

**UNIVERSITY OF SOUTHAMPTON**

**LONG CYCLES**  
**with particular reference to Kondratieffs**

(2 volumes)

Volume II  
The Appendices

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**"VAR" APPENDIX 1-56**  
for the pre-spectral (input) variables

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The tin data	VAR 1-31
The population data	VAR 32-44
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The 7 columns of variables for each data type cover:

- 1\* Time (in years) (x)
- 2 Raw data
- 3 Log of data (y)
- 4 Transposed variable 1/x
- 5 Transposed variable y/x
- 6\* Trend
- 7\* Residual

Nb: The heteroscedasticity-reduced trend modelling shows the three essential\* columns, where the first column is Time, the second, the new Trend and the third, the Residual for the pre-spectral or First Stage Modelling.

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling

VAR. 1

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OBS	Time 1	Raw Data 2	Log of data 3	1/x 4	y/x 5	Trend 6	Residual 7
1	1156	0.06161	-1.21037	1.00000	-1.21037	-1.0669	-0.14347
2	1157	0.06161	-1.21037	0.50000	-0.60518	-1.0638	-0.14657
3	1158	0.06161	-1.21037	0.33333	-0.40346	-1.0607	-0.14967
4	1159	0.06161	-1.21037	0.25000	-0.30259	-1.0576	-0.15277
5	1160	0.06161	-1.21037	0.20000	-0.24207	-1.0545	-0.15587
6	1161	0.07768	-1.10970	0.16667	-0.18495	-1.0514	-0.05830
7	1162	0.07768	-1.10970	0.14286	-0.15853	-1.0483	-0.06140
8	1163	0.08304	-1.08074	0.12500	-0.13509	-1.0452	-0.03554
9	1164	0.08304	-1.08074	0.11111	-0.12008	-1.0421	-0.03864
10	1165	0.08304	-1.08074	0.10000	-0.10807	-1.0390	-0.04174
11	1166	0.08304	-1.08074	0.09091	-0.09825	-1.0359	-0.04484
12	1167	0.08304	-1.08074	0.08333	-0.09006	-1.0328	-0.04794
13	1168	0.08304	-1.08074	0.07692	-0.08313	-1.0297	-0.05104
14	1169	0.24107	-0.61785	0.07143	-0.04413	-1.0266	0.40875
15	1170	0.24107	-0.61785	0.06667	-0.04119	-1.0235	0.40565
16	1171	0.28393	-0.54679	0.06250	-0.03417	-1.0204	0.47361
17	1172	0.28393	-0.54679	0.05882	-0.03216	-1.0173	0.47051
18	1173	0.28393	-0.54679	0.05556	-0.03038	-1.0142	0.46741
19	1174	0.28393	-0.54679	0.05263	-0.02878	-1.0111	0.46431
20	1175	0.28393	-0.54679	0.05000	-0.02734	-1.0080	0.46121
21	1176	0.28393	-0.54679	0.04762	-0.02604	-1.0049	0.45811
22	1177	0.28393	-0.54679	0.04546	-0.02485	-1.0018	0.45501
23	1178	0.28393	-0.54679	0.04348	-0.02377	-0.9987	0.45191
24	1179	0.28393	-0.54679	0.04167	-0.02278	-0.9956	0.44881
25	1180	0.28393	-0.54679	0.04000	-0.02187	-0.9925	0.44571
26	1181	0.28393	-0.54679	0.03846	-0.02103	-0.9894	0.44261
27	1182	0.28393	-0.54679	0.03704	-0.02025	-0.9863	0.43951
28	1183	0.28393	-0.54679	0.03571	-0.01953	-0.9832	0.43641
29	1184	0.28393	-0.54679	0.03448	-0.01885	-0.9801	0.43331
30	1185	0.28393	-0.54679	0.03333	-0.01823	-0.9770	0.43021
31	1186	0.28393	-0.54679	0.03226	-0.01764	-0.9739	0.42711
32	1187	0.28393	-0.54679	0.03125	-0.01709	-0.9708	0.42401
33	1188	0.28393	-0.54679	0.03030	-0.01657	-0.9677	0.42091
34	1189	0.28393	-0.54679	0.02941	-0.01608	-0.9646	0.41781
35	1190	0.34821	-0.45815	0.02857	-0.01309	-0.9615	0.50335
36	1191	0.34821	-0.45815	0.02778	-0.01273	-0.9584	0.50025
37	1192	0.34821	-0.45815	0.02703	-0.01238	-0.9553	0.49715
38	1193	0.34821	-0.45815	0.02632	-0.01206	-0.9522	0.49405
39	1194	0.34821	-0.45815	0.02564	-0.01175	-0.9491	0.49095
40	1195	0.34821	-0.45815	0.02500	-0.01145	-0.9460	0.48785
41	1196	0.34821	-0.45815	0.02439	-0.01117	-0.9429	0.48475
42	1197	0.34821	-0.45815	0.02381	-0.01091	-0.9398	0.48165
43	1198	0.40090	-0.39696	0.02326	-0.00923	-0.9367	0.53974
44	1199	0.41567	-0.38125	0.02273	-0.00866	-0.9336	0.55235
45	1200	0.37230	-0.42911	0.02222	-0.00954	-0.9305	0.50139
46	1201	0.37276	-0.42857	0.02174	-0.00932	-0.9274	0.49883
47	1202	0.37276	-0.42857	0.02128	-0.00912	-0.9243	0.49573
48	1203	0.37276	-0.42857	0.02083	-0.00893	-0.9212	0.49263
49	1204	0.32847	-0.48350	0.02041	-0.00987	-0.9181	0.43460
50	1205	0.32847	-0.48350	0.02000	-0.00967	-0.9150	0.43150
51	1206	0.28003	-0.55279	0.01961	-0.01084	-0.9119	0.35911
52	1207	0.28372	-0.54710	0.01923	-0.01052	-0.9088	0.36170
53	1208	0.28372	-0.54710	0.01887	-0.01032	-0.9057	0.35860
54	1209	0.28234	-0.54923	0.01852	-0.01017	-0.9026	0.35337
55	1210	0.28234	-0.54923	0.01818	-0.00999	-0.8995	0.35027
56	1211	0.37599	-0.42482	0.01786	-0.00759	-0.8964	0.47158

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling

VAR. 2

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OBS	1	2	3	4	5	6	7
57	1212	0.46272	-0.33468	0.017544	-.00587	-0.8933	0.55862
58	1213	0.46272	-0.33468	0.017241	-.00577	-0.8902	0.55552
59	1214	0.55315	-0.25716	0.016949	-.00436	-0.8871	0.62994
60	1215	0.28234	-0.54923	0.016667	-.00915	-0.8840	0.33477
61	1216	0.28234	-0.54923	0.016393	-.00900	-0.8809	0.33167
62	1217	0.28234	-0.54923	0.016129	-.00886	-0.8778	0.32857
63	1218	0.28234	-0.54923	0.015873	-.00872	-0.8747	0.32547
64	1219	0.28234	-0.54923	0.015625	-.00858	-0.8716	0.32237
65	1220	0.28234	-0.54923	0.015385	-.00845	-0.8685	0.31927
66	1221	0.28234	-0.54923	0.015152	-.00832	-0.8654	0.31617
67	1222	0.28234	-0.54923	0.014925	-.00820	-0.8623	0.31307
68	1223	0.28234	-0.54923	0.014706	-.00808	-0.8592	0.30997
69	1224	0.28234	-0.54923	0.014493	-.00796	-0.8561	0.30687
70	1225	0.28234	-0.54923	0.014286	-.00785	-0.8530	0.30377
71	1226	0.28234	-0.54923	0.014085	-.00774	-0.8499	0.30067
72	1227	0.28234	-0.54923	0.013889	-.00763	-0.8468	0.29757
73	1228	0.28234	-0.54923	0.013699	-.00752	-0.8437	0.29447
74	1229	0.28234	-0.54923	0.013514	-.00742	-0.8406	0.29137
75	1230	0.28234	-0.54923	0.013333	-.00732	-0.8375	0.28827
76	1231	0.19945	-0.70017	0.013158	-.00921	-0.8344	0.13423
77	1232	0.19945	-0.70017	0.012987	-.00909	-0.8313	0.13113
78	1233	0.19945	-0.70017	0.012821	-.00898	-0.8282	0.12803
79	1234	0.19945	-0.70017	0.012658	-.00886	-0.8251	0.12493
80	1235	0.19945	-0.70017	0.012500	-.00875	-0.8220	0.12183
81	1236	0.19945	-0.70017	0.012346	-.00864	-0.8189	0.11873
82	1237	0.19945	-0.70017	0.012195	-.00854	-0.8158	0.11563
83	1238	0.19945	-0.70017	0.012048	-.00844	-0.8127	0.11253
84	1239	0.19945	-0.70017	0.011905	-.00834	-0.8096	0.10943
85	1240	0.19945	-0.70017	0.011765	-.00824	-0.8065	0.10633
86	1241	0.19945	-0.70017	0.011628	-.00814	-0.8034	0.10323
87	1242	0.19945	-0.70017	0.011494	-.00805	-0.8003	0.10013
88	1243	0.19945	-0.70017	0.011364	-.00796	-0.7972	0.09703
89	1244	0.19945	-0.70017	0.011236	-.00787	-0.7941	0.09393
90	1245	0.19945	-0.70017	0.011111	-.00778	-0.7910	0.09083
91	1246	0.19945	-0.70017	0.010989	-.00769	-0.7879	0.08773
92	1247	0.19945	-0.70017	0.010870	-.00761	-0.7848	0.08463
93	1248	0.19945	-0.70017	0.010753	-.00753	-0.7817	0.08153
94	1249	0.19945	-0.70017	0.010638	-.00745	-0.7786	0.07843
95	1250	0.19945	-0.70017	0.010526	-.00737	-0.7755	0.07533
96	1251	0.19945	-0.70017	0.010417	-.00729	-0.7724	0.07223
97	1252	0.19945	-0.70017	0.010309	-.00722	-0.7693	0.06913
98	1253	0.19945	-0.70017	0.010204	-.00714	-0.7662	0.06603
99	1254	0.19945	-0.70017	0.010101	-.00707	-0.7631	0.06293
100	1255	0.19945	-0.70017	0.010000	-.00700	-0.7600	0.05983
101	1256	0.19945	-0.70017	0.009901	-.00693	-0.7569	0.05673
102	1257	0.19945	-0.70017	0.009804	-.00686	-0.7538	0.05363
103	1258	0.19945	-0.70017	0.009709	-.00680	-0.7507	0.05053
104	1259	0.19945	-0.70017	0.009615	-.00673	-0.7476	0.04743
105	1260	0.19945	-0.70017	0.009524	-.00667	-0.7445	0.04433
106	1261	0.19945	-0.70017	0.009434	-.00661	-0.7414	0.04123
107	1262	0.19945	-0.70017	0.009346	-.00654	-0.7383	0.03813
108	1263	0.19945	-0.70017	0.009259	-.00648	-0.7352	0.03503
109	1264	0.19945	-0.70017	0.009174	-.00642	-0.7321	0.03193
110	1265	0.19945	-0.70017	0.009091	-.00637	-0.7290	0.02883
111	1266	0.30641	-0.51369	0.009009	-.00463	-0.7259	0.21221
112	1267	0.30641	-0.51369	0.008929	-.00459	-0.7228	0.20911

OBS	1	2	3	4	5	6	7
113	1268	0.30641	-0.51369	.008850	-.00455	-0.7197	0.20601
114	1269	0.30641	-0.51369	.008772	-.00451	-0.7166	0.20291
115	1270	0.30641	-0.51369	.008696	-.00447	-0.7135	0.19981
116	1271	0.30641	-0.51369	.008621	-.00443	-0.7104	0.19671
117	1272	0.30641	-0.51369	.008547	-.00439	-0.7073	0.19361
118	1273	0.30641	-0.51369	.008475	-.00435	-0.7042	0.19051
119	1274	0.30641	-0.51369	.008403	-.00432	-0.7011	0.18741
120	1275	0.30641	-0.51369	.008333	-.00428	-0.6980	0.18431
121	1276	0.30641	-0.51369	.008264	-.00425	-0.6949	0.18121
122	1277	0.30641	-0.51369	.008197	-.00421	-0.6918	0.17811
123	1278	0.30641	-0.51369	.008130	-.00418	-0.6887	0.17501
124	1279	0.30641	-0.51369	.008065	-.00414	-0.6856	0.17191
125	1280	0.30641	-0.51369	.008000	-.00411	-0.6825	0.16881
126	1281	0.30641	-0.51369	.007937	-.00408	-0.6794	0.16571
127	1282	0.30641	-0.51369	.007874	-.00404	-0.6763	0.16261
128	1283	0.30641	-0.51369	.007813	-.00401	-0.6732	0.15951
129	1284	0.30641	-0.51369	.007752	-.00398	-0.6701	0.15641
130	1285	0.30641	-0.51369	.007692	-.00395	-0.6670	0.15331
131	1286	0.30641	-0.51369	.007634	-.00392	-0.6639	0.15021
132	1287	0.30641	-0.51369	.007576	-.00389	-0.6608	0.14711
133	1288	0.30641	-0.51369	.007519	-.00386	-0.6577	0.14401
134	1289	0.30976	-0.50898	.007463	-.00380	-0.6546	0.14562
135	1290	0.31039	-0.50809	.007407	-.00376	-0.6515	0.14341
136	1291	0.32914	-0.48262	.007353	-.00355	-0.6484	0.16578
137	1292	0.32534	-0.48766	.007299	-.00356	-0.6453	0.15764
138	1293	0.32275	-0.49114	.007246	-.00356	-0.6422	0.15106
139	1294	0.27386	-0.56248	.007194	-.00405	-0.6391	0.07662
140	1295	0.22301	-0.65167	.007143	-.00465	-0.6360	-0.01567
141	1296	0.18444	-0.73415	.007092	-.00521	-0.6329	-0.10125
142	1297	0.20755	-0.68288	.007042	-.00481	-0.6298	-0.05308
143	1298	0.22434	-0.64910	.006993	-.00454	-0.6267	-0.02240
144	1299	0.25513	-0.59323	.006944	-.00412	-0.6236	0.03037
145	1300	0.25554	-0.59255	.006897	-.00409	-0.6205	0.02795
146	1301	0.27854	-0.55511	.006849	-.00380	-0.6174	0.06229
147	1302	0.36996	-0.43185	.006803	-.00294	-0.6143	0.18245
148	1303	0.39029	-0.40861	.006757	-.00276	-0.6112	0.20259
149	1304	0.38903	-0.41001	.006711	-.00275	-0.6081	0.19809
150	1305	0.42709	-0.36948	.006667	-.00246	-0.6050	0.23552
151	1306	0.43354	-0.36297	.006623	-.00240	-0.6019	0.23893
152	1307	0.41028	-0.38692	.006579	-.00255	-0.5988	0.21188
153	1308	0.41028	-0.38692	.006536	-.00253	-0.5957	0.20878
154	1309	0.41028	-0.38692	.006494	-.00251	-0.5926	0.20568
155	1310	0.41028	-0.38692	.006452	-.00250	-0.5895	0.20258
156	1311	0.41028	-0.38692	.006410	-.00248	-0.5864	0.19948
157	1312	0.41028	-0.38692	.006369	-.00246	-0.5833	0.19638
158	1313	0.41434	-0.38264	.006329	-.00242	-0.5802	0.19756
159	1314	0.41434	-0.38264	.006289	-.00241	-0.5771	0.19446
160	1315	0.40356	-0.39409	.006250	-.00246	-0.5740	0.17991
161	1316	0.37140	-0.43015	.006211	-.00267	-0.5709	0.14075
162	1317	0.26751	-0.57266	.006173	-.00353	-0.5678	-0.00486
163	1318	0.26751	-0.57266	.006135	-.00351	-0.5647	-0.00796
164	1319	0.26751	-0.57266	.006098	-.00349	-0.5616	-0.01106
165	1320	0.26751	-0.57266	.006061	-.00347	-0.5585	-0.01416
166	1321	0.26751	-0.57266	.006024	-.00345	-0.5554	-0.01726
167	1322	0.26751	-0.57266	.005988	-.00343	-0.5523	-0.02036
168	1323	0.26751	-0.57266	.005952	-.00341	-0.5492	-0.02346

VAR. 4

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling  
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OBS	1	2	3	4	5	6	7
169	1324	0.49774	-0.30300	.005917	-.00179	-0.5461	0.24310
170	1325	0.53009	-0.27565	.005882	-.00162	-0.5430	0.26735
171	1326	0.56455	-0.24830	.005848	-.00145	-0.5399	0.29160
172	1327	0.60124	-0.22095	.005814	-.00128	-0.5368	0.31585
173	1328	0.64032	-0.19360	.005780	-.00112	-0.5337	0.34010
174	1329	0.68195	-0.16625	.005747	-.00096	-0.5306	0.36435
175	1330	0.72627	-0.13890	.005714	-.00079	-0.5275	0.38860
176	1331	0.77348	-0.11155	.005682	-.00063	-0.5244	0.41285
177	1332	0.82544	-0.08331	.005650	-.00047	-0.5213	0.43799
178	1333	0.71614	-0.14500	.005618	-.00081	-0.5182	0.37320
179	1334	0.65459	-0.18403	.005587	-.00103	-0.5151	0.33107
180	1335	0.74978	-0.12507	.005556	-.00069	-0.5120	0.38693
181	1336	0.74834	-0.12590	.005525	-.00070	-0.5089	0.38300
182	1337	0.69320	-0.15914	.005495	-.00087	-0.5058	0.34666
183	1338	0.61698	-0.20973	.005464	-.00115	-0.5027	0.29297
184	1339	0.52810	-0.27729	.005435	-.00151	-0.4996	0.22231
185	1340	0.52810	-0.27729	.005405	-.00150	-0.4965	0.21921
186	1341	0.58177	-0.23525	.005376	-.00126	-0.4934	0.25815
187	1342	0.58177	-0.23525	.005348	-.00126	-0.4903	0.25505
188	1343	0.58177	-0.23525	.005319	-.00125	-0.4872	0.25195
189	1344	0.58177	-0.23525	.005291	-.00124	-0.4841	0.24885
190	1345	0.58177	-0.23525	.005263	-.00124	-0.4810	0.24575
191	1346	0.11923	-0.92360	.005236	-.00484	-0.4779	-0.44570
192	1347	0.11923	-0.92360	.005208	-.00481	-0.4748	-0.44880
193	1348	0.11923	-0.92360	.005181	-.00479	-0.4717	-0.45190
194	1349	0.11923	-0.92360	.005155	-.00476	-0.4686	-0.45500
195	1350	0.11923	-0.92360	.005128	-.00474	-0.4655	-0.45810
196	1351	0.11923	-0.92360	.005102	-.00471	-0.4624	-0.46120
197	1352	0.17448	-0.75827	.005076	-.00385	-0.4593	-0.29897
198	1353	0.19101	-0.71895	.005051	-.00363	-0.4562	-0.26275
199	1354	0.21316	-0.67129	.005025	-.00337	-0.4531	-0.21819
200	1355	0.24945	-0.60302	.005000	-.00302	-0.4500	-0.15302
201	1356	0.26467	-0.57730	.004975	-.00287	-0.4469	-0.13040
202	1357	0.27102	-0.56701	.004950	-.00281	-0.4438	-0.12321
203	1358	0.27102	-0.56701	.004926	-.00279	-0.4407	-0.12631
204	1359	0.27102	-0.56701	.004902	-.00278	-0.4376	-0.12941
205	1360	0.27102	-0.56701	.004878	-.00277	-0.4345	-0.13251
206	1361	0.28970	-0.53805	.004854	-.00261	-0.4314	-0.10665
207	1362	0.18884	-0.72391	.004831	-.00350	-0.4283	-0.29561
208	1363	0.18884	-0.72391	.004808	-.00348	-0.4252	-0.29871
209	1364	0.18884	-0.72391	.004785	-.00346	-0.4221	-0.30181
210	1365	0.18884	-0.72391	.004762	-.00345	-0.4190	-0.30491
211	1366	0.25507	-0.59335	.004739	-.00281	-0.4159	-0.17745
212	1367	0.25507	-0.59335	.004717	-.00280	-0.4128	-0.18055
213	1368	0.32898	-0.48283	.004695	-.00227	-0.4097	-0.07313
214	1369	0.32898	-0.48283	.004673	-.00226	-0.4066	-0.07623
215	1370	0.32898	-0.48283	.004651	-.00225	-0.4035	-0.07933
216	1371	0.32223	-0.49183	.004630	-.00228	-0.4004	-0.09143
217	1372	0.32223	-0.49183	.004608	-.00227	-0.3973	-0.09453
218	1373	0.32223	-0.49183	.004587	-.00226	-0.3942	-0.09763
219	1374	0.32223	-0.49183	.004566	-.00225	-0.3911	-0.10073
220	1375	0.24137	-0.61732	.004545	-.00281	-0.3880	-0.22932
221	1376	0.34491	-0.46229	.004525	-.00209	-0.3849	-0.07739
222	1377	0.34491	-0.46229	.004505	-.00208	-0.3818	-0.08049
223	1378	0.40548	-0.39203	.004484	-.00176	-0.3787	-0.01333
224	1379	0.41022	-0.38698	.004464	-.00173	-0.3756	-0.01138



OBS	1	2	3	4	5	6	7
225	1380	0.41022	-0.38698	.004444	-.00172	-0.3725	-0.01448
226	1381	0.41022	-0.38698	.004425	-.00171	-0.3694	-0.01758
227	1382	0.48313	-0.31593	.004405	-.00139	-0.3663	0.05037
228	1383	0.44138	-0.35518	.004386	-.00156	-0.3632	0.00802
229	1384	0.46700	-0.33069	.004367	-.00144	-0.3601	0.02941
230	1385	0.48409	-0.31508	.004348	-.00137	-0.3570	0.04192
231	1386	0.58156	-0.23540	.004329	-.00102	-0.3539	0.11850
232	1387	0.60634	-0.21729	.004310	-.00094	-0.3508	0.13351
233	1388	0.60634	-0.21729	.004292	-.00093	-0.3477	0.13041
234	1389	0.60634	-0.21729	.004274	-.00093	-0.3446	0.12731
235	1390	0.60634	-0.21729	.004255	-.00092	-0.3415	0.12421
236	1391	0.60634	-0.21729	.004237	-.00092	-0.3384	0.12111
237	1392	0.55109	-0.25878	.004219	-.00109	-0.3353	0.07652
238	1393	0.55109	-0.25878	.004202	-.00109	-0.3322	0.07342
239	1394	0.59214	-0.22757	.004184	-.00095	-0.3291	0.10153
240	1395	0.59905	-0.22254	.004167	-.00093	-0.3260	0.10346
241	1396	0.59172	-0.22789	.004149	-.00095	-0.3229	0.09501
242	1397	0.64323	-0.19164	.004132	-.00079	-0.3198	0.12816
243	1398	0.63841	-0.19490	.004115	-.00080	-0.3167	0.12180
244	1399	0.63841	-0.19490	.004098	-.00080	-0.3136	0.11870
245	1400	0.71461	-0.14593	.004082	-.00060	-0.3105	0.16457
246	1401	0.63328	-0.19841	.004065	-.00081	-0.3074	0.10899
247	1402	0.63328	-0.19841	.004049	-.00080	-0.3043	0.10589
248	1403	0.63328	-0.19841	.004032	-.00080	-0.3012	0.10279
249	1404	0.63328	-0.19841	.004016	-.00080	-0.2981	0.09969
250	1405	0.63328	-0.19841	.004000	-.00079	-0.2950	0.09659
251	1406	0.63328	-0.19841	.003984	-.00079	-0.2919	0.09349
252	1407	0.63328	-0.19841	.003968	-.00079	-0.2888	0.09039
253	1408	0.63328	-0.19841	.003953	-.00078	-0.2857	0.08729
254	1409	0.63328	-0.19841	.003937	-.00078	-0.2826	0.08419
255	1410	0.63328	-0.19841	.003922	-.00078	-0.2795	0.08109
256	1411	0.63328	-0.19841	.003906	-.00078	-0.2764	0.07799
257	1412	0.63870	-0.19471	.003891	-.00076	-0.2733	0.07859
258	1413	0.62054	-0.20723	.003876	-.00080	-0.2702	0.06297
259	1414	0.70892	-0.14940	.003861	-.00058	-0.2671	0.11770
260	1415	0.69078	-0.16066	.003846	-.00062	-0.2640	0.10334
261	1416	0.64973	-0.18727	.003831	-.00072	-0.2609	0.07363
262	1417	0.49859	-0.30225	.003817	-.00115	-0.2578	-0.04445
263	1418	0.49859	-0.30225	.003802	-.00115	-0.2547	-0.04755
264	1419	0.49859	-0.30225	.003788	-.00114	-0.2516	-0.05065
265	1420	0.49859	-0.30225	.003774	-.00114	-0.2485	-0.05375
266	1421	0.49859	-0.30225	.003759	-.00114	-0.2454	-0.05685
267	1422	0.49859	-0.30225	.003745	-.00113	-0.2423	-0.05995
268	1423	0.57037	-0.24384	.003731	-.00091	-0.2392	-0.00464
269	1424	0.52309	-0.28142	.003717	-.00105	-0.2361	-0.04532
270	1425	0.56368	-0.24896	.003704	-.00092	-0.2330	-0.01596
271	1426	0.52229	-0.28209	.003690	-.00104	-0.2299	-0.05219
272	1427	0.51598	-0.28737	.003676	-.00106	-0.2268	-0.06057
273	1428	0.45250	-0.34438	.003663	-.00126	-0.2237	-0.12068
274	1429	0.53597	-0.27086	.003650	-.00099	-0.2206	-0.05026
275	1430	0.51207	-0.29067	.003636	-.00106	-0.2175	-0.07317
276	1431	0.53893	-0.26846	.003623	-.00097	-0.2144	-0.05406
277	1432	0.46441	-0.33310	.003610	-.00120	-0.2113	-0.12180
278	1433	0.45047	-0.34633	.003597	-.00125	-0.2082	-0.13813
279	1434	0.49371	-0.30653	.003584	-.00110	-0.2051	-0.10143
280	1435	0.41336	-0.38367	.003571	-.00137	-0.2020	-0.18167

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling

VAR.6

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OBS	1	2	3	4	5	6	7
281	1436	0.44473	-0.35190	.003559	-.00125	-0.1989	-0.15300
282	1437	0.36645	-0.43599	.003546	-.00155	-0.1958	-0.24019
283	1438	0.42825	-0.36830	.003534	-.00130	-0.1927	-0.17560
284	1439	0.42001	-0.37674	.003521	-.00133	-0.1896	-0.18714
285	1440	0.37721	-0.42342	.003509	-.00149	-0.1865	-0.23692
286	1441	0.40457	-0.39301	.003497	-.00137	-0.1834	-0.20961
287	1442	0.34436	-0.46299	.003484	-.00161	-0.1803	-0.28269
288	1443	0.38537	-0.41412	.003472	-.00144	-0.1772	-0.23692
289	1444	0.41588	-0.38103	.003460	-.00132	-0.1741	-0.20693
290	1445	0.38038	-0.41978	.003448	-.00145	-0.1710	-0.24878
291	1446	0.37646	-0.42428	.003436	-.00146	-0.1679	-0.25638
292	1447	0.43218	-0.36433	.003425	-.00125	-0.1648	-0.19953
293	1448	0.40848	-0.38883	.003413	-.00133	-0.1617	-0.22713
294	1449	0.42897	-0.36757	.003401	-.00125	-0.1586	-0.20897
295	1450	0.41728	-0.37958	.003390	-.00129	-0.1555	-0.22408
296	1451	0.38835	-0.41078	.003378	-.00139	-0.1524	-0.25838
297	1452	0.38511	-0.41442	.003367	-.00140	-0.1493	-0.26512
298	1453	0.37764	-0.42292	.003356	-.00142	-0.1462	-0.27672
299	1454	0.37731	-0.42330	.003344	-.00142	-0.1431	-0.28020
300	1455	0.36761	-0.43462	.003333	-.00145	-0.1400	-0.29462
301	1456	0.36654	-0.43588	.003322	-.00145	-0.1369	-0.29898
302	1457	0.33493	-0.47504	.003311	-.00157	-0.1338	-0.34124
303	1458	0.33493	-0.47504	.003300	-.00157	-0.1307	-0.34434
304	1459	0.33493	-0.47504	.003289	-.00156	-0.1276	-0.34744
305	1460	0.33493	-0.47504	.003279	-.00156	-0.1245	-0.35054
306	1461	0.33493	-0.47504	.003268	-.00155	-0.1214	-0.35364
307	1462	0.34567	-0.46133	.003257	-.00150	-0.1183	-0.34303
308	1463	0.34118	-0.46701	.003247	-.00152	-0.1152	-0.35181
309	1464	0.33705	-0.47231	.003236	-.00153	-0.1121	-0.36021
310	1465	0.38560	-0.41386	.003226	-.00134	-0.1090	-0.30486
311	1466	0.48481	-0.31443	.003215	-.00101	-0.1059	-0.20853
312	1467	0.48455	-0.31466	.003205	-.00101	-0.1028	-0.21186
313	1468	0.48455	-0.31466	.003195	-.00101	-0.0997	-0.21496
314	1469	0.46272	-0.33468	.003185	-.00107	-0.0966	-0.23808
315	1470	0.49631	-0.30424	.003175	-.00097	-0.0935	-0.21074
316	1471	0.46424	-0.33326	.003165	-.00105	-0.0904	-0.24286
317	1472	0.50998	-0.29245	.003155	-.00092	-0.0873	-0.20515
318	1473	0.46155	-0.33578	.003145	-.00106	-0.0842	-0.25158
319	1474	0.46155	-0.33578	.003135	-.00105	-0.0811	-0.25468
320	1475	0.46155	-0.33578	.003125	-.00105	-0.0780	-0.25778
321	1476	0.46155	-0.33578	.003115	-.00105	-0.0749	-0.26088
322	1477	0.46155	-0.33578	.003106	-.00104	-0.0718	-0.26398
323	1478	0.47462	-0.32365	.003096	-.00100	-0.0687	-0.25495
324	1479	0.47462	-0.32365	.003086	-.00100	-0.0656	-0.25805
325	1480	0.47462	-0.32365	.003077	-.00100	-0.0625	-0.26115
326	1481	0.47462	-0.32365	.003067	-.00099	-0.0594	-0.26425
327	1482	0.47462	-0.32365	.003058	-.00099	-0.0563	-0.26735
328	1483	0.47462	-0.32365	.003049	-.00099	-0.0532	-0.27045
329	1484	0.47462	-0.32365	.003040	-.00098	-0.0501	-0.27355
330	1485	0.47462	-0.32365	.003030	-.00098	-0.0470	-0.27665
331	1486	0.47462	-0.32365	.003021	-.00098	-0.0439	-0.27975
332	1487	0.49233	-0.30774	.003012	-.00093	-0.0408	-0.26694
333	1488	0.49233	-0.30774	.003003	-.00092	-0.0377	-0.27004
334	1489	0.49233	-0.30774	.002994	-.00092	-0.0346	-0.27314
335	1490	0.49233	-0.30774	.002985	-.00092	-0.0315	-0.27624
336	1491	0.57115	-0.24325	.002976	-.00072	-0.0284	-0.21485

OBS	1	2	3	4	5	6	7
337	1492	0.57115	-0.24325	.002967	-.00072	-0.0253	-0.21795
338	1493	0.57115	-0.24325	.002959	-.00072	-0.0222	-0.22105
339	1494	0.60716	-0.21670	.002950	-.00064	-0.0191	-0.19760
340	1495	0.57115	-0.24325	.002941	-.00072	-0.0160	-0.22725
341	1496	0.57115	-0.24325	.002933	-.00071	-0.0129	-0.23035
342	1497	0.57115	-0.24325	.002924	-.00071	-0.0098	-0.23345
343	1498	0.57115	-0.24325	.002915	-.00071	-0.0067	-0.23655
344	1499	0.57115	-0.24325	.002907	-.00071	-0.0036	-0.23965
345	1500	0.57115	-0.24325	.002899	-.00071	-0.0005	-0.24275
346	1501	0.57115	-0.24325	.002890	-.00070	0.0026	-0.24585
347	1502	0.57115	-0.24325	.002882	-.00070	0.0057	-0.24895
348	1503	0.59145	-0.22808	.002874	-.00066	0.0088	-0.23688
349	1504	0.58733	-0.23112	.002865	-.00066	0.0119	-0.24302
350	1505	0.58733	-0.23112	.002857	-.00066	0.0150	-0.24612
351	1506	0.58733	-0.23112	.002849	-.00066	0.0181	-0.24922
352	1507	0.58733	-0.23112	.002841	-.00066	0.0212	-0.25232
353	1508	0.58733	-0.23112	.002833	-.00065	0.0243	-0.25542
354	1509	0.58733	-0.23112	.002825	-.00065	0.0274	-0.25852
355	1510	0.80252	-0.09554	.002817	-.00027	0.0305	-0.12604
356	1511	0.80252	-0.09554	.002809	-.00027	0.0336	-0.12914
357	1512	0.80252	-0.09554	.002801	-.00027	0.0367	-0.13224
358	1513	0.80252	-0.09554	.002793	-.00027	0.0398	-0.13534
359	1514	0.80252	-0.09554	.002786	-.00027	0.0429	-0.13844
360	1515	0.80252	-0.09554	.002778	-.00027	0.0460	-0.14154
361	1516	0.79006	-0.10234	.002770	-.00028	0.0491	-0.15144
362	1517	0.79087	-0.10190	.002762	-.00028	0.0522	-0.15410
363	1518	0.77667	-0.10976	.002755	-.00030	0.0553	-0.16506
364	1519	0.79791	-0.09804	.002747	-.00027	0.0584	-0.15644
365	1520	0.80069	-0.09654	.002740	-.00026	0.0615	-0.15804
366	1521	0.90038	-0.04558	.002732	-.00012	0.0646	-0.11018
367	1522	0.68963	-0.16138	.002725	-.00044	0.0677	-0.22908
368	1523	0.78777	-0.10360	.002717	-.00028	0.0708	-0.17440
369	1524	0.85535	-0.06786	.002710	-.00018	0.0739	-0.14176
370	1525	0.85232	-0.06940	.002703	-.00019	0.0770	-0.14640
371	1526	0.83146	-0.08016	.002695	-.00022	0.0801	-0.16026
372	1527	0.87585	-0.05757	.002688	-.00015	0.0832	-0.14077
373	1528	0.85779	-0.06662	.002681	-.00018	0.0863	-0.15292
374	1529	0.82755	-0.08220	.002674	-.00022	0.0894	-0.17160
375	1530	0.79430	-0.10002	.002667	-.00027	0.0925	-0.19252
376	1531	0.79430	-0.10002	.002660	-.00027	0.0956	-0.19562
377	1532	0.79285	-0.10081	.002653	-.00027	0.0987	-0.19951
378	1533	0.78545	-0.10488	.002646	-.00028	0.1018	-0.20668
379	1534	0.81361	-0.08959	.002639	-.00024	0.1049	-0.19449
380	1535	0.78210	-0.10674	.002632	-.00028	0.1080	-0.21474
381	1536	0.67290	-0.17205	.002625	-.00045	0.1111	-0.28315
382	1537	0.68980	-0.16128	.002618	-.00042	0.1142	-0.27548
383	1538	0.68980	-0.16128	.002611	-.00042	0.1173	-0.27858
384	1539	0.78208	-0.10675	.002604	-.00028	0.1204	-0.22715
385	1540	0.78208	-0.10675	.002597	-.00028	0.1235	-0.23025
386	1541	0.78208	-0.10675	.002591	-.00028	0.1266	-0.23335
387	1542	0.81841	-0.08703	.002584	-.00022	0.1297	-0.21673
388	1543	0.69354	-0.15893	.002577	-.00041	0.1328	-0.29173
389	1544	0.75192	-0.12383	.002571	-.00032	0.1359	-0.25973
390	1545	0.75192	-0.12383	.002564	-.00032	0.1390	-0.26283
391	1546	0.80546	-0.09395	.002558	-.00024	0.1421	-0.23605
392	1547	0.80147	-0.09611	.002551	-.00025	0.1452	-0.24131

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling

VAR. 8

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OBS	1	2	3	4	5	6	7
393	1548	0.80147	-0.09611	.002545	-.00024	0.1483	-0.24441
394	1549	0.54912	-0.26033	.002538	-.00066	0.1514	-0.41173
395	1550	0.86600	-0.06248	.002532	-.00016	0.1545	-0.21698
396	1551	0.86600	-0.06248	.002525	-.00016	0.1576	-0.22008
397	1552	0.86600	-0.06248	.002519	-.00016	0.1607	-0.22318
398	1553	0.86600	-0.06248	.002513	-.00016	0.1638	-0.22628
399	1554	0.80000	-0.09691	.002506	-.00024	0.1669	-0.26381
400	1555	0.75300	-0.12321	.002500	-.00031	0.1700	-0.29321
401	1556	0.75000	-0.12494	.002494	-.00031	0.1731	-0.29804
402	1557	0.71500	-0.14569	.002488	-.00036	0.1762	-0.32189
403	1558	0.71500	-0.14569	.002481	-.00036	0.1793	-0.32499
404	1559	0.71500	-0.14569	.002475	-.00036	0.1824	-0.32809
405	1560	0.71500	-0.14569	.002469	-.00036	0.1855	-0.33119
406	1561	0.71500	-0.14569	.002463	-.00036	0.1886	-0.33429
407	1562	0.59600	-0.22475	.002457	-.00055	0.1917	-0.41645
408	1563	0.59600	-0.22475	.002451	-.00055	0.1948	-0.41955
409	1564	0.67900	-0.16813	.002445	-.00041	0.1979	-0.36603
410	1565	0.64800	-0.18842	.002439	-.00046	0.2010	-0.38942
411	1566	0.67100	-0.17328	.002433	-.00042	0.2041	-0.37738
412	1567	0.74900	-0.12552	.002427	-.00030	0.2072	-0.33272
413	1568	0.52200	-0.28233	.002421	-.00068	0.2103	-0.49263
414	1569	0.74700	-0.12668	.002415	-.00031	0.2134	-0.34008
415	1570	0.57100	-0.24336	.002410	-.00059	0.2165	-0.45986
416	1571	0.51500	-0.28819	.002404	-.00069	0.2196	-0.50779
417	1572	0.50900	-0.29328	.002398	-.00070	0.2227	-0.51598
418	1573	0.54900	-0.26043	.002392	-.00062	0.2258	-0.48623
419	1574	0.53000	-0.27572	.002387	-.00066	0.2289	-0.50462
420	1575	0.58400	-0.23359	.002381	-.00056	0.2320	-0.46559
421	1576	0.64200	-0.19246	.002375	-.00046	0.2351	-0.42756
422	1577	0.65900	-0.18111	.002370	-.00043	0.2382	-0.41931
423	1578	0.57300	-0.24185	.002364	-.00057	0.2413	-0.48315
424	1579	0.63400	-0.19791	.002358	-.00047	0.2444	-0.44231
425	1580	0.73400	-0.13430	.002353	-.00032	0.2475	-0.38180
426	1581	0.68300	-0.16558	.002347	-.00039	0.2506	-0.41618
427	1582	0.67300	-0.17198	.002342	-.00040	0.2537	-0.42568
428	1583	0.65100	-0.18642	.002336	-.00044	0.2568	-0.44322
429	1584	0.65100	-0.18642	.002331	-.00043	0.2599	-0.44632
430	1585	0.66600	-0.17653	.002326	-.00041	0.2630	-0.43953
431	1586	0.65600	-0.18310	.002320	-.00042	0.2661	-0.44920
432	1587	0.63900	-0.19450	.002315	-.00045	0.2692	-0.46370
433	1588	0.66500	-0.17718	.002309	-.00041	0.2723	-0.44948
434	1589	0.61500	-0.21112	.002304	-.00049	0.2754	-0.48652
435	1590	0.63200	-0.19928	.002299	-.00046	0.2785	-0.47778
436	1591	0.68600	-0.16368	.002294	-.00038	0.2816	-0.44528
437	1592	0.70800	-0.14997	.002288	-.00034	0.2847	-0.43467
438	1593	0.63400	-0.19791	.002283	-.00045	0.2878	-0.48571
439	1594	0.68600	-0.16368	.002278	-.00037	0.2909	-0.45458
440	1595	0.72700	-0.13847	.002273	-.00031	0.2940	-0.43247
441	1596	0.65800	-0.18177	.002268	-.00041	0.2971	-0.47887
442	1597	0.56000	-0.25181	.002262	-.00057	0.3002	-0.55201
443	1598	0.47600	-0.32239	.002257	-.00073	0.3033	-0.62569
444	1599	0.54100	-0.26680	.002252	-.00060	0.3064	-0.57320
445	1600	0.57100	-0.24336	.002247	-.00055	0.3095	-0.55286
446	1601	0.64400	-0.19111	.002242	-.00043	0.3126	-0.50371
447	1602	0.73800	-0.13194	.002237	-.00030	0.3157	-0.44764
448	1603	0.58900	-0.22988	.002232	-.00051	0.3188	-0.54868

VAR. 9

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OBS	1	2	3	4	5	6	7
449	1604	0.617	-0.20971	.002227	-.00047	0.3219	-0.53161
450	1605	0.593	-0.22695	.002222	-.00050	0.3250	-0.55195
451	1606	0.561	-0.25104	.002217	-.00056	0.3281	-0.57914
452	1607	0.550	-0.25964	.002212	-.00057	0.3312	-0.59084
453	1608	0.580	-0.23657	.002208	-.00052	0.3343	-0.57087
454	1609	0.557	-0.25414	.002203	-.00056	0.3374	-0.59154
455	1610	0.547	-0.26201	.002198	-.00058	0.3405	-0.60251
456	1611	0.587	-0.23136	.002193	-.00051	0.3436	-0.57496
457	1612	0.581	-0.23582	.002188	-.00052	0.3467	-0.58252
458	1613	0.610	-0.21467	.002183	-.00047	0.3498	-0.56447
459	1614	0.622	-0.20621	.002179	-.00045	0.3529	-0.55911
460	1615	0.622	-0.20621	.002174	-.00045	0.3560	-0.56221
461	1616	0.622	-0.20621	.002169	-.00045	0.3591	-0.56531
462	1617	0.622	-0.20621	.002165	-.00045	0.3622	-0.56841
463	1618	0.622	-0.20621	.002160	-.00045	0.3653	-0.57151
464	1619	0.622	-0.20621	.002155	-.00044	0.3684	-0.57461
465	1620	0.751	-0.12436	.002151	-.00027	0.3715	-0.49586
466	1621	0.751	-0.12436	.002146	-.00027	0.3746	-0.49896
467	1622	0.751	-0.12436	.002141	-.00027	0.3777	-0.50206
468	1623	0.751	-0.12436	.002137	-.00027	0.3808	-0.50516
469	1624	0.751	-0.12436	.002132	-.00027	0.3839	-0.50826
470	1625	0.751	-0.12436	.002128	-.00026	0.3870	-0.51136
471	1626	0.751	-0.12436	.002123	-.00026	0.3901	-0.51446
472	1627	0.751	-0.12436	.002119	-.00026	0.3932	-0.51756
473	1628	0.751	-0.12436	.002114	-.00026	0.3963	-0.52066
474	1629	0.751	-0.12436	.002110	-.00026	0.3994	-0.52376
475	1630	0.536	-0.27084	.002105	-.00057	0.4025	-0.67334
476	1631	0.536	-0.27084	.002101	-.00057	0.4056	-0.67644
477	1632	0.536	-0.27084	.002096	-.00057	0.4087	-0.67954
478	1633	0.536	-0.27084	.002092	-.00057	0.4118	-0.68264
479	1634	0.536	-0.27084	.002088	-.00057	0.4149	-0.68574
480	1635	0.536	-0.27084	.002083	-.00056	0.4180	-0.68884
481	1636	0.536	-0.27084	.002079	-.00056	0.4211	-0.69194
482	1637	0.536	-0.27084	.002075	-.00056	0.4242	-0.69504
483	1638	0.536	-0.27084	.002070	-.00056	0.4273	-0.69814
484	1639	0.539	-0.26841	.002066	-.00055	0.4304	-0.69881
485	1640	0.537	-0.27003	.002062	-.00056	0.4335	-0.70353
486	1641	0.513	-0.28988	.002058	-.00060	0.4366	-0.72648
487	1642	0.543	-0.26520	.002053	-.00054	0.4397	-0.70490
488	1643	0.363	-0.44009	.002049	-.00090	0.4428	-0.88289
489	1644	0.122	-0.91364	.002045	-.00187	0.4459	-1.35954
490	1645	0.316	-0.50031	.002041	-.00102	0.4490	-0.94931
491	1646	0.157	-0.80410	.002037	-.00164	0.4521	-1.25620
492	1647	0.193	-0.71444	.002033	-.00145	0.4552	-1.16964
493	1648	0.004	-2.39794	.002028	-.00486	0.4583	-2.85624
494	1649	0.004	-2.39794	.002024	-.00485	0.4614	-2.85934
495	1650	0.004	-2.39794	.002020	-.00484	0.4645	-2.86244
496	1651	0.193	-0.71444	.002016	-.00144	0.4676	-1.18204
497	1652	0.193	-0.71444	.002012	-.00144	0.4707	-1.18514
498	1653	0.193	-0.71444	.002008	-.00143	0.4738	-1.18824
499	1654	0.706	-0.15120	.002004	-.00030	0.4769	-0.62810
500	1655	0.706	-0.15120	.002000	-.00030	0.4800	-0.63120
501	1656	0.706	-0.15120	.001996	-.00030	0.4831	-0.63430
502	1657	0.706	-0.15120	.001992	-.00030	0.4862	-0.63740
503	1658	0.706	-0.15120	.001988	-.00030	0.4893	-0.64050
504	1659	0.706	-0.15120	.001984	-.00030	0.4924	-0.64360

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VAR. 10

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OBS	1	2	3	4	5	6	7
505	1660	0.706	-0.15120	.001980	-.00030	0.4955	-0.64670
506	1661	0.706	-0.15120	.001976	-.00030	0.4986	-0.64980
507	1662	0.706	-0.15120	.001972	-.00030	0.5017	-0.65290
508	1663	0.706	-0.15120	.001969	-.00030	0.5048	-0.65600
509	1664	0.706	-0.15120	.001965	-.00030	0.5079	-0.65910
510	1665	0.706	-0.15120	.001961	-.00030	0.5110	-0.66220
511	1666	0.706	-0.15120	.001957	-.00030	0.5141	-0.66530
512	1667	0.911	-0.04048	.001953	-.00008	0.5172	-0.55768
513	1668	0.706	-0.15120	.001949	-.00029	0.5203	-0.67150
514	1669	0.706	-0.15120	.001946	-.00029	0.5234	-0.67460
515	1670	0.778	-0.10902	.001942	-.00021	0.5265	-0.63552
516	1671	0.890	-0.05061	.001938	-.00010	0.5296	-0.58021
517	1672	0.793	-0.10073	.001934	-.00019	0.5327	-0.63343
518	1673	0.956	-0.01954	.001931	-.00004	0.5358	-0.55534
519	1674	0.635	-0.19723	.001927	-.00038	0.5389	-0.73613
520	1675	1.155	0.06258	.001923	0.00012	0.5420	-0.47942
521	1676	1.122	0.04999	.001919	0.00010	0.5451	-0.49511
522	1677	1.344	0.12840	.001916	0.00025	0.5482	-0.41980
523	1678	1.308	0.11661	.001912	0.00022	0.5513	-0.43469
524	1679	1.061	0.02572	.001908	0.00005	0.5544	-0.52868
525	1680	1.161	0.06483	.001905	0.00012	0.5575	-0.49267
526	1681	1.181	0.07225	.001901	0.00014	0.5606	-0.48835
527	1682	1.364	0.13481	.001898	0.00026	0.5637	-0.42889
528	1683	1.407	0.14829	.001894	0.00028	0.5668	-0.41851
529	1684	1.212	0.08350	.001890	0.00016	0.5699	-0.48640
530	1685	1.370	0.13672	.001887	0.00026	0.5730	-0.43628
531	1686	1.543	0.18837	.001883	0.00035	0.5761	-0.38773
532	1687	1.460	0.16435	.001880	0.00031	0.5792	-0.41485
533	1688	1.400	0.14613	.001876	0.00027	0.5823	-0.43617
534	1689	1.493	0.17406	.001873	0.00033	0.5854	-0.41134
535	1690	1.268	0.10312	.001869	0.00019	0.5885	-0.48538
536	1691	1.309	0.11694	.001866	0.00022	0.5916	-0.47466
537	1692	1.233	0.09096	.001862	0.00017	0.5947	-0.50374
538	1693	1.268	0.10312	.001859	0.00019	0.5978	-0.49468
539	1694	1.197	0.07809	.001855	0.00014	0.6009	-0.52281
540	1695	1.259	0.10003	.001852	0.00019	0.6040	-0.50397
541	1696	1.195	0.07737	.001848	0.00014	0.6071	-0.52973
542	1697	1.068	0.02857	.001845	0.00005	0.6102	-0.58163
543	1698	1.258	0.09968	.001842	0.00018	0.6133	-0.51362
544	1699	1.433	0.15625	.001838	0.00029	0.6164	-0.46015
545	1700	1.428	0.15473	.001835	0.00028	0.6195	-0.46477
546	1701	1.376	0.13862	.001832	0.00025	0.6226	-0.48398
547	1702	1.114	0.04689	.001828	0.00009	0.6257	-0.57881
548	1703	1.610	0.20683	.001825	0.00038	0.6288	-0.42197
549	1704	1.490	0.17319	.001821	0.00032	0.6319	-0.45871
550	1705	1.407	0.14829	.001818	0.00027	0.6350	-0.48671
551	1706	1.484	0.17143	.001815	0.00031	0.6381	-0.46667
552	1707	1.464	0.16554	.001812	0.00030	0.6412	-0.47566
553	1708	1.454	0.16256	.001808	0.00029	0.6443	-0.48174
554	1709	1.428	0.15473	.001805	0.00028	0.6474	-0.49267
555	1710	2.176	0.33766	.001802	0.00061	0.6505	-0.31284
556	1711	1.437	0.15746	.001799	0.00028	0.6536	-0.49614
557	1712	1.439	0.15806	.001795	0.00028	0.6567	-0.49864
558	1713	1.356	0.13226	.001792	0.00024	0.6598	-0.52754
559	1714	1.112	0.04610	.001789	0.00008	0.6629	-0.61680
560	1715	1.189	0.07518	.001786	0.00013	0.6660	-0.59082

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VAR.11

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OBS	1	2	3	4	5	6	7
561	1716	1.086	0.03583	.001783	.00006	0.6691	-0.63327
562	1717	1.655	0.21880	.001779	.00039	0.6722	-0.45340
563	1718	1.631	0.21245	.001776	.00038	0.6753	-0.46285
564	1719	1.477	0.16938	.001773	.00030	0.6784	-0.50902
565	1720	1.477	0.16938	.001770	.00030	0.6815	-0.51212
566	1721	1.145	0.05881	.001767	.00010	0.6846	-0.62579
567	1722	1.396	0.14489	.001764	.00026	0.6877	-0.54281
568	1723	1.379	0.13956	.001761	.00025	0.6908	-0.55124
569	1724	1.603	0.20493	.001757	.00036	0.6939	-0.48897
570	1725	1.663	0.22089	.001754	.00039	0.6970	-0.47611
571	1726	1.515	0.18041	.001751	.00032	0.7001	-0.51969
572	1727	1.593	0.20222	.001748	.00035	0.7032	-0.50098
573	1728	1.462	0.16495	.001745	.00029	0.7063	-0.54135
574	1729	1.585	0.20003	.001742	.00035	0.7094	-0.50937
575	1730	1.546	0.18921	.001739	.00033	0.7125	-0.52329
576	1731	1.861	0.26975	.001736	.00047	0.7156	-0.44585
577	1732	1.861	0.26975	.001733	.00047	0.7187	-0.44895
578	1733	1.628	0.21165	.001730	.00037	0.7218	-0.51015
579	1734	1.837	0.26411	.001727	.00046	0.7249	-0.46079
580	1735	1.760	0.24551	.001724	.00042	0.7280	-0.48249
581	1736	1.547	0.18949	.001721	.00033	0.7311	-0.54161
582	1737	1.686	0.22686	.001718	.00039	0.7342	-0.50734
583	1738	1.351	0.13066	.001715	.00022	0.7373	-0.60664
584	1739	1.784	0.25139	.001712	.00043	0.7404	-0.48901
585	1740	1.694	0.22891	.001709	.00039	0.7435	-0.51459
586	1741	1.546	0.18921	.001706	.00032	0.7466	-0.55739
587	1742	1.784	0.25139	.001704	.00043	0.7497	-0.49831
588	1743	1.890	0.27646	.001701	.00047	0.7528	-0.47634
589	1744	1.872	0.27231	.001698	.00046	0.7559	-0.48359
590	1745	1.735	0.23930	.001695	.00041	0.7590	-0.51970
591	1746	1.917	0.28262	.001692	.00048	0.7621	-0.47948
592	1747	1.843	0.26553	.001689	.00045	0.7652	-0.49967
593	1748	2.004	0.30190	.001686	.00051	0.7683	-0.46640
594	1749	1.154	0.06221	.001684	.00010	0.7714	-0.70919
595	1750	2.876	0.45879	.001681	.00077	0.7745	-0.31571
596	1751	2.273	0.35660	.001678	.00060	0.7776	-0.42100
597	1752	2.550	0.40654	.001675	.00068	0.7807	-0.37416
598	1753	2.516	0.40071	.001672	.00067	0.7838	-0.38309
599	1754	2.724	0.43521	.001669	.00073	0.7869	-0.35169
600	1755	2.757	0.44044	.001667	.00073	0.7900	-0.34956
601	1756	2.774	0.44311	.001664	.00074	0.7931	-0.34999
602	1757	2.752	0.43965	.001661	.00073	0.7962	-0.35655
603	1758	2.720	0.43457	.001658	.00072	0.7993	-0.36473
604	1759	2.637	0.42111	.001656	.00070	0.8024	-0.38129
605	1760	2.717	0.43409	.001653	.00072	0.8055	-0.37141
606	1761	2.395	0.37931	.001650	.00063	0.8086	-0.42929
607	1762	2.584	0.41229	.001647	.00068	0.8117	-0.39941
608	1763	2.736	0.43712	.001645	.00072	0.8148	-0.37768
609	1764	2.618	0.41797	.001642	.00069	0.8179	-0.39993
610	1765	2.757	0.44044	.001639	.00072	0.8210	-0.38056
611	1766	3.055	0.48501	.001637	.00079	0.8241	-0.33909
612	1767	2.850	0.45484	.001634	.00074	0.8272	-0.37236
613	1768	2.667	0.42602	.001631	.00069	0.8303	-0.40428
614	1769	2.898	0.46210	.001629	.00075	0.8334	-0.37130
615	1770	2.977	0.47378	.001626	.00077	0.8365	-0.36272
616	1771	2.823	0.45071	.001623	.00073	0.8396	-0.38889

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VAR. 12

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OBS	1	2	3	4	5	6	7
617	1772	3.159	0.49955	.001621	.00081	0.8427	-0.34315
618	1773	2.852	0.45515	.001618	.00074	0.8458	-0.39065
619	1774	2.458	0.39058	.001616	.00063	0.8489	-0.45832
620	1775	2.619	0.41814	.001613	.00067	0.8520	-0.43386
621	1776	2.652	0.42357	.001610	.00068	0.8551	-0.43153
622	1777	2.770	0.44248	.001608	.00071	0.8582	-0.41572
623	1778	2.515	0.40054	.001605	.00064	0.8613	-0.46076
624	1779	2.675	0.42732	.001603	.00068	0.8644	-0.43708
625	1780	2.926	0.46627	.001600	.00075	0.8675	-0.40123
626	1781	2.610	0.41664	.001597	.00067	0.8706	-0.45396
627	1782	2.546	0.40586	.001595	.00065	0.8737	-0.46784
628	1783	2.570	0.40993	.001592	.00065	0.8768	-0.46687
629	1784	2.685	0.42894	.001590	.00068	0.8799	-0.45096
630	1785	2.885	0.46015	.001587	.00073	0.8830	-0.42285
631	1786	3.309	0.51970	.001585	.00082	0.8861	-0.36640
632	1787	3.204	0.50569	.001582	.00080	0.8892	-0.38351
633	1788	3.352	0.52530	.001580	.00083	0.8923	-0.36700
634	1789	3.405	0.53212	.001577	.00084	0.8954	-0.36328
635	1790	3.193	0.50420	.001575	.00079	0.8985	-0.39430
636	1791	3.470	0.54033	.001572	.00085	0.9016	-0.36127
637	1792	3.809	0.58081	.001570	.00091	0.9047	-0.32389
638	1793	3.202	0.50542	.001567	.00079	0.9078	-0.40238
639	1794	3.351	0.52517	.001565	.00082	0.9109	-0.38573
640	1795	3.440	0.53656	.001563	.00084	0.9140	-0.37744
641	1796	3.061	0.48586	.001560	.00076	0.9171	-0.43124
642	1797	3.240	0.51055	.001558	.00080	0.9202	-0.40965
643	1798	2.820	0.45025	.001555	.00070	0.9233	-0.47305
644	1799	2.862	0.45667	.001553	.00071	0.9264	-0.46973
645	1800	2.522	0.40175	.001550	.00062	0.9295	-0.52775
646	1801	2.328	0.36698	.001548	.00057	0.9326	-0.56562
647	1802	2.627	0.41946	.001546	.00065	0.9357	-0.51624
648	1803	2.914	0.46449	.001543	.00072	0.9388	-0.47431
649	1804	2.993	0.47611	.001541	.00073	0.9419	-0.46579
650	1805	2.742	0.43807	.001538	.00067	0.9450	-0.50693
651	1806	2.855	0.45561	.001536	.00070	0.9481	-0.49249
652	1807	2.426	0.38489	.001534	.00059	0.9512	-0.56631
653	1808	2.330	0.36736	.001531	.00056	0.9543	-0.58694
654	1809	2.508	0.39933	.001529	.00061	0.9574	-0.55807
655	1810	2.006	0.30233	.001527	.00046	0.9605	-0.65817
656	1811	2.384	0.37731	.001524	.00058	0.9636	-0.58629
657	1812	2.373	0.37530	.001522	.00057	0.9667	-0.59140
658	1813	2.324	0.36624	.001520	.00056	0.9698	-0.60356
659	1814	2.611	0.41681	.001517	.00063	0.9729	-0.55609
660	1815	2.941	0.46850	.001515	.00071	0.9760	-0.50750
661	1816	3.348	0.52479	.001513	.00079	0.9791	-0.45431
662	1817	4.120	0.61490	.001511	.00093	0.9822	-0.36730
663	1818	4.066	0.60917	.001508	.00092	0.9853	-0.37613
664	1819	3.315	0.52048	.001506	.00078	0.9884	-0.46792
665	1820	2.990	0.47567	.001504	.00072	0.9915	-0.51583
666	1821	3.373	0.52802	.001502	.00079	0.9946	-0.46658
667	1822	3.278	0.51561	.001499	.00077	0.9977	-0.48209
668	1823	4.213	0.62459	.001497	.00094	1.0008	-0.37621
669	1824	5.005	0.69940	.001495	.00105	1.0039	-0.30450
670	1825	4.358	0.63929	.001493	.00095	1.0070	-0.36771
671	1826	4.603	0.66304	.001490	.00099	1.0101	-0.34706
672	1827	5.555	0.74468	.001488	.00111	1.0132	-0.26852



OBS	1	2	3	4	5	6	7
673	1828	4.931	0.69294	.001486	.00103	1.0163	-0.32336
674	1829	4.434	0.64680	.001484	.00096	1.0194	-0.37260
675	1830	4.444	0.64777	.001481	.00096	1.0225	-0.37473
676	1831	4.300	0.63347	.001479	.00094	1.0256	-0.39213
677	1832	4.323	0.63579	.001477	.00094	1.0287	-0.39291
678	1833	4.065	0.60906	.001475	.00090	1.0318	-0.42274
679	1834	3.989	0.60086	.001473	.00088	1.0349	-0.43404
680	1835	4.228	0.62613	.001471	.00092	1.0380	-0.41187
681	1836	4.054	0.60788	.001468	.00089	1.0411	-0.43322
682	1837	4.790	0.68034	.001466	.00100	1.0442	-0.36386
683	1838	4.790	0.68034	.001464	.00100	1.0473	-0.36696
684	1839	4.790	0.68034	.001462	.00099	1.0504	-0.37006
685	1840	4.790	0.68034	.001460	.00099	1.0535	-0.37316
686	1841	4.790	0.68034	.001458	.00099	1.0566	-0.37626
687	1842	4.790	0.68034	.001456	.00099	1.0597	-0.37936
688	1843	4.790	0.68034	.001453	.00099	1.0628	-0.38246
689	1844	4.790	0.68034	.001451	.00099	1.0659	-0.38556
690	1845	4.790	0.68034	.001449	.00099	1.0690	-0.38866
691	1846	4.790	0.68034	.001447	.00098	1.0721	-0.39176
692	1847	4.790	0.68034	.001445	.00098	1.0752	-0.39486
693	1848	4.790	0.68034	.001443	.00098	1.0783	-0.39796
694	1849	4.790	0.68034	.001441	.00098	1.0814	-0.40106
695	1850	4.790	0.68034	.001439	.00098	1.0845	-0.40416
696	1851	4.790	0.68034	.001437	.00098	1.0876	-0.40726
697	1852	4.790	0.68034	.001435	.00098	1.0907	-0.41036
698	1853	5.800	0.76343	.001433	.00109	1.0938	-0.33037
699	1854	6.000	0.77815	.001431	.00111	1.0969	-0.31875
700	1855	6.000	0.77815	.001429	.00111	1.1000	-0.32185
701	1856	6.200	0.79239	.001427	.00113	1.1031	-0.31071
702	1857	6.600	0.81954	.001425	.00117	1.1062	-0.28666
703	1858	6.900	0.83885	.001422	.00119	1.1093	-0.27045
704	1859	7.100	0.85126	.001420	.00121	1.1124	-0.26114
705	1860	6.700	0.82607	.001418	.00117	1.1155	-0.28943
706	1861	7.400	0.86923	.001416	.00123	1.1186	-0.24937
707	1862	8.500	0.92942	.001414	.00131	1.1217	-0.19228
708	1863	10.000	1.00000	.001412	.00141	1.1248	-0.12480
709	1864	10.100	1.00432	.001410	.00142	1.1279	-0.12358
710	1865	10.000	1.00000	.001408	.00141	1.1310	-0.13100
711	1866	10.000	1.00000	.001406	.00141	1.1341	-0.13410
712	1867	8.700	0.93952	.001404	.00132	1.1372	-0.19768
713	1868	9.300	0.96848	.001403	.00136	1.1403	-0.17182
714	1869	9.800	0.99123	.001401	.00139	1.1434	-0.15217
715	1870	10.200	1.00860	.001399	.00141	1.1465	-0.13790
716	1871	10.900	1.03743	.001397	.00145	1.1496	-0.11217
717	1872	9.600	0.98227	.001395	.00137	1.1527	-0.17043
718	1873	10.000	1.00000	.001393	.00139	1.1558	-0.15580
719	1874	9.900	0.99564	.001391	.00138	1.1589	-0.16326
720	1875	9.600	0.98227	.001389	.00136	1.1620	-0.17973
721	1876	8.500	0.92942	.001387	.00129	1.1651	-0.23568
722	1877	9.500	0.97772	.001385	.00135	1.1682	-0.19048
723	1878	10.100	1.00432	.001383	.00139	1.1713	-0.16698
724	1879	9.500	0.97772	.001381	.00135	1.1744	-0.19668
725	1880	8.900	0.94939	.001379	.00131	1.1775	-0.22811
726	1881	8.600	0.93450	.001377	.00129	1.1806	-0.24610
727	1882	9.200	0.96379	.001376	.00133	1.1837	-0.21991
728	1883	9.300	0.96848	.001374	.00133	1.1868	-0.21832

VAR. 14

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling  
 18:20 Monday, October 3, 1994

OBS	1	2	3	4	5	6	7
729	1884	9.6	0.98227	.001372	0.00135	1.1899	-0.20763
730	1885	9.3	0.96848	.001370	0.00133	1.1930	-0.22452
731	1886	9.3	0.96848	.001368	0.00132	1.1961	-0.22762
732	1887	9.3	0.96848	.001366	0.00132	1.1992	-0.23072
733	1888	9.2	0.96379	.001364	0.00131	1.2023	-0.23851
734	1889	8.9	0.94939	.001362	0.00129	1.2054	-0.25601
735	1890	9.6	0.98227	.001361	0.00134	1.2085	-0.22623
736	1891	9.4	0.97313	.001359	0.00132	1.2116	-0.23847
737	1892	9.3	0.96848	.001357	0.00131	1.2147	-0.24622
738	1893	8.8	0.94448	.001355	0.00128	1.2178	-0.27332
739	1894	8.3	0.91908	.001353	0.00124	1.2209	-0.30182
740	1895	6.6	0.81954	.001351	0.00111	1.2240	-0.40446
741	1896	4.8	0.68124	.001350	0.00092	1.2271	-0.54586
742	1897	4.5	0.65321	.001348	0.00088	1.2302	-0.57699
743	1898	4.6	0.66276	.001346	0.00089	1.2333	-0.57054
744	1899	4.0	0.60206	.001344	0.00081	1.2364	-0.63434
745	1900	4.3	0.63347	.001342	0.00085	1.2395	-0.60603
746	1901	4.6	0.66276	.001340	0.00089	1.2426	-0.57984
747	1902	4.4	0.64345	.001339	0.00086	1.2457	-0.60225
748	1903	4.3	0.63347	.001337	0.00085	1.2488	-0.61533
749	1904	4.1	0.61278	.001335	0.00082	1.2519	-0.63912
750	1905	4.5	0.65321	.001333	0.00087	1.2550	-0.60179
751	1906	4.5	0.65321	.001332	0.00087	1.2581	-0.60489
752	1907	4.4	0.64345	.001330	0.00086	1.2612	-0.61775
753	1908	5.1	0.70757	.001328	0.00094	1.2643	-0.55673
754	1909	5.2	0.71600	.001326	0.00095	1.2674	-0.55140
755	1910	4.8	0.68124	.001325	0.00090	1.2705	-0.58926
756	1911	4.9	0.69020	.001323	0.00091	1.2736	-0.58340
757	1912	5.3	0.72428	.001321	0.00096	1.2767	-0.55242
758	1913	5.3	0.72428	.001319	0.00096	1.2798	-0.55552
759	1914	5.1	0.70757	.001318	0.00093	1.2829	-0.57533
760	1915	5.0	0.69897	.001316	0.00092	1.2860	-0.58703
761	1916	4.7	0.67210	.001314	0.00088	1.2891	-0.61700
762	1917	3.9	0.59106	.001312	0.00078	1.2922	-0.70114
763	1918	4.0	0.60206	.001311	0.00079	1.2953	-0.69324
764	1919	3.3	0.51851	.001309	0.00068	1.2984	-0.77989
765	1920	3.1	0.49136	.001307	0.00064	1.3015	-0.81014
766	1921	0.7	-0.15490	.001305	-.00020	1.3046	-1.45950
767	1922	0.4	-0.39794	.001304	-.00052	1.3077	-1.70564
768	1923	1.0	0.00000	.001302	0.00000	1.3108	-1.31080
769	1924	2.0	0.30103	.001300	0.00039	1.3139	-1.01287
770	1925	2.3	0.36173	.001299	0.00047	1.3170	-0.95527
771	1926	2.3	0.36173	.001297	0.00047	1.3201	-0.95837
772	1927	2.6	0.41497	.001295	0.00054	1.3232	-0.90823
773	1928	2.8	0.44716	.001294	0.00058	1.3263	-0.87914
774	1929	3.3	0.51851	.001292	0.00067	1.3294	-0.81089
775	1930	2.5	0.39794	.001290	0.00051	1.3325	-0.93456
776	1931	0.6	-0.22185	.001289	-.00029	1.3356	-1.55745
777	1932	1.3	0.11394	.001287	0.00015	1.3387	-1.22476
778	1933	1.5	0.17609	.001285	0.00023	1.3418	-1.16571
779	1934	2.0	0.30103	.001284	0.00039	1.3449	-1.04387
780	1935	2.0	0.30103	.001282	0.00039	1.3480	-1.04697
781	1936	2.1	0.32222	.001280	0.00041	1.3511	-1.02888
782	1937	2.0	0.30103	.001279	0.00038	1.3542	-1.05317
783	1938	2.0	0.30103	.001277	0.00038	1.3573	-1.05627
784	1939	1.6	0.20412	.001276	0.00026	1.3604	-1.15628

VAR. 15

Tin Production: 1156-1992  
 Input Variables: Pre-Spectral Modelling  
 18:20 Monday, October 3, 1994

OBS	1	2	3	4	5	6	7
785	1940	1.6	0.20412	.001274	0.00026	1.3635	-1.15938
786	1941	1.5	0.17609	.001272	0.00022	1.3666	-1.19051
787	1942	1.4	0.14613	.001271	0.00019	1.3697	-1.22357
788	1943	1.4	0.14613	.001269	0.00019	1.3728	-1.22667
789	1944	1.2	0.07918	.001267	0.00010	1.3759	-1.29672
790	1945	1.2	0.07918	.001266	0.00010	1.3790	-1.29982
791	1946	0.8	-0.09691	.001264	-.00012	1.3821	-1.47901
792	1947	0.9	-0.04576	.001263	-.00006	1.3852	-1.43096
793	1948	0.9	-0.04576	.001261	-.00006	1.3883	-1.43406
794	1949	0.9	-0.04576	.001259	-.00006	1.3914	-1.43716
795	1950	0.9	-0.04576	.001258	-.00006	1.3945	-1.44026
796	1951	0.8	-0.09691	.001256	-.00012	1.3976	-1.49451
797	1952	0.9	-0.04576	.001255	-.00006	1.4007	-1.44646
798	1953	1.1	0.04139	.001253	0.00005	1.4038	-1.36241
799	1954	0.9	-0.04576	.001252	-.00006	1.4069	-1.45266
800	1955	1.0	0.00000	.001250	0.00000	1.4100	-1.41000
801	1956	1.0	0.00000	.001248	0.00000	1.4131	-1.41310
802	1957	1.0	0.00000	.001247	0.00000	1.4162	-1.41620
803	1958	1.1	0.04139	.001245	0.00005	1.4193	-1.37791
804	1959	1.3	0.11394	.001244	0.00014	1.4224	-1.30846
805	1960	1.2	0.07918	.001242	0.00010	1.4255	-1.34632
806	1961	1.2	0.07918	.001241	0.00010	1.4286	-1.34942
807	1962	1.2	0.07918	.001239	0.00010	1.4317	-1.35252
808	1963	1.2	0.07918	.001238	0.00010	1.4348	-1.35562
809	1964	1.2	0.07918	.001236	0.00010	1.4379	-1.35872
810	1965	1.3	0.11394	.001235	0.00014	1.4410	-1.32706
811	1966	1.3	0.11394	.001233	0.00014	1.4441	-1.33016
812	1967	1.5	0.17609	.001232	0.00022	1.4472	-1.27111
813	1968	1.8	0.25527	.001230	0.00031	1.4503	-1.19503
814	1969	1.6	0.20412	.001229	0.00025	1.4534	-1.24928
815	1970	1.7	0.23045	.001227	0.00028	1.4565	-1.22605
816	1971	1.8	0.25527	.001225	0.00031	1.4596	-1.20433
817	1972	3.3	0.51851	.001224	0.00063	1.4627	-0.94419
818	1973	3.6	0.55630	.001222	0.00068	1.4658	-0.90950
819	1974	3.2	0.50515	.001221	0.00062	1.4689	-0.96375
820	1975	3.3	0.51851	.001220	0.00063	1.4720	-0.95349
821	1976	3.3	0.51851	.001218	0.00063	1.4751	-0.95659
822	1977	3.8	0.57978	.001217	0.00071	1.4782	-0.89842
823	1978	2.8	0.44716	.001215	0.00054	1.4813	-1.03414
824	1979	2.4	0.38021	.001214	0.00046	1.4844	-1.10419
825	1980	3.0	0.47712	.001212	0.00058	1.4875	-1.01038
826	1981	3.9	0.59106	.001211	0.00072	1.4906	-0.89954
827	1982	4.2	0.62325	.001209	0.00075	1.4937	-0.87045
828	1983	4.1	0.61278	.001208	0.00074	1.4968	-0.88402
829	1984	5.0	0.69897	.001206	0.00084	1.4999	-0.80093
830	1985	5.2	0.71600	.001205	0.00086	1.5030	-0.78700
831	1986	4.3	0.63347	.001203	0.00076	1.5061	-0.87263
832	1987	3.6	0.55630	.001202	0.00067	1.5092	-0.95290
833	1988	3.4	0.53148	.001200	0.00064	1.5123	-0.98082
834	1989	4.0	0.60206	.001199	0.00072	1.5154	-0.91334
835	1990	3.4	0.53148	.001198	0.00064	1.5185	-0.98702
836	1991	2.3	0.36173	.001196	0.00043	1.5216	-1.15987
837	1992	2.0	0.30103	.001195	0.00036	1.5247	-1.22367

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
 15:48 Friday, November 11, 1994

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
 15:48 Friday, November 11, 1994

OBS	X1	Y2	Y3
1	1156	-1.11	-0.10
2	1157	-1.10	-0.11
3	1158	-1.10	-0.11
4	1159	-1.09	-0.12
5	1160	-1.09	-0.12
6	1161	-1.08	-0.03
7	1162	-1.08	-0.03
8	1163	-1.07	-0.01
9	1164	-1.07	-0.02
10	1165	-1.06	-0.02
11	1166	-1.05	-0.03
12	1167	-1.05	-0.03
13	1168	-1.04	-0.04
14	1169	-1.04	0.42
15	1170	-1.03	0.41
16	1171	-1.03	0.48
17	1172	-1.02	0.47
18	1173	-1.02	0.47
19	1174	-1.01	0.46
20	1175	-1.00	0.46
21	1176	-1.00	0.45
22	1177	-0.99	0.45
23	1178	-0.99	0.44
24	1179	-0.98	0.44
25	1180	-0.98	0.43
26	1181	-0.97	0.42
27	1182	-0.97	0.42
28	1183	-0.96	0.41
29	1184	-0.95	0.41
30	1185	-0.95	0.40
31	1186	-0.94	0.40
32	1187	-0.94	0.39
33	1188	-0.93	0.39
34	1189	-0.93	0.38
35	1190	-0.92	0.46
36	1191	-0.92	0.46
37	1192	-0.91	0.45
38	1193	-0.90	0.45
39	1194	-0.90	0.44
40	1195	-0.89	0.44
41	1196	-0.89	0.43
42	1197	-0.88	0.42
43	1198	-0.88	0.48
44	1199	-0.87	0.49
45	1200	-0.87	0.44
46	1201	-0.86	0.43
47	1202	-0.85	0.43
48	1203	-0.85	0.42
49	1204	-0.84	0.36
50	1205	-0.84	0.35
51	1206	-0.83	0.28
52	1207	-0.83	0.28
53	1208	-0.82	0.27
54	1209	-0.82	0.27
55	1210	-0.81	0.26
56	1211	-0.80	0.38

OBS	X1	Y2	Y3
57	1212	-0.80	0.46
58	1213	-0.79	0.46
59	1214	-0.79	0.53
60	1215	-0.78	0.23
61	1216	-0.78	0.23
62	1217	-0.77	0.22
63	1218	-0.77	0.22
64	1219	-0.76	0.21
65	1220	-0.75	0.21
66	1221	-0.75	0.20
67	1222	-0.74	0.19
68	1223	-0.74	0.19
69	1224	-0.73	0.18
70	1225	-0.73	0.18
71	1226	-0.72	0.17
72	1227	-0.72	0.17
73	1228	-0.71	0.16
74	1229	-0.70	0.16
75	1230	-0.70	0.15
76	1231	-0.69	-0.01
77	1232	-0.69	-0.01
78	1233	-0.68	-0.02
79	1234	-0.68	-0.02
80	1235	-0.67	-0.03
81	1236	-0.67	-0.03
82	1237	-0.66	-0.04
83	1238	-0.65	-0.05
84	1239	-0.65	-0.05
85	1240	-0.64	-0.06
86	1241	-0.64	-0.06
87	1242	-0.63	-0.07
88	1243	-0.63	-0.07
89	1244	-0.62	-0.08
90	1245	-0.62	-0.08
91	1246	-0.61	-0.09
92	1247	-0.60	-0.10
93	1248	-0.60	-0.10
94	1249	-0.59	-0.11
95	1250	-0.59	-0.11
96	1251	-0.58	-0.12
97	1252	-0.58	-0.12
98	1253	-0.57	-0.13
99	1254	-0.57	-0.13
100	1255	-0.56	-0.14
101	1256	-0.55	-0.15
102	1257	-0.55	-0.15
103	1258	-0.54	-0.16
104	1259	-0.54	-0.16
105	1260	-0.53	-0.17
106	1261	-0.53	-0.17
107	1262	-0.52	-0.18
108	1263	-0.52	-0.18
109	1264	-0.51	-0.19
110	1265	-0.50	-0.20
111	1266	-0.50	-0.01
112	1267	-0.49	-0.02

VAR. 16

Tin (1156-1992): Pre-Spectral Variables 33  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
113	1268	-0.49	-0.03
114	1269	-0.48	-0.03
115	1270	-0.48	-0.04
116	1271	-0.47	-0.04
117	1272	-0.47	-0.05
118	1273	-0.46	-0.05
119	1274	-0.45	-0.06
120	1275	-0.45	-0.06
121	1276	-0.44	-0.07
122	1277	-0.44	-0.08
123	1278	-0.43	-0.08
124	1279	-0.43	-0.09
125	1280	-0.42	-0.09
126	1281	-0.42	-0.10
127	1282	-0.41	-0.10
128	1283	-0.40	-0.11
129	1284	-0.40	-0.11
130	1285	-0.39	-0.12
131	1286	-0.39	-0.13
132	1287	-0.38	-0.13
133	1288	-0.38	-0.14
134	1289	-0.37	-0.14
135	1290	-0.37	-0.14
136	1291	-0.36	-0.12
137	1292	-0.35	-0.13
138	1293	-0.35	-0.14
139	1294	-0.34	-0.22
140	1295	-0.34	-0.31
141	1296	-0.33	-0.40
142	1297	-0.33	-0.36
143	1298	-0.32	-0.33
144	1299	-0.32	-0.28
145	1300	-0.31	-0.28
146	1301	-0.30	-0.25
147	1302	-0.30	-0.13
148	1303	-0.29	-0.12
149	1304	-0.29	-0.12
150	1305	-0.28	-0.09
151	1306	-0.28	-0.09
152	1307	-0.27	-0.12
153	1308	-0.27	-0.12
154	1309	-0.26	-0.13
155	1310	-0.25	-0.13
156	1311	-0.25	-0.14
157	1312	-0.24	-0.14
158	1313	-0.24	-0.14
159	1314	-0.23	-0.15
160	1315	-0.23	-0.17
161	1316	-0.22	-0.21
162	1317	-0.22	-0.36
163	1318	-0.21	-0.36
164	1319	-0.20	-0.37
165	1320	-0.20	-0.37
166	1321	-0.19	-0.38
167	1322	-0.19	-0.39
168	1323	-0.18	-0.39

Tin (1156-1992): Pre-Spectral Variables 3  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
169	1324	-0.18	-0.13
170	1325	-0.17	-0.10
171	1326	-0.17	-0.08
172	1327	-0.16	-0.06
173	1328	-0.15	-0.04
174	1329	-0.15	-0.02
175	1330	-0.14	0.00
176	1331	-0.14	0.03
177	1332	-0.13	0.05
178	1333	-0.13	-0.02
179	1334	-0.12	-0.06
180	1335	-0.12	-0.01
181	1336	-0.11	-0.02
182	1337	-0.10	-0.05
183	1338	-0.10	-0.11
184	1339	-0.09	-0.18
185	1340	-0.09	-0.19
186	1341	-0.08	-0.15
187	1342	-0.08	-0.16
188	1343	-0.07	-0.16
189	1344	-0.07	-0.17
190	1345	-0.06	-0.18
191	1346	-0.05	-0.87
192	1347	-0.05	-0.87
193	1348	-0.04	-0.88
194	1349	-0.04	-0.89
195	1350	-0.03	-0.89
196	1351	-0.03	-0.90
197	1352	-0.02	-0.74
198	1353	-0.02	-0.70
199	1354	-0.01	-0.66
200	1355	0.00	-0.60
201	1356	0.00	-0.58
202	1357	0.01	-0.57
203	1358	0.01	-0.58
204	1359	0.02	-0.58
205	1360	0.02	-0.59
206	1361	0.03	-0.57
207	1362	0.03	-0.76
208	1363	0.04	-0.76
209	1364	0.05	-0.77
210	1365	0.05	-0.78
211	1366	0.06	-0.65
212	1367	0.06	-0.66
213	1368	0.07	-0.55
214	1369	0.07	-0.56
215	1370	0.08	-0.56
216	1371	0.08	-0.58
217	1372	0.09	-0.58
218	1373	0.10	-0.59
219	1374	0.10	-0.59
220	1375	0.11	-0.72
221	1376	0.11	-0.57
222	1377	0.12	-0.58
223	1378	0.12	-0.52
224	1379	0.13	-0.52

VAR. 17

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
225	1380	0.13	-0.52
226	1381	0.14	-0.53
227	1382	0.15	-0.46
228	1383	0.15	-0.51
229	1384	0.16	-0.49
230	1385	0.16	-0.48
231	1386	0.17	-0.40
232	1387	0.17	-0.39
233	1388	0.18	-0.40
234	1389	0.18	-0.40
235	1390	0.19	-0.41
236	1391	0.20	-0.41
237	1392	0.20	-0.46
238	1393	0.21	-0.47
239	1394	0.21	-0.44
240	1395	0.22	-0.44
241	1396	0.22	-0.45
242	1397	0.23	-0.42
243	1398	0.23	-0.43
244	1399	0.24	-0.44
245	1400	0.25	-0.39
246	1401	0.25	-0.45
247	1402	0.26	-0.46
248	1403	0.26	-0.46
249	1404	0.27	-0.47
250	1405	0.27	-0.47
251	1406	0.28	-0.48
252	1407	0.28	-0.48
253	1408	0.29	-0.49
254	1409	0.30	-0.49
255	1410	0.30	-0.50
256	1411	0.31	-0.51
257	1412	0.31	-0.51
258	1413	0.32	-0.53
259	1414	0.32	-0.47
260	1415	0.33	-0.49
261	1416	0.33	-0.52
262	1417	0.34	-0.64
263	1418	0.35	-0.65
264	1419	0.35	-0.65
265	1420	0.36	-0.66
266	1421	0.36	-0.66
267	1422	0.37	-0.67
268	1423	0.37	-0.62
269	1424	0.38	-0.66
270	1425	0.38	-0.63
271	1426	0.39	-0.67
272	1427	0.40	-0.68
273	1428	0.40	-0.75
274	1429	0.41	-0.68
275	1430	0.41	-0.70
276	1431	0.42	-0.69
277	1432	0.42	-0.76
278	1433	0.43	-0.78
279	1434	0.43	-0.74
280	1435	0.44	-0.82

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
281	1436	0.45	-0.80
282	1437	0.45	-0.89
283	1438	0.46	-0.83
284	1439	0.46	-0.84
285	1440	0.47	-0.89
286	1441	0.47	-0.87
287	1442	0.48	-0.94
288	1443	0.48	-0.90
289	1444	0.49	-0.87
290	1445	0.50	-0.92
291	1446	0.50	-0.93
292	1447	0.51	-0.87
293	1448	0.51	-0.90
294	1449	0.52	-0.89
295	1450	0.52	-0.90
296	1451	-0.36	-0.05
297	1452	-0.36	-0.06
298	1453	-0.36	-0.07
299	1454	-0.35	-0.07
300	1455	-0.35	-0.08
301	1456	-0.35	-0.08
302	1457	-0.35	-0.12
303	1458	-0.35	-0.13
304	1459	-0.35	-0.13
305	1460	-0.35	-0.13
306	1461	-0.34	-0.13
307	1462	-0.34	-0.12
308	1463	-0.34	-0.12
309	1464	-0.34	-0.13
310	1465	-0.34	-0.07
311	1466	-0.34	0.02
312	1467	-0.34	0.02
313	1468	-0.34	0.02
314	1469	-0.33	0.00
315	1470	-0.33	0.03
316	1471	-0.33	0.00
317	1472	-0.33	0.04
318	1473	-0.33	-0.01
319	1474	-0.33	-0.01
320	1475	-0.33	-0.01
321	1476	-0.32	-0.01
322	1477	-0.32	-0.01
323	1478	-0.32	0.00
324	1479	-0.32	0.00
325	1480	-0.32	0.00
326	1481	-0.32	-0.01
327	1482	-0.32	-0.01
328	1483	-0.32	-0.01
329	1484	-0.31	-0.01
330	1485	-0.31	-0.01
331	1486	-0.31	-0.01
332	1487	-0.31	0.00
333	1488	-0.31	0.00
334	1489	-0.31	0.00
335	1490	-0.31	0.00
336	1491	-0.30	0.06

VAR. 18

Tin (1156-1992): Pre-Spectral Variables  
Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
337	1492	-0.30	0.06
338	1493	-0.30	0.06
339	1494	-0.30	0.08
340	1495	-0.30	0.06
341	1496	-0.30	0.05
342	1497	-0.30	0.05
343	1498	-0.30	0.05
344	1499	-0.29	0.05
345	1500	-0.29	0.05
346	1501	-0.29	0.05
347	1502	-0.29	0.05
348	1503	-0.29	0.06
349	1504	-0.29	0.06
350	1505	-0.29	0.05
351	1506	-0.28	0.05
352	1507	-0.28	0.05
353	1508	-0.28	0.05
354	1509	-0.28	0.05
355	1510	-0.28	0.18
356	1511	-0.28	0.18
357	1512	-0.28	0.18
358	1513	-0.27	0.18
359	1514	-0.27	0.18
360	1515	-0.27	0.18
361	1516	-0.27	0.17
362	1517	-0.27	0.17
363	1518	-0.27	0.16
364	1519	-0.27	0.17
365	1520	-0.27	0.17
366	1521	-0.26	0.22
367	1522	-0.26	0.10
368	1523	-0.26	0.16
369	1524	-0.26	0.19
370	1525	-0.26	0.19
371	1526	-0.26	0.18
372	1527	-0.26	0.20
373	1528	-0.25	0.19
374	1529	-0.25	0.17
375	1530	-0.25	0.15
376	1531	-0.25	0.15
377	1532	-0.25	0.15
378	1533	-0.25	0.14
379	1534	-0.25	0.16
380	1535	-0.25	0.14
381	1536	-0.24	0.07
382	1537	-0.24	0.08
383	1538	-0.24	0.08
384	1539	-0.24	0.13
385	1540	-0.24	0.13
386	1541	-0.24	0.13
387	1542	-0.24	0.15
388	1543	-0.23	0.08
389	1544	-0.23	0.11
390	1545	-0.23	0.11
391	1546	-0.23	0.14
392	1547	-0.23	0.13

Tin (1156-1992): Pre-Spectral Variables  
Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
393	1548	-0.23	0.13
394	1549	-0.23	-0.03
395	1550	-0.23	0.16
396	1551	-0.22	0.16
397	1552	-0.22	0.16
398	1553	-0.22	0.16
399	1554	-0.22	0.12
400	1555	-0.22	0.10
401	1556	-0.22	0.09
402	1557	-0.22	0.07
403	1558	-0.21	0.07
404	1559	-0.21	0.07
405	1560	-0.21	0.07
406	1561	-0.21	0.06
407	1562	-0.21	-0.02
408	1563	-0.21	-0.02
409	1564	-0.21	0.04
410	1565	-0.21	0.02
411	1566	-0.20	0.03
412	1567	-0.20	0.08
413	1568	-0.20	-0.08
414	1569	-0.20	0.07
415	1570	-0.20	-0.05
416	1571	-0.20	-0.09
417	1572	-0.20	-0.10
418	1573	-0.19	-0.07
419	1574	-0.19	-0.08
420	1575	-0.19	-0.04
421	1576	-0.19	0.00
422	1577	-0.19	0.01
423	1578	-0.19	-0.05
424	1579	-0.19	-0.01
425	1580	-0.18	0.05
426	1581	-0.18	0.02
427	1582	-0.18	0.01
428	1583	-0.18	-0.01
429	1584	-0.18	-0.01
430	1585	-0.18	0.00
431	1586	-0.18	-0.01
432	1587	-0.18	-0.02
433	1588	-0.17	0.00
434	1589	-0.17	-0.04
435	1590	-0.17	-0.03
436	1591	-0.17	0.01
437	1592	-0.17	0.02
438	1593	-0.17	-0.03
439	1594	-0.17	0.00
440	1595	-0.16	0.03
441	1596	-0.16	-0.02
442	1597	-0.16	-0.09
443	1598	-0.16	-0.16
444	1599	-0.16	-0.11
445	1600	-0.16	-0.09
446	1601	-0.16	-0.03
447	1602	-0.16	0.02
448	1603	-0.15	-0.08

