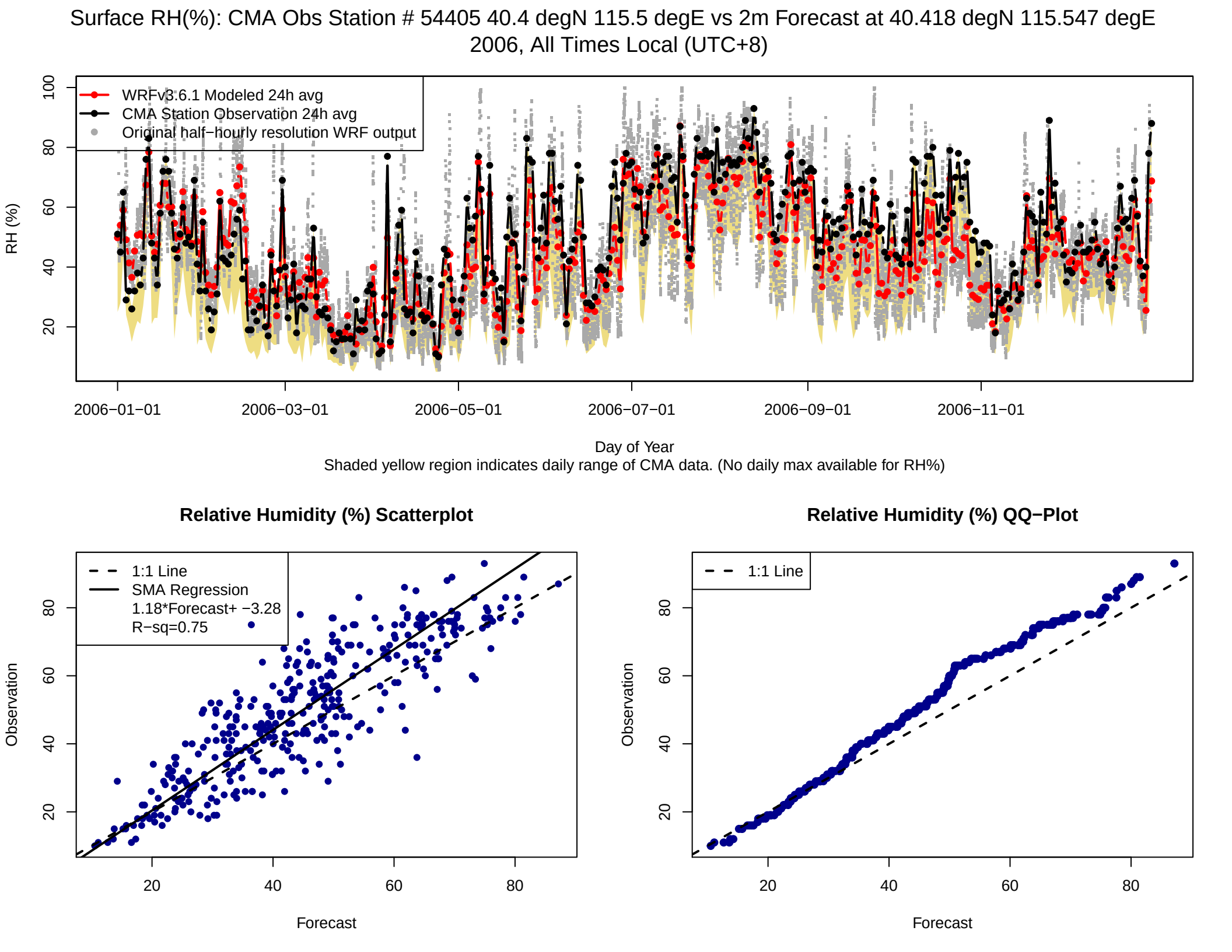
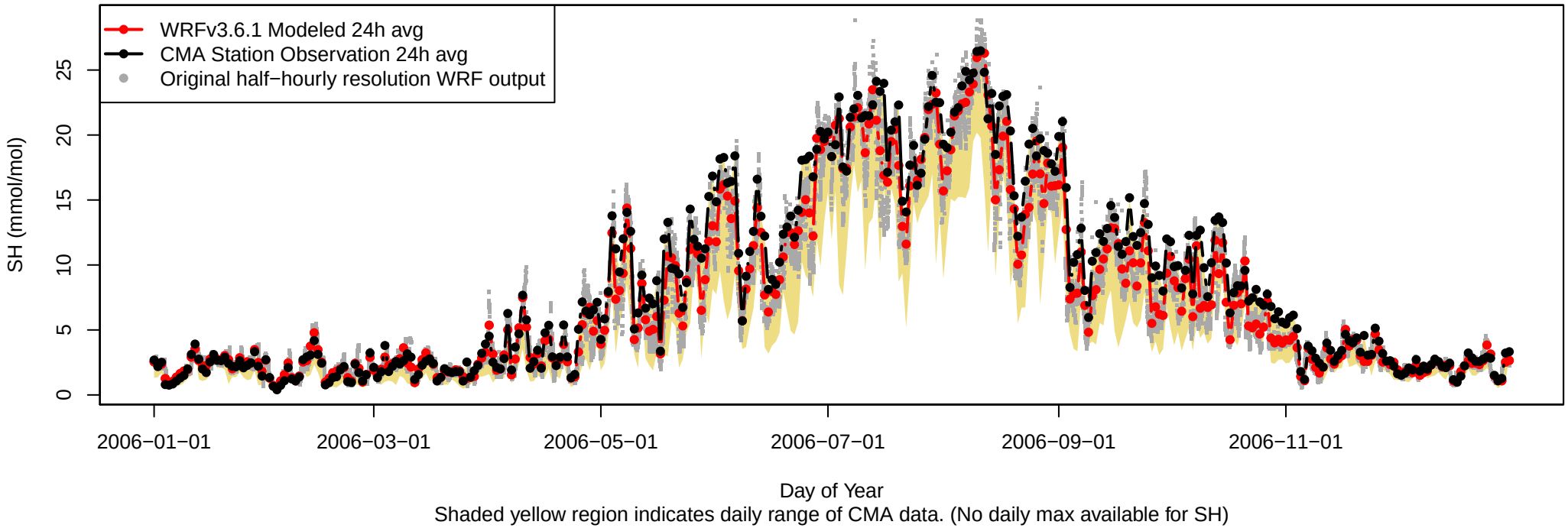
CMA Obs Station # 54405 40.4 degN 115.5 degE
vs Forecast at 40.418 degN 115.547 degE
2006, All Times Local (UTC+8)

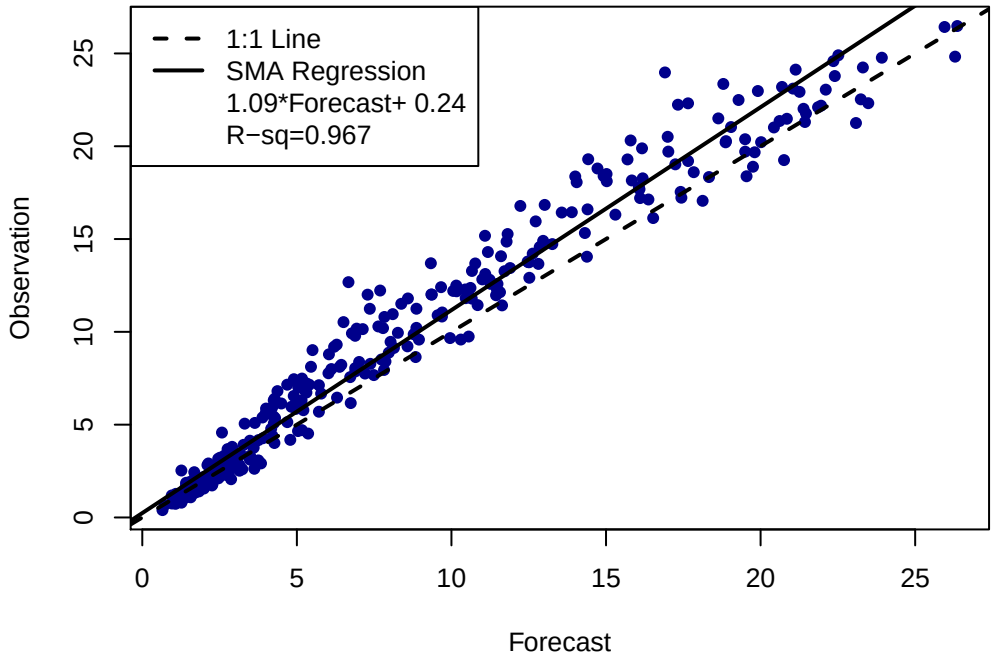

Surface RH(%): CMA Obs Station # 54405 40.4 degN 115.5 degE vs 2m Forecast at 40.418 degN 115.547 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
RH (%)
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data. (No daily max available for RH%)
Relative Humidity (%) Scatterplot
1:1 Line
SMA Regression
1.18*Forecast+ −3.28
R−sq=0.75
Observation
Forecast
Relative Humidity (%) QQ−Plot
1:1 Line
Observation
Forecast

SH(mmol/mol) at 2m: CMA Obs Station # 54405 40.4 degN 115.5 degE vs Forecast at 40.418 degN 115.547 degE
2006 All Times Local (UTC+8)

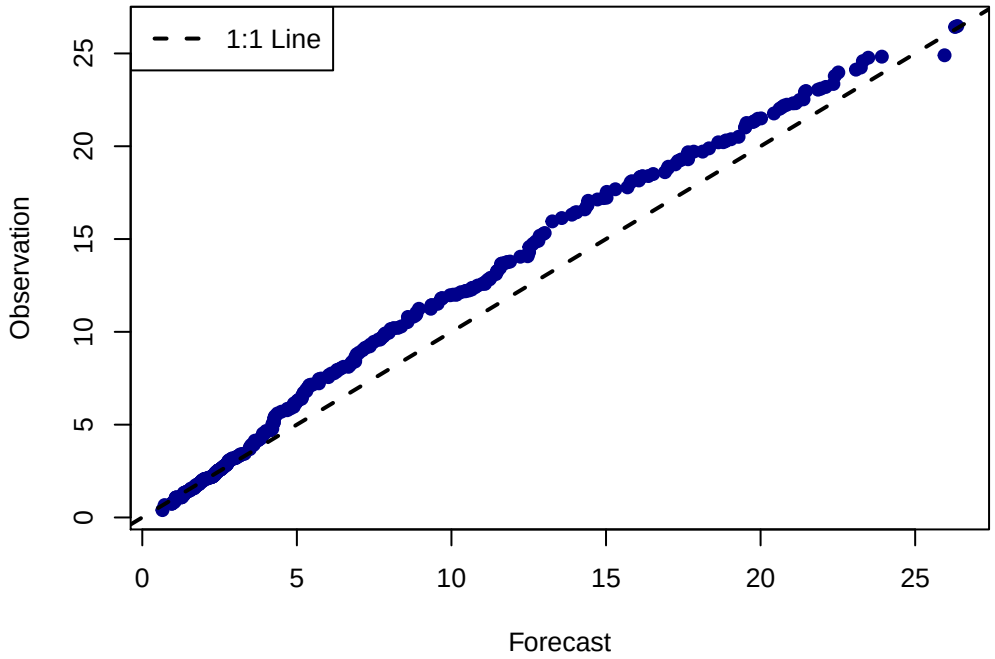


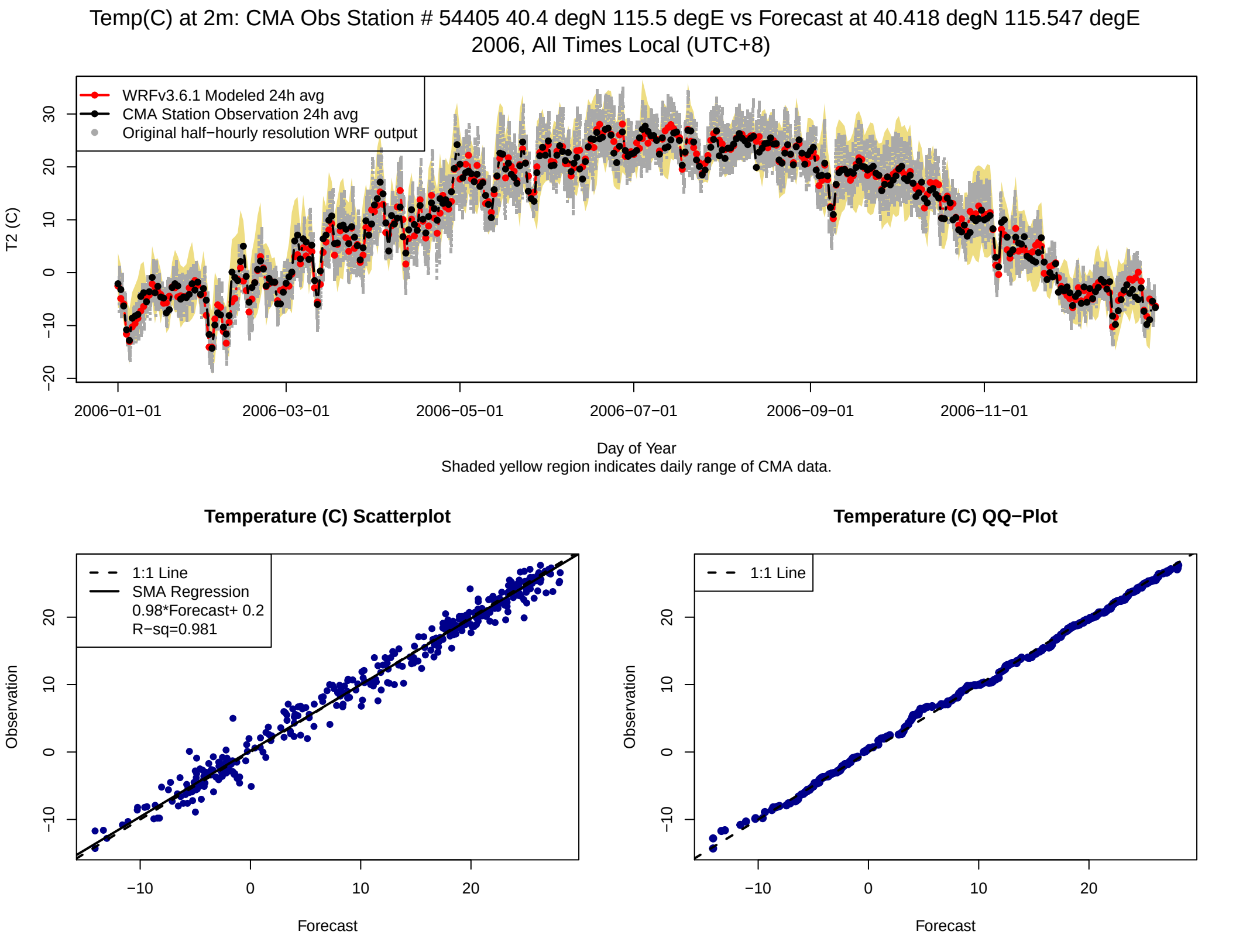
Shaded yellow region indicates daily range of CMA data. (No daily max available for SH)

