

1940-2003				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.64961173	0.536279991	0.556749877
pbani	0.64961173	1	0.543903498	0.442941741
pplc	0.536279991	0.543903498	1	0.397349941
pra	0.556749877	0.442941741	0.397349941	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.476257654	0.490448204	0.534119441
dianbani	0.476257654	1	0.328636172	0.37194457
dianplc	0.490448204	0.328636172	1	0.366597959
dianra	0.534119441	0.37194457	0.366597959	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.656389105	0.628030017	0.616016783
pbaninorm	0.656389105	1	0.612549557	0.486202303
pplcnorm	0.628030017	0.612549557	1	0.451269679
pranorm	0.616016783	0.486202303	0.451269679	1

1940-1944				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.743517338	0.555692914	0.416319148
pbani	0.743517338	1	0.434003009	0.492304579
pplc	0.555692914	0.434003009	1	0.486579676
pra	0.416319148	0.492304579	0.486579676	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.555409781	0.377204171	0.45622597
dianbani	0.555409781	1	0.357233143	0.49016848
dianplc	0.377204171	0.357233143	1	0.387229155
dianra	0.45622597	0.49016848	0.387229155	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.793461667	0.725646306	0.597167153
pbaninorm	0.793461667	1	0.690433809	0.652427749
pplcnorm	0.725646306	0.690433809	1	0.657530481
pranorm	0.597167153	0.652427749	0.657530481	1
1945-1949				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.63118252	0.895980659	0.721307503
pbani	0.63118252	1	0.595287515	0.473906302
pplc	0.895980659	0.595287515	1	0.695717697
pra	0.721307503	0.473906302	0.695717697	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.658450349	0.662764884	0.792513925
dianbani	0.658450349	1	0.444539967	0.774793227
dianplc	0.662764884	0.444539967	1	0.703686705
dianra	0.792513925	0.774793227	0.703686705	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.7654523	0.890099661	0.729879505
pbaninorm	0.7654523	1	0.7563512	0.605690907
pplcnorm	0.890099661	0.7563512	1	0.649217349
pranorm	0.729879505	0.605690907	0.649217349	1

1950-1954				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.80209415	0.700510473	0.567599726
pbani	0.80209415	1	0.726581518	0.422542142
pplc	0.700510473	0.726581518	1	0.449997079
pra	0.567599726	0.422542142	0.449997079	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.642979705	0.486433392	0.642351836
dianbani	0.642979705	1	0.140472963	0.512487984
dianplc	0.486433392	0.140472963	1	0.314092042
dianra	0.642351836	0.512487984	0.314092042	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.794663359	0.727973505	0.67832747
pbaninorm	0.794663359	1	0.674507511	0.489377007
pplcnorm	0.727973505	0.674507511	1	0.430499706
pranorm	0.67832747	0.489377007	0.430499706	1
1955-1959				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.557115694	0.723135786	0.73314619
pbani	0.557115694	1	0.6239783	0.384692967
pplc	0.723135786	0.6239783	1	0.538023399
pra	0.73314619	0.384692967	0.538023399	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.338011537	0.458103191	0.528746104
dianbani	0.338011537	1	0.261447956	0.334933917
dianplc	0.458103191	0.261447956	1	0.528735735
dianra	0.528746104	0.334933917	0.528735735	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.553852007	0.704297859	0.715976862
pbaninorm	0.553852007	1	0.636785079	0.489974629
pplcnorm	0.704297859	0.636785079	1	0.636803256
pranorm	0.715976862	0.489974629	0.636803256	1

1960-1964				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.532973916	0.503789502	0.185136223
pbani	0.532973916	1	0.482634164	0.495184418
pplc	0.503789502	0.482634164	1	0.253341532
pra	0.185136223	0.495184418	0.253341532	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.435921354	0.400966754	0.339875671
dianbani	0.435921354	1	0.628949513	0.182790752
dianplc	0.400966754	0.628949513	1	0.69432985
dianra	0.339875671	0.182790752	0.69432985	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.602833466	0.561922215	0.309394711
pbaninorm	0.602833466	1	0.534114819	0.508365845
pplcnorm	0.561922215	0.534114819	1	0.367876242
pranorm	0.309394711	0.508365845	0.367876242	1
1965-1969				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.576546669	0.567868561	0.507963328
pbani	0.576546669	1	0.262850969	0.397914664
pplc	0.567868561	0.262850969	1	0.431930391
pra	0.507963328	0.397914664	0.431930391	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.654675844	0.342480791	0.583004532
dianbani	0.654675844	1	-0.082558544	0.229105382
dianplc	0.342480791	-0.082558544	1	0.224247303
dianra	0.583004532	0.229105382	0.224247303	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.775161136	0.608505108	0.591068816
pbaninorm	0.775161136	1	0.438663246	0.504407243
pplcnorm	0.608505108	0.438663246	1	0.443555352
pranorm	0.591068816	0.504407243	0.443555352	1

