



A Consortium for CONvection-scale modelling
Research and Development



VALIDATION OF SURFACE DA

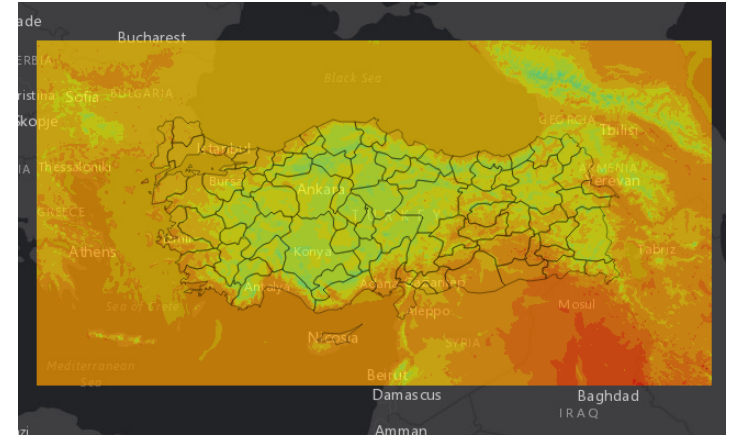
Turkish State Meteorological Service
23.09.2021 Video-Conference

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ycengiz@mgm.gov.tr

AROME-Turkey



- 1.7 km horizontal resolution, 72 vertical levels,
- 50 seconds time step, model version cy43t2_bf10.
- SAPP synop data is assimilated in surface DA.
- Running every 3 hours, coupling with ECMWF-IFS.
- Producing forecasts up to 24 hours.

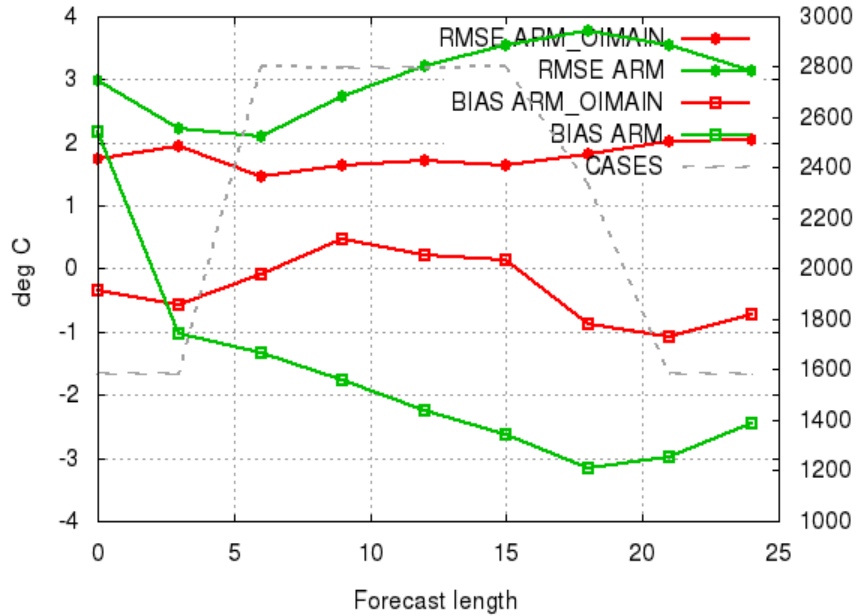


Arome-Tr Ruc fullpos domain

Verification Results



Selection: ALL using 112 stations
T2m Period: 20210810-20210904
Hours: {00}



Selection: ALL using 118 stations
T2m Period: 20210310-20210331
Hours: {00}

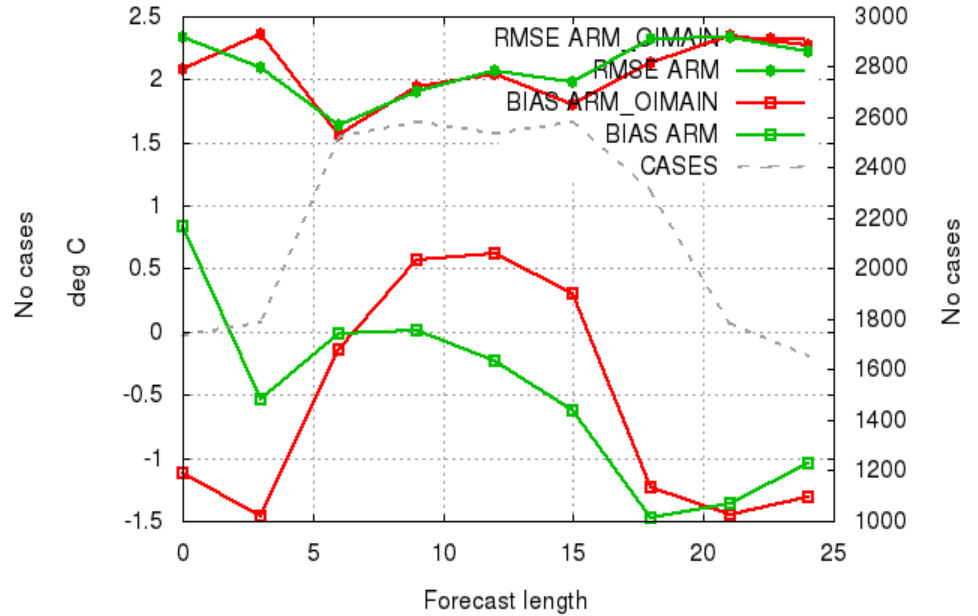


Figure from Cengiz, Y., Sert, M., Akdağ, H.G., SAPP At TSMS presentation, 1st ACCORD All Staff Workshop 2021