VAR. 19

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
449	1604	-0.15	-0.06
450	1605	-0.15	-0.08
451	1606	-0.15	-0.10
452	1607	-0.15	-0.11
453	1608	-0.15	-0.09
454	1609	-0.15	-0.11
455	1610	-0.14	-0.12
456	1611	-0.14	-0.09
457	1612	-0.14	-0.09
458	1613	-0.14	-0.07
459	1614	-0.14	-0.07
460	1615	-0.14	-0.07
461	1616	-0.14	-0.07
462	1617	-0.14	-0.07
463	1618	-0.13	-0.07
464	1619	-0.13	-0.07
465	1620	-0.13	0.01
466	1621	-0.13	0.01
467	1622	-0.13	0.00
468	1623	-0.13	0.00
469	1624	-0.13	0.00
470	1625	-0.12	0.00
471	1626	-0.12	0.00
472	1627	-0.12	0.00
473	1628	-0.12	0.00
474	1629	-0.12	-0.01
475	1630	-0.12	-0.15
476	1631	-0.12	-0.15
477	1632	-0.11	-0.16
478	1633	-0.11	-0.16
479	1634	-0.11	-0.16
480	1635	-0.11	-0.16
481	1636	-0.11	-0.16
482	1637	-0.11	-0.16
483	1638	-0.11	-0.16
484	1639	-0.11	-0.16
485	1640	-0.10	-0.17
486	1641	-0.10	-0.19
487	1642	-0.10	-0.16
488	1643	-0.10	-0.34
489	1644	-0.10	-0.81
490	1645	-0.10	-0.40
491	1646	-0.10	-0.71
492	1647	-0.09	-0.62
493	1648	-0.09	-2.30
494	1649	-0.09	-2.31
495	1650	-0.09	-2.31
496	1651	-0.09	-0.63
497	1652	-0.09	-0.63
498	1653	-0.09	-0.63
499	1654	-0.09	-0.07
500	1655	-0.08	-0.07
501	1656	-0.08	-0.07
502	1657	-0.08	-0.07
503	1658	-0.08	-0.07
504	1659	-0.08	-0.07

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
505	1660	-0.08	-0.07
506	1661	-0.08	-0.08
507	1662	-0.07	-0.08
508	1663	-0.07	-0.08
509	1664	-0.07	-0.08
510	1665	-0.07	-0.08
511	1666	-0.07	-0.08
512	1667	-0.07	0.03
513	1668	-0.07	-0.08
514	1669	-0.07	-0.09
515	1670	-0.06	-0.05
516	1671	-0.06	0.01
517	1672	-0.06	-0.04
518	1673	-0.06	0.04
519	1674	-0.06	-0.14
520	1675	-0.06	0.12
521	1676	-0.06	0.11
522	1677	-0.05	0.18
523	1678	-0.05	0.17
524	1679	-0.05	0.08
525	1680	-0.05	0.12
526	1681	-0.05	0.12
527	1682	-0.05	0.18
528	1683	-0.05	0.19
529	1684	-0.04	0.13
530	1685	-0.04	0.18
531	1686	-0.04	0.23
532	1687	-0.04	0.21
533	1688	-0.04	0.19
534	1689	-0.04	0.21
535	1690	-0.04	0.14
536	1691	-0.04	0.15
537	1692	-0.03	0.13
538	1693	-0.03	0.14
539	1694	-0.03	0.11
540	1695	-0.03	0.13
541	1696	-0.03	0.11
542	1697	-0.03	0.06
543	1698	-0.03	0.13
544	1699	-0.02	0.18
545	1700	-0.02	0.18
546	1701	-0.02	0.16
547	1702	-0.02	0.07
548	1703	-0.02	0.23
549	1704	-0.02	0.19
550	1705	-0.02	0.16
551	1706	-0.02	0.19
552	1707	-0.01	0.18
553	1708	-0.01	0.18
554	1709	-0.01	0.17
555	1710	-0.01	0.35
556	1711	-0.01	0.17
557	1712	-0.01	0.17
558	1713	-0.01	0.14
559	1714	0.00	0.05
560	1715	0.00	0.08

VAR. 20



Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
561	1716	0.00	0.04
562	1717	0.00	0.22
563	1718	0.00	0.21
564	1719	0.00	0.17
565	1720	0.00	0.17
566	1721	0.00	0.05
567	1722	0.01	0.14
568	1723	0.01	0.13
569	1724	0.01	0.20
570	1725	0.01	0.21
571	1726	0.01	0.17
572	1727	0.01	0.19
573	1728	0.01	0.15
574	1729	0.02	0.18
575	1730	0.02	0.17
576	1731	0.02	0.25
577	1732	0.02	0.25
578	1733	0.02	0.19
579	1734	0.02	0.24
580	1735	0.02	0.22
581	1736	0.03	0.16
582	1737	0.03	0.20
583	1738	0.03	0.10
584	1739	0.03	0.22
585	1740	0.03	0.20
586	1741	0.03	0.16
587	1742	0.03	0.22
588	1743	0.03	0.24
589	1744	0.04	0.24
590	1745	0.04	0.20
591	1746	0.04	0.24
592	1747	0.04	0.23
593	1748	0.04	0.26
594	1749	0.04	0.02
595	1750	0.04	0.41
596	1751	0.59	-0.23
597	1752	0.58	-0.18
598	1753	0.58	-0.18
599	1754	0.58	-0.15
600	1755	0.58	-0.14
601	1756	0.58	-0.14
602	1757	0.58	-0.14
603	1758	0.58	-0.15
604	1759	0.58	-0.16
605	1760	0.58	-0.15
606	1761	0.58	-0.20
607	1762	0.58	-0.17
608	1763	0.58	-0.14
609	1764	0.58	-0.16
610	1765	0.58	-0.14
611	1766	0.58	-0.09
612	1767	0.58	-0.12
613	1768	0.58	-0.15
614	1769	0.58	-0.11
615	1770	0.58	-0.10
616	1771	0.58	-0.13

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
617	1772	0.58	-0.08
618	1773	0.57	-0.12
619	1774	0.57	-0.18
620	1775	0.57	-0.16
621	1776	0.57	-0.15
622	1777	0.57	-0.13
623	1778	0.57	-0.17
624	1779	0.57	-0.14
625	1780	0.57	-0.11
626	1781	0.57	-0.15
627	1782	0.57	-0.16
628	1783	0.57	-0.16
629	1784	0.57	-0.14
630	1785	0.57	-0.11
631	1786	0.57	-0.05
632	1787	0.57	-0.06
633	1788	0.57	-0.04
634	1789	0.57	-0.04
635	1790	0.57	-0.06
636	1791	0.57	-0.03
637	1792	0.57	0.02
638	1793	0.57	-0.06
639	1794	0.56	-0.04
640	1795	0.56	-0.03
641	1796	0.56	-0.08
642	1797	0.56	-0.05
643	1798	0.56	-0.11
644	1799	0.56	-0.11
645	1800	0.56	-0.16
646	1801	0.56	-0.19
647	1802	0.56	-0.14
648	1803	0.56	-0.10
649	1804	0.56	-0.08
650	1805	0.56	-0.12
651	1806	0.56	-0.10
652	1807	0.56	-0.17
653	1808	0.56	-0.19
654	1809	0.56	-0.16
655	1810	0.56	-0.25
656	1811	0.56	-0.18
657	1812	0.56	-0.18
658	1813	0.56	-0.19
659	1814	0.56	-0.14
660	1815	0.55	-0.09
661	1816	0.55	-0.03
662	1817	0.55	0.06
663	1818	0.55	0.06
664	1819	0.55	-0.03
665	1820	0.55	-0.08
666	1821	0.55	-0.02
667	1822	0.55	-0.04
668	1823	0.55	0.07
669	1824	0.55	0.15
670	1825	0.55	0.09
671	1826	0.55	0.11
672	1827	0.55	0.20

VPR. 21

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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41

OBS	X1	Y2	Y3
673	1828	0.55	0.14
674	1829	0.55	0.10
675	1830	0.55	0.10
676	1831	0.55	0.09
677	1832	0.55	0.09
678	1833	0.55	0.06
679	1834	0.55	0.06
680	1835	0.55	0.08
681	1836	0.54	0.06
682	1837	0.54	0.14
683	1838	0.54	0.14
684	1839	0.54	0.14
685	1840	0.54	0.14
686	1841	0.54	0.14
687	1842	0.54	0.14
688	1843	0.54	0.14
689	1844	0.54	0.14
690	1845	0.54	0.14
691	1846	0.54	0.14
692	1847	0.54	0.14
693	1848	0.54	0.14
694	1849	0.54	0.14
695	1850	0.54	0.14
696	1851	0.54	0.14
697	1852	0.54	0.14
698	1853	0.54	0.23
699	1854	0.54	0.24
700	1855	0.54	0.24
701	1856	0.54	0.26
702	1857	0.53	0.28
703	1858	0.53	0.30
704	1859	0.53	0.32
705	1860	0.53	0.29
706	1861	0.53	0.34
707	1862	0.53	0.40
708	1863	0.53	0.47
709	1864	0.53	0.47
710	1865	0.53	0.47
711	1866	0.53	0.47
712	1867	0.53	0.41
713	1868	0.53	0.44
714	1869	0.53	0.46
715	1870	0.53	0.48
716	1871	0.53	0.51
717	1872	0.53	0.45
718	1873	0.53	0.47
719	1874	0.53	0.47
720	1875	0.53	0.46
721	1876	0.53	0.40
722	1877	0.53	0.45
723	1878	0.52	0.48
724	1879	0.52	0.45
725	1880	0.52	0.43
726	1881	0.52	0.41
727	1882	0.52	0.44
728	1883	0.52	0.45

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
729	1884	0.52	0.46
730	1885	0.52	0.45
731	1886	0.52	0.45
732	1887	0.52	0.45
733	1888	0.52	0.44
734	1889	0.52	0.43
735	1890	0.52	0.46
736	1891	0.52	0.45
737	1892	0.52	0.45
738	1893	0.52	0.43
739	1894	0.52	0.40
740	1895	0.52	0.30
741	1896	0.52	0.17
742	1897	0.52	0.14
743	1898	0.52	0.15
744	1899	0.51	0.09
745	1900	0.51	0.12
746	1901	0.51	0.15
747	1902	0.51	0.13
748	1903	0.51	0.12
749	1904	0.51	0.10
750	1905	0.51	0.14
751	1906	0.51	0.14
752	1907	0.51	0.13
753	1908	0.51	0.20
754	1909	0.51	0.21
755	1910	0.51	0.17
756	1911	0.51	0.18
757	1912	0.51	0.22
758	1913	0.51	0.22
759	1914	0.51	0.20
760	1915	0.51	0.19
761	1916	0.51	0.17
762	1917	0.51	0.08
763	1918	0.51	0.10
764	1919	0.51	0.01
765	1920	0.50	-0.01
766	1921	0.50	-0.66
767	1922	0.50	-0.90
768	1923	0.50	-0.50
769	1924	0.50	-0.20
770	1925	0.50	-0.14
771	1926	0.50	-0.14
772	1927	0.50	-0.09
773	1928	0.50	-0.05
774	1929	0.50	0.02
775	1930	0.50	-0.10
776	1931	0.50	-0.72
777	1932	0.50	-0.39
778	1933	0.50	-0.32
779	1934	0.50	-0.20
780	1935	0.50	-0.20
781	1936	0.50	-0.17
782	1937	0.50	-0.20
783	1938	0.50	-0.20
784	1939	0.50	-0.29

VAR. 29

Tin (1156-1992): Pre-Spectral Variables 45  
Heteroscedasticity Reduced:300-yr step Model  
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OBS	X1	Y2	Y3
785	1940	0.50	-0.29
786	1941	0.49	-0.32
787	1942	0.49	-0.35
788	1943	0.49	-0.35
789	1944	0.49	-0.41
790	1945	0.49	-0.41
791	1946	0.49	-0.59
792	1947	0.49	-0.54
793	1948	0.49	-0.54
794	1949	0.49	-0.54
795	1950	0.49	-0.54
796	1951	0.49	-0.59
797	1952	0.49	-0.54
798	1953	0.49	-0.45
799	1954	0.49	-0.53
800	1955	0.49	-0.49
801	1956	0.49	-0.49
802	1957	0.49	-0.49
803	1958	0.49	-0.45
804	1959	0.49	-0.37
805	1960	0.49	-0.41
806	1961	0.49	-0.41
807	1962	0.48	-0.41
808	1963	0.48	-0.40
809	1964	0.48	-0.40
810	1965	0.48	-0.37
811	1966	0.48	-0.37
812	1967	0.48	-0.31
813	1968	0.48	-0.23
814	1969	0.48	-0.28
815	1970	0.48	-0.25
816	1971	0.48	-0.23
817	1972	0.48	0.04
818	1973	0.48	0.08
819	1974	0.48	0.03
820	1975	0.48	0.04
821	1976	0.48	0.04
822	1977	0.48	0.10
823	1978	0.48	-0.03
824	1979	0.48	-0.10
825	1980	0.48	0.00
826	1981	0.48	0.12
827	1982	0.48	0.15
828	1983	0.47	0.14
829	1984	0.47	0.22
830	1985	0.47	0.24
831	1986	0.47	0.16
832	1987	0.47	0.08
833	1988	0.47	0.06
834	1989	0.47	0.13
835	1990	0.47	0.06
836	1991	0.47	-0.11
837	1992	0.47	-0.17

VAR. 23

OBS	X1	Y2	Y3
1	1156	-1.17	-0.04
2	1157	-1.16	-0.05
3	1158	-1.15	-0.06
4	1159	-1.14	-0.07
5	1160	-1.13	-0.08
6	1161	-1.12	0.01
7	1162	-1.11	0.00
8	1163	-1.10	0.02
9	1164	-1.09	0.01
10	1165	-1.08	0.00
11	1166	-1.08	-0.01
12	1167	-1.07	-0.01
13	1168	-1.06	-0.02
14	1169	-1.05	0.43
15	1170	-1.04	0.42
16	1171	-1.03	0.48
17	1172	-1.02	0.47
18	1173	-1.01	0.46
19	1174	-1.00	0.45
20	1175	-0.99	0.45
21	1176	-0.98	0.44
22	1177	-0.97	0.43
23	1178	-0.96	0.42
24	1179	-0.96	0.41
25	1180	-0.95	0.40
26	1181	-0.94	0.39
27	1182	-0.93	0.38
28	1183	-0.92	0.37
29	1184	-0.91	0.36
30	1185	-0.90	0.35
31	1186	-0.89	0.34
32	1187	-0.88	0.34
33	1188	-0.87	0.33
34	1189	-0.86	0.32
35	1190	-0.85	0.40
36	1191	-0.85	0.39
37	1192	-0.84	0.38
38	1193	-0.83	0.37
39	1194	-0.82	0.36
40	1195	-0.81	0.35
41	1196	-0.80	0.34
42	1197	-0.79	0.33
43	1198	-0.78	0.38
44	1199	-0.77	0.39
45	1200	-0.76	0.33
46	1201	-0.75	0.32
47	1202	-0.74	0.32
48	1203	-0.73	0.31
49	1204	-0.73	0.24
50	1205	-0.72	0.23
51	1206	-0.71	0.15
52	1207	-0.70	0.15
53	1208	-0.69	0.14
54	1209	-0.68	0.13
55	1210	-0.67	0.12
56	1211	-0.66	0.24

OBS	X1	Y2	Y3
57	1212	-0.65	0.32
58	1213	-0.64	0.31
59	1214	-0.63	0.38
60	1215	-0.62	0.07
61	1216	-0.61	0.07
62	1217	-0.61	0.06
63	1218	-0.60	0.05
64	1219	-0.59	0.04
65	1220	-0.58	0.03
66	1221	-0.57	0.02
67	1222	-0.56	0.01
68	1223	-0.55	0.00
69	1224	-0.54	-0.01
70	1225	-0.53	-0.02
71	1226	-0.52	-0.03
72	1227	-0.51	-0.04
73	1228	-0.50	-0.04
74	1229	-0.50	-0.05
75	1230	-0.49	-0.06
76	1231	-0.48	-0.22
77	1232	-0.47	-0.23
78	1233	-0.46	-0.24
79	1234	-0.45	-0.25
80	1235	-0.44	-0.26
81	1236	-0.43	-0.27
82	1237	-0.42	-0.28
83	1238	-0.41	-0.29
84	1239	-0.40	-0.30
85	1240	-0.39	-0.31
86	1241	-0.38	-0.32
87	1242	-0.38	-0.32
88	1243	-0.37	-0.33
89	1244	-0.36	-0.34
90	1245	-0.35	-0.35
91	1246	-0.34	-0.36
92	1247	-0.33	-0.37
93	1248	-0.32	-0.38
94	1249	-0.31	-0.39
95	1250	-0.30	-0.40
96	1251	-0.29	-0.41
97	1252	-0.28	-0.42
98	1253	-0.27	-0.43
99	1254	-0.26	-0.44
100	1255	-0.26	-0.44
101	1256	-0.25	-0.45
102	1257	-0.24	-0.46
103	1258	-0.23	-0.47
104	1259	-0.22	-0.48
105	1260	-0.21	-0.49
106	1261	-0.20	-0.50
107	1262	-0.19	-0.51
108	1263	-0.18	-0.52
109	1264	-0.17	-0.53
110	1265	-0.16	-0.54
111	1266	-0.15	-0.36
112	1267	-0.15	-0.37

VAR. 24

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:150-yr step Model  
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OBS	X1	Y2	Y3
113	1268	-0.14	-0.38
114	1269	-0.13	-0.39
115	1270	-0.12	-0.40
116	1271	-0.11	-0.41
117	1272	-0.10	-0.41
118	1273	-0.09	-0.42
119	1274	-0.08	-0.43
120	1275	-0.07	-0.44
121	1276	-0.06	-0.45
122	1277	-0.05	-0.46
123	1278	-0.04	-0.47
124	1279	-0.03	-0.48
125	1280	-0.03	-0.49
126	1281	-0.02	-0.50
127	1282	-0.01	-0.51
128	1283	0.00	-0.52
129	1284	0.01	-0.53
130	1285	0.02	-0.53
131	1286	0.03	-0.54
132	1287	0.04	-0.55
133	1288	0.05	-0.56
134	1289	0.06	-0.57
135	1290	0.07	-0.57
136	1291	0.08	-0.56
137	1292	0.09	-0.57
138	1293	0.09	-0.59
139	1294	0.10	-0.67
140	1295	0.11	-0.76
141	1296	0.12	-0.86
142	1297	0.13	-0.81
143	1298	0.14	-0.79
144	1299	0.15	-0.74
145	1300	0.16	-0.75
146	1301	-0.45	-0.11
147	1302	-0.45	0.01
148	1303	-0.44	0.04
149	1304	-0.44	0.03
150	1305	-0.44	0.07
151	1306	-0.44	0.08
152	1307	-0.44	0.05
153	1308	-0.44	0.05
154	1309	-0.44	0.05
155	1310	-0.44	0.05
156	1311	-0.44	0.05
157	1312	-0.44	0.05
158	1313	-0.44	0.05
159	1314	-0.43	0.05
160	1315	-0.43	0.04
161	1316	-0.43	0.00
162	1317	-0.43	-0.14
163	1318	-0.43	-0.14
164	1319	-0.43	-0.14
165	1320	-0.43	-0.14
166	1321	-0.43	-0.14
167	1322	-0.43	-0.14
168	1323	-0.43	-0.15

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:150-yr step Model  
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OBS	X1	Y2	Y3
169	1324	-0.43	0.12
170	1325	-0.43	0.15
171	1326	-0.42	0.18
172	1327	-0.42	0.20
173	1328	-0.42	0.23
174	1329	-0.42	0.26
175	1330	-0.42	0.28
176	1331	-0.42	0.31
177	1332	-0.42	0.34
178	1333	-0.42	0.27
179	1334	-0.42	0.23
180	1335	-0.42	0.29
181	1336	-0.42	0.29
182	1337	-0.42	0.26
183	1338	-0.41	0.20
184	1339	-0.41	0.14
185	1340	-0.41	0.14
186	1341	-0.41	0.18
187	1342	-0.41	0.18
188	1343	-0.41	0.17
189	1344	-0.41	0.17
190	1345	-0.41	0.17
191	1346	-0.41	-0.52
192	1347	-0.41	-0.52
193	1348	-0.41	-0.52
194	1349	-0.40	-0.52
195	1350	-0.40	-0.52
196	1351	-0.40	-0.52
197	1352	-0.40	-0.36
198	1353	-0.40	-0.32
199	1354	-0.40	-0.27
200	1355	-0.40	-0.20
201	1356	-0.40	-0.18
202	1357	-0.40	-0.17
203	1358	-0.40	-0.17
204	1359	-0.40	-0.17
205	1360	-0.40	-0.17
206	1361	-0.39	-0.14
207	1362	-0.39	-0.33
208	1363	-0.39	-0.33
209	1364	-0.39	-0.33
210	1365	-0.39	-0.33
211	1366	-0.39	-0.20
212	1367	-0.39	-0.20
213	1368	-0.39	-0.09
214	1369	-0.39	-0.10
215	1370	-0.39	-0.10
216	1371	-0.39	-0.11
217	1372	-0.38	-0.11
218	1373	-0.38	-0.11
219	1374	-0.38	-0.11
220	1375	-0.38	-0.24
221	1376	-0.38	-0.08
222	1377	-0.38	-0.08
223	1378	-0.38	-0.01
224	1379	-0.38	-0.01

VAR.25

Tin (1156-1992): Pre-Spectral Variables  
 Heteroscedasticity Reduced:150-yr step Model  
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OBS	X1	Y2	Y3
225	1380	-0.38	-0.01
226	1381	-0.38	-0.01
227	1382	-0.38	0.06
228	1383	-0.38	0.02
229	1384	-0.37	0.04
230	1385	-0.37	0.06
231	1386	-0.37	0.14
232	1387	-0.37	0.15
233	1388	-0.37	0.15
234	1389	-0.37	0.15
235	1390	-0.37	0.15
236	1391	-0.37	0.15
237	1392	-0.37	0.11
238	1393	-0.37	0.11
239	1394	-0.37	0.14
240	1395	-0.36	0.14
241	1396	-0.36	0.14
242	1397	-0.36	0.17
243	1398	-0.36	0.17
244	1399	-0.36	0.17
245	1400	-0.36	0.21
246	1401	-0.36	0.16
247	1402	-0.36	0.16
248	1403	-0.36	0.16
249	1404	-0.36	0.16
250	1405	-0.36	0.16
251	1406	-0.36	0.16
252	1407	-0.35	0.16
253	1408	-0.35	0.15
254	1409	-0.35	0.15
255	1410	-0.35	0.15
256	1411	-0.35	0.15
257	1412	-0.35	0.16
258	1413	-0.35	0.14
259	1414	-0.35	0.20
260	1415	-0.35	0.19
261	1416	-0.35	0.16
262	1417	-0.35	0.04
263	1418	-0.34	0.04
264	1419	-0.34	0.04
265	1420	-0.34	0.04
266	1421	-0.34	0.04
267	1422	-0.34	0.04
268	1423	-0.34	0.10
269	1424	-0.34	0.06
270	1425	-0.34	0.09
271	1426	-0.34	0.06
272	1427	-0.34	0.05
273	1428	-0.34	-0.01
274	1429	-0.34	0.06
275	1430	-0.33	0.04
276	1431	-0.33	0.06
277	1432	-0.33	0.00
278	1433	-0.33	-0.01
279	1434	-0.33	0.02
280	1435	-0.33	-0.05

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OBS	X1	Y2	Y3
281	1436	-0.33	-0.02
282	1437	-0.33	-0.11
283	1438	-0.33	-0.04
284	1439	-0.33	-0.05
285	1440	-0.33	-0.10
286	1441	-0.32	-0.07
287	1442	-0.32	-0.14
288	1443	-0.32	-0.09
289	1444	-0.32	-0.06
290	1445	-0.32	-0.10
291	1446	-0.32	-0.10
292	1447	-0.32	-0.04
293	1448	-0.32	-0.07
294	1449	-0.32	-0.05
295	1450	-0.32	-0.06
296	1451	-0.37	-0.04
297	1452	-0.37	-0.05
298	1453	-0.37	-0.06
299	1454	-0.37	-0.06
300	1455	-0.36	-0.07
301	1456	-0.36	-0.07
302	1457	-0.36	-0.12
303	1458	-0.36	-0.12
304	1459	-0.36	-0.12
305	1460	-0.35	-0.12
306	1461	-0.35	-0.12
307	1462	-0.35	-0.11
308	1463	-0.35	-0.12
309	1464	-0.35	-0.13
310	1465	-0.34	-0.07
311	1466	-0.34	0.03
312	1467	-0.34	0.03
313	1468	-0.34	0.02
314	1469	-0.34	0.00
315	1470	-0.33	0.03
316	1471	-0.33	0.00
317	1472	-0.33	0.04
318	1473	-0.33	-0.01
319	1474	-0.33	-0.01
320	1475	-0.32	-0.01
321	1476	-0.32	-0.01
322	1477	-0.32	-0.01
323	1478	-0.32	0.00
324	1479	-0.32	-0.01
325	1480	-0.32	-0.01
326	1481	-0.31	-0.01
327	1482	-0.31	-0.01
328	1483	-0.31	-0.01
329	1484	-0.31	-0.02
330	1485	-0.31	-0.02
331	1486	-0.30	-0.02
332	1487	-0.30	-0.01
333	1488	-0.30	-0.01
334	1489	-0.30	-0.01
335	1490	-0.30	-0.01
336	1491	-0.29	0.05

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OBS	X1	Y2	Y3
337	1492	-0.29	0.05
338	1493	-0.29	0.05
339	1494	-0.29	0.07
340	1495	-0.29	0.04
341	1496	-0.28	0.04
342	1497	-0.28	0.04
343	1498	-0.28	0.04
344	1499	-0.28	0.04
345	1500	-0.28	0.03
346	1501	-0.27	0.03
347	1502	-0.27	0.03
348	1503	-0.27	0.04
349	1504	-0.27	0.04
350	1505	-0.27	0.04
351	1506	-0.27	0.03
352	1507	-0.26	0.03
353	1508	-0.26	0.03
354	1509	-0.26	0.03
355	1510	-0.26	0.16
356	1511	-0.26	0.16
357	1512	-0.25	0.16
358	1513	-0.25	0.16
359	1514	-0.25	0.15
360	1515	-0.25	0.15
361	1516	-0.25	0.14
362	1517	-0.24	0.14
363	1518	-0.24	0.13
364	1519	-0.24	0.14
365	1520	-0.24	0.14
366	1521	-0.24	0.19
367	1522	-0.23	0.07
368	1523	-0.23	0.13
369	1524	-0.23	0.16
370	1525	-0.23	0.16
371	1526	-0.23	0.15
372	1527	-0.22	0.17
373	1528	-0.22	0.16
374	1529	-0.22	0.14
375	1530	-0.22	0.12
376	1531	-0.22	0.12
377	1532	-0.22	0.11
378	1533	-0.21	0.11
379	1534	-0.21	0.12
380	1535	-0.21	0.10
381	1536	-0.21	0.04
382	1537	-0.21	0.04
383	1538	-0.20	0.04
384	1539	-0.20	0.10
385	1540	-0.20	0.09
386	1541	-0.20	0.09
387	1542	-0.20	0.11
388	1543	-0.19	0.04
389	1544	-0.19	0.07
390	1545	-0.19	0.07
391	1546	-0.19	0.09
392	1547	-0.19	0.09

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OBS	X1	Y2	Y3
393	1548	-0.18	0.09
394	1549	-0.18	-0.08
395	1550	-0.18	0.12
396	1551	-0.18	0.12
397	1552	-0.18	0.11
398	1553	-0.17	0.11
399	1554	-0.17	0.08
400	1555	-0.17	0.05
401	1556	-0.17	0.04
402	1557	-0.17	0.02
403	1558	-0.17	0.02
404	1559	-0.16	0.02
405	1560	-0.16	0.02
406	1561	-0.16	0.01
407	1562	-0.16	-0.07
408	1563	-0.16	-0.07
409	1564	-0.15	-0.01
410	1565	-0.15	-0.04
411	1566	-0.15	-0.02
412	1567	-0.15	0.02
413	1568	-0.15	-0.14
414	1569	-0.14	0.02
415	1570	-0.14	-0.10
416	1571	-0.14	-0.15
417	1572	-0.14	-0.15
418	1573	-0.14	-0.12
419	1574	-0.13	-0.14
420	1575	-0.13	-0.10
421	1576	-0.13	-0.06
422	1577	-0.13	-0.05
423	1578	-0.13	-0.12
424	1579	-0.12	-0.07
425	1580	-0.12	-0.01
426	1581	-0.12	-0.04
427	1582	-0.12	-0.05
428	1583	-0.12	-0.07
429	1584	-0.12	-0.07
430	1585	-0.11	-0.06
431	1586	-0.11	-0.07
432	1587	-0.11	-0.09
433	1588	-0.11	-0.07
434	1589	-0.11	-0.11
435	1590	-0.10	-0.10
436	1591	-0.10	-0.06
437	1592	-0.10	-0.05
438	1593	-0.10	-0.10
439	1594	-0.10	-0.07
440	1595	-0.09	-0.04
441	1596	-0.09	-0.09
442	1597	-0.09	-0.16
443	1598	-0.09	-0.23
444	1599	-0.09	-0.18
445	1600	-0.08	-0.16
446	1601	-0.46	0.27
447	1602	-0.45	0.32
448	1603	-0.45	0.22

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OBS	X1	Y2	Y3
449	1604	-0.44	0.23
450	1605	-0.44	0.21
451	1606	-0.43	0.18
452	1607	-0.43	0.17
453	1608	-0.42	0.19
454	1609	-0.42	0.16
455	1610	-0.41	0.15
456	1611	-0.41	0.18
457	1612	-0.40	0.17
458	1613	-0.40	0.18
459	1614	-0.39	0.19
460	1615	-0.39	0.18
461	1616	-0.39	0.18
462	1617	-0.38	0.17
463	1618	-0.38	0.17
464	1619	-0.37	0.16
465	1620	-0.37	0.24
466	1621	-0.36	0.24
467	1622	-0.36	0.23
468	1623	-0.35	0.23
469	1624	-0.35	0.22
470	1625	-0.34	0.22
471	1626	-0.34	0.21
472	1627	-0.33	0.21
473	1628	-0.33	0.20
474	1629	-0.32	0.20
475	1630	-0.32	0.05
476	1631	-0.31	0.04
477	1632	-0.31	0.04
478	1633	-0.30	0.03
479	1634	-0.30	0.03
480	1635	-0.30	0.02
481	1636	-0.29	0.02
482	1637	-0.29	0.02
483	1638	-0.28	0.01
484	1639	-0.28	0.01
485	1640	-0.27	0.00
486	1641	-0.27	-0.02
487	1642	-0.26	0.00
488	1643	-0.26	-0.18
489	1644	-0.25	-0.66
490	1645	-0.25	-0.25
491	1646	-0.24	-0.56
492	1647	-0.24	-0.48
493	1648	-0.23	-2.16
494	1649	-0.23	-2.17
495	1650	-0.22	-2.17
496	1651	-0.22	-0.49
497	1652	-0.22	-0.50
498	1653	-0.21	-0.50
499	1654	-0.21	0.05
500	1655	-0.20	0.05
501	1656	-0.20	0.04
502	1657	-0.19	0.04
503	1658	-0.19	0.04
504	1659	-0.18	0.03

OBS	X1	Y2	Y3
505	1660	-0.18	0.03
506	1661	-0.17	0.02
507	1662	-0.17	0.02
508	1663	-0.16	0.01
509	1664	-0.16	0.01
510	1665	-0.15	0.00
511	1666	-0.15	0.00
512	1667	-0.14	0.10
513	1668	-0.14	-0.01
514	1669	-0.13	-0.02
515	1670	-0.13	0.02
516	1671	-0.13	0.07
517	1672	-0.12	0.02
518	1673	-0.12	0.10
519	1674	-0.11	-0.09
520	1675	-0.11	0.17
521	1676	-0.10	0.15
522	1677	-0.10	0.23
523	1678	-0.09	0.21
524	1679	-0.09	0.11
525	1680	-0.08	0.15
526	1681	-0.08	0.15
527	1682	-0.07	0.21
528	1683	-0.07	0.22
529	1684	-0.06	0.15
530	1685	-0.06	0.20
531	1686	-0.05	0.24
532	1687	-0.05	0.21
533	1688	-0.04	0.19
534	1689	-0.04	0.21
535	1690	-0.04	0.14
536	1691	-0.03	0.15
537	1692	-0.03	0.12
538	1693	-0.02	0.12
539	1694	-0.02	0.09
540	1695	-0.01	0.11
541	1696	-0.01	0.08
542	1697	0.00	0.03
543	1698	0.00	0.10
544	1699	0.01	0.15
545	1700	0.01	0.14
546	1701	0.02	0.12
547	1702	0.02	0.03
548	1703	0.03	0.18
549	1704	0.03	0.14
550	1705	0.04	0.11
551	1706	0.04	0.13
552	1707	0.05	0.12
553	1708	0.05	0.11
554	1709	0.05	0.10
555	1710	0.06	0.28
556	1711	0.06	0.09
557	1712	0.07	0.09
558	1713	0.07	0.06
559	1714	0.08	-0.03
560	1715	0.08	-0.01

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OBS	X1	Y2	Y3
561	1716	0.09	-0.05
562	1717	0.09	0.13
563	1718	0.10	0.12
564	1719	0.10	0.07
565	1720	0.11	0.06
566	1721	0.11	-0.05
567	1722	0.12	0.03
568	1723	0.12	0.02
569	1724	0.13	0.08
570	1725	0.13	0.09
571	1726	0.14	0.05
572	1727	0.14	0.06
573	1728	0.14	0.02
574	1729	0.15	0.05
575	1730	0.15	0.04
576	1731	0.16	0.11
577	1732	0.16	0.11
578	1733	0.17	0.04
579	1734	0.17	0.09
580	1735	0.18	0.07
581	1736	0.18	0.01
582	1737	0.19	0.04
583	1738	0.19	-0.06
584	1739	0.20	0.05
585	1740	0.20	0.03
586	1741	0.21	-0.02
587	1742	0.21	0.04
588	1743	0.22	0.06
589	1744	0.22	0.05
590	1745	0.22	0.01
591	1746	0.23	0.05
592	1747	0.23	0.03
593	1748	0.24	0.06
594	1749	0.24	-0.18
595	1750	0.25	0.21
596	1751	0.31	0.05
597	1752	0.31	0.10
598	1753	0.31	0.09
599	1754	0.32	0.12
600	1755	0.32	0.12
601	1756	0.33	0.12
602	1757	0.33	0.11
603	1758	0.34	0.10
604	1759	0.34	0.08
605	1760	0.34	0.09
606	1761	0.35	0.03
607	1762	0.35	0.06
608	1763	0.36	0.08
609	1764	0.36	0.06
610	1765	0.36	0.08
611	1766	0.37	0.12
612	1767	0.37	0.08
613	1768	0.38	0.05
614	1769	0.38	0.08
615	1770	0.39	0.09
616	1771	0.39	0.06

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OBS	X1	Y2	Y3
617	1772	0.39	0.11
618	1773	0.40	0.06
619	1774	0.40	-0.01
620	1775	0.41	0.01
621	1776	0.41	0.01
622	1777	0.42	0.03
623	1778	0.42	-0.02
624	1779	0.42	0.00
625	1780	0.43	0.04
626	1781	0.43	-0.02
627	1782	0.44	-0.03
628	1783	0.44	-0.03
629	1784	0.44	-0.02
630	1785	0.45	0.01
631	1786	0.45	0.07
632	1787	0.46	0.05
633	1788	0.46	0.06
634	1789	0.47	0.07
635	1790	0.47	0.03
636	1791	0.47	0.07
637	1792	0.48	0.10
638	1793	0.48	0.02
639	1794	0.49	0.04
640	1795	0.49	0.05
641	1796	0.49	-0.01
642	1797	0.50	0.01
643	1798	0.50	-0.05
644	1799	0.51	-0.05
645	1800	0.51	-0.11
646	1801	0.52	-0.15
647	1802	0.52	-0.10
648	1803	0.52	-0.06
649	1804	0.53	-0.05
650	1805	0.53	-0.09
651	1806	0.54	-0.08
652	1807	0.54	-0.16
653	1808	0.55	-0.18
654	1809	0.55	-0.15
655	1810	0.55	-0.25
656	1811	0.56	-0.18
657	1812	0.56	-0.19
658	1813	0.57	-0.20
659	1814	0.57	-0.15
660	1815	0.57	-0.11
661	1816	0.58	-0.05
662	1817	0.58	0.03
663	1818	0.59	0.02
664	1819	0.59	-0.07
665	1820	0.60	-0.12
666	1821	0.60	-0.07
667	1822	0.60	-0.09
668	1823	0.61	0.02
669	1824	0.61	0.09
670	1825	0.62	0.02
671	1826	0.62	0.04
672	1827	0.63	0.12

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OBS	X1	Y2	Y3
673	1828	0.63	0.06
674	1829	0.63	0.01
675	1830	0.64	0.01
676	1831	0.64	-0.01
677	1832	0.65	-0.01
678	1833	0.65	-0.04
679	1834	0.65	-0.05
680	1835	0.66	-0.03
681	1836	0.66	-0.06
682	1837	0.67	0.01
683	1838	0.67	0.01
684	1839	0.68	0.00
685	1840	0.68	0.00
686	1841	0.68	0.00
687	1842	0.69	-0.01
688	1843	0.69	-0.01
689	1844	0.70	-0.02
690	1845	0.70	-0.02
691	1846	0.71	-0.02
692	1847	0.71	-0.03
693	1848	0.71	-0.03
694	1849	0.72	-0.04
695	1850	0.72	-0.04
696	1851	0.73	-0.05
697	1852	0.73	-0.05
698	1853	0.73	0.03
699	1854	0.74	0.04
700	1855	0.74	0.04
701	1856	0.75	0.05
702	1857	0.75	0.07
703	1858	0.76	0.08
704	1859	0.76	0.09
705	1860	0.76	0.06
706	1861	0.77	0.10
707	1862	0.77	0.16
708	1863	0.78	0.22
709	1864	0.78	0.22
710	1865	0.78	0.22
711	1866	0.79	0.21
712	1867	0.79	0.15
713	1868	0.80	0.17
714	1869	0.80	0.19
715	1870	0.81	0.20
716	1871	0.81	0.23
717	1872	0.81	0.17
718	1873	0.82	0.18
719	1874	0.82	0.17
720	1875	0.83	0.16
721	1876	0.83	0.10
722	1877	0.84	0.14
723	1878	0.84	0.16
724	1879	0.84	0.13
725	1880	0.85	0.10
726	1881	0.85	0.08
727	1882	0.86	0.11
728	1883	0.86	0.11

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OBS	X1	Y2	Y3
729	1884	0.86	0.12
730	1885	0.87	0.10
731	1886	0.87	0.10
732	1887	0.88	0.09
733	1888	0.88	0.08
734	1889	0.89	0.06
735	1890	0.89	0.09
736	1891	0.89	0.08
737	1892	0.90	0.07
738	1893	0.90	0.04
739	1894	0.91	0.01
740	1895	0.91	-0.09
741	1896	0.92	-0.23
742	1897	0.92	-0.27
743	1898	0.92	-0.26
744	1899	0.93	-0.33
745	1900	0.93	-0.30
746	1901	0.44	0.22
747	1902	0.44	0.20
748	1903	0.44	0.19
749	1904	0.44	0.18
750	1905	0.43	0.22
751	1906	0.43	0.22
752	1907	0.43	0.21
753	1908	0.43	0.28
754	1909	0.43	0.29
755	1910	0.42	0.26
756	1911	0.42	0.27
757	1912	0.42	0.31
758	1913	0.42	0.31
759	1914	0.41	0.29
760	1915	0.41	0.29
761	1916	0.41	0.26
762	1917	0.41	0.18
763	1918	0.40	0.20
764	1919	0.40	0.12
765	1920	0.40	0.09
766	1921	0.40	-0.55
767	1922	0.40	-0.79
768	1923	0.39	-0.39
769	1924	0.39	-0.09
770	1925	0.39	-0.03
771	1926	0.39	-0.02
772	1927	0.38	0.03
773	1928	0.38	0.07
774	1929	0.38	0.14
775	1930	0.38	0.02
776	1931	-0.37	-0.60
777	1932	0.37	-0.26
778	1933	0.37	-0.19
779	1934	0.37	-0.07
780	1935	0.37	-0.06
781	1936	0.36	-0.04
782	1937	0.36	-0.06
783	1938	0.36	-0.06
784	1939	0.36	-0.15

VAR. 30

OBS	X1	Y2	Y3
785	1940	0.35	-0.15
786	1941	0.35	-0.18
787	1942	0.35	-0.20
788	1943	0.35	-0.20
789	1944	0.34	-0.27
790	1945	0.34	-0.26
791	1946	0.34	-0.44
792	1947	0.34	-0.38
793	1948	0.34	-0.38
794	1949	0.33	-0.38
795	1950	0.33	-0.38
796	1951	0.33	-0.43
797	1952	0.33	-0.37
798	1953	0.32	-0.28
799	1954	0.32	-0.37
800	1955	0.32	-0.32
801	1956	0.32	-0.32
802	1957	0.31	-0.31
803	1958	0.31	-0.27
804	1959	0.31	-0.20
805	1960	0.31	-0.23
806	1961	0.31	-0.23
807	1962	0.30	-0.22
808	1963	0.30	-0.22
809	1964	0.30	-0.22
810	1965	0.30	-0.18
811	1966	0.29	-0.18
812	1967	0.29	-0.12
813	1968	0.29	-0.03
814	1969	0.29	-0.08
815	1970	0.28	-0.05
816	1971	0.28	-0.03
817	1972	0.28	0.24
818	1973	0.28	0.28
819	1974	0.28	0.23
820	1975	0.27	0.25
821	1976	0.27	0.25
822	1977	0.27	0.31
823	1978	0.27	0.18
824	1979	0.26	0.12
825	1980	0.26	0.22
826	1981	0.26	0.33
827	1982	0.26	0.37
828	1983	0.25	0.36
829	1984	0.25	0.45
830	1985	0.25	0.47
831	1986	0.25	0.39
832	1987	0.25	0.31
833	1988	0.24	0.29
834	1989	0.24	0.36
835	1990	0.24	0.29
836	1991	0.24	0.13
837	1992	0.23	0.07

VAR.31

Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

VAR. 32

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OBS	Time 1	Raw Data 2	Log of Data 3	1/x 4	y/x 5	Trend 6	Residual 7
1	1541	2773.9	3.44309	1.00000	3.44309	3.44467	-0.00158
2	1542	2812.0	3.44901	0.50000	1.72451	3.44704	0.00197
3	1543	2829.0	3.45163	0.33333	1.15054	3.44941	0.00222
4	1544	2861.5	3.45659	0.25000	0.86415	3.45178	0.00481
5	1545	2856.9	3.45589	0.20000	0.69118	3.45415	0.00174
6	1546	2853.7	3.45541	0.16667	0.57590	3.45653	-0.00112
7	1547	2855.7	3.45571	0.14286	0.49367	3.45890	-0.00318
8	1548	2898.4	3.46216	0.12500	0.43277	3.46127	0.00089
9	1549	2928.5	3.46665	0.11111	0.38518	3.46364	0.00301
10	1550	2969.3	3.47265	0.10000	0.34726	3.46601	0.00664
11	1551	3011.0	3.47871	0.09091	0.31625	3.46838	0.01033
12	1552	3034.9	3.48214	0.08333	0.29018	3.47075	0.01139
13	1553	3060.1	3.48574	0.07692	0.26813	3.47312	0.01261
14	1554	3089.8	3.48993	0.07143	0.24928	3.47549	0.01444
15	1555	3115.4	3.49351	0.06667	0.23290	3.47786	0.01565
16	1556	3158.7	3.49951	0.06250	0.21872	3.48024	0.01927
17	1557	3152.8	3.49870	0.05882	0.20581	3.48261	0.01609
18	1558	3085.2	3.48928	0.05556	0.19385	3.48498	0.00431
19	1559	2985.5	3.47502	0.05263	0.18290	3.48735	-0.01233
20	1560	2963.5	3.47180	0.05000	0.17359	3.48972	-0.01792
21	1561	2984.6	3.47489	0.04762	0.16547	3.49209	-0.01720
22	1562	3015.5	3.47936	0.04546	0.15815	3.49446	-0.01510
23	1563	3048.2	3.48404	0.04348	0.15148	3.49683	-0.01279
24	1564	3060.3	3.48576	0.04167	0.14524	3.49920	-0.01344
25	1565	3101.9	3.49163	0.04000	0.13967	3.50157	-0.00995
26	1566	3128.3	3.49531	0.03846	0.13444	3.50395	-0.00864
27	1567	3155.5	3.49907	0.03704	0.12959	3.50632	-0.00725
28	1568	3204.4	3.50575	0.03571	0.12521	3.50869	-0.00294
29	1569	3230.1	3.50922	0.03448	0.12101	3.51106	-0.00184
30	1570	3254.5	3.51248	0.03333	0.11708	3.51343	-0.00095
31	1571	3270.9	3.51467	0.03226	0.11338	3.51580	-0.00113
32	1572	3302.9	3.51889	0.03125	0.10996	3.51817	0.00072
33	1573	3322.7	3.52149	0.03030	0.10671	3.52054	0.00095
34	1574	3343.6	3.52421	0.02941	0.10365	3.52291	0.00130
35	1575	3377.0	3.52853	0.02857	0.10082	3.52528	0.00325
36	1576	3412.7	3.53310	0.02778	0.09814	3.52766	0.00544
37	1577	3455.3	3.53849	0.02703	0.09564	3.53003	0.00846
38	1578	3492.7	3.54316	0.02632	0.09324	3.53240	0.01076
39	1579	3526.0	3.54728	0.02564	0.09096	3.53477	0.01251
40	1580	3568.1	3.55244	0.02500	0.08881	3.53714	0.01530
41	1581	3597.7	3.55602	0.02439	0.08673	3.53951	0.01651
42	1582	3637.3	3.56078	0.02381	0.08478	3.54188	0.01890
43	1583	3687.3	3.56671	0.02326	0.08295	3.54425	0.02246
44	1584	3733.8	3.57215	0.02273	0.08118	3.54662	0.02553
45	1585	3763.2	3.57556	0.02222	0.07946	3.54899	0.02656
46	1586	3805.8	3.58045	0.02174	0.07784	3.55137	0.02908
47	1587	3823.8	3.58250	0.02128	0.07622	3.55374	0.02876
48	1588	3811.6	3.58111	0.02083	0.07461	3.55611	0.02500
49	1589	3848.9	3.58534	0.02041	0.07317	3.55848	0.02686
50	1590	3895.8	3.59060	0.02000	0.07181	3.56085	0.02975
51	1591	3899.2	3.59098	0.01961	0.07041	3.56322	0.02775
52	1592	3906.0	3.59173	0.01923	0.06907	3.56559	0.02614
53	1593	3904.2	3.59153	0.01887	0.06777	3.56796	0.02357
54	1594	3938.2	3.59530	0.01852	0.06658	3.57033	0.02496
55	1595	3984.7	3.60040	0.01818	0.06546	3.57270	0.02769
56	1596	4011.6	3.60332	0.01786	0.06435	3.57508	0.02824

Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

VAR. 33

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OBS	1	2	3	4	5	6	7
57	1597	4009.9	3.60313	0.017544	0.063213	3.57745	0.02569
58	1598	3985.1	3.60044	0.017241	0.062077	3.57982	0.02062
59	1599	4019.9	3.60421	0.016949	0.061088	3.58219	0.02203
60	1600	4066.1	3.60918	0.016667	0.060153	3.58456	0.02462
61	1601	4110.0	3.61384	0.016393	0.059243	3.58693	0.02691
62	1602	4134.9	3.61646	0.016129	0.058330	3.58930	0.02716
63	1603	4155.9	3.61866	0.015873	0.057439	3.59167	0.02699
64	1604	4165.6	3.61968	0.015625	0.056557	3.59404	0.02563
65	1605	4214.6	3.62476	0.015385	0.055765	3.59641	0.02834
66	1606	4253.3	3.62873	0.015152	0.054981	3.59879	0.02994
67	1607	4303.0	3.63377	0.014925	0.054235	3.60116	0.03261
68	1608	4339.6	3.63745	0.014706	0.053492	3.60353	0.03392
69	1609	4376.1	3.64109	0.014493	0.052769	3.60590	0.03519
70	1610	4389.6	3.64242	0.014286	0.052035	3.60827	0.03415
71	1611	4416.4	3.64507	0.014085	0.051339	3.61064	0.03443
72	1612	4438.7	3.64726	0.013889	0.050656	3.61301	0.03424
73	1613	4459.0	3.64924	0.013699	0.049990	3.61538	0.03385
74	1614	4459.0	3.64924	0.013514	0.049314	3.61775	0.03148
75	1615	4494.3	3.65266	0.013333	0.048702	3.62012	0.03254
76	1616	4509.9	3.65417	0.013158	0.048081	3.62250	0.03167
77	1617	4515.3	3.65469	0.012987	0.047463	3.62487	0.02982
78	1618	4545.6	3.65759	0.012821	0.046892	3.62724	0.03035
79	1619	4589.9	3.66180	0.012658	0.046352	3.62961	0.03219
80	1620	4634.6	3.66601	0.012500	0.045825	3.63198	0.03403
81	1621	4693.0	3.67145	0.012346	0.045327	3.63435	0.03710
82	1622	4755.5	3.67720	0.012195	0.044844	3.63672	0.04047
83	1623	4771.7	3.67867	0.012048	0.044321	3.63909	0.03958
84	1624	4755.8	3.67722	0.011905	0.043776	3.64146	0.03576
85	1625	4751.6	3.67684	0.011765	0.043257	3.64383	0.03300
86	1626	4719.9	3.67393	0.011628	0.042720	3.64621	0.02773
87	1627	4738.2	3.67561	0.011494	0.042248	3.64858	0.02704
88	1628	4791.2	3.68044	0.011364	0.041823	3.65095	0.02950
89	1629	4832.2	3.68414	0.011236	0.041395	3.65332	0.03083
90	1630	4884.1	3.68879	0.011111	0.040986	3.65569	0.03309
91	1631	4892.6	3.68954	0.010989	0.040544	3.65806	0.03148
92	1632	4905.7	3.69070	0.010870	0.040116	3.66043	0.03027
93	1633	4956.6	3.69518	0.010753	0.039733	3.66280	0.03238
94	1634	4997.1	3.69872	0.010638	0.039348	3.66517	0.03354
95	1635	5035.4	3.70203	0.010526	0.038969	3.66754	0.03449
96	1636	5058.1	3.70399	0.010417	0.038583	3.66992	0.03407
97	1637	5075.3	3.70546	0.010309	0.038201	3.67229	0.03317
98	1638	5083.4	3.70615	0.010204	0.037818	3.67466	0.03150
99	1639	5051.1	3.70339	0.010101	0.037408	3.67703	0.02636
100	1640	5055.0	3.70372	0.010000	0.037037	3.67940	0.02432
101	1641	5091.8	3.70687	0.009901	0.036702	3.68177	0.02510
102	1642	5112.4	3.70862	0.009804	0.036359	3.68414	0.02448
103	1643	5137.3	3.71073	0.009709	0.036027	3.68651	0.02422
104	1644	5120.6	3.70932	0.009615	0.035667	3.68888	0.02044
105	1645	5130.1	3.71013	0.009524	0.035335	3.69125	0.01887
106	1646	5176.6	3.71404	0.009434	0.035038	3.69363	0.02042
107	1647	5214.4	3.71720	0.009346	0.034740	3.69600	0.02121
108	1648	5226.3	3.71819	0.009259	0.034428	3.69837	0.01983
109	1649	5228.7	3.71839	0.009174	0.034114	3.70074	0.01765
110	1650	5220.6	3.71772	0.009091	0.033797	3.70311	0.01461
111	1651	5228.5	3.71838	0.009009	0.033499	3.70548	0.01290
112	1652	5239.6	3.71930	0.008929	0.033208	3.70785	0.01145

OBS	1	2	3	4	5	6	7
113	1653	5233.9	3.71882	.008850	0.032910	3.71022	0.00860
114	1654	5219.0	3.71759	.008772	0.032610	3.71259	0.00499
115	1655	5246.2	3.71984	.008696	0.032346	3.71496	0.00488
116	1656	5281.3	3.72274	.008621	0.032093	3.71734	0.00540
117	1657	5284.0	3.72296	.008547	0.031820	3.71971	0.00326
118	1658	5206.0	3.71650	.008475	0.031496	3.72208	-0.00557
119	1659	5136.4	3.71066	.008403	0.031182	3.72445	-0.01379
120	1660	5129.7	3.71009	.008333	0.030917	3.72682	-0.01673
121	1661	5140.7	3.71102	.008264	0.030670	3.72919	-0.01817
122	1662	5116.3	3.70896	.008197	0.030401	3.73156	-0.02261
123	1663	5104.6	3.70796	.008130	0.030146	3.73393	-0.02597
124	1664	5129.4	3.71007	.008065	0.029920	3.73630	-0.02624
125	1665	5109.6	3.70839	.008000	0.029667	3.73868	-0.03029
126	1666	5067.1	3.70476	.007937	0.029403	3.74105	-0.03629
127	1667	5059.2	3.70408	.007874	0.029166	3.74342	-0.03934
128	1668	5046.5	3.70299	.007813	0.028930	3.74579	-0.04280
129	1669	5036.6	3.70214	.007752	0.028699	3.74816	-0.04602
130	1670	5021.8	3.70086	.007692	0.028468	3.75053	-0.04967
131	1671	4982.7	3.69746	.007634	0.028225	3.75290	-0.05544
132	1672	4973.3	3.69664	.007576	0.028005	3.75527	-0.05863
133	1673	4993.2	3.69838	.007519	0.027807	3.75764	-0.05926
134	1674	5008.5	3.69971	.007463	0.027610	3.76001	-0.06031
135	1675	5008.7	3.69972	.007407	0.027405	3.76238	-0.06266
136	1676	5003.5	3.69927	.007353	0.027201	3.76476	-0.06548
137	1677	5021.2	3.70081	.007299	0.027013	3.76713	-0.06632
138	1678	5055.8	3.70379	.007246	0.026839	3.76950	-0.06571
139	1679	5023.7	3.70102	.007194	0.026626	3.77187	-0.07085
140	1680	4989.1	3.69802	.007143	0.026414	3.77424	-0.07622
141	1681	4930.4	3.69288	.007092	0.026191	3.77661	-0.08373
142	1682	4900.1	3.69020	.007042	0.025987	3.77898	-0.08878
143	1683	4886.3	3.68898	.006993	0.025797	3.78135	-0.09237
144	1684	4888.1	3.68914	.006944	0.025619	3.78372	-0.09458
145	1685	4870.8	3.68760	.006897	0.025432	3.78609	-0.09849
146	1686	4864.8	3.68706	.006849	0.025254	3.78847	-0.10140
147	1687	4879.2	3.68835	.006803	0.025091	3.79084	-0.10249
148	1688	4896.7	3.68990	.006757	0.024932	3.79321	-0.10330
149	1689	4916.8	3.69168	.006711	0.024776	3.79558	-0.10390
150	1690	4916.1	3.69162	.006667	0.024611	3.79795	-0.10633
151	1691	4930.5	3.69289	.006623	0.024456	3.80032	-0.10743
152	1692	4935.3	3.69331	.006579	0.024298	3.80269	-0.10938
153	1693	4963.2	3.69576	.006536	0.024155	3.80506	-0.10930
154	1694	4950.5	3.69465	.006494	0.023991	3.80743	-0.11278
155	1695	4950.7	3.69467	.006452	0.023837	3.80980	-0.11514
156	1696	4961.7	3.69563	.006410	0.023690	3.81218	-0.11655
157	1697	4978.1	3.69706	.006369	0.023548	3.81455	-0.11748
158	1698	4997.6	3.69876	.006329	0.023410	3.81692	-0.11816
159	1699	5015.1	3.70028	.006289	0.023272	3.81929	-0.11901
160	1700	5026.8	3.70129	.006250	0.023133	3.82166	-0.12037
161	1701	5057.8	3.70396	.006211	0.023006	3.82403	-0.12007
162	1702	5092.0	3.70689	.006173	0.022882	3.82640	-0.11951
163	1703	5134.0	3.71046	.006135	0.022764	3.82877	-0.11832
164	1704	5156.7	3.71237	.006098	0.022636	3.83114	-0.11877
165	1705	5167.2	3.71326	.006061	0.022505	3.83351	-0.12026
166	1706	5182.0	3.71450	.006024	0.022376	3.83589	-0.12139
167	1707	5198.8	3.71590	.005988	0.022251	3.83826	-0.12235
168	1708	5215.0	3.71725	.005952	0.022127	3.84063	-0.12337

Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

VAR.35

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OBS	1	2	3	4	5	6	7
169	1709	5225.0	3.71809	.005917	0.022001	3.84300	-0.12491
170	1710	5238.2	3.71918	.005882	0.021878	3.84537	-0.12619
171	1711	5230.4	3.71853	.005848	0.021746	3.84774	-0.12921
172	1712	5218.0	3.71750	.005814	0.021613	3.85011	-0.13261
173	1713	5224.8	3.71807	.005780	0.021492	3.85248	-0.13441
174	1714	5242.2	3.71951	.005747	0.021377	3.85485	-0.13534
175	1715	5246.3	3.71985	.005714	0.021256	3.85722	-0.13737
176	1716	5276.0	3.72230	.005682	0.021149	3.85960	-0.13729
177	1717	5310.0	3.72509	.005650	0.021046	3.86197	-0.13687
178	1718	5343.5	3.72783	.005618	0.020943	3.86434	-0.13651
179	1719	5378.1	3.73063	.005587	0.020842	3.86671	-0.13608
180	1720	5357.8	3.72899	.005556	0.020717	3.86908	-0.14009
181	1721	5350.5	3.72839	.005525	0.020599	3.87145	-0.14306
182	1722	5353.4	3.72863	.005495	0.020487	3.87382	-0.14519
183	1723	5370.9	3.73005	.005464	0.020383	3.87619	-0.14615
184	1724	5387.7	3.73140	.005435	0.020279	3.87856	-0.14716
185	1725	5406.2	3.73289	.005405	0.020178	3.88093	-0.14804
186	1726	5450.0	3.73640	.005376	0.020088	3.88331	-0.14691
187	1727	5480.3	3.73880	.005348	0.019994	3.88568	-0.14687
188	1728	5425.5	3.73444	.005319	0.019864	3.88805	-0.15361
189	1729	5335.5	3.72717	.005291	0.019721	3.89042	-0.16324
190	1730	5269.1	3.72174	.005263	0.019588	3.89279	-0.17105
191	1731	5263.4	3.72127	.005236	0.019483	3.89516	-0.17389
192	1732	5283.8	3.72295	.005208	0.019390	3.89753	-0.17459
193	1733	5310.3	3.72512	.005181	0.019301	3.89990	-0.17478
194	1734	5363.2	3.72942	.005155	0.019224	3.90227	-0.17285
195	1735	5409.0	3.73312	.005128	0.019144	3.90464	-0.17153
196	1736	5450.4	3.73643	.005102	0.019063	3.90702	-0.17059
197	1737	5480.9	3.73885	.005076	0.018979	3.90939	-0.17054
198	1738	5504.3	3.74070	.005051	0.018892	3.91176	-0.17106
199	1739	5536.6	3.74324	.005025	0.018810	3.91413	-0.17089
200	1740	5564.7	3.74544	.005000	0.018727	3.91650	-0.17106
201	1741	5576.2	3.74634	.004975	0.018638	3.91887	-0.17253
202	1742	5516.5	3.74166	.004950	0.018523	3.92124	-0.17958
203	1743	5512.2	3.74132	.004926	0.018430	3.92361	-0.18229
204	1744	5547.8	3.74412	.004902	0.018354	3.92598	-0.18186
205	1745	5603.5	3.74846	.004878	0.018285	3.92835	-0.17990
206	1746	5634.8	3.75088	.004854	0.018208	3.93073	-0.17985
207	1747	5657.7	3.75264	.004831	0.018129	3.93310	-0.18046
208	1748	5669.0	3.75351	.004808	0.018046	3.93547	-0.18196
209	1749	5702.8	3.75609	.004785	0.017972	3.93784	-0.18175
210	1750	5739.4	3.75887	.004762	0.017899	3.94021	-0.18134
211	1751	5772.4	3.76136	.004739	0.017826	3.94258	-0.18122
212	1752	5810.5	3.76421	.004717	0.017756	3.94495	-0.18074
213	1753	5855.9	3.76759	.004695	0.017688	3.94732	-0.17973
214	1754	5900.0	3.77085	.004673	0.017621	3.94969	-0.17884
215	1755	5942.9	3.77400	.004651	0.017553	3.95206	-0.17807
216	1756	5993.4	3.77767	.004630	0.017489	3.95444	-0.17676
217	1757	6021.0	3.77967	.004608	0.017418	3.95681	-0.17714
218	1758	6038.6	3.78094	.004587	0.017344	3.95918	-0.17824
219	1759	6062.9	3.78268	.004566	0.017273	3.96155	-0.17887
220	1760	6101.6	3.78544	.004545	0.017207	3.96392	-0.17848
221	1761	6146.9	3.78866	.004525	0.017143	3.96629	-0.17763
222	1762	6173.4	3.79052	.004505	0.017074	3.96866	-0.17814
223	1763	6162.4	3.78975	.004484	0.016994	3.97103	-0.18128
224	1764	6194.9	3.79203	.004464	0.016929	3.97340	-0.18137

Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

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OBS	1	2	3	4	5	6	7
225	1765	6245.5	3.79557	.004444	0.016869	3.97577	-0.18021
226	1766	6277.1	3.79776	.004425	0.016804	3.97815	-0.18039
227	1767	6295.0	3.79900	.004405	0.016736	3.98052	-0.18152
228	1768	6314.3	3.80032	.004386	0.016668	3.98289	-0.18256
229	1769	6357.5	3.80329	.004367	0.016608	3.98526	-0.18197
230	1770	6405.2	3.80653	.004348	0.016550	3.98763	-0.18110
231	1771	6447.8	3.80941	.004329	0.016491	3.99000	-0.18059
232	1772	6498.8	3.81283	.004310	0.016435	3.99237	-0.17954
233	1773	6552.1	3.81638	.004292	0.016379	3.99474	-0.17836
234	1774	6601.6	3.81965	.004274	0.016323	3.99711	-0.17746
235	1775	6674.3	3.82441	.004255	0.016274	3.99948	-0.17508
236	1776	6740.4	3.82869	.004237	0.016223	4.00186	-0.17317
237	1777	6807.9	3.83301	.004219	0.016173	4.00423	-0.17121
238	1778	6881.5	3.83768	.004202	0.016125	4.00660	-0.16891
239	1779	6949.3	3.84194	.004184	0.016075	4.00897	-0.16703
240	1780	6989.1	3.84442	.004167	0.016018	4.01134	-0.16692
241	1781	7042.1	3.84770	.004149	0.015966	4.01371	-0.16601
242	1782	7068.9	3.84935	.004132	0.015906	4.01608	-0.16673
243	1783	7126.5	3.85288	.004115	0.015855	4.01845	-0.16558
244	1784	7144.5	3.85397	.004098	0.015795	4.02082	-0.16685
245	1785	7217.2	3.85837	.004082	0.015748	4.02320	-0.16483
246	1786	7289.0	3.86267	.004065	0.015702	4.02557	-0.16290
247	1787	7370.6	3.86750	.004049	0.015658	4.02794	-0.16043
248	1788	7461.5	3.87283	.004032	0.015616	4.03031	-0.15748
249	1789	7542.7	3.87753	.004016	0.015572	4.03268	-0.15515
250	1790	7648.2	3.88356	.004000	0.015534	4.03505	-0.15149
251	1791	7739.9	3.88873	.003984	0.015493	4.03742	-0.14869
252	1792	7842.1	3.89443	.003968	0.015454	4.03979	-0.14536
253	1793	7936.9	3.89965	.003953	0.015414	4.04216	-0.14251
254	1794	8024.6	3.90442	.003937	0.015372	4.04453	-0.14011
255	1795	8100.8	3.90853	.003922	0.015328	4.04690	-0.13838
256	1796	8198.5	3.91373	.003906	0.015288	4.04928	-0.13554
257	1797	8285.1	3.91830	.003891	0.015246	4.05165	-0.13335
258	1798	8398.7	3.92421	.003876	0.015210	4.05402	-0.12981
259	1799	8500.6	3.92945	.003861	0.015172	4.05639	-0.12694
260	1800	8606.0	3.93480	.003846	0.015134	4.05876	-0.12396
261	1801	8664.5	3.93774	.003831	0.015087	4.06113	-0.12339
262	1802	8728.2	3.94092	.003817	0.015042	4.06350	-0.12258
263	1803	8836.6	3.94628	.003802	0.015005	4.06587	-0.11959
264	1804	8958.7	3.95224	.003788	0.014971	4.06824	-0.11600
265	1805	9116.8	3.95984	.003774	0.014943	4.07061	-0.11077
266	1806	9267.6	3.96697	.003759	0.014913	4.07299	-0.10602
267	1807	9400.1	3.97313	.003745	0.014881	4.07536	-0.10222
268	1808	9528.0	3.97900	.003731	0.014847	4.07773	-0.09873
269	1809	9650.6	3.98455	.003717	0.014812	4.08010	-0.09554
270	1810	9762.4	3.98956	.003704	0.014776	4.08247	-0.09291
271	1811	9885.7	3.99501	.003690	0.014742	4.08484	-0.08983
272	1812	10010.0	4.00043	.003676	0.014707	4.08721	-0.08678
273	1813	10163.1	4.00703	.003663	0.014678	4.08958	-0.08256
274	1814	10296.6	4.01269	.003650	0.014645	4.09195	-0.07926
275	1815	10481.0	4.02040	.003636	0.014620	4.09433	-0.07392
276	1816	10651.6	4.02742	.003623	0.014592	4.09670	-0.06928
277	1817	10827.4	4.03452	.003610	0.014565	4.09907	-0.06454
278	1818	10985.1	4.04080	.003597	0.014535	4.10144	-0.06063
279	1819	11151.7	4.04734	.003584	0.014507	4.10381	-0.05647
280	1820	11300.0	4.05308	.003571	0.014475	4.10618	-0.05310



Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

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OBS	1	2	3	4	5	6	7
281	1821	11491.9	4.06039	.003559	0.014450	4.10855	-0.04816
282	1822	11687.8	4.06773	.003546	0.014425	4.11092	-0.04319
283	1823	11875.1	4.07464	.003534	0.014398	4.11329	-0.03866
284	1824	12053.0	4.08110	.003521	0.014370	4.11566	-0.03457
285	1825	12244.5	4.08794	.003509	0.014344	4.11803	-0.03009
286	1826	12411.0	4.09381	.003497	0.014314	4.12041	-0.02660
287	1827	12563.9	4.09912	.003484	0.014283	4.12278	-0.02365
288	1828	12762.0	4.10592	.003472	0.014257	4.12515	-0.01923
289	1829	12935.9	4.11180	.003460	0.014228	4.12752	-0.01572
290	1830	13105.5	4.11745	.003448	0.014198	4.12989	-0.01244
291	1831	13283.9	4.12333	.003436	0.014170	4.13226	-0.00894
292	1832	13420.4	4.12776	.003425	0.014136	4.13463	-0.00687
293	1833	13586.5	4.13311	.003413	0.014106	4.13700	-0.00390
294	1834	13776.4	4.13914	.003401	0.014079	4.13937	-0.00024
295	1835	13932.8	4.14404	.003390	0.014048	4.14175	0.00229
296	1836	14106.0	4.14940	.003378	0.014018	4.14412	0.00529
297	1837	14272.9	4.15451	.003367	0.013988	4.14649	0.00803
298	1838	14432.6	4.15934	.003356	0.013958	4.14886	0.01049
299	1839	14616.8	4.16485	.003344	0.013929	4.15123	0.01362
300	1840	14797.5	4.17019	.003333	0.013901	4.15360	0.01659
301	1841	14970.4	4.17523	.003322	0.013871	4.15597	0.01926
302	1842	15162.2	4.18076	.003311	0.013844	4.15834	0.02242
303	1843	15340.4	4.18584	.003300	0.013815	4.16071	0.02512
304	1844	15536.2	4.19134	.003289	0.013787	4.16308	0.02826
305	1845	15717.6	4.19639	.003279	0.013759	4.16545	0.03093
306	1846	15933.8	4.20232	.003268	0.013733	4.16783	0.03449
307	1847	16058.6	4.20571	.003257	0.013699	4.17020	0.03551
308	1848	16183.1	4.20906	.003247	0.013666	4.17257	0.03649
309	1849	16371.3	4.21408	.003236	0.013638	4.17494	0.03914
310	1850	16515.6	4.21789	.003226	0.013606	4.17731	0.04058
311	1851	16736.1	4.22365	.003215	0.013581	4.17968	0.04397
312	1852	16952.4	4.22923	.003205	0.013555	4.18205	0.04718
313	1853	17144.6	4.23413	.003195	0.013528	4.18442	0.04970
314	1854	17352.7	4.23937	.003185	0.013501	4.18679	0.05257
315	1855	17516.2	4.24344	.003175	0.013471	4.18916	0.05427
316	1856	17763.9	4.24954	.003165	0.013448	4.19154	0.05800
317	1857	18015.1	4.25564	.003155	0.013425	4.19391	0.06173
318	1858	18226.8	4.26071	.003145	0.013398	4.19628	0.06443
319	1859	18442.3	4.26581	.003135	0.013372	4.19865	0.06717
320	1860	18682.4	4.27143	.003125	0.013348	4.20102	0.07041
321	1861	18937.5	4.27732	.003115	0.013325	4.20339	0.07393
322	1862	19197.4	4.28324	.003106	0.013302	4.20576	0.07748
323	1863	19453.8	4.28900	.003096	0.013279	4.20813	0.08087
324	1864	19689.1	4.29423	.003086	0.013254	4.21050	0.08372
325	1865	19930.7	4.29952	.003077	0.013229	4.21288	0.08665
326	1866	20166.6	4.30463	.003067	0.013204	4.21525	0.08939
327	1867	20426.4	4.31019	.003058	0.013181	4.21762	0.09257
328	1868	20725.0	4.31649	.003049	0.013160	4.21999	0.09651
329	1869	20979.0	4.32179	.003040	0.013136	4.22236	0.09943
330	1870	21239.8	4.32715	.003030	0.013113	4.22473	0.10242
331	1871	21500.7	4.33245	.003021	0.013089	4.22710	0.10535
332	1872	23096.0	4.36354	.003012	0.013143	4.22947	0.13406
333	1873	23408.0	4.36936	.003003	0.013121	4.23184	0.13752
334	1874	23724.0	4.37519	.002994	0.013099	4.23421	0.14097
335	1875	24045.0	4.38102	.002985	0.013078	4.23658	0.14444
336	1876	24370.0	4.38686	.002976	0.013056	4.23896	0.14790

Population (Eng & Wales): 1541-1992  
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OBS	1	2	3	4	5	6	7
337	1877	24700	4.39270	.002967	0.013035	4.24133	0.15137
338	1878	25033	4.39851	.002959	0.013013	4.24370	0.15481
339	1879	25371	4.40434	.002950	0.012992	4.24607	0.15827
340	1880	25714	4.41017	.002941	0.012971	4.24844	0.16173
341	1881	26046	4.41574	.002933	0.012949	4.25081	0.16493
342	1882	26334	4.42052	.002924	0.012925	4.25318	0.16733
343	1883	26627	4.42532	.002915	0.012902	4.25555	0.16977
344	1884	26922	4.43011	.002907	0.012878	4.25792	0.17218
345	1885	27220	4.43489	.002899	0.012855	4.26029	0.17459
346	1886	27522	4.43968	.002890	0.012831	4.26267	0.17701
347	1887	27827	4.44447	.002882	0.012808	4.26504	0.17943
348	1888	28136	4.44926	.002874	0.012785	4.26741	0.18185
349	1889	28448	4.45405	.002865	0.012762	4.26978	0.18427
350	1890	28764	4.45885	.002857	0.012740	4.27215	0.18670
351	1891	29086	4.46368	.002849	0.012717	4.27452	0.18916
352	1892	29421	4.46866	.002841	0.012695	4.27689	0.19177
353	1893	29761	4.47365	.002833	0.012673	4.27926	0.19438
354	1894	30104	4.47862	.002825	0.012651	4.28163	0.19699
355	1895	30451	4.48360	.002817	0.012630	4.28400	0.19960
356	1896	30803	4.48859	.002809	0.012608	4.28638	0.20222
357	1897	31158	4.49357	.002801	0.012587	4.28875	0.20482
358	1898	31518	4.49856	.002793	0.012566	4.29112	0.20744
359	1899	31881	4.50353	.002786	0.012545	4.29349	0.21004
360	1900	32249	4.50852	.002778	0.012524	4.29586	0.21266
361	1901	32612	4.51338	.002770	0.012502	4.29823	0.21515
362	1902	32951	4.51787	.002762	0.012480	4.30060	0.21727
363	1903	33293	4.52235	.002755	0.012458	4.30297	0.21938
364	1904	33639	4.52684	.002747	0.012436	4.30534	0.22150
365	1905	33989	4.53134	.002740	0.012415	4.30771	0.22362
366	1906	34342	4.53583	.002732	0.012393	4.31009	0.22574
367	1907	34699	4.54032	.002725	0.012371	4.31246	0.22786
368	1908	35059	4.54480	.002717	0.012350	4.31483	0.22997
369	1909	35424	4.54930	.002710	0.012329	4.31720	0.23210
370	1910	35792	4.55379	.002703	0.012308	4.31957	0.23422
371	1911	36136	4.55794	.002695	0.012286	4.32194	0.23600
372	1912	36327	4.56023	.002688	0.012259	4.32431	0.23592
373	1913	36574	4.56317	.002681	0.012234	4.32668	0.23649
374	1914	36967	4.56781	.002674	0.012213	4.32905	0.23876
375	1915	35284	4.54758	.002667	0.012127	4.33143	0.21615
376	1916	34642	4.53960	.002660	0.012073	4.33380	0.20581
377	1917	34197	4.53399	.002653	0.012026	4.33617	0.19782
378	1918	34024	4.53178	.002646	0.011989	4.33854	0.19325
379	1919	35427	4.54933	.002639	0.012004	4.34091	0.20843
380	1920	37247	4.57109	.002632	0.012029	4.34328	0.22781
381	1921	37932	4.57901	.002625	0.012018	4.34565	0.23335
382	1922	38205	4.58212	.002618	0.011995	4.34802	0.23410
383	1923	38449	4.58488	.002611	0.011971	4.35039	0.23449
384	1924	38795	4.58878	.002604	0.011950	4.35276	0.23601
385	1925	38935	4.59034	.002597	0.011923	4.35513	0.23521
386	1926	39114	4.59233	.002591	0.011897	4.35751	0.23483
387	1927	39286	4.59424	.002584	0.011871	4.35988	0.23436
388	1928	39483	4.59641	.002577	0.011846	4.36225	0.23416
389	1929	39600	4.59769	.002571	0.011819	4.36462	0.23308
390	1930	39801	4.59989	.002564	0.011795	4.36699	0.23290
391	1931	39988	4.60193	.002558	0.011770	4.36936	0.23257
392	1932	40201	4.60424	.002551	0.011746	4.37173	0.23250

Population (Eng & Wales): 1541-1992  
 Input Variables: Pre-Spectral Modelling

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OBS	1	2	3	4	5	6	7
393	1933	40350	4.60584	.002545	0.011720	4.37410	0.23174
394	1934	40467	4.60710	.002538	0.011693	4.37647	0.23063
395	1935	40645	4.60901	.002532	0.011668	4.37884	0.23016
396	1936	40839	4.61107	.002525	0.011644	4.38122	0.22986
397	1937	41031	4.61311	.002519	0.011620	4.38359	0.22953
398	1938	41215	4.61505	.002513	0.011596	4.38596	0.22910
399	1939	41460	4.61763	.002506	0.011573	4.38833	0.22930
400	1940	41862	4.62182	.002500	0.011555	4.39070	0.23112
401	1941	41748	4.62064	.002494	0.011523	4.39307	0.22756
402	1942	41897	4.62218	.002488	0.011498	4.39544	0.22674
403	1943	42259	4.62592	.002481	0.011479	4.39781	0.22811
404	1944	42449	4.62787	.002475	0.011455	4.40018	0.22768
405	1945	42636	4.62978	.002469	0.011432	4.40256	0.22722
406	1946	42700	4.63043	.002463	0.011405	4.40493	0.22550
407	1947	43050	4.63397	.002457	0.011386	4.40730	0.22668
408	1948	43502	4.63851	.002451	0.011369	4.40967	0.22884
409	1949	43785	4.64132	.002445	0.011348	4.41204	0.22929
410	1950	44020	4.64365	.002439	0.011326	4.41441	0.22924
411	1951	43815	4.64162	.002433	0.011293	4.41678	0.22484
412	1952	43955	4.64301	.002427	0.011269	4.41915	0.22386
413	1953	44109	4.64453	.002421	0.011246	4.42152	0.22300
414	1954	44274	4.64615	.002415	0.011223	4.42389	0.22225
415	1955	44441	4.64778	.002410	0.011199	4.42626	0.22152
416	1956	44667	4.64999	.002404	0.011178	4.42864	0.22135
417	1957	44907	4.65231	.002398	0.011157	4.43101	0.22131
418	1958	45109	4.65426	.002392	0.011135	4.43338	0.22089
419	1959	45386	4.65692	.002387	0.011114	4.43575	0.22117
420	1960	45775	4.66063	.002381	0.011097	4.43812	0.22251
421	1961	46196	4.66460	.002375	0.011080	4.44049	0.22411
422	1962	46657	4.66892	.002370	0.011064	4.44286	0.22605
423	1963	46973	4.67185	.002364	0.011045	4.44523	0.22662
424	1964	47324	4.67508	.002358	0.011026	4.44760	0.22748
425	1965	47671	4.67825	.002353	0.011008	4.44998	0.22828
426	1966	47966	4.68093	.002347	0.010988	4.45235	0.22859
427	1967	48272	4.68369	.002342	0.010969	4.45472	0.22898
428	1968	48511	4.68584	.002336	0.010948	4.45709	0.22875
429	1969	48738	4.68787	.002331	0.010927	4.45946	0.22841
430	1970	48891	4.68923	.002326	0.010905	4.46183	0.22740
431	1971	49152	4.69154	.002320	0.010885	4.46420	0.22734
432	1972	49327	4.69308	.002315	0.010864	4.46657	0.22651
433	1973	49459	4.69424	.002309	0.010841	4.46894	0.22530
434	1974	49468	4.69432	.002304	0.010816	4.47131	0.22301
435	1975	49470	4.69434	.002299	0.010792	4.47368	0.22066
436	1976	49459	4.69424	.002294	0.010767	4.47606	0.21819
437	1977	49440	4.69408	.002288	0.010742	4.47843	0.21565
438	1978	49443	4.69411	.002283	0.010717	4.48080	0.21331
439	1979	49508	4.69467	.002278	0.010694	4.48317	0.21151
440	1980	49603	4.69551	.002273	0.010672	4.48554	0.20997
441	1981	49634	4.69578	.002268	0.010648	4.48791	0.20787
442	1982	49613	4.69559	.002262	0.010624	4.49028	0.20531
443	1983	49681	4.69619	.002257	0.010601	4.49265	0.20354
444	1984	49810	4.69732	.002252	0.010580	4.49502	0.20229
445	1985	49990	4.69888	.002247	0.010559	4.49739	0.20149
446	1986	50162	4.70038	.002242	0.010539	4.49977	0.20061
447	1987	50321	4.70175	.002237	0.010518	4.50214	0.19961
448	1988	50487	4.70318	.002232	0.010498	4.50451	0.19867

Population (Eng & Wales): 1541-1992  
Input Variables: Pre-Spectral Modelling

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OBS	1	2	3	4	5	6	7
449	1989	50678	4.70482	.002227	0.010478	4.50688	0.19794
450	1990	50869	4.70645	.002222	0.010459	4.50925	0.19720
451	1991	51100	4.70842	.002217	0.010440	4.51162	0.19680
452	1992	51277	4.70992	.002212	0.010420	4.51399	0.19593

Population (Eng & Wales): 1541-1992 34  
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OBS	X1	Y2	Y3
1	1541	3.44510	-0.00201
2	1542	3.44731	0.00171
3	1543	3.44951	0.00212
4	1544	3.45172	0.00488
5	1545	3.45392	0.00198
6	1546	3.45612	-0.00072
7	1547	3.45833	-0.00262
8	1548	3.46053	0.00163
9	1549	3.46274	0.00391
10	1550	3.46494	0.00771
11	1551	3.46714	0.01157
12	1552	3.46935	0.01280
13	1553	3.47155	0.01418
14	1554	3.47376	0.01617
15	1555	3.47596	0.01755
16	1556	3.47816	0.02134
17	1557	3.48037	0.01833
18	1558	3.48257	0.00671
19	1559	3.48478	-0.00976
20	1560	3.48698	-0.01518
21	1561	3.48918	-0.01430
22	1562	3.49139	-0.01203
23	1563	3.49359	-0.00955
24	1564	3.49580	-0.01003
25	1565	3.49800	-0.00637
26	1566	3.50020	-0.00490
27	1567	3.50241	-0.00334
28	1568	3.50461	0.00113
29	1569	3.50682	0.00240
30	1570	3.50902	0.00346
31	1571	3.51122	0.00344
32	1572	3.51343	0.00547
33	1573	3.51563	0.00586
34	1574	3.51784	0.00638
35	1575	3.52004	0.00849
36	1576	3.52224	0.01085
37	1577	3.52445	0.01404
38	1578	3.52665	0.01651
39	1579	3.52886	0.01843
40	1580	3.53106	0.02138
41	1581	3.53326	0.02276
42	1582	3.53547	0.02531
43	1583	3.53767	0.02904
44	1584	3.53988	0.03228
45	1585	3.54208	0.03348
46	1586	3.54428	0.03616
47	1587	3.54649	0.03601
48	1588	3.54869	0.03242
49	1589	3.55090	0.03444
50	1590	3.55310	0.03750
51	1591	3.55530	0.03567
52	1592	3.55751	0.03422
53	1593	3.55971	0.03182
54	1594	3.56192	0.03338
55	1595	3.56412	0.03628

Population (Eng & Wales): 1541-1992 35  
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OBS	X1	Y2	Y3
56	1596	3.56632	0.03699
57	1597	3.56853	0.03461
58	1598	3.57073	0.02971
59	1599	3.57294	0.03128
60	1600	3.57514	0.03404
61	1601	3.57734	0.03650
62	1602	3.57955	0.03692
63	1603	3.58175	0.03691
64	1604	3.58396	0.03572
65	1605	3.58616	0.03860
66	1606	3.58836	0.04036
67	1607	3.59057	0.04320
68	1608	3.59277	0.04468
69	1609	3.59498	0.04611
70	1610	3.59718	0.04524
71	1611	3.59938	0.04568
72	1612	3.60159	0.04567
73	1613	3.60379	0.04545
74	1614	3.60600	0.04324
75	1615	3.60820	0.04446
76	1616	3.61040	0.04376
77	1617	3.61261	0.04208
78	1618	3.61481	0.04278
79	1619	3.61702	0.04479
80	1620	3.61922	0.04679
81	1621	3.62142	0.05003
82	1622	3.62363	0.05357
83	1623	3.62583	0.05284
84	1624	3.62804	0.04919
85	1625	3.63024	0.04660
86	1626	3.63244	0.04149
87	1627	3.63465	0.04097
88	1628	3.63685	0.04359
89	1629	3.63906	0.04509
90	1630	3.64126	0.04752
91	1631	3.64346	0.04608
92	1632	3.64567	0.04503
93	1633	3.64787	0.04731
94	1634	3.65008	0.04864
95	1635	3.65228	0.04975
96	1636	3.65448	0.04950
97	1637	3.65669	0.04877
98	1638	3.65889	0.04726
99	1639	3.66110	0.04229
100	1640	3.66330	0.04042
101	1641	3.66550	0.04137
102	1642	3.66771	0.04092
103	1643	3.66991	0.04082
104	1644	3.67212	0.03720
105	1645	3.67432	0.03581
106	1646	3.67652	0.03752
107	1647	3.67873	0.03848
108	1648	3.68093	0.03726
109	1649	3.68314	0.03526
110	1650	3.68534	0.03238

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Population (Eng & Wales): 1541-1992  
 Pre-Spectral Modelling Variables  
 Heteroscedasticity Reduced:200-yr step Model  
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Population (Eng & Wales): 1541-1992  
 Pre-Spectral Modelling Variables  
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OBS	X1	Y2	Y3
111	1651	3.68754	0.03083
112	1652	3.68975	0.02955
113	1653	3.69195	0.02687
114	1654	3.69416	0.02343
115	1655	3.69636	0.02348
116	1656	3.69856	0.02418
117	1657	3.70077	0.02219
118	1658	3.70297	0.01353
119	1659	3.70518	0.00548
120	1660	3.70738	0.00271
121	1661	3.70958	0.00144
122	1662	3.71179	-0.00283
123	1663	3.71399	-0.00603
124	1664	3.71620	-0.00613
125	1665	3.71840	-0.01001
126	1666	3.72060	-0.01584
127	1667	3.72281	-0.01873
128	1668	3.72501	-0.02202
129	1669	3.72722	-0.02508
130	1670	3.72942	-0.02856
131	1671	3.73162	-0.03416
132	1672	3.73383	-0.03718
133	1673	3.73603	-0.03765
134	1674	3.73824	-0.03853
135	1675	3.74044	-0.04071
136	1676	3.74264	-0.04337
137	1677	3.74485	-0.04404
138	1678	3.74705	-0.04326
139	1679	3.74926	-0.04823
140	1680	3.75146	-0.05344
141	1681	3.75366	-0.06078
142	1682	3.75587	-0.06566
143	1683	3.75807	-0.06909
144	1684	3.76028	-0.07114
145	1685	3.76248	-0.07488
146	1686	3.76468	-0.07762
147	1687	3.76689	-0.07854
148	1688	3.76909	-0.07919
149	1689	3.77130	-0.07961
150	1690	3.77350	-0.08188
151	1691	3.77570	-0.08281
152	1692	3.77791	-0.08459
153	1693	3.78011	-0.08435
154	1694	3.78232	-0.08767
155	1695	3.78452	-0.08985
156	1696	3.78672	-0.09109
157	1697	3.78893	-0.09186
158	1698	3.79113	-0.09237
159	1699	3.79334	-0.09306
160	1700	3.79554	-0.09425
161	1701	3.79774	-0.09378
162	1702	3.79995	-0.09306
163	1703	3.80215	-0.09170
164	1704	3.80436	-0.09198
165	1705	3.80656	-0.09330

OBS	X1	Y2	Y3
166	1706	3.80876	-0.09427
167	1707	3.81097	-0.09506
168	1708	3.81317	-0.09592
169	1709	3.81538	-0.09729
170	1710	3.81758	-0.09840
171	1711	3.81978	-0.10125
172	1712	3.82199	-0.10448
173	1713	3.82419	-0.10612
174	1714	3.82640	-0.10688
175	1715	3.82860	-0.10875
176	1716	3.83080	-0.10850
177	1717	3.83301	-0.10791
178	1718	3.83521	-0.10739
179	1719	3.83742	-0.10679
180	1720	3.83962	-0.11063
181	1721	3.84182	-0.11343
182	1722	3.84403	-0.11540
183	1723	3.84623	-0.11618
184	1724	3.84844	-0.11703
185	1725	3.85064	-0.11775
186	1726	3.85284	-0.11645
187	1727	3.85505	-0.11624
188	1728	3.85725	-0.12281
189	1729	3.85946	-0.13228
190	1730	3.86166	-0.13992
191	1731	3.86386	-0.14260
192	1732	3.86607	-0.14312
193	1733	3.86827	-0.14315
194	1734	3.87048	-0.14105
195	1735	3.87268	-0.13956
196	1736	3.87488	-0.13846
197	1737	3.87709	-0.13824
198	1738	3.87929	-0.13859
199	1739	3.88150	-0.13825
200	1740	3.88370	-0.13826
201	1741	3.88590	-0.13957
202	1742	3.88811	-0.14644
203	1743	3.89031	-0.14899
204	1744	3.89252	-0.14840
205	1745	3.89472	-0.14626
206	1746	3.89692	-0.14605
207	1747	3.89913	-0.14649
208	1748	3.90133	-0.14783
209	1749	3.90354	-0.14745
210	1750	3.90574	-0.14687
211	1751	3.90794	-0.14659
212	1752	3.91015	-0.14593
213	1753	3.91235	-0.14476
214	1754	3.91456	-0.14370
215	1755	3.91676	-0.14276
216	1756	3.91896	0.02000
217	1757	3.92116	0.01730
218	1758	3.92336	0.01388
219	1759	3.92556	0.01093
220	1760	3.92776	0.00900

