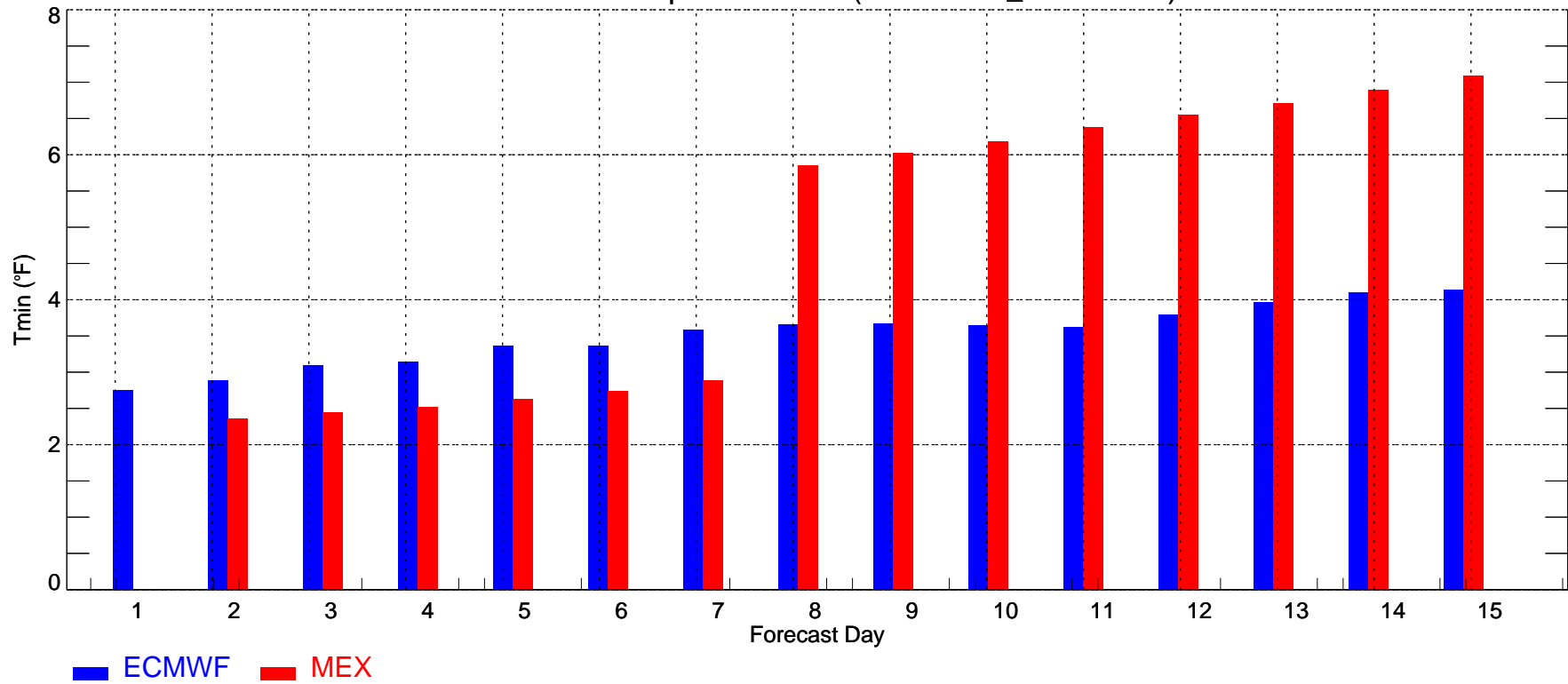
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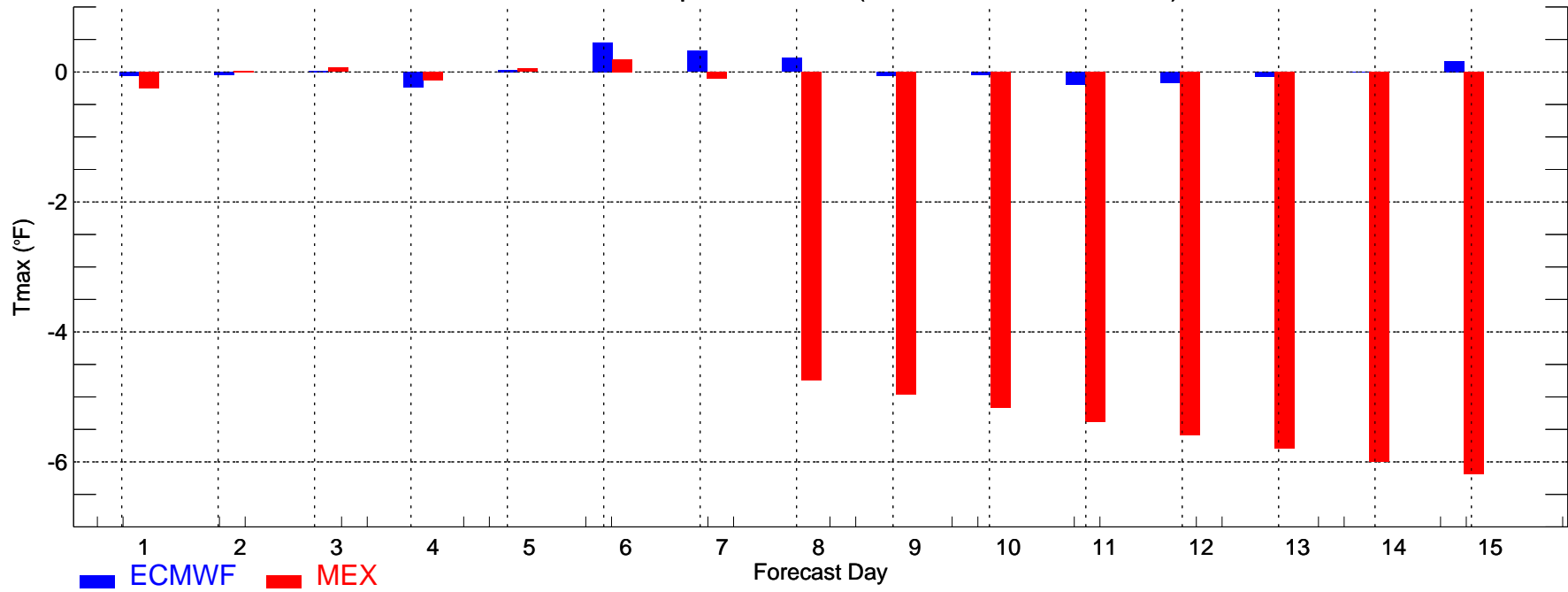
USSW: Max Temperature MAE (2009-05-01\_2009-05-31)



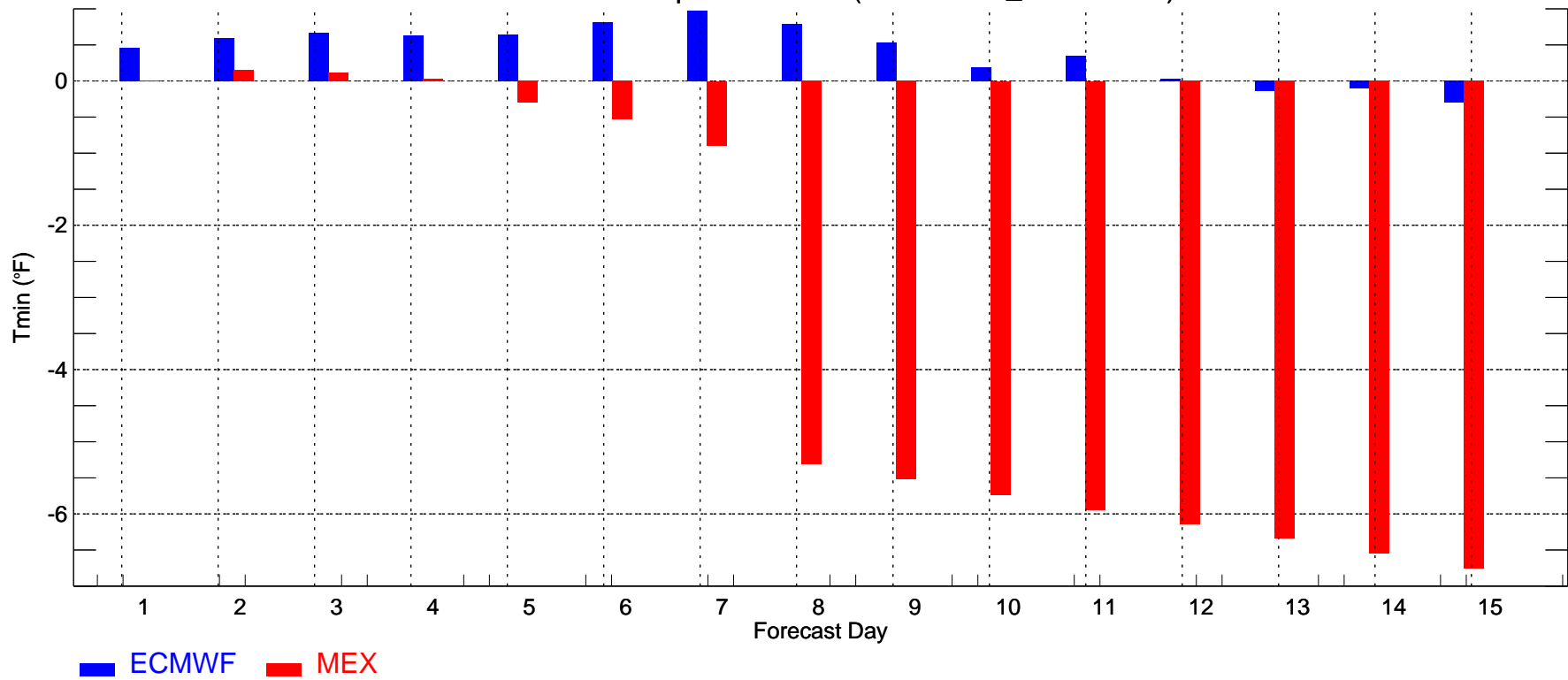
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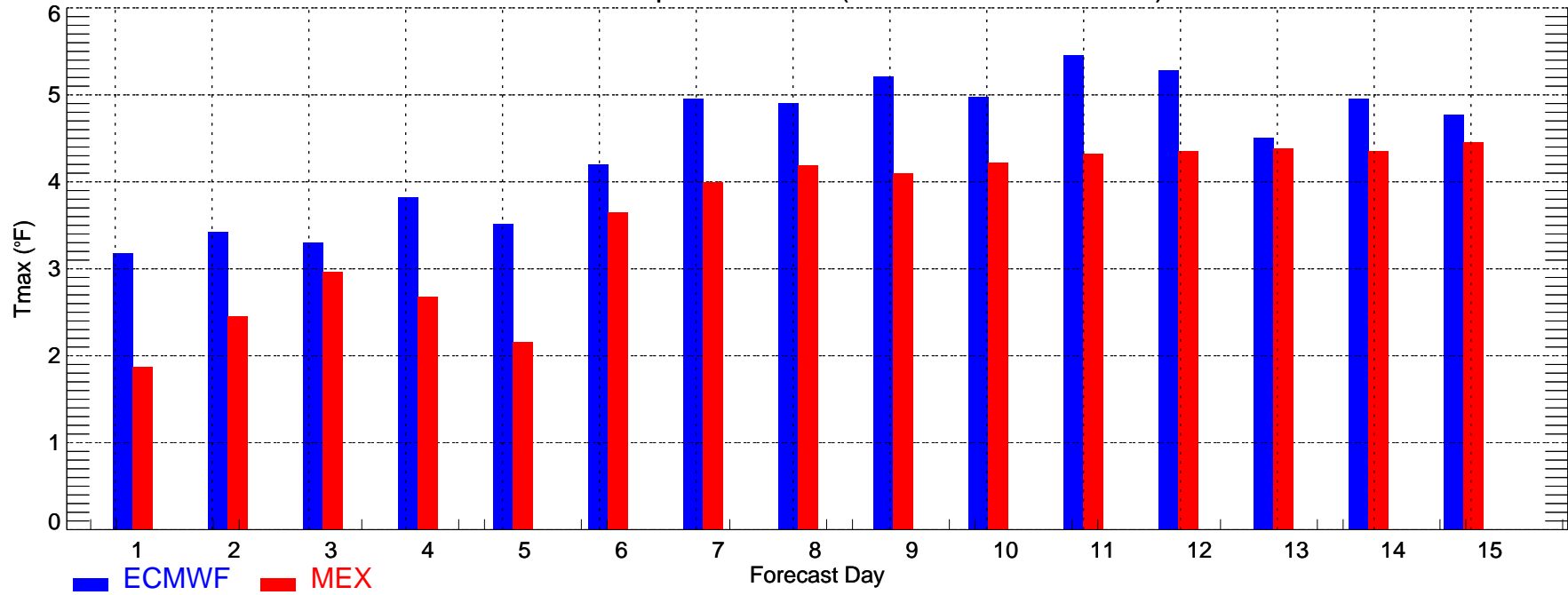
USSW: Max Temperature Bias (2009-05-01\_2009-05-31)



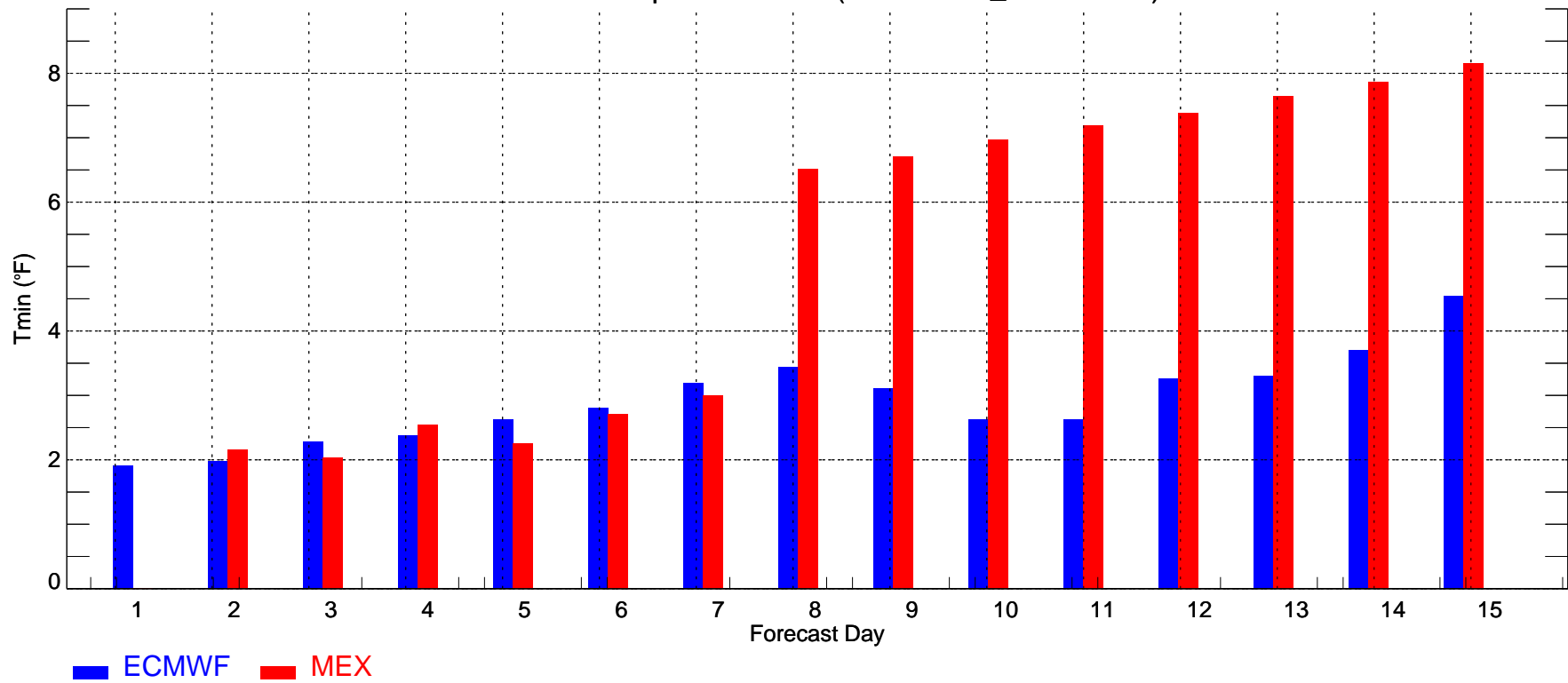
USSW: Min Temperature Bias (2009-05-01\_2009-05-31)



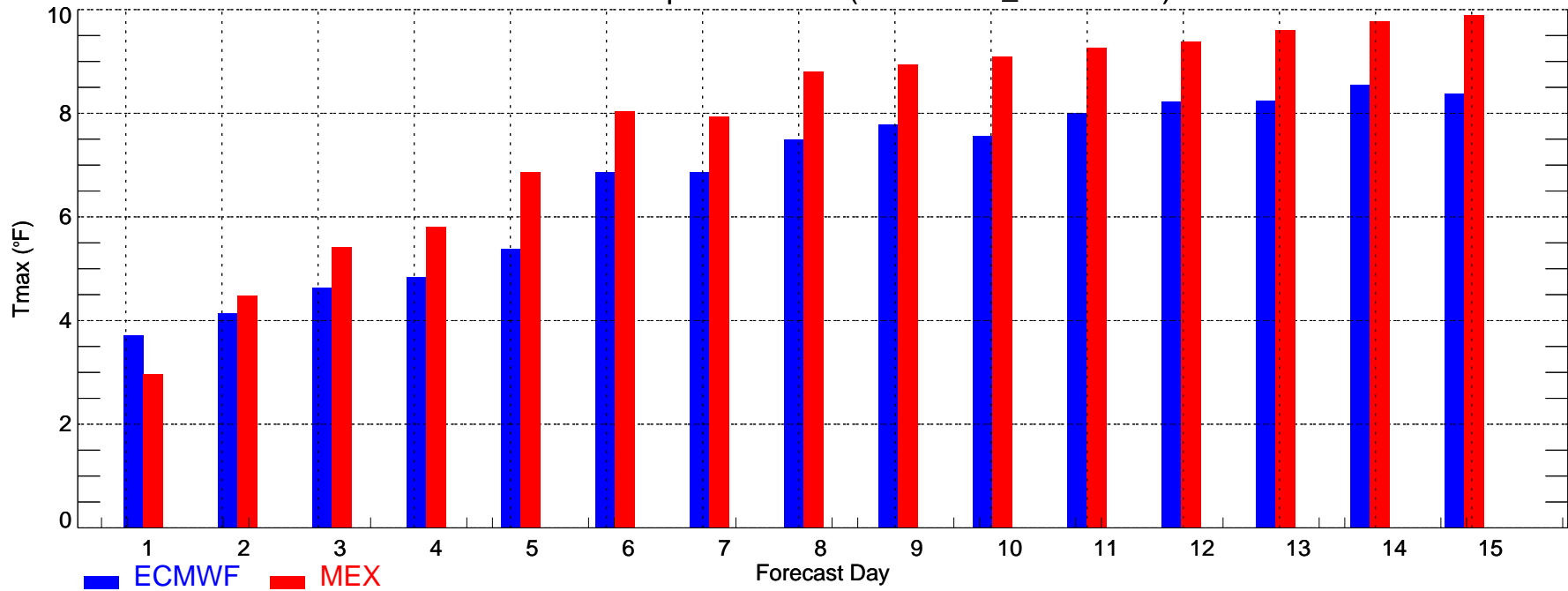
ATL: Max Temperature MAE (2009-05-01\_2009-05-31)



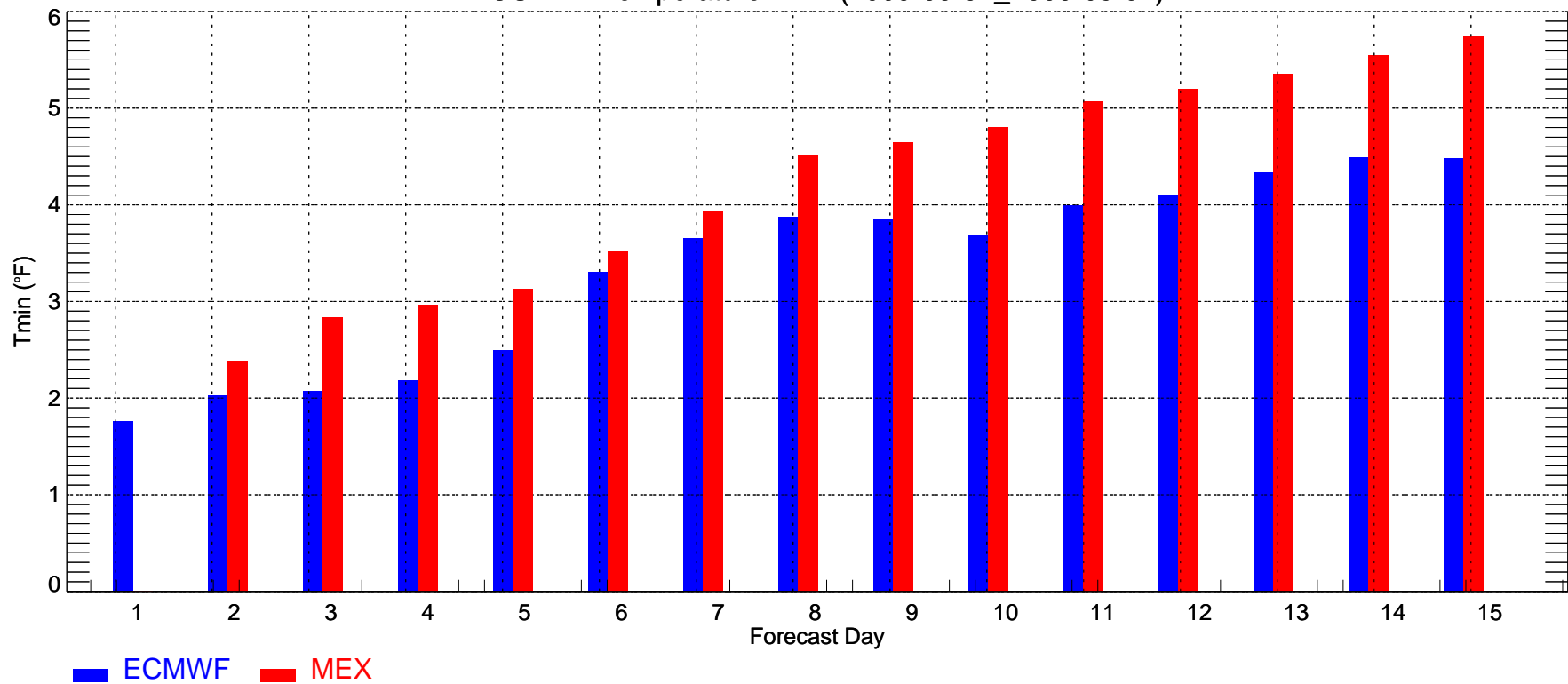
ATL: Min Temperature MAE (2009-05-01\_2009-05-31)



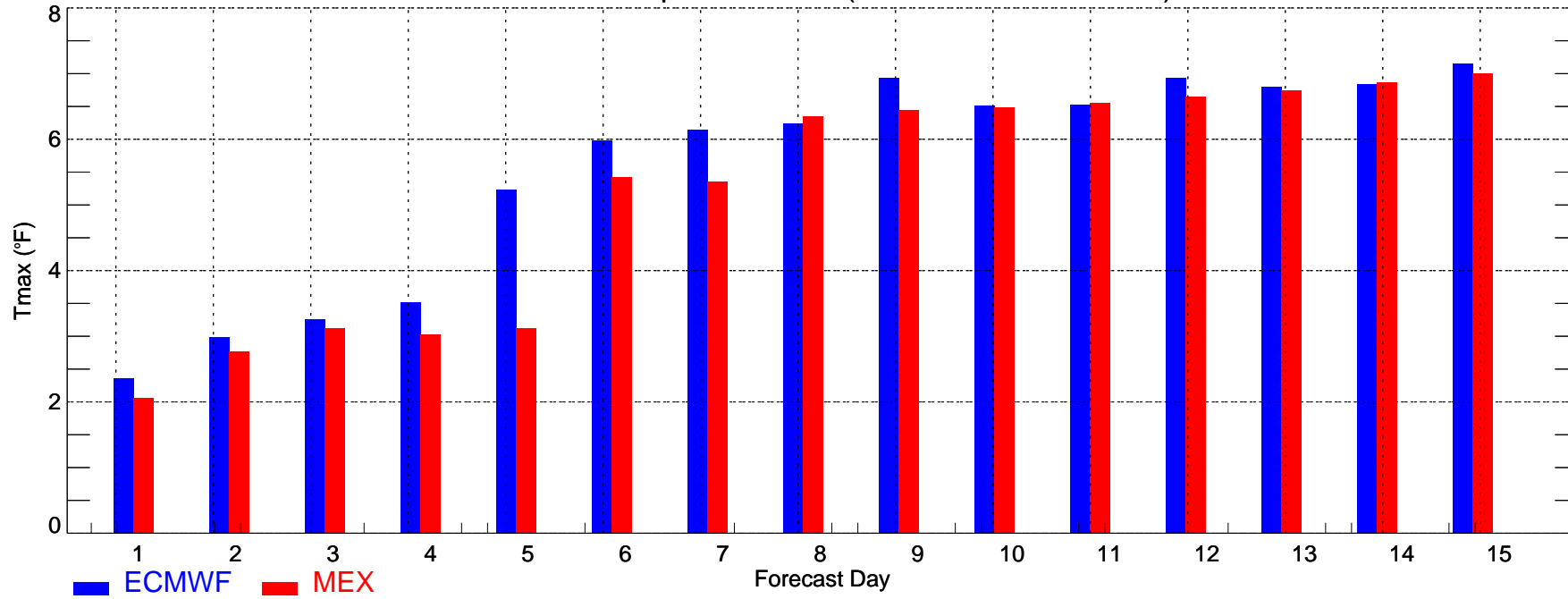
BOS: Max Temperature MAE (2009-05-01\_2009-05-31)



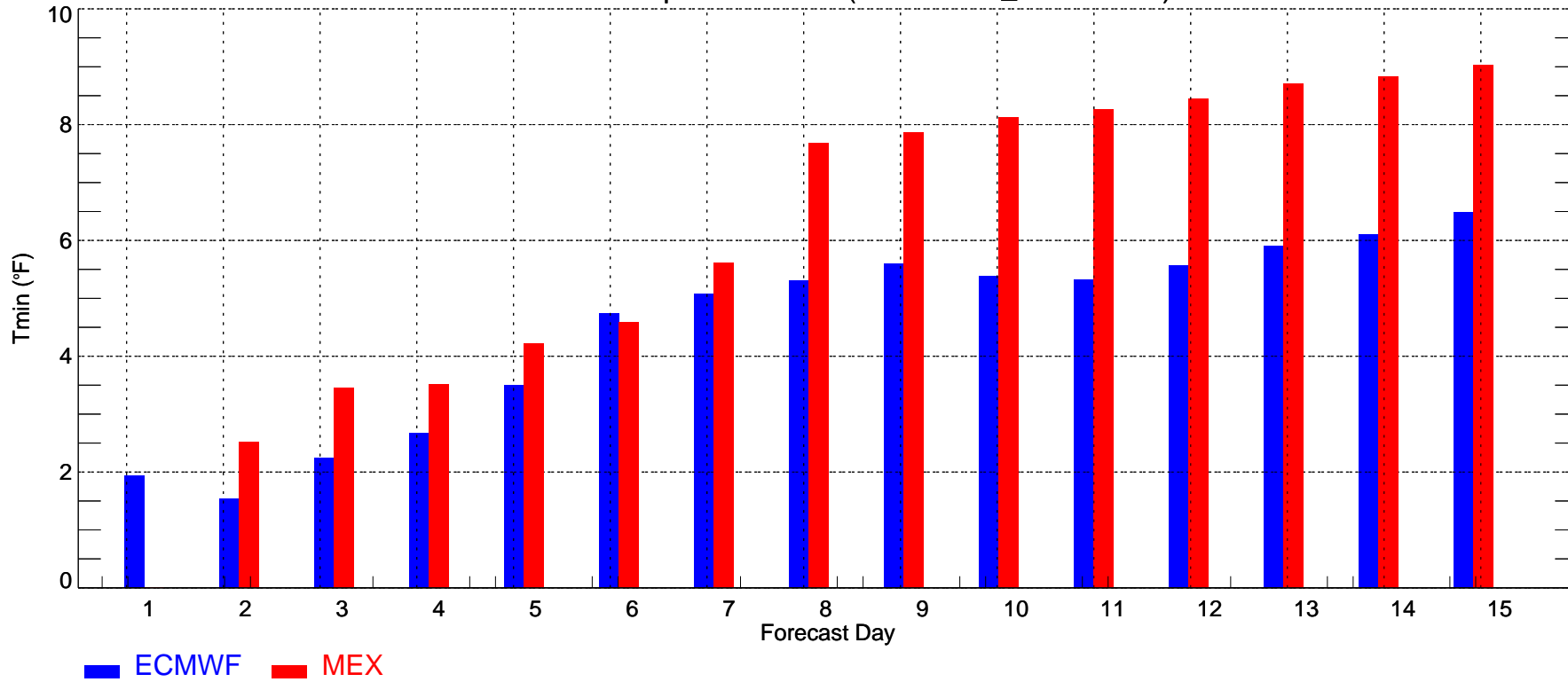
BOS: Min Temperature MAE (2009-05-01\_2009-05-31)



