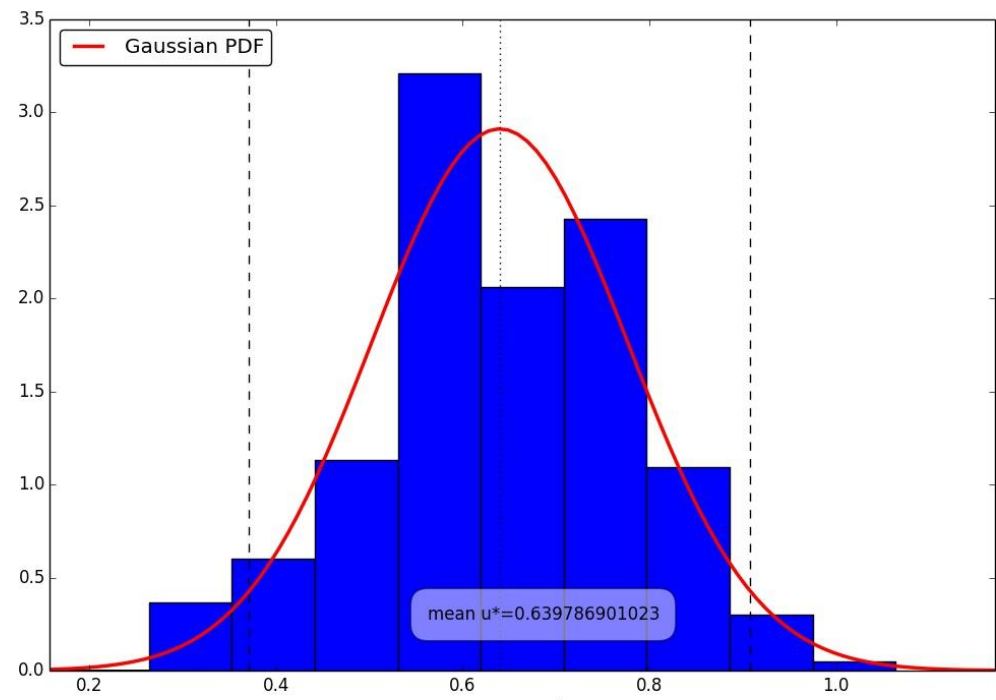


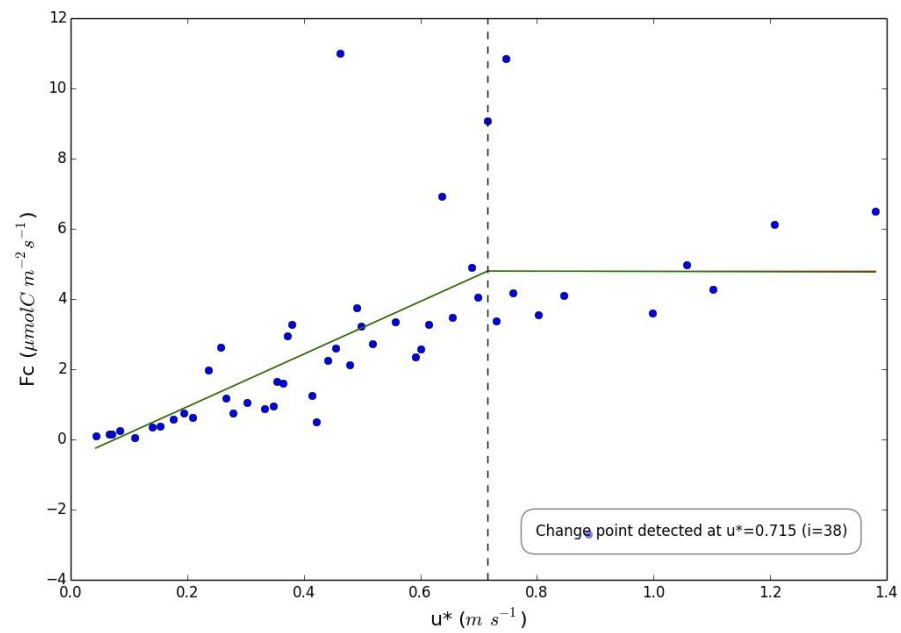
OzFlux synthesis

And other bits and pieces

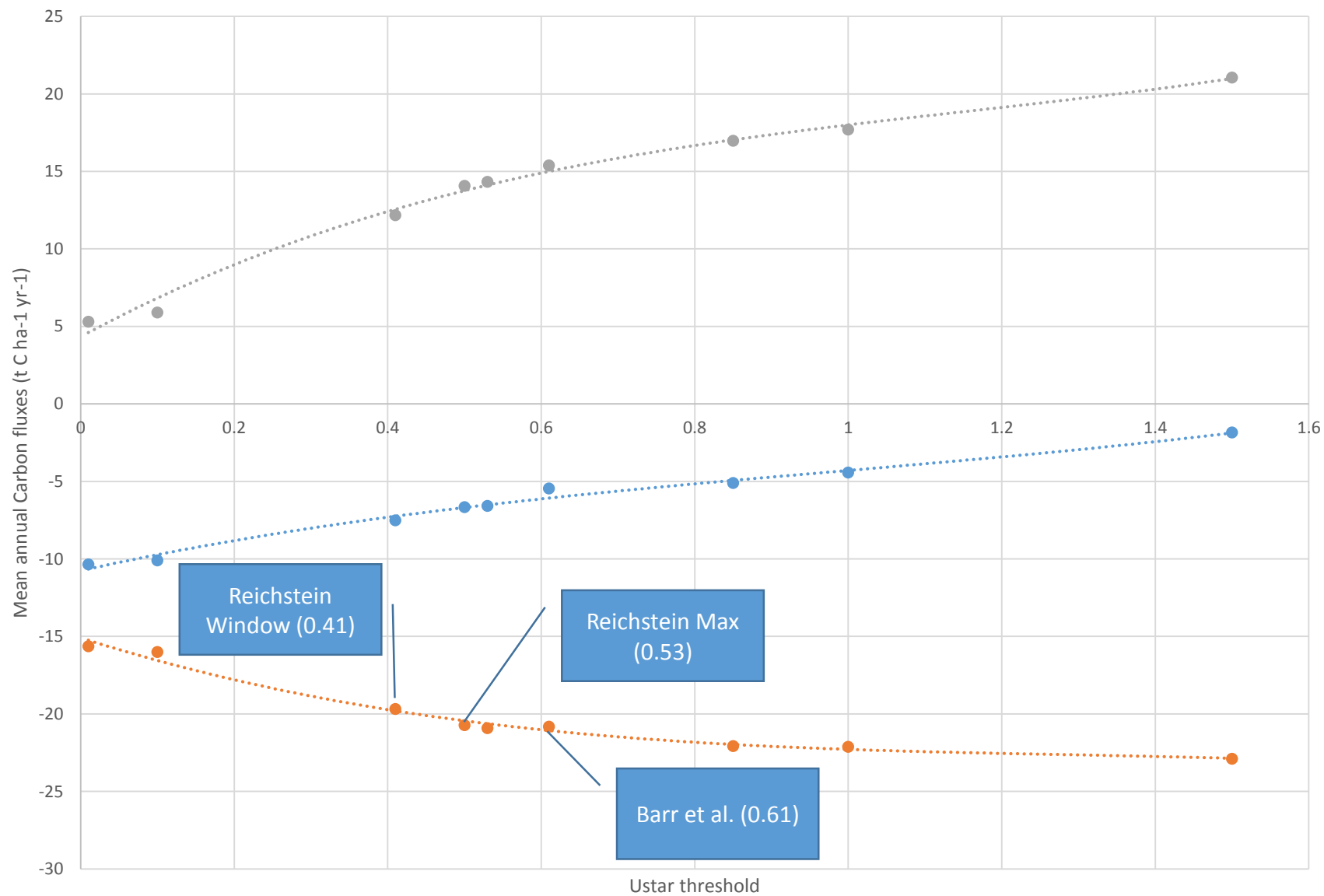
2012



Year: 2002, Season: 1, T class: 1



