



Contribution ID: 40

Type: **Oral**

Other-than-rainfall monitoring of moisture, fog and dew

Tuesday, June 25, 2019 11:40 AM (15 minutes)

Air-moisture maps were generated based on commercial microwave links data over N. Israel and compared with ECMWF ERA-Interim maps. Skill scores were calculated utilizing 39 weather stations. High correlations range, 0.75–0.9, were found between the new links' humidity fields and the stations. The numbers of best correlated links are found to be higher compared to ECMWF, and in the measure of standard deviation the links performed better. However, for the mean humidity, the ECMWF is doing better. The links' humidity thus provides a more accurate picture of the observed moisture as compared to current weather prediction product. Other-than-rainfall monitoring of fog and dew will be reviewed

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Session Classification: Overview presentations

Track Classification: HyMet CML overview presentations and posters (Day1)