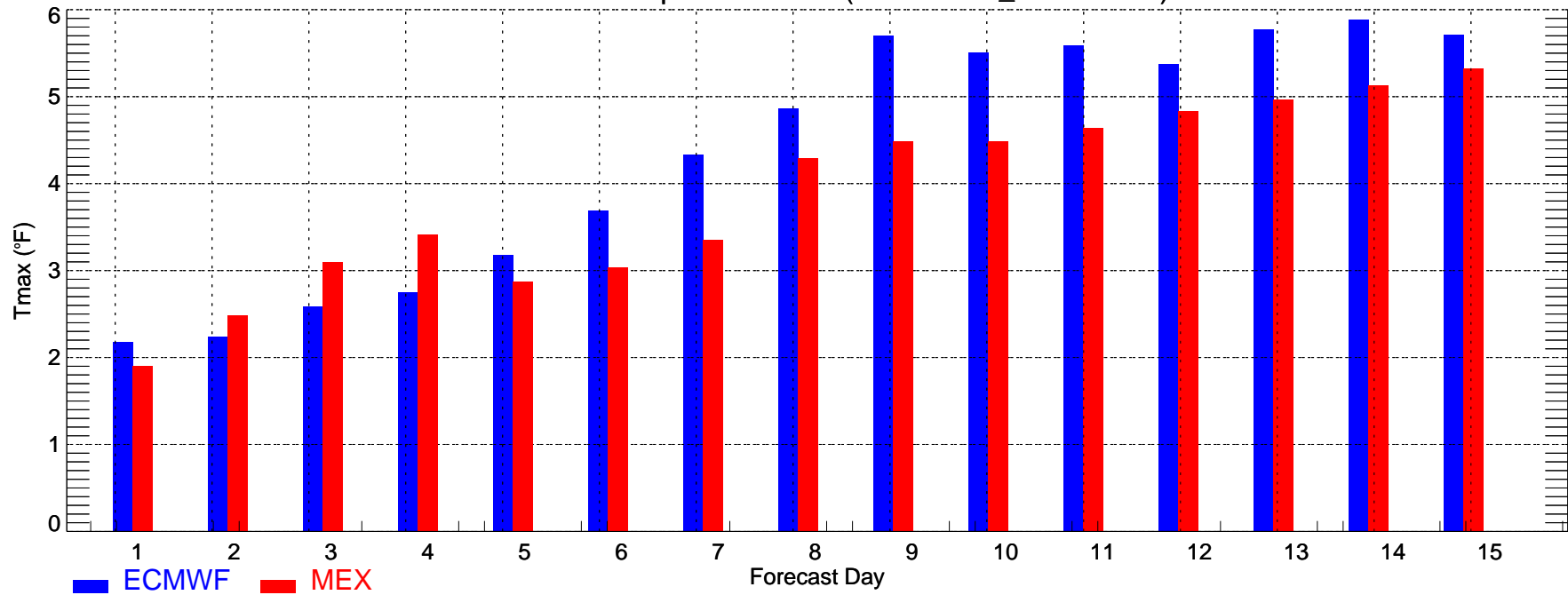
BWI: Max Temperature MAE (2009-05-01\_2009-05-31)



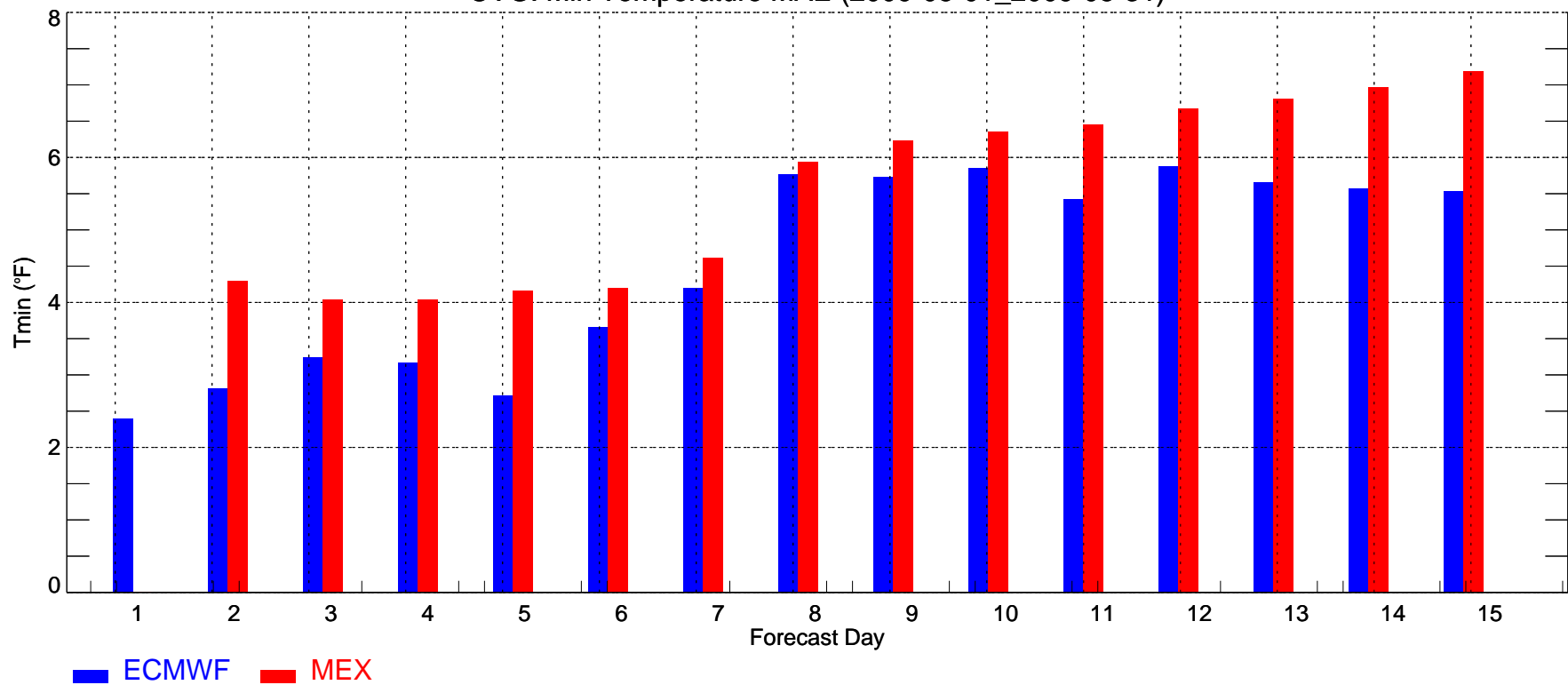
BWI: Min Temperature MAE (2009-05-01\_2009-05-31)



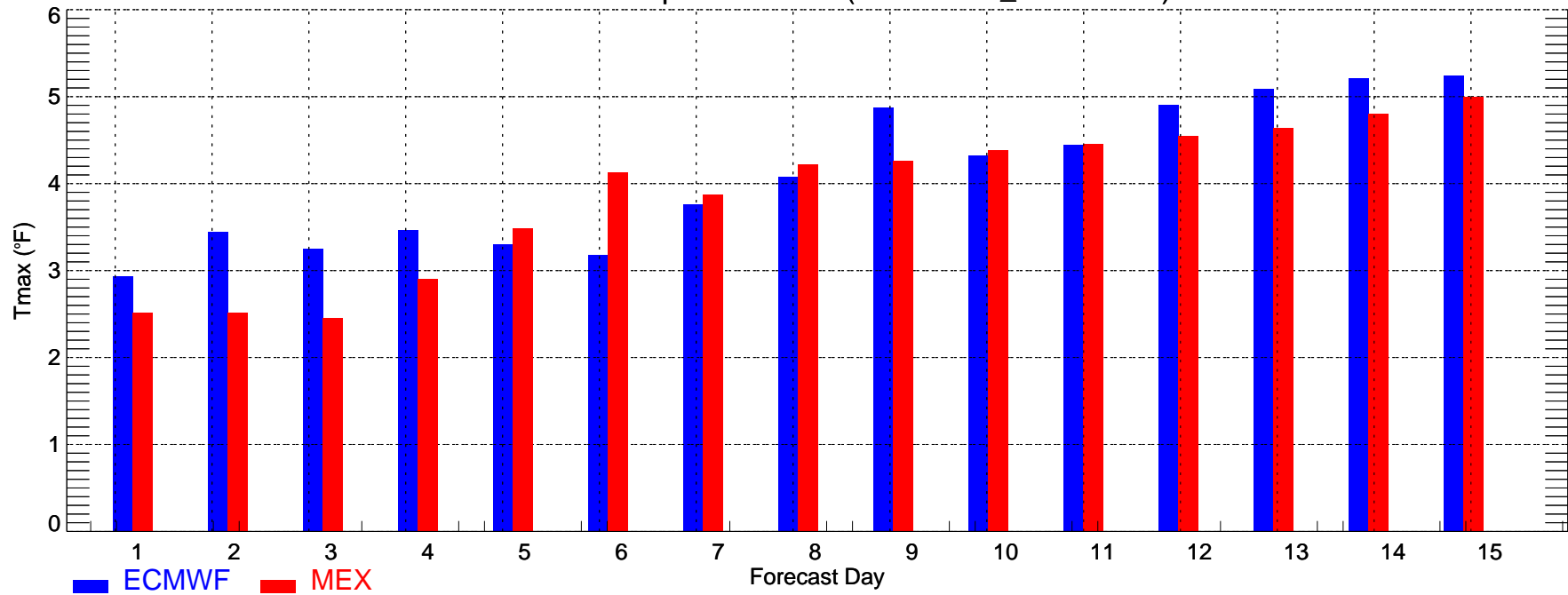
CVG: Max Temperature MAE (2009-05-01\_2009-05-31)



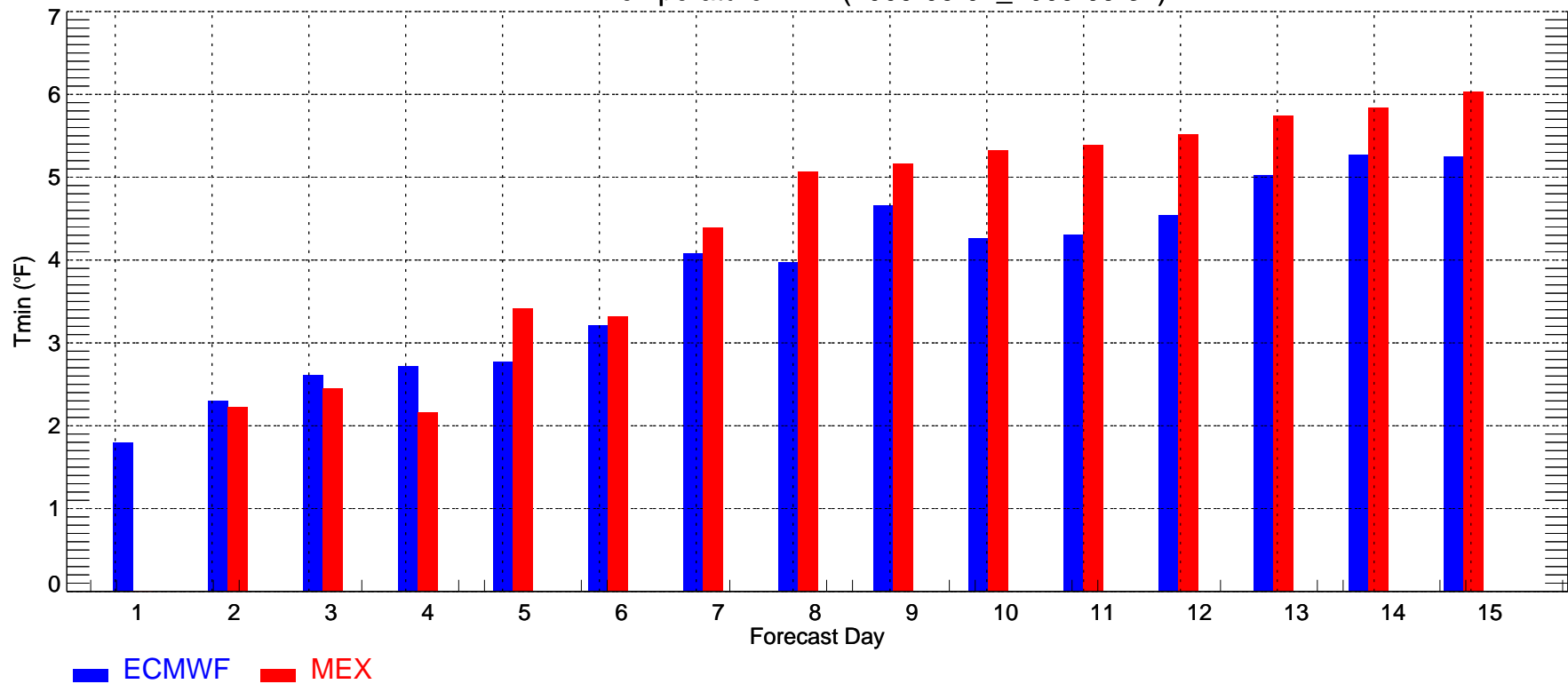
CVG: Min Temperature MAE (2009-05-01\_2009-05-31)



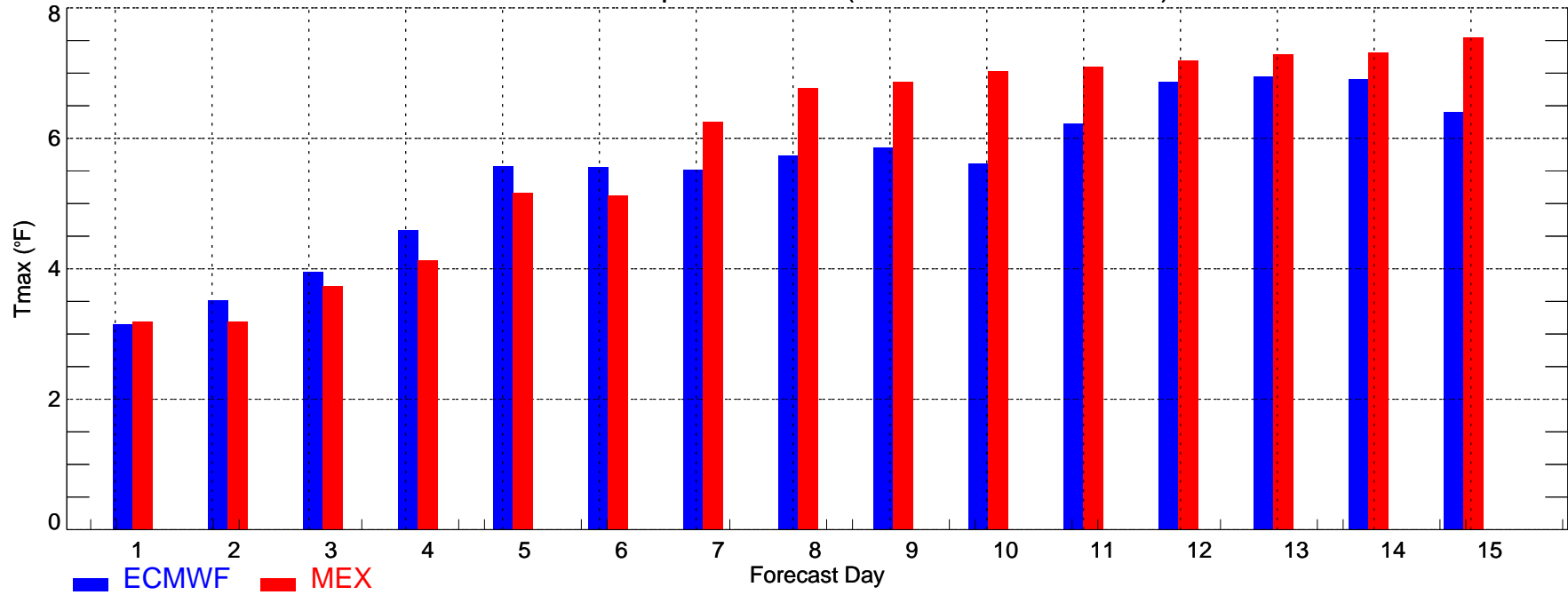
DFW: Max Temperature MAE (2009-05-01\_2009-05-31)



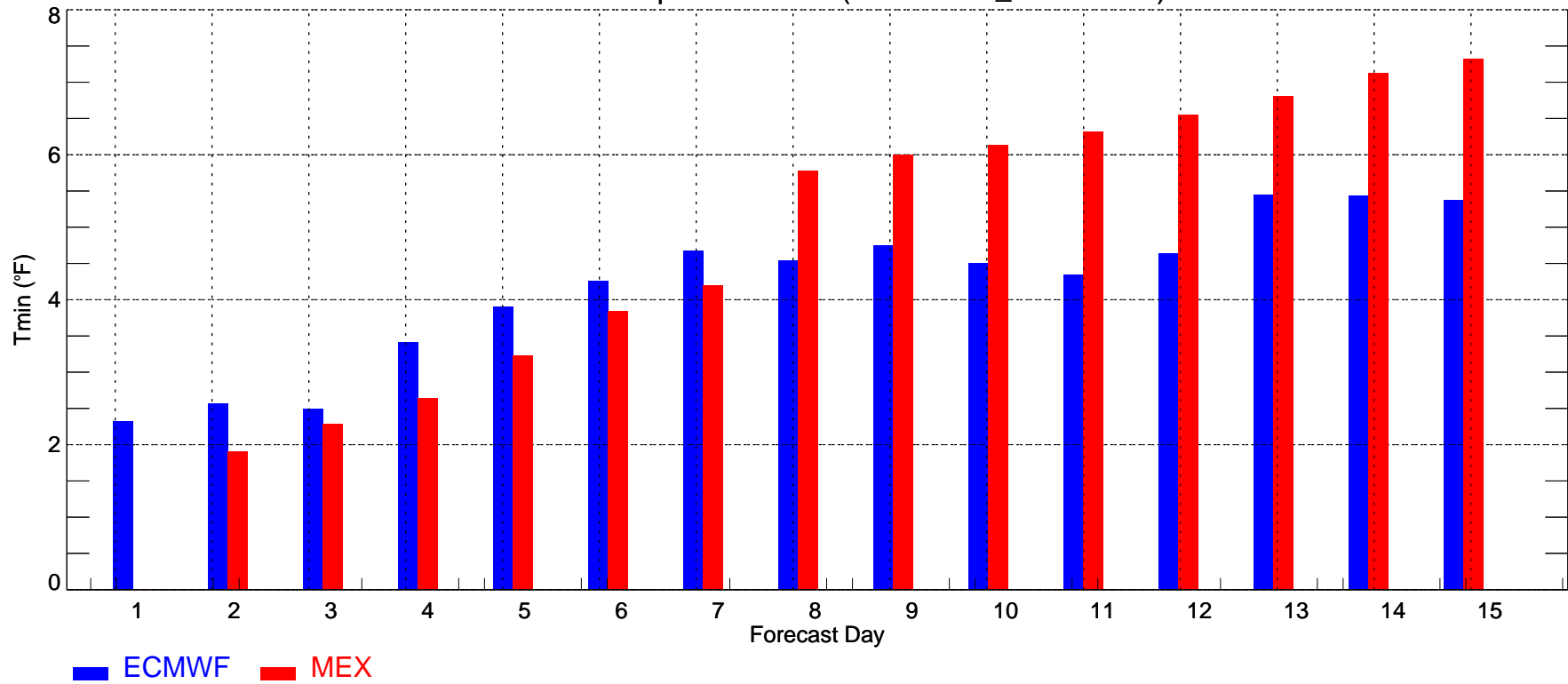
DFW: Min Temperature MAE (2009-05-01\_2009-05-31)



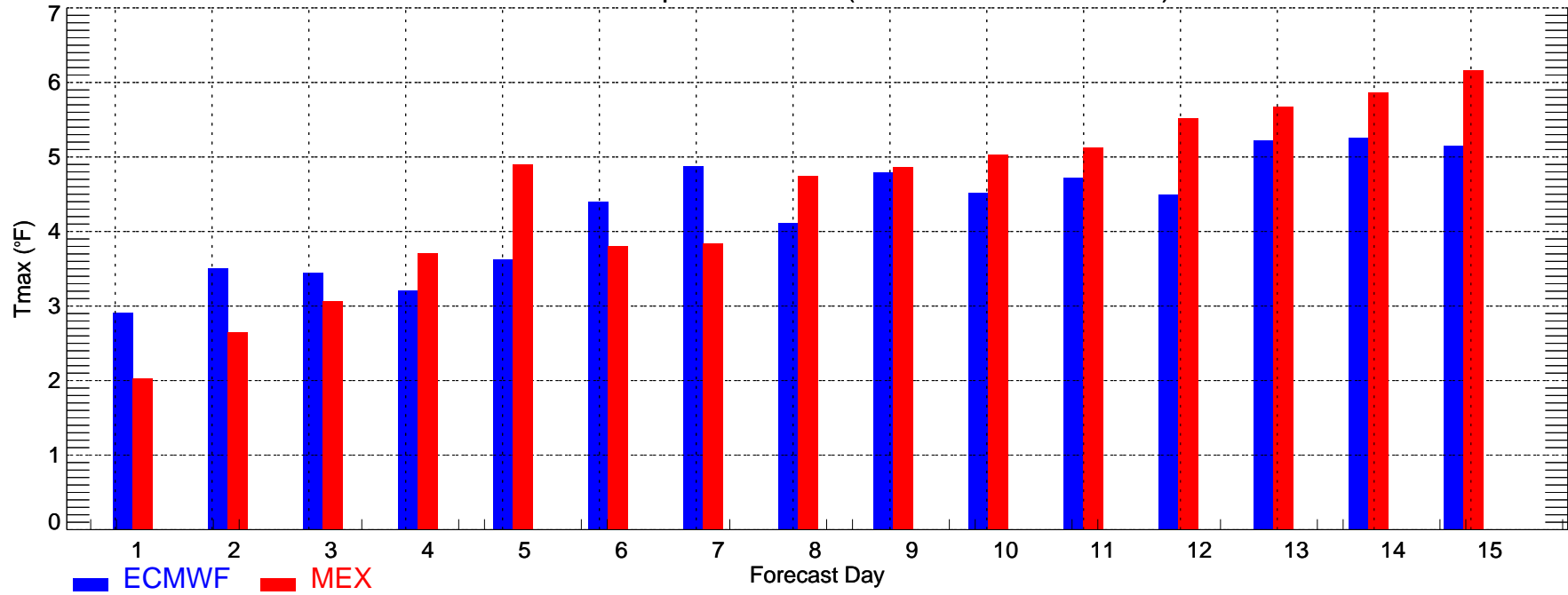
DSM: Max Temperature MAE (2009-05-01\_2009-05-31)



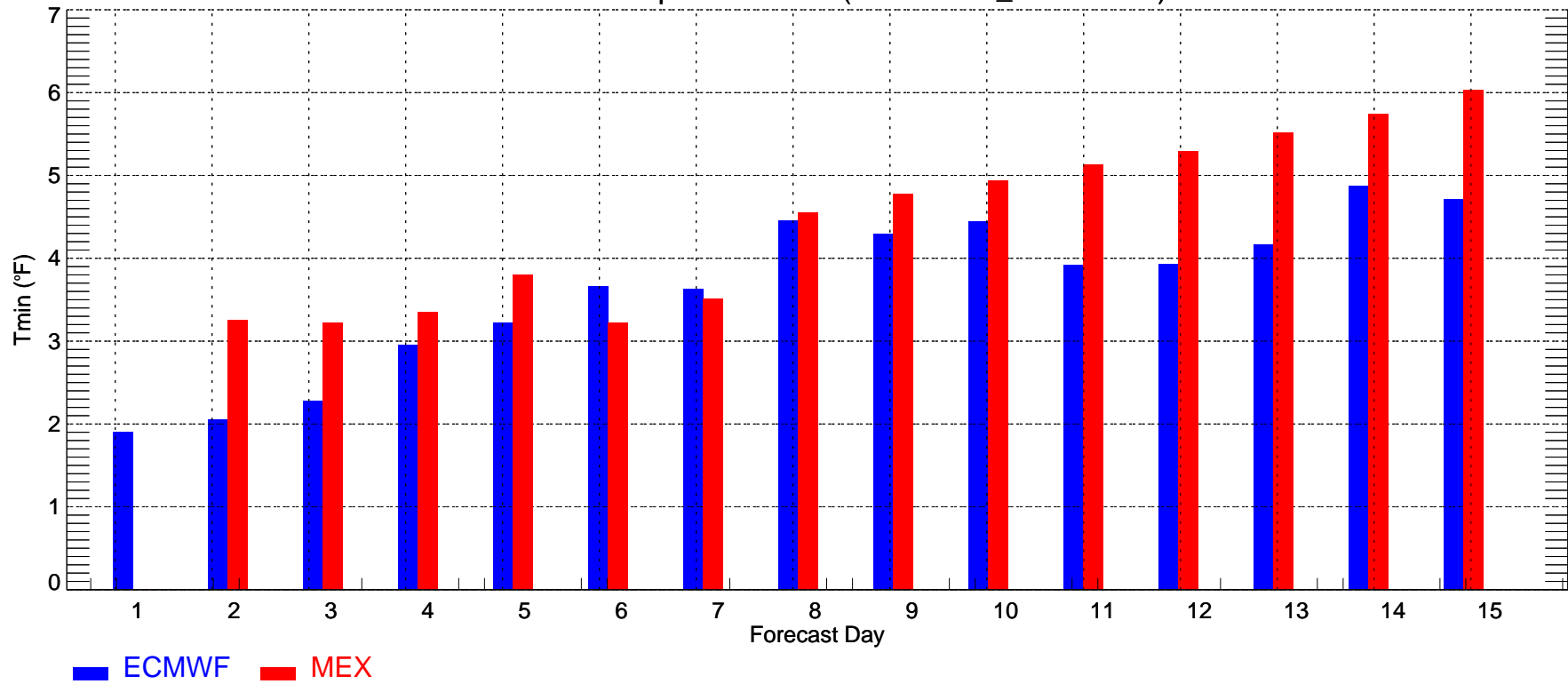
DSM: Min Temperature MAE (2009-05-01\_2009-05-31)



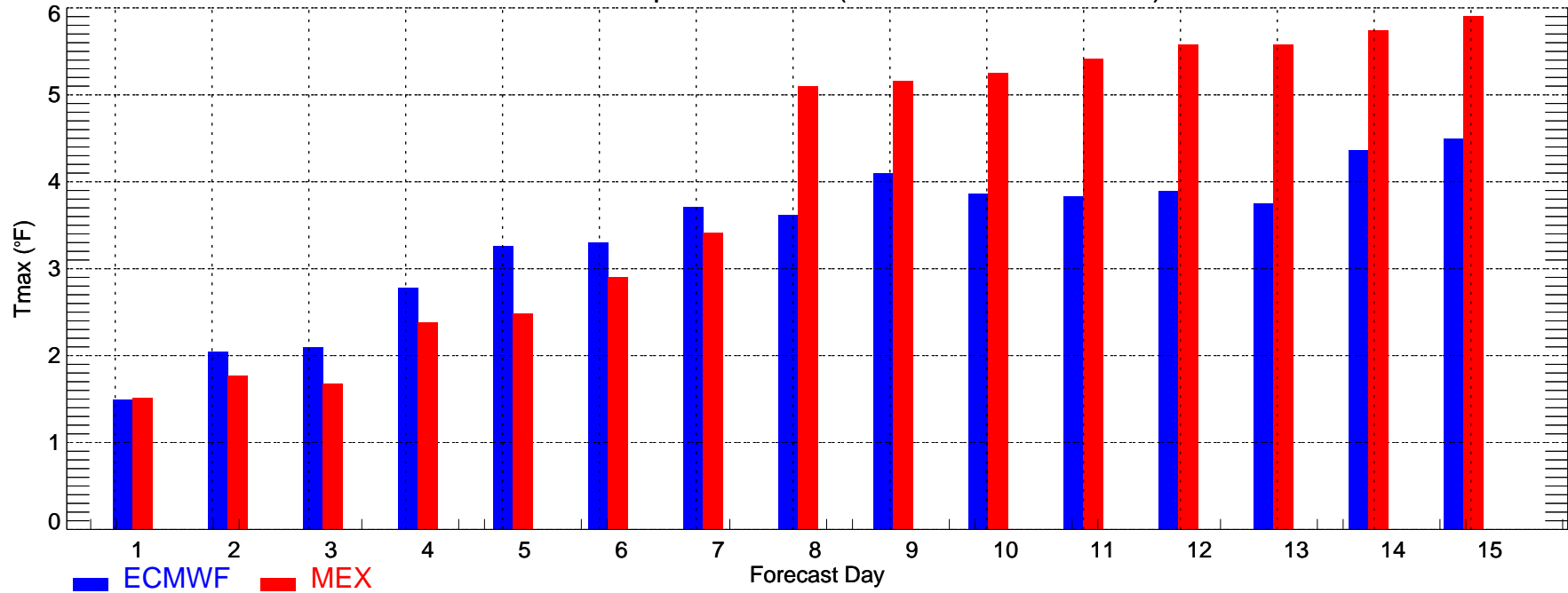
DTW: Max Temperature MAE (2009-05-01\_2009-05-31)



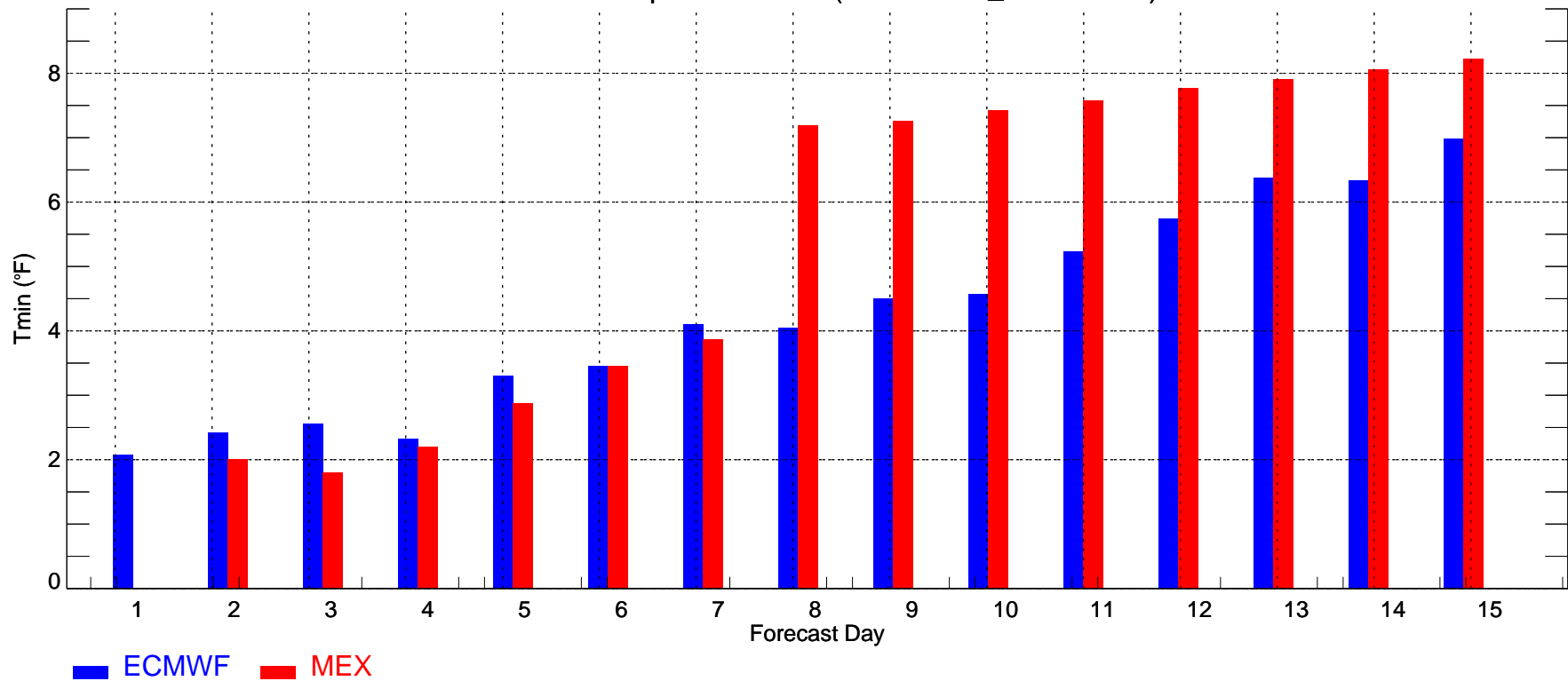
DTW: Min Temperature MAE (2009-05-01\_2009-05-31)