Verification Results



Selection: ALL using 112 stations
Rh2m Period: 20210810-20210904
Hours: {00}

Selection: ALL using 118 stations
Rh2m Period: 20210310-20210331
Hours: {00}

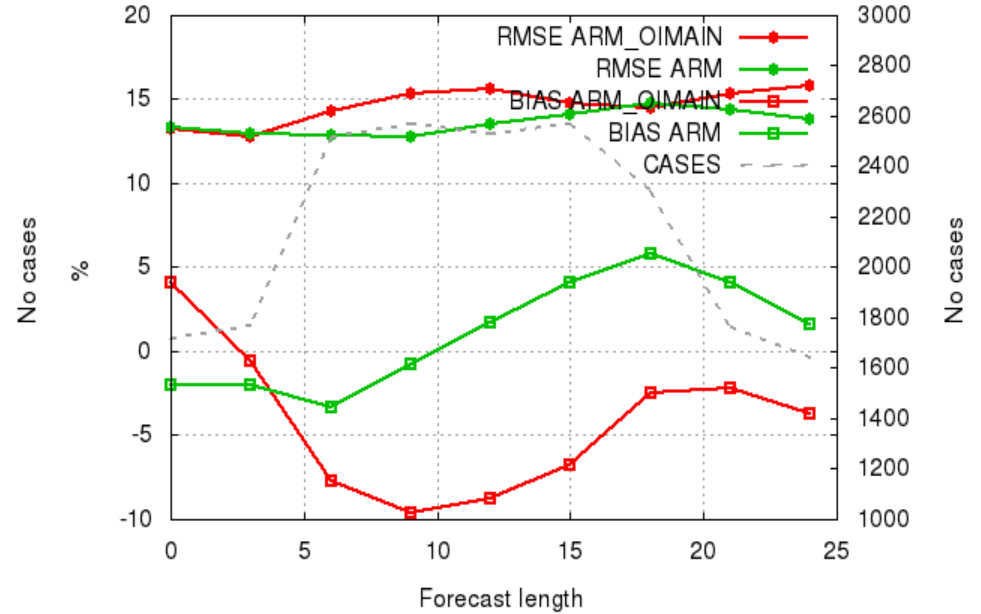
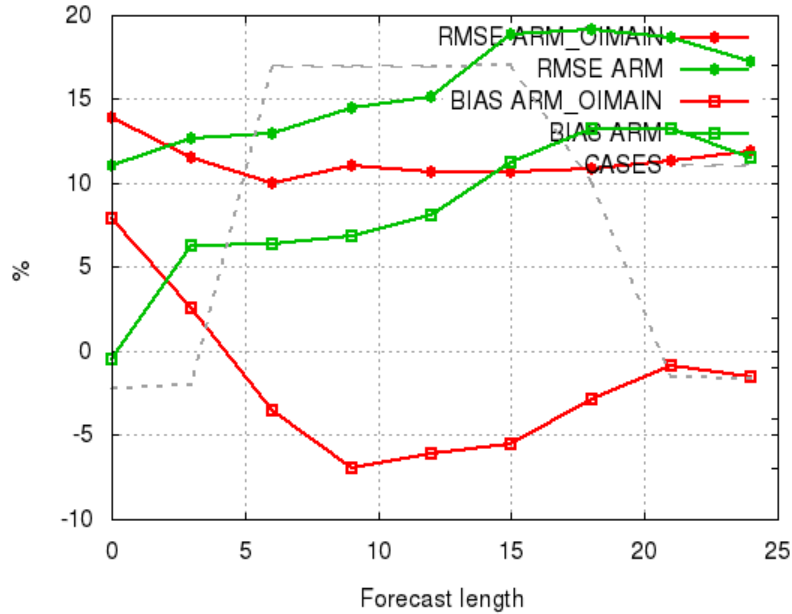
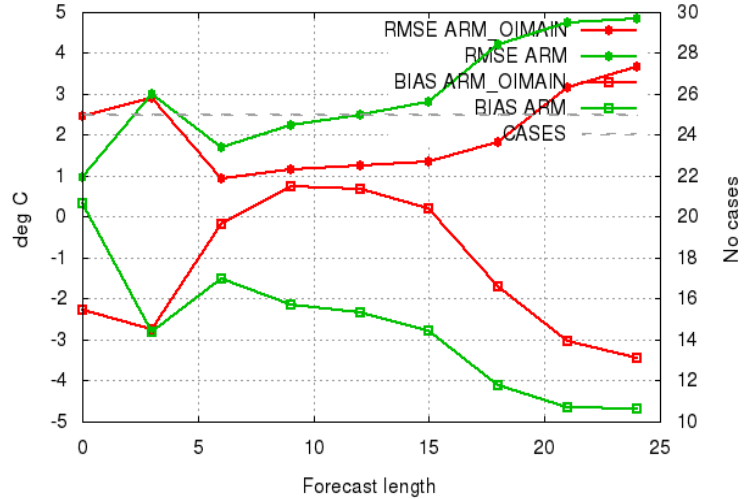


