

# eCast Monthly Customized Report for 2010-12-01 ~ 2010-12-31

January 4, 2011

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# ECMWF/MEX MAX Temperature Regional Summary

## MAE (2010-12-01~2010-12-31)

	S-score	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
CUST1	0.17	2.4/2.6	2.6/2.9	2.8/3.3	3.1/3.8	3.5/4.2	3.9/4.9	4.7/5.4	5.4/7.7	6.1/7.8	6.5/7.9	6.7/8.0	6.8/8.1	6.8/8.2	6.9/8.3	7.1/8.4

## Bias (2010-12-01~2010-12-31)

	avg-bias	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
CUST1	-0.02	0.2/-1.4	0.3/-1.3	0.2/-1.3	0.3/-1.3	0.3/-1.2	0.2/-1.2	0.2/-1.4	0.1/2.2	-0.1/2.5	-0.4/2.7	-0.8/3.0	-0.5/3.2	-0.0/3.5	-0.1/3.8	0.0/4.0

red:  $S < -0.3$       orange:  $-0.3 < S < -0.1$       grey:  $-0.1 < S < 0.1$       green:  $0.1 < S < 0.3$       blue:  $S > 0.3$

S\_score: average of  $(1 - \text{ECMWF-value} / \text{MEX-value})$

red:  $B \geq 4.0$       orange:  $4.0 > B \geq 2.0$       black:  $2.0 > B \geq -2.0$       green:  $-2.0 > B \geq -4.0$       blue:  $B < -4.0$

avg\_bias: average of ECMWF-value

## ECMWF/MEX MIN Temperature Regional Summary

		MAE (2010-12-01~2010-12-31)														
	S-score	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
CUST1	0.08	3.8/0.0	3.6/3.2	3.8/3.4	4.0/3.6	4.0/4.0	4.4/4.4	4.8/5.1	5.5/7.8	6.0/7.8	6.4/7.9	6.7/8.0	6.8/8.2	6.8/8.2	6.9/8.3	7.1/--

		Bias (2010-12-01~2010-12-31)														
	avg-bias	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
CUST1	-0.97	-0.0/0.0	-0.5/-0.5	-0.4/-0.3	-0.7/-0.0	-0.7/-0.2	-0.9/-0.0	-1.2/-0.2	-1.3/1.7	-1.7/1.9	-1.9/2.2	-1.9/2.4	-1.6/2.7	-1.0/2.9	-0.6/3.2	-0.1/--

red: S < -0.3     
 orange: -0.3 < S < -0.1     
 grey: -0.1 < S < 0.1     
 green: 0.1 < S < 0.3     
 blue: S > 0.3

S\_score: average of (1 - ECMWF-value / MEX-value)

red: B >= 4.0     
 orange: 4.0 > B >= 2.0     
 black: 2.0 > B >= -2.0     
 green: -2.0 > B >= -4.0     
 blue: B < -4.0

avg\_bias: average of ECMWF-value

# ECMWF/MEX MAX Temperature in CUST1

	S-score	MAE (2010-12-01~2010-12-31)														
		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
SEA	-0.29	2.4/2.6	2.6/3.8	2.9/3.2	2.8/4.4	3.1/5.0	3.4/4.5	3.7/4.9	4.4/3.8	4.7/3.8	5.6/3.7	6.4/3.6	6.5/3.5	6.8/3.5	7.4/3.4	7.5/3.3
SFO	-0.09	2.0/2.1	2.1/2.2	2.1/2.2	2.2/2.4	2.4/2.3	2.4/2.4	2.4/2.3	2.6/2.4	2.9/2.3	2.5/2.3	2.7/2.3	2.9/2.3	2.8/2.4	2.9/2.6	2.9/2.6
PDX	0.00	3.1/2.5	3.3/3.1	3.2/3.1	3.2/3.5	3.1/3.5	2.9/3.5	3.0/3.1	3.5/3.8	4.1/3.8	4.3/3.8	3.8/4.0	3.8/4.1	4.1/4.1	4.1/4.1	4.3/4.3
DFW	0.08	2.5/2.9	3.0/3.5	3.2/3.9	4.3/5.6	4.5/5.8	5.4/6.3	6.8/7.0	7.4/9.1	8.4/9.2	9.5/9.1	10.0/9.1	10.3/9.1	9.4/9.1	9.0/9.1	8.7/9.2
AUS	0.08	2.4/2.9	3.0/3.1	3.4/3.4	3.4/3.5	4.1/4.8	4.5/5.3	5.2/6.6	6.2/7.9	7.4/7.9	7.6/7.9	8.1/7.9	8.4/7.8	7.6/7.7	7.1/7.8	7.2/7.9
HOU	0.10	2.2/3.1	2.8/2.5	2.8/3.4	2.9/3.2	3.2/3.6	4.0/5.1	4.9/5.5	6.0/8.7	6.9/8.5	7.8/8.6	8.8/8.6	9.0/8.6	8.6/8.5	8.2/8.6	8.2/8.7
IAH	0.14	2.0/3.1	2.5/2.7	2.6/3.4	2.8/3.5	3.1/4.2	4.0/5.0	4.8/5.6	6.0/8.1	6.9/8.3	7.3/8.2	8.3/8.1	8.2/8.1	8.0/8.2	7.6/8.3	7.8/8.2
BOS	0.21	3.0/2.0	2.4/2.4	2.4/2.7	2.3/3.3	3.3/3.9	3.4/4.5	3.7/4.8	3.7/7.8	4.7/8.1	6.0/8.3	5.9/8.5	6.1/8.7	6.5/8.9	6.6/9.1	6.6/9.4
MSP	0.25	2.6/3.6	3.0/3.2	3.1/4.2	4.0/4.4	4.5/4.9	5.4/6.8	6.6/8.1	6.6/8.6	6.5/8.8	6.3/9.0	6.1/9.3	5.7/9.5	6.1/9.8	6.9/10.1	7.6/10.4
ORD	0.28	1.8/1.7	2.0/2.4	2.1/2.6	2.3/3.4	2.9/3.2	4.0/4.9	5.3/5.9	6.2/10.4	6.7/10.6	6.9/10.9	6.9/11.3	6.8/11.6	7.0/12.0	7.6/12.3	7.9/12.7
CVG	0.35	1.9/2.4	2.1/3.0	2.9/3.7	3.6/4.2	4.0/4.5	4.2/5.3	5.4/5.8	7.1/14.1	7.5/14.3	7.4/14.6	7.2/14.9	7.1/15.2	7.6/15.5	8.1/15.8	9.0/16.2

	avg-bias	Bias (2010-12-01~2010-12-31)														
		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
SEA	-2.90	-0.5/-2.5	-0.6/-3.3	-1.0/-3.0	-1.4/-4.3	-1.3/-4.8	-1.5/-4.3	-1.6/-4.5	-2.3/-1.6	-2.7/-1.5	-3.9/-1.3	-4.8/-1.2	-4.9/-1.1	-5.1/-0.9	-5.9/-0.7	-6.1/-0.6
HOU	-1.14	-0.1/-1.8	0.1/-0.9	0.3/-1.0	0.3/-0.3	0.7/0.1	0.4/-1.4	0.6/-2.8	0.6/0.1	0.2/0.3	-2.5/0.5	-4.4/0.7	-4.0/1.0	-3.2/1.2	-3.3/1.4	-2.9/1.6
MSP	-1.08	-0.1/-3.1	-0.1/-2.6	-0.4/-3.7	-0.7/-3.0	-0.9/-2.4	-1.4/-1.6	-2.5/-1.6	-2.2/4.8	-1.8/5.1	-1.4/5.5	-1.3/6.0	-1.2/6.3	-0.8/6.8	-0.6/7.1	-0.7/7.6
PDX	-0.31	0.4/-1.0	1.0/-2.5	0.9/-2.8	0.7/-3.0	0.0/-2.8	-0.3/-2.9	-0.6/-2.2	-1.4/0.0	-2.7/0.2	0.7/0.3	-0.4/0.5	-0.3/0.6	-0.4/0.8	-0.9/1.0	-1.3/1.2
DFW	0.14	0.2/-1.9	0.5/-1.5	1.2/-1.0	1.7/-1.4	2.1/-0.4	1.8/-0.6	1.5/-1.9	1.6/-2.0	0.3/-1.8	-1.8/-1.6	-1.9/-1.3	-1.5/-1.1	-1.3/-0.8	-1.3/-0.5	-1.0/-0.3
BOS	0.36	1.8/-0.8	0.3/0.9	-1.0/1.0	-1.0/1.1	-1.4/-0.3	-0.7/-0.5	-0.7/-0.2	-1.1/5.1	-1.0/5.4	-0.1/5.7	1.1/6.0	1.8/6.4	2.3/6.7	2.7/7.0	2.5/7.4
IAH	0.43	0.3/-2.0	1.0/-1.2	1.3/-1.0	1.4/-0.5	1.8/0.3	1.6/-1.6	2.2/-1.7	2.3/-0.2	1.6/0.0	-0.7/0.2	-2.0/0.5	-1.5/0.6	-1.0/0.9	-1.2/1.1	-0.9/1.3
SFO	0.78	0.2/-0.4	0.1/-0.9	0.2/-0.7	0.3/-0.5	0.1/-0.8	-0.0/-0.5	0.1/-0.2	0.0/0.3	0.3/0.5	1.3/0.6	1.1/0.8	1.5/1.0	2.0/1.1	2.2/1.3	2.1/1.5
ORD	1.01	0.0/0.8	0.2/-1.0	-0.0/-0.3	-0.1/-1.0	-0.3/-0.4	-0.4/0.3	-0.5/-0.0	0.0/7.8	0.9/8.2	1.8/8.5	1.7/8.9	1.9/9.3	3.2/9.7	3.1/10.1	3.4/10.5
AUS	1.24	0.2/-1.6	1.1/-1.0	1.4/-0.8	1.7/-0.8	2.4/-1.3	2.2/-1.0	3.1/-2.6	3.0/-1.5	2.3/-1.4	0.9/-1.1	0.0/-0.9	0.1/-0.7	0.2/-0.4	-0.2/-0.2	0.2/0.0
CVG	1.30	0.3/-1.4	0.1/-0.6	-0.1/-0.5	-0.2/-0.5	0.2/-0.0	0.4/1.1	0.4/2.2	0.3/11.9	0.9/12.2	1.2/12.5	1.5/12.9	1.9/13.2	3.5/13.6	4.2/13.9	4.9/14.3

red: S < -0.3      orange: -0.3 < S < -0.1      grey: -0.1 < S < 0.1      green: 0.1 < S < 0.3      blue: S > 0.3

S\_score: average of (1 - ECMWF-value / MEX-value)

red: B >= 4.0      orange: 4.0 > B >= 2.0      black: 2.0 > B >= -2.0      green: -2.0 > B >= -4.0      blue: B < -4.0

avg\_bias: average of ECMWF-value

# ECMWF/MEX MIN Temperature in CUST1

	S-score	MAE (2010-12-01~2010-12-31)														
		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
CVG	-0.14	5.6/0.0	6.0/3.2	6.3/3.0	6.6/3.2	5.2/4.1	5.7/5.3	6.7/5.7	8.7/10.7	9.2/10.9	9.3/11.2	8.7/11.3	8.8/11.6	8.2/11.9	8.0/12.0	8.3/--
HOU	-0.09	5.3/0.0	5.1/3.2	5.4/3.4	5.5/4.1	6.0/4.0	6.1/4.4	5.8/6.0	6.3/9.4	6.9/9.4	7.6/9.5	8.4/9.7	8.6/9.7	8.8/9.7	8.9/9.8	9.3/--
SFO	-0.07	2.8/0.0	2.7/1.9	2.9/2.5	3.1/2.6	3.3/2.7	3.8/3.1	4.3/3.2	4.7/5.3	5.3/5.1	4.7/5.0	4.2/5.0	4.4/5.0	4.6/4.9	4.4/4.7	4.4/--
AUS	0.01	6.0/0.0	5.4/3.5	5.7/3.6	5.6/3.8	5.6/4.7	6.4/5.5	6.4/6.8	7.5/11.8	7.5/11.9	7.9/12.0	9.0/12.1	9.2/12.2	9.4/12.3	9.5/12.5	9.9/--
SEA	0.09	2.4/0.0	2.4/3.5	2.3/3.8	2.2/3.3	2.1/3.4	2.6/3.2	2.4/3.9	2.9/4.1	3.1/4.0	4.4/4.0	5.0/4.0	5.2/4.0	5.5/4.0	5.5/4.1	5.7/--
ORD	0.11	4.1/0.0	3.5/2.9	3.9/3.3	3.9/3.6	4.4/3.8	4.8/4.4	5.9/5.4	6.9/10.0	7.4/10.4	7.3/10.6	7.3/10.9	7.5/11.2	7.6/11.4	7.6/11.7	8.5/--
MSP	0.12	4.3/0.0	4.5/5.1	4.6/5.0	5.7/5.5	5.8/6.2	6.1/6.0	6.9/6.5	6.6/7.5	6.5/7.7	6.4/7.9	6.3/8.1	6.2/8.4	6.6/8.5	6.9/8.8	6.9/--
PDX	0.13	5.1/0.0	3.0/3.2	3.3/3.2	3.3/2.9	2.6/3.1	2.3/3.2	2.3/3.7	2.8/4.2	3.0/4.1	2.9/4.0	3.3/3.9	3.4/3.8	3.7/3.7	4.2/3.7	3.8/--
BOS	0.15	2.5/0.0	2.2/2.9	2.4/3.7	3.0/3.5	3.2/3.4	3.6/2.6	3.7/3.0	3.4/5.6	4.4/5.8	5.2/6.0	4.8/6.2	4.5/6.5	4.8/6.7	5.1/6.9	5.2/--
DFW	0.17	1.8/0.0	2.0/2.7	2.2/3.2	2.2/3.8	3.0/4.1	3.6/5.5	4.0/5.4	5.2/6.8	6.1/6.7	6.7/6.7	7.6/6.9	7.2/7.0	6.7/7.0	6.2/7.0	6.5/--
IAH	0.17	2.5/0.0	3.1/3.1	3.2/2.9	3.2/3.6	3.1/4.1	3.9/5.0	4.5/6.6	5.5/9.9	6.6/10.0	7.5/10.2	8.9/10.2	9.4/10.2	8.9/10.3	9.1/10.4	9.7/--

	avg-bias	Bias (2010-12-01~2010-12-31)														
		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
CVG	-4.15	-2.1/0.0	-3.3/-0.2	-3.7/0.0	-4.8/0.4	-4.0/0.3	-3.9/1.2	-4.7/2.5	-5.7/8.4	-5.7/8.7	-6.1/9.0	-5.2/9.3	-5.0/9.6	-3.4/9.9	-2.6/10.3	-2.1/--
MSP	-3.53	-0.6/0.0	-0.9/-3.5	-1.3/-3.2	-2.7/-3.3	-2.6/-2.8	-3.2/-1.8	-3.8/-0.1	-4.2/1.7	-4.8/2.1	-5.5/2.5	-5.1/3.0	-4.7/3.4	-5.1/3.9	-4.7/4.3	-3.7/--
SEA	-1.54	-0.0/0.0	-0.4/-2.8	-0.4/-3.1	-0.0/-2.6	-0.4/-2.5	-0.5/-2.7	-0.3/-3.0	-0.7/-2.0	-1.3/-1.9	-2.7/-1.8	-3.1/-1.6	-3.2/-1.5	-3.2/-1.5	-3.3/-1.4	-3.6/--
ORD	-1.33	-0.7/0.0	-0.9/1.6	-0.9/1.3	-1.6/1.0	-1.9/0.4	-2.4/1.2	-2.6/0.9	-2.7/6.7	-2.1/7.0	-1.9/7.4	-1.9/7.8	-1.1/8.1	-0.3/8.5	-0.1/8.9	1.1/--
HOU	-1.02	-1.5/0.0	-1.5/0.2	-1.4/0.6	-1.2/1.4	-1.1/0.7	-2.0/0.5	-1.6/-0.8	-1.3/0.3	-2.3/0.5	-1.5/0.6	-1.3/0.8	-0.9/1.0	0.2/1.2	0.7/1.5	1.3/--
IAH	-0.81	-0.5/0.0	-0.4/0.6	-0.0/0.5	-0.2/1.2	-0.4/0.9	-0.9/1.0	-1.3/-0.3	-1.3/-0.8	-1.2/-0.6	-1.0/-0.4	-1.7/-0.2	-2.2/0.0	-1.2/0.3	-0.6/0.5	0.7/--
SFO	-0.69	-0.3/0.0	-0.4/-0.9	-0.6/-0.9	-0.6/-0.8	-0.5/-0.9	-0.5/-1.0	-0.5/-0.7	-0.7/-3.9	-1.3/-3.8	-1.1/-3.6	-1.0/-3.5	-0.6/-3.3	-0.8/-3.2	-0.7/-3.1	-0.9/--
DFW	-0.56	-0.2/0.0	-0.0/-1.3	0.1/-0.5	0.0/0.4	0.2/0.7	0.6/0.9	0.3/-0.1	-0.1/-0.3	-1.1/-0.0	-1.4/0.2	-2.5/0.5	-1.6/0.7	-1.0/1.0	-1.3/1.2	-0.3/--
AUS	0.59	-0.2/0.0	-0.0/1.5	0.5/1.8	0.4/2.1	0.2/1.7	0.5/2.1	0.3/0.9	1.2/7.2	0.1/7.4	-0.1/7.6	-0.4/7.9	0.1/8.1	1.5/8.4	1.9/8.6	2.8/--
PDX	0.98	5.0/0.0	1.9/-2.4	1.9/-2.4	1.7/-1.9	1.2/-2.5	0.7/-2.4	0.1/-2.6	-0.3/-2.5	-0.8/-2.3	0.3/-2.2	0.3/-2.0	0.4/-1.8	0.5/-1.7	1.3/-1.5	0.5/--
BOS	1.41	1.1/0.0	1.0/1.2	1.1/2.5	1.4/2.1	1.5/2.0	1.4/0.9	1.1/1.0	1.5/3.7	1.3/4.0	0.2/4.4	0.8/4.7	1.6/5.0	2.1/5.4	2.5/5.7	2.6/--

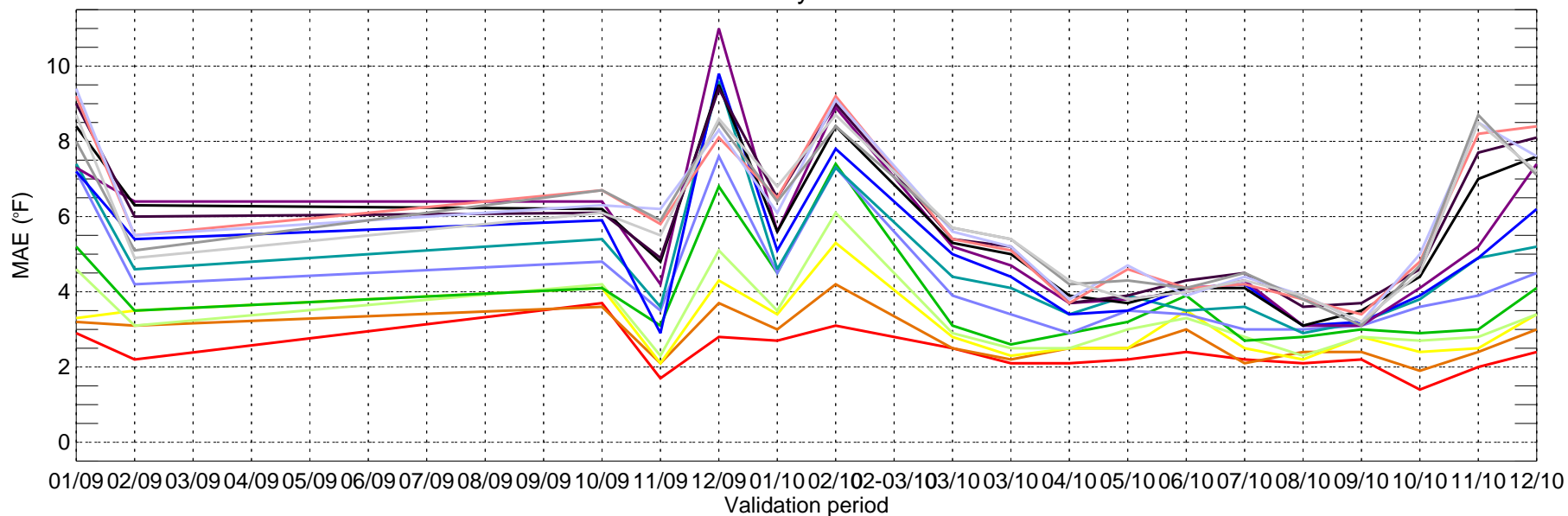
red: S < -0.3      orange: -0.3 < S < -0.1      grey: -0.1 < S < 0.1      green: 0.1 < S < 0.3      blue: S > 0.3

S\_score: average of (1 - ECMWF-value / MEX-value)

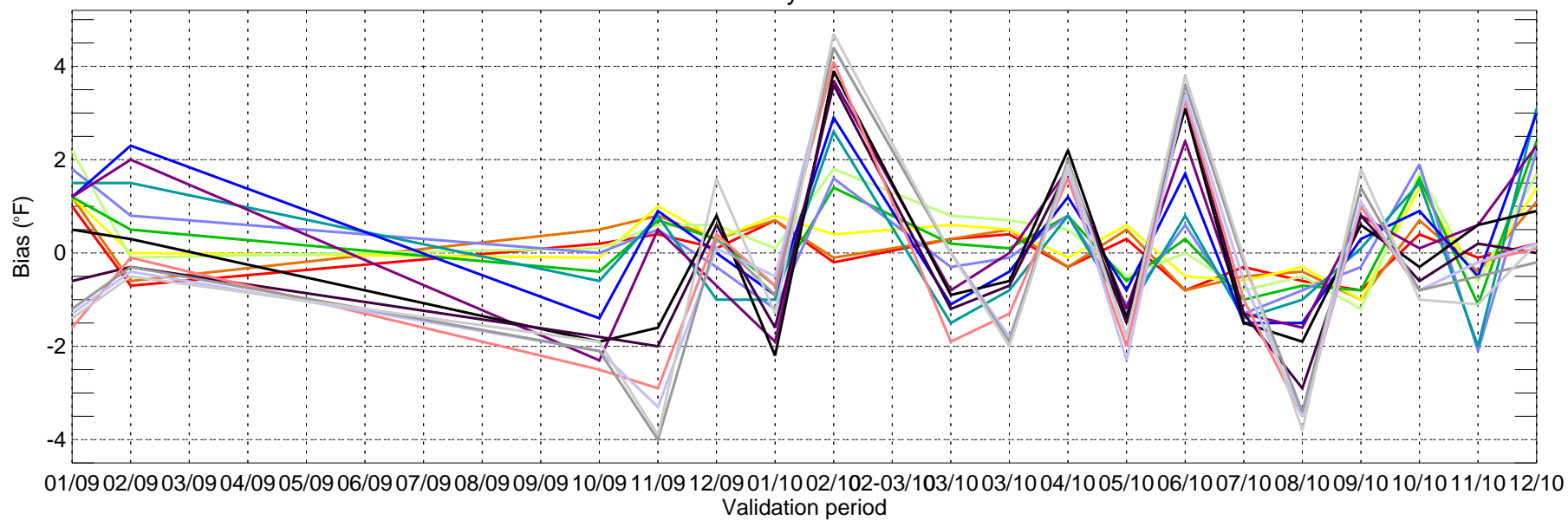
red: B >= 4.0      orange: 4.0 > B >= 2.0      black: 2.0 > B >= -2.0      green: -2.0 > B >= -4.0      blue: B < -4.0

avg\_bias: average of ECMWF-value

AUS: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

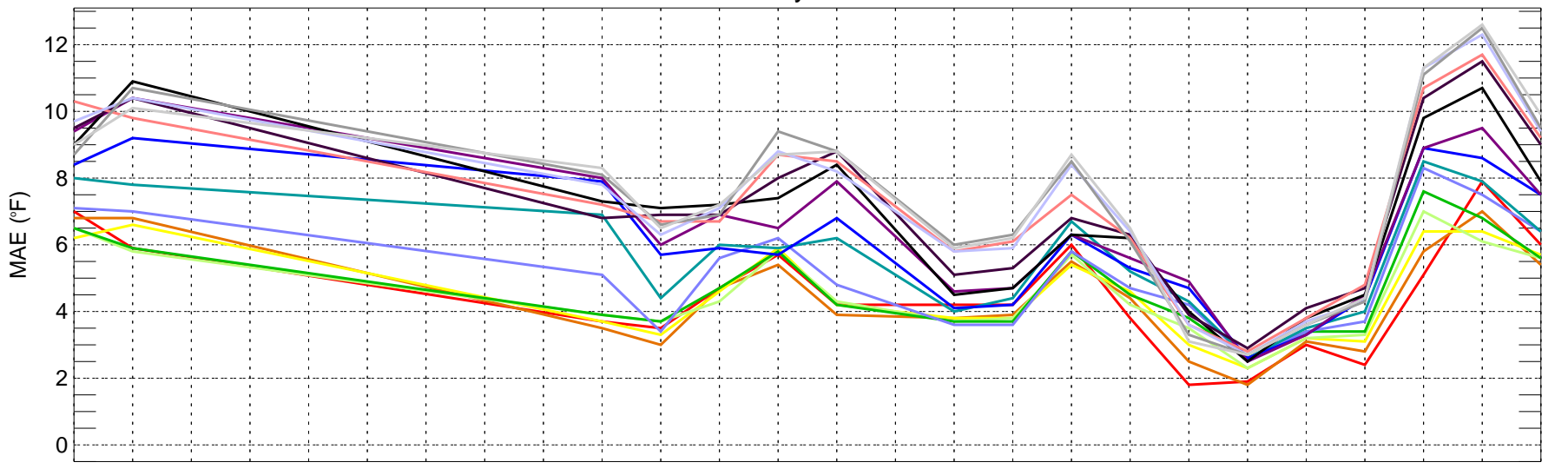


AUS: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



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

AUS: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

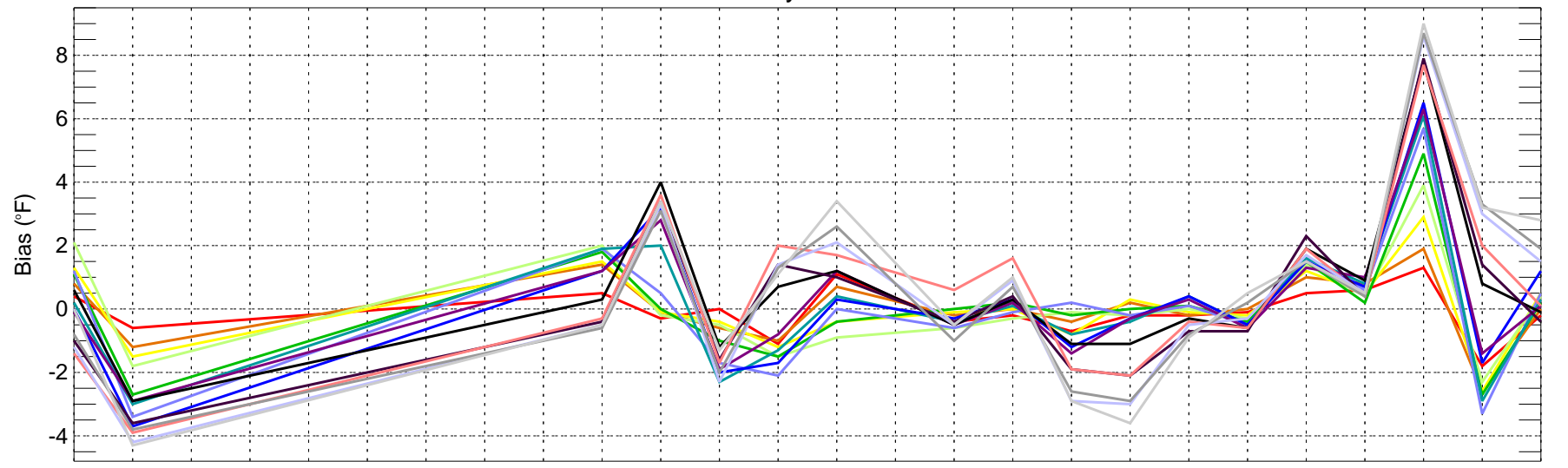


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

Validation period

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

AUS: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

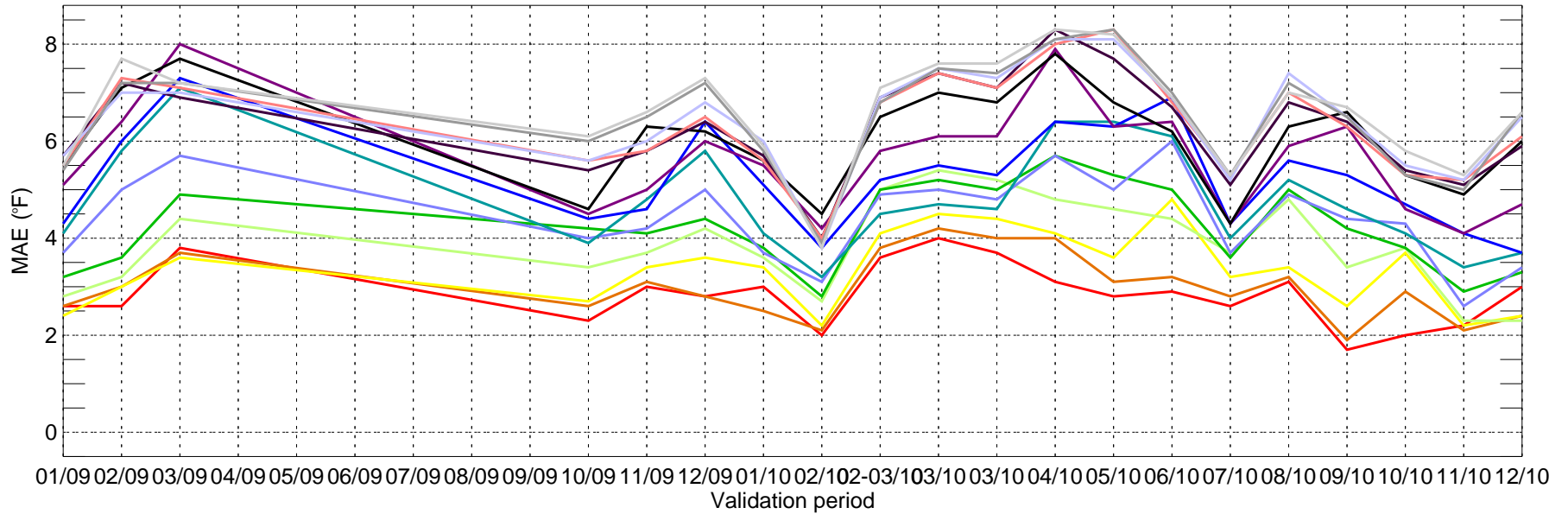


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Validation period

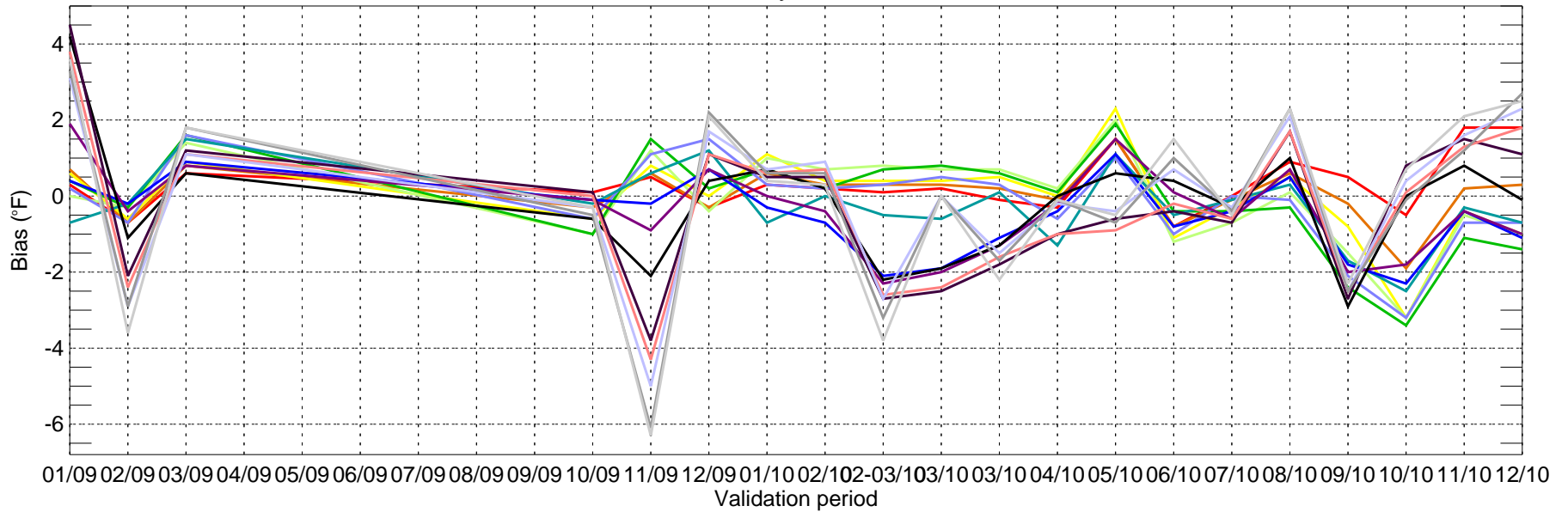
■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
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BOS: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



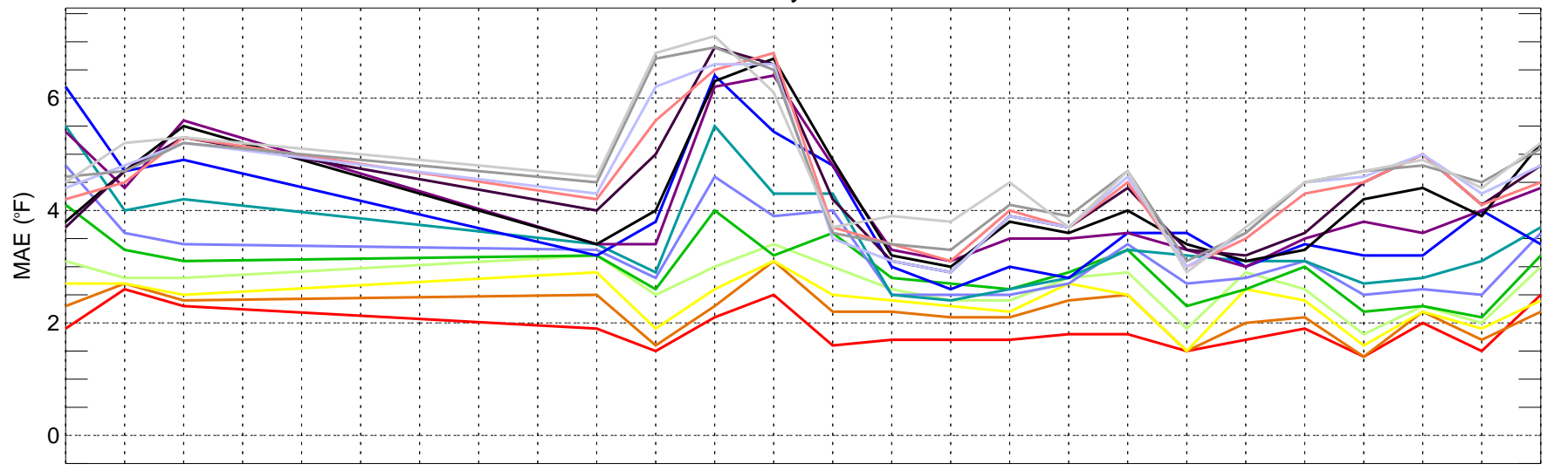
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BOS: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