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Population (Eng & Wales): 1541-1992  
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Population (Eng & Wales): 1541-1992  
 Pre-Spectral Modelling Variables  
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OBS	X1	Y2	Y3
221	1761	3.78113	0.00752
222	1762	3.78582	0.00470
223	1763	3.79052	-0.00077
224	1764	3.79521	-0.00317
225	1765	3.79990	-0.00433
226	1766	3.80459	-0.00683
227	1767	3.80928	-0.01029
228	1768	3.81398	-0.01365
229	1769	3.81867	-0.01538
230	1770	3.82336	-0.01683
231	1771	3.82805	-0.01864
232	1772	3.83274	-0.01991
233	1773	3.83744	-0.02106
234	1774	3.84213	-0.02248
235	1775	3.84682	-0.02241
236	1776	3.85151	-0.02283
237	1777	3.85620	-0.02319
238	1778	3.86090	-0.02321
239	1779	3.86559	-0.02365
240	1780	3.87028	-0.02586
241	1781	3.87497	-0.02727
242	1782	3.87966	-0.03031
243	1783	3.88436	-0.03148
244	1784	3.88905	-0.03508
245	1785	3.89374	-0.03537
246	1786	3.89843	-0.03576
247	1787	3.90312	-0.03562
248	1788	3.90782	-0.03499
249	1789	3.91251	-0.03498
250	1790	3.91720	-0.03364
251	1791	3.92189	-0.03316
252	1792	3.92658	-0.03215
253	1793	3.93128	-0.03163
254	1794	3.93597	-0.03154
255	1795	3.94066	-0.03213
256	1796	3.94535	-0.03162
257	1797	3.95004	-0.03175
258	1798	3.95474	-0.03052
259	1799	3.95943	-0.02998
260	1800	3.96412	-0.02932
261	1801	3.96881	-0.03107
262	1802	3.97350	-0.03258
263	1803	3.97820	-0.03191
264	1804	3.98289	-0.03064
265	1805	3.98758	-0.02774
266	1806	3.99227	-0.02530
267	1807	3.99696	-0.02383
268	1808	4.00166	-0.02265
269	1809	4.00635	-0.02179
270	1810	4.01104	-0.02148
271	1811	4.01573	-0.02072
272	1812	4.02042	-0.01999
273	1813	4.02512	-0.01809
274	1814	4.02981	-0.01711
275	1815	4.03450	-0.01410

OBS	X1	Y2	Y3
276	1816	4.03919	-0.01178
277	1817	4.04388	-0.00936
278	1818	4.04858	-0.00777
279	1819	4.05327	-0.00593
280	1820	4.05796	-0.00488
281	1821	4.06265	-0.00226
282	1822	4.06734	0.00039
283	1823	4.07204	0.00260
284	1824	4.07673	0.00437
285	1825	4.08142	0.00652
286	1826	4.08611	0.00769
287	1827	4.09080	0.00832
288	1828	4.09550	0.01042
289	1829	4.10019	0.01161
290	1830	4.10488	0.01257
291	1831	4.10957	0.01375
292	1832	4.11426	0.01350
293	1833	4.11896	0.01415
294	1834	4.12365	0.01549
295	1835	4.12834	0.01570
296	1836	4.13303	0.01637
297	1837	4.13772	0.01679
298	1838	4.14242	0.01693
299	1839	4.14711	0.01774
300	1840	4.15180	0.01839
301	1841	4.15649	0.01874
302	1842	4.16118	0.01958
303	1843	4.16588	0.01996
304	1844	4.17057	0.02078
305	1845	4.17526	0.02113
306	1846	4.17995	0.02237
307	1847	4.18464	0.02106
308	1848	4.18934	0.01973
309	1849	4.19403	0.02006
310	1850	4.19872	0.01917
311	1851	4.20341	0.02024
312	1852	4.20810	0.02113
313	1853	4.21280	0.02133
314	1854	4.21749	0.02188
315	1855	4.22218	0.02126
316	1856	4.22687	0.02267
317	1857	4.23156	0.02407
318	1858	4.23626	0.02445
319	1859	4.24095	0.02487
320	1860	4.24564	0.02579
321	1861	4.25033	0.02699
322	1862	4.25502	0.02822
323	1863	4.25972	0.02929
324	1864	4.26441	0.02982
325	1865	4.26910	0.03042
326	1866	4.27379	0.03084
327	1867	4.27848	0.03171
328	1868	4.28318	0.03332
329	1869	4.28787	0.03392
330	1870	4.29256	0.03459

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Population (Eng & Wales): 1541-1992  
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OBS	X1	Y2	Y3
331	1871	4.29725	0.03520
332	1872	4.30194	0.06159
333	1873	4.30664	0.06273
334	1874	4.31133	0.06386
335	1875	4.31602	0.06500
336	1876	4.32071	0.06614
337	1877	4.32540	0.06729
338	1878	4.33010	0.06842
339	1879	4.33479	0.06955
340	1880	4.33948	0.07069
341	1881	4.34417	0.07157
342	1882	4.34886	0.07165
343	1883	4.35356	0.07177
344	1884	4.35825	0.07186
345	1885	4.36294	0.07195
346	1886	4.36763	0.07205
347	1887	4.37232	0.07214
348	1888	4.37702	0.07225
349	1889	4.38171	0.07234
350	1890	4.38640	0.07245
351	1891	4.39109	0.07259
352	1892	4.39578	0.07287
353	1893	4.40048	0.07317
354	1894	4.40517	0.07346
355	1895	4.40986	0.07374
356	1896	4.41455	0.07404
357	1897	4.41924	0.07433
358	1898	4.42394	0.07462
359	1899	4.42863	0.07490
360	1900	4.43332	0.07520
361	1901	4.43801	0.07537
362	1902	4.44270	0.07516
363	1903	4.44740	0.07496
364	1904	4.45209	0.07476
365	1905	4.45678	0.07456
366	1906	4.46147	0.07435
367	1907	4.46616	0.07415
368	1908	4.47086	0.07394
369	1909	4.47555	0.07375
370	1910	4.48024	0.07355
371	1911	4.48493	0.07301
372	1912	4.48962	0.07061
373	1913	4.49432	0.06886
374	1914	4.49901	0.06881
375	1915	4.50370	0.04388
376	1916	4.50839	0.03121
377	1917	4.51308	0.02090
378	1918	4.51778	0.01401
379	1919	4.52247	0.02687
380	1920	4.52716	0.04393
381	1921	4.53185	0.04715
382	1922	4.53654	0.04558
383	1923	4.54124	0.04365
384	1924	4.54593	0.04285
385	1925	4.55062	0.03972

OBS	X1	Y2	Y3
441	1981	4.81337	-0.11759
442	1982	4.81806	-0.12247
443	1983	4.82276	-0.12657
444	1984	4.82745	-0.13013
445	1985	4.83214	-0.13326
446	1986	4.83683	-0.13646
447	1987	4.84152	-0.13977
448	1988	4.84622	-0.14304
449	1989	4.85091	-0.14609
450	1990	4.85560	-0.14915
451	1991	4.86029	-0.15187
452	1992	4.86498	-0.15506

OBS	X1	Y2	Y3
386	1926	4.55531	0.03702
387	1927	4.56000	0.03423
388	1928	4.56470	0.03171
389	1929	4.56939	0.02831
390	1930	4.57408	0.02581
391	1931	4.57877	0.02316
392	1932	4.58346	0.02077
393	1933	4.58816	0.01769
394	1934	4.59285	0.01425
395	1935	4.59754	0.01147
396	1936	4.60223	0.00884
397	1937	4.60692	0.00619
398	1938	4.61162	0.00344
399	1939	4.61631	0.00132
400	1940	4.62100	0.00082
401	1941	4.62569	-0.00506
402	1942	4.63038	-0.00820
403	1943	4.63508	-0.00916
404	1944	4.63977	-0.01190
405	1945	4.64446	-0.01468
406	1946	4.64915	-0.01872
407	1947	4.65384	-0.01987
408	1948	4.65854	-0.02003
409	1949	4.66323	-0.02190
410	1950	4.66792	-0.02427
411	1951	4.67261	-0.03099
412	1952	4.67730	-0.03430
413	1953	4.68200	-0.03747
414	1954	4.68669	-0.04054
415	1955	4.69138	-0.04360
416	1956	4.69607	-0.04609
417	1957	4.70076	-0.04845
418	1958	4.70546	-0.05119
419	1959	4.71015	-0.05323
420	1960	4.71484	-0.05421
421	1961	4.71953	-0.05493
422	1962	4.72422	-0.05531
423	1963	4.72892	-0.05707
424	1964	4.73361	-0.05853
425	1965	4.73830	-0.06005
426	1966	4.74299	-0.06206
427	1967	4.74768	-0.06399
428	1968	4.75238	-0.06654
429	1969	4.75707	-0.06920
430	1970	4.76176	-0.07253
431	1971	4.76645	-0.07491
432	1972	4.77114	-0.07806
433	1973	4.77584	-0.08159
434	1974	4.78053	-0.08620
435	1975	4.78522	-0.09088
436	1976	4.78991	-0.09567
437	1977	4.79460	-0.10053
438	1978	4.79930	-0.10519
439	1979	4.80399	-0.10931
440	1980	4.80868	-0.11317

VAR. 44



War (Battle Fatalities): 1495-1992  
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VAR. 45

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OBS	Time 1	Raw Data 2	Log of data 3	1/x 4	y/x 5	Trend 6	Residual 7
1	1495	2.0	0.30103	1.00000	0.30103	0.33605	-0.03502
2	1496	4.0	0.60206	0.50000	0.30103	0.33959	0.26247
3	1497	2.0	0.30103	0.33333	0.10034	0.34314	-0.04211
4	1498	0.0	0.00000	0.25000	0.00000	0.34668	-0.34668
5	1499	0.0	0.00000	0.20000	0.00000	0.35023	-0.35023
6	1500	0.0	0.00000	0.16667	0.00000	0.35377	-0.35377
7	1501	3.0	0.47712	0.14286	0.06816	0.35732	0.11980
8	1502	6.0	0.77815	0.12500	0.09727	0.36086	0.41729
9	1503	6.0	0.77815	0.11111	0.08646	0.36441	0.41374
10	1504	3.0	0.47712	0.10000	0.04771	0.36795	0.10917
11	1505	0.0	0.00000	0.09091	0.00000	0.37150	-0.37150
12	1506	0.0	0.00000	0.08333	0.00000	0.37504	-0.37504
13	1507	0.0	0.00000	0.07692	0.00000	0.37859	-0.37859
14	1508	0.0	0.00000	0.07143	0.00000	0.38213	-0.38213
15	1509	0.0	0.00000	0.06667	0.00000	0.38568	-0.38568
16	1510	0.0	0.00000	0.06250	0.00000	0.38922	-0.38922
17	1511	3.0	0.47712	0.05882	0.02807	0.39277	0.08435
18	1512	7.7	0.88649	0.05556	0.04925	0.39631	0.49018
19	1513	9.4	0.97313	0.05263	0.05122	0.39986	0.57327
20	1514	6.4	0.80618	0.05000	0.04031	0.40340	0.40278
21	1515	6.4	0.80618	0.04762	0.03839	0.40695	0.39923
22	1516	3.4	0.53148	0.04546	0.02416	0.41049	0.12099
23	1517	3.4	0.53148	0.04348	0.02311	0.41404	0.11744
24	1518	3.4	0.53148	0.04167	0.02215	0.41758	0.11390
25	1519	1.7	0.23045	0.04000	0.00922	0.42113	-0.19068
26	1520	0.0	0.00000	0.03846	0.00000	0.42467	-0.42467
27	1521	6.4	0.80618	0.03704	0.02986	0.42822	0.37796
28	1522	12.8	1.10721	0.03571	0.03954	0.43176	0.67545
29	1523	12.8	1.10721	0.03448	0.03818	0.43531	0.67190
30	1524	12.8	1.10721	0.03333	0.03691	0.43885	0.66836
31	1525	12.8	1.10721	0.03226	0.03572	0.44240	0.66481
32	1526	12.8	1.10721	0.03125	0.03460	0.44594	0.66127
33	1527	12.8	1.10721	0.03030	0.03355	0.44949	0.65772
34	1528	12.8	1.10721	0.02941	0.03256	0.45303	0.65418
35	1529	9.8	0.99123	0.02857	0.02832	0.45658	0.53465
36	1530	6.8	0.83251	0.02778	0.02313	0.46012	0.37238
37	1531	3.4	0.53148	0.02703	0.01436	0.46367	0.06781
38	1532	4.7	0.67210	0.02632	0.01769	0.46721	0.20488
39	1533	9.3	0.96848	0.02564	0.02483	0.47076	0.49772
40	1534	9.3	0.96848	0.02500	0.02421	0.47430	0.49418
41	1535	4.7	0.67210	0.02439	0.01639	0.47785	0.19425
42	1536	8.0	0.90309	0.02381	0.02150	0.48139	0.42170
43	1537	20.9	1.32015	0.02326	0.03070	0.48494	0.83521
44	1538	17.7	1.24797	0.02273	0.02836	0.48848	0.75949
45	1539	9.7	0.98677	0.02222	0.02193	0.49203	0.49474
46	1540	9.7	0.98677	0.02174	0.02145	0.49557	0.49120
47	1541	9.7	0.98677	0.02128	0.02100	0.49912	0.48765
48	1542	21.5	1.33244	0.02083	0.02776	0.50266	0.82977
49	1543	33.2	1.52114	0.02041	0.03104	0.50621	1.01493
50	1544	23.5	1.37107	0.02000	0.02742	0.50975	0.86131
51	1545	13.7	1.13672	0.01961	0.02229	0.51330	0.62342
52	1546	11.7	1.06819	0.01923	0.02054	0.51684	0.55134
53	1547	4.8	0.68124	0.01887	0.01285	0.52039	0.16085
54	1548	0.0	0.00000	0.01852	0.00000	0.52393	-0.52393
55	1549	3.0	0.47712	0.01818	0.00868	0.52748	-0.05036
56	1550	3.0	0.47712	0.01786	0.00852	0.53102	-0.05390

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OBS	1	2	3	4	5	6	7
57	1551	4.4	0.64345	0.017544	0.011289	0.53457	0.10888
58	1552	15.2	1.18184	0.017241	0.020377	0.53811	0.64373
59	1553	21.5	1.33244	0.016949	0.022584	0.54166	0.79078
60	1554	21.5	1.33244	0.016667	0.022207	0.54520	0.78723
61	1555	21.5	1.33244	0.016393	0.021843	0.54875	0.78369
62	1556	19.1	1.28103	0.016129	0.020662	0.55229	0.72874
63	1557	16.7	1.22272	0.015873	0.019408	0.55584	0.66688
64	1558	16.7	1.22272	0.015625	0.019105	0.55938	0.66333
65	1559	18.1	1.25768	0.015385	0.019349	0.56293	0.69475
66	1560	16.5	1.21748	0.015152	0.018447	0.56647	0.65101
67	1561	13.5	1.13033	0.014925	0.016871	0.57002	0.56032
68	1562	10.6	1.02531	0.014706	0.015078	0.57356	0.45174
69	1563	7.8	0.89210	0.014493	0.012929	0.57711	0.31499
70	1564	3.9	0.59106	0.014286	0.008444	0.58065	0.01041
71	1565	4.0	0.60206	0.014085	0.008480	0.58420	0.01786
72	1566	8.0	0.90309	0.013889	0.012543	0.58774	0.31535
73	1567	8.0	0.90309	0.013699	0.012371	0.59129	0.31180
74	1568	4.0	0.60206	0.013514	0.008136	0.59483	0.00723
75	1569	2.2	0.34242	0.013333	0.004566	0.59838	-0.25596
76	1570	4.4	0.64345	0.013158	0.008466	0.60192	0.04153
77	1571	4.4	0.64345	0.012987	0.008357	0.60547	0.03798
78	1572	4.4	0.64345	0.012821	0.008249	0.60901	0.03444
79	1573	4.4	0.64345	0.012658	0.008145	0.61256	0.03089
80	1574	4.4	0.64345	0.012500	0.008043	0.61610	0.02735
81	1575	4.4	0.64345	0.012346	0.007944	0.61965	0.02380
82	1576	7.8	0.89210	0.012195	0.010879	0.62319	0.26890
83	1577	11.2	1.04922	0.012048	0.012641	0.62674	0.42248
84	1578	11.2	1.04922	0.011905	0.012491	0.63028	0.41893
85	1579	11.2	1.04922	0.011765	0.012344	0.63383	0.41539
86	1580	9.0	0.95424	0.011628	0.011096	0.63737	0.31687
87	1581	6.9	0.83885	0.011494	0.009642	0.64092	0.19793
88	1582	6.9	0.83885	0.011364	0.009532	0.64446	0.19439
89	1583	3.4	0.53148	0.011236	0.005972	0.64801	-0.11653
90	1584	0.0	0.00000	0.011111	0.000000	0.65155	-0.65155
91	1585	1.3	0.11394	0.010989	0.001252	0.65510	-0.54116
92	1586	2.5	0.39794	0.010870	0.004325	0.65864	-0.26070
93	1587	2.5	0.39794	0.010753	0.004279	0.66219	-0.26425
94	1588	2.5	0.39794	0.010638	0.004233	0.66573	-0.26779
95	1589	3.4	0.53148	0.010526	0.005595	0.66928	-0.13780
96	1590	4.3	0.63347	0.010417	0.006599	0.67282	-0.03936
97	1591	4.3	0.63347	0.010309	0.006531	0.67637	-0.04290
98	1592	4.3	0.63347	0.010204	0.006464	0.67991	-0.04645
99	1593	7.8	0.89210	0.010101	0.009011	0.68346	0.20864
100	1594	11.2	1.04922	0.010000	0.010492	0.68700	0.36221
101	1595	11.2	1.04922	0.009901	0.010388	0.69055	0.35867
102	1596	11.2	1.04922	0.009804	0.010286	0.69409	0.35512
103	1597	11.2	1.04922	0.009709	0.010187	0.69764	0.35158
104	1598	10.3	1.01284	0.009615	0.009739	0.70118	0.31165
105	1599	9.4	0.97313	0.009524	0.009268	0.70473	0.26840
106	1600	9.4	0.97313	0.009434	0.009180	0.70827	0.26485
107	1601	9.4	0.97313	0.009346	0.009095	0.71182	0.26131
108	1602	9.4	0.97313	0.009259	0.009010	0.71536	0.25776
109	1603	9.4	0.97313	0.009174	0.008928	0.71891	0.25422
110	1604	8.2	0.91381	0.009091	0.008307	0.72245	0.19136
111	1605	6.9	0.83885	0.009009	0.007557	0.72600	0.11285
112	1606	3.5	0.54407	0.008929	0.004858	0.72954	-0.18548

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OBS	1	2	3	4	5	6	7
113	1607	0.0	0.00000	.008850	0.000000	0.73309	-0.73309
114	1608	0.0	0.00000	.008772	0.000000	0.73663	-0.73663
115	1609	0.0	0.00000	.008696	0.000000	0.74018	-0.74018
116	1610	1.9	0.27875	.008621	0.002403	0.74372	-0.46497
117	1611	3.7	0.56820	.008547	0.004856	0.74727	-0.17907
118	1612	3.7	0.56820	.008475	0.004815	0.75081	-0.18261
119	1613	3.7	0.56820	.008403	0.004775	0.75436	-0.18616
120	1614	1.9	0.27875	.008333	0.002323	0.75790	-0.47915
121	1615	0.0	0.00000	.008264	0.000000	0.76145	-0.76145
122	1616	0.0	0.00000	.008197	0.000000	0.76499	-0.76499
123	1617	0.0	0.00000	.008130	0.000000	0.76854	-0.76854
124	1618	24.7	1.39270	.008065	0.011231	0.77208	0.62061
125	1619	46.4	1.66652	.008000	0.013332	0.77563	0.89089
126	1620	43.4	1.63749	.007937	0.012996	0.77917	0.85832
127	1621	43.4	1.63749	.007874	0.012894	0.78272	0.85477
128	1622	43.4	1.63749	.007813	0.012793	0.78626	0.85123
129	1623	43.4	1.63749	.007752	0.012694	0.78981	0.84768
130	1624	43.4	1.63749	.007692	0.012596	0.79335	0.84414
131	1625	51.9	1.71517	.007634	0.013093	0.79690	0.91827
132	1626	60.4	1.78104	.007576	0.013493	0.80044	0.98059
133	1627	60.4	1.78104	.007519	0.013391	0.80399	0.97705
134	1628	60.4	1.78104	.007463	0.013291	0.80753	0.97350
135	1629	60.4	1.78104	.007407	0.013193	0.81108	0.96996
136	1630	61.6	1.78958	.007353	0.013159	0.81462	0.97496
137	1631	62.8	1.79796	.007299	0.013124	0.81817	0.97979
138	1632	62.8	1.79796	.007246	0.013029	0.82171	0.97625
139	1633	62.8	1.79796	.007194	0.012935	0.82526	0.97270
140	1634	62.8	1.79796	.007143	0.012843	0.82880	0.96916
141	1635	75.7	1.87910	.007092	0.013327	0.83235	1.04675
142	1636	88.5	1.94694	.007042	0.013711	0.83589	1.11105
143	1637	88.5	1.94694	.006993	0.013615	0.83944	1.10750
144	1638	88.5	1.94694	.006944	0.013520	0.84298	1.10396
145	1639	88.5	1.94694	.006897	0.013427	0.84653	1.10041
146	1640	88.5	1.94694	.006849	0.013335	0.85007	1.09687
147	1641	88.5	1.94694	.006803	0.013245	0.85362	1.09332
148	1642	88.5	1.94694	.006757	0.013155	0.85716	1.08978
149	1643	88.5	1.94694	.006711	0.013067	0.86071	1.08623
150	1644	88.5	1.94694	.006667	0.012980	0.86425	1.08269
151	1645	88.5	1.94694	.006623	0.012894	0.86780	1.07914
152	1646	88.5	1.94694	.006579	0.012809	0.87134	1.07560
153	1647	88.5	1.94694	.006536	0.012725	0.87489	1.07205
154	1648	49.2	1.69196	.006494	0.010987	0.87843	0.81353
155	1649	9.8	0.99123	.006452	0.006395	0.88198	0.10925
156	1650	9.8	0.99123	.006410	0.006354	0.88552	0.10570
157	1651	9.8	0.99123	.006369	0.006314	0.88907	0.10216
158	1652	14.2	1.15229	.006329	0.007293	0.89261	0.25967
159	1653	18.5	1.26717	.006289	0.007970	0.89616	0.37101
160	1654	20.3	1.30750	.006250	0.008172	0.89970	0.40779
161	1655	17.8	1.25042	.006211	0.007767	0.90325	0.34717
162	1656	16.0	1.20412	.006173	0.007433	0.90679	0.29733
163	1657	26.3	1.41996	.006135	0.008711	0.91034	0.50962
164	1658	34.1	1.53275	.006098	0.009346	0.91388	0.61887
165	1659	26.6	1.42488	.006061	0.008636	0.91743	0.50745
166	1660	17.4	1.24055	.006024	0.007473	0.92097	0.31957
167	1661	15.6	1.19313	.005988	0.007144	0.92452	0.26861
168	1662	15.6	1.19313	.005952	0.007102	0.92806	0.26506

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OBS	1	2	3	4	5	6	7
169	1663	15.6	1.19313	.005917	0.007060	0.93161	0.26152
170	1664	7.8	0.89210	.005882	0.005248	0.93515	-0.04306
171	1665	9.2	0.96379	.005848	0.005636	0.93870	0.02509
172	1666	18.5	1.26717	.005814	0.007367	0.94224	0.32493
173	1667	11.2	1.04922	.005780	0.006065	0.94579	0.10343
174	1668	2.0	0.30103	.005747	0.001730	0.94933	-0.64830
175	1669	0.0	0.00000	.005714	0.000000	0.95288	-0.95288
176	1670	0.0	0.00000	.005682	0.000000	0.95642	-0.95642
177	1671	0.0	0.00000	.005650	0.000000	0.95997	-0.95997
178	1672	28.5	1.45484	.005618	0.008173	0.96351	0.49133
179	1673	57.0	1.75588	.005587	0.009809	0.96706	0.78882
180	1674	57.0	1.75588	.005556	0.009755	0.97060	0.78527
181	1675	57.0	1.75588	.005525	0.009701	0.97415	0.78173
182	1676	57.0	1.75588	.005495	0.009648	0.97769	0.77818
183	1677	57.0	1.75588	.005464	0.009595	0.98124	0.77464
184	1678	28.5	1.45484	.005435	0.007907	0.98478	0.47006
185	1679	0.0	0.00000	.005405	0.000000	0.98833	-0.98833
186	1680	0.0	0.00000	.005376	0.000000	0.99187	-0.99187
187	1681	0.0	0.00000	.005348	0.000000	0.99542	-0.99542
188	1682	11.3	1.05308	.005319	0.005601	0.99896	0.05411
189	1683	25.1	1.39967	.005291	0.007406	1.00251	0.39716
190	1684	25.1	1.39967	.005263	0.007367	1.00605	0.39362
191	1685	22.6	1.35411	.005236	0.007090	1.00960	0.34451
192	1686	22.6	1.35411	.005208	0.007053	1.01314	0.34096
193	1687	22.6	1.35411	.005181	0.007016	1.01669	0.33742
194	1688	60.4	1.78104	.005155	0.009181	1.02023	0.76080
195	1689	98.1	1.99167	.005128	0.010214	1.02378	0.96789
196	1690	98.1	1.99167	.005102	0.010162	1.02732	0.96435
197	1691	98.1	1.99167	.005076	0.010110	1.03087	0.96080
198	1692	98.1	1.99167	.005051	0.010059	1.03441	0.95725
199	1693	98.1	1.99167	.005025	0.010008	1.03796	0.95371
200	1694	98.1	1.99167	.005000	0.009958	1.04150	0.95017
201	1695	98.1	1.99167	.004975	0.009909	1.04505	0.94662
202	1696	98.1	1.99167	.004950	0.009860	1.04859	0.94308
203	1697	60.4	1.78104	.004926	0.008774	1.05214	0.72890
204	1698	22.6	1.35411	.004902	0.006638	1.05568	0.29842
205	1699	11.3	1.05308	.004878	0.005137	1.05923	-0.00615
206	1700	1.5	0.17609	.004854	0.000855	1.06277	-0.88668
207	1701	55.2	1.74194	.004831	0.008415	1.06632	0.67562
208	1702	107.3	2.03060	.004808	0.009762	1.06986	0.96074
209	1703	107.3	2.03060	.004785	0.009716	1.07341	0.95719
210	1704	107.3	2.03060	.004762	0.009670	1.07695	0.95365
211	1705	107.3	2.03060	.004739	0.009624	1.08050	0.95010
212	1706	107.3	2.03060	.004717	0.009578	1.08404	0.94656
213	1707	107.3	2.03060	.004695	0.009533	1.08759	0.94301
214	1708	107.3	2.03060	.004673	0.009489	1.09113	0.93947
215	1709	107.3	2.03060	.004651	0.009445	1.09468	0.93592
216	1710	107.3	2.03060	.004630	0.009401	1.09822	0.93238
217	1711	107.3	2.03060	.004608	0.009358	1.10177	0.92883
218	1712	107.3	2.03060	.004587	0.009315	1.10531	0.92529
219	1713	55.2	1.74194	.004566	0.007954	1.10886	0.63308
220	1714	3.0	0.47712	.004545	0.002169	1.11240	-0.63528
221	1715	3.0	0.47712	.004525	0.002159	1.11595	-0.63883
222	1716	3.0	0.47712	.004505	0.002149	1.11949	-0.64237
223	1717	3.0	0.47712	.004484	0.002140	1.12304	-0.64592
224	1718	9.3	0.96848	.004464	0.004324	1.12658	-0.15810

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OBS	1	2	3	4	5	6	7
225	1719	15.5	1.19033	.004444	.005290	1.13013	0.06020
226	1720	9.3	0.96848	.004425	.004285	1.13367	-0.16519
227	1721	1.5	0.17609	.004405	.000776	1.13722	-0.96113
228	1722	0.0	0.00000	.004386	.000000	1.14076	-1.14076
229	1723	0.0	0.00000	.004367	.000000	1.14431	-1.14431
230	1724	0.0	0.00000	.004348	.000000	1.14785	-1.14785
231	1725	0.0	0.00000	.004329	.000000	1.15140	-1.15140
232	1726	2.5	0.39794	.004310	.001715	1.15494	-0.75700
233	1727	5.0	0.69897	.004292	.003000	1.15849	-0.45952
234	1728	5.0	0.69897	.004274	.002987	1.16203	-0.46306
235	1729	2.5	0.39794	.004255	.001693	1.16558	-0.76764
236	1730	0.0	0.00000	.004237	.000000	1.16912	-1.16912
237	1731	0.0	0.00000	.004219	.000000	1.17267	-1.17267
238	1732	0.0	0.00000	.004202	.000000	1.17621	-1.17621
239	1733	8.8	0.94448	.004184	.003952	1.17976	-0.23528
240	1734	17.6	1.24551	.004167	.005190	1.18330	0.06221
241	1735	17.6	1.24551	.004149	.005168	1.18685	0.05866
242	1736	17.6	1.24551	.004132	.005147	1.19039	0.05512
243	1737	17.6	1.24551	.004115	.005126	1.19394	0.05157
244	1738	8.8	0.94448	.004098	.003871	1.19748	-0.25300
245	1739	19.9	1.29885	.004082	.005301	1.20103	0.09782
246	1740	39.9	1.60097	.004065	.006508	1.20457	0.39640
247	1741	39.9	1.60097	.004049	.006482	1.20812	0.39285
248	1742	39.9	1.60097	.004032	.006456	1.21166	0.38931
249	1743	39.9	1.60097	.004016	.006430	1.21521	0.38576
250	1744	39.9	1.60097	.004000	.006404	1.21875	0.38222
251	1745	39.9	1.60097	.003984	.006378	1.22230	0.37867
252	1746	39.9	1.60097	.003968	.006353	1.22584	0.37513
253	1747	39.9	1.60097	.003953	.006328	1.22939	0.37158
254	1748	19.9	1.29885	.003937	.005114	1.23293	0.06592
255	1749	0.0	0.00000	.003922	.000000	1.23648	-1.23648
256	1750	0.0	0.00000	.003906	.000000	1.24002	-1.24002
257	1751	0.0	0.00000	.003891	.000000	1.24357	-1.24357
258	1752	0.0	0.00000	.003876	.000000	1.24711	-1.24711
259	1753	0.0	0.00000	.003861	.000000	1.25066	-1.25066
260	1754	0.0	0.00000	.003846	.000000	1.25420	-1.25420
261	1755	62.0	1.79239	.003831	.006867	1.25775	0.53464
262	1756	124.0	2.09342	.003817	.007990	1.26129	0.83213
263	1757	124.0	2.09342	.003802	.007960	1.26484	0.82858
264	1758	124.0	2.09342	.003788	.007930	1.26838	0.82504
265	1759	124.0	2.09342	.003774	.007900	1.27193	0.82149
266	1760	124.0	2.09342	.003759	.007870	1.27547	0.81795
267	1761	124.0	2.09342	.003745	.007841	1.27902	0.81440
268	1762	124.0	2.09342	.003731	.007811	1.28256	0.81086
269	1763	62.0	1.79239	.003717	.006663	1.28611	0.50628
270	1764	0.0	0.00000	.003704	.000000	1.28965	-1.28965
271	1765	0.0	0.00000	.003690	.000000	1.29320	-1.29320
272	1766	0.0	0.00000	.003676	.000000	1.29674	-1.29674
273	1767	0.0	0.00000	.003663	.000000	1.30029	-1.30029
274	1768	0.0	0.00000	.003650	.000000	1.30383	-1.30383
275	1769	0.0	0.00000	.003636	.000000	1.30738	-1.30738
276	1770	0.0	0.00000	.003623	.000000	1.31092	-1.31092
277	1771	0.0	0.00000	.003610	.000000	1.31447	-1.31447
278	1772	0.0	0.00000	.003597	.000000	1.31801	-1.31801
279	1773	0.0	0.00000	.003584	.000000	1.32156	-1.32156
280	1774	0.0	0.00000	.003571	.000000	1.32510	-1.32510

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OBS	1	2	3	4	5	6	7
281	1775	0.0	0.00000	.003559	.000000	1.32865	-1.32865
282	1776	0.0	0.00000	.003546	.000000	1.33219	-1.33219
283	1777	0.0	0.00000	.003534	.000000	1.33574	-1.33574
284	1778	2.8	0.44716	.003521	.001575	1.33928	-0.89213
285	1779	5.7	0.75587	.003509	.002652	1.34283	-0.58695
286	1780	5.7	0.75587	.003497	.002643	1.34637	-0.59050
287	1781	5.7	0.75587	.003484	.002634	1.34992	-0.59404
288	1782	5.7	0.75587	.003472	.002625	1.35346	-0.59759
289	1783	5.7	0.75587	.003460	.002615	1.35701	-0.60113
290	1784	2.8	0.44716	.003448	.001542	1.36055	-0.91340
291	1785	0.0	0.00000	.003436	.000000	1.36410	-1.36410
292	1786	0.0	0.00000	.003425	.000000	1.36764	-1.36764
293	1787	0.0	0.00000	.003413	.000000	1.37119	-1.37119
294	1788	0.0	0.00000	.003401	.000000	1.37473	-1.37473
295	1789	0.0	0.00000	.003390	.000000	1.37828	-1.37828
296	1790	0.0	0.00000	.003378	.000000	1.38182	-1.38182
297	1791	0.0	0.00000	.003367	.000000	1.38537	-1.38537
298	1792	33.2	1.52114	.003356	.005104	1.38891	0.13222
299	1793	66.3	1.82151	.003344	.006092	1.39246	0.42905
300	1794	66.3	1.82151	.003333	.006072	1.39600	0.42551
301	1795	66.3	1.82151	.003322	.006052	1.39955	0.42196
302	1796	66.3	1.82151	.003311	.006032	1.40309	0.41842
303	1797	66.3	1.82151	.003300	.006012	1.40664	0.41487
304	1798	66.3	1.82151	.003289	.005992	1.41018	0.41133
305	1799	66.3	1.82151	.003279	.005972	1.41373	0.40778
306	1800	66.3	1.82151	.003268	.005953	1.41727	0.40424
307	1801	66.3	1.82151	.003257	.005933	1.42082	0.40070
308	1802	33.2	1.52114	.003247	.004939	1.42436	0.09677
309	1803	77.9	1.89154	.003236	.006121	1.42791	0.46363
310	1804	155.7	2.19229	.003226	.007072	1.43145	0.76084
311	1805	155.7	2.19229	.003215	.007049	1.43500	0.75729
312	1806	155.7	2.19229	.003205	.007027	1.43854	0.75375
313	1807	155.7	2.19229	.003195	.007004	1.44209	0.75020
314	1808	155.7	2.19229	.003185	.006982	1.44563	0.74665
315	1809	155.7	2.19229	.003175	.006960	1.44918	0.74311
316	1810	155.7	2.19229	.003165	.006938	1.45272	0.73957
317	1811	155.7	2.19229	.003155	.006916	1.45627	0.73602
318	1812	155.7	2.19229	.003145	.006894	1.45981	0.73248
319	1813	155.7	2.19229	.003135	.006872	1.46336	0.72893
320	1814	155.7	2.19229	.003125	.006851	1.46690	0.72538
321	1815	77.9	1.89154	.003115	.005893	1.47045	0.42109
322	1816	0.0	0.00000	.003106	.000000	1.47399	-1.47399
323	1817	0.0	0.00000	.003096	.000000	1.47754	-1.47754
324	1818	0.0	0.00000	.003086	.000000	1.48108	-1.48108
325	1819	0.0	0.00000	.003077	.000000	1.48463	-1.48463
326	1820	0.0	0.00000	.003067	.000000	1.48817	-1.48817
327	1821	0.0	0.00000	.003058	.000000	1.49172	-1.49172
328	1822	0.0	0.00000	.003049	.000000	1.49526	-1.49526
329	1823	0.0	0.00000	.003040	.000000	1.49881	-1.49881
330	1824	0.0	0.00000	.003030	.000000	1.50235	-1.50235
331	1825	0.0	0.00000	.003021	.000000	1.50590	-1.50590
332	1826	0.0	0.00000	.003012	.000000	1.50944	-1.50944
333	1827	0.0	0.00000	.003003	.000000	1.51299	-1.51299
334	1828	0.0	0.00000	.002994	.000000	1.51653	-1.51653
335	1829	0.0	0.00000	.002985	.000000	1.52008	-1.52008
336	1830	0.0	0.00000	.002976	.000000	1.52362	-1.52362

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OBS	1	2	3	4	5	6	7
337	1831	0.0	0.00000	.002967	.000000	1.52717	-1.52717
338	1832	0.0	0.00000	.002959	.000000	1.53071	-1.53071
339	1833	0.0	0.00000	.002950	.000000	1.53426	-1.53426
340	1834	0.0	0.00000	.002941	.000000	1.53780	-1.53780
341	1835	0.0	0.00000	.002933	.000000	1.54135	-1.54135
342	1836	0.0	0.00000	.002924	.000000	1.54489	-1.54489
343	1837	0.0	0.00000	.002915	.000000	1.54844	-1.54844
344	1838	0.0	0.00000	.002907	.000000	1.55198	-1.55198
345	1839	0.0	0.00000	.002899	.000000	1.55553	-1.55553
346	1840	0.0	0.00000	.002890	.000000	1.55907	-1.55907
347	1841	0.0	0.00000	.002882	.000000	1.56262	-1.56262
348	1842	0.0	0.00000	.002874	.000000	1.56616	-1.56616
349	1843	0.0	0.00000	.002865	.000000	1.56971	-1.56971
350	1844	0.0	0.00000	.002857	.000000	1.57325	-1.57325
351	1845	0.0	0.00000	.002849	.000000	1.57680	-1.57680
352	1846	0.0	0.00000	.002841	.000000	1.58034	-1.58034
353	1847	0.0	0.00000	.002833	.000000	1.58389	-1.58389
354	1848	0.0	0.00000	.002825	.000000	1.58743	-1.58743
355	1849	0.0	0.00000	.002817	.000000	1.59098	-1.59098
356	1850	0.0	0.00000	.002809	.000000	1.59452	-1.59452
357	1851	0.0	0.00000	.002801	.000000	1.59807	-1.59807
358	1852	0.0	0.00000	.002793	.000000	1.60161	-1.60161
359	1853	36.2	1.55871	.002786	.004342	1.60516	-0.04645
360	1854	72.3	1.85914	.002778	.005164	1.60870	0.25043
361	1855	72.3	1.85914	.002770	.005150	1.61225	0.24689
362	1856	36.2	1.55871	.002762	.004306	1.61579	-0.05709
363	1857	0.0	0.00000	.002755	.000000	1.61934	-1.61934
364	1858	0.0	0.00000	.002747	.000000	1.62288	-1.62288
365	1859	20.0	1.30103	.002740	.003564	1.62643	-0.32540
366	1860	0.0	0.00000	.002732	.000000	1.62997	-1.62997
367	1861	0.0	0.00000	.002725	.000000	1.63352	-1.63352
368	1862	0.0	0.00000	.002717	.000000	1.63706	-1.63706
369	1863	0.0	0.00000	.002710	.000000	1.64061	-1.64061
370	1864	0.0	0.00000	.002703	.000000	1.64415	-1.64415
371	1865	0.0	0.00000	.002695	.000000	1.64770	-1.64770
372	1866	34.0	1.53148	.002688	.004117	1.65124	-0.11977
373	1867	0.0	0.00000	.002681	.000000	1.65479	-1.65479
374	1868	0.0	0.00000	.002674	.000000	1.65833	-1.65833
375	1869	0.0	0.00000	.002667	.000000	1.66188	-1.66188
376	1870	90.0	1.95424	.002660	.005197	1.66542	0.28882
377	1871	90.0	1.95424	.002653	.005184	1.66897	0.28527
378	1872	0.0	0.00000	.002646	.000000	1.67251	-1.67251
379	1873	0.0	0.00000	.002639	.000000	1.67606	-1.67606
380	1874	0.0	0.00000	.002632	.000000	1.67960	-1.67960
381	1875	0.0	0.00000	.002625	.000000	1.68315	-1.68315
382	1876	0.0	0.00000	.002618	.000000	1.68669	-1.68669
383	1877	0.0	0.00000	.002611	.000000	1.69024	-1.69024
384	1878	0.0	0.00000	.002604	.000000	1.69378	-1.69378
385	1879	0.0	0.00000	.002597	.000000	1.69733	-1.69733
386	1880	0.0	0.00000	.002591	.000000	1.70087	-1.70087
387	1881	0.0	0.00000	.002584	.000000	1.70442	-1.70442
388	1882	0.0	0.00000	.002577	.000000	1.70796	-1.70796
389	1883	0.0	0.00000	.002571	.000000	1.71151	-1.71151
390	1884	0.0	0.00000	.002564	.000000	1.71505	-1.71505
391	1885	0.0	0.00000	.002558	.000000	1.71860	-1.71860
392	1886	0.0	0.00000	.002551	.000000	1.72214	-1.72214

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OBS	1	2	3	4	5	6	7
393	1887	0.0	0.00000	.002545	0.000000	1.72569	-1.72569
394	1888	0.0	0.00000	.002538	0.000000	1.72923	-1.72923
395	1889	0.0	0.00000	.002532	0.000000	1.73278	-1.73278
396	1890	0.0	0.00000	.002525	0.000000	1.73632	-1.73632
397	1891	0.0	0.00000	.002519	0.000000	1.73987	-1.73987
398	1892	0.0	0.00000	.002513	0.000000	1.74341	-1.74341
399	1893	0.0	0.00000	.002506	0.000000	1.74696	-1.74696
400	1894	0.0	0.00000	.002500	0.000000	1.75050	-1.75050
401	1895	0.0	0.00000	.002494	0.000000	1.75405	-1.75405
402	1896	0.0	0.00000	.002488	0.000000	1.75759	-1.75759
403	1897	0.0	0.00000	.002481	0.000000	1.76114	-1.76114
404	1898	0.0	0.00000	.002475	0.000000	1.76468	-1.76468
405	1899	0.0	0.00000	.002469	0.000000	1.76823	-1.76823
406	1900	0.0	0.00000	.002463	0.000000	1.77177	-1.77177
407	1901	0.0	0.00000	.002457	0.000000	1.77532	-1.77532
408	1902	0.0	0.00000	.002451	0.000000	1.77886	-1.77886
409	1903	0.0	0.00000	.002445	0.000000	1.78241	-1.78241
410	1904	0.0	0.00000	.002439	0.000000	1.78595	-1.78595
411	1905	0.0	0.00000	.002433	0.000000	1.78950	-1.78950
412	1906	0.0	0.00000	.002427	0.000000	1.79304	-1.79304
413	1907	0.0	0.00000	.002421	0.000000	1.79659	-1.79659
414	1908	0.0	0.00000	.002415	0.000000	1.80013	-1.80013
415	1909	0.0	0.00000	.002410	0.000000	1.80368	-1.80368
416	1910	0.0	0.00000	.002404	0.000000	1.80722	-1.80722
417	1911	0.0	0.00000	.002398	0.000000	1.81077	-1.81077
418	1912	0.0	0.00000	.002392	0.000000	1.81431	-1.81431
419	1913	0.0	0.00000	.002387	0.000000	1.81786	-1.81786
420	1914	966.7	2.98529	.002381	0.007108	1.82140	1.16389
421	1915	1933.5	3.28634	.002375	0.007806	1.82495	1.46140
422	1916	1933.5	3.28634	.002370	0.007788	1.82849	1.45785
423	1917	1933.5	3.28634	.002364	0.007769	1.83204	1.45430
424	1918	967.6	2.98570	.002358	0.007042	1.83558	1.15011
425	1919	1.7	0.23045	.002353	0.000542	1.83913	-1.60868
426	1920	1.7	0.23045	.002347	0.000541	1.84267	-1.61223
427	1921	0.8	-0.09691	.002342	-.000230	1.84622	-1.94313
428	1922	0.0	0.00000	.002336	0.000000	1.84976	-1.84976
429	1923	0.0	0.00000	.002331	0.000000	1.85331	-1.85331
430	1924	0.0	0.00000	.002326	0.000000	1.85685	-1.85685
431	1925	0.0	0.00000	.002320	0.000000	1.86040	-1.86040
432	1926	0.0	0.00000	.002315	0.000000	1.86394	-1.86394
433	1927	0.0	0.00000	.002309	0.000000	1.86749	-1.86749
434	1928	0.0	0.00000	.002304	0.000000	1.87103	-1.87103
435	1929	0.0	0.00000	.002299	0.000000	1.87458	-1.87458
436	1930	0.0	0.00000	.002294	0.000000	1.87812	-1.87812
437	1931	0.0	0.00000	.002288	0.000000	1.88167	-1.88167
438	1932	0.0	0.00000	.002283	0.000000	1.88521	-1.88521
439	1933	0.0	0.00000	.002278	0.000000	1.88876	-1.88876
440	1934	0.0	0.00000	.002273	0.000000	1.89230	-1.89230
441	1935	0.0	0.00000	.002268	0.000000	1.89585	-1.89585
442	1936	0.0	0.00000	.002262	0.000000	1.89939	-1.89939
443	1937	0.0	0.00000	.002257	0.000000	1.90294	-1.90294
444	1938	0.0	0.00000	.002252	0.000000	1.90648	-1.90648
445	1939	1095.0	3.03941	.002247	0.006830	1.91003	1.12939
446	1940	2158.0	3.33405	.002242	0.007475	1.91357	1.42048
447	1941	2158.0	3.33405	.002237	0.007459	1.91712	1.41693
448	1942	2158.0	3.33405	.002232	0.007442	1.92066	1.41339



VAR.53

War (Battle Fatalities): 1495-1992  
Pre-Spectral Modelling Variables

10:35 Monday, October 17, 1994

OBS	1	2	3	4	5	6	7
449	1943	2158.0	3.33405	.002227	.007426	1.92421	1.40984
450	1944	2158.0	3.33405	.002222	.007409	1.92775	1.40630
451	1945	1079.0	3.03302	.002217	.006725	1.93130	1.10172
452	1946	0.0	0.00000	.002212	.000000	1.93484	-1.93484
453	1947	0.0	0.00000	.002208	.000000	1.93839	-1.93839
454	1948	0.0	0.00000	.002203	.000000	1.94193	-1.94193
455	1949	0.0	0.00000	.002198	.000000	1.94548	-1.94548
456	1950	159.2	2.20194	.002193	.004829	1.94902	0.25292
457	1951	318.3	2.50284	.002188	.005477	1.95257	0.55027
458	1952	318.3	2.50284	.002183	.005465	1.95611	0.54672
459	1953	159.2	2.20194	.002179	.004797	1.95966	0.24228
460	1954	0.0	0.00000	.002174	.000000	1.96320	-1.96320
461	1955	0.0	0.00000	.002169	.000000	1.96675	-1.96675
462	1956	0.0	0.00000	.002165	.000000	1.97029	-1.97029
463	1957	0.0	0.00000	.002160	.000000	1.97384	-1.97384
464	1958	0.0	0.00000	.002155	.000000	1.97738	-1.97738
465	1959	0.0	0.00000	.002151	.000000	1.98093	-1.98093
466	1960	0.0	0.00000	.002146	.000000	1.98447	-1.98447
467	1961	0.0	0.00000	.002141	.000000	1.98802	-1.98802
468	1962	0.0	0.00000	.002137	.000000	1.99156	-1.99156
469	1963	0.0	0.00000	.002132	.000000	1.99511	-1.99511
470	1964	0.0	0.00000	.002128	.000000	1.99865	-1.99865
471	1965	0.0	0.00000	.002123	.000000	2.00220	-2.00220
472	1966	0.0	0.00000	.002119	.000000	2.00574	-2.00574
473	1967	0.0	0.00000	.002114	.000000	2.00929	-2.00929
474	1968	0.0	0.00000	.002110	.000000	2.01283	-2.01283
475	1969	0.0	0.00000	.002105	.000000	2.01638	-2.01638
476	1970	0.0	0.00000	.002101	.000000	2.01992	-2.01992
477	1971	0.0	0.00000	.002096	.000000	2.02347	-2.02347
478	1972	0.0	0.00000	.002092	.000000	2.02701	-2.02701
479	1973	0.0	0.00000	.002088	.000000	2.03056	-2.03056
480	1974	0.0	0.00000	.002083	.000000	2.03410	-2.03410
481	1975	0.0	0.00000	.002079	.000000	2.03765	-2.03765
482	1976	0.0	0.00000	.002075	.000000	2.04119	-2.04119
483	1977	0.0	0.00000	.002070	.000000	2.04474	-2.04474
484	1978	0.0	0.00000	.002066	.000000	2.04828	-2.04828
485	1979	0.0	0.00000	.002062	.000000	2.05183	-2.05183
486	1980	0.0	0.00000	.002058	.000000	2.05537	-2.05537
487	1981	0.0	0.00000	.002053	.000000	2.05892	-2.05892
488	1982	0.0	0.00000	.002049	.000000	2.06246	-2.06246
489	1983	0.0	0.00000	.002045	.000000	2.06601	-2.06601
490	1984	0.0	0.00000	.002041	.000000	2.06955	-2.06955
491	1985	0.0	0.00000	.002037	.000000	2.07310	-2.07310
492	1986	0.0	0.00000	.002033	.000000	2.07664	-2.07664
493	1987	0.0	0.00000	.002028	.000000	2.08019	-2.08019
494	1988	0.0	0.00000	.002024	.000000	2.08373	-2.08373
495	1989	0.0	0.00000	.002020	.000000	2.08728	-2.08728
496	1990	0.0	0.00000	.002016	.000000	2.09082	-2.09082
497	1991	0.0	0.00000	.002012	.000000	2.09437	-2.09437
498	1992	0.0	0.00000	.002008	.000000	2.09791	-2.09791

Sunspots: Original Data 1700-1993  
Yearly Mean

OBS	X1	Y2
1	1700	5
2	1701	11
3	1702	16
4	1703	23
5	1704	36
6	1705	58
7	1706	29
8	1707	20
9	1708	10
10	1709	8
11	1710	3
12	1711	0
13	1712	0
14	1713	2
15	1714	11
16	1715	27
17	1716	47
18	1717	63
19	1718	60
20	1719	39
21	1720	28
22	1721	26
23	1722	22
24	1723	11
25	1724	21
26	1725	40
27	1726	78
28	1727	122
29	1728	103
30	1729	73
31	1730	47
32	1731	35
33	1732	11
34	1733	5
35	1734	16
36	1735	34
37	1736	70
38	1737	81
39	1738	111
40	1739	101
41	1740	73
42	1741	40
43	1742	20
44	1743	16
45	1744	5
46	1745	11
47	1746	22
48	1747	40
49	1748	60
50	1749	81
51	1750	83
52	1751	48
53	1752	48
54	1753	31
55	1754	12
56	1755	10

Sunspots: Original Data 1700-1993  
Yearly Mean

OBS	X1	Y2
57	1756	10
58	1757	32
59	1758	48
60	1759	54
61	1760	63
62	1761	86
63	1762	61
64	1763	45
65	1764	36
66	1765	21
67	1766	11
68	1767	38
69	1768	70
70	1769	106
71	1770	101
72	1771	82
73	1772	67
74	1773	35
75	1774	31
76	1775	7
77	1776	20
78	1777	93
79	1778	154
80	1779	126
81	1780	85
82	1781	68
83	1782	39
84	1783	23
85	1784	10
86	1785	24
87	1786	83
88	1787	132
89	1788	131
90	1789	118
91	1790	90
92	1791	67
93	1792	60
94	1793	47
95	1794	41
96	1795	21
97	1796	16
98	1797	6
99	1798	4
100	1799	7
101	1800	15
102	1801	34
103	1802	45
104	1803	43
105	1804	48
106	1805	42
107	1806	28
108	1807	10
109	1808	8
110	1809	3
111	1810	0
112	1811	1

VAR. ST

Sunspots: Original Data 1700-1993  
Yearly Mean

Sunspots: Original Data 1700-1993  
Yearly Mean

OBS	X1	Y2
113	1812	5
114	1813	12
115	1814	14
116	1815	35
117	1816	46
118	1817	41
119	1818	30
120	1819	24
121	1820	16
122	1821	7
123	1822	4
124	1823	2
125	1824	9
126	1825	17
127	1826	36
128	1827	50
129	1828	64
130	1829	67
131	1830	71
132	1831	48
133	1832	28
134	1833	9
135	1834	13
136	1835	57
137	1836	122
138	1837	138
139	1838	103
140	1839	86
141	1840	65
142	1841	37
143	1842	24
144	1843	11
145	1844	15
146	1845	40
147	1846	62
148	1847	99
149	1848	125
150	1849	96
151	1850	67
152	1851	65
153	1852	54
154	1853	39
155	1854	21
156	1855	7
157	1856	4
158	1857	23
159	1858	55
160	1859	94
161	1860	96
162	1861	77
163	1862	59
164	1863	44
165	1864	47
166	1865	31
167	1866	16
168	1867	7

OBS	X1	Y2
169	1868	38
170	1869	74
171	1870	139
172	1871	111
173	1872	102
174	1873	66
175	1874	45
176	1875	17
177	1876	11
178	1877	12
179	1878	3
180	1879	6
181	1880	32
182	1881	54
183	1882	60
184	1883	64
185	1884	64
186	1885	52
187	1886	25
188	1887	13
189	1888	7
190	1889	6
191	1890	7
192	1891	36
193	1892	73
194	1893	85
195	1894	78
196	1895	64
197	1896	42
198	1897	26
199	1898	27
200	1899	12
201	1900	10
202	1901	3
203	1902	5
204	1903	24
205	1904	42
206	1905	64
207	1906	54
208	1907	62
209	1908	49
210	1909	44
211	1910	19
212	1911	6
213	1912	4
214	1913	1
215	1914	10
216	1915	47
217	1916	57
218	1917	104
219	1918	81
220	1919	64
221	1920	38
222	1921	26
223	1922	14
224	1923	6

VAR. 55

Sunspots: Original Data 1700-1993  
Yearly Mean

5

Sunspots: Original Data 1700-1993  
Yearly Mean

OBS	X1	Y2
225	1924	17
226	1925	44
227	1926	64
228	1927	69
229	1928	79
230	1929	65
231	1930	36
232	1931	21
233	1932	11
234	1933	6
235	1934	9
236	1935	36
237	1936	80
238	1937	114
239	1938	110
240	1939	89
241	1940	68
242	1941	48
243	1942	31
244	1943	16
245	1944	10
246	1945	33
247	1946	93
248	1947	152
249	1948	136
250	1949	135
251	1950	84
252	1951	69
253	1952	32
254	1953	14
255	1954	4
256	1955	38
257	1956	142
258	1957	190
259	1958	185
260	1959	159
261	1960	112
262	1961	54
263	1962	38
264	1963	28
265	1964	10
266	1965	15
267	1966	47
268	1967	94
269	1968	106
270	1969	105
271	1970	104
272	1971	67
273	1972	68
274	1973	38
275	1974	35
276	1975	16
277	1976	13
278	1977	28
279	1978	93
280	1979	156

OBS	X1	Y2
281	1980	155
282	1981	140
283	1982	116
284	1983	67
285	1984	46
286	1985	18
287	1986	13
288	1987	29
289	1988	100
290	1989	158
291	1990	142
292	1991	146
293	1992	95
294	1993	54

VAR. 56

**"PER" APPENDIX 1-136**  
for periodogram and spectral density ordinates

	<i>Pages</i>
The sunspot data (for testing only)	PER 1-6
The tin data	PER 7-55
The population data	PER 56-96
The war (battle fatalities) data	PER 97-136

The 4 columns of variables for each data type cover:

- 1 Frequency in  $\lambda$  radians
- 2 Period in years ( $2\pi/\lambda$ )
- 3 Periodogram ordinates (P\_01)
- 4 Spectral density estimates (S\_01)

Nb: Additional columns (P\_02) and (S\_02) are included as necessary to show the log results on the same page as the raw (P\_01, S\_01).

Spectral Density Estimates  
 Spectral Window: Rectangular (7)  
 Sunspots: 1700-1993

PER. 1

11:46 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	1535.22
2	0.02137	294.000	11092.32	1080.94
3	0.04274	147.000	8644.78	1088.95
4	0.06411	98.000	42239.40	1092.74
5	0.08549	73.500	2278.80	1044.65
6	0.10686	58.800	9349.32	995.95
7	0.12823	49.000	11425.26	940.42
8	0.14960	42.000	6862.15	537.20
9	0.17097	36.750	6808.53	513.63
10	0.19234	32.667	3759.98	435.87
11	0.21371	29.400	6770.75	313.86
12	0.23509	26.727	205.20	260.25
13	0.25646	24.500	2509.21	185.68
14	0.27783	22.615	692.48	155.05
15	0.29920	21.000	2146.52	107.72
16	0.32057	19.600	249.25	111.65
17	0.34194	18.375	1065.80	111.45
18	0.36331	17.294	2606.87	123.88
19	0.38468	16.333	551.10	116.60
20	0.40606	15.474	2491.91	148.78
21	0.42743	14.700	1785.88	236.40
22	0.44880	14.000	1505.64	342.20
23	0.47017	13.364	3080.01	467.94
24	0.49154	12.783	8773.10	668.85
25	0.51291	12.250	11913.97	1659.73
26	0.53428	11.760	11611.95	2482.45
27	0.55566	11.308	20164.75	3056.76
28	0.57703	10.889	88948.49	3044.89
29	0.59840	10.500	73875.69	3000.71
30	0.61977	10.138	53598.48	2889.03
31	0.64114	9.800	7729.01	2698.55
32	0.66251	9.484	8027.74	1693.41
33	0.68388	9.188	1787.87	1013.90
34	0.70526	8.909	3409.88	526.23
35	0.72663	8.647	531.08	468.38
36	0.74800	8.400	14103.07	395.87
37	0.76937	8.167	10700.96	411.92
38	0.79074	7.946	2640.41	376.18
39	0.81211	7.737	1649.05	378.44
40	0.83348	7.538	3199.95	225.70
41	0.85486	7.350	266.40	104.80
42	0.87623	7.171	729.31	83.26
43	0.89760	7.000	667.74	66.15
44	0.91897	6.837	65.53	30.33
45	0.94034	6.682	746.02	28.61
46	0.96171	6.533	144.05	20.67
47	0.98308	6.391	49.15	25.58
48	1.00445	6.255	114.49	29.16
49	1.02583	6.125	31.63	59.64
50	1.04720	6.000	1099.21	61.69
51	1.06857	5.880	380.39	68.35
52	1.08994	5.765	3427.02	103.26
53	1.11131	5.654	324.72	107.80
54	1.13268	5.547	634.70	123.66
55	1.15405	5.444	3185.41	130.57
56	1.17543	5.345	431.31	92.09
57	1.19680	5.250	2494.19	98.45

Spectral Density Estimates  
Spectral Window: Triangular (7)  
Sunspots: 1700-1993

PER. 2

11:46 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	1143.83
2	0.02137	294.000	11092.32	1100.00
3	0.04274	147.000	8644.78	1202.41
4	0.06411	98.000	42239.40	1318.64
5	0.08549	73.500	2278.80	1104.02
6	0.10686	58.800	9349.32	955.75
7	0.12823	49.000	11425.26	788.36
8	0.14960	42.000	6862.15	583.99
9	0.17097	36.750	6808.53	522.46
10	0.19234	32.667	3759.98	417.02
11	0.21371	29.400	6770.75	324.12
12	0.23509	26.727	205.20	231.37
13	0.25646	24.500	2509.21	171.96
14	0.27783	22.615	692.48	126.74
15	0.29920	21.000	2146.52	106.30
16	0.32057	19.600	249.25	100.93
17	0.34194	18.375	1065.80	106.49
18	0.36331	17.294	2606.87	122.81
19	0.38468	16.333	551.10	124.14
20	0.40606	15.474	2491.91	145.97
21	0.42743	14.700	1785.88	187.89
22	0.44880	14.000	1505.64	276.61
23	0.47017	13.364	3080.01	421.06
24	0.49154	12.783	8773.10	637.91
25	0.51291	12.250	11913.97	1222.28
26	0.53428	11.760	11611.95	2064.45
27	0.55566	11.308	20164.75	3065.18
28	0.57703	10.889	88948.49	3919.09
29	0.59840	10.500	73875.69	3971.77
30	0.61977	10.138	53598.48	3357.74
31	0.64114	9.800	7729.01	2285.27
32	0.66251	9.484	8027.74	1238.85
33	0.68388	9.188	1787.87	625.11
34	0.70526	8.909	3409.88	414.24
35	0.72663	8.647	531.08	449.16
36	0.74800	8.400	14103.07	525.44
37	0.76937	8.167	10700.96	517.28
38	0.79074	7.946	2640.41	412.88
39	0.81211	7.737	1649.05	302.81
40	0.83348	7.538	3199.95	182.30
41	0.85486	7.350	266.40	100.43
42	0.87623	7.171	729.31	72.84
43	0.89760	7.000	667.74	51.85
44	0.91897	6.837	65.53	32.65
45	0.94034	6.682	746.02	29.30
46	0.96171	6.533	144.05	20.00
47	0.98308	6.391	49.15	18.36
48	1.00445	6.255	114.49	21.45
49	1.02583	6.125	31.63	40.77
50	1.04720	6.000	1099.21	65.10
51	1.06857	5.880	380.39	82.37
52	1.08994	5.765	3427.02	111.95
53	1.11131	5.654	324.72	110.15
54	1.13268	5.547	634.70	117.68
55	1.15405	5.444	3185.41	129.28

Spectral Density Estimates  
Spectral Window: Rectangular (5)  
Sunspots: 1700-1993

PER. 3

9:44 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	804.79
2	0.02137	294.000	11092.32	1339.47
3	0.04274	147.000	8644.78	1199.19
4	0.06411	98.000	42239.40	1171.45
5	0.08549	73.500	2278.80	1176.75
6	0.10686	58.800	9349.32	1148.38
7	0.12823	49.000	11425.26	584.48
8	0.14960	42.000	6862.15	608.06
9	0.17097	36.750	6808.53	567.02
10	0.19234	32.667	3759.98	388.44
11	0.21371	29.400	6770.75	319.16
12	0.23509	26.727	205.20	221.82
13	0.25646	24.500	2509.21	196.14
14	0.27783	22.615	692.48	92.35
15	0.29920	21.000	2146.52	106.05
16	0.32057	19.600	249.25	107.60
17	0.34194	18.375	1065.80	105.35
18	0.36331	17.294	2606.87	110.85
19	0.38468	16.333	551.10	135.31
20	0.40606	15.474	2491.91	142.31
21	0.42743	14.700	1785.88	149.84
22	0.44880	14.000	1505.64	280.69
23	0.47017	13.364	3080.01	430.65
24	0.49154	12.783	8773.10	587.04
25	0.51291	12.250	11913.97	884.01
26	0.53428	11.760	11611.95	2250.65
27	0.55566	11.308	20164.75	3286.79
28	0.57703	10.889	88948.49	3950.22
29	0.59840	10.500	73875.69	3888.42
30	0.61977	10.138	53598.48	3695.25
31	0.64114	9.800	7729.01	2308.05
32	0.66251	9.484	8027.74	1186.55
33	0.68388	9.188	1787.87	341.95
34	0.70526	8.909	3409.88	443.40
35	0.72663	8.647	531.08	485.95
36	0.74800	8.400	14103.07	499.51
37	0.76937	8.167	10700.96	471.49
38	0.79074	7.946	2640.41	513.97
39	0.81211	7.737	1649.05	293.75
40	0.83348	7.538	3199.95	135.04
41	0.85486	7.350	266.40	103.65
42	0.87623	7.171	729.31	78.45
43	0.89760	7.000	667.74	39.39
44	0.91897	6.837	65.53	37.44
45	0.94034	6.682	746.02	26.62
46	0.96171	6.533	144.05	17.81
47	0.98308	6.391	49.15	17.27
48	1.00445	6.255	114.49	22.89
49	1.02583	6.125	31.63	26.66
50	1.04720	6.000	1099.21	80.42
51	1.06857	5.880	380.39	83.76
52	1.08994	5.765	3427.02	93.36
53	1.11131	5.654	324.72	126.56
54	1.13268	5.547	634.70	127.37
55	1.15405	5.444	3185.41	112.53
56	1.17543	5.345	431.31	123.09
57	1.19680	5.250	2494.19	113.65



Spectral Density Estimates  
Spectral Window: Triangular (5)  
Sunspots: 1700-1993

PER. 4

9:44 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	839.42
2	0.02137	294.000	11092.32	1114.82
3	0.04274	147.000	8644.78	1290.65
4	0.06411	98.000	42239.40	1494.35
5	0.08549	73.500	2278.80	1150.19
6	0.10686	58.800	9349.32	924.49
7	0.12823	49.000	11425.26	670.10
8	0.14960	42.000	6862.15	620.38
9	0.17097	36.750	6808.53	529.33
10	0.19234	32.667	3759.98	402.36
11	0.21371	29.400	6770.75	332.11
12	0.23509	26.727	205.20	208.92
13	0.25646	24.500	2509.21	161.28
14	0.27783	22.615	692.48	104.72
15	0.29920	21.000	2146.52	105.20
16	0.32057	19.600	249.25	92.59
17	0.34194	18.375	1065.80	102.63
18	0.36331	17.294	2606.87	121.98
19	0.38468	16.333	551.10	130.00
20	0.40606	15.474	2491.91	143.79
21	0.42743	14.700	1785.88	150.17
22	0.44880	14.000	1505.64	225.59
23	0.47017	13.364	3080.01	384.60
24	0.49154	12.783	8773.10	613.85
25	0.51291	12.250	11913.97	882.04
26	0.53428	11.760	11611.95	1739.34
27	0.55566	11.308	20164.75	3071.73
28	0.57703	10.889	88948.49	4599.02
29	0.59840	10.500	73875.69	4727.03
30	0.61977	10.138	53598.48	3722.29
31	0.64114	9.800	7729.01	1963.82
32	0.66251	9.484	8027.74	885.30
33	0.68388	9.188	1787.87	322.72
34	0.70526	8.909	3409.88	327.14
35	0.72663	8.647	531.08	434.21
36	0.74800	8.400	14103.07	626.22
37	0.76937	8.167	10700.96	599.22
38	0.79074	7.946	2640.41	441.43
39	0.81211	7.737	1649.05	244.00
40	0.83348	7.538	3199.95	148.55
41	0.85486	7.350	266.40	97.04
42	0.87623	7.171	729.31	64.74
43	0.89760	7.000	667.74	40.72
44	0.91897	6.837	65.53	34.46
45	0.94034	6.682	746.02	29.83
46	0.96171	6.533	144.05	19.47
47	0.98308	6.391	49.15	12.75
48	1.00445	6.255	114.49	15.46
49	1.02583	6.125	31.63	26.10
50	1.04720	6.000	1099.21	67.76
51	1.06857	5.880	380.39	93.28
52	1.08994	5.765	3427.02	118.70
53	1.11131	5.654	324.72	111.97
54	1.13268	5.547	634.70	113.02
55	1.15405	5.444	3185.41	128.27
56	1.17543	5.345	431.31	126.23
57	1.19680	5.250	2494.19	119.80

Spectral Density Estimates  
Spectral Window: Rectangular (3)  
Sunspots: 1700-1993

PER. 5

9:44 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	882.70
2	0.02137	294.000	11092.32	817.78
3	0.04274	147.000	8644.78	1643.98
4	0.06411	98.000	42239.40	1410.19
5	0.08549	73.500	2278.80	1428.88
6	0.10686	58.800	9349.32	611.51
7	0.12823	49.000	11425.26	733.09
8	0.14960	42.000	6862.15	665.69
9	0.17097	36.750	6808.53	462.36
10	0.19234	32.667	3759.98	459.94
11	0.21371	29.400	6770.75	284.78
12	0.23509	26.727	205.20	251.60
13	0.25646	24.500	2509.21	90.37
14	0.27783	22.615	692.48	141.87
15	0.29920	21.000	2146.52	81.92
16	0.32057	19.600	249.25	91.82
17	0.34194	18.375	1065.80	104.03
18	0.36331	17.294	2606.87	112.04
19	0.38468	16.333	551.10	149.87
20	0.40606	15.474	2491.91	128.09
21	0.42743	14.700	1785.88	153.41
22	0.44880	14.000	1505.64	169.01
23	0.47017	13.364	3080.01	354.35
24	0.49154	12.783	8773.10	630.44
25	0.51291	12.250	11913.97	856.76
26	0.53428	11.760	11611.95	1158.93
27	0.55566	11.308	20164.75	3202.34
28	0.57703	10.889	88948.49	4853.93
29	0.59840	10.500	73875.69	5740.79
30	0.61977	10.138	53598.48	3586.38
31	0.64114	9.800	7729.01	1839.70
32	0.66251	9.484	8027.74	465.39
33	0.68388	9.188	1787.87	350.82
34	0.70526	8.909	3409.88	151.96
35	0.72663	8.647	531.08	478.63
36	0.74800	8.400	14103.07	672.03
37	0.76937	8.167	10700.96	727.99
38	0.79074	7.946	2640.41	397.63
39	0.81211	7.737	1649.05	198.66
40	0.83348	7.538	3199.95	135.69
41	0.85486	7.350	266.40	111.29
42	0.87623	7.171	729.31	44.12
43	0.89760	7.000	667.74	38.80
44	0.91897	6.837	65.53	39.24
45	0.94034	6.682	746.02	25.35
46	0.96171	6.533	144.05	24.91
47	0.98308	6.391	49.15	8.16
48	1.00445	6.255	114.49	5.18
49	1.02583	6.125	31.63	33.03
50	1.04720	6.000	1099.21	40.09
51	1.06857	5.880	380.39	130.15
52	1.08994	5.765	3427.02	109.61
53	1.11131	5.654	324.72	116.35
54	1.13268	5.547	634.70	109.94
55	1.15405	5.444	3185.41	112.77
56	1.17543	5.345	431.31	162.10
57	1.19680	5.250	2494.19	103.82

Spectral Density Estimates  
Spectral Window: Triangular (3)  
Sunspots: 1700-1993

PER. 6

9:44 Monday, September 12, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	1462609.31	882.70
2	0.02137	294.000	11092.32	834.01
3	0.04274	147.000	8644.78	1404.97
4	0.06411	98.000	42239.40	1897.97
5	0.08549	73.500	2278.80	1117.00
6	0.10686	58.800	9349.32	644.63
7	0.12823	49.000	11425.26	777.11
8	0.14960	42.000	6862.15	635.79
9	0.17097	36.750	6808.53	482.22
10	0.19234	32.667	3759.98	419.76
11	0.21371	29.400	6770.75	348.28
12	0.23509	26.727	205.20	192.78
13	0.25646	24.500	2509.21	117.70
14	0.27783	22.615	692.48	120.18
15	0.29920	21.000	2146.52	104.14
16	0.32057	19.600	249.25	73.82
17	0.34194	18.375	1065.80	99.23
18	0.36331	17.294	2606.87	135.89
19	0.38468	16.333	551.10	123.36
20	0.40606	15.474	2491.91	145.64
21	0.42743	14.700	1785.88	150.59
22	0.44880	14.000	1505.64	156.71
23	0.47017	13.364	3080.01	327.04
24	0.49154	12.783	8773.10	647.37
25	0.51291	12.250	11913.97	879.59
26	0.53428	11.760	11611.95	1100.21
27	0.55566	11.308	20164.75	2802.92
28	0.57703	10.889	88948.49	5410.02
29	0.59840	10.500	73875.69	5775.30
30	0.61977	10.138	53598.48	3756.09
31	0.64114	9.800	7729.01	1533.54
32	0.66251	9.484	8027.74	508.75
33	0.68388	9.188	1787.87	298.68
34	0.70526	8.909	3409.88	181.81
35	0.72663	8.647	531.08	369.54
36	0.74800	8.400	14103.07	784.60
37	0.76937	8.167	10700.96	758.88
38	0.79074	7.946	2640.41	350.75
39	0.81211	7.737	1649.05	181.80
40	0.83348	7.538	3199.95	165.43
41	0.85486	7.350	266.40	88.77
42	0.87623	7.171	729.31	47.60
43	0.89760	7.000	667.74	42.38
44	0.91897	6.837	65.53	30.73
45	0.94034	6.682	746.02	33.85
46	0.96171	6.533	144.05	21.55
47	0.98308	6.391	49.15	7.10
48	1.00445	6.255	114.49	6.16
49	1.02583	6.125	31.63	25.40
50	1.04720	6.000	1099.21	51.93
51	1.06857	5.880	380.39	105.18
52	1.08994	5.765	3427.02	150.38
53	1.11131	5.654	324.72	93.73
54	1.13268	5.547	634.70	95.09
55	1.15405	5.444	3185.41	147.95
56	1.17543	5.345	431.31	130.15
57	1.19680	5.250	2494.19	127.48

Spectral Density Estimates  
 Spectral Window: 9 (Rec)  
 Tin Prodn: (1156-1992)

PER.7

15:58 Tuesday, September 13, 1994

OBS	FREQ	PERIOD	RAW P_01	WR P_02	RAW S_01	WR S_02
1	0.00000		4275.65	9.842	64.2728	3.58590
2	0.00751	837.000	1596.42	101.363	64.4083	3.58561
3	0.01501	418.500	826.01	44.617	62.8196	3.56467
4	0.02252	279.000	296.12	4.016	56.6470	3.17315
5	0.03003	209.250	117.77	2.100	43.4451	2.27760
6	0.03753	167.400	133.11	2.067	30.2524	1.44449
7	0.04504	139.500	116.45	1.648	16.3965	0.55377
8	0.05255	119.571	127.90	0.337	9.1375	0.16671
9	0.06005	104.625	103.32	0.079	6.5551	0.16477
10	0.06756	93.000	104.36	7.141	5.5288	0.15478
11	0.07507	83.700	29.36	0.625	4.4876	0.15969
12	0.08257	76.091	5.04	0.841	3.6140	0.14551
13	0.09008	69.750	4.06	3.796	2.6950	0.14977
14	0.09759	64.385	1.70	0.971	1.9852	0.17261
15	0.10510	59.786	15.36	2.623	1.1290	0.11445
16	0.11260	55.800	17.65	0.044	0.8781	0.11946
17	0.12011	52.313	23.96	0.818	0.8375	0.11299
18	0.12762	49.235	23.04	2.662	0.8657	0.09099
19	0.13512	46.500	7.53	0.563	0.9487	0.09478
20	0.14263	44.053	0.98	1.192	0.8748	0.07675
21	0.15014	41.850	0.46	0.109	0.7329	0.08191
22	0.15764	39.857	7.25	1.307	0.5312	0.07503
23	0.16515	38.045	11.08	1.400	0.3830	0.06410
24	0.17266	36.391	7.00	0.584	0.3671	0.06304
25	0.18016	34.875	1.61	0.628	0.3773	0.05482
26	0.18767	33.480	1.14	0.040	0.3802	0.05471
27	0.19518	32.192	6.28	1.425	0.3169	0.04321
28	0.20268	31.000	5.73	0.443	0.2199	0.04210
29	0.21019	29.893	2.13	0.263	0.1771	0.03800
30	0.21770	28.862	0.78	0.097	0.2142	0.04005
31	0.22520	27.900	0.09	0.007	0.2578	0.04433
32	0.23271	27.000	0.10	1.275	0.2751	0.03282
33	0.24022	26.156	2.16	0.121	0.3267	0.04280
34	0.24772	25.364	5.80	0.860	0.3626	0.04079
35	0.25523	24.618	6.07	0.524	0.3783	0.04130
36	0.26274	23.914	8.24	0.123	0.3862	0.04319
37	0.27024	23.250	11.56	1.573	0.3998	0.03333
38	0.27775	22.622	6.19	0.035	0.3982	0.03590
39	0.28526	22.026	2.56	0.154	0.3729	0.02858
40	0.29276	21.462	0.98	0.220	0.3405	0.02900
41	0.30027	20.925	1.65	0.160	0.2797	0.02910
42	0.30778	20.415	1.97	0.411	0.1811	0.01860
43	0.31529	19.929	2.94	0.032	0.1368	0.02043
44	0.32279	19.465	2.40	0.571	0.1216	0.01950
45	0.33030	19.023	1.37	0.135	0.1158	0.02091
46	0.33781	18.600	0.42	0.384	0.1034	0.01961
47	0.34531	18.196	1.17	0.243	0.0922	0.01895
48	0.35282	17.809	0.84	0.049	0.0735	0.02019
49	0.36033	17.437	0.33	0.380	0.0556	0.01537
50	0.36783	17.082	0.24	0.012	0.0540	0.02011
51	0.37534	16.740	0.71	0.337	0.0551	0.01671
52	0.38285	16.412	0.82	0.172	0.0481	0.01634
53	0.39035	16.096	0.37	0.025	0.0456	0.01888
54	0.39786	15.792	1.19	0.671	0.0475	0.01638
55	0.40537	15.500	0.54	0.001	0.0528	0.01949

Spectral Density Estimates  
 Spectral Window: 9 (Rec)  
 Tin Prodn: (1156-1992)

PER. 8

15:58 Tuesday, September 13, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
56	0.41287	15.2182	0.38414	0.20066	0.049561	0.017641
57	0.42038	14.9464	0.56197	0.33628	0.048926	0.016445
58	0.42789	14.6842	0.54172	0.09676	0.050706	0.017840
59	0.43539	14.4310	0.84405	0.36426	0.043128	0.012778
60	0.44290	14.1864	0.34486	0.12812	0.041654	0.013002
61	0.45041	13.9500	0.75159	0.03633	0.042155	0.012463
62	0.45791	13.7213	0.57544	0.18310	0.037868	0.010971
63	0.46542	13.5000	0.33351	0.09900	0.035845	0.010803
64	0.47293	13.2857	0.37372	0.02594	0.044688	0.010728
65	0.48043	13.0781	0.44076	0.13972	0.061713	0.011630
66	0.48794	12.8769	0.07711	0.16753	0.075426	0.011511
67	0.49545	12.6818	0.31296	0.07783	0.084009	0.011676
68	0.50296	12.4925	1.84411	0.35573	0.084060	0.011290
69	0.51046	12.3088	2.27043	0.23020	0.084397	0.011267
70	0.51797	12.1304	2.30242	0.02282	0.089294	0.011309
71	0.52548	11.9571	1.54615	0.20173	0.095892	0.010430
72	0.53298	11.7887	0.33927	0.05536	0.099404	0.010027
73	0.54049	11.6250	0.41188	0.02336	0.088620	0.008094
74	0.54800	11.4658	0.99460	0.14450	0.073744	0.007056
75	0.55550	11.3108	0.82332	0.06813	0.058057	0.008323
76	0.56301	11.1600	0.71016	0.03224	0.045591	0.006758
77	0.57052	11.0132	0.62449	0.13705	0.042679	0.007534
78	0.57802	10.8701	0.58799	0.11277	0.040072	0.007646
79	0.58553	10.7308	0.52819	0.16622	0.032688	0.007563
80	0.59304	10.5949	0.13628	0.02464	0.027996	0.008740
81	0.60054	10.4625	0.00999	0.14322	0.023980	0.008576
82	0.60805	10.3333	0.11697	0.03597	0.020822	0.007776
83	0.61556	10.2073	0.15949	0.13511	0.016798	0.006968
84	0.62306	10.0843	0.29270	0.20128	0.012724	0.006077
85	0.63057	9.9643	0.25595	0.01368	0.013065	0.005974
86	0.63808	9.8471	0.26741	0.04658	0.017812	0.006104
87	0.64558	9.7326	0.13290	0.02132	0.028024	0.006090
88	0.65309	9.6207	0.06743	0.06545	0.037988	0.005282
89	0.66060	9.5114	0.17483	0.01302	0.045317	0.005380
90	0.66810	9.4045	0.54683	0.15794	0.051530	0.005777
91	0.67561	9.3000	1.27197	0.03432	0.051275	0.005931
92	0.68312	9.1978	1.28636	0.04378	0.053373	0.007145
93	0.69062	9.0978	1.12160	0.21232	0.055930	0.006741
94	0.69813	9.0000	0.95861	0.05868	0.054692	0.007476
95	0.70564	8.9043	0.23852	0.06397	0.050301	0.006309
96	0.71315	8.8105	0.37018	0.15858	0.039295	0.006533
97	0.72065	8.7187	0.35668	0.01976	0.028547	0.006353
98	0.72816	8.6289	0.03482	0.09615	0.021405	0.005662
99	0.73567	8.5408	0.05021	0.02597	0.014891	0.006313
100	0.74317	8.4545	0.02716	0.05968	0.016923	0.006174
101	0.75068	8.3700	0.07080	0.02337	0.019860	0.006170
102	0.75819	8.2871	0.31388	0.13414	0.023979	0.006652
103	0.76569	8.2059	0.22187	0.13236	0.027632	0.006303
104	0.77320	8.1262	0.46832	0.04820	0.031187	0.006871
105	0.78071	8.0481	0.70238	0.15816	0.034685	0.006605
106	0.78821	7.9714	0.82251	0.07434	0.035335	0.006839
107	0.79572	7.8962	0.44792	0.05665	0.036316	0.005743
108	0.80323	7.8224	0.45236	0.09016	0.039916	0.005032
109	0.81073	7.7500	0.42277	0.02965	0.041359	0.004961
110	0.81824	7.6789	0.14427	0.04986	0.038854	0.003651

Spectral Density Estimates  
 Spectral Window: 5 (Rec)  
 Tin Prodn: (1156-1992)

PER. 9

12:46 Tuesday, September 13, 1994

OBS	FREQ	PERIOD	RAW DATA	LOG Y	RAW DATA	LOG Y
			P_01	P_02	S_01	S_02
1	0.00000	.	4275.65	9.842	102.516	6.25994
2	0.00751	837.000	1596.42	101.363	94.083	5.61375
3	0.01501	418.500	826.01	44.617	70.549	4.03393
4	0.02252	279.000	296.12	4.016	47.260	2.45359
5	0.03003	209.250	117.77	2.100	23.705	0.86658
6	0.03753	167.400	133.11	2.067	12.595	0.16183
7	0.04504	139.500	116.45	1.648	9.526	0.09917
8	0.05255	119.571	127.90	0.337	9.313	0.17940
9	0.06005	104.625	103.32	0.079	7.661	0.15644
10	0.06756	93.000	104.36	7.141	5.888	0.14360
11	0.07507	83.700	29.36	0.625	3.917	0.19866
12	0.08257	76.091	5.04	0.841	2.300	0.21286
13	0.09008	69.750	4.06	3.796	0.883	0.14095
14	0.09759	64.385	1.70	0.971	0.697	0.13171
15	0.10510	59.786	15.36	2.623	0.998	0.13134
16	0.11260	55.800	17.65	0.044	1.300	0.11329
17	0.12011	52.313	23.96	0.818	1.393	0.10679
18	0.12762	49.235	23.04	2.662	1.164	0.08403
19	0.13512	46.500	7.53	0.563	0.891	0.08507
20	0.14263	44.053	0.98	1.192	0.625	0.09286
21	0.15014	41.850	0.46	0.109	0.434	0.07278
22	0.15764	39.857	7.25	1.307	0.426	0.07311
23	0.16515	38.045	11.08	1.400	0.436	0.06412
24	0.17266	36.391	7.00	0.584	0.447	0.06301
25	0.18016	34.875	1.61	0.628	0.431	0.06488
26	0.18767	33.480	1.14	0.040	0.346	0.04965
27	0.19518	32.192	6.28	1.425	0.269	0.04455
28	0.20268	31.000	5.73	0.443	0.256	0.03610
29	0.21019	29.893	2.13	0.263	0.239	0.03557
30	0.21770	28.862	0.78	0.097	0.141	0.03318
31	0.22520	27.900	0.09	0.007	0.084	0.02804
32	0.23271	27.000	0.10	1.275	0.142	0.03754
33	0.24022	26.156	2.16	0.121	0.226	0.04433
34	0.24772	25.364	5.80	0.860	0.356	0.04619
35	0.25523	24.618	6.07	0.524	0.539	0.05093
36	0.26274	23.914	8.24	0.123	0.603	0.04957
37	0.27024	23.250	11.56	1.573	0.551	0.03834
38	0.27775	22.622	6.19	0.035	0.470	0.03352
39	0.28526	22.026	2.56	0.154	0.365	0.03410
40	0.29276	21.462	0.98	0.220	0.212	0.01561
41	0.30027	20.925	1.65	0.160	0.161	0.01556
42	0.30778	20.415	1.97	0.411	0.158	0.02218
43	0.31529	19.929	2.94	0.032	0.165	0.02083
44	0.32279	19.465	2.40	0.571	0.145	0.02440
45	0.33030	19.023	1.37	0.135	0.132	0.02173
46	0.33781	18.600	0.42	0.384	0.099	0.02201
47	0.34531	18.196	1.17	0.243	0.066	0.01896
48	0.35282	17.809	0.84	0.049	0.048	0.01700
49	0.36033	17.437	0.33	0.380	0.053	0.01625
50	0.36783	17.082	0.24	0.012	0.047	0.01512
51	0.37534	16.740	0.71	0.337	0.039	0.01474
52	0.38285	16.412	0.82	0.172	0.053	0.01938
53	0.39035	16.096	0.37	0.025	0.058	0.01920
54	0.39786	15.792	1.19	0.671	0.053	0.01703
55	0.40537	15.500	0.54	0.001	0.049	0.01965

Spectral Density Estimates  
 Spectral Window: 5 (Rec)  
 Tin Prodn: (1156-1992)

PER.10

12:46 Tuesday, September 13, 1994

OBS	FREQ	PERIOD	RAW DATA	LOG	RAW DATA	LOG
			P_01	P_02	S_01	S_02
56	0.41287	15.2182	0.38414	0.20066	0.05123	0.020783
57	0.42038	14.9464	0.56197	0.33628	0.04571	0.015894
58	0.42789	14.6842	0.54172	0.09676	0.04260	0.017922
59	0.43539	14.4310	0.84405	0.36426	0.04845	0.015307
60	0.44290	14.1864	0.34486	0.12812	0.04866	0.012869
61	0.45041	13.9500	0.75159	0.03633	0.04535	0.012904
62	0.45791	13.7213	0.57544	0.18310	0.03786	0.007520
63	0.46542	13.5000	0.33351	0.09900	0.03939	0.007705
64	0.47293	13.2857	0.37372	0.02594	0.02866	0.009793
65	0.48043	13.0781	0.44076	0.13972	0.02448	0.008117
66	0.48794	12.8769	0.07711	0.16753	0.04852	0.012203
67	0.49545	12.6818	0.31296	0.07783	0.07871	0.015454
68	0.50296	12.4925	1.84411	0.35573	0.10834	0.013593
69	0.51046	12.3088	2.27043	0.23020	0.13172	0.014138
70	0.51797	12.1304	2.30242	0.02282	0.13214	0.013780
71	0.52548	11.9571	1.54615	0.20173	0.10934	0.008490
72	0.53298	11.7887	0.33927	0.05536	0.08904	0.007127
73	0.54049	11.6250	0.41188	0.02336	0.06550	0.007848
74	0.54800	11.4658	0.99460	0.14450	0.05219	0.005150
75	0.55550	11.3108	0.82332	0.06813	0.05673	0.006450
76	0.56301	11.1600	0.71016	0.03224	0.05953	0.007873
77	0.57052	11.0132	0.62449	0.13705	0.05211	0.008219
78	0.57802	10.8701	0.58799	0.11277	0.04118	0.007527
79	0.58553	10.7308	0.52819	0.16622	0.03003	0.009293
80	0.59304	10.5949	0.13628	0.02464	0.02195	0.007684
81	0.60054	10.4625	0.00999	0.14322	0.01513	0.008040
82	0.60805	10.3333	0.11697	0.03597	0.01139	0.008598
83	0.61556	10.2073	0.15949	0.13511	0.01329	0.008423
84	0.62306	10.0843	0.29270	0.20128	0.01739	0.006885
85	0.63057	9.9643	0.25595	0.01368	0.01764	0.006652
86	0.63808	9.8471	0.26741	0.04658	0.01618	0.005544
87	0.64558	9.7326	0.13290	0.02132	0.01430	0.002547
88	0.65309	9.6207	0.06743	0.06545	0.01893	0.004843
89	0.66060	9.5114	0.17483	0.01302	0.03492	0.004648
90	0.66810	9.4045	0.54683	0.15794	0.05328	0.005006
91	0.67561	9.3000	1.27197	0.03432	0.07005	0.007343
92	0.68312	9.1978	1.28636	0.04378	0.08253	0.008070
93	0.69062	9.0978	1.12160	0.21232	0.07762	0.006574
94	0.69813	9.0000	0.95861	0.05868	0.06327	0.008552
95	0.70564	8.9043	0.23852	0.06397	0.04847	0.008170
96	0.71315	8.8105	0.37018	0.15858	0.03118	0.006321
97	0.72065	8.7187	0.35668	0.01976	0.01672	0.005800
98	0.72816	8.6289	0.03482	0.09615	0.01335	0.005732
99	0.73567	8.5408	0.05021	0.02597	0.00859	0.003580
100	0.74317	8.4545	0.02716	0.05968	0.00791	0.005400
101	0.75068	8.3700	0.07080	0.02337	0.01088	0.005976
102	0.75819	8.2871	0.31388	0.13414	0.01754	0.006330
103	0.76569	8.2059	0.22187	0.13236	0.02829	0.007898
104	0.77320	8.1262	0.46832	0.04820	0.04025	0.008709
105	0.78071	8.0481	0.70238	0.15816	0.04238	0.007476
106	0.78821	7.9714	0.82251	0.07434	0.04605	0.006804
107	0.79572	7.8962	0.44792	0.05665	0.04533	0.006509
108	0.80323	7.8224	0.45236	0.09016	0.03644	0.004785
109	0.81073	7.7500	0.42277	0.02965	0.03012	0.003763
110	0.81824	7.6789	0.14427	0.04986	0.03300	0.003689