Tumbarumba sensitivity to ustar threshold

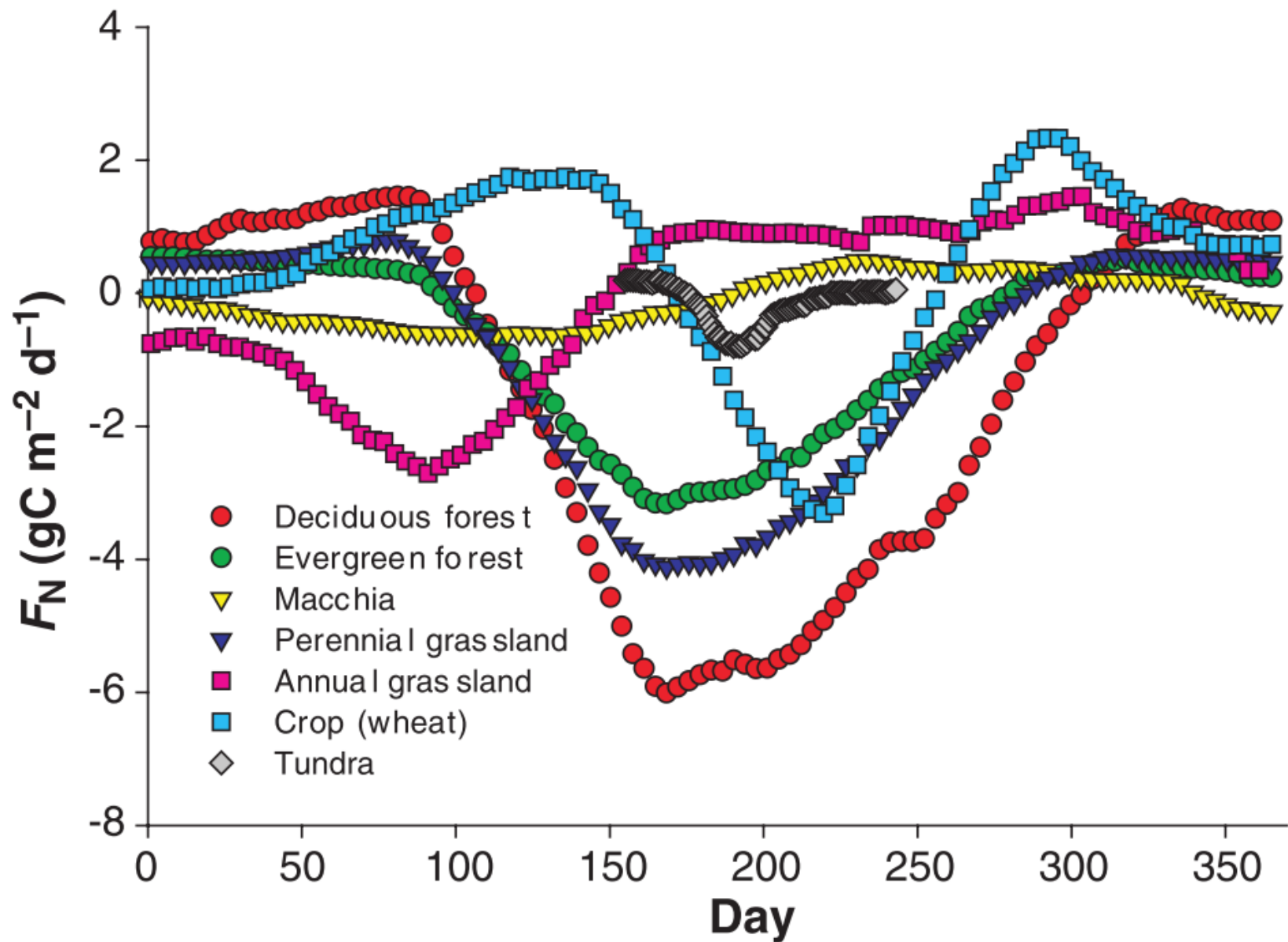


● NEP_Con_t_C_ha-1_y-1 ● GPP_t_C_ha-1_y-1 ● Re_t_C_ha-1_y-1
..... Poly. (NEP_Con_t_C_ha-1_y-1) Poly. (GPP_t_C_ha-1_y-1) Poly. (Re_t_C_ha-1_y-1)