- day1
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BOS: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

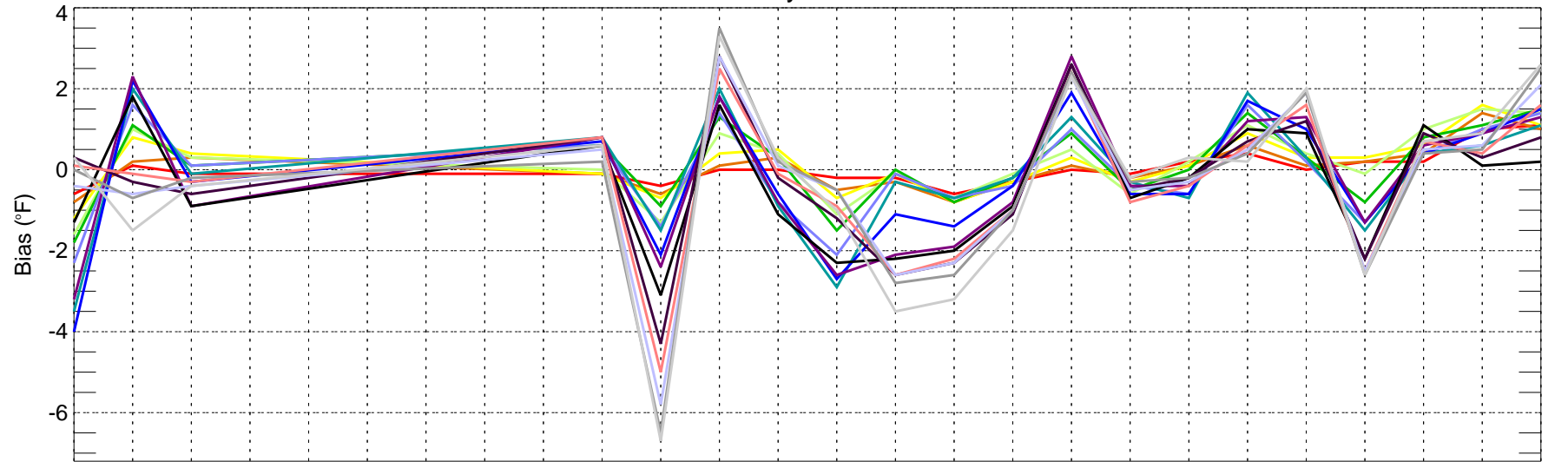


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

Validation period

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BOS: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

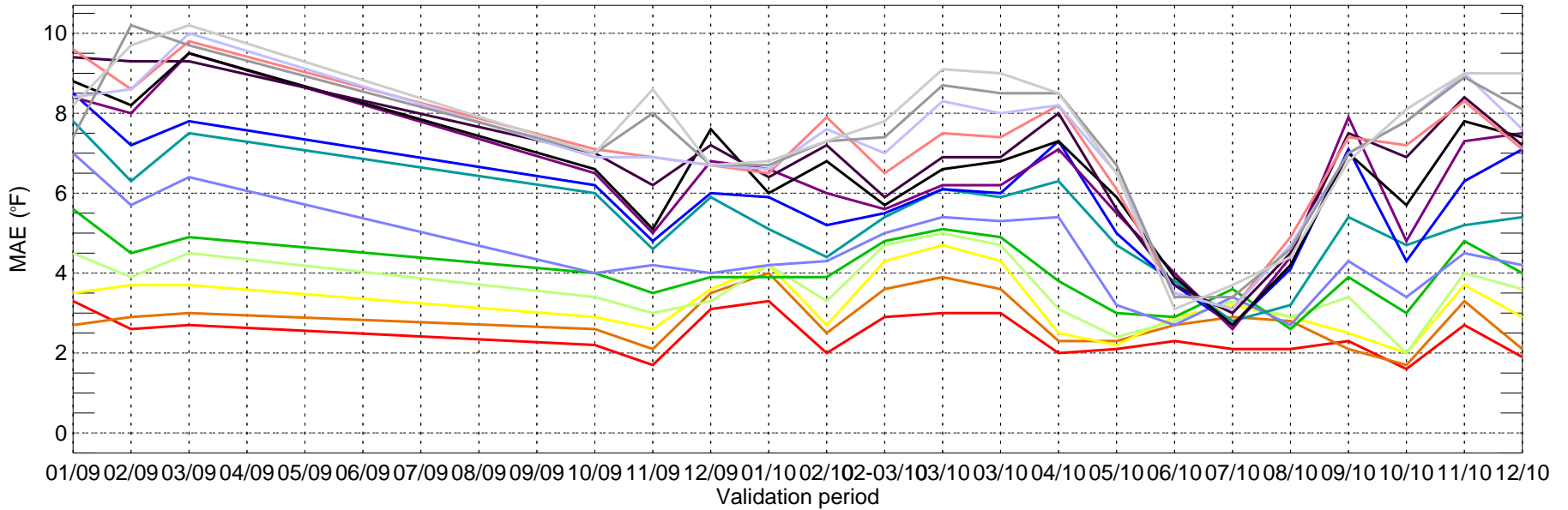


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

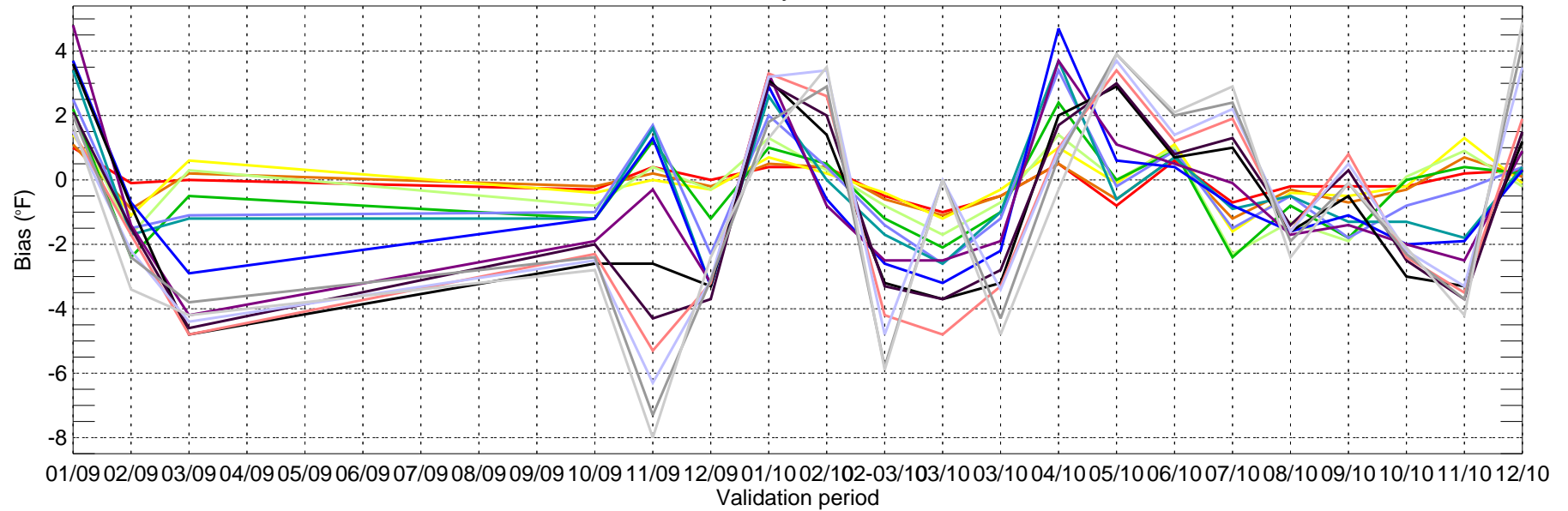
Validation period

- day1
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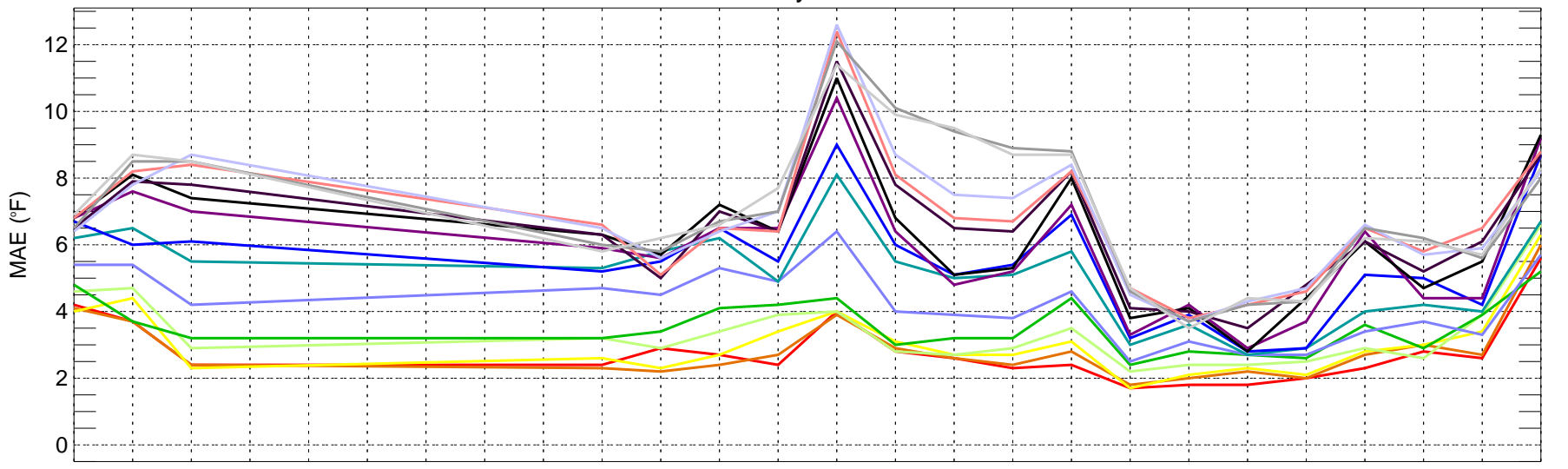
CVG: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



CVG: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



CVG: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

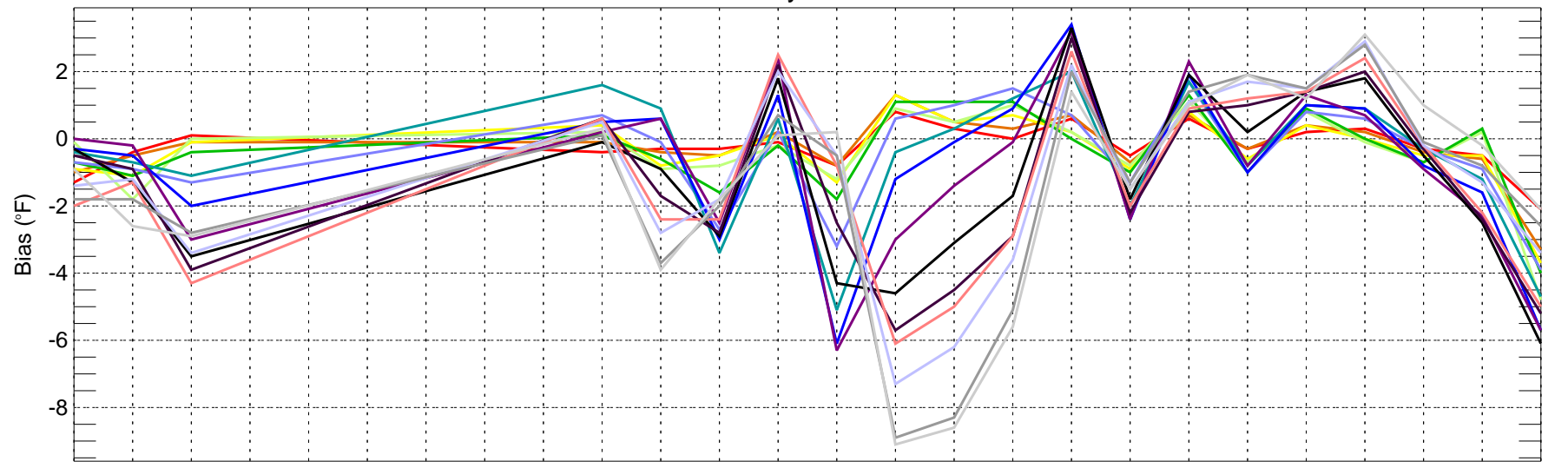


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

Validation period

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

CVG: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

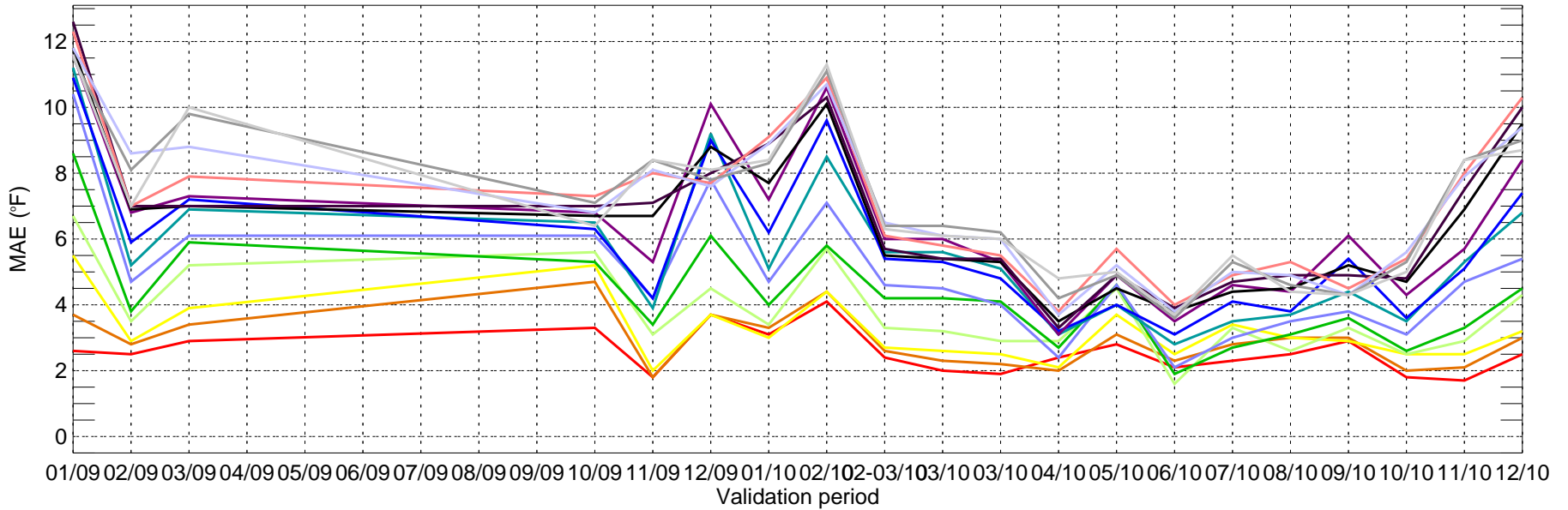


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

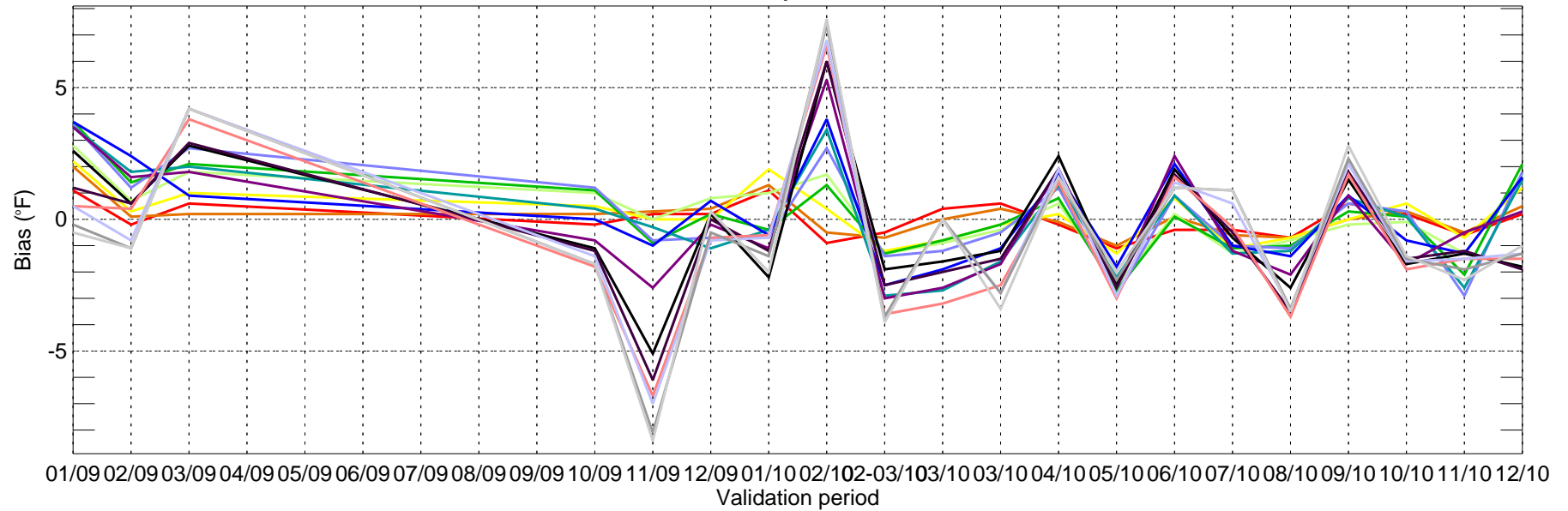
Validation period

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

DFW: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

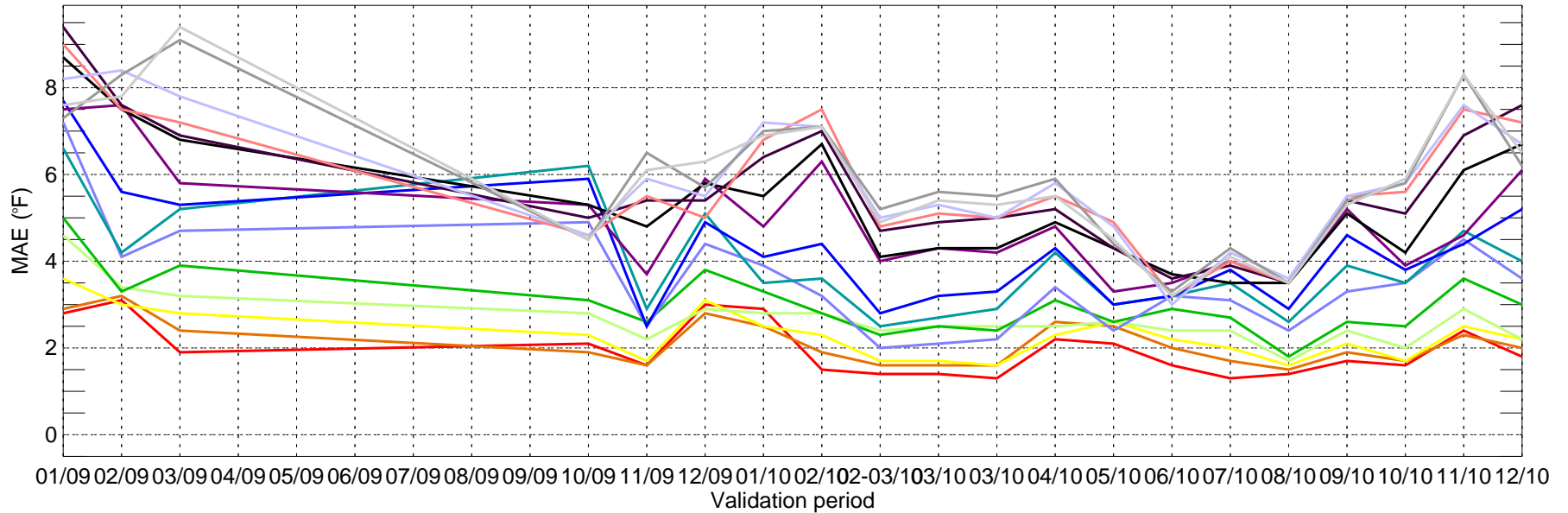


DFW: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31

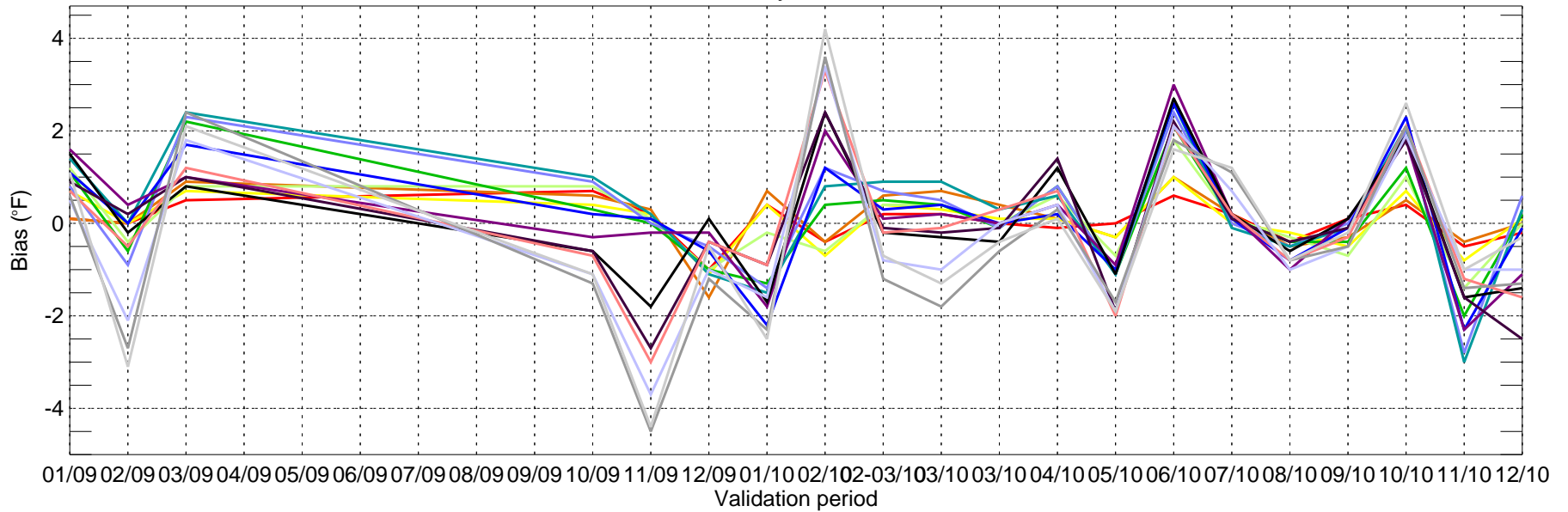


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DFW: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

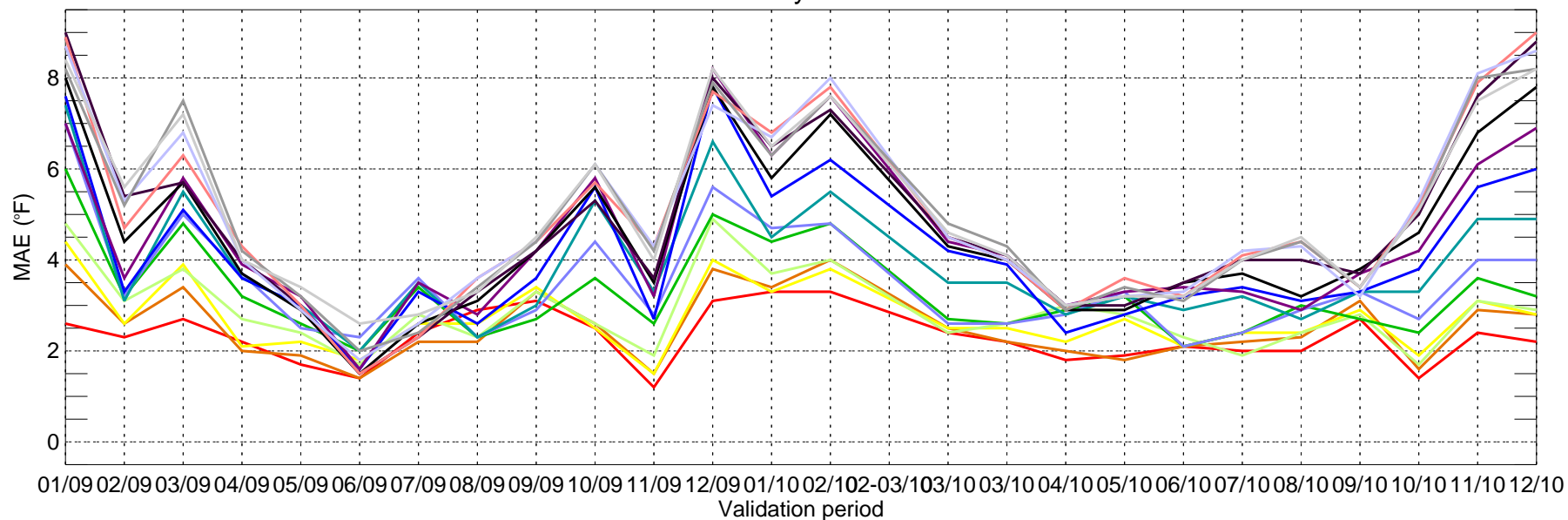


DFW: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31



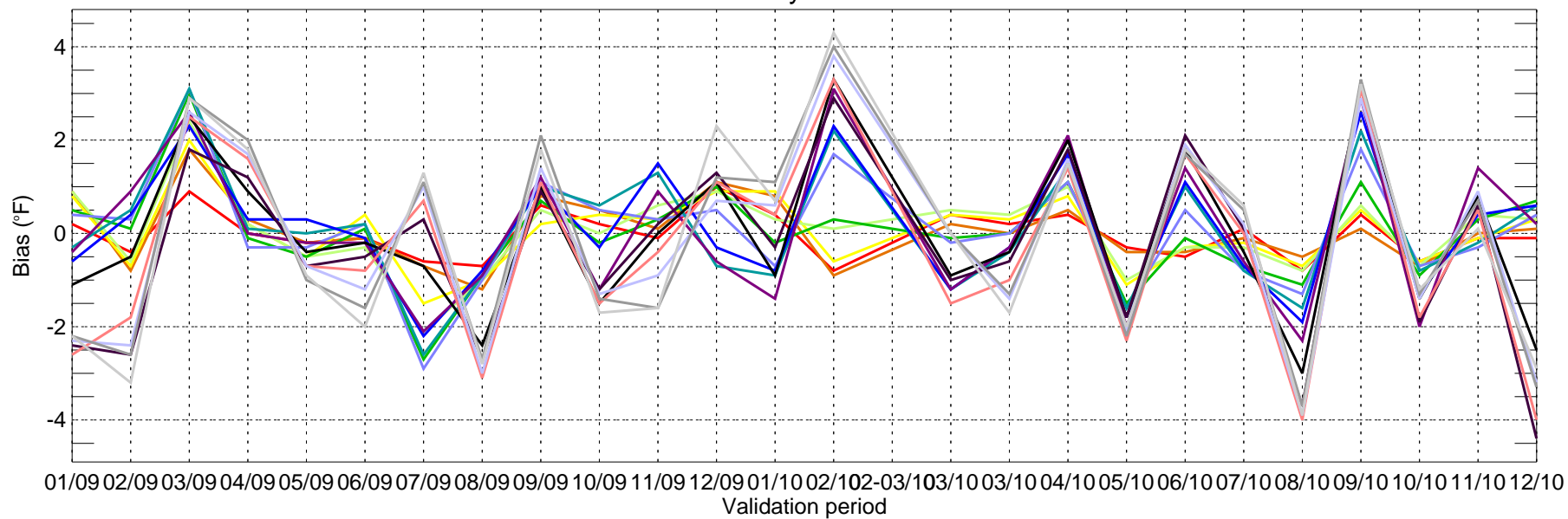
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HOU: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



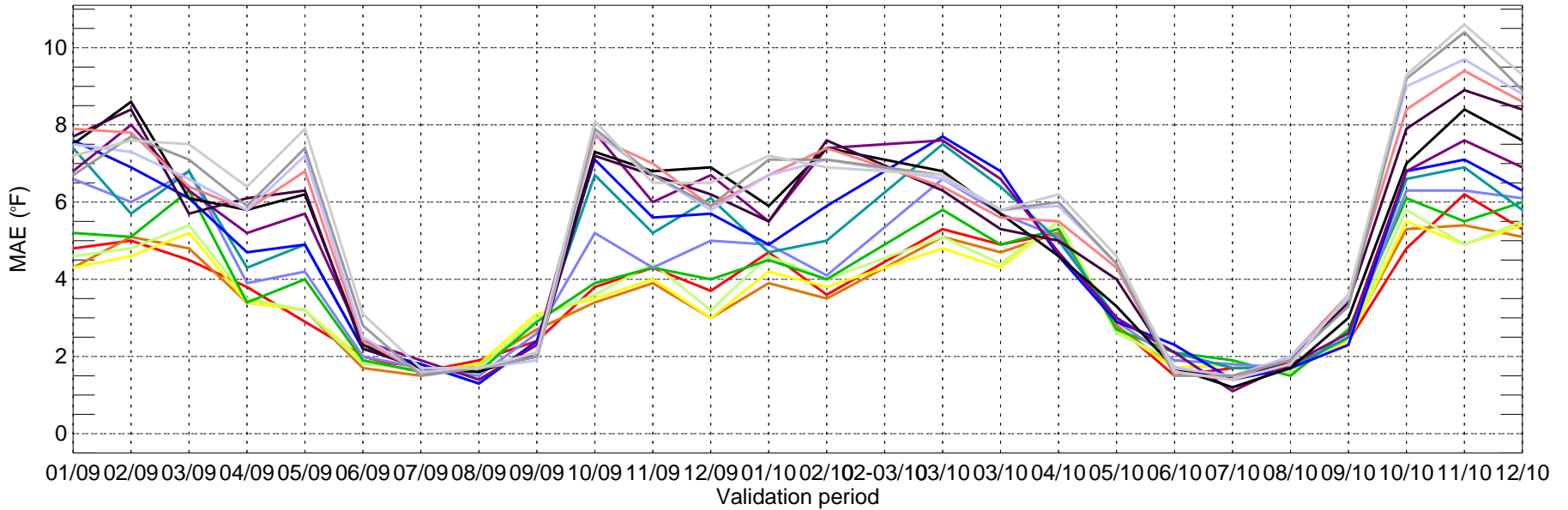
day1 day2 day3 day4 day5 day6 day7 day8 day9 day10  
day11 day12 day13 day14 day15

HOU: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31

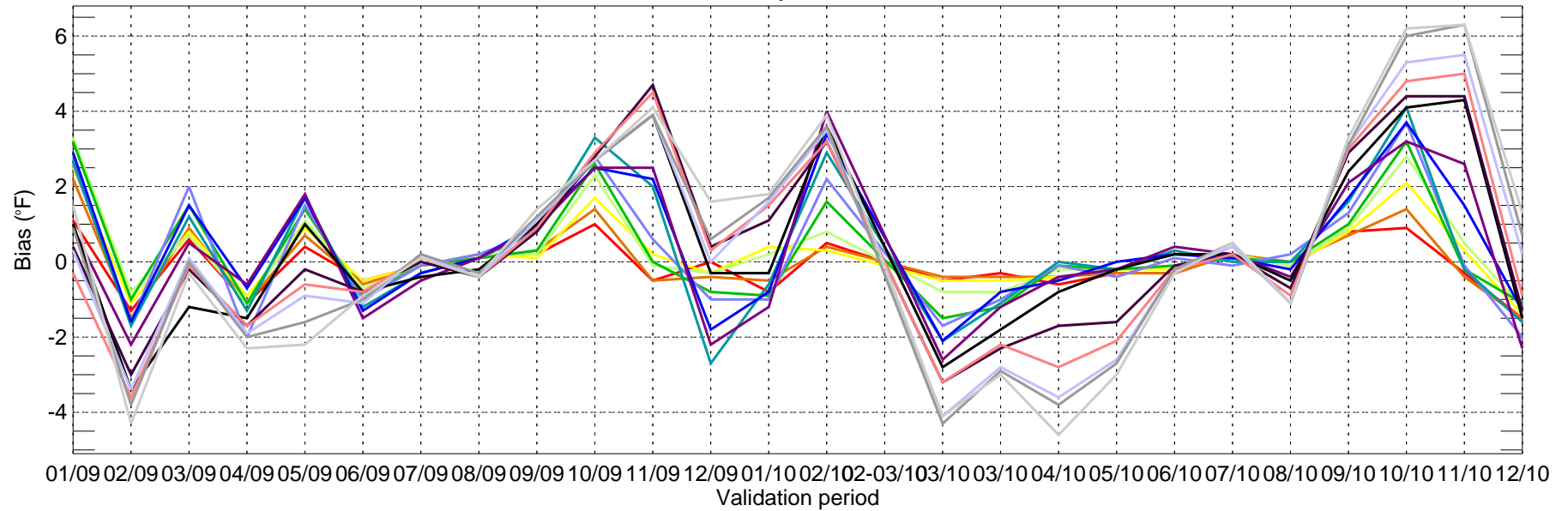


day1 day2 day3 day4 day5 day6 day7 day8 day9 day10  
day11 day12 day13 day14 day15