Figure from Cengiz, Y., Sert, M., Akdağ, H.G., SAPP At TSMS presentation, 1st ACCORD All Staff Workshop 2021

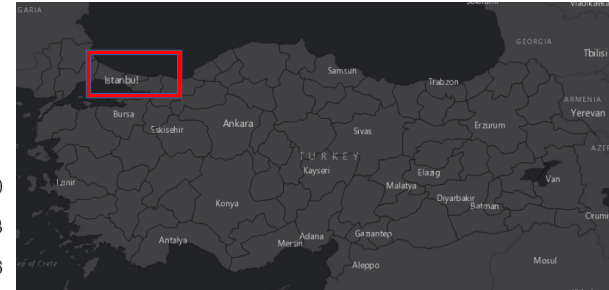
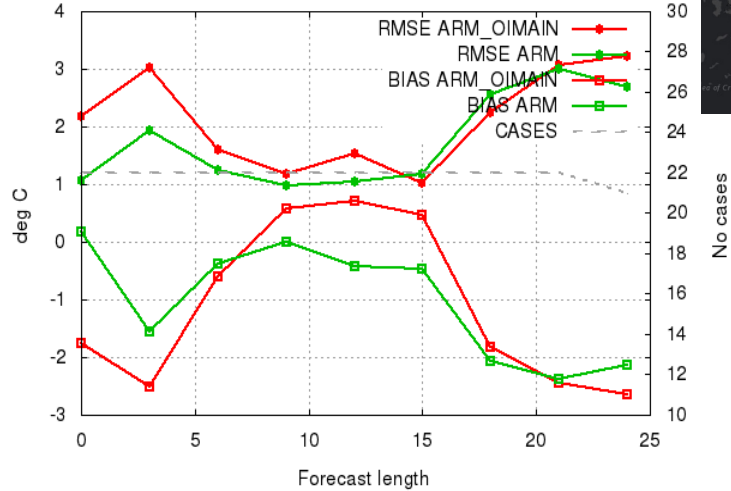
Verification Results



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T2m Period: 20210810-20210904
Hours: {00}



