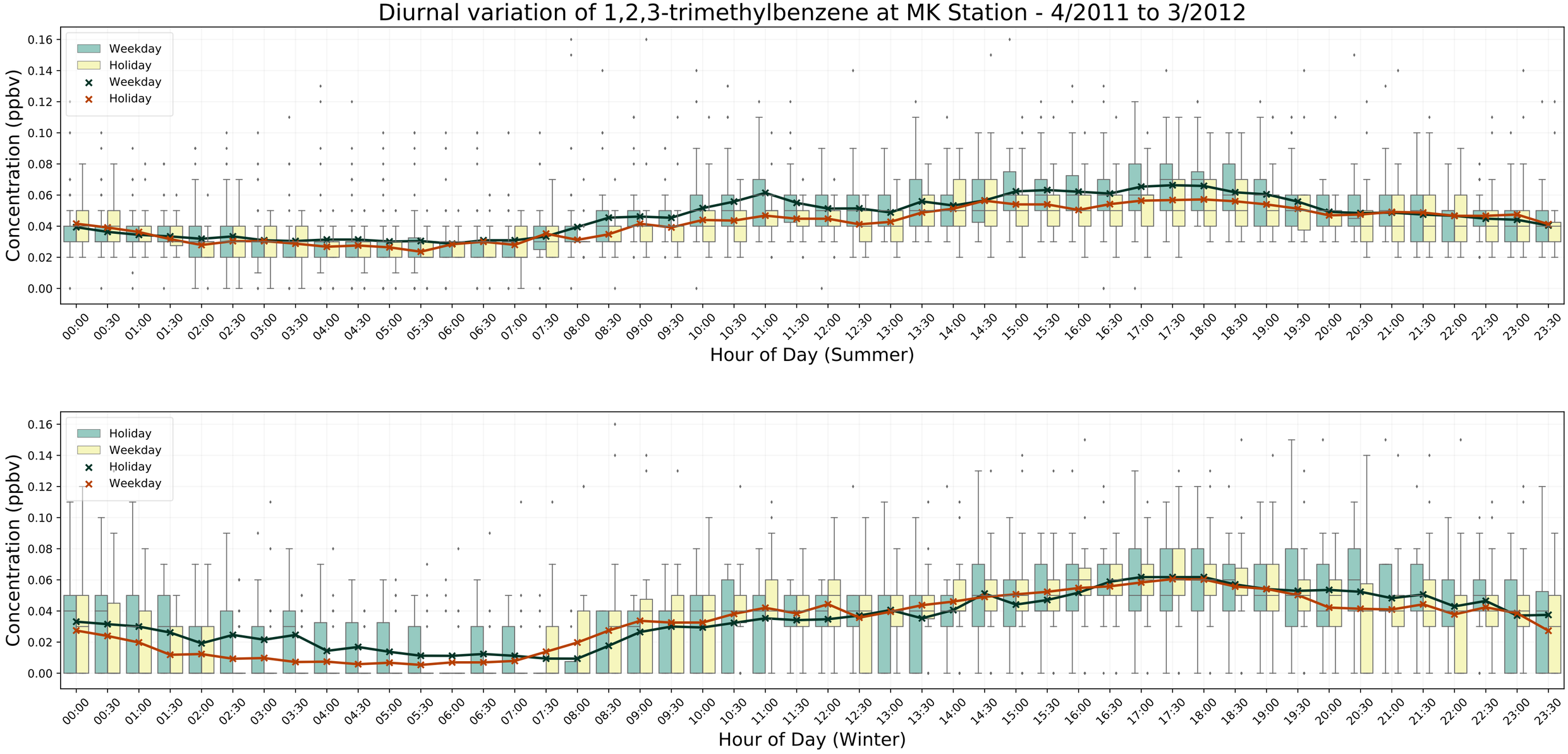
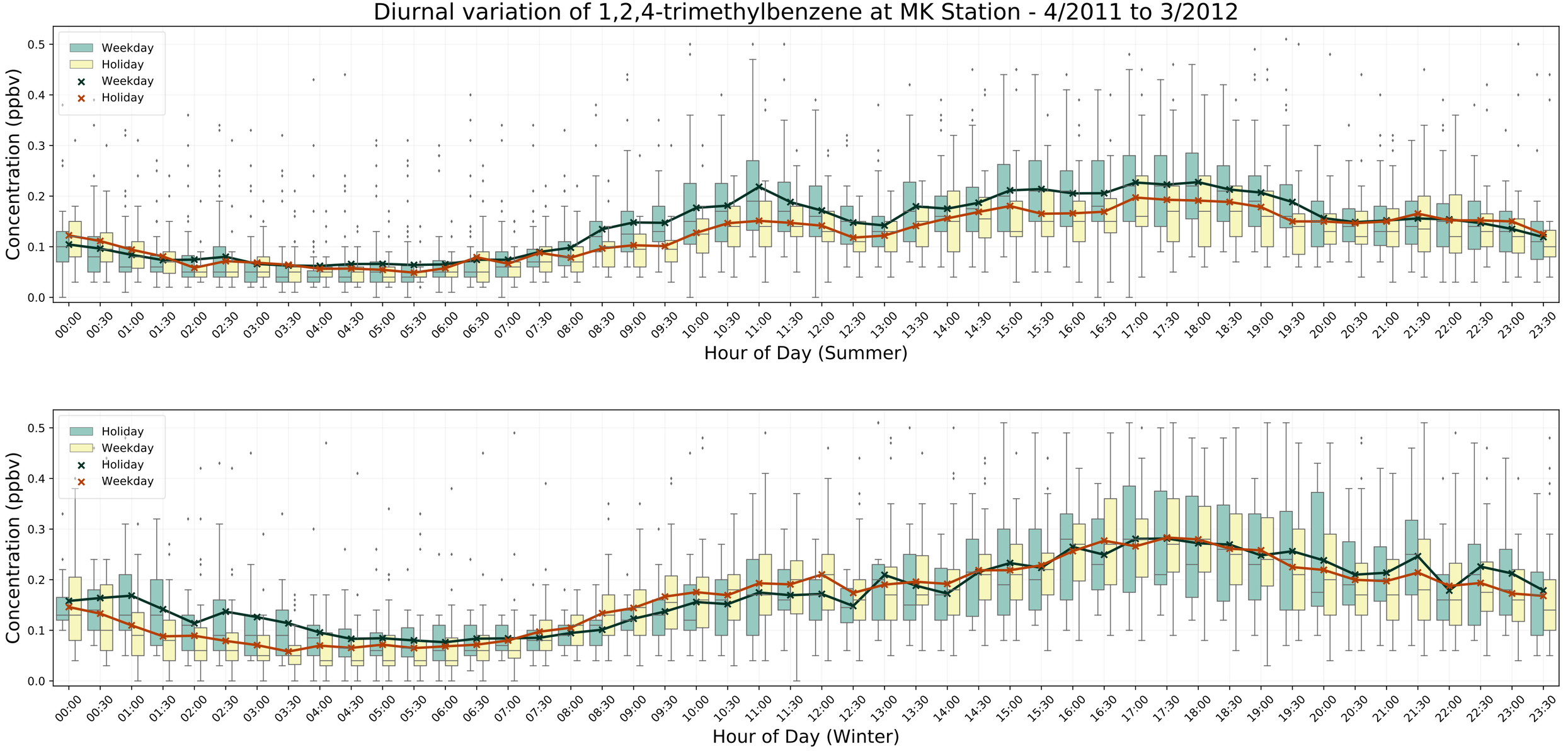
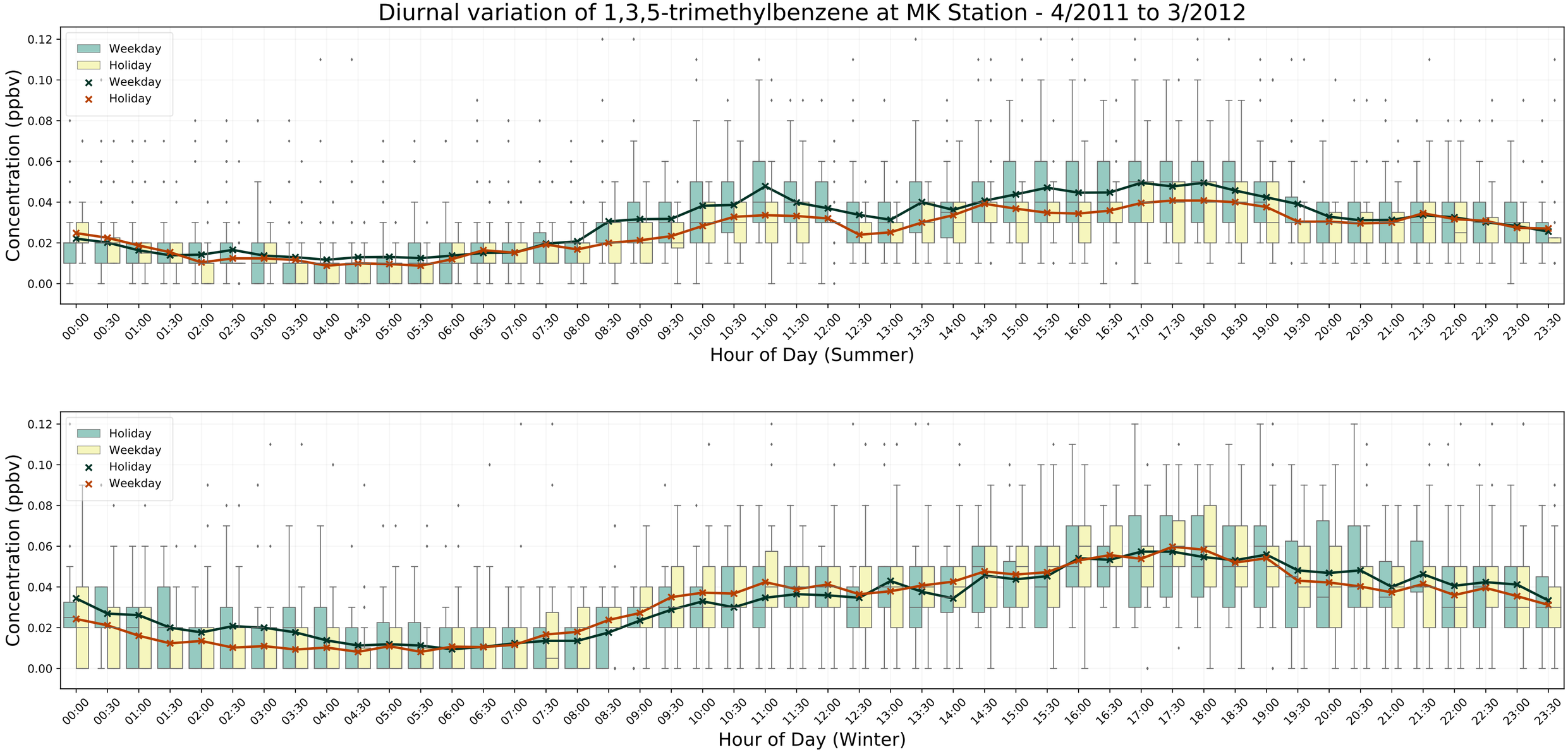
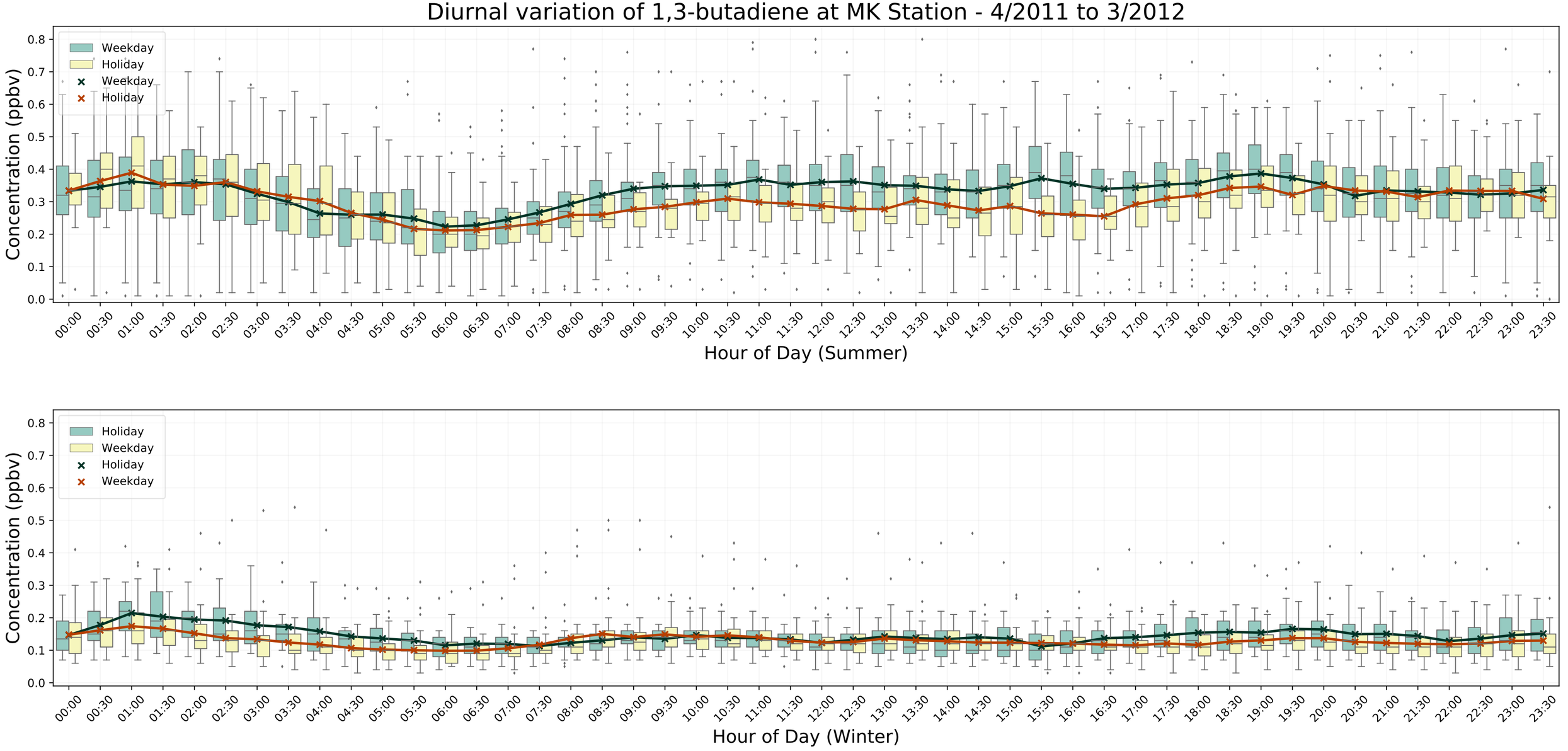
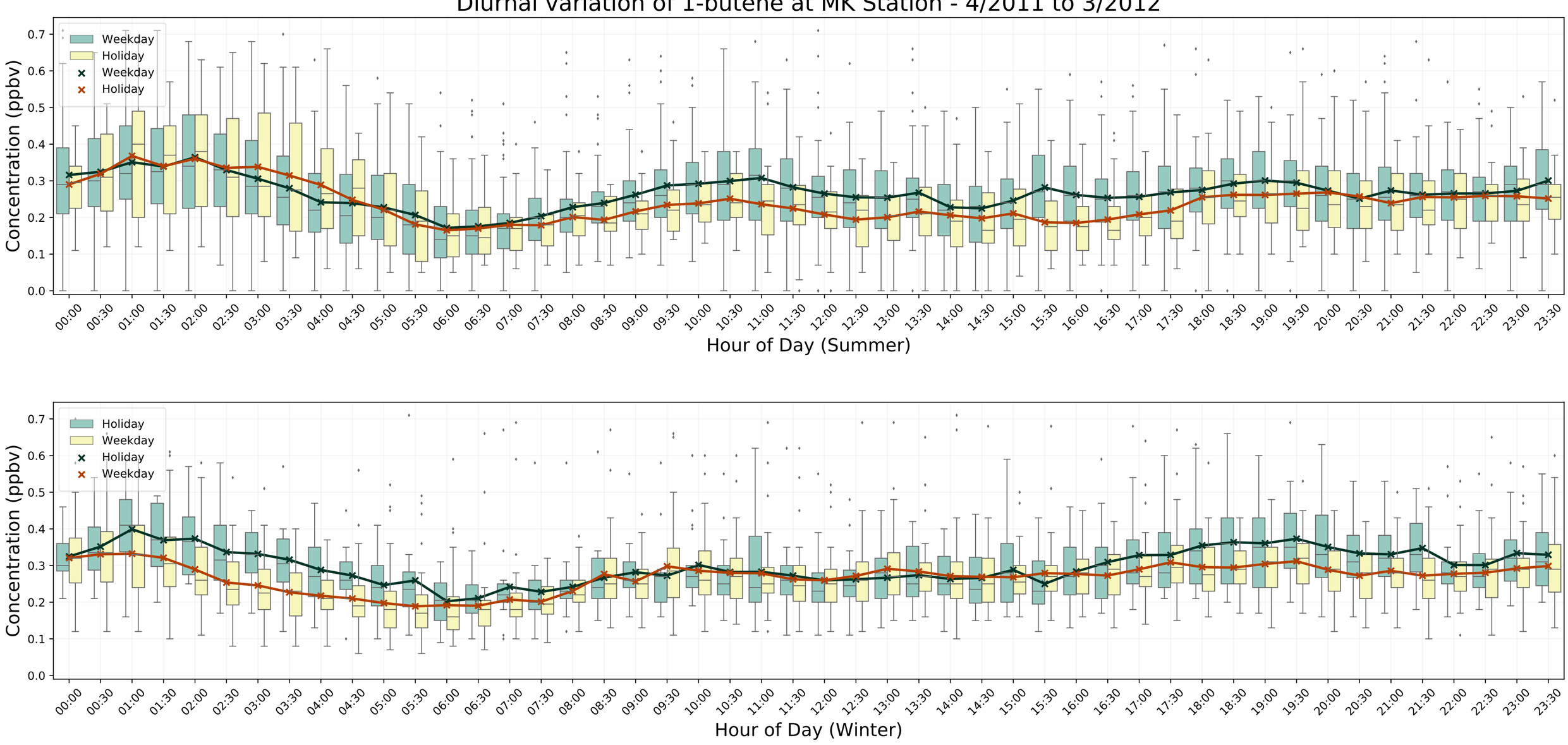
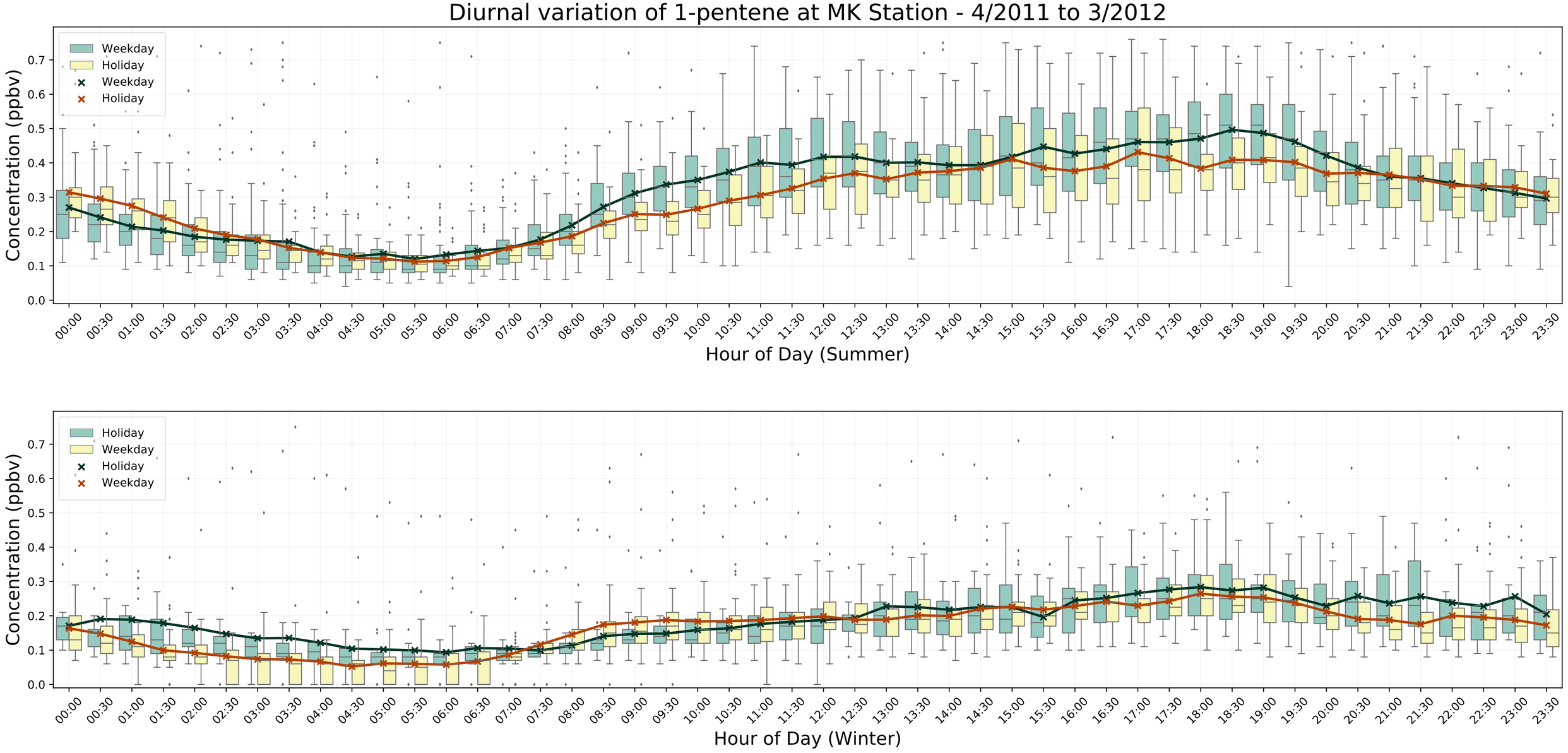

