

# Agrosystem

# Sugar cane

**Plot Size 36.2 ha**

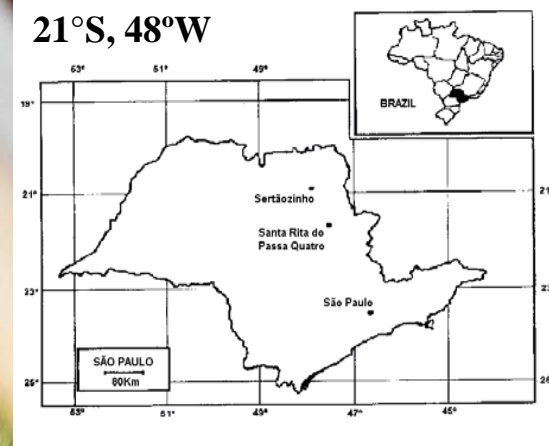
**Red Latossol**

**Variety SP71-6180**

**5-7 annual cycles, ratoon 6th**

**Rows 1.4m apart**

**21°S, 48°W**

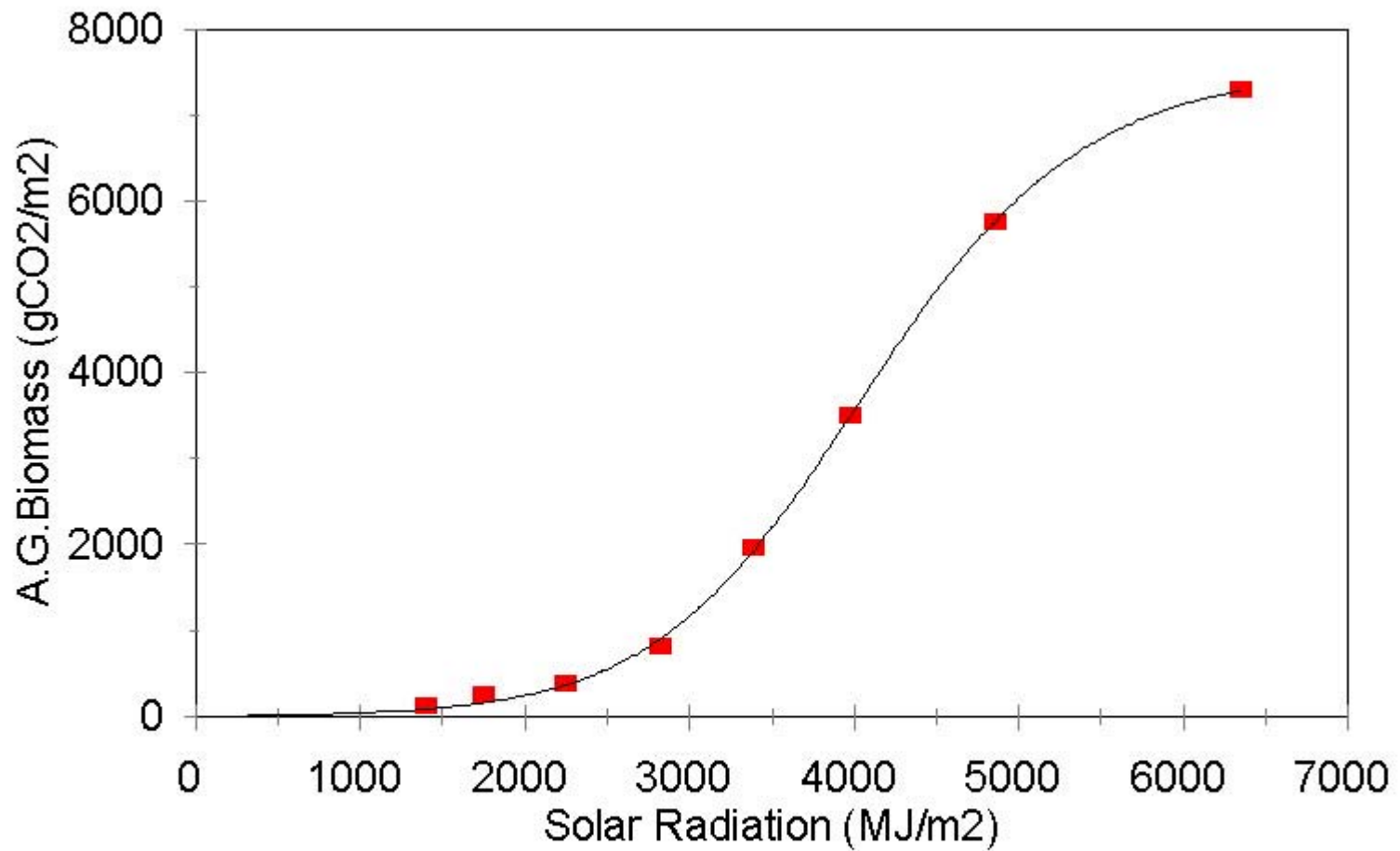