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 41 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:02 Tuesday, September 20, 1994

PER. 11

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	1.12172
2	0.00751	837.000	51.741	1.11241
3	0.01501	418.500	13.447	1.08468
4	0.02252	279.000	27.166	1.05213
5	0.03003	209.250	8.029	1.00987
6	0.03753	167.400	20.020	0.96504
7	0.04504	139.500	9.212	0.91305
8	0.05255	119.571	6.272	0.85793
9	0.06005	104.625	3.429	0.80067
10	0.06756	93.000	0.642	0.74224
11	0.07507	83.700	1.039	0.68392
12	0.08257	76.091	1.030	0.62547
13	0.09008	69.750	1.477	0.56685
14	0.09759	64.385	0.139	0.50788
15	0.10510	59.786	0.358	0.44953
16	0.11260	55.800	0.874	0.39218
17	0.12011	52.313	0.059	0.33630
18	0.12762	49.235	1.294	0.28406
19	0.13512	46.500	0.057	0.23284
20	0.14263	44.053	0.080	0.18654
21	0.15014	41.850	0.816	0.14271
22	0.15764	39.857	0.135	0.10793
23	0.16515	38.045	0.639	0.08246
24	0.17266	36.391	0.070	0.06614
25	0.18016	34.875	0.448	0.05224
26	0.18767	33.480	0.487	0.04314
27	0.19518	32.192	0.368	0.03533
28	0.20268	31.000	0.199	0.03106
29	0.21019	29.893	0.275	0.02839
30	0.21770	28.862	0.269	0.02679
31	0.22520	27.900	0.408	0.02576
32	0.23271	27.000	0.365	0.02472
33	0.24022	26.156	0.038	0.02378
34	0.24772	25.364	0.382	0.02305
35	0.25523	24.618	0.262	0.02247
36	0.26274	23.914	0.019	0.02183
37	0.27024	23.250	0.699	0.02129
38	0.27775	22.622	0.262	0.02066
39	0.28526	22.026	0.151	0.01997
40	0.29276	21.462	0.254	0.01954
41	0.30027	20.925	0.402	0.01903
42	0.30778	20.415	0.059	0.01842
43	0.31529	19.929	0.131	0.01798
44	0.32279	19.465	0.214	0.01752
45	0.33030	19.023	0.095	0.01717
46	0.33781	18.600	0.373	0.01680
47	0.34531	18.196	0.074	0.01640
48	0.35282	17.809	0.319	0.01609
49	0.36033	17.437	0.072	0.01576
50	0.36783	17.082	0.167	0.01546
51	0.37534	16.740	0.324	0.01516
52	0.38285	16.412	0.112	0.01481
53	0.39035	16.096	0.204	0.01451
54	0.39786	15.792	0.248	0.01423
55	0.40537	15.500	0.080	0.01391



Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 20 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:40 Wednesday, September 14, 1994

PER. 12

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	1.32375
2	0.00751	837.000	51.741	1.32375
3	0.01501	418.500	13.447	1.32529
4	0.02252	279.000	27.166	1.31753
5	0.03003	209.250	8.029	1.29312
6	0.03753	167.400	20.020	1.25789
7	0.04504	139.500	9.212	1.18172
8	0.05255	119.571	6.272	1.15000
9	0.06005	104.625	3.429	1.04706
10	0.06756	93.000	0.642	0.99379
11	0.07507	83.700	1.039	0.78823
12	0.08257	76.091	1.030	0.58561
13	0.09008	69.750	1.477	0.38028
14	0.09759	64.385	0.139	0.32932
15	0.10510	59.786	0.358	0.22151
16	0.11260	55.800	0.874	0.19134
17	0.12011	52.313	0.059	0.11363
18	0.12762	49.235	1.294	0.07844
19	0.13512	46.500	0.057	0.05427
20	0.14263	44.053	0.080	0.04172
21	0.15014	41.850	0.816	0.04024
22	0.15764	39.857	0.135	0.03773
23	0.16515	38.045	0.639	0.03509
24	0.17266	36.391	0.070	0.02936
25	0.18016	34.875	0.448	0.03032
26	0.18767	33.480	0.487	0.02994
27	0.19518	32.192	0.368	0.02654
28	0.20268	31.000	0.199	0.02908
29	0.21019	29.893	0.275	0.02498
30	0.21770	28.862	0.269	0.02535
31	0.22520	27.900	0.408	0.02605
32	0.23271	27.000	0.365	0.02440
33	0.24022	26.156	0.038	0.02410
34	0.24772	25.364	0.382	0.02207
35	0.25523	24.618	0.262	0.02265
36	0.26274	23.914	0.019	0.02124
37	0.27024	23.250	0.699	0.02079
38	0.27775	22.622	0.262	0.01962
39	0.28526	22.026	0.151	0.02010
40	0.29276	21.462	0.254	0.01929
41	0.30027	20.925	0.402	0.01889
42	0.30778	20.415	0.059	0.01855
43	0.31529	19.929	0.131	0.01754
44	0.32279	19.465	0.214	0.01820
45	0.33030	19.023	0.095	0.01767
46	0.33781	18.600	0.373	0.01695
47	0.34531	18.196	0.074	0.01718
48	0.35282	17.809	0.319	0.01539
49	0.36033	17.437	0.072	0.01451
50	0.36783	17.082	0.167	0.01431
51	0.37534	16.740	0.324	0.01497
52	0.38285	16.412	0.112	0.01348
53	0.39035	16.096	0.204	0.01412
54	0.39786	15.792	0.248	0.01431
55	0.40537	15.500	0.080	0.01359

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 21 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:40 Wednesday, September 14, 1994

PER. 13

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	1.84200
2	0.00751	837.000	51.741	1.80865
3	0.01501	418.500	13.447	1.70890
4	0.02252	279.000	27.166	1.59197
5	0.03003	209.250	8.029	1.44181
6	0.03753	167.400	20.020	1.28578
7	0.04504	139.500	9.212	1.10951
8	0.05255	119.571	6.272	0.93515
9	0.06005	104.625	3.429	0.75786
10	0.06756	93.000	0.642	0.59397
11	0.07507	83.700	1.039	0.43862
12	0.08257	76.091	1.030	0.31602
13	0.09008	69.750	1.477	0.22651
14	0.09759	64.385	0.139	0.16913
15	0.10510	59.786	0.358	0.12071
16	0.11260	55.800	0.874	0.09001
17	0.12011	52.313	0.059	0.06368
18	0.12762	49.235	1.294	0.05057
19	0.13512	46.500	0.057	0.04199
20	0.14263	44.053	0.080	0.03764
21	0.15014	41.850	0.816	0.03571
22	0.15764	39.857	0.135	0.03337
23	0.16515	38.045	0.639	0.03156
24	0.17266	36.391	0.070	0.02984
25	0.18016	34.875	0.448	0.02917
26	0.18767	33.480	0.487	0.02801
27	0.19518	32.192	0.368	0.02691
28	0.20268	31.000	0.199	0.02607
29	0.21019	29.893	0.275	0.02511
30	0.21770	28.862	0.269	0.02480
31	0.22520	27.900	0.408	0.02444
32	0.23271	27.000	0.365	0.02364
33	0.24022	26.156	0.038	0.02298
34	0.24772	25.364	0.382	0.02250
35	0.25523	24.618	0.262	0.02200
36	0.26274	23.914	0.019	0.02144
37	0.27024	23.250	0.699	0.02121
38	0.27775	22.622	0.262	0.02058
39	0.28526	22.026	0.151	0.01990
40	0.29276	21.462	0.254	0.01927
41	0.30027	20.925	0.402	0.01869
42	0.30778	20.415	0.059	0.01783
43	0.31529	19.929	0.131	0.01730
44	0.32279	19.465	0.214	0.01700
45	0.33030	19.023	0.095	0.01650
46	0.33781	18.600	0.373	0.01617
47	0.34531	18.196	0.074	0.01569
48	0.35282	17.809	0.319	0.01515
49	0.36033	17.437	0.072	0.01472
50	0.36783	17.082	0.167	0.01464
51	0.37534	16.740	0.324	0.01445
52	0.38285	16.412	0.112	0.01416
53	0.39035	16.096	0.204	0.01410
54	0.39786	15.792	0.248	0.01383
55	0.40537	15.500	0.080	0.01359

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

11:55 Wednesday, September 14, 1994

PER. 14

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	2.11637
2	0.00751	837.000	51.741	2.03818
3	0.01501	418.500	13.447	2.02547
4	0.02252	279.000	27.166	1.85375
5	0.03003	209.250	8.029	1.76111
6	0.03753	167.400	20.020	1.39432
7	0.04504	139.500	9.212	1.02746
8	0.05255	119.571	6.272	0.66384
9	0.06005	104.625	3.429	0.56757
10	0.06756	93.000	0.642	0.37363
11	0.07507	83.700	1.039	0.32187
12	0.08257	76.091	1.030	0.17746
13	0.09008	69.750	1.477	0.12018
14	0.09759	64.385	0.139	0.07522
15	0.10510	59.786	0.358	0.05099
16	0.11260	55.800	0.874	0.05225
17	0.12011	52.313	0.059	0.04571
18	0.12762	49.235	1.294	0.04289
19	0.13512	46.500	0.057	0.03271
20	0.14263	44.053	0.080	0.03494
21	0.15014	41.850	0.816	0.03588
22	0.15764	39.857	0.135	0.03222
23	0.16515	38.045	0.639	0.03323
24	0.17266	36.391	0.070	0.02586
25	0.18016	34.875	0.448	0.02739
26	0.18767	33.480	0.487	0.02977
27	0.19518	32.192	0.368	0.02651
28	0.20268	31.000	0.199	0.02580
29	0.21019	29.893	0.275	0.02394
30	0.21770	28.862	0.269	0.02533
31	0.22520	27.900	0.408	0.02222
32	0.23271	27.000	0.365	0.02375
33	0.24022	26.156	0.038	0.02299
34	0.24772	25.364	0.382	0.02264
35	0.25523	24.618	0.262	0.02249
36	0.26274	23.914	0.019	0.02345
37	0.27024	23.250	0.699	0.02092
38	0.27775	22.622	0.262	0.01923
39	0.28526	22.026	0.151	0.02051
40	0.29276	21.462	0.254	0.01843
41	0.30027	20.925	0.402	0.01924
42	0.30778	20.415	0.059	0.01963
43	0.31529	19.929	0.131	0.01689
44	0.32279	19.465	0.214	0.01551
45	0.33030	19.023	0.095	0.01563
46	0.33781	18.600	0.373	0.01613
47	0.34531	18.196	0.074	0.01404
48	0.35282	17.809	0.319	0.01509
49	0.36033	17.437	0.072	0.01593
50	0.36783	17.082	0.167	0.01496
51	0.37534	16.740	0.324	0.01484
52	0.38285	16.412	0.112	0.01393
53	0.39035	16.096	0.204	0.01370
54	0.39786	15.792	0.248	0.01211
55	0.40537	15.500	0.080	0.01464

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

11:55 Wednesday, September 14, 1994

PER. 15

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	2.58755
2	0.00751	837.000	51.741	2.49354
3	0.01501	418.500	13.447	2.22890
4	0.02252	279.000	27.166	1.93015
5	0.03003	209.250	8.029	1.57276
6	0.03753	167.400	20.020	1.21189
7	0.04504	139.500	9.212	0.87917
8	0.05255	119.571	6.272	0.62337
9	0.06005	104.625	3.429	0.45451
10	0.06756	93.000	0.642	0.30100
11	0.07507	83.700	1.039	0.20665
12	0.08257	76.091	1.030	0.12557
13	0.09008	69.750	1.477	0.08706
14	0.09759	64.385	0.139	0.06250
15	0.10510	59.786	0.358	0.05137
16	0.11260	55.800	0.874	0.04805
17	0.12011	52.313	0.059	0.04258
18	0.12762	49.235	1.294	0.04055
19	0.13512	46.500	0.057	0.03524
20	0.14263	44.053	0.080	0.03393
21	0.15014	41.850	0.816	0.03365
22	0.15764	39.857	0.135	0.03137
23	0.16515	38.045	0.639	0.03086
24	0.17266	36.391	0.070	0.02827
25	0.18016	34.875	0.448	0.02882
26	0.18767	33.480	0.487	0.02841
27	0.19518	32.192	0.368	0.02684
28	0.20268	31.000	0.199	0.02553
29	0.21019	29.893	0.275	0.02448
30	0.21770	28.862	0.269	0.02421
31	0.22520	27.900	0.408	0.02295
32	0.23271	27.000	0.365	0.02241
33	0.24022	26.156	0.038	0.02192
34	0.24772	25.364	0.382	0.02240
35	0.25523	24.618	0.262	0.02220
36	0.26274	23.914	0.019	0.02234
37	0.27024	23.250	0.699	0.02312
38	0.27775	22.622	0.262	0.02200
39	0.28526	22.026	0.151	0.02101
40	0.29276	21.462	0.254	0.01964
41	0.30027	20.925	0.402	0.01882
42	0.30778	20.415	0.059	0.01696
43	0.31529	19.929	0.131	0.01559
44	0.32279	19.465	0.214	0.01535
45	0.33030	19.023	0.095	0.01510
46	0.33781	18.600	0.373	0.01548
47	0.34531	18.196	0.074	0.01502
48	0.35282	17.809	0.319	0.01558
49	0.36033	17.437	0.072	0.01540
50	0.36783	17.082	0.167	0.01538
51	0.37534	16.740	0.324	0.01526
52	0.38285	16.412	0.112	0.01447
53	0.39035	16.096	0.204	0.01410
54	0.39786	15.792	0.248	0.01321
55	0.40537	15.500	0.080	0.01285

## Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Rec)

PER. 16

Basic (Homoscedastic Approxm) Model: Residual

11:55 Wednesday, September 14, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	2.23265
2	0.00751	837.000	51.741	2.33866
3	0.01501	418.500	13.447	2.17991
4	0.02252	279.000	27.166	2.11648
5	0.03003	209.250	8.029	1.68931
6	0.03753	167.400	20.020	1.23749
7	0.04504	139.500	9.212	0.78919
8	0.05255	119.571	6.272	0.67941
9	0.06005	104.625	3.429	0.45226
10	0.06756	93.000	0.642	0.38250
11	0.07507	83.700	1.039	0.20865
12	0.08257	76.091	1.030	0.13493
13	0.09008	69.750	1.477	0.07999
14	0.09759	64.385	0.139	0.06111
15	0.10510	59.786	0.358	0.05594
16	0.11260	55.800	0.874	0.04746
17	0.12011	52.313	0.059	0.04557
18	0.12762	49.235	1.294	0.03370
19	0.13512	46.500	0.057	0.03813
20	0.14263	44.053	0.080	0.03558
21	0.15014	41.850	0.816	0.03182
22	0.15764	39.857	0.135	0.03560
23	0.16515	38.045	0.639	0.02741
24	0.17266	36.391	0.070	0.02867
25	0.18016	34.875	0.448	0.03039
26	0.18767	33.480	0.487	0.02556
27	0.19518	32.192	0.368	0.02797
28	0.20268	31.000	0.199	0.02555
29	0.21019	29.893	0.275	0.02526
30	0.21770	28.862	0.269	0.02468
31	0.22520	27.900	0.408	0.02269
32	0.23271	27.000	0.365	0.01960
33	0.24022	26.156	0.038	0.02402
34	0.24772	25.364	0.382	0.02391
35	0.25523	24.618	0.262	0.02286
36	0.26274	23.914	0.019	0.02150
37	0.27024	23.250	0.699	0.02182
38	0.27775	22.622	0.262	0.02201
39	0.28526	22.026	0.151	0.01979
40	0.29276	21.462	0.254	0.01937
41	0.30027	20.925	0.402	0.02005
42	0.30778	20.415	0.059	0.01717
43	0.31529	19.929	0.131	0.01550
44	0.32279	19.465	0.214	0.01699
45	0.33030	19.023	0.095	0.01538
46	0.33781	18.600	0.373	0.01331
47	0.34531	18.196	0.074	0.01564
48	0.35282	17.809	0.319	0.01548
49	0.36033	17.437	0.072	0.01539
50	0.36783	17.082	0.167	0.01674
51	0.37534	16.740	0.324	0.01415
52	0.38285	16.412	0.112	0.01419
53	0.39035	16.096	0.204	0.01355
54	0.39786	15.792	0.248	0.01329
55	0.40537	15.500	0.080	0.01269

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

11:55 Wednesday, September 14, 1994

PER. 17

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	2.79486
2	0.00751	837.000	51.741	2.69389
3	0.01501	418.500	13.447	2.31841
4	0.02252	279.000	27.166	1.96376
5	0.03003	209.250	8.029	1.48988
6	0.03753	167.400	20.020	1.13163
7	0.04504	139.500	9.212	0.81393
8	0.05255	119.571	6.272	0.60556
9	0.06005	104.625	3.429	0.40476
10	0.06756	93.000	0.642	0.26905
11	0.07507	83.700	1.039	0.15595
12	0.08257	76.091	1.030	0.10274
13	0.09008	69.750	1.477	0.07249
14	0.09759	64.385	0.139	0.05691
15	0.10510	59.786	0.358	0.05154
16	0.11260	55.800	0.874	0.04620
17	0.12011	52.313	0.059	0.04120
18	0.12762	49.235	1.294	0.03952
19	0.13512	46.500	0.057	0.03635
20	0.14263	44.053	0.080	0.03348
21	0.15014	41.850	0.816	0.03267
22	0.15764	39.857	0.135	0.03100
23	0.16515	38.045	0.639	0.02982
24	0.17266	36.391	0.070	0.02933
25	0.18016	34.875	0.448	0.02944
26	0.18767	33.480	0.487	0.02782
27	0.19518	32.192	0.368	0.02699
28	0.20268	31.000	0.199	0.02541
29	0.21019	29.893	0.275	0.02472
30	0.21770	28.862	0.269	0.02372
31	0.22520	27.900	0.408	0.02327
32	0.23271	27.000	0.365	0.02182
33	0.24022	26.156	0.038	0.02145
34	0.24772	25.364	0.382	0.02230
35	0.25523	24.618	0.262	0.02208
36	0.26274	23.914	0.019	0.02185
37	0.27024	23.250	0.699	0.02408
38	0.27775	22.622	0.262	0.02322
39	0.28526	22.026	0.151	0.02123
40	0.29276	21.462	0.254	0.02017
41	0.30027	20.925	0.402	0.01864
42	0.30778	20.415	0.059	0.01579
43	0.31529	19.929	0.131	0.01502
44	0.32279	19.465	0.214	0.01527
45	0.33030	19.023	0.095	0.01487
46	0.33781	18.600	0.373	0.01520
47	0.34531	18.196	0.074	0.01546
48	0.35282	17.809	0.319	0.01580
49	0.36033	17.437	0.072	0.01517
50	0.36783	17.082	0.167	0.01556
51	0.37534	16.740	0.324	0.01544
52	0.38285	16.412	0.112	0.01470
53	0.39035	16.096	0.204	0.01427
54	0.39786	15.792	0.248	0.01369
55	0.40537	15.500	0.080	0.01207

Spectral Density Estimates: (Tin Prodn 1156-1992)  
 Spectral Window: 5 (Rec)  
 Basic (Homoscedastic Approxm) Model: Residual

PER. 18

11:55 Wednesday, September 14, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	2.89845
2	0.00751	837.000	51.741	3.11681
3	0.01501	418.500	13.447	2.42112
4	0.02252	279.000	27.166	1.91626
5	0.03003	209.250	8.029	1.23940
6	0.03753	167.400	20.020	1.12521
7	0.04504	139.500	9.212	0.74742
8	0.05255	119.571	6.272	0.62985
9	0.06005	104.625	3.429	0.32776
10	0.06756	93.000	0.642	0.19754
11	0.07507	83.700	1.039	0.12123
12	0.08257	76.091	1.030	0.06886
13	0.09008	69.750	1.477	0.06434
14	0.09759	64.385	0.139	0.06172
15	0.10510	59.786	0.358	0.04627
16	0.11260	55.800	0.874	0.04335
17	0.12011	52.313	0.059	0.04204
18	0.12762	49.235	1.294	0.03762
19	0.13512	46.500	0.057	0.03670
20	0.14263	44.053	0.080	0.03791
21	0.15014	41.850	0.816	0.02749
22	0.15764	39.857	0.135	0.02770
23	0.16515	38.045	0.639	0.03356
24	0.17266	36.391	0.070	0.02833
25	0.18016	34.875	0.448	0.03203
26	0.18767	33.480	0.487	0.02502
27	0.19518	32.192	0.368	0.02828
28	0.20268	31.000	0.199	0.02543
29	0.21019	29.893	0.275	0.02418
30	0.21770	28.862	0.269	0.02414
31	0.22520	27.900	0.408	0.02157
32	0.23271	27.000	0.365	0.02328
33	0.24022	26.156	0.038	0.02316
34	0.24772	25.364	0.382	0.01696
35	0.25523	24.618	0.262	0.02226
36	0.26274	23.914	0.019	0.02583
37	0.27024	23.250	0.699	0.02216
38	0.27775	22.622	0.262	0.02203
39	0.28526	22.026	0.151	0.02813
40	0.29276	21.462	0.254	0.01795
41	0.30027	20.925	0.402	0.01587
42	0.30778	20.415	0.059	0.01688
43	0.31529	19.929	0.131	0.01435
44	0.32279	19.465	0.214	0.01389
45	0.33030	19.023	0.095	0.01412
46	0.33781	18.600	0.373	0.01712
47	0.34531	18.196	0.074	0.01485
48	0.35282	17.809	0.319	0.01599
49	0.36033	17.437	0.072	0.01521
50	0.36783	17.082	0.167	0.01582
51	0.37534	16.740	0.324	0.01399
52	0.38285	16.412	0.112	0.01679
53	0.39035	16.096	0.204	0.01540
54	0.39786	15.792	0.248	0.01151
55	0.40537	15.500	0.080	0.01365

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

11:55 Wednesday, September 14, 1994

PER. 19

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	3.44021
2	0.00751	837.000	51.741	3.22292
3	0.01501	418.500	13.447	2.28055
4	0.02252	279.000	27.166	1.73488
5	0.03003	209.250	8.029	1.24775
6	0.03753	167.400	20.020	1.13158
7	0.04504	139.500	9.212	0.81061
8	0.05255	119.571	6.272	0.57260
9	0.06005	104.625	3.429	0.30386
10	0.06756	93.000	0.642	0.16060
11	0.07507	83.700	1.039	0.10050
12	0.08257	76.091	1.030	0.07872
13	0.09008	69.750	1.477	0.07221
14	0.09759	64.385	0.139	0.05297
15	0.10510	59.786	0.358	0.04099
16	0.11260	55.800	0.874	0.04322
17	0.12011	52.313	0.059	0.04357
18	0.12762	49.235	1.294	0.04481
19	0.13512	46.500	0.057	0.03354
20	0.14263	44.053	0.080	0.03019
21	0.15014	41.850	0.816	0.03160
22	0.15764	39.857	0.135	0.03065
23	0.16515	38.045	0.639	0.03177
24	0.17266	36.391	0.070	0.02660
25	0.18016	34.875	0.448	0.03064
26	0.18767	33.480	0.487	0.02973
27	0.19518	32.192	0.368	0.02828
28	0.20268	31.000	0.199	0.02333
29	0.21019	29.893	0.275	0.02243
30	0.21770	28.862	0.269	0.02421
31	0.22520	27.900	0.408	0.02482
32	0.23271	27.000	0.365	0.02334
33	0.24022	26.156	0.038	0.02014
34	0.24772	25.364	0.382	0.01883
35	0.25523	24.618	0.262	0.02054
36	0.26274	23.914	0.019	0.02318
37	0.27024	23.250	0.699	0.02715
38	0.27775	22.622	0.262	0.02439
39	0.28526	22.026	0.151	0.02286
40	0.29276	21.462	0.254	0.01935
41	0.30027	20.925	0.402	0.01869
42	0.30778	20.415	0.059	0.01513
43	0.31529	19.929	0.131	0.01271
44	0.32279	19.465	0.214	0.01351
45	0.33030	19.023	0.095	0.01473
46	0.33781	18.600	0.373	0.01760
47	0.34531	18.196	0.074	0.01567
48	0.35282	17.809	0.319	0.01582
49	0.36033	17.437	0.072	0.01402
50	0.36783	17.082	0.167	0.01524
51	0.37534	16.740	0.324	0.01596
52	0.38285	16.412	0.112	0.01598
53	0.39035	16.096	0.204	0.01535
54	0.39786	15.792	0.248	0.01329
55	0.40537	15.500	0.080	0.01189



Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:40 Wednesday, September 14, 1994

PER. 20

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	4.11740
2	0.00751	837.000	51.741	3.10161
3	0.01501	418.500	13.447	2.44976
4	0.02252	279.000	27.166	1.29027
5	0.03003	209.250	8.029	1.46462
6	0.03753	167.400	20.020	0.98837
7	0.04504	139.500	9.212	0.94176
8	0.05255	119.571	6.272	0.50169
9	0.06005	104.625	3.429	0.27436
10	0.06756	93.000	0.642	0.13554
11	0.07507	83.700	1.039	0.07190
12	0.08257	76.091	1.030	0.09407
13	0.09008	69.750	1.477	0.07020
14	0.09759	64.385	0.139	0.05236
15	0.10510	59.786	0.358	0.03636
16	0.11260	55.800	0.874	0.03424
17	0.12011	52.313	0.059	0.05907
18	0.12762	49.235	1.294	0.03740
19	0.13512	46.500	0.057	0.03795
20	0.14263	44.053	0.080	0.02527
21	0.15014	41.850	0.816	0.02735
22	0.15764	39.857	0.135	0.04219
23	0.16515	38.045	0.639	0.02241
24	0.17266	36.391	0.070	0.03071
25	0.18016	34.875	0.448	0.02667
26	0.18767	33.480	0.487	0.03456
27	0.19518	32.192	0.368	0.02795
28	0.20268	31.000	0.199	0.02233
29	0.21019	29.893	0.275	0.01970
30	0.21770	28.862	0.269	0.02526
31	0.22520	27.900	0.408	0.02766
32	0.23271	27.000	0.365	0.02153
33	0.24022	26.156	0.038	0.02083
34	0.24772	25.364	0.382	0.01808
35	0.25523	24.618	0.262	0.01757
36	0.26274	23.914	0.019	0.02597
37	0.27024	23.250	0.699	0.02598
38	0.27775	22.622	0.262	0.02949
39	0.28526	22.026	0.151	0.01769
40	0.29276	21.462	0.254	0.02140
41	0.30027	20.925	0.402	0.01896
42	0.30778	20.415	0.059	0.01570
43	0.31529	19.929	0.131	0.01074
44	0.32279	19.465	0.214	0.01169
45	0.33030	19.023	0.095	0.01811
46	0.33781	18.600	0.373	0.01438
47	0.34531	18.196	0.074	0.02031
48	0.35282	17.809	0.319	0.01233
49	0.36033	17.437	0.072	0.01481
50	0.36783	17.082	0.167	0.01492
51	0.37534	16.740	0.324	0.01599
52	0.38285	16.412	0.112	0.01698
53	0.39035	16.096	0.204	0.01497
54	0.39786	15.792	0.248	0.01412
55	0.40537	15.500	0.080	0.01079

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:40 Wednesday, September 14, 1994

PER. 21

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	156.426	4.11740
2	0.00751	837.000	51.741	3.35556
3	0.01501	418.500	13.447	2.10483
4	0.02252	279.000	27.166	1.50816
5	0.03003	209.250	8.029	1.25820
6	0.03753	167.400	20.020	1.13955
7	0.04504	139.500	9.212	0.88959
8	0.05255	119.571	6.272	0.50105
9	0.06005	104.625	3.429	0.27399
10	0.06756	93.000	0.642	0.11442
11	0.07507	83.700	1.039	0.07459
12	0.08257	76.091	1.030	0.09104
13	0.09008	69.750	1.477	0.08204
14	0.09759	64.385	0.139	0.04203
15	0.10510	59.786	0.358	0.03439
16	0.11260	55.800	0.874	0.04307
17	0.12011	52.313	0.059	0.04548
18	0.12762	49.235	1.294	0.05379
19	0.13512	46.500	0.057	0.02959
20	0.14263	44.053	0.080	0.02054
21	0.15014	41.850	0.816	0.03674
22	0.15764	39.857	0.135	0.03433
23	0.16515	38.045	0.639	0.02952
24	0.17266	36.391	0.070	0.02443
25	0.18016	34.875	0.448	0.02891
26	0.18767	33.480	0.487	0.03560
27	0.19518	32.192	0.368	0.02828
28	0.20268	31.000	0.199	0.02070
29	0.21019	29.893	0.275	0.02025
30	0.21770	28.862	0.269	0.02429
31	0.22520	27.900	0.408	0.02887
32	0.23271	27.000	0.365	0.02342
33	0.24022	26.156	0.038	0.01637
34	0.24772	25.364	0.382	0.02116
35	0.25523	24.618	0.262	0.01839
36	0.26274	23.914	0.019	0.01985
37	0.27024	23.250	0.699	0.03338
38	0.27775	22.622	0.262	0.02733
39	0.28526	22.026	0.151	0.01627
40	0.29276	21.462	0.254	0.02110
41	0.30027	20.925	0.402	0.02221
42	0.30778	20.415	0.059	0.01296
43	0.31529	19.929	0.131	0.01066
44	0.32279	19.465	0.214	0.01304
45	0.33030	19.023	0.095	0.01548
46	0.33781	18.600	0.373	0.01820
47	0.34531	18.196	0.074	0.01670
48	0.35282	17.809	0.319	0.01560
49	0.36033	17.437	0.072	0.01253
50	0.36783	17.082	0.167	0.01452
51	0.37534	16.740	0.324	0.01843
52	0.38285	16.412	0.112	0.01496
53	0.39035	16.096	0.204	0.01529
54	0.39786	15.792	0.248	0.01552
55	0.40537	15.500	0.080	0.00968

## Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

10:59 Thursday, September 15, 1994

PER. 22

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.24378
2	0.02094	300.000	4.07615	0.22920
3	0.04189	150.000	1.71801	0.19983
4	0.06283	100.000	4.10744	0.18565
5	0.08378	75.000	1.84571	0.15053
6	0.10472	60.000	0.19690	0.11731
7	0.12566	50.000	0.78578	0.08283
8	0.14661	42.857	0.11471	0.07120
9	0.16755	37.500	0.10339	0.03540
10	0.18850	33.333	0.31905	0.02133
11	0.20944	30.000	0.17675	0.01960
12	0.23038	27.273	0.40254	0.01303
13	0.25133	25.000	0.05925	0.01261
14	0.27227	23.077	0.25384	0.01203
15	0.29322	21.429	0.00185	0.00999
16	0.31416	20.000	0.04189	0.00876
17	0.33510	18.750	0.06749	0.00560
18	0.35605	17.647	0.03763	0.00707
19	0.37699	16.667	0.08887	0.00490
20	0.39794	15.789	0.03736	0.00648
21	0.41888	15.000	0.04497	0.00627
22	0.43982	14.286	0.22536	0.00592
23	0.46077	13.636	0.00865	0.00568
24	0.48171	13.043	0.18117	0.00541
25	0.50265	12.500	0.01708	0.00533
26	0.52360	12.000	0.02828	0.00511
27	0.54454	11.538	0.01018	0.00331
28	0.56549	11.111	0.05878	0.00329
29	0.58643	10.714	0.02788	0.00193
30	0.60737	10.345	0.02007	0.00193
31	0.62832	10.000	0.02221	0.00194
32	0.64926	9.677	0.00654	0.00210
33	0.67021	9.375	0.02703	0.00166
34	0.69115	9.091	0.01731	0.00167
35	0.71209	8.824	0.02952	0.00160
36	0.73304	8.571	0.02795	0.00148
37	0.75398	8.333	0.00941	0.00149
38	0.77493	8.108	0.02875	0.00136
39	0.79587	7.895	0.01195	0.00132
40	0.81681	7.692	0.00841	0.00126
41	0.83776	7.500	0.00778	0.00104
42	0.85870	7.317	0.01295	0.00100
43	0.87965	7.143	0.01286	0.00079
44	0.90059	6.977	0.02255	0.00076
45	0.92153	6.818	0.00312	0.00078
46	0.94248	6.667	0.00508	0.00075
47	0.96342	6.522	0.00496	0.00075
48	0.98437	6.383	0.00857	0.00069
49	1.00531	6.250	0.01057	0.00057
50	1.02625	6.122	0.00379	0.00063
51	1.04720	6.000	0.01380	0.00060
52	1.06814	5.882	0.00595	0.00063
53	1.08909	5.769	0.00853	0.00060
54	1.11003	5.660	0.00984	0.00057
55	1.13097	5.556	0.00156	0.00054

## Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

10:59 Thursday, September 15, 1994

PER. 23

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.26553
2	0.02094	300.000	4.07615	0.25318
3	0.04189	150.000	1.71801	0.22326
4	0.06283	100.000	4.10744	0.19584
5	0.08378	75.000	1.84571	0.14807
6	0.10472	60.000	0.19690	0.10254
7	0.12566	50.000	0.78578	0.06930
8	0.14661	42.857	0.11471	0.04530
9	0.16755	37.500	0.10339	0.02624
10	0.18850	33.333	0.31905	0.02040
11	0.20944	30.000	0.17675	0.01841
12	0.23038	27.273	0.40254	0.01605
13	0.25133	25.000	0.05925	0.01385
14	0.27227	23.077	0.25384	0.01175
15	0.29322	21.429	0.00185	0.00865
16	0.31416	20.000	0.04189	0.00668
17	0.33510	18.750	0.06749	0.00514
18	0.35605	17.647	0.03763	0.00517
19	0.37699	16.667	0.08887	0.00518
20	0.39794	15.789	0.03736	0.00600
21	0.41888	15.000	0.04497	0.00665
22	0.43982	14.286	0.22536	0.00724
23	0.46077	13.636	0.00865	0.00664
24	0.48171	13.043	0.18117	0.00629
25	0.50265	12.500	0.01708	0.00516
26	0.52360	12.000	0.02828	0.00410
27	0.54454	11.538	0.01018	0.00308
28	0.56549	11.111	0.05878	0.00273
29	0.58643	10.714	0.02788	0.00212
30	0.60737	10.345	0.02007	0.00196
31	0.62832	10.000	0.02221	0.00183
32	0.64926	9.677	0.00654	0.00173
33	0.67021	9.375	0.02703	0.00165
34	0.69115	9.091	0.01731	0.00168
35	0.71209	8.824	0.02952	0.00173
36	0.73304	8.571	0.02795	0.00168
37	0.75398	8.333	0.00941	0.00154
38	0.77493	8.108	0.02875	0.00141
39	0.79587	7.895	0.01195	0.00122
40	0.81681	7.692	0.00841	0.00109
41	0.83776	7.500	0.00778	0.00100
42	0.85870	7.317	0.01295	0.00097
43	0.87965	7.143	0.01286	0.00090
44	0.90059	6.977	0.02255	0.00087
45	0.92153	6.818	0.00312	0.00077
46	0.94248	6.667	0.00508	0.00068
47	0.96342	6.522	0.00496	0.00064
48	0.98437	6.383	0.00857	0.00062
49	1.00531	6.250	0.01057	0.00061
50	1.02625	6.122	0.00379	0.00064
51	1.04720	6.000	0.01380	0.00066
52	1.06814	5.882	0.00595	0.00064
53	1.08909	5.769	0.00853	0.00061
54	1.11003	5.660	0.00984	0.00058
55	1.13097	5.556	0.00156	0.00052

## Spectral Density Estimates (SUBSET|Tin 1156-1455)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

10:59 Thursday, September 15, 1994

PER. 24

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.24931
2	0.02094	300.000	4.07615	0.28734
3	0.04189	150.000	1.71801	0.25184
4	0.06283	100.000	4.10744	0.19010
5	0.08378	75.000	1.84571	0.13773
6	0.10472	60.000	0.19690	0.11221
7	0.12566	50.000	0.78578	0.04849
8	0.14661	42.857	0.11471	0.02419
9	0.16755	37.500	0.10339	0.02387
10	0.18850	33.333	0.31905	0.01777
11	0.20944	30.000	0.17675	0.01689
12	0.23038	27.273	0.40254	0.01928
13	0.25133	25.000	0.05925	0.01423
14	0.27227	23.077	0.25384	0.01209
15	0.29322	21.429	0.00185	0.00675
16	0.31416	20.000	0.04189	0.00641
17	0.33510	18.750	0.06749	0.00378
18	0.35605	17.647	0.03763	0.00435
19	0.37699	16.667	0.08887	0.00440
20	0.39794	15.789	0.03736	0.00691
21	0.41888	15.000	0.04497	0.00645
22	0.43982	14.286	0.22536	0.00792
23	0.46077	13.636	0.00865	0.00760
24	0.48171	13.043	0.18117	0.00733
25	0.50265	12.500	0.01708	0.00390
26	0.52360	12.000	0.02828	0.00470
27	0.54454	11.538	0.01018	0.00226
28	0.56549	11.111	0.05878	0.00231
29	0.58643	10.714	0.02788	0.00221
30	0.60737	10.345	0.02007	0.00216
31	0.62832	10.000	0.02221	0.00165
32	0.64926	9.677	0.00654	0.00148
33	0.67021	9.375	0.02703	0.00163
34	0.69115	9.091	0.01731	0.00172
35	0.71209	8.824	0.02952	0.00177
36	0.73304	8.571	0.02795	0.00180
37	0.75398	8.333	0.00941	0.00171
38	0.77493	8.108	0.02875	0.00138
39	0.79587	7.895	0.01195	0.00106
40	0.81681	7.692	0.00841	0.00111
41	0.83776	7.500	0.00778	0.00086
42	0.85870	7.317	0.01295	0.00103
43	0.87965	7.143	0.01286	0.00094
44	0.90059	6.977	0.02255	0.00090
45	0.92153	6.818	0.00312	0.00077
46	0.94248	6.667	0.00508	0.00070
47	0.96342	6.522	0.00496	0.00051
48	0.98437	6.383	0.00857	0.00052
49	1.00531	6.250	0.01057	0.00066
50	1.02625	6.122	0.00379	0.00068
51	1.04720	6.000	0.01380	0.00068
52	1.06814	5.882	0.00595	0.00067
53	1.08909	5.769	0.00853	0.00063
54	1.11003	5.660	0.00984	0.00055
55	1.13097	5.556	0.00156	0.00053

## Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

10:59 Thursday, September 15, 1994

PER. 25

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.28267
2	0.02094	300.000	4.07615	0.28295
3	0.04189	150.000	1.71801	0.24265
4	0.06283	100.000	4.10744	0.20976
5	0.08378	75.000	1.84571	0.14721
6	0.10472	60.000	0.19690	0.08909
7	0.12566	50.000	0.78578	0.04359
8	0.14661	42.857	0.11471	0.02333
9	0.16755	37.500	0.10339	0.01892
10	0.18850	33.333	0.31905	0.01799
11	0.20944	30.000	0.17675	0.01889
12	0.23038	27.273	0.40254	0.01992
13	0.25133	25.000	0.05925	0.01476
14	0.27227	23.077	0.25384	0.01174
15	0.29322	21.429	0.00185	0.00640
16	0.31416	20.000	0.04189	0.00491
17	0.33510	18.750	0.06749	0.00400
18	0.35605	17.647	0.03763	0.00446
19	0.37699	16.667	0.08887	0.00468
20	0.39794	15.789	0.03736	0.00568
21	0.41888	15.000	0.04497	0.00670
22	0.43982	14.286	0.22536	0.00886
23	0.46077	13.636	0.00865	0.00797
24	0.48171	13.043	0.18117	0.00750
25	0.50265	12.500	0.01708	0.00432
26	0.52360	12.000	0.02828	0.00335
27	0.54454	11.538	0.01018	0.00221
28	0.56549	11.111	0.05878	0.00266
29	0.58643	10.714	0.02788	0.00242
30	0.60737	10.345	0.02007	0.00200
31	0.62832	10.000	0.02221	0.00155
32	0.64926	9.677	0.00654	0.00138
33	0.67021	9.375	0.02703	0.00160
34	0.69115	9.091	0.01731	0.00176
35	0.71209	8.824	0.02952	0.00191
36	0.73304	8.571	0.02795	0.00184
37	0.75398	8.333	0.00941	0.00162
38	0.77493	8.108	0.02875	0.00146
39	0.79587	7.895	0.01195	0.00113
40	0.81681	7.692	0.00841	0.00094
41	0.83776	7.500	0.00778	0.00080
42	0.85870	7.317	0.01295	0.00098
43	0.87965	7.143	0.01286	0.00107
44	0.90059	6.977	0.02255	0.00104
45	0.92153	6.818	0.00312	0.00073
46	0.94248	6.667	0.00508	0.00055
47	0.96342	6.522	0.00496	0.00049
48	0.98437	6.383	0.00857	0.00058
49	1.00531	6.250	0.01057	0.00066
50	1.02625	6.122	0.00379	0.00066
51	1.04720	6.000	0.01380	0.00071
52	1.06814	5.882	0.00595	0.00067
53	1.08909	5.769	0.00853	0.00064
54	1.11003	5.660	0.00984	0.00057
55	1.13097	5.556	0.00156	0.00048

## Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

9:27 Thursday, September 15, 1994

PER. 26

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.32437
2	0.02094	300.000	4.07615	0.26182
3	0.04189	150.000	1.71801	0.26265
4	0.06283	100.000	4.10744	0.20348
5	0.08378	75.000	1.84571	0.16313
6	0.10472	60.000	0.19690	0.07503
7	0.12566	50.000	0.78578	0.02911
8	0.14661	42.857	0.11471	0.02663
9	0.16755	37.500	0.10339	0.01425
10	0.18850	33.333	0.31905	0.01589
11	0.20944	30.000	0.17675	0.02383
12	0.23038	27.273	0.40254	0.01694
13	0.25133	25.000	0.05925	0.01898
14	0.27227	23.077	0.25384	0.00835
15	0.29322	21.429	0.00185	0.00789
16	0.31416	20.000	0.04189	0.00295
17	0.33510	18.750	0.06749	0.00390
18	0.35605	17.647	0.03763	0.00515
19	0.37699	16.667	0.08887	0.00435
20	0.39794	15.789	0.03736	0.00454
21	0.41888	15.000	0.04497	0.00816
22	0.43982	14.286	0.22536	0.00740
23	0.46077	13.636	0.00865	0.01101
24	0.48171	13.043	0.18117	0.00549
25	0.50265	12.500	0.01708	0.00601
26	0.52360	12.000	0.02828	0.00147
27	0.54454	11.538	0.01018	0.00258
28	0.56549	11.111	0.05878	0.00257
29	0.58643	10.714	0.02788	0.00283
30	0.60737	10.345	0.02007	0.00186
31	0.62832	10.000	0.02221	0.00130
32	0.64926	9.677	0.00654	0.00148
33	0.67021	9.375	0.02703	0.00135
34	0.69115	9.091	0.01731	0.00196
35	0.71209	8.824	0.02952	0.00198
36	0.73304	8.571	0.02795	0.00177
37	0.75398	8.333	0.00941	0.00175
38	0.77493	8.108	0.02875	0.00133
39	0.79587	7.895	0.01195	0.00130
40	0.81681	7.692	0.00841	0.00075
41	0.83776	7.500	0.00778	0.00077
42	0.85870	7.317	0.01295	0.00089
43	0.87965	7.143	0.01286	0.00128
44	0.90059	6.977	0.02255	0.00102
45	0.92153	6.818	0.00312	0.00082
46	0.94248	6.667	0.00508	0.00035
47	0.96342	6.522	0.00496	0.00049
48	0.98437	6.383	0.00857	0.00064
49	1.00531	6.250	0.01057	0.00061
50	1.02625	6.122	0.00379	0.00075
51	1.04720	6.000	0.01380	0.00062
52	1.06814	5.882	0.00595	0.00075
53	1.08909	5.769	0.00853	0.00065
54	1.11003	5.660	0.00984	0.00053
55	1.13097	5.556	0.00156	0.00053

## Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

9:27 Thursday, September 15, 1994

PER. 27

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	7.18102	0.32437
2	0.02094	300.000	4.07615	0.27746
3	0.04189	150.000	1.71801	0.23116
4	0.06283	100.000	4.10744	0.23433
5	0.08378	75.000	1.84571	0.15907
6	0.10472	60.000	0.19690	0.06019
7	0.12566	50.000	0.78578	0.03746
8	0.14661	42.857	0.11471	0.02225
9	0.16755	37.500	0.10339	0.01274
10	0.18850	33.333	0.31905	0.01827
11	0.20944	30.000	0.17675	0.02139
12	0.23038	27.273	0.40254	0.02071
13	0.25133	25.000	0.05925	0.01542
14	0.27227	23.077	0.25384	0.01132
15	0.29322	21.429	0.00185	0.00596
16	0.31416	20.000	0.04189	0.00305
17	0.33510	18.750	0.06749	0.00427
18	0.35605	17.647	0.03763	0.00461
19	0.37699	16.667	0.08887	0.00503
20	0.39794	15.789	0.03736	0.00415
21	0.41888	15.000	0.04497	0.00702
22	0.43982	14.286	0.22536	0.01003
23	0.46077	13.636	0.00865	0.00843
24	0.48171	13.043	0.18117	0.00772
25	0.50265	12.500	0.01708	0.00485
26	0.52360	12.000	0.02828	0.00167
27	0.54454	11.538	0.01018	0.00214
28	0.56549	11.111	0.05878	0.00310
29	0.58643	10.714	0.02788	0.00268
30	0.60737	10.345	0.02007	0.00180
31	0.62832	10.000	0.02221	0.00141
32	0.64926	9.677	0.00654	0.00124
33	0.67021	9.375	0.02703	0.00155
34	0.69115	9.091	0.01731	0.00181
35	0.71209	8.824	0.02952	0.00207
36	0.73304	8.571	0.02795	0.00189
37	0.75398	8.333	0.00941	0.00150
38	0.77493	8.108	0.02875	0.00157
39	0.79587	7.895	0.01195	0.00121
40	0.81681	7.692	0.00841	0.00073
41	0.83776	7.500	0.00778	0.00073
42	0.85870	7.317	0.01295	0.00093
43	0.87965	7.143	0.01286	0.00122
44	0.90059	6.977	0.02255	0.00122
45	0.92153	6.818	0.00312	0.00067
46	0.94248	6.667	0.00508	0.00036
47	0.96342	6.522	0.00496	0.00047
48	0.98437	6.383	0.00857	0.00065
49	1.00531	6.250	0.01057	0.00067
50	1.02625	6.122	0.00379	0.00064
51	1.04720	6.000	0.01380	0.00074
52	1.06814	5.882	0.00595	0.00068
53	1.08909	5.769	0.00853	0.00065
54	1.11003	5.660	0.00984	0.00059
55	1.13097	5.556	0.00156	0.00043



## Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 9 (Rec)

PER. 28

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.36700
2	0.02094	300.000	11.125	0.35581
3	0.04189	150.000	0.724	0.35132
4	0.06283	100.000	1.485	0.35079
5	0.08378	75.000	1.858	0.25864
6	0.10472	60.000	0.592	0.16463
7	0.12566	50.000	0.978	0.06889
8	0.14661	42.857	0.663	0.06645
9	0.16755	37.500	0.702	0.05765
10	0.18850	33.333	0.492	0.04627
11	0.20944	30.000	0.297	0.04514
12	0.23038	27.273	0.448	0.03967
13	0.25133	25.000	0.491	0.03807
14	0.27227	23.077	0.570	0.03523
15	0.29322	21.429	0.464	0.03433
16	0.31416	20.000	0.359	0.03560
17	0.33510	18.750	0.482	0.03399
18	0.35605	17.647	0.381	0.03260
19	0.37699	16.667	0.390	0.02902
20	0.39794	15.789	0.441	0.02705
21	0.41888	15.000	0.265	0.02669
22	0.43982	14.286	0.334	0.02340
23	0.46077	13.636	0.165	0.02130
24	0.48171	13.043	0.241	0.01986
25	0.50265	12.500	0.319	0.01742
26	0.52360	12.000	0.110	0.01626
27	0.54454	11.538	0.144	0.01447
28	0.56549	11.111	0.227	0.01377
29	0.58643	10.714	0.165	0.01249
30	0.60737	10.345	0.134	0.01033
31	0.62832	10.000	0.131	0.01024
32	0.64926	9.677	0.086	0.00969
33	0.67021	9.375	0.097	0.00892
34	0.69115	9.091	0.075	0.00841
35	0.71209	8.824	0.099	0.00806
36	0.73304	8.571	0.081	0.00734
37	0.75398	8.333	0.141	0.00706
38	0.77493	8.108	0.107	0.00677
39	0.79587	7.895	0.094	0.00699
40	0.81681	7.692	0.050	0.00641
41	0.83776	7.500	0.055	0.00576
42	0.85870	7.317	0.064	0.00528
43	0.87965	7.143	0.099	0.00506
44	0.90059	6.977	0.033	0.00484
45	0.92153	6.818	0.008	0.00501
46	0.94248	6.667	0.087	0.00513
47	0.96342	6.522	0.082	0.00511
48	0.98437	6.383	0.069	0.00508
49	1.00531	6.250	0.069	0.00515
50	1.02625	6.122	0.069	0.00534
51	1.04720	6.000	0.062	0.00502
52	1.06814	5.882	0.095	0.00474
53	1.08909	5.769	0.042	0.00441
54	1.11003	5.660	0.029	0.00446
55	1.13097	5.556	0.051	0.00439

Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 29

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.50490
2	0.02094	300.000	11.125	0.47137
3	0.04189	150.000	0.724	0.37605
4	0.06283	100.000	1.485	0.28296
5	0.08378	75.000	1.858	0.18495
6	0.10472	60.000	0.592	0.11210
7	0.12566	50.000	0.978	0.07183
8	0.14661	42.857	0.663	0.06217
9	0.16755	37.500	0.702	0.05216
10	0.18850	33.333	0.492	0.04421
11	0.20944	30.000	0.297	0.04053
12	0.23038	27.273	0.448	0.03798
13	0.25133	25.000	0.491	0.03723
14	0.27227	23.077	0.570	0.03668
15	0.29322	21.429	0.464	0.03597
16	0.31416	20.000	0.359	0.03529
17	0.33510	18.750	0.482	0.03410
18	0.35605	17.647	0.381	0.03233
19	0.37699	16.667	0.390	0.03023
20	0.39794	15.789	0.441	0.02822
21	0.41888	15.000	0.265	0.02590
22	0.43982	14.286	0.334	0.02339
23	0.46077	13.636	0.165	0.02074
24	0.48171	13.043	0.241	0.01897
25	0.50265	12.500	0.319	0.01744
26	0.52360	12.000	0.110	0.01571
27	0.54454	11.538	0.144	0.01453
28	0.56549	11.111	0.227	0.01378
29	0.58643	10.714	0.165	0.01242
30	0.60737	10.345	0.134	0.01101
31	0.62832	10.000	0.131	0.01008
32	0.64926	9.677	0.086	0.00893
33	0.67021	9.375	0.097	0.00813
34	0.69115	9.091	0.075	0.00779
35	0.71209	8.824	0.099	0.00779
36	0.73304	8.571	0.081	0.00774
37	0.75398	8.333	0.141	0.00776
38	0.77493	8.108	0.107	0.00737
39	0.79587	7.895	0.094	0.00692
40	0.81681	7.692	0.050	0.00622
41	0.83776	7.500	0.055	0.00554
42	0.85870	7.317	0.064	0.00504
43	0.87965	7.143	0.099	0.00485
44	0.90059	6.977	0.033	0.00459
45	0.92153	6.818	0.008	0.00463
46	0.94248	6.667	0.087	0.00500
47	0.96342	6.522	0.082	0.00519
48	0.98437	6.383	0.069	0.00536
49	1.00531	6.250	0.069	0.00555
50	1.02625	6.122	0.069	0.00549
51	1.04720	6.000	0.062	0.00518
52	1.06814	5.882	0.095	0.00492
53	1.08909	5.769	0.042	0.00441
54	1.11003	5.660	0.029	0.00408
55	1.13097	5.556	0.051	0.00399

## Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 30

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.55419
2	0.02094	300.000	11.125	0.56632
3	0.04189	150.000	0.724	0.41883
4	0.06283	100.000	1.485	0.25119
5	0.08378	75.000	1.858	0.08970
6	0.10472	60.000	0.592	0.08875
7	0.12566	50.000	0.978	0.07628
8	0.14661	42.857	0.663	0.05455
9	0.16755	37.500	0.702	0.04986
10	0.18850	33.333	0.492	0.04142
11	0.20944	30.000	0.297	0.03867
12	0.23038	27.273	0.448	0.03657
13	0.25133	25.000	0.491	0.03613
14	0.27227	23.077	0.570	0.03712
15	0.29322	21.429	0.464	0.03766
16	0.31416	20.000	0.359	0.03592
17	0.33510	18.750	0.482	0.03305
18	0.35605	17.647	0.381	0.03268
19	0.37699	16.667	0.390	0.03119
20	0.39794	15.789	0.441	0.02883
21	0.41888	15.000	0.265	0.02539
22	0.43982	14.286	0.334	0.02302
23	0.46077	13.636	0.165	0.02108
24	0.48171	13.043	0.241	0.01861
25	0.50265	12.500	0.319	0.01558
26	0.52360	12.000	0.110	0.01657
27	0.54454	11.538	0.144	0.01536
28	0.56549	11.111	0.227	0.01241
29	0.58643	10.714	0.165	0.01274
30	0.60737	10.345	0.134	0.01183
31	0.62832	10.000	0.131	0.00975
32	0.64926	9.677	0.086	0.00831
33	0.67021	9.375	0.097	0.00777
34	0.69115	9.091	0.075	0.00699
35	0.71209	8.824	0.099	0.00785
36	0.73304	8.571	0.081	0.00802
37	0.75398	8.333	0.141	0.00831
38	0.77493	8.108	0.107	0.00753
39	0.79587	7.895	0.094	0.00711
40	0.81681	7.692	0.050	0.00588
41	0.83776	7.500	0.055	0.00576
42	0.85870	7.317	0.064	0.00480
43	0.87965	7.143	0.099	0.00413
44	0.90059	6.977	0.033	0.00464
45	0.92153	6.818	0.008	0.00493
46	0.94248	6.667	0.087	0.00444
47	0.96342	6.522	0.082	0.00501
48	0.98437	6.383	0.069	0.00598
49	1.00531	6.250	0.069	0.00558
50	1.02625	6.122	0.069	0.00580
51	1.04720	6.000	0.062	0.00537
52	1.06814	5.882	0.095	0.00473
53	1.08909	5.769	0.042	0.00444
54	1.11003	5.660	0.029	0.00426
55	1.13097	5.556	0.051	0.00324

## Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 31

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.70134
2	0.02094	300.000	11.125	0.61611
3	0.04189	150.000	0.724	0.35697
4	0.06283	100.000	1.485	0.18864
5	0.08378	75.000	1.858	0.10105
6	0.10472	60.000	0.592	0.08484
7	0.12566	50.000	0.978	0.07077
8	0.14661	42.857	0.663	0.05689
9	0.16755	37.500	0.702	0.05033
10	0.18850	33.333	0.492	0.04055
11	0.20944	30.000	0.297	0.03504
12	0.23038	27.273	0.448	0.03520
13	0.25133	25.000	0.491	0.03775
14	0.27227	23.077	0.570	0.03915
15	0.29322	21.429	0.464	0.03735
16	0.31416	20.000	0.359	0.03467
17	0.33510	18.750	0.482	0.03343
18	0.35605	17.647	0.381	0.03261
19	0.37699	16.667	0.390	0.03150
20	0.39794	15.789	0.441	0.02961
21	0.41888	15.000	0.265	0.02564
22	0.43982	14.286	0.334	0.02250
23	0.46077	13.636	0.165	0.01972
24	0.48171	13.043	0.241	0.01889
25	0.50265	12.500	0.319	0.01740
26	0.52360	12.000	0.110	0.01524
27	0.54454	11.538	0.144	0.01406
28	0.56549	11.111	0.227	0.01364
29	0.58643	10.714	0.165	0.01319
30	0.60737	10.345	0.134	0.01155
31	0.62832	10.000	0.131	0.00967
32	0.64926	9.677	0.086	0.00816
33	0.67021	9.375	0.097	0.00745
34	0.69115	9.091	0.075	0.00694
35	0.71209	8.824	0.099	0.00750
36	0.73304	8.571	0.081	0.00802
37	0.75398	8.333	0.141	0.00877
38	0.77493	8.108	0.107	0.00815
39	0.79587	7.895	0.094	0.00700
40	0.81681	7.692	0.050	0.00547
41	0.83776	7.500	0.055	0.00518
42	0.85870	7.317	0.064	0.00516
43	0.87965	7.143	0.099	0.00491
44	0.90059	6.977	0.033	0.00412
45	0.92153	6.818	0.008	0.00394
46	0.94248	6.667	0.087	0.00480
47	0.96342	6.522	0.082	0.00560
48	0.98437	6.383	0.069	0.00587
49	1.00531	6.250	0.069	0.00554
50	1.02625	6.122	0.069	0.00560
51	1.04720	6.000	0.062	0.00553
52	1.06814	5.882	0.095	0.00523
53	1.08909	5.769	0.042	0.00431
54	1.11003	5.660	0.029	0.00370
55	1.13097	5.556	0.051	0.00340

## Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 3 (Rec)

PER. 32

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.88527
2	0.02094	300.000	11.125	0.60937
3	0.04189	150.000	0.724	0.35368
4	0.06283	100.000	1.485	0.10787
5	0.08378	75.000	1.858	0.10437
6	0.10472	60.000	0.592	0.09091
7	0.12566	50.000	0.978	0.05924
8	0.14661	42.857	0.663	0.06216
9	0.16755	37.500	0.702	0.04928
10	0.18850	33.333	0.492	0.03956
11	0.20944	30.000	0.297	0.03281
12	0.23038	27.273	0.448	0.03276
13	0.25133	25.000	0.491	0.04002
14	0.27227	23.077	0.570	0.04046
15	0.29322	21.429	0.464	0.03697
16	0.31416	20.000	0.359	0.03462
17	0.33510	18.750	0.482	0.03242
18	0.35605	17.647	0.381	0.03325
19	0.37699	16.667	0.390	0.03217
20	0.39794	15.789	0.441	0.02908
21	0.41888	15.000	0.265	0.02758
22	0.43982	14.286	0.334	0.02027
23	0.46077	13.636	0.165	0.01964
24	0.48171	13.043	0.241	0.01925
25	0.50265	12.500	0.319	0.01778
26	0.52360	12.000	0.110	0.01519
27	0.54454	11.538	0.144	0.01275
28	0.56549	11.111	0.227	0.01423
29	0.58643	10.714	0.165	0.01395
30	0.60737	10.345	0.134	0.01140
31	0.62832	10.000	0.131	0.00930
32	0.64926	9.677	0.086	0.00832
33	0.67021	9.375	0.097	0.00685
34	0.69115	9.091	0.075	0.00719
35	0.71209	8.824	0.099	0.00679
36	0.73304	8.571	0.081	0.00853
37	0.75398	8.333	0.141	0.00873
38	0.77493	8.108	0.107	0.00906
39	0.79587	7.895	0.094	0.00666
40	0.81681	7.692	0.050	0.00527
41	0.83776	7.500	0.055	0.00448
42	0.85870	7.317	0.064	0.00578
43	0.87965	7.143	0.099	0.00522
44	0.90059	6.977	0.033	0.00374
45	0.92153	6.818	0.008	0.00341
46	0.94248	6.667	0.087	0.00469
47	0.96342	6.522	0.082	0.00630
48	0.98437	6.383	0.069	0.00583
49	1.00531	6.250	0.069	0.00549
50	1.02625	6.122	0.069	0.00530
51	1.04720	6.000	0.062	0.00600
52	1.06814	5.882	0.095	0.00528
53	1.08909	5.769	0.042	0.00441
54	1.11003	5.660	0.029	0.00324
55	1.13097	5.556	0.051	0.00345

## Spectral Density Estimates (SUBSET2: Tin 1456-1755)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 33

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	128.103	0.88527
2	0.02094	300.000	11.125	0.67835
3	0.04189	150.000	0.724	0.27966
4	0.06283	100.000	1.485	0.11045
5	0.08378	75.000	1.858	0.11524
6	0.10472	60.000	0.592	0.07996
7	0.12566	50.000	0.978	0.06388
8	0.14661	42.857	0.663	0.05982
9	0.16755	37.500	0.702	0.05093
10	0.18850	33.333	0.492	0.03946
11	0.20944	30.000	0.297	0.03051
12	0.23038	27.273	0.448	0.03348
13	0.25133	25.000	0.491	0.03978
14	0.27227	23.077	0.570	0.04169
15	0.29322	21.429	0.464	0.03696
16	0.31416	20.000	0.359	0.03311
17	0.33510	18.750	0.482	0.03390
18	0.35605	17.647	0.381	0.03252
19	0.37699	16.667	0.390	0.03189
20	0.39794	15.789	0.441	0.03058
21	0.41888	15.000	0.265	0.02596
22	0.43982	14.286	0.334	0.02184
23	0.46077	13.636	0.165	0.01802
24	0.48171	13.043	0.241	0.01924
25	0.50265	12.500	0.319	0.01968
26	0.52360	12.000	0.110	0.01357
27	0.54454	11.538	0.144	0.01243
28	0.56549	11.111	0.227	0.01519
29	0.58643	10.714	0.165	0.01376
30	0.60737	10.345	0.134	0.01121
31	0.62832	10.000	0.131	0.00958
32	0.64926	9.677	0.086	0.00796
33	0.67021	9.375	0.097	0.00706
34	0.69115	9.091	0.075	0.00689
35	0.71209	8.824	0.099	0.00707
36	0.73304	8.571	0.081	0.00801
37	0.75398	8.333	0.141	0.00935
38	0.77493	8.108	0.107	0.00893
39	0.79587	7.895	0.094	0.00686
40	0.81681	7.692	0.050	0.00495
41	0.83776	7.500	0.055	0.00445
42	0.85870	7.317	0.064	0.00561
43	0.87965	7.143	0.099	0.00589
44	0.90059	6.977	0.033	0.00347
45	0.92153	6.818	0.008	0.00271
46	0.94248	6.667	0.087	0.00525
47	0.96342	6.522	0.082	0.00635
48	0.98437	6.383	0.069	0.00574
49	1.00531	6.250	0.069	0.00549
50	1.02625	6.122	0.069	0.00535
51	1.04720	6.000	0.062	0.00573
52	1.06814	5.882	0.095	0.00586
53	1.08909	5.769	0.042	0.00414
54	1.11003	5.660	0.029	0.00301
55	1.13097	5.556	0.051	0.00361

## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 34

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	0.78752
2	0.02651	237.000	23.467	0.78698
3	0.05302	118.500	8.878	0.78461
4	0.07953	79.000	0.287	0.70785
5	0.10605	59.250	0.167	0.50434
6	0.13256	47.400	0.106	0.29721
7	0.15907	39.500	0.019	0.09174
8	0.18558	33.857	0.197	0.01609
9	0.21209	29.625	0.450	0.01377
10	0.23860	26.333	0.042	0.01240
11	0.26511	23.700	0.229	0.01213
12	0.29162	21.545	0.322	0.01201
13	0.31814	19.750	0.025	0.01051
14	0.34465	18.231	0.012	0.00780
15	0.37116	16.929	0.076	0.00804
16	0.39767	15.800	0.005	0.00624
17	0.42418	14.813	0.028	0.00477
18	0.45069	13.941	0.144	0.00713
19	0.47720	13.167	0.070	0.00724
20	0.50372	12.474	0.025	0.00666
21	0.53023	11.850	0.156	0.00800
22	0.55674	11.286	0.292	0.00872
23	0.58325	10.773	0.025	0.00775
24	0.60976	10.304	0.010	0.00757
25	0.63627	9.875	0.157	0.00818
26	0.66278	9.480	0.109	0.00726
27	0.68929	9.115	0.035	0.00495
28	0.71581	8.778	0.049	0.00509
29	0.74232	8.464	0.093	0.00523
30	0.76883	8.172	0.052	0.00385
31	0.79534	7.900	0.030	0.00303
32	0.82185	7.645	0.041	0.00311
33	0.84836	7.406	0.026	0.00276
34	0.87487	7.182	0.001	0.00201
35	0.90139	6.971	0.015	0.00161
36	0.92790	6.771	0.044	0.00136
37	0.95441	6.583	0.010	0.00134
38	0.98092	6.405	0.009	0.00135
39	1.00743	6.237	0.008	0.00136
40	1.03394	6.077	0.001	0.00135
41	1.06045	5.925	0.038	0.00136
42	1.08696	5.780	0.027	0.00144
43	1.11348	5.643	0.002	0.00140
44	1.13999	5.512	0.015	0.00197
45	1.16650	5.386	0.045	0.00238
46	1.19301	5.267	0.019	0.00223
47	1.21952	5.152	0.004	0.00216
48	1.24603	5.043	0.072	0.00266
49	1.27254	4.937	0.048	0.00261
50	1.29906	4.837	0.020	0.00227
51	1.32557	4.740	0.019	0.00254
52	1.35208	4.647	0.060	0.00287
53	1.37859	4.558	0.008	0.00232
54	1.40510	4.472	0.007	0.00200
55	1.43161	4.389	0.050	0.00213

## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 35

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	1.14536
2	0.02651	237.000	23.467	1.07100
3	0.05302	118.500	8.878	0.84783
4	0.07953	79.000	0.287	0.56969
5	0.10605	59.250	0.167	0.31941
6	0.13256	47.400	0.106	0.14290
7	0.15907	39.500	0.019	0.04114
8	0.18558	33.857	0.197	0.01499
9	0.21209	29.625	0.450	0.01592
10	0.23860	26.333	0.042	0.01493
11	0.26511	23.700	0.229	0.01445
12	0.29162	21.545	0.322	0.01287
13	0.31814	19.750	0.025	0.00938
14	0.34465	18.231	0.012	0.00682
15	0.37116	16.929	0.076	0.00584
16	0.39767	15.800	0.005	0.00459
17	0.42418	14.813	0.028	0.00453
18	0.45069	13.941	0.144	0.00625
19	0.47720	13.167	0.070	0.00721
20	0.50372	12.474	0.025	0.00780
21	0.53023	11.850	0.156	0.00897
22	0.55674	11.286	0.292	0.00952
23	0.58325	10.773	0.025	0.00840
24	0.60976	10.304	0.010	0.00774
25	0.63627	9.875	0.157	0.00754
26	0.66278	9.480	0.109	0.00658
27	0.68929	9.115	0.035	0.00553
28	0.71581	8.778	0.049	0.00530
29	0.74232	8.464	0.093	0.00493
30	0.76883	8.172	0.052	0.00399
31	0.79534	7.900	0.030	0.00327
32	0.82185	7.645	0.041	0.00285
33	0.84836	7.406	0.026	0.00231
34	0.87487	7.182	0.001	0.00180
35	0.90139	6.971	0.015	0.00159
36	0.92790	6.771	0.044	0.00146
37	0.95441	6.583	0.010	0.00126
38	0.98092	6.405	0.009	0.00122
39	1.00743	6.237	0.008	0.00121
40	1.03394	6.077	0.001	0.00120
41	1.06045	5.925	0.038	0.00138
42	1.08696	5.780	0.027	0.00152
43	1.11348	5.643	0.002	0.00152
44	1.13999	5.512	0.015	0.00177
45	1.16650	5.386	0.045	0.00210
46	1.19301	5.267	0.019	0.00222
47	1.21952	5.152	0.004	0.00239
48	1.24603	5.043	0.072	0.00282
49	1.27254	4.937	0.048	0.00283
50	1.29906	4.837	0.020	0.00259
51	1.32557	4.740	0.019	0.00253
52	1.35208	4.647	0.060	0.00254
53	1.37859	4.558	0.008	0.00221
54	1.40510	4.472	0.007	0.00209
55	1.43161	4.389	0.050	0.00220



## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 36

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	1.40308
2	0.02651	237.000	23.467	1.26635
3	0.05302	118.500	8.878	0.89551
4	0.07953	79.000	0.287	0.52371
5	0.10605	59.250	0.167	0.15051
6	0.13256	47.400	0.106	0.01235
7	0.15907	39.500	0.019	0.01495
8	0.18558	33.857	0.197	0.01297
9	0.21209	29.625	0.450	0.01492
10	0.23860	26.333	0.042	0.01974
11	0.26511	23.700	0.229	0.01700
12	0.29162	21.545	0.322	0.01002
13	0.31814	19.750	0.025	0.01056
14	0.34465	18.231	0.012	0.00700
15	0.37116	16.929	0.076	0.00232
16	0.39767	15.800	0.005	0.00421
17	0.42418	14.813	0.028	0.00512
18	0.45069	13.941	0.144	0.00431
19	0.47720	13.167	0.070	0.00671
20	0.50372	12.474	0.025	0.01091
21	0.53023	11.850	0.156	0.00902
22	0.55674	11.286	0.292	0.00807
23	0.58325	10.773	0.025	0.01017
24	0.60976	10.304	0.010	0.00942
25	0.63627	9.875	0.157	0.00534
26	0.66278	9.480	0.109	0.00573
27	0.68929	9.115	0.035	0.00705
28	0.71581	8.778	0.049	0.00539
29	0.74232	8.464	0.093	0.00413
30	0.76883	8.172	0.052	0.00422
31	0.79534	7.900	0.030	0.00384
32	0.82185	7.645	0.041	0.00238
33	0.84836	7.406	0.026	0.00179
34	0.87487	7.182	0.001	0.00202
35	0.90139	6.971	0.015	0.00153
36	0.92790	6.771	0.044	0.00126
37	0.95441	6.583	0.010	0.00136
38	0.98092	6.405	0.009	0.00114
39	1.00743	6.237	0.008	0.00103
40	1.03394	6.077	0.001	0.00131
41	1.06045	5.925	0.038	0.00121
42	1.08696	5.780	0.027	0.00132
43	1.11348	5.643	0.002	0.00201
44	1.13999	5.512	0.015	0.00172
45	1.16650	5.386	0.045	0.00134
46	1.19301	5.267	0.019	0.00245
47	1.21952	5.152	0.004	0.00299
48	1.24603	5.043	0.072	0.00259
49	1.27254	4.937	0.048	0.00259
50	1.29906	4.837	0.020	0.00349
51	1.32557	4.740	0.019	0.00247
52	1.35208	4.647	0.060	0.00182
53	1.37859	4.558	0.008	0.00229
54	1.40510	4.472	0.007	0.00262
55	1.43161	4.389	0.050	0.00184

## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 37

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	1.60948
2	0.02651	237.000	23.467	1.40452
3	0.05302	118.500	8.878	0.86454
4	0.07953	79.000	0.287	0.37600
5	0.10605	59.250	0.167	0.09004
6	0.13256	47.400	0.106	0.01038
7	0.15907	39.500	0.019	0.01132
8	0.18558	33.857	0.197	0.01484
9	0.21209	29.625	0.450	0.01837
10	0.23860	26.333	0.042	0.01772
11	0.26511	23.700	0.229	0.01671
12	0.29162	21.545	0.322	0.01351
13	0.31814	19.750	0.025	0.00926
14	0.34465	18.231	0.012	0.00500
15	0.37116	16.929	0.076	0.00278
16	0.39767	15.800	0.005	0.00335
17	0.42418	14.813	0.028	0.00465
18	0.45069	13.941	0.144	0.00580
19	0.47720	13.167	0.070	0.00644
20	0.50372	12.474	0.025	0.00849
21	0.53023	11.850	0.156	0.01056
22	0.55674	11.286	0.292	0.01124
23	0.58325	10.773	0.025	0.00875
24	0.60976	10.304	0.010	0.00702
25	0.63627	9.875	0.157	0.00679
26	0.66278	9.480	0.109	0.00680
27	0.68929	9.115	0.035	0.00593
28	0.71581	8.778	0.049	0.00500
29	0.74232	8.464	0.093	0.00484
30	0.76883	8.172	0.052	0.00436
31	0.79534	7.900	0.030	0.00348
32	0.82185	7.645	0.041	0.00253
33	0.84836	7.406	0.026	0.00182
34	0.87487	7.182	0.001	0.00151
35	0.90139	6.971	0.015	0.00152
36	0.92790	6.771	0.044	0.00170
37	0.95441	6.583	0.010	0.00139
38	0.98092	6.405	0.009	0.00094
39	1.00743	6.237	0.008	0.00080
40	1.03394	6.077	0.001	0.00115
41	1.06045	5.925	0.038	0.00159
42	1.08696	5.780	0.027	0.00157
43	1.11348	5.643	0.002	0.00153
44	1.13999	5.512	0.015	0.00163
45	1.16650	5.386	0.045	0.00184
46	1.19301	5.267	0.019	0.00213
47	1.21952	5.152	0.004	0.00253
48	1.24603	5.043	0.072	0.00317
49	1.27254	4.937	0.048	0.00311
50	1.29906	4.837	0.020	0.00289
51	1.32557	4.740	0.019	0.00242
52	1.35208	4.647	0.060	0.00230
53	1.37859	4.558	0.008	0.00201
54	1.40510	4.472	0.007	0.00210
55	1.43161	4.389	0.050	0.00232

## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 38

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	1.86747
2	0.02651	237.000	23.467	1.48048
3	0.05302	118.500	8.878	0.86561
4	0.07953	79.000	0.287	0.24754
5	0.10605	59.250	0.167	0.01486
6	0.13256	47.400	0.106	0.00774
7	0.15907	39.500	0.019	0.00855
8	0.18558	33.857	0.197	0.01768
9	0.21209	29.625	0.450	0.01830
10	0.23860	26.333	0.042	0.01913
11	0.26511	23.700	0.229	0.01572
12	0.29162	21.545	0.322	0.01528
13	0.31814	19.750	0.025	0.00952
14	0.34465	18.231	0.012	0.00299
15	0.37116	16.929	0.076	0.00247
16	0.39767	15.800	0.005	0.00288
17	0.42418	14.813	0.028	0.00469
18	0.45069	13.941	0.144	0.00639
19	0.47720	13.167	0.070	0.00631
20	0.50372	12.474	0.025	0.00664
21	0.53023	11.850	0.156	0.01252
22	0.55674	11.286	0.292	0.01253
23	0.58325	10.773	0.025	0.00866
24	0.60976	10.304	0.010	0.00508
25	0.63627	9.875	0.157	0.00731
26	0.66278	9.480	0.109	0.00797
27	0.68929	9.115	0.035	0.00512
28	0.71581	8.778	0.049	0.00470
29	0.74232	8.464	0.093	0.00517
30	0.76883	8.172	0.052	0.00464
31	0.79534	7.900	0.030	0.00325
32	0.82185	7.645	0.041	0.00254
33	0.84836	7.406	0.026	0.00179
34	0.87487	7.182	0.001	0.00112
35	0.90139	6.971	0.015	0.00161
36	0.92790	6.771	0.044	0.00183
37	0.95441	6.583	0.010	0.00165
38	0.98092	6.405	0.009	0.00068
39	1.00743	6.237	0.008	0.00047
40	1.03394	6.077	0.001	0.00124
41	1.06045	5.925	0.038	0.00176
42	1.08696	5.780	0.027	0.00178
43	1.11348	5.643	0.002	0.00117
44	1.13999	5.512	0.015	0.00164
45	1.16650	5.386	0.045	0.00209
46	1.19301	5.267	0.019	0.00179
47	1.21952	5.152	0.004	0.00251
48	1.24603	5.043	0.072	0.00328
49	1.27254	4.937	0.048	0.00372
50	1.29906	4.837	0.020	0.00232
51	1.32557	4.740	0.019	0.00262
52	1.35208	4.647	0.060	0.00230
53	1.37859	4.558	0.008	0.00199
54	1.40510	4.472	0.007	0.00173
55	1.43161	4.389	0.050	0.00257

## Spectral Density Estimates (SUBSET3: Tin 1756-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:45 Thursday, September 15, 1994

PER. 39

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	190.025	1.86747
2	0.02651	237.000	23.467	1.57723
3	0.05302	118.500	8.878	0.82583
4	0.07953	79.000	0.287	0.19137
5	0.10605	59.250	0.167	0.01446
6	0.13256	47.400	0.106	0.00792
7	0.15907	39.500	0.019	0.00679
8	0.18558	33.857	0.197	0.01719
9	0.21209	29.625	0.450	0.02268
10	0.23860	26.333	0.042	0.01518
11	0.26511	23.700	0.229	0.01634
12	0.29162	21.545	0.322	0.01786
13	0.31814	19.750	0.025	0.00765
14	0.34465	18.231	0.012	0.00248
15	0.37116	16.929	0.076	0.00336
16	0.39767	15.800	0.005	0.00227
17	0.42418	14.813	0.028	0.00407
18	0.45069	13.941	0.144	0.00765
19	0.47720	13.167	0.070	0.00612
20	0.50372	12.474	0.025	0.00547
21	0.53023	11.850	0.156	0.01249
22	0.55674	11.286	0.292	0.01519
23	0.58325	10.773	0.025	0.00699
24	0.60976	10.304	0.010	0.00401
25	0.63627	9.875	0.157	0.00860
26	0.66278	9.480	0.109	0.00814
27	0.68929	9.115	0.035	0.00454
28	0.71581	8.778	0.049	0.00451
29	0.74232	8.464	0.093	0.00573
30	0.76883	8.172	0.052	0.00453
31	0.79534	7.900	0.030	0.00303
32	0.82185	7.645	0.041	0.00272
33	0.84836	7.406	0.026	0.00186
34	0.87487	7.182	0.001	0.00087
35	0.90139	6.971	0.015	0.00151
36	0.92790	6.771	0.044	0.00225
37	0.95441	6.583	0.010	0.00143
38	0.98092	6.405	0.009	0.00068
39	1.00743	6.237	0.008	0.00050
40	1.03394	6.077	0.001	0.00096
41	1.06045	5.925	0.038	0.00207
42	1.08696	5.780	0.027	0.00188
43	1.11348	5.643	0.002	0.00092
44	1.13999	5.512	0.015	0.00152
45	1.16650	5.386	0.045	0.00246
46	1.19301	5.267	0.019	0.00173
47	1.21952	5.152	0.004	0.00195
48	1.24603	5.043	0.072	0.00389
49	1.27254	4.937	0.048	0.00375
50	1.29906	4.837	0.020	0.00214
51	1.32557	4.740	0.019	0.00235
52	1.35208	4.647	0.060	0.00291
53	1.37859	4.558	0.008	0.00165
54	1.40510	4.472	0.007	0.00144
55	1.43161	4.389	0.050	0.00292

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 40

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	0.90612
2	0.00751	837.000	15.3242	0.84442
3	0.01501	418.500	7.6588	0.83012
4	0.02252	279.000	14.1477	0.74618
5	0.03003	209.250	2.2374	0.69761
6	0.03753	167.400	15.5963	0.58888
7	0.04504	139.500	7.0679	0.48310
8	0.05255	119.571	0.2613	0.39394
9	0.06005	104.625	2.5445	0.34458
10	0.06756	93.000	0.9446	0.24789
11	0.07507	83.700	0.2946	0.23640
12	0.08257	76.091	0.7026	0.12729
13	0.09008	69.750	2.9995	0.08469
14	0.09759	64.385	0.8352	0.08464
15	0.10510	59.786	0.7822	0.06758
16	0.11260	55.800	0.6496	0.06522
17	0.12011	52.313	0.5128	0.07072
18	0.12762	49.235	1.1798	0.06921
19	0.13512	46.500	0.2546	0.04795
20	0.14263	44.053	0.1859	0.04601
21	0.15014	41.850	0.6191	0.04210
22	0.15764	39.857	1.0551	0.04112
23	0.16515	38.045	0.4938	0.03907
24	0.17266	36.391	0.0608	0.03247
25	0.18016	34.875	0.5658	0.03363
26	0.18767	33.480	0.2425	0.03313
27	0.19518	32.192	0.5142	0.03245
28	0.20268	31.000	0.2288	0.02516
29	0.21019	29.893	0.2674	0.02692
30	0.21770	28.862	0.4156	0.02771
31	0.22520	27.900	0.1160	0.02436
32	0.23271	27.000	0.5252	0.02891
33	0.24022	26.156	0.0475	0.02698
34	0.24772	25.364	0.7370	0.02595
35	0.25523	24.618	0.1700	0.02510
36	0.26274	23.914	0.1033	0.02497
37	0.27024	23.250	0.8717	0.02659
38	0.27775	22.622	0.2473	0.02335
39	0.28526	22.026	0.0866	0.02390
40	0.29276	21.462	0.1497	0.01891
41	0.30027	20.925	0.3970	0.02104
42	0.30778	20.415	0.3406	0.02198
43	0.31529	19.929	0.0770	0.01668
44	0.32279	19.465	0.1230	0.01579
45	0.33030	19.023	0.0481	0.01603
46	0.33781	18.600	0.4638	0.01773
47	0.34531	18.196	0.2329	0.01530
48	0.35282	17.809	0.1395	0.01309
49	0.36033	17.437	0.1249	0.01552
50	0.36783	17.082	0.1191	0.01536
51	0.37534	16.740	0.3851	0.01606
52	0.38285	16.412	0.0606	0.01432
53	0.39035	16.096	0.0359	0.01281
54	0.39786	15.792	0.4116	0.01376
55	0.40537	15.500	0.1014	0.01478

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Tri)

Heteroscedasticity Reduced-300yr step: Residual

10:21 Friday, September 23, 1994

PER. 41

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	0.95379
2	0.00751	837.000	15.3242	0.93554
3	0.01501	418.500	7.6588	0.88460
4	0.02252	279.000	14.1477	0.81036
5	0.03003	209.250	2.2374	0.70694
6	0.03753	167.400	15.5963	0.61121
7	0.04504	139.500	7.0679	0.48196
8	0.05255	119.571	0.2613	0.36196
9	0.06005	104.625	2.5445	0.27653
10	0.06756	93.000	0.9446	0.19851
11	0.07507	83.700	0.2946	0.14902
12	0.08257	76.091	0.7026	0.10431
13	0.09008	69.750	2.9995	0.09357
14	0.09759	64.385	0.8352	0.08576
15	0.10510	59.786	0.7822	0.07525
16	0.11260	55.800	0.6496	0.06827
17	0.12011	52.313	0.5128	0.06284
18	0.12762	49.235	1.1798	0.05689
19	0.13512	46.500	0.2546	0.04740
20	0.14263	44.053	0.1859	0.04468
21	0.15014	41.850	0.6191	0.04351
22	0.15764	39.857	1.0551	0.04247
23	0.16515	38.045	0.4938	0.03871
24	0.17266	36.391	0.0608	0.03449
25	0.18016	34.875	0.5658	0.03353
26	0.18767	33.480	0.2425	0.03089
27	0.19518	32.192	0.5142	0.02874
28	0.20268	31.000	0.2288	0.02580
29	0.21019	29.893	0.2674	0.02581
30	0.21770	28.862	0.4156	0.02610
31	0.22520	27.900	0.1160	0.02491
32	0.23271	27.000	0.5252	0.02640
33	0.24022	26.156	0.0475	0.02664
34	0.24772	25.364	0.7370	0.02800
35	0.25523	24.618	0.1700	0.02694
36	0.26274	23.914	0.1033	0.02659
37	0.27024	23.250	0.8717	0.02746
38	0.27775	22.622	0.2473	0.02491
39	0.28526	22.026	0.0866	0.02269
40	0.29276	21.462	0.1497	0.02030
41	0.30027	20.925	0.3970	0.01991
42	0.30778	20.415	0.3406	0.01865
43	0.31529	19.929	0.0770	0.01642
44	0.32279	19.465	0.1230	0.01605
45	0.33030	19.023	0.0481	0.01595
46	0.33781	18.600	0.4638	0.01668
47	0.34531	18.196	0.2329	0.01582
48	0.35282	17.809	0.1395	0.01489
49	0.36033	17.437	0.1249	0.01501
50	0.36783	17.082	0.1191	0.01497
51	0.37534	16.740	0.3851	0.01500
52	0.38285	16.412	0.0606	0.01392
53	0.39035	16.096	0.0359	0.01365
54	0.39786	15.792	0.4116	0.01434
55	0.40537	15.500	0.1014	0.01410

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Rec)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 42

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	0.83167
2	0.00751	837.000	15.3242	0.94979
3	0.01501	418.500	7.6588	0.88719
4	0.02252	279.000	14.1477	0.82179
5	0.03003	209.250	2.2374	0.70879
6	0.03753	167.400	15.5963	0.58165
7	0.04504	139.500	7.0679	0.44875
8	0.05255	119.571	0.2613	0.38725
9	0.06005	104.625	2.5445	0.28868
10	0.06756	93.000	0.9446	0.27628
11	0.07507	83.700	0.2946	0.14529
12	0.08257	76.091	0.7026	0.08854
13	0.09008	69.750	2.9995	0.09077
14	0.09759	64.385	0.8352	0.07870
15	0.10510	59.786	0.7822	0.07260
16	0.11260	55.800	0.6496	0.07164
17	0.12011	52.313	0.5128	0.07090
18	0.12762	49.235	1.1798	0.05371
19	0.13512	46.500	0.2546	0.05069
20	0.14263	44.053	0.1859	0.04431
21	0.15014	41.850	0.6191	0.04357
22	0.15764	39.857	1.0551	0.04118
23	0.16515	38.045	0.4938	0.03529
24	0.17266	36.391	0.0608	0.03507
25	0.18016	34.875	0.5658	0.03579
26	0.18767	33.480	0.2425	0.03399
27	0.19518	32.192	0.5142	0.02568
28	0.20268	31.000	0.2288	0.02596
29	0.21019	29.893	0.2674	0.02584
30	0.21770	28.862	0.4156	0.02736
31	0.22520	27.900	0.1160	0.02672
32	0.23271	27.000	0.5252	0.02308
33	0.24022	26.156	0.0475	0.02877
34	0.24772	25.364	0.7370	0.02859
35	0.25523	24.618	0.1700	0.02568
36	0.26274	23.914	0.1033	0.02598
37	0.27024	23.250	0.8717	0.02485
38	0.27775	22.622	0.2473	0.02744
39	0.28526	22.026	0.0866	0.02160
40	0.29276	21.462	0.1497	0.02119
41	0.30027	20.925	0.3970	0.02070
42	0.30778	20.415	0.3406	0.01709
43	0.31529	19.929	0.0770	0.01697
44	0.32279	19.465	0.1230	0.01743
45	0.33030	19.023	0.0481	0.01721
46	0.33781	18.600	0.4638	0.01476
47	0.34531	18.196	0.2329	0.01515
48	0.35282	17.809	0.1395	0.01501
49	0.36033	17.437	0.1249	0.01424
50	0.36783	17.082	0.1191	0.01745
51	0.37534	16.740	0.3851	0.01424
52	0.38285	16.412	0.0606	0.01347
53	0.39035	16.096	0.0359	0.01421
54	0.39786	15.792	0.4116	0.01332
55	0.40537	15.500	0.1014	0.01465