Diurnal variation of 1,2,3-trimethylbenzene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

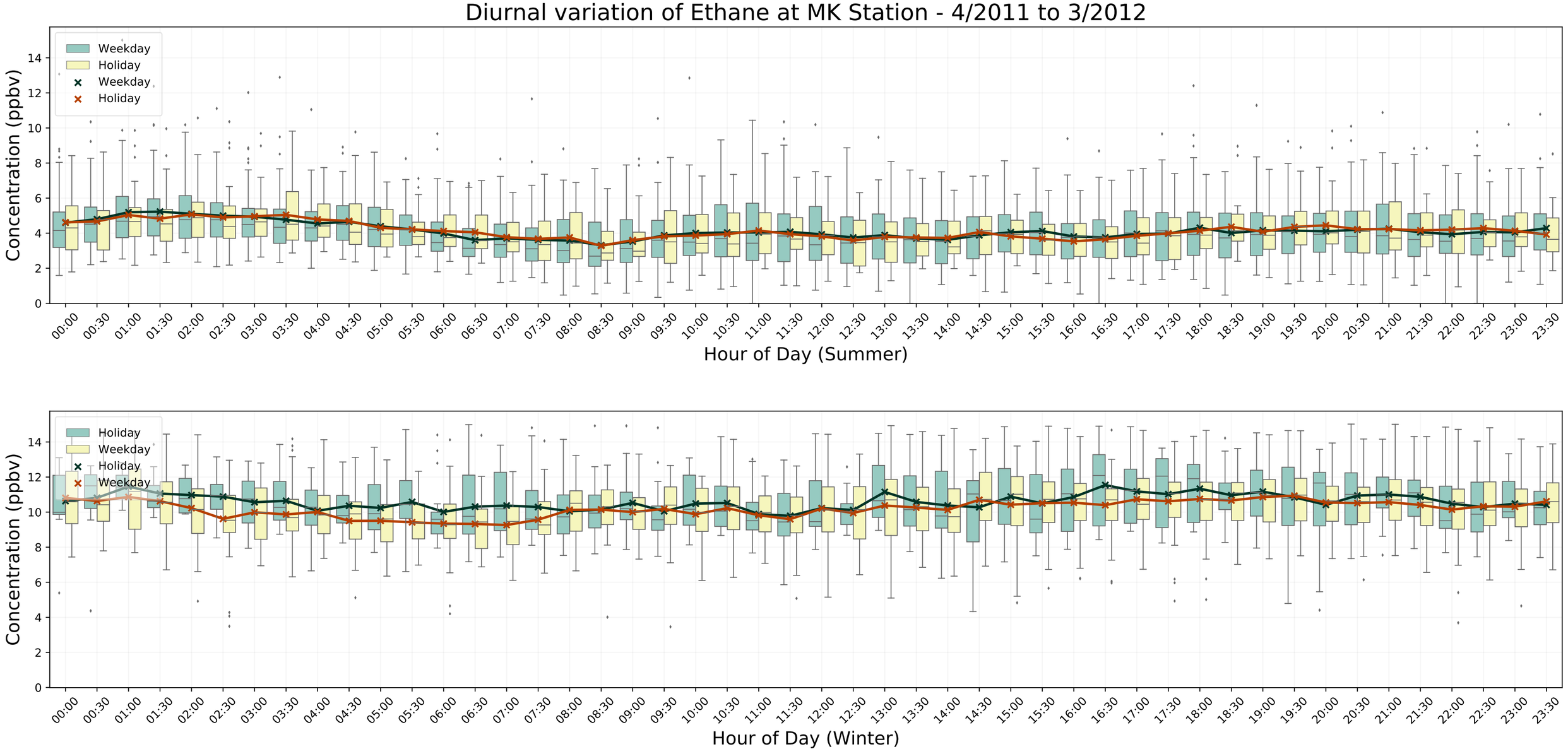

Diurnal variation of 1,2,4-trimethylbenzene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