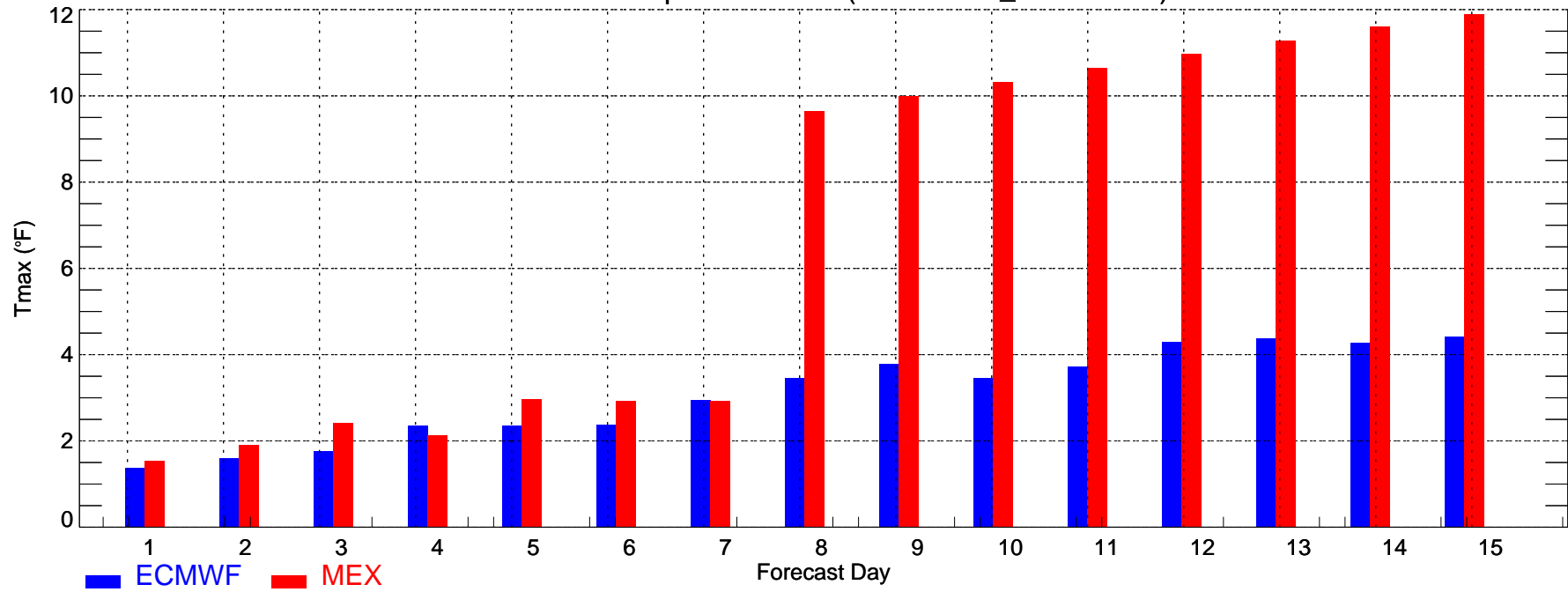
IAH: Max Temperature MAE (2009-05-01\_2009-05-31)



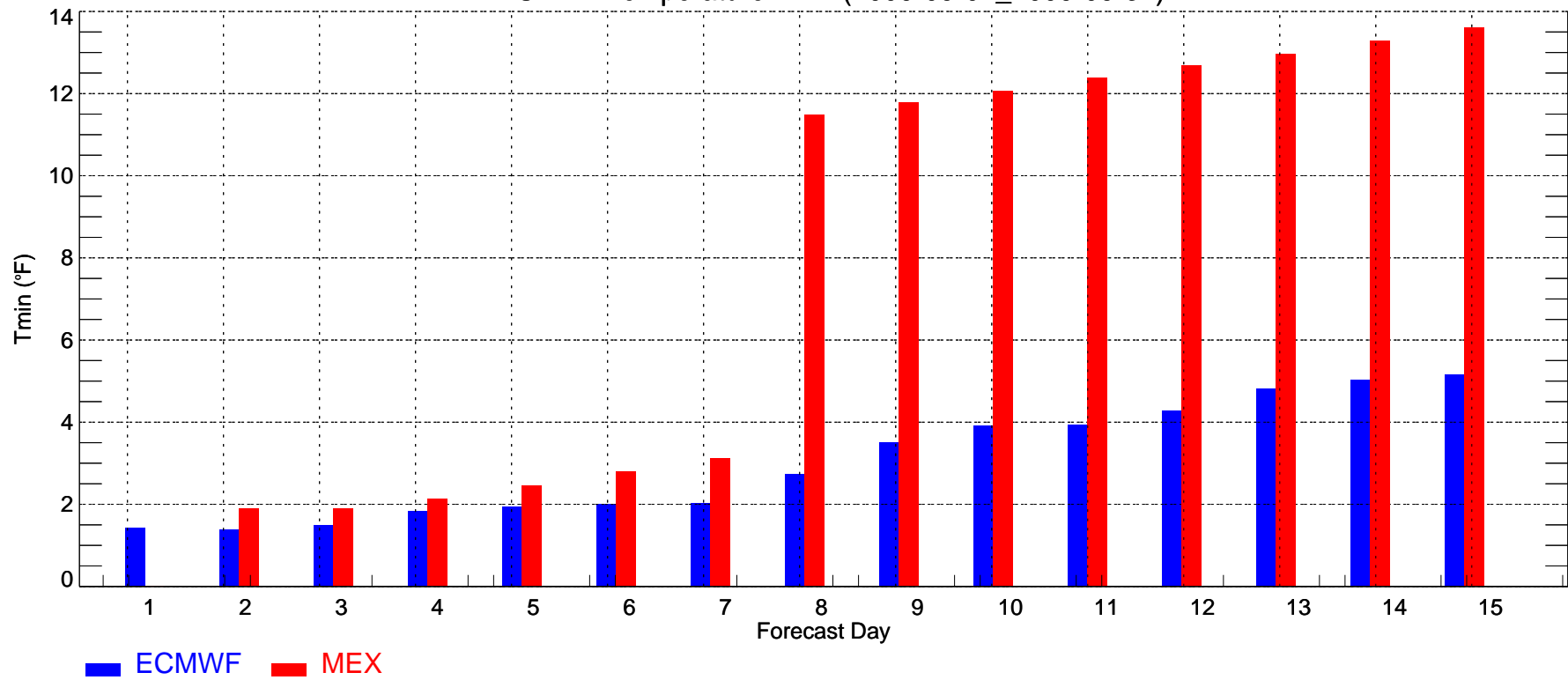
IAH: Min Temperature MAE (2009-05-01\_2009-05-31)



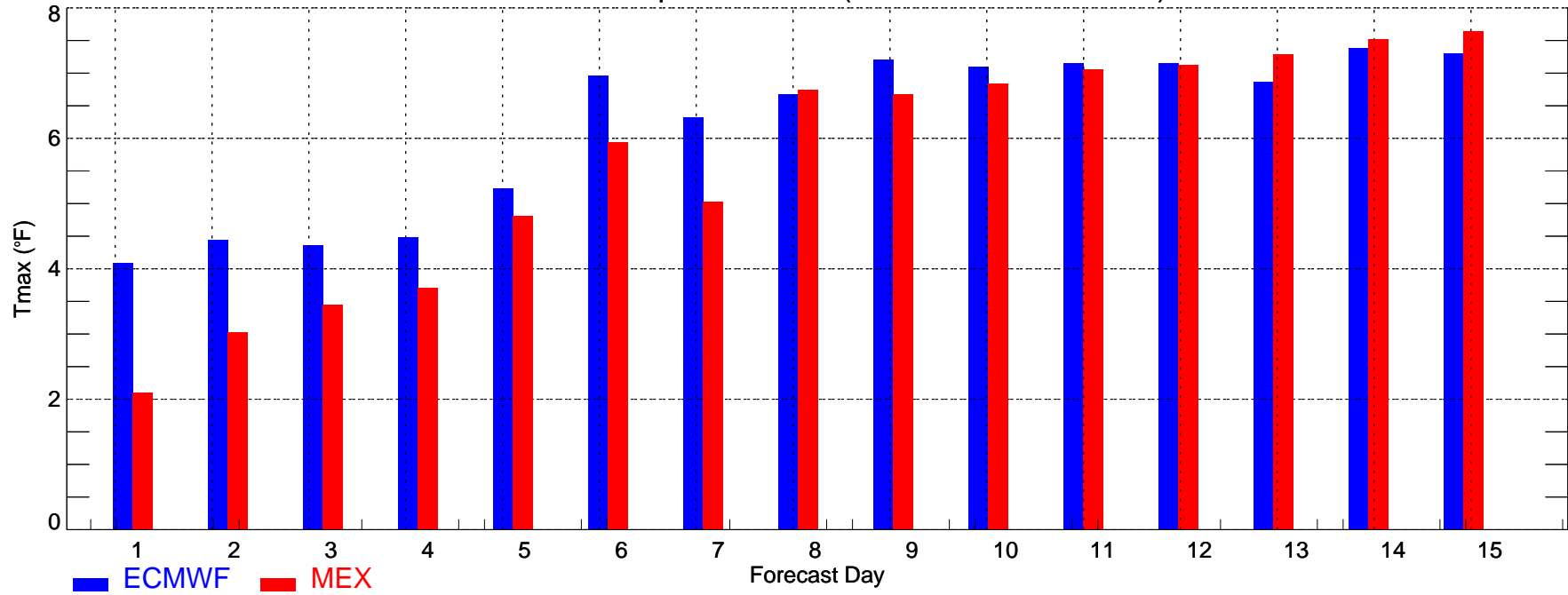
LAS: Max Temperature MAE (2009-05-01\_2009-05-31)



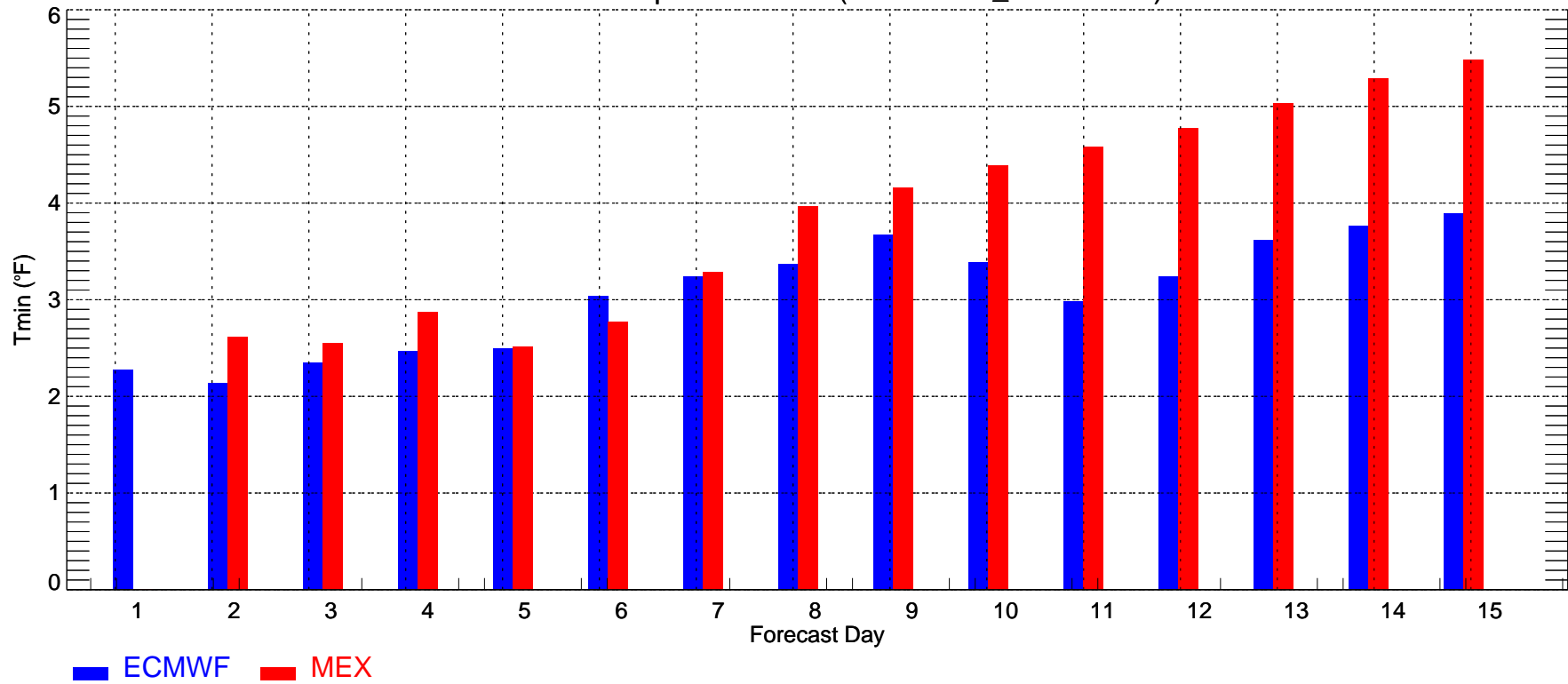
LAS: Min Temperature MAE (2009-05-01\_2009-05-31)



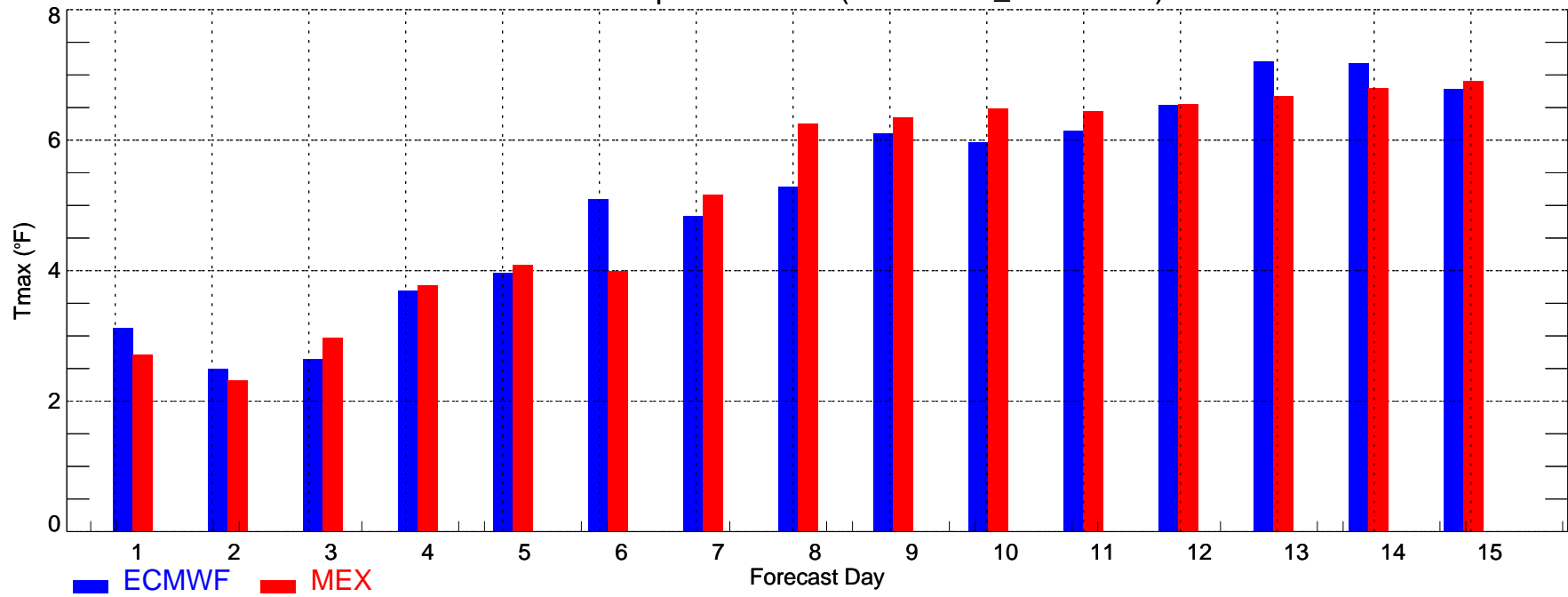
LGA: Max Temperature MAE (2009-05-01\_2009-05-31)



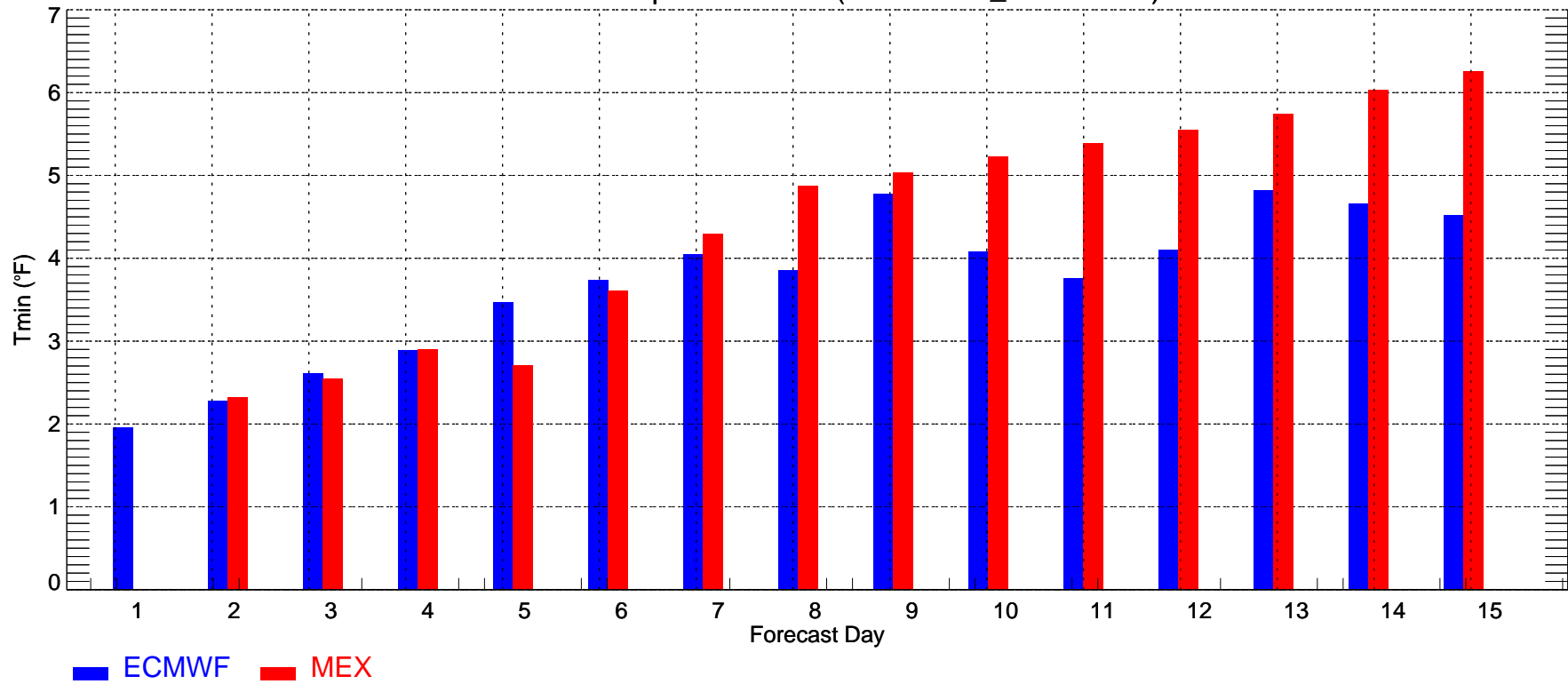
LGA: Min Temperature MAE (2009-05-01\_2009-05-31)



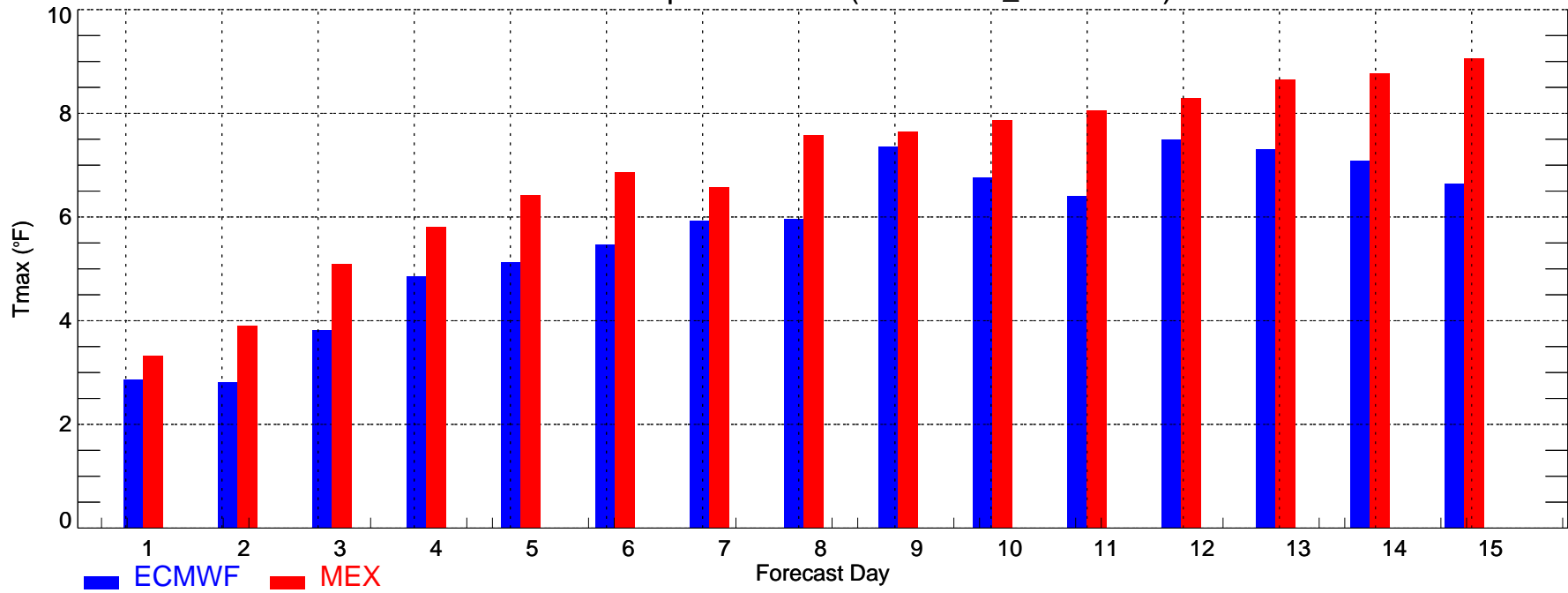
MCI: Max Temperature MAE (2009-05-01\_2009-05-31)



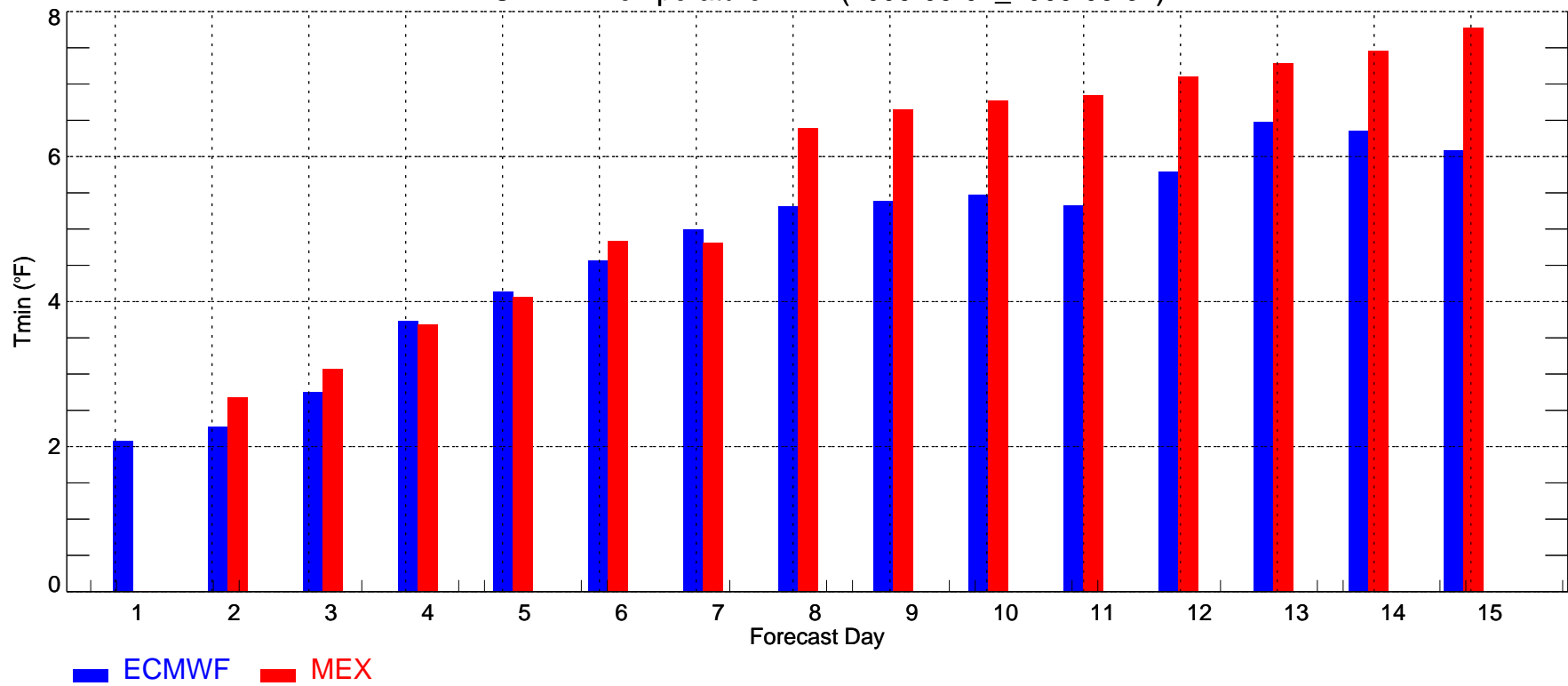
MCI: Min Temperature MAE (2009-05-01\_2009-05-31)



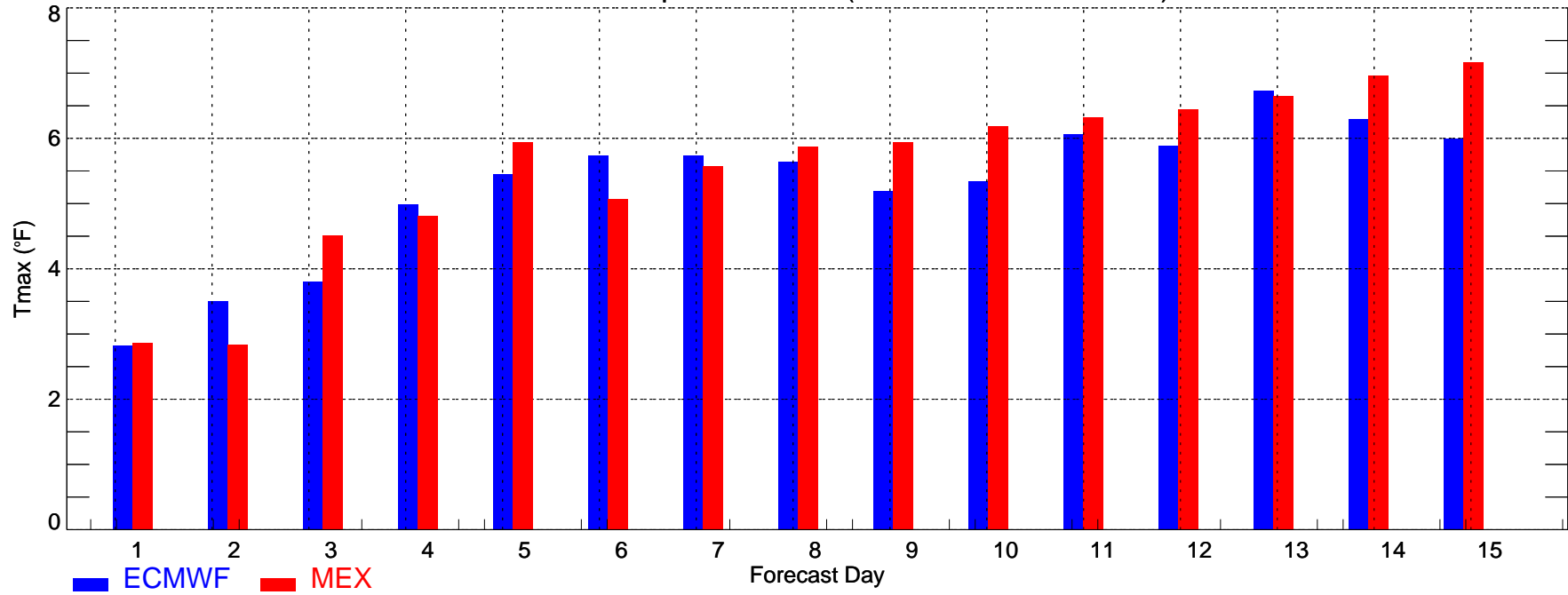
MSP: Max Temperature MAE (2009-05-01\_2009-05-31)



