



# ANGLE CHARACTERIZATION USING PMUS FOR CONTROL CENTERS

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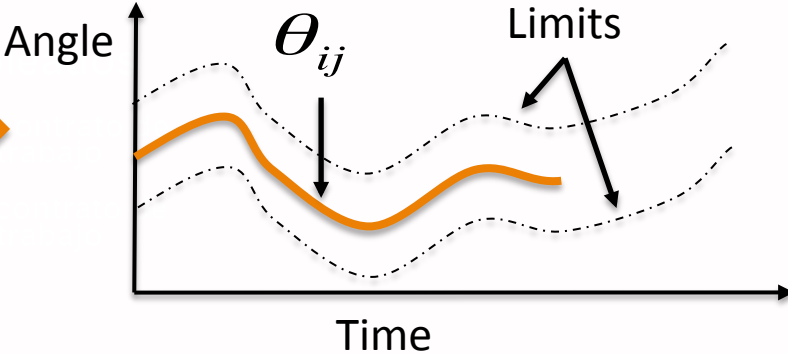
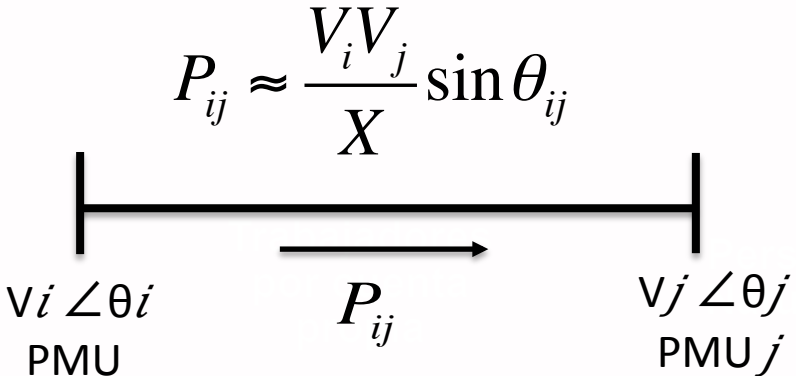