Station: 17060
T2m Period: 20210310-20210331
Hours: {00}

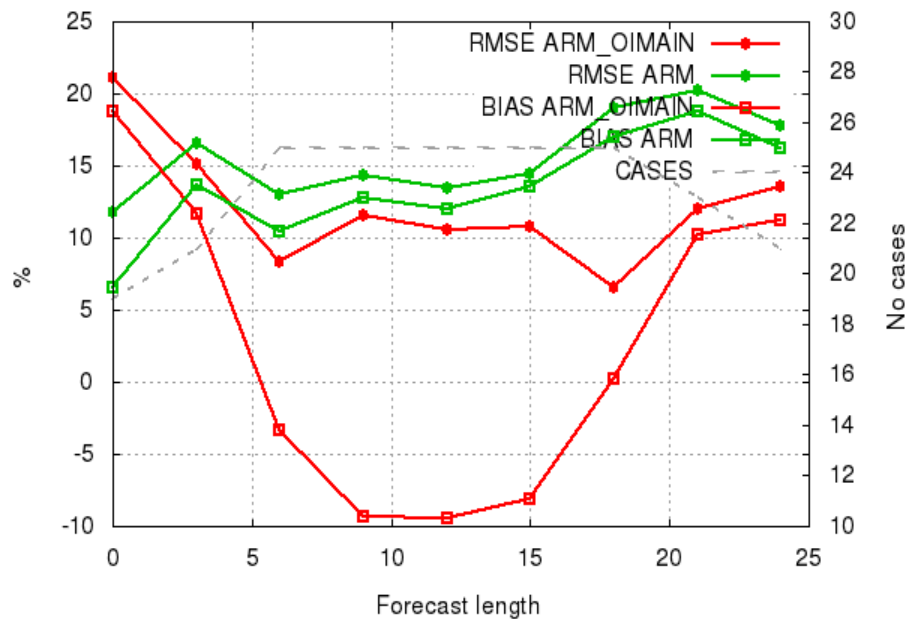


Screenshot from TSMS-NWPInteractive Webpage

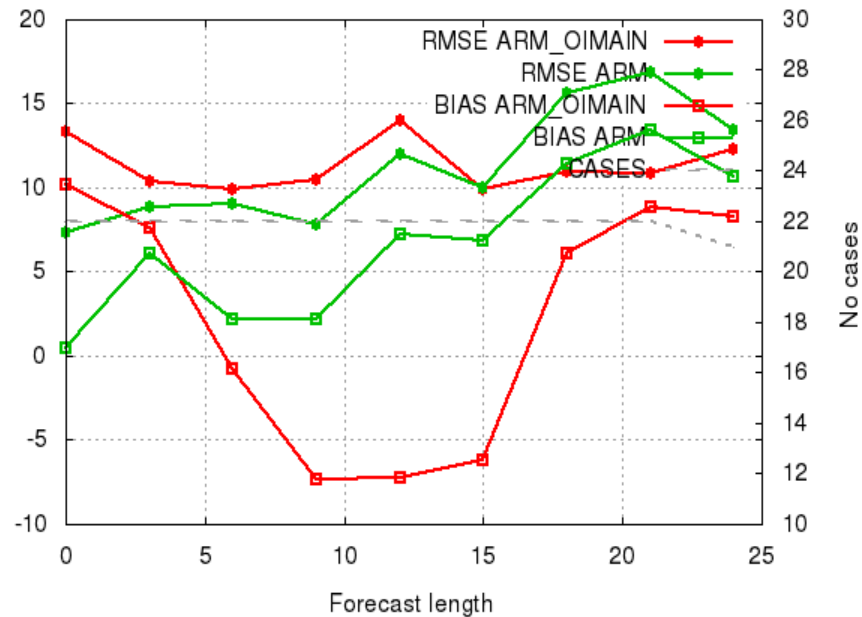
Verification Results



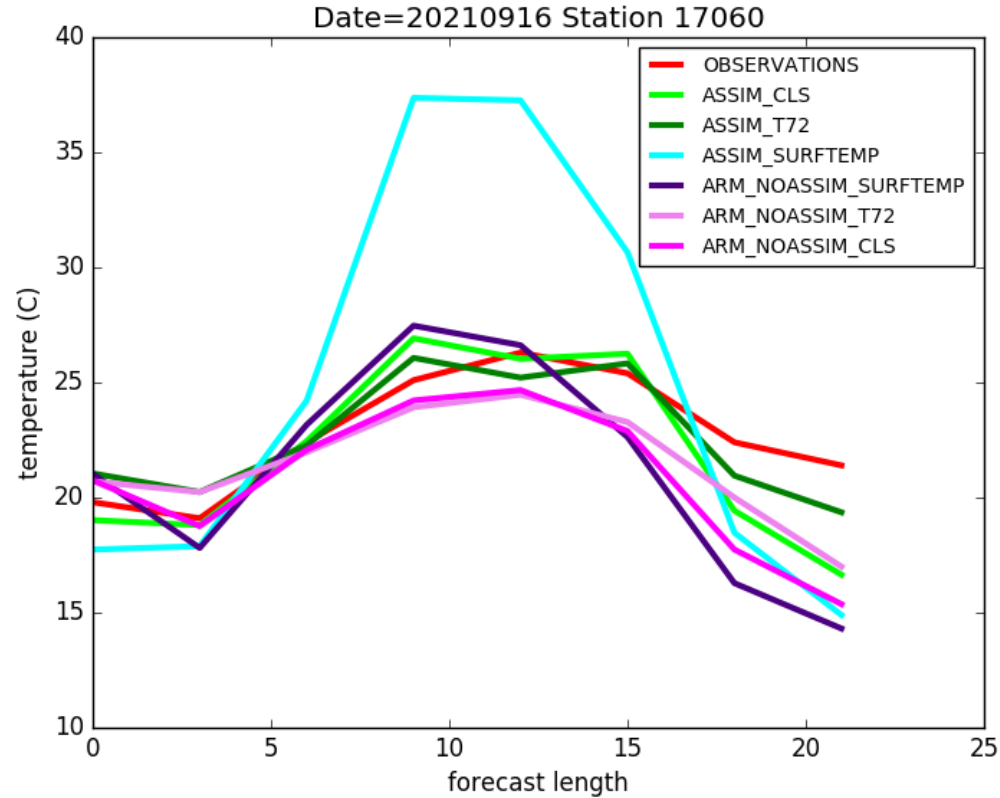
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Rh2m Period: 20210810-20210904
Hours: {00}



