Fires: Ecosystems and Atmosphere

Fire types. . .

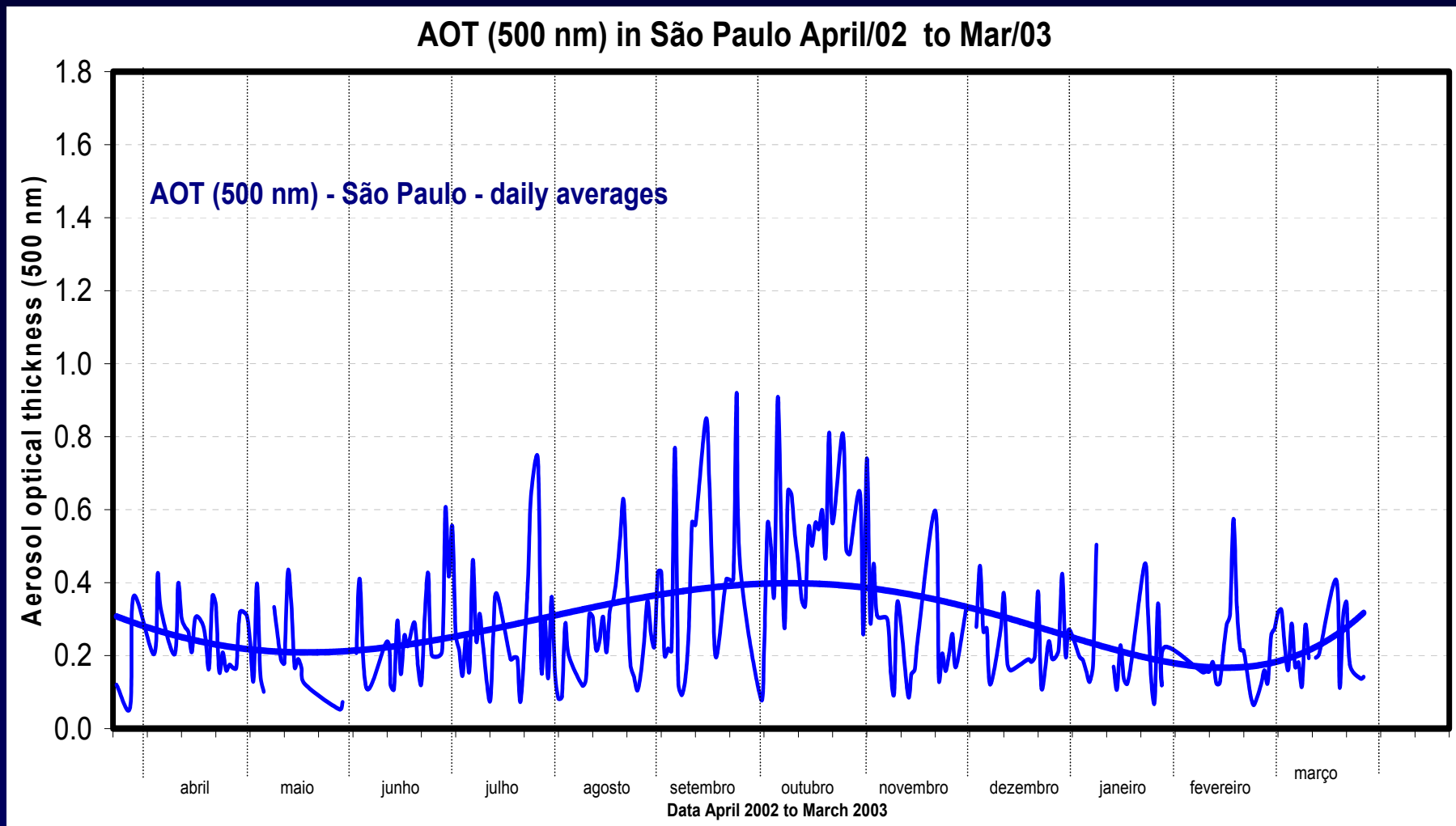|	Cleared Land	Forest
Intentional		
Accidental		

Efeitos de queimadas na Amazônia na coluna de aerossóis em São Paulo

AOT (500 nm) in São Paulo April/02 to Mar/03

AOT (500 nm) - São Paulo - daily averages

Andrea Castanho and Carlos Pires

Efeitos de queimadas na Amazônia na coluna de aerossóis em São Paulo

AOT (500 nm) in São Paulo and fire counts in Amazonia April/02 to Mar/03

AOT (500 nm) - São Paulo - daily average

Fire counts in Amazonia - Daily totals (x4000)

Aerosol optical thickness (500 nm)