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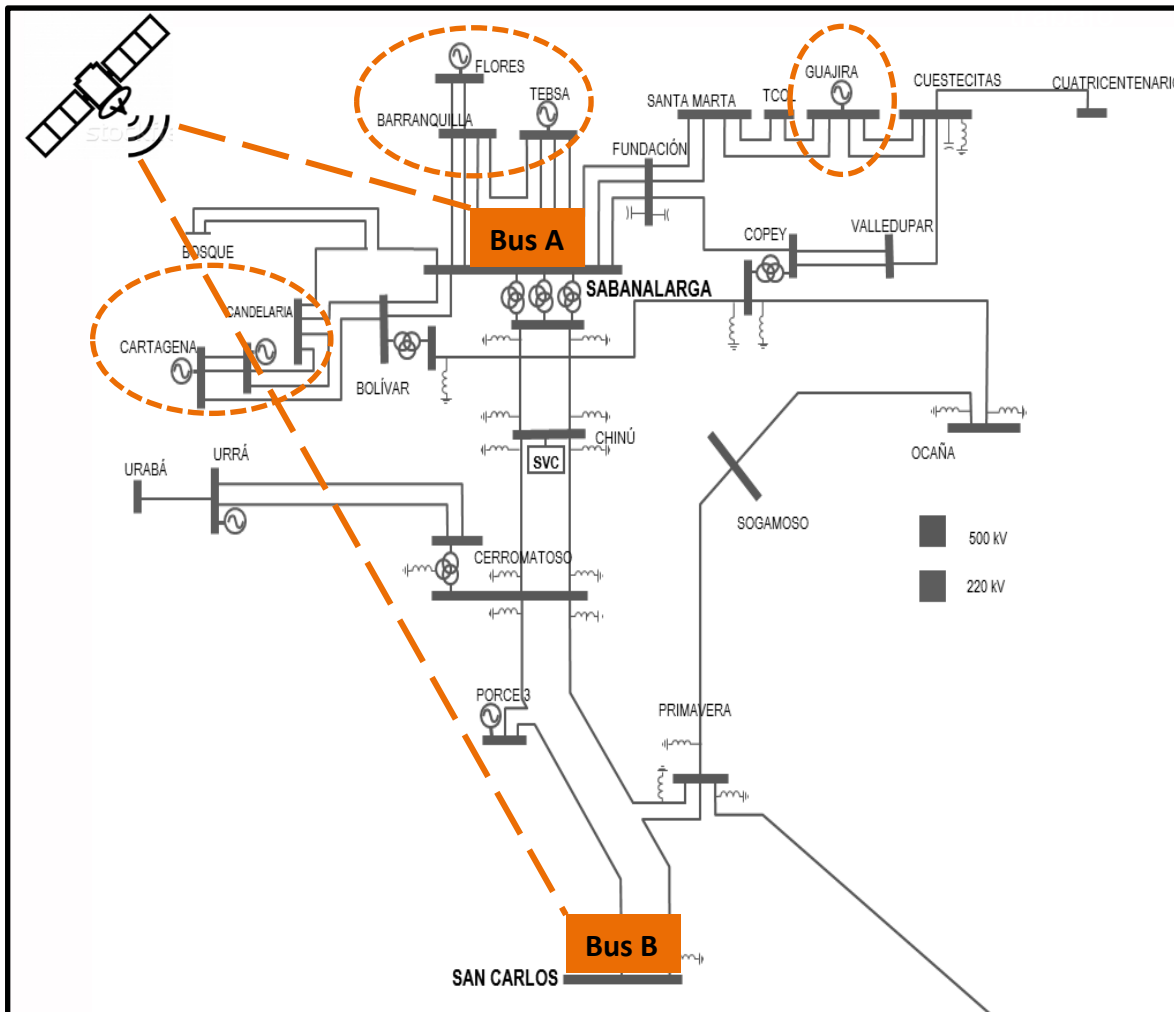
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# ANGLE CHARACTERIZATION USING PMUS