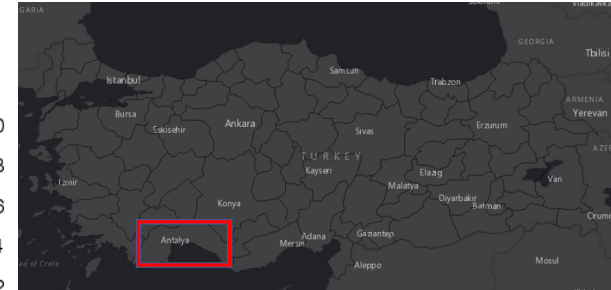
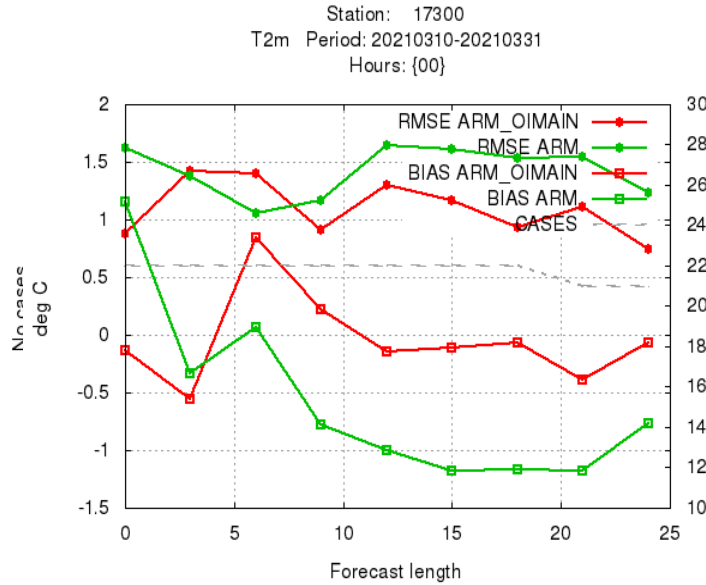
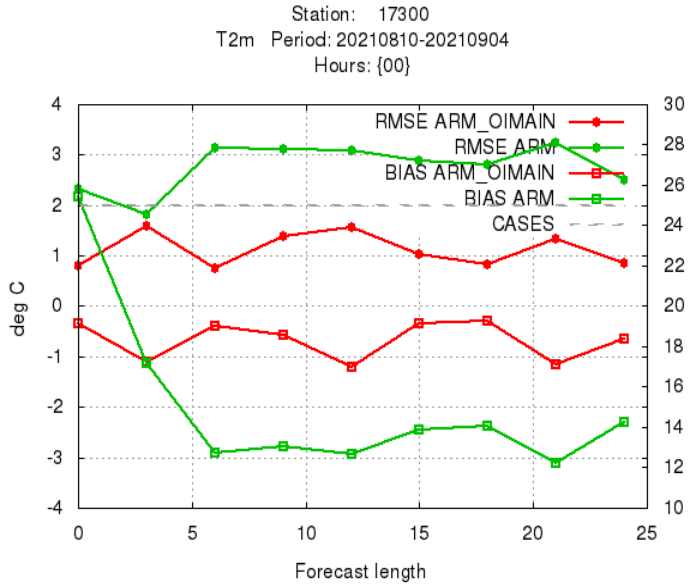
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Rh2m Period: 20210310-20210331
Hours: {00}



Verification Results



Verification Results



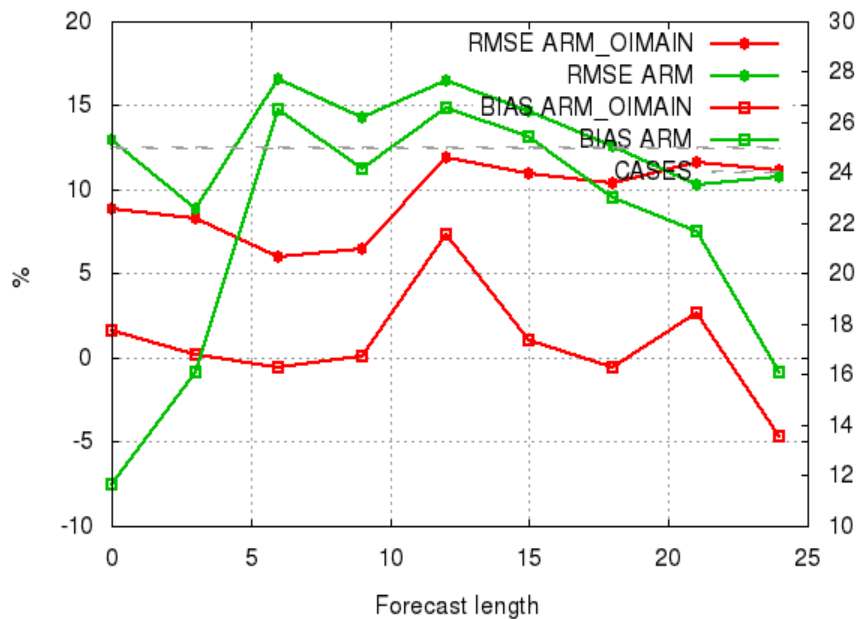
Screenshot from TSMS-NWPInteractive Webpage

