LBA-Ecology: Modeling Data Set Summary Table												
Amazonia-Wide Parameters												
Version date: 02/23/99												
	Foley						Moore	#1 (TEN	M)			
Category Parameter	Input			Output	t		Input			Output		
	Time	Space	Source	Time	Space	Source	Time	Space	Source	Time	Space	Source
Elevation	у											
Climate												
Precipitation	30 min						monthly	0.5 deg.				
Air Surface Temp (min/max)	30 min							0.5 deg				
Relative humidity (%)												
U-wind (m s-1)	30 min											
Radiation (net; W m-2)							monthly	0.5 deg.				
Ecosystem												
Estimated evapotranspiration (LE and H)						model				monthly	0.5 deg	. model
Net primary production (NPP)						model				monthly		
Autotrophic respiration						model				monthly		
Net ecosystem production (NEP)						model				monthly		
Trace gas fluxes (n2o, no, ch4, co, voc)												
Vegetation												
Veg. cover type	day-we	ek		yearly		model						model
Above-ground biomass												
Canopy height - ave. and max												
DBH												
foliar N												
emergence and senescence	day-we	ek										
Sapflow												
leaf temperature	30 min											
Within Canopy Temperature	30 min											
Plant respiration												
Land Surface												
FPAR												
LAI / NDVI	daily								RS			
Albedo												
roughness												

Soil and Humus						
Bulk density (g cm-2)						
Mineral soil texture class (% sand:silt:clay)						
Water holding capacity						
Soil Organic C:N:P content						
рН						
Soil respiration	yearly		model	monthly	0.5 deg	.model
N cycling (N-min, nitr, denitr) rates	yearly					
Soil temp at 15 cm	30 min			monthly	0.5 deg	.model
Soil temp profile	30 min					
Soil moisture profile				monthly	0.5 deg	.model
Litter						
quantity			model	monthly	0.5 deg	.model
decomposition	yearly		model	monthly	0.5 deg	.model
quality						
Atmospheric Concentrations						
co2						
ch4						
co						
n2o						
no						
voc						
Hydrology						
runoff				monthly	0.5 deg	.model
POC						
DOC						
river flow direction						
Inundation (+/-)						
Isotopes						
C						
0						
H						
N					_	

Moore :	#2 (New	v Model)				Potter						Riche	v					Willia
Input			tput			Input		Output			Input			Output			Input	
	Space		_		Source		Space	Source	_	Space	Source			Source	_		Source	_
							1 km	GIS										
monthly	1 degree	islscp				month;	v8 km	GIS					5.5 km	GIS, RS	<u> </u> S			
6hrly/m						month;	-	GIS					5.5 km					
6hrly/m													5.5 km	RS				
3hrly/m	1 degre	islsen				month;	s 8 km	GIS					5.5 km	RS				daily
Siniyini	1 degree	Попоср				monui,	JO KIII						3.3 Km	TKD				hourly
		min	utes	1 degre	model				daily	8 km	model					5.5 km	model	hourly
					model				daily	8 km	model					5.5 km	model	hourly
				s 1 degree model														hourly
		min	utes	1 degre	model				daily	8 km	model					5.5 km	model	
									daily	8 km	model					5.5 km	model	
		min	utes	1 degre	model			GIS	yearly	8 km	model		5.5 km	RS				
		min	utes	1 degre	model				yearly	8 km	model							
		min	utes	1 degre	model													
		min	utes	1 degre	model													
					model													
		min	utes	1 degre	model													
		min	utes	1 degre	model													
					model													month
					model													
						month;	v1 km	RS					5.5 km	RS				hourly
		min	utes	1 degre	model	month;	-	RS					5.5 km					
							-											

	1 degree					1 km	GIS								month
	1 degree	islscp				1 km	GIS								
	1 degree	islscp				1 km	GIS								
			minutes 1 degree with sub-grid s			1 km	GIS								
						1 km	GIS								у
			minutes 1 degree	model				daily	8 km	model			5.5 km	model	у
			minutes 1 degree							у	river		у		
monthly	1 degree	islscp						daily	8 km	model			5.5 km	model	y
								daily	8 km	model			5.5 km	model	
								month;	x 0 1cm	model					
			minutes 1 deg. w/sub-grid minutes 1 deg. w/sub-grid					daily	8 km	model					
			minutes 1 deg. v					month;		model					
			minutes i deg. v	v/sub-gn	lu			monui,	yo Kili	model					
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												y			
			minutes 1 deg. v	v/sub-gri	id						y	у			
			minutes 1 deg. v	v/sub-gri	id						y	у			
			minutes 1 deg. v	v/sub-gri	id						y	у			
											y		amazor	n basin	
											у				
											у				
															1
											У				

ıs		0.4.4			Chatfield	Denning	Dobson	Freeman	Guenthe	Huete	Melack	Skole	Smith	Tans
~		Output		~										
Space	Source '	Time	Space	Source										
										DG 1 11			D.C.	
										RS, daily			RS	
										DG 1 11			Da	
										RS, daily			RS	
tower														
tower														
tower										model				
tower														
		hourly		model									model	
		hourly		model				_ ~			_ ~			
		hourly		model				RS		RS	RS, seas	model, F	RS	
		hourly		model			RS/GIS							
							biometry							
		yearly		model										
tower														
tower														
		hourly								RS				
										RS				
		hourly								RS, 1-km	1			

tower								
tower								
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tower								
tower	yearly	model						
	jj	model						
	yearly	model						
	yearly	model						
	daily	model						
	hourly	model						
	hourly	model						
	yearly	model	model	model				aircraft
	yearly	model	model					aircraft
	yearly	model	model					aircraft
			model					aircraft
			model					
			model			model		
					RS, seaso	onal	RS, seasonal, 100-m	