Data April 2002 to March 2003

abril maio junho julho agosto setembro outubro novembro dezembro janeiro fevereiro março
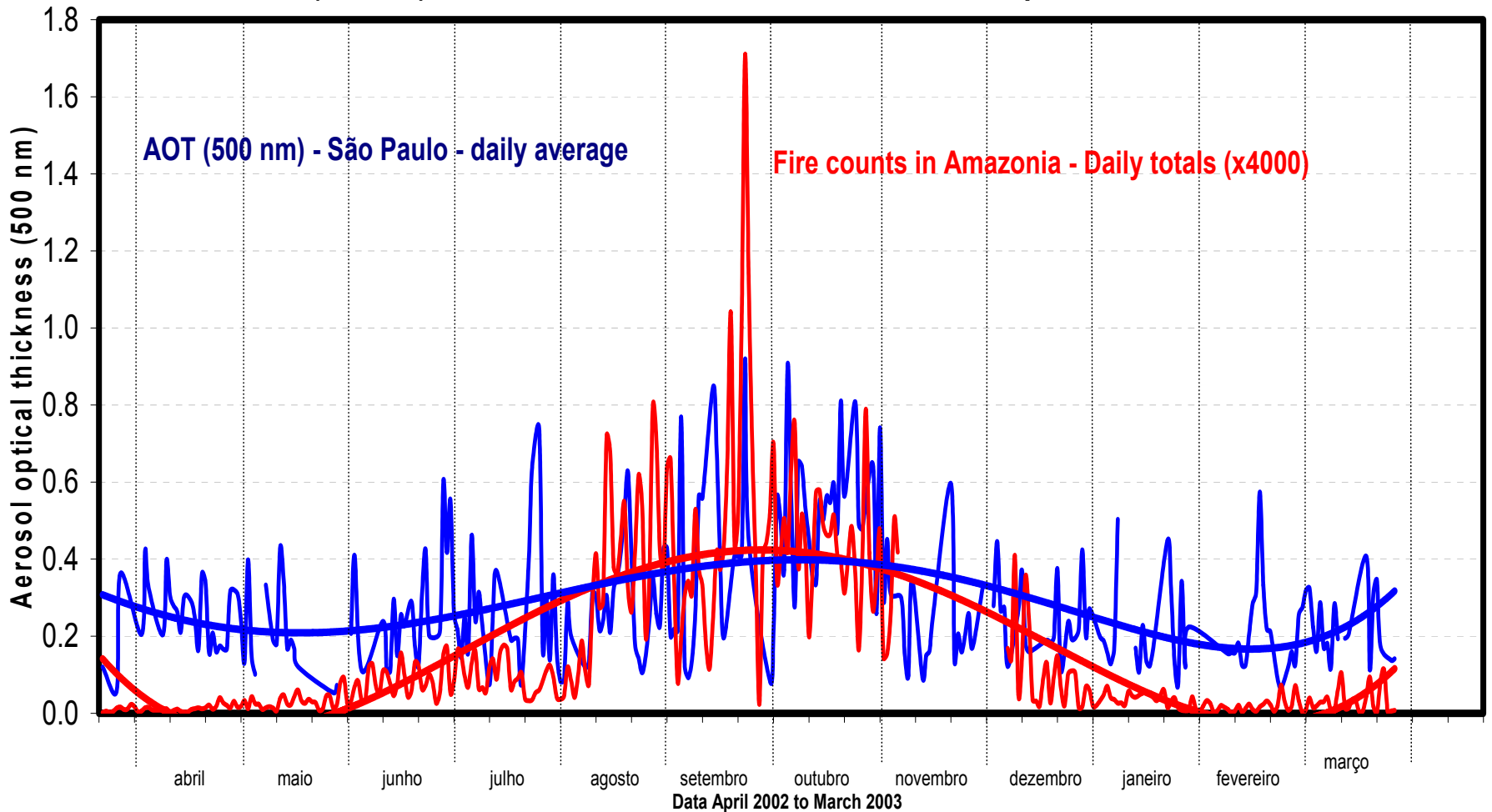
Andrea Castanho e Carlos Pires

Goals & Tasks

Fire: Ecosystems and Atmosphere

Goal:	Tasks/Activities	Who responsible?
Integrated campaign: Experimental Forest Fire(s)	Site selection	Dan Nepstad
	Calendar of planned burns/coordinates	Bob Yokelson
	Forest inventory/canopy structure	Ane Alencar
	Post-fire forest recovery Biomass consumption	Oswaldo Carvalho Bob (Joao Carvalho)

Goals & Tasks

Integrated campaign:
Experimental Forest Fire(s)

MODIS		
fire detection		**Wilfred**
scar detection		**Jeff**
vegetation change		**Yosio**
Aster-EO1		**Jeff**
CBERS		**Jeff**
Gas msts above fire		**Joao Carvalho**
Model validation (O3, aerosols, etc)		**Pedro**
Nutrients transfers		**Bob will check**
Definition of date		**Wilfrid**
Firemapper 2??		**Wilfrid**

Goals & Tasks

Integrated campaign of fire scar monitoring/analysis	Training in GPS standard protocols	Doug Morton
	Developing a training dataset for active fires, by veg type, among the broader LBA community	Doug Morton
	Involve Proteger, social movements in fire monitoring	Dan & Jeff
	Timetable of planned fire activities among LBA community	Doug??
	Undergraduate fire rover	Wilfrid

Goals & Tasks

Fire-related health risk approach	**Complete aerosol and CO and CO3 model (Saulo & Karla) operationaliza at usp & cptec**	**Saulo & Karla**
		Saulo & Karla
	Contact health experts/economists	**Dan**
	Contact health experts/economists incorporate smoke-related illness information into SUS system?	**Pedro**

Goals & Tasks

CO2 emissions from active fires

Integrate into airborne and remote sensing msts

Inverse modeling

Karla Longo

Marcos Longo

Goals & Tasks

Study impact of high conc of ozone on vegetation

Ozone and forest health   Mercedes