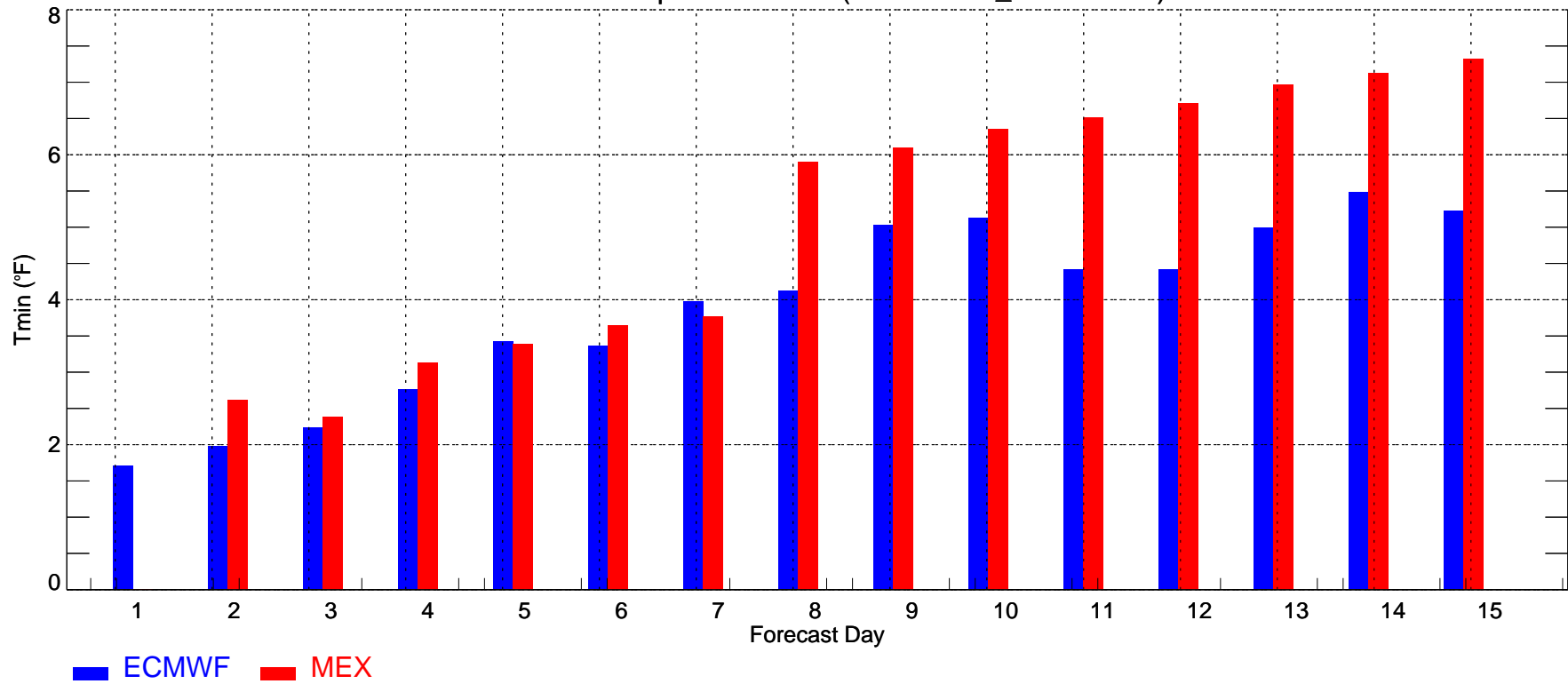
MSP: Min Temperature MAE (2009-05-01\_2009-05-31)



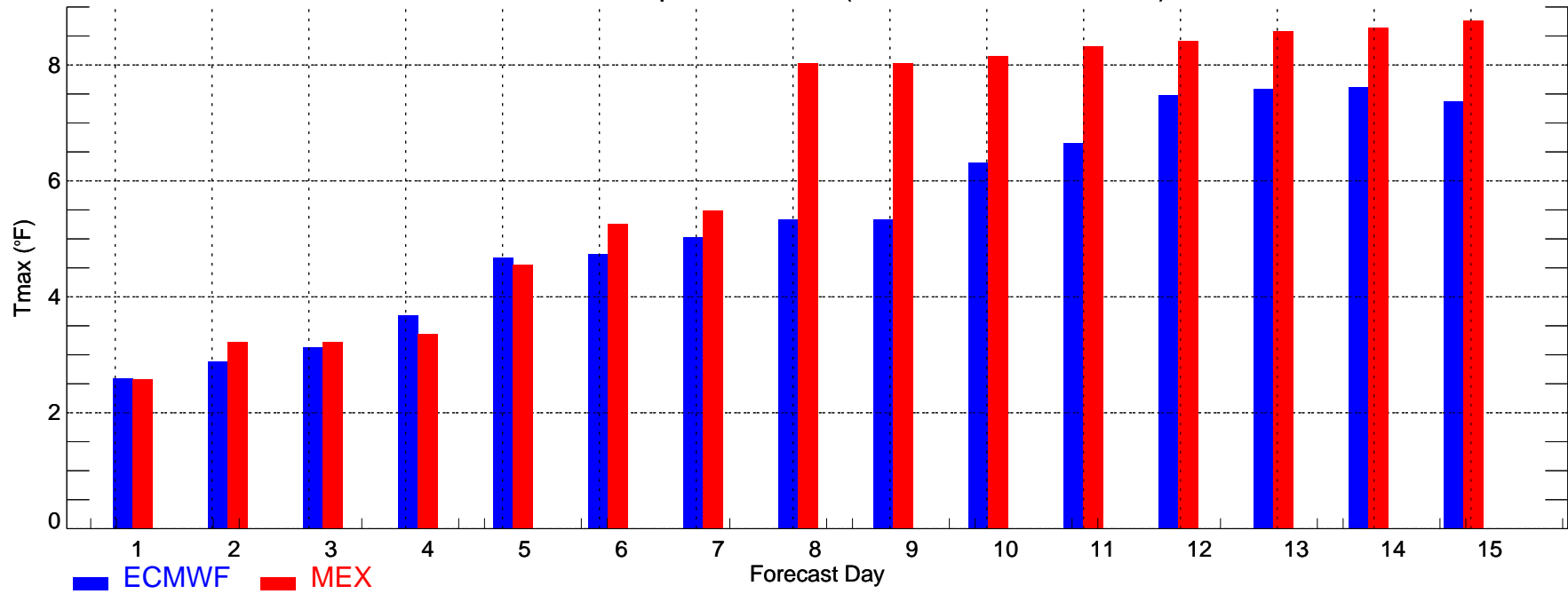
ORD: Max Temperature MAE (2009-05-01\_2009-05-31)



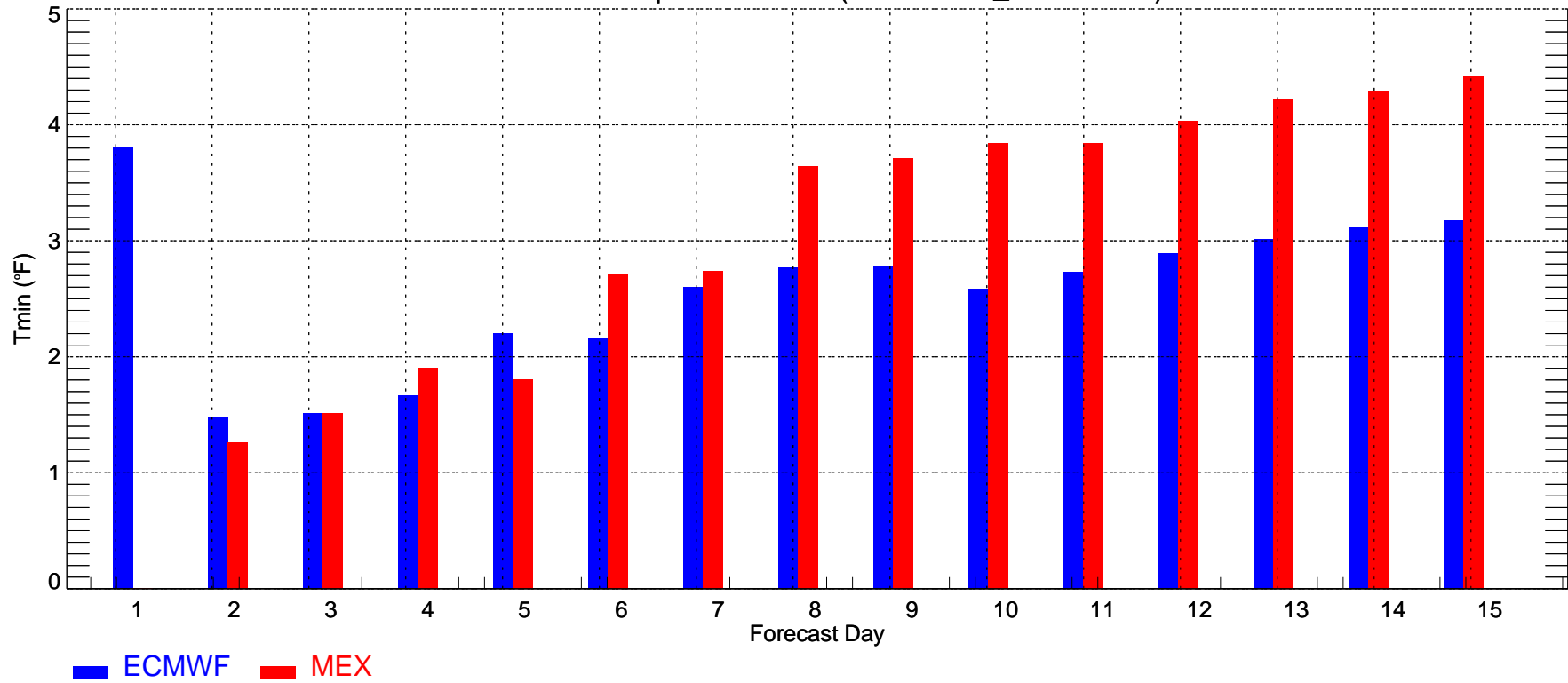
ORD: Min Temperature MAE (2009-05-01\_2009-05-31)



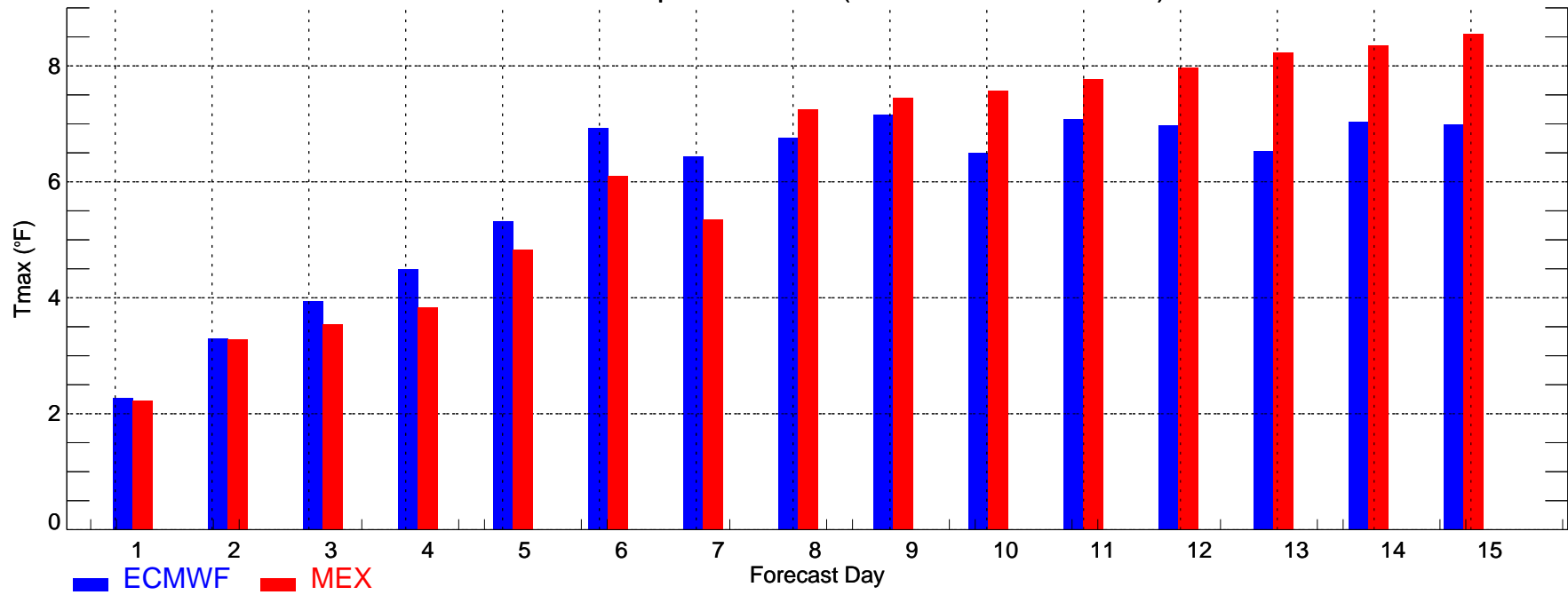
PDX: Max Temperature MAE (2009-05-01\_2009-05-31)



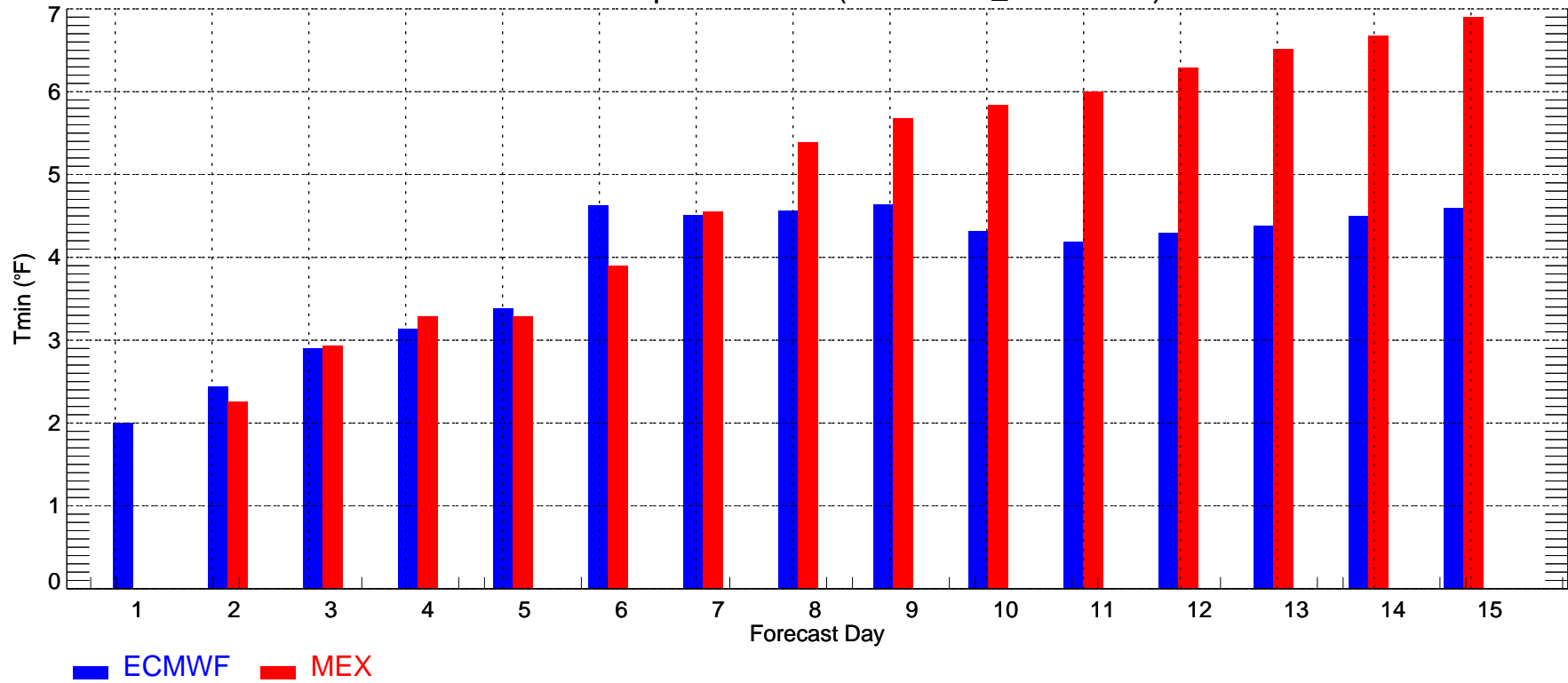
PDX: Min Temperature MAE (2009-05-01\_2009-05-31)



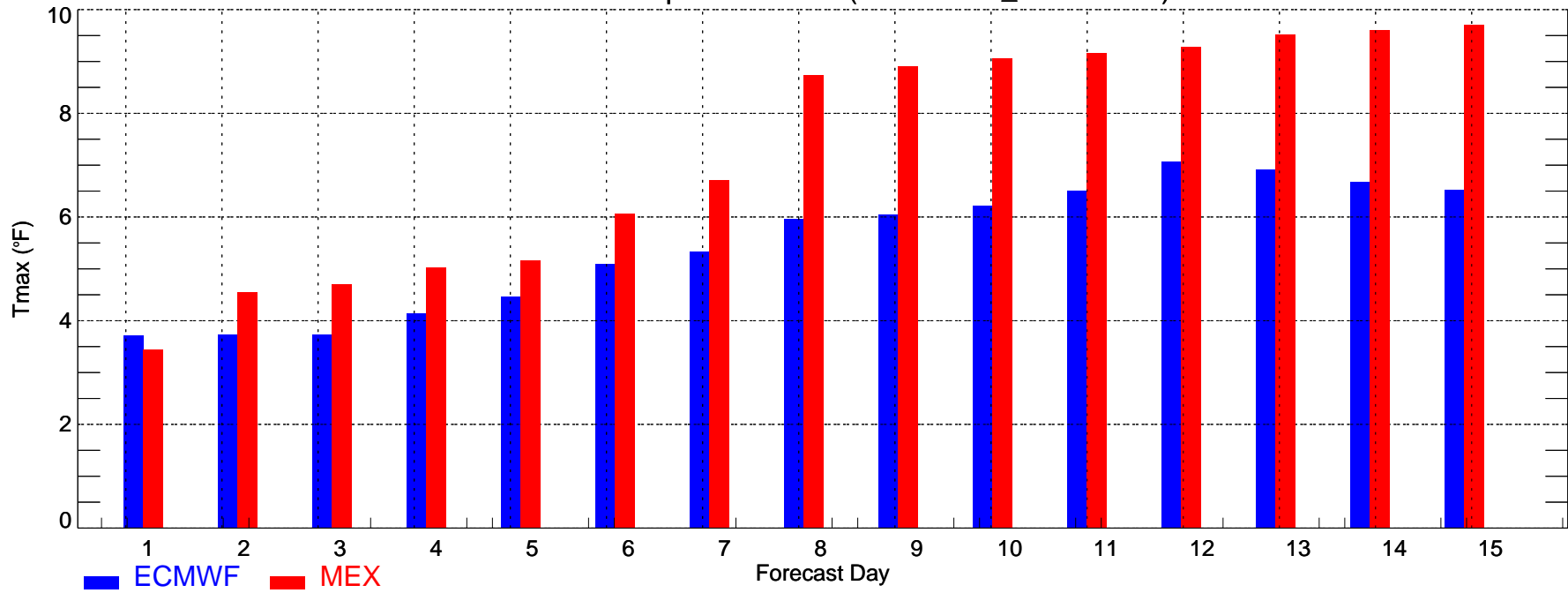
PHL: Max Temperature MAE (2009-05-01\_2009-05-31)



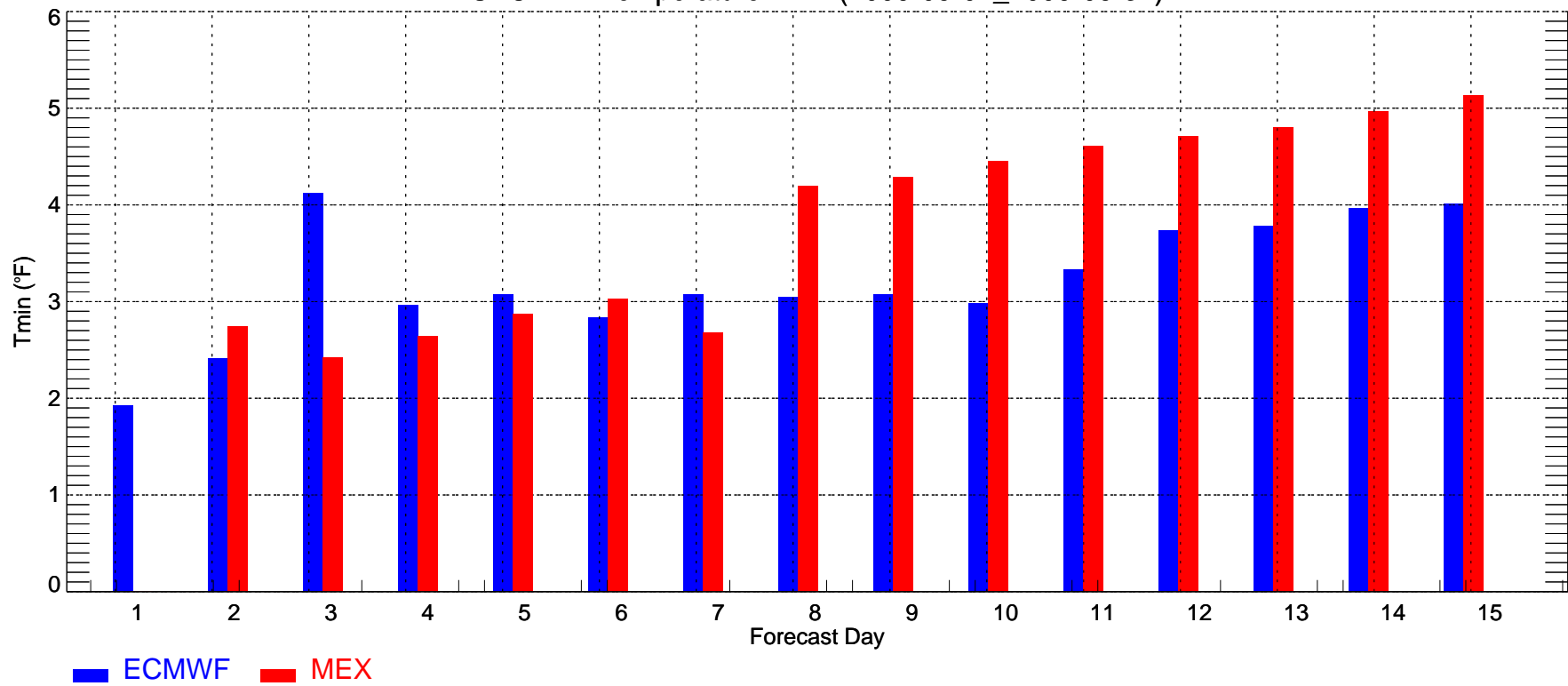
PHL: Min Temperature MAE (2009-05-01\_2009-05-31)



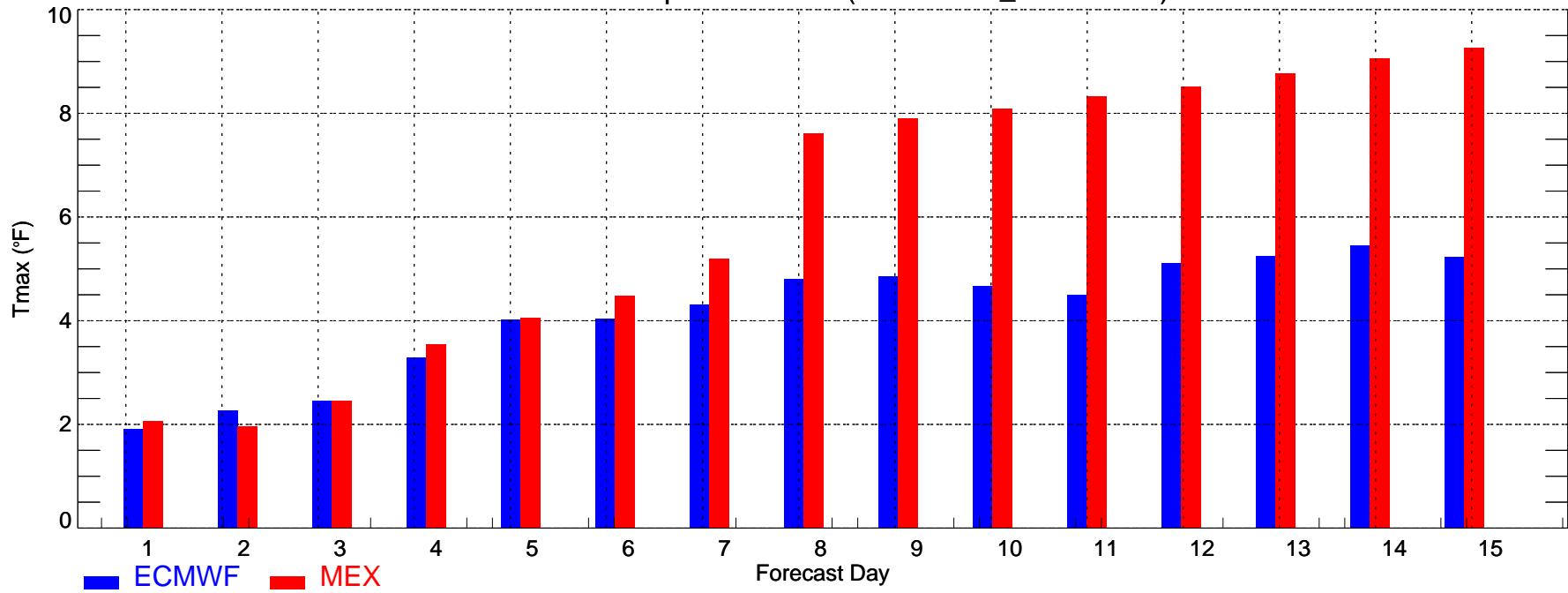
SAC: Max Temperature MAE (2009-05-01\_2009-05-31)



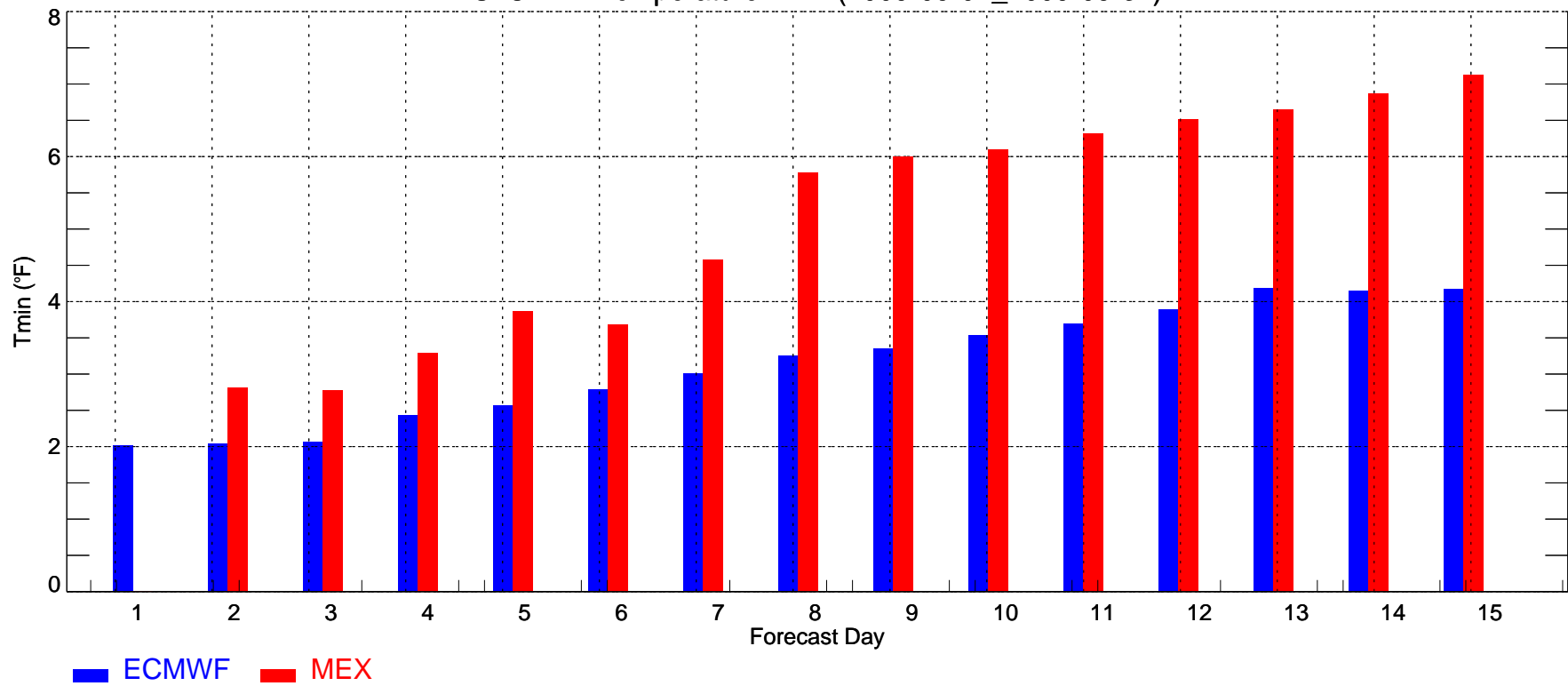
SAC: Min Temperature MAE (2009-05-01\_2009-05-31)