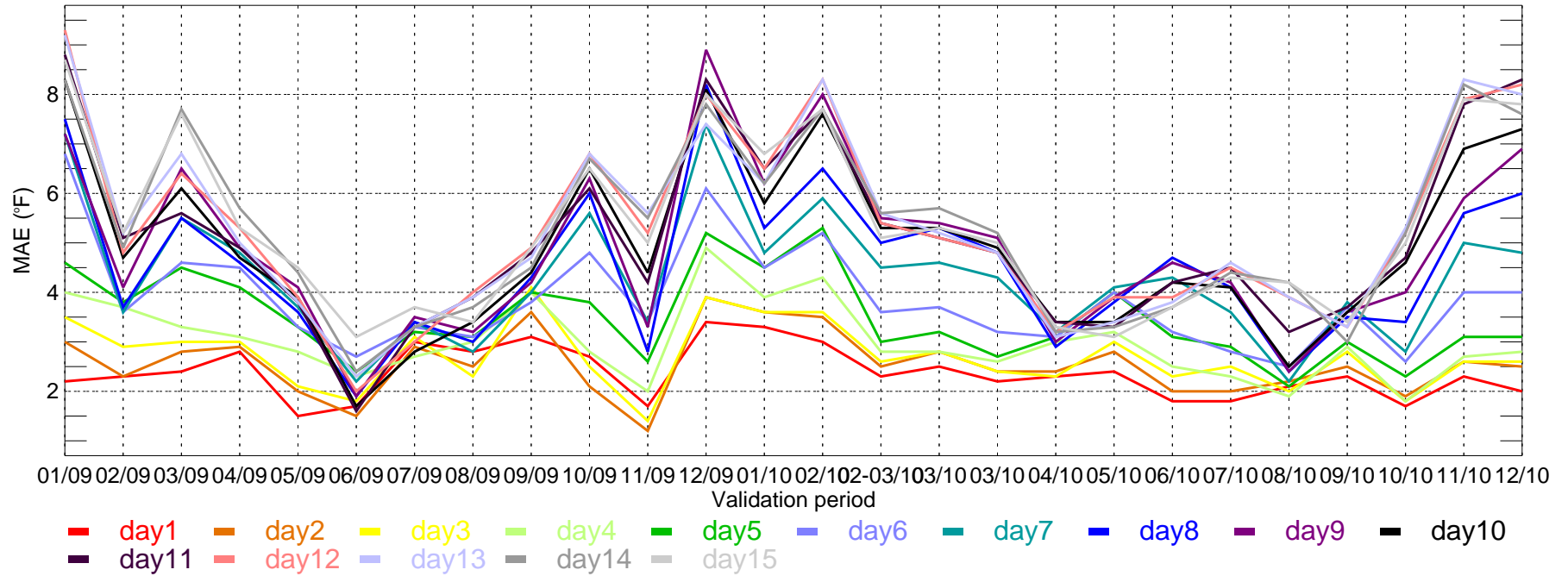
HOU: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



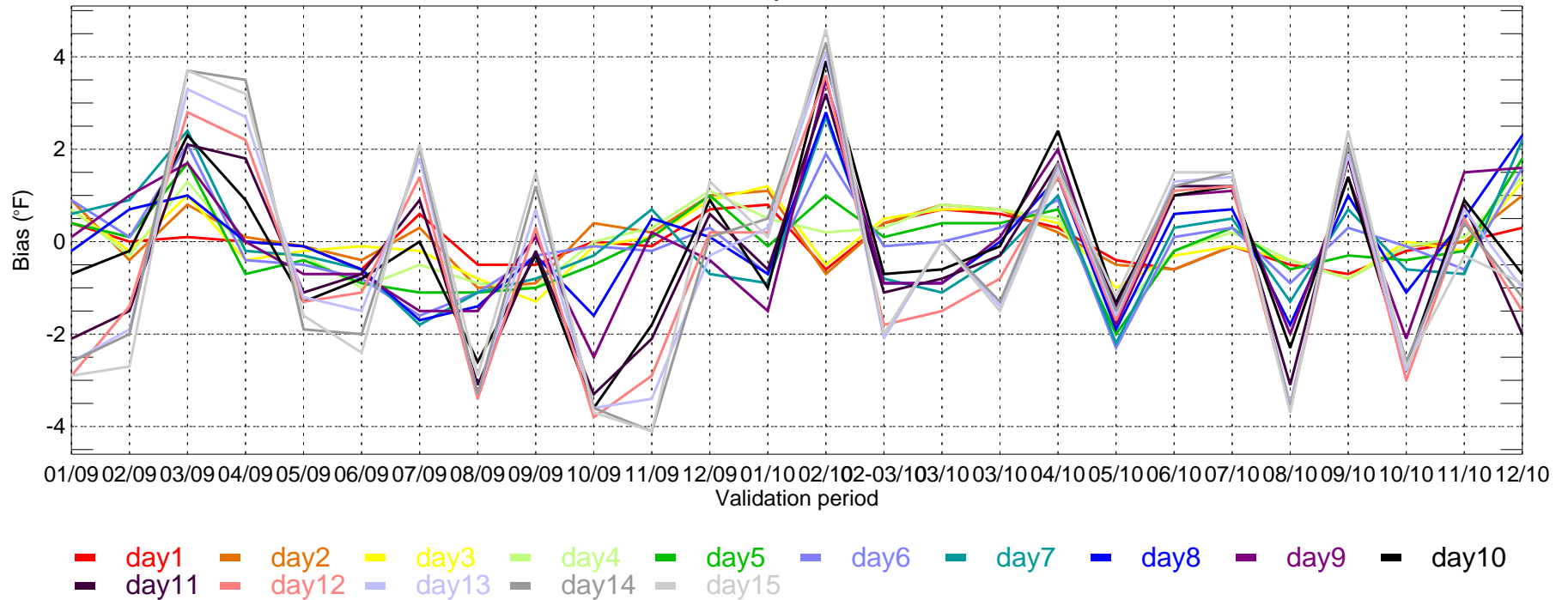
HOU: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31



IAH: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

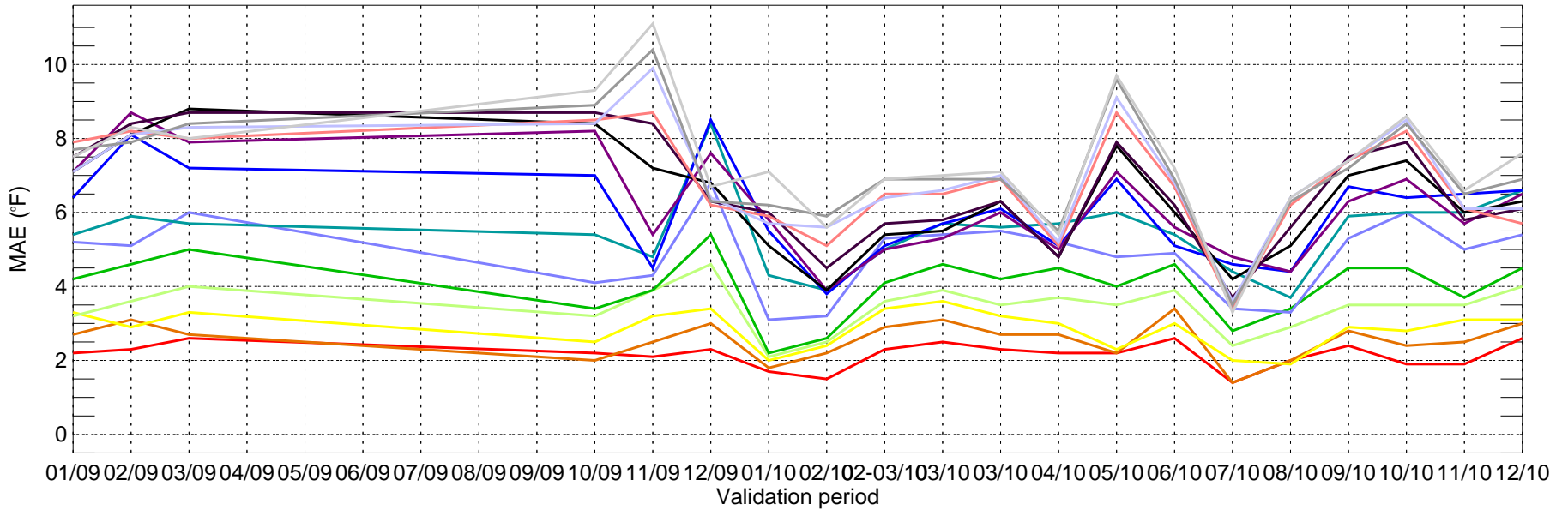


IAH: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



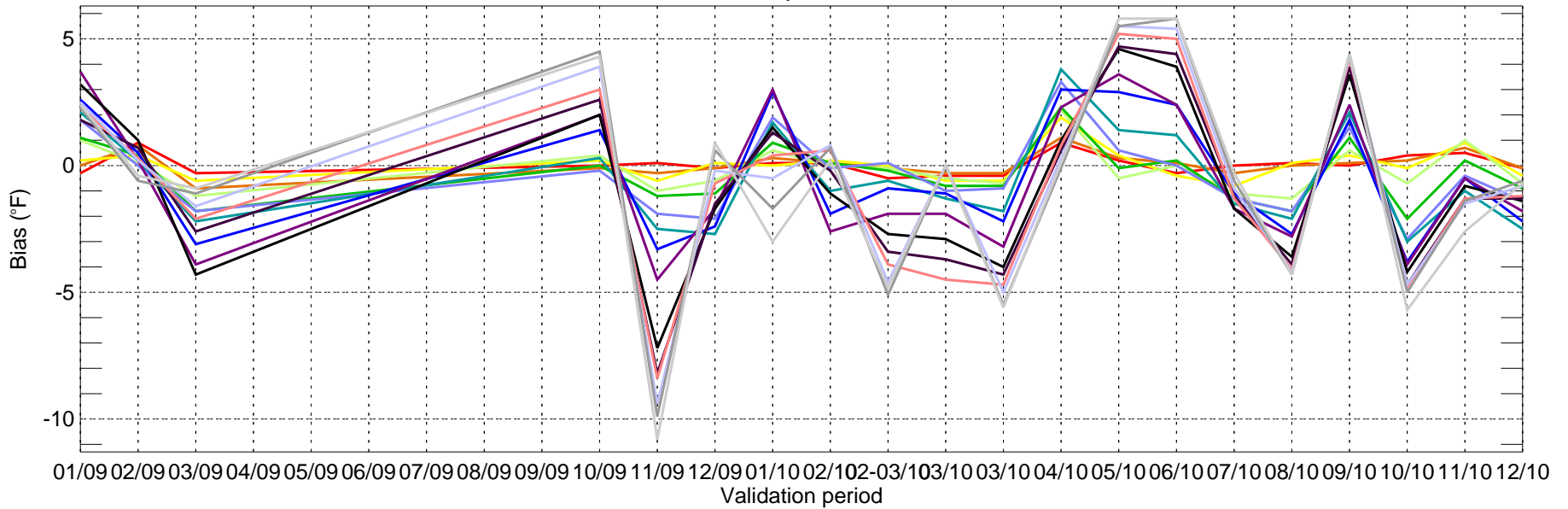


MSP: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



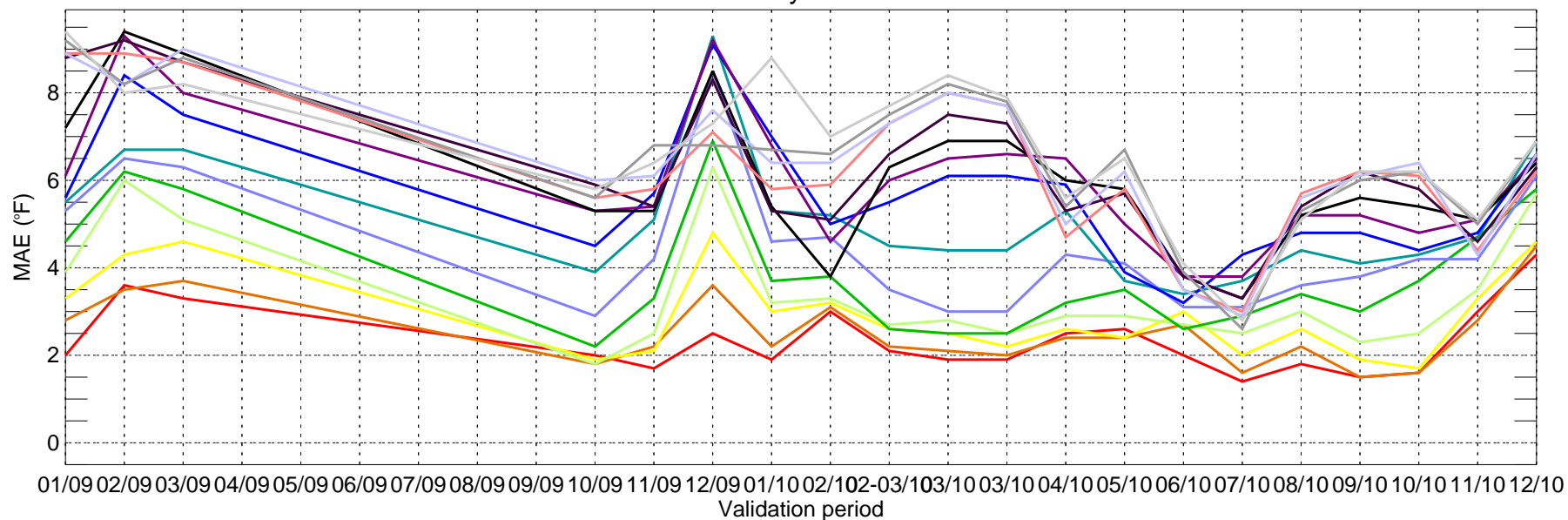
■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
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MSP: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31

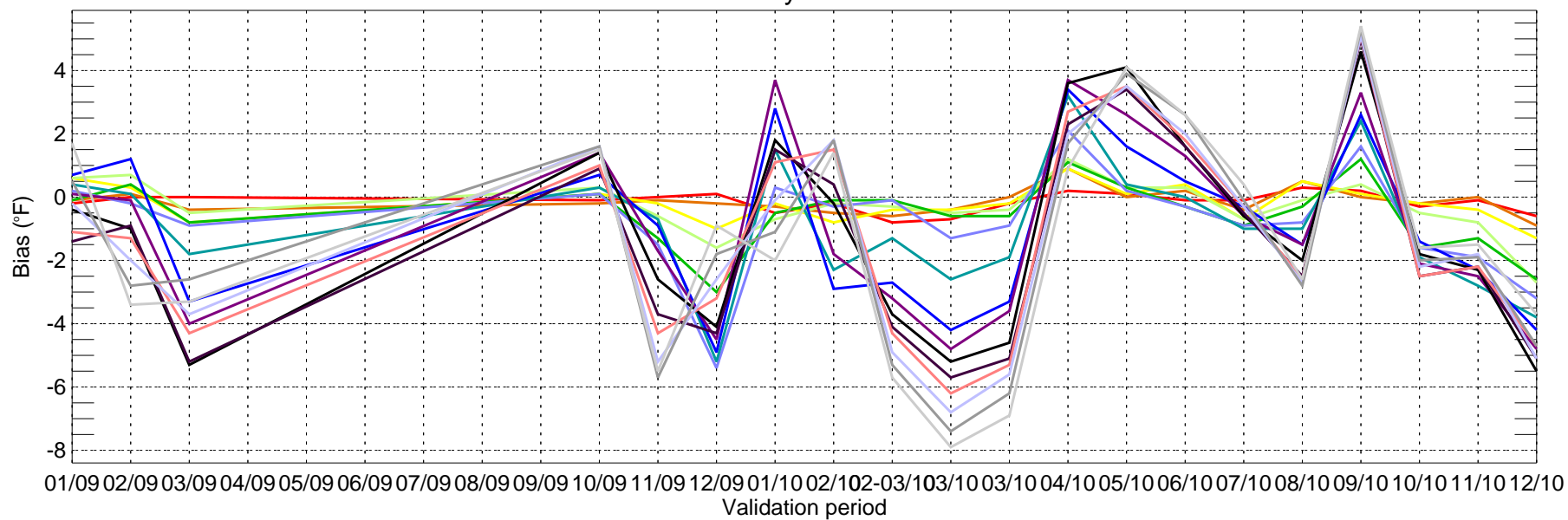


■ day1    ■ day2    ■ day3    ■ day4    ■ day5    ■ day6    ■ day7    ■ day8    ■ day9    ■ day10  
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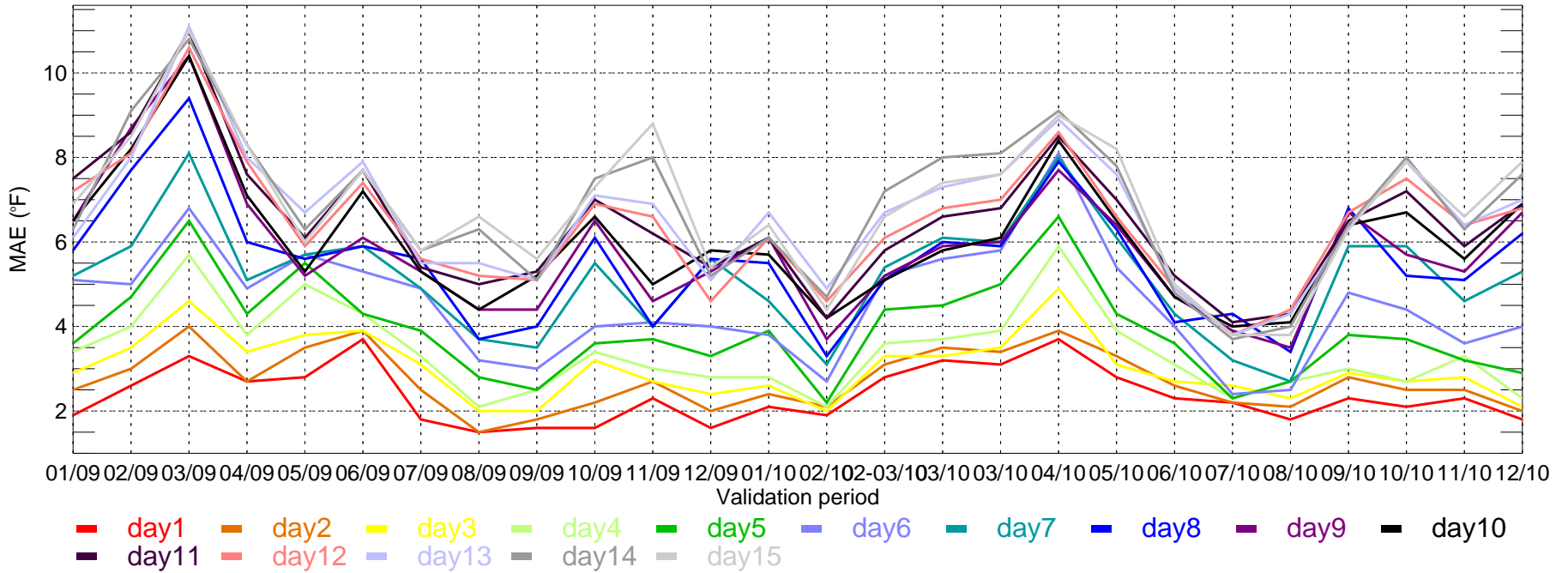
MSP: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



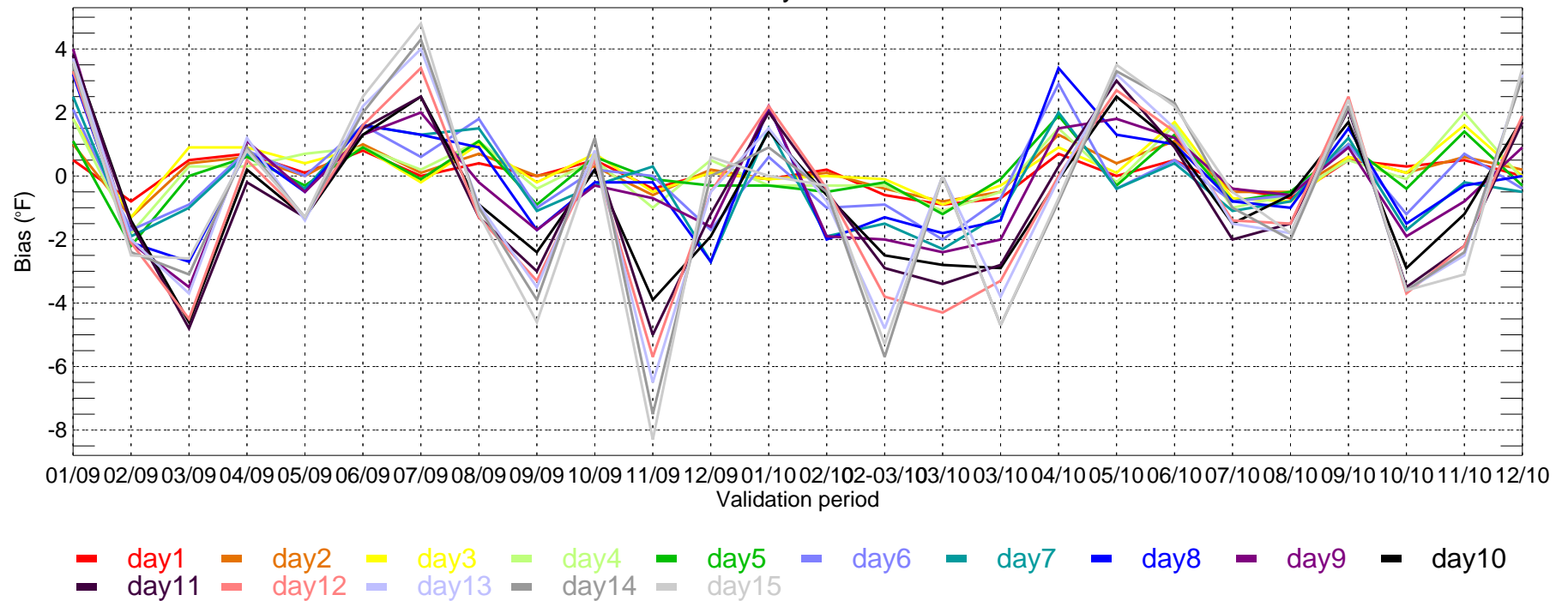
MSP: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31



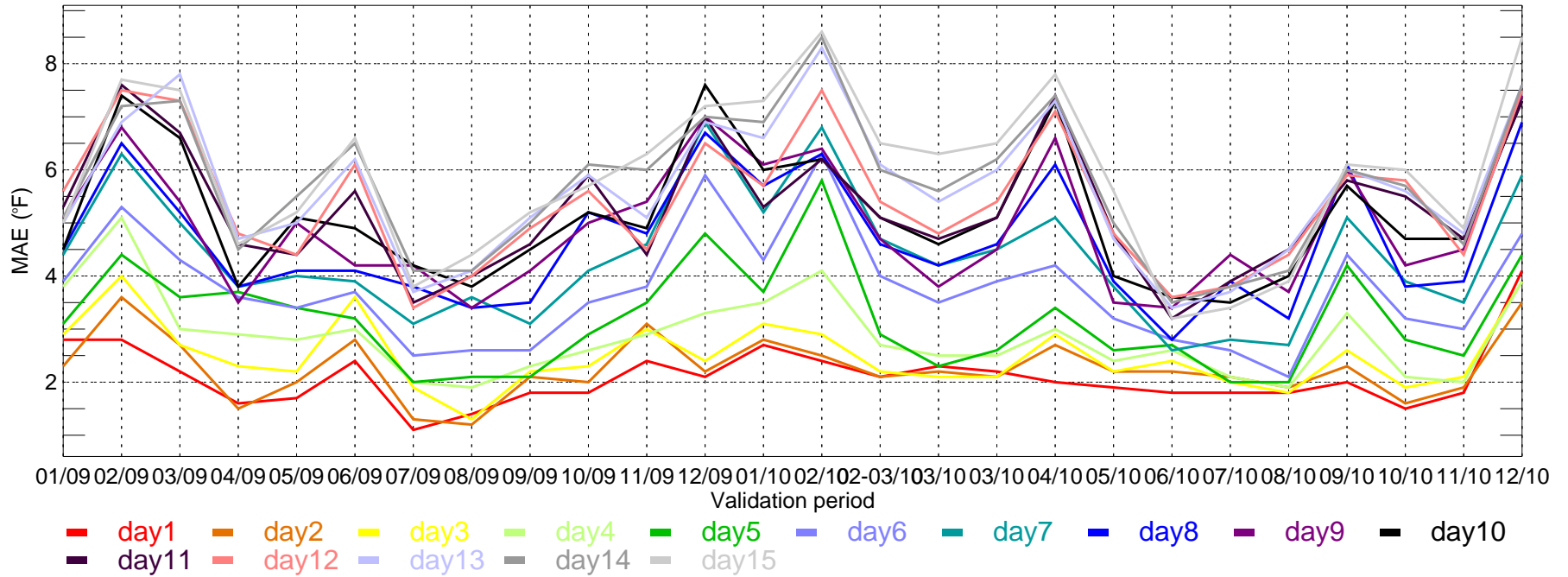
ORD: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



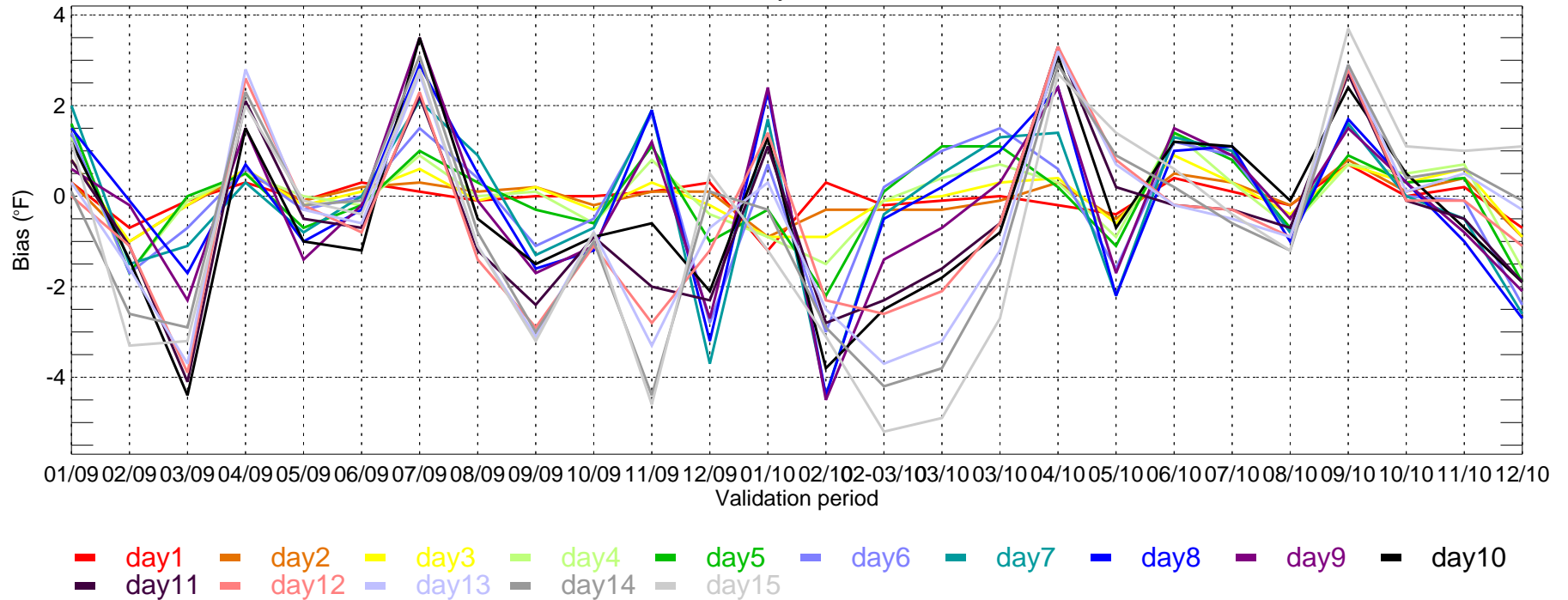
ORD: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



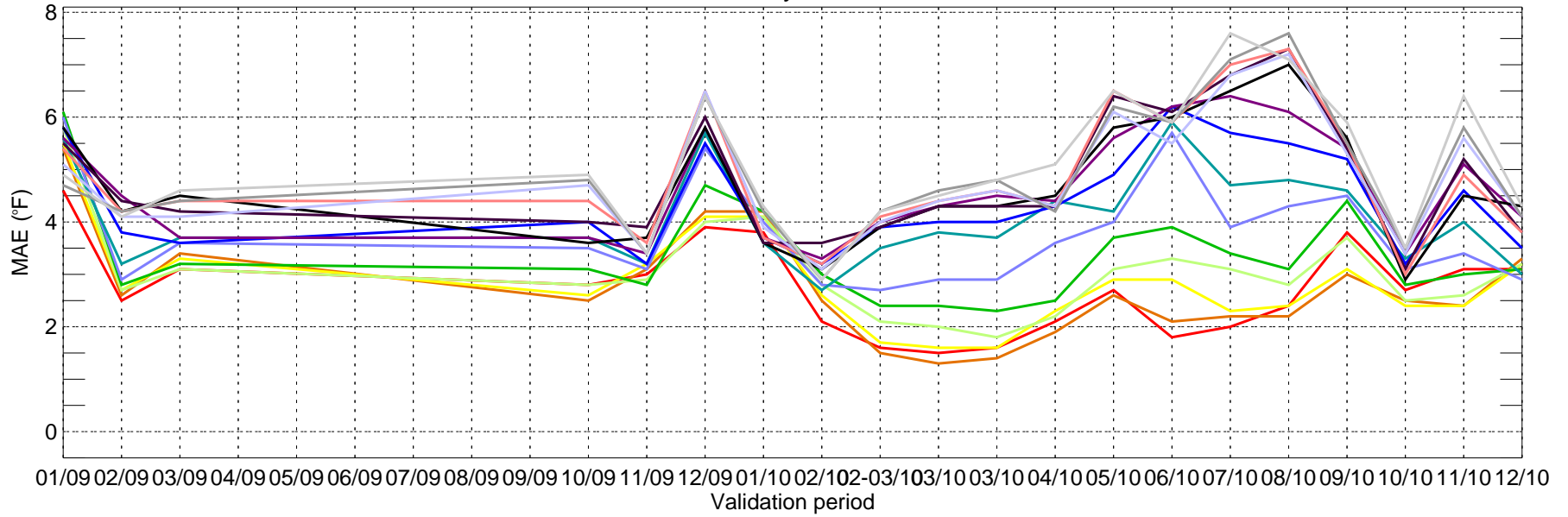
ORD: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



ORD: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

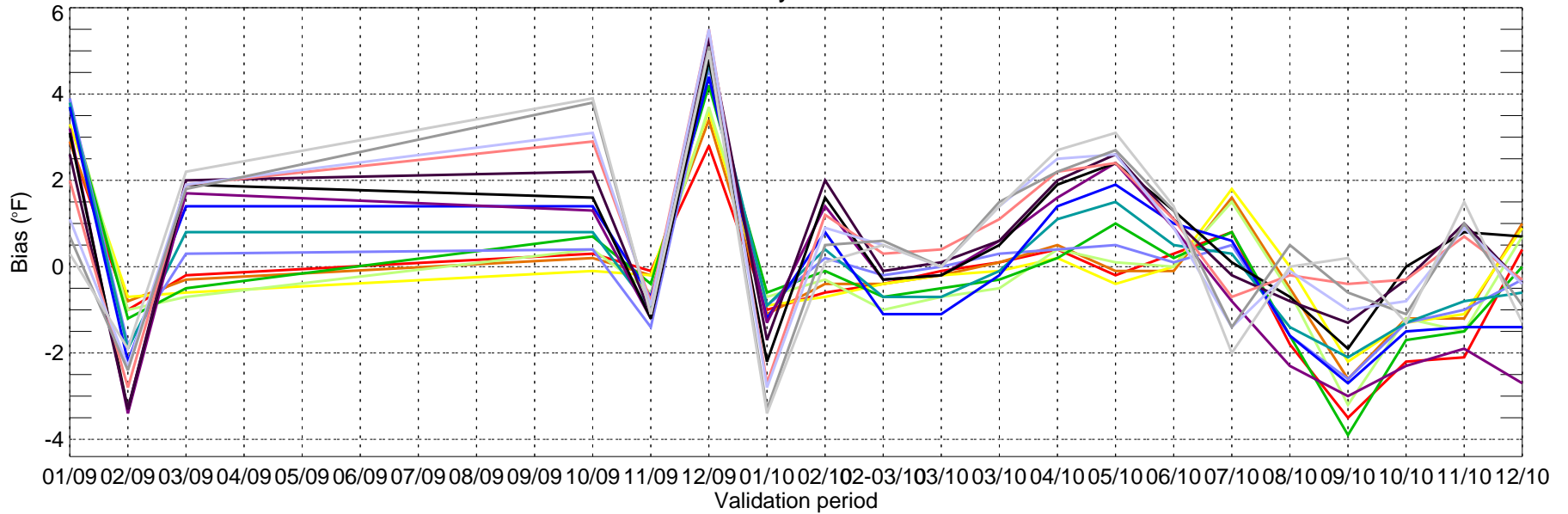


PDX: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



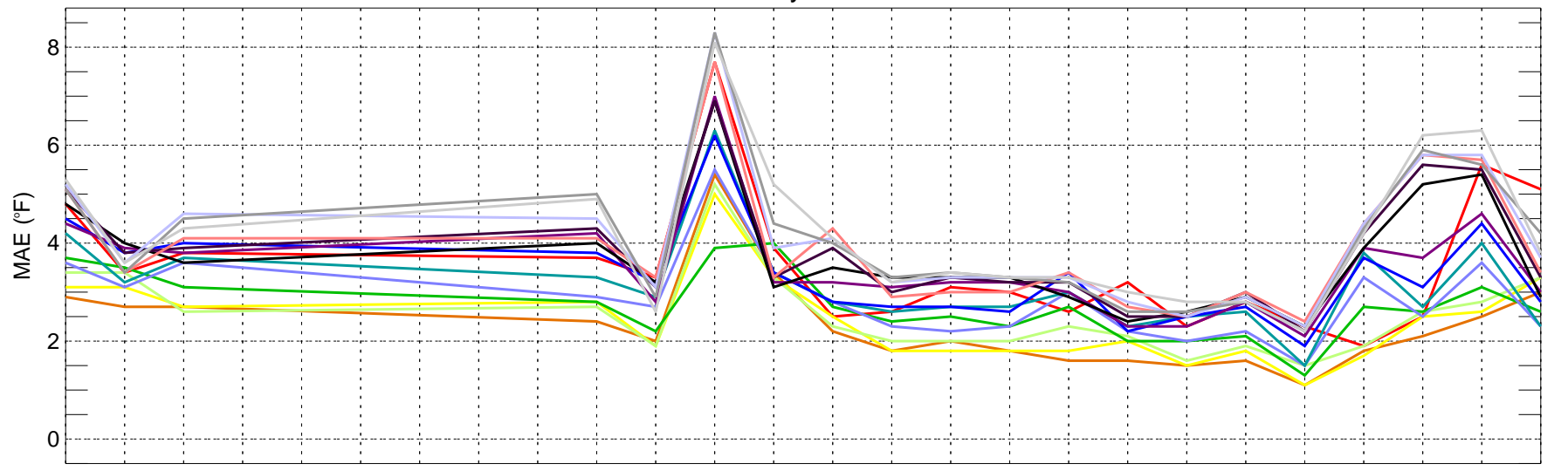
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PDX: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



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PDX: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

