

MODEL INTERCOMPARISON FOR EVENTS OCURRED AT SANTA MARIA SUL EXPERIMENT

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During Chuva-Sul Campaign the forecast was the main tool to provide essential information to activities to be developed at field. As important component of weather forecast the output models was fundamental for development of activities. By this way a subjective analysis from output models is important to provide a broad knowledge of each model behavior.

To achieve this goal, was developed model intercomparison relative precipitation data. It was analyzed accumulated precipitation forecast from following models: BRAMS-CPTEC, BRAMS – NCEP, WRF-CPTEC, WRF-GFS, WRF-NCEP. Every model was processed with the ensemble from respective models CPTEC, NCEP, and GFS.

The analysis was relative the observation precipitation data from Chuva-Sul experiments. The pluviometer measurement was made at following locations: Contâiner (29°43'37.87"S 53°43'17.30"O), São João de Polêsine (29°38'7.30"S 53°26'59.09"O) and Santa Maria Sul (29°44'4.67"S 53°48'7.28"O). In addition was realized more analysis based on observations from National Institute of Meteorology (INMET.) The INMET observational network is composed by 58 stations at Rio Grande do Sul State. The analysis provide a knowledge about the performance about each model for precipitation forecast.