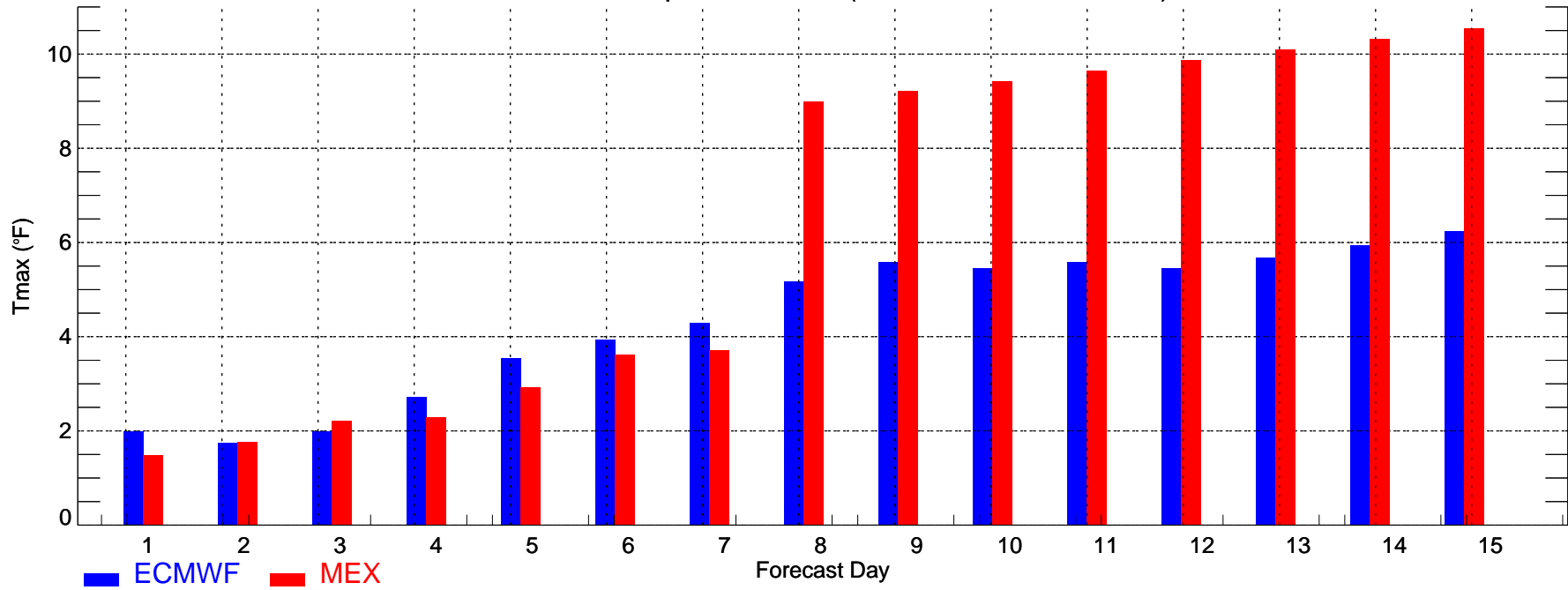
SLC: Max Temperature MAE (2009-05-01\_2009-05-31)



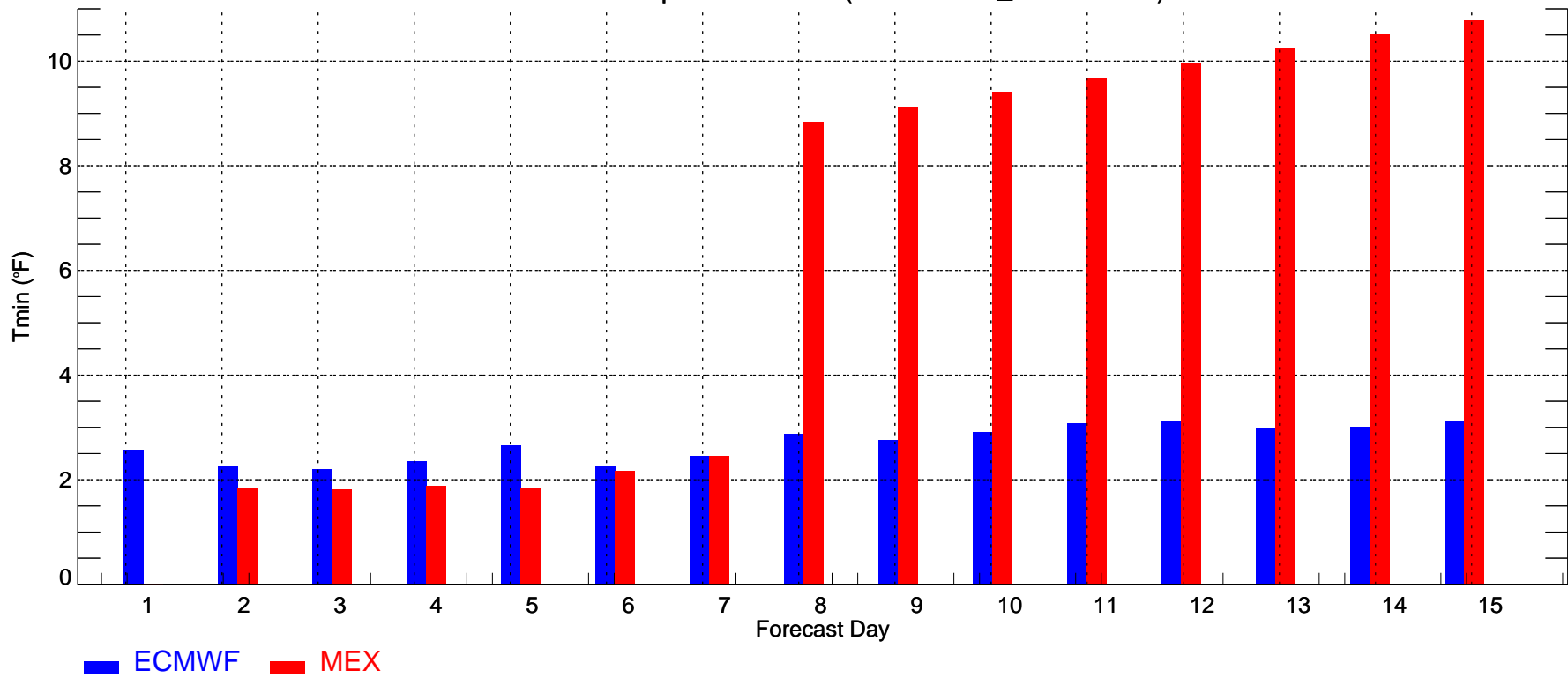
SLC: Min Temperature MAE (2009-05-01\_2009-05-31)



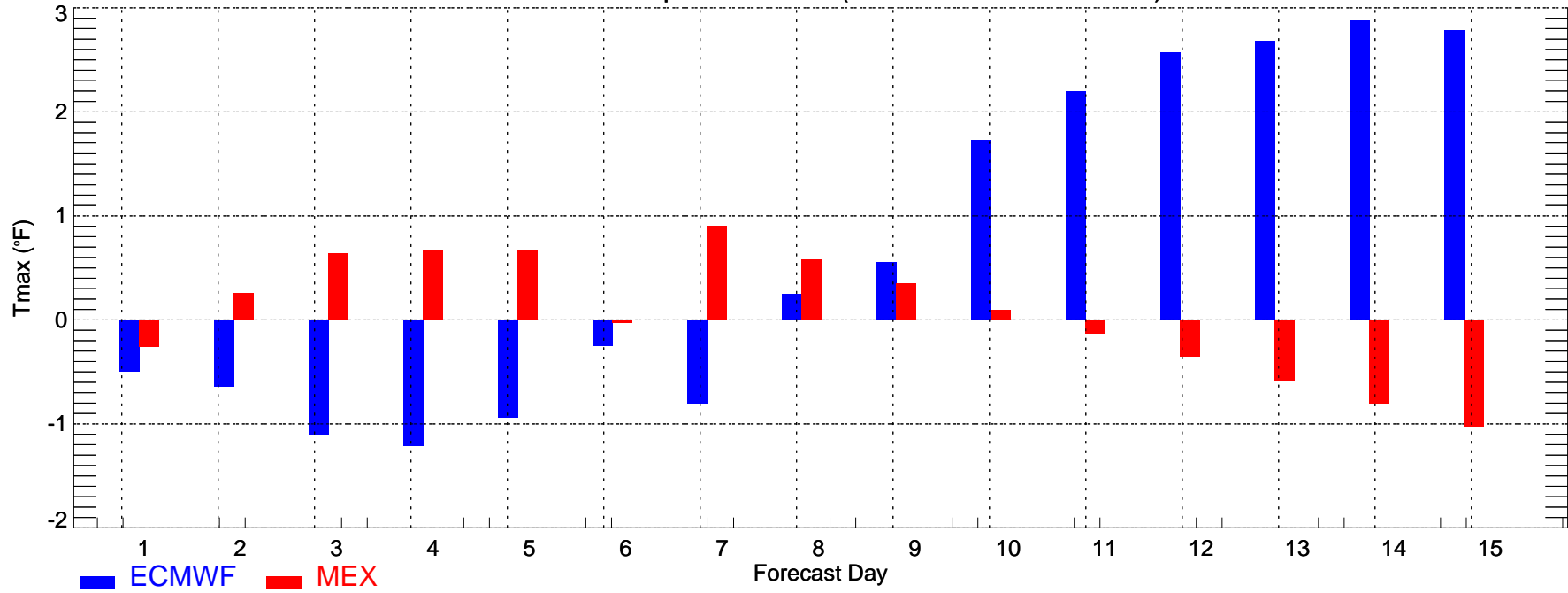
TUS: Max Temperature MAE (2009-05-01\_2009-05-31)



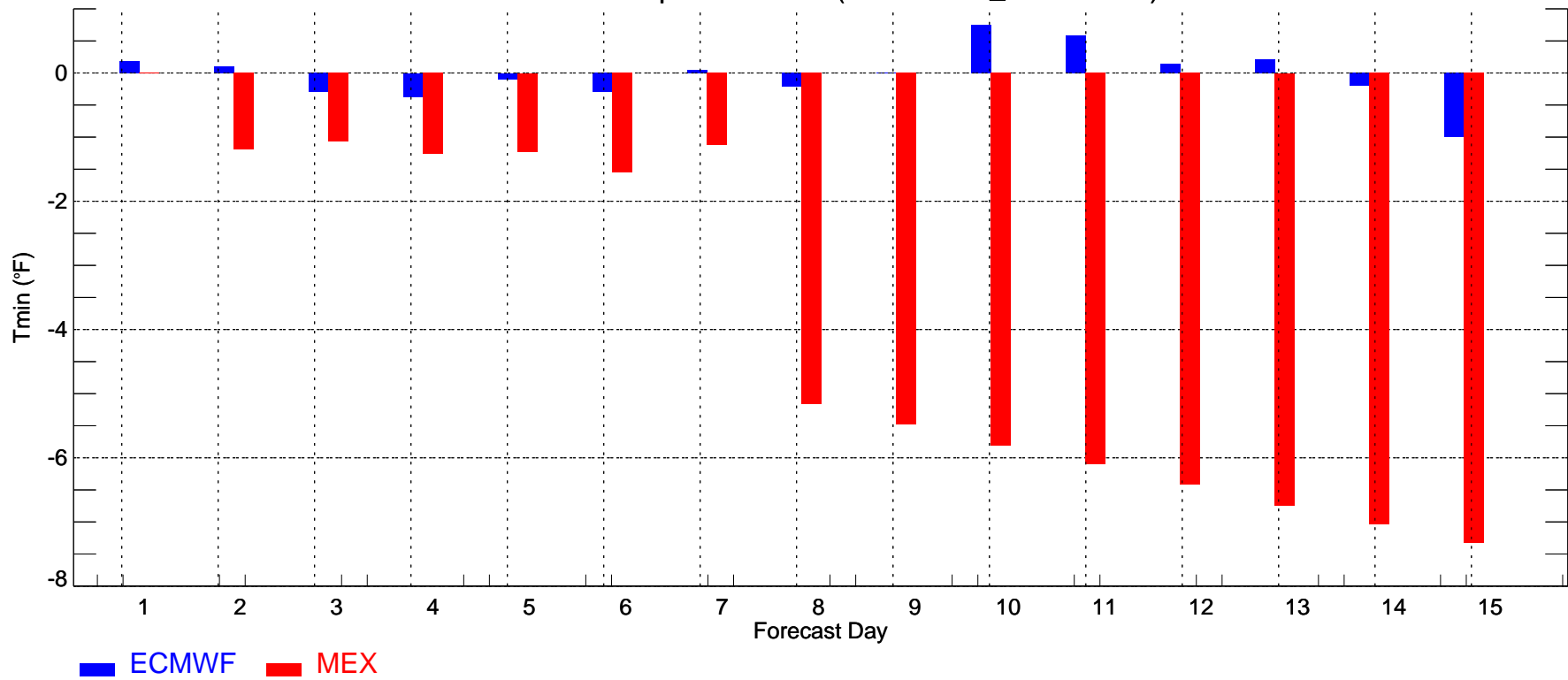
TUS: Min Temperature MAE (2009-05-01\_2009-05-31)



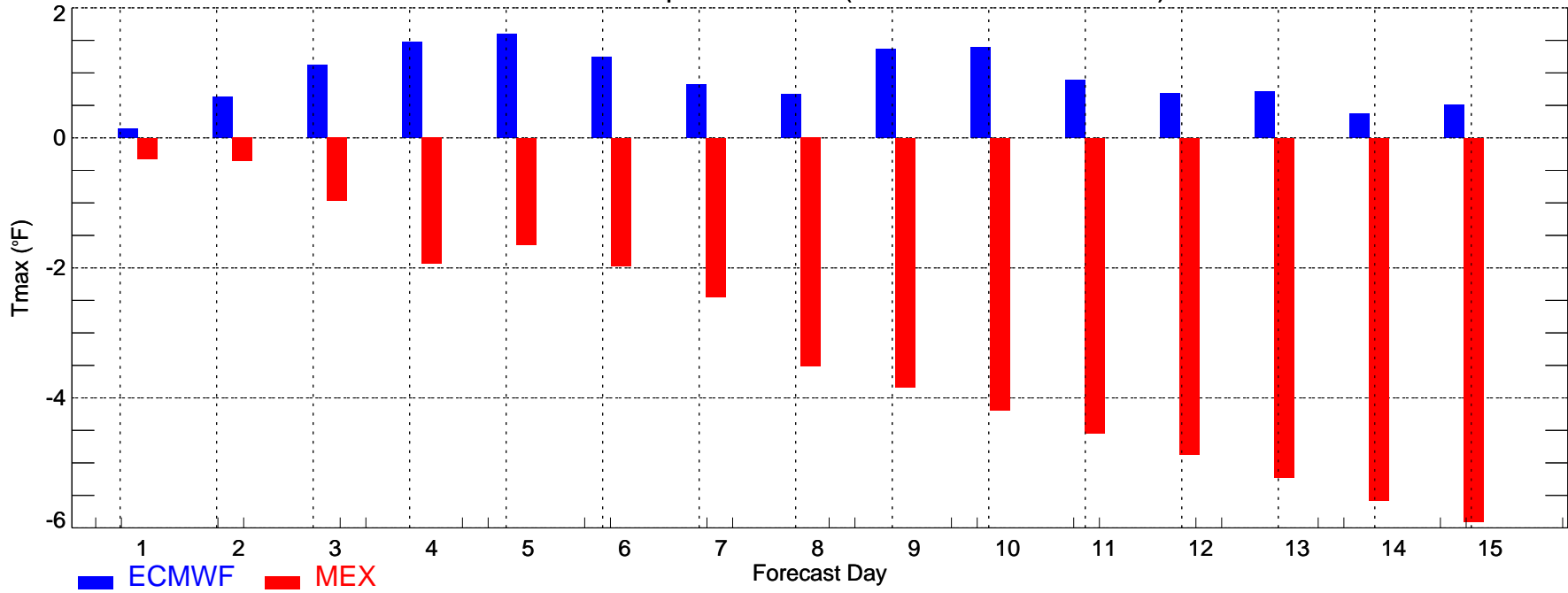
ATL: Max Temperature Bias (2009-05-01\_2009-05-31)



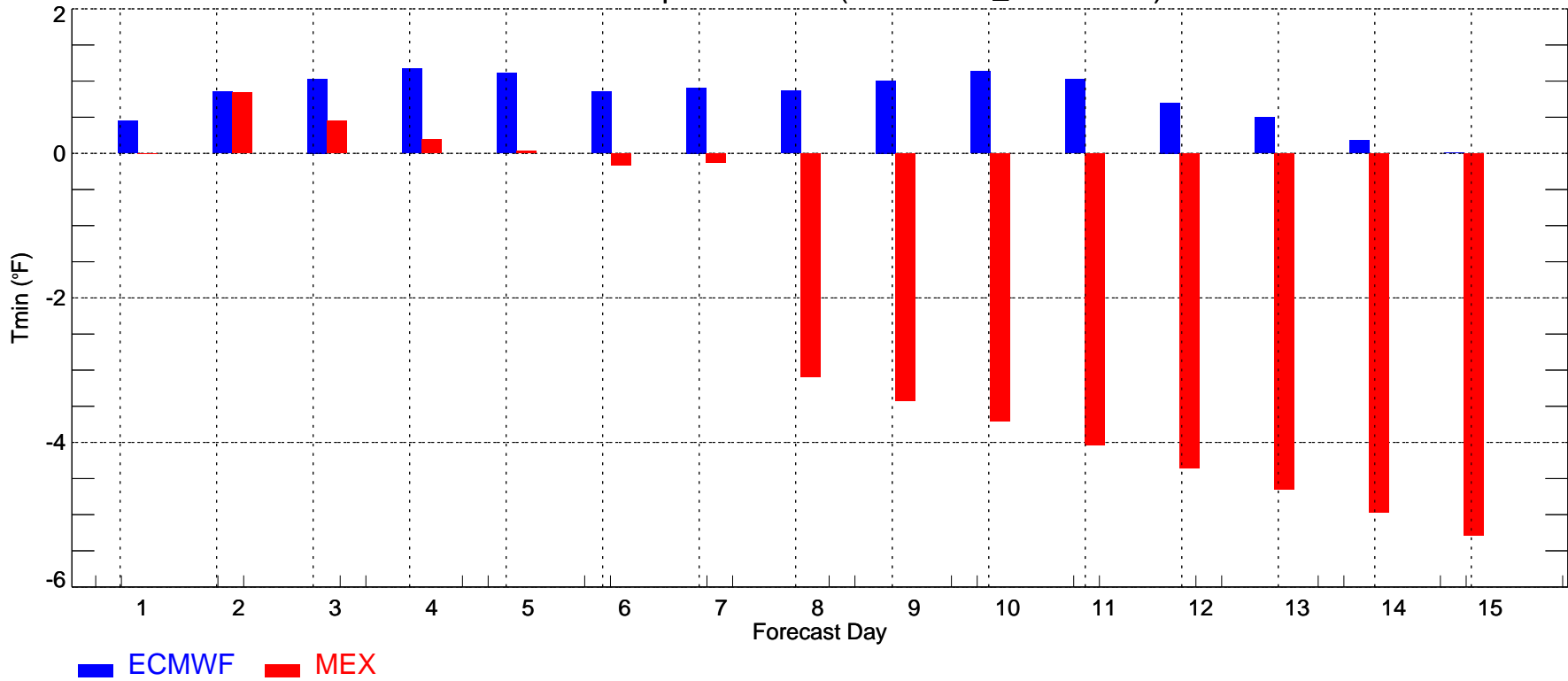
ATL: Min Temperature Bias (2009-05-01\_2009-05-31)



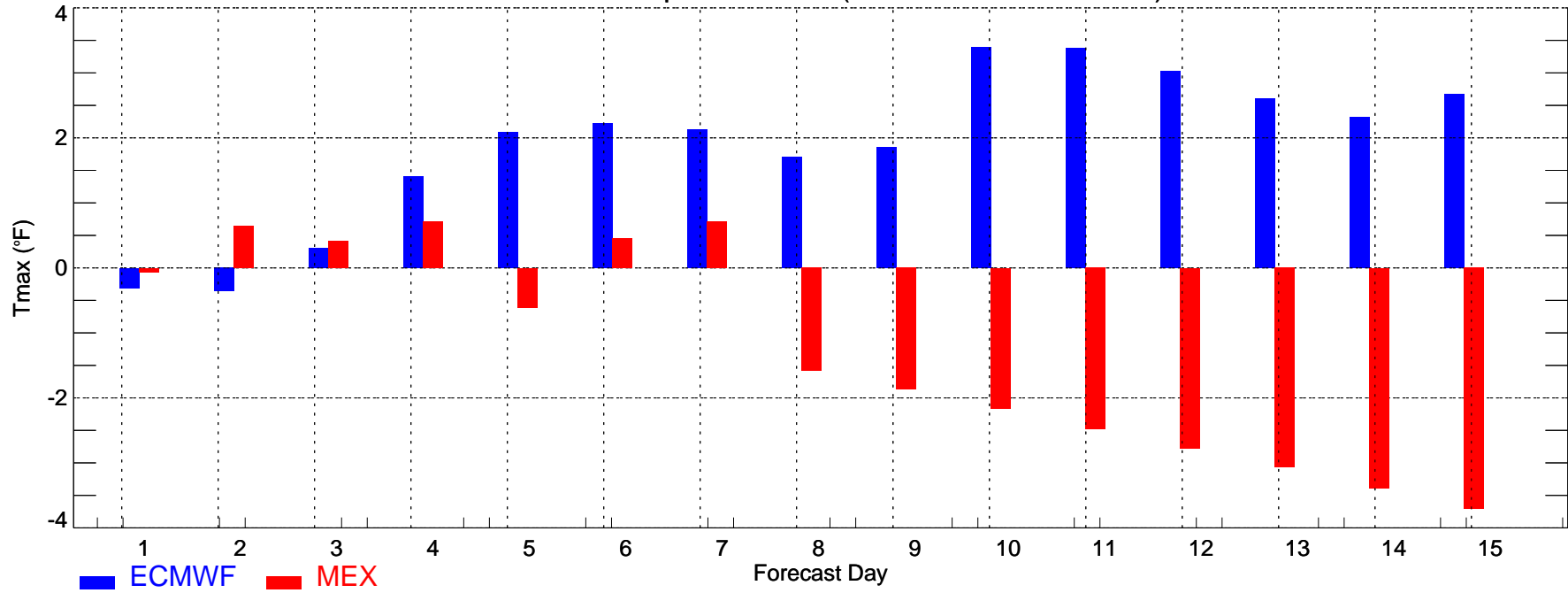
BOS: Max Temperature Bias (2009-05-01\_2009-05-31)



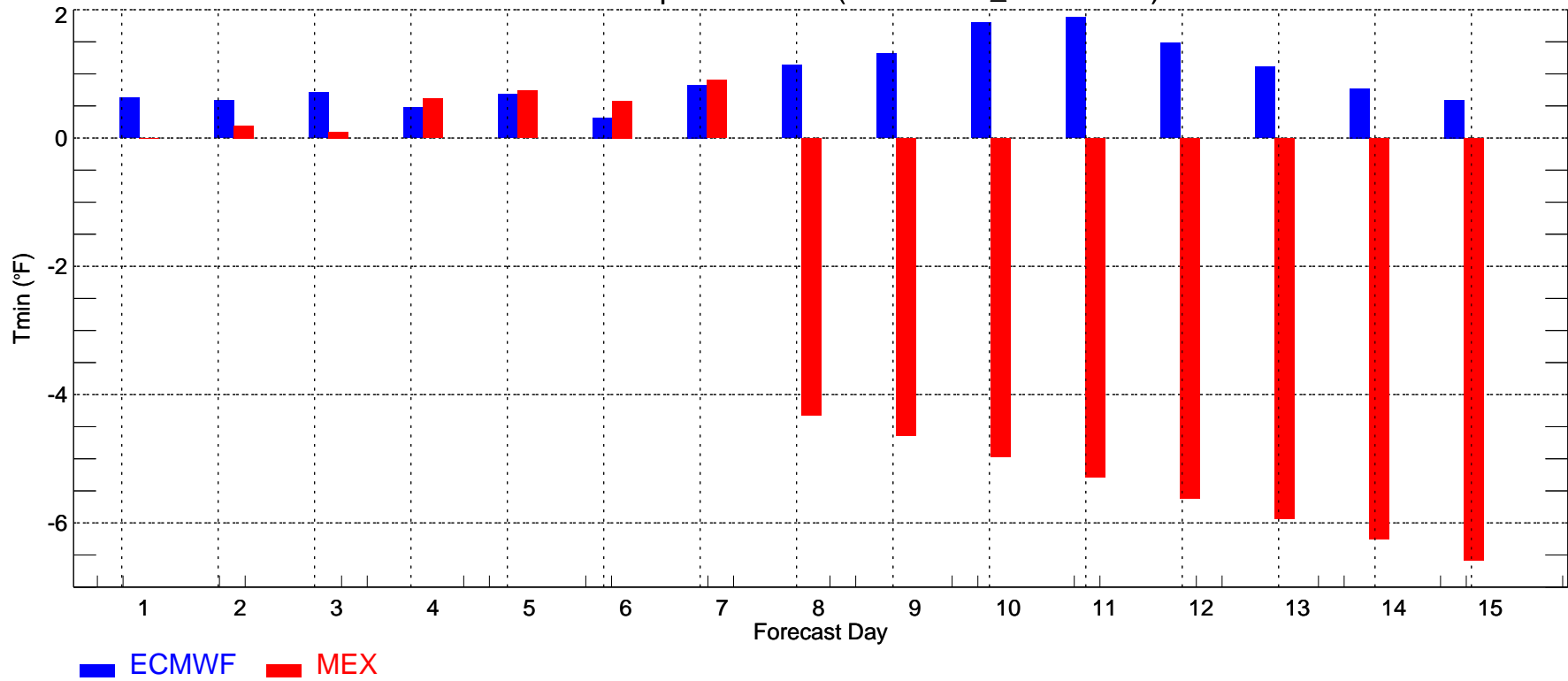
BOS: Min Temperature Bias (2009-05-01\_2009-05-31)



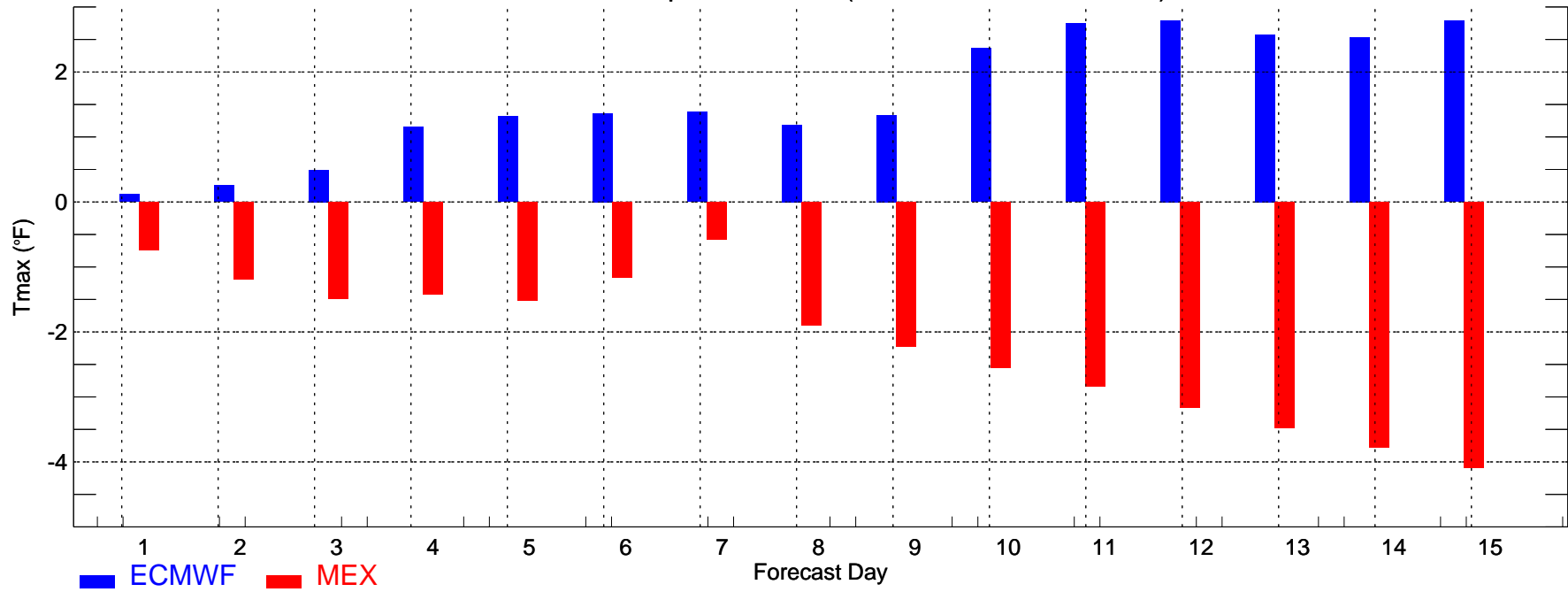
BWI: Max Temperature Bias (2009-05-01\_2009-05-31)