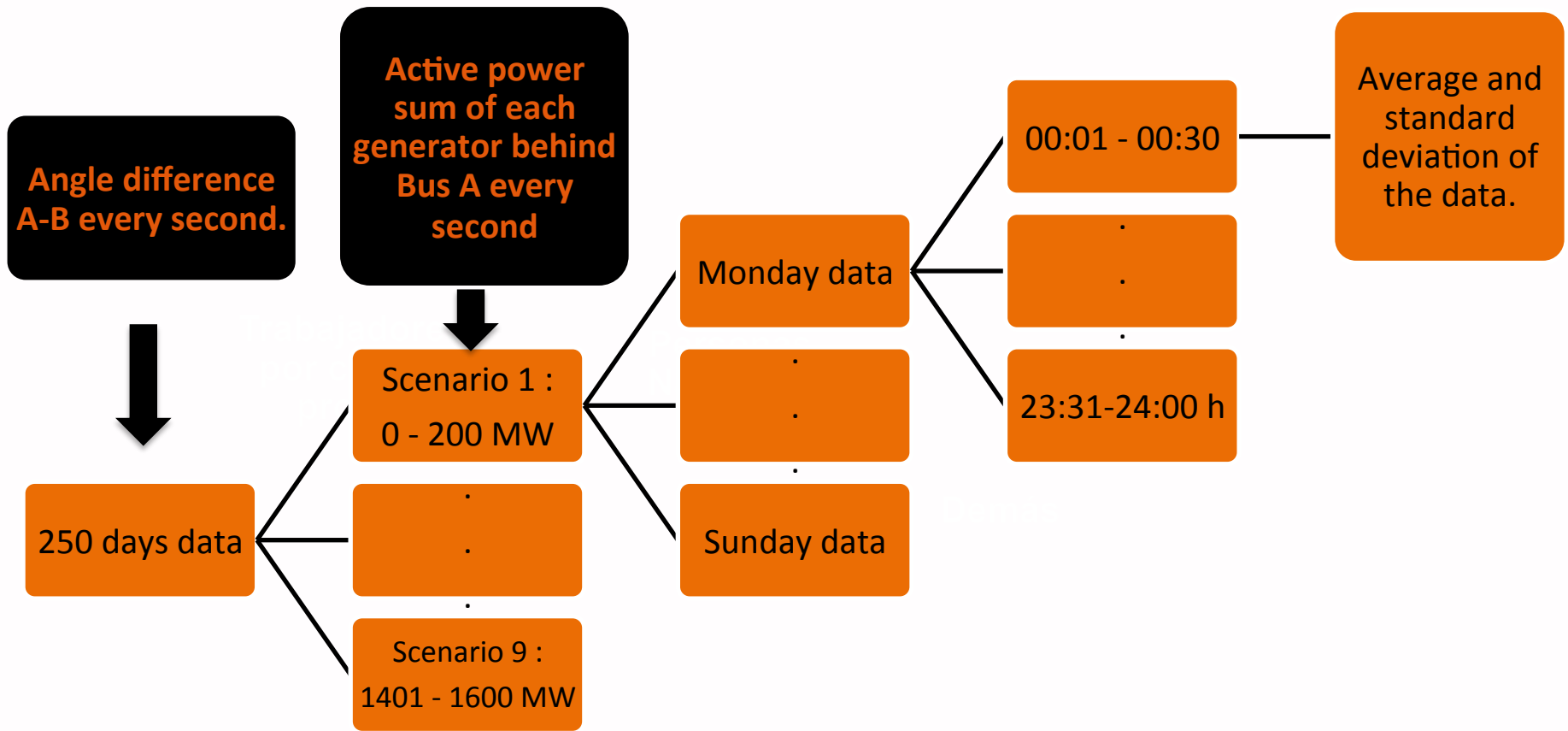
## METHODOLOGY- GETTING THE DATA



1. Select two buses of the power system
2. Sum all the active power of each generator behind Bus A
3. Measure with a PMU the voltage angle of the two buses.

