

Variable	Sensor	Sensors height	
		Amoladeras	Balsa Blanca
Eddy covariance system			
Wind speed (3-D) and sonic temperature	A three-axis sonic anemometer (CSAT-3, Campbell Scientific Inc, Logan, UT, USA; hereafter CSI)	3.05 m	2.90 m
CO ₂ and H ₂ O vapor densities	A open-path infrared gas analyzer (Li-7500, Li-Cor, Lincoln, NE, USA)	3.05 m	2.90 m
Meteorological and soil measurements			
Air pressure	A open-path infrared gas analyzer (Li-Cor 7500, Lincoln, NE, USA)	1.60 m	1.80 m
Photosynthetic Photon Flux Density	Two PAR sensors (Li-190, Li-Cor, Lincoln, NE, USA)	1.40 m	1.50 m
Net radiation	A net radiometer (NR Lite, Kipp & Zonen, Delft, the Netherlands)	1.70 m	1.50 m
Air temperature	A thermohygrometer (HMP35-C, CSI)	3.62 m	1.50 m
Air relative humidity	A thermohygrometer (HMP35-C, CSI)	3.62 m	1.50 m
Subsoil water content	Two water content reflectometers (CS616, CSI)	−0.05 and −1.50 m	−0.05 and −1.50 m
Subsoil temperature	Two soil temperature probes (TCAV, CSI)	−0.05 and −1.50 m	−0.05 and −1.50 m
Subsoil CO ₂ molar fraction	A CO ₂ sensor (GMP-343, Vaisala, Inc., Finland)	−0.05 m	−0.05 m
Subsoil CO ₂ molar fraction	A CO ₂ sensor (GMM222, Vaisala, Inc., Finland)	−1.50 m	−1.50 m
Rainfall	A tipping bucket (0.2 mm) rain gauge (785 M, Davis Instruments Corp., Hayward, CA, USA)	1.30 m	1.40 m