198 4 25

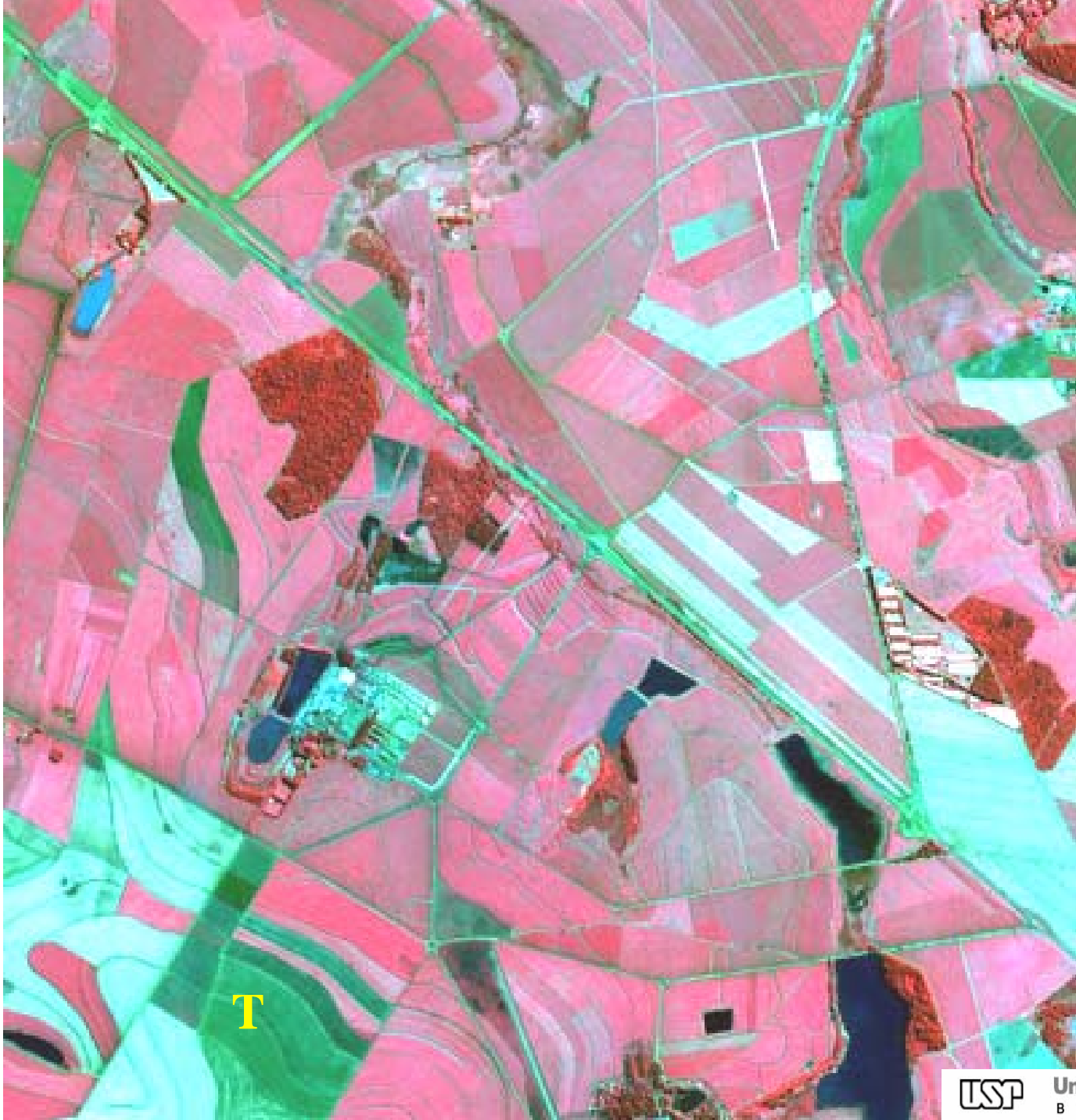


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