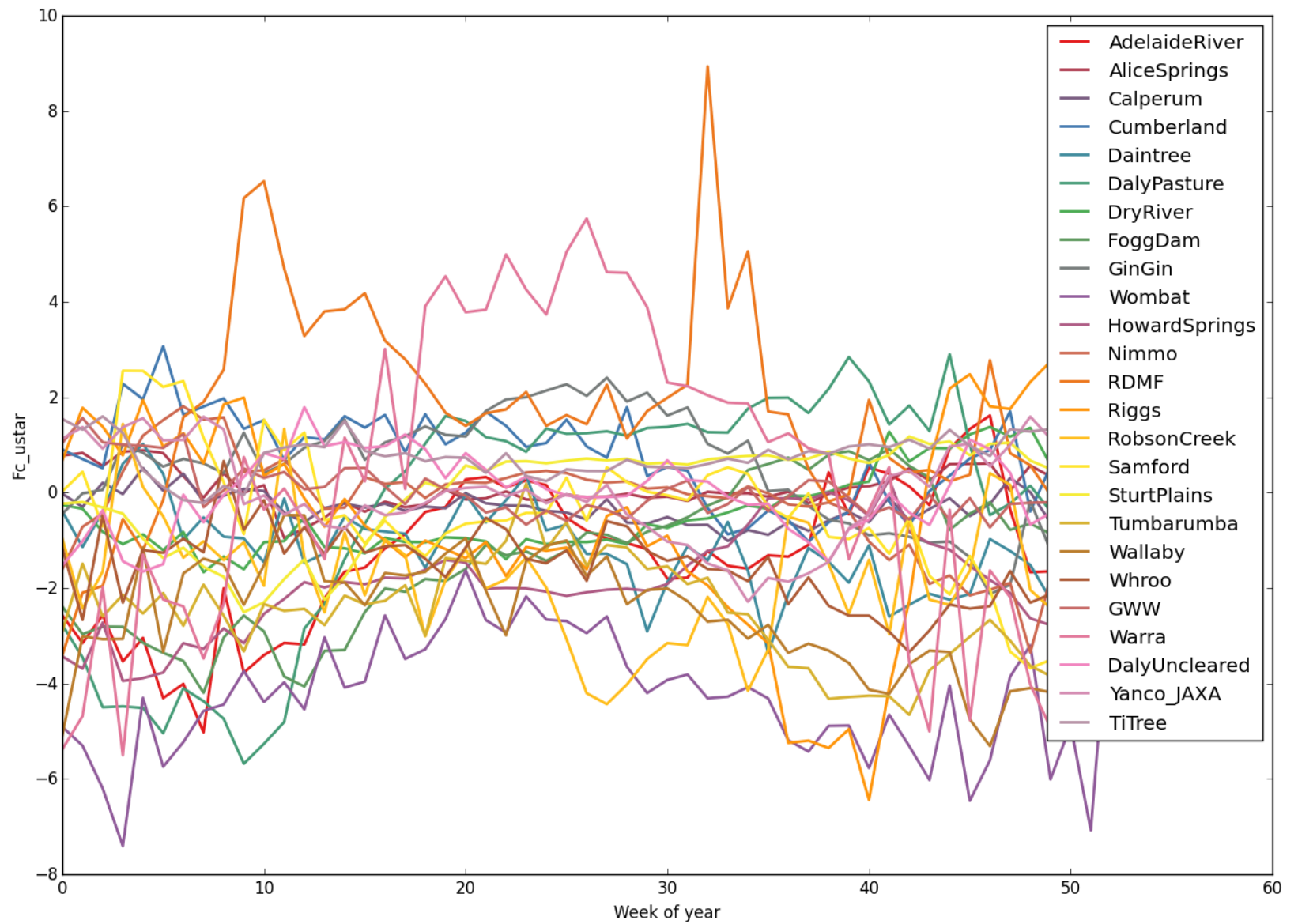
Flux league tables

Sites GPP_t_C_ha-1_y-1 Sites Re_t_C_ha-1_y-1 Sites

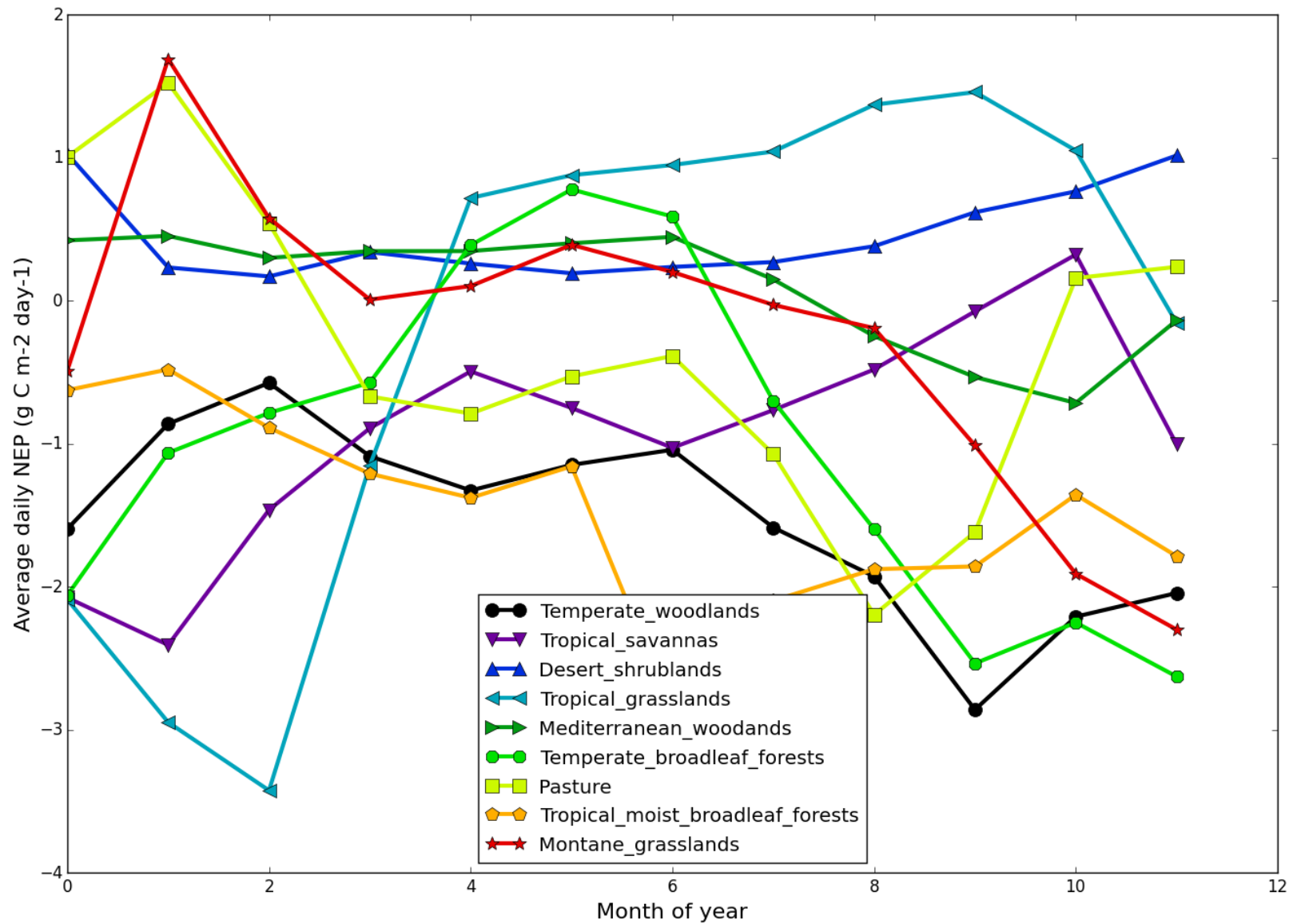
NEP_Con_t_C_ha-1_y-1