No cases

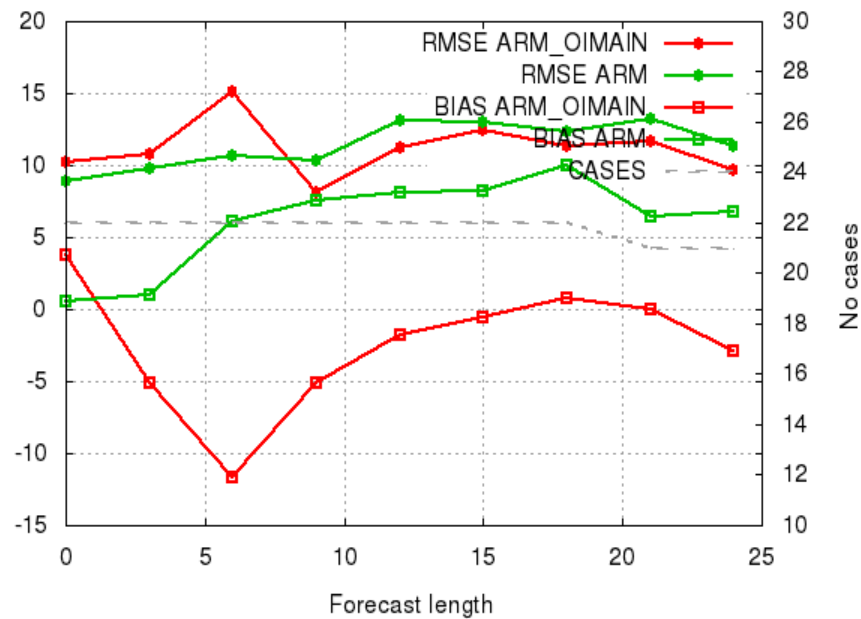
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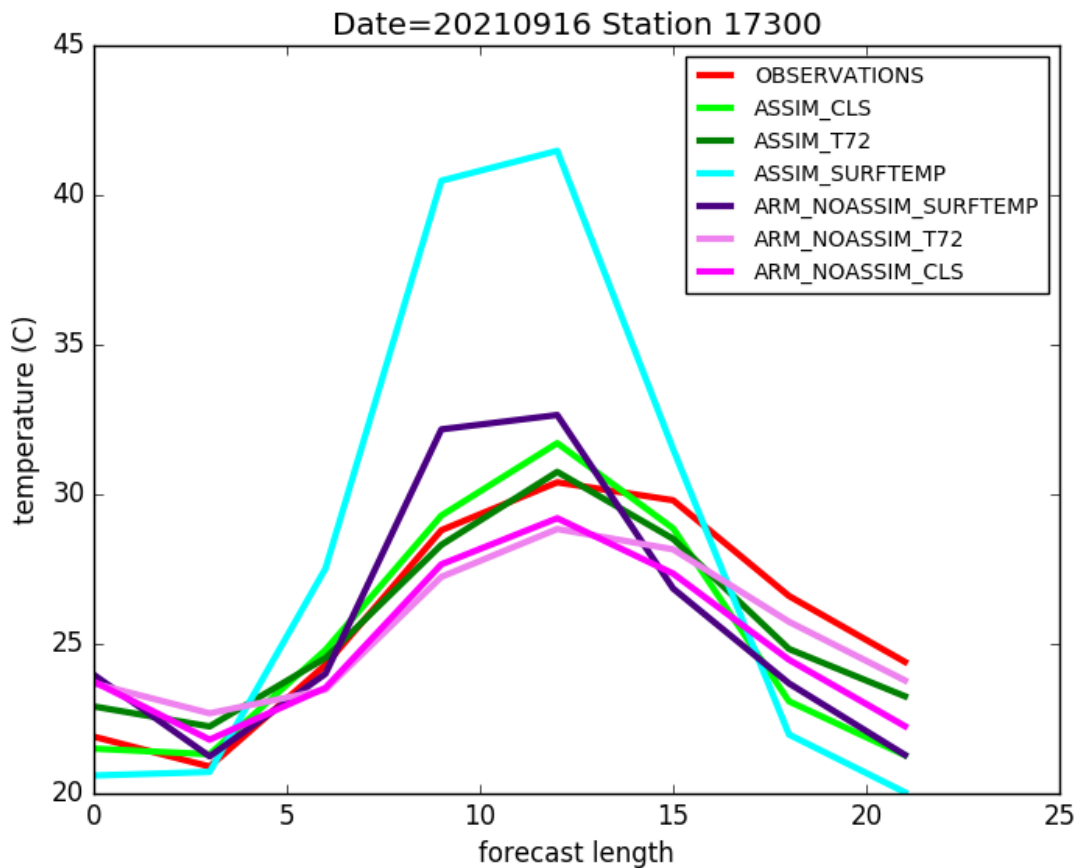
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Rh2m Period: 20210810-20210904
Hours: {00}