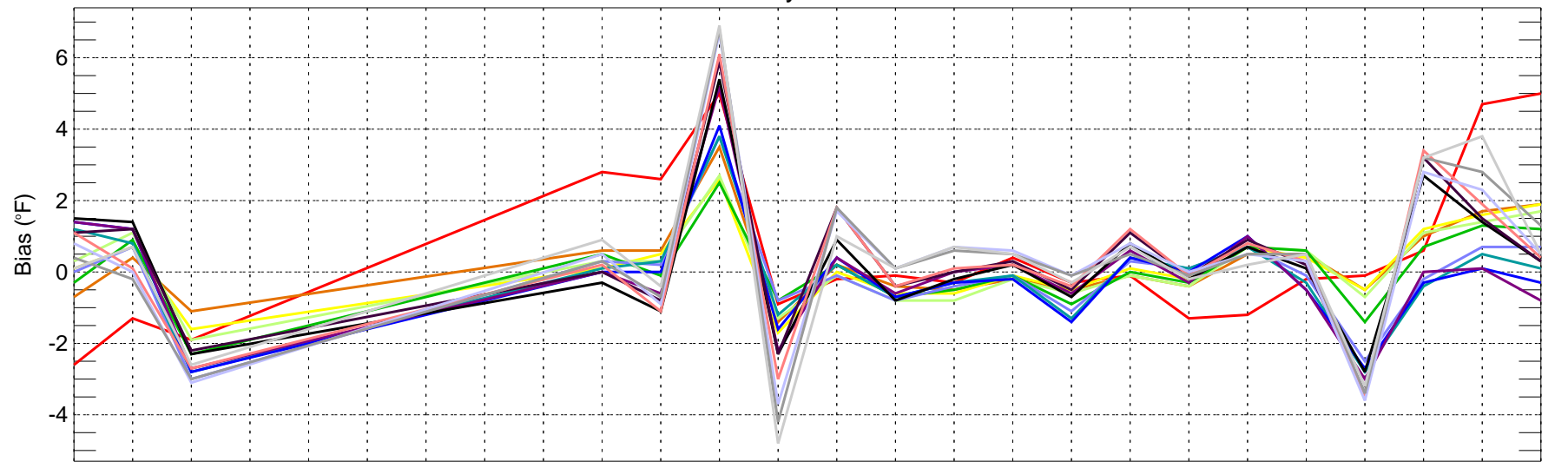


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

Validation period

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

PDX: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

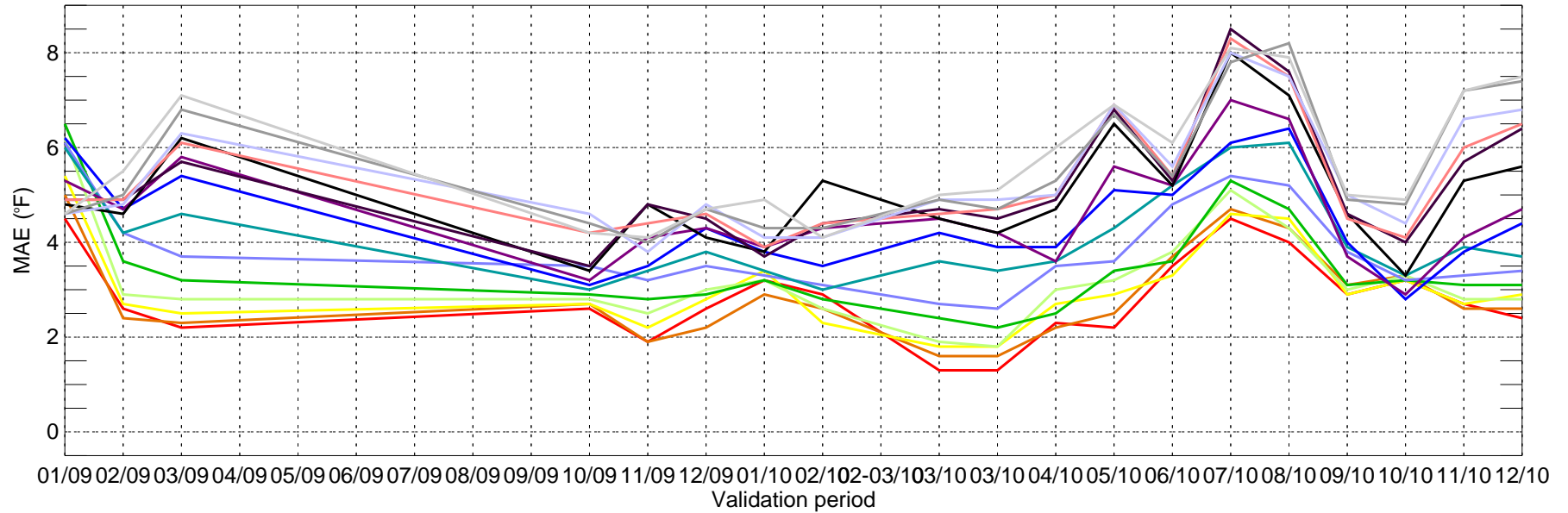


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

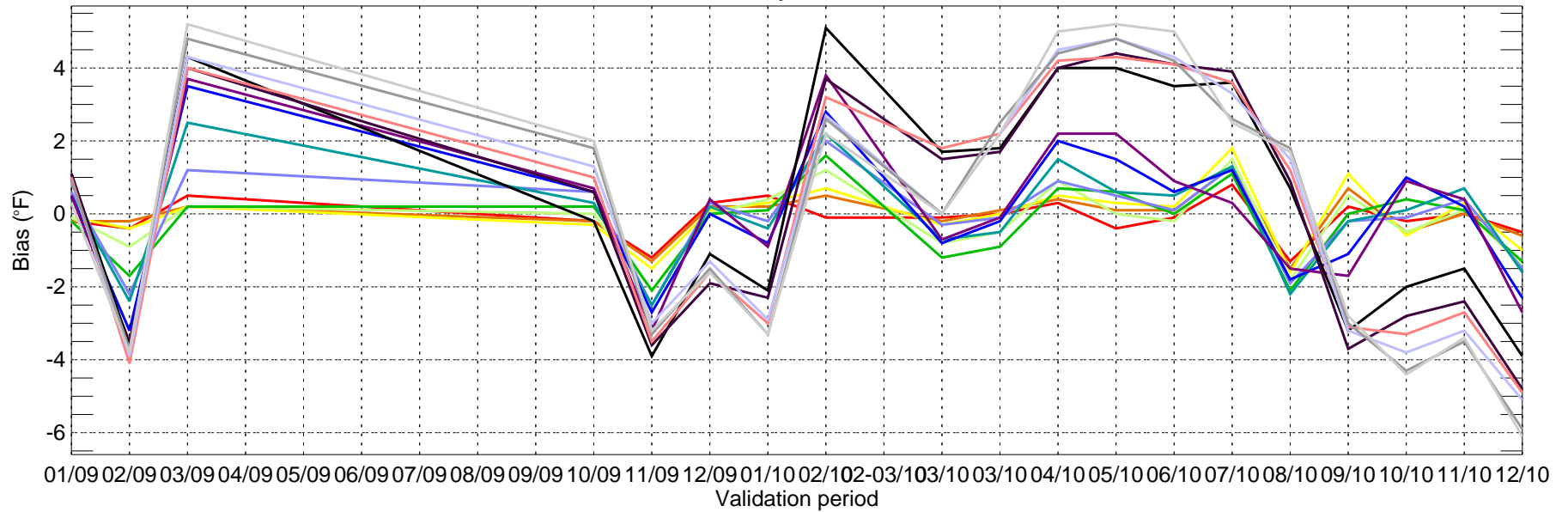
Validation period

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

SEA: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

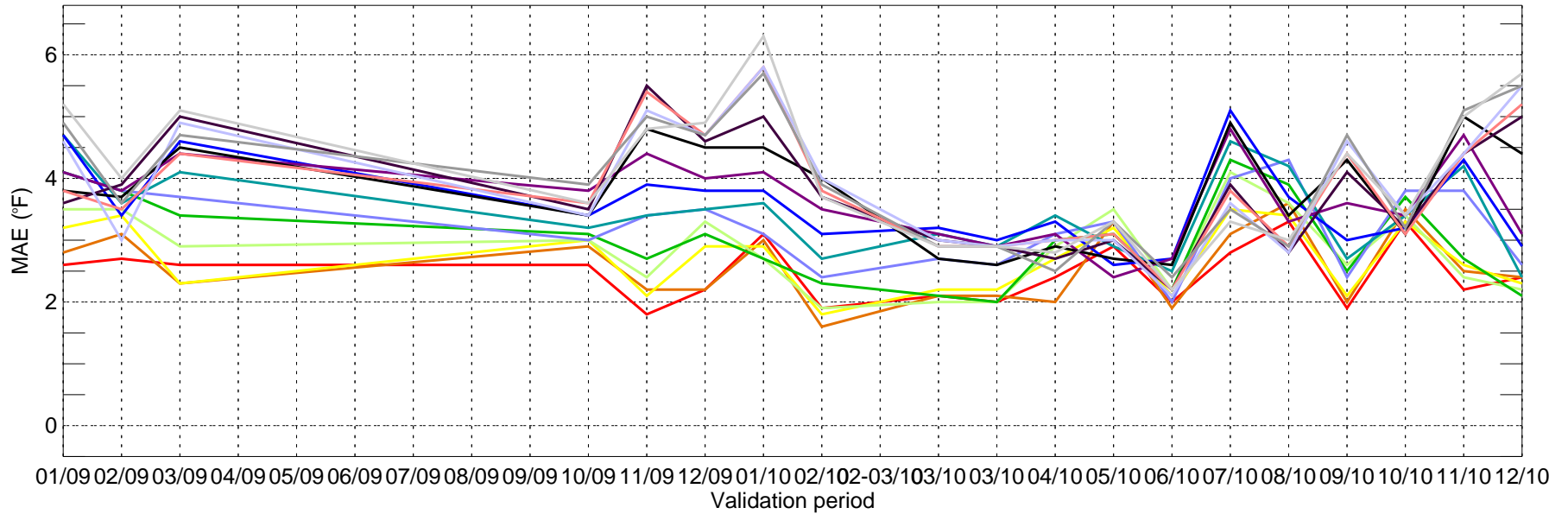


SEA: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31

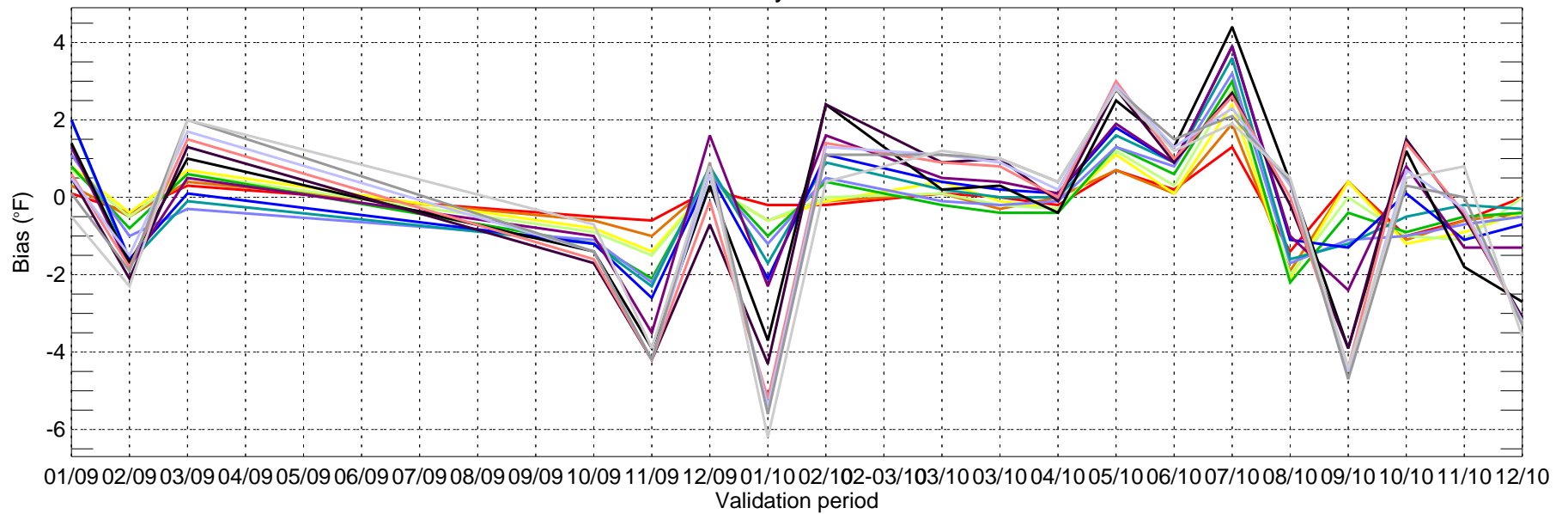


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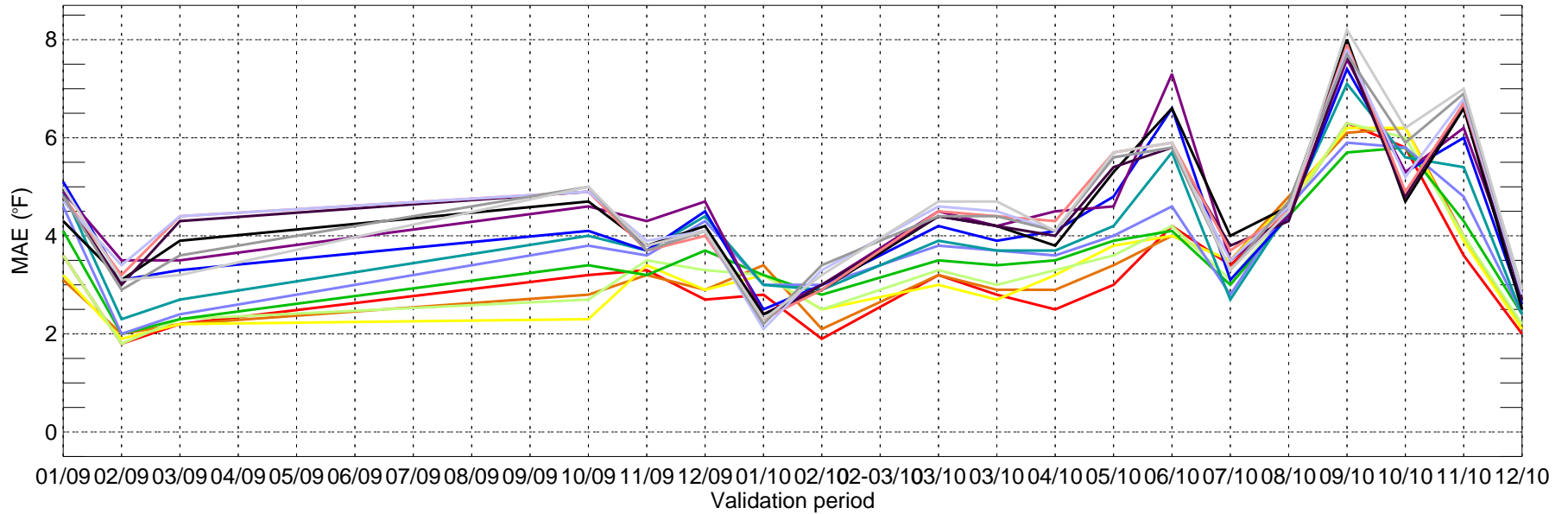
SEA: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



SEA: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

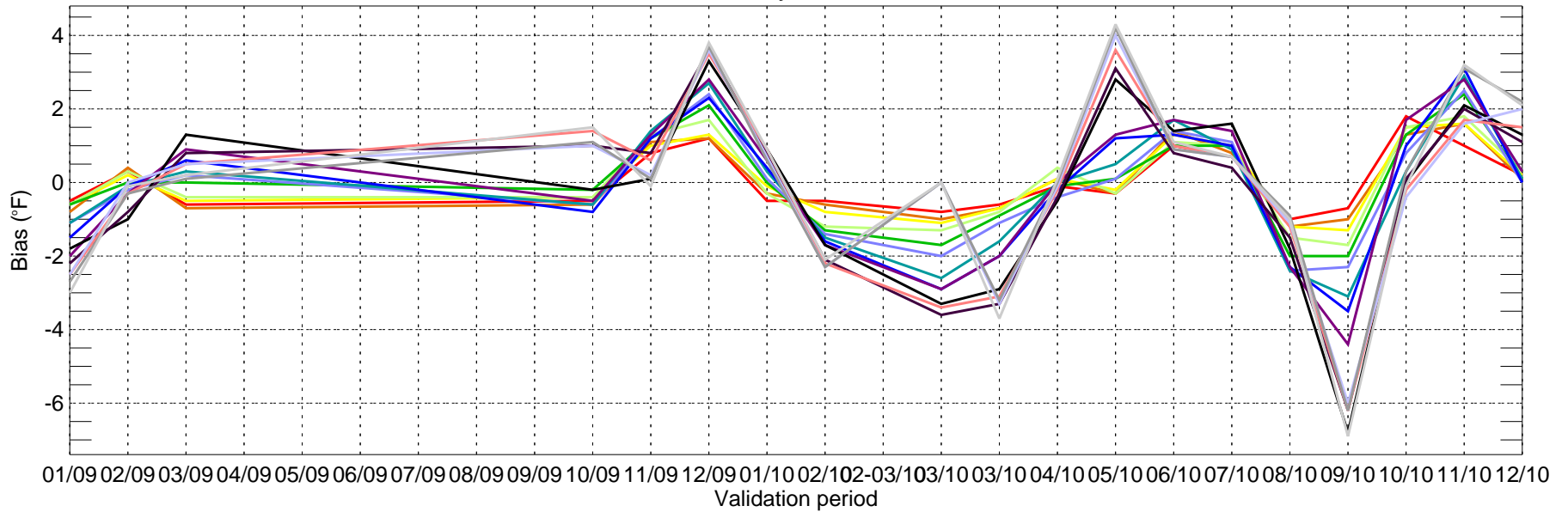


SFO: ECMWF Tmax MAE for Monthly Period from 2009-01-01 ~ 2010-12-31



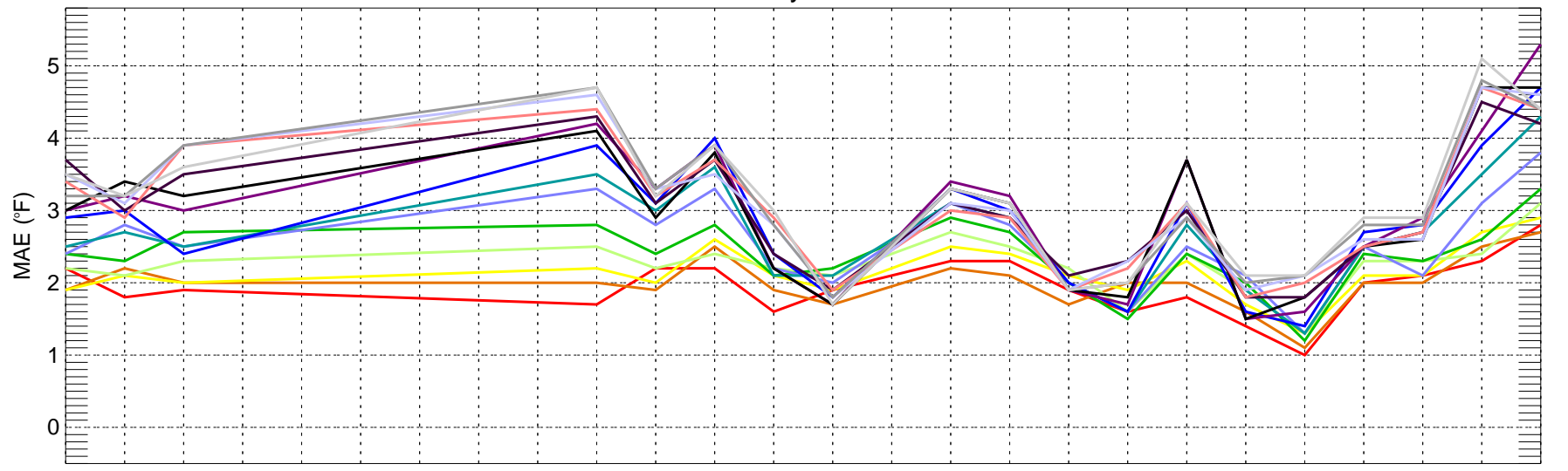
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SFO: ECMWF Tmax bias for Monthly Period from 2009-01-01 ~ 2010-12-31



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SFO: ECMWF Tmin MAE for Monthly Period from 2009-01-01 ~ 2010-12-31

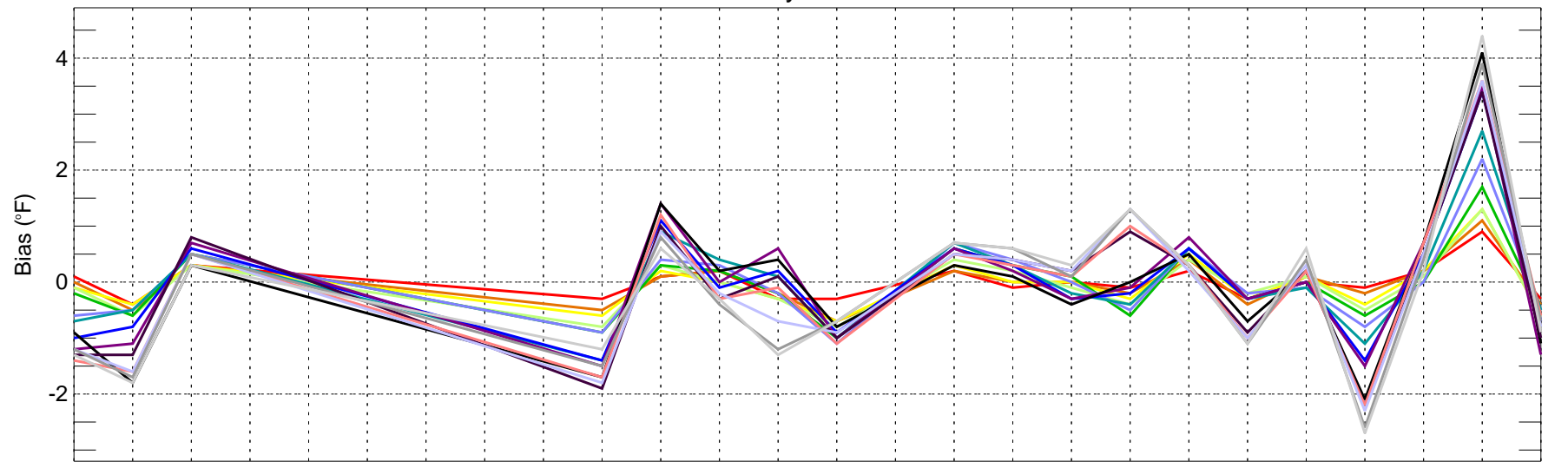


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

Validation period

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

SFO: ECMWF Tmin bias for Monthly Period from 2009-01-01 ~ 2010-12-31

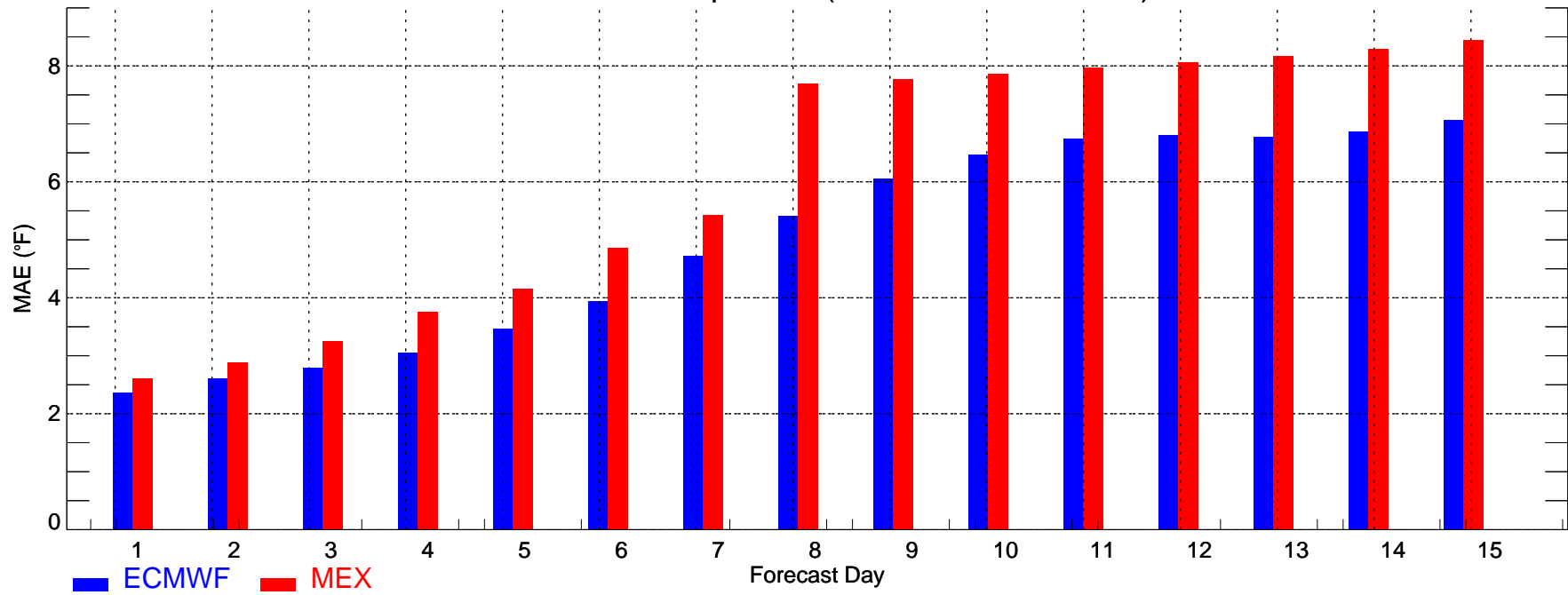


01/09 02/09 03/09 04/09 05/09 06/09 07/09 08/09 09/09 10/09 11/09 12/09 01/10 02/10 03/10 03/10 04/10 05/10 06/10 07/10 08/10 09/10 10/10 11/10 12/10

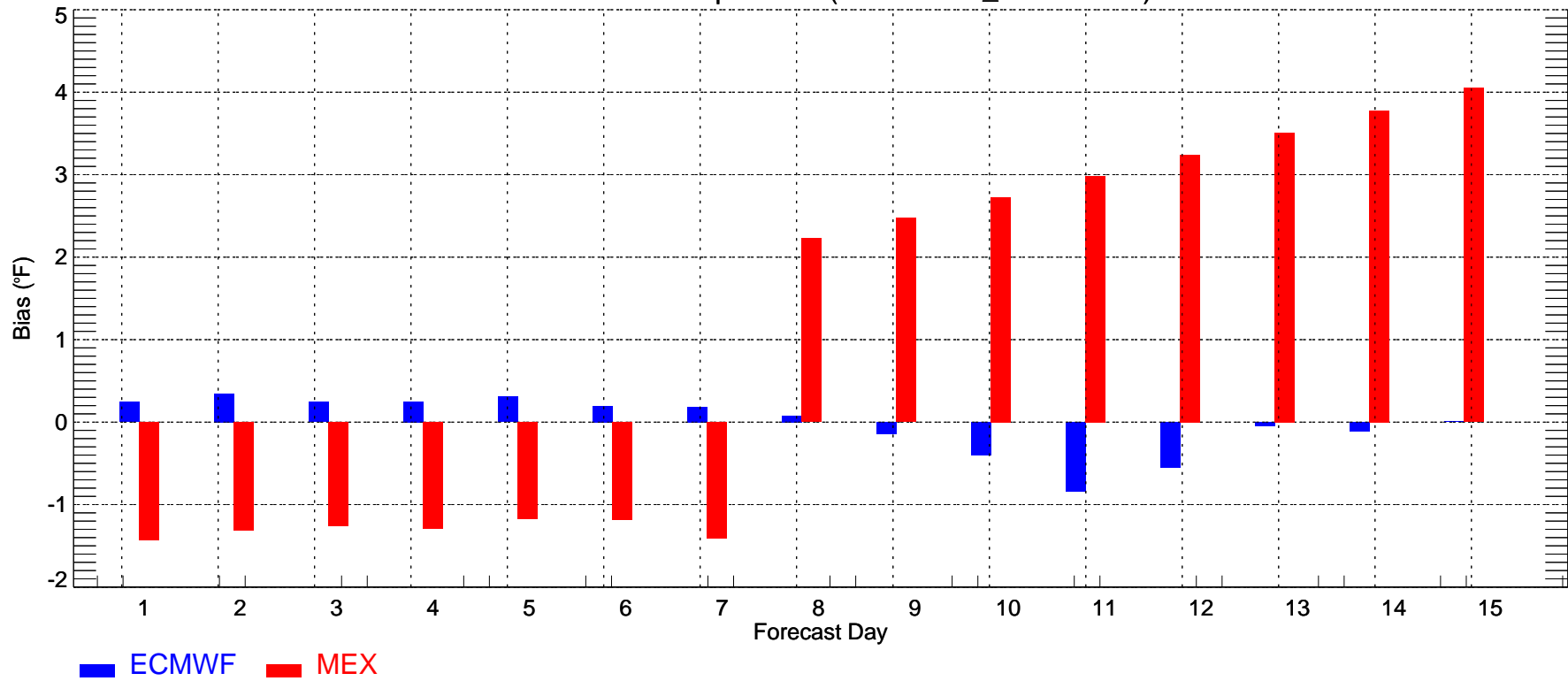
Validation period

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

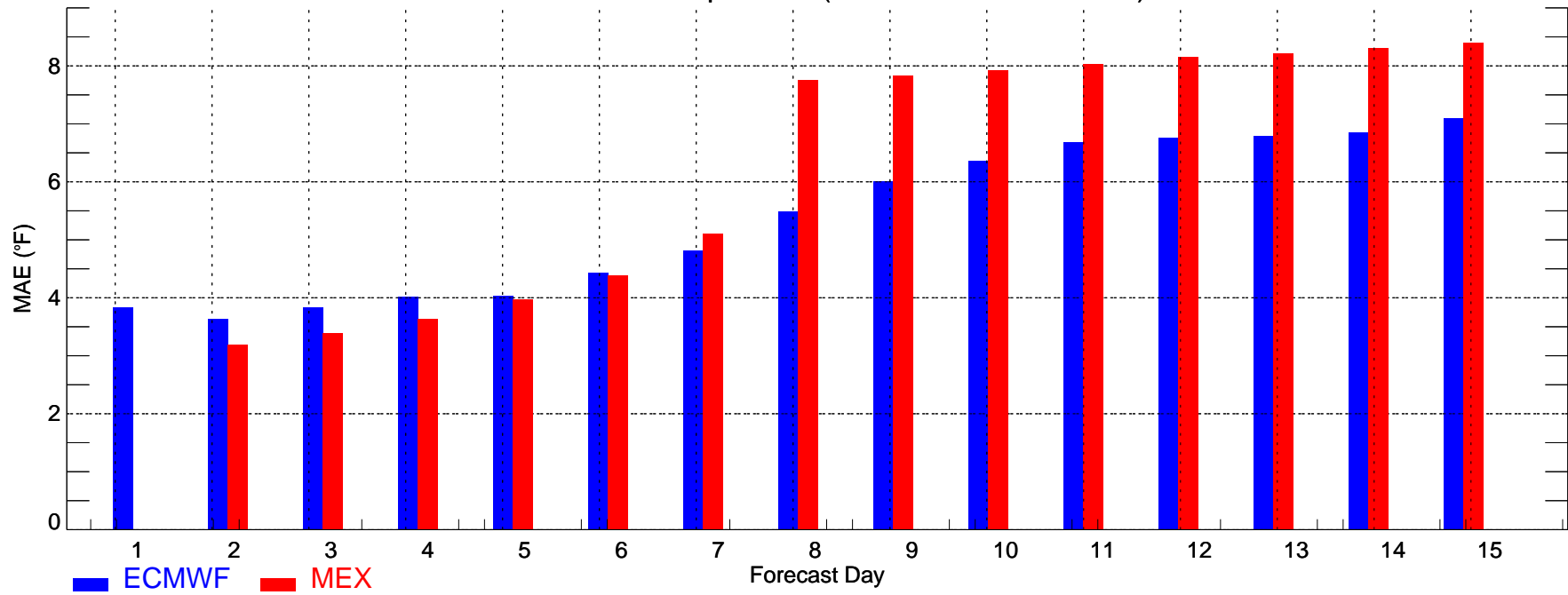
CUST1: Max Temperature (2010-12-01\_2010-12-31)



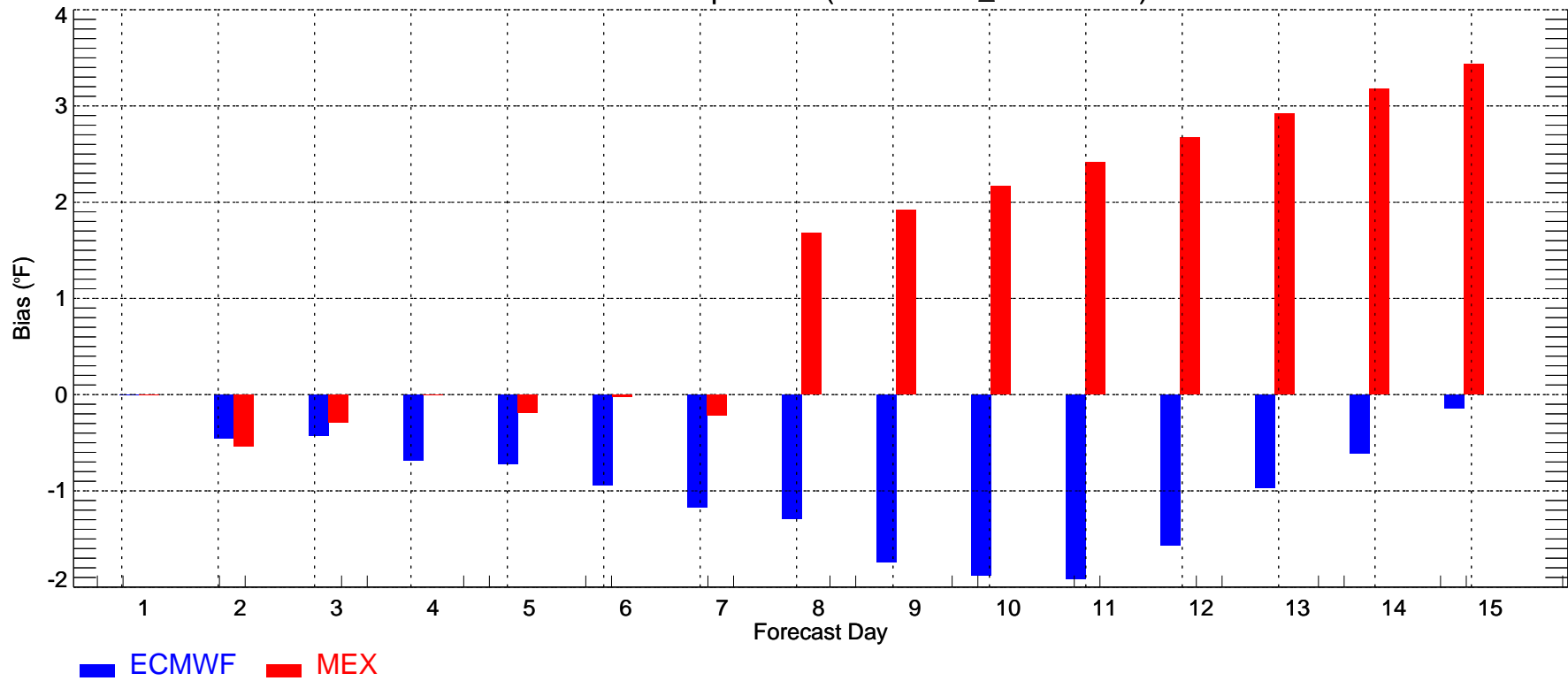
CUST1: Max Temperature (2010-12-01\_2010-12-31)