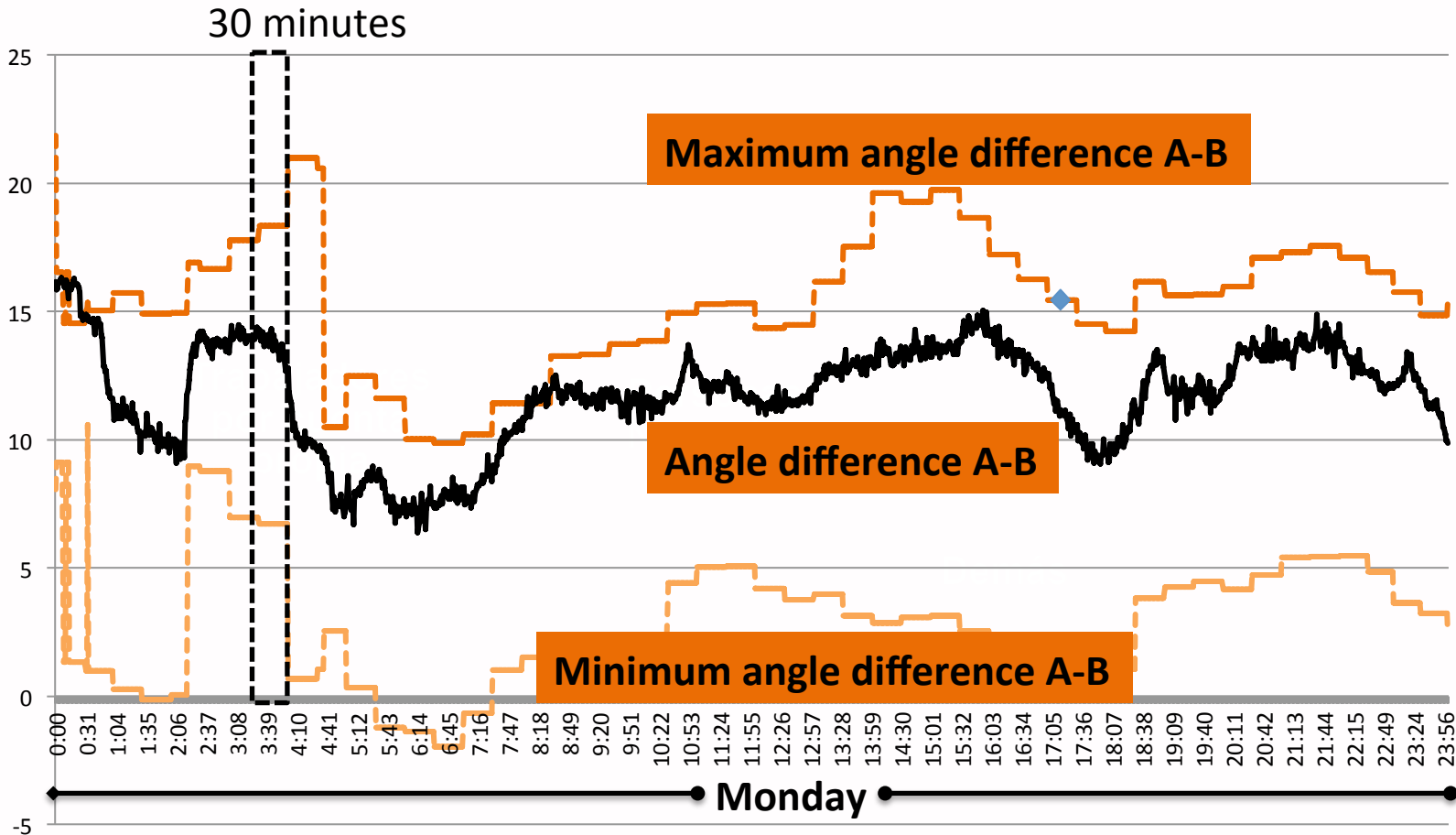


## METHODOLOGY- DATA ANALYSIS