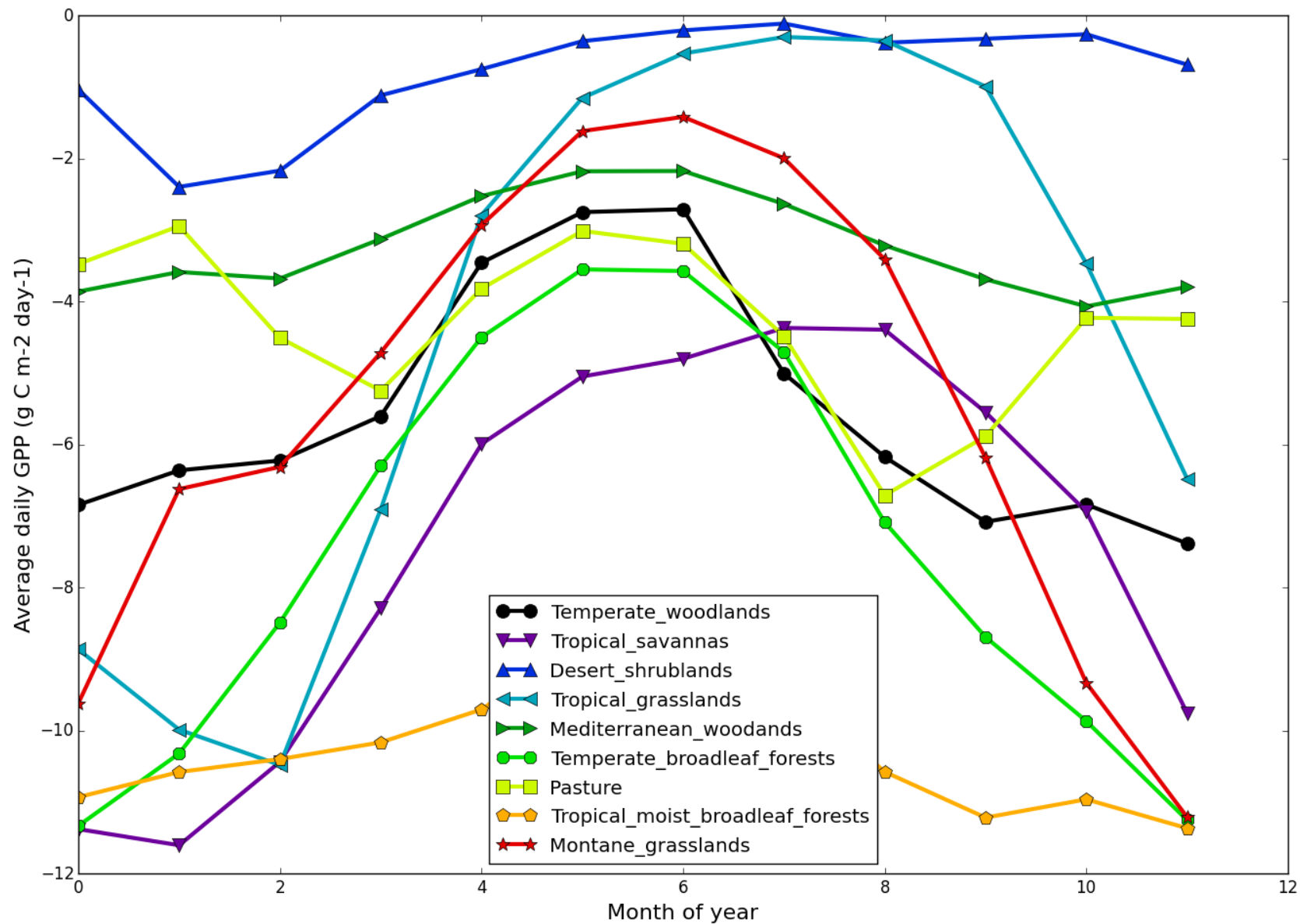
Annual time series all sites_v12



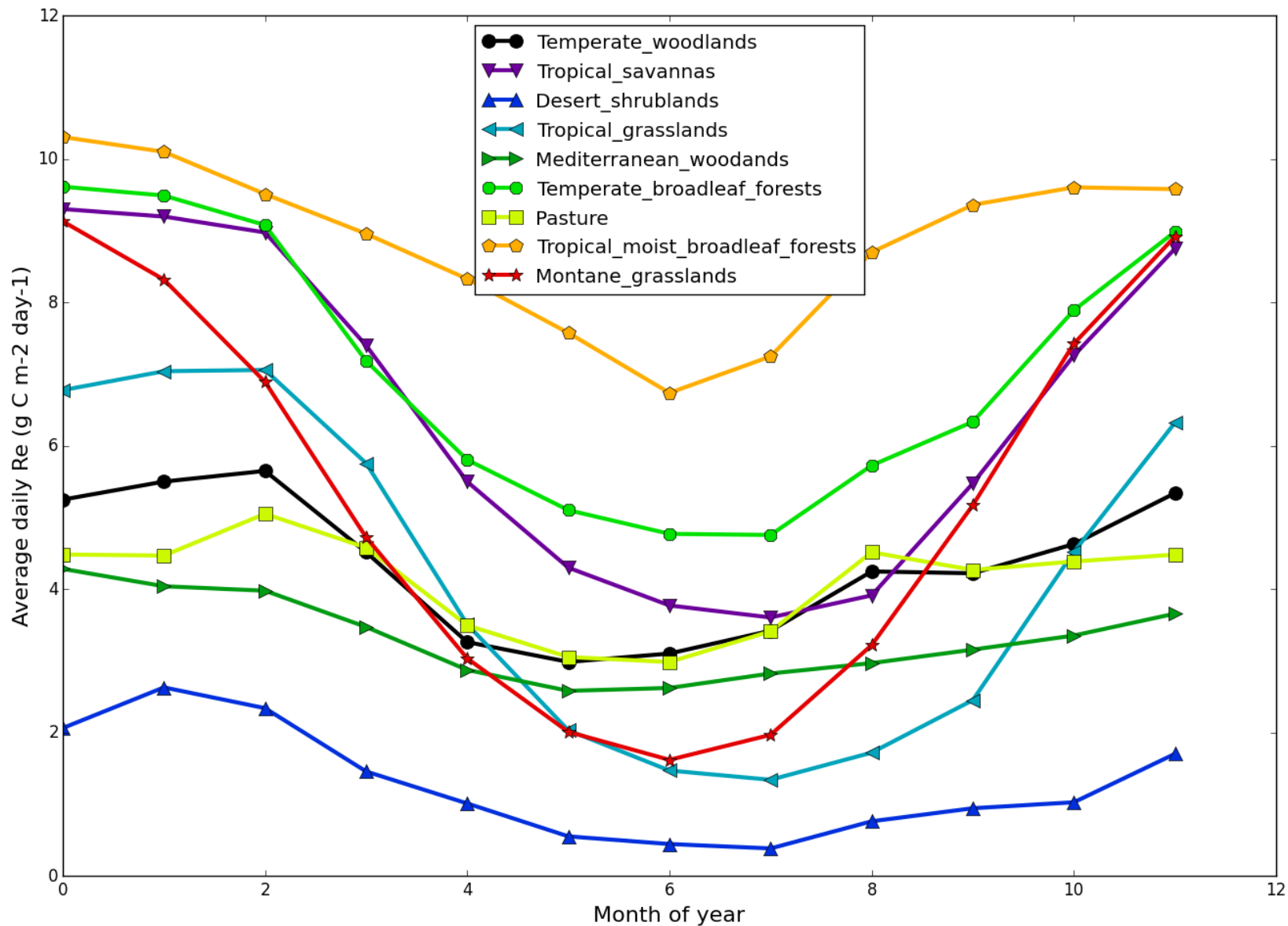
Annual time series of Fc_ustar for Australian biomes_v12