Specific Humidity (mmol/mol) Scatterplot

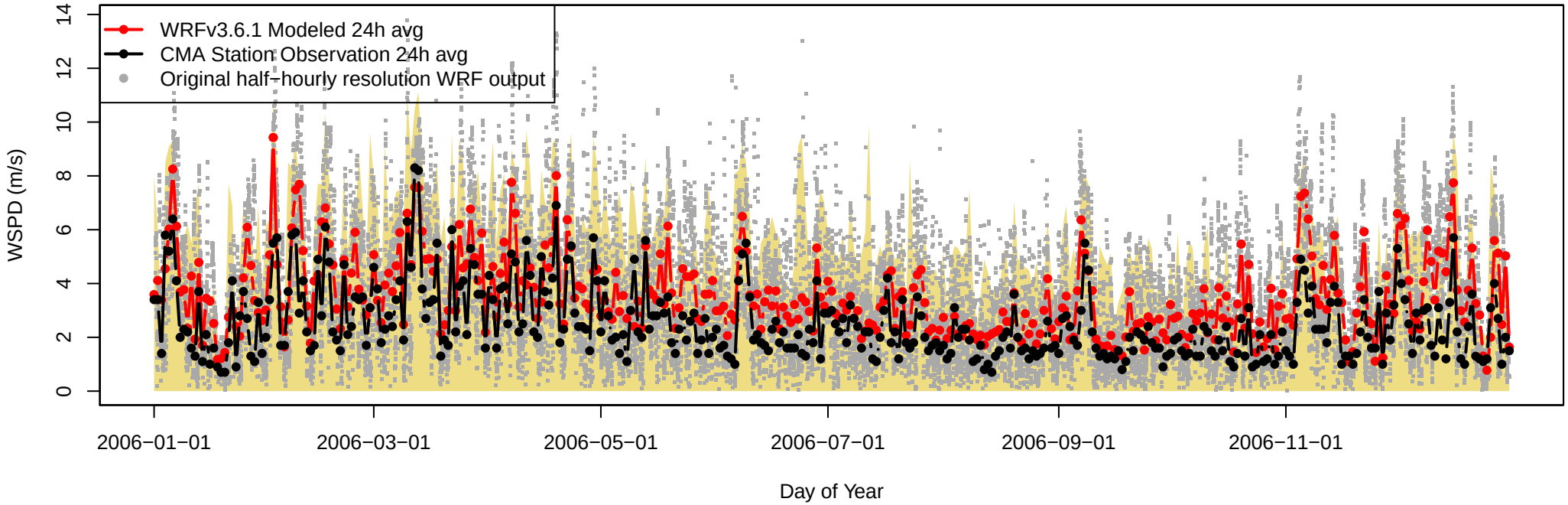


Specific Humidity (mmol/mol) QQ−Plot



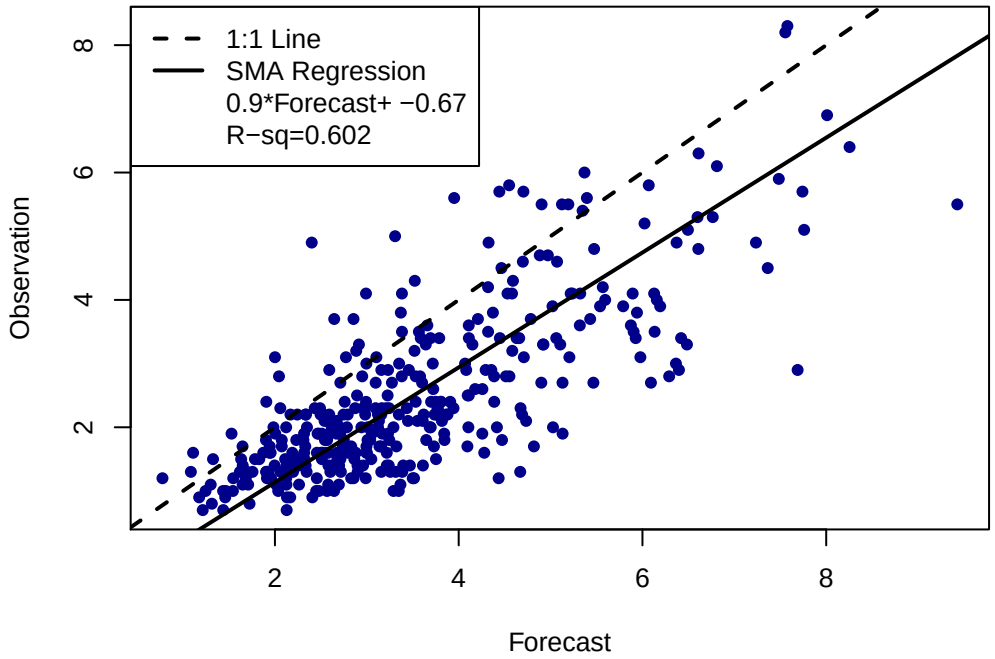

Temp(C) at 2m: CMA Obs Station # 54405 40.4 degN 115.5 degE vs Forecast at 40.418 degN 115.547 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
T2 (C)
30
20
10
0
−10
−20
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data.
Temperature (C) Scatterplot
1:1 Line
SMA Regression
0.98*Forecast+ 0.2
R−sq=0.981
Observation
Forecast
−10
0
10
20
Temperature (C) QQ−Plot
1:1 Line
Observation
Forecast

Wind Speed (m/s) at 10m: CMA Obs Station # 54405 40.4 degN 115.5 degE vs Forecast at 40.418 degN 115.547 degE
2006, All Times Local (UTC+8)

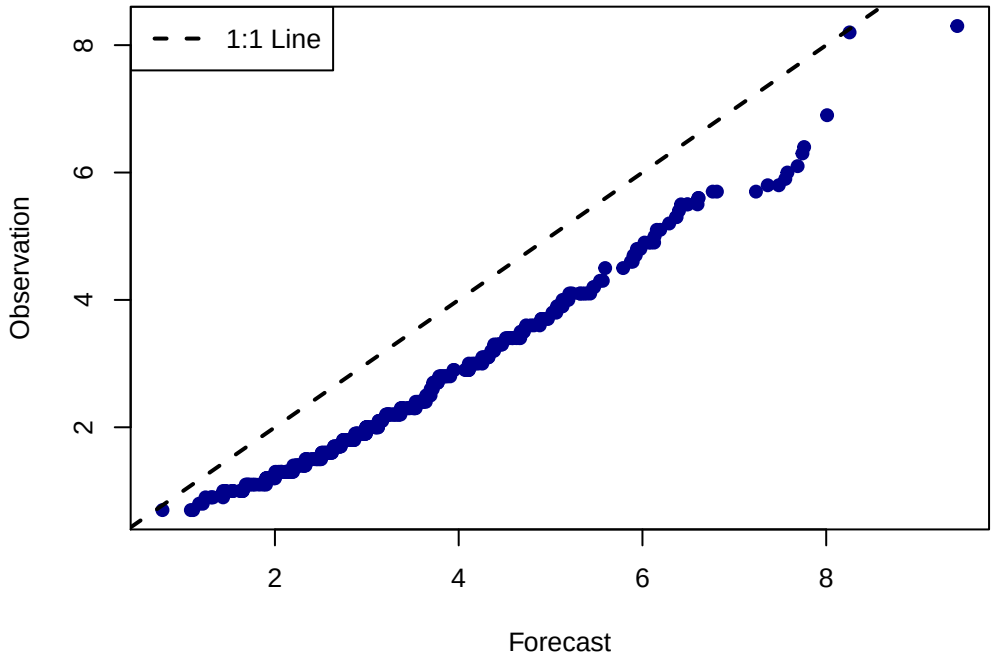


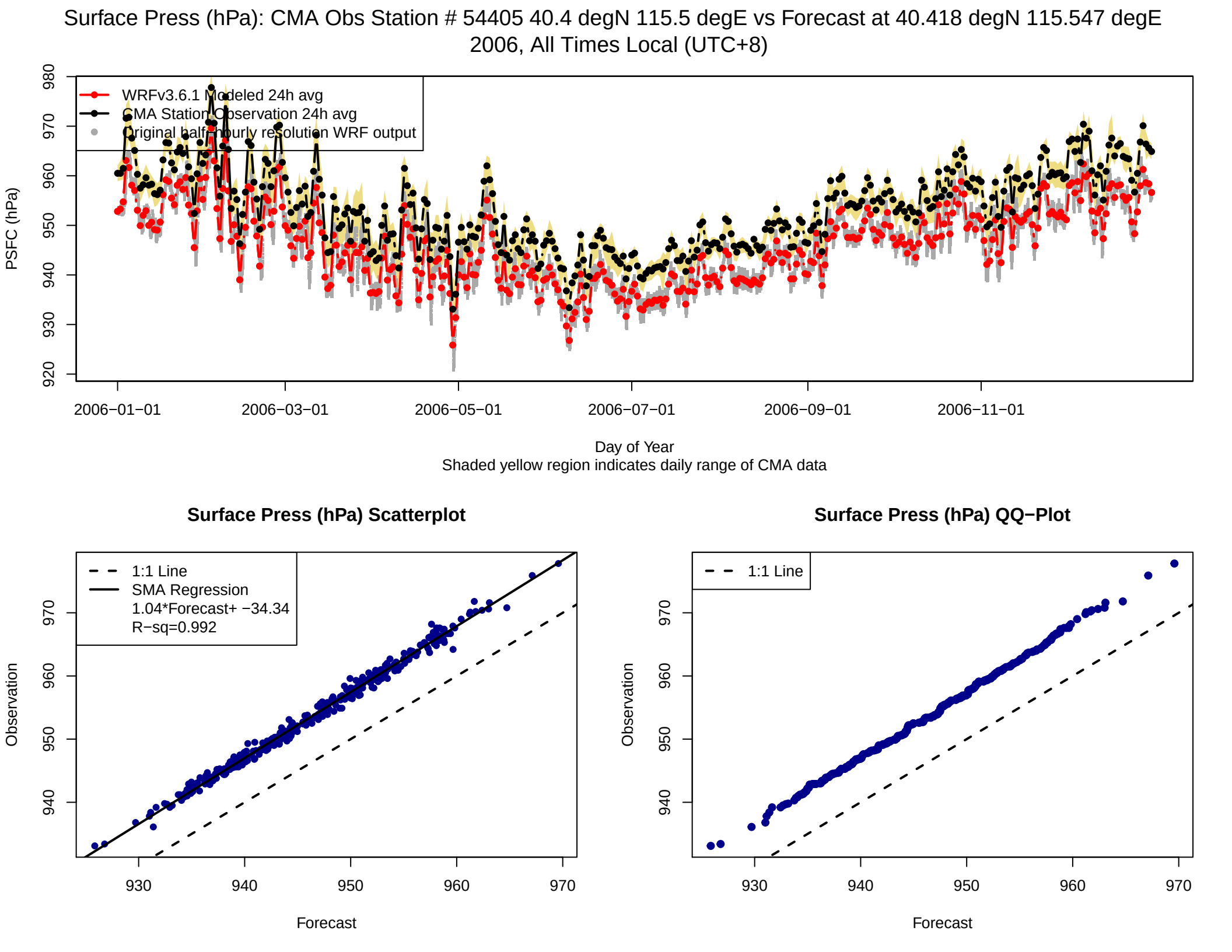
Shaded yellow region indicates daily range of CMA data. Min daily WSPD unavailable but assumed (and set at) 0.

Wind Speed (m/s) Scatterplot



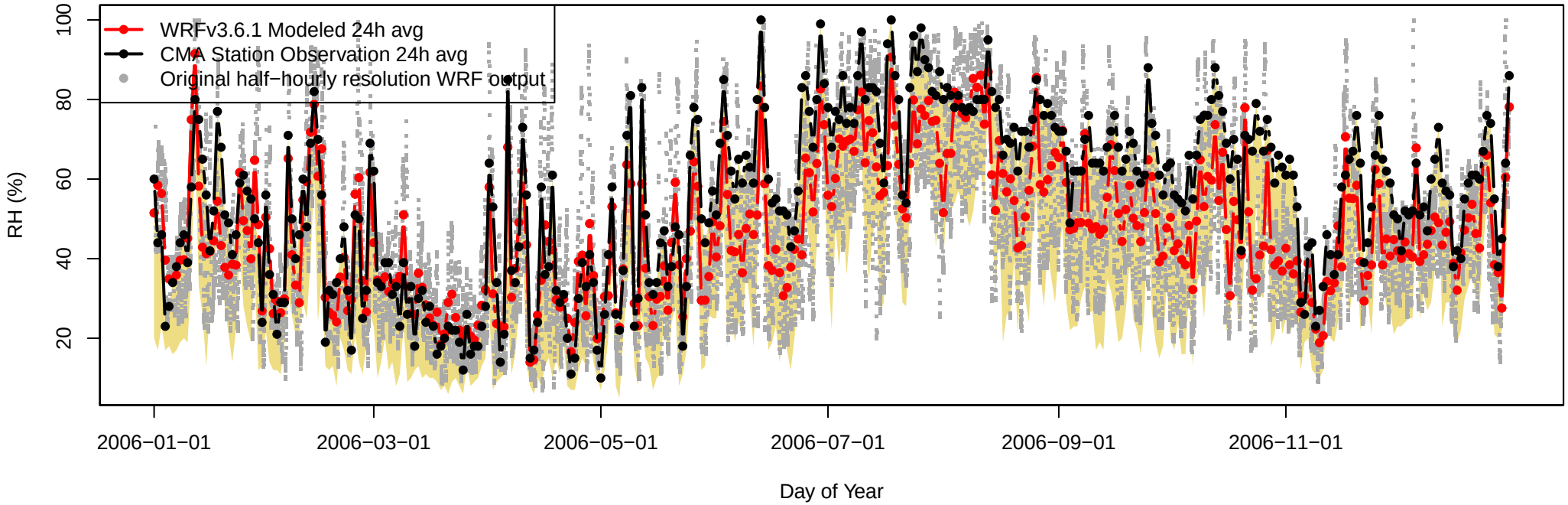
Wind Speed (m/s) QQ−Plot




Surface Press (hPa): CMA Obs Station # 54405 40.4 degN 115.5 degE vs Forecast at 40.418 degN 115.547 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half-hourly resolution WRF output
PSFC (hPa)
980
970
960
950
940
930
920
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data
Surface Press (hPa) Scatterplot
1:1 Line
SMA Regression
1.04*Forecast+ −34.34
R−sq=0.992
Observation
Forecast
930
940
950
960
970
Surface Press (hPa) QQ−Plot
1:1 Line
Observation
Forecast

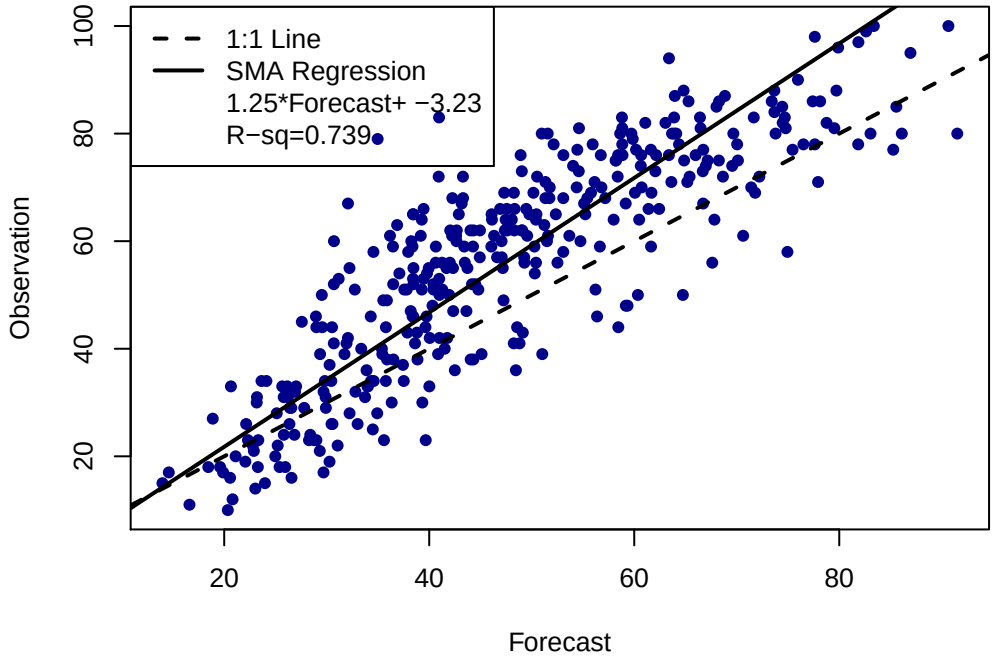
CMA Obs Station # 54423 40.98 degN 117.95 degE
vs Forecast at 41.014 degN 117.979 degE
2006, All Times Local (UTC+8)