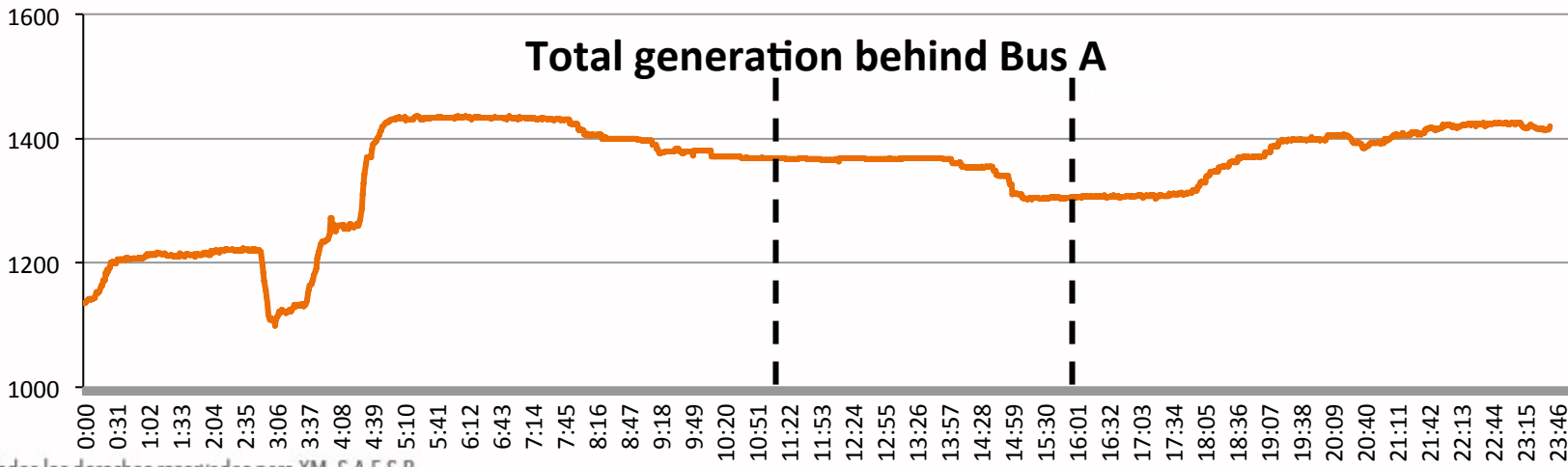
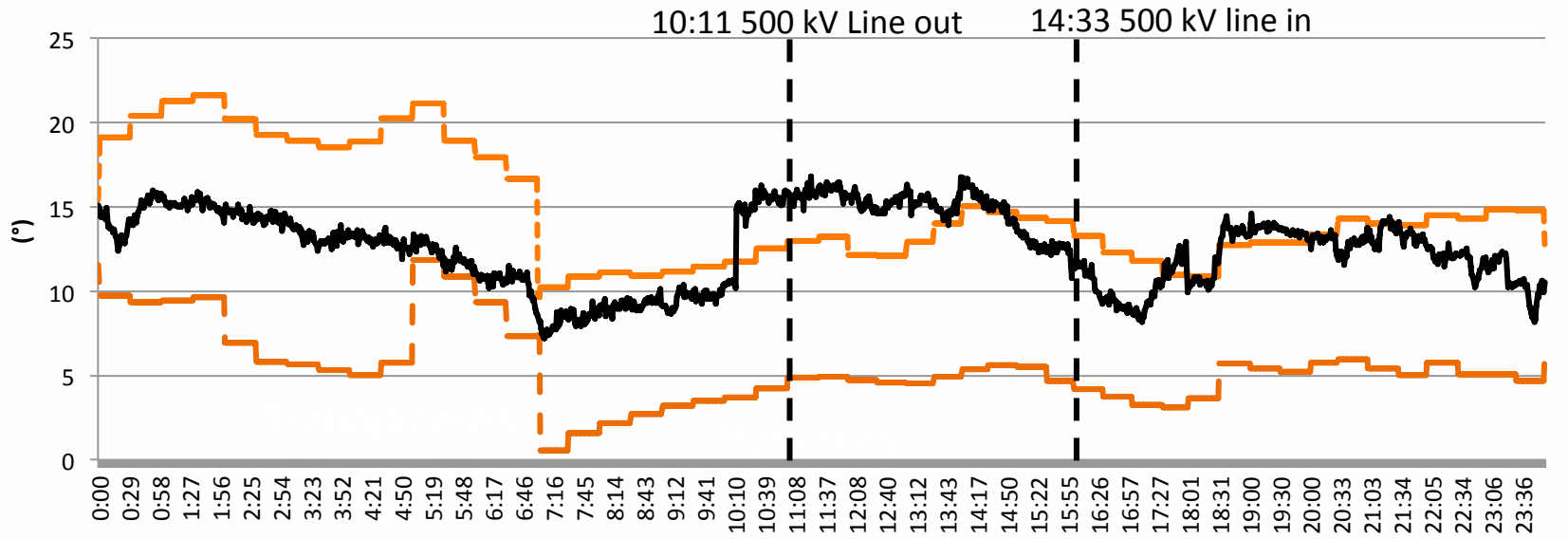