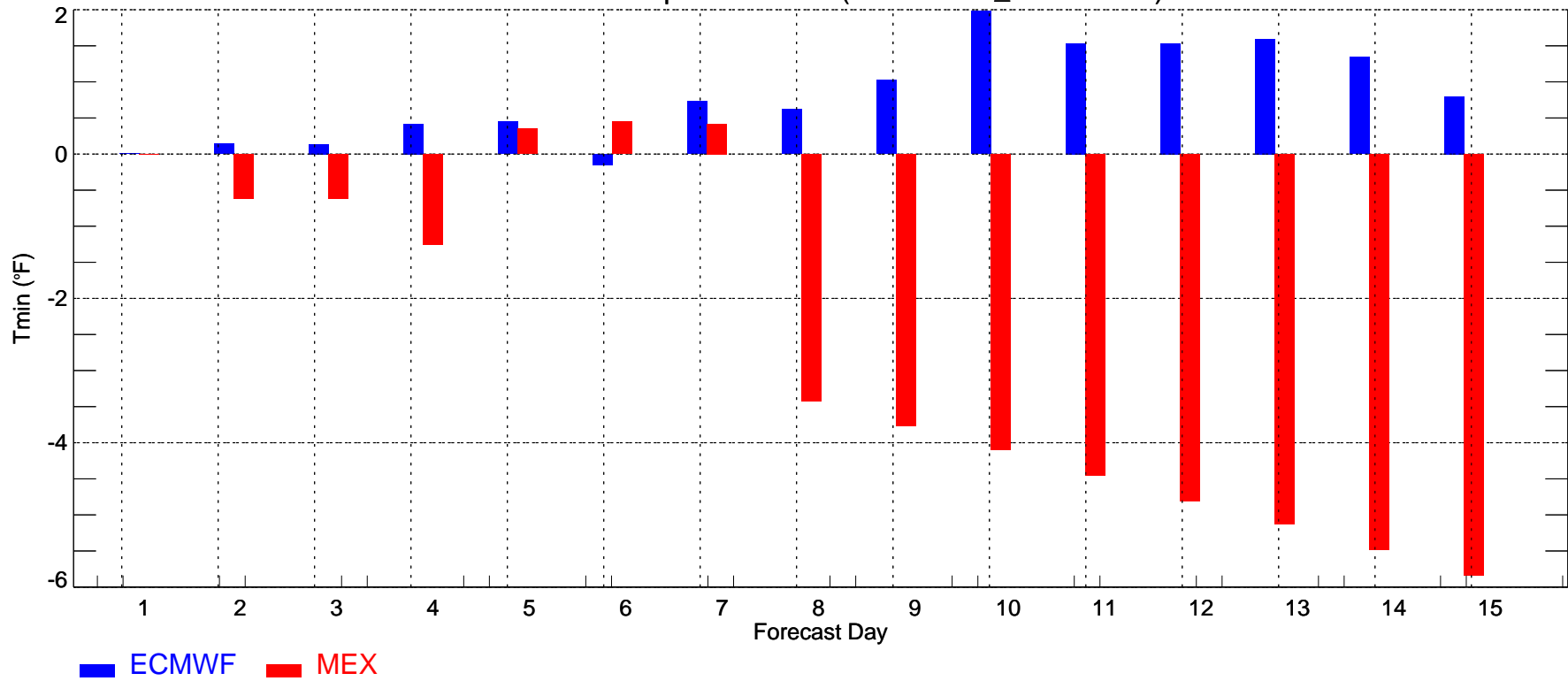
BWI: Min Temperature Bias (2009-05-01\_2009-05-31)



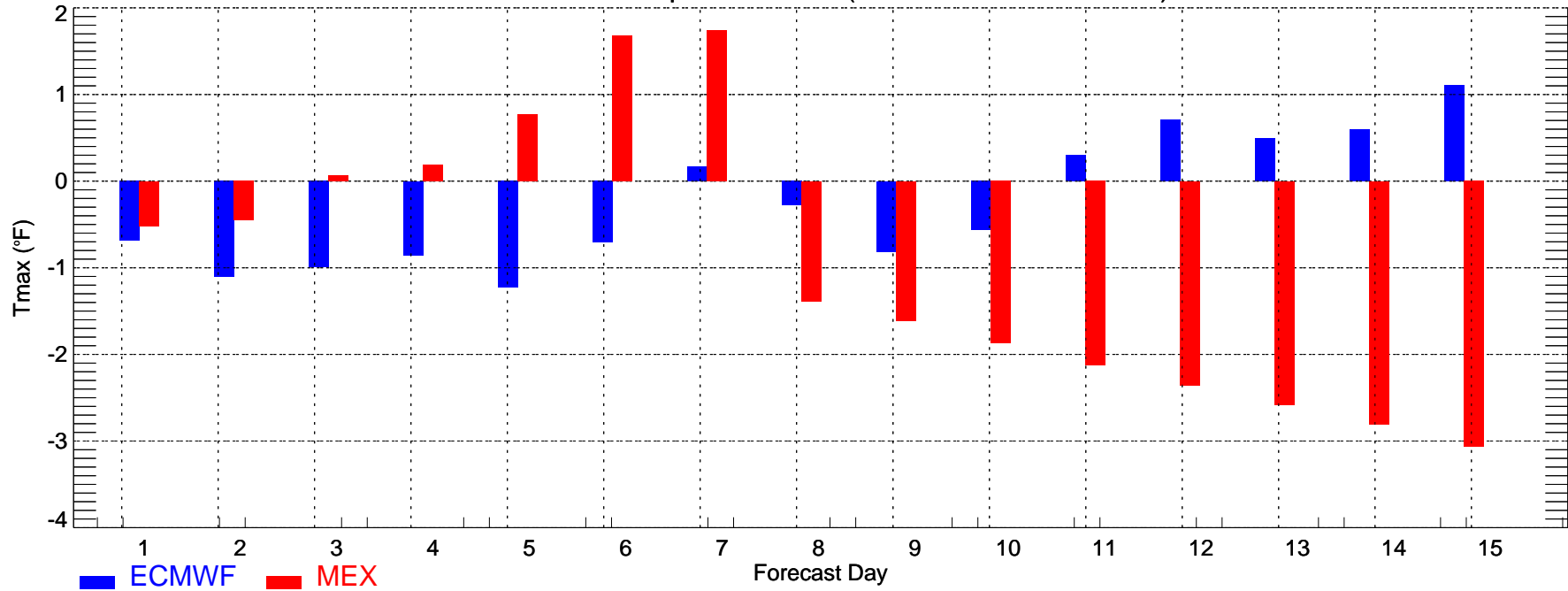
CVG: Max Temperature Bias (2009-05-01\_2009-05-31)



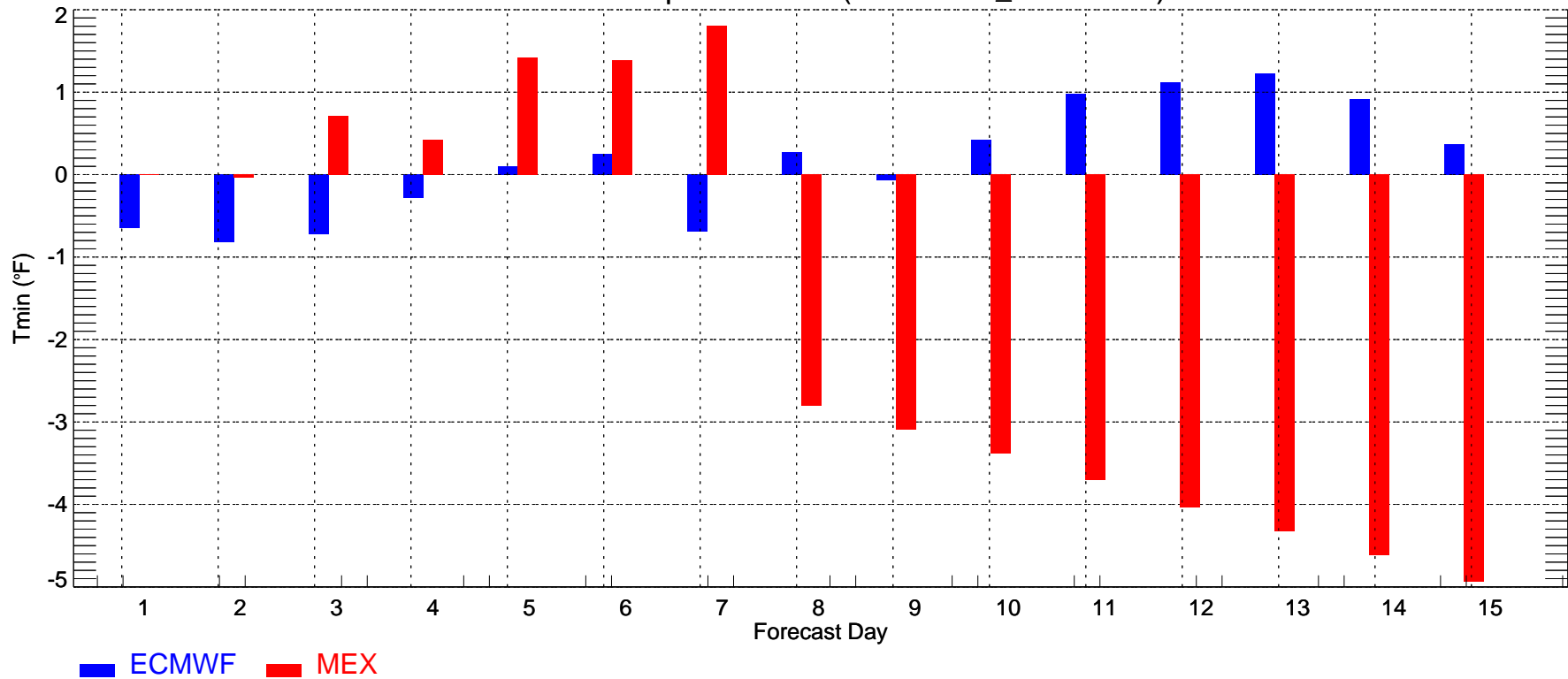
CVG: Min Temperature Bias (2009-05-01\_2009-05-31)



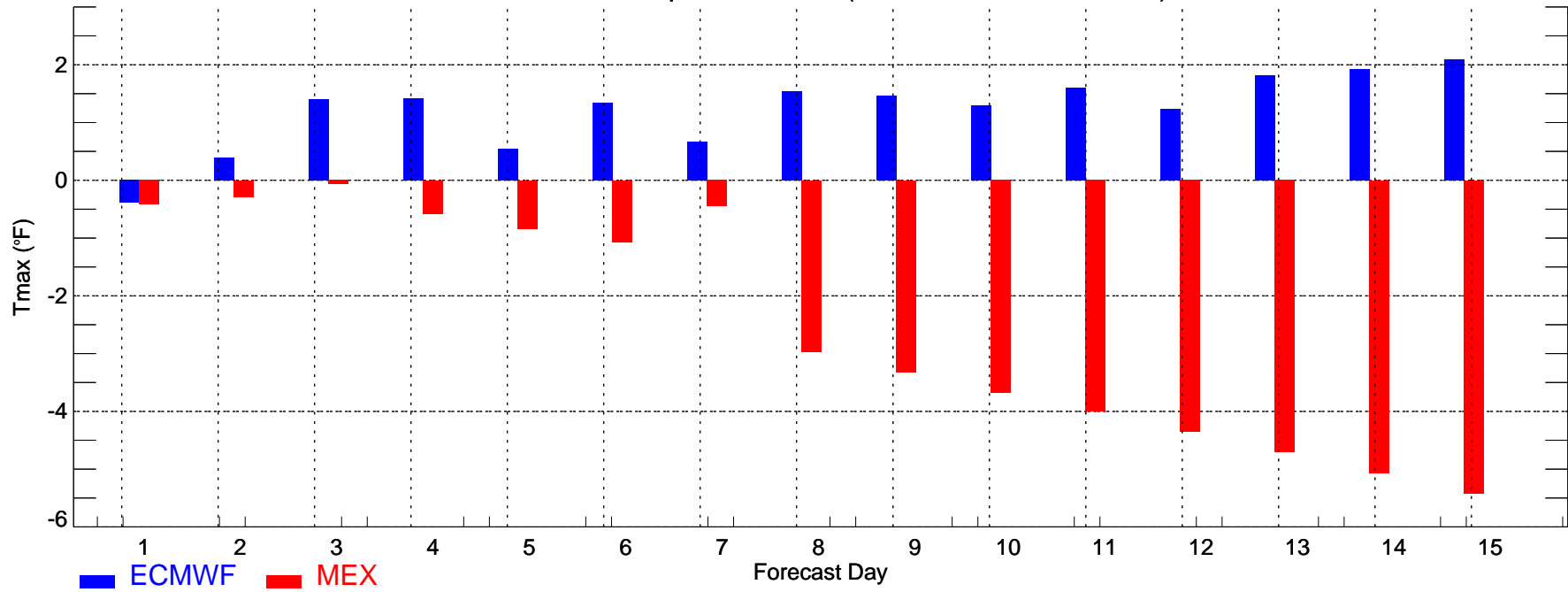
DFW: Max Temperature Bias (2009-05-01\_2009-05-31)



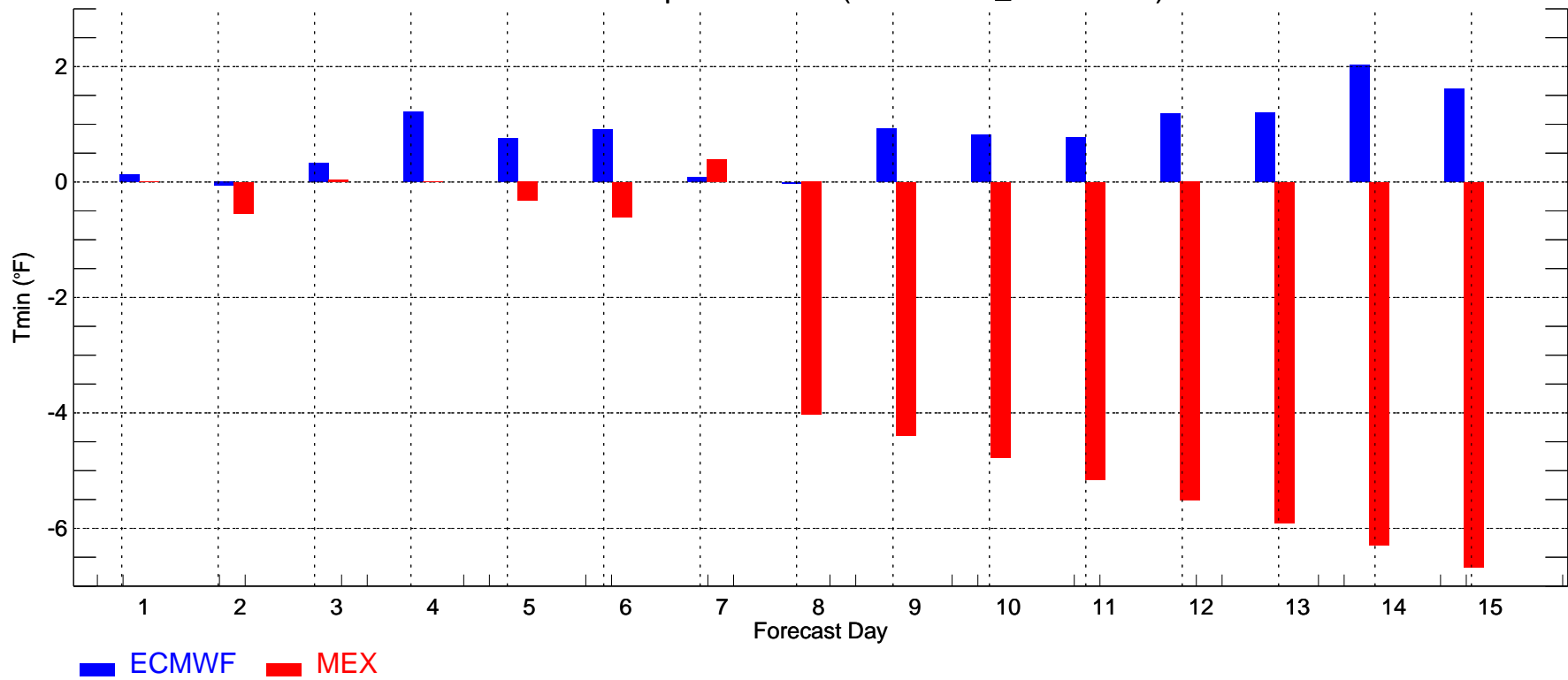
DFW: Min Temperature Bias (2009-05-01\_2009-05-31)



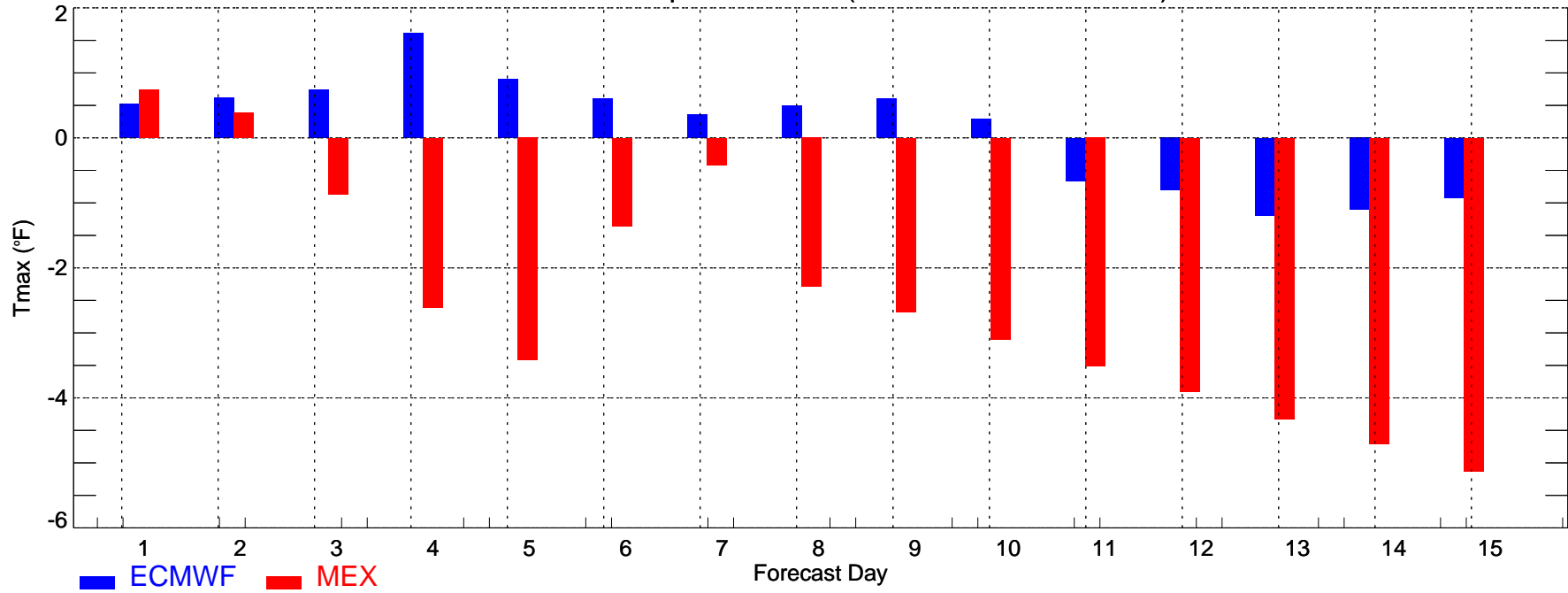
DSM: Max Temperature Bias (2009-05-01\_2009-05-31)



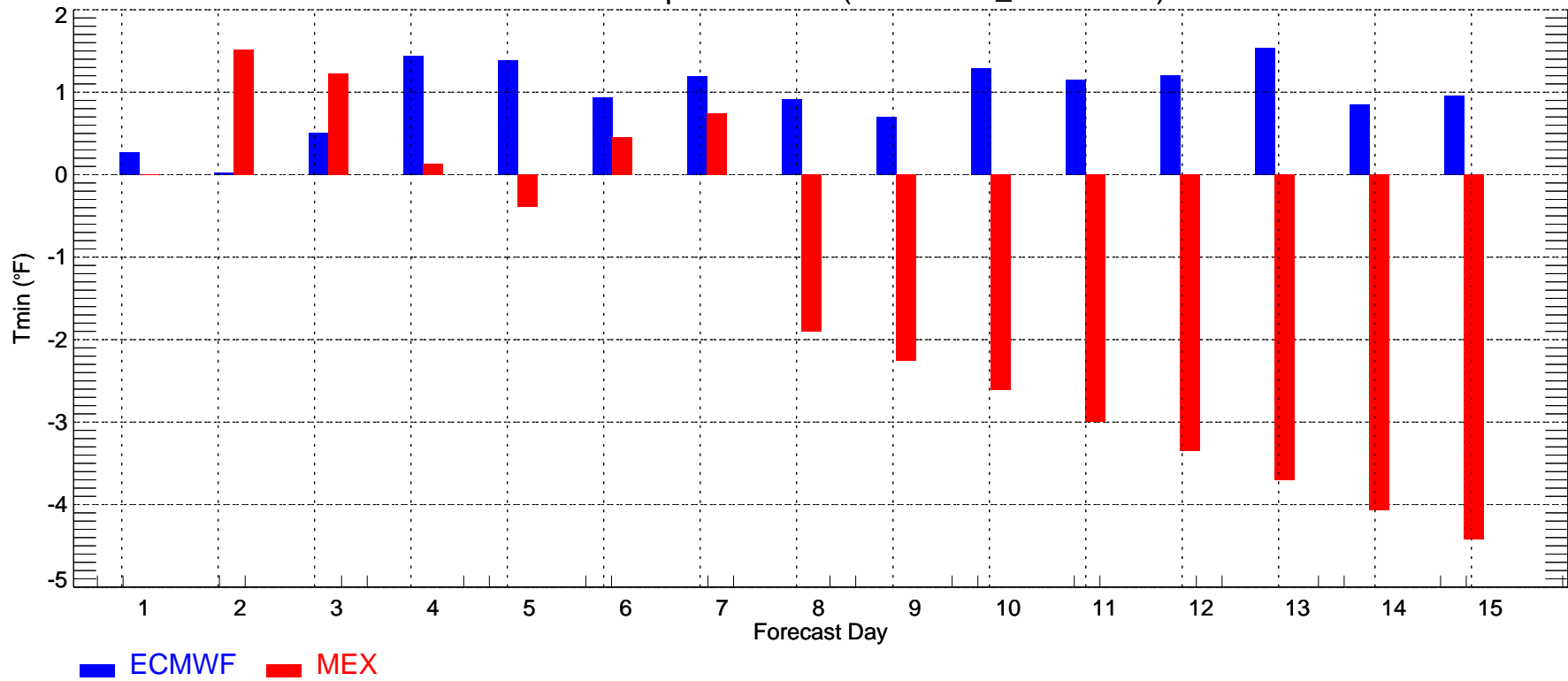
DSM: Min Temperature Bias (2009-05-01\_2009-05-31)



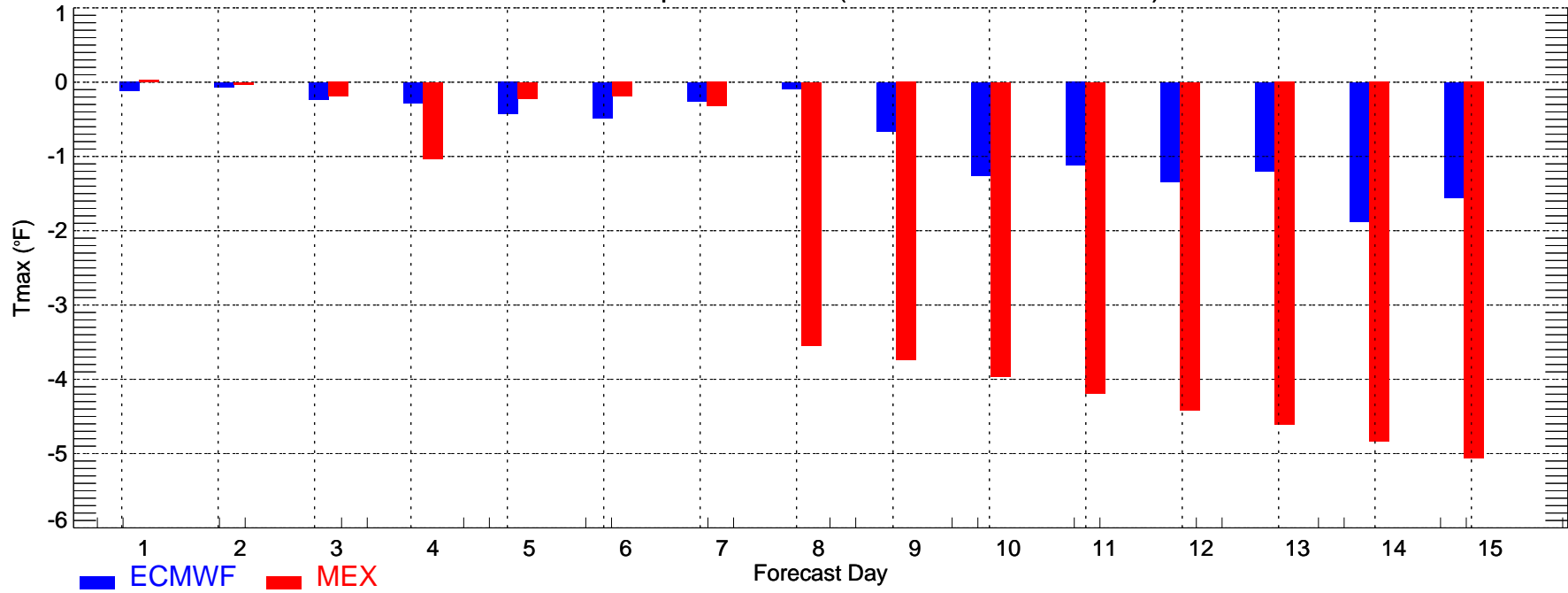
DTW: Max Temperature Bias (2009-05-01\_2009-05-31)



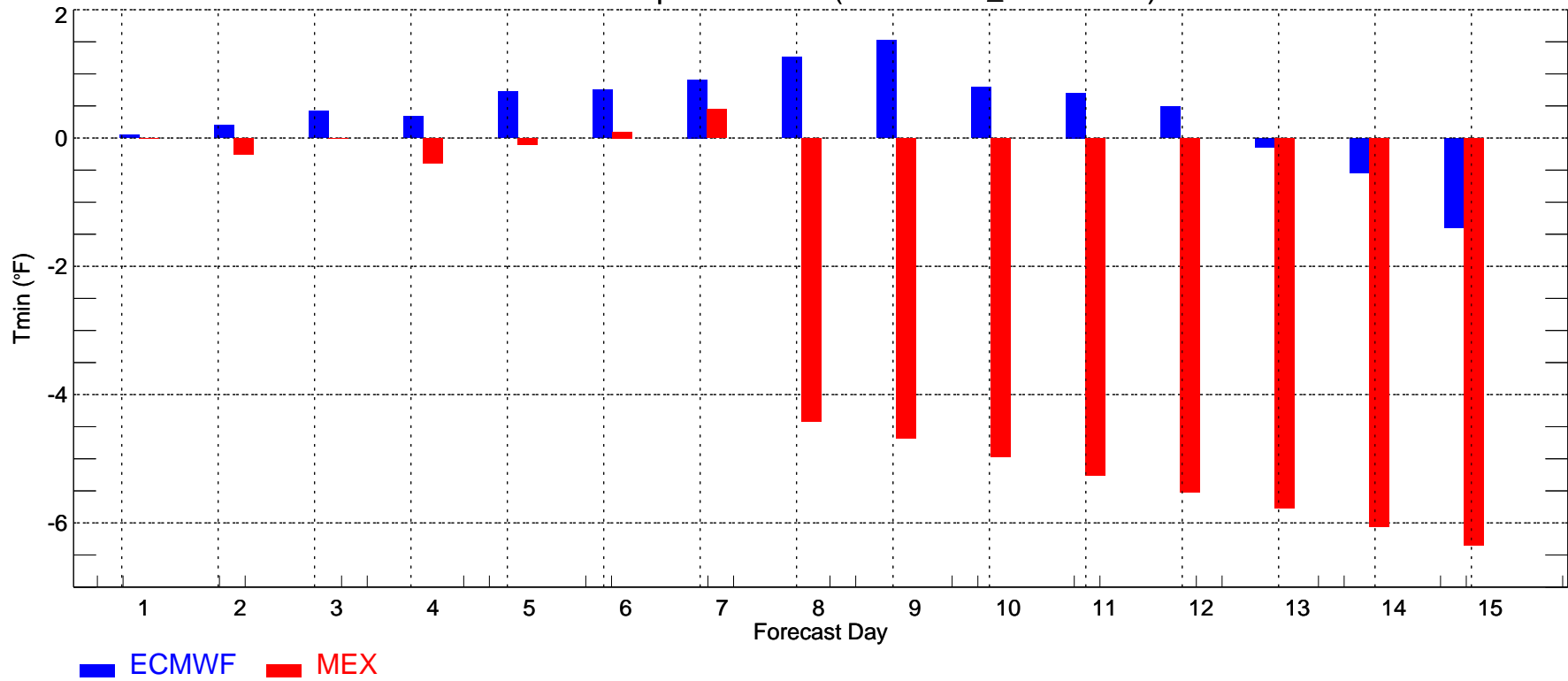
DTW: Min Temperature Bias (2009-05-01\_2009-05-31)



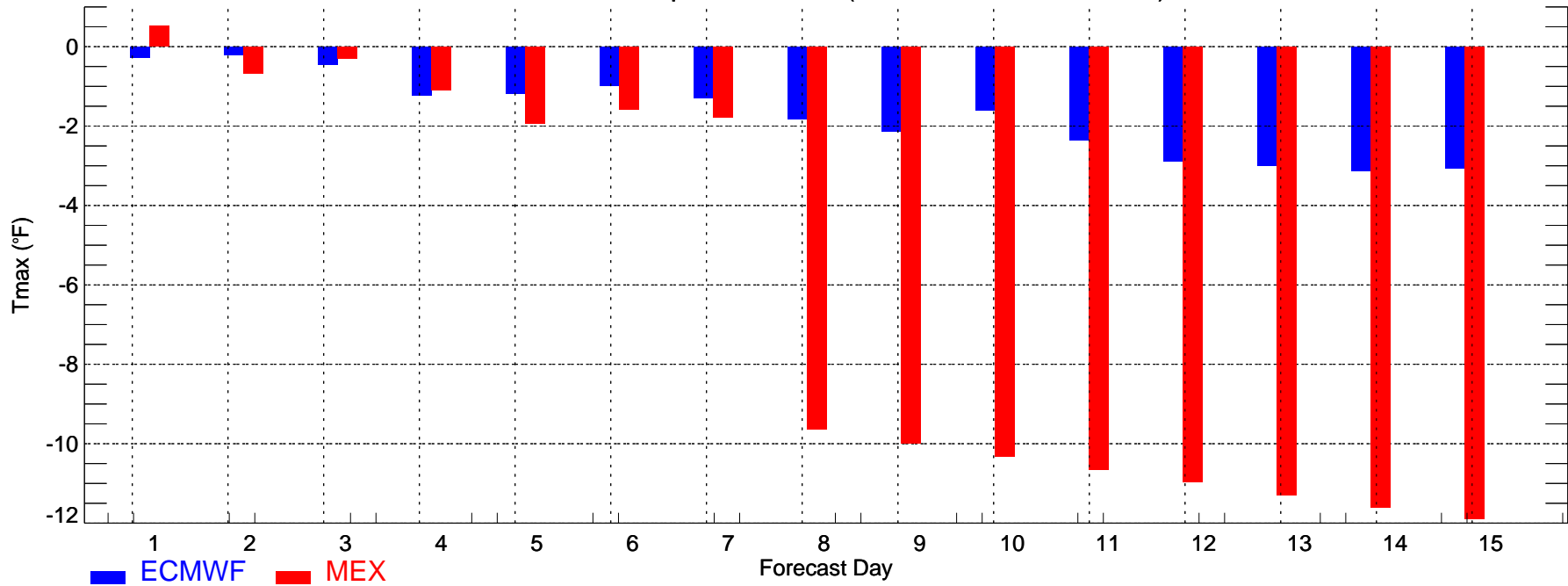
IAH: Max Temperature Bias (2009-05-01\_2009-05-31)