Surface RH(%): CMA Obs Station # 54423 40.98 degN 117.95 degE vs 2m Forecast at 41.014 degN 117.979 degE
2006, All Times Local (UTC+8)

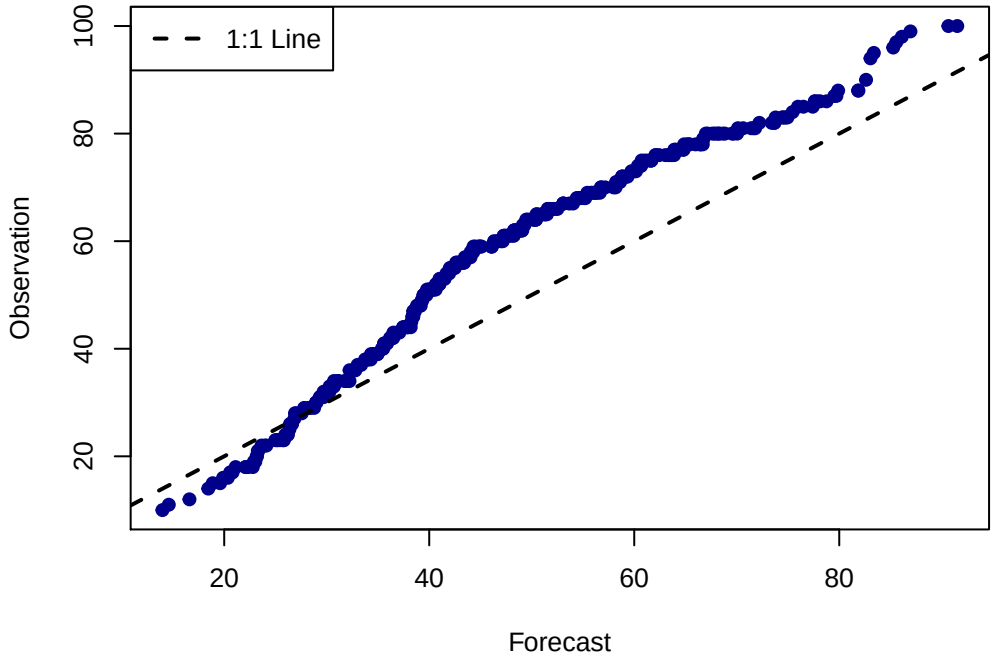


Shaded yellow region indicates daily range of CMA data. (No daily max available for RH%)

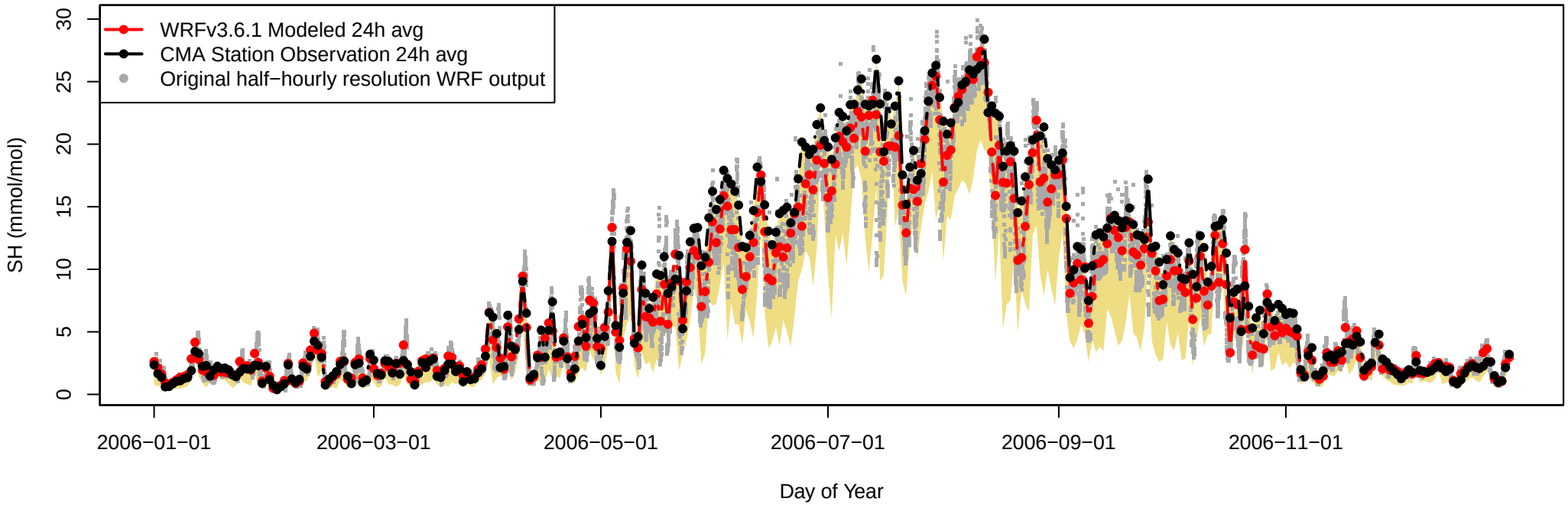
Relative Humidity (%) Scatterplot



Relative Humidity (%) QQ−Plot

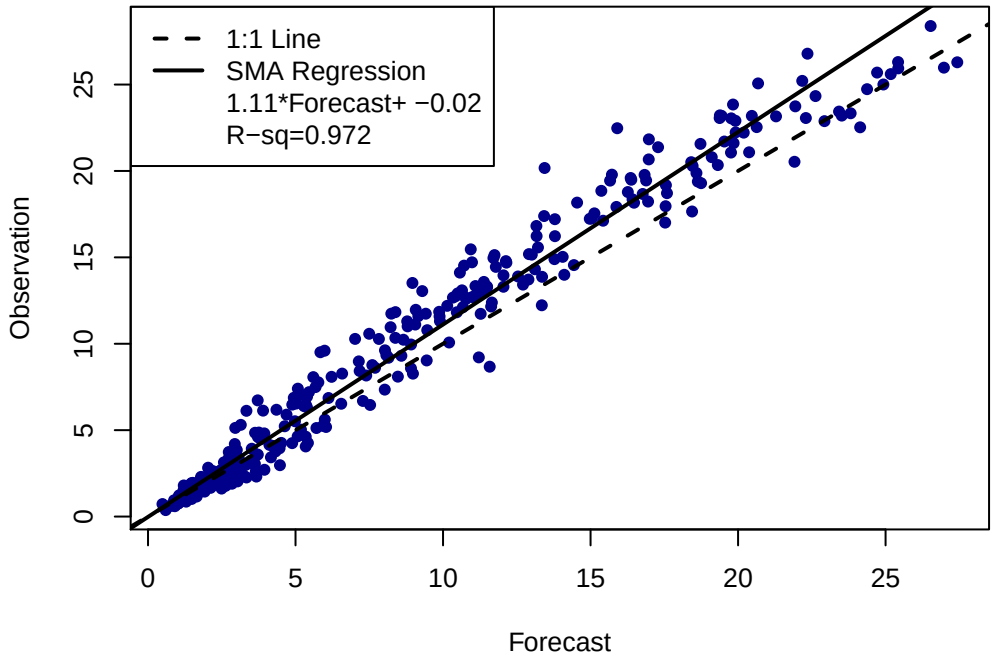


SH(mmol/mol) at 2m: CMA Obs Station # 54423 40.98 degN 117.95 degE vs Forecast at 41.014 degN 117.979 degE
2006 All Times Local (UTC+8)

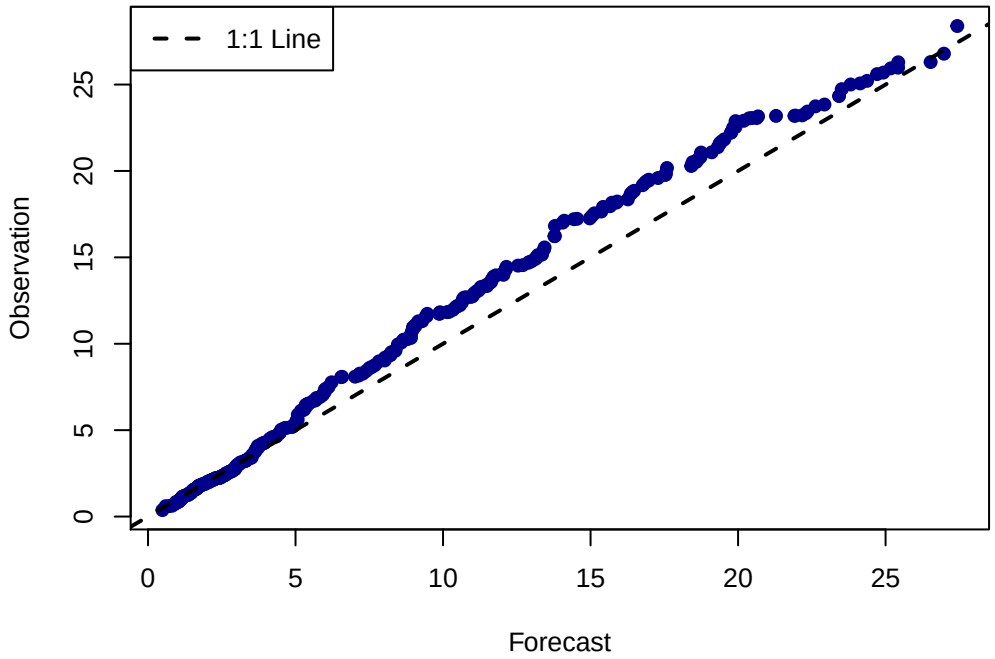


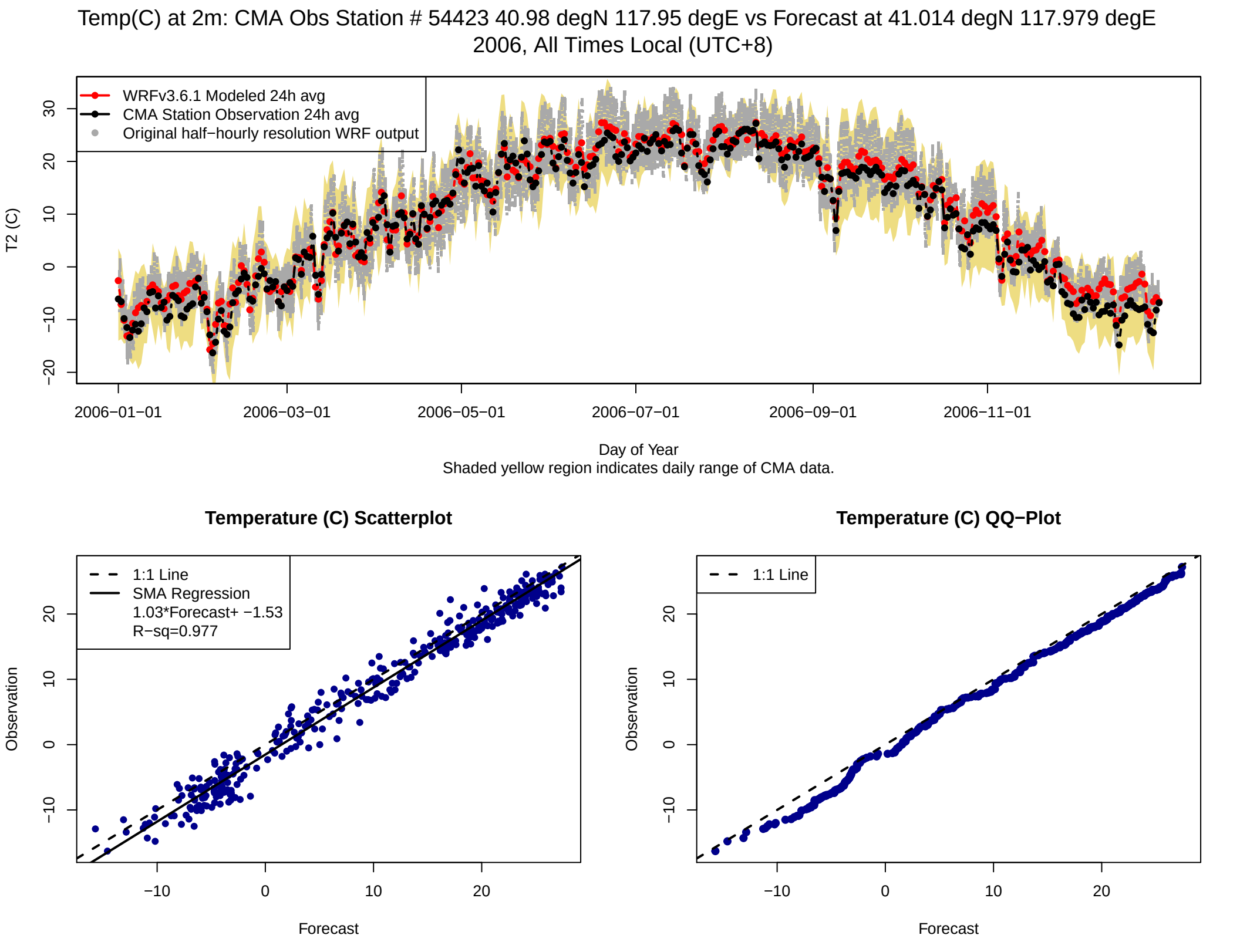
Shaded yellow region indicates daily range of CMA data. (No daily max available for SH)