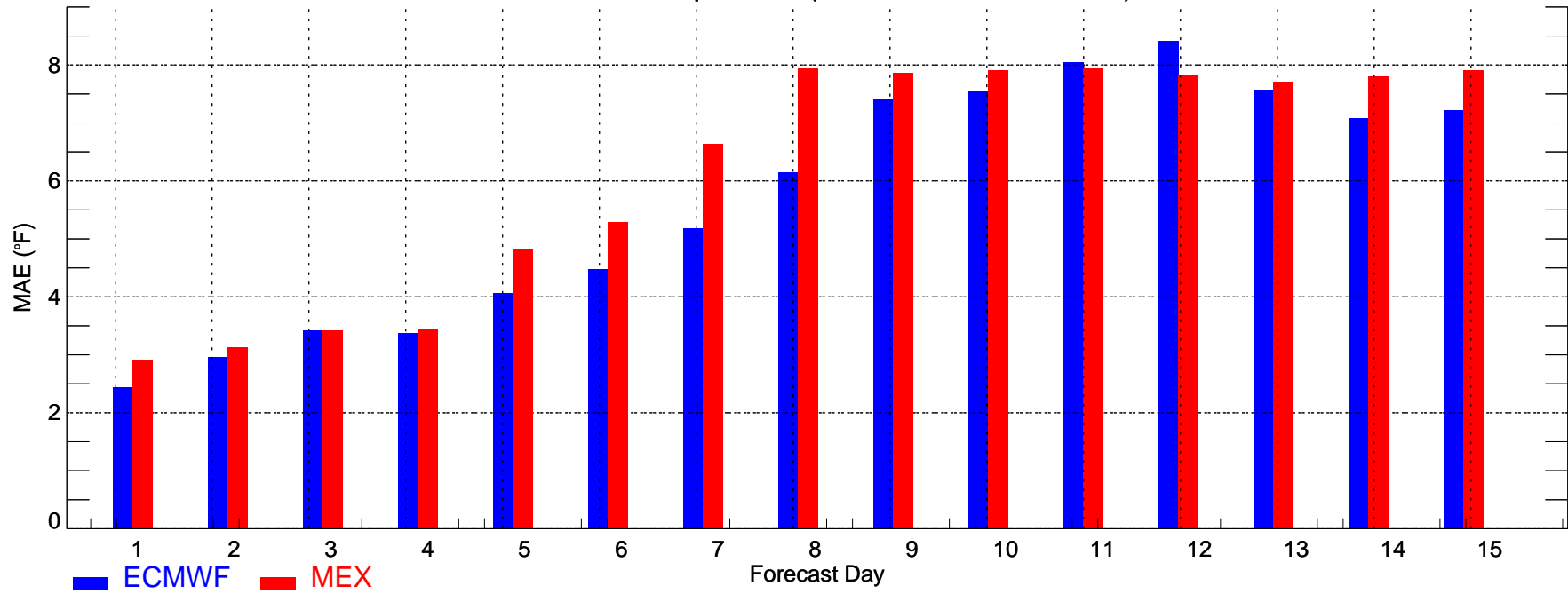
CUST1: Min Temperature (2010-12-01\_2010-12-31)



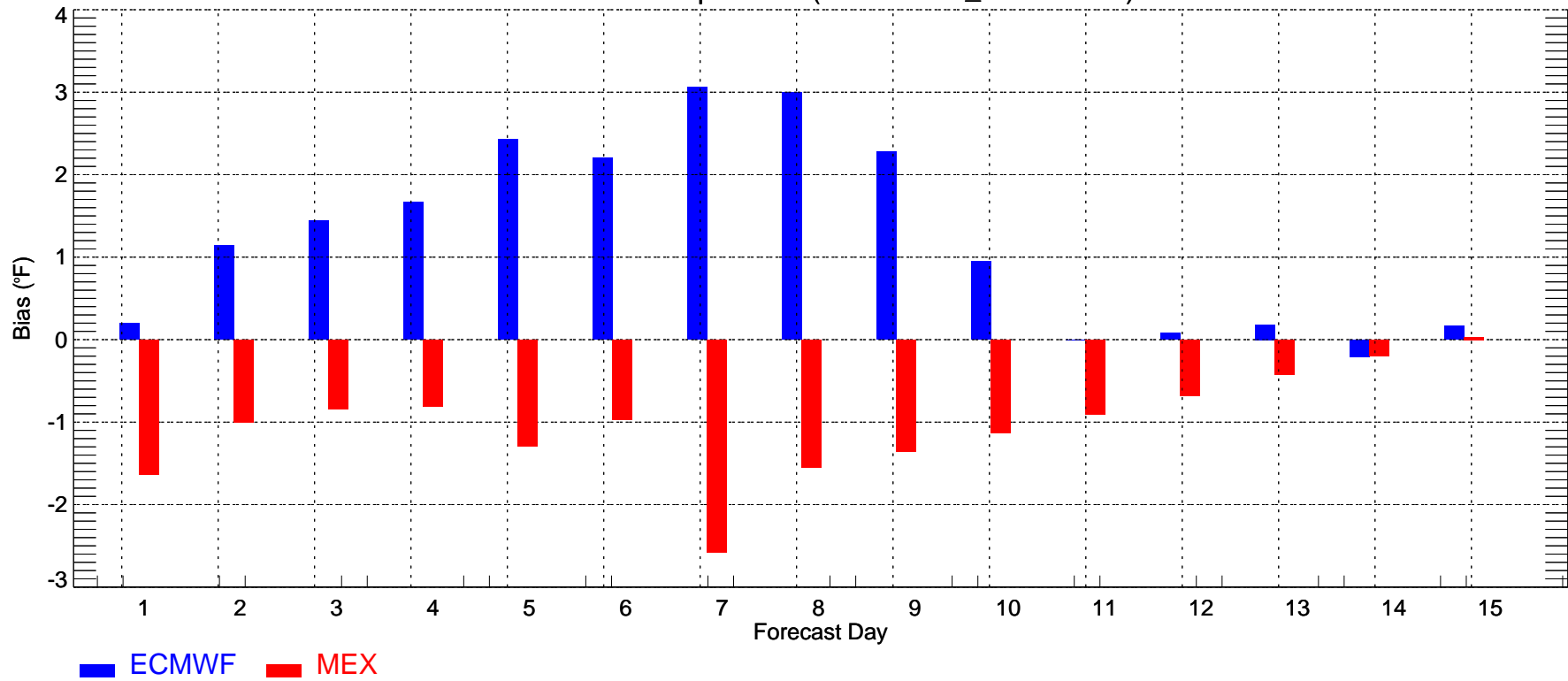
CUST1: Min Temperature (2010-12-01\_2010-12-31)



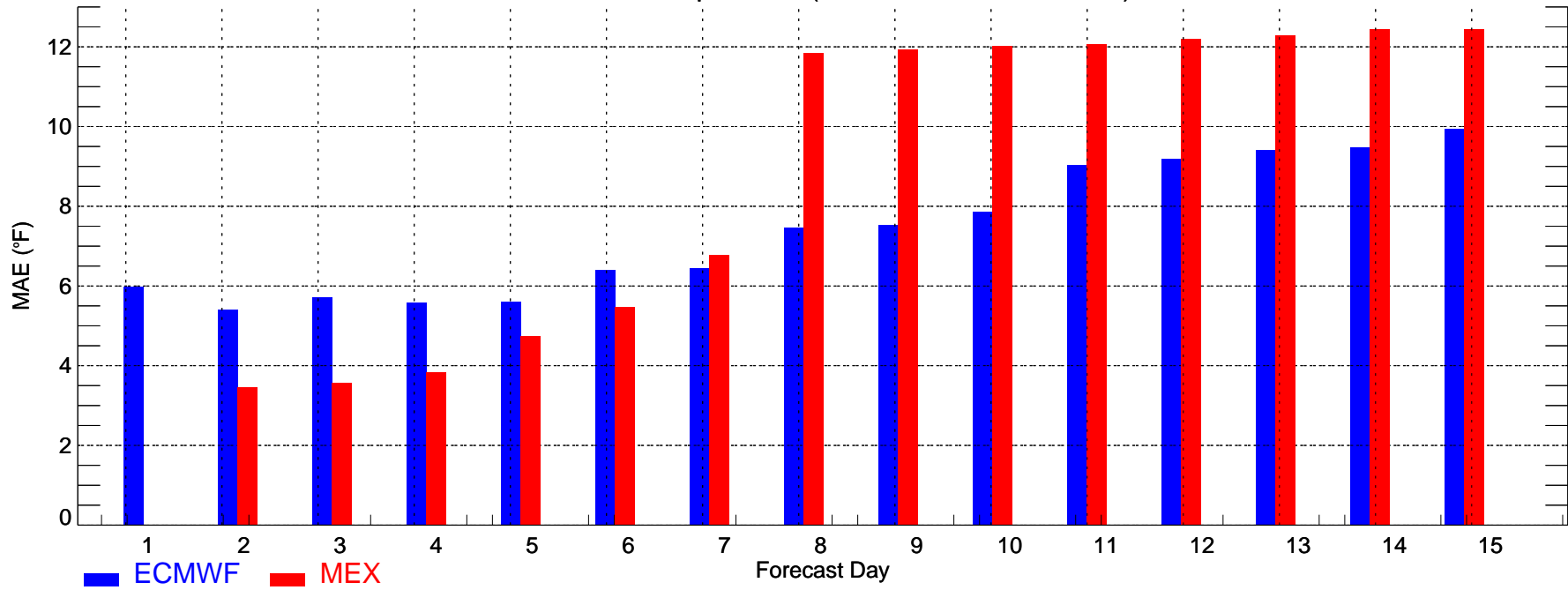
AUS: Max Temperature (2010-12-01\_2010-12-31)



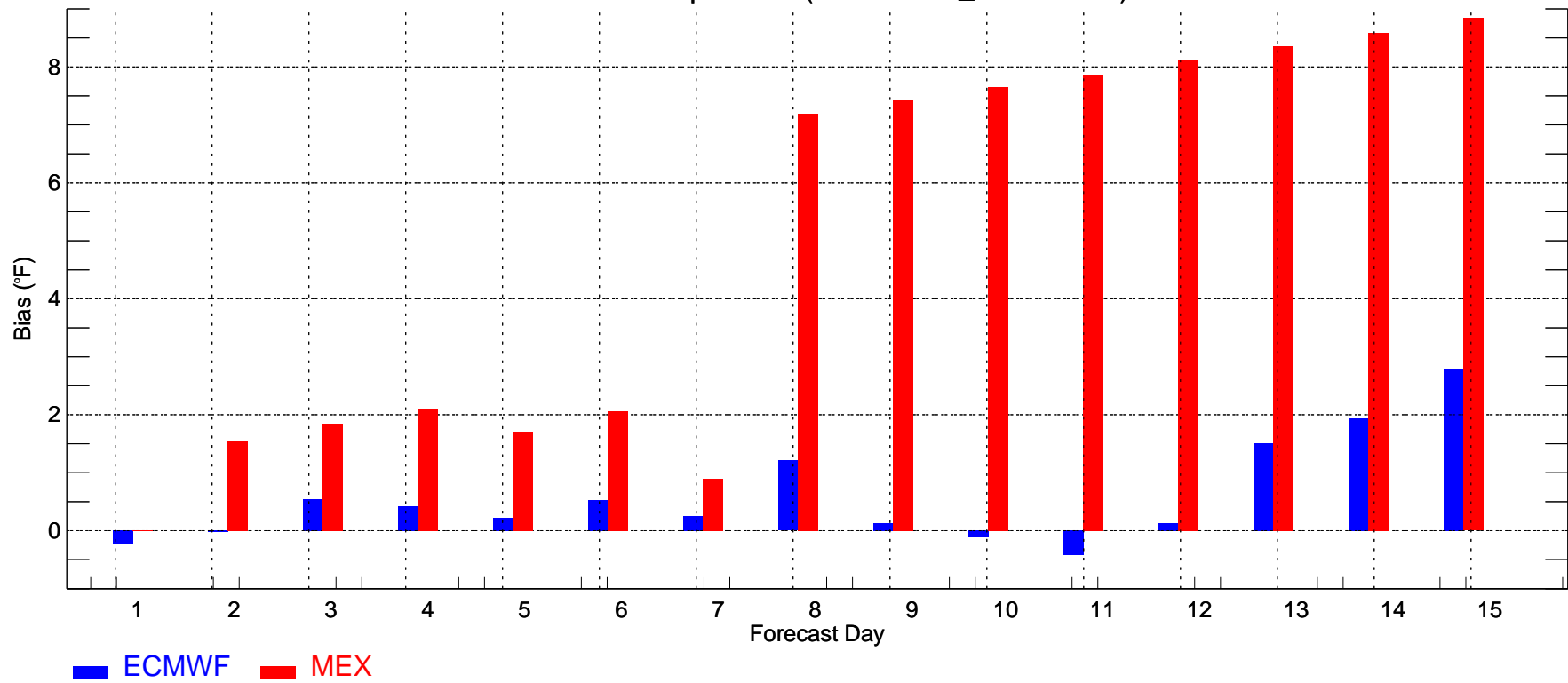
AUS: Max Temperature (2010-12-01\_2010-12-31)



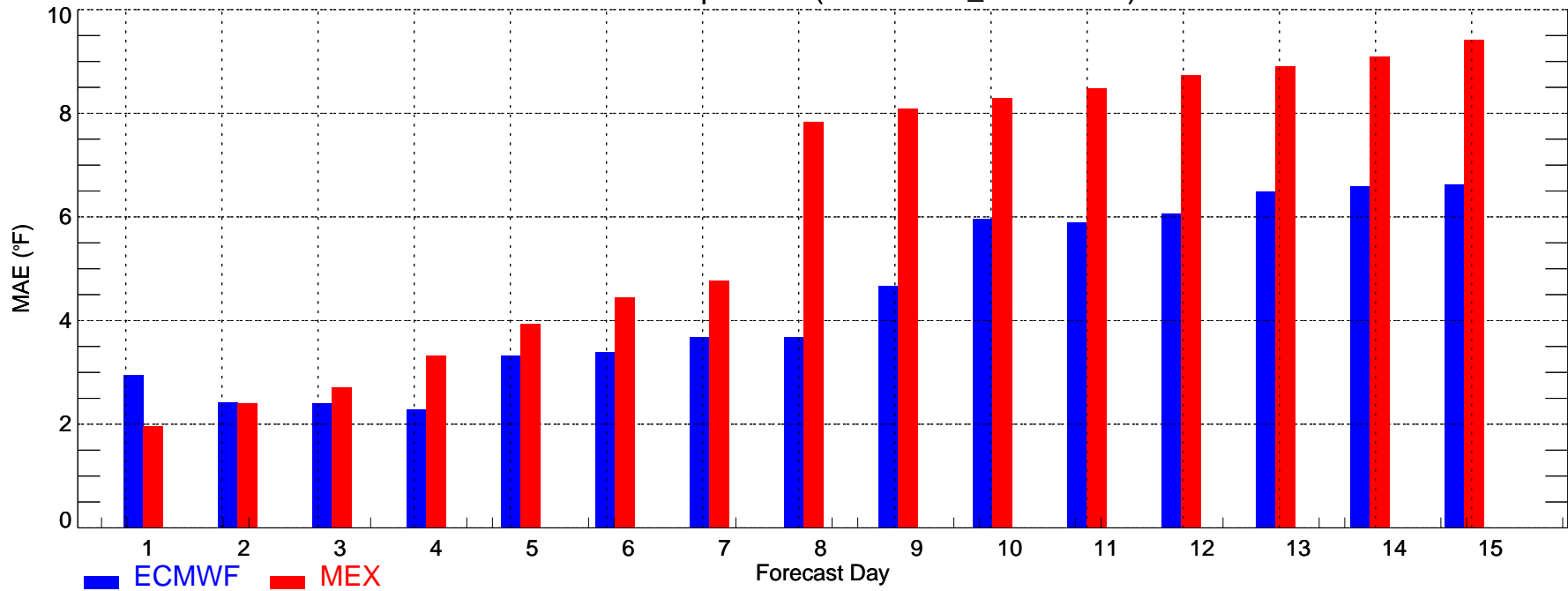
AUS: Min Temperature (2010-12-01\_2010-12-31)



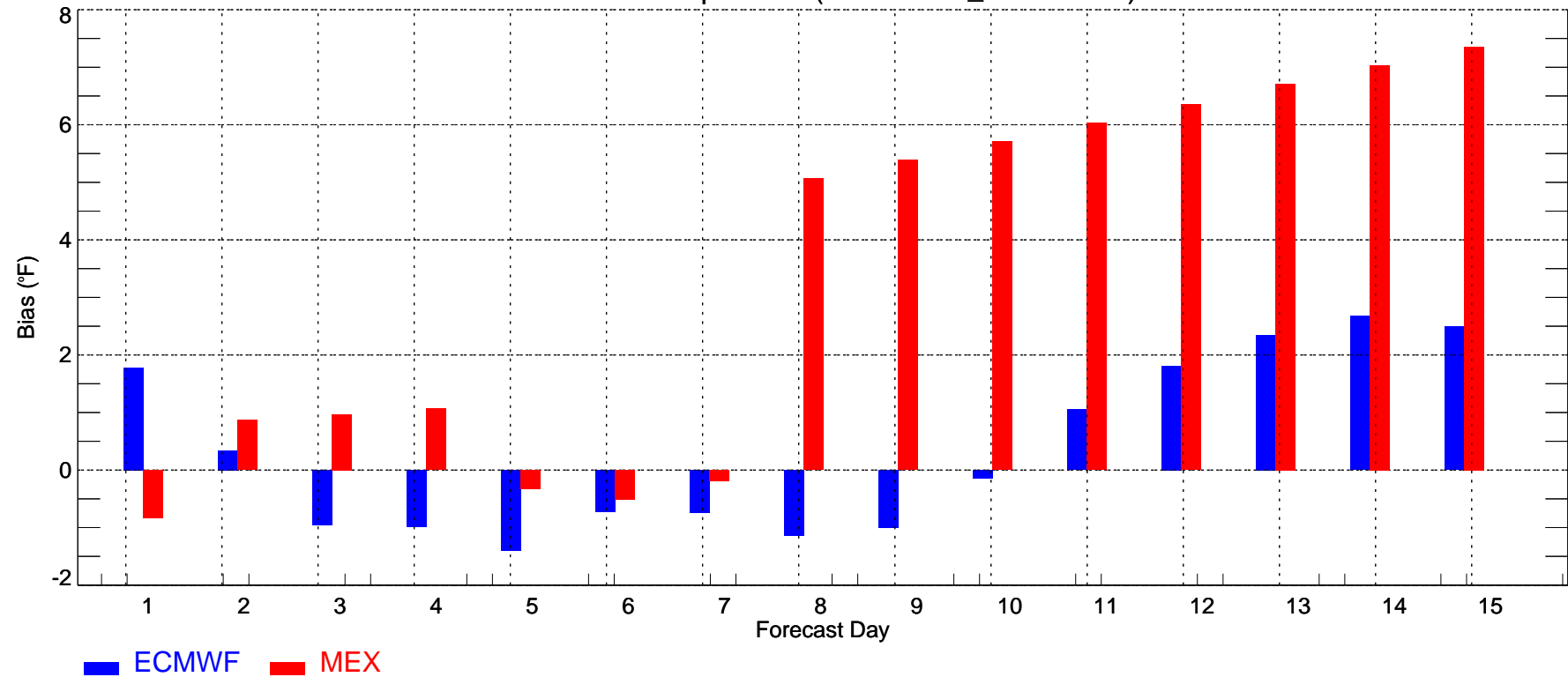
AUS: Min Temperature (2010-12-01\_2010-12-31)



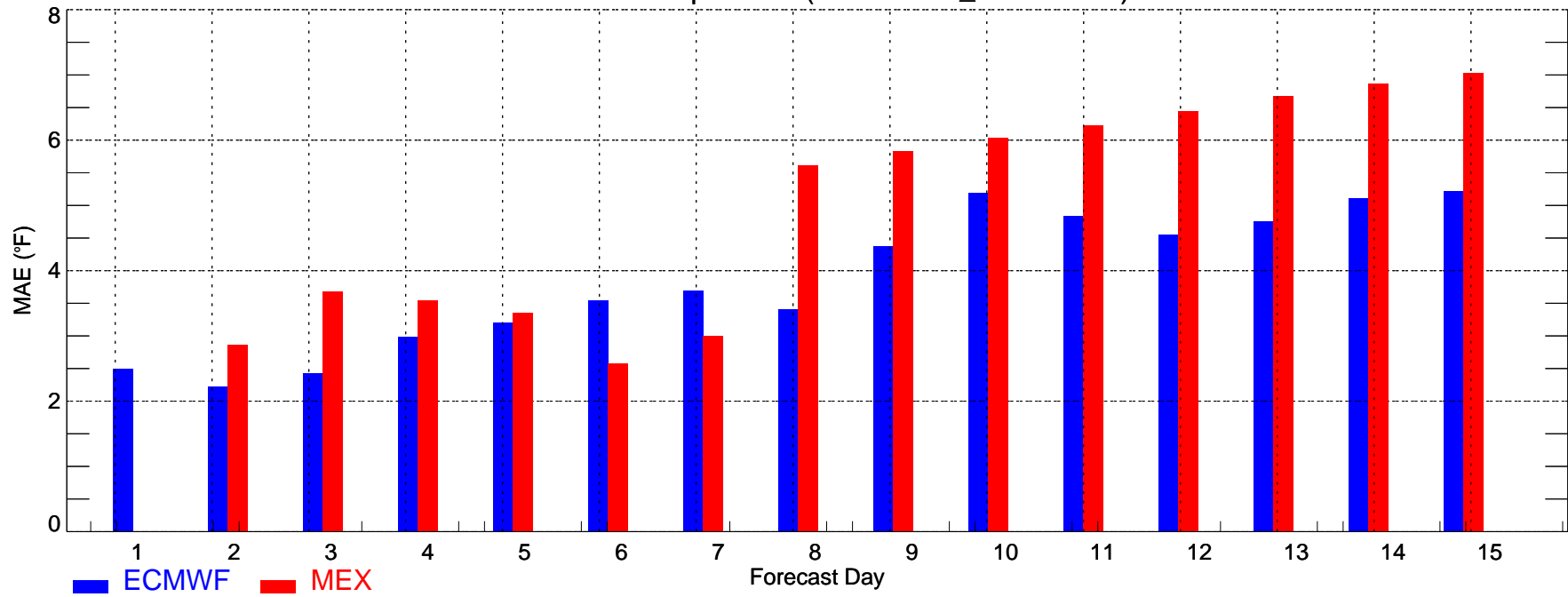
BOS: Max Temperature (2010-12-01\_2010-12-31)



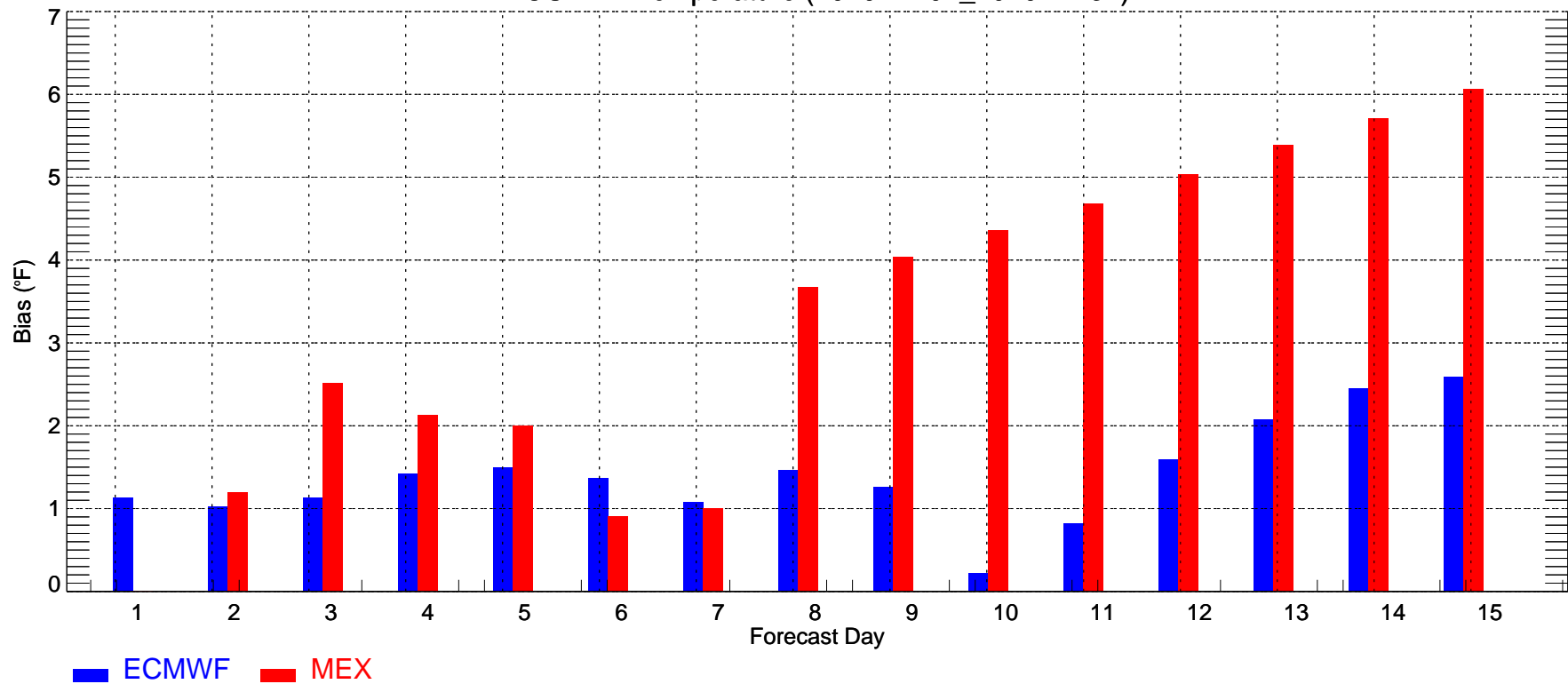
BOS: Max Temperature (2010-12-01\_2010-12-31)



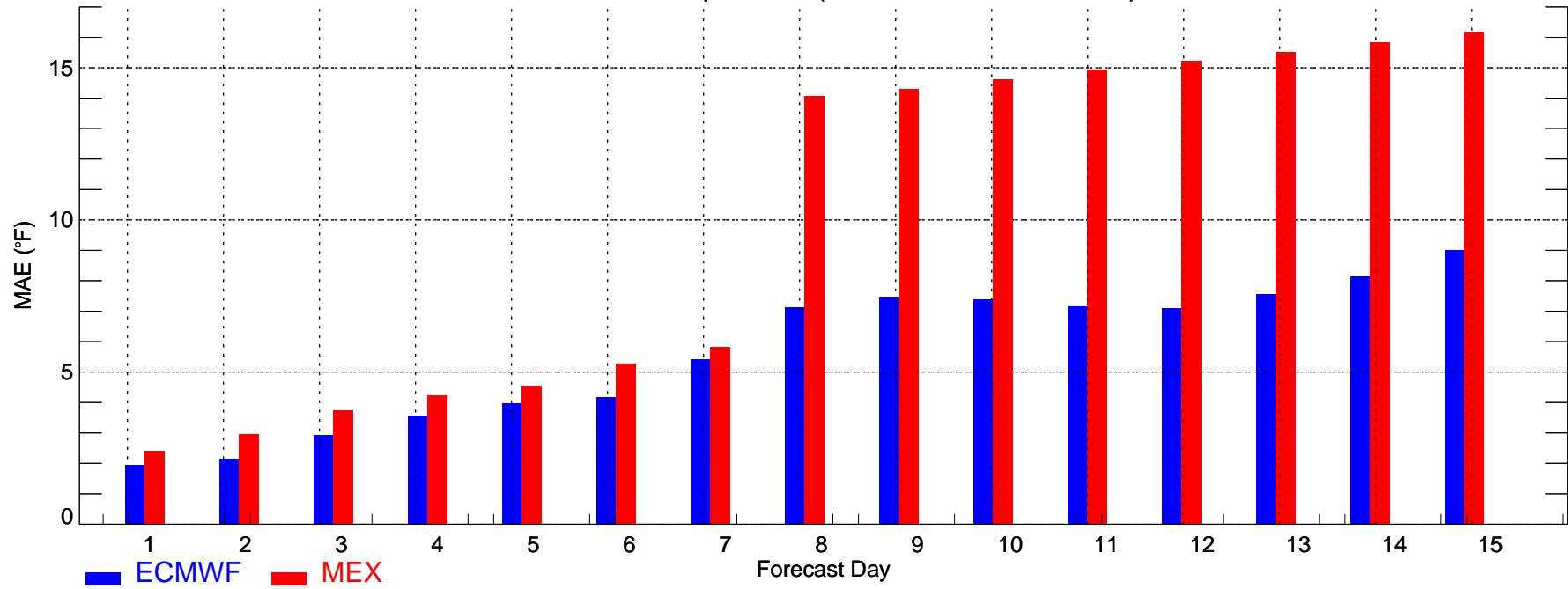
BOS: Min Temperature (2010-12-01\_2010-12-31)



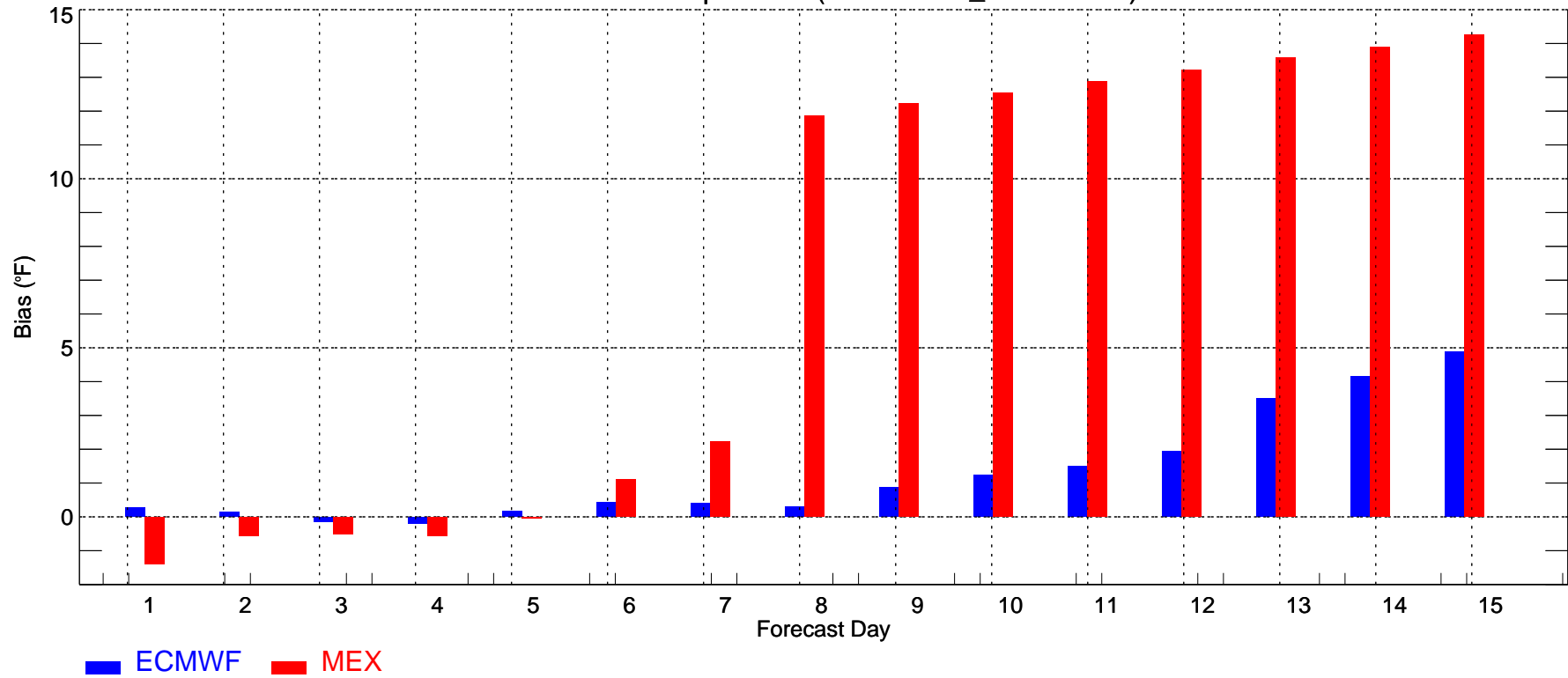
BOS: Min Temperature (2010-12-01\_2010-12-31)



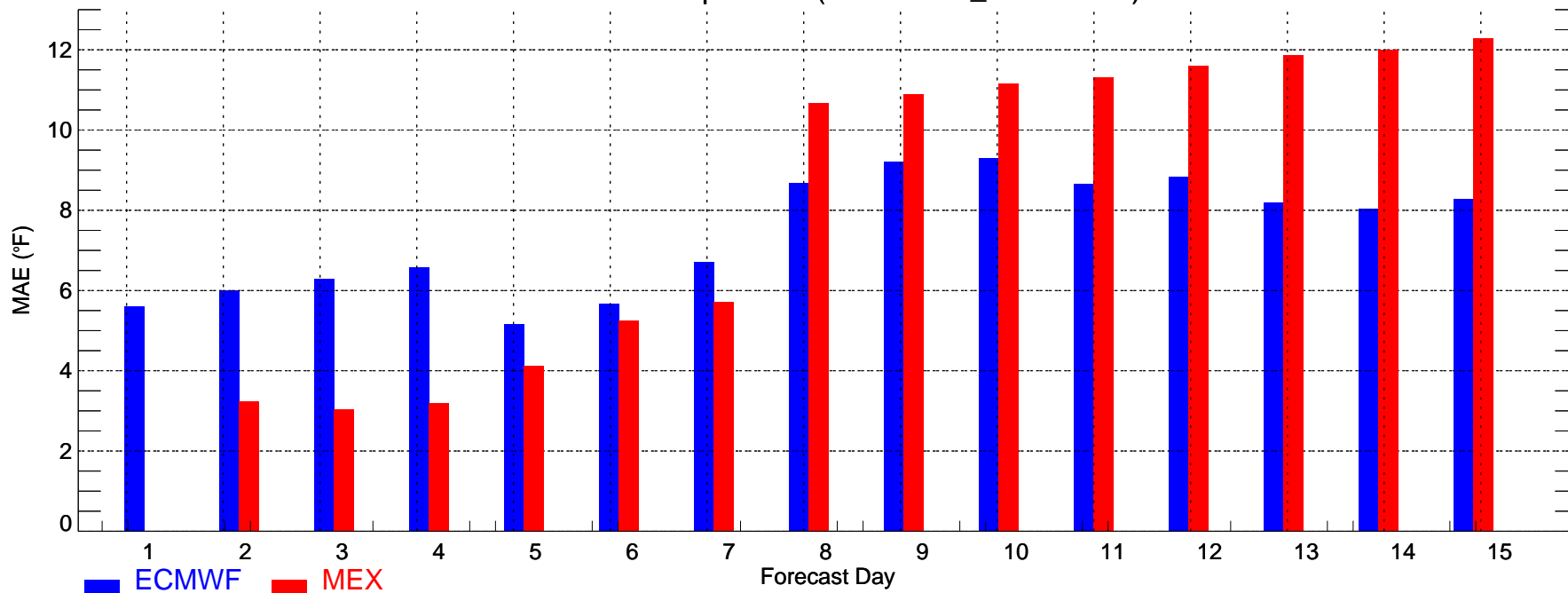
CVG: Max Temperature (2010-12-01\_2010-12-31)