Station: 17300
Rh2m Period: 20210310-20210331
Hours: {00}



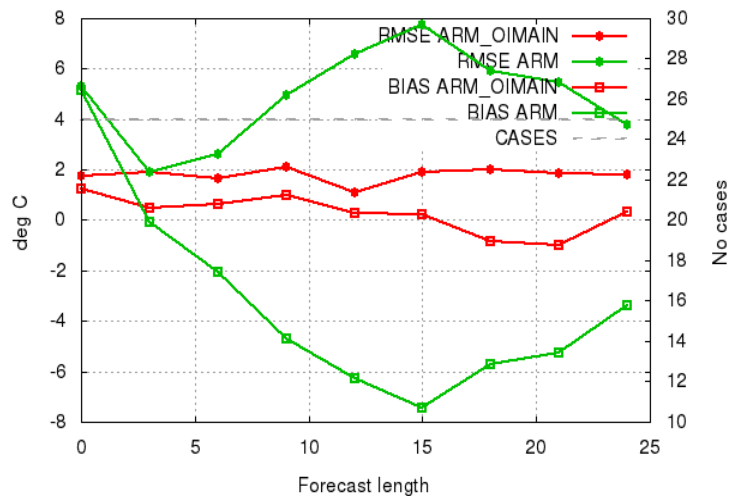
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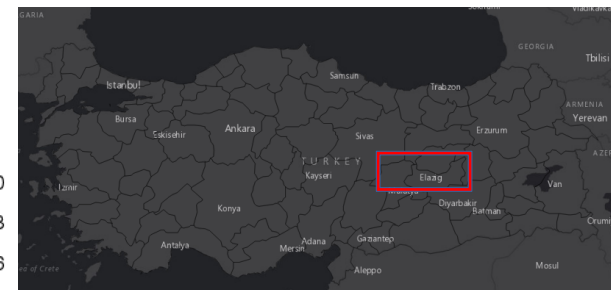
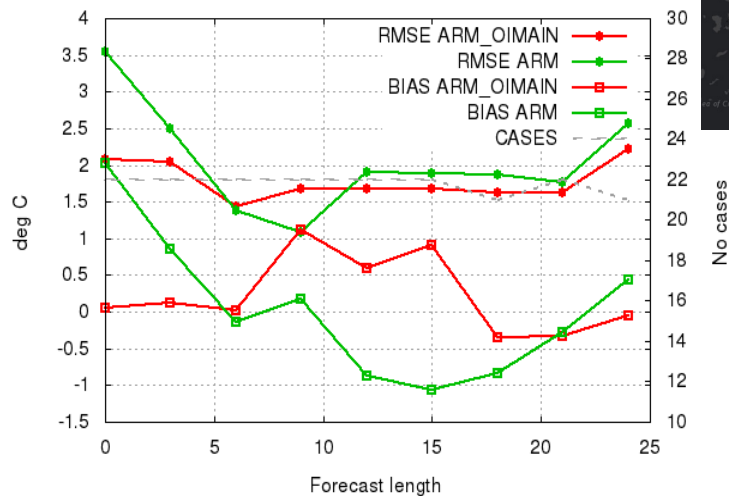
Verification Results