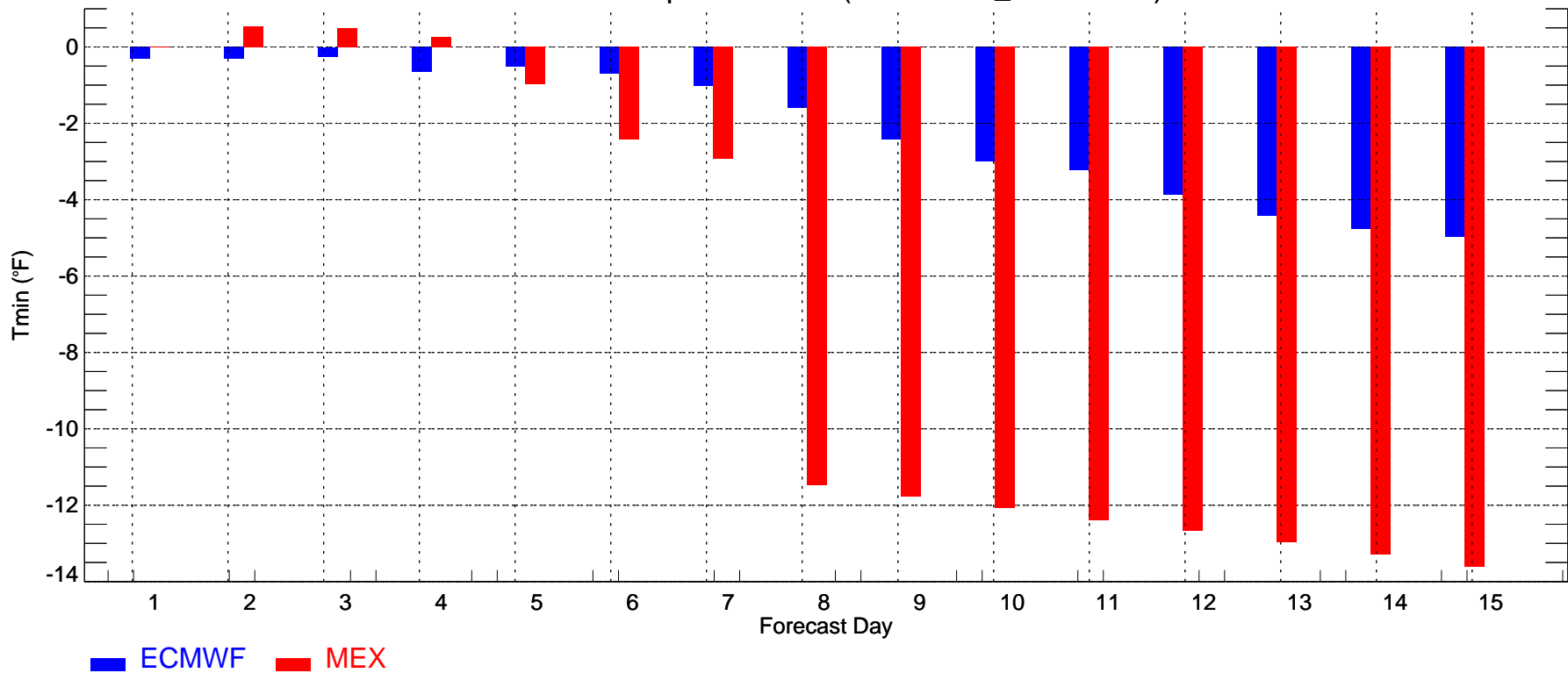
IAH: Min Temperature Bias (2009-05-01\_2009-05-31)



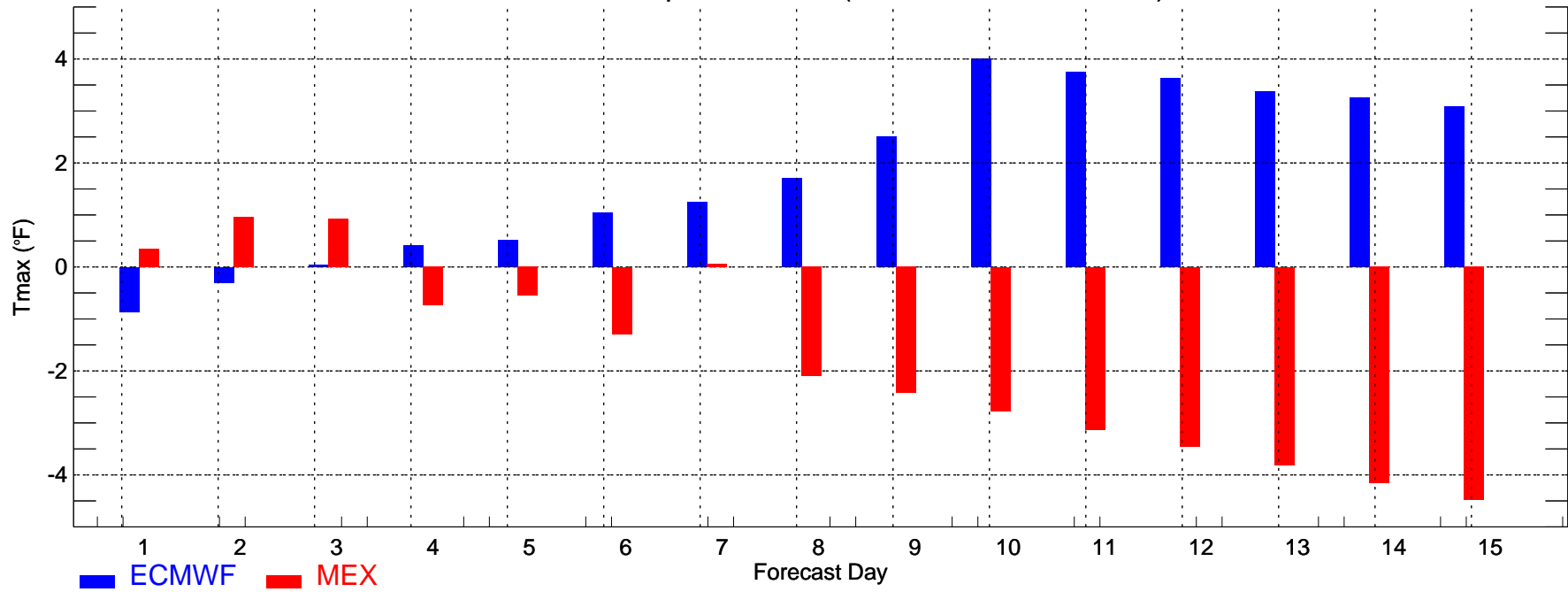
LAS: Max Temperature Bias (2009-05-01\_2009-05-31)



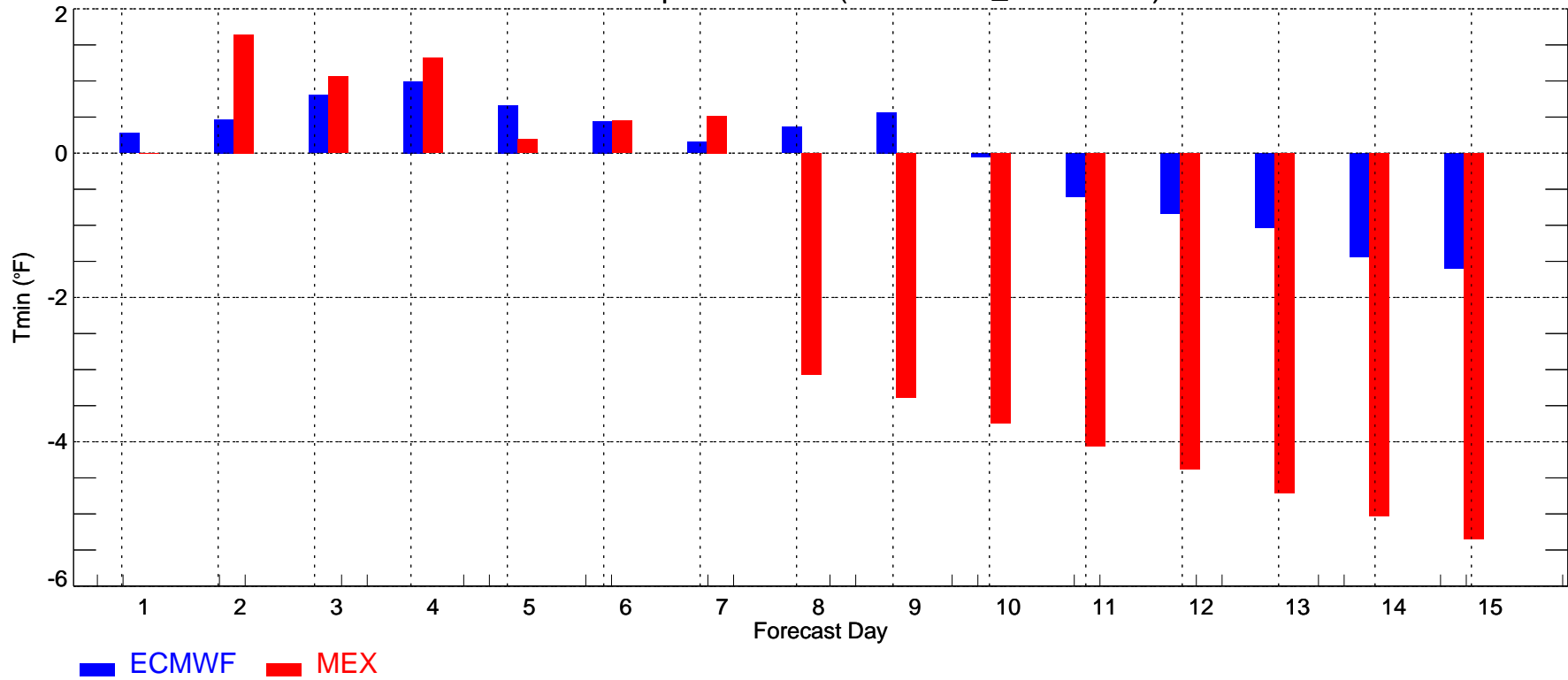
LAS: Min Temperature Bias (2009-05-01\_2009-05-31)



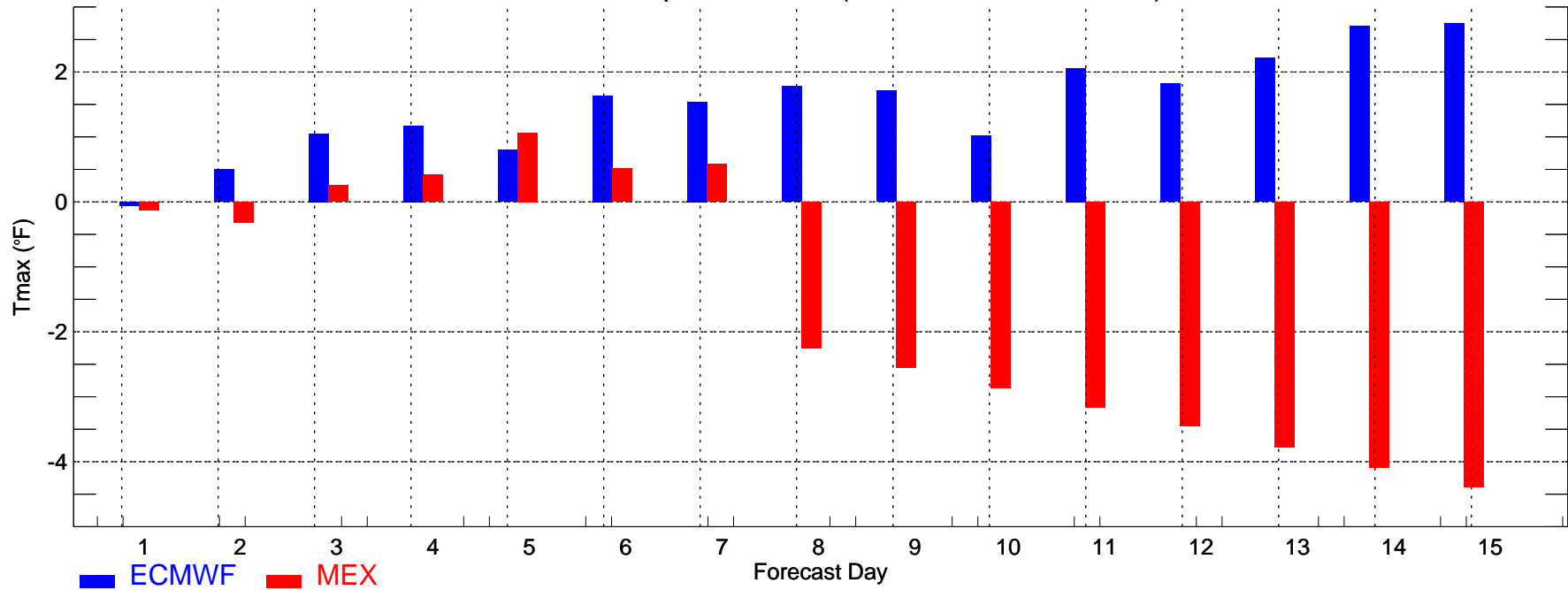
LGA: Max Temperature Bias (2009-05-01\_2009-05-31)



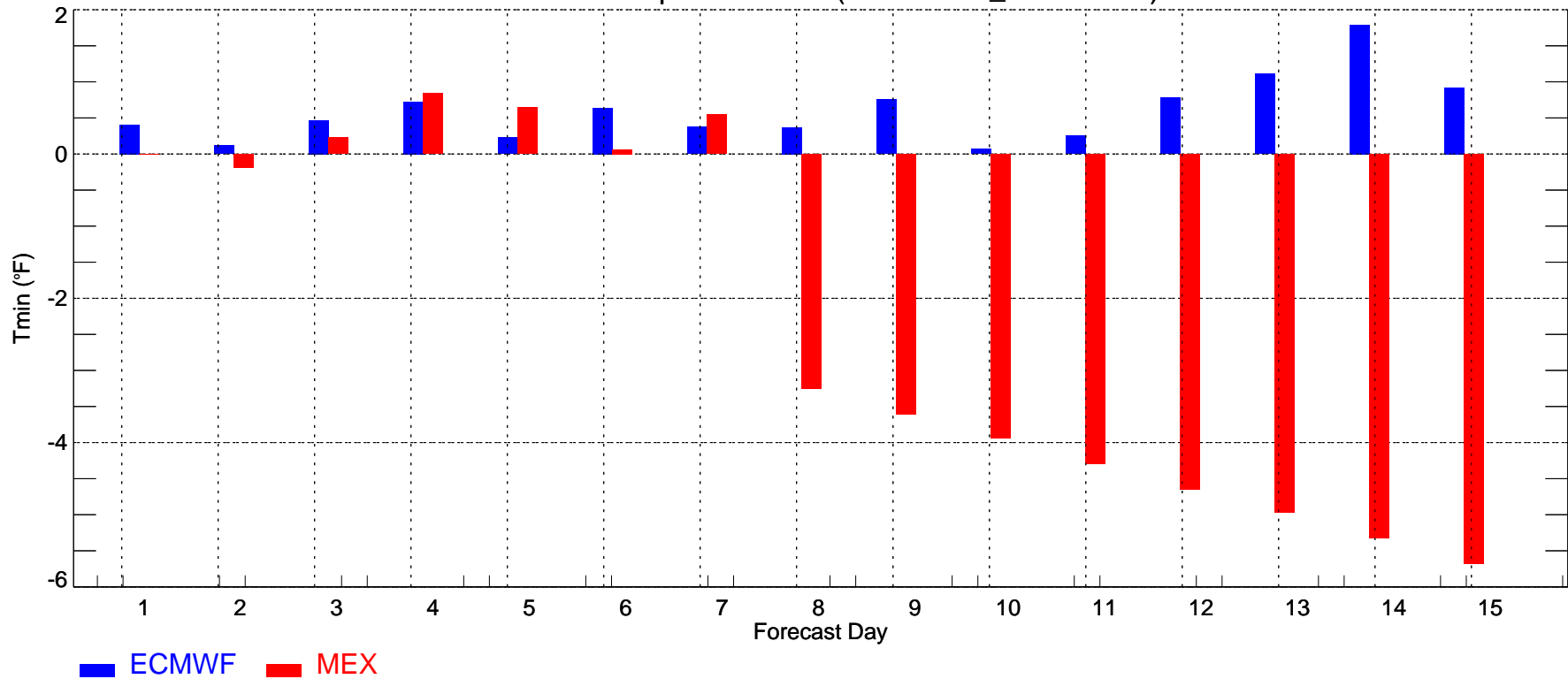
LGA: Min Temperature Bias (2009-05-01\_2009-05-31)



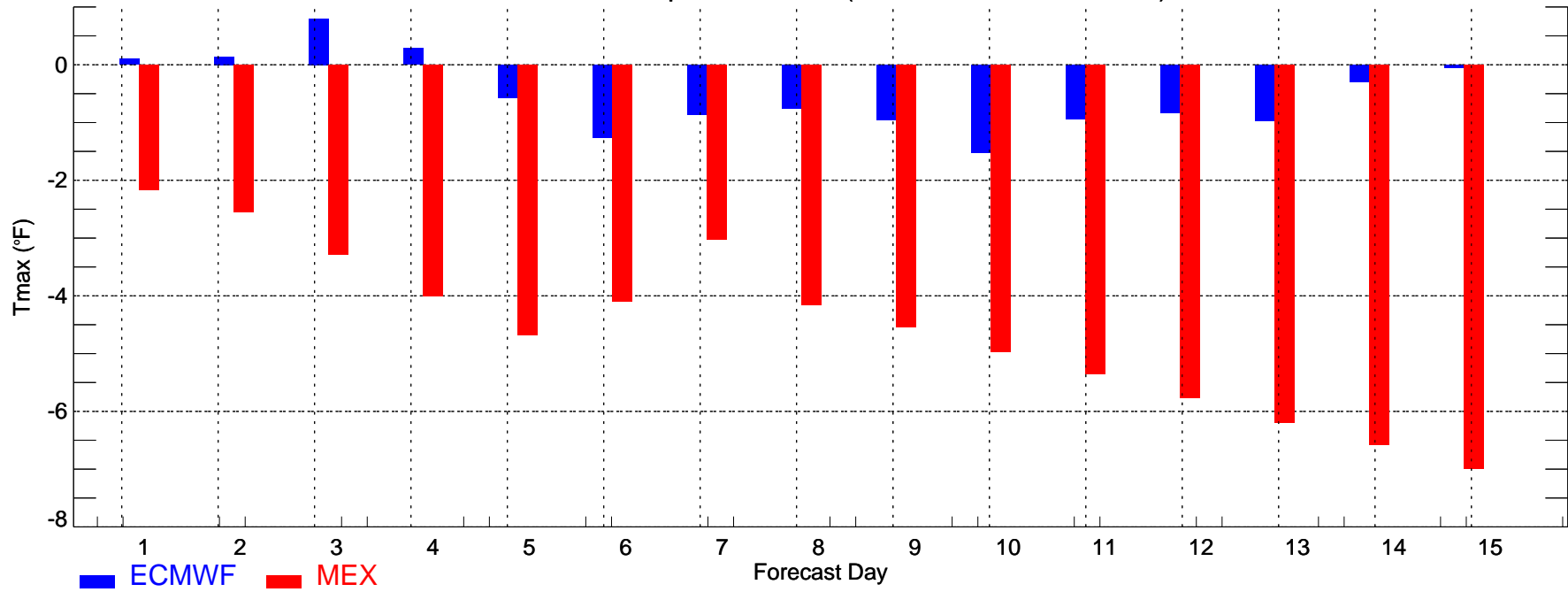
MCI: Max Temperature Bias (2009-05-01\_2009-05-31)



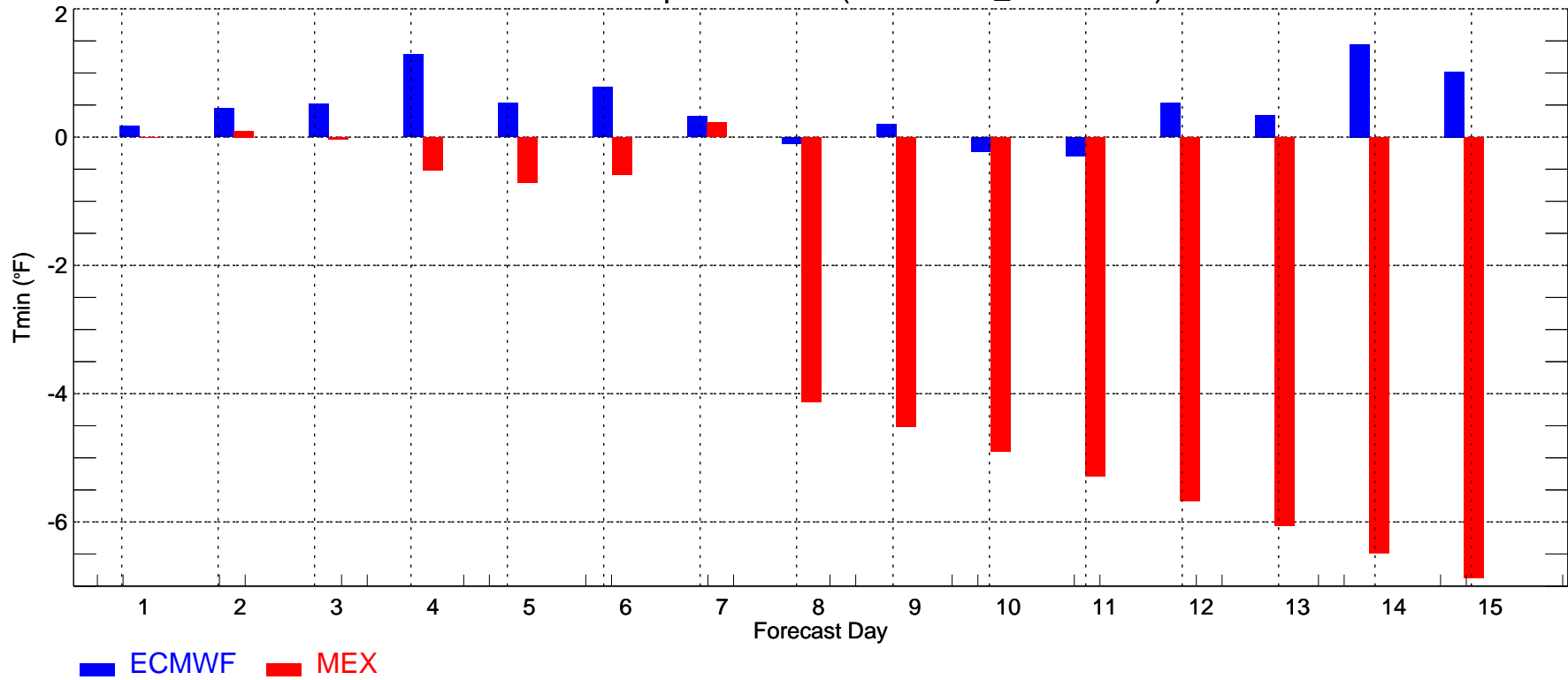
MCI: Min Temperature Bias (2009-05-01\_2009-05-31)



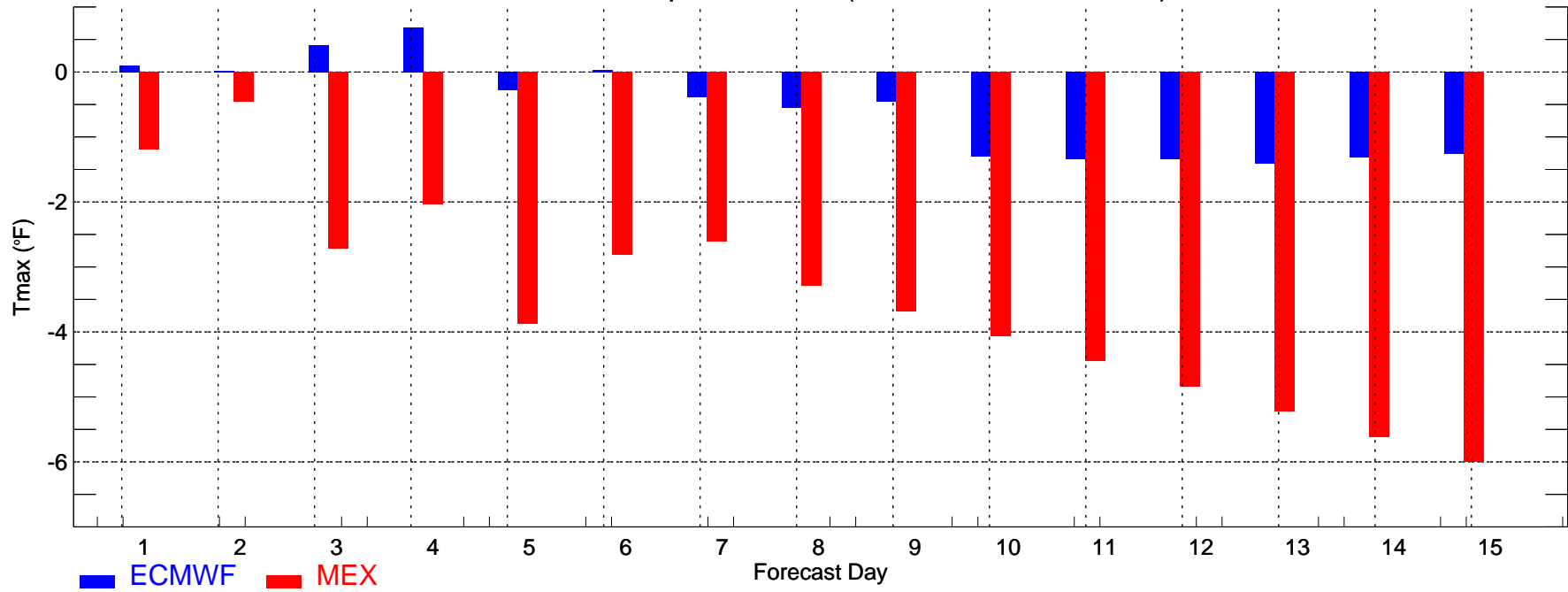
MSP: Max Temperature Bias (2009-05-01\_2009-05-31)



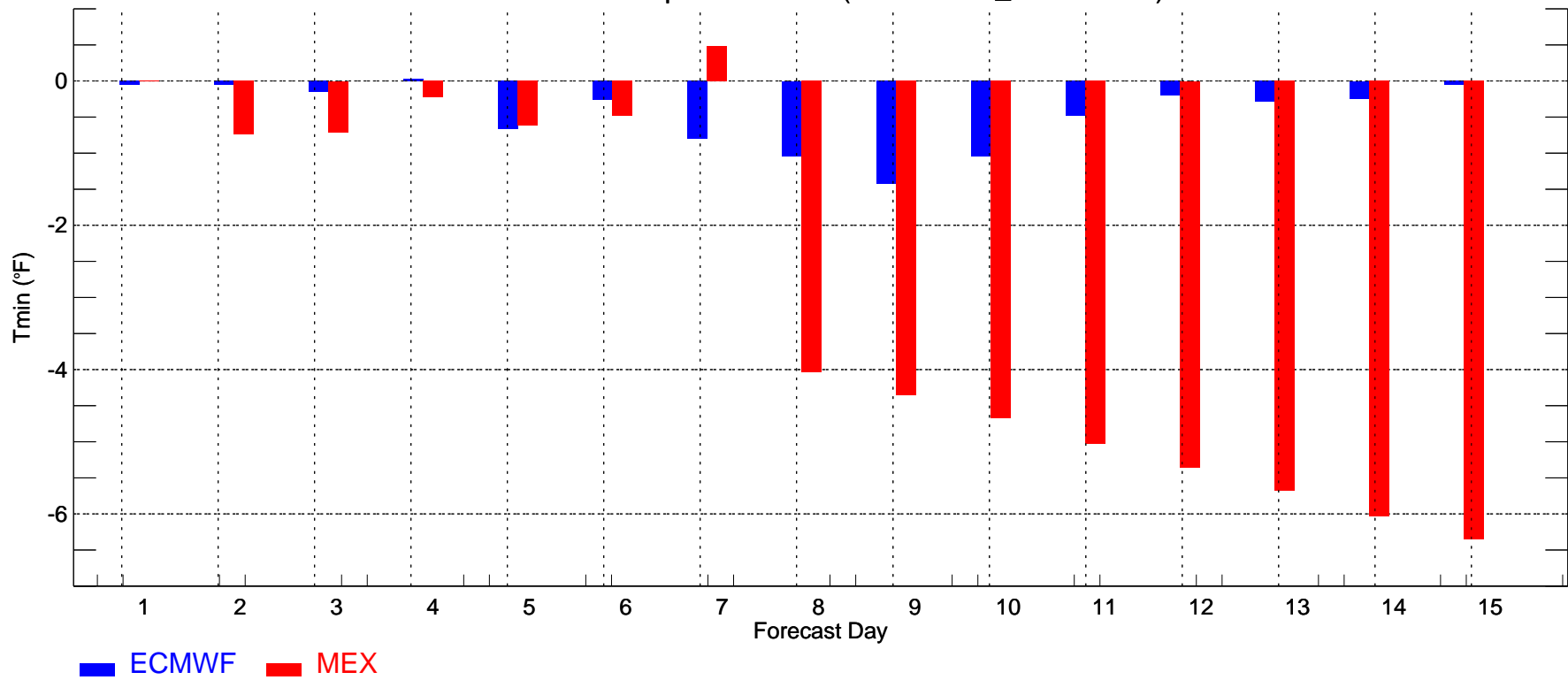
MSP: Min Temperature Bias (2009-05-01\_2009-05-31)