Specific Humidity (mmol/mol) Scatterplot

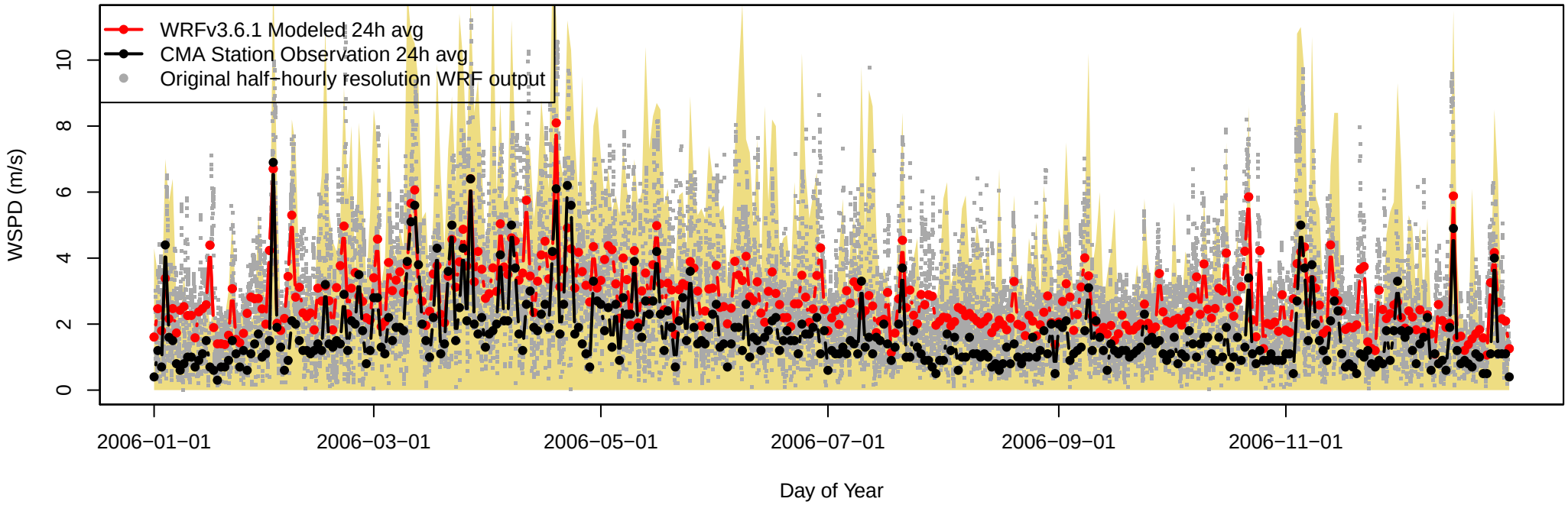


Specific Humidity (mmol/mol) QQ−Plot

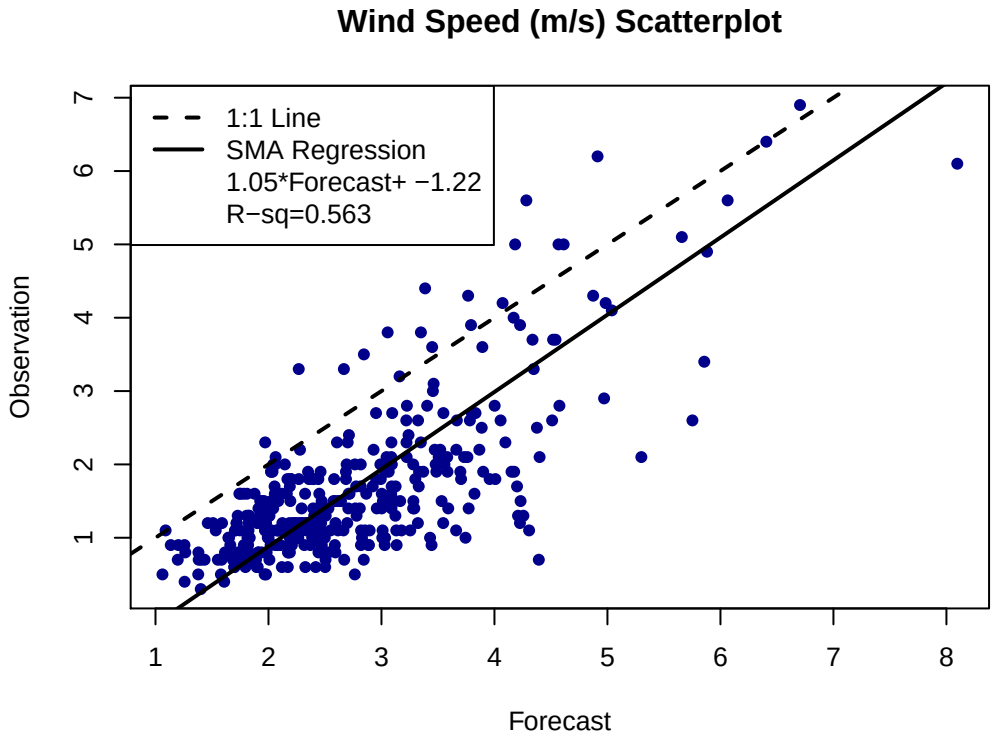


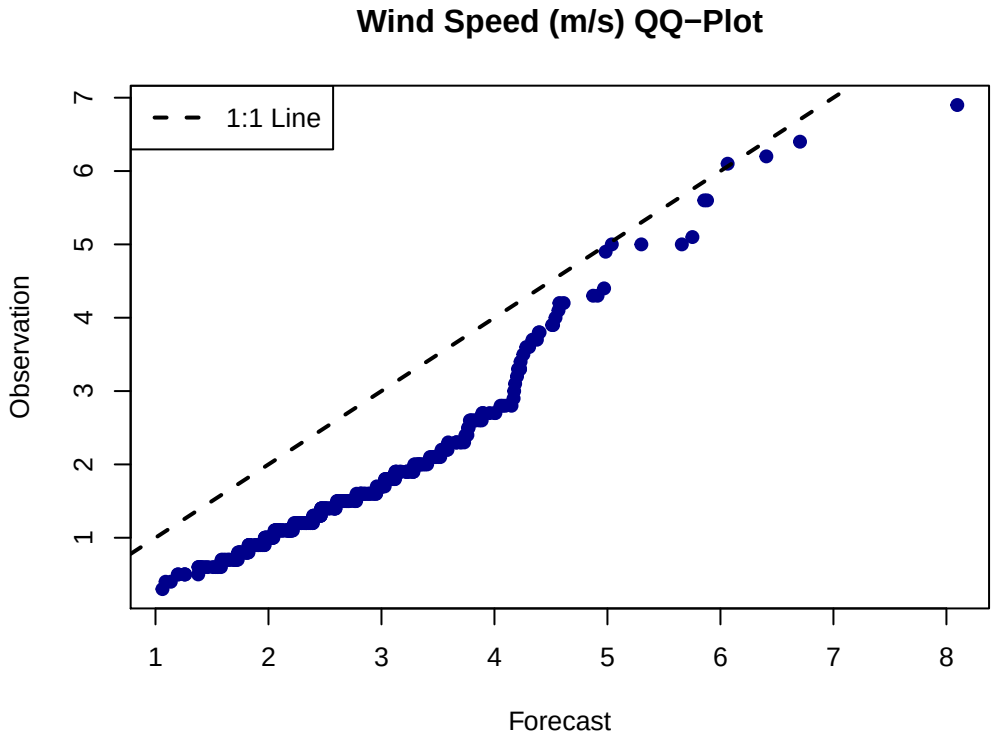

Temp(C) at 2m: CMA Obs Station # 54423 40.98 degN 117.95 degE vs Forecast at 41.014 degN 117.979 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
T2 (C)
30
20
10
0
−10
−20
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data.
Temperature (C) Scatterplot
1:1 Line
SMA Regression
1.03*Forecast+ −1.53
R−sq=0.977
Observation
Forecast
Temperature (C) QQ−Plot
1:1 Line
Observation
Forecast

Wind Speed (m/s) at 10m: CMA Obs Station # 54423 40.98 degN 117.95 degE vs Forecast at 41.014 degN 117.979 degE
2006, All Times Local (UTC+8)

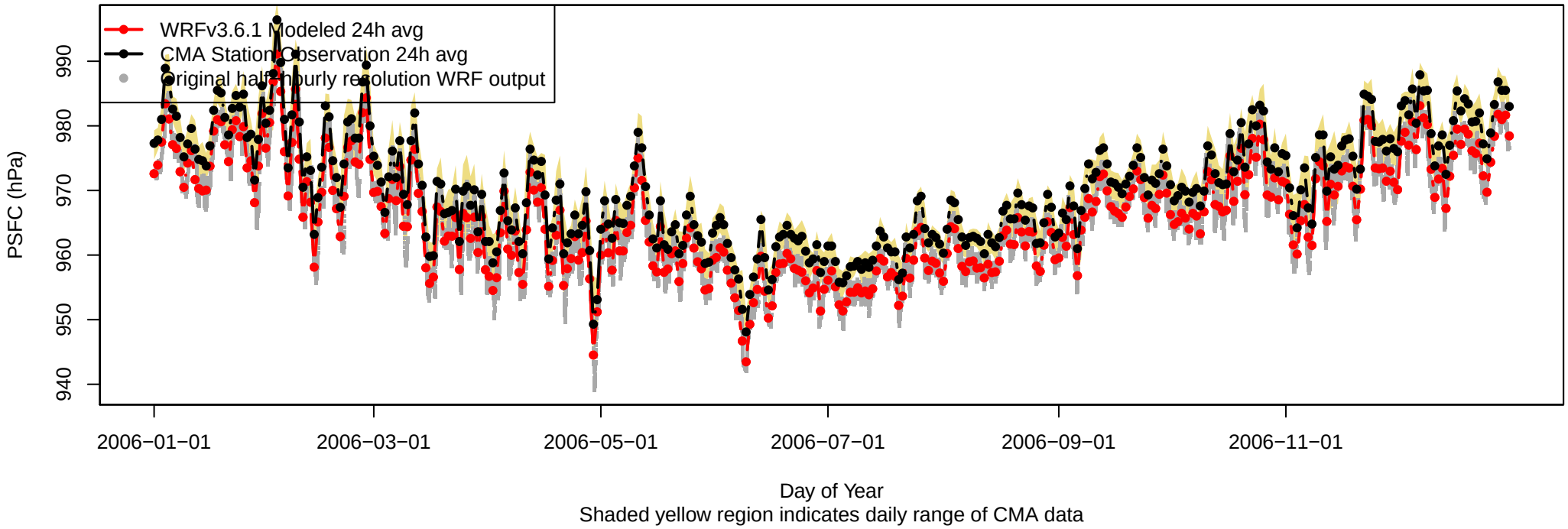


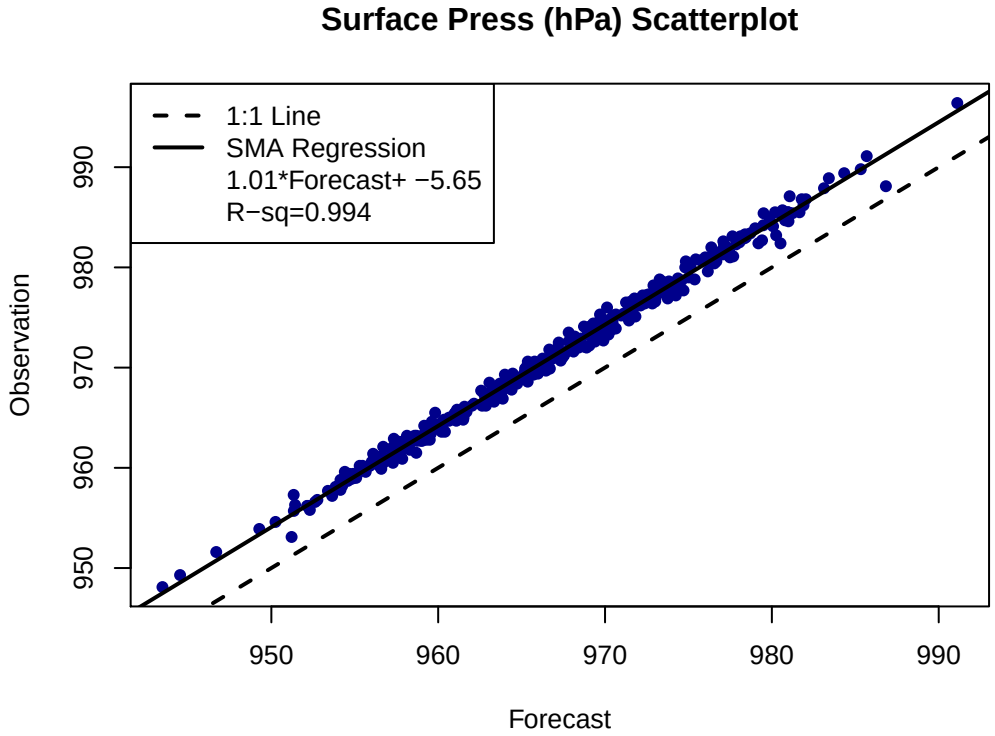
Shaded yellow region indicates daily range of CMA data. Min daily WSPD unavailable but assumed (and set at) 0.

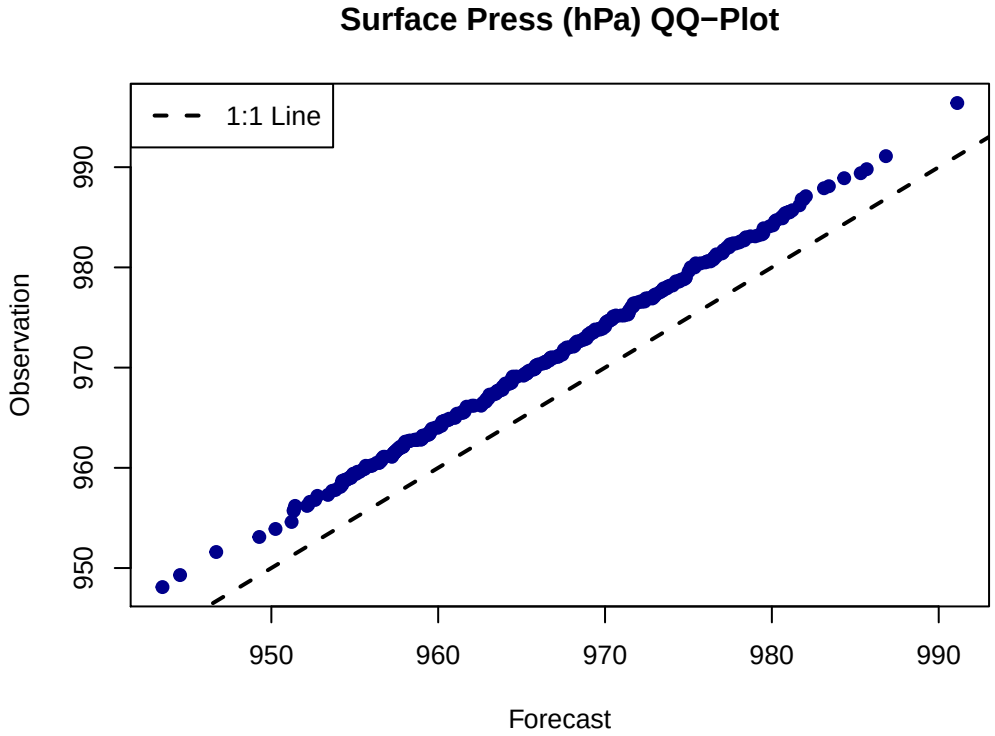




Surface Press (hPa): CMA Obs Station # 54423 40.98 degN 117.95 degE vs Forecast at 41.014 degN 117.979 degE
2006, All Times Local (UTC+8)