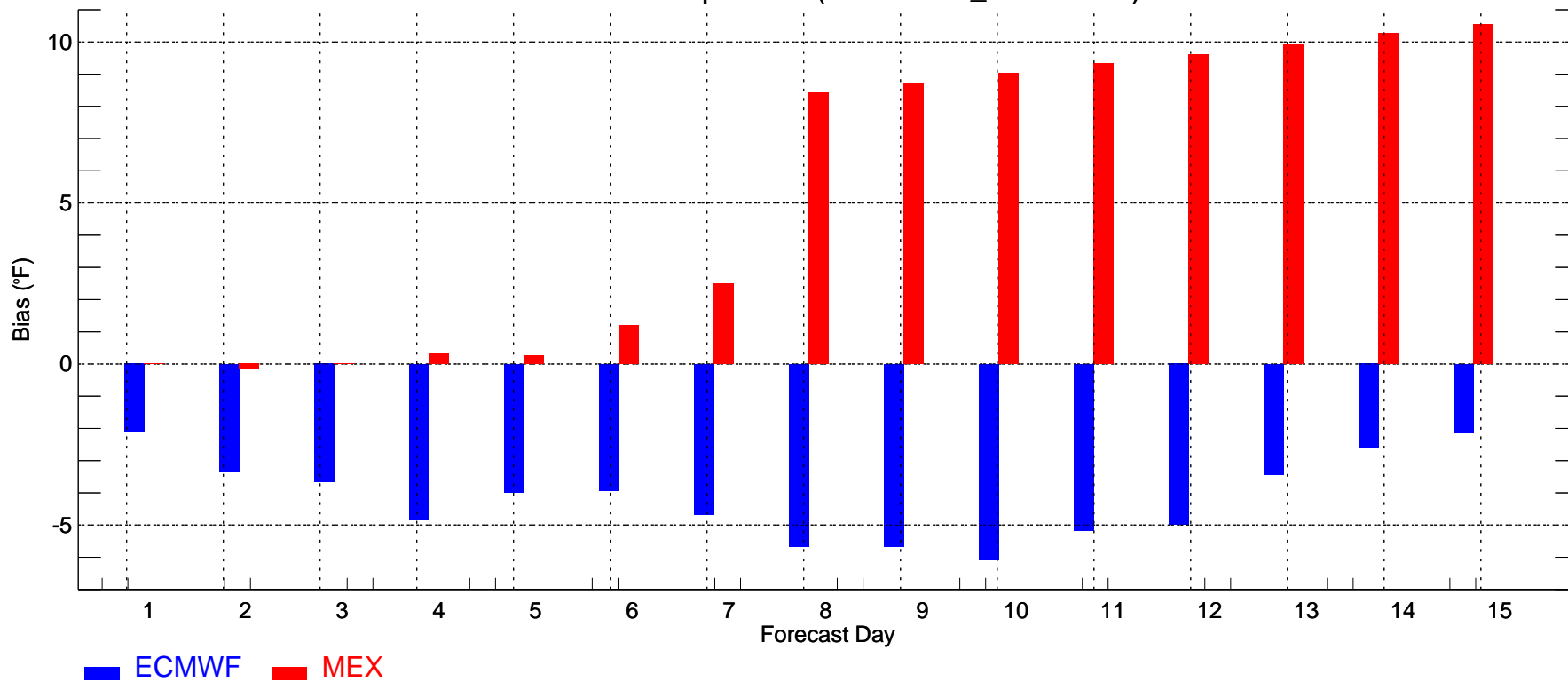
CVG: Max Temperature (2010-12-01\_2010-12-31)



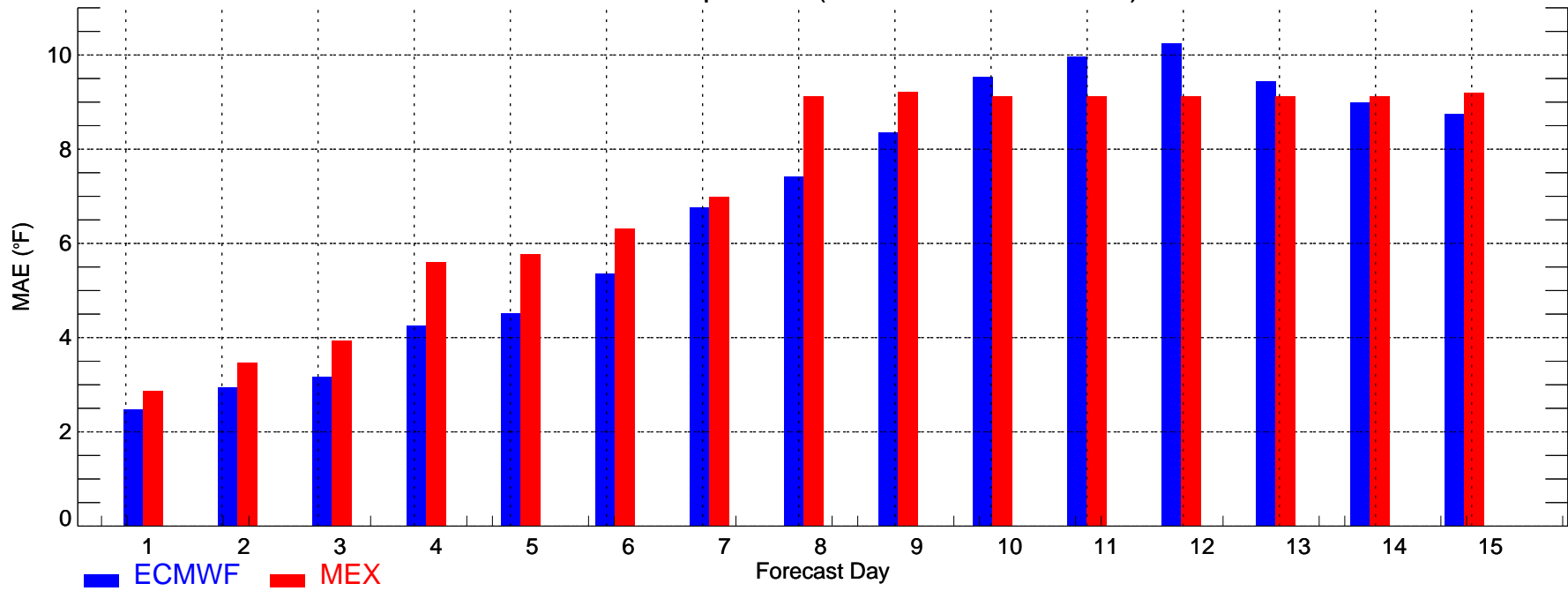
CVG: Min Temperature (2010-12-01\_2010-12-31)



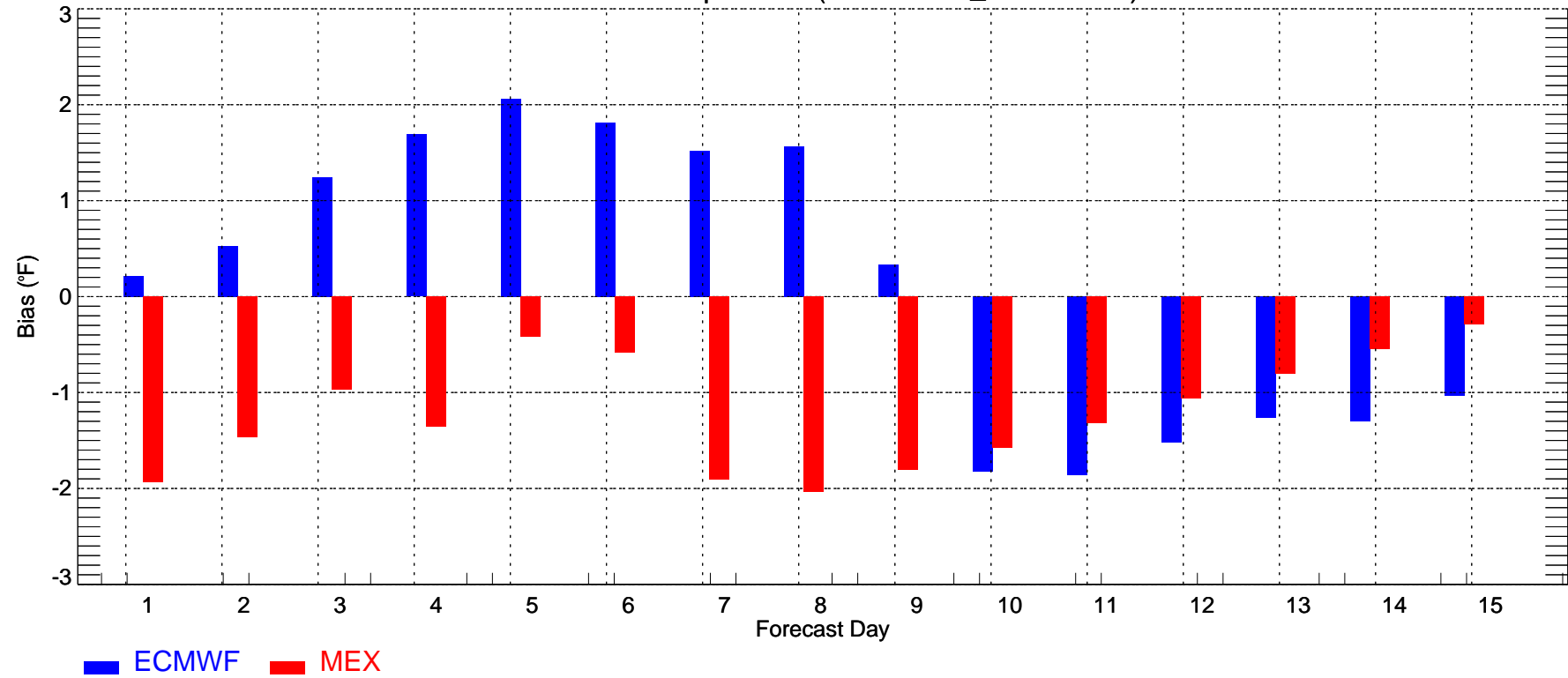
CVG: Min Temperature (2010-12-01\_2010-12-31)



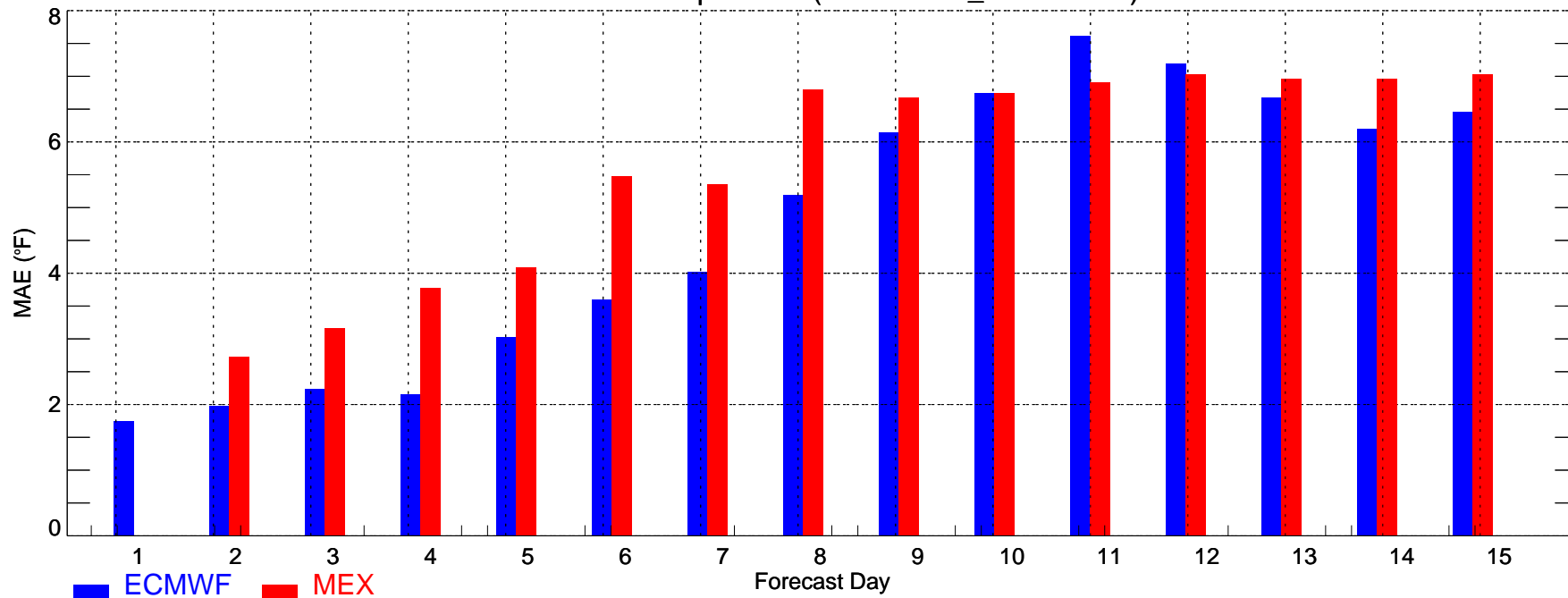
DFW: Max Temperature (2010-12-01\_2010-12-31)



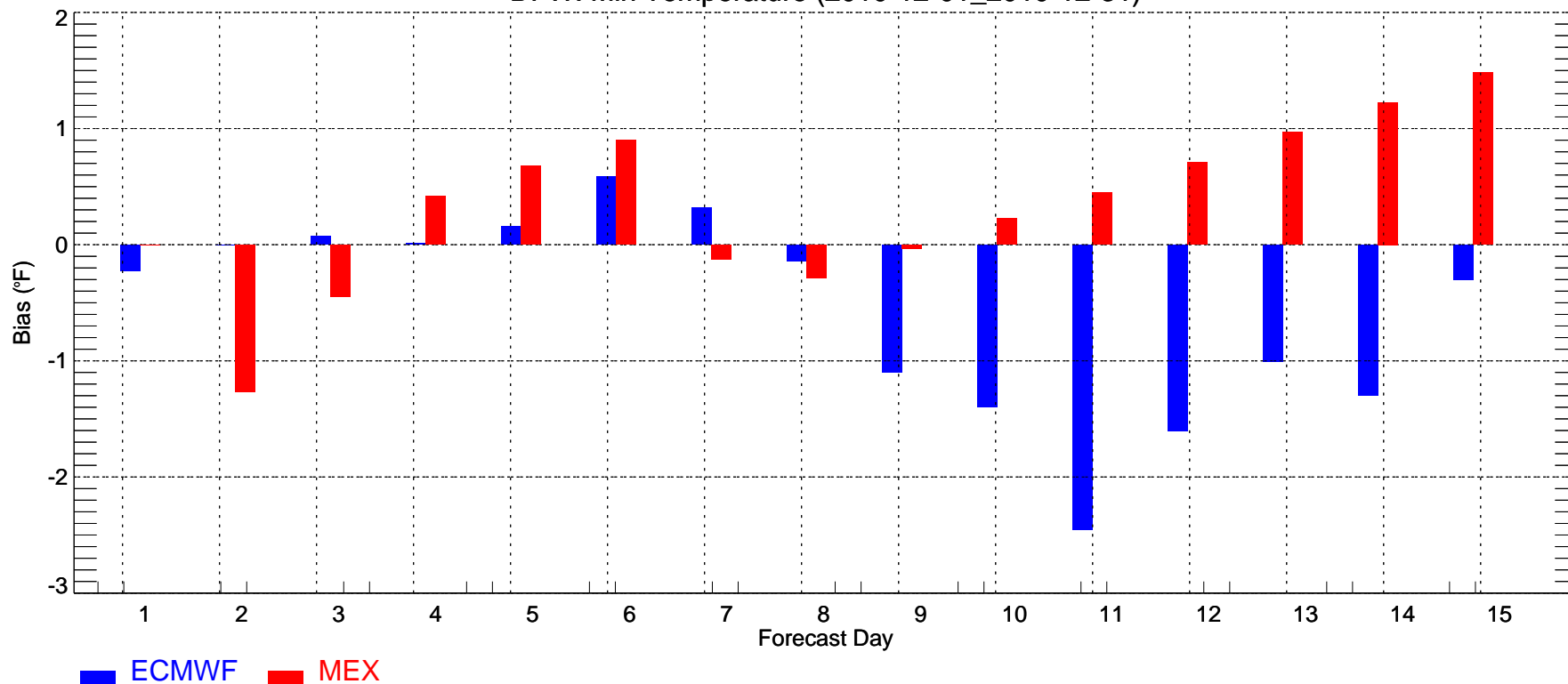
DFW: Max Temperature (2010-12-01\_2010-12-31)



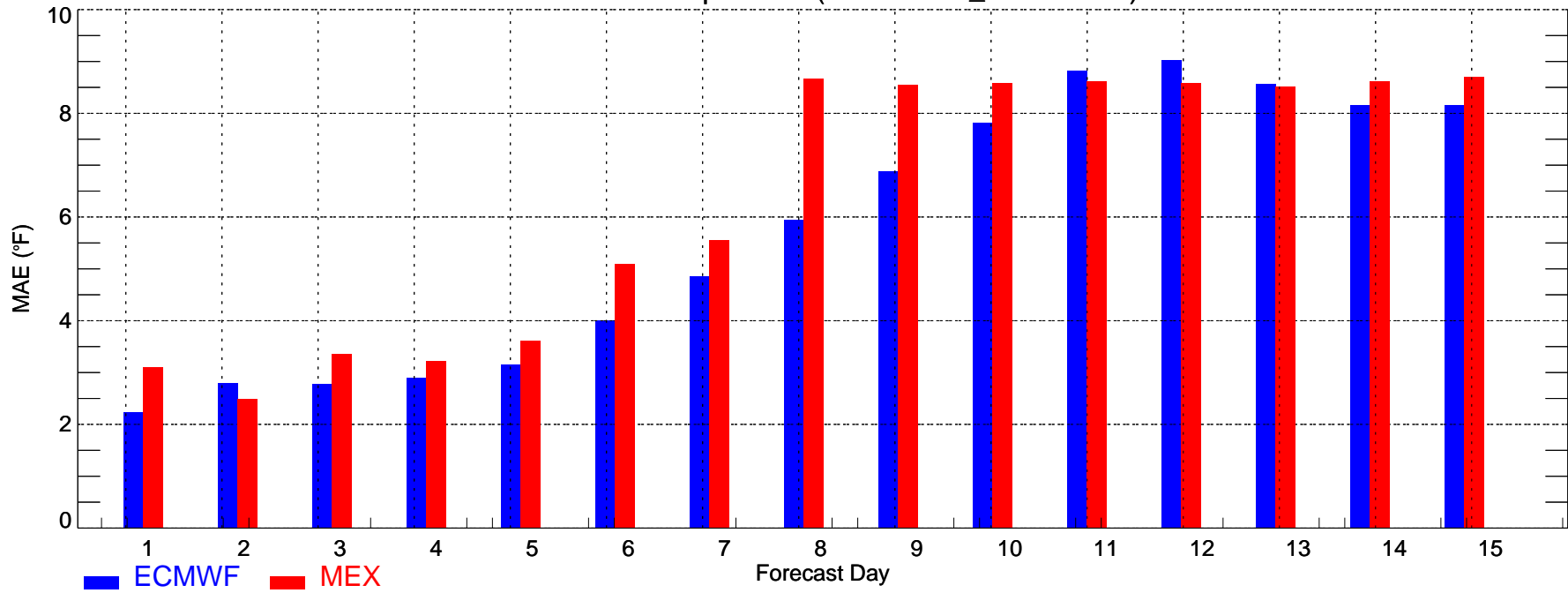
DFW: Min Temperature (2010-12-01\_2010-12-31)



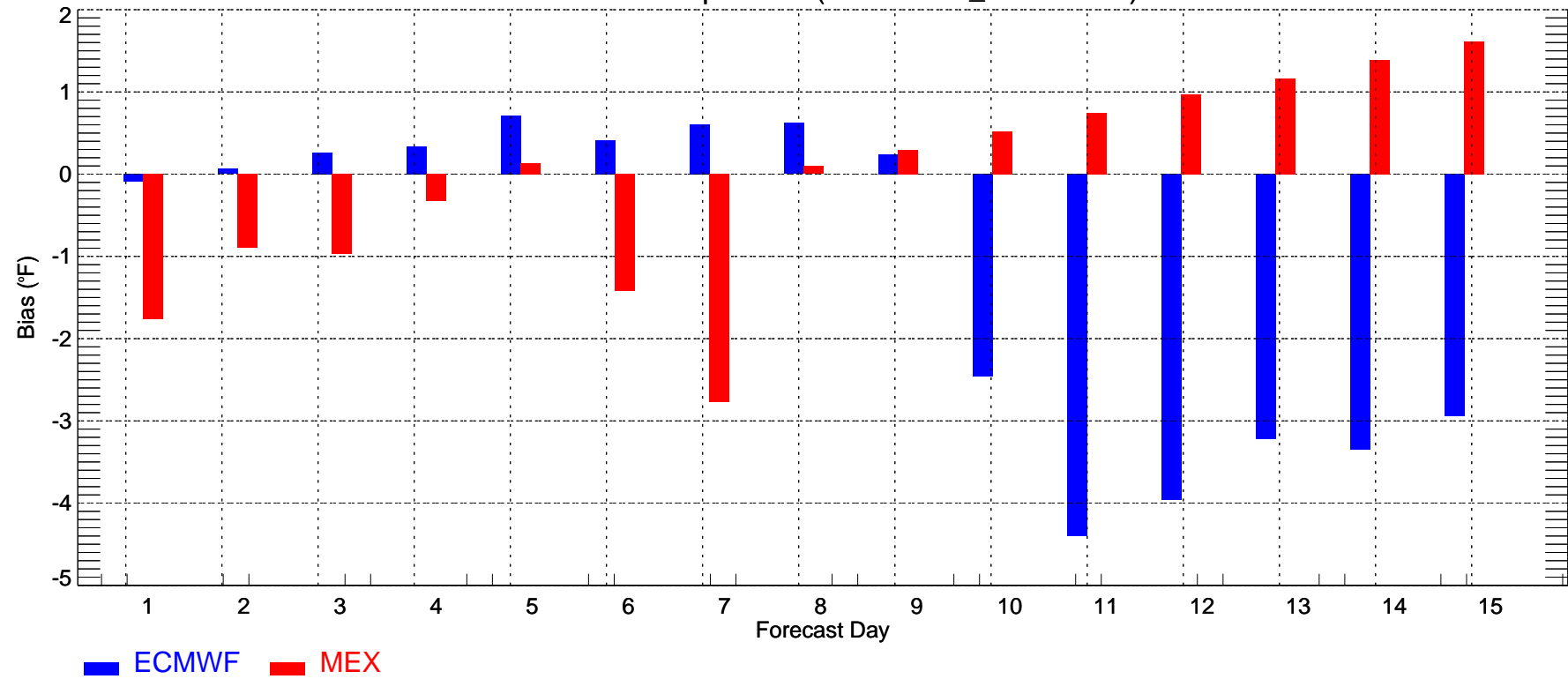
DFW: Min Temperature (2010-12-01\_2010-12-31)



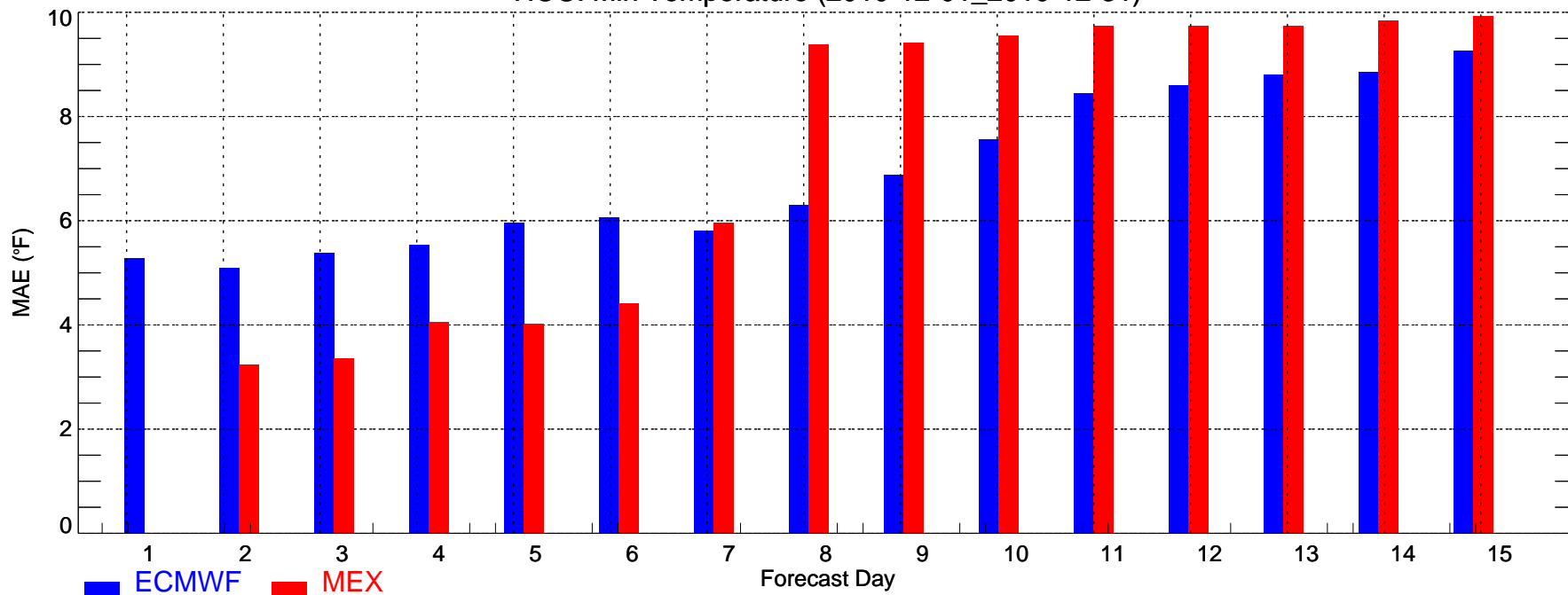
HOU: Max Temperature (2010-12-01\_2010-12-31)



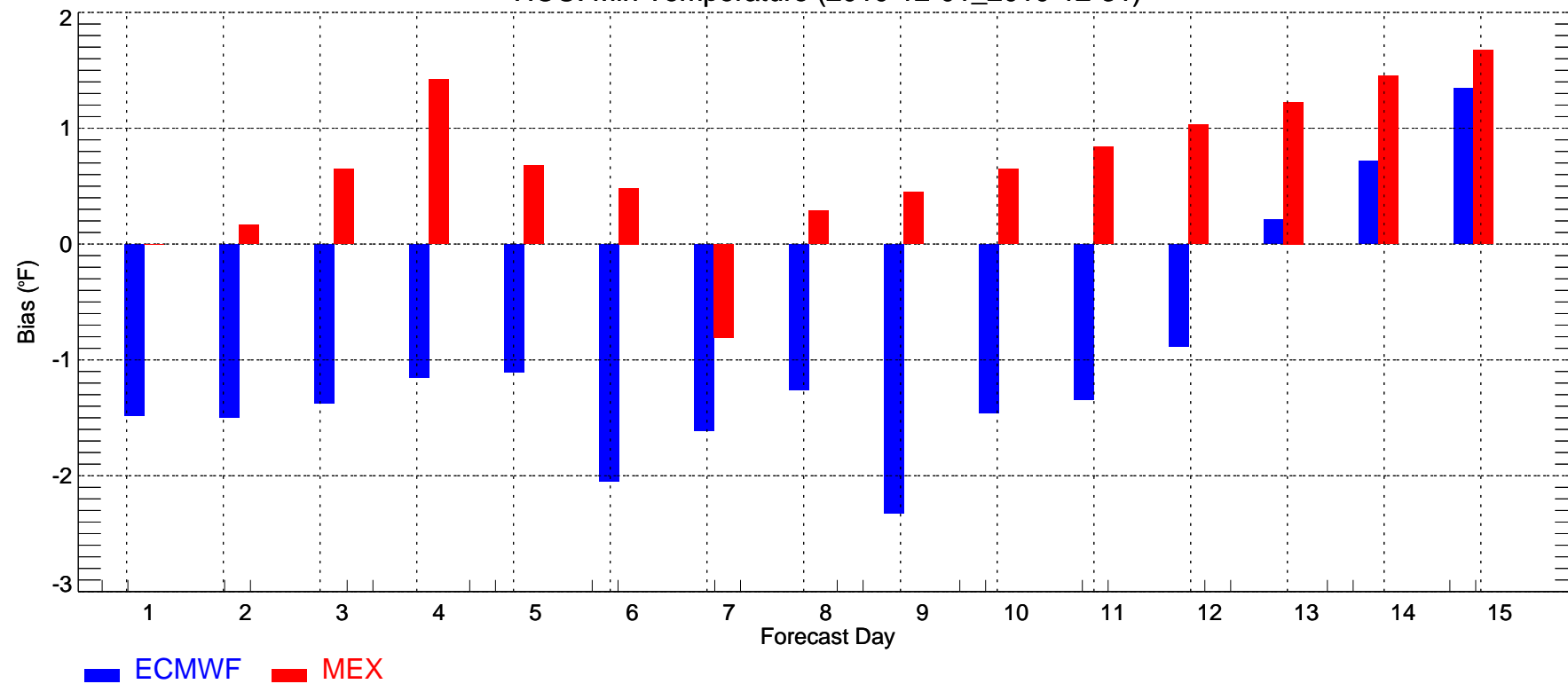
HOU: Max Temperature (2010-12-01\_2010-12-31)



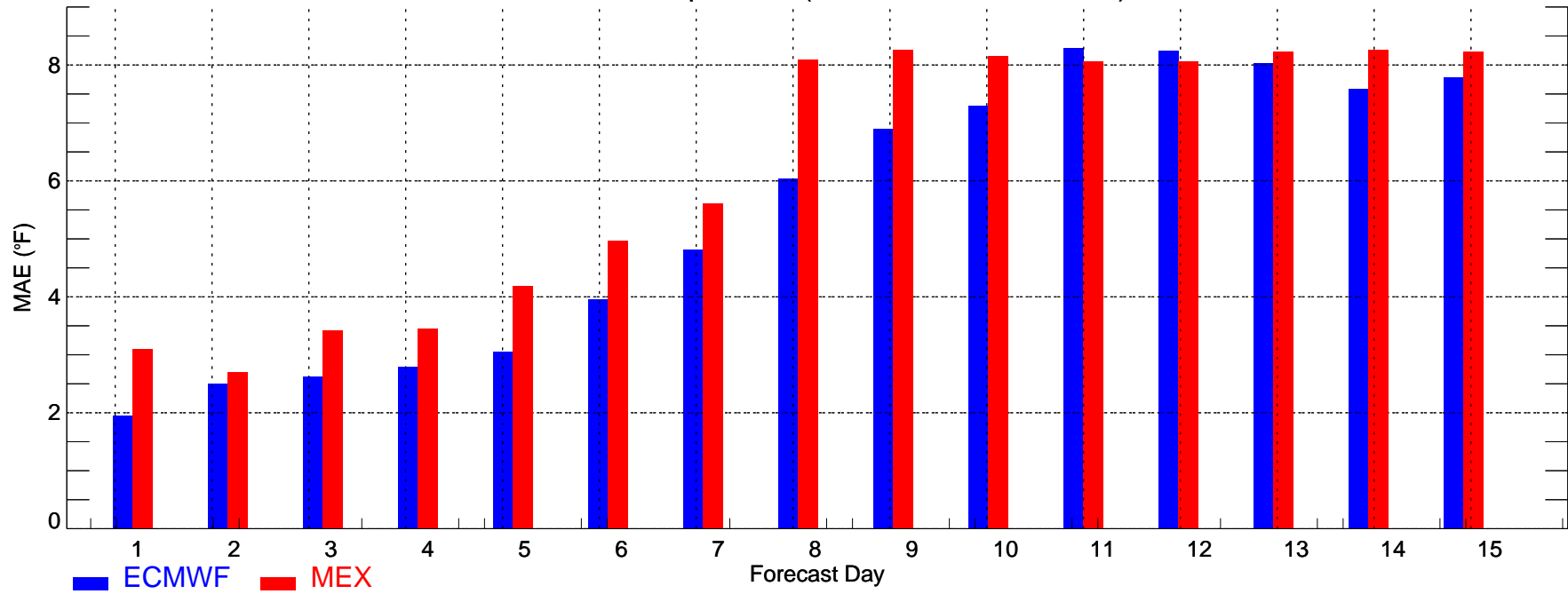
HOU: Min Temperature (2010-12-01\_2010-12-31)