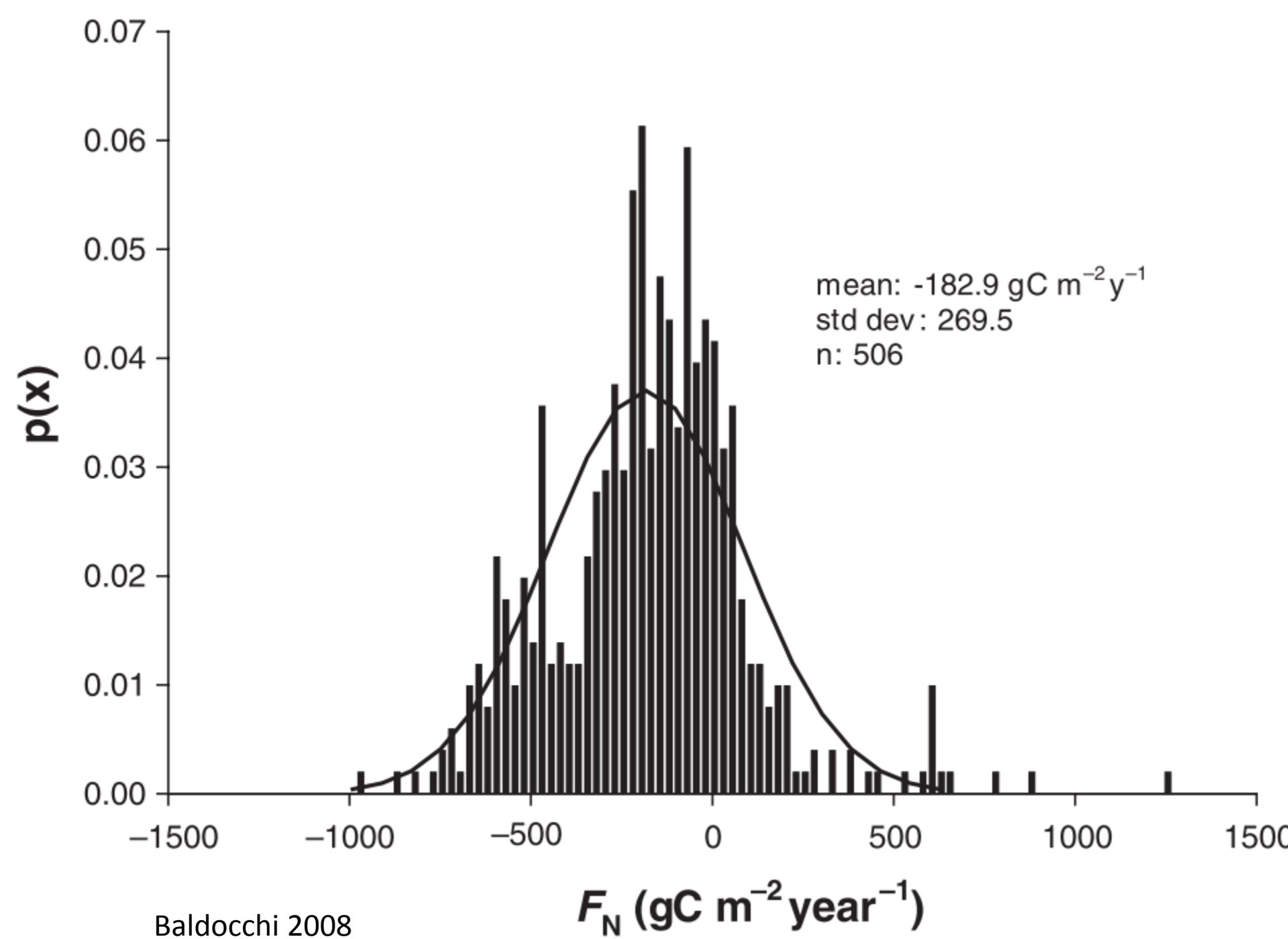


Annual time series of GPP_Con for Australian biomes_v12

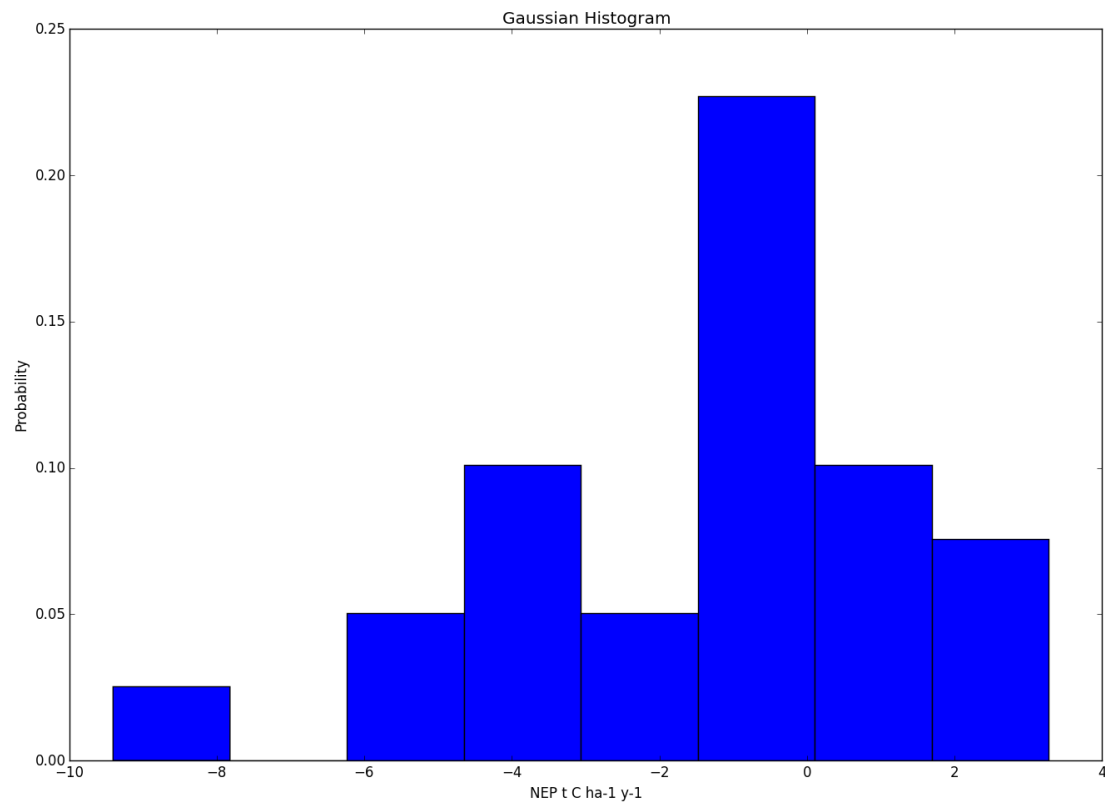