# Productivity

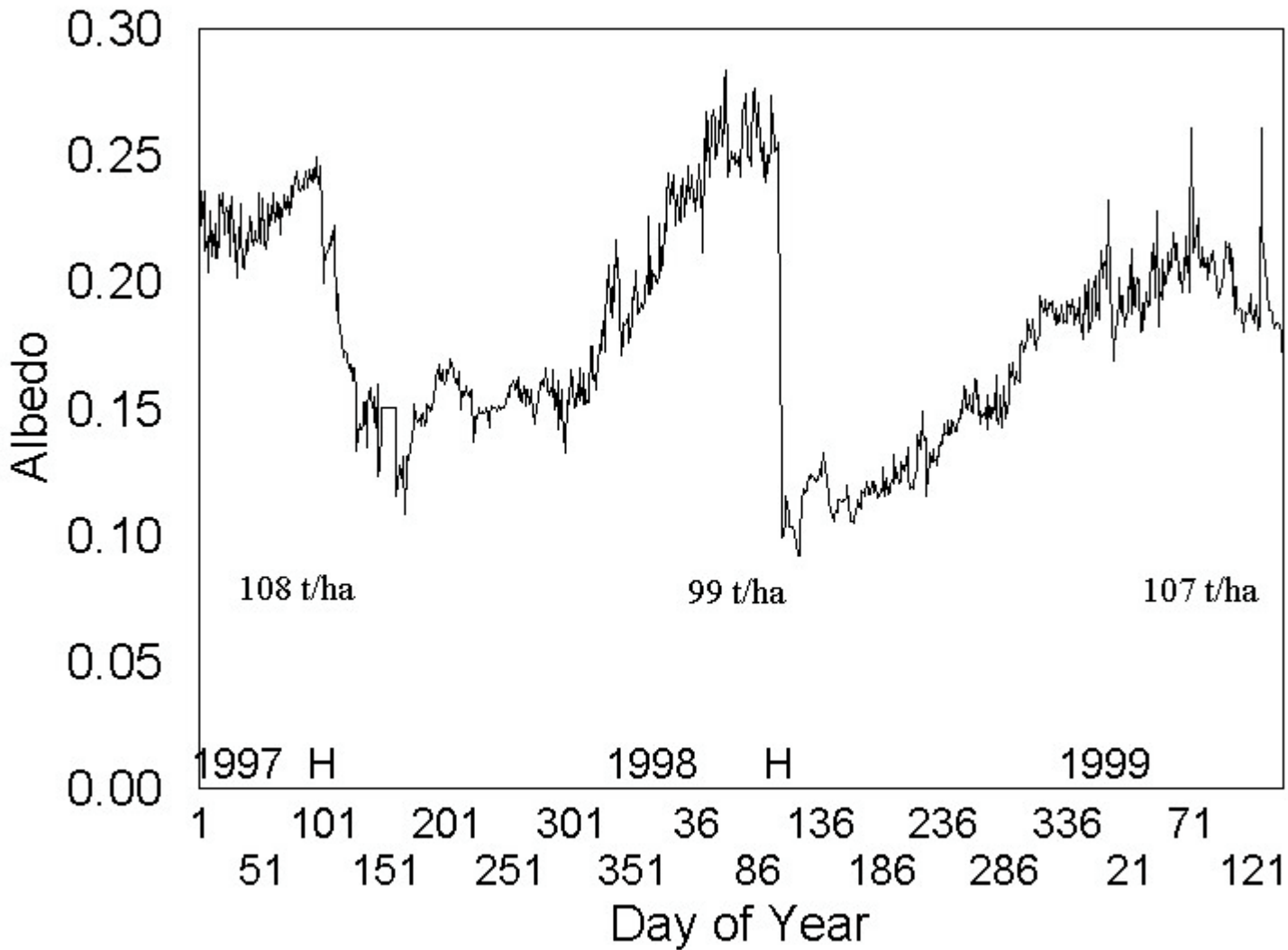


■ observed=7287gCO<sub>2</sub>/m<sup>2</sup> — Sigmoid curve (fitted)