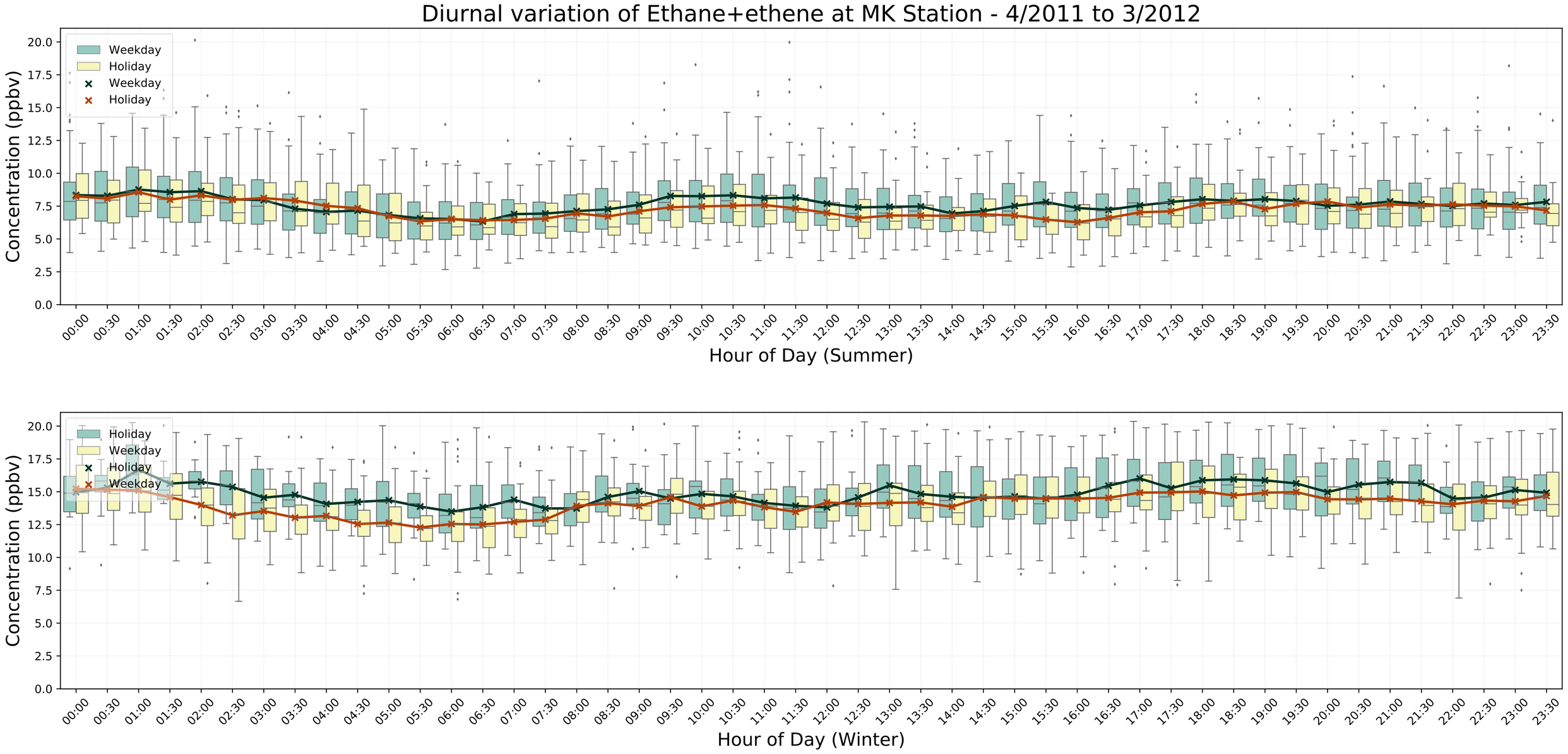

Diurnal variation of 1,3,5-trimethylbenzene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

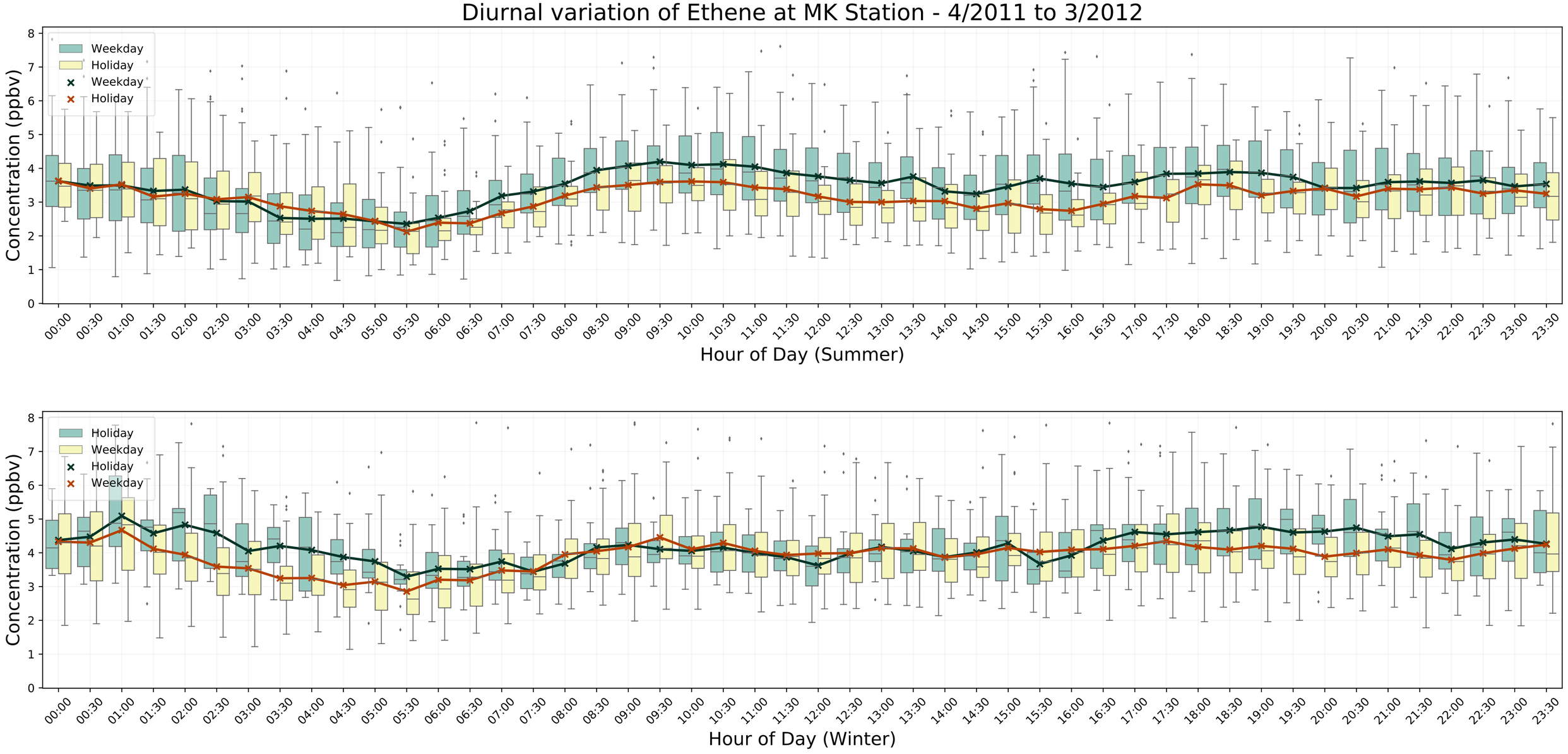

Diurnal variation of 1,3-butadiene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

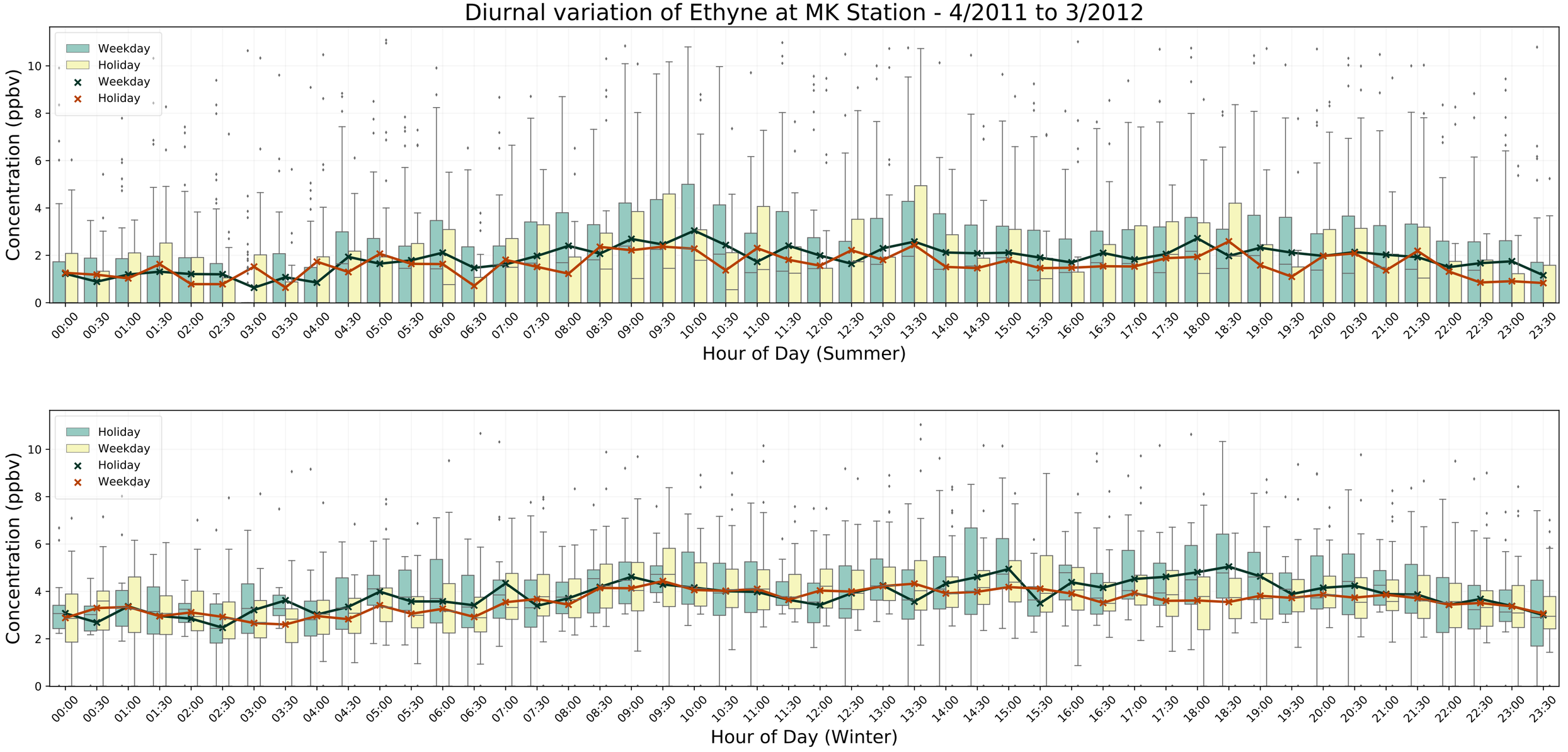

Diurnal variation of 1-butene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