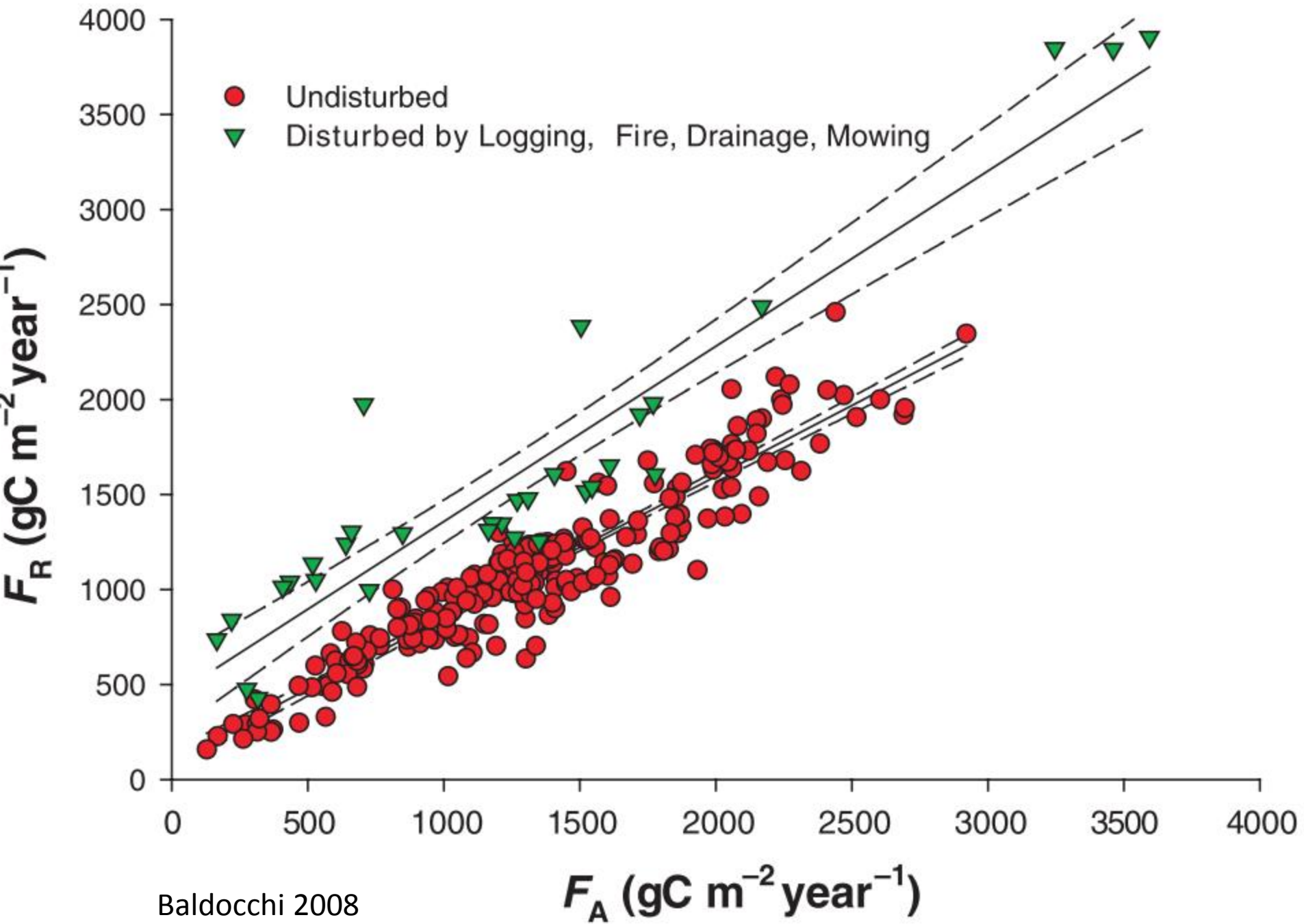
Annual time series of Fre_Con for Australian biomes_v12