Station: 17202
T2m Period: 20210810-20210904
Hours: {00}



Station: 17202
T2m Period: 20210310-20210331
Hours: {00}

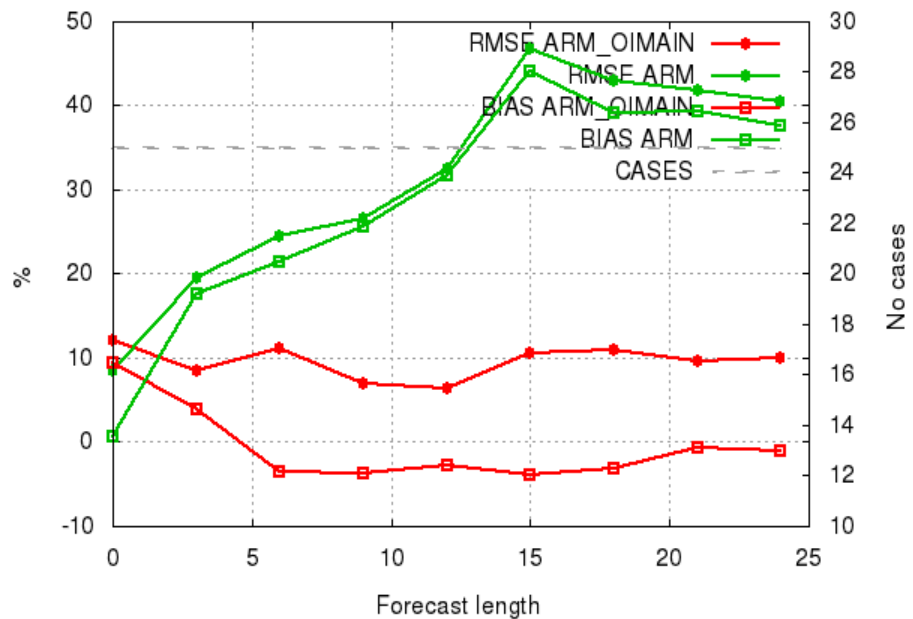


Screenshot from TSMS-NWPIInteractive Webpage

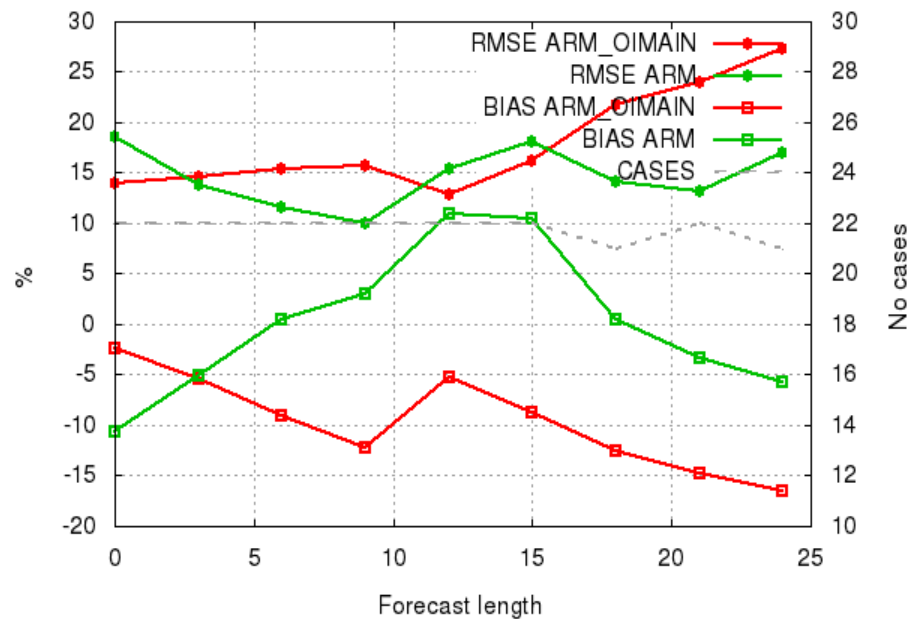
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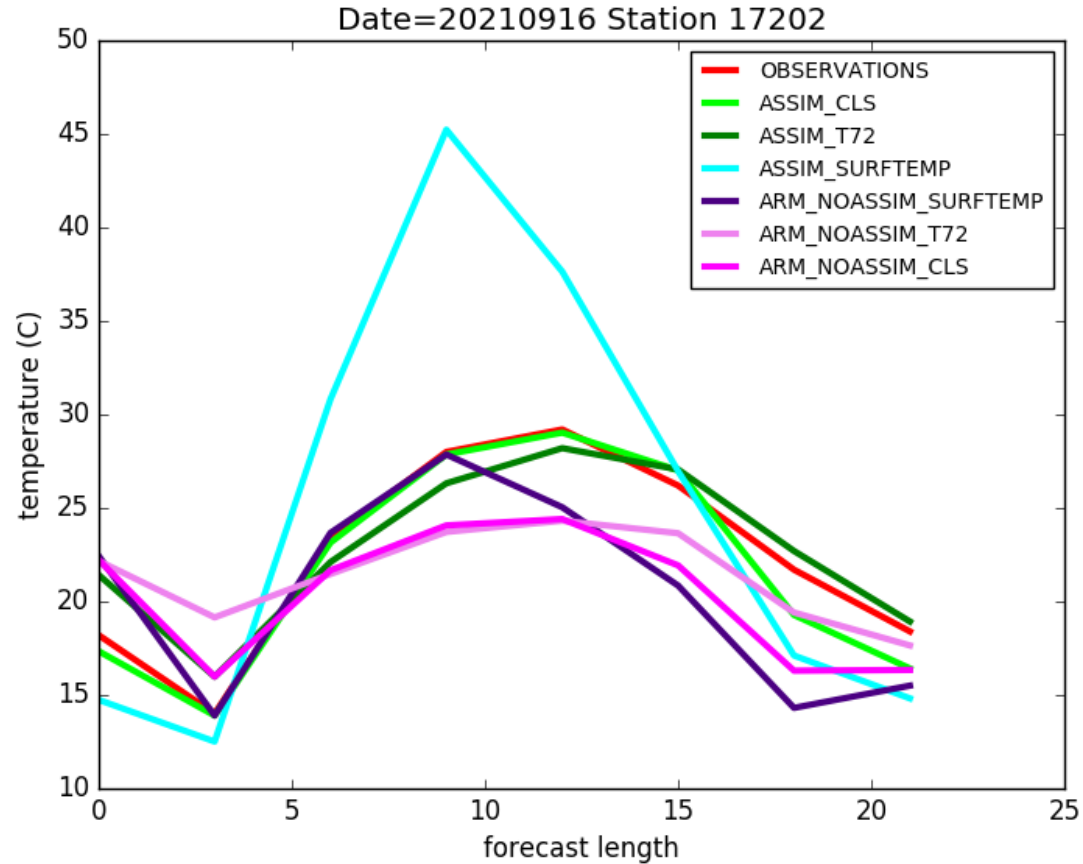
Station: 17202
 Rh2m Period: 20210810-20210904
 Hours: {00}



Station: 17202
 Rh2m Period: 20210310-20210331
 Hours: {00}



Verification Results





Thank you for your attention!