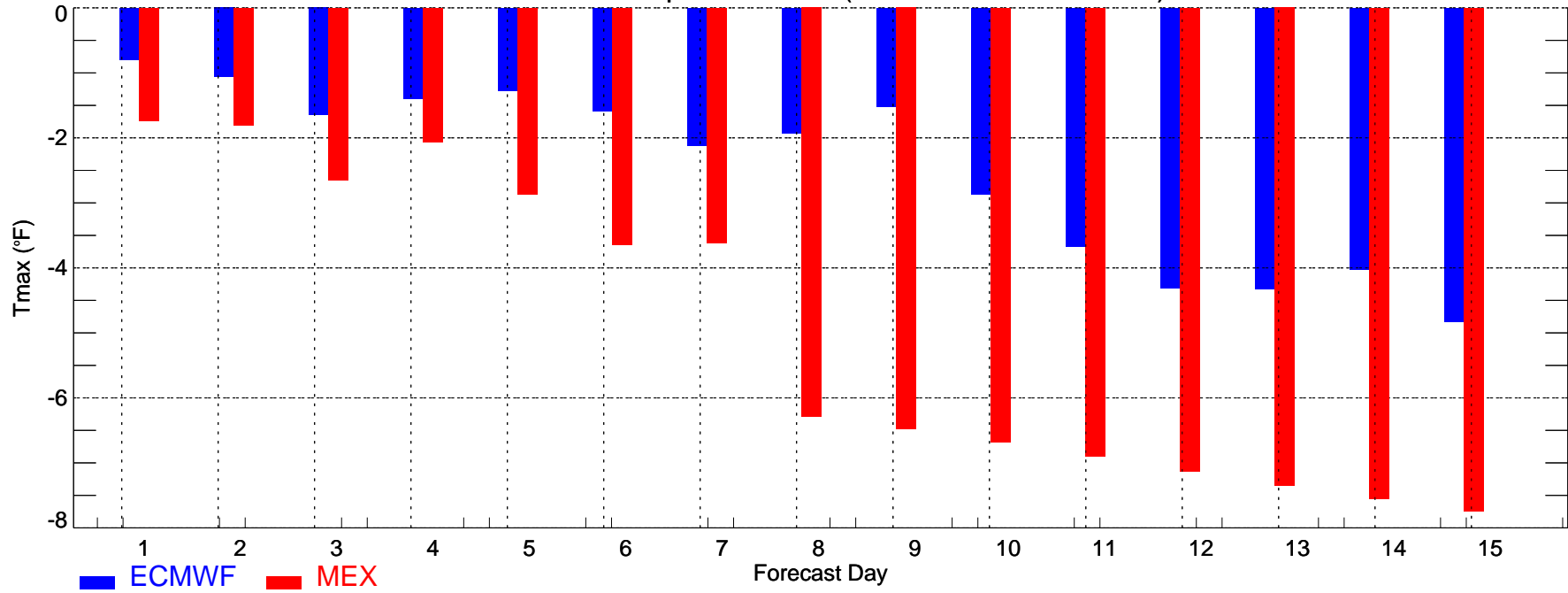
ORD: Max Temperature Bias (2009-05-01\_2009-05-31)



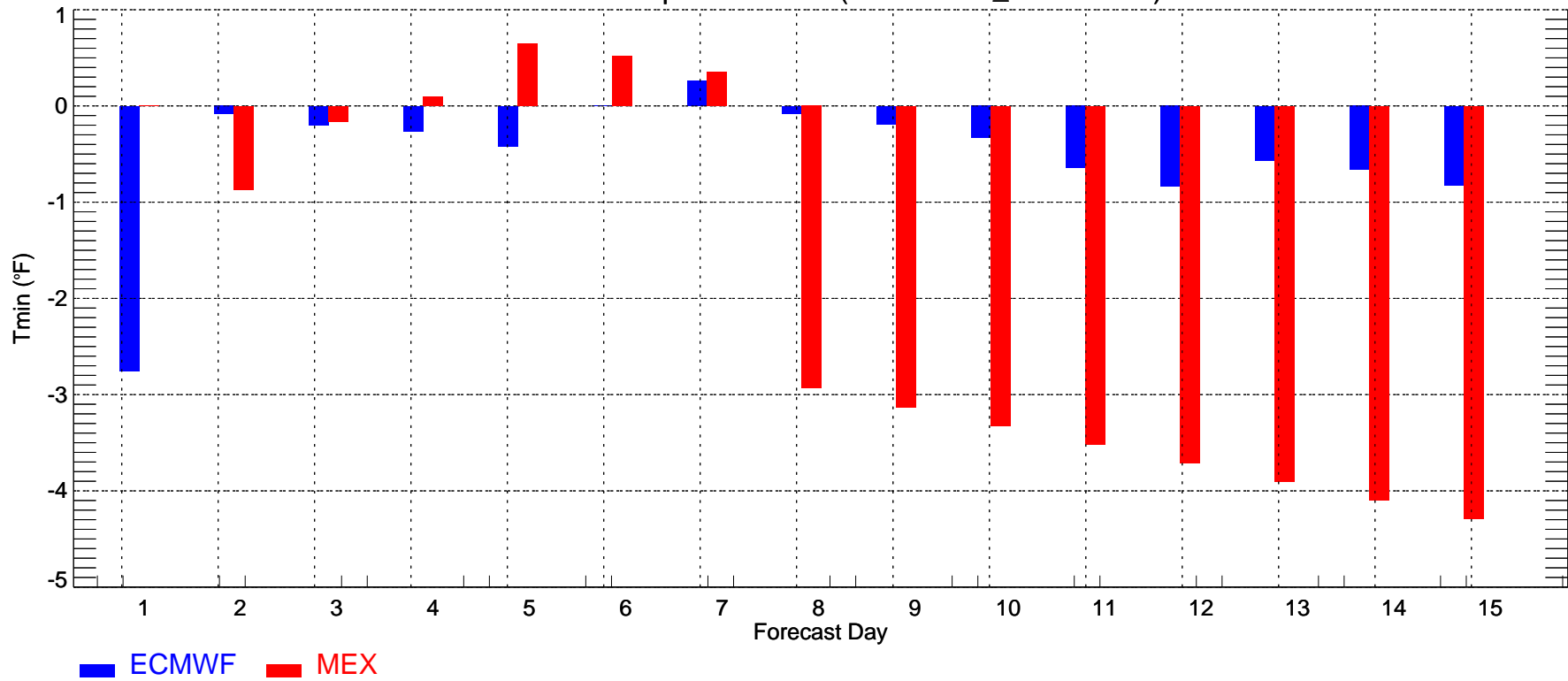
ORD: Min Temperature Bias (2009-05-01\_2009-05-31)



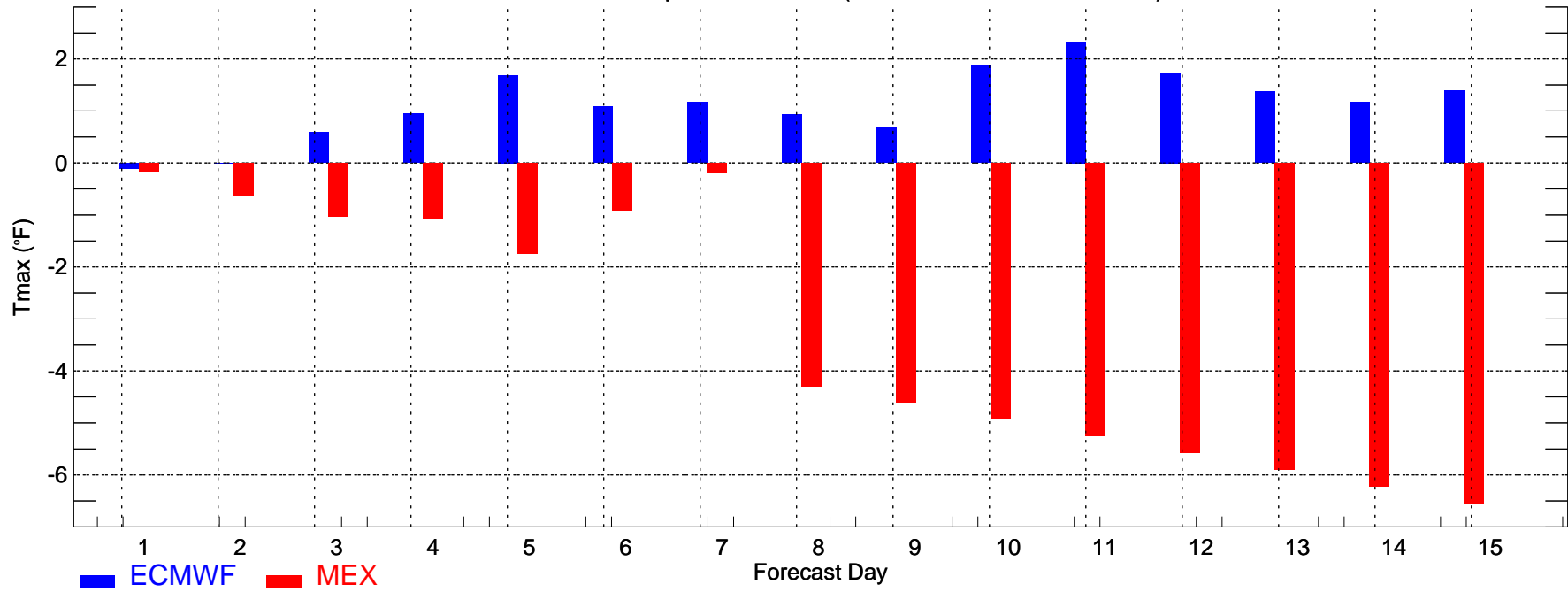
PDX: Max Temperature Bias (2009-05-01\_2009-05-31)



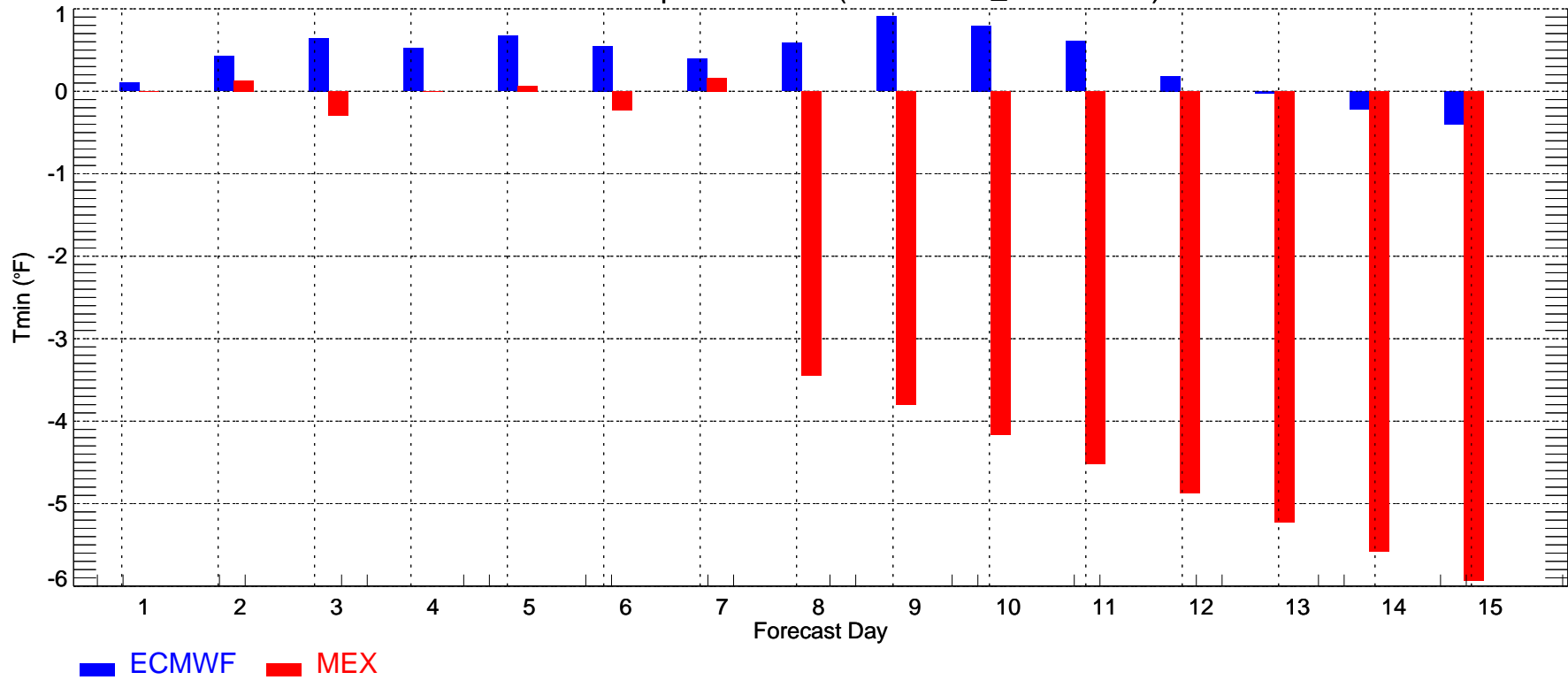
PDX: Min Temperature Bias (2009-05-01\_2009-05-31)



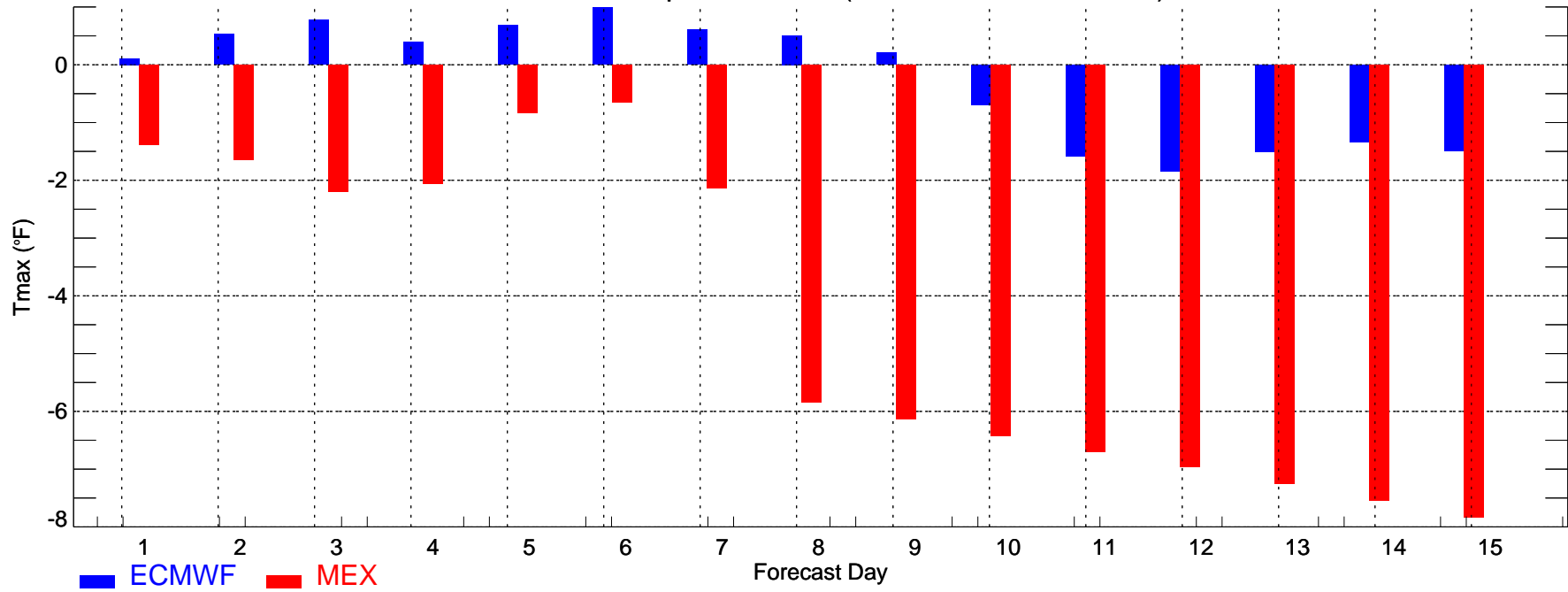
PHL: Max Temperature Bias (2009-05-01\_2009-05-31)



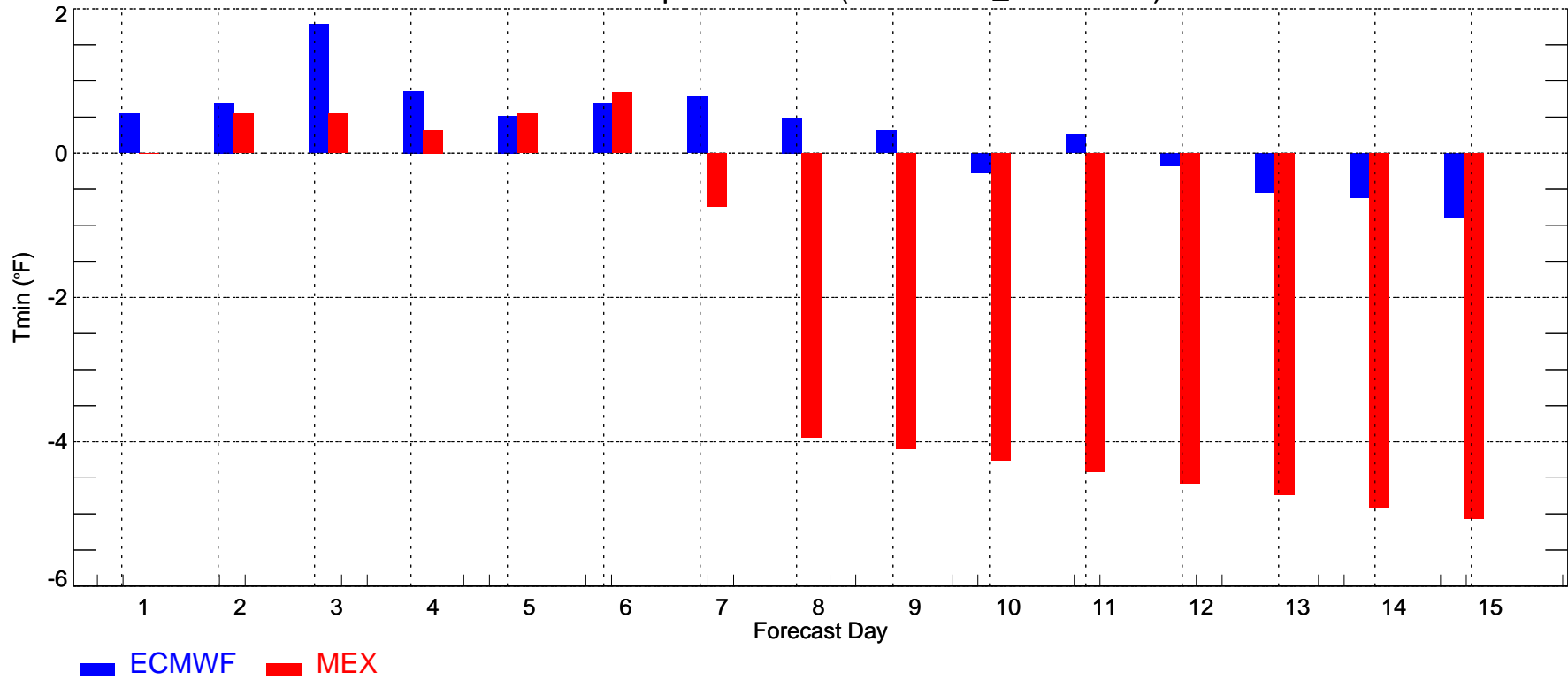
PHL: Min Temperature Bias (2009-05-01\_2009-05-31)



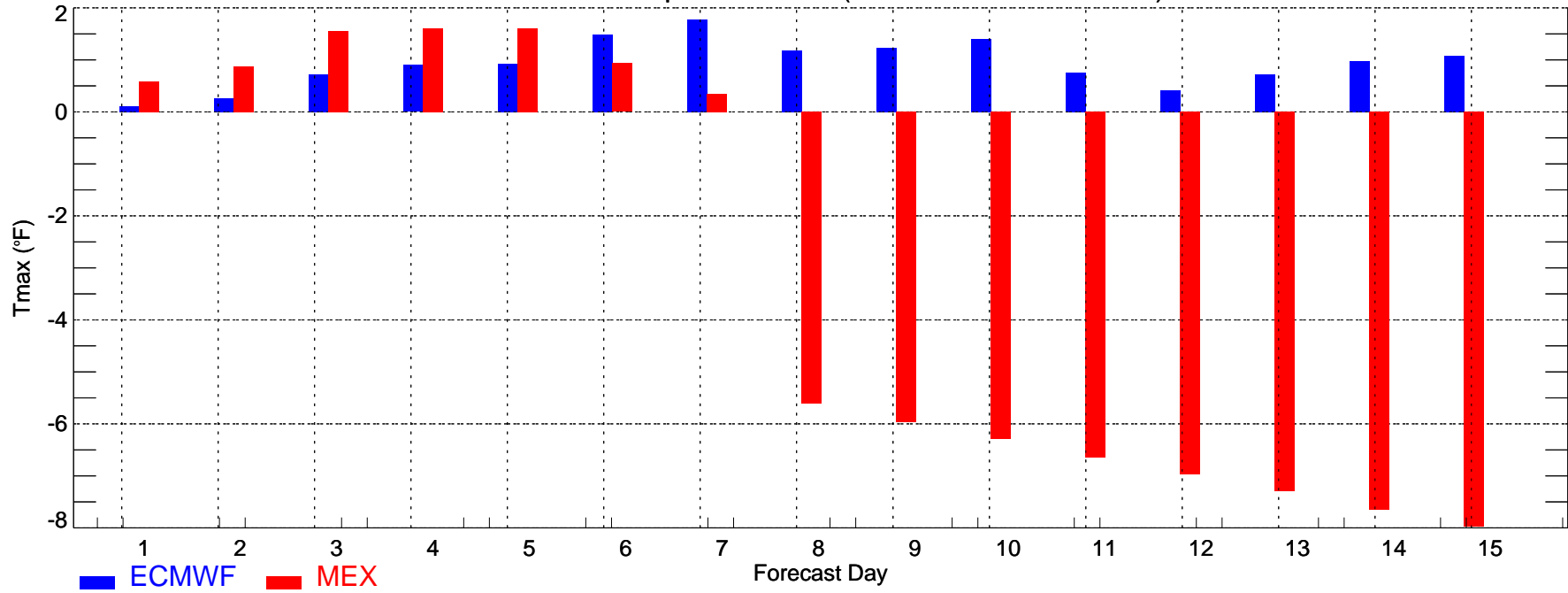
SAC: Max Temperature Bias (2009-05-01\_2009-05-31)



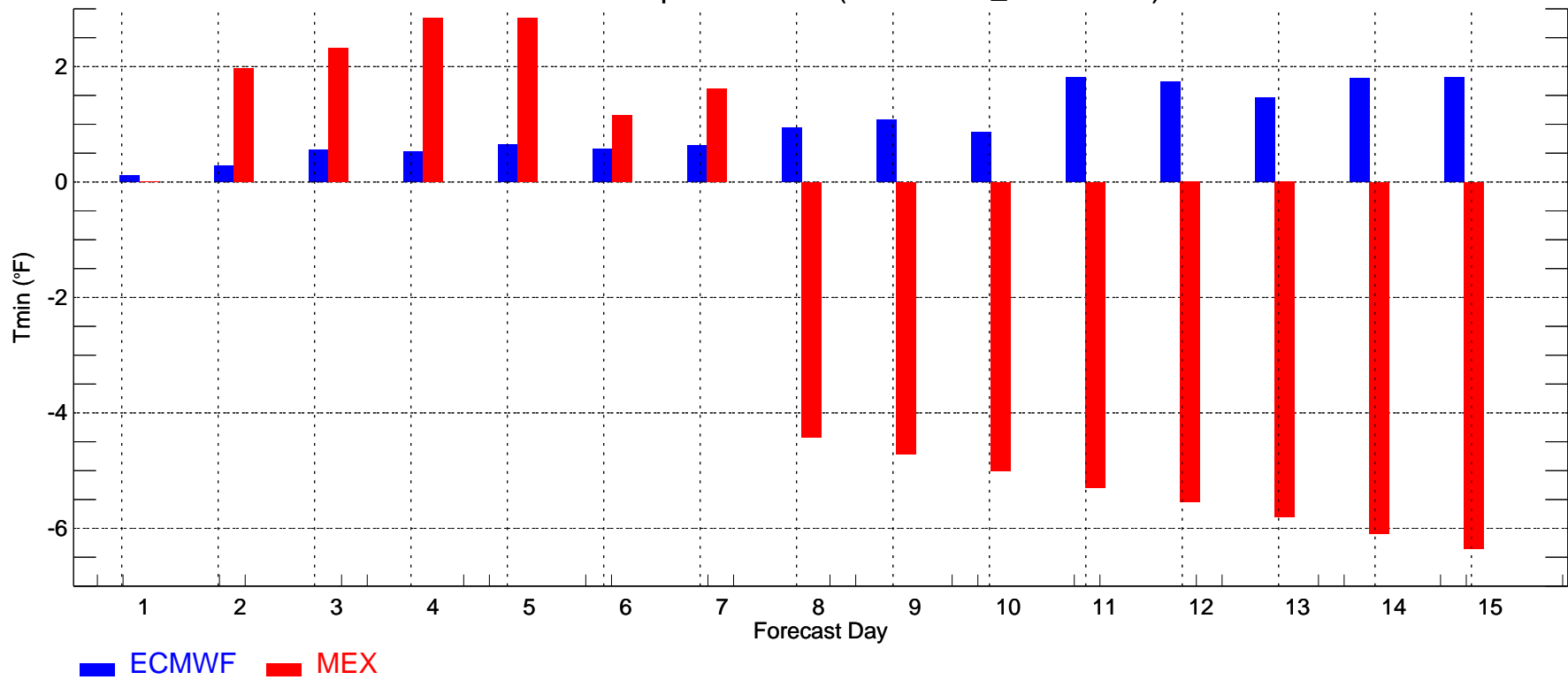
SAC: Min Temperature Bias (2009-05-01\_2009-05-31)



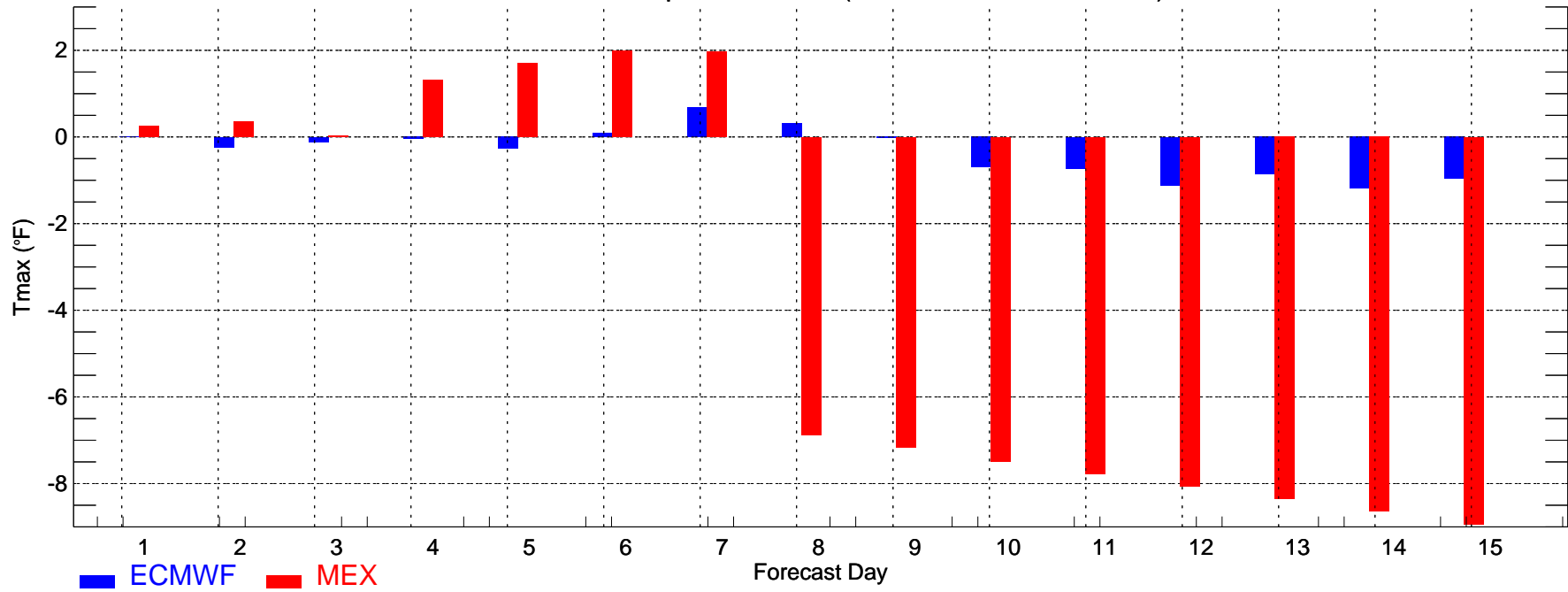
SLC: Max Temperature Bias (2009-05-01\_2009-05-31)



SLC: Min Temperature Bias (2009-05-01\_2009-05-31)



TUS: Max Temperature Bias (2009-05-01\_2009-05-31)



TUS: Min Temperature Bias (2009-05-01\_2009-05-31)