1970-1974				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.727882475	0.553085421	0.154251217
pbani	0.727882475	1	0.553983712	0.297976335
pplc	0.553085421	0.553983712	1	0.364976292
pra	0.154251217	0.297976335	0.364976292	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.539678545	0.390813912	0.297455401
dianbani	0.539678545	1	0.570198906	0.285163663
dianplc	0.390813912	0.570198906	1	0.158008524
dianra	0.297455401	0.285163663	0.158008524	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.671254707	0.658619548	0.23410863
pbaninorm	0.671254707	1	0.666085383	0.303236861
pplcnorm	0.658619548	0.666085383	1	0.269050428
pranorm	0.23410863	0.303236861	0.269050428	1
1975-1979				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.649953037	0.581529148	0.593482522
pbani	0.649953037	1	0.663477253	0.1949017
pplc	0.581529148	0.663477253	1	0.315129346
pra	0.593482522	0.1949017	0.315129346	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.266512787	0.482956558	0.5773824
dianbani	0.266512787	1	0.455420922	0.243438642
dianplc	0.482956558	0.455420922	1	0.389853383
dianra	0.5773824	0.243438642	0.389853383	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.604609843	0.671706165	0.626657173
pbaninorm	0.604609843	1	0.737453309	0.290001372
pplcnorm	0.671706165	0.737453309	1	0.417632948
pranorm	0.626657173	0.290001372	0.417632948	1

1980-1984				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.782764039	0.60845933	0.651320539
pbani	0.782764039	1	0.444148716	0.775087975
pplc	0.60845933	0.444148716	1	0.264277436
pra	0.651320539	0.775087975	0.264277436	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.547352966	0.566657201	0.334441411
dianbani	0.547352966	1	0.166622839	0.075592707
dianplc	0.566657201	0.166622839	1	-0.283504865
dianra	0.334441411	0.075592707	-0.283504865	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.787531795	0.730229066	0.609612944
pbaninorm	0.787531795	1	0.600618921	0.601909769
pplcnorm	0.730229066	0.600618921	1	0.323653776
pranorm	0.609612944	0.601909769	0.323653776	1
1985-1989				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.658506304	0.543869013	0.5883382
pbani	0.658506304	1	0.518876558	0.705396546
pplc	0.543869013	0.518876558	1	0.589531091
pra	0.5883382	0.705396546	0.589531091	1
using normalized difference				
	diansjo	dianbani	dianplc	dianra
diansjo	1	0.473956428	0.425167726	0.29746856
dianbani	0.473956428	1	0.267578934	0.401036608
dianplc	0.425167726	0.267578934	1	0.491365491
dianra	0.29746856	0.401036608	0.491365491	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.738361482	0.659965332	0.569526929
pbaninorm	0.738361482	1	0.599185163	0.642462029
pplcnorm	0.659965332	0.599185163	1	0.624406075
pranorm	0.569526929	0.642462029	0.624406075	1

1990-1994				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	NA	NA	NA	NA
pbani	NA	1	0.652678526	0.517918752
pplc	NA	0.652678526	1	0.554027042
pra	NA	0.517918752	0.554027042	1
using normalized difference				
	diansjo	dianbani	dianpplc	dianra
diansjo	NA	NA	NA	NA
dianbani	NA	1	0.358571393	0.348063378
dianpplc	NA	0.358571393	1	0.292838288
dianra	NA	0.348063378	0.292838288	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	NA	NA	NA	NA
pbaninorm	NA	1	0.589854374	0.464262612
pplcnorm	NA	0.589854374	1	0.489361938
pranorm	NA	0.464262612	0.489361938	1
1995-1999				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.697307683	0.680193236	0.398059264
pbani	0.697307683	1	0.601701282	0.14374048
pplc	0.680193236	0.601701282	1	0.129367943
pra	0.398059264	0.14374048	0.129367943	1
using normalized difference				
	diansjo	dianbani	dianpplc	dianra
diansjo	1	0.663473674	0.434196561	0.605000868
dianbani	0.663473674	1	0.312526128	0.390411499
dianpplc	0.434196561	0.312526128	1	0.403140785
dianra	0.605000868	0.390411499	0.403140785	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.66687034	0.687692695	0.435811472
pbaninorm	0.66687034	1	0.590778646	0.30490277
pplcnorm	0.687692695	0.590778646	1	0.299442551
pranorm	0.435811472	0.30490277	0.299442551	1

2000-2004				
using raw precipitation				
	psjo	pbani	pplc	pra
psjo	1	0.300391439	0.264513725	0.463388733
pbani	0.300391439	1	0.454524153	0.581294181
pplc	0.264513725	0.454524153	1	0.759074782
pra	0.463388733	0.581294181	0.759074782	1
using normalized difference				
	diansjo	dianbani	dianpplc	dianra
diansjo	1	0.528307446	0.511255035	0.645878072
dianbani	0.528307446	1	0.382642599	0.608482462
dianpplc	0.511255035	0.382642599	1	0.479445546
dianra	0.645878072	0.608482462	0.479445546	1
using Box-Cox transformed				
	psjonorm	pbaninorm	pplcnorm	pranorm
psjonorm	1	0.625906233	0.566531512	0.684576125
pbaninorm	0.625906233	1	0.523164187	0.652302682
pplcnorm	0.566531512	0.523164187	1	0.718166633
pranorm	0.684576125	0.652302682	0.718166633	1

variable	5 yrs. periods best correlated with sjo	Relative frequency of 5 yrs. period best correlated with sjo
pbani	9	75.00%
pplc	1	8.33%
pra	2	16.67%
dianbani	7	58.33%
dianpplc	1	8.33%
dianra	4	33.33%
pbaninorm	7	58.33%
pplcnorm	3	25.00%
pranorm	2	16.67%