1 km

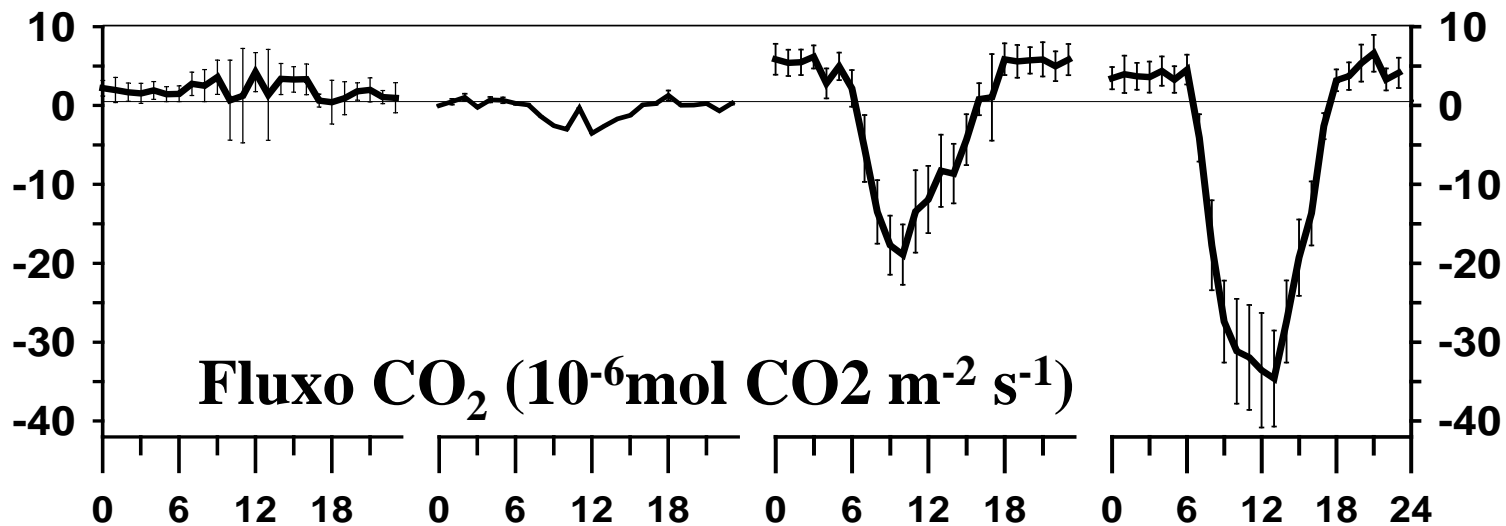
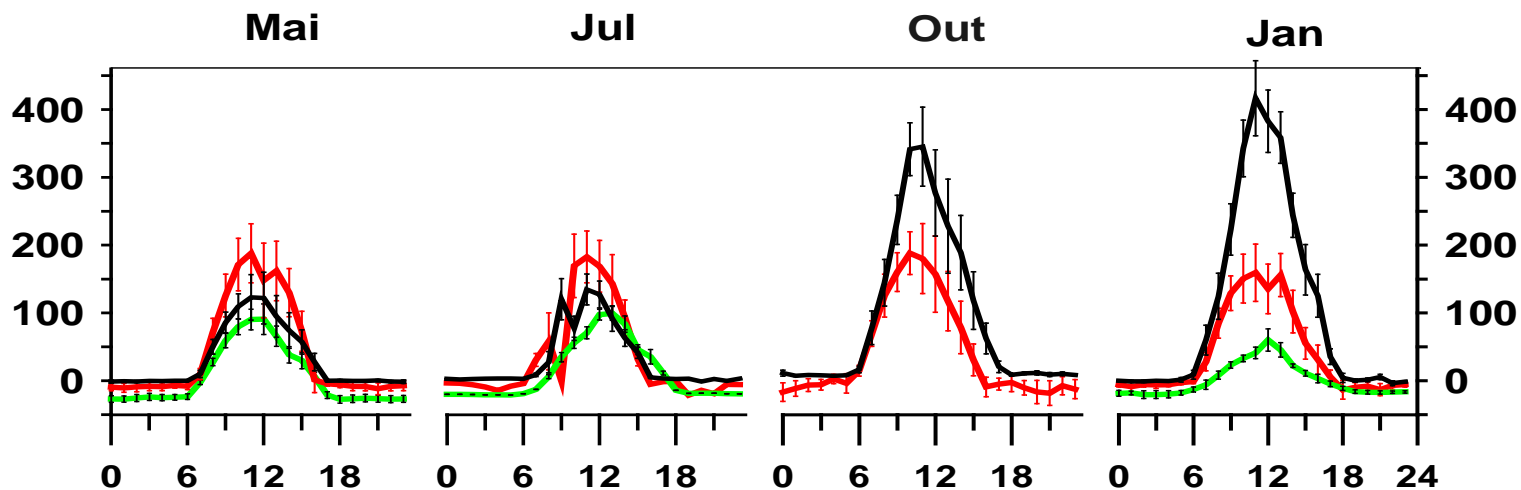
# Albedo