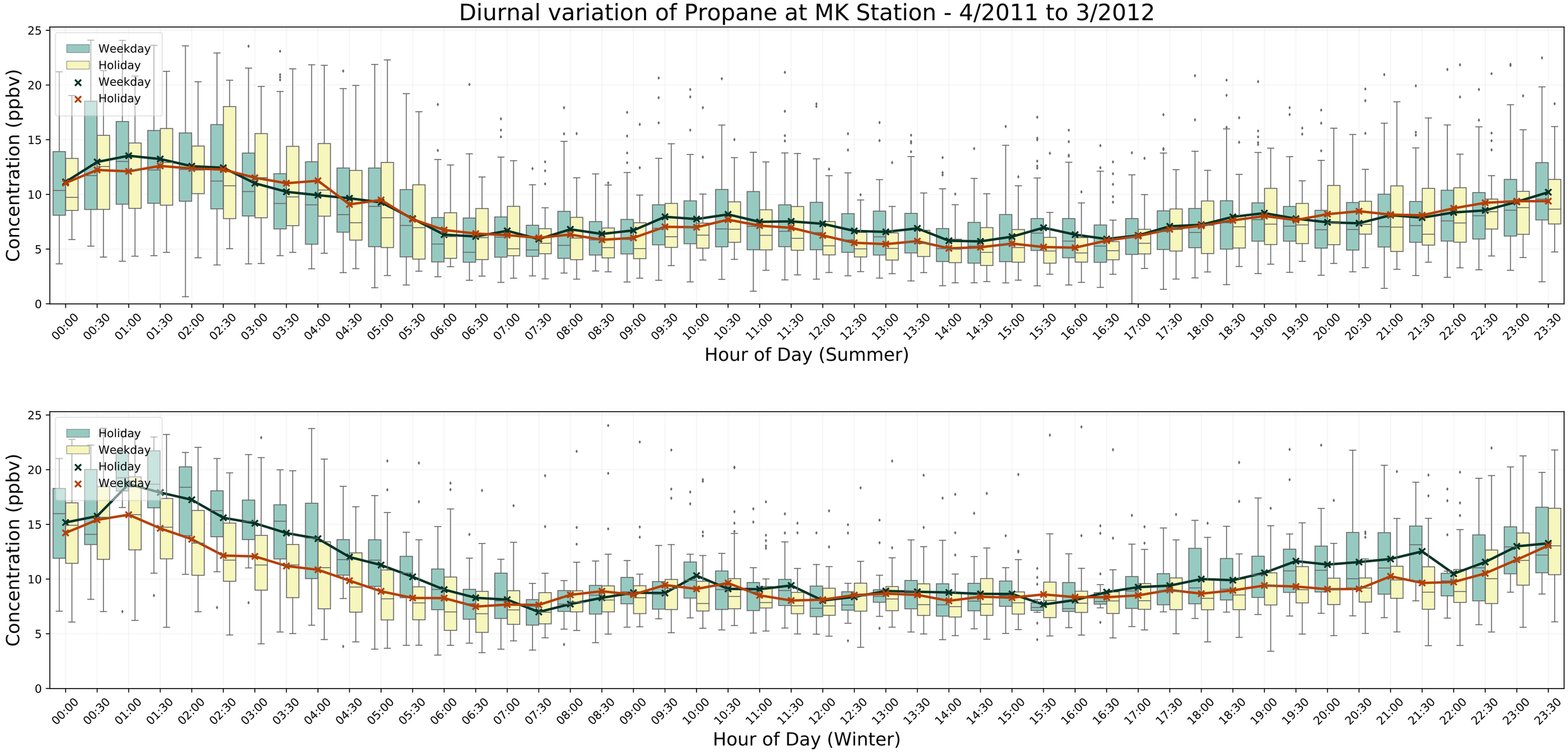

Diurnal variation of 1-pentene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

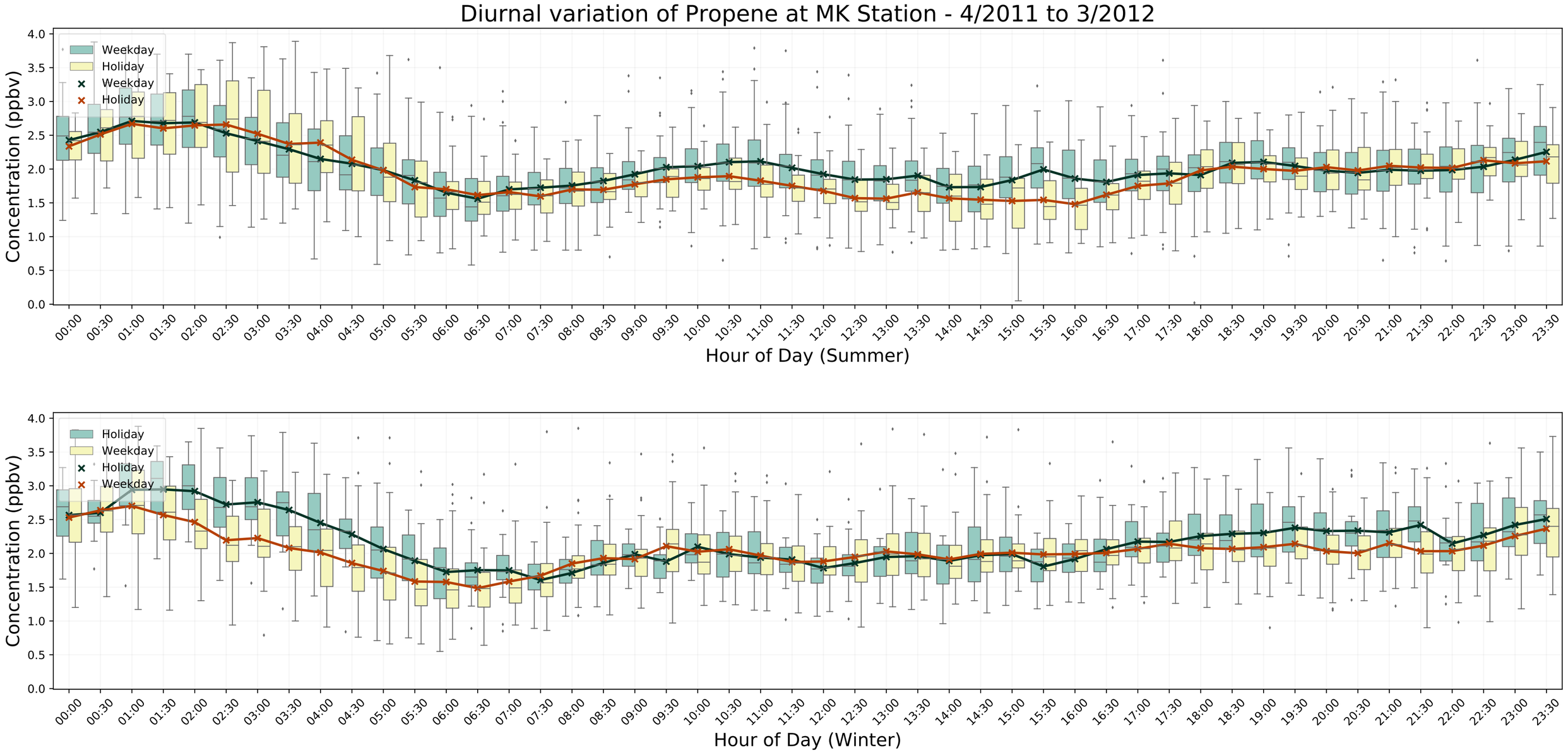

Diurnal variation of Ethane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

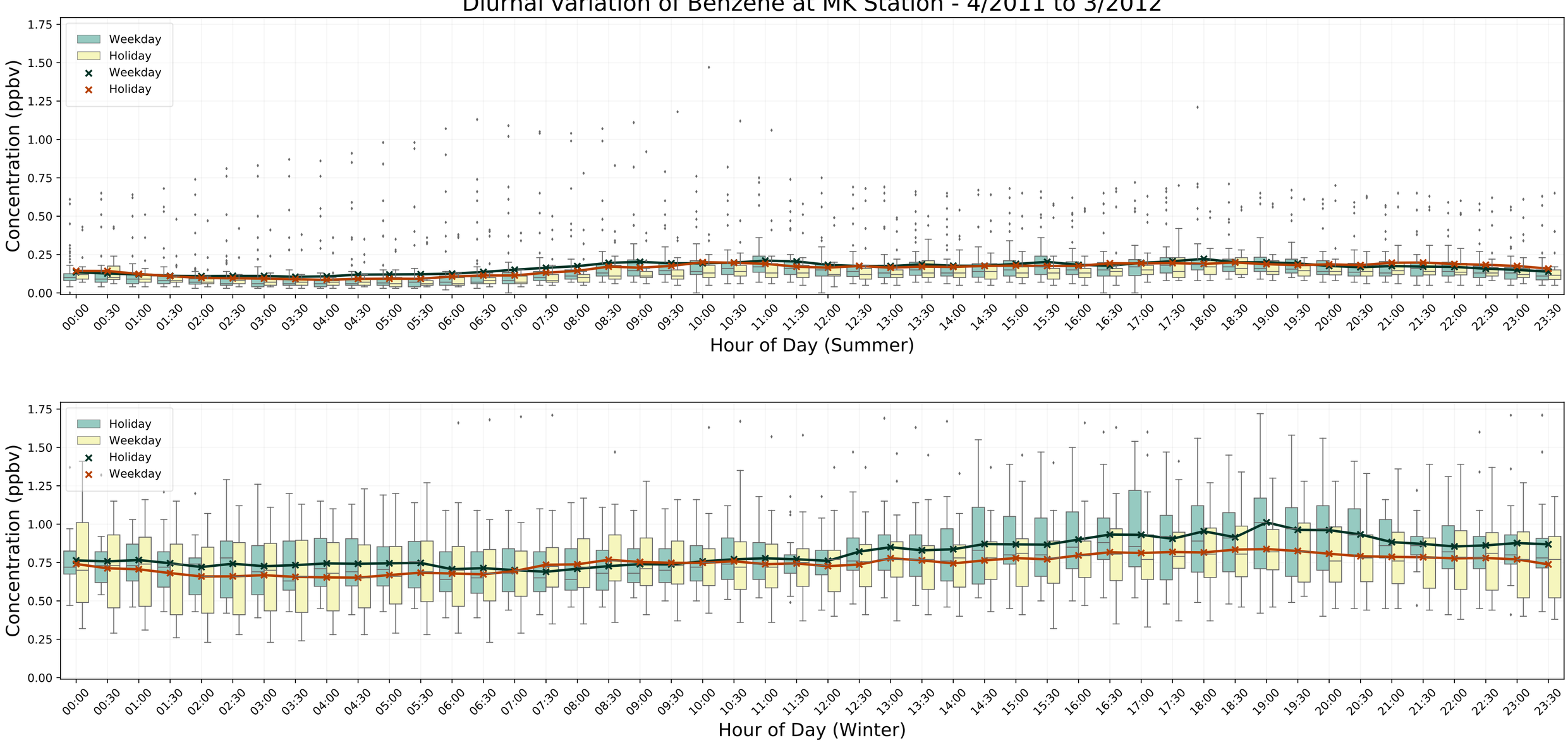

Diurnal variation of Ethane+ethene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