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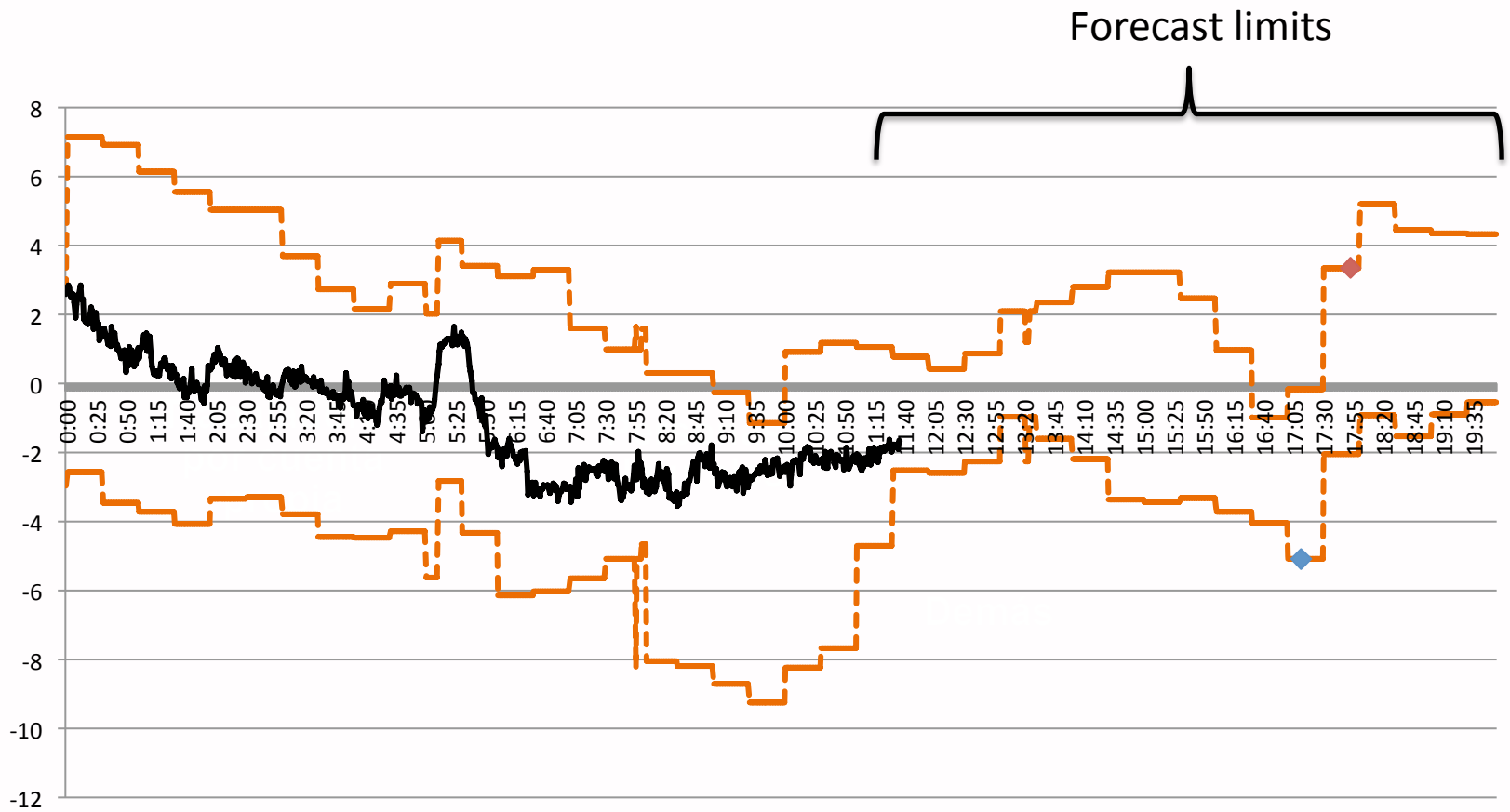


