
Supplementary Materials: Radar, Lightning, and Synoptic Observations for a Thunderstorm on 7 January 2012 during the CHUVA-Vale Campaign

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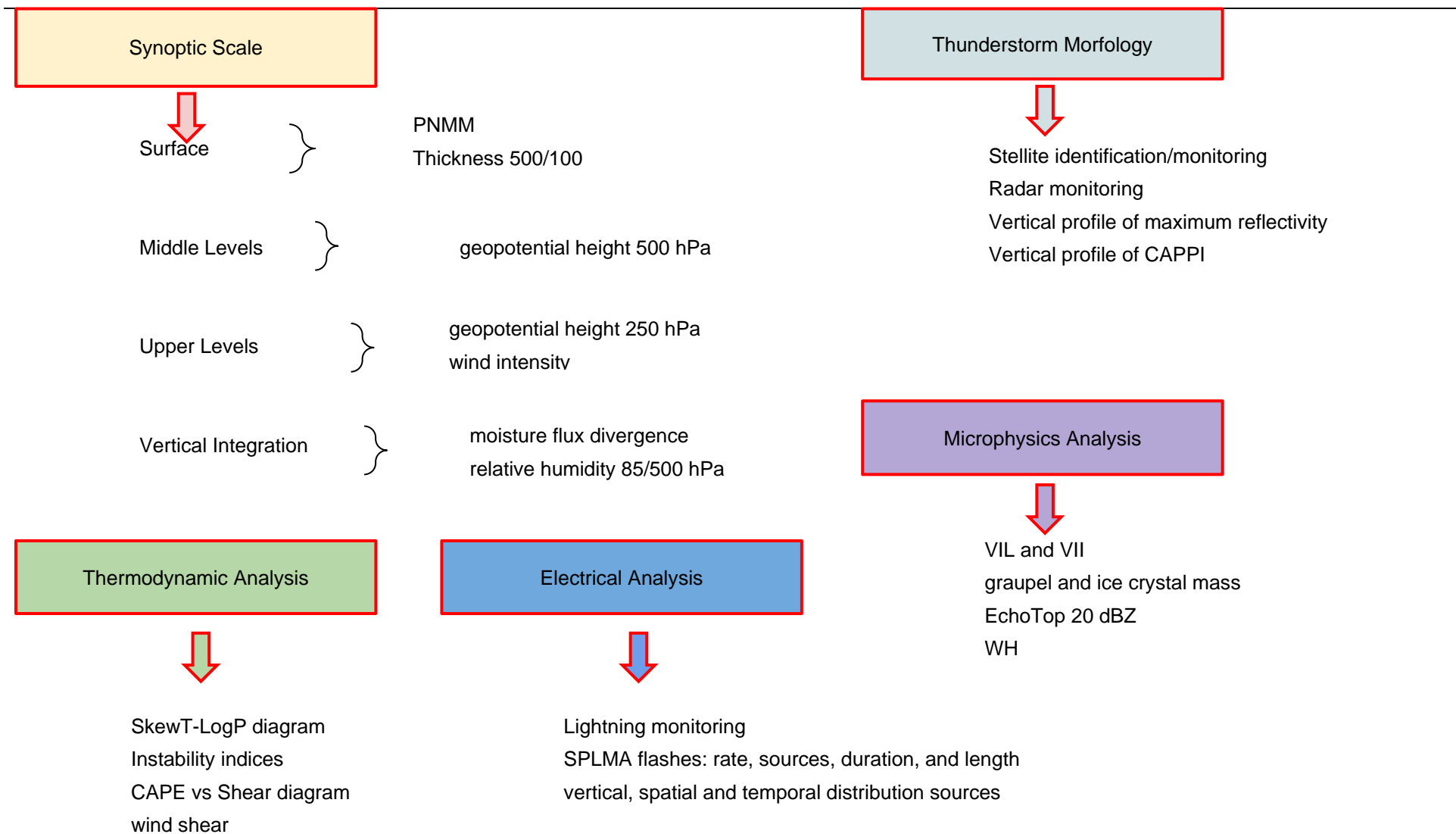


Figure S1. Summary of the methodology.

Table S1. Abbreviation Table.

Abbreviation	Meaning
Cb	Cumulonimbus
Metropolitan Area of São Paulo	MASP
Convective Available Potential Energy	CAPE
Vertically Integrated Liquid water content	VIL
Vertically Integrated Ice content	VII
Severe Hail Index	SHII
Waldvogel Height parameter	WH
intra-cloud lightning	IC
cloud-to-ground lightning	CG
differential reflectivity	ZDR
lightning jump	LJ
Lightning Mapping Array	LMA
Very High Frequency	VHF
South Atlantic Convergence Zone	SACZ
Hydraulic Technological Center Foundation	FCTH
Brazilian Atmospheric Discharge Detection Network	BrasilDAT
São Paulo Lightning Mapper Array	SPLMA
Constant Altitude Plan Position Indicator	CAPPI
brightness temperature	BT
Moisture Convergence Zone	MCZ