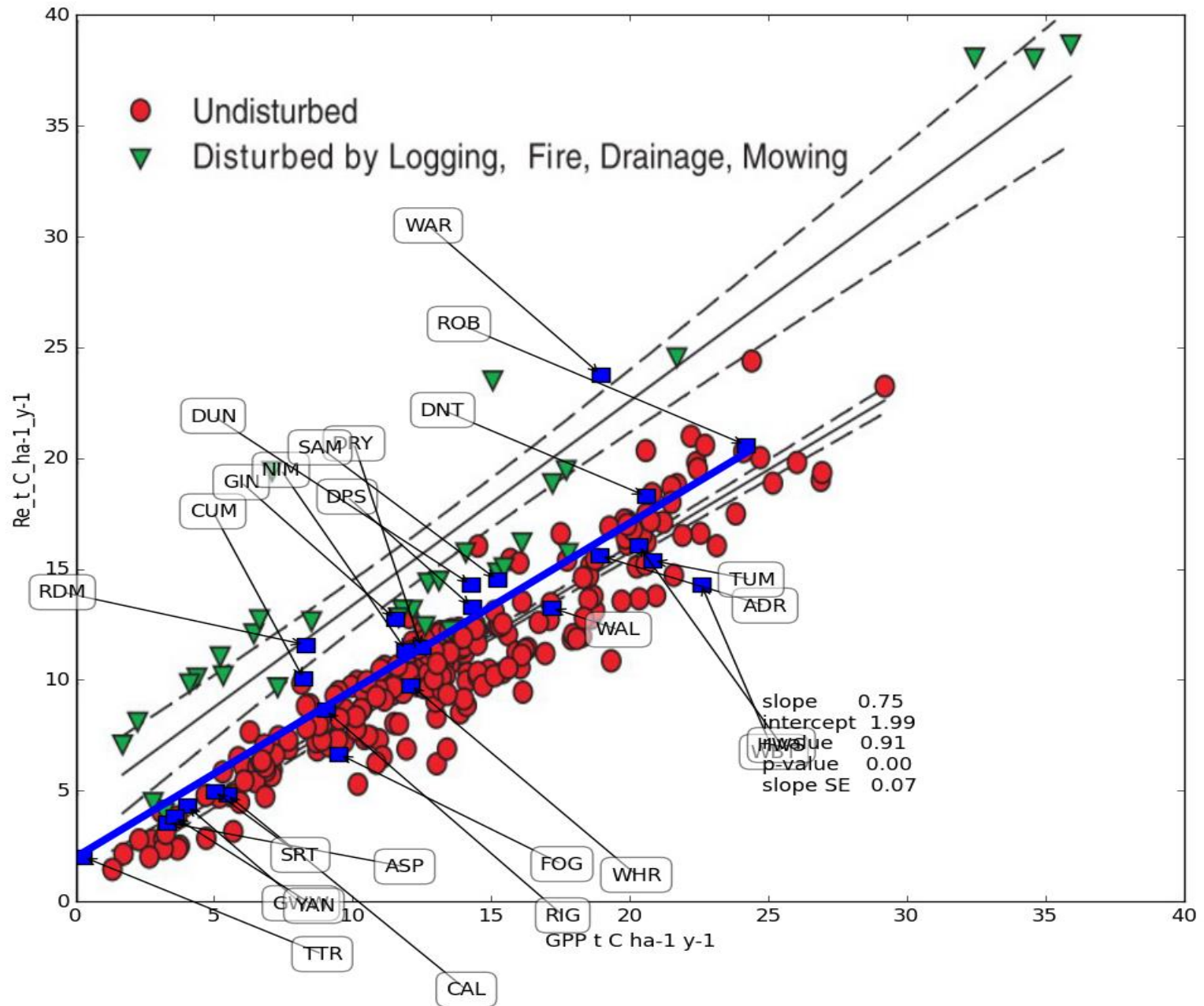


NEP pdf all sites_v12

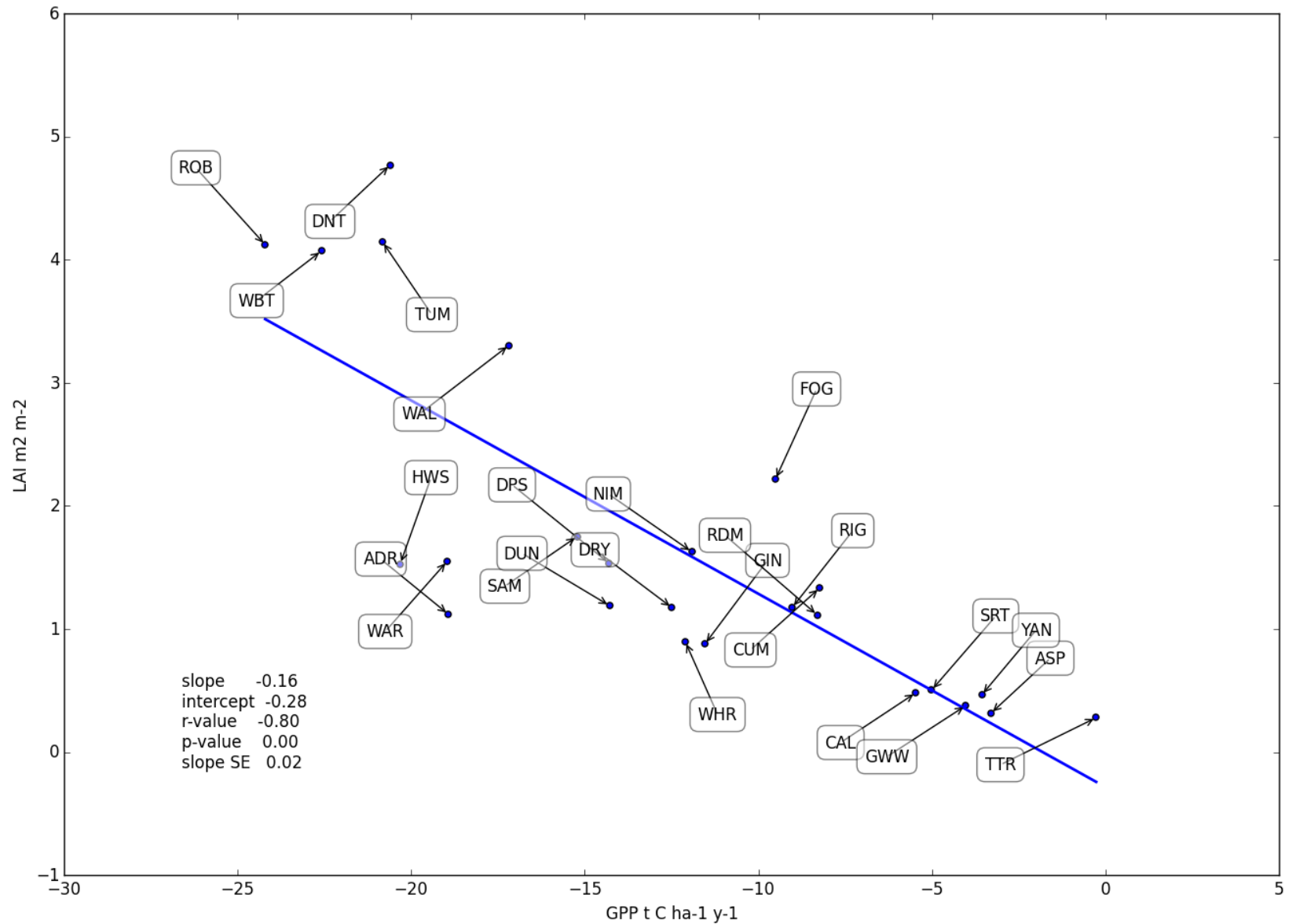




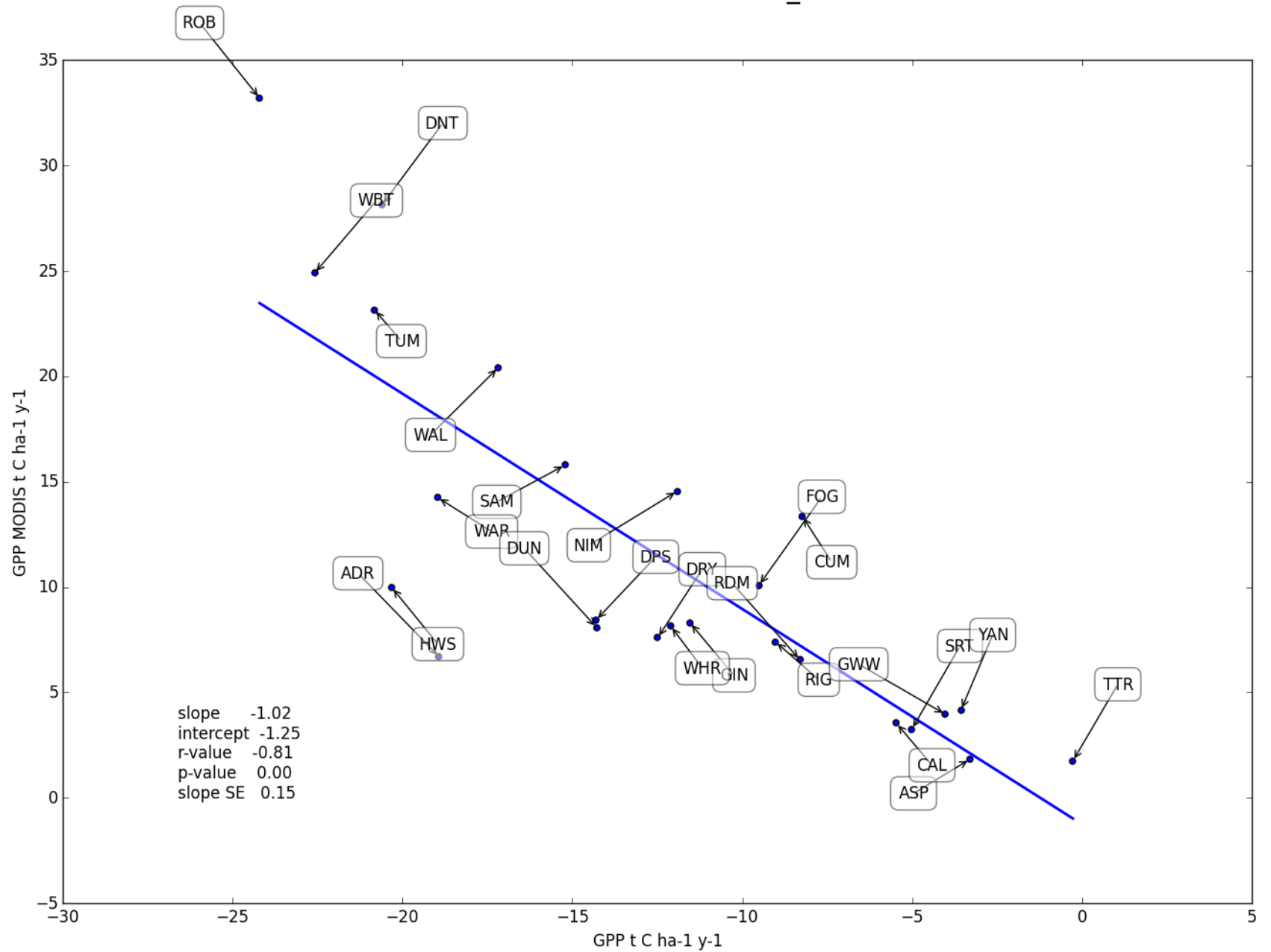
GPP versus Re all sites_v12



GPP versus LAI all sites_v12



GPP versus MODIS all sites_v12



	NEP_Con_t_C_ha-1_y-1						
Sites		Sites	WUE	Sites	WUEi	Sites	RainUE
Wombat	-9.4	Wombat		4.5DalyPasture		3.6Whroo	31.2
Wallaby	-5.9	Samford		3.6DalyUncleared		3.5Wombat	23.7
Tumbarumba	-5.4	Whroo		3.4DryRiver		3.5GinGin	22.6
HowardSprings	-4.3	Tumbarumba		3.4AliceSprings		3.4Wallaby	21.6
RobsonCreek	-3.6	Warra		3.1AdelaideRiver		3.3Riggs	21.3
AdelaideRiver	-3.3	Wallaby		3.0Whroo		3.0Nimmo	19.3
Whroo	-3.2	GinGin		2.8GWW		3.0Calperum	17.5
FoggDam	-2.9	Riggs		2.6HowardSprings		2.9DalyUncleared	16.6
Daintree	-2.3	DalyPasture		2.6Calperum		2.9Warra	16.3
Riggs	-1.1	Nimmo		2.5RDMF		2.7DryRiver	15.1
DryRiver	-1.0	Daintree		2.5Samford		2.7HowardSprings	13.9
DalyPasture	-1.0	HowardSprings		2.4Yanco_JAXA		2.7DalyPasture	13.5
Samford	-0.7	RobsonCreek		2.4GinGin		2.7Cumberland	12.4
Calperum	-0.7	AdelaideRiver		2.3SturtPlains		2.4Tumbarumba	11.0
Nimmo	-0.6	Calperum		2.3Riggs		2.3Samford	10.6
Warra	-0.4	DalyUncleared		2.2Wombat		1.9GWW	10.5
SturtPlains	0.0	GWW		2.1Cumberland		1.7RobsonCreek	10.5
DalyUncleared	0.0	Cumberland		2.1Warra		1.6AliceSprings	10.0
Yanco_JAXA	0.3	Yanco_JAXA		2.0Tumbarumba		1.5Yanco_JAXA	9.8
AliceSprings	0.3	DryRiver		2.0Wallaby		1.5RDMF	7.6
GWW	0.3	AliceSprings		1.7Daintree		1.2FoggDam	6.7