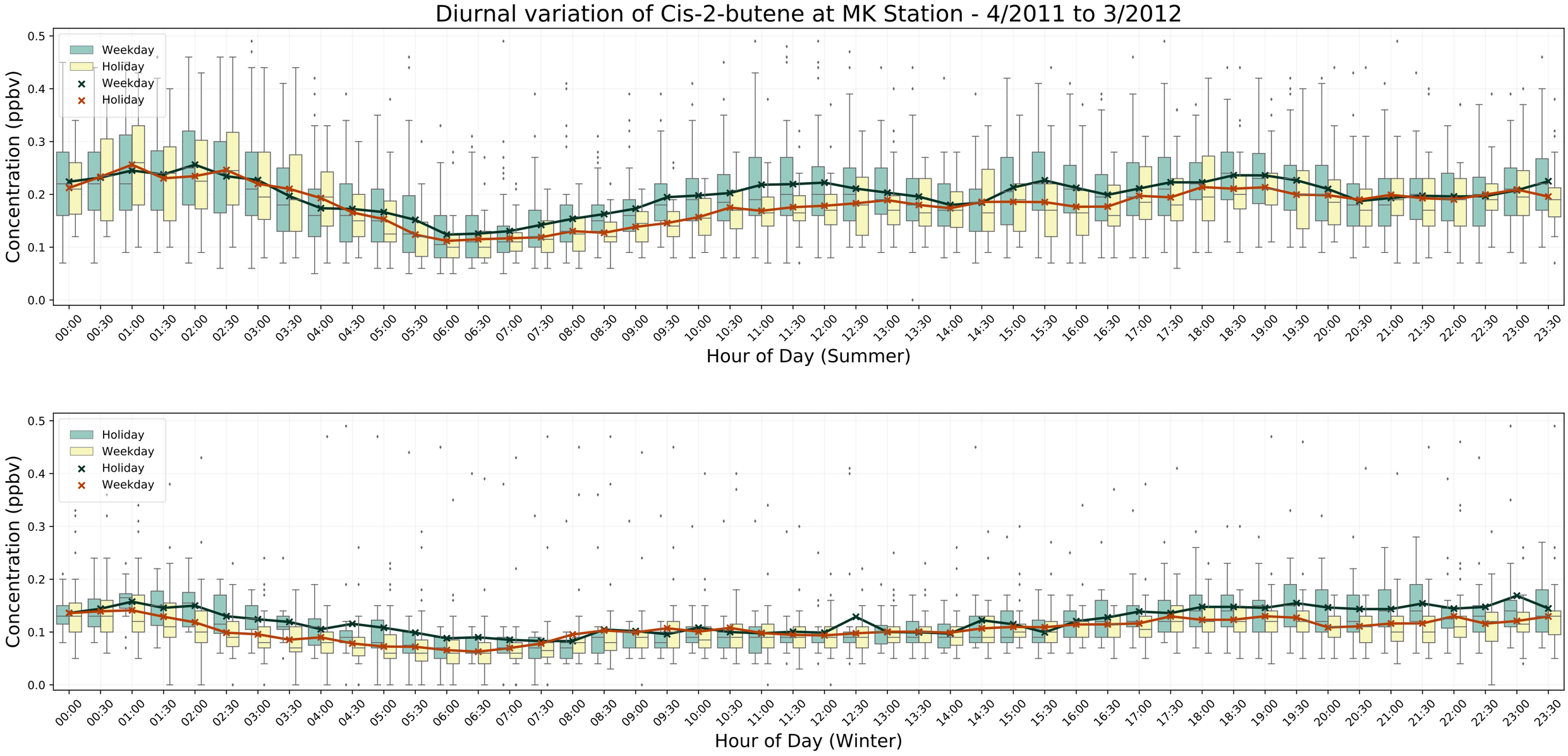

Diurnal variation of Ethene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

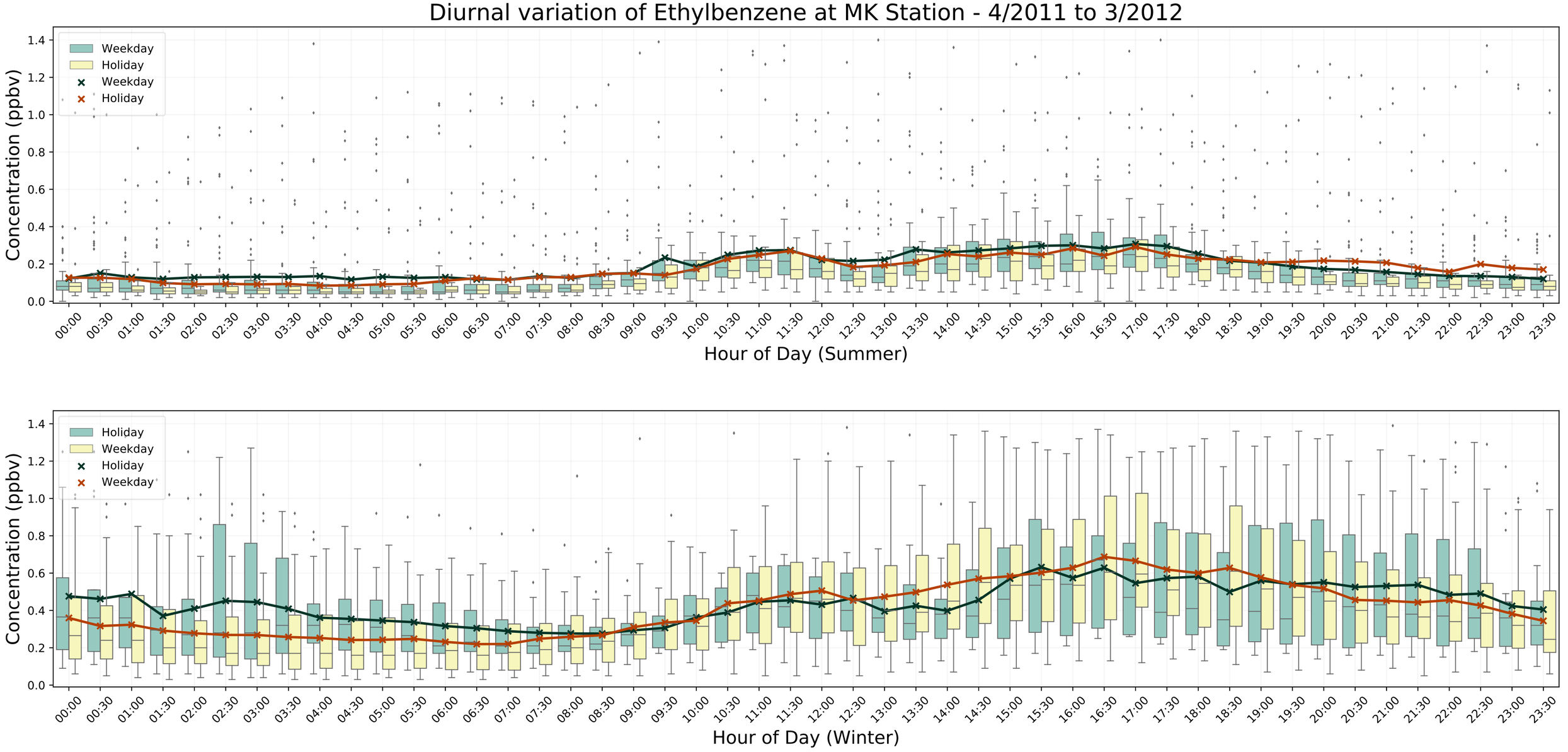

Diurnal variation of Ethyne at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

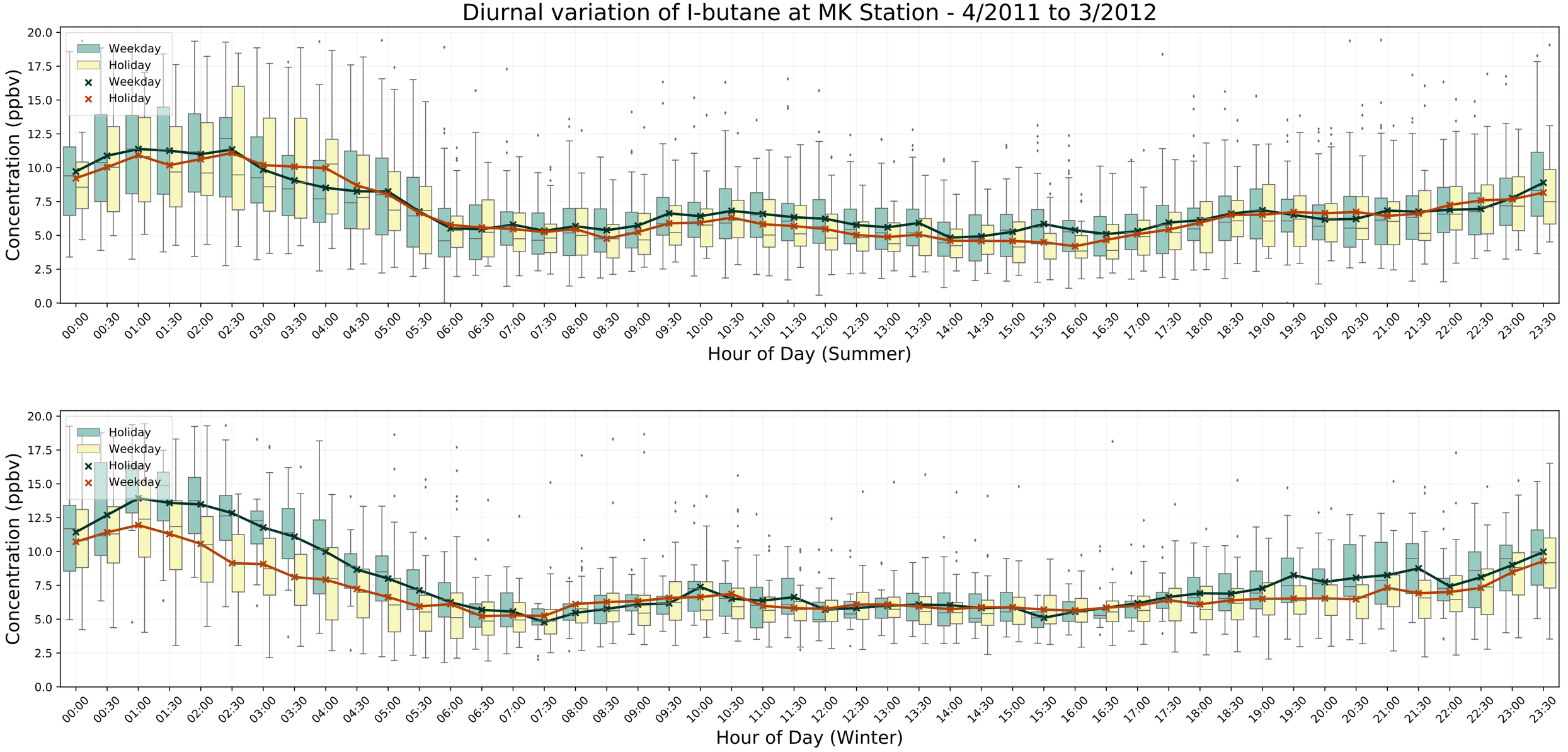

Diurnal variation of Propane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

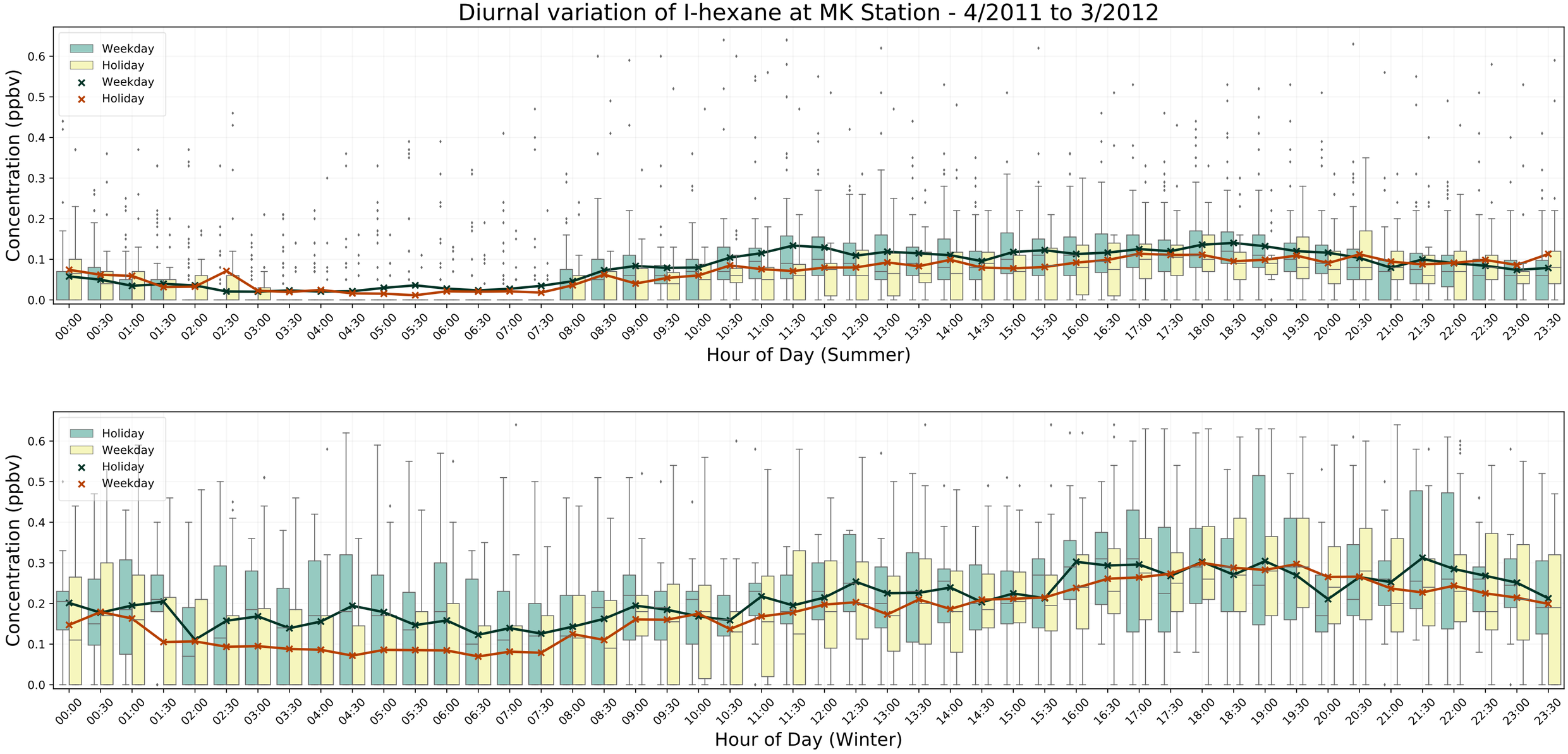

Diurnal variation of Propene at MK Station - 4/2011 to 3/2012
Concentration (ppbv)
Weekday
Holiday
Weekday
Holiday
Hour of Day (Summer)
Concentration (ppbv)
Holiday
Weekday
Holiday
Weekday
Hour of Day (Winter)