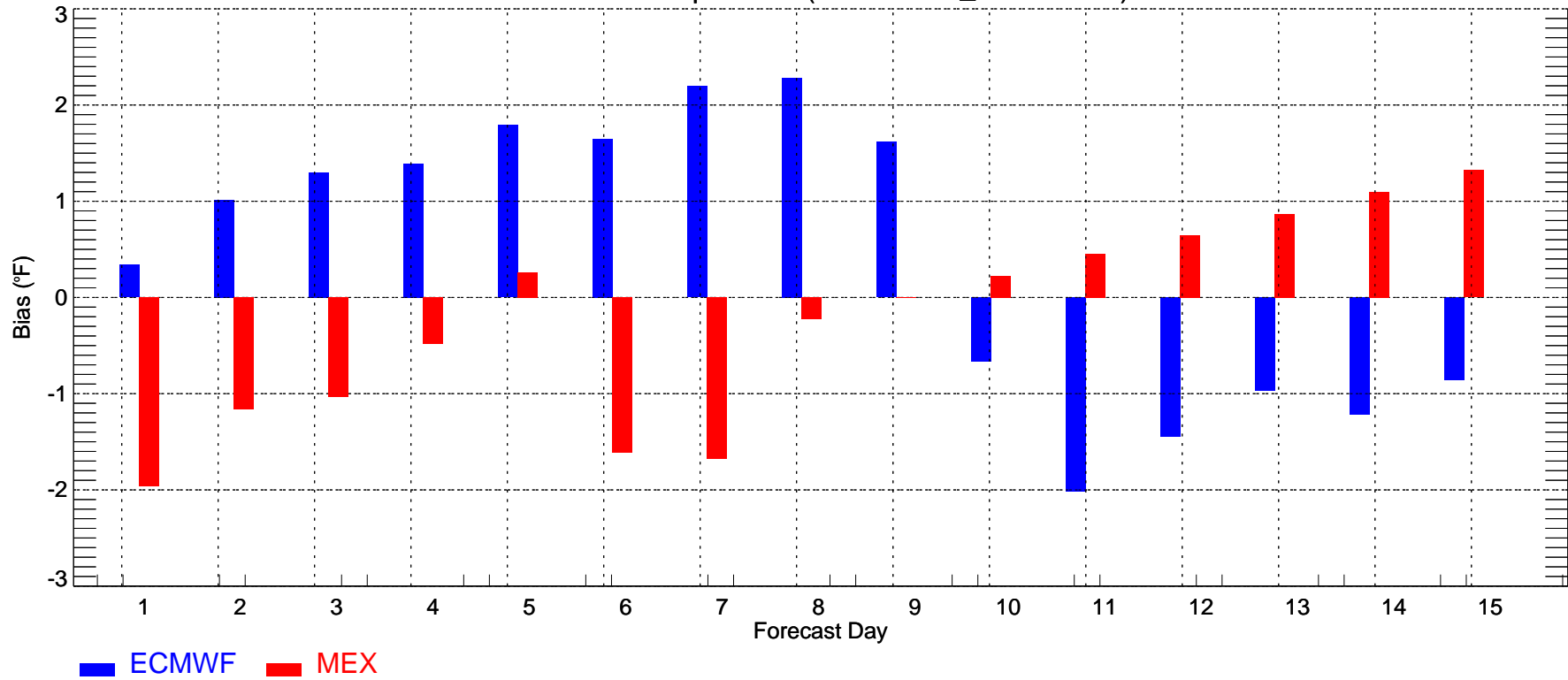
HOU: Min Temperature (2010-12-01\_2010-12-31)



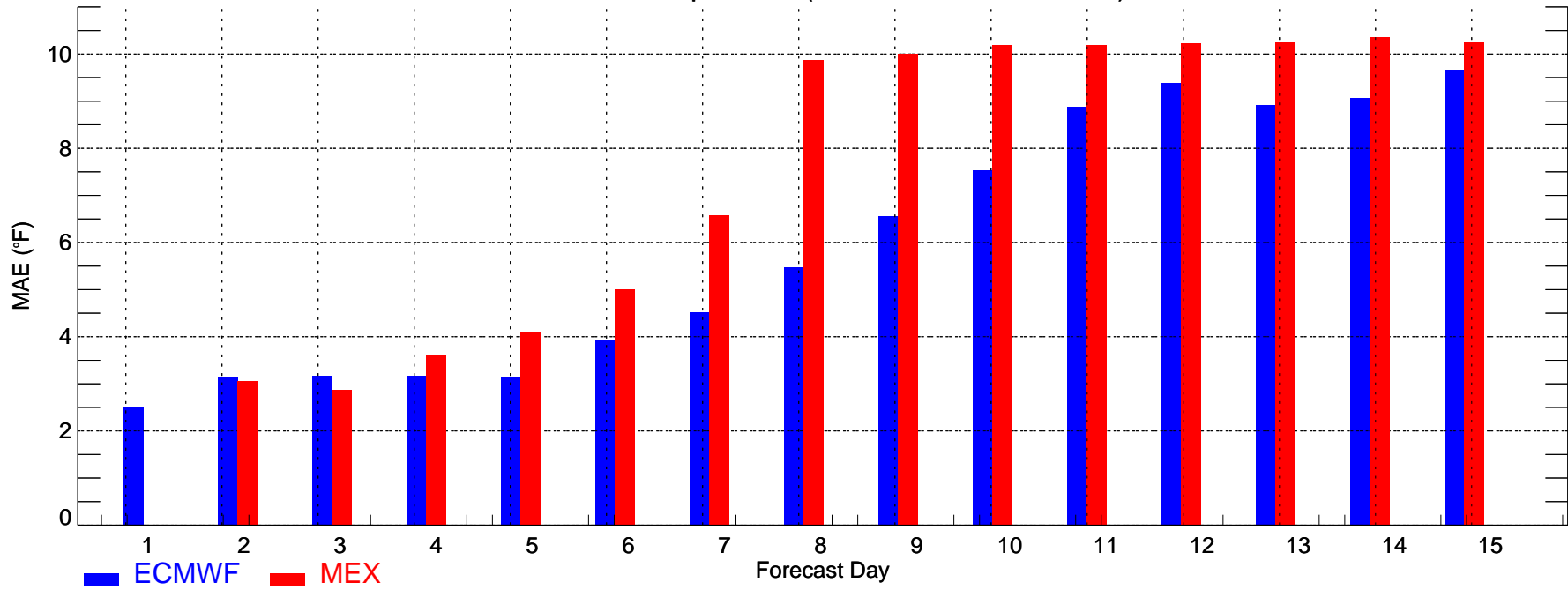
IAH: Max Temperature (2010-12-01\_2010-12-31)



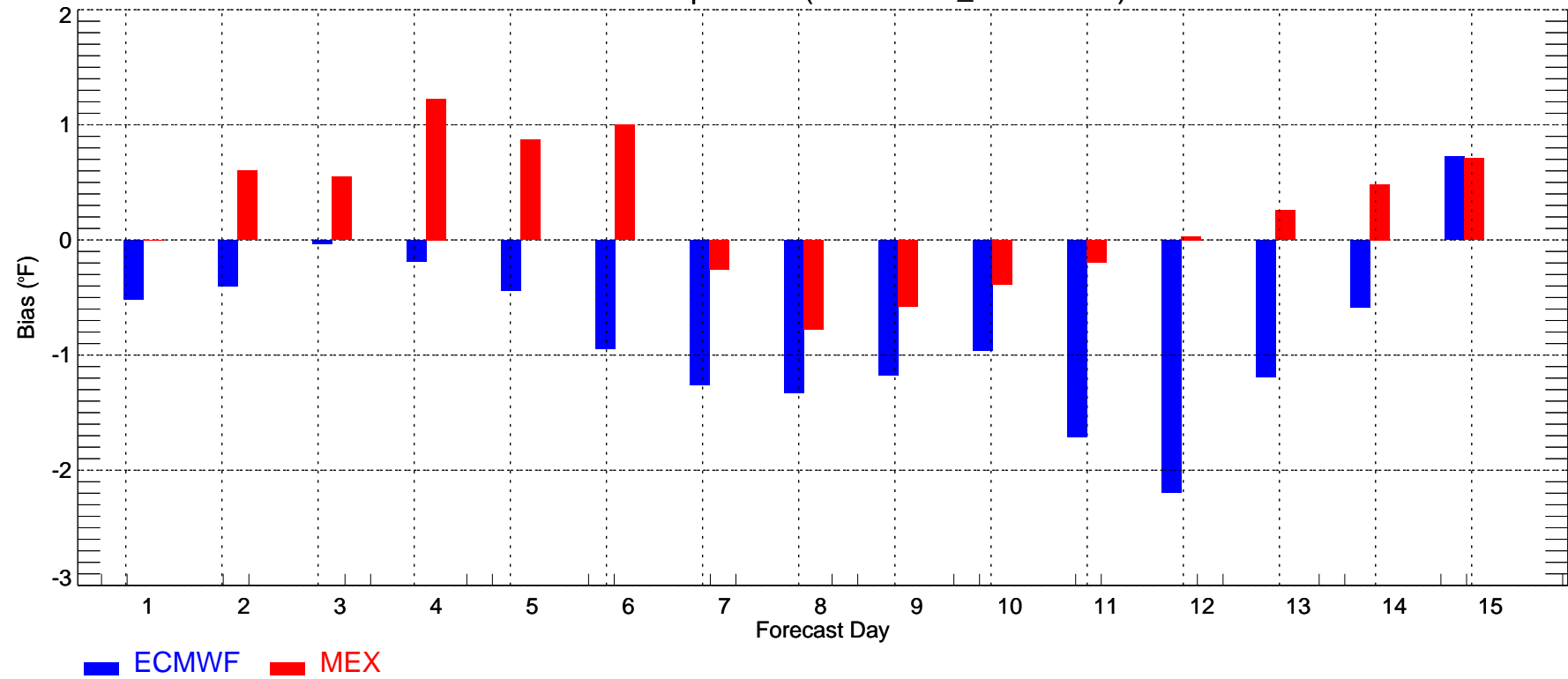
IAH: Max Temperature (2010-12-01\_2010-12-31)



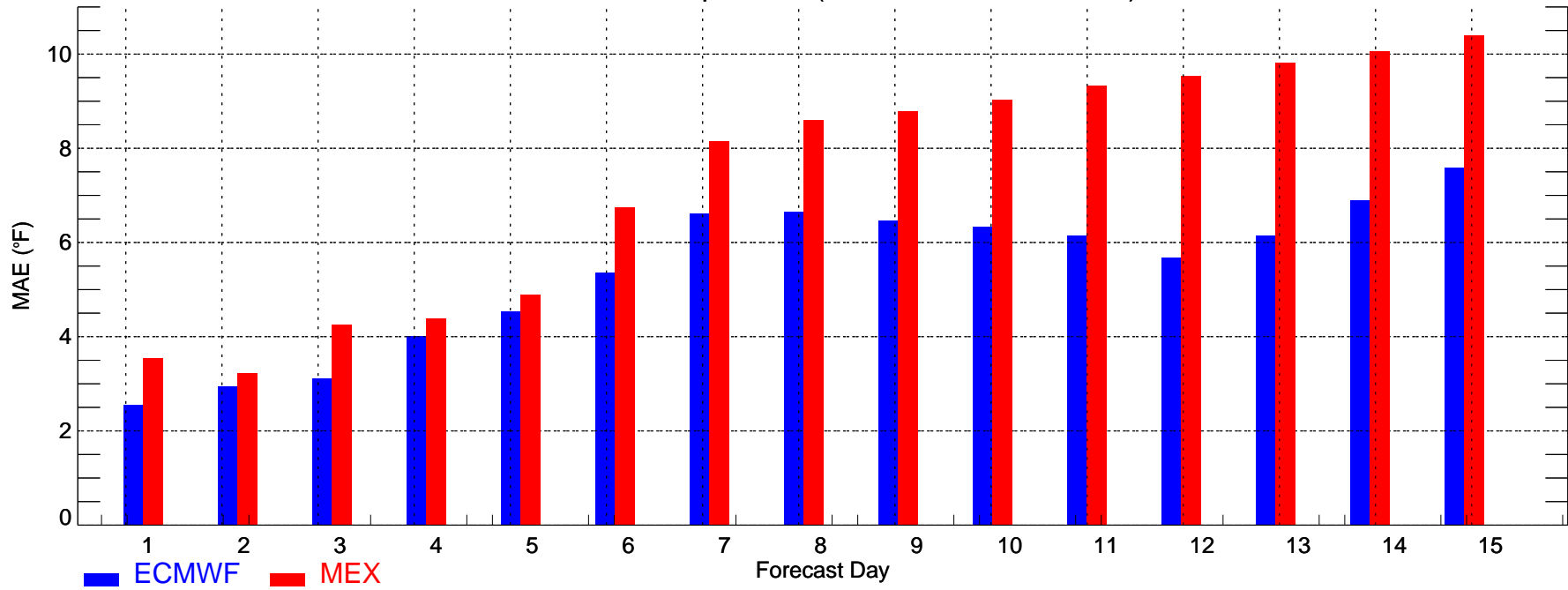
IAH: Min Temperature (2010-12-01\_2010-12-31)



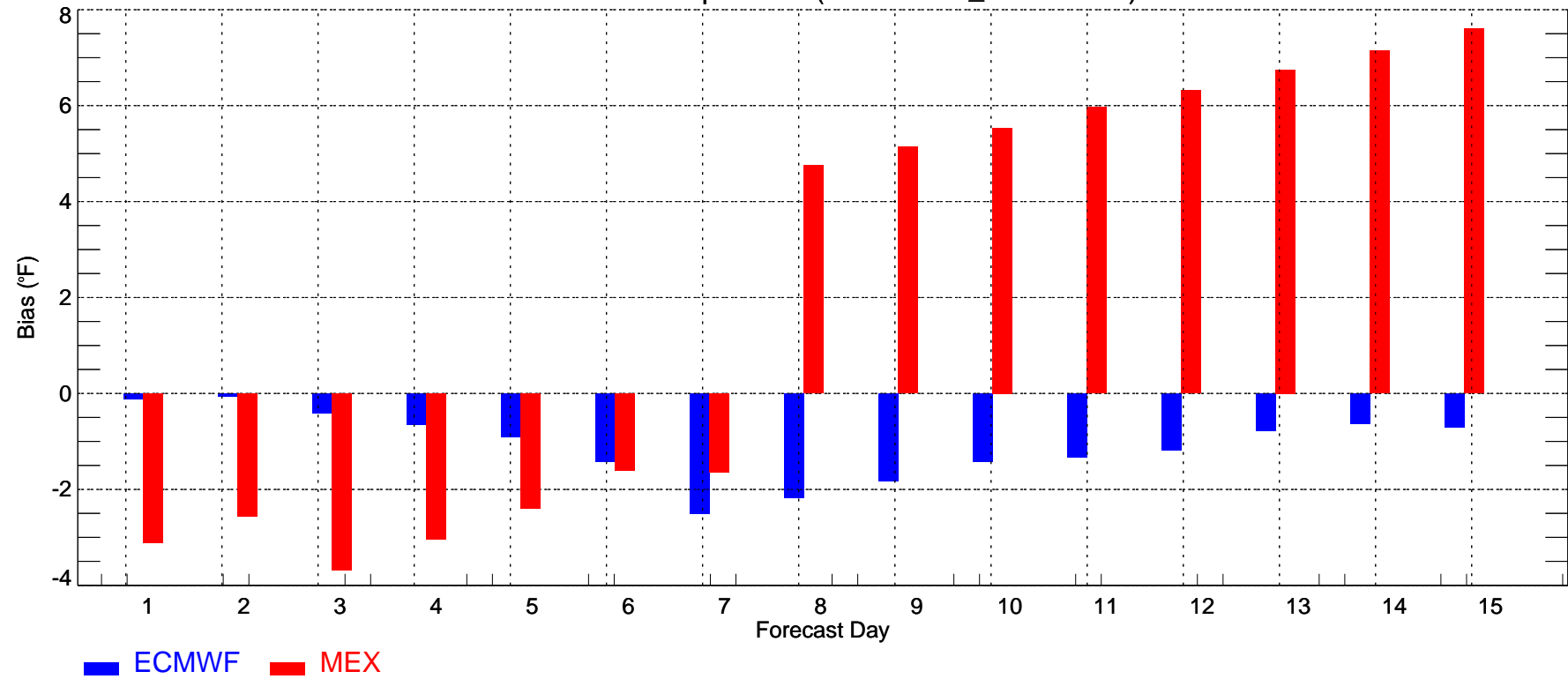
IAH: Min Temperature (2010-12-01\_2010-12-31)



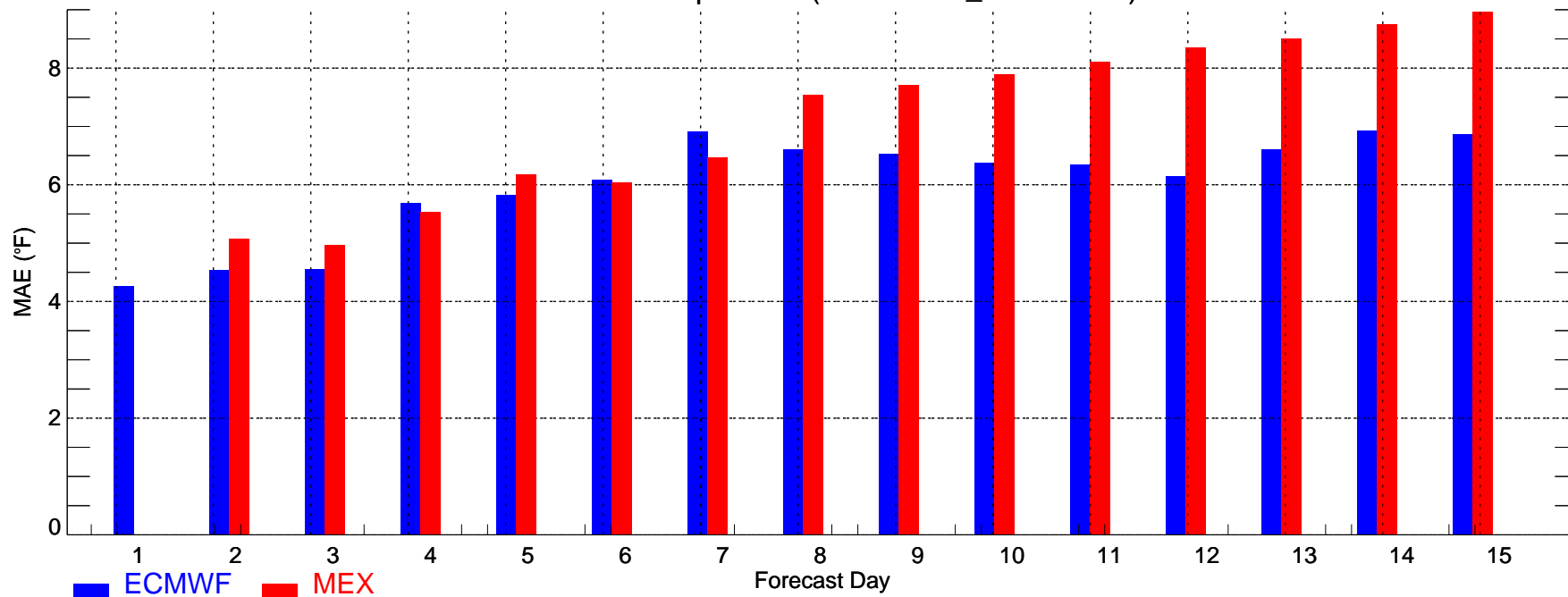
MSP: Max Temperature (2010-12-01\_2010-12-31)



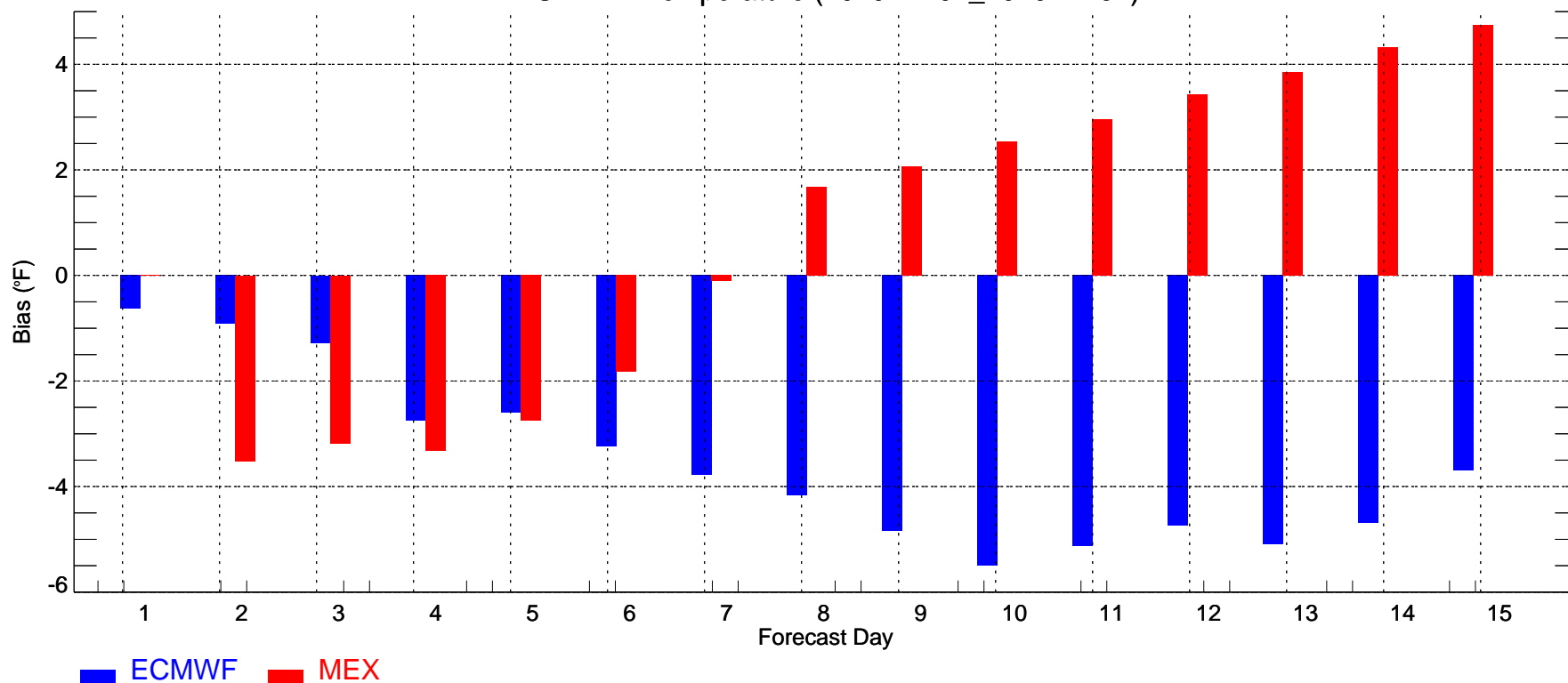
MSP: Max Temperature (2010-12-01\_2010-12-31)



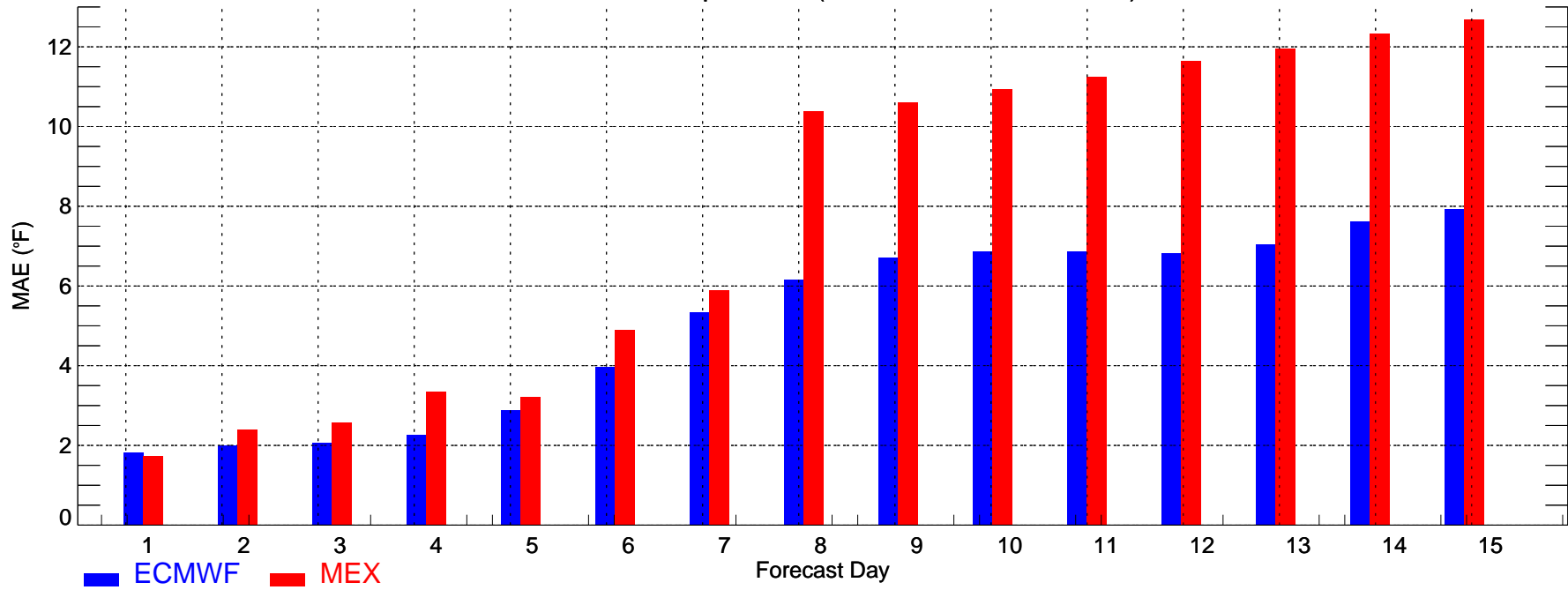
MSP: Min Temperature (2010-12-01\_2010-12-31)



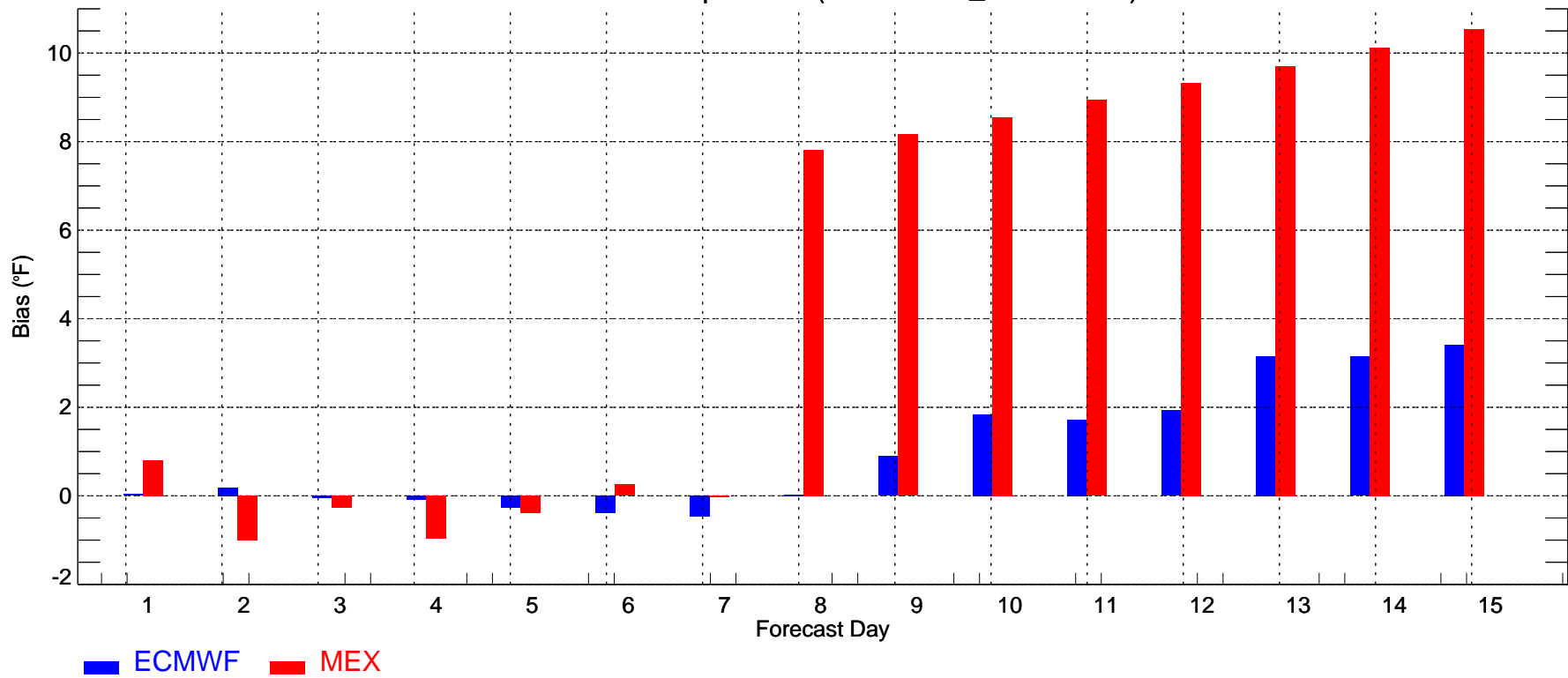
MSP: Min Temperature (2010-12-01\_2010-12-31)



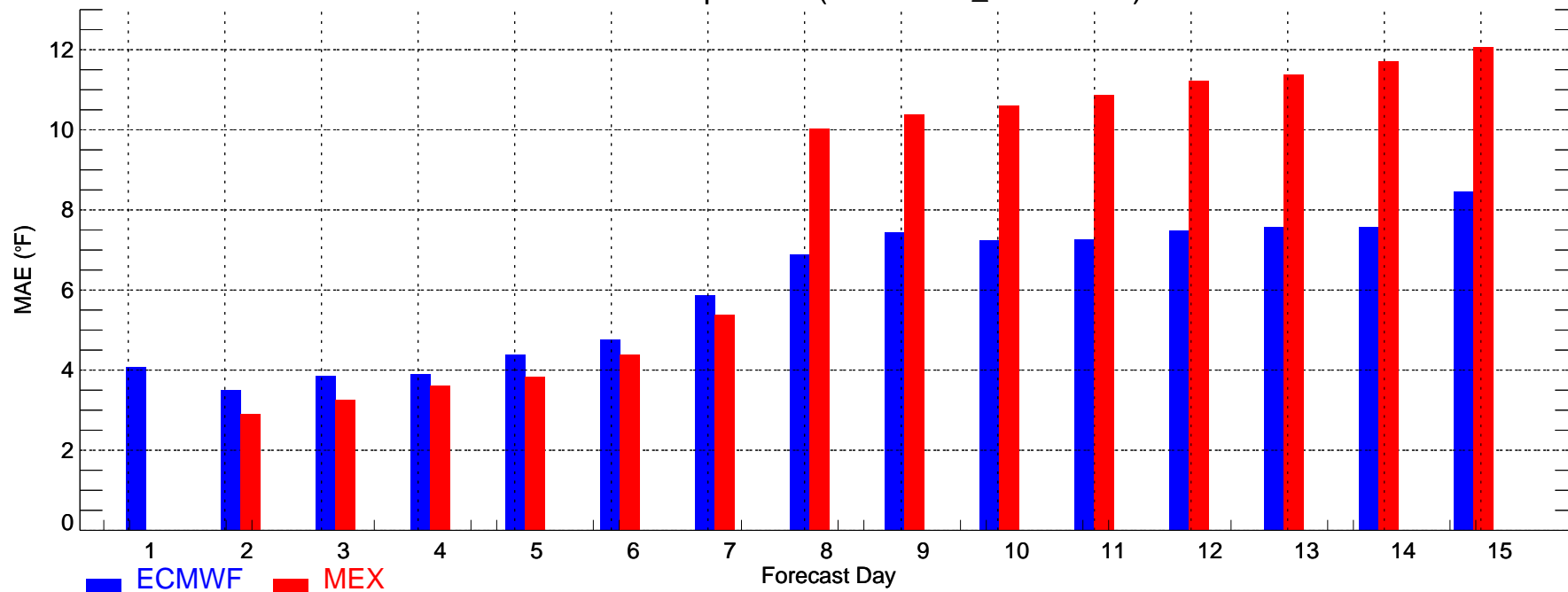
ORD: Max Temperature (2010-12-01\_2010-12-31)



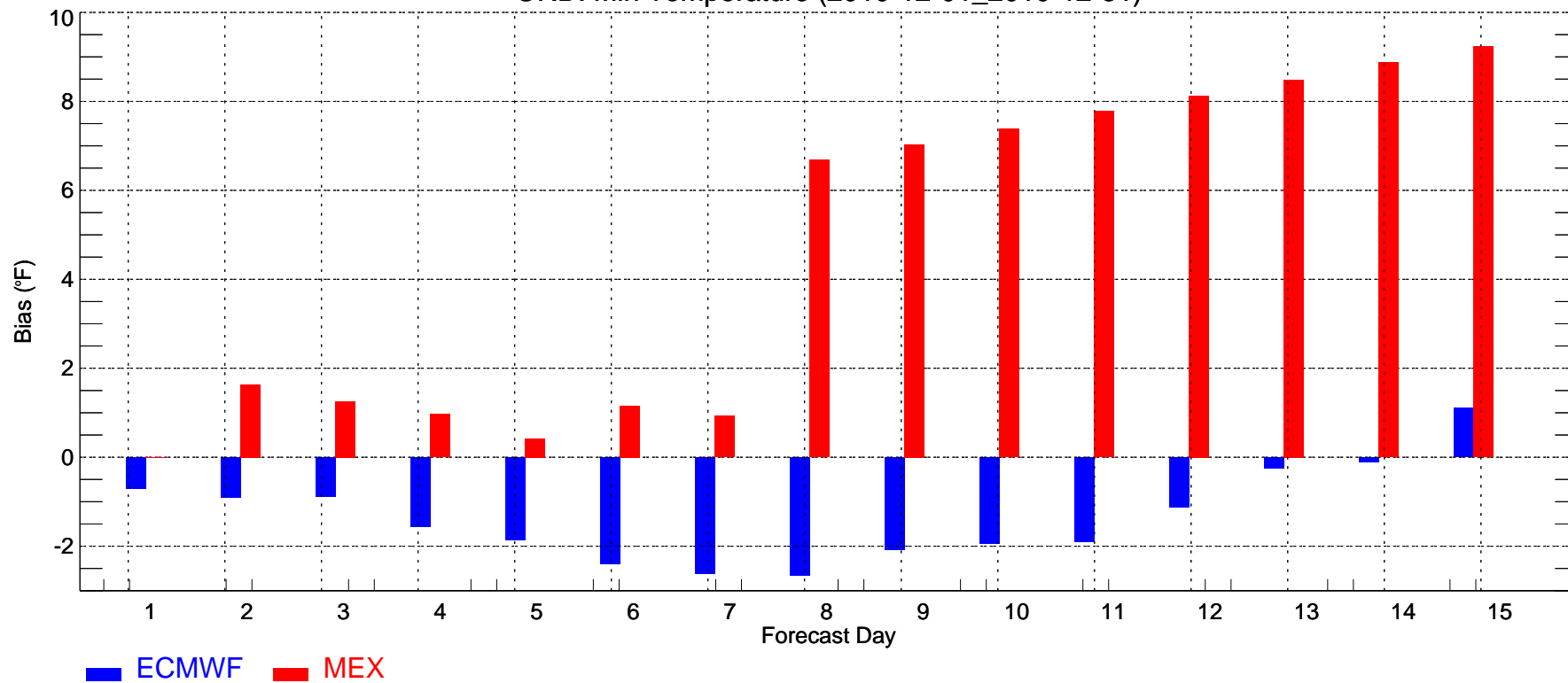
ORD: Max Temperature (2010-12-01\_2010-12-31)