# Fluxos de energia à superfície ( $W m^{-2}$ )

(Rocha 1998)

- Fluxo de calor no solo
- Fluxo de calor sensível
- Fluxo de calor latente



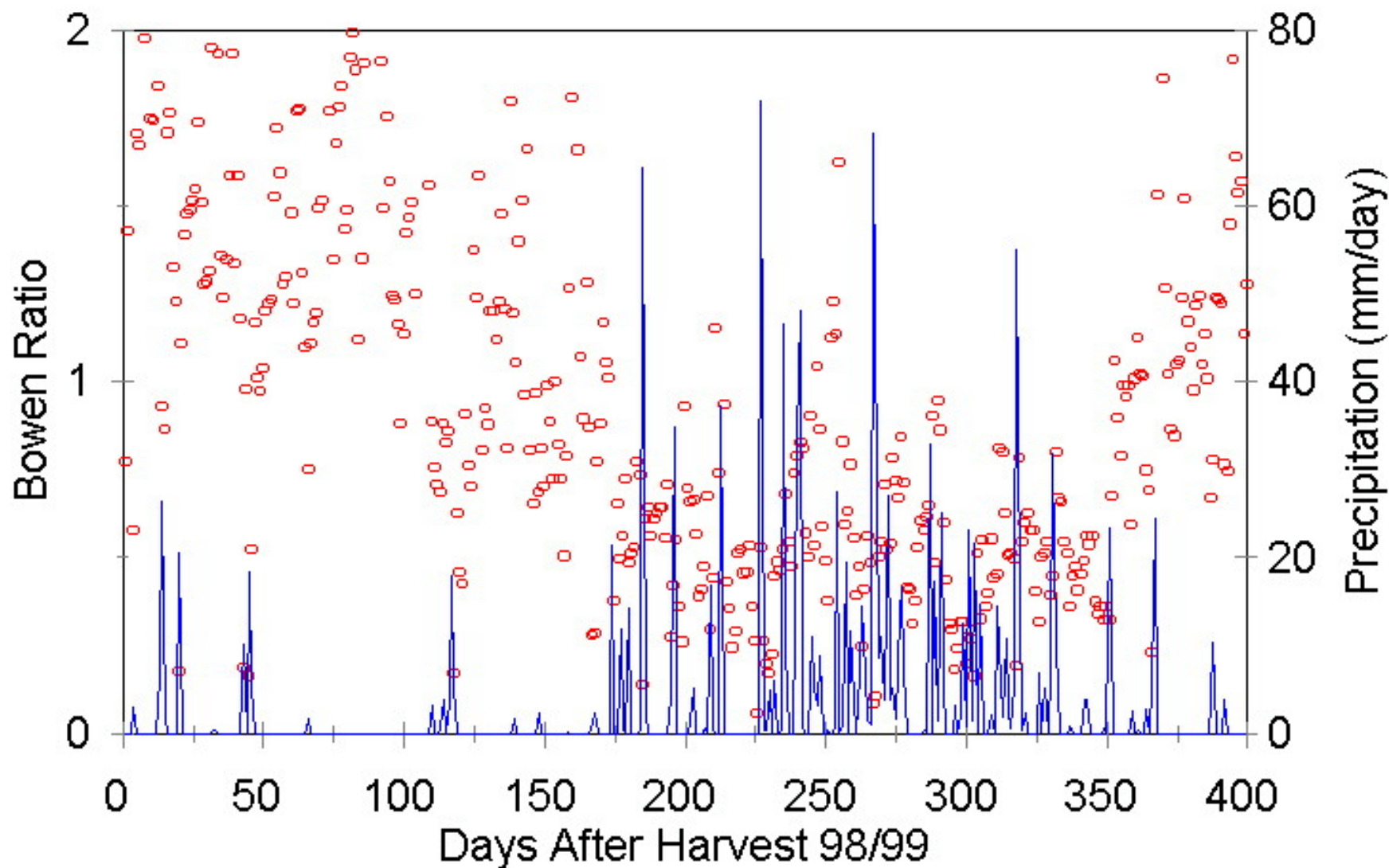
Hora Local

Hora Local

Hora Local



# Bowen Ratio = (H Sensible / LE Latent) ... heat fluxes

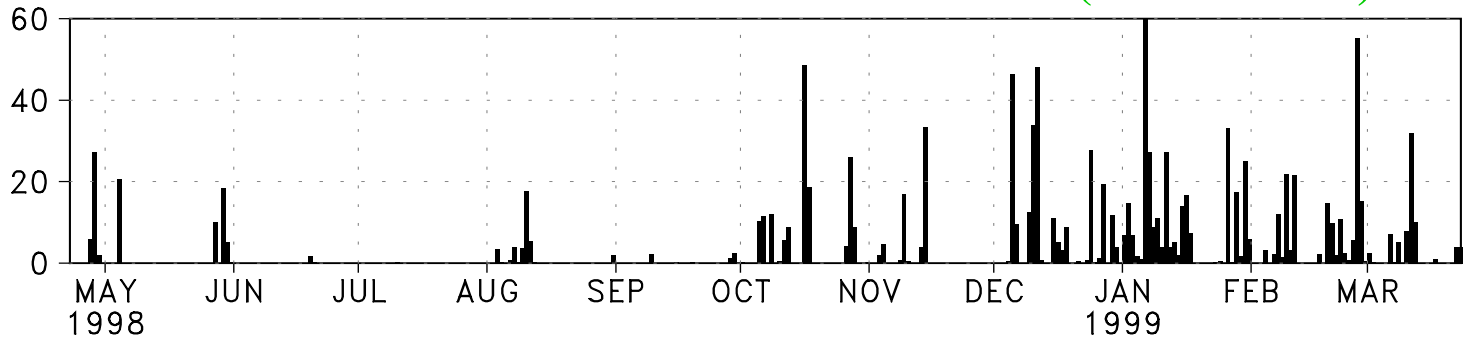


○ Bowen Ratio — Precipitation