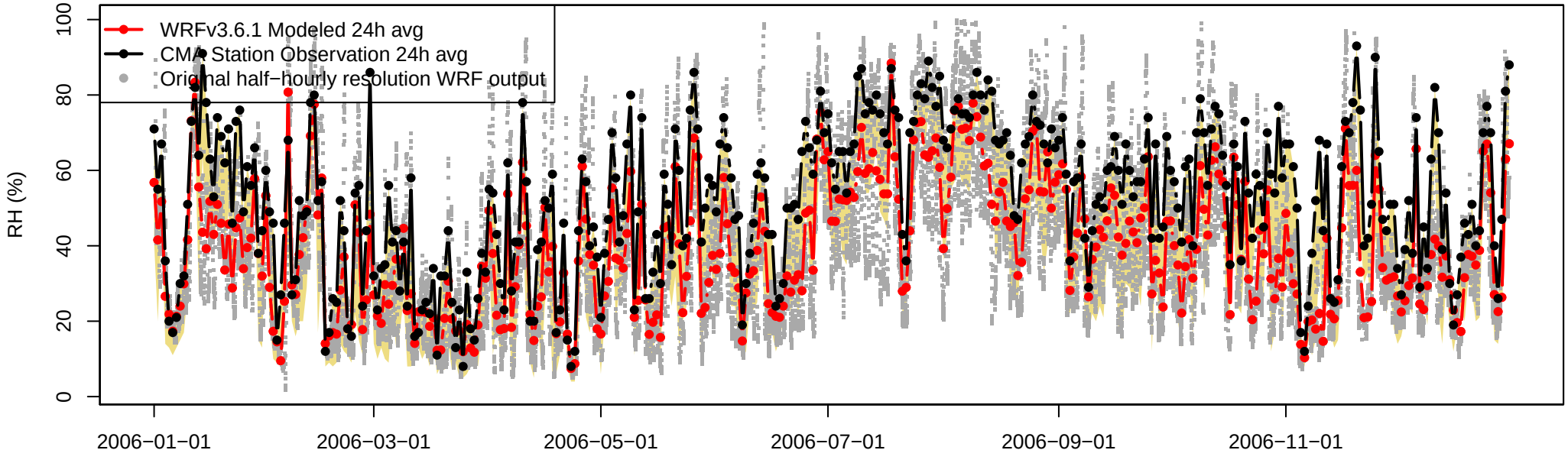






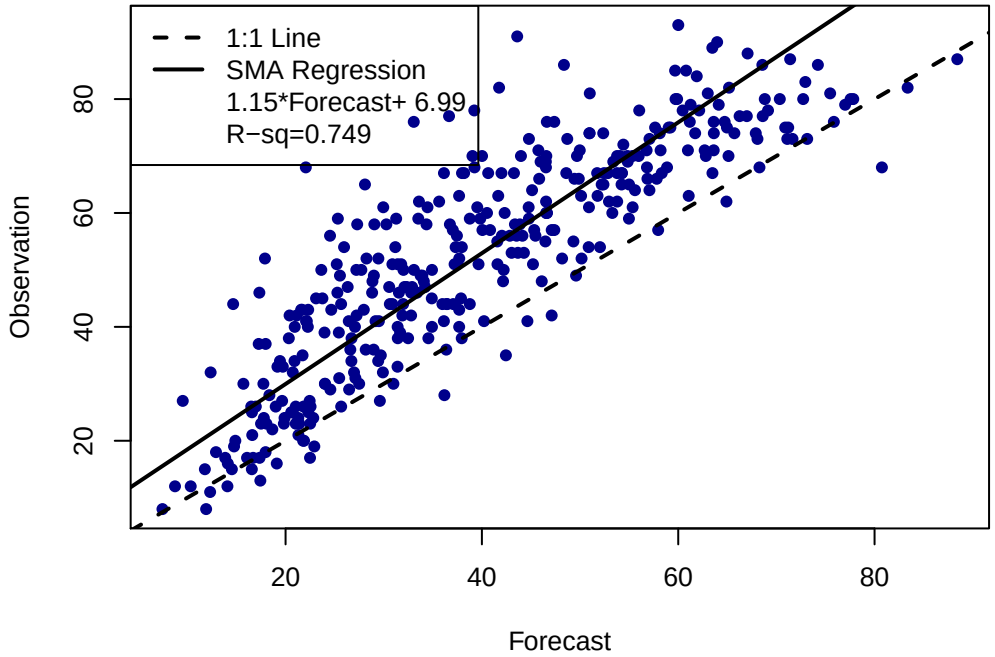
CMA Obs Station # 54511 39.8 degN 116.47 degE
vs Forecast at 39.825 degN 116.511 degE
2006, All Times Local (UTC+8)

Surface RH(%): CMA Obs Station # 54511 39.8 degN 116.47 degE vs 2m Forecast at 39.825 degN 116.511 degE
2006, All Times Local (UTC+8)

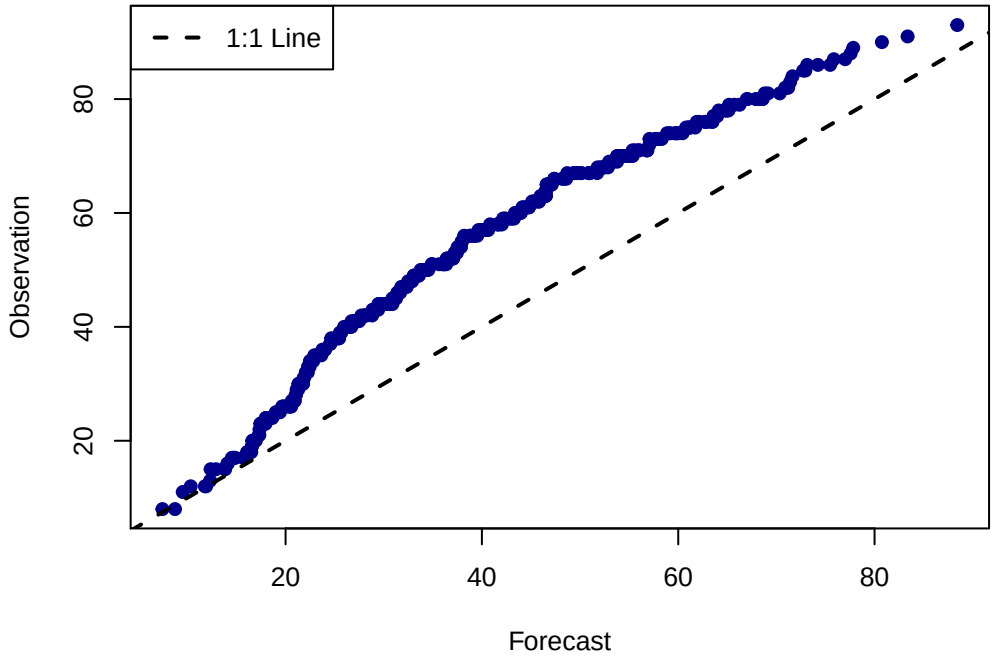


Shaded yellow region indicates daily range of CMA data. (No daily max available for RH%)

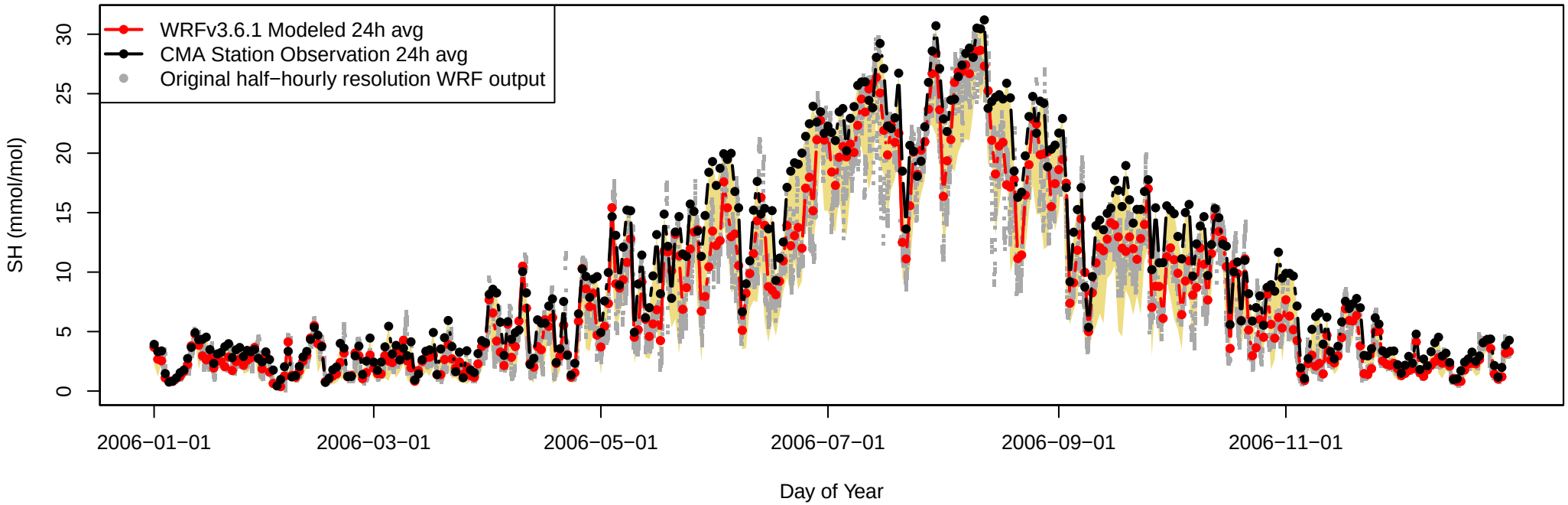
Relative Humidity (%) Scatterplot



Relative Humidity (%) QQ−Plot

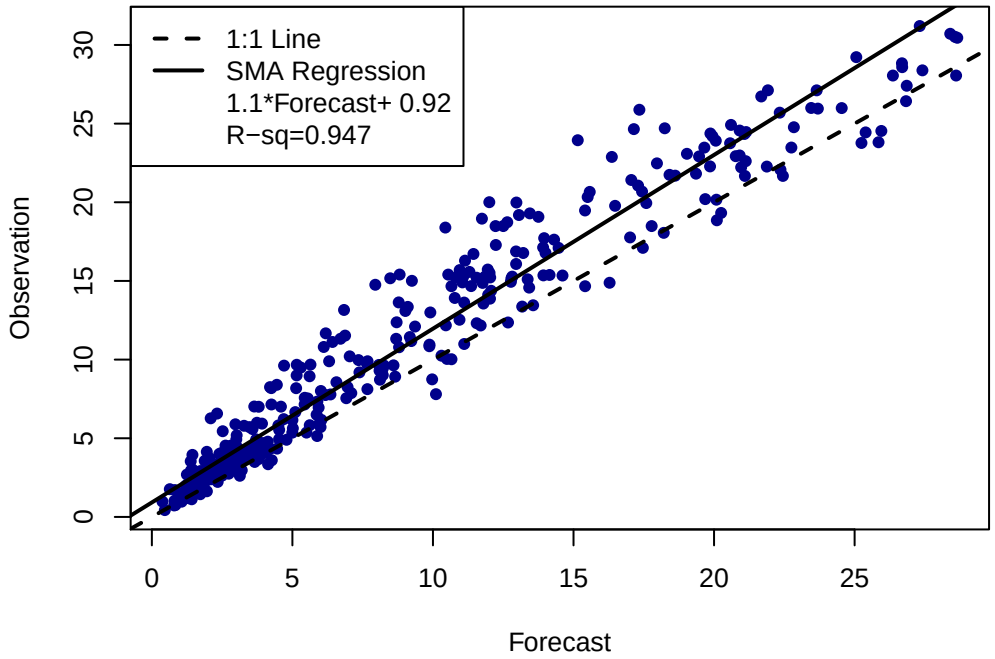


SH(mmol/mol) at 2m: CMA Obs Station # 54511 39.8 degN 116.47 degE vs Forecast at 39.825 degN 116.511 degE
2006 All Times Local (UTC+8)

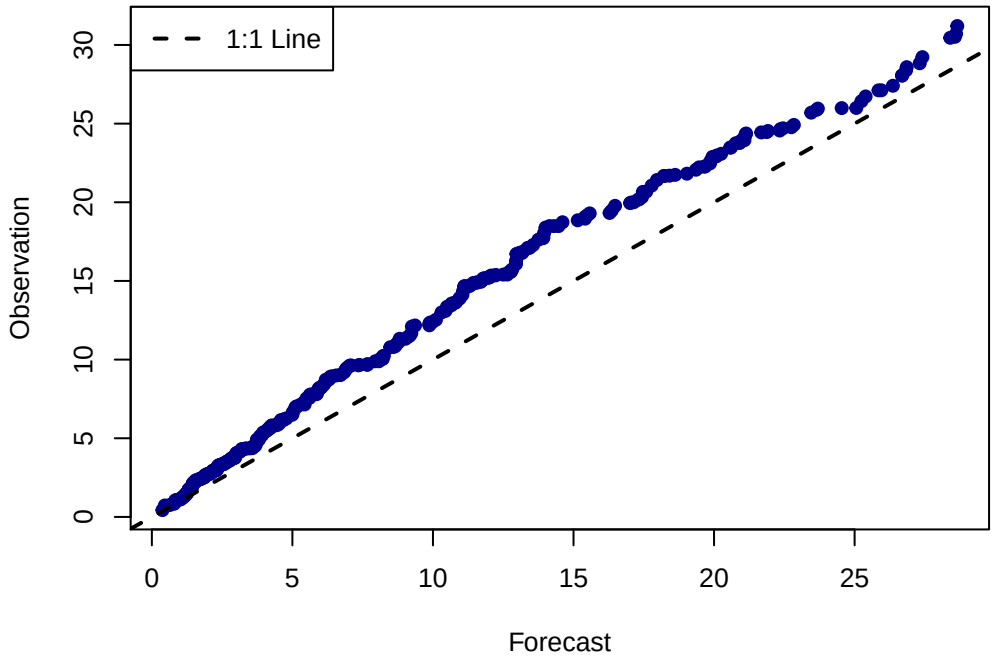


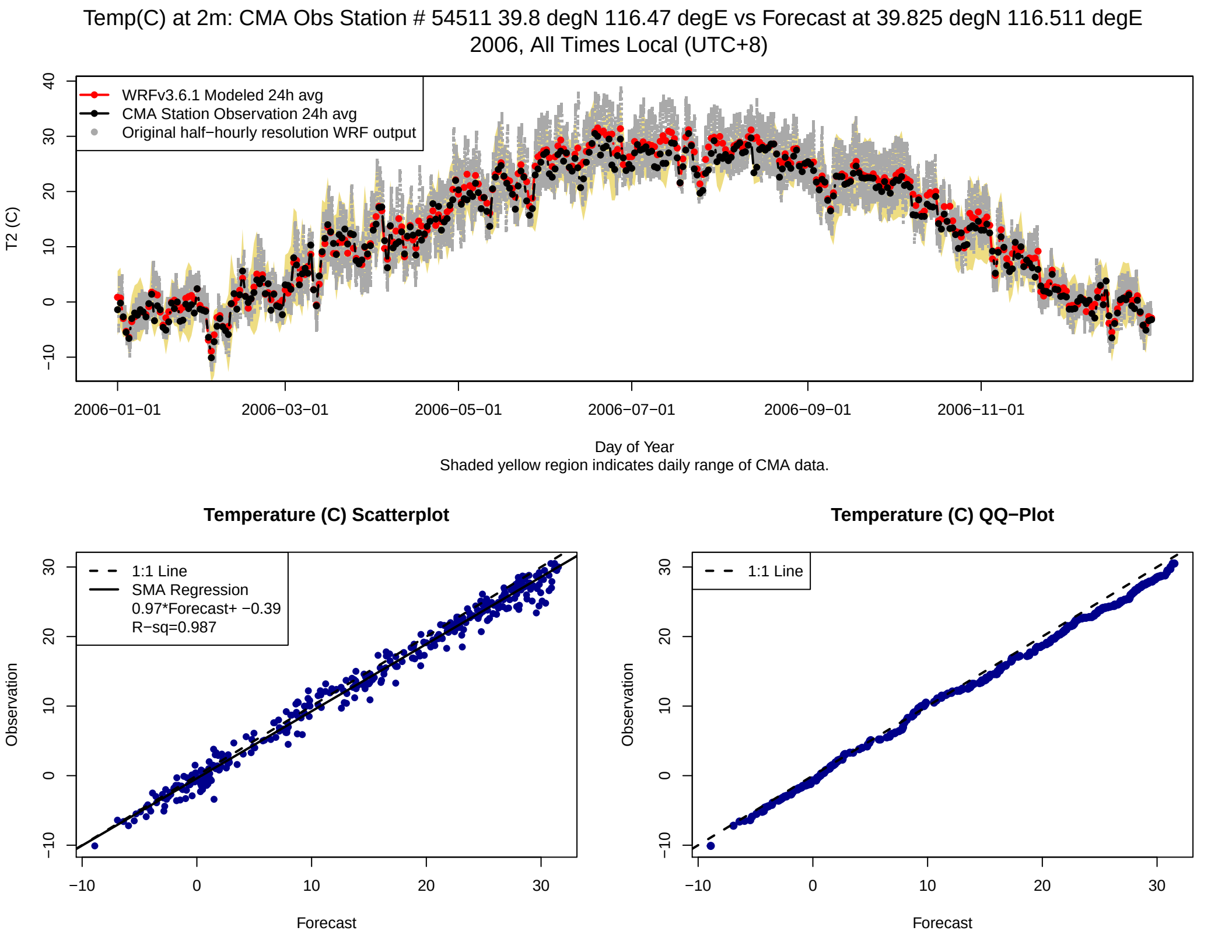
Shaded yellow region indicates daily range of CMA data. (No daily max available for SH)