# RESULTS



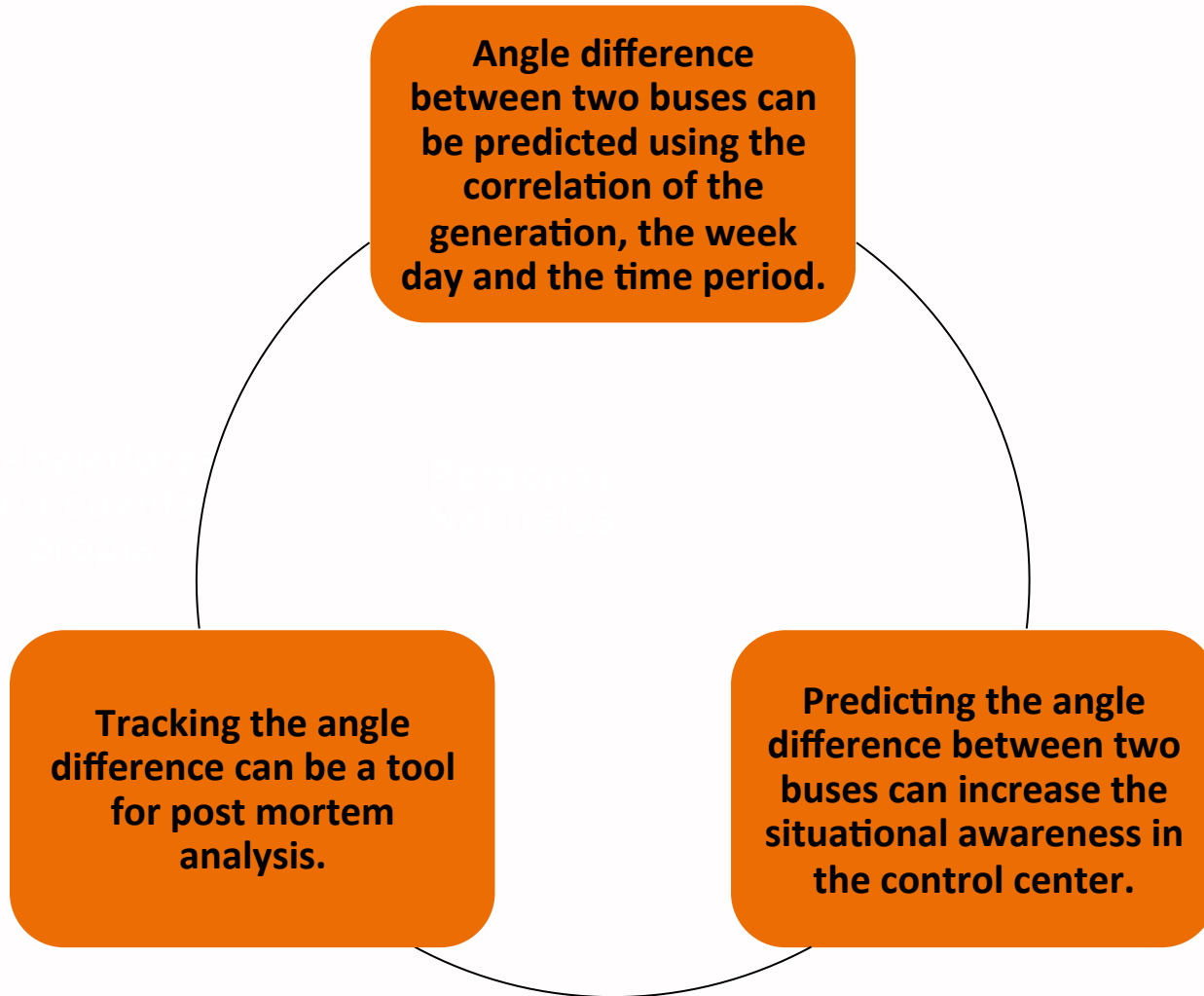


# RESULTS





## CONCLUSION







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