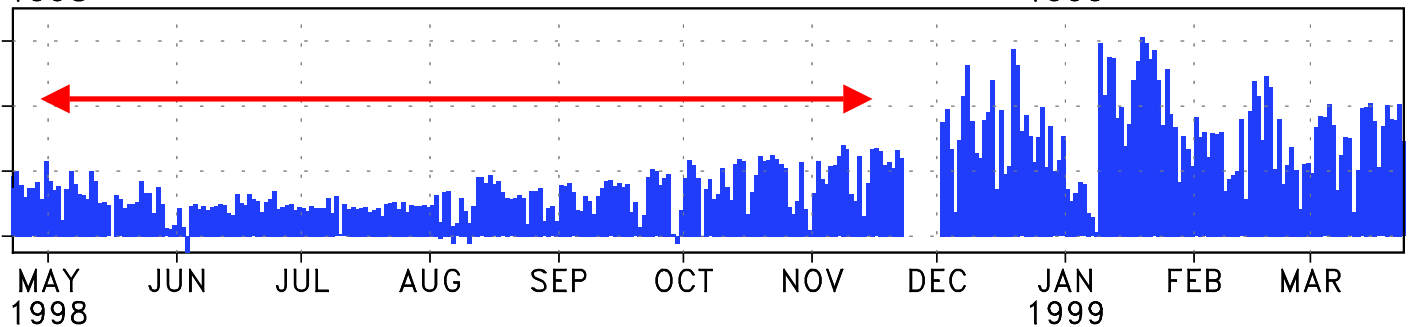
# FLUXOS CO<sub>2</sub> E H<sub>2</sub>O @ CANA-DE-ACUCAR

(Rocha 1998)

**Precip**  
(mm d<sup>-1</sup>)

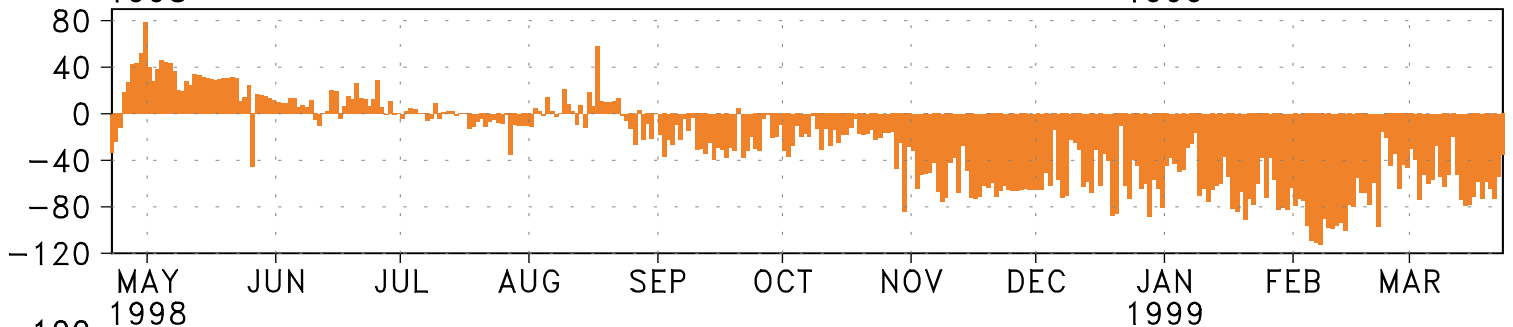


**E**  
(mm d<sup>-1</sup>)



**NEE**

(kgC ha<sup>-1</sup> d<sup>-1</sup>)



**R<sub>soil</sub>**

**NPP**

(kgC ha<sup>-1</sup> d<sup>-1</sup>)