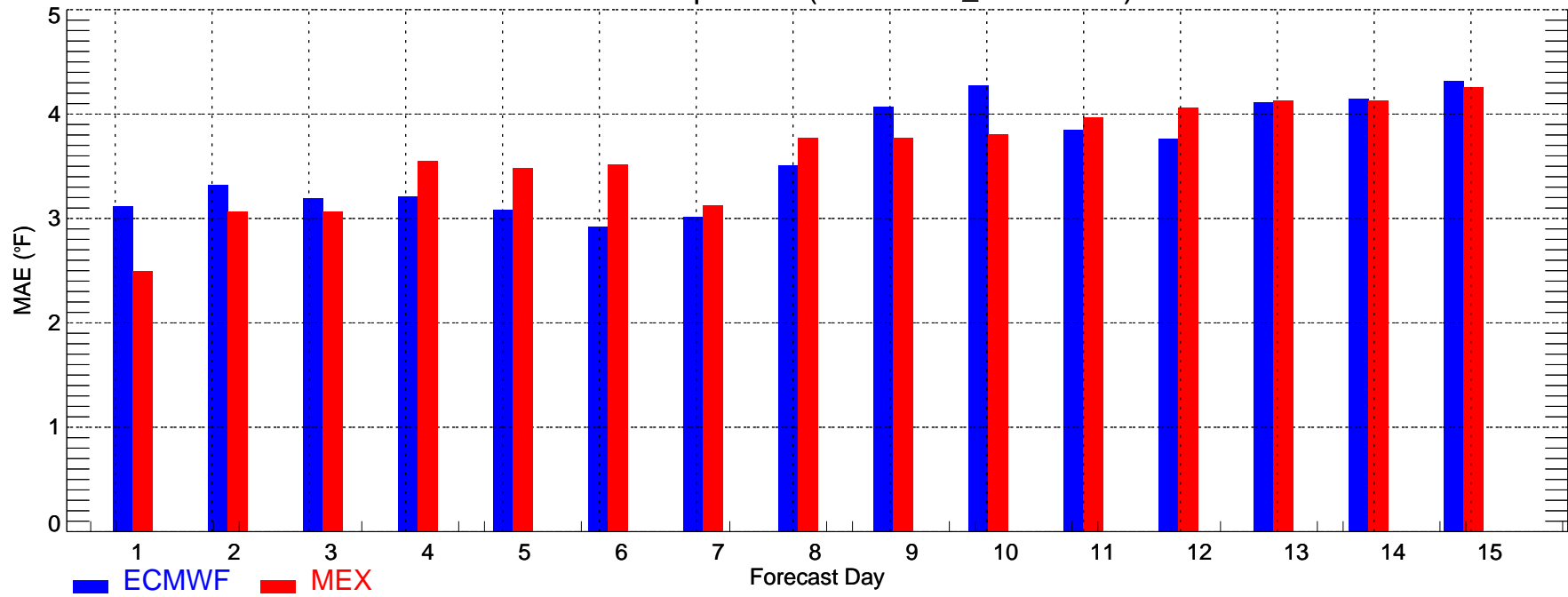
ORD: Min Temperature (2010-12-01\_2010-12-31)



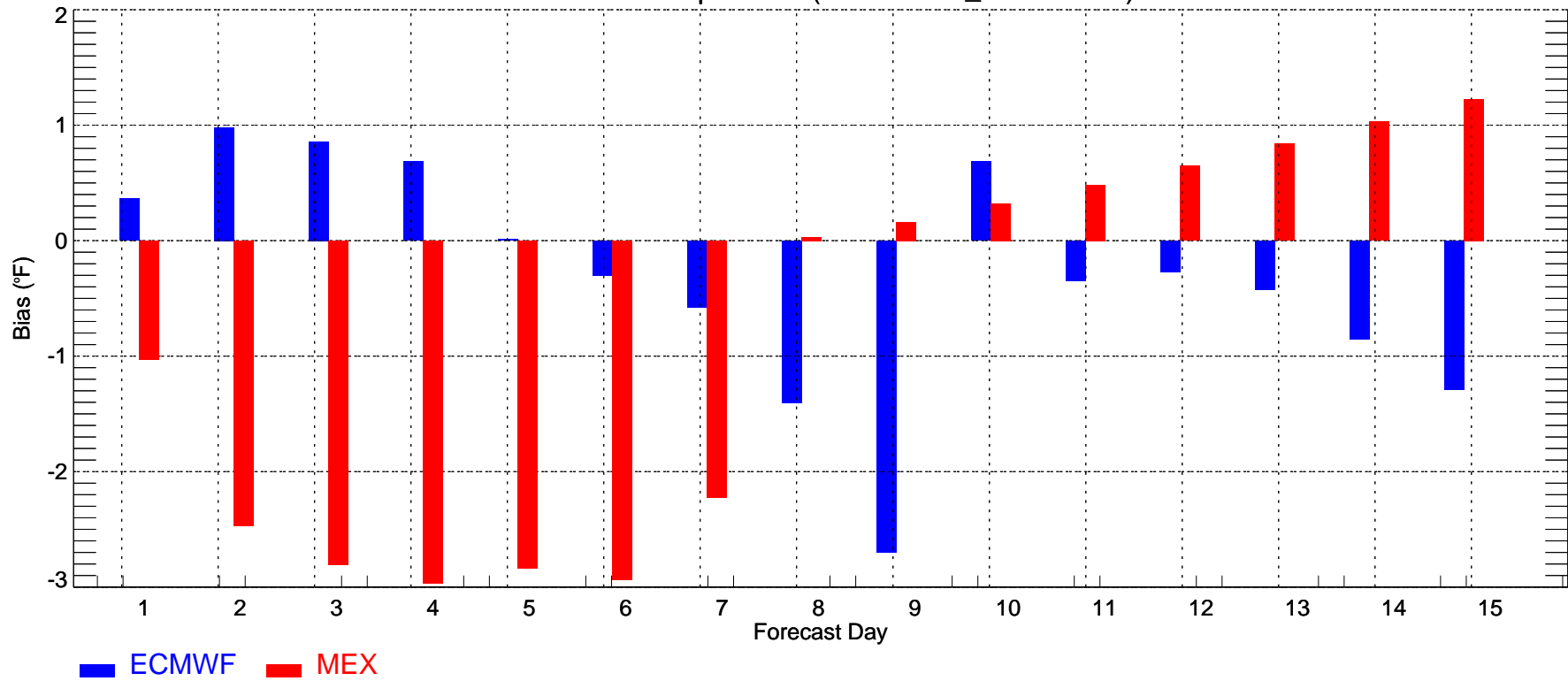
ORD: Min Temperature (2010-12-01\_2010-12-31)



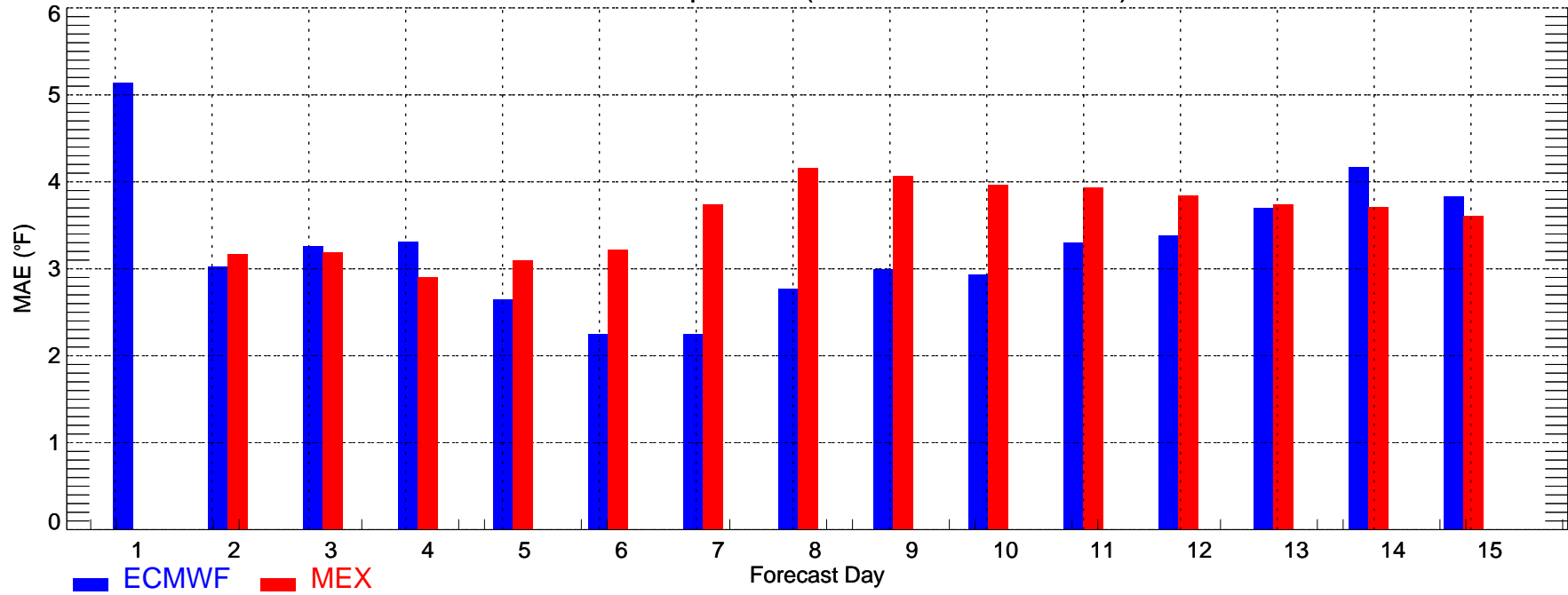
PDX: Max Temperature (2010-12-01\_2010-12-31)



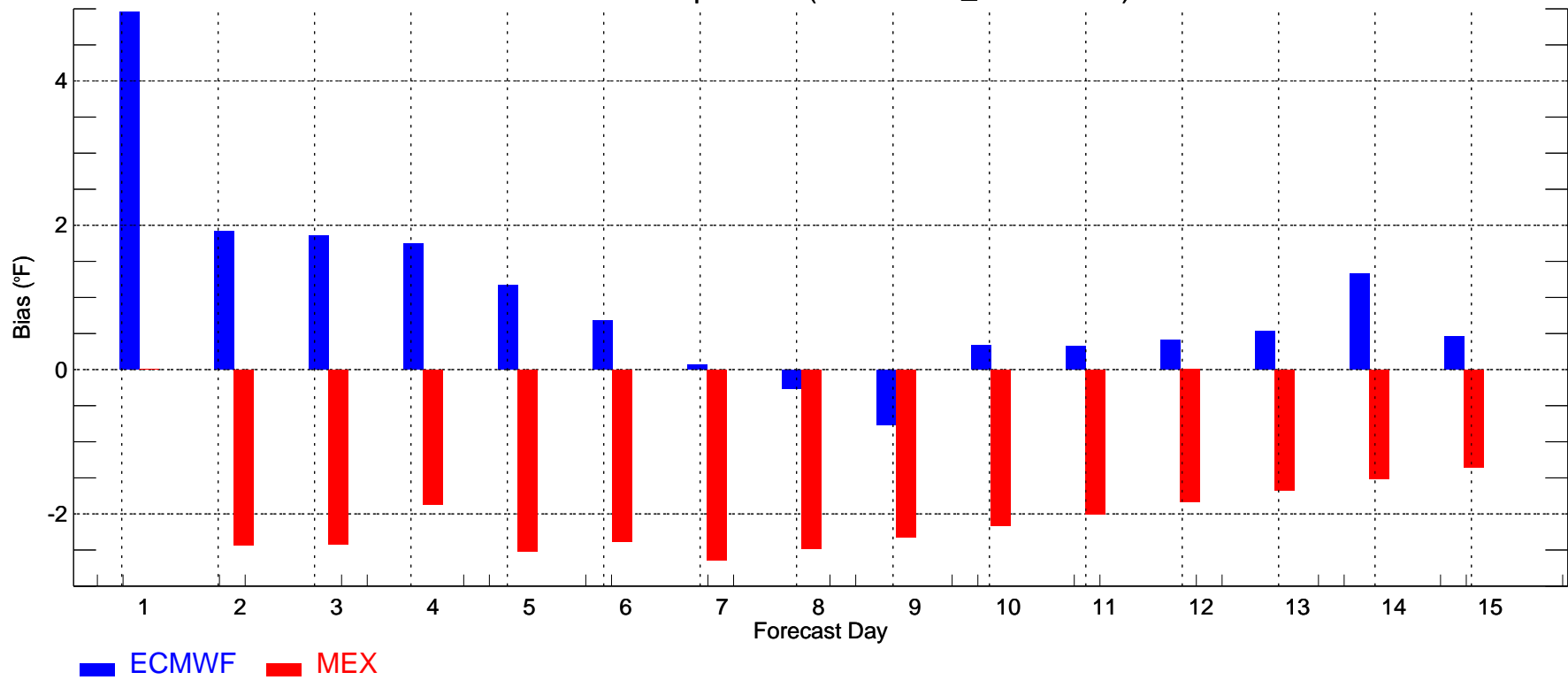
PDX: Max Temperature (2010-12-01\_2010-12-31)



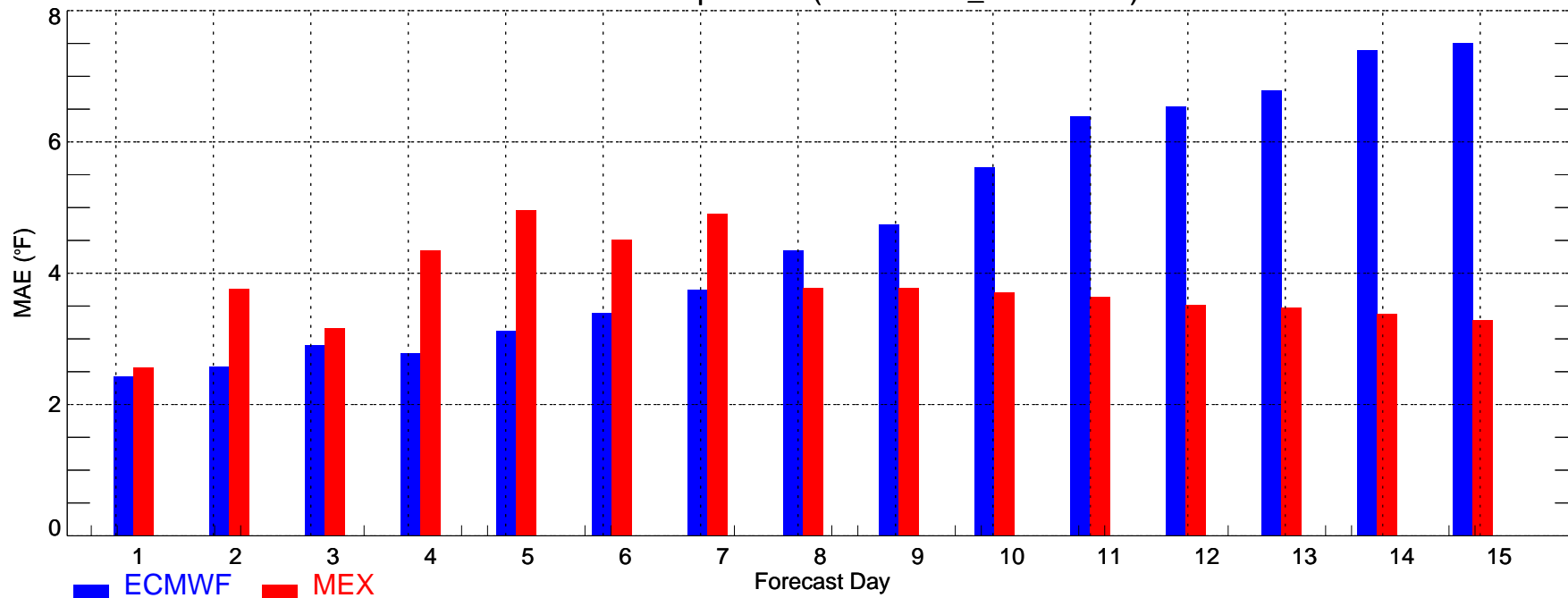
PDX: Min Temperature (2010-12-01\_2010-12-31)



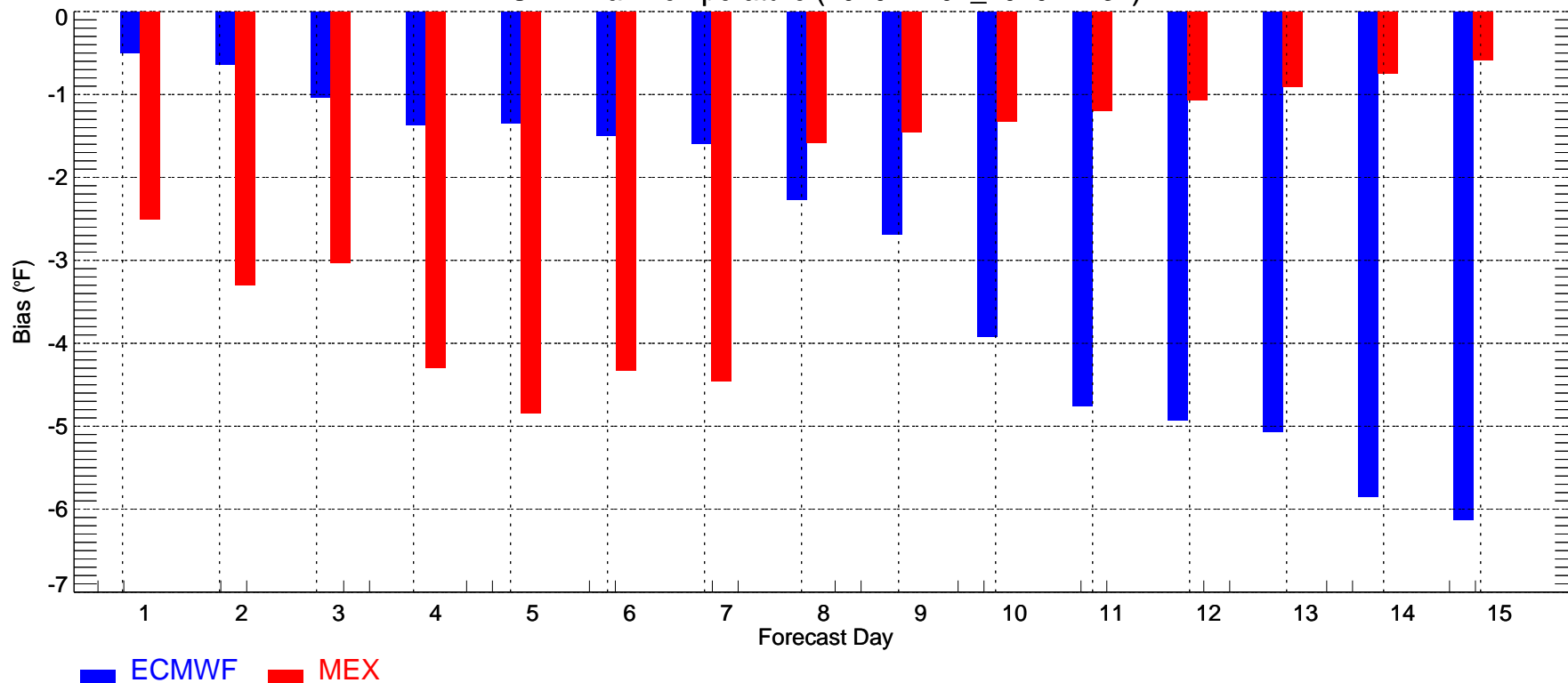
PDX: Min Temperature (2010-12-01\_2010-12-31)



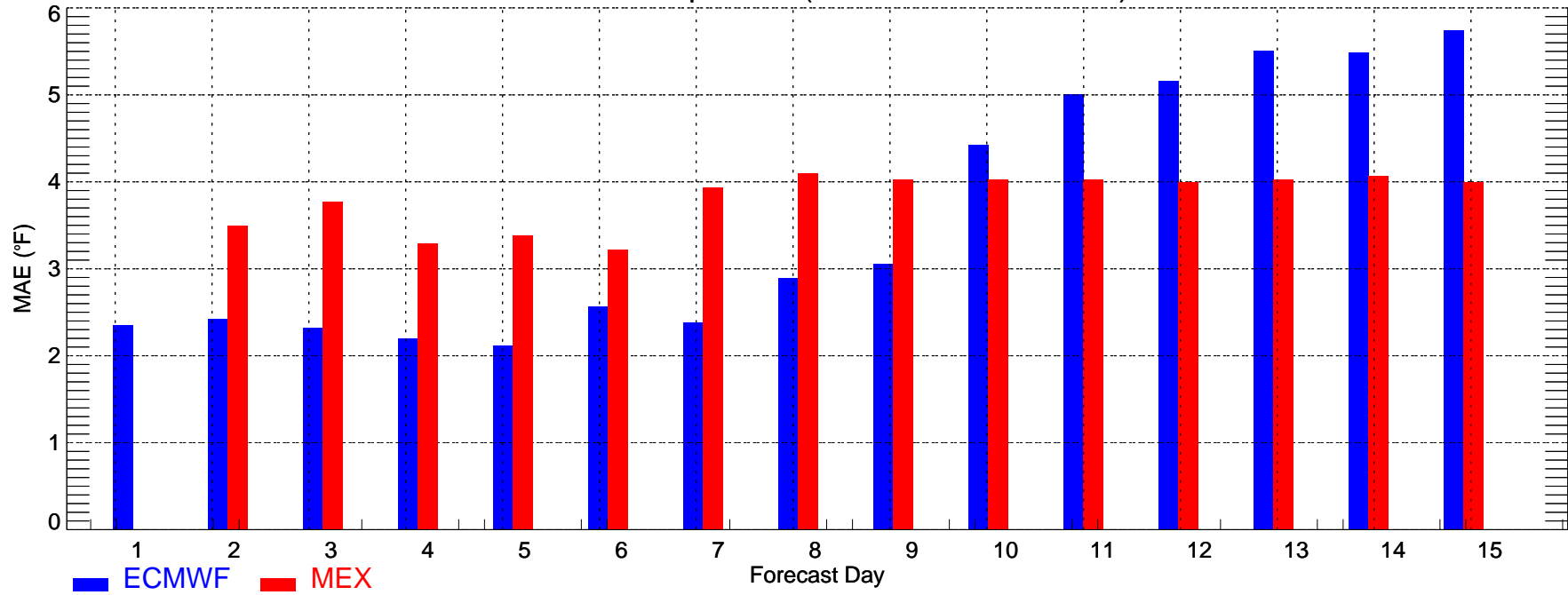
SEA: Max Temperature (2010-12-01\_2010-12-31)



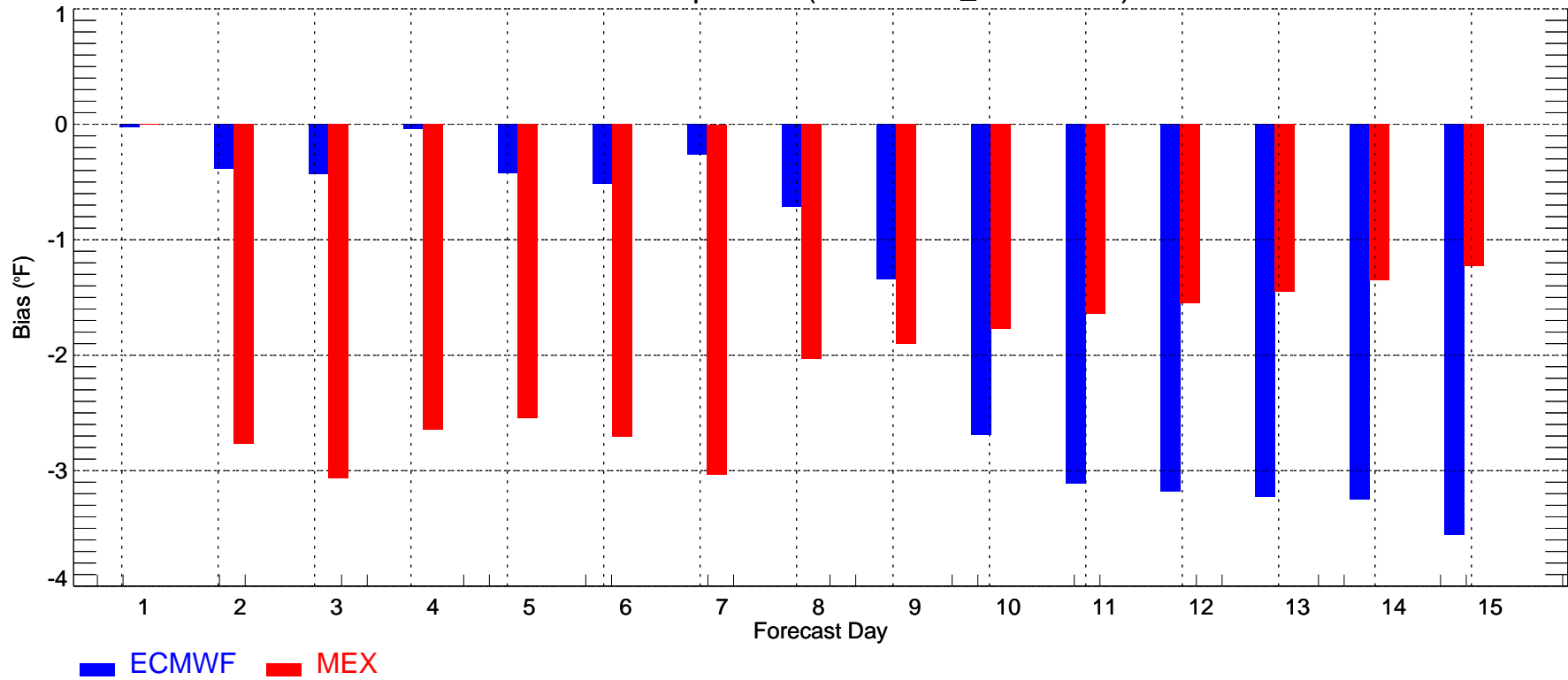
SEA: Max Temperature (2010-12-01\_2010-12-31)



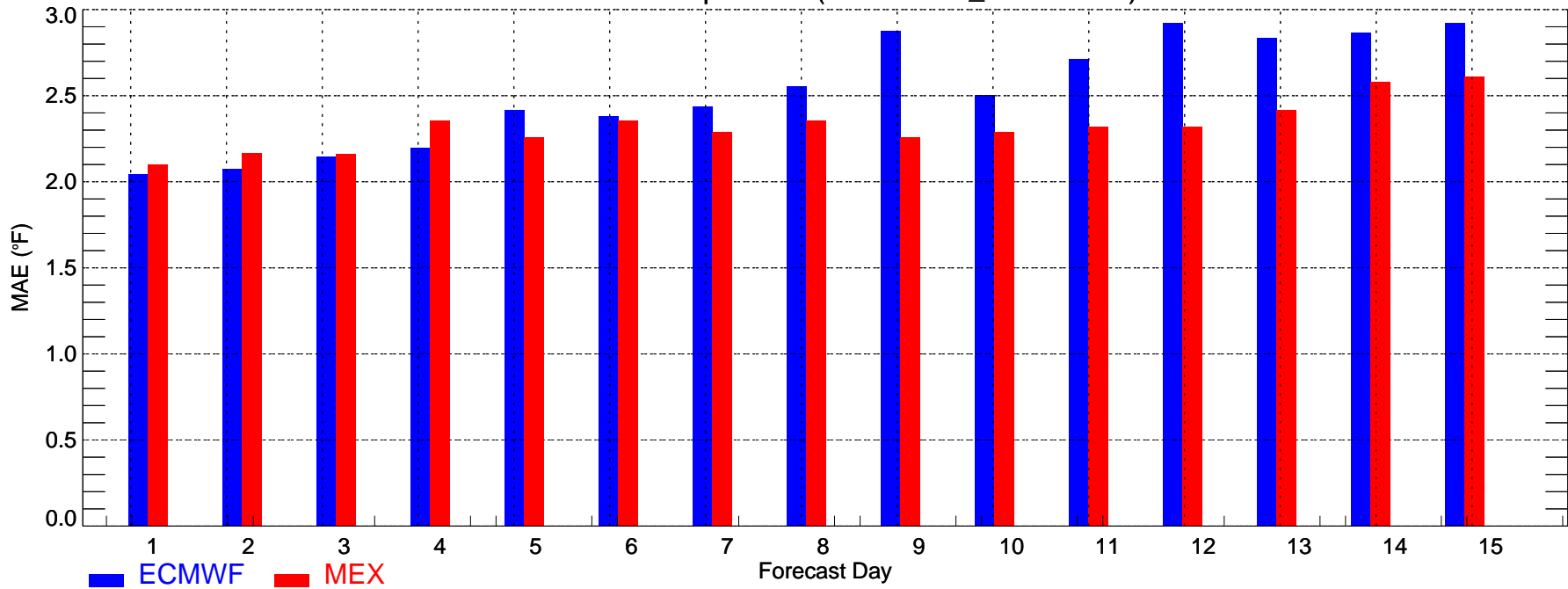
SEA: Min Temperature (2010-12-01\_2010-12-31)



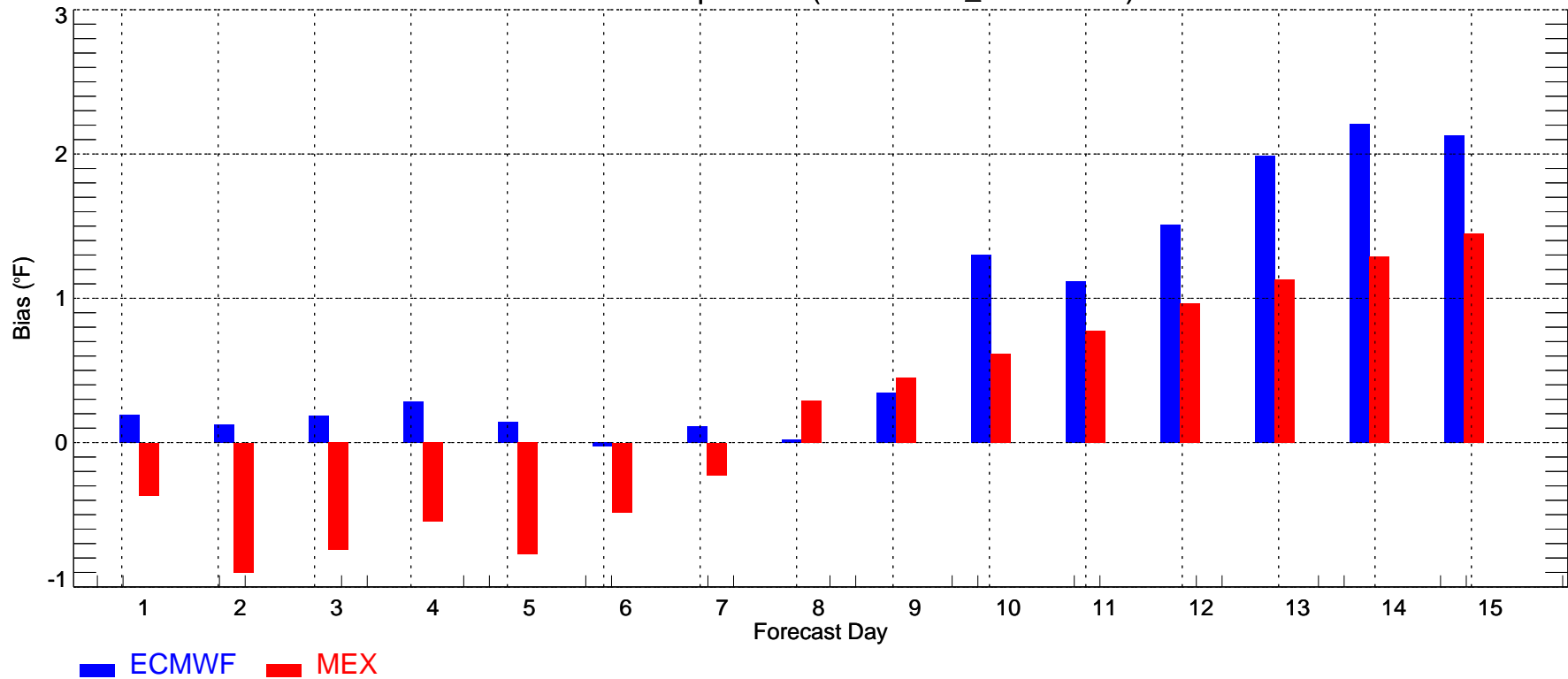
SEA: Min Temperature (2010-12-01\_2010-12-31)



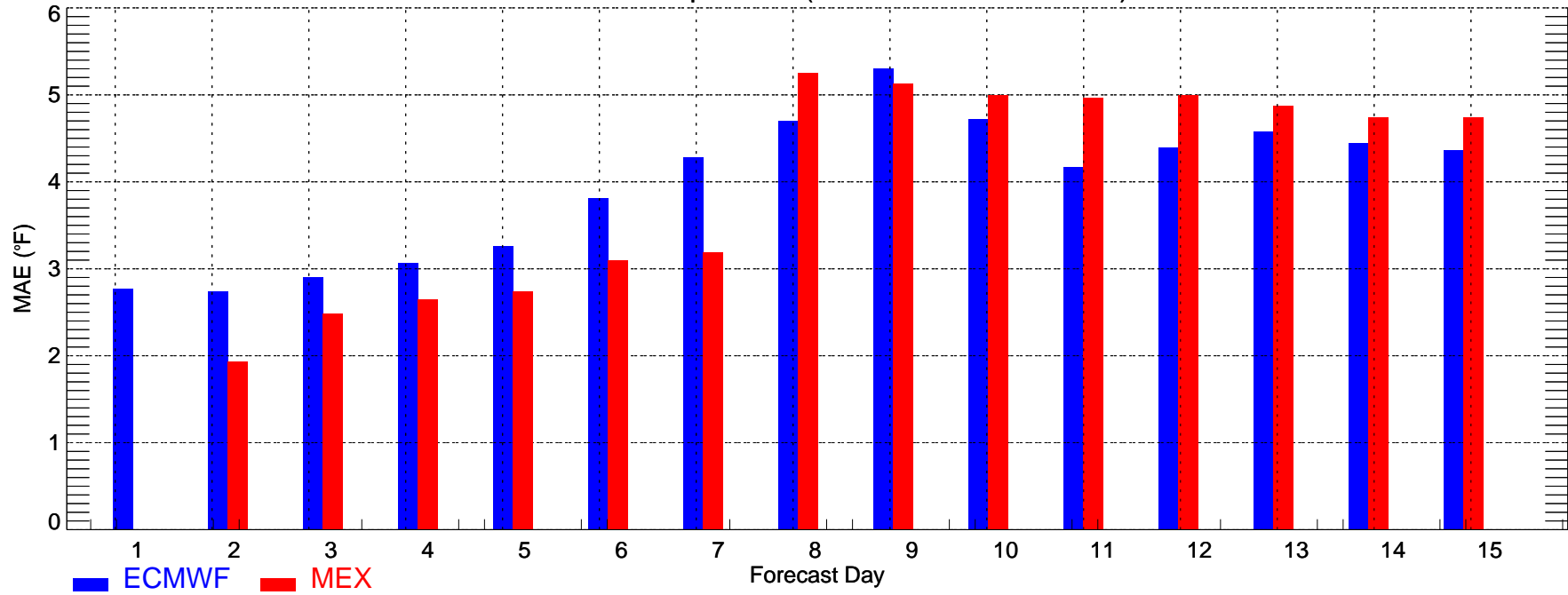
SFO: Max Temperature (2010-12-01\_2010-12-31)



SFO: Max Temperature (2010-12-01\_2010-12-31)



SFO: Min Temperature (2010-12-01\_2010-12-31)



SFO: Min Temperature (2010-12-01\_2010-12-31)