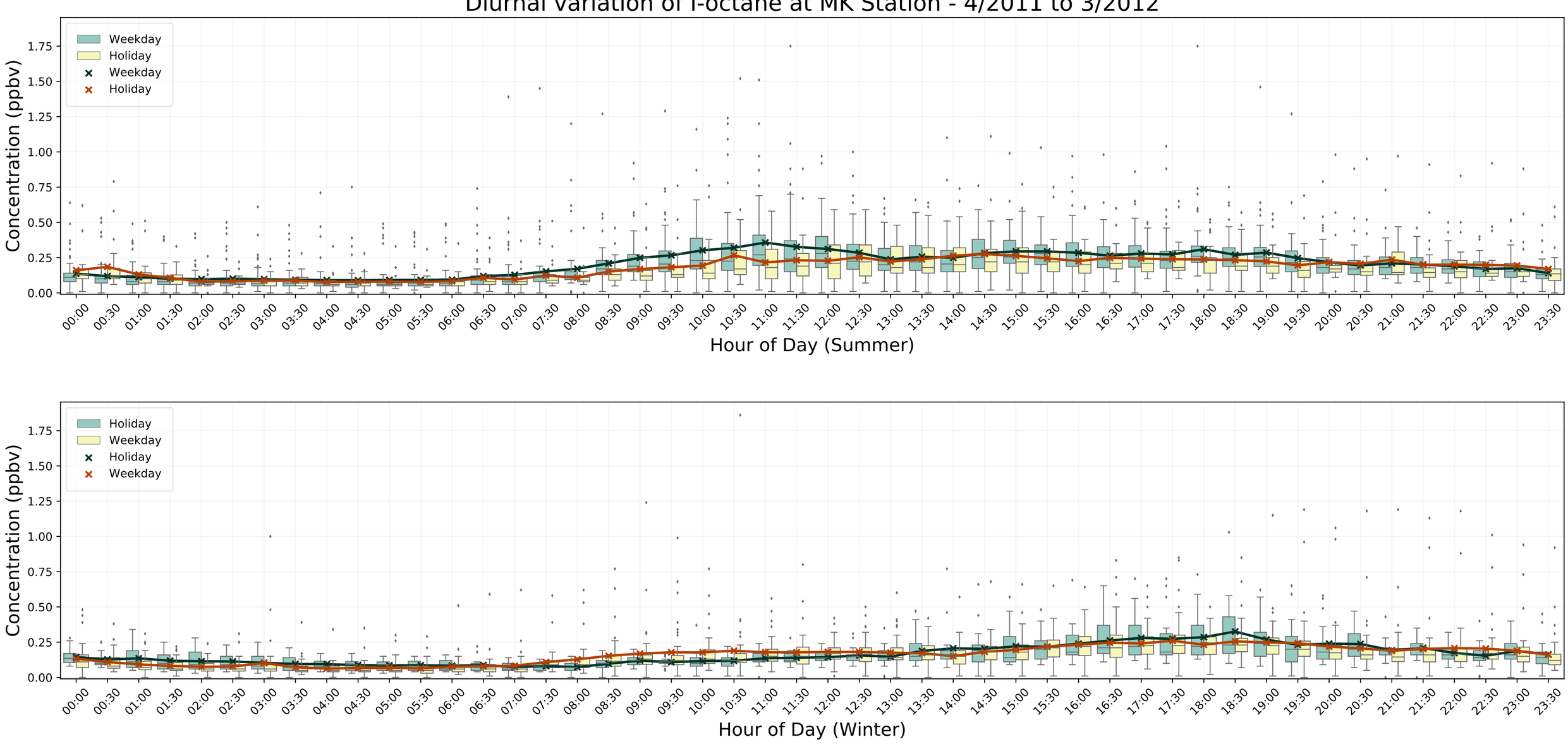

Diurnal variation of Benzene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

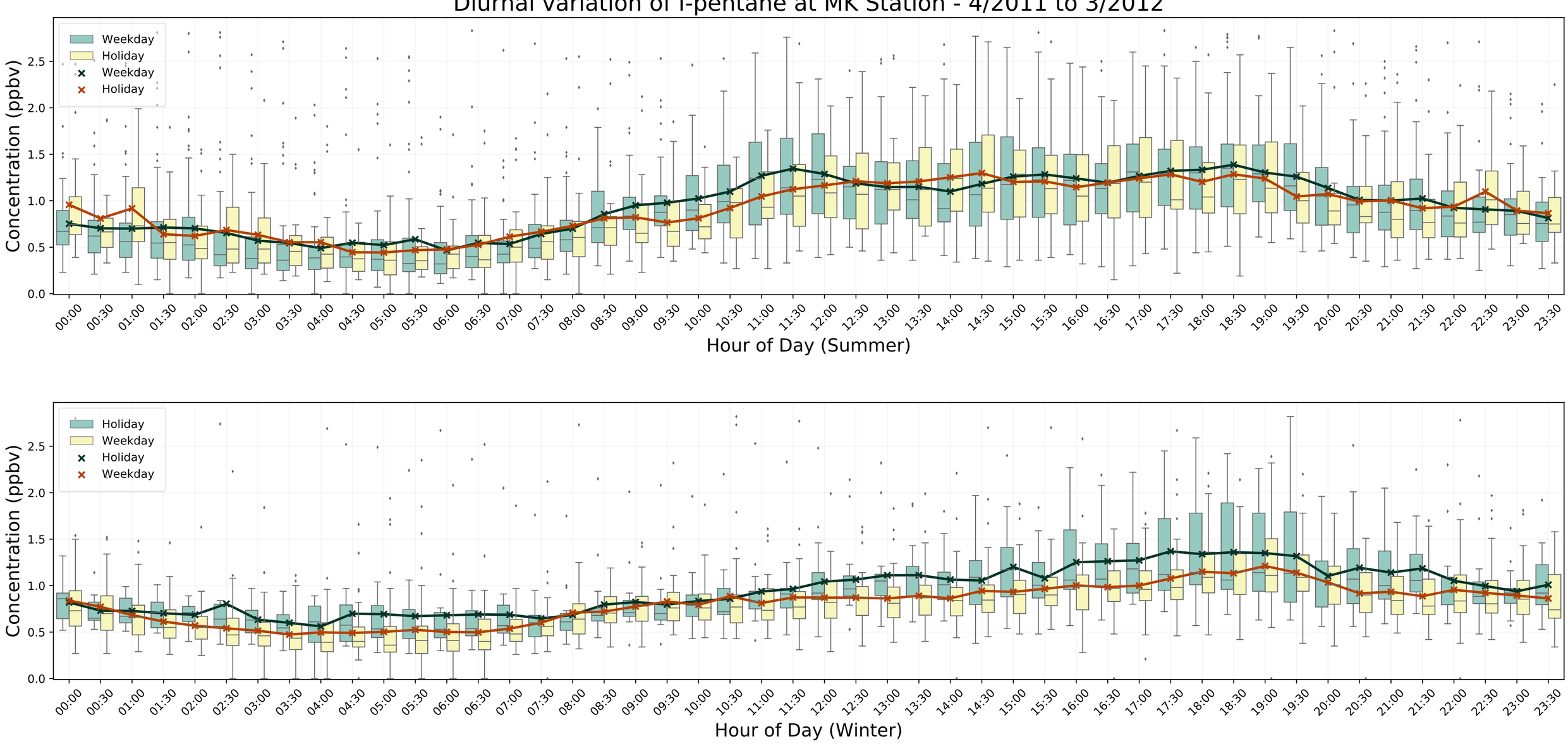

Diurnal variation of Cis-2-butene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

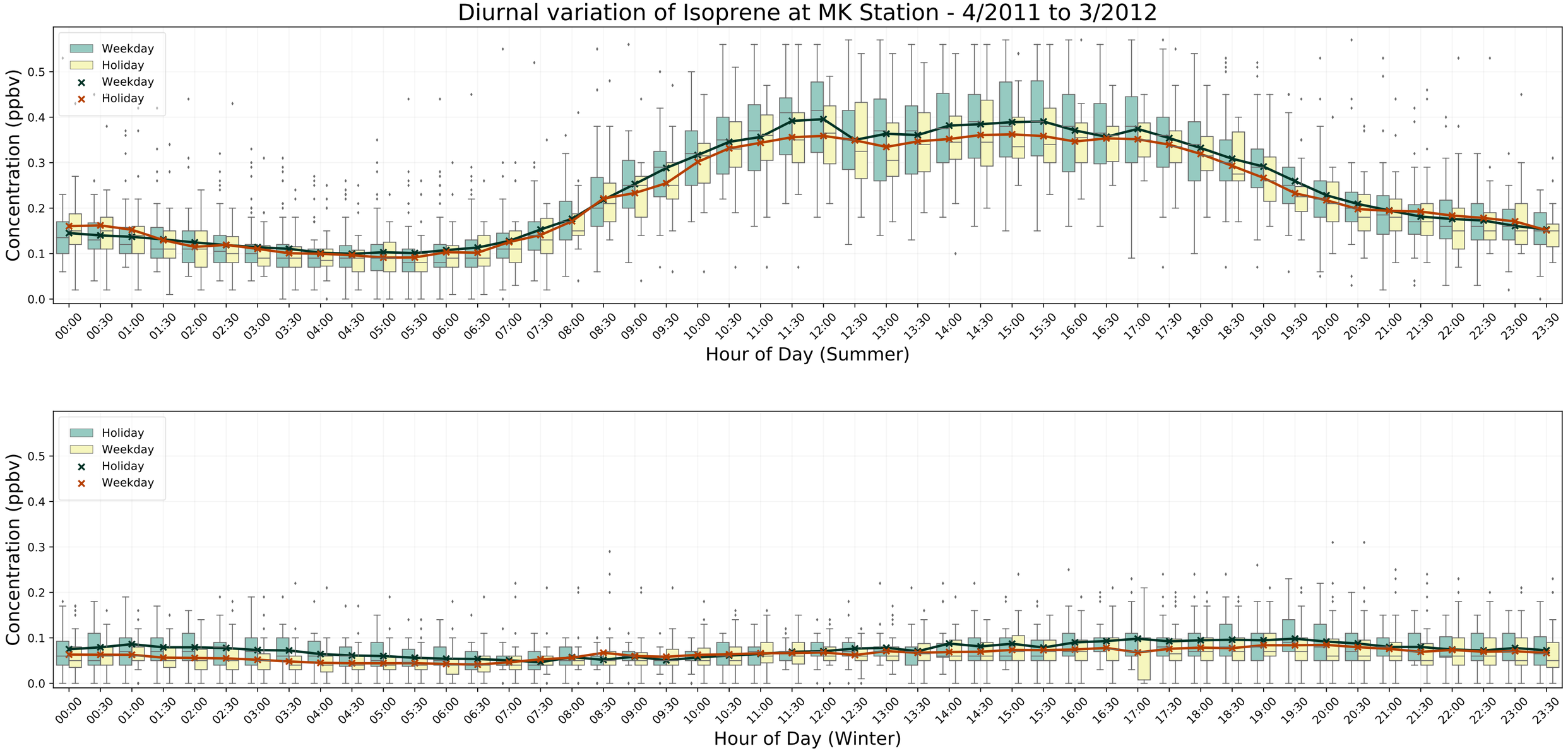

Diurnal variation of Ethylbenzene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