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 43

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	0.97477
2	0.00751	837.000	15.3242	0.97563
3	0.01501	418.500	7.6588	0.90856
4	0.02252	279.000	14.1477	0.83860
5	0.03003	209.250	2.2374	0.71105
6	0.03753	167.400	15.5963	0.62104
7	0.04504	139.500	7.0679	0.48145
8	0.05255	119.571	0.2613	0.34789
9	0.06005	104.625	2.5445	0.24659
10	0.06756	93.000	0.9446	0.17678
11	0.07507	83.700	0.2946	0.11057
12	0.08257	76.091	0.7026	0.09420
13	0.09008	69.750	2.9995	0.09748
14	0.09759	64.385	0.8352	0.08626
15	0.10510	59.786	0.7822	0.07863
16	0.11260	55.800	0.6496	0.06961
17	0.12011	52.313	0.5128	0.05937
18	0.12762	49.235	1.1798	0.05146
19	0.13512	46.500	0.2546	0.04716
20	0.14263	44.053	0.1859	0.04409
21	0.15014	41.850	0.6191	0.04413
22	0.15764	39.857	1.0551	0.04307
23	0.16515	38.045	0.4938	0.03856
24	0.17266	36.391	0.0608	0.03538
25	0.18016	34.875	0.5658	0.03349
26	0.18767	33.480	0.2425	0.02990
27	0.19518	32.192	0.5142	0.02711
28	0.20268	31.000	0.2288	0.02608
29	0.21019	29.893	0.2674	0.02532
30	0.21770	28.862	0.4156	0.02539
31	0.22520	27.900	0.1160	0.02516
32	0.23271	27.000	0.5252	0.02529
33	0.24022	26.156	0.0475	0.02649
34	0.24772	25.364	0.7370	0.02890
35	0.25523	24.618	0.1700	0.02775
36	0.26274	23.914	0.1033	0.02731
37	0.27024	23.250	0.8717	0.02785
38	0.27775	22.622	0.2473	0.02559
39	0.28526	22.026	0.0866	0.02216
40	0.29276	21.462	0.1497	0.02091
41	0.30027	20.925	0.3970	0.01941
42	0.30778	20.415	0.3406	0.01718
43	0.31529	19.929	0.0770	0.01630
44	0.32279	19.465	0.1230	0.01616
45	0.33030	19.023	0.0481	0.01591
46	0.33781	18.600	0.4638	0.01622
47	0.34531	18.196	0.2329	0.01605
48	0.35282	17.809	0.1395	0.01568
49	0.36033	17.437	0.1249	0.01479
50	0.36783	17.082	0.1191	0.01480
51	0.37534	16.740	0.3851	0.01453
52	0.38285	16.412	0.0606	0.01374
53	0.39035	16.096	0.0359	0.01402
54	0.39786	15.792	0.4116	0.01460
55	0.40537	15.500	0.1014	0.01381



Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 5 (Rec)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 44

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	0.97546
2	0.00751	837.000	15.3242	1.07874
3	0.01501	418.500	7.6588	0.87045
4	0.02252	279.000	14.1477	0.87478
5	0.03003	209.250	2.2374	0.74338
6	0.03753	167.400	15.5963	0.62565
7	0.04504	139.500	7.0679	0.44098
8	0.05255	119.571	0.2613	0.42040
9	0.06005	104.625	2.5445	0.17687
10	0.06756	93.000	0.9446	0.07556
11	0.07507	83.700	0.2946	0.11914
12	0.08257	76.091	0.7026	0.09193
13	0.09008	69.750	2.9995	0.08935
14	0.09759	64.385	0.8352	0.09500
15	0.10510	59.786	0.7822	0.09198
16	0.11260	55.800	0.6496	0.06302
17	0.12011	52.313	0.5128	0.05378
18	0.12762	49.235	1.1798	0.04429
19	0.13512	46.500	0.2546	0.04380
20	0.14263	44.053	0.1859	0.05243
21	0.15014	41.850	0.6191	0.04151
22	0.15764	39.857	1.0551	0.03843
23	0.16515	38.045	0.4938	0.04448
24	0.17266	36.391	0.0608	0.03848
25	0.18016	34.875	0.5658	0.02987
26	0.18767	33.480	0.2425	0.02566
27	0.19518	32.192	0.5142	0.02895
28	0.20268	31.000	0.2288	0.02656
29	0.21019	29.893	0.2674	0.02454
30	0.21770	28.862	0.4156	0.02472
31	0.22520	27.900	0.1160	0.02183
32	0.23271	27.000	0.5252	0.02931
33	0.24022	26.156	0.0475	0.02540
34	0.24772	25.364	0.7370	0.02519
35	0.25523	24.618	0.1700	0.03071
36	0.26274	23.914	0.1033	0.03389
37	0.27024	23.250	0.8717	0.02354
38	0.27775	22.622	0.2473	0.02321
39	0.28526	22.026	0.0866	0.02789
40	0.29276	21.462	0.1497	0.01944
41	0.30027	20.925	0.3970	0.01672
42	0.30778	20.415	0.3406	0.01730
43	0.31529	19.929	0.0770	0.01569
44	0.32279	19.465	0.1230	0.01675
45	0.33030	19.023	0.0481	0.01504
46	0.33781	18.600	0.4638	0.01603
47	0.34531	18.196	0.2329	0.01606
48	0.35282	17.809	0.1395	0.01719
49	0.36033	17.437	0.1249	0.01594
50	0.36783	17.082	0.1191	0.01320
51	0.37534	16.740	0.3851	0.01155
52	0.38285	16.412	0.0606	0.01611
53	0.39035	16.096	0.0359	0.01583
54	0.39786	15.792	0.4116	0.01202
55	0.40537	15.500	0.1014	0.01460

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 5 (Tri)

Heteroscedasticity Reduced-300yr step: Residual

10:21 Friday, September 23, 1994

PER. 45

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	1.08391
2	0.00751	837.000	15.3242	1.07350
3	0.01501	418.500	7.6588	0.87961
4	0.02252	279.000	14.1477	0.82368
5	0.03003	209.250	2.2374	0.71555
6	0.03753	167.400	15.5963	0.70566
7	0.04504	139.500	7.0679	0.51019
8	0.05255	119.571	0.2613	0.32317
9	0.06005	104.625	2.5445	0.15392
10	0.06756	93.000	0.9446	0.08378
11	0.07507	83.700	0.2946	0.08596
12	0.08257	76.091	0.7026	0.09262
13	0.09008	69.750	2.9995	0.11628
14	0.09759	64.385	0.8352	0.10098
15	0.10510	59.786	0.7822	0.07806
16	0.11260	55.800	0.6496	0.05795
17	0.12011	52.313	0.5128	0.05512
18	0.12762	49.235	1.1798	0.05225
19	0.13512	46.500	0.2546	0.04091
20	0.14263	44.053	0.1859	0.04014
21	0.15014	41.850	0.6191	0.04498
22	0.15764	39.857	1.0551	0.04985
23	0.16515	38.045	0.4938	0.04331
24	0.17266	36.391	0.0608	0.03182
25	0.18016	34.875	0.5658	0.02928
26	0.18767	33.480	0.2425	0.02809
27	0.19518	32.192	0.5142	0.02934
28	0.20268	31.000	0.2288	0.02571
29	0.21019	29.893	0.2674	0.02406
30	0.21770	28.862	0.4156	0.02447
31	0.22520	27.900	0.1160	0.02250
32	0.23271	27.000	0.5252	0.02701
33	0.24022	26.156	0.0475	0.02611
34	0.24772	25.364	0.7370	0.02895
35	0.25523	24.618	0.1700	0.02750
36	0.26274	23.914	0.1033	0.02986
37	0.27024	23.250	0.8717	0.03159
38	0.27775	22.622	0.2473	0.02574
39	0.28526	22.026	0.0866	0.02054
40	0.29276	21.462	0.1497	0.01772
41	0.30027	20.925	0.3970	0.02065
42	0.30778	20.415	0.3406	0.01983
43	0.31529	19.929	0.0770	0.01418
44	0.32279	19.465	0.1230	0.01259
45	0.33030	19.023	0.0481	0.01439
46	0.33781	18.600	0.4638	0.01959
47	0.34531	18.196	0.2329	0.01838
48	0.35282	17.809	0.1395	0.01518
49	0.36033	17.437	0.1249	0.01335
50	0.36783	17.082	0.1191	0.01395
51	0.37534	16.740	0.3851	0.01481
52	0.38285	16.412	0.0606	0.01375
53	0.39035	16.096	0.0359	0.01361
54	0.39786	15.792	0.4116	0.01517
55	0.40537	15.500	0.1014	0.01483

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 46

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	1.21946
2	0.00751	837.000	15.3242	1.01613
3	0.01501	418.500	7.6588	0.98492
4	0.02252	279.000	14.1477	0.63778
5	0.03003	209.250	2.2374	0.84833
6	0.03753	167.400	15.5963	0.66053
7	0.04504	139.500	7.0679	0.60812
8	0.05255	119.571	0.2613	0.26191
9	0.06005	104.625	2.5445	0.09948
10	0.06756	93.000	0.9446	0.10037
11	0.07507	83.700	0.2946	0.05151
12	0.08257	76.091	0.7026	0.10601
13	0.09008	69.750	2.9995	0.12035
14	0.09759	64.385	0.8352	0.12247
15	0.10510	59.786	0.7822	0.06013
16	0.11260	55.800	0.6496	0.05158
17	0.12011	52.313	0.5128	0.06213
18	0.12762	49.235	1.1798	0.05165
19	0.13512	46.500	0.2546	0.04298
20	0.14263	44.053	0.1859	0.02811
21	0.15014	41.850	0.6191	0.04934
22	0.15764	39.857	1.0551	0.05751
23	0.16515	38.045	0.4938	0.04270
24	0.17266	36.391	0.0608	0.02972
25	0.18016	34.875	0.5658	0.02305
26	0.18767	33.480	0.2425	0.03508
27	0.19518	32.192	0.5142	0.02614
28	0.20268	31.000	0.2288	0.02680
29	0.21019	29.893	0.2674	0.02419
30	0.21770	28.862	0.4156	0.02119
31	0.22520	27.900	0.1160	0.02803
32	0.23271	27.000	0.5252	0.01827
33	0.24022	26.156	0.0475	0.03474
34	0.24772	25.364	0.7370	0.02532
35	0.25523	24.618	0.1700	0.02680
36	0.26274	23.914	0.1033	0.03037
37	0.27024	23.250	0.8717	0.03242
38	0.27775	22.622	0.2473	0.03198
39	0.28526	22.026	0.0866	0.01283
40	0.29276	21.462	0.1497	0.01680
41	0.30027	20.925	0.3970	0.02354
42	0.30778	20.415	0.3406	0.02161
43	0.31529	19.929	0.0770	0.01434
44	0.32279	19.465	0.1230	0.00658
45	0.33030	19.023	0.0481	0.01684
46	0.33781	18.600	0.4638	0.01976
47	0.34531	18.196	0.2329	0.02218
48	0.35282	17.809	0.1395	0.01319
49	0.36033	17.437	0.1249	0.01017
50	0.36783	17.082	0.1191	0.01669
51	0.37534	16.740	0.3851	0.01498
52	0.38285	16.412	0.0606	0.01277
53	0.39035	16.096	0.0359	0.01348
54	0.39786	15.792	0.4116	0.01456
55	0.40537	15.500	0.1014	0.01747

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Tri)

Heteroscedasticity Reduced-300yr step:Residual

10:21 Friday, September 23, 1994

PER. 47

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	8.1272	1.21946
2	0.00751	837.000	15.3242	1.06696
3	0.01501	418.500	7.6588	0.89106
4	0.02252	279.000	14.1477	0.75979
5	0.03003	209.250	2.2374	0.68076
6	0.03753	167.400	15.5963	0.80568
7	0.04504	139.500	7.0679	0.59670
8	0.05255	119.571	0.2613	0.20163
9	0.06005	104.625	2.5445	0.12523
10	0.06756	93.000	0.9446	0.09407
11	0.07507	83.700	0.2946	0.04449
12	0.08257	76.091	0.7026	0.09349
13	0.09008	69.750	2.9995	0.14994
14	0.09759	64.385	0.8352	0.10847
15	0.10510	59.786	0.7822	0.06066
16	0.11260	55.800	0.6496	0.05161
17	0.12011	52.313	0.5128	0.05680
18	0.12762	49.235	1.1798	0.06221
19	0.13512	46.500	0.2546	0.03730
20	0.14263	44.053	0.1859	0.02478
21	0.15014	41.850	0.6191	0.04932
22	0.15764	39.857	1.0551	0.06412
23	0.16515	38.045	0.4938	0.04185
24	0.17266	36.391	0.0608	0.02350
25	0.18016	34.875	0.5658	0.02855
26	0.18767	33.480	0.2425	0.03114
27	0.19518	32.192	0.5142	0.02984
28	0.20268	31.000	0.2288	0.02465
29	0.21019	29.893	0.2674	0.02346
30	0.21770	28.862	0.4156	0.02416
31	0.22520	27.900	0.1160	0.02333
32	0.23271	27.000	0.5252	0.02415
33	0.24022	26.156	0.0475	0.02700
34	0.24772	25.364	0.7370	0.03365
35	0.25523	24.618	0.1700	0.02348
36	0.26274	23.914	0.1033	0.02483
37	0.27024	23.250	0.8717	0.04166
38	0.27775	22.622	0.2473	0.02890
39	0.28526	22.026	0.0866	0.01134
40	0.29276	21.462	0.1497	0.01558
41	0.30027	20.925	0.3970	0.02555
42	0.30778	20.415	0.3406	0.02298
43	0.31529	19.929	0.0770	0.01229
44	0.32279	19.465	0.1230	0.00738
45	0.33030	19.023	0.0481	0.01359
46	0.33781	18.600	0.4638	0.02405
47	0.34531	18.196	0.2329	0.02127
48	0.35282	17.809	0.1395	0.01267
49	0.36033	17.437	0.1249	0.01011
50	0.36783	17.082	0.1191	0.01489
51	0.37534	16.740	0.3851	0.01890
52	0.38285	16.412	0.0606	0.01079
53	0.39035	16.096	0.0359	0.01083
54	0.39786	15.792	0.4116	0.01911
55	0.40537	15.500	0.1014	0.01512

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)

Heteroscedasticity Reduced-150yr step: Residual

10:21 Friday, September 23, 1994

PER. 48

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.24713
2	0.00751	837.000	1.44163	0.22772
3	0.01501	418.500	2.15574	0.21495
4	0.02252	279.000	3.32222	0.19948
5	0.03003	209.250	2.88147	0.20554
6	0.03753	167.400	6.55846	0.19619
7	0.04504	139.500	3.87569	0.20091
8	0.05255	119.571	1.11591	0.20530
9	0.06005	104.625	1.18356	0.19120
10	0.06756	93.000	2.99372	0.18524
11	0.07507	83.700	0.14941	0.16481
12	0.08257	76.091	2.09336	0.11925
13	0.09008	69.750	2.04935	0.10179
14	0.09759	64.385	0.20648	0.09374
15	0.10510	59.786	2.49809	0.08730
16	0.11260	55.800	0.05766	0.06613
17	0.12011	52.313	0.26007	0.07072
18	0.12762	49.235	1.46301	0.05894
19	0.13512	46.500	0.00302	0.04479
20	0.14263	44.053	0.29362	0.04742
21	0.15014	41.850	0.06769	0.03185
22	0.15764	39.857	0.78326	0.03705
23	0.16515	38.045	0.46571	0.03646
24	0.17266	36.391	0.09246	0.02958
25	0.18016	34.875	0.57019	0.03067
26	0.18767	33.480	0.34533	0.03008
27	0.19518	32.192	0.77757	0.03830
28	0.20268	31.000	0.17785	0.03299
29	0.21019	29.893	0.51173	0.03556
30	0.21770	28.862	0.15438	0.03709
31	0.22520	27.900	0.21188	0.03308
32	0.23271	27.000	1.20436	0.03793
33	0.24022	26.156	0.04845	0.03284
34	0.24772	25.364	0.82064	0.03267
35	0.25523	24.618	0.30497	0.02923
36	0.26274	23.914	0.01597	0.03027
37	0.27024	23.250	1.01530	0.03005
38	0.27775	22.622	0.07404	0.02135
39	0.28526	22.026	0.15435	0.02354
40	0.29276	21.462	0.03639	0.01833
41	0.30027	20.925	0.29752	0.01965
42	0.30778	20.415	0.18212	0.02010
43	0.31529	19.929	0.00171	0.01486
44	0.32279	19.465	0.35052	0.01624
45	0.33030	19.023	0.10093	0.01533
46	0.33781	18.600	0.48743	0.01834
47	0.34531	18.196	0.07879	0.01695
48	0.35282	17.809	0.29059	0.01638
49	0.36033	17.437	0.26505	0.01888
50	0.36783	17.082	0.02842	0.01650
51	0.37534	16.740	0.45243	0.01658
52	0.38285	16.412	0.10539	0.01393
53	0.39035	16.096	0.10361	0.01387
54	0.39786	15.792	0.34639	0.01289
55	0.40537	15.500	0.02198	0.01249

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 11 (Tri)

Heteroscedasticity Reduced-150yr step:Residual

10:21 Friday, September 23, 1994

PER. 49

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.18764
2	0.00751	837.000	1.44163	0.19302
3	0.01501	418.500	2.15574	0.20900
4	0.02252	279.000	3.32222	0.22442
5	0.03003	209.250	2.88147	0.23912
6	0.03753	167.400	6.55846	0.24618
7	0.04504	139.500	3.87569	0.23205
8	0.05255	119.571	1.11591	0.20851
9	0.06005	104.625	1.18356	0.18368
10	0.06756	93.000	2.99372	0.16390
11	0.07507	83.700	0.14941	0.13836
12	0.08257	76.091	2.09336	0.11911
13	0.09008	69.750	2.04935	0.10833
14	0.09759	64.385	0.20648	0.09706
15	0.10510	59.786	2.49809	0.08800
16	0.11260	55.800	0.05766	0.07065
17	0.12011	52.313	0.26007	0.06141
18	0.12762	49.235	1.46301	0.05237
19	0.13512	46.500	0.00302	0.04169
20	0.14263	44.053	0.29362	0.03680
21	0.15014	41.850	0.06769	0.03182
22	0.15764	39.857	0.78326	0.03379
23	0.16515	38.045	0.46571	0.03281
24	0.17266	36.391	0.09246	0.03148
25	0.18016	34.875	0.57019	0.03332
26	0.18767	33.480	0.34533	0.03311
27	0.19518	32.192	0.77757	0.03469
28	0.20268	31.000	0.17785	0.03308
29	0.21019	29.893	0.51173	0.03424
30	0.21770	28.862	0.15438	0.03483
31	0.22520	27.900	0.21188	0.03499
32	0.23271	27.000	1.20436	0.03771
33	0.24022	26.156	0.04845	0.03603
34	0.24772	25.364	0.82064	0.03620
35	0.25523	24.618	0.30497	0.03322
36	0.26274	23.914	0.01597	0.03067
37	0.27024	23.250	1.01530	0.02880
38	0.27775	22.622	0.07404	0.02291
39	0.28526	22.026	0.15435	0.02013
40	0.29276	21.462	0.03639	0.01700
41	0.30027	20.925	0.29752	0.01660
42	0.30778	20.415	0.18212	0.01574
43	0.31529	19.929	0.00171	0.01474
44	0.32279	19.465	0.35052	0.01657
45	0.33030	19.023	0.10093	0.01708
46	0.33781	18.600	0.48743	0.01848
47	0.34531	18.196	0.07879	0.01804
48	0.35282	17.809	0.29059	0.01813
49	0.36033	17.437	0.26505	0.01811
50	0.36783	17.082	0.02842	0.01698
51	0.37534	16.740	0.45243	0.01673
52	0.38285	16.412	0.10539	0.01498
53	0.39035	16.096	0.10361	0.01400
54	0.39786	15.792	0.34639	0.01307
55	0.40537	15.500	0.02198	0.01172

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Rec)

Heteroscedasticity Reduced-150yr step: Residual

10:21 Friday, September 23, 1994

PER. 50

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.18607
2	0.00751	837.000	1.44163	0.21858
3	0.01501	418.500	2.15574	0.22347
4	0.02252	279.000	3.32222	0.21428
5	0.03003	209.250	2.88147	0.21200
6	0.03753	167.400	6.55846	0.22572
7	0.04504	139.500	3.87569	0.21429
8	0.05255	119.571	1.11591	0.21374
9	0.06005	104.625	1.18356	0.20249
10	0.06756	93.000	2.99372	0.17884
11	0.07507	83.700	0.14941	0.14294
12	0.08257	76.091	2.09336	0.10918
13	0.09008	69.750	2.04935	0.10161
14	0.09759	64.385	0.20648	0.10408
15	0.10510	59.786	2.49809	0.07764
16	0.11260	55.800	0.05766	0.07891
17	0.12011	52.313	0.26007	0.06100
18	0.12762	49.235	1.46301	0.04981
19	0.13512	46.500	0.00302	0.05210
20	0.14263	44.053	0.29362	0.03083
21	0.15014	41.850	0.06769	0.03536
22	0.15764	39.857	0.78326	0.03611
23	0.16515	38.045	0.46571	0.03005
24	0.17266	36.391	0.09246	0.03160
25	0.18016	34.875	0.57019	0.03353
26	0.18767	33.480	0.34533	0.03429
27	0.19518	32.192	0.77757	0.02924
28	0.20268	31.000	0.17785	0.03577
29	0.21019	29.893	0.51173	0.03538
30	0.21770	28.862	0.15438	0.03760
31	0.22520	27.900	0.21188	0.03724
32	0.23271	27.000	1.20436	0.03051
33	0.24022	26.156	0.04845	0.03791
34	0.24772	25.364	0.82064	0.03404
35	0.25523	24.618	0.30497	0.03404
36	0.26274	23.914	0.01597	0.03249
37	0.27024	23.250	1.01530	0.02447
38	0.27775	22.622	0.07404	0.02565
39	0.28526	22.026	0.15435	0.01841
40	0.29276	21.462	0.03639	0.01881
41	0.30027	20.925	0.29752	0.01957
42	0.30778	20.415	0.18212	0.01490
43	0.31529	19.929	0.00171	0.01494
44	0.32279	19.465	0.35052	0.01615
45	0.33030	19.023	0.10093	0.01817
46	0.33781	18.600	0.48743	0.01579
47	0.34531	18.196	0.07879	0.01818
48	0.35282	17.809	0.29059	0.01909
49	0.36033	17.437	0.26505	0.01691
50	0.36783	17.082	0.02842	0.01908
51	0.37534	16.740	0.45243	0.01497
52	0.38285	16.412	0.10539	0.01526
53	0.39035	16.096	0.10361	0.01376
54	0.39786	15.792	0.34639	0.01204
55	0.40537	15.500	0.02198	0.01316

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)

Heteroscedasticity Reduced-150yr step:Residual

10:21 Friday, September 23, 1994

PER. 51

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.16147
2	0.00751	837.000	1.44163	0.17776
3	0.01501	418.500	2.15574	0.20638
4	0.02252	279.000	3.32222	0.23540
5	0.03003	209.250	2.88147	0.25390
6	0.03753	167.400	6.55846	0.26817
7	0.04504	139.500	3.87569	0.24576
8	0.05255	119.571	1.11591	0.20993
9	0.06005	104.625	1.18356	0.18037
10	0.06756	93.000	2.99372	0.15452
11	0.07507	83.700	0.14941	0.12673
12	0.08257	76.091	2.09336	0.11905
13	0.09008	69.750	2.04935	0.11120
14	0.09759	64.385	0.20648	0.09852
15	0.10510	59.786	2.49809	0.08830
16	0.11260	55.800	0.05766	0.07264
17	0.12011	52.313	0.26007	0.05731
18	0.12762	49.235	1.46301	0.04947
19	0.13512	46.500	0.00302	0.04033
20	0.14263	44.053	0.29362	0.03212
21	0.15014	41.850	0.06769	0.03181
22	0.15764	39.857	0.78326	0.03235
23	0.16515	38.045	0.46571	0.03121
24	0.17266	36.391	0.09246	0.03232
25	0.18016	34.875	0.57019	0.03448
26	0.18767	33.480	0.34533	0.03444
27	0.19518	32.192	0.77757	0.03310
28	0.20268	31.000	0.17785	0.03312
29	0.21019	29.893	0.51173	0.03366
30	0.21770	28.862	0.15438	0.03384
31	0.22520	27.900	0.21188	0.03582
32	0.23271	27.000	1.20436	0.03761
33	0.24022	26.156	0.04845	0.03743
34	0.24772	25.364	0.82064	0.03775
35	0.25523	24.618	0.30497	0.03497
36	0.26274	23.914	0.01597	0.03085
37	0.27024	23.250	1.01530	0.02825
38	0.27775	22.622	0.07404	0.02360
39	0.28526	22.026	0.15435	0.01864
40	0.29276	21.462	0.03639	0.01642
41	0.30027	20.925	0.29752	0.01526
42	0.30778	20.415	0.18212	0.01382
43	0.31529	19.929	0.00171	0.01469
44	0.32279	19.465	0.35052	0.01672
45	0.33030	19.023	0.10093	0.01784
46	0.33781	18.600	0.48743	0.01854
47	0.34531	18.196	0.07879	0.01851
48	0.35282	17.809	0.29059	0.01890
49	0.36033	17.437	0.26505	0.01778
50	0.36783	17.082	0.02842	0.01718
51	0.37534	16.740	0.45243	0.01680
52	0.38285	16.412	0.10539	0.01544
53	0.39035	16.096	0.10361	0.01405
54	0.39786	15.792	0.34639	0.01315
55	0.40537	15.500	0.02198	0.01139



Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 5 (Rec)

Heteroscedasticity Reduced-150yr step: Residual

10:21 Friday, September 23, 1994

PER. 52

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.13745
2	0.00751	837.000	1.44163	0.15602
3	0.01501	418.500	2.15574	0.17893
4	0.02252	279.000	3.32222	0.26037
5	0.03003	209.250	2.88147	0.29911
6	0.03753	167.400	6.55846	0.28256
7	0.04504	139.500	3.87569	0.24852
8	0.05255	119.571	1.11591	0.25031
9	0.06005	104.625	1.18356	0.14831
10	0.06756	93.000	2.99372	0.11994
11	0.07507	83.700	0.14941	0.13479
12	0.08257	76.091	2.09336	0.11924
13	0.09008	69.750	2.04935	0.11136
14	0.09759	64.385	0.20648	0.10990
15	0.10510	59.786	2.49809	0.08072
16	0.11260	55.800	0.05766	0.07139
17	0.12011	52.313	0.26007	0.06815
18	0.12762	49.235	1.46301	0.03306
19	0.13512	46.500	0.00302	0.03322
20	0.14263	44.053	0.29362	0.04155
21	0.15014	41.850	0.06769	0.02568
22	0.15764	39.857	0.78326	0.02710
23	0.16515	38.045	0.46571	0.03150
24	0.17266	36.391	0.09246	0.03592
25	0.18016	34.875	0.57019	0.03583
26	0.18767	33.480	0.34533	0.03125
27	0.19518	32.192	0.77757	0.03792
28	0.20268	31.000	0.17785	0.03130
29	0.21019	29.893	0.51173	0.02918
30	0.21770	28.862	0.15438	0.03597
31	0.22520	27.900	0.21188	0.03391
32	0.23271	27.000	1.20436	0.03883
33	0.24022	26.156	0.04845	0.04123
34	0.24772	25.364	0.82064	0.03811
35	0.25523	24.618	0.30497	0.03510
36	0.26274	23.914	0.01597	0.03551
37	0.27024	23.250	1.01530	0.02490
38	0.27775	22.622	0.07404	0.02063
39	0.28526	22.026	0.15435	0.02511
40	0.29276	21.462	0.03639	0.01185
41	0.30027	20.925	0.29752	0.01070
42	0.30778	20.415	0.18212	0.01382
43	0.31529	19.929	0.00171	0.01485
44	0.32279	19.465	0.35052	0.01787
45	0.33030	19.023	0.10093	0.01622
46	0.33781	18.600	0.48743	0.02082
47	0.34531	18.196	0.07879	0.01946
48	0.35282	17.809	0.29059	0.01831
49	0.36033	17.437	0.26505	0.01775
50	0.36783	17.082	0.02842	0.01817
51	0.37534	16.740	0.45243	0.01520
52	0.38285	16.412	0.10539	0.01649
53	0.39035	16.096	0.10361	0.01639
54	0.39786	15.792	0.34639	0.01096
55	0.40537	15.500	0.02198	0.01123

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 5 (Tri)

Heteroscedasticity Reduced-150yr step:Residual

10:21 Friday, September 23, 1994

PER. 53

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.12735
2	0.00751	837.000	1.44163	0.14398
3	0.01501	418.500	2.15574	0.17965
4	0.02252	279.000	3.32222	0.24794
5	0.03003	209.250	2.88147	0.30449
6	0.03753	167.400	6.55846	0.33270
7	0.04504	139.500	3.87569	0.27446
8	0.05255	119.571	1.11591	0.20353
9	0.06005	104.625	1.18356	0.13966
10	0.06756	93.000	2.99372	0.13136
11	0.07507	83.700	0.14941	0.12251
12	0.08257	76.091	2.09336	0.12271
13	0.09008	69.750	2.04935	0.11844
14	0.09759	64.385	0.20648	0.10491
15	0.10510	59.786	2.49809	0.09135
16	0.11260	55.800	0.05766	0.06507
17	0.12011	52.313	0.26007	0.05590
18	0.12762	49.235	1.46301	0.04657
19	0.13512	46.500	0.00302	0.03404
20	0.14263	44.053	0.29362	0.02890
21	0.15014	41.850	0.06769	0.02498
22	0.15764	39.857	0.78326	0.03362
23	0.16515	38.045	0.46571	0.03348
24	0.17266	36.391	0.09246	0.03075
25	0.18016	34.875	0.57019	0.03386
26	0.18767	33.480	0.34533	0.03538
27	0.19518	32.192	0.77757	0.03944
28	0.20268	31.000	0.17785	0.03194
29	0.21019	29.893	0.51173	0.02820
30	0.21770	28.862	0.15438	0.02911
31	0.22520	27.900	0.21188	0.03460
32	0.23271	27.000	1.20436	0.04517
33	0.24022	26.156	0.04845	0.04167
34	0.24772	25.364	0.82064	0.03881
35	0.25523	24.618	0.30497	0.03229
36	0.26274	23.914	0.01597	0.03168
37	0.27024	23.250	1.01530	0.03258
38	0.27775	22.622	0.07404	0.02311
39	0.28526	22.026	0.15435	0.01765
40	0.29276	21.462	0.03639	0.01122
41	0.30027	20.925	0.29752	0.01314
42	0.30778	20.415	0.18212	0.01354
43	0.31529	19.929	0.00171	0.01299
44	0.32279	19.465	0.35052	0.01703
45	0.33030	19.023	0.10093	0.01821
46	0.33781	18.600	0.48743	0.02178
47	0.34531	18.196	0.07879	0.01908
48	0.35282	17.809	0.29059	0.01835
49	0.36033	17.437	0.26505	0.01737
50	0.36783	17.082	0.02842	0.01694
51	0.37534	16.740	0.45243	0.01763
52	0.38285	16.412	0.10539	0.01594
53	0.39035	16.096	0.10361	0.01493
54	0.39786	15.792	0.34639	0.01333
55	0.40537	15.500	0.02198	0.01068

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)

Heteroscedasticity Reduced-150yr step:Residual

10:21 Friday, September 23, 1994

PER. 54

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.11472
2	0.00751	837.000	1.44163	0.13366
3	0.01501	418.500	2.15574	0.18355
4	0.02252	279.000	3.32222	0.22174
5	0.03003	209.250	2.88147	0.33853
6	0.03753	167.400	6.55846	0.35321
7	0.04504	139.500	3.87569	0.30637
8	0.05255	119.571	1.11591	0.16380
9	0.06005	104.625	1.18356	0.14041
10	0.06756	93.000	2.99372	0.11477
11	0.07507	83.700	0.14941	0.13890
12	0.08257	76.091	2.09336	0.11385
13	0.09008	69.750	2.04935	0.11537
14	0.09759	64.385	0.20648	0.12610
15	0.10510	59.786	2.49809	0.07327
16	0.11260	55.800	0.05766	0.07469
17	0.12011	52.313	0.26007	0.04724
18	0.12762	49.235	1.46301	0.04579
19	0.13512	46.500	0.00302	0.04668
20	0.14263	44.053	0.29362	0.00966
21	0.15014	41.850	0.06769	0.03036
22	0.15764	39.857	0.78326	0.03493
23	0.16515	38.045	0.46571	0.03558
24	0.17266	36.391	0.09246	0.02993
25	0.18016	34.875	0.57019	0.02674
26	0.18767	33.480	0.34533	0.04491
27	0.19518	32.192	0.77757	0.03450
28	0.20268	31.000	0.17785	0.03892
29	0.21019	29.893	0.51173	0.02239
30	0.21770	28.862	0.15438	0.02329
31	0.22520	27.900	0.21188	0.04166
32	0.23271	27.000	1.20436	0.03885
33	0.24022	26.156	0.04845	0.05500
34	0.24772	25.364	0.82064	0.03114
35	0.25523	24.618	0.30497	0.03028
36	0.26274	23.914	0.01597	0.03544
37	0.27024	23.250	1.01530	0.02932
38	0.27775	22.622	0.07404	0.03299
39	0.28526	22.026	0.15435	0.00702
40	0.29276	21.462	0.03639	0.01295
41	0.30027	20.925	0.29752	0.01369
42	0.30778	20.415	0.18212	0.01277
43	0.31529	19.929	0.00171	0.01417
44	0.32279	19.465	0.35052	0.01202
45	0.33030	19.023	0.10093	0.02490
46	0.33781	18.600	0.48743	0.01770
47	0.34531	18.196	0.07879	0.02273
48	0.35282	17.809	0.29059	0.01683
49	0.36033	17.437	0.26505	0.01549
50	0.36783	17.082	0.02842	0.01979
51	0.37534	16.740	0.45243	0.01555
52	0.38285	16.412	0.10539	0.01755
53	0.39035	16.096	0.10361	0.01473
54	0.39786	15.792	0.34639	0.01252
55	0.40537	15.500	0.02198	0.01273

Spectral Density Estimates: (Tin Prodn 1156-1992)

Spectral Window: 3 (Tri)

Heteroscedasticity Reduced-150yr step: Residual

10:21 Friday, September 23, 1994

PER.55

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.15794	0.11472
2	0.00751	837.000	1.44163	0.12893
3	0.01501	418.500	2.15574	0.18055
4	0.02252	279.000	3.32222	0.23240
5	0.03003	209.250	2.88147	0.31122
6	0.03753	167.400	6.55846	0.39538
7	0.04504	139.500	3.87569	0.30689
8	0.05255	119.571	1.11591	0.14505
9	0.06005	104.625	1.18356	0.12885
10	0.06756	93.000	2.99372	0.14563
11	0.07507	83.700	0.14941	0.10715
12	0.08257	76.091	2.09336	0.12704
13	0.09008	69.750	2.04935	0.12729
14	0.09759	64.385	0.20648	0.09868
15	0.10510	59.786	2.49809	0.10465
16	0.11260	55.800	0.05766	0.05717
17	0.12011	52.313	0.26007	0.04060
18	0.12762	49.235	1.46301	0.06345
19	0.13512	46.500	0.00302	0.03507
20	0.14263	44.053	0.29362	0.01309
21	0.15014	41.850	0.06769	0.02412
22	0.15764	39.857	0.78326	0.04178
23	0.16515	38.045	0.46571	0.03595
24	0.17266	36.391	0.09246	0.02429
25	0.18016	34.875	0.57019	0.03140
26	0.18767	33.480	0.34533	0.04055
27	0.19518	32.192	0.77757	0.04135
28	0.20268	31.000	0.17785	0.03273
29	0.21019	29.893	0.51173	0.02697
30	0.21770	28.862	0.15438	0.02054
31	0.22520	27.900	0.21188	0.03546
32	0.23271	27.000	1.20436	0.05310
33	0.24022	26.156	0.04845	0.04221
34	0.24772	25.364	0.82064	0.03968
35	0.25523	24.618	0.30497	0.02878
36	0.26274	23.914	0.01597	0.02690
37	0.27024	23.250	1.01530	0.04219
38	0.27775	22.622	0.07404	0.02622
39	0.28526	22.026	0.15435	0.00834
40	0.29276	21.462	0.03639	0.01044
41	0.30027	20.925	0.29752	0.01619
42	0.30778	20.415	0.18212	0.01320
43	0.31529	19.929	0.00171	0.01066
44	0.32279	19.465	0.35052	0.01599
45	0.33030	19.023	0.10093	0.02069
46	0.33781	18.600	0.48743	0.02297
47	0.34531	18.196	0.07879	0.01861
48	0.35282	17.809	0.29059	0.01840
49	0.36033	17.437	0.26505	0.01689
50	0.36783	17.082	0.02842	0.01540
51	0.37534	16.740	0.45243	0.02066
52	0.38285	16.412	0.10539	0.01526
53	0.39035	16.096	0.10361	0.01311
54	0.39786	15.792	0.34639	0.01628
55	0.40537	15.500	0.02198	0.00998

## Spectral Density Estimates: (Population 1541-1992)

PER. 56

Spectral Window: 11 (Rec)

RAW † Log of Data 10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW	LOG	RAW	LOG
			P_01	P_02	S_01	S_02
1	0.00000	.	220956785342.90	14449.01	1860493140.89	1.30977
2	0.01390	452.000	64535692265.04	47.87	1857563003.60	1.30766
3	0.02780	226.000	19987784425.64	10.51	1843099746.47	1.29553
4	0.04170	150.667	6388399828.39	4.28	1802772392.40	1.26854
5	0.05560	113.000	3213914260.24	2.51	1663242084.99	1.19577
6	0.06950	90.400	2194417924.33	1.42	1200472735.40	0.85220
7	0.08341	75.333	1789384821.81	1.13	736648167.22	0.50785
8	0.09731	64.571	1214657118.08	0.83	272423418.86	0.16336
9	0.11121	56.500	813946579.80	0.55	129923358.52	0.08869
10	0.12511	50.222	700499322.48	0.46	85318487.10	0.05887
11	0.13901	45.200	567049549.82	0.38	63471814.72	0.04178
12	0.15291	41.091	421186603.11	0.27	49115578.73	0.03256
13	0.16681	37.667	365869665.88	0.25	37653498.87	0.02538
14	0.18071	34.769	289990146.28	0.19	30007516.87	0.02020
15	0.19461	32.286	222665028.84	0.16	25011111.74	0.01692
16	0.20851	30.133	194047060.06	0.14	20811861.52	0.01426
17	0.22241	28.250	209954321.60	0.15	17638737.04	0.01214
18	0.23631	26.588	204980642.92	0.14	15557159.99	0.01084
19	0.25022	25.111	157752439.18	0.11	13796047.00	0.00959
20	0.26412	23.789	123293114.87	0.10	12485866.98	0.00873
21	0.27802	22.600	120036642.56	0.09	11469682.49	0.00800
22	0.29192	21.524	128428309.48	0.08	10552709.62	0.00737
23	0.30582	20.545	133450047.72	0.09	9562670.75	0.00672
24	0.31972	19.652	122430882.89	0.08	8693046.77	0.00613
25	0.33362	18.833	108883861.42	0.07	8115915.17	0.00568
26	0.34752	18.080	82197768.20	0.06	7646933.29	0.00525
27	0.36142	17.385	67293830.62	0.06	7128645.38	0.00489
28	0.37532	16.741	73101171.57	0.05	6543243.38	0.00455
29	0.38922	16.143	84772453.68	0.05	5931373.00	0.00415
30	0.40312	15.586	77975494.56	0.05	5450001.12	0.00383
31	0.41703	15.067	58465712.38	0.04	5081269.81	0.00353
32	0.43093	14.581	48393666.07	0.04	4827210.89	0.00330
33	0.44483	14.125	47508146.05	0.04	4571991.05	0.00306
34	0.45873	13.697	48871157.83	0.03	4258812.01	0.00283
35	0.47263	13.294	55890810.87	0.03	3906186.08	0.00260
36	0.48653	12.914	57914104.43	0.03	3628804.93	0.00239
37	0.50043	12.556	47079183.33	0.03	3478416.60	0.00227
38	0.51433	12.216	32014773.02	0.02	3357219.45	0.00215
39	0.52823	11.895	29810408.28	0.02	3205619.34	0.00203
40	0.54213	11.590	36028944.26	0.02	3013096.16	0.00191
41	0.55603	11.300	39633076.99	0.02	2804032.61	0.00181
42	0.56993	11.024	37677522.26	0.02	2624334.73	0.00172
43	0.58384	10.762	31640575.03	0.02	2522673.58	0.00166
44	0.59774	10.512	26552451.72	0.02	2470443.59	0.00162
45	0.61164	10.273	22258663.01	0.02	2386504.11	0.00156
46	0.62554	10.044	26991940.27	0.02	2266269.32	0.00150
47	0.63944	9.826	33074452.94	0.02	2134869.98	0.00144
48	0.65334	9.617	33026555.38	0.02	2038474.57	0.00139
49	0.66724	9.417	24795016.79	0.02	1989715.71	0.00135
50	0.68114	9.224	18207447.03	0.01	1957328.91	0.00131
51	0.69504	9.040	19408880.57	0.02	1916935.92	0.00129
52	0.70894	8.863	21469736.24	0.01	1822478.02	0.00122
53	0.72284	8.692	24352777.52	0.02	1708029.87	0.00117
54	0.73675	8.528	24900633.56	0.02	1617536.91	0.00112
55	0.75065	8.370	22075621.86	0.01	1573614.64	0.00107
56	0.76455	8.218	16675137.63	0.01	1550549.58	0.00105

## Spectral Density Estimates: (Population 1541-1992)

PER. 57

Spectral Window: 9 (Rec)

RAW+Log of Data

10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	220956785342.90	14449.01	2235130232.21	1.57571
2	0.01390	452.000	64535692265.04	47.87	2226115905.47	1.56611
3	0.02780	226.000	19987784425.64	10.51	2185451684.82	1.53822
4	0.04170	150.667	6388399828.39	4.28	2019460795.47	1.45259
5	0.05560	113.000	3213914260.24	2.51	1456036861.68	1.03423
6	0.06950	90.400	2194417924.33	1.42	891609833.90	0.61501
7	0.08341	75.333	1789384821.81	1.13	326002851.07	0.19510
8	0.09731	64.571	1214657118.08	0.83	152996142.01	0.10451
9	0.11121	56.500	813946579.80	0.55	99745283.94	0.06882
10	0.12511	50.222	700499322.48	0.46	73892118.61	0.04837
11	0.13901	45.200	567049549.82	0.38	56457995.29	0.03724
12	0.15291	41.091	421186603.11	0.27	42352112.47	0.02853
13	0.16681	37.667	365869665.88	0.25	33468589.34	0.02248
14	0.18071	34.769	289990146.28	0.19	28084148.28	0.01881
15	0.19461	32.286	222665028.84	0.16	23285212.21	0.01578
16	0.20851	30.133	194047060.06	0.14	19361543.86	0.01332
17	0.22241	28.250	209954321.60	0.15	16698793.60	0.01173
18	0.23631	26.588	204980642.92	0.14	14599351.06	0.01028
19	0.25022	25.111	157752439.18	0.11	13215232.70	0.00935
20	0.26412	23.789	123293114.87	0.10	12328968.27	0.00859
21	0.27802	22.600	120036642.56	0.09	11575960.27	0.00798
22	0.29192	21.524	128428309.48	0.08	10446344.33	0.00723
23	0.30582	20.545	133450047.72	0.09	9228925.62	0.00652
24	0.31972	19.652	122430882.89	0.08	8480444.08	0.00601
25	0.33362	18.833	108883861.42	0.07	8139846.65	0.00562
26	0.34752	18.080	82197768.20	0.06	7767944.45	0.00529
27	0.36142	17.385	67293830.62	0.06	7149339.28	0.00490
28	0.37532	16.741	73101171.57	0.05	6397275.74	0.00446
29	0.38922	16.143	84772453.68	0.05	5734813.30	0.00412
30	0.40312	15.586	77975494.56	0.05	5204184.50	0.00374
31	0.41703	15.067	58465712.38	0.04	4971579.93	0.00349
32	0.43093	14.581	48393666.07	0.04	4888644.94	0.00328
33	0.44483	14.125	47508146.05	0.04	4658560.05	0.00306
34	0.45873	13.697	48871157.83	0.03	4192079.74	0.00277
35	0.47263	13.294	55890810.87	0.03	3766206.87	0.00252
36	0.48653	12.914	57914104.43	0.03	3567822.29	0.00238
37	0.50043	12.556	47079183.33	0.03	3490361.67	0.00225
38	0.51433	12.216	32014773.02	0.02	3403439.87	0.00212
39	0.52823	11.895	29810408.28	0.02	3251088.07	0.00202
40	0.54213	11.590	36028944.26	0.02	2991680.02	0.00191
41	0.55603	11.300	39633076.99	0.02	2676416.70	0.00177
42	0.56993	11.024	37677522.26	0.02	2498806.48	0.00167
43	0.58384	10.762	31640575.03	0.02	2508176.11	0.00165
44	0.59774	10.512	26552451.72	0.02	2536613.09	0.00162
45	0.61164	10.273	22258663.01	0.02	2437283.36	0.00157
46	0.62554	10.044	26991940.27	0.02	2247839.20	0.00150
47	0.63944	9.826	33074452.94	0.02	2086308.94	0.00144
48	0.65334	9.617	33026555.38	0.02	1996378.99	0.00138
49	0.66724	9.417	24795016.79	0.02	1976929.60	0.00133
50	0.68114	9.224	18207447.03	0.01	2000289.74	0.00133
51	0.69504	9.040	19408880.57	0.02	1956819.95	0.00129
52	0.70894	8.863	21469736.24	0.01	1811818.16	0.00123
53	0.72284	8.692	24352777.52	0.02	1643011.90	0.00115
54	0.73675	8.528	24900633.56	0.02	1576337.12	0.00110
55	0.75065	8.370	22075621.86	0.01	1596764.29	0.00109
56	0.76455	8.218	16675137.63	0.01	1590705.42	0.00105

## Spectral Density Estimates: (Population 1541-1992)

PER. 58

Spectral Window: 7 (Rec)

RAW + Log of Data

10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	220956785342.90	14449.01	2800665964.10	1.96895
2	0.01390	452.000	64535692265.04	47.87	2764577744.82	1.94873
3	0.02780	226.000	19987784425.64	10.51	2562299013.89	1.84535
4	0.04170	150.667	6388399828.39	4.28	1848985800.30	1.31402
5	0.05560	113.000	3213914260.24	2.51	1129138961.34	0.77928
6	0.06950	90.400	2194417924.33	1.42	404736760.75	0.24139
7	0.08341	75.333	1789384821.81	1.13	185474849.11	0.12704
8	0.09731	64.571	1214657118.08	0.83	119296515.38	0.08262
9	0.11121	56.500	813946579.80	0.55	87548200.28	0.05718
10	0.12511	50.222	700499322.48	0.46	66760879.28	0.04385
11	0.13901	45.200	567049549.82	0.38	49715445.40	0.03322
12	0.15291	41.091	421186603.11	0.27	38438270.80	0.02562
13	0.16681	37.667	365869665.88	0.25	31391122.74	0.02097
14	0.18071	34.769	289990146.28	0.19	25814504.05	0.01745
15	0.19461	32.286	222665028.84	0.16	21698428.60	0.01473
16	0.20851	30.133	194047060.06	0.14	18703653.64	0.01296
17	0.22241	28.250	209954321.60	0.15	15945992.42	0.01126
18	0.23631	26.588	204980642.92	0.14	14013925.26	0.01007
19	0.25022	25.111	157752439.18	0.11	12942622.42	0.00919
20	0.26412	23.789	123293114.87	0.10	12253742.85	0.00856
21	0.27802	22.600	120036642.56	0.09	11258758.00	0.00777
22	0.29192	21.524	128428309.48	0.08	10166309.58	0.00706
23	0.30582	20.545	133450047.72	0.09	9307388.20	0.00646
24	0.31972	19.652	122430882.89	0.08	8670776.57	0.00598
25	0.33362	18.833	108883861.42	0.07	8137204.26	0.00560
26	0.34752	18.080	82197768.20	0.06	7640915.32	0.00527
27	0.36142	17.385	67293830.62	0.06	7010268.94	0.00486
28	0.37532	16.741	73101171.57	0.05	6283099.43	0.00444
29	0.38922	16.143	84772453.68	0.05	5595434.17	0.00402
30	0.40312	15.586	77975494.56	0.05	5201075.26	0.00377
31	0.41703	15.067	58465712.38	0.04	4991642.44	0.00349
32	0.43093	14.581	48393666.07	0.04	4795991.44	0.00323
33	0.44483	14.125	47508146.05	0.04	4490660.08	0.00298
34	0.45873	13.697	48871157.83	0.03	4139424.32	0.00272
35	0.47263	13.294	55890810.87	0.03	3838724.48	0.00253
36	0.48653	12.914	57914104.43	0.03	3627466.10	0.00237
37	0.50043	12.556	47079183.33	0.03	3496968.12	0.00221
38	0.51433	12.216	32014773.02	0.02	3391947.68	0.00210
39	0.52823	11.895	29810408.28	0.02	3184895.18	0.00199
40	0.54213	11.590	36028944.26	0.02	2886212.18	0.00186
41	0.55603	11.300	39633076.99	0.02	2652859.98	0.00176
42	0.56993	11.024	37677522.26	0.02	2541950.47	0.00169
43	0.58384	10.762	31640575.03	0.02	2509909.53	0.00163
44	0.59774	10.512	26552451.72	0.02	2476322.25	0.00159
45	0.61164	10.273	22258663.01	0.02	2401217.93	0.00157
46	0.62554	10.044	26991940.27	0.02	2254766.89	0.00151
47	0.63944	9.826	33074452.94	0.02	2102056.27	0.00143
48	0.65334	9.617	33026555.38	0.02	2020846.65	0.00138
49	0.66724	9.417	24795016.79	0.02	2011877.97	0.00136
50	0.68114	9.224	18207447.03	0.01	1981875.41	0.00132
51	0.69504	9.040	19408880.57	0.02	1888953.71	0.00127
52	0.70894	8.863	21469736.24	0.01	1764461.20	0.00121
53	0.72284	8.692	24352777.52	0.02	1672152.71	0.00116
54	0.73675	8.528	24900633.56	0.02	1623582.82	0.00111
55	0.75065	8.370	22075621.86	0.01	1599088.84	0.00107
56	0.76455	8.218	16675137.63	0.01	1588265.95	0.00106

Spectral Density Estimates: (Population 1541-1992) **PER. 59**  
 Spectral Window: 7 (Tri)  
 RAW+Log of Data 10:10 Friday, October 7, 1994  
 RAW LOG RAW LOG  
 P\_01 P\_02 S\_01 S\_02

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	220956785342.90	14449.01	3670932934.12	2.63251
2	0.01390	452.000	64535692265.04	47.87	3365943431.35	2.40690
3	0.02780	226.000	19987784425.64	10.51	2461692960.18	1.73351
4	0.04170	150.667	6388399828.39	4.28	1466931074.85	1.01344
5	0.05560	113.000	3213914260.24	2.51	735638011.15	0.49296
6	0.06950	90.400	2194417924.33	1.42	297397990.22	0.18838
7	0.08341	75.333	1789384821.81	1.13	161787889.30	0.11000
8	0.09731	64.571	1214657118.08	0.83	110609805.64	0.07457
9	0.11121	56.500	813946579.80	0.55	81217408.61	0.05352
10	0.12511	50.222	700499322.48	0.46	61532919.83	0.04067
11	0.13901	45.200	567049549.82	0.38	47236867.47	0.03132
12	0.15291	41.091	421186603.11	0.27	37307383.91	0.02465
13	0.16681	37.667	365869665.88	0.25	30194599.53	0.02014
14	0.18071	34.769	289990146.28	0.19	24534907.58	0.01663
15	0.19461	32.286	222665028.84	0.16	20494118.20	0.01415
16	0.20851	30.133	194047060.06	0.14	17843308.17	0.01250
17	0.22241	28.250	209954321.60	0.15	15970296.29	0.01124
18	0.23631	26.588	204980642.92	0.14	14425529.87	0.01021
19	0.25022	25.111	157752439.18	0.11	12922825.97	0.00920
20	0.26412	23.789	123293114.87	0.10	11622100.62	0.00830
21	0.27802	22.600	120036642.56	0.09	10668988.13	0.00752
22	0.29192	21.524	128428309.48	0.08	10107620.11	0.00695
23	0.30582	20.545	133450047.72	0.09	9697060.31	0.00653
24	0.31972	19.652	122430882.89	0.08	9078336.65	0.00608
25	0.33362	18.833	108883861.42	0.07	8218555.54	0.00563
26	0.34752	18.080	82197768.20	0.06	7294323.50	0.00515
27	0.36142	17.385	67293830.62	0.06	6579023.44	0.00475
28	0.37532	16.741	73101171.57	0.05	6148849.96	0.00442
29	0.38922	16.143	84772453.68	0.05	5841137.28	0.00411
30	0.40312	15.586	77975494.56	0.05	5468007.44	0.00381
31	0.41703	15.067	58465712.38	0.04	4971124.38	0.00345
32	0.43093	14.581	48393666.07	0.04	4505342.26	0.00315
33	0.44483	14.125	47508146.05	0.04	4209795.97	0.00291
34	0.45873	13.697	48871157.83	0.03	4097453.65	0.00271
35	0.47263	13.294	55890810.87	0.03	4046027.65	0.00256
36	0.48653	12.914	57914104.43	0.03	3877694.88	0.00240
37	0.50043	12.556	47079183.33	0.03	3553163.48	0.00222
38	0.51433	12.216	32014773.02	0.02	3193731.67	0.00205
39	0.52823	11.895	29810408.28	0.02	2946300.84	0.00193
40	0.54213	11.590	36028944.26	0.02	2837685.79	0.00184
41	0.55603	11.300	39633076.99	0.02	2790786.40	0.00178
42	0.56993	11.024	37677522.26	0.02	2694507.65	0.00172
43	0.58384	10.762	31640575.03	0.02	2516918.98	0.00164
44	0.59774	10.512	26552451.72	0.02	2337359.32	0.00157
45	0.61164	10.273	22258663.01	0.02	2237131.43	0.00151
46	0.62554	10.044	26991940.27	0.02	2235931.56	0.00149
47	0.63944	9.826	33074452.94	0.02	2244186.94	0.00147
48	0.65334	9.617	33026555.38	0.02	2177343.81	0.00144
49	0.66724	9.417	24795016.79	0.02	2020822.23	0.00137
50	0.68114	9.224	18207447.03	0.01	1849486.35	0.00129
51	0.69504	9.040	19408880.57	0.02	1755130.12	0.00124
52	0.70894	8.863	21469736.24	0.01	1742004.16	0.00120
53	0.72284	8.692	24352777.52	0.02	1762510.73	0.00118
54	0.73675	8.528	24900633.56	0.02	1733403.12	0.00115
55	0.75065	8.370	22075621.86	0.01	1632976.48	0.00109
56	0.76455	8.218	16675137.63	0.01	1511538.12	0.00103



Spectral Density Estimates: (Population 1541-1992) **PER. 60**  
 Spectral Window: 5 (Rec)  
 Raw Log of Data 10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW	LOG	RAW	LOG
			P_01	P_02	S_01	S_02
1	0.00000	.	220956785342.90	14449.01	3717583267.51	2.62017
2	0.01390	452.000	64535692265.04	47.87	3501142339.34	2.52101
3	0.02780	226.000	19987784425.64	10.51	2525175930.48	1.79906
4	0.04170	150.667	6388399828.39	4.28	1532983733.48	1.05983
5	0.05560	113.000	3213914260.24	2.51	534345234.45	0.31596
6	0.06950	90.400	2194417924.33	1.42	235561633.62	0.16182
7	0.08341	75.333	1789384821.81	1.13	146841454.66	0.10243
8	0.09731	64.571	1214657118.08	0.83	106839213.52	0.06980
9	0.11121	56.500	813946579.80	0.55	80938841.42	0.05318
10	0.12511	50.222	700499322.48	0.46	59163290.46	0.03949
11	0.13901	45.200	567049549.82	0.38	45654418.59	0.03023
12	0.15291	41.091	421186603.11	0.27	37315392.96	0.02452
13	0.16681	37.667	365869665.88	0.25	29710423.98	0.01984
14	0.18071	34.769	289990146.28	0.19	23773904.97	0.01613
15	0.19461	32.286	222665028.84	0.16	20412038.80	0.01418
16	0.20851	30.133	194047060.06	0.14	17851410.47	0.01241
17	0.22241	28.250	209954321.60	0.15	15746781.99	0.01113
18	0.23631	26.588	204980642.92	0.14	14165228.86	0.01013
19	0.25022	25.111	157752439.18	0.11	12987316.48	0.00925
20	0.26412	23.789	123293114.87	0.10	11689789.70	0.00827
21	0.27802	22.600	120036642.56	0.09	10551344.92	0.00749
22	0.29192	21.524	128428309.48	0.08	9989184.89	0.00690
23	0.30582	20.545	133450047.72	0.09	9759854.50	0.00652
24	0.31972	19.652	122430882.89	0.08	9157630.11	0.00608
25	0.33362	18.833	108883861.42	0.07	8184644.66	0.00564
26	0.34752	18.080	82197768.20	0.06	7224162.47	0.00512
27	0.36142	17.385	67293830.62	0.06	6624809.95	0.00478
28	0.37532	16.741	73101171.57	0.05	6132888.01	0.00441
29	0.38922	16.143	84772453.68	0.05	5755180.62	0.00408
30	0.40312	15.586	77975494.56	0.05	5454375.15	0.00378
31	0.41703	15.067	58465712.38	0.04	5047049.50	0.00351
32	0.43093	14.581	48393666.07	0.04	4475662.63	0.00314
33	0.44483	14.125	47508146.05	0.04	4124173.97	0.00284
34	0.45873	13.697	48871157.83	0.03	4115394.86	0.00272
35	0.47263	13.294	55890810.87	0.03	4094474.22	0.00260
36	0.48653	12.914	57914104.43	0.03	3847889.53	0.00235
37	0.50043	12.556	47079183.33	0.03	3544528.28	0.00221
38	0.51433	12.216	32014773.02	0.02	3228416.85	0.00207
39	0.52823	11.895	29810408.28	0.02	2937465.26	0.00192
40	0.54213	11.590	36028944.26	0.02	2787833.18	0.00181
41	0.55603	11.300	39633076.99	0.02	2781877.63	0.00179
42	0.56993	11.024	37677522.26	0.02	2730025.65	0.00174
43	0.58384	10.762	31640575.03	0.02	2510864.81	0.00162
44	0.59774	10.512	26552451.72	0.02	2309674.87	0.00156
45	0.61164	10.273	22258663.01	0.02	2236414.75	0.00152
46	0.62554	10.044	26991940.27	0.02	2258473.31	0.00150
47	0.63944	9.826	33074452.94	0.02	2230502.87	0.00146
48	0.65334	9.617	33026555.38	0.02	2166025.76	0.00143
49	0.66724	9.417	24795016.79	0.02	2045337.62	0.00139
50	0.68114	9.224	18207447.03	0.01	1860642.82	0.00130
51	0.69504	9.040	19408880.57	0.02	1722595.35	0.00122
52	0.70894	8.863	21469736.24	0.01	1724276.30	0.00119
53	0.72284	8.692	24352777.52	0.02	1785840.21	0.00119
54	0.73675	8.528	24900633.56	0.02	1742331.34	0.00114
55	0.75065	8.370	22075621.86	0.01	1622412.55	0.00108
56	0.76455	8.218	16675137.63	0.01	1509436.42	0.00103

PER. 61

Spectral Density Estimates: (Population 1541-1992)  
 Spectral Window: 5 (Tri)  
 (RAW) Log of Data 10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	220956785342.90	14449.01	4347807244.14	3.14861
2	0.01390	452.000	64535692265.04	47.87	3833672298.65	2.76325
3	0.02780	226.000	19987784425.64	10.51	2383443807.30	1.64652
4	0.04170	150.667	6388399828.39	4.28	1169777399.50	0.77966
5	0.05560	113.000	3213914260.24	2.51	429581716.55	0.27027
6	0.06950	90.400	2194417924.33	1.42	213912279.81	0.14715
7	0.08341	75.333	1789384821.81	1.13	143364698.33	0.09676
8	0.09731	64.571	1214657118.08	0.83	103853475.85	0.06830
9	0.11121	56.500	813946579.80	0.55	76293459.54	0.05067
10	0.12511	50.222	700499322.48	0.46	57466729.14	0.03819
11	0.13901	45.200	567049549.82	0.38	45309084.62	0.02985
12	0.15291	41.091	421186603.11	0.27	36427805.22	0.02388
13	0.16681	37.667	365869665.88	0.25	29263970.36	0.01949
14	0.18071	34.769	289990146.28	0.19	23539665.89	0.01599
15	0.19461	32.286	222665028.84	0.16	19557432.33	0.01370
16	0.20851	30.133	194047060.06	0.14	17174150.58	0.01214
17	0.22241	28.250	209954321.60	0.15	15989199.31	0.01123
18	0.23631	26.588	204980642.92	0.14	14745666.80	0.01033
19	0.25022	25.111	157752439.18	0.11	12907428.72	0.00921
20	0.26412	23.789	123293114.87	0.10	11130823.33	0.00811
21	0.27802	22.600	120036642.56	0.09	10210278.23	0.00733
22	0.29192	21.524	128428309.48	0.08	10061972.74	0.00687
23	0.30582	20.545	133450047.72	0.09	10000138.61	0.00658
24	0.31972	19.652	122430882.89	0.08	9395327.84	0.00615
25	0.33362	18.833	108883861.42	0.07	8281828.75	0.00565
26	0.34752	18.080	82197768.20	0.06	7024752.08	0.00506
27	0.36142	17.385	67293830.62	0.06	6243610.28	0.00466
28	0.37532	16.741	73101171.57	0.05	6044433.70	0.00440
29	0.38922	16.143	84772453.68	0.05	6032239.69	0.00417
30	0.40312	15.586	77975494.56	0.05	5675621.36	0.00384
31	0.41703	15.067	58465712.38	0.04	4955165.88	0.00343
32	0.43093	14.581	48393666.07	0.04	4279281.78	0.00309
33	0.44483	14.125	47508146.05	0.04	3991346.10	0.00285
34	0.45873	13.697	48871157.83	0.03	4064809.80	0.00269
35	0.47263	13.294	55890810.87	0.03	4207263.45	0.00258
36	0.48653	12.914	57914104.43	0.03	4072317.27	0.00242
37	0.50043	12.556	47079183.33	0.03	3596870.98	0.00223
38	0.51433	12.216	32014773.02	0.02	3039563.66	0.00201
39	0.52823	11.895	29810408.28	0.02	2760727.46	0.00188
40	0.54213	11.590	36028944.26	0.02	2799943.05	0.00182
41	0.55603	11.300	39633076.99	0.02	2898062.50	0.00179
42	0.56993	11.024	37677522.26	0.02	2813163.24	0.00175
43	0.58384	10.762	31640575.03	0.02	2522370.77	0.00164
44	0.59774	10.512	26552451.72	0.02	2229277.04	0.00155
45	0.61164	10.273	22258663.01	0.02	2109508.59	0.00146
46	0.62554	10.044	26991940.27	0.02	2221281.86	0.00148
47	0.63944	9.826	33074452.94	0.02	2354733.02	0.00150
48	0.65334	9.617	33026555.38	0.02	2299063.83	0.00148
49	0.66724	9.417	24795016.79	0.02	2027778.88	0.00138
50	0.68114	9.224	18207447.03	0.01	1746517.07	0.00127
51	0.69504	9.040	19408880.57	0.02	1651045.11	0.00121
52	0.70894	8.863	21469736.24	0.01	1724537.58	0.00118
53	0.72284	8.692	24352777.52	0.02	1832789.20	0.00119
54	0.73675	8.528	24900633.56	0.02	1818818.92	0.00117
55	0.75065	8.370	22075621.86	0.01	1659333.54	0.00111
56	0.76455	8.218	16675137.63	0.01	1451860.91	0.00101

## Spectral Density Estimates: (Population 1541-1992)

PER.62

Spectral Window: 3 (Rec)

RAW+Log of Data

10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000		220956785342.90	14449.01	5135587214.92	3.80915
2	0.01390	452.000	64535692265.04	47.87	3953917258.75	2.81834
3	0.02780	226.000	19987784425.64	10.51	2411512422.30	1.66214
4	0.04170	150.667	6388399828.39	4.28	784901740.85	0.45855
5	0.05560	113.000	3213914260.24	2.51	312918035.37	0.21775
6	0.06950	90.400	2194417924.33	1.42	190925373.42	0.13407
7	0.08341	75.333	1789384821.81	1.13	137893430.64	0.08961
8	0.09731	64.571	1214657118.08	0.83	101275290.93	0.06658
9	0.11121	56.500	813946579.80	0.55	72391705.98	0.04871
10	0.12511	50.222	700499322.48	0.46	55213381.70	0.03670
11	0.13901	45.200	567049549.82	0.38	44795099.75	0.02917
12	0.15291	41.091	421186603.11	0.27	35918772.42	0.02367
13	0.16681	37.667	365869665.88	0.25	28569543.49	0.01861
14	0.18071	34.769	289990146.28	0.19	23303595.18	0.01597
15	0.19461	32.286	222665028.84	0.16	18745859.00	0.01320
16	0.20851	30.133	194047060.06	0.14	16622842.82	0.01193
17	0.22241	28.250	209954321.60	0.15	16153749.91	0.01128
18	0.23631	26.588	204980642.92	0.14	15191005.19	0.01047
19	0.25022	25.111	157752439.18	0.11	12892245.29	0.00923
20	0.26412	23.789	123293114.87	0.10	10639035.70	0.00794
21	0.27802	22.600	120036642.56	0.09	9861189.00	0.00716
22	0.29192	21.524	128428309.48	0.08	10130610.01	0.00668
23	0.30582	20.545	133450047.72	0.09	10194119.21	0.00656
24	0.31972	19.652	122430882.89	0.08	9675686.62	0.00632
25	0.33362	18.833	108883861.42	0.07	8316177.68	0.00559
26	0.34752	18.080	82197768.20	0.06	6853621.94	0.00506
27	0.36142	17.385	67293830.62	0.06	5904456.62	0.00454
28	0.37532	16.741	73101171.57	0.05	5972752.27	0.00439
29	0.38922	16.143	84772453.68	0.05	6256092.21	0.00427
30	0.40312	15.586	77975494.56	0.05	5867874.59	0.00386
31	0.41703	15.067	58465712.38	0.04	4902897.28	0.00339
32	0.43093	14.581	48393666.07	0.04	4094725.76	0.00303
33	0.44483	14.125	47508146.05	0.04	3840222.30	0.00283
34	0.45873	13.697	48871157.83	0.03	4039090.24	0.00270
35	0.47263	13.294	55890810.87	0.03	4315116.86	0.00255
36	0.48653	12.914	57914104.43	0.03	4267583.26	0.00243
37	0.50043	12.556	47079183.33	0.03	3634251.69	0.00222
38	0.51433	12.216	32014773.02	0.02	2888777.99	0.00198
39	0.52823	11.895	29810408.28	0.02	2595661.30	0.00183
40	0.54213	11.590	36028944.26	0.02	2797743.09	0.00183
41	0.55603	11.300	39633076.99	0.02	3006424.77	0.00181
42	0.56993	11.024	37677522.26	0.02	2890019.66	0.00174
43	0.58384	10.762	31640575.03	0.02	2543045.30	0.00169
44	0.59774	10.512	26552451.72	0.02	2134047.35	0.00150
45	0.61164	10.273	22258663.01	0.02	2010738.48	0.00145
46	0.62554	10.044	26991940.27	0.02	2183739.94	0.00144
47	0.63944	9.826	33074452.94	0.02	2469367.16	0.00155
48	0.65334	9.617	33026555.38	0.02	2411091.95	0.00151
49	0.66724	9.417	24795016.79	0.02	2016732.37	0.00137
50	0.68114	9.224	18207447.03	0.01	1655512.33	0.00126
51	0.69504	9.040	19408880.57	0.02	1567306.52	0.00117
52	0.70894	8.863	21469736.24	0.01	1730316.48	0.00119
53	0.72284	8.692	24352777.52	0.02	1875989.75	0.00119
54	0.73675	8.528	24900633.56	0.02	1892061.36	0.00120
55	0.75065	8.370	22075621.86	0.01	1688405.64	0.00113
56	0.76455	8.218	16675137.63	0.01	1397533.61	0.00099

## Spectral Density Estimates: (Population 1541-1992)

PER.63

Spectral Window: 3 (Tri)

RAW Log of Data

10:10 Friday, October 7, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	220956785342.90	14449.01	5135587214.92	3.80916
2	0.01390	452.000	64535692265.04	47.87	4249334747.79	3.06604
3	0.02780	226.000	19987784425.64	10.51	2206278653.32	1.45585
4	0.04170	150.667	6388399828.39	4.28	715769482.03	0.42946
5	0.05560	113.000	3213914260.24	2.51	298627319.17	0.21317
6	0.06950	90.400	2194417924.33	1.42	186850587.55	0.12881
7	0.08341	75.333	1789384821.81	1.13	139018752.92	0.08966
8	0.09731	64.571	1214657118.08	0.83	100121303.76	0.06644
9	0.11121	56.500	813946579.80	0.55	70486732.19	0.04752
10	0.12511	50.222	700499322.48	0.46	55346027.50	0.03658
11	0.13901	45.200	567049549.82	0.38	44877417.16	0.02937
12	0.15291	41.091	421186603.11	0.27	35318320.55	0.02309
13	0.16681	37.667	365869665.88	0.25	28705903.35	0.01904
14	0.18071	34.769	289990146.28	0.19	23246867.04	0.01582
15	0.19461	32.286	222665028.84	0.16	18489174.25	0.01310
16	0.20851	30.133	194047060.06	0.14	16327575.71	0.01180
17	0.22241	28.250	209954321.60	0.15	16292220.95	0.01135
18	0.23631	26.588	204980642.92	0.14	15471214.21	0.01058
19	0.25022	25.111	157752439.18	0.11	12807569.03	0.00916
20	0.26412	23.789	123293114.87	0.10	10432115.36	0.00791
21	0.27802	22.600	120036642.56	0.09	9783944.87	0.00712
22	0.29192	21.524	128428309.48	0.08	10152957.54	0.00682
23	0.30582	20.545	133450047.72	0.09	10300493.75	0.00666
24	0.31972	19.652	122430882.89	0.08	9692449.99	0.00625
25	0.33362	18.833	108883861.42	0.07	8403308.86	0.00567
26	0.34752	18.080	82197768.20	0.06	6775489.10	0.00499
27	0.36142	17.385	67293830.62	0.06	5767110.69	0.00452
28	0.37532	16.741	73101171.57	0.05	5933865.80	0.00438
29	0.38922	16.143	84772453.68	0.05	6378563.54	0.00429
30	0.40312	15.586	77975494.56	0.05	5952179.12	0.00392
31	0.41703	15.067	58465712.38	0.04	4840311.35	0.00333
32	0.43093	14.581	48393666.07	0.04	4033805.72	0.00301
33	0.44483	14.125	47508146.05	0.04	3825311.26	0.00288
34	0.45873	13.697	48871157.83	0.03	4001578.47	0.00266
35	0.47263	13.294	55890810.87	0.03	4348250.00	0.00255
36	0.48653	12.914	57914104.43	0.03	4352851.94	0.00250
37	0.50043	12.556	47079183.33	0.03	3662299.36	0.00224
38	0.51433	12.216	32014773.02	0.02	2803497.17	0.00193
39	0.52823	11.895	29810408.28	0.02	2539805.20	0.00184
40	0.54213	11.590	36028944.26	0.02	2815080.39	0.00184
41	0.55603	11.300	39633076.99	0.02	3043293.59	0.00180
42	0.56993	11.024	37677522.26	0.02	2917085.23	0.00176
43	0.58384	10.762	31640575.03	0.02	2536753.21	0.00168
44	0.59774	10.512	26552451.72	0.02	2128779.76	0.00153
45	0.61164	10.273	22258663.01	0.02	1950875.89	0.00140
46	0.62554	10.044	26991940.27	0.02	2174792.54	0.00145
47	0.63944	9.826	33074452.94	0.02	2510020.70	0.00156
48	0.65334	9.617	33026555.38	0.02	2465361.41	0.00153
49	0.66724	9.417	24795016.79	0.02	2005830.46	0.00137
50	0.68114	9.224	18207447.03	0.01	1603859.89	0.00123
51	0.69504	9.040	19408880.57	0.02	1561607.30	0.00119
52	0.70894	8.863	21469736.24	0.01	1724864.19	0.00118
53	0.72284	8.692	24352777.52	0.02	1891475.43	0.00119
54	0.73675	8.528	24900633.56	0.02	1914428.39	0.00120
55	0.75065	8.370	22075621.86	0.01	1705484.77	0.00113
56	0.76455	8.218	16675137.63	0.01	1379891.53	0.00100

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 11 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 64

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.172030311
2	0.01390	452.000	7.05084	0.172095588
3	0.02780	226.000	1.03671	0.171689355
4	0.04170	150.667	0.15144	0.170684382
5	0.05560	113.000	0.09049	0.163263312
6	0.06950	90.400	0.03497	0.112328777
7	0.08341	75.333	0.04400	0.061339720
8	0.09731	64.571	0.03434	0.010367379
9	0.11121	56.500	0.01252	0.002882888
10	0.12511	50.222	0.01090	0.001800615
11	0.13901	45.200	0.01016	0.001155687
12	0.15291	41.091	0.00262	0.000928977
13	0.16681	37.667	0.00493	0.000644263
14	0.18071	34.769	0.00213	0.000419168
15	0.19461	32.286	0.00184	0.000342020
16	0.20851	30.133	0.00134	0.000275498
17	0.22241	28.250	0.00363	0.000216072
18	0.23631	26.588	0.00464	0.000225132
19	0.25022	25.111	0.00322	0.000208837
20	0.26412	23.789	0.00186	0.000219513
21	0.27802	22.600	0.00170	0.000217756
22	0.29192	21.524	0.00194	0.000219446
23	0.30582	20.545	0.00387	0.000210845
24	0.31972	19.652	0.00268	0.000195650
25	0.33362	18.833	0.00361	0.000189368
26	0.34752	18.080	0.00159	0.000180899
27	0.36142	17.385	0.00158	0.000173616
28	0.37532	16.741	0.00245	0.000169130
29	0.38922	16.143	0.00254	0.000146459
30	0.40312	15.586	0.00236	0.000134416
31	0.41703	15.067	0.00069	0.000115538
32	0.43093	14.581	0.00069	0.000109674
33	0.44483	14.125	0.00132	0.000099389
34	0.45873	13.697	0.00074	0.000083667
35	0.47263	13.294	0.00102	0.000069970
36	0.48653	12.914	0.00100	0.000055626
37	0.50043	12.556	0.00078	0.000055319
38	0.51433	12.216	0.00016	0.000053788
39	0.52823	11.895	0.00027	0.000047619
40	0.54213	11.590	0.00065	0.000042601
41	0.55603	11.300	0.00037	0.000038507
42	0.56993	11.024	0.00065	0.000037088
43	0.58384	10.762	0.00048	0.000038516
44	0.59774	10.512	0.00047	0.000042217
45	0.61164	10.273	0.00005	0.000041450
46	0.62554	10.044	0.00045	0.000039945
47	0.63944	9.826	0.00080	0.000039706
48	0.65334	9.617	0.00098	0.000038650
49	0.66724	9.417	0.00067	0.000039759
50	0.68114	9.224	0.00017	0.000040390
51	0.69504	9.040	0.00044	0.000042178
52	0.70894	8.863	0.00034	0.000039604
53	0.72284	8.692	0.00050	0.000035781
54	0.73675	8.528	0.00064	0.000032923
55	0.75065	8.370	0.00056	0.000030328

## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 11 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 65

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.270668932
2	0.01390	452.000	7.05084	0.255180399
3	0.02780	226.000	1.03671	0.208673507
4	0.04170	150.667	0.15144	0.157811055
5	0.05560	113.000	0.09049	0.106637933
6	0.06950	90.400	0.03497	0.057378841
7	0.08341	75.333	0.04400	0.023556716
8	0.09731	64.571	0.03434	0.005136775
9	0.11121	56.500	0.01252	0.002155518
10	0.12511	50.222	0.01090	0.001414596
11	0.13901	45.200	0.01016	0.000963227
12	0.15291	41.091	0.00262	0.000675014
13	0.16681	37.667	0.00493	0.000462772
14	0.18071	34.769	0.00213	0.000333101
15	0.19461	32.286	0.00184	0.000274027
16	0.20851	30.133	0.00134	0.000238271
17	0.22241	28.250	0.00363	0.000224959
18	0.23631	26.588	0.00464	0.000226598
19	0.25022	25.111	0.00322	0.000219444
20	0.26412	23.789	0.00186	0.000216913
21	0.27802	22.600	0.00170	0.000214398
22	0.29192	21.524	0.00194	0.000211910
23	0.30582	20.545	0.00387	0.000209204
24	0.31972	19.652	0.00268	0.000203018
25	0.33362	18.833	0.00361	0.000200445
26	0.34752	18.080	0.00159	0.000190578
27	0.36142	17.385	0.00158	0.000179303
28	0.37532	16.741	0.00245	0.000167745
29	0.38922	16.143	0.00254	0.000151307
30	0.40312	15.586	0.00236	0.000134451
31	0.41703	15.067	0.00069	0.000115309
32	0.43093	14.581	0.00069	0.000102830
33	0.44483	14.125	0.00132	0.000091149
34	0.45873	13.697	0.00074	0.000077704
35	0.47263	13.294	0.00102	0.000067820
36	0.48653	12.914	0.00100	0.000059882
37	0.50043	12.556	0.00078	0.000054174
38	0.51433	12.216	0.00016	0.000047587
39	0.52823	11.895	0.00027	0.000042890
40	0.54213	11.590	0.00065	0.000040017
41	0.55603	11.300	0.00037	0.000036919
42	0.56993	11.024	0.00065	0.000036188
43	0.58384	10.762	0.00048	0.000036975
44	0.59774	10.512	0.00047	0.000038835
45	0.61164	10.273	0.00005	0.000039323
46	0.62554	10.044	0.00045	0.000041175
47	0.63944	9.826	0.00080	0.000043217
48	0.65334	9.617	0.00098	0.000043651
49	0.66724	9.417	0.00067	0.000042578
50	0.68114	9.224	0.00017	0.000040858
51	0.69504	9.040	0.00044	0.000040093
52	0.70894	8.863	0.00034	0.000037702
53	0.72284	8.692	0.00050	0.000035406
54	0.73675	8.528	0.00064	0.000033965
55	0.75065	8.370	0.00056	0.000032564

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 66

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.209640813
2	0.01390	452.000	7.05084	0.209149917
3	0.02780	226.000	1.03671	0.208199901
4	0.04170	150.667	0.15144	0.199336975
5	0.05560	113.000	0.09049	0.137104560
6	0.06950	90.400	0.03497	0.074857765
7	0.08341	75.333	0.04400	0.012604443
8	0.09731	64.571	0.03434	0.003461084
9	0.11121	56.500	0.01252	0.002165671
10	0.12511	50.222	0.01090	0.001384379
11	0.13901	45.200	0.01016	0.001091400
12	0.15291	41.091	0.00262	0.000714267
13	0.16681	37.667	0.00493	0.000442789
14	0.18071	34.769	0.00213	0.000373089
15	0.19461	32.286	0.00184	0.000305243
16	0.20851	30.133	0.00134	0.000231857
17	0.22241	28.250	0.00363	0.000223716
18	0.23631	26.588	0.00464	0.000197290
19	0.25022	25.111	0.00322	0.000212715
20	0.26412	23.789	0.00186	0.000220165
21	0.27802	22.600	0.00170	0.000240167
22	0.29192	21.524	0.00194	0.000222130
23	0.30582	20.545	0.00387	0.000195047
24	0.31972	19.652	0.00268	0.000188172
25	0.33362	18.833	0.00361	0.000194193
26	0.34752	18.080	0.00159	0.000199973
27	0.36142	17.385	0.00158	0.000188868
28	0.37532	16.741	0.00245	0.000160752
29	0.38922	16.143	0.00254	0.000148759
30	0.40312	15.586	0.00236	0.000123426
31	0.41703	15.067	0.00069	0.000118305
32	0.43093	14.581	0.00069	0.000113168
33	0.44483	14.125	0.00132	0.000098477
34	0.45873	13.697	0.00074	0.000077395
35	0.47263	13.294	0.00102	0.000058982
36	0.48653	12.914	0.00100	0.000058612
37	0.50043	12.556	0.00078	0.000055764
38	0.51433	12.216	0.00016	0.000049765
39	0.52823	11.895	0.00027	0.000047488
40	0.54213	11.590	0.00065	0.000042674
41	0.55603	11.300	0.00037	0.000034280
42	0.56993	11.024	0.00065	0.000031323
43	0.58384	10.762	0.00048	0.000037022
44	0.59774	10.512	0.00047	0.000043292
45	0.61164	10.273	0.00005	0.000043475
46	0.62554	10.044	0.00045	0.000041656
47	0.63944	9.826	0.00080	0.000039822
48	0.65334	9.617	0.00098	0.000038552
49	0.66724	9.417	0.00067	0.000038803
50	0.68114	9.224	0.00017	0.000044015
51	0.69504	9.040	0.00044	0.000044975
52	0.70894	8.863	0.00034	0.000040502
53	0.72284	8.692	0.00050	0.000032653
54	0.73675	8.528	0.00064	0.000029156
55	0.75065	8.370	0.00056	0.000032870

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 9 (Tri)

PER. 67

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.314069925
2	0.01390	452.000	7.05084	0.291737716
3	0.02780	226.000	1.03671	0.224946533
4	0.04170	150.667	0.15144	0.152146791
5	0.05560	113.000	0.09049	0.081722767
6	0.06950	90.400	0.03497	0.033200869
7	0.08341	75.333	0.04400	0.006932194
8	0.09731	64.571	0.03434	0.002835309
9	0.11121	56.500	0.01252	0.001835475
10	0.12511	50.222	0.01090	0.001244748
11	0.13901	45.200	0.01016	0.000878545
12	0.15291	41.091	0.00262	0.000563270
13	0.16681	37.667	0.00493	0.000382916
14	0.18071	34.769	0.00213	0.000295231
15	0.19461	32.286	0.00184	0.000244110
16	0.20851	30.133	0.00134	0.000221891
17	0.22241	28.250	0.00363	0.000228870
18	0.23631	26.588	0.00464	0.000227243
19	0.25022	25.111	0.00322	0.000224111
20	0.26412	23.789	0.00186	0.000215769
21	0.27802	22.600	0.00170	0.000212921
22	0.29192	21.524	0.00194	0.000208595
23	0.30582	20.545	0.00387	0.000208482
24	0.31972	19.652	0.00268	0.000206260
25	0.33362	18.833	0.00361	0.000205319
26	0.34752	18.080	0.00159	0.000194836
27	0.36142	17.385	0.00158	0.000181806
28	0.37532	16.741	0.00245	0.000167135
29	0.38922	16.143	0.00254	0.000153440
30	0.40312	15.586	0.00236	0.000134466
31	0.41703	15.067	0.00069	0.000115209
32	0.43093	14.581	0.00069	0.000099819
33	0.44483	14.125	0.00132	0.000087524
34	0.45873	13.697	0.00074	0.000075080
35	0.47263	13.294	0.00102	0.000066873
36	0.48653	12.914	0.00100	0.000061754
37	0.50043	12.556	0.00078	0.000053670
38	0.51433	12.216	0.00016	0.000044858
39	0.52823	11.895	0.00027	0.000040808
40	0.54213	11.590	0.00065	0.000038880
41	0.55603	11.300	0.00037	0.000036220
42	0.56993	11.024	0.00065	0.000035792
43	0.58384	10.762	0.00048	0.000036297
44	0.59774	10.512	0.00047	0.000037346
45	0.61164	10.273	0.00005	0.000038386
46	0.62554	10.044	0.00045	0.000041717
47	0.63944	9.826	0.00080	0.000044762
48	0.65334	9.617	0.00098	0.000045852
49	0.66724	9.417	0.00067	0.000043819
50	0.68114	9.224	0.00017	0.000041065
51	0.69504	9.040	0.00044	0.000039176
52	0.70894	8.863	0.00034	0.000036866
53	0.72284	8.692	0.00050	0.000035241
54	0.73675	8.528	0.00064	0.000034423
55	0.75065	8.370	0.00056	0.000033547



## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 7 (Rec)

PER. 68

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.267480728
2	0.01390	452.000	7.05084	0.266787852
3	0.02780	226.000	1.03671	0.255399875
4	0.04170	150.667	0.15144	0.175744564
5	0.05560	113.000	0.09049	0.095979460
6	0.06950	90.400	0.03497	0.015966355
7	0.08341	75.333	0.04400	0.004304674
8	0.09731	64.571	0.03434	0.002698551
9	0.11121	56.500	0.01252	0.001699628
10	0.12511	50.222	0.01090	0.001358126
11	0.13901	45.200	0.01016	0.000882180
12	0.15291	41.091	0.00262	0.000512707
13	0.16681	37.667	0.00493	0.000385616
14	0.18071	34.769	0.00213	0.000303062
15	0.19461	32.286	0.00184	0.000240328
16	0.20851	30.133	0.00134	0.000247165
17	0.22241	28.250	0.00363	0.000212218
18	0.23631	26.588	0.00464	0.000207347
19	0.25022	25.111	0.00322	0.000208555
20	0.26412	23.789	0.00186	0.000237327
21	0.27802	22.600	0.00170	0.000226477
22	0.29192	21.524	0.00194	0.000214717
23	0.30582	20.545	0.00387	0.000196203
24	0.31972	19.652	0.00268	0.000193001
25	0.33362	18.833	0.00361	0.000201465
26	0.34752	18.080	0.00159	0.000208236
27	0.36142	17.385	0.00158	0.000190965
28	0.37532	16.741	0.00245	0.000168316
29	0.38922	16.143	0.00254	0.000135222
30	0.40312	15.586	0.00236	0.000132143
31	0.41703	15.067	0.00069	0.000122633
32	0.43093	14.581	0.00069	0.000106374
33	0.44483	14.125	0.00132	0.000088826
34	0.45873	13.697	0.00074	0.000070970
35	0.47263	13.294	0.00102	0.000064914
36	0.48653	12.914	0.00100	0.000060118
37	0.50043	12.556	0.00078	0.000052412
38	0.51433	12.216	0.00016	0.000048228
39	0.52823	11.895	0.00027	0.000044020
40	0.54213	11.590	0.00065	0.000038187
41	0.55603	11.300	0.00037	0.000034628
42	0.56993	11.024	0.00065	0.000033393
43	0.58384	10.762	0.00048	0.000035408
44	0.59774	10.512	0.00047	0.000037155
45	0.61164	10.273	0.00005	0.000044082
46	0.62554	10.044	0.00045	0.000044325
47	0.63944	9.826	0.00080	0.000040730
48	0.65334	9.617	0.00098	0.000040353
49	0.66724	9.417	0.00067	0.000043680
50	0.68114	9.224	0.00017	0.000044245
51	0.69504	9.040	0.00044	0.000042385
52	0.70894	8.863	0.00034	0.000037573
53	0.72284	8.692	0.00050	0.000033332
54	0.73675	8.528	0.00064	0.000032507
55	0.75065	8.370	0.00056	0.000030611

## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 7 (Tri)

PER. 69

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.372811300
2	0.01390	452.000	7.05084	0.338193353
3	0.02780	226.000	1.03671	0.234366514
4	0.04170	150.667	0.15144	0.125602313
5	0.05560	113.000	0.09049	0.050570508
6	0.06950	90.400	0.03497	0.009768866
7	0.08341	75.333	0.04400	0.003741554
8	0.09731	64.571	0.03434	0.002483310
9	0.11121	56.500	0.01252	0.001649740
10	0.12511	50.222	0.01090	0.001166206
11	0.13901	45.200	0.01016	0.000758814
12	0.15291	41.091	0.00262	0.000478334
13	0.16681	37.667	0.00493	0.000349238
14	0.18071	34.769	0.00213	0.000251436
15	0.19461	32.286	0.00184	0.000209723
16	0.20851	30.133	0.00134	0.000216285
17	0.22241	28.250	0.00363	0.000231769
18	0.23631	26.588	0.00464	0.000244092
19	0.25022	25.111	0.00322	0.000230521
20	0.26412	23.789	0.00186	0.000213296
21	0.27802	22.600	0.00170	0.000197595
22	0.29192	21.524	0.00194	0.000200981
23	0.30582	20.545	0.00387	0.000216039
24	0.31972	19.652	0.00268	0.000216435
25	0.33362	18.833	0.00361	0.000211577
26	0.34752	18.080	0.00159	0.000191947
27	0.36142	17.385	0.00158	0.000177834
28	0.37532	16.741	0.00245	0.000170725
29	0.38922	16.143	0.00254	0.000156072
30	0.40312	15.586	0.00236	0.000140676
31	0.41703	15.067	0.00069	0.000113467
32	0.43093	14.581	0.00069	0.000092310
33	0.44483	14.125	0.00132	0.000081363
34	0.45873	13.697	0.00074	0.000073777
35	0.47263	13.294	0.00102	0.000071312
36	0.48653	12.914	0.00100	0.000063522
37	0.50043	12.556	0.00078	0.000052492
38	0.51433	12.216	0.00016	0.000042097
39	0.52823	11.895	0.00027	0.000037051
40	0.54213	11.590	0.00065	0.000036746
41	0.55603	11.300	0.00037	0.000037312
42	0.56993	11.024	0.00065	0.000038306
43	0.58384	10.762	0.00048	0.000035889
44	0.59774	10.512	0.00047	0.000034002
45	0.61164	10.273	0.00005	0.000035524
46	0.62554	10.044	0.00045	0.000041751
47	0.63944	9.826	0.00080	0.000047542
48	0.65334	9.617	0.00098	0.000049958
49	0.66724	9.417	0.00067	0.000046640
50	0.68114	9.224	0.00017	0.000039405
51	0.69504	9.040	0.00044	0.000035914
52	0.70894	8.863	0.00034	0.000034820
53	0.72284	8.692	0.00050	0.000036696
54	0.73675	8.528	0.00064	0.000037387
55	0.75065	8.370	0.00056	0.000033928

## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 70

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.369652521
2	0.01390	452.000	7.05084	0.355562992
3	0.02780	226.000	1.03671	0.244785559
4	0.04170	150.667	0.15144	0.133124514
5	0.05560	113.000	0.09049	0.021607079
6	0.06950	90.400	0.03497	0.005653811
7	0.08341	75.333	0.04400	0.003442870
8	0.09731	64.571	0.03434	0.002176073
9	0.11121	56.500	0.01252	0.001781139
10	0.12511	50.222	0.01090	0.001122650
11	0.13901	45.200	0.01016	0.000654646
12	0.15291	41.091	0.00262	0.000489234
13	0.16681	37.667	0.00493	0.000345058
14	0.18071	34.769	0.00213	0.000204762
15	0.19461	32.286	0.00184	0.000220881
16	0.20851	30.133	0.00134	0.000216222
17	0.22241	28.250	0.00363	0.000233628
18	0.23631	26.588	0.00464	0.000233961
19	0.25022	25.111	0.00322	0.000239657
20	0.26412	23.789	0.00186	0.000212748
21	0.27802	22.600	0.00170	0.000200560
22	0.29192	21.524	0.00194	0.000191917
23	0.30582	20.545	0.00387	0.000219721
24	0.31972	19.652	0.00268	0.000218026
25	0.33362	18.833	0.00361	0.000212185
26	0.34752	18.080	0.00159	0.000189451
27	0.36142	17.385	0.00158	0.000187210
28	0.37532	16.741	0.00245	0.000167308
29	0.38922	16.143	0.00254	0.000152875
30	0.40312	15.586	0.00236	0.000138830
31	0.41703	15.067	0.00069	0.000120975
32	0.43093	14.581	0.00069	0.000092340
33	0.44483	14.125	0.00132	0.000071024
34	0.45873	13.697	0.00074	0.000075925
35	0.47263	13.294	0.00102	0.000077355
36	0.48653	12.914	0.00100	0.000058755
37	0.50043	12.556	0.00078	0.000051310
38	0.51433	12.216	0.00016	0.000045428
39	0.52823	11.895	0.00027	0.000035503
40	0.54213	11.590	0.00065	0.000033294
41	0.55603	11.300	0.00037	0.000038508
42	0.56993	11.024	0.00065	0.000041669
43	0.58384	10.762	0.00048	0.000032128
44	0.59774	10.512	0.00047	0.000033362
45	0.61164	10.273	0.00005	0.000035816
46	0.62554	10.044	0.00045	0.000043756
47	0.63944	9.826	0.00080	0.000046870
48	0.65334	9.617	0.00098	0.000048779
49	0.66724	9.417	0.00067	0.000048591
50	0.68114	9.224	0.00017	0.000041263
51	0.69504	9.040	0.00044	0.000033590
52	0.70894	8.863	0.00034	0.000033100
53	0.72284	8.692	0.00050	0.000039335
54	0.73675	8.528	0.00064	0.000037041
55	0.75065	8.370	0.00056	0.000033137

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 71

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.454735079
2	0.01390	452.000	7.05084	0.393730964
3	0.02780	226.000	1.03671	0.218007233
4	0.04170	150.667	0.15144	0.086602784
5	0.05560	113.000	0.09049	0.015252434
6	0.06950	90.400	0.03497	0.004948596
7	0.08341	75.333	0.04400	0.003303572
8	0.09731	64.571	0.03434	0.002315901
9	0.11121	56.500	0.01252	0.001610939
10	0.12511	50.222	0.01090	0.001016935
11	0.13901	45.200	0.01016	0.000662863
12	0.15291	41.091	0.00262	0.000451599
13	0.16681	37.667	0.00493	0.000320943
14	0.18071	34.769	0.00213	0.000211283
15	0.19461	32.286	0.00184	0.000185919
16	0.20851	30.133	0.00134	0.000192267
17	0.22241	28.250	0.00363	0.000246975
18	0.23631	26.588	0.00464	0.000272671
19	0.25022	25.111	0.00322	0.000247606
20	0.26412	23.789	0.00186	0.000194605
21	0.27802	22.600	0.00170	0.000175131
22	0.29192	21.524	0.00194	0.000190297
23	0.30582	20.545	0.00387	0.000231467
24	0.31972	19.652	0.00268	0.000234661
25	0.33362	18.833	0.00361	0.000219442
26	0.34752	18.080	0.00159	0.000179277
27	0.36142	17.385	0.00158	0.000167620
28	0.37532	16.741	0.00245	0.000172599
29	0.38922	16.143	0.00254	0.000172289
30	0.40312	15.586	0.00236	0.000147312
31	0.41703	15.067	0.00069	0.000106339
32	0.43093	14.581	0.00069	0.000081371
33	0.44483	14.125	0.00132	0.000075557
34	0.45873	13.697	0.00074	0.000075961
35	0.47263	13.294	0.00102	0.000076289
36	0.48653	12.914	0.00100	0.000066169
37	0.50043	12.556	0.00078	0.000052554
38	0.51433	12.216	0.00016	0.000037329
39	0.52823	11.895	0.00027	0.000031631
40	0.54213	11.590	0.00065	0.000035626
41	0.55603	11.300	0.00037	0.000039399
42	0.56993	11.024	0.00065	0.000042127
43	0.58384	10.762	0.00048	0.000036263
44	0.59774	10.512	0.00047	0.000031550
45	0.61164	10.273	0.00005	0.000028867
46	0.62554	10.044	0.00045	0.000039748
47	0.63944	9.826	0.00080	0.000052840
48	0.65334	9.617	0.00098	0.000057429
49	0.66724	9.417	0.00067	0.000048942
50	0.68114	9.224	0.00017	0.000035641
51	0.69504	9.040	0.00044	0.000030881
52	0.70894	8.863	0.00034	0.000032680
53	0.72284	8.692	0.00050	0.000039313
54	0.73675	8.528	0.00064	0.000041182
55	0.75065	8.370	0.00056	0.000036508

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 72

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.561088276
2	0.01390	452.000	7.05084	0.401558480
3	0.02780	226.000	1.03671	0.218546136
4	0.04170	150.667	0.15144	0.033917081
5	0.05560	113.000	0.09049	0.007345135
6	0.06950	90.400	0.03497	0.004495087
7	0.08341	75.333	0.04400	0.003005567
8	0.09731	64.571	0.03434	0.002410063
9	0.11121	56.500	0.01252	0.001532071
10	0.12511	50.222	0.01090	0.000890681
11	0.13901	45.200	0.01016	0.000628052
12	0.15291	41.091	0.00262	0.000469856
13	0.16681	37.667	0.00493	0.000256889
14	0.18071	34.769	0.00213	0.000236085
15	0.19461	32.286	0.00184	0.000140875
16	0.20851	30.133	0.00134	0.000180796
17	0.22241	28.250	0.00363	0.000255130
18	0.23631	26.588	0.00464	0.000304999
19	0.25022	25.111	0.00322	0.000257885
20	0.26412	23.789	0.00186	0.000179933
21	0.27802	22.600	0.00170	0.000145996
22	0.29192	21.524	0.00194	0.000199463
23	0.30582	20.545	0.00387	0.000225432
24	0.31972	19.652	0.00268	0.000269507
25	0.33362	18.833	0.00361	0.000209043
26	0.34752	18.080	0.00159	0.000179775
27	0.36142	17.385	0.00158	0.000149013
28	0.37532	16.741	0.00245	0.000174072
29	0.38922	16.143	0.00254	0.000194712
30	0.40312	15.586	0.00236	0.000148083
31	0.41703	15.067	0.00069	0.000099142
32	0.43093	14.581	0.00069	0.000071791
33	0.44483	14.125	0.00132	0.000073181
34	0.45873	13.697	0.00074	0.000081701
35	0.47263	13.294	0.00102	0.000073001
36	0.48653	12.914	0.00100	0.000074165
37	0.50043	12.556	0.00078	0.000051342
38	0.51433	12.216	0.00016	0.000032155
39	0.52823	11.895	0.00027	0.000028489
40	0.54213	11.590	0.00065	0.000034248
41	0.55603	11.300	0.00037	0.000044139
42	0.56993	11.024	0.00065	0.000039809
43	0.58384	10.762	0.00048	0.000042432
44	0.59774	10.512	0.00047	0.000026546
45	0.61164	10.273	0.00005	0.000025671
46	0.62554	10.044	0.00045	0.000034385
47	0.63944	9.826	0.00080	0.000059189
48	0.65334	9.617	0.00098	0.000064945
49	0.66724	9.417	0.00067	0.000048152
50	0.68114	9.224	0.00017	0.000033730
51	0.69504	9.040	0.00044	0.000025041
52	0.70894	8.863	0.00034	0.000033873
53	0.72284	8.692	0.00050	0.000039126
54	0.73675	8.528	0.00064	0.000044939
55	0.75065	8.370	0.00056	0.000039481

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER.73

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.31256	0.561088276
2	0.01390	452.000	7.05084	0.441440929
3	0.02780	226.000	1.03671	0.184534325
4	0.04170	150.667	0.15144	0.028450622
5	0.05560	113.000	0.09049	0.007309129
6	0.06950	90.400	0.03497	0.004067078
7	0.08341	75.333	0.04400	0.003129450
8	0.09731	64.571	0.03434	0.002490686
9	0.11121	56.500	0.01252	0.001398188
10	0.12511	50.222	0.01090	0.000884792
11	0.13901	45.200	0.01016	0.000673135
12	0.15291	41.091	0.00262	0.000404555
13	0.16681	37.667	0.00493	0.000290800
14	0.18071	34.769	0.00213	0.000219434
15	0.19461	32.286	0.00184	0.000142216
16	0.20851	30.133	0.00134	0.000162323
17	0.22241	28.250	0.00363	0.000263659
18	0.23631	26.588	0.00464	0.000321060
19	0.25022	25.111	0.00322	0.000257542
20	0.26412	23.789	0.00186	0.000171926
21	0.27802	22.600	0.00170	0.000143343
22	0.29192	21.524	0.00194	0.000188271
23	0.30582	20.545	0.00387	0.000246151
24	0.31972	19.652	0.00268	0.000255454
25	0.33362	18.833	0.00361	0.000228513
26	0.34752	18.080	0.00159	0.000166560
27	0.36142	17.385	0.00158	0.000143132
28	0.37532	16.741	0.00245	0.000179213
29	0.38922	16.143	0.00254	0.000196557
30	0.40312	15.586	0.00236	0.000157915
31	0.41703	15.067	0.00069	0.000088044
32	0.43093	14.581	0.00069	0.000067659
33	0.44483	14.125	0.00132	0.000081225
34	0.45873	13.697	0.00074	0.000076006
35	0.47263	13.294	0.00102	0.000074957
36	0.48653	12.914	0.00100	0.000075438
37	0.50043	12.556	0.00078	0.000054110
38	0.51433	12.216	0.00016	0.000027206
39	0.52823	11.895	0.00027	0.000026791
40	0.54213	11.590	0.00065	0.000038540
41	0.55603	11.300	0.00037	0.000040513
42	0.56993	11.024	0.00065	0.000042699
43	0.58384	10.762	0.00048	0.000041430
44	0.59774	10.512	0.00047	0.000029285
45	0.61164	10.273	0.00005	0.000020182
46	0.62554	10.044	0.00045	0.000034739
47	0.63944	9.826	0.00080	0.000060302
48	0.65334	9.617	0.00098	0.000068240
49	0.66724	9.417	0.00067	0.000049381
50	0.68114	9.224	0.00017	0.000028613
51	0.69504	9.040	0.00044	0.000027495
52	0.70894	8.863	0.00034	0.000032155
53	0.72284	8.692	0.00050	0.000039284
54	0.73675	8.528	0.00064	0.000046359
55	0.75065	8.370	0.00056	0.000040721

Spectral Density Estimates: (Subset1:Popn 1541-1755)

Spectral Window: 7 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER. 74

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.037599065
2	0.02922	215.000	1.03817	0.037513454
3	0.05845	107.500	0.05341	0.037138126
4	0.08767	71.667	0.04303	0.025508773
5	0.11690	53.750	0.03550	0.013821319
6	0.14612	43.000	0.02040	0.002084929
7	0.17534	35.833	0.01520	0.001509001
8	0.20457	30.714	0.01009	0.001070292
9	0.23379	26.875	0.00578	0.000695475
10	0.26302	23.889	0.00275	0.000484138
11	0.29224	21.500	0.00444	0.000330313
12	0.32147	19.545	0.00253	0.000233761
13	0.35069	17.917	0.00181	0.000176217
14	0.37991	16.538	0.00167	0.000171376
15	0.40914	15.357	0.00159	0.000137917
16	0.43836	14.333	0.00072	0.000121798
17	0.46759	13.438	0.00232	0.000127941
18	0.49681	12.647	0.00149	0.000122469
19	0.52603	11.944	0.00111	0.000121588
20	0.55526	11.316	0.00235	0.000124017
21	0.58448	10.750	0.00119	0.000102825
22	0.61371	10.238	0.00152	0.000090989
23	0.64293	9.773	0.00094	0.000083017
24	0.67215	9.348	0.00046	0.000060326
25	0.70138	8.958	0.00045	0.000054341
26	0.73060	8.600	0.00041	0.000044466
27	0.75983	8.269	0.00035	0.000040917
28	0.78905	7.963	0.00066	0.000043614
29	0.81828	7.679	0.00065	0.000041150
30	0.84750	7.414	0.00062	0.000043444
31	0.87672	7.167	0.00070	0.000042869
32	0.90595	6.935	0.00024	0.000038264
33	0.93517	6.719	0.00061	0.000033899
34	0.96440	6.515	0.00030	0.000030327
35	0.99362	6.324	0.00025	0.000024951
36	1.02284	6.143	0.00026	0.000023595
37	1.05207	5.972	0.00031	0.000020560
38	1.08129	5.811	0.00022	0.000020168
39	1.11052	5.658	0.00012	0.000020750
40	1.13974	5.513	0.00034	0.000019843
41	1.16896	5.375	0.00026	0.000019546
42	1.19819	5.244	0.00031	0.000020300
43	1.22741	5.119	0.00018	0.000021417
44	1.25664	5.000	0.00028	0.000018288
45	1.28586	4.886	0.00029	0.000017491
46	1.31509	4.778	0.00021	0.000014813
47	1.34431	4.674	0.00007	0.000014393
48	1.37353	4.574	0.00019	0.000012303
49	1.40276	4.479	0.00007	0.000010872
50	1.43198	4.388	0.00015	0.000010741
51	1.46121	4.300	0.00010	0.000011659
52	1.49043	4.216	0.00016	0.000011522
53	1.51965	4.135	0.00020	0.000012254
54	1.54888	4.057	0.00015	0.000012643
55	1.57810	3.981	0.00018	0.000012989

Spectral Density Estimates: (Subset1: Popn 1541-1755)

Spectral Window: 7 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 75

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.053124923
2	0.02922	215.000	1.03817	0.048138032
3	0.05845	107.500	0.05341	0.033139709
4	0.08767	71.667	0.04303	0.017951335
5	0.11690	53.750	0.03550	0.007548571
6	0.14612	43.000	0.02040	0.001984918
7	0.17534	35.833	0.01520	0.001395499
8	0.20457	30.714	0.01009	0.000942602
9	0.23379	26.875	0.00578	0.000615919
10	0.26302	23.889	0.00275	0.000417229
11	0.29224	21.500	0.00444	0.000300921
12	0.32147	19.545	0.00253	0.000224010
13	0.35069	17.917	0.00181	0.000175739
14	0.37991	16.538	0.00167	0.000149831
15	0.40914	15.357	0.00159	0.000128437
16	0.43836	14.333	0.00072	0.000118752
17	0.46759	13.438	0.00232	0.000126118
18	0.49681	12.647	0.00149	0.000125247
19	0.52603	11.944	0.00111	0.000125365
20	0.55526	11.316	0.00235	0.000127049
21	0.58448	10.750	0.00119	0.000111273
22	0.61371	10.238	0.00152	0.000097504
23	0.64293	9.773	0.00094	0.000078088
24	0.67215	9.348	0.00046	0.000056618
25	0.70138	8.958	0.00045	0.000045523
26	0.73060	8.600	0.00041	0.000039060
27	0.75983	8.269	0.00035	0.000039199
28	0.78905	7.963	0.00066	0.000043977
29	0.81828	7.679	0.00065	0.000045649
30	0.84750	7.414	0.00062	0.000046139
31	0.87672	7.167	0.00070	0.000043942
32	0.90595	6.935	0.00024	0.000037818
33	0.93517	6.719	0.00061	0.000033954
34	0.96440	6.515	0.00030	0.000028802
35	0.99362	6.324	0.00025	0.000024887
36	1.02284	6.143	0.00026	0.000022481
37	1.05207	5.972	0.00031	0.000020308
38	1.08129	5.811	0.00022	0.000019405
39	1.11052	5.658	0.00012	0.000019282
40	1.13974	5.513	0.00034	0.000020194
41	1.16896	5.375	0.00026	0.000020434
42	1.19819	5.244	0.00031	0.000021021
43	1.22741	5.119	0.00018	0.000020745
44	1.25664	5.000	0.00028	0.000019533
45	1.28586	4.886	0.00029	0.000018175
46	1.31509	4.778	0.00021	0.000015593
47	1.34431	4.674	0.00007	0.000013141
48	1.37353	4.574	0.00019	0.000011443
49	1.40276	4.479	0.00007	0.000010034
50	1.43198	4.388	0.00015	0.000010377
51	1.46121	4.300	0.00010	0.000011042
52	1.49043	4.216	0.00016	0.000011960
53	1.51965	4.135	0.00020	0.000012879
54	1.54888	4.057	0.00015	0.000013039
55	1.57810	3.981	0.00018	0.000013120



Spectral Density Estimates: (Subset1: Popn 1541-1755)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER.76

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.051269099
2	0.02922	215.000	1.03817	0.051103831
3	0.05845	107.500	0.05341	0.035145781
4	0.08767	71.667	0.04303	0.018947395
5	0.11690	53.750	0.03550	0.002666300
6	0.14612	43.000	0.02040	0.001976792
7	0.17534	35.833	0.01520	0.001384042
8	0.20457	30.714	0.01009	0.000862866
9	0.23379	26.875	0.00578	0.000608864
10	0.26302	23.889	0.00275	0.000407164
11	0.29224	21.500	0.00444	0.000275342
12	0.32147	19.545	0.00253	0.000209838
13	0.35069	17.917	0.00181	0.000191456
14	0.37991	16.538	0.00167	0.000132337
15	0.40914	15.357	0.00159	0.000129126
16	0.43836	14.333	0.00072	0.000124154
17	0.46759	13.438	0.00232	0.000115243
18	0.49681	12.647	0.00149	0.000127195
19	0.52603	11.944	0.00111	0.000134591
20	0.55526	11.316	0.00235	0.000121754
21	0.58448	10.750	0.00119	0.000112878
22	0.61371	10.238	0.00152	0.000102564
23	0.64293	9.773	0.00094	0.000072421
24	0.67215	9.348	0.00046	0.000060011
25	0.70138	8.958	0.00045	0.000041428
26	0.73060	8.600	0.00041	0.000037043
27	0.75983	8.269	0.00035	0.000040052
28	0.78905	7.963	0.00066	0.000042776
29	0.81828	7.679	0.00065	0.000047400
30	0.84750	7.414	0.00062	0.000045574
31	0.87672	7.167	0.00070	0.000044755
32	0.90595	6.935	0.00024	0.000039192
33	0.93517	6.719	0.00061	0.000033329
34	0.96440	6.515	0.00030	0.000026450
35	0.99362	6.324	0.00025	0.000027624
36	1.02284	6.143	0.00026	0.000021511
37	1.05207	5.972	0.00031	0.000018591
38	1.08129	5.811	0.00022	0.000019969
39	1.11052	5.658	0.00012	0.000019969
40	1.13974	5.513	0.00034	0.000019922
41	1.16896	5.375	0.00026	0.000019299
42	1.19819	5.244	0.00031	0.000021955
43	1.22741	5.119	0.00018	0.000021147
44	1.25664	5.000	0.00028	0.000020338
45	1.28586	4.886	0.00029	0.000016522
46	1.31509	4.778	0.00021	0.000016676
47	1.34431	4.674	0.00007	0.000013295
48	1.37353	4.574	0.00019	0.000011028
49	1.40276	4.479	0.00007	0.000009196
50	1.43198	4.388	0.00015	0.000010765
51	1.46121	4.300	0.00010	0.000010889
52	1.49043	4.216	0.00016	0.000012107
53	1.51965	4.135	0.00020	0.000012657
54	1.54888	4.057	0.00015	0.000013227
55	1.57810	3.981	0.00018	0.000013507

Spectral Density Estimates: (Subset1: Popn 1541-1755)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 77

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.065200590
2	0.02922	215.000	1.03817	0.056401593
3	0.05845	107.500	0.05341	0.030029830
4	0.08767	71.667	0.04303	0.012073328
5	0.11690	53.750	0.03550	0.002669767
6	0.14612	43.000	0.02040	0.001907132
7	0.17534	35.833	0.01520	0.001307220
8	0.20457	30.714	0.01009	0.000843288
9	0.23379	26.875	0.00578	0.000554041
10	0.26302	23.889	0.00275	0.000365189
11	0.29224	21.500	0.00444	0.000278060
12	0.32147	19.545	0.00253	0.000216426
13	0.35069	17.917	0.00181	0.000175366
14	0.37991	16.538	0.00167	0.000133075
15	0.40914	15.357	0.00159	0.000121064
16	0.43836	14.333	0.00072	0.000116383
17	0.46759	13.438	0.00232	0.000124700
18	0.49681	12.647	0.00149	0.000127407
19	0.52603	11.944	0.00111	0.000128303
20	0.55526	11.316	0.00235	0.000129406
21	0.58448	10.750	0.00119	0.000117844
22	0.61371	10.238	0.00152	0.000102570
23	0.64293	9.773	0.00094	0.000074254
24	0.67215	9.348	0.00046	0.000053733
25	0.70138	8.958	0.00045	0.000038664
26	0.73060	8.600	0.00041	0.000034855
27	0.75983	8.269	0.00035	0.000037863
28	0.78905	7.963	0.00066	0.000044260
29	0.81828	7.679	0.00065	0.000049148
30	0.84750	7.414	0.00062	0.000048235
31	0.87672	7.167	0.00070	0.000044776
32	0.90595	6.935	0.00024	0.000037471
33	0.93517	6.719	0.00061	0.000033996
34	0.96440	6.515	0.00030	0.000027615
35	0.99362	6.324	0.00025	0.000024836
36	1.02284	6.143	0.00026	0.000021614
37	1.05207	5.972	0.00031	0.000020112
38	1.08129	5.811	0.00022	0.000018812
39	1.11052	5.658	0.00012	0.000018140
40	1.13974	5.513	0.00034	0.000020467
41	1.16896	5.375	0.00026	0.000021125
42	1.19819	5.244	0.00031	0.000021582
43	1.22741	5.119	0.00018	0.000020223
44	1.25664	5.000	0.00028	0.000020502
45	1.28586	4.886	0.00029	0.000018707
46	1.31509	4.778	0.00021	0.000016200
47	1.34431	4.674	0.00007	0.000012167
48	1.37353	4.574	0.00019	0.000010774
49	1.40276	4.479	0.00007	0.000009381
50	1.43198	4.388	0.00015	0.000010094
51	1.46121	4.300	0.00010	0.000010562
52	1.49043	4.216	0.00016	0.000012301
53	1.51965	4.135	0.00020	0.000013364
54	1.54888	4.057	0.00015	0.000013348
55	1.57810	3.981	0.00018	0.000013221

Spectral Density Estimates: (Subset1:Popn 1541-1755)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER. 78

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.082614954
2	0.02922	215.000	1.03817	0.056493408
3	0.05845	107.500	0.05341	0.030096416
4	0.08767	71.667	0.04303	0.003499666
5	0.11690	53.750	0.03550	0.002623900
6	0.14612	43.000	0.02040	0.001885736
7	0.17534	35.833	0.01520	0.001211761
8	0.20457	30.714	0.01009	0.000824162
9	0.23379	26.875	0.00578	0.000493941
10	0.26302	23.889	0.00275	0.000344020
11	0.29224	21.500	0.00444	0.000257606
12	0.32147	19.545	0.00253	0.000232554
13	0.35069	17.917	0.00181	0.000159118
14	0.37991	16.538	0.00167	0.000134427
15	0.40914	15.357	0.00159	0.000105678
16	0.43836	14.333	0.00072	0.000123087
17	0.46759	13.438	0.00232	0.000120385
18	0.49681	12.647	0.00149	0.000130628
19	0.52603	11.944	0.00111	0.000131208
20	0.55526	11.316	0.00235	0.000123073
21	0.58448	10.750	0.00119	0.000133938
22	0.61371	10.238	0.00152	0.000096523
23	0.64293	9.773	0.00094	0.000077251
24	0.67215	9.348	0.00046	0.000048987
25	0.70138	8.958	0.00045	0.000034961
26	0.73060	8.600	0.00041	0.000032044
27	0.75983	8.269	0.00035	0.000037559
28	0.78905	7.963	0.00066	0.000043986
29	0.81828	7.679	0.00065	0.000051234
30	0.84750	7.414	0.00062	0.000052223
31	0.87672	7.167	0.00070	0.000041248
32	0.90595	6.935	0.00024	0.000040858
33	0.93517	6.719	0.00061	0.000030306
34	0.96440	6.515	0.00030	0.000030826
35	0.99362	6.324	0.00025	0.000021714
36	1.02284	6.143	0.00026	0.000021969
37	1.05207	5.972	0.00031	0.000021160
38	1.08129	5.811	0.00022	0.000017207
39	1.11052	5.658	0.00012	0.000018068
40	1.13974	5.513	0.00034	0.000019145
41	1.16896	5.375	0.00026	0.000024187
42	1.19819	5.244	0.00031	0.000020042
43	1.22741	5.119	0.00018	0.000020517
44	1.25664	5.000	0.00028	0.000020111
45	1.28586	4.886	0.00029	0.000020878
46	1.31509	4.778	0.00021	0.000015132
47	1.34431	4.674	0.00007	0.000012589
48	1.37353	4.574	0.00019	0.000008778
49	1.40276	4.479	0.00007	0.000010954
50	1.43198	4.388	0.00015	0.000008412
51	1.46121	4.300	0.00010	0.000010916
52	1.49043	4.216	0.00016	0.000012357
53	1.51965	4.135	0.00020	0.000013629
54	1.54888	4.057	0.00015	0.000014106
55	1.57810	3.981	0.00018	0.000012308

Spectral Density Estimates: (Subset1:Popn 1541-1755)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER.79

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.84886	0.082614954
2	0.02922	215.000	1.03817	0.063023795
3	0.05845	107.500	0.05341	0.023634892
4	0.08767	71.667	0.04303	0.003480744
5	0.11690	53.750	0.03550	0.002674101
6	0.14612	43.000	0.02040	0.001820057
7	0.17534	35.833	0.01520	0.001211191
8	0.20457	30.714	0.01009	0.000818816
9	0.23379	26.875	0.00578	0.000485512
10	0.26302	23.889	0.00275	0.000312720
11	0.29224	21.500	0.00444	0.000281458
12	0.32147	19.545	0.00253	0.000224661
13	0.35069	17.917	0.00181	0.000155255
14	0.37991	16.538	0.00167	0.000133997
15	0.40914	15.357	0.00159	0.000110986
16	0.43836	14.333	0.00072	0.000106670
17	0.46759	13.438	0.00232	0.000136521
18	0.49681	12.647	0.00149	0.000127672
19	0.52603	11.944	0.00111	0.000120444
20	0.55526	11.316	0.00235	0.000138972
21	0.58448	10.750	0.00119	0.000124053
22	0.61371	10.238	0.00152	0.000102578
23	0.64293	9.773	0.00094	0.000076544
24	0.67215	9.348	0.00046	0.000045886
25	0.70138	8.958	0.00045	0.000035210
26	0.73060	8.600	0.00041	0.000032119
27	0.75983	8.269	0.00035	0.000035127
28	0.78905	7.963	0.00066	0.000046115
29	0.81828	7.679	0.00065	0.000051332
30	0.84750	7.414	0.00062	0.000051561
31	0.87672	7.167	0.00070	0.000044803
32	0.90595	6.935	0.00024	0.000035319
33	0.93517	6.719	0.00061	0.000034831
34	0.96440	6.515	0.00030	0.000029072
35	0.99362	6.324	0.00025	0.000021351
36	1.02284	6.143	0.00026	0.000021744
37	1.05207	5.972	0.00031	0.000022013
38	1.08129	5.811	0.00022	0.000017364
39	1.11052	5.658	0.00012	0.000015853
40	1.13974	5.513	0.00034	0.000021148
41	1.16896	5.375	0.00026	0.000023407
42	1.19819	5.244	0.00031	0.000021116
43	1.22741	5.119	0.00018	0.000019068
44	1.25664	5.000	0.00028	0.000020706
45	1.28586	4.886	0.00029	0.000021438
46	1.31509	4.778	0.00021	0.000015605
47	1.34431	4.674	0.00007	0.000010756
48	1.37353	4.574	0.00019	0.000010456
49	1.40276	4.479	0.00007	0.000009613
50	1.43198	4.388	0.00015	0.000009255
51	1.46121	4.300	0.00010	0.000010153
52	1.49043	4.216	0.00016	0.000012543
53	1.51965	4.135	0.00020	0.000014249
54	1.54888	4.057	0.00015	0.000013499
55	1.57810	3.981	0.00018	0.000012864

Spectral Density Estimates: (Subset2:Popn 1755-1992)

Spectral Window: 7 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER. 80

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.169026397
2	0.02651	237.000	4.46594	0.166796228
3	0.05302	118.500	0.45294	0.162593461
4	0.07953	79.000	0.28232	0.112333105
5	0.10605	59.250	0.08615	0.061910424
6	0.13256	47.400	0.08325	0.011367793
7	0.15907	39.500	0.04480	0.006515327
8	0.18558	33.857	0.03053	0.003440243
9	0.21209	29.625	0.01997	0.002635159
10	0.23860	26.333	0.02610	0.001847320
11	0.26511	23.700	0.01183	0.001444609
12	0.29162	21.545	0.01533	0.001164998
13	0.31814	19.750	0.01394	0.001055804
14	0.34465	18.231	0.00938	0.000822418
15	0.37116	16.929	0.00593	0.000749256
16	0.39767	15.800	0.01037	0.000662594
17	0.42418	14.813	0.00557	0.000561928
18	0.45069	13.941	0.00539	0.000488238
19	0.47720	13.167	0.00771	0.000479500
20	0.50372	12.474	0.00509	0.000402211
21	0.53023	11.850	0.00290	0.000363205
22	0.55674	11.286	0.00516	0.000345180
23	0.58325	10.773	0.00357	0.000296665
24	0.60976	10.304	0.00213	0.000261180
25	0.63627	9.875	0.00380	0.000259947
26	0.66278	9.480	0.00344	0.000234671
27	0.68929	9.115	0.00197	0.000209988
28	0.71581	8.778	0.00279	0.000210848
29	0.74232	8.464	0.00294	0.000193964
30	0.76883	8.172	0.00140	0.000169756
31	0.79534	7.900	0.00221	0.000163162
32	0.82185	7.645	0.00232	0.000156539
33	0.84836	7.406	0.00131	0.000136185
34	0.87487	7.182	0.00139	0.000136435
35	0.90139	6.971	0.00221	0.000129421
36	0.92790	6.771	0.00115	0.000117054
37	0.95441	6.583	0.00142	0.000112424
38	0.98092	6.405	0.00159	0.000115130
39	1.00743	6.237	0.00123	0.000102928
40	1.03394	6.077	0.00090	0.000101153
41	1.06045	5.925	0.00163	0.000096304
42	1.08696	5.780	0.00113	0.000091223
43	1.11348	5.643	0.00099	0.000084791
44	1.13999	5.512	0.00099	0.000087630
45	1.16650	5.386	0.00115	0.000078029
46	1.19301	5.267	0.00067	0.000073936
47	1.21952	5.152	0.00115	0.000070490
48	1.24603	5.043	0.00078	0.000070195
49	1.27254	4.937	0.00077	0.000063988
50	1.29906	4.837	0.00069	0.000064994
51	1.32557	4.740	0.00097	0.000058559
52	1.35208	4.647	0.00060	0.000057550
53	1.37859	4.558	0.00075	0.000055024
54	1.40510	4.472	0.00059	0.000055639
55	1.43161	4.389	0.00069	0.000050935

Spectral Density Estimates: (Subset2:Popn 1755-1992)

Spectral Window: 7 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER. 81

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.233936736
2	0.02651	237.000	4.46594	0.212153461
3	0.05302	118.500	0.45294	0.147764899
4	0.07953	79.000	0.28232	0.081346432
5	0.10605	59.250	0.08615	0.034483193
6	0.13256	47.400	0.08325	0.009074104
7	0.15907	39.500	0.04480	0.005178482
8	0.18558	33.857	0.03053	0.003148746
9	0.21209	29.625	0.01997	0.002295781
10	0.23860	26.333	0.02610	0.001741953
11	0.26511	23.700	0.01183	0.001389230
12	0.29162	21.545	0.01533	0.001171199
13	0.31814	19.750	0.01394	0.001004071
14	0.34465	18.231	0.00938	0.000825260
15	0.37116	16.929	0.00593	0.000709746
16	0.39767	15.800	0.01037	0.000632399
17	0.42418	14.813	0.00557	0.000553469
18	0.45069	13.941	0.00539	0.000502937
19	0.47720	13.167	0.00771	0.000471105
20	0.50372	12.474	0.00509	0.000409860
21	0.53023	11.850	0.00290	0.000360179
22	0.55674	11.286	0.00516	0.000328282
23	0.58325	10.773	0.00357	0.000288963
24	0.60976	10.304	0.00213	0.000262249
25	0.63627	9.875	0.00380	0.000253483
26	0.66278	9.480	0.00344	0.000235891
27	0.68929	9.115	0.00197	0.000216715
28	0.71581	8.778	0.00279	0.000206714
29	0.74232	8.464	0.00294	0.000191125
30	0.76883	8.172	0.00140	0.000171753
31	0.79534	7.900	0.00221	0.000162475
32	0.82185	7.645	0.00232	0.000151969
33	0.84836	7.406	0.00131	0.000137966
34	0.87487	7.182	0.00139	0.000132612
35	0.90139	6.971	0.00221	0.000128335
36	0.92790	6.771	0.00115	0.000119232
37	0.95441	6.583	0.00142	0.000114743
38	0.98092	6.405	0.00159	0.000110722
39	1.00743	6.237	0.00123	0.000103388
40	1.03394	6.077	0.00090	0.000099702
41	1.06045	5.925	0.00163	0.000097691
42	1.08696	5.780	0.00113	0.000092276
43	1.11348	5.643	0.00099	0.000086828
44	1.13999	5.512	0.00099	0.000083380
45	1.16650	5.386	0.00115	0.000078416
46	1.19301	5.267	0.00067	0.000073978
47	1.21952	5.152	0.00115	0.000071971
48	1.24603	5.043	0.00078	0.000068248
49	1.27254	4.937	0.00077	0.000064686
50	1.29906	4.837	0.00069	0.000062889
51	1.32557	4.740	0.00097	0.000060477
52	1.35208	4.647	0.00060	0.000057609
53	1.37859	4.558	0.00075	0.000055392
54	1.40510	4.472	0.00059	0.000053204
55	1.43161	4.389	0.00069	0.000051366

Spectral Density Estimates: (Subset2: Popn 1755-1992)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 82

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.227650289
2	0.02651	237.000	4.46594	0.224934844
3	0.05302	118.500	0.45294	0.155228364
4	0.07953	79.000	0.28232	0.085475692
5	0.10605	59.250	0.08615	0.015111193
6	0.13256	47.400	0.08325	0.008388237
7	0.15907	39.500	0.04480	0.004212798
8	0.18558	33.857	0.03053	0.003257027
9	0.21209	29.625	0.01997	0.002120338
10	0.23860	26.333	0.02610	0.001651238
11	0.26511	23.700	0.01183	0.001387347
12	0.29162	21.545	0.01533	0.001218735
13	0.31814	19.750	0.01394	0.000897777
14	0.34465	18.231	0.00938	0.000874583
15	0.37116	16.929	0.00593	0.000719190
16	0.39767	15.800	0.01037	0.000583048
17	0.42418	14.813	0.00557	0.000556418
18	0.45069	13.941	0.00539	0.000543049
19	0.47720	13.167	0.00771	0.000424143
20	0.50372	12.474	0.00509	0.000417692
21	0.53023	11.850	0.00290	0.000388720
22	0.55674	11.286	0.00516	0.000300045
23	0.58325	10.773	0.00357	0.000279601
24	0.60976	10.304	0.00213	0.000288217
25	0.63627	9.875	0.00380	0.000237401
26	0.66278	9.480	0.00344	0.000224974
27	0.68929	9.115	0.00197	0.000237745
28	0.71581	8.778	0.00279	0.000199450
29	0.74232	8.464	0.00294	0.000179901
30	0.76883	8.172	0.00140	0.000185499
31	0.79534	7.900	0.00221	0.000161950
32	0.82185	7.645	0.00232	0.000137288
33	0.84836	7.406	0.00131	0.000150145
34	0.87487	7.182	0.00139	0.000133217
35	0.90139	6.971	0.00221	0.000118909
36	0.92790	6.771	0.00115	0.000123431
37	0.95441	6.583	0.00142	0.000120948
38	0.98092	6.405	0.00159	0.000100190
39	1.00743	6.237	0.00123	0.000107811
40	1.03394	6.077	0.00090	0.000103235
41	1.06045	5.925	0.00163	0.000093642
42	1.08696	5.780	0.00113	0.000089859
43	1.11348	5.643	0.00099	0.000093749
44	1.13999	5.512	0.00099	0.000078473
45	1.16650	5.386	0.00115	0.000078773
46	1.19301	5.267	0.00067	0.000075437
47	1.21952	5.152	0.00115	0.000071920
48	1.24603	5.043	0.00078	0.000064616
49	1.27254	4.937	0.00077	0.000069425
50	1.29906	4.837	0.00069	0.000060650
51	1.32557	4.740	0.00097	0.000060224
52	1.35208	4.647	0.00060	0.000057244
53	1.37859	4.558	0.00075	0.000057321
54	1.40510	4.472	0.00059	0.000050681
55	1.43161	4.389	0.00069	0.000052927

Spectral Density Estimates: (Subset2: Popn 1755-1992)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER.83

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.284422554
2	0.02651	237.000	4.46594	0.247431308
3	0.05302	118.500	0.45294	0.136231573
4	0.07953	79.000	0.28232	0.057245686
5	0.10605	59.250	0.08615	0.013150903
6	0.13256	47.400	0.08325	0.007290124
7	0.15907	39.500	0.04480	0.004138713
8	0.18558	33.857	0.03053	0.002922025
9	0.21209	29.625	0.01997	0.002031820
10	0.23860	26.333	0.02610	0.001660000
11	0.26511	23.700	0.01183	0.001346158
12	0.29162	21.545	0.01533	0.001176023
13	0.31814	19.750	0.01394	0.000963834
14	0.34465	18.231	0.00938	0.000827471
15	0.37116	16.929	0.00593	0.000679017
16	0.39767	15.800	0.01037	0.000608915
17	0.42418	14.813	0.00557	0.000546890
18	0.45069	13.941	0.00539	0.000514370
19	0.47720	13.167	0.00771	0.000464576
20	0.50372	12.474	0.00509	0.000415810
21	0.53023	11.850	0.00290	0.000357825
22	0.55674	11.286	0.00516	0.000315138
23	0.58325	10.773	0.00357	0.000282971
24	0.60976	10.304	0.00213	0.000263080
25	0.63627	9.875	0.00380	0.000248456
26	0.66278	9.480	0.00344	0.000236840
27	0.68929	9.115	0.00197	0.000221947
28	0.71581	8.778	0.00279	0.000203499
29	0.74232	8.464	0.00294	0.000188916
30	0.76883	8.172	0.00140	0.000173306
31	0.79534	7.900	0.00221	0.000161940
32	0.82185	7.645	0.00232	0.000148415
33	0.84836	7.406	0.00131	0.000139351
34	0.87487	7.182	0.00139	0.000129639
35	0.90139	6.971	0.00221	0.000127491
36	0.92790	6.771	0.00115	0.000120925
37	0.95441	6.583	0.00142	0.000116547
38	0.98092	6.405	0.00159	0.000107294
39	1.00743	6.237	0.00123	0.000103745
40	1.03394	6.077	0.00090	0.000098574
41	1.06045	5.925	0.00163	0.000098770
42	1.08696	5.780	0.00113	0.000093095
43	1.11348	5.643	0.00099	0.000088413
44	1.13999	5.512	0.00099	0.000080075
45	1.16650	5.386	0.00115	0.000078718
46	1.19301	5.267	0.00067	0.000074010
47	1.21952	5.152	0.00115	0.000073122
48	1.24603	5.043	0.00078	0.000066734
49	1.27254	4.937	0.00077	0.000065229
50	1.29906	4.837	0.00069	0.000061251
51	1.32557	4.740	0.00097	0.000061969
52	1.35208	4.647	0.00060	0.000057655
53	1.37859	4.558	0.00075	0.000055678
54	1.40510	4.472	0.00059	0.000051310
55	1.43161	4.389	0.00069	0.000051702



Spectral Density Estimates: (Subset2:Popn 1755-1992)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

14:51 Monday, October 3, 1994

PER. 84

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.355387886
2	0.02651	237.000	4.46594	0.248939889
3	0.05302	118.500	0.45294	0.137966149
4	0.07953	79.000	0.28232	0.021788682
5	0.10605	59.250	0.08615	0.011982226
6	0.13256	47.400	0.08325	0.005681801
7	0.15907	39.500	0.04480	0.004206345
8	0.18558	33.857	0.03053	0.002527993
9	0.21209	29.625	0.01997	0.002031738
10	0.23860	26.333	0.02610	0.001535728
11	0.26511	23.700	0.01183	0.001412535
12	0.29162	21.545	0.01533	0.001090212
13	0.31814	19.750	0.01394	0.001025321
14	0.34465	18.231	0.00938	0.000775970
15	0.37116	16.929	0.00593	0.000681121
16	0.39767	15.800	0.01037	0.000579960
17	0.42418	14.813	0.00557	0.000565663
18	0.45069	13.941	0.00539	0.000495047
19	0.47720	13.167	0.00771	0.000482402
20	0.50372	12.474	0.00509	0.000416279
21	0.53023	11.850	0.00290	0.000348750
22	0.55674	11.286	0.00516	0.000308447
23	0.58325	10.773	0.00357	0.000288217
24	0.60976	10.304	0.00213	0.000252250
25	0.63627	9.875	0.00380	0.000248774
26	0.66278	9.480	0.00344	0.000244343
27	0.68929	9.115	0.00197	0.000217401
28	0.71581	8.778	0.00279	0.000204097
29	0.74232	8.464	0.00294	0.000188998
30	0.76883	8.172	0.00140	0.000173652
31	0.79534	7.900	0.00221	0.000157267
32	0.82185	7.645	0.00232	0.000154901
33	0.84836	7.406	0.00131	0.000133076
34	0.87487	7.182	0.00139	0.000130075
35	0.90139	6.971	0.00221	0.000125764
36	0.92790	6.771	0.00115	0.000126635
37	0.95441	6.583	0.00142	0.000110377
38	0.98092	6.405	0.00159	0.000112629
39	1.00743	6.237	0.00123	0.000098876
40	1.03394	6.077	0.00090	0.000099731
41	1.06045	5.925	0.00163	0.000097113
42	1.08696	5.780	0.00113	0.000099464
43	1.11348	5.643	0.00099	0.000082708
44	1.13999	5.512	0.00099	0.000083066
45	1.16650	5.386	0.00115	0.000074450
46	1.19301	5.267	0.00067	0.000078637
47	1.21952	5.152	0.00115	0.000068944
48	1.24603	5.043	0.00078	0.000071786
49	1.27254	4.937	0.00077	0.000059471
50	1.29906	4.837	0.00069	0.000064429
51	1.32557	4.740	0.00097	0.000059854
52	1.35208	4.647	0.00060	0.000061625
53	1.37859	4.558	0.00075	0.000051485
54	1.40510	4.472	0.00059	0.000053923
55	1.43161	4.389	0.00069	0.000048523

Spectral Density Estimates: (Subset2: Popn 1755-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

14:51 Monday, October 3, 1994

PER. 85

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	2.72121	0.355387886
2	0.02651	237.000	4.46594	0.275551888
3	0.05302	118.500	0.45294	0.112485585
4	0.07953	79.000	0.28232	0.021958179
5	0.10605	59.250	0.08615	0.010700541
6	0.13256	47.400	0.08325	0.005917482
7	0.15907	39.500	0.04480	0.004046107
8	0.18558	33.857	0.03053	0.002503274
9	0.21209	29.625	0.01997	0.001921172
10	0.23860	26.333	0.02610	0.001670953
11	0.26511	23.700	0.01183	0.001294672
12	0.29162	21.545	0.01533	0.001122632
13	0.31814	19.750	0.01394	0.001046405
14	0.34465	18.231	0.00938	0.000768580
15	0.37116	16.929	0.00593	0.000628800
16	0.39767	15.800	0.01037	0.000641248
17	0.42418	14.813	0.00557	0.000534980
18	0.45069	13.941	0.00539	0.000478522
19	0.47720	13.167	0.00771	0.000515117
20	0.50372	12.474	0.00509	0.000413458
21	0.53023	11.850	0.00290	0.000319207
22	0.55674	11.286	0.00516	0.000334004
23	0.58325	10.773	0.00357	0.000287184
24	0.60976	10.304	0.00213	0.000231660
25	0.63627	9.875	0.00380	0.000262274
26	0.66278	9.480	0.00344	0.000251672
27	0.68929	9.115	0.00197	0.000202200
28	0.71581	8.778	0.00279	0.000208560
29	0.74232	8.464	0.00294	0.000200185
30	0.76883	8.172	0.00140	0.000158064
31	0.79534	7.900	0.00221	0.000161928
32	0.82185	7.645	0.00232	0.000162323
33	0.84836	7.406	0.00131	0.000125858
34	0.87487	7.182	0.00139	0.000125166
35	0.90139	6.971	0.00221	0.000138219
36	0.92790	6.771	0.00115	0.000117794
37	0.95441	6.583	0.00142	0.000111045
38	0.98092	6.405	0.00159	0.000116174
39	1.00743	6.237	0.00123	0.000098664
40	1.03394	6.077	0.00090	0.000092747
41	1.06045	5.925	0.00163	0.000105179
42	1.08696	5.780	0.00113	0.000097141
43	1.11348	5.643	0.00099	0.000081742
44	1.13999	5.512	0.00099	0.000082077
45	1.16650	5.386	0.00115	0.000078649
46	1.19301	5.267	0.00067	0.000072227
47	1.21952	5.152	0.00115	0.000074625
48	1.24603	5.043	0.00078	0.000069381
49	1.27254	4.937	0.00077	0.000059984
50	1.29906	4.837	0.00069	0.000062003
51	1.32557	4.740	0.00097	0.000064151
52	1.35208	4.647	0.00060	0.000058168
53	1.37859	4.558	0.00075	0.000053623
54	1.40510	4.472	0.00059	0.000052097
55	1.43161	4.389	0.00069	0.000050170

## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 11 (Rec)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER.86

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.023946928
2	0.01390	452.000	0.31845	0.024008551
3	0.02780	226.000	0.88521	0.023745374
4	0.04170	150.667	0.20945	0.022482451
5	0.05560	113.000	0.06998	0.016186272
6	0.06950	90.400	0.01278	0.013936207
7	0.08341	75.333	0.02130	0.011773045
8	0.09731	64.571	0.03360	0.009503092
9	0.11121	56.500	0.03488	0.003230261
10	0.12511	50.222	0.01489	0.001736611
11	0.13901	45.200	0.00742	0.001341312
12	0.15291	41.091	0.01943	0.001255213
13	0.16681	37.667	0.00467	0.001148510
14	0.18071	34.769	0.01811	0.000907759
15	0.19461	32.286	0.00299	0.000710267
16	0.20851	30.133	0.01533	0.000603848
17	0.22241	28.250	0.00088	0.000589348
18	0.23631	26.588	0.00655	0.000453562
19	0.25022	25.111	0.00032	0.000440843
20	0.26412	23.789	0.00758	0.000320635
21	0.27802	22.600	0.00018	0.000319502
22	0.29192	21.524	0.00542	0.000217618
23	0.30582	20.545	0.00066	0.000239471
24	0.31972	19.652	0.00291	0.000194423
25	0.33362	18.833	0.00150	0.000198590
26	0.34752	18.080	0.00283	0.000153962
27	0.36142	17.385	0.00125	0.000160945
28	0.37532	16.741	0.00390	0.000127190
29	0.38922	16.143	0.00033	0.000136496
30	0.40312	15.586	0.00090	0.000124641
31	0.41703	15.067	0.00141	0.000115217
32	0.43093	14.581	0.00114	0.000108582
33	0.44483	14.125	0.00075	0.000102359
34	0.45873	13.697	0.00195	0.000090596
35	0.47263	13.294	0.00127	0.000092080
36	0.48653	12.914	0.00020	0.000099097
37	0.50043	12.556	0.00191	0.000089562
38	0.51433	12.216	0.00039	0.000092948
39	0.52823	11.895	0.00228	0.000088521
40	0.54213	11.590	0.00053	0.000091562
41	0.55603	11.300	0.00187	0.000083219
42	0.56993	11.024	0.00009	0.000088164
43	0.58384	10.762	0.00161	0.000078906
44	0.59774	10.512	0.00014	0.000079282
45	0.61164	10.273	0.00237	0.000067126
46	0.62554	10.044	0.00012	0.000067751
47	0.63944	9.826	0.00088	0.000056721
48	0.65334	9.617	0.00063	0.000058116
49	0.66724	9.417	0.00044	0.000048964
50	0.68114	9.224	0.00060	0.000048449
51	0.69504	9.040	0.00062	0.000037165
52	0.70894	8.863	0.00034	0.000039441
53	0.72284	8.692	0.00029	0.000037848
54	0.73675	8.528	0.00035	0.000034424
55	0.75065	8.370	0.00007	0.000035791

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 11 (Tri)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 87

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.030369869
2	0.01390	452.000	0.31845	0.029713038
3	0.02780	226.000	0.88521	0.027750893
4	0.04170	150.667	0.20945	0.022107052
5	0.05560	113.000	0.06998	0.016033125
6	0.06950	90.400	0.01278	0.011622972
7	0.08341	75.333	0.02130	0.007903175
8	0.09731	64.571	0.03360	0.004803443
9	0.11121	56.500	0.03488	0.002299138
10	0.12511	50.222	0.01489	0.001603972
11	0.13901	45.200	0.00742	0.001339883
12	0.15291	41.091	0.01943	0.001199626
13	0.16681	37.667	0.00467	0.001016207
14	0.18071	34.769	0.01811	0.000859934
15	0.19461	32.286	0.00299	0.000714602
16	0.20851	30.133	0.01533	0.000633559
17	0.22241	28.250	0.00088	0.000529600
18	0.23631	26.588	0.00655	0.000439601
19	0.25022	25.111	0.00032	0.000370024
20	0.26412	23.789	0.00758	0.000312671
21	0.27802	22.600	0.00018	0.000268103
22	0.29192	21.524	0.00542	0.000232121
23	0.30582	20.545	0.00066	0.000214724
24	0.31972	19.652	0.00291	0.000197073
25	0.33362	18.833	0.00150	0.000183010
26	0.34752	18.080	0.00283	0.000166149
27	0.36142	17.385	0.00125	0.000156059
28	0.37532	16.741	0.00390	0.000142484
29	0.38922	16.143	0.00033	0.000127927
30	0.40312	15.586	0.00090	0.000116209
31	0.41703	15.067	0.00141	0.000107404
32	0.43093	14.581	0.00114	0.000099897
33	0.44483	14.125	0.00075	0.000094461
34	0.45873	13.697	0.00195	0.000093514
35	0.47263	13.294	0.00127	0.000093755
36	0.48653	12.914	0.00020	0.000093209
37	0.50043	12.556	0.00191	0.000093984
38	0.51433	12.216	0.00039	0.000092983
39	0.52823	11.895	0.00228	0.000093081
40	0.54213	11.590	0.00053	0.000090001
41	0.55603	11.300	0.00187	0.000089148
42	0.56993	11.024	0.00009	0.000084806
43	0.58384	10.762	0.00161	0.000081882
44	0.59774	10.512	0.00014	0.000077048
45	0.61164	10.273	0.00237	0.000073791
46	0.62554	10.044	0.00012	0.000066462
47	0.63944	9.826	0.00088	0.000060527
48	0.65334	9.617	0.00063	0.000055461
49	0.66724	9.417	0.00044	0.000048568
50	0.68114	9.224	0.00060	0.000043420
51	0.69504	9.040	0.00062	0.000037723
52	0.70894	8.863	0.00034	0.000035494
53	0.72284	8.692	0.00029	0.000033483
54	0.73675	8.528	0.00035	0.000032501
55	0.75065	8.370	0.00007	0.000032790

## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 9 (Rec)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 88

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.029042387
2	0.01390	452.000	0.31845	0.028536694
3	0.02780	226.000	0.88521	0.026873075
4	0.04170	150.667	0.20945	0.019343187
5	0.05560	113.000	0.06998	0.016835908
6	0.06950	90.400	0.01278	0.014151856
7	0.08341	75.333	0.02130	0.011401776
8	0.09731	64.571	0.03360	0.003746634
9	0.11121	56.500	0.03488	0.001935954
10	0.12511	50.222	0.01489	0.001477388
11	0.13901	45.200	0.00742	0.001390752
12	0.15291	41.091	0.01943	0.001337984
13	0.16681	37.667	0.00467	0.001048720
14	0.18071	34.769	0.01811	0.000798258
15	0.19461	32.286	0.00299	0.000669449
16	0.20851	30.133	0.01533	0.000670870
17	0.22241	28.250	0.00088	0.000500616
18	0.23631	26.588	0.00655	0.000507200
19	0.25022	25.111	0.00032	0.000352890
20	0.26412	23.789	0.00758	0.000352237
21	0.27802	22.600	0.00018	0.000229893
22	0.29192	21.524	0.00542	0.000247104
23	0.30582	20.545	0.00066	0.000200228
24	0.31972	19.652	0.00291	0.000231924
25	0.33362	18.833	0.00150	0.000167782
26	0.34752	18.080	0.00283	0.000174133
27	0.36142	17.385	0.00125	0.000138732
28	0.37532	16.741	0.00390	0.000142974
29	0.38922	16.143	0.00033	0.000123848
30	0.40312	15.586	0.00090	0.000127832
31	0.41703	15.067	0.00141	0.000114074
32	0.43093	14.581	0.00114	0.000104736
33	0.44483	14.125	0.00075	0.000087129
34	0.45873	13.697	0.00195	0.000087705
35	0.47263	13.294	0.00127	0.000099931
36	0.48653	12.914	0.00020	0.000092148
37	0.50043	12.556	0.00191	0.000098541
38	0.51433	12.216	0.00039	0.000092742
39	0.52823	11.895	0.00228	0.000089749
40	0.54213	11.590	0.00053	0.000079700
41	0.55603	11.300	0.00187	0.000098920
42	0.56993	11.024	0.00009	0.000083075
43	0.58384	10.762	0.00161	0.000087387
44	0.59774	10.512	0.00014	0.000072841
45	0.61164	10.273	0.00237	0.000072064
46	0.62554	10.044	0.00012	0.000060856
47	0.63944	9.826	0.00088	0.000065490
48	0.65334	9.617	0.00063	0.000054263
49	0.66724	9.417	0.00044	0.000055580
50	0.68114	9.224	0.00060	0.000037685
51	0.69504	9.040	0.00062	0.000037203
52	0.70894	8.863	0.00034	0.000036588
53	0.72284	8.692	0.00029	0.000034840
54	0.73675	8.528	0.00035	0.000036744
55	0.75065	8.370	0.00007	0.000032871

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 9 (Tri)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER.89

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.033195963
2	0.01390	452.000	0.31845	0.032223012
3	0.02780	226.000	0.88521	0.029513321
4	0.04170	150.667	0.20945	0.021941877
5	0.05560	113.000	0.06998	0.015965740
6	0.06950	90.400	0.01278	0.010605149
7	0.08341	75.333	0.02130	0.006200432
8	0.09731	64.571	0.03360	0.002735598
9	0.11121	56.500	0.03488	0.001889444
10	0.12511	50.222	0.01489	0.001545611
11	0.13901	45.200	0.00742	0.001339253
12	0.15291	41.091	0.01943	0.001175168
13	0.16681	37.667	0.00467	0.000957994
14	0.18071	34.769	0.01811	0.000838891
15	0.19461	32.286	0.00299	0.000716509
16	0.20851	30.133	0.01533	0.000646632
17	0.22241	28.250	0.00088	0.000503310
18	0.23631	26.588	0.00655	0.000433458
19	0.25022	25.111	0.00032	0.000338863
20	0.26412	23.789	0.00758	0.000309168
21	0.27802	22.600	0.00018	0.000245488
22	0.29192	21.524	0.00542	0.000238502
23	0.30582	20.545	0.00066	0.000203836
24	0.31972	19.652	0.00291	0.000198239
25	0.33362	18.833	0.00150	0.000176154
26	0.34752	18.080	0.00283	0.000171511
27	0.36142	17.385	0.00125	0.000153909
28	0.37532	16.741	0.00390	0.000149213
29	0.38922	16.143	0.00033	0.000124157
30	0.40312	15.586	0.00090	0.000112499
31	0.41703	15.067	0.00141	0.000103966
32	0.43093	14.581	0.00114	0.000096075
33	0.44483	14.125	0.00075	0.000090985
34	0.45873	13.697	0.00195	0.000094797
35	0.47263	13.294	0.00127	0.000094492
36	0.48653	12.914	0.00020	0.000090617
37	0.50043	12.556	0.00191	0.000095929
38	0.51433	12.216	0.00039	0.000092999
39	0.52823	11.895	0.00228	0.000095087
40	0.54213	11.590	0.00053	0.000089315
41	0.55603	11.300	0.00187	0.000091756
42	0.56993	11.024	0.00009	0.000083329
43	0.58384	10.762	0.00161	0.000083192
44	0.59774	10.512	0.00014	0.000076064
45	0.61164	10.273	0.00237	0.000076724
46	0.62554	10.044	0.00012	0.000065895
47	0.63944	9.826	0.00088	0.000062201
48	0.65334	9.617	0.00063	0.000054293
49	0.66724	9.417	0.00044	0.000048394
50	0.68114	9.224	0.00060	0.000041208
51	0.69504	9.040	0.00062	0.000037968
52	0.70894	8.863	0.00034	0.000033758
53	0.72284	8.692	0.00029	0.000031562
54	0.73675	8.528	0.00035	0.000031655
55	0.75065	8.370	0.00007	0.000031469

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 7 (Rec)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 90

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.035749185
2	0.01390	452.000	0.31845	0.034163586
3	0.02780	226.000	0.88521	0.024245689
4	0.04170	150.667	0.20945	0.020867699
5	0.05560	113.000	0.06998	0.017629485
6	0.06950	90.400	0.01278	0.014405840
7	0.08341	75.333	0.02130	0.004511845
8	0.09731	64.571	0.03360	0.002215080
9	0.11121	56.500	0.03488	0.001640475
10	0.12511	50.222	0.01489	0.001548233
11	0.13901	45.200	0.00742	0.001511988
12	0.15291	41.091	0.01943	0.001163986
13	0.16681	37.667	0.00467	0.000941796
14	0.18071	34.769	0.01811	0.000782597
15	0.19461	32.286	0.00299	0.000772746
16	0.20851	30.133	0.01533	0.000555465
17	0.22241	28.250	0.00088	0.000588543
18	0.23631	26.588	0.00655	0.000384625
19	0.25022	25.111	0.00032	0.000412238
20	0.26412	23.789	0.00758	0.000245438
21	0.27802	22.600	0.00018	0.000268507
22	0.29192	21.524	0.00542	0.000211041
23	0.30582	20.545	0.00066	0.000239582
24	0.31972	19.652	0.00291	0.000167634
25	0.33362	18.833	0.00150	0.000210004
26	0.34752	18.080	0.00283	0.000152148
27	0.36142	17.385	0.00125	0.000154794
28	0.37532	16.741	0.00390	0.000137732
29	0.38922	16.143	0.00033	0.000133685
30	0.40312	15.586	0.00090	0.000110034
31	0.41703	15.067	0.00141	0.000117961
32	0.43093	14.581	0.00114	0.000088061
33	0.44483	14.125	0.00075	0.000086575
34	0.45873	13.697	0.00195	0.000098141
35	0.47263	13.294	0.00127	0.000086543
36	0.48653	12.914	0.00020	0.000099454
37	0.50043	12.556	0.00191	0.000096975
38	0.51433	12.216	0.00039	0.000096025
39	0.52823	11.895	0.00228	0.000082607
40	0.54213	11.590	0.00053	0.000098691
41	0.55603	11.300	0.00187	0.000078510
42	0.56993	11.024	0.00009	0.000100993
43	0.58384	10.762	0.00161	0.000076469
44	0.59774	10.512	0.00014	0.000080422
45	0.61164	10.273	0.00237	0.000066411
46	0.62554	10.044	0.00012	0.000070389
47	0.63944	9.826	0.00088	0.000058877
48	0.65334	9.617	0.00063	0.000064336
49	0.66724	9.417	0.00044	0.000041276
50	0.68114	9.224	0.00060	0.000043159
51	0.69504	9.040	0.00062	0.000037091
52	0.70894	8.863	0.00034	0.000030649
53	0.72284	8.692	0.00029	0.000034809
54	0.73675	8.528	0.00035	0.000032963
55	0.75065	8.370	0.00007	0.000033430

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 7 (Tri)

Heteroscedasticity Reduced-200yr step:Residual

12:22 Friday, October 14, 1994

PER. 91

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.035532350
2	0.01390	452.000	0.31845	0.034296565
3	0.02780	226.000	0.88521	0.030998459
4	0.04170	150.667	0.20945	0.023403639
5	0.05560	113.000	0.06998	0.015476271
6	0.06950	90.400	0.01278	0.008610127
7	0.08341	75.333	0.02130	0.003274676
8	0.09731	64.571	0.03360	0.002166890
9	0.11121	56.500	0.03488	0.001863282
10	0.12511	50.222	0.01489	0.001583987
11	0.13901	45.200	0.00742	0.001310286
12	0.15291	41.091	0.01943	0.001083584
13	0.16681	37.667	0.00467	0.000906960
14	0.18071	34.769	0.01811	0.000861747
15	0.19461	32.286	0.00299	0.000742980
16	0.20851	30.133	0.01533	0.000632998
17	0.22241	28.250	0.00088	0.000504826
18	0.23631	26.588	0.00655	0.000391979
19	0.25022	25.111	0.00032	0.000330973
20	0.26412	23.789	0.00758	0.000284941
21	0.27802	22.600	0.00018	0.000254260
22	0.29192	21.524	0.00542	0.000233663
23	0.30582	20.545	0.00066	0.000205866
24	0.31972	19.652	0.00291	0.000179291
25	0.33362	18.833	0.00150	0.000180864
26	0.34752	18.080	0.00283	0.000170036
27	0.36142	17.385	0.00125	0.000162446
28	0.37532	16.741	0.00390	0.000152722
29	0.38922	16.143	0.00033	0.000124331
30	0.40312	15.586	0.00090	0.000103875
31	0.41703	15.067	0.00141	0.000098280
32	0.43093	14.581	0.00114	0.000091204
33	0.44483	14.125	0.00075	0.000093155
34	0.45873	13.697	0.00195	0.000098787
35	0.47263	13.294	0.00127	0.000091432
36	0.48653	12.914	0.00020	0.000089757
37	0.50043	12.556	0.00191	0.000094460
38	0.51433	12.216	0.00039	0.000093143
39	0.52823	11.895	0.00228	0.000098090
40	0.54213	11.590	0.00053	0.000094723
41	0.55603	11.300	0.00187	0.000087727
42	0.56993	11.024	0.00009	0.000083472
43	0.58384	10.762	0.00161	0.000080833
44	0.59774	10.512	0.00014	0.000077877
45	0.61164	10.273	0.00237	0.000079345
46	0.62554	10.044	0.00012	0.000068729
47	0.63944	9.826	0.00088	0.000060351
48	0.65334	9.617	0.00063	0.000054310
49	0.66724	9.417	0.00044	0.000044352
50	0.68114	9.224	0.00060	0.000043189
51	0.69504	9.040	0.00062	0.000038399
52	0.70894	8.863	0.00034	0.000032166
53	0.72284	8.692	0.00029	0.000029718
54	0.73675	8.528	0.00035	0.000028792
55	0.75065	8.370	0.00007	0.000030681



## Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 7 (Tri)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 92

OBS	FREQ	PERIOD	P_01	S_01
56	0.76455	8.21818	.0008092	0.000035776
57	0.77845	8.07143	.0004351	0.000037661
58	0.79235	7.92982	.0006586	0.000036698
59	0.80625	7.79310	.0001594	0.000036159
60	0.82015	7.66102	.0006323	0.000034534
61	0.83405	7.53333	.0000116	0.000035627
62	0.84795	7.40984	.0010574	0.000038936
63	0.86185	7.29032	.0000343	0.000036033
64	0.87575	7.17460	.0010019	0.000034268
65	0.88965	7.06250	.0000335	0.000029974
66	0.90356	6.95385	.0002073	0.000026746
67	0.91746	6.84848	.0001380	0.000028006
68	0.93136	6.74627	.0008630	0.000028888
69	0.94526	6.64706	.0002699	0.000026900
70	0.95916	6.55072	.0002596	0.000023801
71	0.97306	6.45714	.0001656	0.000019878
72	0.98696	6.36620	.0001472	0.000016873
73	1.00086	6.27778	.0002828	0.000017927
74	1.01476	6.19178	.0001460	0.000018586
75	1.02866	6.10811	.0003779	0.000019309
76	1.04256	6.02667	.0002475	0.000019134
77	1.05646	5.94737	.0002162	0.000017240
78	1.07037	5.87013	.0000455	0.000016047
79	1.08427	5.79487	.0004094	0.000015345
80	1.09817	5.72152	.0000022	0.000014769
81	1.11207	5.65000	.0002905	0.000015403
82	1.12597	5.58025	.0000438	0.000015736
83	1.13987	5.51220	.0004664	0.000016118
84	1.15377	5.44578	.0000001	0.000016475
85	1.16767	5.38095	.0003042	0.000017006
86	1.18157	5.31765	.0000520	0.000016813
87	1.19547	5.25581	.0005185	0.000016849
88	1.20937	5.19540	.0000329	0.000015450
89	1.22328	5.13636	.0001722	0.000014619
90	1.23718	5.07865	.0001064	0.000014545
91	1.25108	5.02222	.0002819	0.000015084
92	1.26498	4.96703	.0001800	0.000016024
93	1.27888	4.91304	.0001924	0.000016364
94	1.29278	4.86022	.0002842	0.000015663
95	1.30668	4.80851	.0001258	0.000013723
96	1.32058	4.75789	.0002064	0.000012224
97	1.33448	4.70833	.0000033	0.000010879
98	1.34838	4.65979	.0002130	0.000010459
99	1.36228	4.61224	.0000583	0.000010404
100	1.37618	4.56566	.0002637	0.000010441
101	1.39009	4.52000	.0000002	0.000010048
102	1.40399	4.47525	.0002151	0.000009713
103	1.41789	4.43137	.0000095	0.000009513
104	1.43179	4.38835	.0002345	0.000009542
105	1.44569	4.34615	.0000087	0.000009561
106	1.45959	4.30476	.0002443	0.000009677
107	1.47349	4.26415	.0000069	0.000009733
108	1.48739	4.22430	.0002032	0.000010092
109	1.50129	4.18519	.0000366	0.000010330
110	1.51519	4.14679	.0002616	0.000010778

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 5 (Rec)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 93

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.043381744
2	0.01390	452.000	0.31845	0.032626773
3	0.02780	226.000	0.88521	0.028672263
4	0.04170	150.667	0.20945	0.023807506
5	0.05560	113.000	0.06998	0.019078320
6	0.06950	90.400	0.01278	0.005524522
7	0.08341	75.333	0.02130	0.002746091
8	0.09731	64.571	0.03360	0.001869307
9	0.11121	56.500	0.03488	0.001783920
10	0.12511	50.222	0.01489	0.001754149
11	0.13901	45.200	0.00742	0.001293753
12	0.15291	41.091	0.01943	0.001026926
13	0.16681	37.667	0.00467	0.000837519
14	0.18071	34.769	0.01811	0.000963494
15	0.19461	32.286	0.00299	0.000668278
16	0.20851	30.133	0.01533	0.000698238
17	0.22241	28.250	0.00088	0.000415016
18	0.23631	26.588	0.00655	0.000488134
19	0.25022	25.111	0.00032	0.000246886
20	0.26412	23.789	0.00758	0.000319017
21	0.27802	22.600	0.00018	0.000225263
22	0.29192	21.524	0.00542	0.000266537
23	0.30582	20.545	0.00066	0.000169735
24	0.31972	19.652	0.00291	0.000211956
25	0.33362	18.833	0.00150	0.000145687
26	0.34752	18.080	0.00283	0.000197278
27	0.36142	17.385	0.00125	0.000156115
28	0.37532	16.741	0.00390	0.000146518
29	0.38922	16.143	0.00033	0.000123947
30	0.40312	15.586	0.00090	0.000122207
31	0.41703	15.067	0.00141	0.000071999
32	0.43093	14.581	0.00114	0.000097825
33	0.44483	14.125	0.00075	0.000103851
34	0.45873	13.697	0.00195	0.000084496
35	0.47263	13.294	0.00127	0.000096757
36	0.48653	12.914	0.00020	0.000091059
37	0.50043	12.556	0.00191	0.000096297
38	0.51433	12.216	0.00039	0.000084479
39	0.52823	11.895	0.00228	0.000111055
40	0.54213	11.590	0.00053	0.000082103
41	0.55603	11.300	0.00187	0.000101503
42	0.56993	11.024	0.00009	0.000067435
43	0.58384	10.762	0.00161	0.000096685
44	0.59774	10.512	0.00014	0.000068919
45	0.61164	10.273	0.00237	0.000081419
46	0.62554	10.044	0.00012	0.000065863
47	0.63944	9.826	0.00088	0.000070734
48	0.65334	9.617	0.00063	0.000042540
49	0.66724	9.417	0.00044	0.000050450
50	0.68114	9.224	0.00060	0.000041881
51	0.69504	9.040	0.00062	0.000036366
52	0.70894	8.863	0.00034	0.000034802
53	0.72284	8.692	0.00029	0.000026344
54	0.73675	8.528	0.00035	0.000029395
55	0.75065	8.370	0.00007	0.000030902

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 5 (Tri)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER.94

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.035363701
2	0.01390	452.000	0.31845	0.034399994
3	0.02780	226.000	0.88521	0.036250614
4	0.04170	150.667	0.20945	0.025376038
5	0.05560	113.000	0.06998	0.013801549
6	0.06950	90.400	0.01278	0.004102349
7	0.08341	75.333	0.02130	0.002312433
8	0.09731	64.571	0.03360	0.002129409
9	0.11121	56.500	0.03488	0.002036577
10	0.12511	50.222	0.01489	0.001611795
11	0.13901	45.200	0.00742	0.001153406
12	0.15291	41.091	0.01943	0.001021050
13	0.16681	37.667	0.00467	0.000879866
14	0.18071	34.769	0.01811	0.000923308
15	0.19461	32.286	0.00299	0.000719829
16	0.20851	30.133	0.01533	0.000693302
17	0.22241	28.250	0.00088	0.000439713
18	0.23631	26.588	0.00655	0.000397698
19	0.25022	25.111	0.00032	0.000267767
20	0.26412	23.789	0.00758	0.000315666
21	0.27802	22.600	0.00018	0.000243179
22	0.29192	21.524	0.00542	0.000251258
23	0.30582	20.545	0.00066	0.000179642
24	0.31972	19.652	0.00291	0.000188357
25	0.33362	18.833	0.00150	0.000158200
26	0.34752	18.080	0.00283	0.000183949
27	0.36142	17.385	0.00125	0.000168398
28	0.37532	16.741	0.00390	0.000164382
29	0.38922	16.143	0.00033	0.000117056
30	0.40312	15.586	0.00090	0.000099083
31	0.41703	15.067	0.00141	0.000082972
32	0.43093	14.581	0.00114	0.000093648
33	0.44483	14.125	0.00075	0.000098273
34	0.45873	13.697	0.00195	0.000099289
35	0.47263	13.294	0.00127	0.000095235
36	0.48653	12.914	0.00020	0.000082214
37	0.50043	12.556	0.00191	0.000092505
38	0.51433	12.216	0.00039	0.000090902
39	0.52823	11.895	0.00228	0.000110133
40	0.54213	11.590	0.00053	0.000091637
41	0.55603	11.300	0.00187	0.000094895
42	0.56993	11.024	0.00009	0.000069844
43	0.58384	10.762	0.00161	0.000084227
44	0.59774	10.512	0.00014	0.000075899
45	0.61164	10.273	0.00237	0.000089404
46	0.62554	10.044	0.00012	0.000067439
47	0.63944	9.826	0.00088	0.000061498
48	0.65334	9.617	0.00063	0.000046512
49	0.66724	9.417	0.00044	0.000046744
50	0.68114	9.224	0.00060	0.000043213
51	0.69504	9.040	0.00062	0.000039416
52	0.70894	8.863	0.00034	0.000033345
53	0.72284	8.692	0.00029	0.000025758
54	0.73675	8.528	0.00035	0.000025548
55	0.75065	8.370	0.00007	0.000028542

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 3 (Rec)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER.95

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.025341146
2	0.01390	452.000	0.31845	0.040374978
3	0.02780	226.000	0.88521	0.037483858
4	0.04170	150.667	0.20945	0.030893007
5	0.05560	113.000	0.06998	0.007751248
6	0.06950	90.400	0.01278	0.002760391
7	0.08341	75.333	0.02130	0.001795409
8	0.09731	64.571	0.03360	0.002381499
9	0.11121	56.500	0.03488	0.002211319
10	0.12511	50.222	0.01489	0.001516913
11	0.13901	45.200	0.00742	0.001107154
12	0.15291	41.091	0.01943	0.000836153
13	0.16681	37.667	0.00467	0.001119843
14	0.18071	34.769	0.01811	0.000683602
15	0.19461	32.286	0.00299	0.000966481
16	0.20851	30.133	0.01533	0.000509406
17	0.22241	28.250	0.00088	0.000604019
18	0.23631	26.588	0.00655	0.000205713
19	0.25022	25.111	0.00032	0.000383362
20	0.26412	23.789	0.00758	0.000214228
21	0.27802	22.600	0.00018	0.000349407
22	0.29192	21.524	0.00542	0.000165902
23	0.30582	20.545	0.00066	0.000238464
24	0.31972	19.652	0.00291	0.000134559
25	0.33362	18.833	0.00150	0.000192049
26	0.34752	18.080	0.00283	0.000147991
27	0.36142	17.385	0.00125	0.000211807
28	0.37532	16.741	0.00390	0.000145396
29	0.38922	16.143	0.00033	0.000135943
30	0.40312	15.586	0.00090	0.000069830
31	0.41703	15.067	0.00141	0.000091477
32	0.43093	14.581	0.00114	0.000087609
33	0.44483	14.125	0.00075	0.000101859
34	0.45873	13.697	0.00195	0.000105350
35	0.47263	13.294	0.00127	0.000090657
36	0.48653	12.914	0.00020	0.000089697
37	0.50043	12.556	0.00191	0.000066289
38	0.51433	12.216	0.00039	0.000121529
39	0.52823	11.895	0.00228	0.000084887
40	0.54213	11.590	0.00053	0.000123983
41	0.55603	11.300	0.00187	0.000066040
42	0.56993	11.024	0.00009	0.000094662
43	0.58384	10.762	0.00161	0.000048829
44	0.59774	10.512	0.00014	0.000109190
45	0.61164	10.273	0.00237	0.000069676
46	0.62554	10.044	0.00012	0.000089347
47	0.63944	9.826	0.00088	0.000043292
48	0.65334	9.617	0.00063	0.000051854
49	0.66724	9.417	0.00044	0.000044391
50	0.68114	9.224	0.00060	0.000043988
51	0.69504	9.040	0.00062	0.000041259
52	0.70894	8.863	0.00034	0.000033001
53	0.72284	8.692	0.00029	0.000025776
54	0.73675	8.528	0.00035	0.000018497
55	0.75065	8.370	0.00007	0.000032371

Spectral Density Estimates: (Population 1541-1992)

Spectral Window: 3 (Tri)

Heteroscedasticity Reduced-200yr step: Residual

12:22 Friday, October 14, 1994

PER. 96

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	0.16587	0.025341146
2	0.01390	452.000	0.31845	0.036616520
3	0.02780	226.000	0.88521	0.045723553
4	0.04170	150.667	0.20945	0.027336702
5	0.05560	113.000	0.06998	0.007205585
6	0.06950	90.400	0.01278	0.002324634
7	0.08341	75.333	0.02130	0.001770360
8	0.09731	64.571	0.03360	0.002454537
9	0.11121	56.500	0.03488	0.002352398
10	0.12511	50.222	0.01489	0.001433853
11	0.13901	45.200	0.00742	0.000977973
12	0.15291	41.091	0.01943	0.001013704
13	0.16681	37.667	0.00467	0.000932800
14	0.18071	34.769	0.01811	0.000873076
15	0.19461	32.286	0.00299	0.000784269
16	0.20851	30.133	0.01533	0.000687131
17	0.22241	28.250	0.00088	0.000470583
18	0.23631	26.588	0.00655	0.000284653
19	0.25022	25.111	0.00032	0.000293869
20	0.26412	23.789	0.00758	0.000311476
21	0.27802	22.600	0.00018	0.000265574
22	0.29192	21.524	0.00542	0.000232159
23	0.30582	20.545	0.00066	0.000192025
24	0.31972	19.652	0.00291	0.000158859
25	0.33362	18.833	0.00150	0.000173840
26	0.34752	18.080	0.00283	0.000167287
27	0.36142	17.385	0.00125	0.000183751
28	0.37532	16.741	0.00390	0.000186712
29	0.38922	16.143	0.00033	0.000108443
30	0.40312	15.586	0.00090	0.000070179
31	0.41703	15.067	0.00141	0.000096688
32	0.43093	14.581	0.00114	0.000088428
33	0.44483	14.125	0.00075	0.000091300
34	0.45873	13.697	0.00195	0.000117780
35	0.47263	13.294	0.00127	0.000093332
36	0.48653	12.914	0.00020	0.000071159
37	0.50043	12.556	0.00191	0.000087764
38	0.51433	12.216	0.00039	0.000098930
39	0.52823	11.895	0.00228	0.000108981
40	0.54213	11.590	0.00053	0.000103554
41	0.55603	11.300	0.00187	0.000086635
42	0.56993	11.024	0.00009	0.000072855
43	0.58384	10.762	0.00161	0.000068655
44	0.59774	10.512	0.00014	0.000084623
45	0.61164	10.273	0.00237	0.000099386
46	0.62554	10.044	0.00012	0.000069408
47	0.63944	9.826	0.00088	0.000049953
48	0.65334	9.617	0.00063	0.000051478
49	0.66724	9.417	0.00044	0.000042113
50	0.68114	9.224	0.00060	0.000044877
51	0.69504	9.040	0.00062	0.000043229
52	0.70894	8.863	0.00034	0.000031524
53	0.72284	8.692	0.00029	0.000025025
54	0.73675	8.528	0.00035	0.000020738
55	0.75065	8.370	0.00007	0.000025592

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
 Spectral Window: 11 (Rec)

PER.97

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	4158147.13	628.849	100668.21	1.62709
2	0.01262	498.000	1049309.86	51.783	97236.71	1.62712
3	0.02523	249.000	1661720.43	2.525	89827.64	1.51356
4	0.03785	166.000	1364156.30	2.014	83420.46	1.62427
5	0.05047	124.500	1399746.41	19.373	71644.05	1.77801
6	0.06308	99.600	958099.31	10.871	65796.68	1.53775
7	0.07570	83.000	483762.34	10.875	60602.02	1.19647
8	0.08832	71.143	375590.12	3.676	54819.50	0.82325
9	0.10093	62.250	478491.45	17.318	46916.89	0.82349
10	0.11355	55.333	33866.76	23.776	43633.16	0.89895
11	0.12617	49.800	241027.34	18.571	41085.68	0.77305
12	0.13879	45.273	331252.10	4.607	42386.12	0.70855
13	0.15140	41.500	249991.46	0.193	47978.29	0.69442
14	0.16402	38.308	569341.61	2.558	55344.01	0.68298
15	0.17664	35.571	910246.76	12.444	63431.37	0.63746
16	0.18925	33.200	1047607.64	1.970	72213.57	0.47707
17	0.20187	31.125	1137859.58	1.954	77834.49	0.35560
18	0.21449	29.294	1256767.54	8.922	84445.16	0.41945
19	0.22710	27.667	1393754.51	2.094	88506.86	0.42140
20	0.23972	26.211	1596407.60	11.025	88746.49	0.40741
21	0.25234	24.900	1247831.37	1.607	85012.92	0.36279
22	0.26495	23.714	1018007.12	1.780	79029.03	0.35022
23	0.27757	22.636	1245045.75	13.432	71630.77	0.34939
24	0.29019	21.652	811440.41	0.463	63206.80	0.31810
25	0.30280	20.750	602465.60	0.624	53214.25	0.34233
26	0.31542	19.920	394155.06	6.277	42614.58	0.29851
27	0.32804	19.154	220453.85	0.232	34211.02	0.29669
28	0.34065	18.444	115198.26	1.840	28758.56	0.29129
29	0.35327	17.786	92321.85	4.597	22923.93	0.21571
30	0.36589	17.172	12482.36	5.443	21235.85	0.22991
31	0.37851	16.600	131215.51	4.969	22032.90	0.25110
32	0.39112	16.065	86206.62	1.355	24734.05	0.23356
33	0.40374	15.563	264312.71	1.034	29078.04	0.25452
34	0.41636	15.091	438524.77	2.985	35331.33	0.25682
35	0.42897	14.647	578095.95	2.425	40618.50	0.23438
36	0.44159	14.229	712642.71	3.553	46564.75	0.21497
37	0.45421	13.833	767535.60	3.853	51518.39	0.25757
38	0.46682	13.459	820923.41	3.130	55277.36	0.26206
39	0.47944	13.105	979590.98	2.157	56637.01	0.27910
40	0.49206	12.769	823167.69	1.496	56014.94	0.27695
41	0.50467	12.450	834432.73	2.759	53106.90	0.26198
42	0.51729	12.146	815958.00	10.857	48606.47	0.23838
43	0.52991	11.857	605809.25	1.976	43362.11	0.23915
44	0.54252	11.581	452257.63	3.390	37481.11	0.21656
45	0.55514	11.318	352534.82	2.687	30565.17	0.20402
46	0.56776	11.067	176118.47	0.357	25290.88	0.21353
47	0.58037	10.826	90547.02	0.291	20246.00	0.20163
48	0.59299	10.596	42608.27	3.959	16026.77	0.13206
49	0.60561	10.375	7991.67	0.007	13540.03	0.12052
50	0.61823	10.163	23600.24	0.424	13532.22	0.12079
51	0.63084	9.960	94102.71	2.809	13887.62	0.10583
52	0.64346	9.765	137078.29	1.115	16013.85	0.14236
53	0.65608	9.577	232732.69	1.240	18570.40	0.14864
54	0.66869	9.396	262066.97	0.381	21461.07	0.14801
55	0.68131	9.222	451177.98	3.427	23881.32	0.15747
56	0.69393	9.055	401662.20	0.618	25534.54	0.16715

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
 Spectral Window: 11 (Tri)

PER. 98

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	4158147.13	628.849	101202.30	2.12215
2	0.01262	498.000	1049309.86	51.783	99952.17	2.03172
3	0.02523	249.000	1661720.43	2.525	97011.17	1.74452
4	0.03785	166.000	1364156.30	2.014	90875.57	1.52726
5	0.05047	124.500	1399746.41	19.373	81799.38	1.35811
6	0.06308	99.600	958099.31	10.871	70740.95	1.14994
7	0.07570	83.000	483762.34	10.875	58498.50	1.01836
8	0.08832	71.143	375590.12	3.676	46989.44	0.95359
9	0.10093	62.250	478491.45	17.318	37397.92	0.99270
10	0.11355	55.333	33866.76	23.776	31376.29	0.98833
11	0.12617	49.800	241027.34	18.571	30536.11	0.88766
12	0.13879	45.273	331252.10	4.607	34239.69	0.75203
13	0.15140	41.500	249991.46	0.193	41374.75	0.63977
14	0.16402	38.308	569341.61	2.558	51554.83	0.55534
15	0.17664	35.571	910246.76	12.444	63576.94	0.49209
16	0.18925	33.200	1047607.64	1.970	75390.88	0.41566
17	0.20187	31.125	1137859.58	1.954	84898.53	0.38700
18	0.21449	29.294	1256767.54	8.922	92660.68	0.42046
19	0.22710	27.667	1393754.51	2.094	97392.61	0.42567
20	0.23972	26.211	1596407.60	11.025	97847.13	0.42344
21	0.25234	24.900	1247831.37	1.607	93373.77	0.39199
22	0.26495	23.714	1018007.12	1.780	85883.19	0.38146
23	0.27757	22.636	1245045.75	13.432	76462.39	0.37148
24	0.29019	21.652	811440.41	0.463	64256.58	0.31659
25	0.30280	20.750	602465.60	0.624	51269.07	0.29142
26	0.31542	19.920	394155.06	6.277	38989.01	0.27910
27	0.32804	19.154	220453.85	0.232	28685.79	0.26640
28	0.34065	18.444	115198.26	1.840	20750.52	0.25850
29	0.35327	17.786	92321.85	4.597	15525.61	0.25301
30	0.36589	17.172	12482.36	5.443	13922.57	0.26224
31	0.37851	16.600	131215.51	4.969	15633.31	0.25629
32	0.39112	16.065	86206.62	1.355	19792.32	0.23827
33	0.40374	15.563	264312.71	1.034	26256.12	0.23505
34	0.41636	15.091	438524.77	2.985	34204.09	0.23254
35	0.42897	14.647	578095.95	2.425	42287.60	0.22421
36	0.44159	14.229	712642.71	3.553	49863.94	0.22142
37	0.45421	13.833	767535.60	3.853	56120.96	0.23895
38	0.46682	13.459	820923.41	3.130	60613.91	0.25480
39	0.47944	13.105	979590.98	2.157	62667.85	0.26730
40	0.49206	12.769	823167.69	1.496	61754.59	0.27849
41	0.50467	12.450	834432.73	2.759	58560.78	0.29045
42	0.51729	12.146	815958.00	10.857	53155.99	0.29622
43	0.52991	11.857	605809.25	1.976	45813.35	0.27059
44	0.54252	11.581	452257.63	3.390	37506.73	0.24477
45	0.55514	11.318	352534.82	2.687	29067.51	0.21181
46	0.56776	11.067	176118.47	0.357	21443.12	0.17795
47	0.58037	10.826	90547.02	0.291	15162.73	0.14829
48	0.59299	10.596	42608.27	3.959	10840.98	0.12618
49	0.60561	10.375	7991.67	0.007	8713.82	0.11141
50	0.61823	10.163	23600.24	0.424	8887.79	0.10855
51	0.63084	9.960	94102.71	2.809	10845.00	0.11267
52	0.64346	9.765	137078.29	1.115	14204.45	0.12227
53	0.65608	9.577	232732.69	1.240	18328.50	0.13028
54	0.66869	9.396	262066.97	0.381	22601.25	0.14202
55	0.68131	9.222	451177.98	3.427	26566.78	0.16373
56	0.69393	9.055	401662.20	0.618	29112.65	0.17420

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
Spectral Window: 9 (Rec)