GinGin	1.2	RDMF		1.6Nimmo		1.0SturtPlains	6.7
TiTree	1.8	SturtPlains		1.2FoggDam		1.0TiTree	1.1
Cumberland	1.8	FoggDam		0.9RobsonCreek		1.0Daintree	

An introduction to the Australian flux tower network - OzFlux.

Beringer, OzFlux PI's and others as appropriate.

To be submitted to Agricultural and Forest Meteorology

Outline

Abstract

Keywords

Introduction

The role of flux research in Australia.

Evolution of OzFlux in Australia.

The Australian Landscape. Drivers – Fire, climate modes and IAV.

Scope of paper and objectives.

2. Network architecture

Network design.

Climate and biome space

Ecological measurements

3. Eddy covariance data

Data processing and quality

Data accessibility

4. Biotic and abiotic controls on land-surface exchanges

Analysis across site of NEP, GPP, Re and ET using DINGO. Compare with MODIS and BIOS2.

Use ecological characteristics (WUE LUE etc.).

Use case studies to highlight 1) temporal aspect such as longer term sites for IAV (HWS and TUM) and 2) spatial aspects across site comparison.

General lessons on controls. Use some case studies for illustrate role of network for disturbances including fire (i.e. WAL, CAL, HWS).

International comparison

Unique issues for a dry continent. Respiration and interannual variability in particular.

5. Synergies with national ecological platforms

Supersite network, eMAST, AusCover, LTER, etc

6. Future outlook

Acknowledgments

References