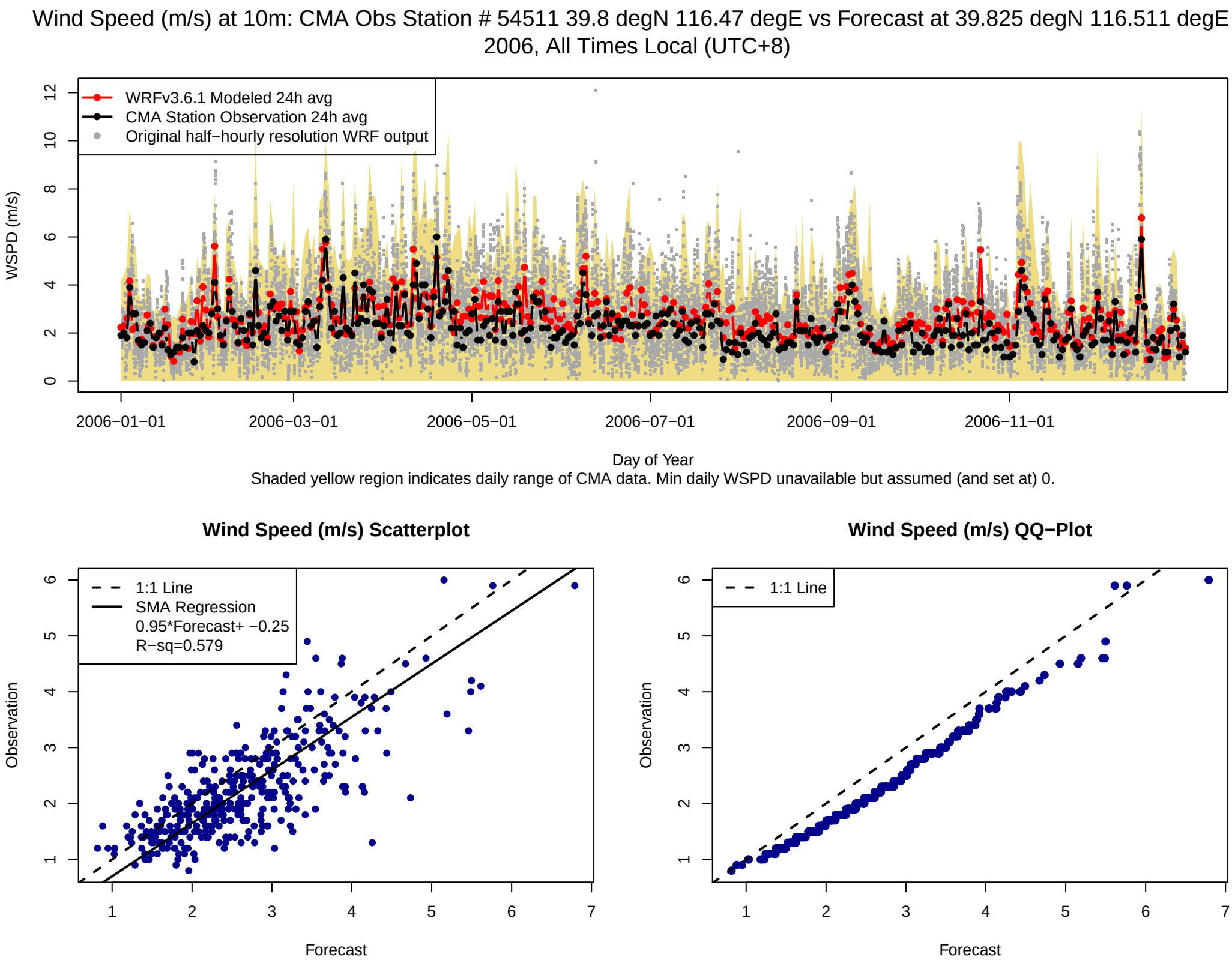
Specific Humidity (mmol/mol) Scatterplot



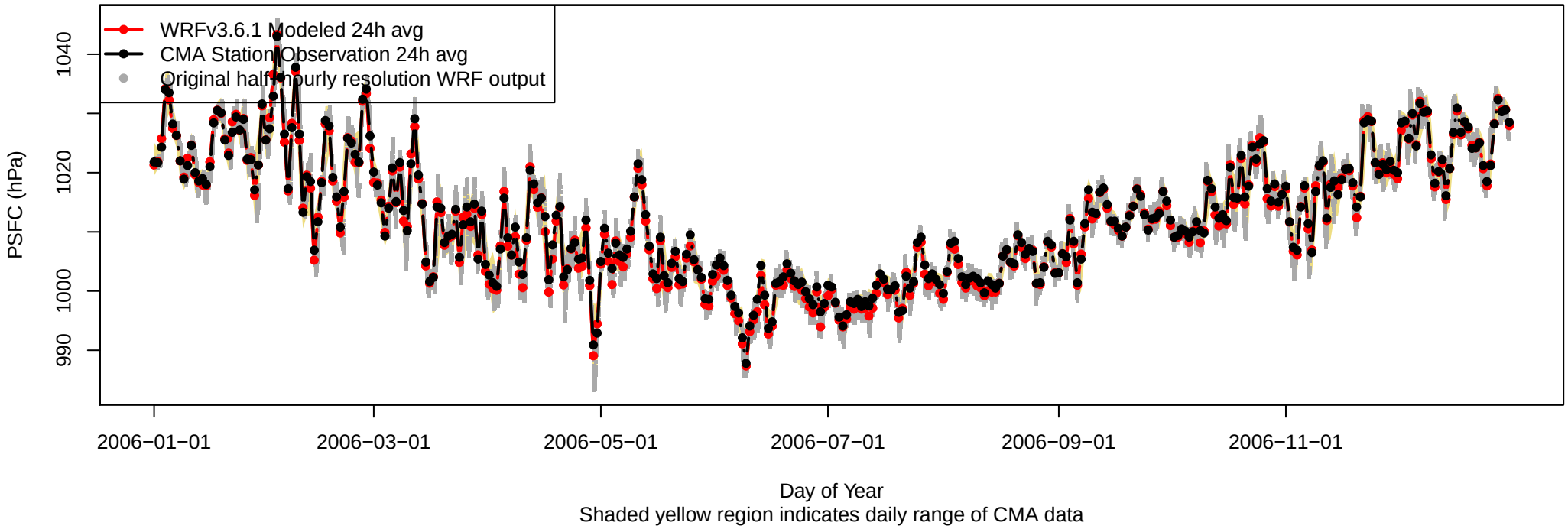
Specific Humidity (mmol/mol) QQ−Plot

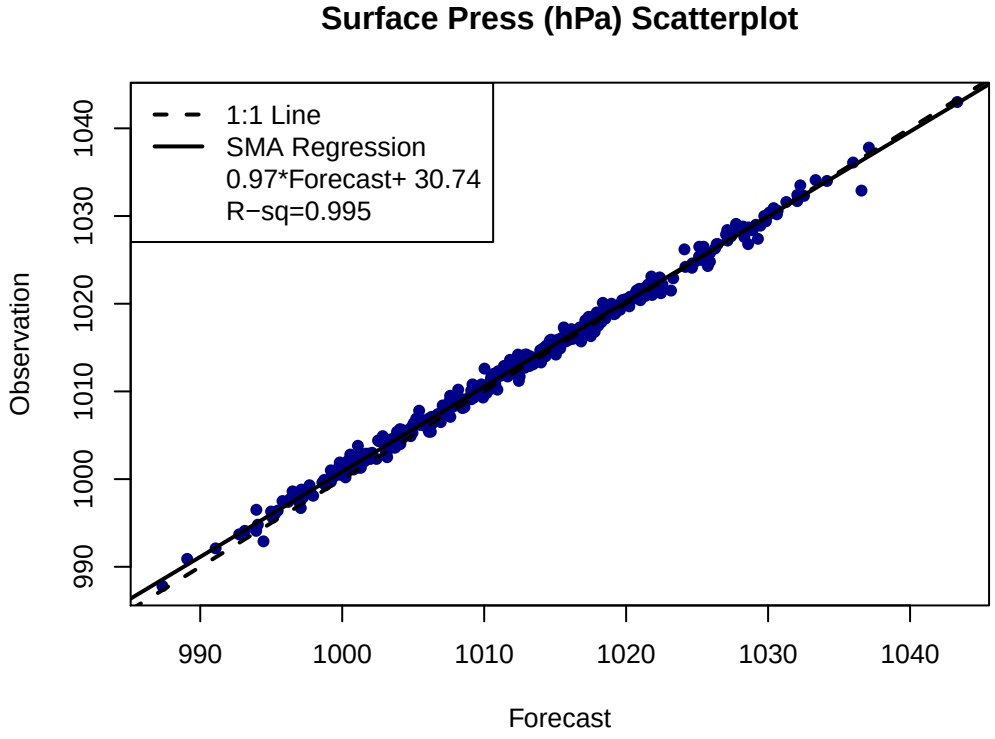


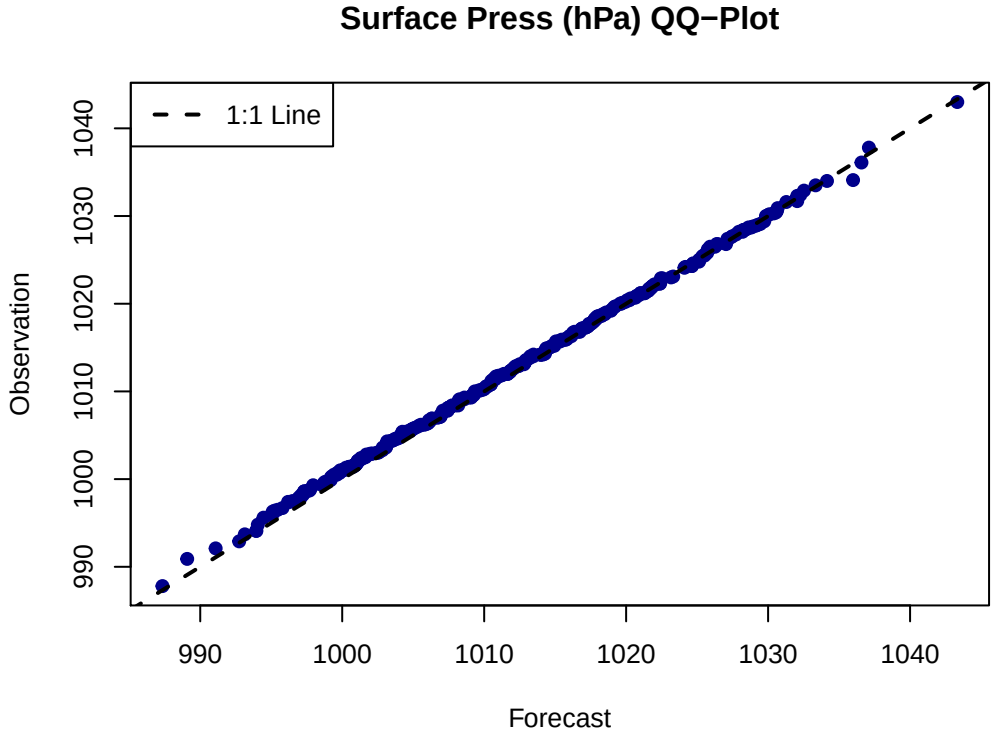

Temp(C) at 2m: CMA Obs Station # 54511 39.8 degN 116.47 degE vs Forecast at 39.825 degN 116.511 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
T2 (C)
40
30
20
10
0
−10
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data.
Temperature (C) Scatterplot
1:1 Line
SMA Regression
0.97*Forecast+ −0.39
R−sq=0.987
Observation
Forecast
−10
0
10
20
30
Temperature (C) QQ−Plot
1:1 Line
Observation
Forecast


Wind Speed (m/s) at 10m: CMA Obs Station # 54511 39.8 degN 116.47 degE vs Forecast at 39.825 degN 116.511 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
WSPD (m/s)
0
2
4
6
8
10
12
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data. Min daily WSPD unavailable but assumed (and set at) 0.
Wind Speed (m/s) Scatterplot
1:1 Line
SMA Regression
0.95*Forecast+ −0.25
R−sq=0.579
Observation
Forecast
1
2
3
4
5
6
7
Wind Speed (m/s) QQ−Plot
1:1 Line
Observation
Forecast

Surface Press (hPa): CMA Obs Station # 54511 39.8 degN 116.47 degE vs Forecast at 39.825 degN 116.511 degE
2006, All Times Local (UTC+8)

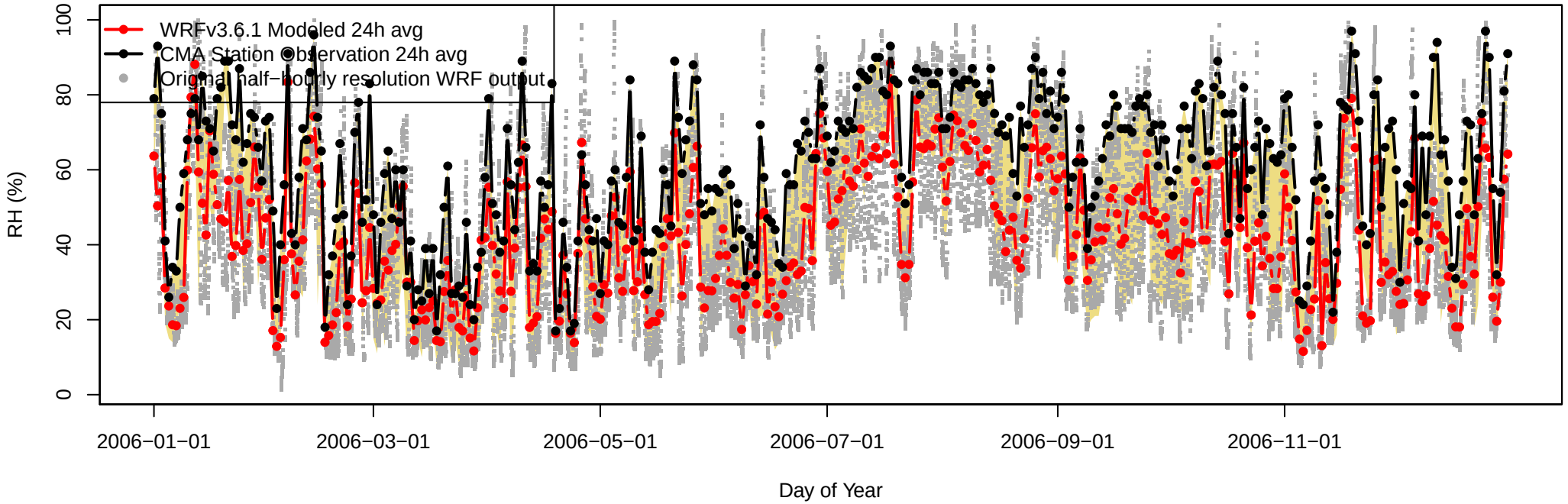






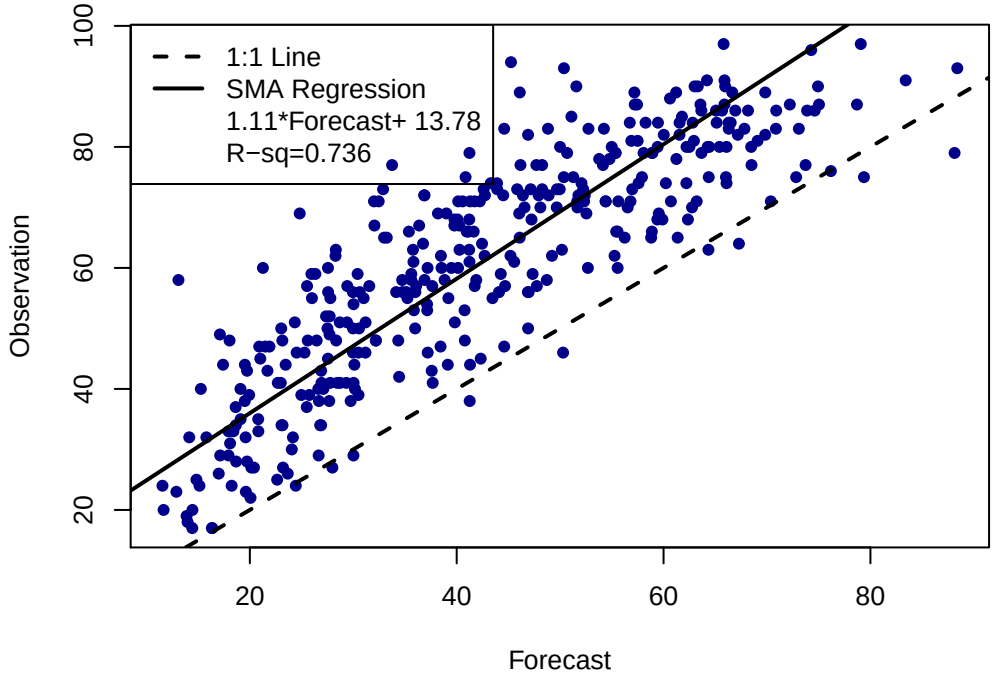
CMA Obs Station # 54527 39.08 degN 117.07 degE
vs Forecast at 39.117 degN 117.11 degE
2006, All Times Local (UTC+8)