PER. 99

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW	LOG	RAW	LOG
			P_01	P_02	S_01	S_02
1	0.00000	.	4158147.13	628.849	106096.01	1.79643
2	0.01262	498.000	1049309.86	51.783	102190.99	1.72125
3	0.02523	249.000	1661720.43	2.525	94406.60	1.79960
4	0.03785	166.000	1364156.30	2.014	83034.71	1.80977
5	0.05047	124.500	1399746.41	19.373	77987.57	1.50504
6	0.06308	99.600	958099.31	10.871	69009.08	1.25741
7	0.07570	83.000	483762.34	10.875	61862.29	0.96375
8	0.08832	71.143	375590.12	3.676	50098.37	0.98217
9	0.10093	62.250	478491.45	17.318	40246.99	0.96606
10	0.11355	55.333	33866.76	23.776	32904.60	0.81739
11	0.12617	49.800	241027.34	18.571	32481.49	0.83130
12	0.13879	45.273	331252.10	4.607	37466.98	0.75257
13	0.15140	41.500	249991.46	0.193	44206.92	0.73735
14	0.16402	38.308	569341.61	2.558	51088.39	0.66312
15	0.17664	35.571	910246.76	12.444	63112.44	0.47140
16	0.18925	33.200	1047607.64	1.970	75096.63	0.40468
17	0.20187	31.125	1137859.58	1.954	83200.97	0.37815
18	0.21449	29.294	1256767.54	8.922	89991.72	0.39219
19	0.22710	27.667	1393754.51	2.094	95966.26	0.48833
20	0.23972	26.211	1596407.60	11.025	95092.62	0.38240
21	0.25234	24.900	1247831.37	1.607	91156.70	0.37049
22	0.26495	23.714	1018007.12	1.780	84580.90	0.40871
23	0.27757	22.636	1245045.75	13.432	75417.88	0.33188
24	0.29019	21.652	811440.41	0.463	64112.96	0.32963
25	0.30280	20.750	602465.60	0.624	50813.92	0.27279
26	0.31542	19.920	394155.06	6.277	39891.04	0.30671
27	0.32804	19.154	220453.85	0.232	32050.08	0.33490
28	0.34065	18.444	115198.26	1.840	21803.69	0.22811
29	0.35327	17.786	92321.85	4.597	16966.02	0.23316
30	0.36589	17.172	12482.36	5.443	15516.47	0.25404
31	0.37851	16.600	131215.51	4.969	17142.86	0.21998
32	0.39112	16.065	86206.62	1.355	21494.77	0.24934
33	0.40374	15.563	264312.71	1.034	27262.69	0.26714
34	0.41636	15.091	438524.77	2.985	33704.95	0.25417
35	0.42897	14.647	578095.95	2.425	42256.06	0.22512
36	0.44159	14.229	712642.71	3.553	48374.26	0.19441
37	0.45421	13.833	767535.60	3.853	54990.04	0.20683
38	0.46682	13.459	820923.41	3.130	59867.65	0.29368
39	0.47944	13.105	979590.98	2.157	61346.77	0.28476
40	0.49206	12.769	823167.69	1.496	60234.12	0.29329
41	0.50467	12.450	834432.73	2.759	57050.06	0.28563
42	0.51729	12.146	815958.00	10.857	51820.79	0.25472
43	0.52991	11.857	605809.25	1.976	45362.84	0.22961
44	0.54252	11.581	452257.63	3.390	37078.10	0.24555
45	0.55514	11.318	352534.82	2.687	29870.36	0.23239
46	0.56776	11.067	176118.47	0.357	22701.02	0.21174
47	0.58037	10.826	90547.02	0.291	16318.42	0.14058
48	0.59299	10.596	42608.27	3.959	12173.93	0.13297
49	0.60561	10.375	7991.67	0.007	10232.90	0.11397
50	0.61823	10.163	23600.24	0.424	9432.99	0.09358
51	0.63084	9.960	94102.71	2.809	11865.05	0.12072
52	0.64346	9.765	137078.29	1.115	14615.91	0.12362
53	0.65608	9.577	232732.69	1.240	18395.14	0.13642
54	0.66869	9.396	262066.97	0.381	22249.75	0.14660
55	0.68131	9.222	451177.98	3.427	25950.87	0.17709
56	0.69393	9.055	401662.20	0.618	28147.56	0.16387



Spectral Density Estimates: (War B. Fatalities 1495-1992)  
 Spectral Window: 9 (Tri)

PER. 100

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOW P_02	RAW S_01	LOW S_02
1	0.00000	.	4158147.13	628.849	101437.30	2.33998
2	0.01262	498.000	1049309.86	51.783	101146.97	2.20975
3	0.02523	249.000	1661720.43	2.525	100171.92	1.84614
4	0.03785	166.000	1364156.30	2.014	94155.81	1.48457
5	0.05047	124.500	1399746.41	19.373	86267.72	1.17334
6	0.06308	99.600	958099.31	10.871	72916.43	0.97930
7	0.07570	83.000	483762.34	10.875	57572.95	0.93999
8	0.08832	71.143	375590.12	3.676	43544.22	1.01095
9	0.10093	62.250	478491.45	17.318	33209.57	1.06715
10	0.11355	55.333	33866.76	23.776	25983.27	1.02767
11	0.12617	49.800	241027.34	18.571	25894.30	0.93809
12	0.13879	45.273	331252.10	4.607	30655.26	0.77116
13	0.15140	41.500	249991.46	0.193	38469.20	0.61573
14	0.16402	38.308	569341.61	2.558	49887.59	0.49918
15	0.17664	35.571	910246.76	12.444	63640.98	0.42813
16	0.18925	33.200	1047607.64	1.970	76788.89	0.38863
17	0.20187	31.125	1137859.58	1.954	88006.71	0.40082
18	0.21449	29.294	1256767.54	8.922	96275.51	0.42090
19	0.22710	27.667	1393754.51	2.094	101302.34	0.42755
20	0.23972	26.211	1596407.60	11.025	101851.41	0.43049
21	0.25234	24.900	1247831.37	1.607	97052.55	0.40483
22	0.26495	23.714	1018007.12	1.780	88899.02	0.39520
23	0.27757	22.636	1245045.75	13.432	78588.30	0.38119
24	0.29019	21.652	811440.41	0.463	64718.48	0.31593
25	0.30280	20.750	602465.60	0.624	50413.20	0.26902
26	0.31542	19.920	394155.06	6.277	37393.75	0.27056
27	0.32804	19.154	220453.85	0.232	26254.68	0.25307
28	0.34065	18.444	115198.26	1.840	17226.98	0.24407
29	0.35327	17.786	92321.85	4.597	12270.34	0.26942
30	0.36589	17.172	12482.36	5.443	10704.73	0.27647
31	0.37851	16.600	131215.51	4.969	12817.49	0.25858
32	0.39112	16.065	86206.62	1.355	17617.96	0.24034
33	0.40374	15.563	264312.71	1.034	25014.48	0.22648
34	0.41636	15.091	438524.77	2.985	33708.11	0.22186
35	0.42897	14.647	578095.95	2.425	43022.00	0.21974
36	0.44159	14.229	712642.71	3.553	51315.58	0.22426
37	0.45421	13.833	767535.60	3.853	58146.09	0.23076
38	0.46682	13.459	820923.41	3.130	62962.00	0.25161
39	0.47944	13.105	979590.98	2.157	65321.43	0.26211
40	0.49206	12.769	823167.69	1.496	64280.03	0.27917
41	0.50467	12.450	834432.73	2.759	60960.48	0.30298
42	0.51729	12.146	815958.00	10.857	55157.78	0.32167
43	0.52991	11.857	605809.25	1.976	46891.89	0.28443
44	0.54252	11.581	452257.63	3.390	37518.01	0.25718
45	0.55514	11.318	352534.82	2.687	28408.53	0.21524
46	0.56776	11.067	176118.47	0.357	19750.10	0.16230
47	0.58037	10.826	90547.02	0.291	12926.08	0.12482
48	0.59299	10.596	42608.27	3.959	8559.24	0.12359
49	0.60561	10.375	7991.67	0.007	6590.30	0.10739
50	0.61823	10.163	23600.24	0.424	6844.25	0.10316
51	0.63084	9.960	94102.71	2.809	9506.25	0.11568
52	0.64346	9.765	137078.29	1.115	13408.31	0.11342
53	0.65608	9.577	232732.69	1.240	18222.07	0.12221
54	0.66869	9.396	262066.97	0.381	23102.93	0.13938
55	0.68131	9.222	451177.98	3.427	27748.38	0.16648
56	0.69393	9.055	401662.20	0.618	30687.02	0.17729

## Spectral Density Estimates: (War B. Fatalities 1495-1992)

PER. 101

Spectral Window: 7 (Rec)

RAW + Log of Data

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW	LOG	RAW	LOG
			P_01	P_02	S_01	S_02
1	0.00000	.	4158147.13	628.849	104583.93	1.86923
2	0.01262	498.000	1049309.86	51.783	104988.53	2.06657
3	0.02523	249.000	1661720.43	2.525	96989.61	2.16144
4	0.03785	166.000	1364156.30	2.014	90560.35	1.69639
5	0.05047	124.500	1399746.41	19.373	82901.36	1.14949
6	0.06308	99.600	958099.31	10.871	76412.18	0.75769
7	0.07570	83.000	483762.34	10.875	57906.40	0.99929
8	0.08832	71.143	375590.12	3.676	45138.43	1.18751
9	0.10093	62.250	478491.45	17.318	32991.56	1.01966
10	0.11355	55.333	33866.76	23.776	24941.64	0.89827
11	0.12617	49.800	241027.34	18.571	25914.53	0.80373
12	0.13879	45.273	331252.10	4.607	31992.62	0.90341
13	0.15140	41.500	249991.46	0.193	38462.45	0.72893
14	0.16402	38.308	569341.61	2.558	51012.87	0.48085
15	0.17664	35.571	910246.76	12.444	62560.02	0.37116
16	0.18925	33.200	1047607.64	1.970	74638.77	0.34259
17	0.20187	31.125	1137859.58	1.954	89945.11	0.46574
18	0.21449	29.294	1256767.54	8.922	97658.33	0.45492
19	0.22710	27.667	1393754.51	2.094	98883.37	0.33369
20	0.23972	26.211	1596407.60	11.025	101127.89	0.46399
21	0.25234	24.900	1247831.37	1.607	97417.08	0.44704
22	0.26495	23.714	1018007.12	1.780	89978.84	0.35270
23	0.27757	22.636	1245045.75	13.432	78615.19	0.40025
24	0.29019	21.652	811440.41	0.463	62973.05	0.27756
25	0.30280	20.750	602465.60	0.624	50097.04	0.28021
26	0.31542	19.920	394155.06	6.277	39573.66	0.31222
27	0.32804	19.154	220453.85	0.232	25561.62	0.22140
28	0.34065	18.444	115198.26	1.840	17828.68	0.27263
29	0.35327	17.786	92321.85	4.597	11959.74	0.28094
30	0.36589	17.172	12482.36	5.443	10483.66	0.22133
31	0.37851	16.600	131215.51	4.969	12962.74	0.25262
32	0.39112	16.065	86206.62	1.355	18225.06	0.25928
33	0.40374	15.563	264312.71	1.034	25277.00	0.24741
34	0.41636	15.091	438524.77	2.985	33860.60	0.22933
35	0.42897	14.647	578095.95	2.425	41701.34	0.20843
36	0.44159	14.229	712642.71	3.553	51857.52	0.21755
37	0.45421	13.833	767535.60	3.853	58210.71	0.22280
38	0.46682	13.459	820923.41	3.130	62711.47	0.22023
39	0.47944	13.105	979590.98	2.157	65415.54	0.31609
40	0.49206	12.769	823167.69	1.496	64201.03	0.29816
41	0.50467	12.450	834432.73	2.759	60616.88	0.29289
42	0.51729	12.146	815958.00	10.857	55292.14	0.28786
43	0.52991	11.857	605809.25	1.976	46158.10	0.26739
44	0.54252	11.581	452257.63	3.390	37829.51	0.25369
45	0.55514	11.318	352534.82	2.687	28827.89	0.26734
46	0.56776	11.067	176118.47	0.357	19642.76	0.14399
47	0.58037	10.826	90547.02	0.291	13024.08	0.12635
48	0.59299	10.596	42608.27	3.959	8952.50	0.11975
49	0.60561	10.375	7991.67	0.007	6503.15	0.10188
50	0.61823	10.163	23600.24	0.424	7146.75	0.11193
51	0.63084	9.960	94102.71	2.809	9096.62	0.11295
52	0.64346	9.765	137078.29	1.115	13741.33	0.10690
53	0.65608	9.577	232732.69	1.240	18216.66	0.11385
54	0.66869	9.396	262066.97	0.381	23291.75	0.17050
55	0.68131	9.222	451177.98	3.427	27268.76	0.15172
56	0.69393	9.055	401662.20	0.618	30737.28	0.18308

## Spectral Density Estimates: (War B. Fatalities 1495-1992)

PER. 102

Spectral Window: 7 (Tri)

Raw + Log of Data

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	Raw	Log	Raw	Log
			P_01	P_02	S_01	S_02
1	0.00000	.	4158147.13	628.849	98816.78	2.64573
2	0.01262	498.000	1049309.86	51.783	100559.71	2.48453
3	0.02523	249.000	1661720.43	2.525	103414.91	1.87233
4	0.03785	166.000	1364156.30	2.014	100411.43	1.30165
5	0.05047	124.500	1399746.41	19.373	90925.31	0.98677
6	0.06308	99.600	958099.31	10.871	75114.31	0.82286
7	0.07570	83.000	483762.34	10.875	55160.20	0.92662
8	0.08832	71.143	375590.12	3.676	39857.51	1.02714
9	0.10093	62.250	478491.45	17.318	29251.02	1.12402
10	0.11355	55.333	33866.76	23.776	22090.02	1.14595
11	0.12617	49.800	241027.34	18.571	22189.00	0.99816
12	0.13879	45.273	331252.10	4.607	26823.67	0.78161
13	0.15140	41.500	249991.46	0.193	35241.73	0.54732
14	0.16402	38.308	569341.61	2.558	49212.14	0.40696
15	0.17664	35.571	910246.76	12.444	63938.29	0.40378
16	0.18925	33.200	1047607.64	1.970	77740.79	0.37961
17	0.20187	31.125	1137859.58	1.954	90709.94	0.41357
18	0.21449	29.294	1256767.54	8.922	99810.15	0.43706
19	0.22710	27.667	1393754.51	2.094	104303.88	0.39336
20	0.23972	26.211	1596407.60	11.025	105653.23	0.45754
21	0.25234	24.900	1247831.37	1.607	100368.97	0.42415
22	0.26495	23.714	1018007.12	1.780	91327.96	0.38760
23	0.27757	22.636	1245045.75	13.432	80371.67	0.40894
24	0.29019	21.652	811440.41	0.463	65059.09	0.30823
25	0.30280	20.750	602465.60	0.624	50187.79	0.26690
26	0.31542	19.920	394155.06	6.277	35989.03	0.25022
27	0.32804	19.154	220453.85	0.232	22994.77	0.20703
28	0.34065	18.444	115198.26	1.840	14652.58	0.25305
29	0.35327	17.786	92321.85	4.597	9629.02	0.28981
30	0.36589	17.172	12482.36	5.443	7998.12	0.28909
31	0.37851	16.600	131215.51	4.969	10384.47	0.28028
32	0.39112	16.065	86206.62	1.355	15437.25	0.23528
33	0.40374	15.563	264312.71	1.034	23749.86	0.20361
34	0.41636	15.091	438524.77	2.985	33709.89	0.20369
35	0.42897	14.647	578095.95	2.425	43452.85	0.21671
36	0.44159	14.229	712642.71	3.553	52970.08	0.24105
37	0.45421	13.833	767535.60	3.853	59921.37	0.24423
38	0.46682	13.459	820923.41	3.130	64702.57	0.22794
39	0.47944	13.105	979590.98	2.157	67557.17	0.24937
40	0.49206	12.769	823167.69	1.496	66555.86	0.27123
41	0.50467	12.450	834432.73	2.759	63160.09	0.31274
42	0.51729	12.146	815958.00	10.857	57034.84	0.35933
43	0.52991	11.857	605809.25	1.976	47751.98	0.31526
44	0.54252	11.581	452257.63	3.390	37765.46	0.26372
45	0.55514	11.318	352534.82	2.687	27586.26	0.20559
46	0.56776	11.067	176118.47	0.357	18090.21	0.13449
47	0.58037	10.826	90547.02	0.291	11017.89	0.11595
48	0.59299	10.596	42608.27	3.959	6525.97	0.11831
49	0.60561	10.375	7991.67	0.007	4541.33	0.10370
50	0.61823	10.163	23600.24	0.424	5388.08	0.10855
51	0.63084	9.960	94102.71	2.809	8179.42	0.11285
52	0.64346	9.765	137078.29	1.115	12729.03	0.10769
53	0.65608	9.577	232732.69	1.240	18124.72	0.11421
54	0.66869	9.396	262066.97	0.381	23582.84	0.13532
55	0.68131	9.222	451177.98	3.427	28759.49	0.16051
56	0.69393	9.055	401662.20	0.618	32115.46	0.18485

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
 Spectral Window: 5 (Rec)

PER.103

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	4158147.13	628.849	102995.06	2.55281
2	0.01262	498.000	1049309.86	51.783	98259.18	2.54469
3	0.02523	249.000	1661720.43	2.525	103836.55	2.02886
4	0.03785	166.000	1364156.30	2.014	102384.89	1.37772
5	0.05047	124.500	1399746.41	19.373	93383.92	0.72664
6	0.06308	99.600	958099.31	10.871	72914.52	0.74496
7	0.07570	83.000	483762.34	10.875	58818.73	0.98854
8	0.08832	71.143	375590.12	3.676	37080.08	1.05862
9	0.10093	62.250	478491.45	17.318	25667.52	1.18118
10	0.11355	55.333	33866.76	23.776	23240.25	1.08143
11	0.12617	49.800	241027.34	18.571	21241.28	1.02600
12	0.13879	45.273	331252.10	4.607	22687.21	0.79109
13	0.15140	41.500	249991.46	0.193	36635.23	0.61074
14	0.16402	38.308	569341.61	2.558	49472.35	0.34652
15	0.17664	35.571	910246.76	12.444	62309.91	0.30430
16	0.18925	33.200	1047607.64	1.970	78333.25	0.44324
17	0.20187	31.125	1137859.58	1.954	91454.19	0.43585
18	0.21449	29.294	1256767.54	8.922	102374.78	0.41326
19	0.22710	27.667	1393754.51	2.094	105561.44	0.40747
20	0.23972	26.211	1596407.60	11.025	103653.92	0.40471
21	0.25234	24.900	1247831.37	1.607	103467.37	0.47648
22	0.26495	23.714	1018007.12	1.780	94199.55	0.45052
23	0.27757	22.636	1245045.75	13.432	78380.47	0.28498
24	0.29019	21.652	811440.41	0.463	64793.79	0.35931
25	0.30280	20.750	602465.60	0.624	52100.34	0.33467
26	0.31542	19.920	394155.06	6.277	34118.25	0.15018
27	0.32804	19.154	220453.85	0.232	22673.13	0.21597
28	0.34065	18.444	115198.26	1.840	13283.25	0.29267
29	0.35327	17.786	92321.85	4.597	9098.44	0.27185
30	0.36589	17.172	12482.36	5.443	6961.83	0.28971
31	0.37851	16.600	131215.51	4.969	9335.06	0.27689
32	0.39112	16.065	86206.62	1.355	14845.05	0.25123
33	0.40374	15.563	264312.71	1.034	23847.07	0.20320
34	0.41636	15.091	438524.77	2.985	33100.77	0.18067
35	0.42897	14.647	578095.95	2.425	43944.46	0.22043
36	0.44159	14.229	712642.71	3.553	52803.19	0.25378
37	0.45421	13.833	767535.60	3.853	61414.53	0.24061
38	0.46682	13.459	820923.41	3.130	65314.97	0.22581
39	0.47944	13.105	979590.98	2.157	67253.32	0.21318
40	0.49206	12.769	823167.69	1.496	68023.98	0.32465
41	0.50467	12.450	834432.73	2.759	64600.33	0.30628
42	0.51729	12.146	815958.00	10.857	56207.56	0.32591
43	0.52991	11.857	605809.25	1.976	48717.21	0.34487
44	0.54252	11.581	452257.63	3.390	38239.81	0.30663
45	0.55514	11.318	352534.82	2.687	26694.54	0.13846
46	0.56776	11.067	176118.47	0.357	17730.91	0.17003
47	0.58037	10.826	90547.02	0.291	10660.20	0.11619
48	0.59299	10.596	42608.27	3.959	5425.05	0.08018
49	0.60561	10.375	7991.67	0.007	4119.72	0.11921
50	0.61823	10.163	23600.24	0.424	4860.29	0.13233
51	0.63084	9.960	94102.71	2.809	7886.22	0.08906
52	0.64346	9.765	137078.29	1.115	11929.95	0.09501
53	0.65608	9.577	232732.69	1.240	18735.06	0.14280
54	0.66869	9.396	262066.97	0.381	23630.02	0.10793
55	0.68131	9.222	451177.98	3.427	28929.08	0.17624
56	0.69393	9.055	401662.20	0.618	32290.53	0.17493

## Spectral Density Estimates: (War B. Fatalities 1495-1992)

Spectral Window: 5 (Tri)

PER.104

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW	LOG	RAW	LOG
			P_01	P_02	S_01	S_02
1	0.00000	.	4158147.13	628.849	94331.22	3.24967
2	0.01262	498.000	1049309.86	51.783	97115.08	2.80962
3	0.02523	249.000	1661720.43	2.525	108412.37	1.64746
4	0.03785	166.000	1364156.30	2.014	108073.38	0.99463
5	0.05047	124.500	1399746.41	19.373	97166.15	0.86020
6	0.06308	99.600	958099.31	10.871	74104.86	0.87355
7	0.07570	83.000	483762.34	10.875	53024.27	0.87011
8	0.08832	71.143	375590.12	3.676	35750.13	0.90240
9	0.10093	62.250	478491.45	17.318	26341.72	1.20519
10	0.11355	55.333	33866.76	23.776	19872.09	1.33859
11	0.12617	49.800	241027.34	18.571	19291.37	1.14938
12	0.13879	45.273	331252.10	4.607	22803.39	0.68687
13	0.15140	41.500	249991.46	0.193	32736.72	0.40606
14	0.16402	38.308	569341.61	2.558	47811.57	0.34949
15	0.17664	35.571	910246.76	12.444	65010.28	0.42916
16	0.18925	33.200	1047607.64	1.970	80153.48	0.40839
17	0.20187	31.125	1137859.58	1.954	91304.81	0.37300
18	0.21449	29.294	1256767.54	8.922	101483.79	0.42316
19	0.22710	27.667	1393754.51	2.094	108519.84	0.43978
20	0.23972	26.211	1596407.60	11.025	109172.95	0.45252
21	0.25234	24.900	1247831.37	1.607	102664.87	0.40635
22	0.26495	23.714	1018007.12	1.780	92377.27	0.41475
23	0.27757	22.636	1245045.75	13.432	81737.82	0.41569
24	0.29019	21.652	811440.41	0.463	66681.55	0.33208
25	0.30280	20.750	602465.60	0.624	50258.37	0.25655
26	0.31542	19.920	394155.06	6.277	33200.98	0.20200
27	0.32804	19.154	220453.85	0.232	20998.33	0.19586
28	0.34065	18.444	115198.26	1.840	12182.28	0.23783
29	0.35327	17.786	92321.85	4.597	7816.24	0.29671
30	0.36589	17.172	12482.36	5.443	6064.92	0.34178
31	0.37851	16.600	131215.51	4.969	8379.15	0.30180
32	0.39112	16.065	86206.62	1.355	13268.95	0.21661
33	0.40374	15.563	264312.71	1.034	22562.09	0.16954
34	0.41636	15.091	438524.77	2.985	33592.67	0.18374
35	0.42897	14.647	578095.95	2.425	44815.12	0.22315
36	0.44159	14.229	712642.71	3.553	53835.39	0.25933
37	0.45421	13.833	767535.60	3.853	61251.89	0.26090
38	0.46682	13.459	820923.41	3.130	66251.20	0.23394
39	0.47944	13.105	979590.98	2.157	69222.88	0.19747
40	0.49206	12.769	823167.69	1.496	68387.39	0.25028
41	0.50467	12.450	834432.73	2.759	65138.14	0.32817
42	0.51729	12.146	815958.00	10.857	58390.26	0.41492
43	0.52991	11.857	605809.25	1.976	48991.66	0.35250
44	0.54252	11.581	452257.63	3.390	37715.63	0.27152
45	0.55514	11.318	352534.82	2.687	26620.55	0.15757
46	0.56776	11.067	176118.47	0.357	16882.67	0.12710
47	0.58037	10.826	90547.02	0.291	9457.53	0.10785
48	0.59299	10.596	42608.27	3.959	4638.67	0.11719
49	0.60561	10.375	7991.67	0.007	3015.47	0.10511
50	0.61823	10.163	23600.24	0.424	4020.22	0.10592
51	0.63084	9.960	94102.71	2.809	7466.04	0.11276
52	0.64346	9.765	137078.29	1.115	11941.69	0.10830
53	0.65608	9.577	232732.69	1.240	18053.20	0.11449
54	0.66869	9.396	262066.97	0.381	23809.25	0.10797
55	0.68131	9.222	451177.98	3.427	29918.95	0.16735
56	0.69393	9.055	401662.20	0.618	33187.38	0.18622

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
 Spectral Window: 3 (Rec)

PER.105

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	4158147.13	628.849	83501.43	4.12075
2	0.01262	498.000	1049309.86	51.783	99746.12	2.81413
3	0.02523	249.000	1661720.43	2.525	108097.68	1.49397
4	0.03785	166.000	1364156.30	2.014	117393.30	0.63427
5	0.05047	124.500	1399746.41	19.373	98729.17	0.85565
6	0.06308	99.600	958099.31	10.871	75375.99	1.09068
7	0.07570	83.000	483762.34	10.875	48209.41	0.67430
8	0.08832	71.143	375590.12	3.676	35487.41	0.84533
9	0.10093	62.250	478491.45	17.318	23553.56	1.18756
10	0.11355	55.333	33866.76	23.776	19984.17	1.58269
11	0.12617	49.800	241027.34	18.571	16078.53	1.24551
12	0.13879	45.273	331252.10	4.607	21811.41	0.61993
13	0.15140	41.500	249991.46	0.193	30520.22	0.19518
14	0.16402	38.308	569341.61	2.558	45878.53	0.40307
15	0.17664	35.571	910246.76	12.444	67035.96	0.45023
16	0.18925	33.200	1047607.64	1.970	82116.36	0.43419
17	0.20187	31.125	1137859.58	1.954	91308.11	0.34077
18	0.21449	29.294	1256767.54	8.922	100489.94	0.34405
19	0.22710	27.667	1393754.51	2.094	112653.31	0.58467
20	0.23972	26.211	1596407.60	11.025	112416.27	0.39061
21	0.25234	24.900	1247831.37	1.607	102449.26	0.38229
22	0.26495	23.714	1018007.12	1.780	93129.10	0.44614
23	0.27757	22.636	1245045.75	13.432	81553.47	0.41581
24	0.29019	21.652	811440.41	0.463	70530.89	0.38512
25	0.30280	20.750	602465.60	0.624	47960.31	0.19533
26	0.31542	19.920	394155.06	6.277	32283.90	0.18921
27	0.32804	19.154	220453.85	0.232	19358.74	0.22147
28	0.34065	18.444	115198.26	1.840	11352.36	0.17690
29	0.35327	17.786	92321.85	4.597	5835.75	0.31512
30	0.36589	17.172	12482.36	5.443	6260.62	0.39811
31	0.37851	16.600	131215.51	4.969	6098.41	0.31212
32	0.39112	16.065	86206.62	1.355	12778.41	0.19516
33	0.40374	15.563	264312.71	1.034	20930.04	0.14254
34	0.41636	15.091	438524.77	2.985	33977.81	0.17094
35	0.42897	14.647	578095.95	2.425	45870.14	0.23775
36	0.44159	14.229	712642.71	3.553	54597.42	0.26078
37	0.45421	13.833	767535.60	3.853	61038.62	0.27947
38	0.46682	13.459	820923.41	3.130	68119.64	0.24244
39	0.47944	13.105	979590.98	2.157	69595.33	0.17991
40	0.49206	12.769	823167.69	1.496	69953.67	0.17008
41	0.50467	12.450	834432.73	2.759	65613.17	0.40085
42	0.51729	12.146	815958.00	10.857	59847.56	0.41359
43	0.52991	11.857	605809.25	1.976	49710.05	0.43031
44	0.54252	11.581	452257.63	3.390	37417.37	0.21359
45	0.55514	11.318	352534.82	2.687	26019.47	0.17066
46	0.56776	11.067	176118.47	0.357	16424.80	0.08845
47	0.58037	10.826	90547.02	0.291	8203.74	0.12220
48	0.59299	10.596	42608.27	3.959	3744.04	0.11292
49	0.60561	10.375	7991.67	0.007	1968.22	0.11646
50	0.61823	10.163	23600.24	0.424	3334.15	0.08595
51	0.63084	9.960	94102.71	2.809	6758.28	0.11535
52	0.64346	9.765	137078.29	1.115	12305.69	0.13699
53	0.65608	9.577	232732.69	1.240	16761.08	0.07258
54	0.66869	9.396	262066.97	0.381	25092.84	0.13391
55	0.68131	9.222	451177.98	3.427	29573.83	0.11740
56	0.69393	9.055	401662.20	0.618	35090.17	0.25073

Spectral Density Estimates: (War B. Fatalities 1495-1992)  
Spectral Window: 3 (Tri)

PER. 106

10:35 Monday, October 17, 1994

OBS	FREQ	PERIOD	RAW P_01	LOG P_02	RAW S_01	LOG S_02
1	0.00000	.	4158147.13	628.849	83501.43	4.12075
2	0.01262	498.000	1049309.86	51.783	95684.95	3.14079
3	0.02523	249.000	1661720.43	2.525	114132.14	1.17071
4	0.03785	166.000	1364156.30	2.014	115184.00	0.51577
5	0.05047	124.500	1399746.41	19.373	101893.95	1.02715
6	0.06308	99.600	958099.31	10.871	75592.78	1.03428
7	0.07570	83.000	483762.34	10.875	45781.20	0.72207
8	0.08832	71.143	375590.12	3.676	34087.69	0.70712
9	0.10093	62.250	478491.45	17.318	27184.46	1.23521
10	0.11355	55.333	33866.76	23.776	15661.89	1.66003
11	0.12617	49.800	241027.34	18.571	16853.98	1.30360
12	0.13879	45.273	331252.10	4.607	22948.61	0.55660
13	0.15140	41.500	249991.46	0.193	27863.59	0.15021
14	0.16402	38.308	569341.61	2.558	45735.59	0.35320
15	0.17664	35.571	910246.76	12.444	68385.75	0.58524
16	0.18925	33.200	1047607.64	1.970	82428.76	0.36484
17	0.20187	31.125	1137859.58	1.954	91118.08	0.29445
18	0.21449	29.294	1256767.54	8.922	100370.05	0.43555
19	0.22710	27.667	1393754.51	2.094	112217.85	0.48017
20	0.23972	26.211	1596407.60	11.025	116071.72	0.51229
21	0.25234	24.900	1247831.37	1.607	101661.76	0.31868
22	0.26495	23.714	1018007.12	1.780	90099.43	0.37003
23	0.27757	22.636	1245045.75	13.432	85934.50	0.57908
24	0.29019	21.652	811440.41	0.463	69041.26	0.29805
25	0.30280	20.750	602465.60	0.624	47955.90	0.15890
26	0.31542	19.920	394155.06	6.277	32054.39	0.26678
27	0.32804	19.154	220453.85	0.232	18904.84	0.17072
28	0.34065	18.444	115198.26	1.840	10806.07	0.16927
29	0.35327	17.786	92321.85	4.597	6213.49	0.32779
30	0.36589	17.172	12482.36	5.443	4943.79	0.40688
31	0.37851	16.600	131215.51	4.969	7184.25	0.33294
32	0.39112	16.065	86206.62	1.355	11298.84	0.17333
33	0.40374	15.563	264312.71	1.034	20955.87	0.12747
34	0.41636	15.091	438524.77	2.985	34207.53	0.18758
35	0.42897	14.647	578095.95	2.425	45903.46	0.22656
36	0.44159	14.229	712642.71	3.553	55125.64	0.26627
37	0.45421	13.833	767535.60	3.853	61048.60	0.28625
38	0.46682	13.459	820923.41	3.130	67421.48	0.24410
39	0.47944	13.105	979590.98	2.157	71684.84	0.17784
40	0.49206	12.769	823167.69	1.496	68841.66	0.15731
41	0.50467	12.450	834432.73	2.759	65810.39	0.35554
42	0.51729	12.146	815958.00	10.857	61118.64	0.52618
43	0.52991	11.857	605809.25	1.976	49334.73	0.36204
44	0.54252	11.581	452257.63	3.390	37060.41	0.22764
45	0.55514	11.318	352534.82	2.687	26528.06	0.18145
46	0.56776	11.067	176118.47	0.357	15822.36	0.07343
47	0.58037	10.826	90547.02	0.291	7954.18	0.09743
48	0.59299	10.596	42608.27	3.959	3655.69	0.16345
49	0.60561	10.375	7991.67	0.007	1635.15	0.08748
50	0.61823	10.163	23600.24	0.424	2970.13	0.07291
51	0.63084	9.960	94102.71	2.809	6940.83	0.14240
52	0.64346	9.765	137078.29	1.115	11956.36	0.12492
53	0.65608	9.577	232732.69	1.240	17200.88	0.07911
54	0.66869	9.396	262066.97	0.381	24033.28	0.10801
55	0.68131	9.222	451177.98	3.427	31156.27	0.15623
56	0.69393	9.055	401662.20	0.618	34308.44	0.20034

Spectral Density Estimates: (War B. Fatalities) 1495-1992)

Spectral Window: 11 (Rec)

PER. 107

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	5.949697025
2	0.01262	498.000	232.220	5.855547600
3	0.02523	249.000	8.096	5.713966002
4	0.03785	166.000	2.705	5.874770015
5	0.05047	124.500	29.699	5.948893200
6	0.06308	99.600	22.385	4.453900612
7	0.07570	83.000	9.371	2.800009149
8	0.08832	71.143	10.128	1.127958555
9	0.10093	62.250	24.933	1.076625882
10	0.11355	55.333	18.342	1.117918630
11	0.12617	49.800	25.567	0.919287124
12	0.13879	45.273	3.602	0.774786628
13	0.15140	41.500	1.092	0.787479894
14	0.16402	38.308	1.000	0.741437810
15	0.17664	35.571	8.413	0.656175704
16	0.18925	33.200	2.242	0.531238115
17	0.20187	31.125	2.411	0.364924116
18	0.21449	29.294	11.125	0.416121169
19	0.22710	27.667	3.763	0.412032076
20	0.23972	26.211	13.147	0.414325499
21	0.25234	24.900	1.072	0.412648896
22	0.26495	23.714	2.577	0.396588157
23	0.27757	22.636	10.679	0.395529332
24	0.29019	21.652	0.527	0.346642838
25	0.30280	20.750	1.317	0.357570093
26	0.31542	19.920	8.181	0.294484073
27	0.32804	19.154	0.022	0.300983867
28	0.34065	18.444	2.264	0.293238888
29	0.35327	17.786	4.368	0.234118519
30	0.36589	17.172	5.274	0.247196729
31	0.37851	16.600	4.427	0.265969879
32	0.39112	16.065	1.970	0.241939061
33	0.40374	15.563	1.507	0.269094916
34	0.41636	15.091	2.507	0.272540435
35	0.42897	14.647	2.335	0.249908333
36	0.44159	14.229	3.912	0.229830798
37	0.45421	13.833	4.859	0.266311553
38	0.46682	13.459	3.775	0.265687694
39	0.47944	13.105	2.740	0.278290944
40	0.49206	12.769	1.239	0.283593771
41	0.50467	12.450	2.498	0.270977976
42	0.51729	12.146	9.469	0.245321165
43	0.52991	11.857	1.884	0.239470453
44	0.54252	11.581	3.249	0.212254239
45	0.55514	11.318	3.240	0.194340359
46	0.56776	11.067	0.591	0.206561591
47	0.58037	10.826	0.366	0.194646868
48	0.59299	10.596	4.051	0.133610435
49	0.60561	10.375	0.013	0.121881325
50	0.61823	10.163	0.264	0.121374597
51	0.63084	9.960	2.928	0.101356238
52	0.64346	9.765	0.851	0.141082812
53	0.65608	9.577	1.032	0.149122737
54	0.66869	9.396	0.263	0.150211662
55	0.68131	9.222	3.179	0.158305872



Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 11 (Tri)

PER. 108

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	8.753684780
2	0.01262	498.000	232.220	8.261080220
3	0.02523	249.000	8.096	6.813707973
4	0.03785	166.000	2.705	5.451306570
5	0.05047	124.500	29.699	4.123470216
6	0.06308	99.600	22.385	2.738747952
7	0.07570	83.000	9.371	1.776343323
8	0.08832	71.143	10.128	1.288243465
9	0.10093	62.250	24.933	1.270898093
10	0.11355	55.333	18.342	1.179817130
11	0.12617	49.800	25.567	1.018581987
12	0.13879	45.273	3.602	0.815293854
13	0.15140	41.500	1.092	0.670154428
14	0.16402	38.308	1.000	0.549219718
15	0.17664	35.571	8.413	0.475312463
16	0.18925	33.200	2.242	0.421694986
17	0.20187	31.125	2.411	0.404408103
18	0.21449	29.294	11.125	0.456584968
19	0.22710	27.667	3.763	0.468704439
20	0.23972	26.211	13.147	0.469511644
21	0.25234	24.900	1.072	0.432490599
22	0.26495	23.714	2.577	0.409375904
23	0.27757	22.636	10.679	0.384828062
24	0.29019	21.652	0.527	0.328051370
25	0.30280	20.750	1.317	0.305195664
26	0.31542	19.920	8.181	0.294621180
27	0.32804	19.154	0.022	0.281294802
28	0.34065	18.444	2.264	0.273572019
29	0.35327	17.786	4.368	0.267077319
30	0.36589	17.172	5.274	0.270039969
31	0.37851	16.600	4.427	0.259499381
32	0.39112	16.065	1.970	0.243041129
33	0.40374	15.563	1.507	0.244302459
34	0.41636	15.091	2.507	0.245009032
35	0.42897	14.647	2.335	0.242376976
36	0.44159	14.229	3.912	0.244601325
37	0.45421	13.833	4.859	0.262120195
38	0.46682	13.459	3.775	0.272105765
39	0.47944	13.105	2.740	0.276936725
40	0.49206	12.769	1.239	0.280143961
41	0.50467	12.450	2.498	0.284719892
42	0.51729	12.146	9.469	0.284218728
43	0.52991	11.857	1.884	0.259454628
44	0.54252	11.581	3.249	0.237132542
45	0.55514	11.318	3.240	0.209377651
46	0.56776	11.067	0.591	0.179830576
47	0.58037	10.826	0.366	0.152293584
48	0.59299	10.596	4.051	0.130945452
49	0.60561	10.375	0.013	0.113202458
50	0.61823	10.163	0.264	0.106591528
51	0.63084	9.960	2.928	0.107038517
52	0.64346	9.765	0.851	0.115144653
53	0.65608	9.577	1.032	0.124056732
54	0.66869	9.396	0.263	0.138499064
55	0.68131	9.222	3.179	0.163236712

Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

PER. 109

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	6.876000599
2	0.01262	498.000	232.220	6.811333732
3	0.02523	249.000	8.096	6.870270869
4	0.03785	166.000	2.705	6.888237022
5	0.05047	124.500	29.699	5.055419884
6	0.06308	99.600	22.385	3.164324707
7	0.07570	83.000	9.371	1.337111543
8	0.08832	71.143	10.128	1.297378826
9	0.10093	62.250	24.933	1.283116809
10	0.11355	55.333	18.342	1.029366547
11	0.12617	49.800	25.567	0.905826804
12	0.13879	45.273	3.602	0.842793351
13	0.15140	41.500	1.092	0.774558942
14	0.16402	38.308	1.000	0.652471832
15	0.17664	35.571	8.413	0.523569323
16	0.18925	33.200	2.242	0.413756108
17	0.20187	31.125	2.411	0.391382331
18	0.21449	29.294	11.125	0.404513896
19	0.22710	27.667	3.763	0.490095288
20	0.23972	26.211	13.147	0.420366577
21	0.25234	24.900	1.072	0.412191227
22	0.26495	23.714	2.577	0.463214020
23	0.27757	22.636	10.679	0.365036784
24	0.29019	21.652	0.527	0.351781913
25	0.30280	20.750	1.317	0.274153885
26	0.31542	19.920	8.181	0.311308407
27	0.32804	19.154	0.022	0.327662722
28	0.34065	18.444	2.264	0.250658962
29	0.35327	17.786	4.368	0.259322221
30	0.36589	17.172	5.274	0.269842313
31	0.37851	16.600	4.427	0.218147262
32	0.39112	16.065	1.970	0.252546665
33	0.40374	15.563	1.507	0.275492578
34	0.41636	15.091	2.507	0.270255991
35	0.42897	14.647	2.335	0.247856775
36	0.44159	14.229	3.912	0.219672426
37	0.45421	13.833	4.859	0.224343546
38	0.46682	13.459	3.775	0.294751535
39	0.47944	13.105	2.740	0.289243509
40	0.49206	12.769	1.239	0.297326261
41	0.50467	12.450	2.498	0.291382625
42	0.51729	12.146	9.469	0.253639270
43	0.52991	11.857	1.884	0.223489858
44	0.54252	11.581	3.249	0.235073711
45	0.55514	11.318	3.240	0.224234320
46	0.56776	11.067	0.591	0.204479572
47	0.58037	10.826	0.366	0.146644694
48	0.59299	10.596	4.051	0.137515870
49	0.60561	10.375	0.013	0.117919802
50	0.61823	10.163	0.264	0.091594964
51	0.63084	9.960	2.928	0.114477687
52	0.64346	9.765	0.851	0.115425492
53	0.65608	9.577	1.032	0.133387709
54	0.66869	9.396	0.263	0.146329132
55	0.68131	9.222	3.179	0.181138637

Spectral Density Estimates: (War B. Fatalities: 1495-1992)  
 Spectral Window: 9 (Tri)

PER. 110

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	9.987439392
2	0.01262	498.000	232.220	9.319514573
3	0.02523	249.000	8.096	7.297594441
4	0.03785	166.000	2.705	5.264982654
5	0.05047	124.500	29.699	3.320284102
6	0.06308	99.600	22.385	1.984080781
7	0.07570	83.000	9.371	1.325930359
8	0.08832	71.143	10.128	1.358768826
9	0.10093	62.250	24.933	1.356377866
10	0.11355	55.333	18.342	1.207052469
11	0.12617	49.800	25.567	1.062271727
12	0.13879	45.273	3.602	0.833117033
13	0.15140	41.500	1.092	0.618531223
14	0.16402	38.308	1.000	0.464643757
15	0.17664	35.571	8.413	0.395732637
16	0.18925	33.200	2.242	0.373496009
17	0.20187	31.125	2.411	0.421781058
18	0.21449	29.294	11.125	0.474389040
19	0.22710	27.667	3.763	0.493640278
20	0.23972	26.211	13.147	0.493793548
21	0.25234	24.900	1.072	0.441220948
22	0.26495	23.714	2.577	0.415002513
23	0.27757	22.636	10.679	0.380119503
24	0.29019	21.652	0.527	0.319871124
25	0.30280	20.750	1.317	0.282150915
26	0.31542	19.920	8.181	0.294681506
27	0.32804	19.154	0.022	0.272631613
28	0.34065	18.444	2.264	0.264918596
29	0.35327	17.786	4.368	0.281579191
30	0.36589	17.172	5.274	0.280090995
31	0.37851	16.600	4.427	0.256652362
32	0.39112	16.065	1.970	0.243526039
33	0.40374	15.563	1.507	0.233393777
34	0.41636	15.091	2.507	0.232895215
35	0.42897	14.647	2.335	0.239063179
36	0.44159	14.229	3.912	0.251100356
37	0.45421	13.833	4.859	0.260275997
38	0.46682	13.459	3.775	0.274929715
39	0.47944	13.105	2.740	0.276340868
40	0.49206	12.769	1.239	0.278626045
41	0.50467	12.450	2.498	0.290766334
42	0.51729	12.146	9.469	0.301333656
43	0.52991	11.857	1.884	0.268247665
44	0.54252	11.581	3.249	0.248078995
45	0.55514	11.318	3.240	0.215994059
46	0.56776	11.067	0.591	0.168068929
47	0.58037	10.826	0.366	0.133658139
48	0.59299	10.596	4.051	0.129772860
49	0.60561	10.375	0.013	0.109383756
50	0.61823	10.163	0.264	0.100086977
51	0.63084	9.960	2.928	0.109538719
52	0.64346	9.765	0.851	0.103731863
53	0.65608	9.577	1.032	0.113027690
54	0.66869	9.396	0.263	0.133345521
55	0.68131	9.222	3.179	0.165406281

Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 7 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

PER. III

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	8.165334271
2	0.01262	498.000	232.220	8.472202802
3	0.02523	249.000	8.096	8.634644396
4	0.03785	166.000	2.705	6.101249517
5	0.05047	124.500	29.699	3.576461480
6	0.06308	99.600	22.385	1.219982302
7	0.07570	83.000	9.371	1.336461593
8	0.08832	71.143	10.128	1.596358724
9	0.10093	62.250	24.933	1.299689094
10	0.11355	55.333	18.342	1.057626799
11	0.12617	49.800	25.567	0.962468673
12	0.13879	45.273	3.602	0.942974115
13	0.15140	41.500	1.092	0.685015403
14	0.16402	38.308	1.000	0.503905497
15	0.17664	35.571	8.413	0.339731245
16	0.18925	33.200	2.242	0.341563661
17	0.20187	31.125	2.411	0.478609251
18	0.21449	29.294	11.125	0.479423674
19	0.22710	27.667	3.763	0.413081631
20	0.23972	26.211	13.147	0.508999735
21	0.25234	24.900	1.072	0.487583932
22	0.26495	23.714	2.577	0.376083195
23	0.27757	22.636	10.679	0.426305822
24	0.29019	21.652	0.527	0.277092115
25	0.30280	20.750	1.317	0.290648837
26	0.31542	19.920	8.181	0.311003523
27	0.32804	19.154	0.022	0.249554827
28	0.34065	18.444	2.264	0.293890960
29	0.35327	17.786	4.368	0.301315395
30	0.36589	17.172	5.274	0.225437333
31	0.37851	16.600	4.427	0.253690304
32	0.39112	16.065	1.970	0.254489842
33	0.40374	15.563	1.507	0.249311403
34	0.41636	15.091	2.507	0.244599914
35	0.42897	14.647	2.335	0.237194869
36	0.44159	14.229	3.912	0.245952016
37	0.45421	13.833	4.859	0.242912652
38	0.46682	13.459	3.775	0.242816980
39	0.47944	13.105	2.740	0.323928541
40	0.49206	12.769	1.239	0.300871961
41	0.50467	12.450	2.498	0.282561721
42	0.51729	12.146	9.469	0.276474218
43	0.52991	11.857	1.884	0.252034550
44	0.54252	11.581	3.249	0.242102996
45	0.55514	11.318	3.240	0.259747942
46	0.56776	11.067	0.591	0.152247661
47	0.58037	10.826	0.366	0.133834775
48	0.59299	10.596	4.051	0.130195097
49	0.60561	10.375	0.013	0.103043276
50	0.61823	10.163	0.264	0.108065262
51	0.63084	9.960	2.928	0.106895069
52	0.64346	9.765	0.851	0.096982520
53	0.65608	9.577	1.032	0.102205930
54	0.66869	9.396	0.263	0.168344119
55	0.68131	9.222	3.179	0.151841939

Spectral Density Estimates: (War B. Fatalities: 1495-1992)  
 Spectral Window: 7 (Tri)

PER. 112

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	11.737623713
2	0.01262	498.000	232.220	10.730366296
3	0.02523	249.000	8.096	7.537963950
4	0.03785	166.000	2.705	4.351902071
5	0.05047	124.500	29.699	2.344270225
6	0.06308	99.600	22.385	1.320193573
7	0.07570	83.000	9.371	1.319640943
8	0.08832	71.143	10.128	1.393300701
9	0.10093	62.250	24.933	1.397587211
10	0.11355	55.333	18.342	1.307000801
11	0.12617	49.800	25.567	1.150271996
12	0.13879	45.273	3.602	0.827674105
13	0.15140	41.500	1.092	0.530765632
14	0.16402	38.308	1.000	0.358990465
15	0.17664	35.571	8.413	0.323824500
16	0.18925	33.200	2.242	0.350849703
17	0.20187	31.125	2.411	0.438880341
18	0.21449	29.294	11.125	0.513693808
19	0.22710	27.667	3.763	0.495634335
20	0.23972	26.211	13.147	0.535096219
21	0.25234	24.900	1.072	0.457550166
22	0.26495	23.714	2.577	0.387883540
23	0.27757	22.636	10.679	0.388603533
24	0.29019	21.652	0.527	0.301921304
25	0.30280	20.750	1.317	0.286649245
26	0.31542	19.920	8.181	0.285328875
27	0.32804	19.154	0.022	0.241676614
28	0.34065	18.444	2.264	0.272939641
29	0.35327	17.786	4.368	0.294098737
30	0.36589	17.172	5.274	0.285855878
31	0.37851	16.600	4.427	0.278311481
32	0.39112	16.065	1.970	0.238451937
33	0.40374	15.563	1.507	0.209713202
34	0.41636	15.091	2.507	0.211879779
35	0.42897	14.647	2.335	0.234116781
36	0.44159	14.229	3.912	0.268778568
37	0.45421	13.833	4.859	0.280488001
38	0.46682	13.459	3.775	0.263779942
39	0.47944	13.105	2.740	0.269083133
40	0.49206	12.769	1.239	0.268107173
41	0.50467	12.450	2.498	0.290419671
42	0.51729	12.146	9.469	0.328161748
43	0.52991	11.857	1.884	0.293423932
44	0.54252	11.581	3.249	0.255394468
45	0.55514	11.318	3.240	0.211358912
46	0.56776	11.067	0.591	0.147587943
47	0.58037	10.826	0.366	0.126353202
48	0.59299	10.596	4.051	0.125417417
49	0.60561	10.375	0.013	0.104582231
50	0.61823	10.163	0.264	0.104863734
51	0.63084	9.960	2.928	0.106760549
52	0.64346	9.765	0.851	0.097154197
53	0.65608	9.577	1.032	0.101575180
54	0.66869	9.396	0.263	0.126042239
55	0.68131	9.222	3.179	0.156556831

Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

PER. 113

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	11.345366767
2	0.01262	498.000	232.220	11.259569416
3	0.02523	249.000	8.096	8.036345681
4	0.03785	166.000	2.705	4.696721586
5	0.05047	124.500	29.699	1.149968755
6	0.06308	99.600	22.385	1.182307831
7	0.07570	83.000	9.371	1.536076659
8	0.08832	71.143	10.128	1.355329075
9	0.10093	62.250	24.933	1.405969476
10	0.11355	55.333	18.342	1.314161089
11	0.12617	49.800	25.567	1.170353032
12	0.13879	45.273	3.602	0.789449675
13	0.15140	41.500	1.092	0.631425362
14	0.16402	38.308	1.000	0.260196009
15	0.17664	35.571	8.413	0.241232039
16	0.18925	33.200	2.242	0.400915701
17	0.20187	31.125	2.411	0.444894072
18	0.21449	29.294	11.125	0.520242222
19	0.22710	27.667	3.763	0.501621254
20	0.23972	26.211	13.147	0.504271949
21	0.25234	24.900	1.072	0.497171895
22	0.26495	23.714	2.577	0.445660419
23	0.27757	22.636	10.679	0.257379223
24	0.29019	21.652	0.527	0.370529079
25	0.30280	20.750	1.317	0.329856900
26	0.31542	19.920	8.181	0.195929997
27	0.32804	19.154	0.022	0.257059377
28	0.34065	18.444	2.264	0.320032180
29	0.35327	17.786	4.368	0.260279613
30	0.36589	17.172	5.274	0.291291815
31	0.37851	16.600	4.427	0.279232973
32	0.39112	16.065	1.970	0.249618394
33	0.40374	15.563	1.507	0.202839018
34	0.41636	15.091	2.507	0.194647996
35	0.42897	14.647	2.335	0.240630506
36	0.44159	14.229	3.912	0.276740163
37	0.45421	13.833	4.859	0.280458211
38	0.46682	13.459	3.775	0.263024907
39	0.47944	13.105	2.740	0.240526201
40	0.49206	12.769	1.239	0.313899096
41	0.50467	12.450	2.498	0.283795926
42	0.51729	12.146	9.469	0.291884093
43	0.52991	11.857	1.884	0.323726355
44	0.54252	11.581	3.249	0.293362809
45	0.55514	11.318	3.240	0.148469144
46	0.56776	11.067	0.591	0.182952575
47	0.58037	10.826	0.366	0.131459412
48	0.59299	10.596	4.051	0.084100706
49	0.60561	10.375	0.013	0.121308860
50	0.61823	10.163	0.264	0.129042747
51	0.63084	9.960	2.928	0.081007057
52	0.64346	9.765	0.851	0.084975515
53	0.65608	9.577	1.032	0.131359417
54	0.66869	9.396	0.263	0.092274578
55	0.68131	9.222	3.179	0.175521886

Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 5 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

PER. 114

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	14.516071057
2	0.01262	498.000	232.220	12.486715681
3	0.02523	249.000	8.096	6.684990270
4	0.03785	166.000	2.705	2.991298503
5	0.05047	124.500	29.699	1.385899250
6	0.06308	99.600	22.385	1.398135673
7	0.07570	83.000	9.371	1.306558215
8	0.08832	71.143	10.128	1.235366682
9	0.10093	62.250	24.933	1.473730191
10	0.11355	55.333	18.342	1.500958358
11	0.12617	49.800	25.567	1.296341247
12	0.13879	45.273	3.602	0.737996319
13	0.15140	41.500	1.092	0.410793587
14	0.16402	38.308	1.000	0.246278773
15	0.17664	35.571	8.413	0.311452588
16	0.18925	33.200	2.242	0.358072180
17	0.20187	31.125	2.411	0.407980078
18	0.21449	29.294	11.125	0.540348357
19	0.22710	27.667	3.763	0.559841995
20	0.23972	26.211	13.147	0.555393484
21	0.25234	24.900	1.072	0.434190571
22	0.26495	23.714	2.577	0.397061586
23	0.27757	22.636	10.679	0.359279530
24	0.29019	21.652	0.527	0.321232896
25	0.30280	20.750	1.317	0.283538450
26	0.31542	19.920	8.181	0.265359704
27	0.32804	19.154	0.022	0.235549116
28	0.34065	18.444	2.264	0.256644170
29	0.35327	17.786	4.368	0.288485781
30	0.36589	17.172	5.274	0.332848080
31	0.37851	16.600	4.427	0.297461285
32	0.39112	16.065	1.970	0.225978011
33	0.40374	15.563	1.507	0.178914601
34	0.41636	15.091	2.507	0.186430785
35	0.42897	14.647	2.335	0.231722712
36	0.44159	14.229	3.912	0.286532552
37	0.45421	13.833	4.859	0.309713273
38	0.46682	13.459	3.775	0.280084468
39	0.47944	13.105	2.740	0.226425593
40	0.49206	12.769	1.239	0.242623448
41	0.50467	12.450	2.498	0.296531410
42	0.51729	12.146	9.469	0.368363160
43	0.52991	11.857	1.884	0.325615674
44	0.54252	11.581	3.249	0.265732279
45	0.55514	11.318	3.240	0.173723000
46	0.56776	11.067	0.591	0.143963717
47	0.58037	10.826	0.366	0.120534200
48	0.59299	10.596	4.051	0.121701443
49	0.60561	10.375	0.013	0.105779196
50	0.61823	10.163	0.264	0.102373657
51	0.63084	9.960	2.928	0.106655923
52	0.64346	9.765	0.851	0.097287723
53	0.65608	9.577	1.032	0.101084596
54	0.66869	9.396	0.263	0.093140777
55	0.68131	9.222	3.179	0.160223969

Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 3 (Rec)

PER. 115

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	18.479451421
2	0.01262	498.000	232.220	12.534380876
3	0.02523	249.000	8.096	6.446314746
4	0.03785	166.000	2.705	1.074275188
5	0.05047	124.500	29.699	1.453305574
6	0.06308	99.600	22.385	1.630116986
7	0.07570	83.000	9.371	1.110984458
8	0.08832	71.143	10.128	1.178573202
9	0.10093	62.250	24.933	1.416542387
10	0.11355	55.333	18.342	1.826074983
11	0.12617	49.800	25.567	1.260257703
12	0.13879	45.273	3.602	0.802691054
13	0.15140	41.500	1.092	0.151040200
14	0.16402	38.308	1.000	0.278649508
15	0.17664	35.571	8.413	0.309146611
16	0.18925	33.200	2.242	0.346561644
17	0.20187	31.125	2.411	0.418508286
18	0.21449	29.294	11.125	0.458870304
19	0.22710	27.667	3.763	0.743666480
20	0.23972	26.211	13.147	0.476989200
21	0.25234	24.900	1.072	0.445524771
22	0.26495	23.714	2.577	0.380057741
23	0.27757	22.636	10.679	0.365602245
24	0.29019	21.652	0.527	0.332178604
25	0.30280	20.750	1.317	0.265917839
26	0.31542	19.920	8.181	0.252518908
27	0.32804	19.154	0.022	0.277642364
28	0.34065	18.444	2.264	0.176486076
29	0.35327	17.786	4.368	0.315804069
30	0.36589	17.172	5.274	0.373167199
31	0.37851	16.600	4.427	0.309572971
32	0.39112	16.065	1.970	0.209643686
33	0.40374	15.563	1.507	0.158717377
34	0.41636	15.091	2.507	0.168382741
35	0.42897	14.647	2.335	0.232192238
36	0.44159	14.229	3.912	0.294593158
37	0.45421	13.833	4.859	0.332812261
38	0.46682	13.459	3.775	0.301734401
39	0.47944	13.105	2.740	0.205706743
40	0.49206	12.769	1.239	0.171835637
41	0.50467	12.450	2.498	0.350327966
42	0.51729	12.146	9.469	0.367430626
43	0.52991	11.857	1.884	0.387330887
44	0.54252	11.581	3.249	0.222085508
45	0.55514	11.318	3.240	0.187780441
46	0.56776	11.067	0.591	0.111303050
47	0.58037	10.826	0.366	0.132807659
48	0.59299	10.596	4.051	0.117491893
49	0.60561	10.375	0.013	0.114804778
50	0.61823	10.163	0.264	0.085040917
51	0.63084	9.960	2.928	0.107275275
52	0.64346	9.765	0.851	0.127651577
53	0.65608	9.577	1.032	0.056936318
54	0.66869	9.396	0.263	0.118665894
55	0.68131	9.222	3.179	0.103820119



Spectral Density Estimates: (War B. Fatalities: 1495-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model: Residual

12:58 Monday, October 17, 1994

PER. 116

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	177.700	18.479451421
2	0.01262	498.000	232.220	14.020648512
3	0.02523	249.000	8.096	4.995796006
4	0.03785	166.000	2.705	0.859519649
5	0.05047	124.500	29.699	1.680812368
6	0.06308	99.600	22.385	1.667920475
7	0.07570	83.000	9.371	1.019660160
8	0.08832	71.143	10.128	1.085413692
9	0.10093	62.250	24.933	1.558431084
10	0.11355	55.333	18.342	1.734454944
11	0.12617	49.800	25.567	1.453826515
12	0.13879	45.273	3.602	0.673679624
13	0.15140	41.500	1.092	0.135003869
14	0.16402	38.308	1.000	0.228882228
15	0.17664	35.571	8.413	0.399228273
16	0.18925	33.200	2.242	0.304517779
17	0.20187	31.125	2.411	0.361837586
18	0.21449	29.294	11.125	0.565481025
19	0.22710	27.667	3.763	0.632617920
20	0.23972	26.211	13.147	0.619295402
21	0.25234	24.900	1.072	0.355463915
22	0.26495	23.714	2.577	0.336313045
23	0.27757	22.636	10.679	0.486654914
24	0.29019	21.652	0.527	0.259612668
25	0.30280	20.750	1.317	0.225640387
26	0.31542	19.920	8.181	0.352146837
27	0.32804	19.154	0.022	0.208661290
28	0.34065	18.444	2.264	0.177409157
29	0.35327	17.786	4.368	0.323743492
30	0.36589	17.172	5.274	0.384793411
31	0.37851	16.600	4.427	0.320246676
32	0.39112	16.065	1.970	0.196427533
33	0.40374	15.563	1.507	0.149009081
34	0.41636	15.091	2.507	0.176159272
35	0.42897	14.647	2.335	0.220587971
36	0.44159	14.229	3.912	0.298773039
37	0.45421	13.833	4.859	0.346282101
38	0.46682	13.459	3.775	0.301408920
39	0.47944	13.105	2.740	0.208799833
40	0.49206	12.769	1.239	0.153528889
41	0.50467	12.450	2.498	0.312450764
42	0.51729	12.146	9.469	0.463961993
43	0.52991	11.857	1.884	0.327977322
44	0.54252	11.581	3.249	0.231194116
45	0.55514	11.318	3.240	0.205290320
46	0.56776	11.067	0.591	0.095227644
47	0.58037	10.826	0.366	0.106877686
48	0.59299	10.596	4.051	0.168702365
49	0.60561	10.375	0.013	0.086367116
50	0.61823	10.163	0.264	0.069037293
51	0.63084	9.960	2.928	0.138717006
52	0.64346	9.765	0.851	0.112677984
53	0.65608	9.577	1.032	0.063241071
54	0.66869	9.396	0.263	0.094223525
55	0.68131	9.222	3.179	0.141101573

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 11 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.117

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.872176806
2	0.02236	281.000	13.5411	0.781700616
3	0.04472	140.500	11.0249	0.772137670
4	0.06708	93.667	8.0546	0.724868284
5	0.08944	70.250	4.8439	0.647843466
6	0.11180	56.200	16.0454	0.563986237
7	0.13416	46.833	3.5389	0.485800401
8	0.15652	40.143	3.5220	0.433529012
9	0.17888	35.125	1.5206	0.369633774
10	0.20124	31.222	0.3777	0.356145421
11	0.22360	28.100	1.9496	0.332408013
12	0.24596	25.545	2.7335	0.244184489
13	0.26832	23.417	6.3157	0.281632579
14	0.29068	21.615	2.1926	0.258084226
15	0.31304	20.071	6.1901	0.257236764
16	0.33540	18.733	1.5627	0.262381753
17	0.35776	17.562	3.8503	0.258570003
18	0.38012	16.529	8.7154	0.246266400
19	0.40248	15.611	0.2669	0.211060184
20	0.42484	14.789	1.4034	0.201354612
21	0.44720	14.050	1.0889	0.159026320
22	0.46956	13.381	1.4227	0.157375290
23	0.49192	12.773	1.0328	0.135171522
24	0.51428	12.217	1.4491	0.082334374
25	0.53664	11.708	0.8510	0.081821192
26	0.55900	11.240	0.3391	0.081914772
27	0.58136	10.808	1.3344	0.083293642
28	0.60372	10.407	0.7811	0.083054536
29	0.62608	10.036	1.4117	0.076207413
30	0.64844	9.690	0.1960	0.079159076
31	0.67080	9.367	1.4164	0.073634178
32	0.69316	9.065	1.2795	0.073179905
33	0.71552	8.781	1.3896	0.073197356
34	0.73788	8.515	0.0863	0.071165963
35	0.76024	8.265	1.8571	0.079581475
36	0.78260	8.029	0.0873	0.081062079
37	0.80496	7.806	0.2763	0.073888419
38	0.82732	7.595	1.3368	0.064746922
39	0.84968	7.395	0.5003	0.057079553
40	0.87204	7.205	2.5750	0.057217066
41	0.89440	7.025	0.4006	0.045025316
42	0.91676	6.854	0.4247	0.046173905
43	0.93912	6.690	0.0159	0.046185118
44	0.96148	6.535	0.3297	0.038611556
45	0.98384	6.386	0.1053	0.035435168
46	1.00620	6.244	0.1719	0.018506745
47	1.02856	6.109	0.2461	0.017258221
48	1.05092	5.979	0.2778	0.016874666
49	1.07328	5.854	0.2899	0.022859210
50	1.09564	5.735	0.0612	0.023306209
51	1.11800	5.620	0.2349	0.022960021
52	1.14036	5.510	0.2280	0.028847461
53	1.16272	5.404	0.3717	0.028705011
54	1.18508	5.302	0.8431	0.028619354
55	1.20744	5.204	0.3915	0.027658786

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 11 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 118

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.894476046
2	0.02236	281.000	13.5411	0.872366258
3	0.04472	140.500	11.0249	0.833644986
4	0.06708	93.667	8.0546	0.760251618
5	0.08944	70.250	4.8439	0.669888571
6	0.11180	56.200	16.0454	0.586790660
7	0.13416	46.833	3.5389	0.468731203
8	0.15652	40.143	3.5220	0.378919508
9	0.17888	35.125	1.5206	0.308316469
10	0.20124	31.222	0.3777	0.269044518
11	0.22360	28.100	1.9496	0.249361519
12	0.24596	25.545	2.7335	0.240277944
13	0.26832	23.417	6.3157	0.273843002
14	0.29068	21.615	2.1926	0.287899368
15	0.31304	20.071	6.1901	0.303149771
16	0.33540	18.733	1.5627	0.296802033
17	0.35776	17.562	3.8503	0.287525563
18	0.38012	16.529	8.7154	0.267819447
19	0.40248	15.611	0.2669	0.218828577
20	0.42484	14.789	1.4034	0.184499617
21	0.44720	14.050	1.0889	0.149562451
22	0.46956	13.381	1.4227	0.126444154
23	0.49192	12.773	1.0328	0.102217102
24	0.51428	12.217	1.4491	0.085055677
25	0.53664	11.708	0.8510	0.081186140
26	0.55900	11.240	0.3391	0.077275084
27	0.58136	10.808	1.3344	0.077795553
28	0.60372	10.407	0.7811	0.077895272
29	0.62608	10.036	1.4117	0.077877436
30	0.64844	9.690	0.1960	0.078006677
31	0.67080	9.367	1.4164	0.080665823
32	0.69316	9.065	1.2795	0.079555175
33	0.71552	8.781	1.3896	0.076492442
34	0.73788	8.515	0.0863	0.071341889
35	0.76024	8.265	1.8571	0.073228240
36	0.78260	8.029	0.0873	0.070910406
37	0.80496	7.806	0.2763	0.069578622
38	0.82732	7.595	1.3368	0.070191334
39	0.84968	7.395	0.5003	0.068451145
40	0.87204	7.205	2.5750	0.067803766
41	0.89440	7.025	0.4006	0.056343217
42	0.91676	6.854	0.4247	0.047760614
43	0.93912	6.690	0.0159	0.038107384
44	0.96148	6.535	0.3297	0.029635590
45	0.98384	6.386	0.1053	0.022796359
46	1.00620	6.244	0.1719	0.017116719
47	1.02856	6.109	0.2461	0.016873320
48	1.05092	5.979	0.2778	0.017249268
49	1.07328	5.854	0.2899	0.019199516
50	1.09564	5.735	0.0612	0.020768500
51	1.11800	5.620	0.2349	0.022922832
52	1.14036	5.510	0.2280	0.026450100
53	1.16272	5.404	0.3717	0.029849516
54	1.18508	5.302	0.8431	0.032737487
55	1.20744	5.204	0.3915	0.032859590

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 119

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.782248105
2	0.02236	281.000	13.5411	0.881291714
3	0.04472	140.500	11.0249	0.841364085
4	0.06708	93.667	8.0546	0.775024082
5	0.08944	70.250	4.8439	0.668738864
6	0.11180	56.200	16.0454	0.552348628
7	0.13416	46.833	3.5389	0.449856459
8	0.15652	40.143	3.5220	0.376544785
9	0.17888	35.125	1.5206	0.361169055
10	0.20124	31.222	0.3777	0.337726834
11	0.22360	28.100	1.9496	0.250586688
12	0.24596	25.545	2.7335	0.233112701
13	0.26832	23.417	6.3157	0.236015603
14	0.29068	21.615	2.1926	0.299631557
15	0.31304	20.071	6.1901	0.298651677
16	0.33540	18.733	1.5627	0.293822842
17	0.35776	17.562	3.8503	0.279281392
18	0.38012	16.529	8.7154	0.236017671
19	0.40248	15.611	0.2669	0.225762439
20	0.42484	14.789	1.4034	0.183842653
21	0.44720	14.050	1.0889	0.177550456
22	0.46956	13.381	1.4227	0.146504483
23	0.49192	12.773	1.0328	0.081242681
24	0.51428	12.217	1.4491	0.085788965
25	0.53664	11.708	0.8510	0.085861968
26	0.55900	11.240	0.3391	0.077966546
27	0.58136	10.808	1.3344	0.077910893
28	0.60372	10.407	0.7811	0.080092466
29	0.62608	10.036	1.4117	0.079566324
30	0.64844	9.690	0.1960	0.072804750
31	0.67080	9.367	1.4164	0.086227131
32	0.69316	9.065	1.2795	0.075200208
33	0.71552	8.781	1.3896	0.070736950
34	0.73788	8.515	0.0863	0.070075215
35	0.76024	8.265	1.8571	0.072765907
36	0.78260	8.029	0.0873	0.083010161
37	0.80496	7.806	0.2763	0.075239080
38	0.82732	7.595	1.3368	0.066707861
39	0.84968	7.395	0.5003	0.066085200
40	0.87204	7.205	2.5750	0.052580242
41	0.89440	7.025	0.4006	0.052739391
42	0.91676	6.854	0.4247	0.051815968
43	0.93912	6.690	0.0159	0.042171545
44	0.96148	6.535	0.3297	0.040204807
45	0.98384	6.386	0.1053	0.020000869
46	1.00620	6.244	0.1719	0.016999683
47	1.02856	6.109	0.2461	0.015321449
48	1.05092	5.979	0.2778	0.017197335
49	1.07328	5.854	0.2899	0.017568555
50	1.09564	5.735	0.0612	0.024092264
51	1.11800	5.620	0.2349	0.026034666
52	1.14036	5.510	0.2280	0.024366866
53	1.16272	5.404	0.3717	0.030625498
54	1.18508	5.302	0.8431	0.030063546
55	1.20744	5.204	0.3915	0.031874368

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.120

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.904287712
2	0.02236	281.000	13.5411	0.912259141
3	0.04472	140.500	11.0249	0.860708205
4	0.06708	93.667	8.0546	0.775820285
5	0.08944	70.250	4.8439	0.679588417
6	0.11180	56.200	16.0454	0.596824606
7	0.13416	46.833	3.5389	0.461220755
8	0.15652	40.143	3.5220	0.354891327
9	0.17888	35.125	1.5206	0.281336854
10	0.20124	31.222	0.3777	0.230720120
11	0.22360	28.100	1.9496	0.212821062
12	0.24596	25.545	2.7335	0.238559065
13	0.26832	23.417	6.3157	0.270415587
14	0.29068	21.615	2.1926	0.301018031
15	0.31304	20.071	6.1901	0.323351493
16	0.33540	18.733	1.5627	0.311946957
17	0.35776	17.562	3.8503	0.300266010
18	0.38012	16.529	8.7154	0.277302787
19	0.40248	15.611	0.2669	0.222246670
20	0.42484	14.789	1.4034	0.177083420
21	0.44720	14.050	1.0889	0.145398348
22	0.46956	13.381	1.4227	0.112834454
23	0.49192	12.773	1.0328	0.087717157
24	0.51428	12.217	1.4491	0.086253051
25	0.53664	11.708	0.8510	0.080906717
26	0.55900	11.240	0.3391	0.075233621
27	0.58136	10.808	1.3344	0.075376394
28	0.60372	10.407	0.7811	0.075625196
29	0.62608	10.036	1.4117	0.078612246
30	0.64844	9.690	0.1960	0.077499622
31	0.67080	9.367	1.4164	0.083759746
32	0.69316	9.065	1.2795	0.082360294
33	0.71552	8.781	1.3896	0.077942280
34	0.73788	8.515	0.0863	0.071419297
35	0.76024	8.265	1.8571	0.070432817
36	0.78260	8.029	0.0873	0.066443669
37	0.80496	7.806	0.2763	0.067682312
38	0.82732	7.595	1.3368	0.072586875
39	0.84968	7.395	0.5003	0.073454646
40	0.87204	7.205	2.5750	0.072461913
41	0.89440	7.025	0.4006	0.061323094
42	0.91676	6.854	0.4247	0.048458766
43	0.93912	6.690	0.0159	0.034553181
44	0.96148	6.535	0.3297	0.025686165
45	0.98384	6.386	0.1053	0.017235283
46	1.00620	6.244	0.1719	0.016505107
47	1.02856	6.109	0.2461	0.016703964
48	1.05092	5.979	0.2778	0.017414092
49	1.07328	5.854	0.2899	0.017589251
50	1.09564	5.735	0.0612	0.019651907
51	1.11800	5.620	0.2349	0.022906468
52	1.14036	5.510	0.2280	0.025395261
53	1.16272	5.404	0.3717	0.030353099
54	1.18508	5.302	0.8431	0.034549465
55	1.20744	5.204	0.3915	0.035147944

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 7 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 121

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.895615141
2	0.02236	281.000	13.5411	0.859114705
3	0.04472	140.500	11.0249	0.916189684
4	0.06708	93.667	8.0546	0.802482203
5	0.08944	70.250	4.8439	0.688582323
6	0.11180	56.200	16.0454	0.551929900
7	0.13416	46.833	3.5389	0.430890901
8	0.15652	40.143	3.5220	0.361487213
9	0.17888	35.125	1.5206	0.337496151
10	0.20124	31.222	0.3777	0.226886007
11	0.22360	28.100	1.9496	0.211581097
12	0.24596	25.545	2.7335	0.241913035
13	0.26832	23.417	6.3157	0.242391421
14	0.29068	21.615	2.1926	0.281868434
15	0.31304	20.071	6.1901	0.358783598
16	0.33540	18.733	1.5627	0.330742620
17	0.35776	17.562	3.8503	0.274899226
18	0.38012	16.529	8.7154	0.262352011
19	0.40248	15.611	0.2669	0.208154414
20	0.42484	14.789	1.4034	0.202130760
21	0.44720	14.050	1.0889	0.174833528
22	0.46956	13.381	1.4227	0.085430006
23	0.49192	12.773	1.0328	0.086250612
24	0.51428	12.217	1.4491	0.085466248
25	0.53664	11.708	0.8510	0.081966642
26	0.55900	11.240	0.3391	0.081841894
27	0.58136	10.808	1.3344	0.072328721
28	0.60372	10.407	0.7811	0.071956437
29	0.62608	10.036	1.4117	0.076827630
30	0.64844	9.690	0.1960	0.088770181
31	0.67080	9.367	1.4164	0.074581238
32	0.69316	9.065	1.2795	0.086813969
33	0.71552	8.781	1.3896	0.071758270
34	0.73788	8.515	0.0863	0.072671447
35	0.76024	8.265	1.8571	0.071767450
36	0.78260	8.029	0.0873	0.062908859
37	0.80496	7.806	0.2763	0.076384227
38	0.82732	7.595	1.3368	0.079957483
39	0.84968	7.395	0.5003	0.063673976
40	0.87204	7.205	2.5750	0.062861942
41	0.89440	7.025	0.4006	0.063469629
42	0.91676	6.854	0.4247	0.049469354
43	0.93912	6.690	0.0159	0.045735810
44	0.96148	6.535	0.3297	0.019260659
45	0.98384	6.386	0.1053	0.017864794
46	1.00620	6.244	0.1719	0.016332380
47	1.02856	6.109	0.2461	0.016847532
48	1.05092	5.979	0.2778	0.015769814
49	1.07328	5.854	0.2899	0.017165012
50	1.09564	5.735	0.0612	0.019437241
51	1.11800	5.620	0.2349	0.026224564
52	1.14036	5.510	0.2280	0.027517058
53	1.16272	5.404	0.3717	0.024874084
54	1.18508	5.302	0.8431	0.035383699
55	1.20744	5.204	0.3915	0.035286505

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 7 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.122

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.972934991
2	0.02236	281.000	13.5411	0.929678319
3	0.04472	140.500	11.0249	0.871589272
4	0.06708	93.667	8.0546	0.776268149
5	0.08944	70.250	4.8439	0.685691291
6	0.11180	56.200	16.0454	0.621842343
7	0.13416	46.833	3.5389	0.467613172
8	0.15652	40.143	3.5220	0.342711256
9	0.17888	35.125	1.5206	0.236431241
10	0.20124	31.222	0.3777	0.170528843
11	0.22360	28.100	1.9496	0.191577898
12	0.24596	25.545	2.7335	0.241622645
13	0.26832	23.417	6.3157	0.289765579
14	0.29068	21.615	2.1926	0.301797922
15	0.31304	20.071	6.1901	0.337245140
16	0.33540	18.733	1.5627	0.322141771
17	0.35776	17.562	3.8503	0.312069857
18	0.38012	16.529	8.7154	0.300525665
19	0.40248	15.611	0.2669	0.220269050
20	0.42484	14.789	1.4034	0.173281351
21	0.44720	14.050	1.0889	0.127312788
22	0.46956	13.381	1.4227	0.093895063
23	0.49192	12.773	1.0328	0.091359049
24	0.51428	12.217	1.4491	0.086514100
25	0.53664	11.708	0.8510	0.078119388
26	0.55900	11.240	0.3391	0.073696351
27	0.58136	10.808	1.3344	0.073950738
28	0.60372	10.407	0.7811	0.073112356
29	0.62608	10.036	1.4117	0.078075577
30	0.64844	9.690	0.1960	0.080140487
31	0.67080	9.367	1.4164	0.082371842
32	0.69316	9.065	1.2795	0.086387843
33	0.71552	8.781	1.3896	0.081995279
34	0.73788	8.515	0.0863	0.072175344
35	0.76024	8.265	1.8571	0.069120453
36	0.78260	8.029	0.0873	0.057125018
37	0.80496	7.806	0.2763	0.063431629
38	0.82732	7.595	1.3368	0.075893821
39	0.84968	7.395	0.5003	0.077599959
40	0.87204	7.205	2.5750	0.083645354
41	0.89440	7.025	0.4006	0.066151427
42	0.91676	6.854	0.4247	0.046570339
43	0.93912	6.690	0.0159	0.030267851
44	0.96148	6.535	0.3297	0.017519428
45	0.98384	6.386	0.1053	0.015679640
46	1.00620	6.244	0.1719	0.016226908
47	1.02856	6.109	0.2461	0.017481629
48	1.05092	5.979	0.2778	0.017536018
49	1.07328	5.854	0.2899	0.017600892
50	1.09564	5.735	0.0612	0.017154207
51	1.11800	5.620	0.2349	0.021146857
52	1.14036	5.510	0.2280	0.025973733
53	1.16272	5.404	0.3717	0.030199875
54	1.18508	5.302	0.8431	0.037072794
55	1.20744	5.204	0.3915	0.036989331

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 123

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	0.997474585
2	0.02236	281.000	13.5411	0.950201670
3	0.04472	140.500	11.0249	0.811780318
4	0.06708	93.667	8.0546	0.851637463
5	0.08944	70.250	4.8439	0.692446989
6	0.11180	56.200	16.0454	0.573034984
7	0.13416	46.833	3.5389	0.469042333
8	0.15652	40.143	3.5220	0.397961260
9	0.17888	35.125	1.5206	0.173618211
10	0.20124	31.222	0.3777	0.160799845
11	0.22360	28.100	1.9496	0.205262621
12	0.24596	25.545	2.7335	0.215958664
13	0.26832	23.417	6.3157	0.308465971
14	0.29068	21.615	2.1926	0.302308224
15	0.31304	20.071	6.1901	0.320082456
16	0.33540	18.733	1.5627	0.358274838
17	0.35776	17.562	3.8503	0.327625977
18	0.38012	16.529	8.7154	0.251443287
19	0.40248	15.611	0.2669	0.243903490
20	0.42484	14.789	1.4034	0.205266343
21	0.44720	14.050	1.0889	0.082994251
22	0.46956	13.381	1.4227	0.101809727
23	0.49192	12.773	1.0328	0.093017930
24	0.51428	12.217	1.4491	0.081084019
25	0.53664	11.708	0.8510	0.079679855
26	0.55900	11.240	0.3391	0.075673724
27	0.58136	10.808	1.3344	0.075078056
28	0.60372	10.407	0.7811	0.064652452
29	0.62608	10.036	1.4117	0.081797882
30	0.64844	9.690	0.1960	0.080923865
31	0.67080	9.367	1.4164	0.090608974
32	0.69316	9.065	1.2795	0.069514937
33	0.71552	8.781	1.3896	0.095953072
34	0.73788	8.515	0.0863	0.074800622
35	0.76024	8.265	1.8571	0.058833796
36	0.78260	8.029	0.0873	0.057994059
37	0.80496	7.806	0.2763	0.064582534
38	0.82732	7.595	1.3368	0.076007335
39	0.84968	7.395	0.5003	0.080993835
40	0.87204	7.205	2.5750	0.083356613
41	0.89440	7.025	0.4006	0.062332911
42	0.91676	6.854	0.4247	0.059618874
43	0.93912	6.690	0.0159	0.020313237
44	0.96148	6.535	0.3297	0.016672193
45	0.98384	6.386	0.1053	0.013828691
46	1.00620	6.244	0.1719	0.017997827
47	1.02856	6.109	0.2461	0.017364464
48	1.05092	5.979	0.2778	0.016662359
49	1.07328	5.854	0.2899	0.017666479
50	1.09564	5.735	0.0612	0.017379331
51	1.11800	5.620	0.2349	0.018873619
52	1.14036	5.510	0.2280	0.027677749
53	1.16272	5.404	0.3717	0.032935164
54	1.18508	5.302	0.8431	0.030110443
55	1.20744	5.204	0.3915	0.042168521



Spectral Density Estimates: (Subset1:War 1495-1755)  
Spectral Window: 5 (Tri)

PER. 124

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	1.033072653
2	0.02236	281.000	13.5411	0.984561130
3	0.04472	140.500	11.0249	0.836900063
4	0.06708	93.667	8.0546	0.755879440
5	0.08944	70.250	4.8439	0.683442710
6	0.11180	56.200	16.0454	0.676218688
7	0.13416	46.833	3.5389	0.496174939
8	0.15652	40.143	3.5220	0.328107734
9	0.17888	35.125	1.5206	0.157825200
10	0.20124	31.222	0.3777	0.126695494
11	0.22360	28.100	1.9496	0.176019854
12	0.24596	25.545	2.7335	0.241396786
13	0.26832	23.417	6.3157	0.326612145
14	0.29068	21.615	2.1926	0.317298635
15	0.31304	20.071	6.1901	0.320493006
16	0.33540	18.733	1.5627	0.315452222
17	0.35776	17.562	3.8503	0.340980348
18	0.38012	16.529	8.7154	0.330216285
19	0.40248	15.611	0.2669	0.229691545
20	0.42484	14.789	1.4034	0.150842922
21	0.44720	14.050	1.0889	0.090352212
22	0.46956	13.381	1.4227	0.100478996
23	0.49192	12.773	1.0328	0.095332278
24	0.51428	12.217	1.4491	0.087329096
25	0.53664	11.708	0.8510	0.075127079
26	0.55900	11.240	0.3391	0.067360929
27	0.58136	10.808	1.3344	0.075212307
28	0.60372	10.407	0.7811	0.074011405
29	0.62608	10.036	1.4117	0.079046202
30	0.64844	9.690	0.1960	0.073428503
31	0.67080	9.367	1.4164	0.088431200
32	0.69316	9.065	1.2795	0.086056411
33	0.71552	8.781	1.3896	0.089957396
34	0.73788	8.515	0.0863	0.071789485
35	0.76024	8.265	1.8571	0.067061678
36	0.78260	8.029	0.0873	0.052626474
37	0.80496	7.806	0.2763	0.053357387
38	0.82732	7.595	1.3368	0.072733195
39	0.84968	7.395	0.5003	0.088431278
40	0.87204	7.205	2.5750	0.099810230
41	0.89440	7.025	0.4006	0.068237269
42	0.91676	6.854	0.4247	0.044315550
43	0.93912	6.690	0.0159	0.018237216
44	0.96148	6.535	0.3297	0.016165137
45	0.98384	6.386	0.1053	0.013980076
46	1.00620	6.244	0.1719	0.016144874
47	1.02856	6.109	0.2461	0.017974816
48	1.05092	5.979	0.2778	0.018909733
49	1.07328	5.854	0.2899	0.017939910
50	1.09564	5.735	0.0612	0.015378513
51	1.11800	5.620	0.2349	0.017197529
52	1.14036	5.510	0.2280	0.024773369
53	1.16272	5.404	0.3717	0.034342156
54	1.18508	5.302	0.8431	0.038386535
55	1.20744	5.204	0.3915	0.038313751

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 125

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	1.077570238
2	0.02236	281.000	13.5411	1.010823860
3	0.04472	140.500	11.0249	0.865289291
4	0.06708	93.667	8.0546	0.634587038
5	0.08944	70.250	4.8439	0.767761990
6	0.11180	56.200	16.0454	0.647979103
7	0.13416	46.833	3.5389	0.612914970
8	0.15652	40.143	3.5220	0.227630742
9	0.17888	35.125	1.5206	0.143777490
10	0.20124	31.222	0.3777	0.102067369
11	0.22360	28.100	1.9496	0.134241622
12	0.24596	25.545	2.7335	0.291750571
13	0.26832	23.417	6.3157	0.298198164
14	0.29068	21.615	2.1926	0.389887701
15	0.31304	20.071	6.1901	0.263810041
16	0.33540	18.733	1.5627	0.307781276
17	0.35776	17.562	3.8503	0.374765348
18	0.38012	16.529	8.7154	0.340394420
19	0.40248	15.611	0.2669	0.275489086
20	0.42484	14.789	1.4034	0.073191128
21	0.44720	14.050	1.0889	0.103848552
22	0.46956	13.381	1.4227	0.094016955
23	0.49192	12.773	1.0328	0.103571482
24	0.51428	12.217	1.4491	0.088408397
25	0.53664	11.708	0.8510	0.070007408
26	0.55900	11.240	0.3391	0.066965432
27	0.58136	10.808	1.3344	0.065109946
28	0.60372	10.407	0.7811	0.093561543
29	0.62608	10.036	1.4117	0.063362725
30	0.64844	9.690	0.1960	0.080214337
31	0.67080	9.367	1.4164	0.076708447
32	0.69316	9.065	1.2795	0.108370816
33	0.71552	8.781	1.3896	0.073089968
34	0.73788	8.515	0.0863	0.088411404
35	0.76024	8.265	1.8571	0.053867083
36	0.78260	8.029	0.0873	0.058906545
37	0.80496	7.806	0.2763	0.045105793
38	0.82732	7.595	1.3368	0.056059822
39	0.84968	7.395	0.5003	0.117033968
40	0.87204	7.205	2.5750	0.092200044
41	0.89440	7.025	0.4006	0.090196677
42	0.91676	6.854	0.4247	0.022315086
43	0.93912	6.690	0.0159	0.020434888
44	0.96148	6.535	0.3297	0.011961675
45	0.98384	6.386	0.1053	0.016098848
46	1.00620	6.244	0.1719	0.013879705
47	1.02856	6.109	0.2461	0.018456070
48	1.05092	5.979	0.2778	0.021588673
49	1.07328	5.854	0.2899	0.016684456
50	1.09564	5.735	0.0612	0.015546601
51	1.11800	5.620	0.2349	0.013904483
52	1.14036	5.510	0.2280	0.022141503
53	1.16272	5.404	0.3717	0.038274122
54	1.18508	5.302	0.8431	0.042610843
55	1.20744	5.204	0.3915	0.034274640

Spectral Density Estimates: (Subset1:War 1495-1755)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.126

