						climate	climate	2010	2010	2010	2010			
CZO	site	city/town	Area	Elev Range	AvgElev	Avg Ta	Ann Ppt	NPP	Avg Ta	Ann Ppt	Insol	Eppt	Ebio	EEMT
			(km2)	(m)	(m)	(degC)	(mm)	g/m2/y	(degC)	(mm)	(W/m2)	W/m2	W/m2	MJ/m2/y
BC		Boulder,CO	1158	1480-4120	2800									
	Green Lks valley		2.32	3567-4024	3796	-3.7	1214							
	Gordon Gulch		3.7	2446-2737	2592	5.1	519	700				0.3508	0.4883	26.46
	Betasso		0.5	1810-2024	1917	12.3	563	700	9.5	468	189	0.9178	0.4883	44.35
SSN		Merced, CA												
	Short Hair Ck			2700	2700	4.1	1100	378	5.3	191	105	0.5977	0.2637	27.17
	P301			2020	2020	8.9	1000	757	8.2	80	89	1.1795	0.5280	53.86
	Soaproot Saddle			1160	1160	10.9	870	210				1.2568	0.1463	44.25
	SJER-SanJoaquin			400	400	14.4	500	159	17	257	98	0.9542	0.1109	33.59
	Providence CK	Kings River	4.6	1660-2100	1880	8	1200					1.2723	0.0000	40.13
	Wolverton basin	SequoiaNP	8	2230-2700	2465									
	KREW-KingsR EW								6	1880	157	0.0000	0.0000	0.00
JBC														
	JemezRv Basin	Los Alamos,NM		1700-3432	2560	3-11	480-820							
	JRB-high	pp site?	0.14	2986-3103	3045	4.1	770	326	6.8	1170	219	0.4184	0.2271	20.36
	JRB-low	mc site?	0.13	2664-2934	2799	5.1	670	341	4.7		237	0.4529	0.2376	21.78
	Santa Catalina Mts	Tucson, AZ		805-2790	1798	11-18	420-940							
	Marshall Gulch-hi		1.54	2284-2634	2349	10.4	940	341				1.2956	0.2376	48.36
	Oracle Ridge-mid		1.09	2064-2388	2226	11.9	840	350				1.3248	0.2441	49.48
	B2 Desert-low			1022-1161	1092	18.2	420	400				1.0131	0.2790	40.75
SSH		StateCollege, PA												
	Shale Hills		0.08	256-310	283	9.5	1050	1136	12			1.3220	0.7921	66.68
	Transect	varies widely				7-24	1000-2500	675						
CRB														
	Christina RB		1440	0-329	165	12	1145	700	12	1145	240	1.8210	0.4883	72.83
	White Clay Ck		7.5	91-168	130	12	1145					1.8210	0.0000	57.43
LUQ		San Juan, PR		0-1075	538		1000-5000							
	Sabana Field Sta		10.3											
	Rio Blanco		3.3	0-1043	522		3080							
	Rio Mameyes		17.8											
	Bisley			265-460	363	25	3000	1205	24.5	4390		9.9398	0.8405	340.01

CZO/ components	Site	Other	earliest	2006	2007	2008	2009	2010	2011	2012	2013
Jemez-Catalina,AZ											
3	Oracle Ridge							x	x	x	
5	Marshal Gulch	precip6			x	x	x	x	x		
6	B2 Desert	precip					x	x	x	x	
13	PonderosaPine	EC Flux			x	x	x	x	x	x	
1	Jemez-hi-SW	snow2							x	x	
1	Jemez-hi-SE							x	x	x	
1	Jemez-mid-upper								x	x	
1	Jemez-mid-lower								x	x	
Boulder Ck,CO											
1	Betasso	snow1					x	x	x	x	x
2	GrnLksValley	"Niwot"	1986	x							
10	GordonGulch-upper	snow				x	x	x	x	x	
10	GordonGulch-lower	snow3				x	x	x	x	x	
So.Sierra, CA											
13	Wolverton/Panther	EC Flux		x	x	x	x	x	x	x	
11	Wolverton				x	x	x	x	x		
18	Providence-upper	rainchem3	2002	x	x	x	x	x	x		
18	Providence-lower		2002	x	x	x	x	x	x		
16	Krew/Bull Ck-upper		2003	x	x	x	x	x	x		
16	Krew/Bull Ck-lower		2003	x	x	x	x	x	x		
Luqillo, PR											
5	Bisley	ozone	1993	x	x	x	x	x	x	x	x
1	Lug Mts		2001	x	x	x					
9	Sabana FS1						x	x	x	x	x
2	Sabana FS2		2000	x	x	x	x	x			
5	East Pk		2002	x	x	x	x	x	x	x	x
ShaleHills, PA											
16	ShaleHills1			x	x	x	x	x	x	x	
2	ShaleHills2	EC Flux					x	x			
21	Transect							x	x	x	x
Christina,DE											
4	NOAA/NCDC		1920	x	x	x	x	x	x	x	x
17	ChesterCO, PA	water			x	x	x	x	x	x	x
16	AvondaleCO, PA			x	x	x	x	x	x	x	x
1	Deleware/SEPA		2004	x	x	x	x	x	x	x	x
1	Stroud		1996	x	x	x	x	x			

CZO Tower Flux Column index

CZO	units	JBC	JBC	BC	SSN	SSH	LUQ	CRB
Site name		vcmc	vcpp	betasso	p301 , sjer	yyyy-flux	Bisley	swrc
Timecode	varies	1	1	1	1	1,4	3	1
interval	/day	48	48	24	24	48	1	24
Temp-2m-air	degC	2	2	2	6,8	6	(12,14)/2	3
Temp-10m-air	degC			4				
Temp-15cm-soil	degC			12				
Temp - IRT	degC							9
Precip	mm			15	9		4	2
ustar	m/s				2	5		
Wind speed	m/s			6	5	8	26	
Wind dir	deg			7	4	7	29	
Rg-Sol_in-5m	W/m2	14	12	9	14		7	6
Rn: Net Rad	W/m2			10	16			
H: Sensible	W/m2	6	6		18	11		
LE: Latent	W/m2	8	8		20	12		
G: Soil heat flux	W/m2			11	17			
RH: Humidity	%	10		5	10		(16,18)/2	12
VPD	kPa	12	10					
SM-15cm	%			13				
Pressure	bars			14				
H2O flux	g/m3				24	14		
GPP	umol/m2/s	18	16					
ResEcosys	umol/m2/s	16	14					
FluxCO2	umol/m2/s	4	4		22	10		
CO2 flux	mg/m3					13		
missing data		-9999	-9999	'null'	-999	-999	-6999	-9999
					NaN			