Surface RH(%): CMA Obs Station # 54527 39.08 degN 117.07 degE vs 2m Forecast at 39.117 degN 117.11 degE
2006, All Times Local (UTC+8)

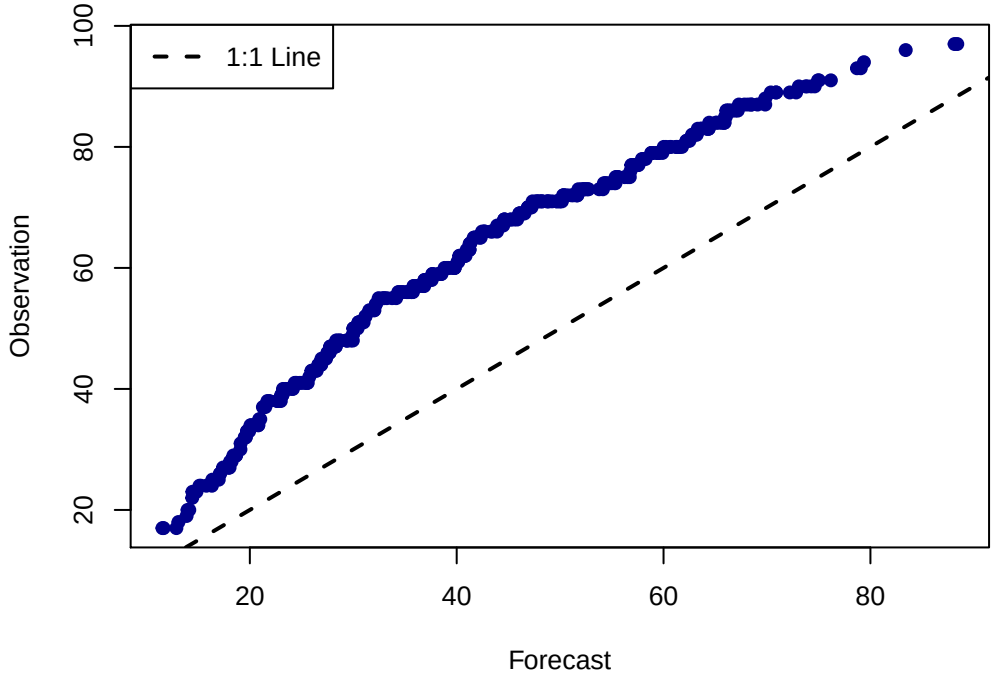


Shaded yellow region indicates daily range of CMA data. (No daily max available for RH%)

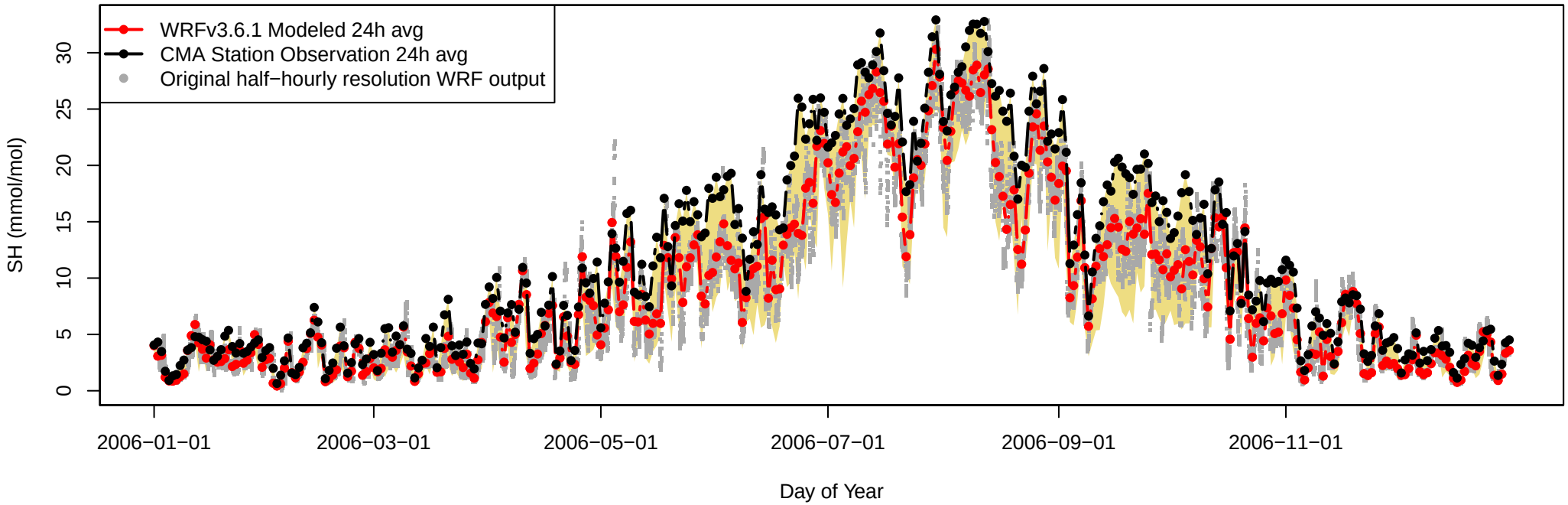
Relative Humidity (%) Scatterplot



Relative Humidity (%) QQ−Plot

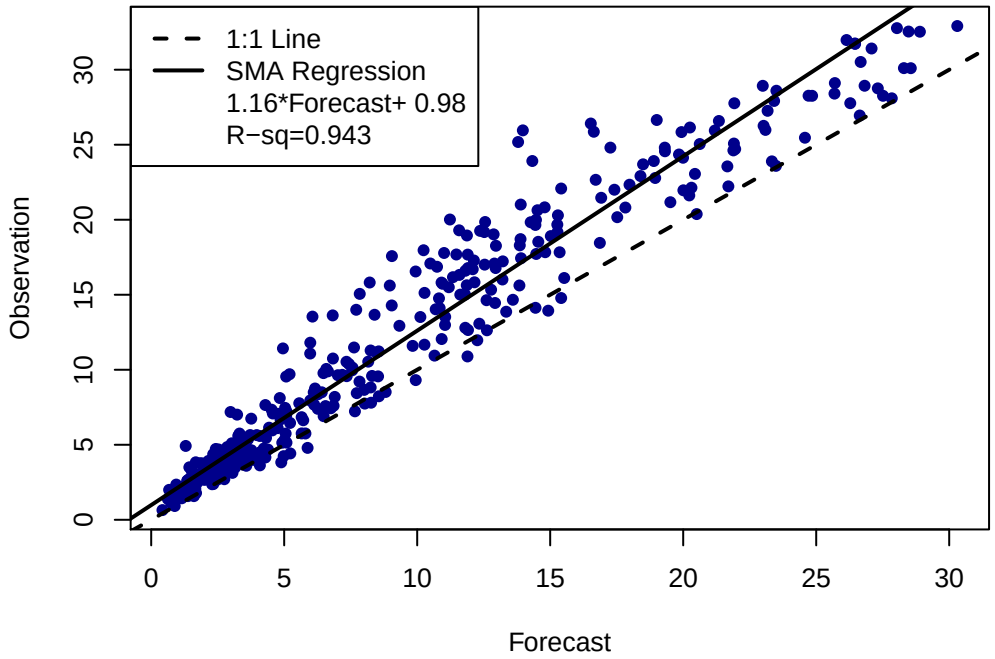


SH(mmol/mol) at 2m: CMA Obs Station # 54527 39.08 degN 117.07 degE vs Forecast at 39.117 degN 117.11 degE
2006 All Times Local (UTC+8)

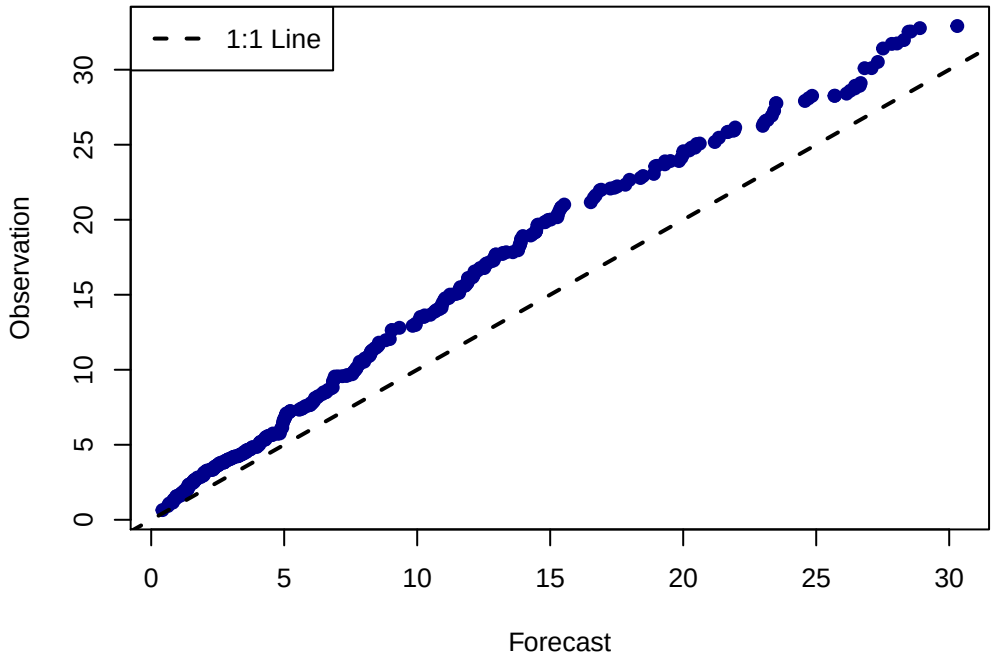


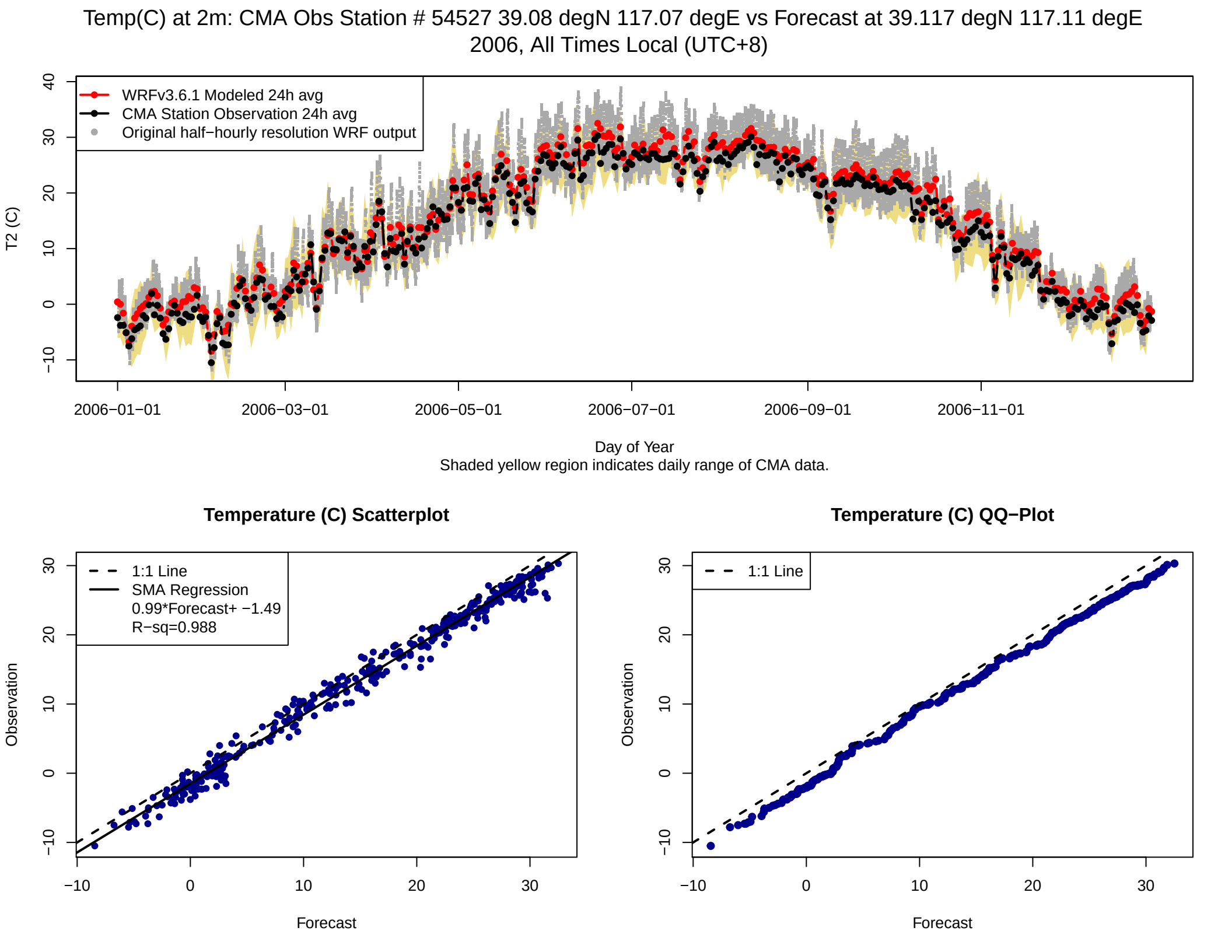
Shaded yellow region indicates daily range of CMA data. (No daily max available for SH)