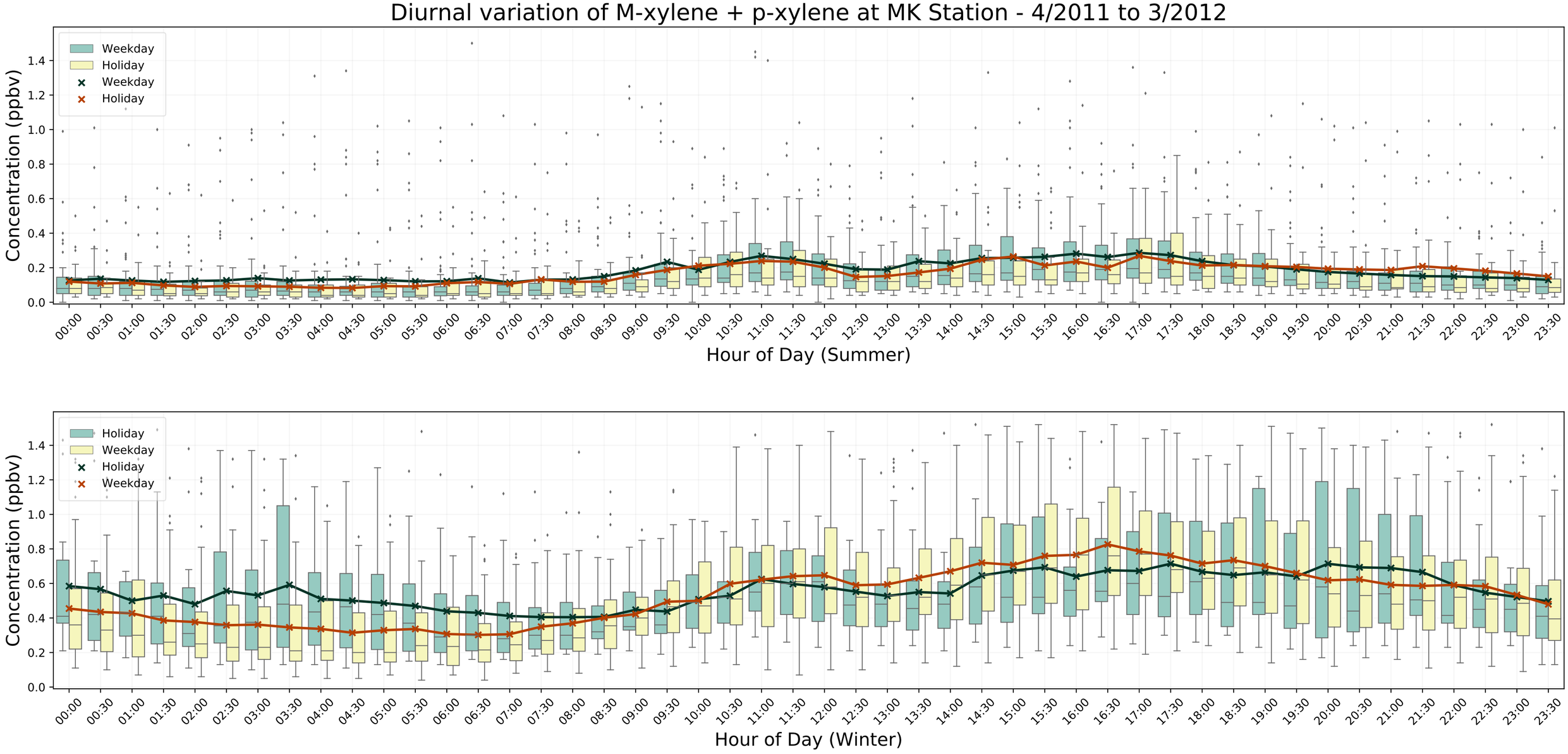

Diurnal variation of I-butane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

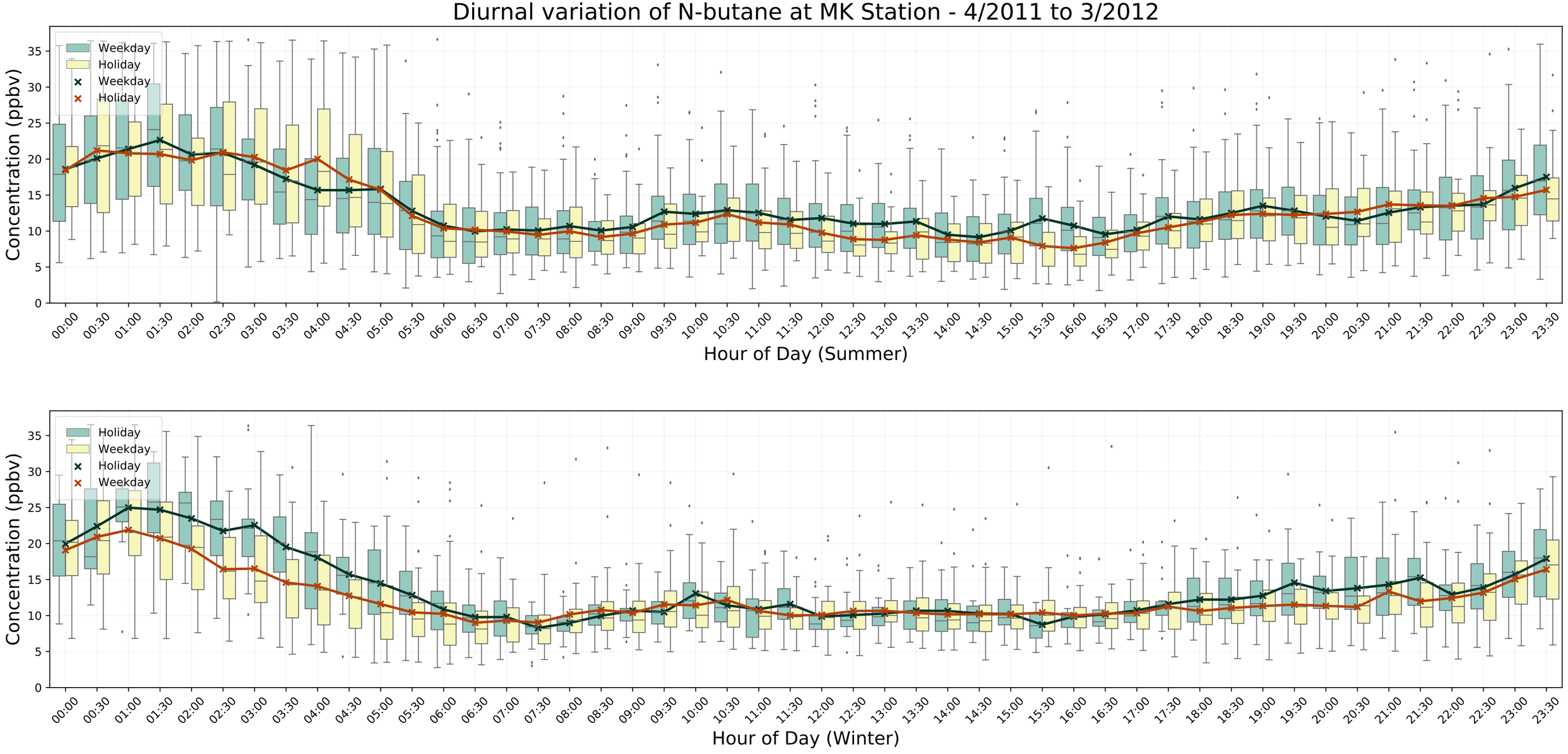

Diurnal variation of I-hexane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

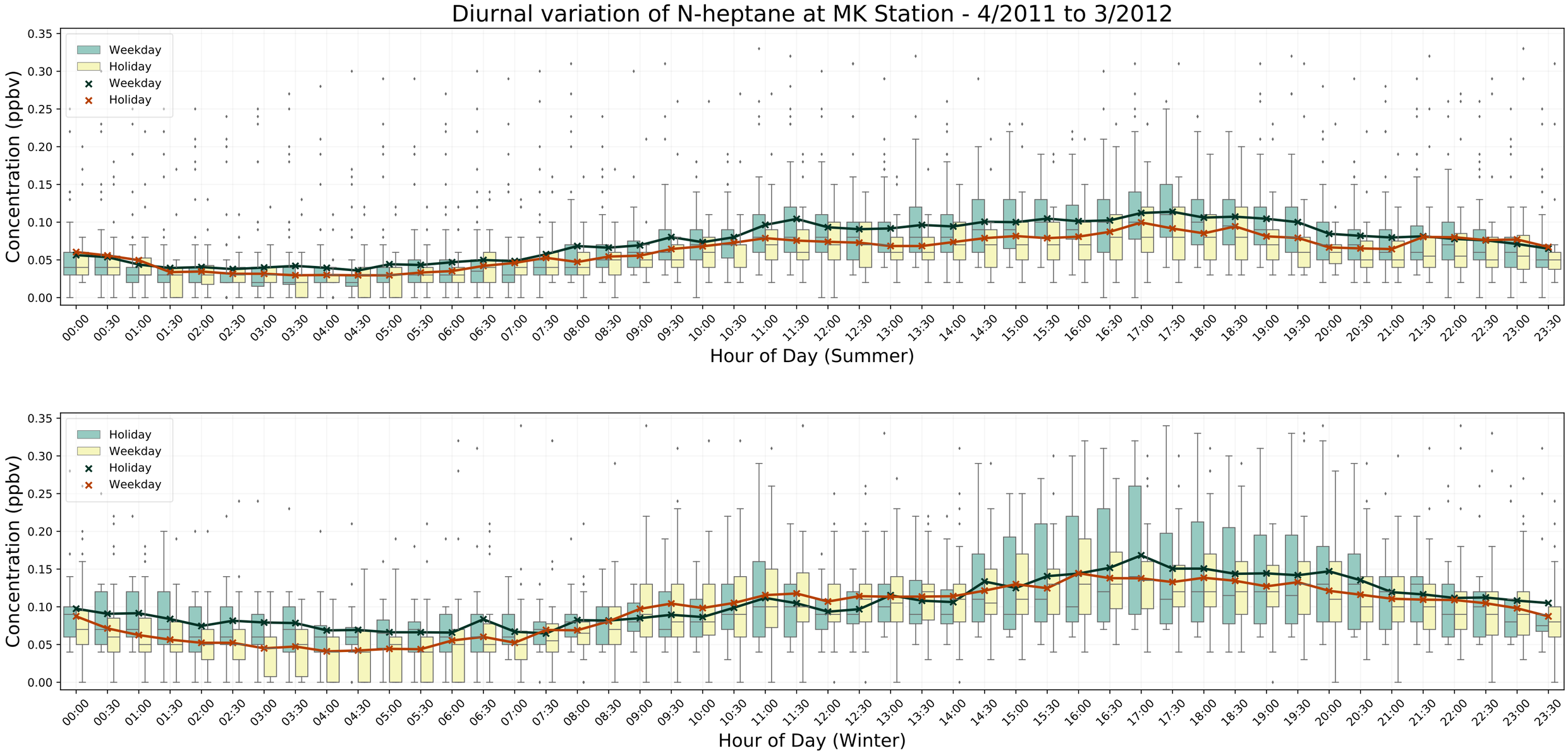

Diurnal variation of I-octane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

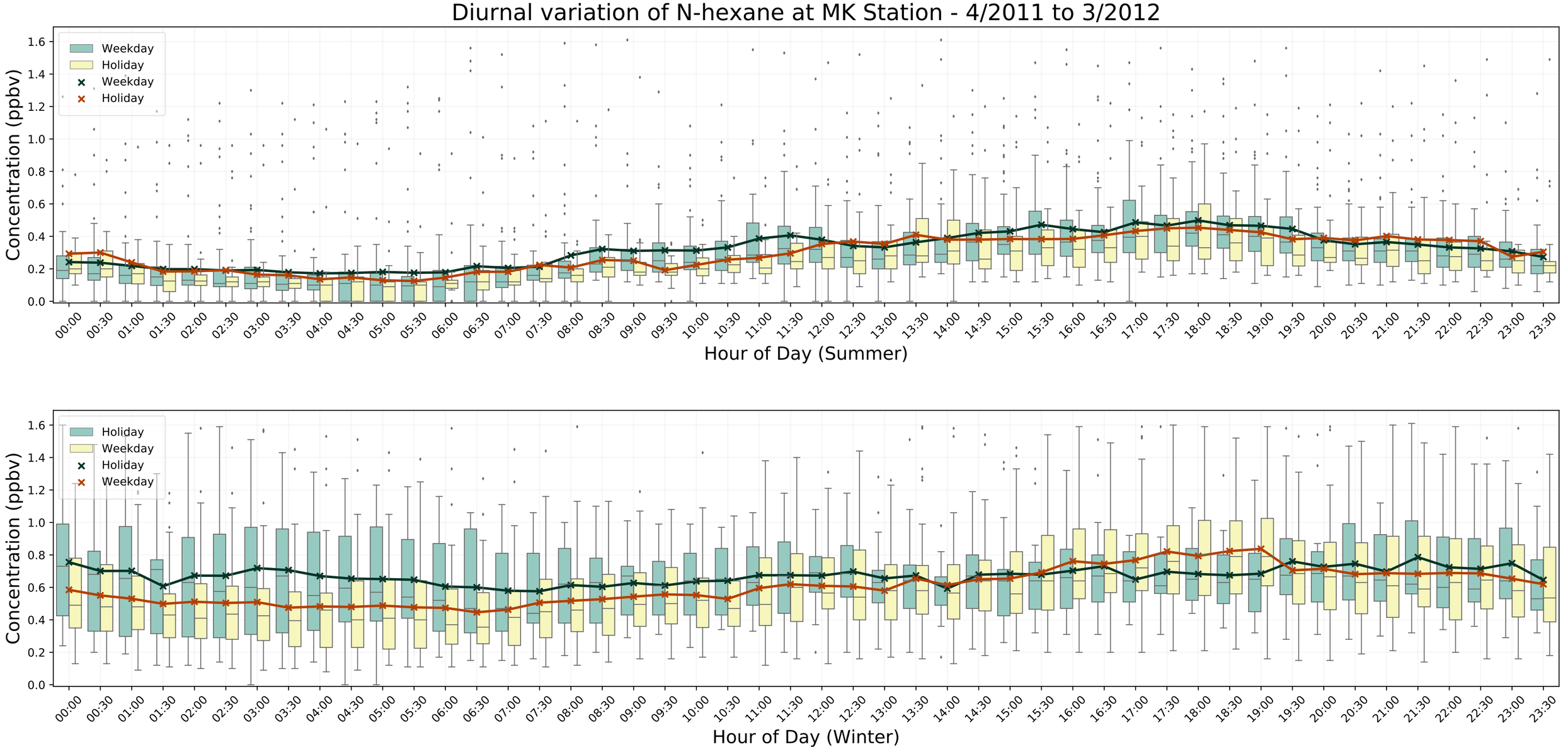

Diurnal variation of I-pentane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.5
1.0
1.5
2.0
2.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.5
1.0
1.5
2.0
2.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)


Diurnal variation of Isoprene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

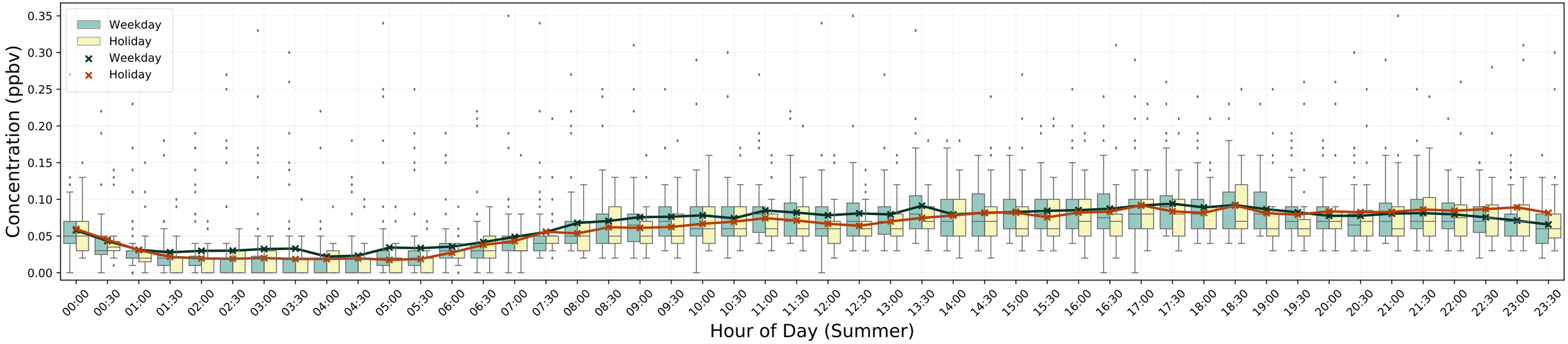

Diurnal variation of M-xylene + p-xylene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

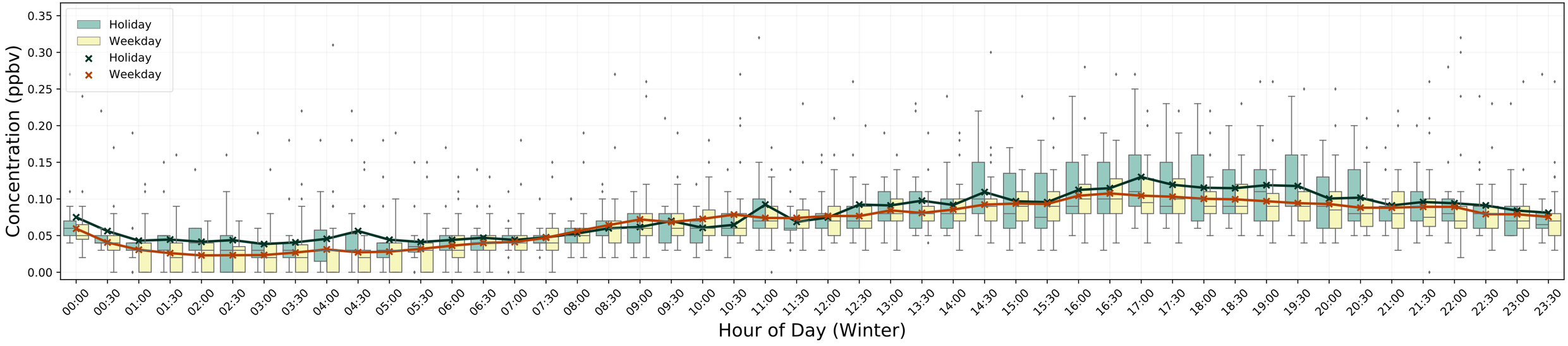

Diurnal variation of N-butane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

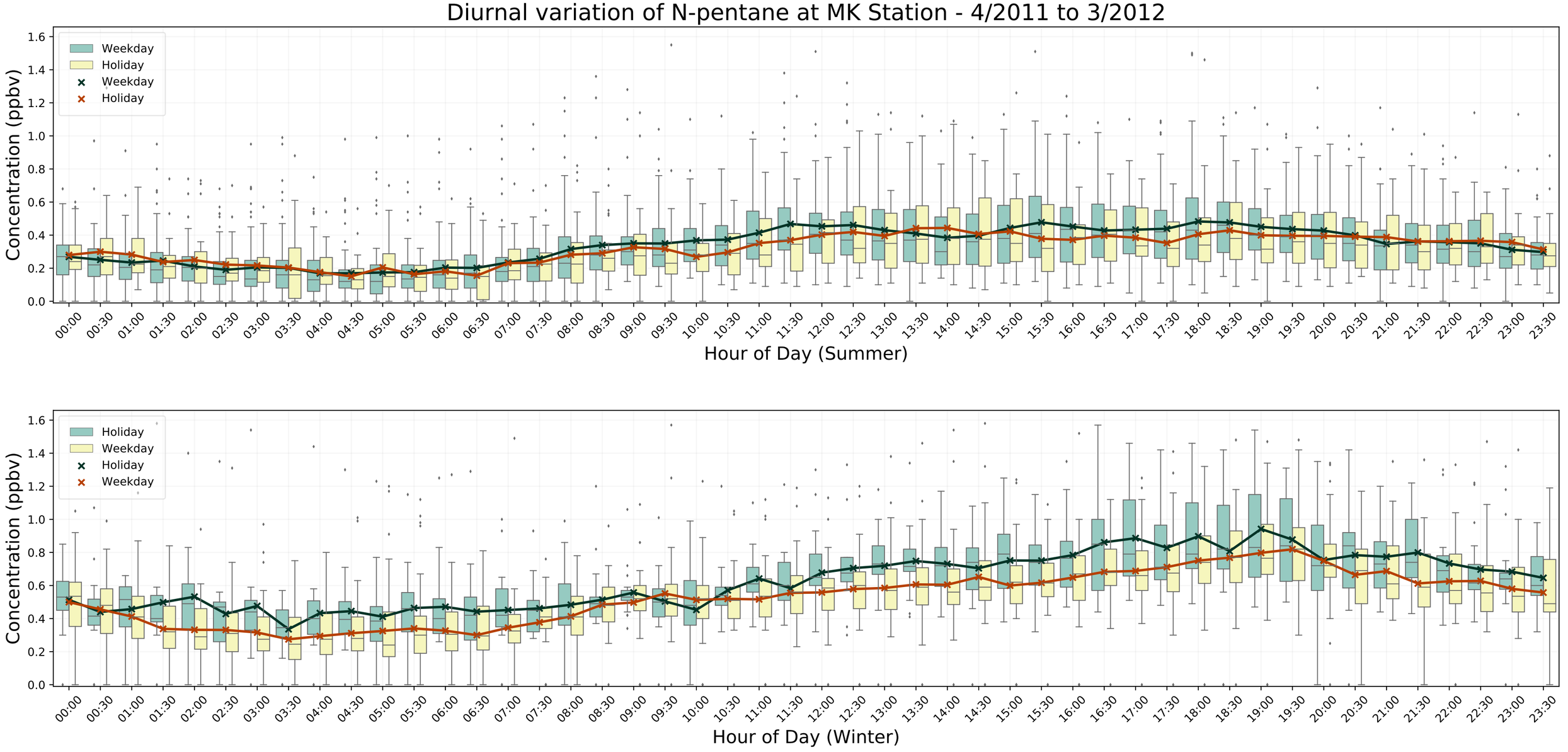

Diurnal variation of N-heptane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)

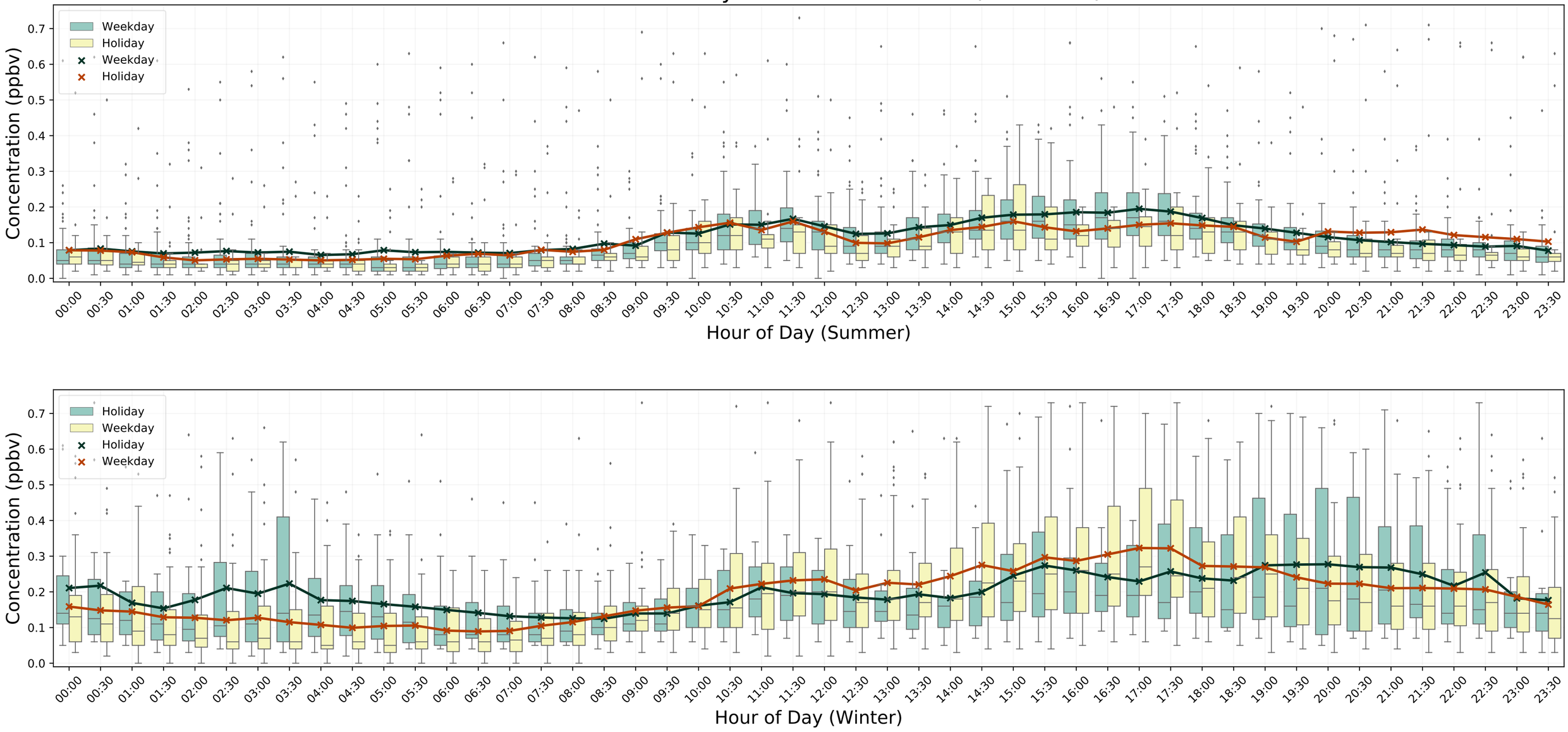

Diurnal variation of N-hexane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
Hour of Day (Winter)

Diurnal variation of N-octane at MK Station - 4/2011 to 3/2012






Diurnal variation of N-pentane at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)


Diurnal variation of O-xylene at MK Station - 4/2011 to 3/2012
Weekday
Holiday
Weekday
Holiday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Summer)
Holiday
Weekday
Holiday
Weekday
Concentration (ppbv)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
00:00
00:30
01:00
01:30
02:00
02:30
03:00
03:30
04:00
04:30
05:00
05:30
06:00
06:30
07:00
07:30
08:00
08:30
09:00
09:30
10:00
10:30
11:00
11:30
12:00
12:30
13:00
13:30
14:00
14:30
15:00
15:30
16:00
16:30
17:00
17:30
18:00
18:30
19:00
19:30
20:00
20:30
21:00
21:30
22:00
22:30
23:00
23:30
Hour of Day (Winter)