Specific Humidity (mmol/mol) Scatterplot

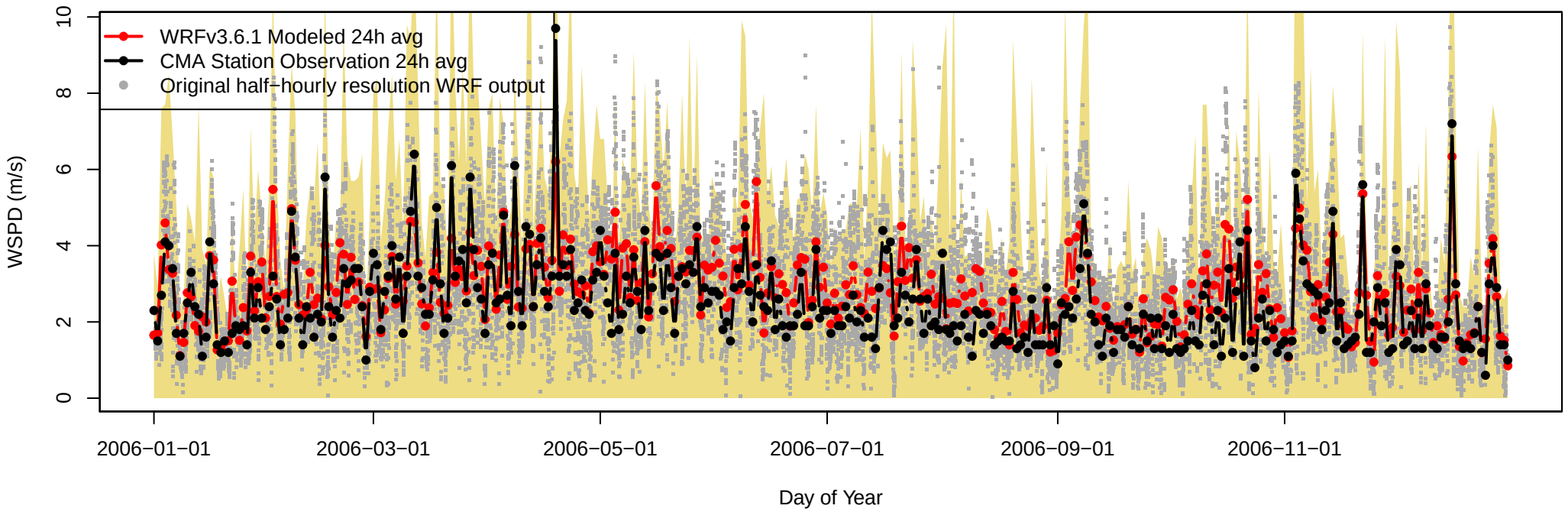


Specific Humidity (mmol/mol) QQ−Plot



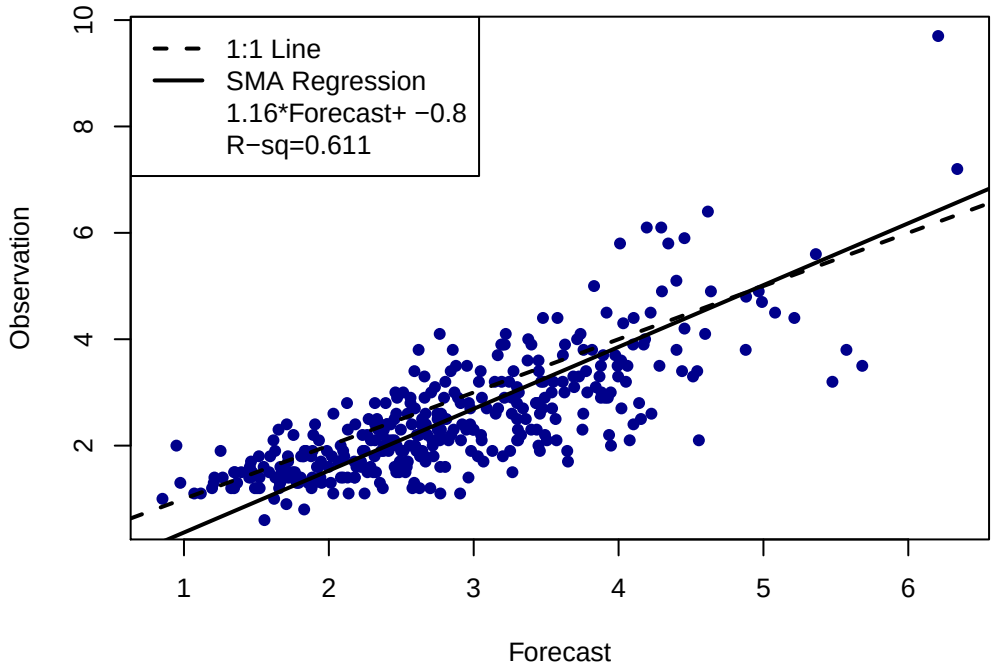

Temp(C) at 2m: CMA Obs Station # 54527 39.08 degN 117.07 degE vs Forecast at 39.117 degN 117.11 degE
2006, All Times Local (UTC+8)
WRFv3.6.1 Modeled 24h avg
CMA Station Observation 24h avg
Original half−hourly resolution WRF output
T2 (C)
40
30
20
10
0
−10
2006−01−01
2006−03−01
2006−05−01
2006−07−01
2006−09−01
2006−11−01
Day of Year
Shaded yellow region indicates daily range of CMA data.
Temperature (C) Scatterplot
1:1 Line
SMA Regression
0.99*Forecast+ −1.49
R−sq=0.988
Observation
Forecast
−10
0
10
20
30
Temperature (C) QQ−Plot
1:1 Line
Observation
Forecast

Wind Speed (m/s) at 10m: CMA Obs Station # 54527 39.08 degN 117.07 degE vs Forecast at 39.117 degN 117.11 degE
2006, All Times Local (UTC+8)

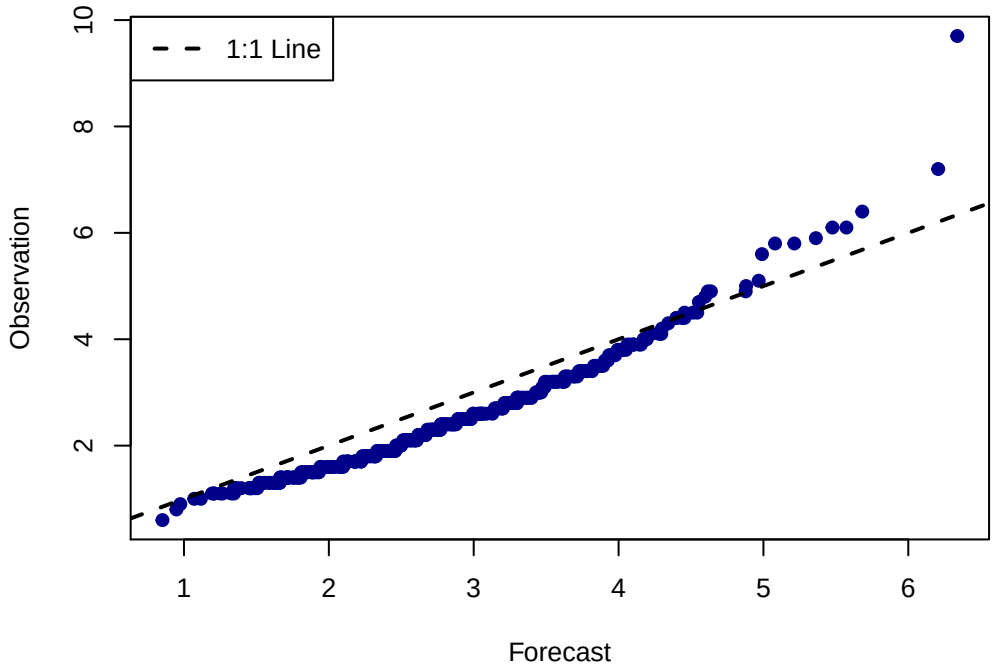
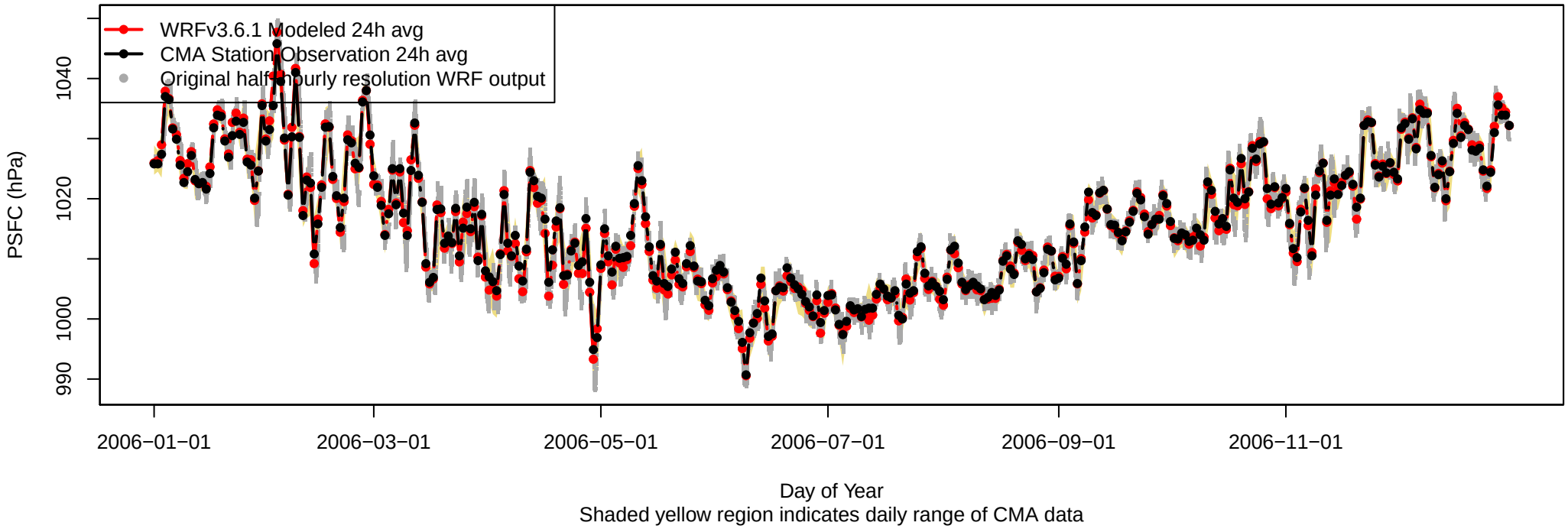
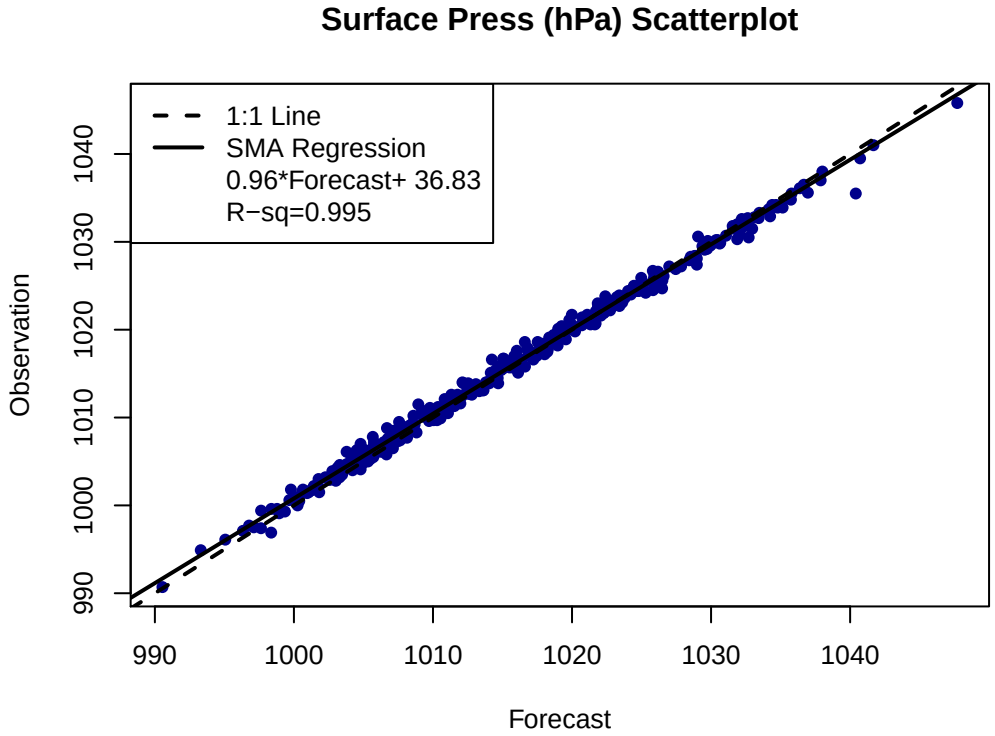
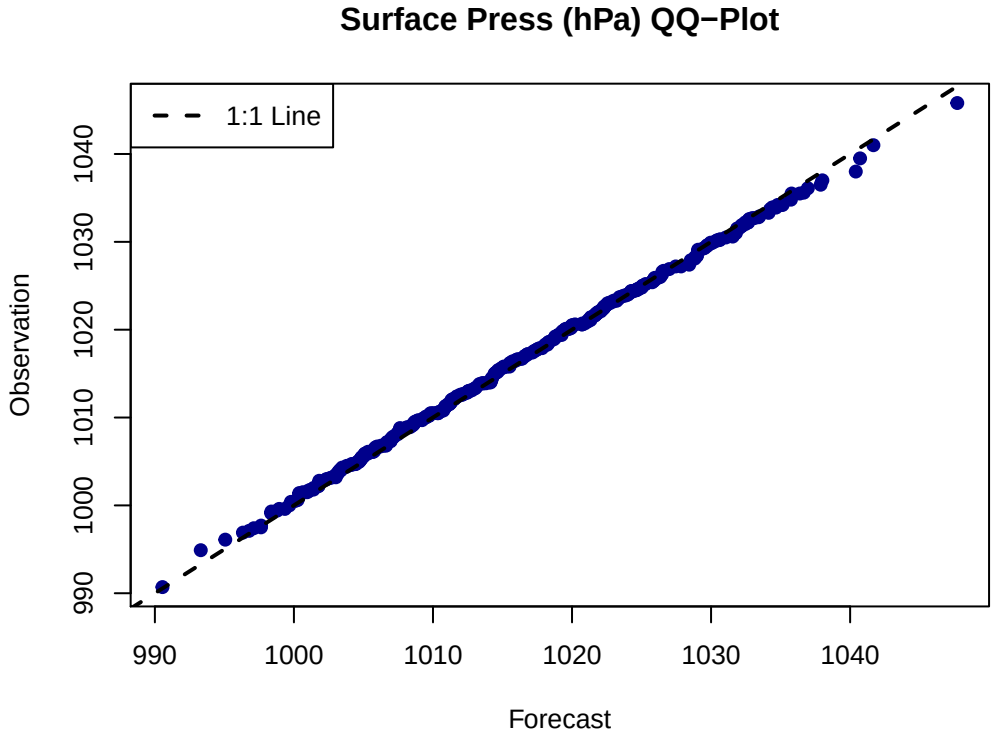


Shaded yellow region indicates daily range of CMA data. Min daily WSPD unavailable but assumed (and set at) 0.

Wind Speed (m/s) Scatterplot



Wind Speed (m/s) QQ−Plot



Surface Press (hPa): CMA Obs Station # 54527 39.08 degN 117.07 degE vs Forecast at 39.117 degN 117.11 degE
2006, All Times Local (UTC+8)