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	16.3205	1.077570238
2	0.02236	281.000	13.5411	1.027510455
3	0.04472	140.500	11.0249	0.868299745
4	0.06708	93.667	8.0546	0.636181911
5	0.08944	70.250	4.8439	0.672187362
6	0.11180	56.200	16.0454	0.805198318
7	0.13416	46.833	3.5389	0.530090695
8	0.15652	40.143	3.5220	0.240790826
9	0.17888	35.125	1.5206	0.138083937
10	0.20124	31.222	0.3777	0.084065055
11	0.22360	28.100	1.9496	0.139466396
12	0.24596	25.545	2.7335	0.273194438
13	0.26832	23.417	6.3157	0.349294863
14	0.29068	21.615	2.1926	0.336036650
15	0.31304	20.071	6.1901	0.321006193
16	0.33540	18.733	1.5627	0.261923952
17	0.35776	17.562	3.8503	0.357673311
18	0.38012	16.529	8.7154	0.428682531
19	0.40248	15.611	0.2669	0.211926613
20	0.42484	14.789	1.4034	0.082813646
21	0.44720	14.050	1.0889	0.099549662
22	0.46956	13.381	1.4227	0.098815583
23	0.49192	12.773	1.0328	0.098225213
24	0.51428	12.217	1.4491	0.095135441
25	0.53664	11.708	0.8510	0.069436108
26	0.55900	11.240	0.3391	0.056969934
27	0.58136	10.808	1.3344	0.075380122
28	0.60372	10.407	0.7811	0.085710095
29	0.62608	10.036	1.4117	0.075606601
30	0.64844	9.690	0.1960	0.064059301
31	0.67080	9.367	1.4164	0.085708982
32	0.69316	9.065	1.2795	0.106733252
33	0.71552	8.781	1.3896	0.082462801
34	0.73788	8.515	0.0863	0.068025564
35	0.76024	8.265	1.8571	0.077346530
36	0.78260	8.029	0.0873	0.045916993
37	0.80496	7.806	0.2763	0.039325953
38	0.82732	7.595	1.3368	0.068640520
39	0.84968	7.395	0.5003	0.097728082
40	0.87204	7.205	2.5750	0.120377250
41	0.89440	7.025	0.4006	0.075617717
42	0.91676	6.854	0.4247	0.025186395
43	0.93912	6.690	0.0159	0.015642190
44	0.96148	6.535	0.3297	0.015531317
45	0.98384	6.386	0.1053	0.014169307
46	1.00620	6.244	0.1719	0.013828683
47	1.02856	6.109	0.2461	0.018737755
48	1.05092	5.979	0.2778	0.021718950
49	1.07328	5.854	0.2899	0.018281698
50	1.09564	5.735	0.0612	0.012877491
51	1.11800	5.620	0.2349	0.015102417
52	1.14036	5.510	0.2280	0.021142895
53	1.16272	5.404	0.3717	0.036100896
54	1.18508	5.302	0.8431	0.048731651
55	1.20744	5.204	0.3915	0.033495289

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 11 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 127

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.671867165
2	0.02651	237.000	18.367	1.468313623
3	0.05302	118.500	27.934	1.418676752
4	0.07953	79.000	12.921	1.389951969
5	0.10605	59.250	11.252	1.334727254
6	0.13256	47.400	35.894	1.250287423
7	0.15907	39.500	7.757	1.144217492
8	0.18558	33.857	4.391	1.061531506
9	0.21209	29.625	8.950	0.897480420
10	0.23860	26.333	20.300	0.818501294
11	0.26511	23.700	6.695	0.764288683
12	0.29162	21.545	3.705	0.538051155
13	0.31814	19.750	6.937	0.518718553
14	0.34465	18.231	5.257	0.542464395
15	0.37116	16.929	2.004	0.517145125
16	0.39767	15.800	3.758	0.418099891
17	0.42418	14.813	4.621	0.419888990
18	0.45069	13.941	5.085	0.420787344
19	0.47720	13.167	7.673	0.371313152
20	0.50372	12.474	5.450	0.342413486
21	0.53023	11.850	6.609	0.334359098
22	0.55674	11.286	6.942	0.340214952
23	0.58325	10.773	3.829	0.353921379
24	0.60976	10.304	0.098	0.328570130
25	0.63627	9.875	1.263	0.281248190
26	0.66278	9.480	0.890	0.247282746
27	0.68929	9.115	4.568	0.201571172
28	0.71581	8.778	6.516	0.156180279
29	0.74232	8.464	1.580	0.137859575
30	0.76883	8.172	1.132	0.147392104
31	0.79534	7.900	0.755	0.141390342
32	0.82185	7.645	0.291	0.136744455
33	0.84836	7.406	0.667	0.105583347
34	0.87487	7.182	1.296	0.060251283
35	0.90139	6.971	1.416	0.065523797
36	0.92790	6.771	0.433	0.060360723
37	0.95441	6.583	0.248	0.063678727
38	0.98092	6.405	0.260	0.073384213
39	1.00743	6.237	0.250	0.069273657
40	1.03394	6.077	2.309	0.070112913
41	1.06045	5.925	0.418	0.064660924
42	1.08696	5.780	1.214	0.067856526
43	1.11348	5.643	1.632	0.070693429
44	1.13999	5.512	0.099	0.073211441
45	1.16650	5.386	1.412	0.071575781
46	1.19301	5.267	0.662	0.055567434
47	1.21952	5.152	0.875	0.053293260
48	1.24603	5.043	0.640	0.046726868
49	1.27254	4.937	0.608	0.037376808
50	1.29906	4.837	0.024	0.039548796
51	1.32557	4.740	0.096	0.035639823
52	1.35208	4.647	0.104	0.034007343
53	1.37859	4.558	0.306	0.027981623
54	1.40510	4.472	0.340	0.027847437
55	1.43161	4.389	0.399	0.025426099

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 11 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 128

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.573116200
2	0.02651	237.000	18.367	1.549663815
3	0.05302	118.500	27.934	1.534062067
4	0.07953	79.000	12.921	1.439620772
5	0.10605	59.250	11.252	1.361491928
6	0.13256	47.400	35.894	1.310164957
7	0.15907	39.500	7.757	1.148938667
8	0.18558	33.857	4.391	1.009351987
9	0.21209	29.625	8.950	0.902575161
10	0.23860	26.333	20.300	0.822406527
11	0.26511	23.700	6.695	0.689358836
12	0.29162	21.545	3.705	0.561802589
13	0.31814	19.750	6.937	0.508451817
14	0.34465	18.231	5.257	0.458540766
15	0.37116	16.929	2.004	0.407140344
16	0.39767	15.800	3.758	0.381276555
17	0.42418	14.813	4.621	0.399017018
18	0.45069	13.941	5.085	0.419587869
19	0.47720	13.167	7.673	0.426085324
20	0.50372	12.474	5.450	0.416785671
21	0.53023	11.850	6.609	0.396979313
22	0.55674	11.286	6.942	0.362478319
23	0.58325	10.773	3.829	0.319998542
24	0.60976	10.304	0.098	0.274300897
25	0.63627	9.875	1.263	0.241910535
26	0.66278	9.480	0.890	0.222569054
27	0.68929	9.115	4.568	0.211982463
28	0.71581	8.778	6.516	0.197288285
29	0.74232	8.464	1.580	0.171997022
30	0.76883	8.172	1.132	0.151312007
31	0.79534	7.900	0.755	0.126797861
32	0.82185	7.645	0.291	0.102283641
33	0.84836	7.406	0.667	0.079027122
34	0.87487	7.182	1.296	0.063468523
35	0.90139	6.971	1.416	0.061687163
36	0.92790	6.771	0.433	0.058063832
37	0.95441	6.583	0.248	0.057711477
38	0.98092	6.405	0.260	0.061540401
39	1.00743	6.237	0.250	0.065081209
40	1.03394	6.077	2.309	0.072114859
41	1.06045	5.925	0.418	0.073268788
42	1.08696	5.780	1.214	0.077637948
43	1.11348	5.643	1.632	0.079012325
44	1.13999	5.512	0.099	0.075063088
45	1.16650	5.386	1.412	0.071302544
46	1.19301	5.267	0.662	0.062063457
47	1.21952	5.152	0.875	0.055230328
48	1.24603	5.043	0.640	0.046131305
49	1.27254	4.937	0.608	0.037636768
50	1.29906	4.837	0.024	0.030944559
51	1.32557	4.740	0.096	0.026294351
52	1.35208	4.647	0.104	0.025304926
53	1.37859	4.558	0.306	0.025413428
54	1.40510	4.472	0.340	0.027475374
55	1.43161	4.389	0.399	0.030054611

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 9 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 129

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.408643099
2	0.02651	237.000	18.367	1.626529503
3	0.05302	118.500	27.934	1.580871476
4	0.07953	79.000	12.921	1.372700745
5	0.10605	59.250	11.252	1.289441163
6	0.13256	47.400	35.894	1.306539450
7	0.15907	39.500	7.757	1.203335212
8	0.18558	33.857	4.391	0.989099024
9	0.21209	29.625	8.950	0.936189889
10	0.23860	26.333	20.300	0.883186450
11	0.26511	23.700	6.695	0.583526772
12	0.29162	21.545	3.705	0.548168173
13	0.31814	19.750	6.937	0.550209329
14	0.34465	18.231	5.257	0.516030635
15	0.37116	16.929	2.004	0.404379473
16	0.39767	15.800	3.758	0.393378354
17	0.42418	14.813	4.621	0.419062383
18	0.45069	13.941	5.085	0.419105471
19	0.47720	13.167	7.673	0.406474154
20	0.50372	12.474	5.450	0.389626604
21	0.53023	11.850	6.609	0.367561208
22	0.55674	11.286	6.942	0.334569814
23	0.58325	10.773	3.829	0.329997105
24	0.60976	10.304	0.098	0.319767865
25	0.63627	9.875	1.263	0.285550085
26	0.66278	9.480	0.890	0.237116282
27	0.68929	9.115	4.568	0.182415167
28	0.71581	8.778	6.516	0.151131506
29	0.74232	8.464	1.580	0.156165294
30	0.76883	8.172	1.132	0.156463819
31	0.79534	7.900	0.755	0.161111389
32	0.82185	7.645	0.291	0.124553352
33	0.84836	7.406	0.667	0.069131353
34	0.87487	7.182	1.296	0.057457704
35	0.90139	6.971	1.416	0.049660534
36	0.92790	6.771	0.433	0.063400258
37	0.95441	6.583	0.248	0.064525734
38	0.98092	6.405	0.260	0.069357714
39	1.00743	6.237	0.250	0.072328286
40	1.03394	6.077	2.309	0.060687192
41	1.06045	5.925	0.418	0.069346960
42	1.08696	5.780	1.214	0.073009295
43	1.11348	5.643	1.632	0.078442793
44	1.13999	5.512	0.099	0.081893976
45	1.16650	5.386	1.412	0.066853714
46	1.19301	5.267	0.662	0.063367827
47	1.21952	5.152	0.875	0.053486455
48	1.24603	5.043	0.640	0.039970124
49	1.27254	4.937	0.608	0.041800527
50	1.29906	4.837	0.024	0.032317491
51	1.32557	4.740	0.096	0.029994591
52	1.35208	4.647	0.104	0.029970989
53	1.37859	4.558	0.306	0.028170745
54	1.40510	4.472	0.340	0.023161904
55	1.43161	4.389	0.399	0.028448222

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 9 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 130

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.529665775
2	0.02651	237.000	18.367	1.585457899
3	0.05302	118.500	27.934	1.584831606
4	0.07953	79.000	12.921	1.461475046
5	0.10605	59.250	11.252	1.373268385
6	0.13256	47.400	35.894	1.336511071
7	0.15907	39.500	7.757	1.151015985
8	0.18558	33.857	4.391	0.986392998
9	0.21209	29.625	8.950	0.904816847
10	0.23860	26.333	20.300	0.824124829
11	0.26511	23.700	6.695	0.656389703
12	0.29162	21.545	3.705	0.572253220
13	0.31814	19.750	6.937	0.503934453
14	0.34465	18.231	5.257	0.421614369
15	0.37116	16.929	2.004	0.358738240
16	0.39767	15.800	3.758	0.365074287
17	0.42418	14.813	4.621	0.389833350
18	0.45069	13.941	5.085	0.419060100
19	0.47720	13.167	7.673	0.450185080
20	0.50372	12.474	5.450	0.449509432
21	0.53023	11.850	6.609	0.424532208
22	0.55674	11.286	6.942	0.372274201
23	0.58325	10.773	3.829	0.305072494
24	0.60976	10.304	0.098	0.250422434
25	0.63627	9.875	1.263	0.224601967
26	0.66278	9.480	0.890	0.211695029
27	0.68929	9.115	4.568	0.216563430
28	0.71581	8.778	6.516	0.215375808
29	0.74232	8.464	1.580	0.187017498
30	0.76883	8.172	1.132	0.153036765
31	0.79534	7.900	0.755	0.120377169
32	0.82185	7.645	0.291	0.087120882
33	0.84836	7.406	0.667	0.067342383
34	0.87487	7.182	1.296	0.064884109
35	0.90139	6.971	1.416	0.059999044
36	0.92790	6.771	0.433	0.057053200
37	0.95441	6.583	0.248	0.055085887
38	0.98092	6.405	0.260	0.056329123
39	1.00743	6.237	0.250	0.063236532
40	1.03394	6.077	2.309	0.072995716
41	1.06045	5.925	0.418	0.077056248
42	1.08696	5.780	1.214	0.081941774
43	1.11348	5.643	1.632	0.082672638
44	1.13999	5.512	0.099	0.075877813
45	1.16650	5.386	1.412	0.071182320
46	1.19301	5.267	0.662	0.064921707
47	1.21952	5.152	0.875	0.056082638
48	1.24603	5.043	0.640	0.045869257
49	1.27254	4.937	0.608	0.037751151
50	1.29906	4.837	0.024	0.027158696
51	1.32557	4.740	0.096	0.022182343
52	1.35208	4.647	0.104	0.021475863
53	1.37859	4.558	0.306	0.024283422
54	1.40510	4.472	0.340	0.027311666
55	1.43161	4.389	0.399	0.032091156

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 7 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.131

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.555284606
2	0.02651	237.000	18.367	1.536311618
3	0.05302	118.500	27.934	1.626803995
4	0.07953	79.000	12.921	1.506191727
5	0.10605	59.250	11.252	1.347308852
6	0.13256	47.400	35.894	1.240260817
7	0.15907	39.500	7.757	1.153479122
8	0.18558	33.857	4.391	1.082697050
9	0.21209	29.625	8.950	0.996897807
10	0.23860	26.333	20.300	0.667705102
11	0.26511	23.700	6.695	0.639288013
12	0.29162	21.545	3.705	0.612151744
13	0.31814	19.750	6.937	0.553126455
14	0.34465	18.231	5.257	0.374884411
15	0.37116	16.929	2.004	0.356583503
16	0.39767	15.800	3.758	0.401696842
17	0.42418	14.813	4.621	0.384796504
18	0.45069	13.941	5.085	0.400166863
19	0.47720	13.167	7.673	0.456306287
20	0.50372	12.474	5.450	0.457109988
21	0.53023	11.850	6.609	0.405688241
22	0.55674	11.286	6.942	0.362237192
23	0.58325	10.773	3.829	0.285129135
24	0.60976	10.304	0.098	0.275093326
25	0.63627	9.875	1.263	0.274032462
26	0.66278	9.480	0.890	0.213082437
27	0.68929	9.115	4.568	0.182421029
28	0.71581	8.778	6.516	0.189891581
29	0.74232	8.464	1.580	0.178843228
30	0.76883	8.172	1.132	0.176311000
31	0.79534	7.900	0.755	0.139122968
32	0.82185	7.645	0.291	0.081142238
33	0.84836	7.406	0.667	0.068097526
34	0.87487	7.182	1.296	0.058051838
35	0.90139	6.971	1.416	0.052422841
36	0.92790	6.771	0.433	0.051958350
37	0.95441	6.583	0.248	0.070622249
38	0.98092	6.405	0.260	0.060637118
39	1.00743	6.237	0.250	0.058341989
40	1.03394	6.077	2.309	0.071976454
41	1.06045	5.925	0.418	0.070285459
42	1.08696	5.780	1.214	0.083383713
43	1.11348	5.643	1.632	0.088071673
44	1.13999	5.512	0.099	0.071763244
45	1.16650	5.386	1.412	0.074288948
46	1.19301	5.267	0.662	0.067402821
47	1.21952	5.152	0.875	0.049116529
48	1.24603	5.043	0.640	0.049083899
49	1.27254	4.937	0.608	0.034206236
50	1.29906	4.837	0.024	0.030159901
51	1.32557	4.740	0.096	0.024079753
52	1.35208	4.647	0.104	0.021343892
53	1.37859	4.558	0.306	0.024342599
54	1.40510	4.472	0.340	0.029035555
55	1.43161	4.389	0.399	0.028414112



Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 7 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.132

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.597741031
2	0.02651	237.000	18.367	1.562355121
3	0.05302	118.500	27.934	1.587059179
4	0.07953	79.000	12.921	1.511410590
5	0.10605	59.250	11.252	1.420421198
6	0.13256	47.400	35.894	1.353370108
7	0.15907	39.500	7.757	1.121586419
8	0.18558	33.857	4.391	0.984870859
9	0.21209	29.625	8.950	0.887169510
10	0.23860	26.333	20.300	0.790902668
11	0.26511	23.700	6.695	0.697375101
12	0.29162	21.545	3.705	0.585801059
13	0.31814	19.750	6.937	0.477904835
14	0.34465	18.231	5.257	0.368505219
15	0.37116	16.929	2.004	0.333065046
16	0.39767	15.800	3.758	0.349153249
17	0.42418	14.813	4.621	0.373392019
18	0.45069	13.941	5.085	0.419034578
19	0.47720	13.167	7.673	0.474772477
20	0.50372	12.474	5.450	0.483193523
21	0.53023	11.850	6.609	0.456578395
22	0.55674	11.286	6.942	0.393482919
23	0.58325	10.773	3.829	0.291052400
24	0.60976	10.304	0.098	0.211415630
25	0.63627	9.875	1.263	0.190318651
26	0.66278	9.480	0.890	0.197395575
27	0.68929	9.115	4.568	0.235771829
28	0.71581	8.778	6.516	0.251513227
29	0.74232	8.464	1.580	0.204371863
30	0.76883	8.172	1.132	0.151109047
31	0.79534	7.900	0.755	0.097464171
32	0.82185	7.645	0.291	0.066065117
33	0.84836	7.406	0.667	0.066336087
34	0.87487	7.182	1.296	0.069061461
35	0.90139	6.971	1.416	0.065814456
36	0.92790	6.771	0.433	0.053482980
37	0.95441	6.583	0.248	0.049775974
38	0.98092	6.405	0.260	0.049000541
39	1.00743	6.237	0.250	0.058122420
40	1.03394	6.077	2.309	0.079919260
41	1.06045	5.925	0.418	0.081392723
42	1.08696	5.780	1.214	0.086966293
43	1.11348	5.643	1.632	0.085051926
44	1.13999	5.512	0.099	0.072493721
45	1.16650	5.386	1.412	0.073617160
46	1.19301	5.267	0.662	0.065795764
47	1.21952	5.152	0.875	0.057542991
48	1.24603	5.043	0.640	0.049187520
49	1.27254	4.937	0.608	0.035473377
50	1.29906	4.837	0.024	0.024256873
51	1.32557	4.740	0.096	0.017787954
52	1.35208	4.647	0.104	0.016697354
53	1.37859	4.558	0.306	0.022096803
54	1.40510	4.472	0.340	0.029645907
55	1.43161	4.389	0.399	0.034140307

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 5 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER. 133

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.766114952
2	0.02651	237.000	18.367	1.527170936
3	0.05302	118.500	27.934	1.413936027
4	0.07953	79.000	12.921	1.692896645
5	0.10605	59.250	11.252	1.524039469
6	0.13256	47.400	35.894	1.149332153
7	0.15907	39.500	7.757	1.086137631
8	0.18558	33.857	4.391	1.230149457
9	0.21209	29.625	8.950	0.765421212
10	0.23860	26.333	20.300	0.700924538
11	0.26511	23.700	6.695	0.741451395
12	0.29162	21.545	3.705	0.682677544
13	0.31814	19.750	6.937	0.391473824
14	0.34465	18.231	5.257	0.344738799
15	0.37116	16.929	2.004	0.359330703
16	0.39767	15.800	3.758	0.329850974
17	0.42418	14.813	4.621	0.368296900
18	0.45069	13.941	5.085	0.423154059
19	0.47720	13.167	7.673	0.468534115
20	0.50372	12.474	5.450	0.505464450
21	0.53023	11.850	6.609	0.485475877
22	0.55674	11.286	6.942	0.364918660
23	0.58325	10.773	3.829	0.298267937
24	0.60976	10.304	0.098	0.207244080
25	0.63627	9.875	1.263	0.169455914
26	0.66278	9.480	0.890	0.212225580
27	0.68929	9.115	4.568	0.235816325
28	0.71581	8.778	6.516	0.233733249
29	0.74232	8.464	1.580	0.231586084
30	0.76883	8.172	1.132	0.163517800
31	0.79534	7.900	0.755	0.070434033
32	0.82185	7.645	0.291	0.065912658
33	0.84836	7.406	0.667	0.070435271
34	0.87487	7.182	1.296	0.065304648
35	0.90139	6.971	1.416	0.064625303
36	0.92790	6.771	0.433	0.058142663
37	0.95441	6.583	0.248	0.041487336
38	0.98092	6.405	0.260	0.055706049
39	1.00743	6.237	0.250	0.055468087
40	1.03394	6.077	2.309	0.070841483
41	1.06045	5.925	0.418	0.092679705
42	1.08696	5.780	1.214	0.090283256
43	1.11348	5.643	1.632	0.076008712
44	1.13999	5.512	0.099	0.079895713
45	1.16650	5.386	1.412	0.074495806
46	1.19301	5.267	0.662	0.058705578
47	1.21952	5.152	0.875	0.066805788
48	1.24603	5.043	0.640	0.044705648
49	1.27254	4.937	0.608	0.035700371
50	1.29906	4.837	0.024	0.023428900
51	1.32557	4.740	0.096	0.018115047
52	1.35208	4.647	0.104	0.013843512
53	1.37859	4.558	0.306	0.019823887
54	1.40510	4.472	0.340	0.032167968
55	1.43161	4.389	0.399	0.037466695

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 5 (Tri)

PER. 134

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.630762694
2	0.02651	237.000	18.367	1.582611180
3	0.05302	118.500	27.934	1.556146543
4	0.07953	79.000	12.921	1.515469706
5	0.10605	59.250	11.252	1.477286356
6	0.13256	47.400	35.894	1.441344001
7	0.15907	39.500	7.757	1.096780983
8	0.18558	33.857	4.391	0.908783822
9	0.21209	29.625	8.950	0.801825280
10	0.23860	26.333	20.300	0.886722997
11	0.26511	23.700	6.695	0.742553948
12	0.29162	21.545	3.705	0.565306082
13	0.31814	19.750	6.937	0.419399131
14	0.34465	18.231	5.257	0.363543625
15	0.37116	16.929	2.004	0.314772913
16	0.39767	15.800	3.758	0.308286010
17	0.42418	14.813	4.621	0.364521865
18	0.45069	13.941	5.085	0.433709467
19	0.47720	13.167	7.673	0.489135069
20	0.50372	12.474	5.450	0.503480718
21	0.53023	11.850	6.609	0.496159627
22	0.55674	11.286	6.942	0.417785150
23	0.58325	10.773	3.829	0.295659384
24	0.60976	10.304	0.098	0.161888533
25	0.63627	9.875	1.263	0.125207908
26	0.66278	9.480	0.890	0.185194682
27	0.68929	9.115	4.568	0.277266895
28	0.71581	8.778	6.516	0.299441174
29	0.74232	8.464	1.580	0.224227468
30	0.76883	8.172	1.132	0.131507528
31	0.79534	7.900	0.755	0.065062884
32	0.82185	7.645	0.291	0.054338468
33	0.84836	7.406	0.667	0.064966078
34	0.87487	7.182	1.296	0.077624502
35	0.90139	6.971	1.416	0.076230157
36	0.92790	6.771	0.433	0.054668802
37	0.95441	6.583	0.248	0.033562204
38	0.98092	6.405	0.260	0.039949870
39	1.00743	6.237	0.250	0.057951645
40	1.03394	6.077	2.309	0.086096999
41	1.06045	5.925	0.418	0.090031706
42	1.08696	5.780	1.214	0.089752744
43	1.11348	5.643	1.632	0.082703234
44	1.13999	5.512	0.099	0.073061870
45	1.16650	5.386	1.412	0.073094659
46	1.19301	5.267	0.662	0.064545830
47	1.21952	5.152	0.875	0.064096906
48	1.24603	5.043	0.640	0.049268114
49	1.27254	4.937	0.608	0.036458931
50	1.29906	4.837	0.024	0.019665629
51	1.32557	4.740	0.096	0.012894333
52	1.35208	4.647	0.104	0.013083380
53	1.37859	4.558	0.306	0.020350073
54	1.40510	4.472	0.340	0.030120625
55	1.43161	4.389	0.399	0.038594013

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 3 (Rec)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.135

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.461572372
2	0.02651	237.000	18.367	1.715357855
3	0.05302	118.500	27.934	1.570903312
4	0.07953	79.000	12.921	1.382178463
5	0.10605	59.250	11.252	1.593327343
6	0.13256	47.400	35.894	1.456353261
7	0.15907	39.500	7.757	1.274351400
8	0.18558	33.857	4.391	0.559638289
9	0.21209	29.625	8.950	0.892361777
10	0.23860	26.333	20.300	0.953475774
11	0.26511	23.700	6.695	0.814331440
12	0.29162	21.545	3.705	0.459854629
13	0.31814	19.750	6.937	0.421732175
14	0.34465	18.231	5.257	0.376610587
15	0.37116	16.929	2.004	0.292288113
16	0.39767	15.800	3.758	0.275420039
17	0.42418	14.813	4.621	0.357149878
18	0.45069	13.941	5.085	0.460995677
19	0.47720	13.167	7.673	0.482982847
20	0.50372	12.474	5.450	0.523426683
21	0.53023	11.850	6.609	0.504032623
22	0.55674	11.286	6.942	0.461019575
23	0.58325	10.773	3.829	0.288303252
24	0.60976	10.304	0.098	0.137655325
25	0.63627	9.875	1.263	0.059707021
26	0.66278	9.480	0.890	0.178261379
27	0.68929	9.115	4.568	0.317615646
28	0.71581	8.778	6.516	0.335923660
29	0.74232	8.464	1.580	0.244784216
30	0.76883	8.172	1.132	0.091974529
31	0.79534	7.900	0.755	0.057763838
32	0.82185	7.645	0.291	0.045450285
33	0.84836	7.406	0.667	0.059801282
34	0.87487	7.182	1.296	0.089646668
35	0.90139	6.971	1.416	0.083425555
36	0.92790	6.771	0.433	0.055618247
37	0.95441	6.583	0.248	0.024962605
38	0.98092	6.405	0.260	0.020105761
39	1.00743	6.237	0.250	0.074781245
40	1.03394	6.077	2.309	0.078967928
41	1.06045	5.925	0.418	0.104541825
42	1.08696	5.780	1.214	0.086585365
43	1.11348	5.643	1.632	0.078131043
44	1.13999	5.512	0.099	0.083393294
45	1.16650	5.386	1.412	0.057661274
46	1.19301	5.267	0.662	0.078229409
47	1.21952	5.152	0.875	0.057746808
48	1.24603	5.043	0.640	0.056314502
49	1.27254	4.937	0.608	0.033743030
50	1.29906	4.837	0.024	0.019319262
51	1.32557	4.740	0.096	0.005934596
52	1.35208	4.647	0.104	0.013429142
53	1.37859	4.558	0.306	0.019886403
54	1.40510	4.472	0.340	0.027734674
55	1.43161	4.389	0.399	0.042740796

Spectral Density Estimates: (Subset2:War 1756-1992)

Spectral Window: 3 (Tri)

Basic (Homoscedastic Approxm) Model:Residual

12:58 Monday, October 17, 1994

PER.136

OBS	FREQ	PERIOD	P_01	S_01
1	0.00000	.	604.703	1.461572372
2	0.02651	237.000	18.367	1.651911484
3	0.05302	118.500	27.934	1.733909690
4	0.07953	79.000	12.921	1.293686033
5	0.10605	59.250	11.252	1.418844964
6	0.13256	47.400	35.894	1.806358811
7	0.15907	39.500	7.757	1.110085174
8	0.18558	33.857	4.391	0.507076777
9	0.21209	29.625	8.950	0.847330365
10	0.23860	26.333	20.300	1.118971070
11	0.26511	23.700	6.695	0.743932138
12	0.29162	21.545	3.705	0.418591754
13	0.31814	19.750	6.937	0.454305763
14	0.34465	18.231	5.257	0.387049658
15	0.37116	16.929	2.004	0.259075675
16	0.39767	15.800	3.758	0.281329806
17	0.42418	14.813	4.621	0.359803071
18	0.45069	13.941	5.085	0.446903728
19	0.47720	13.167	7.673	0.514886261
20	0.50372	12.474	5.450	0.501001052
21	0.53023	11.850	6.609	0.509514314
22	0.55674	11.286	6.942	0.483868262
23	0.58325	10.773	3.829	0.292398692
24	0.60976	10.304	0.098	0.105194098
25	0.63627	9.875	1.263	0.069897901
26	0.66278	9.480	0.890	0.151406060
27	0.68929	9.115	4.568	0.329080108
28	0.71581	8.778	6.516	0.381576080
29	0.74232	8.464	1.580	0.215029198
30	0.76883	8.172	1.132	0.091494687
31	0.79534	7.900	0.755	0.058348949
32	0.82185	7.645	0.291	0.039870732
33	0.84836	7.406	0.667	0.058129587
34	0.87487	7.182	1.296	0.093024318
35	0.90139	6.971	1.416	0.090736224
36	0.92790	6.771	0.433	0.050326477
37	0.95441	6.583	0.248	0.023655790
38	0.98092	6.405	0.260	0.020254647
39	1.00743	6.237	0.250	0.061056092
40	1.03394	6.077	2.309	0.105166395
41	1.06045	5.925	0.418	0.086721707
42	1.08696	5.780	1.214	0.089089606
43	1.11348	5.643	1.632	0.091071386
44	1.13999	5.512	0.099	0.064519567
45	1.16650	5.386	1.412	0.071343225
46	1.19301	5.267	0.662	0.071846146
47	1.21952	5.152	0.875	0.060710804
48	1.24603	5.043	0.640	0.054971196
49	1.27254	4.937	0.608	0.037407132
50	1.29906	4.837	0.024	0.014961540
51	1.32557	4.740	0.096	0.006368440
52	1.35208	4.647	0.104	0.012133216
53	1.37859	4.558	0.306	0.021007806
54	1.40510	4.472	0.340	0.027561445
55	1.43161	4.389	0.399	0.040003160

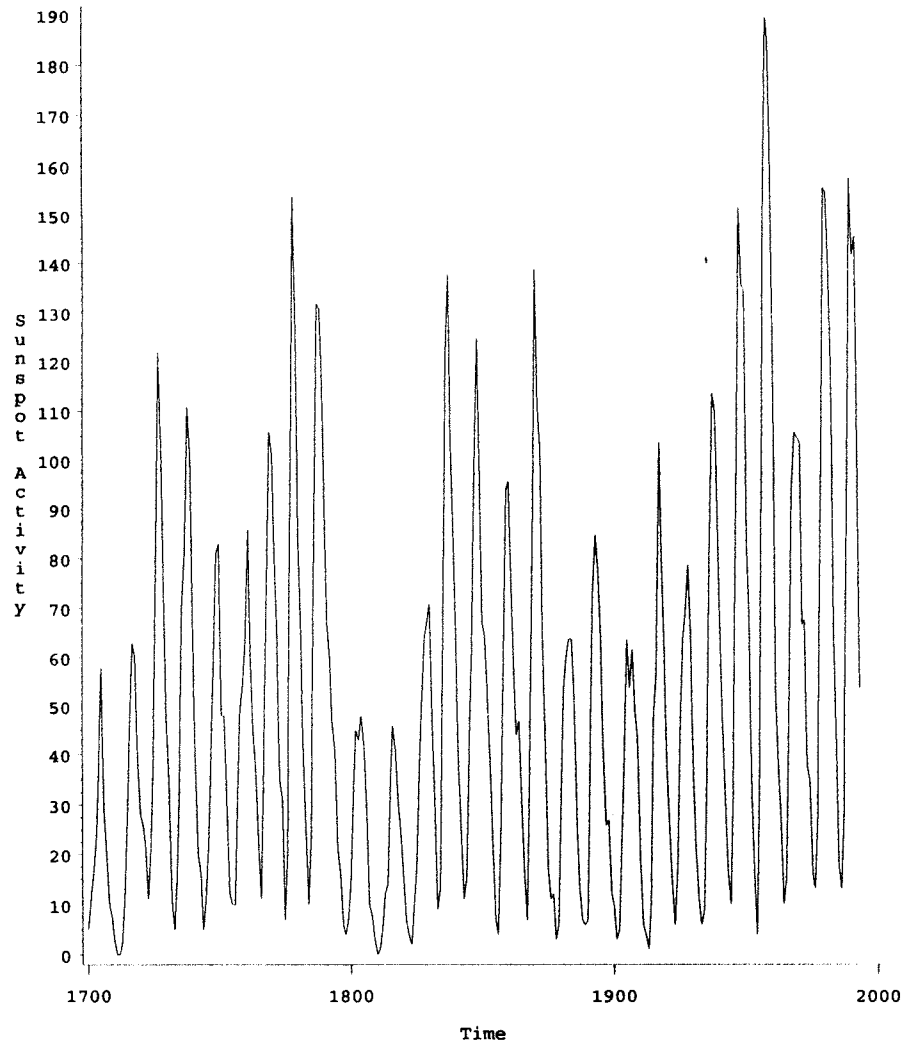
**"GR" APPENDIX 1-135**

for the graphs, pre-spectral and spectral

	<i>Pages</i>
The sunspot data (for testing only)	GR 1-3
The tin data	GR 4-44
The population data	GR 45-82
The war (battle fatalities) data	GR 83-135

# Sunspots: Original Data 1700 - 1993

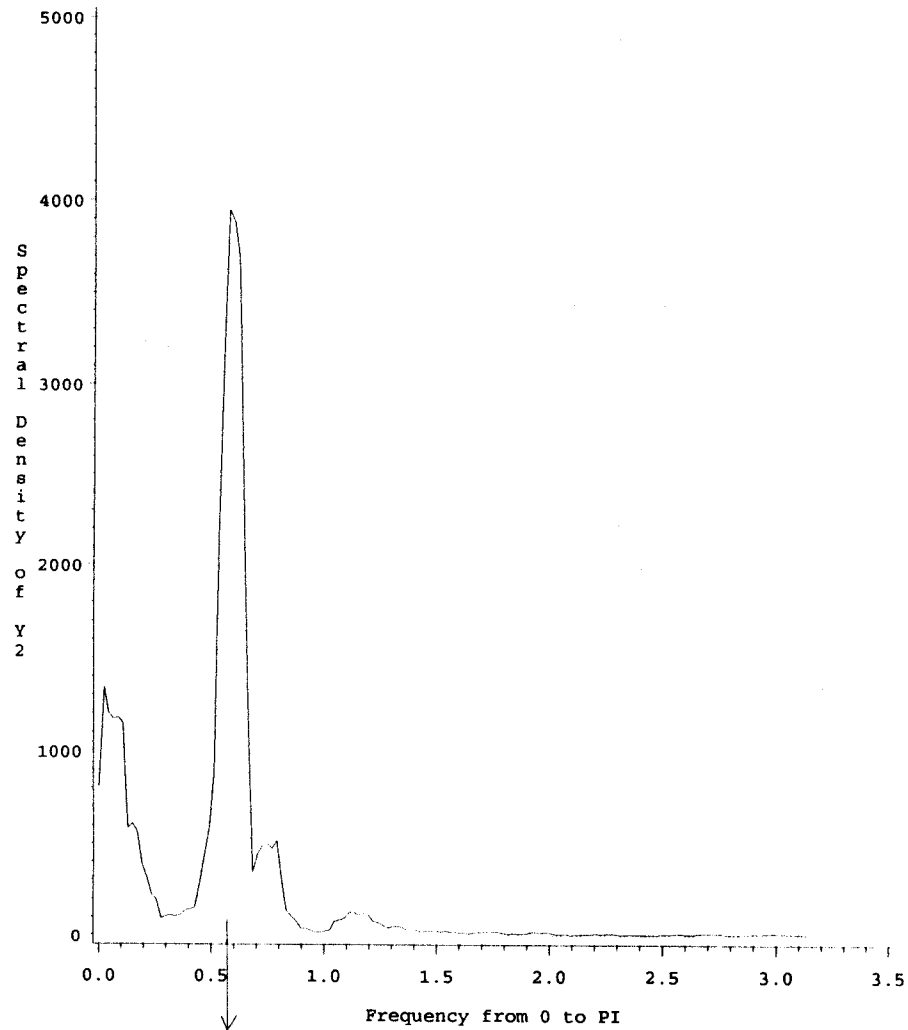
Sunspot Density: Yearly Mean



QR.1

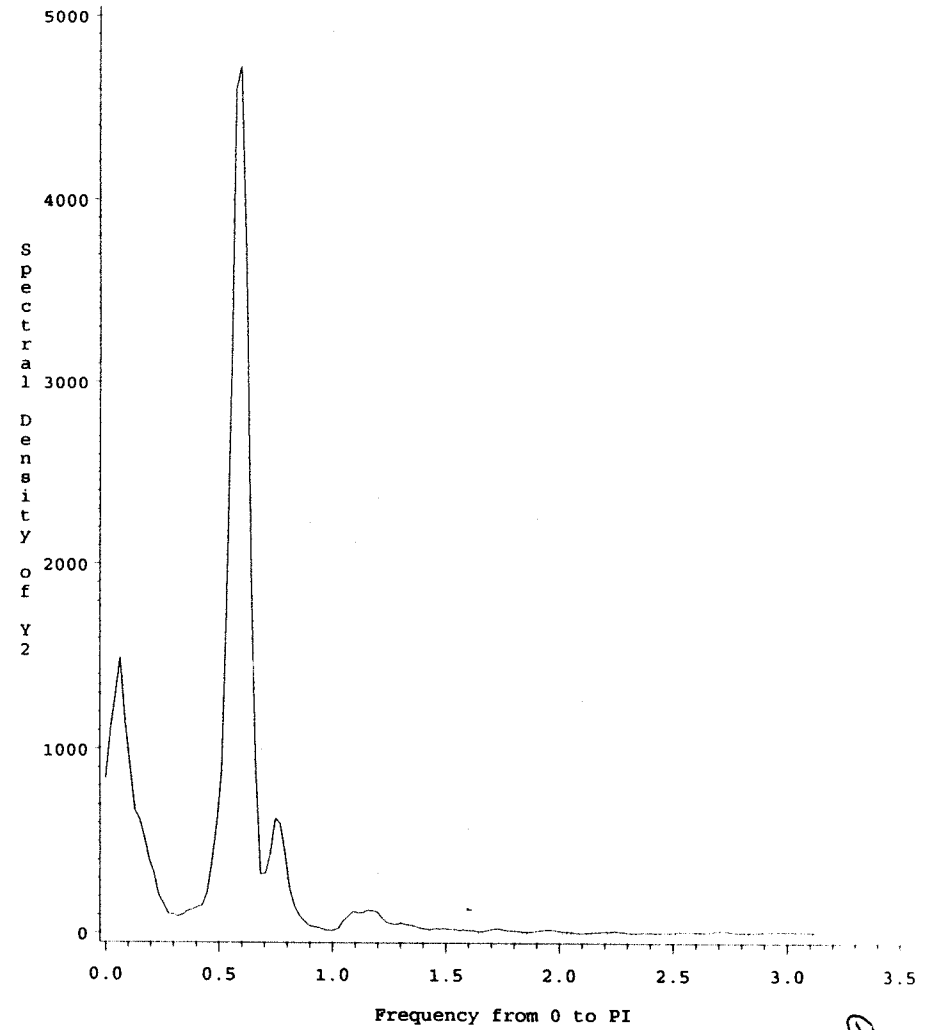
# Spectral Density Estimates

Spectral Window: Rectangular (5)  
Sunspots: 1700-1993



# Spectral Density Estimates

Spectral Window: Triangular (5)  
Sunspots: 1700-1993

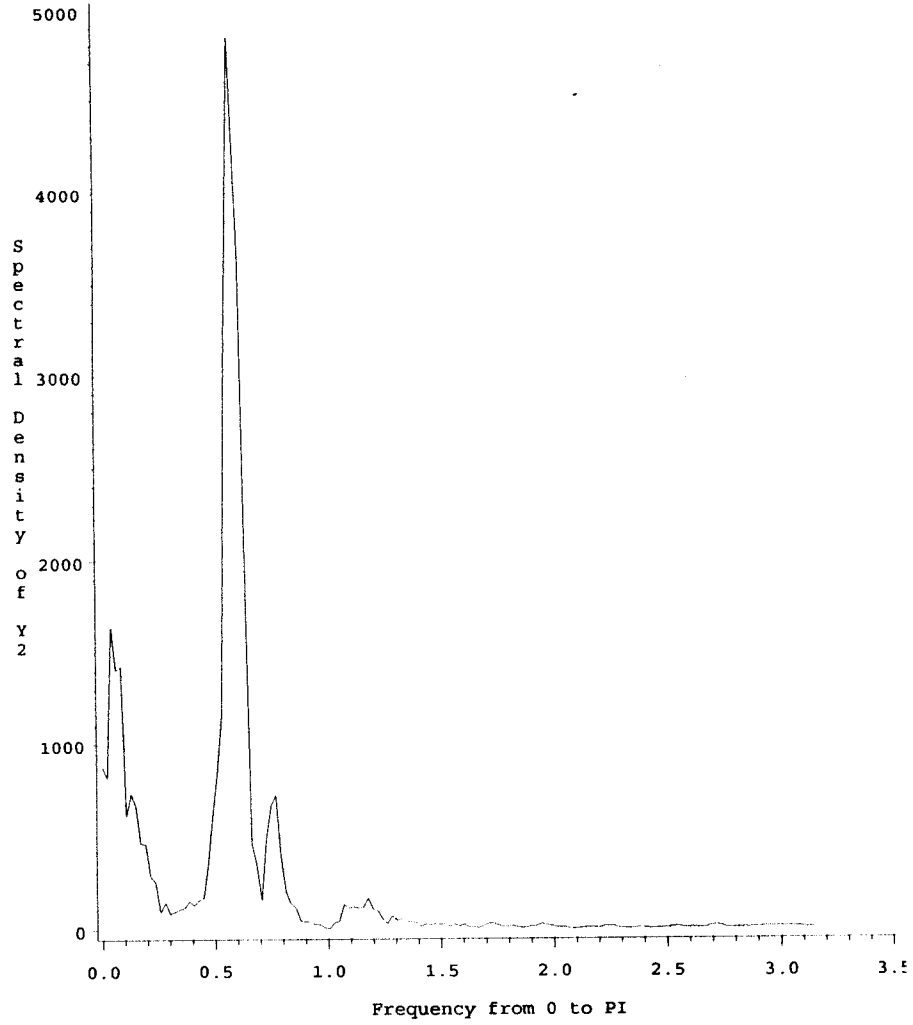


GR.2



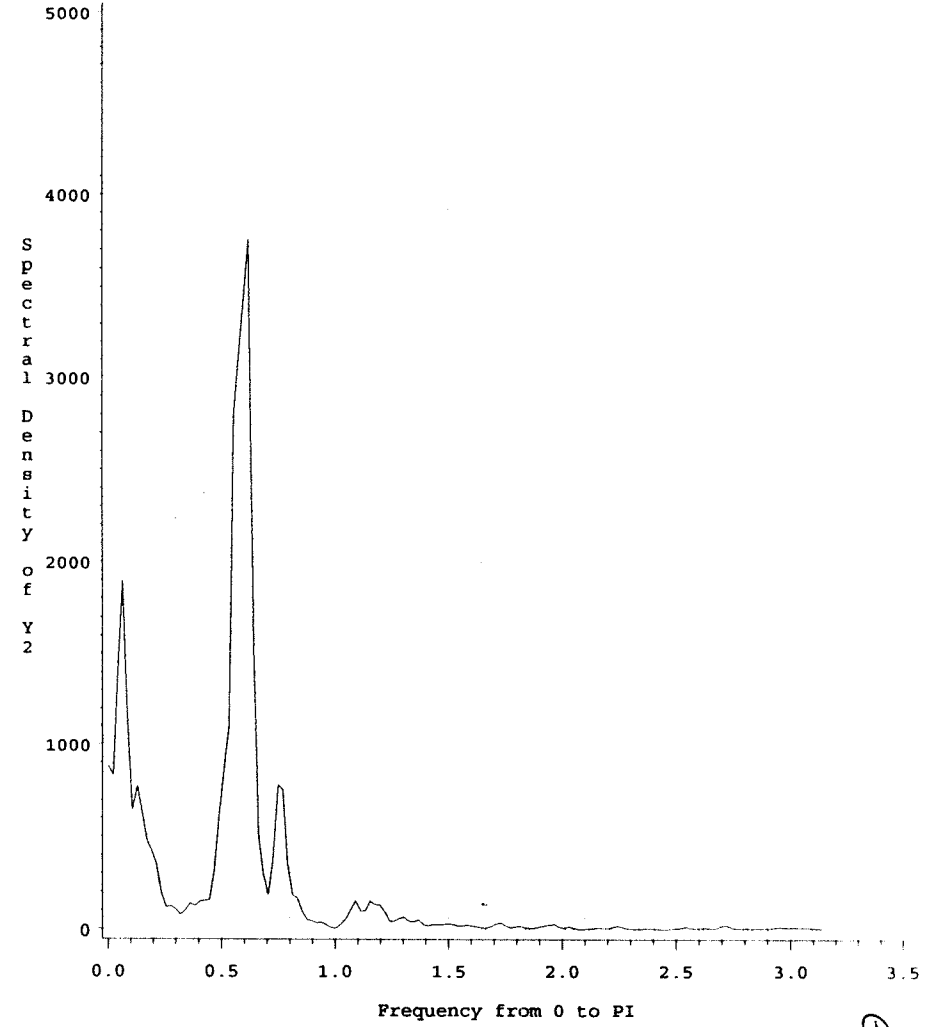
# Spectral Density Estimates

Spectral Window: Rectangular (3)  
Sunspots: 1700-1993



# Spectral Density Estimates

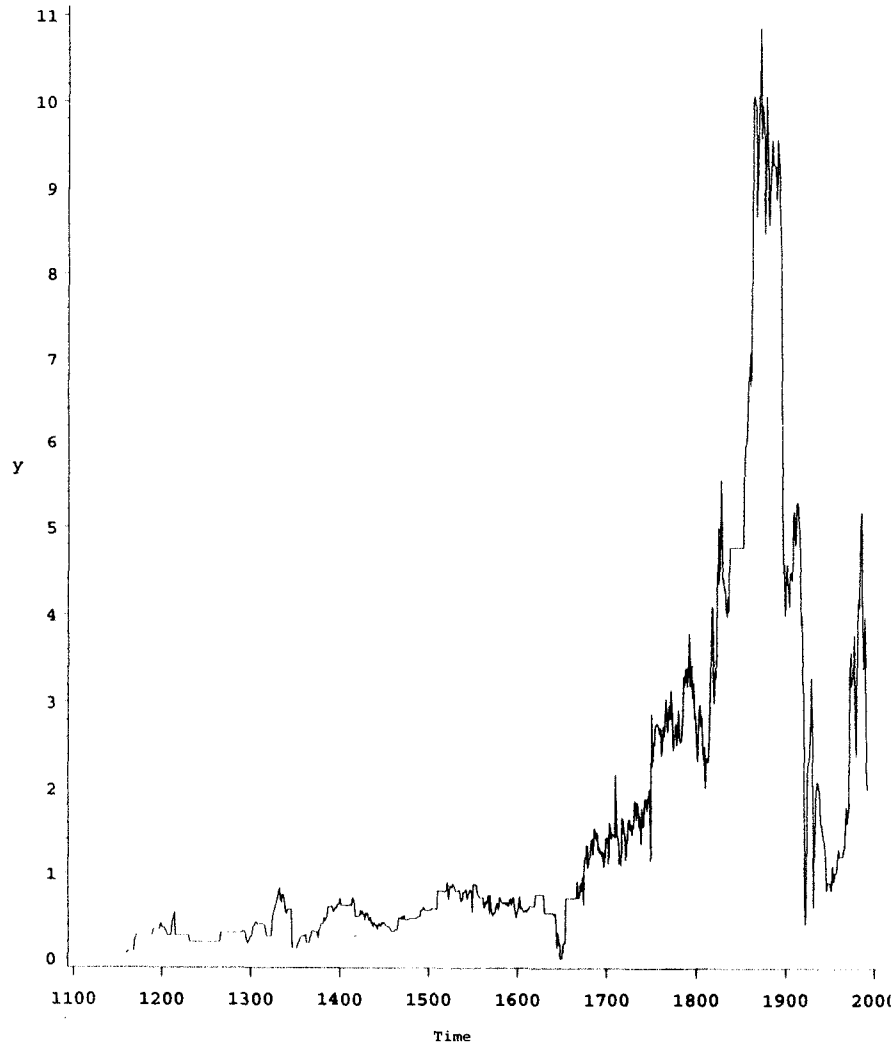
Spectral Window: Triangular (3)  
Sunspots: 1700-1993



PR.3

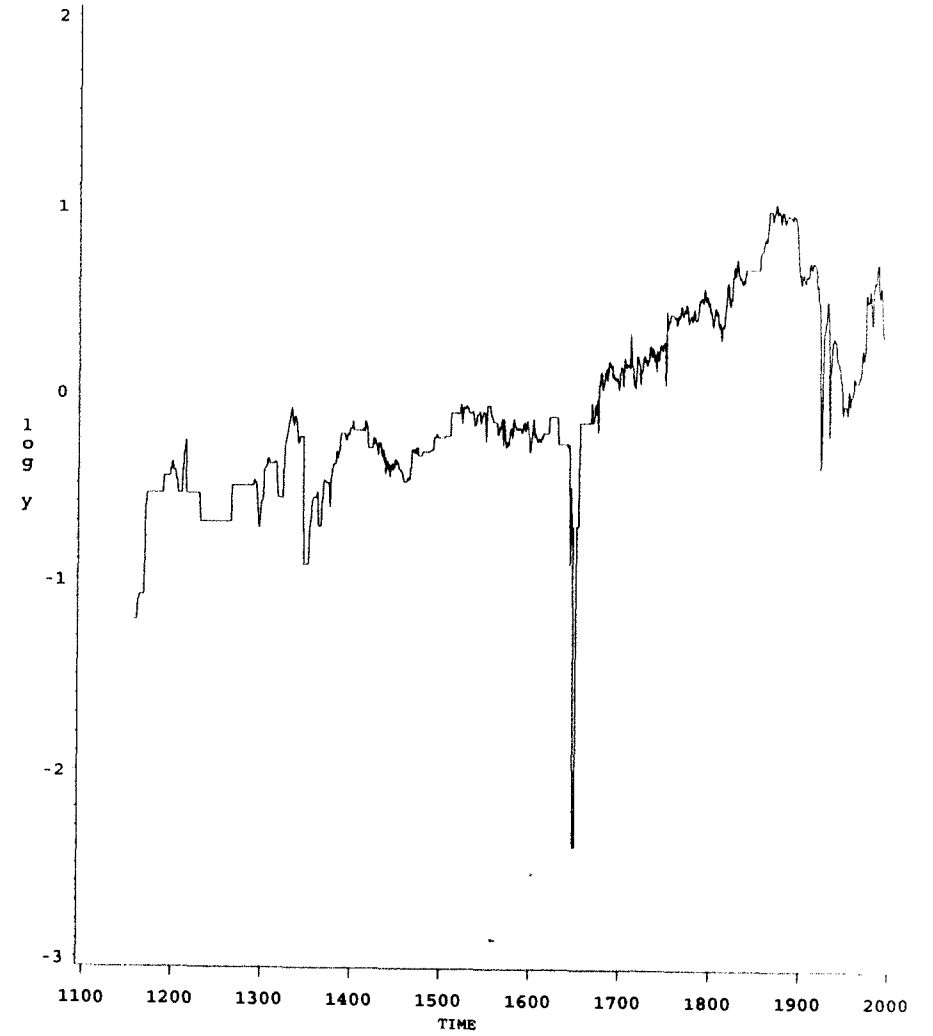
# Tin Production: 1156-1992

Original Data: Raw



# Tin Production: 1156-1992

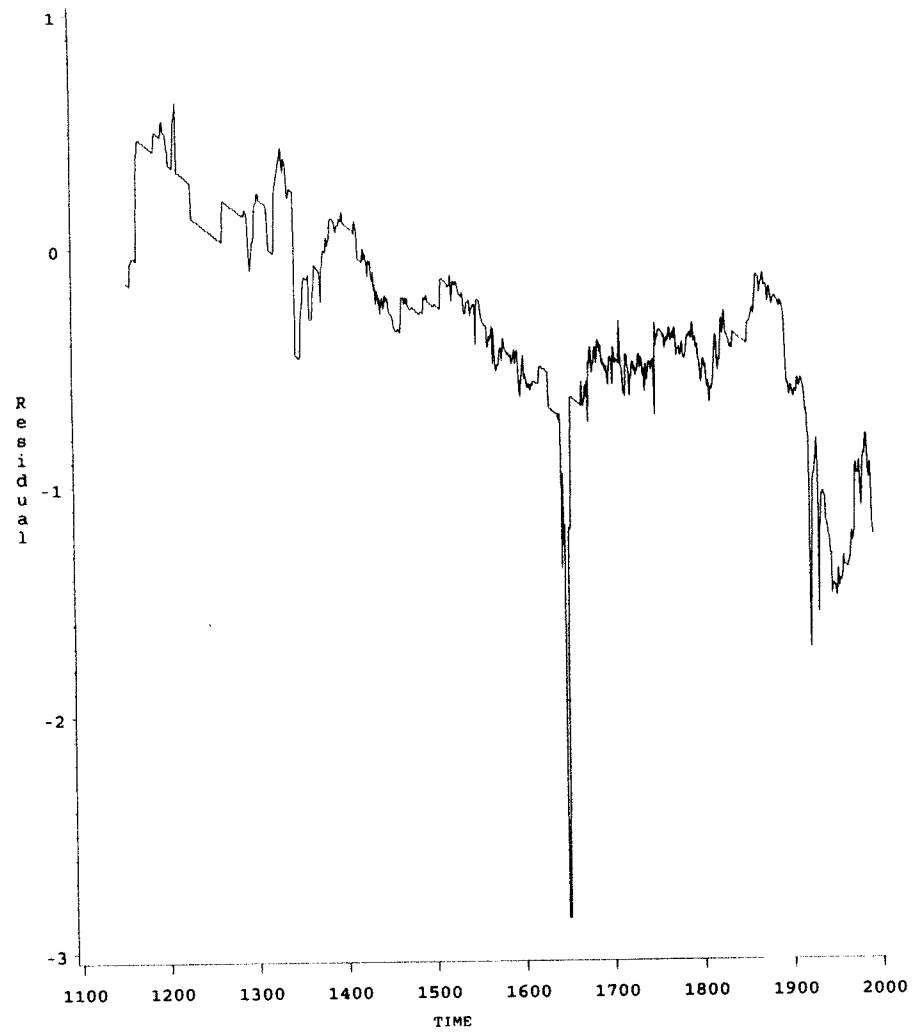
Original Data: Log Transformed



PR.4

# Basic (Homoscedastic Approxm) Model

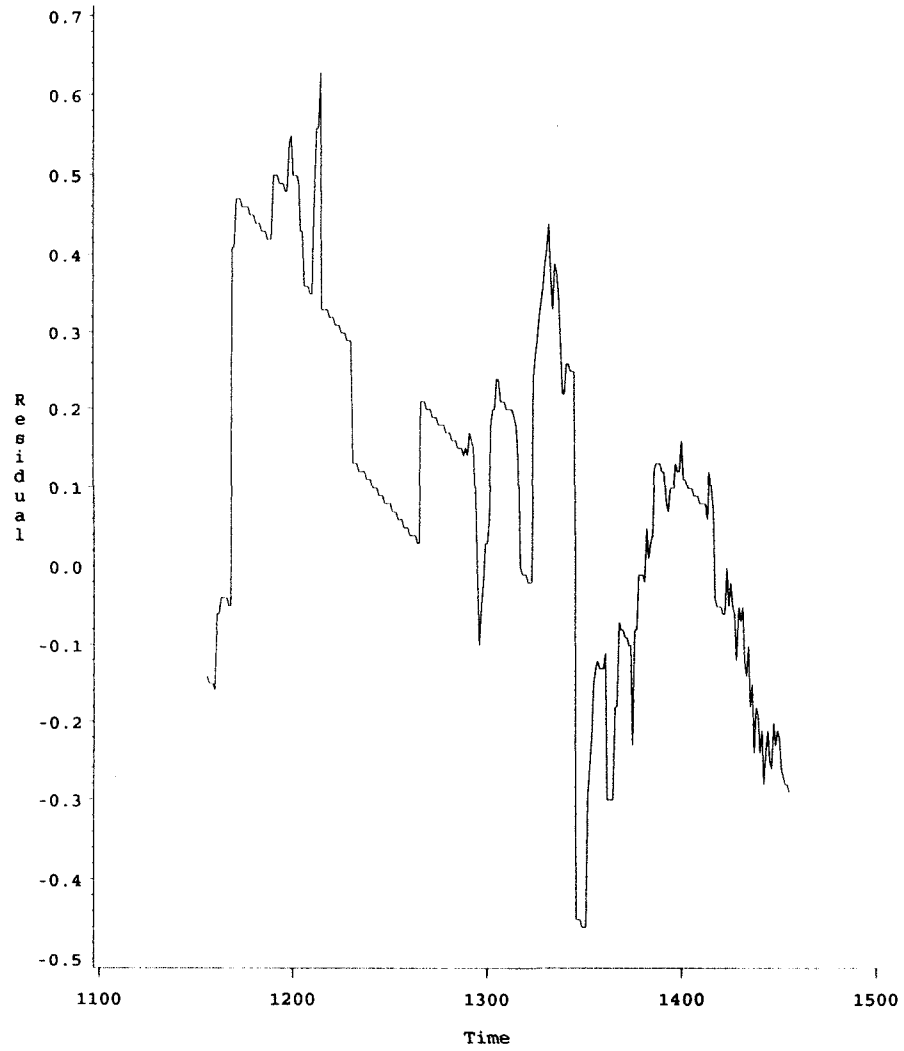
Tin Production: 1156-1992



GR.5

# Basic (Homoscedastic Approxm) Model

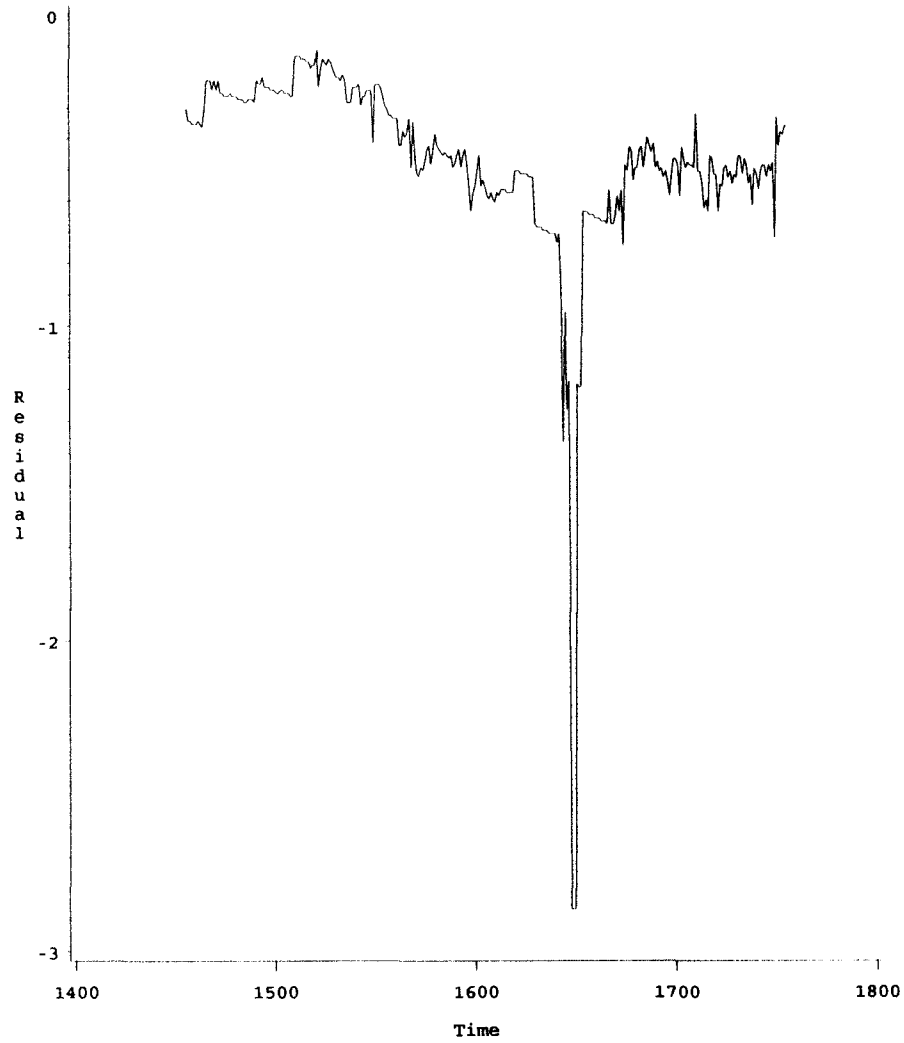
SUBSET1: Tin Production 1156-1455



QR.6

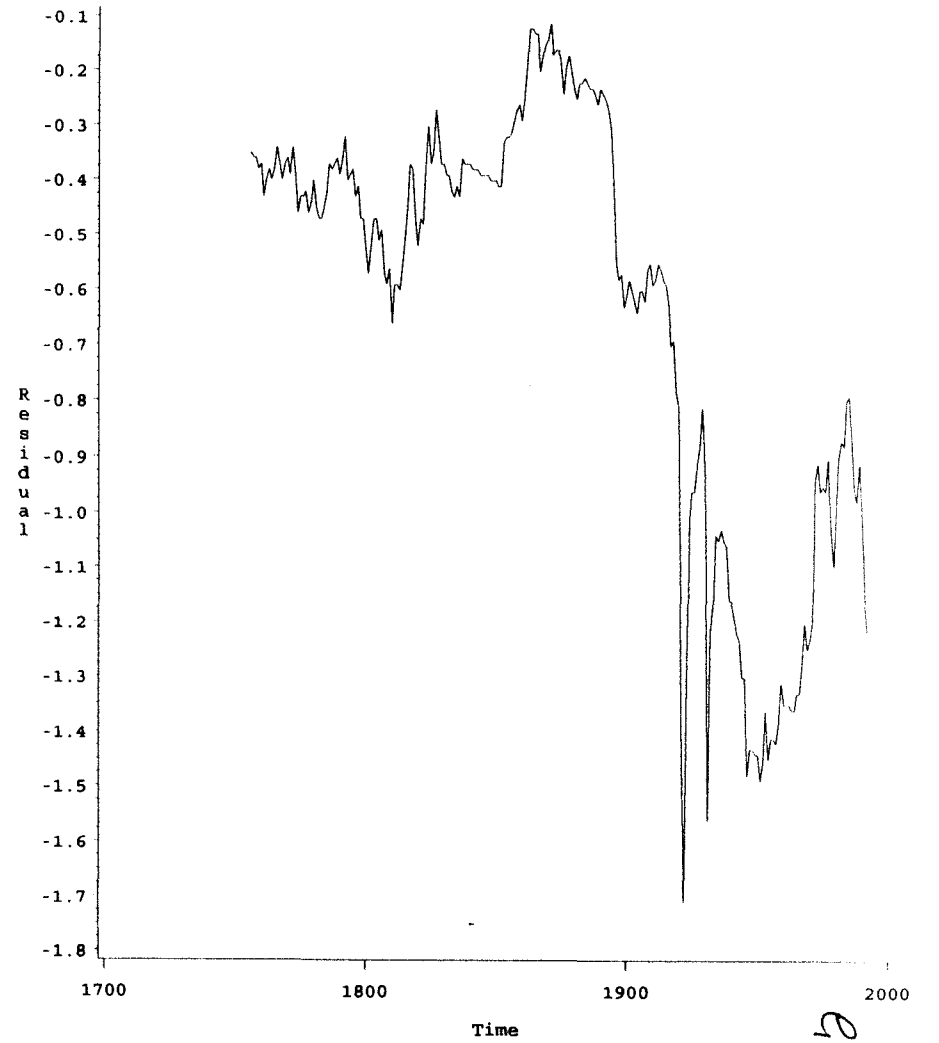
# Basic (Homoscedastic Approxm) Model

SUBSET2: Tin Production 1456-1755



# Basic (Homoscedastic Approxm) Model

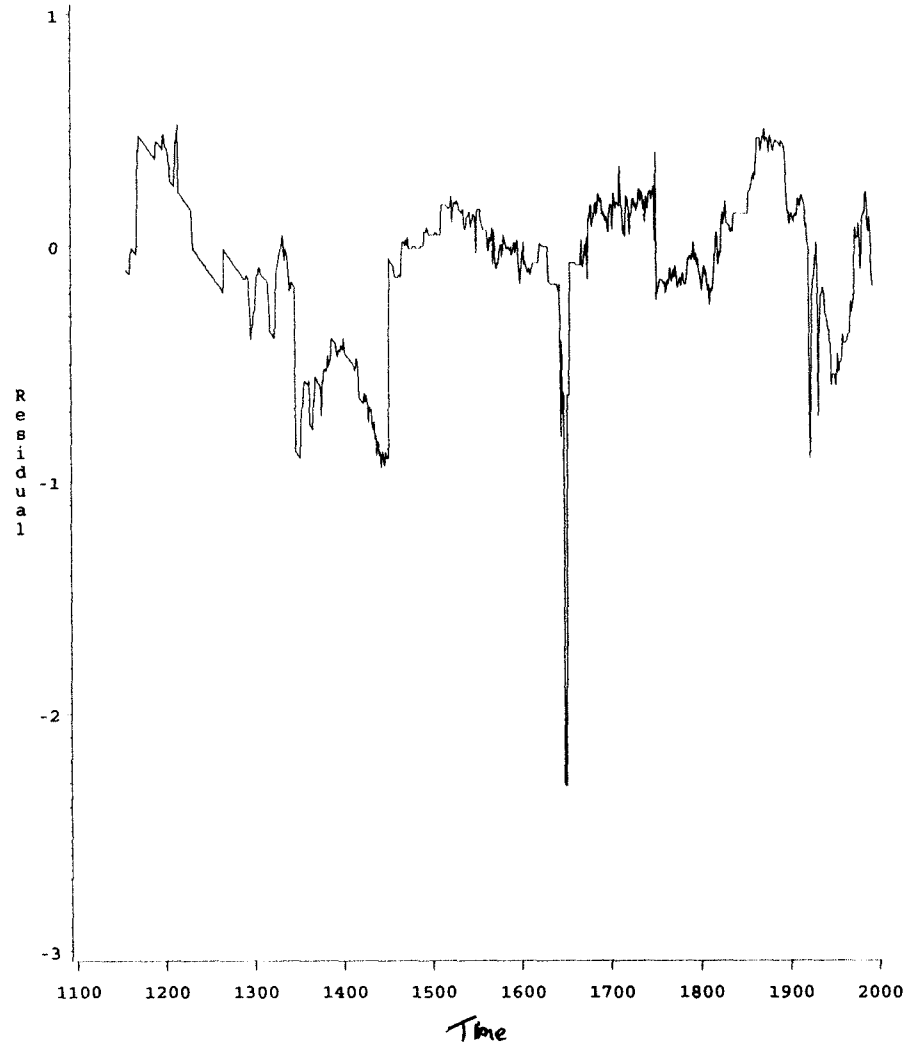
SUBSET3: Tin Production 1756-1992



PR.7

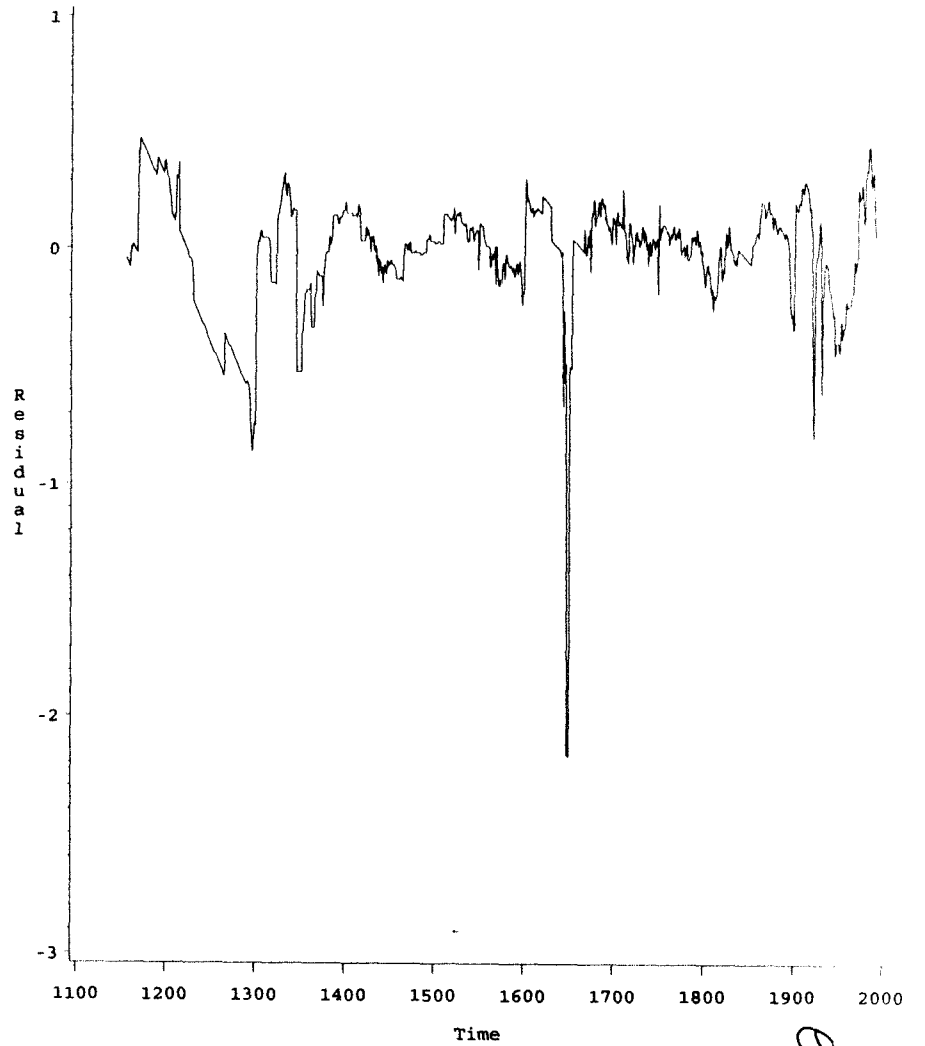
Heteroscedasticity Reduced: 300-yr step Model

Tin Production: 1156-1992



Heteroscedasticity Reduced: 150-yr step Model

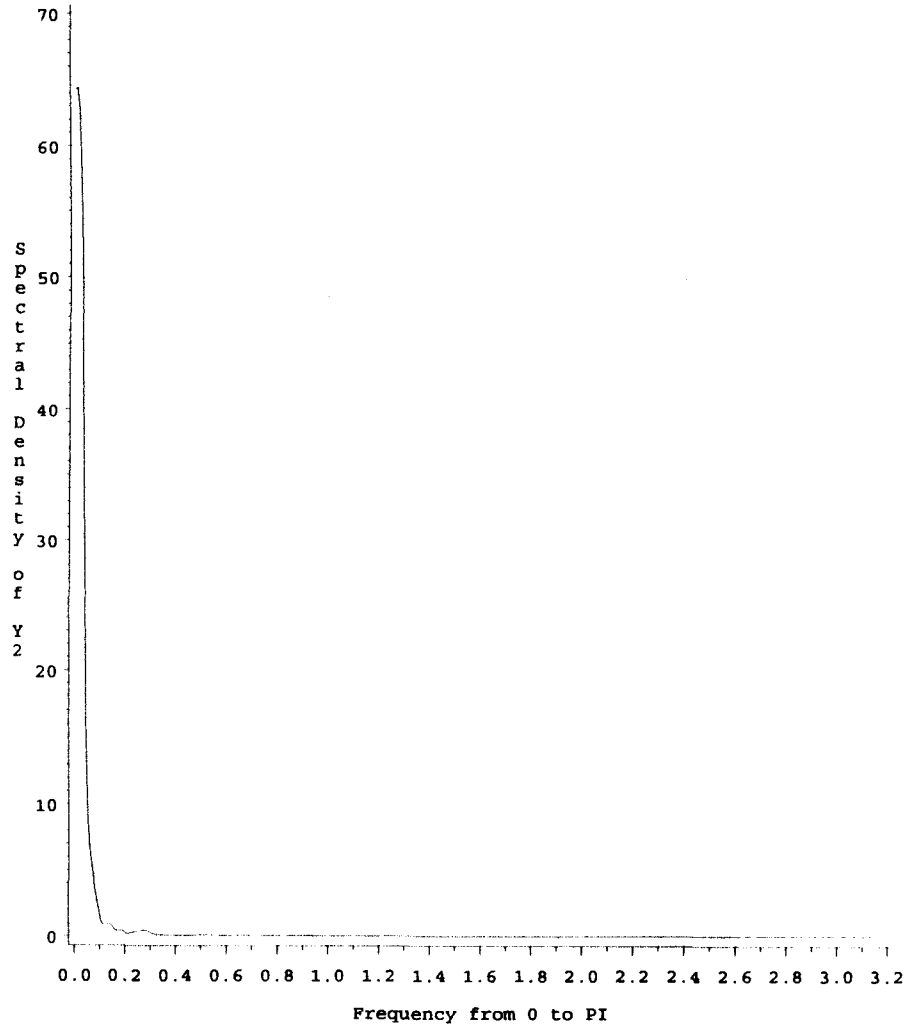
Tin Production: 1156-1992



GR.8

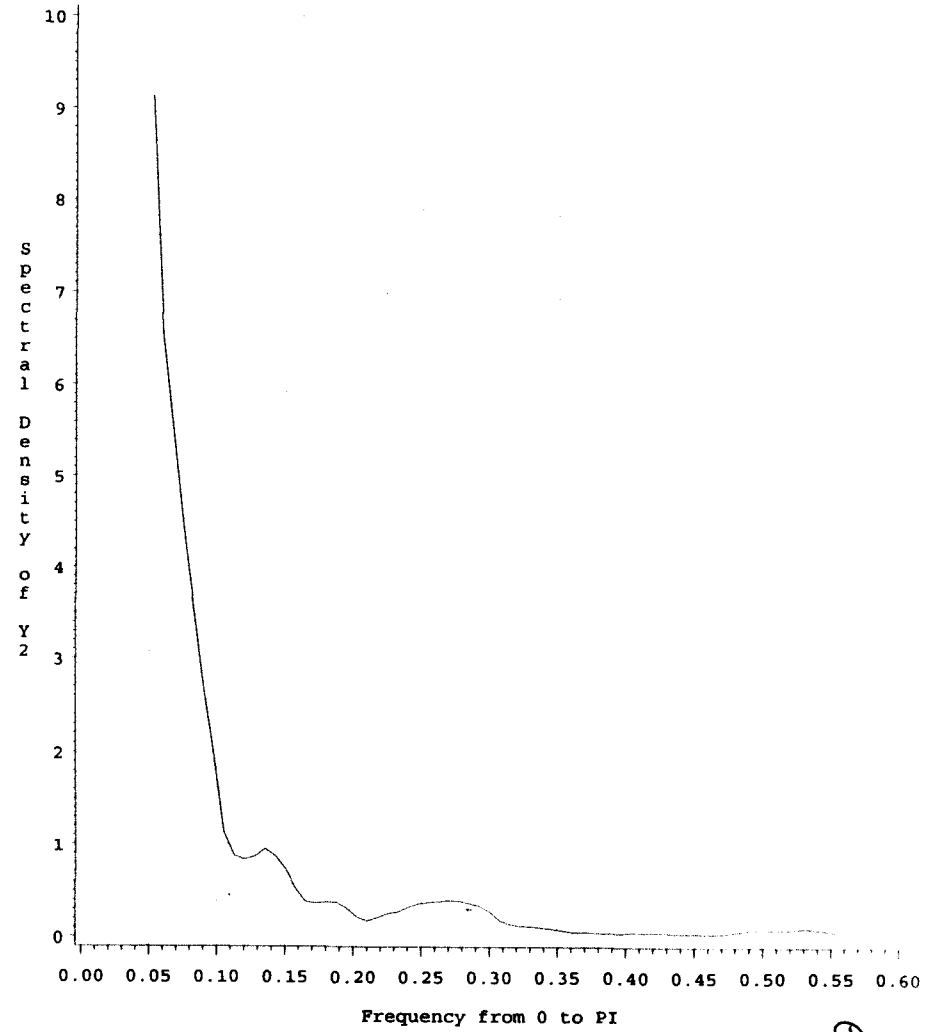
# Spectral Density Estimates

Spectral Window: 9 (Rec)  
Tin Prodn: Original Data 1156-1992



# Spectral Density Estimates

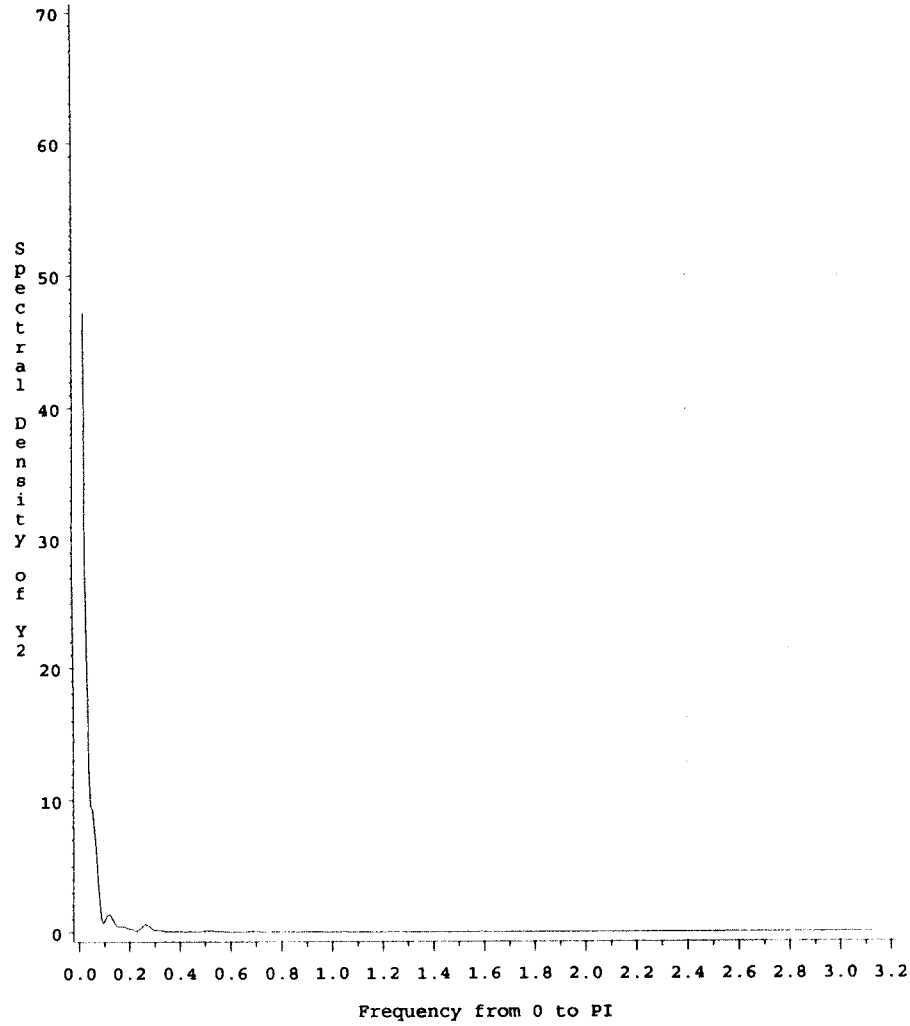
Spectral Window: 9 (Rec)  
Tin Prodn: Original Data 1156-1992



ER.9

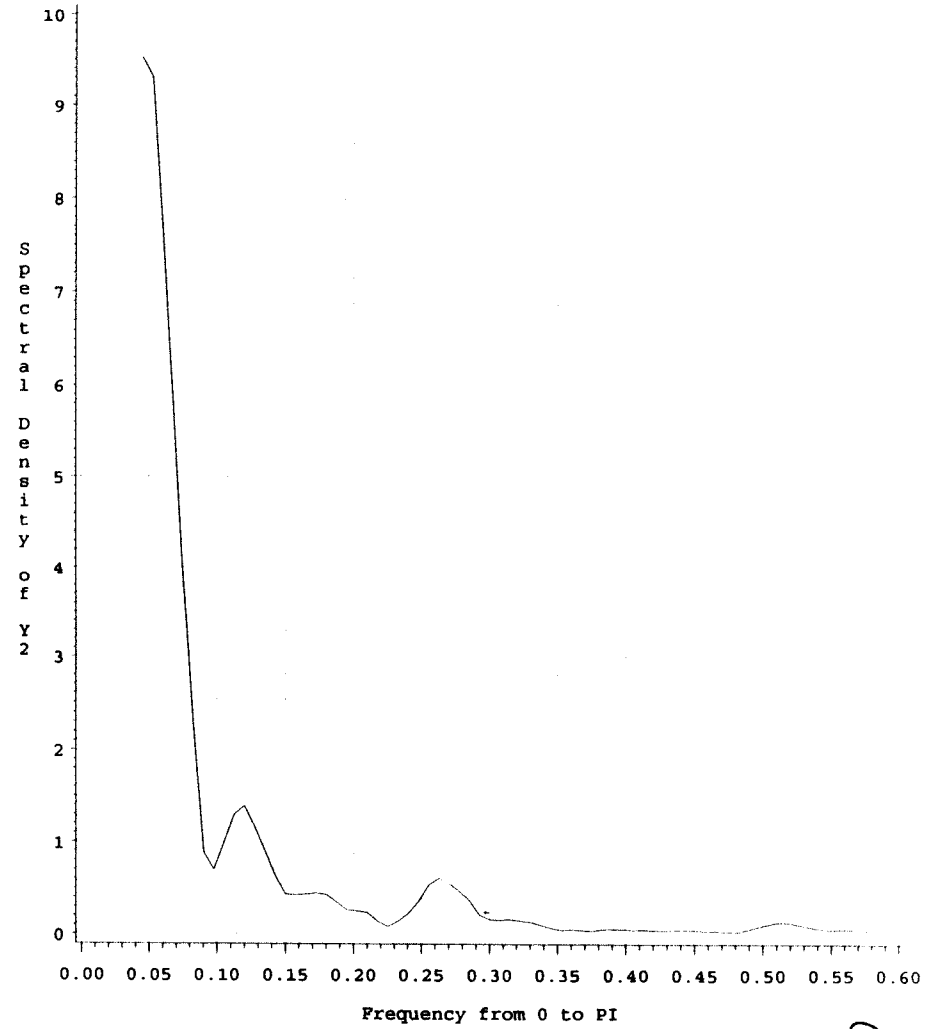
# Spectral Density Estimates

Spectral Window: 5 (Rec)  
Tin Prodn: Original Data 1156-1992



# Spectral Density Estimates

Spectral Window: 5 (Rec)  
Tin Prodn: Original Data 1156-1992

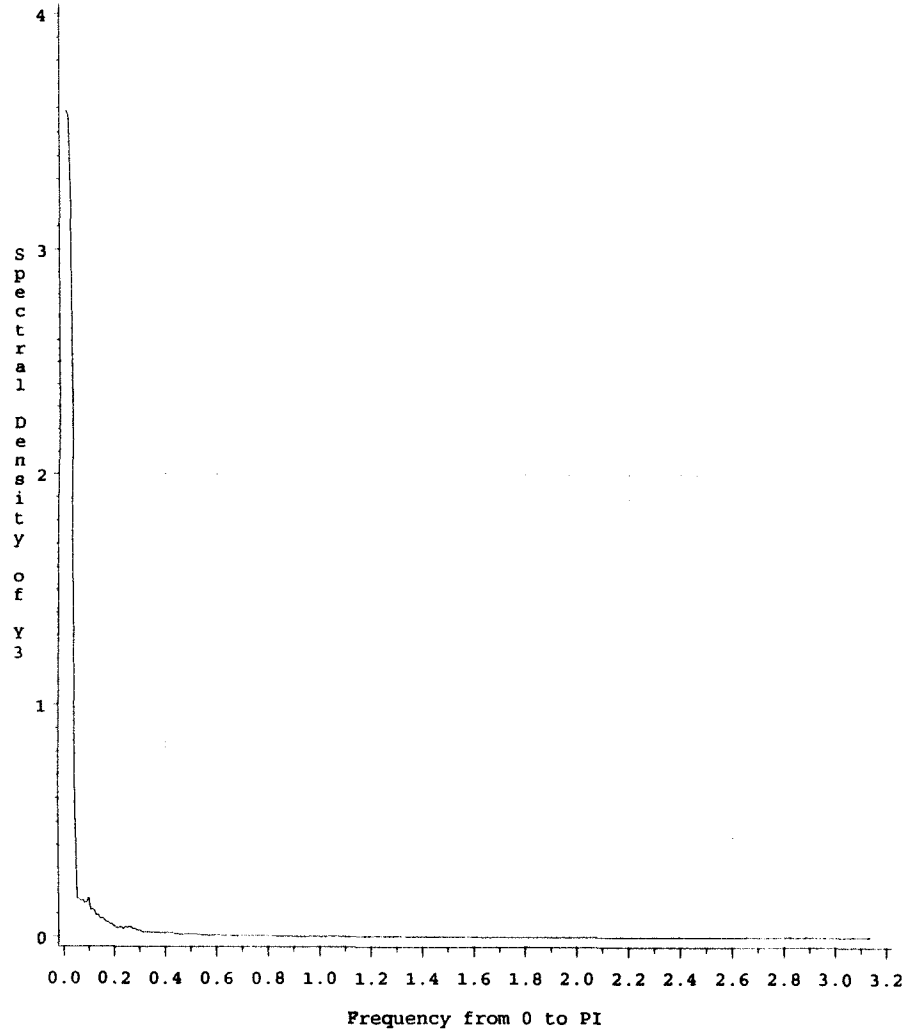


ER.10



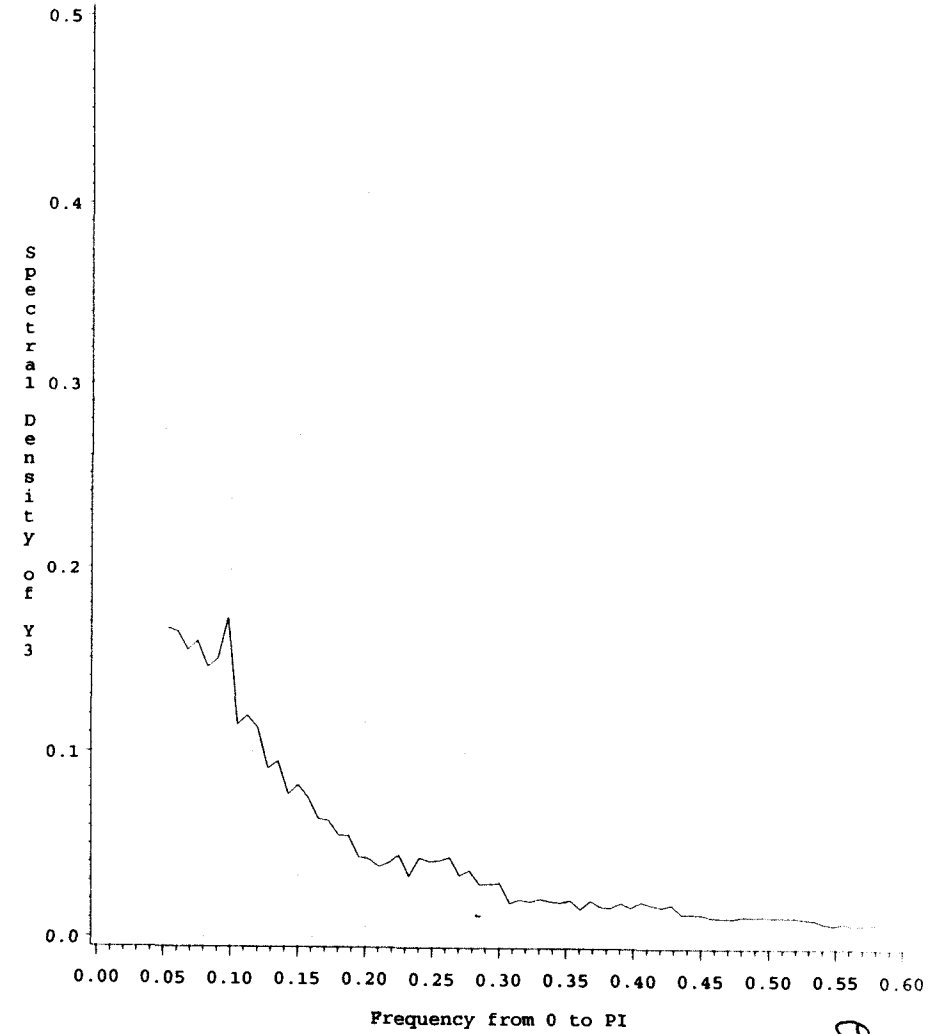
# Spectral Density Estimates

Spectral Window: 9 (Rec)  
Tin Prodn: Log y (1156-1992)



# Spectral Density Estimates

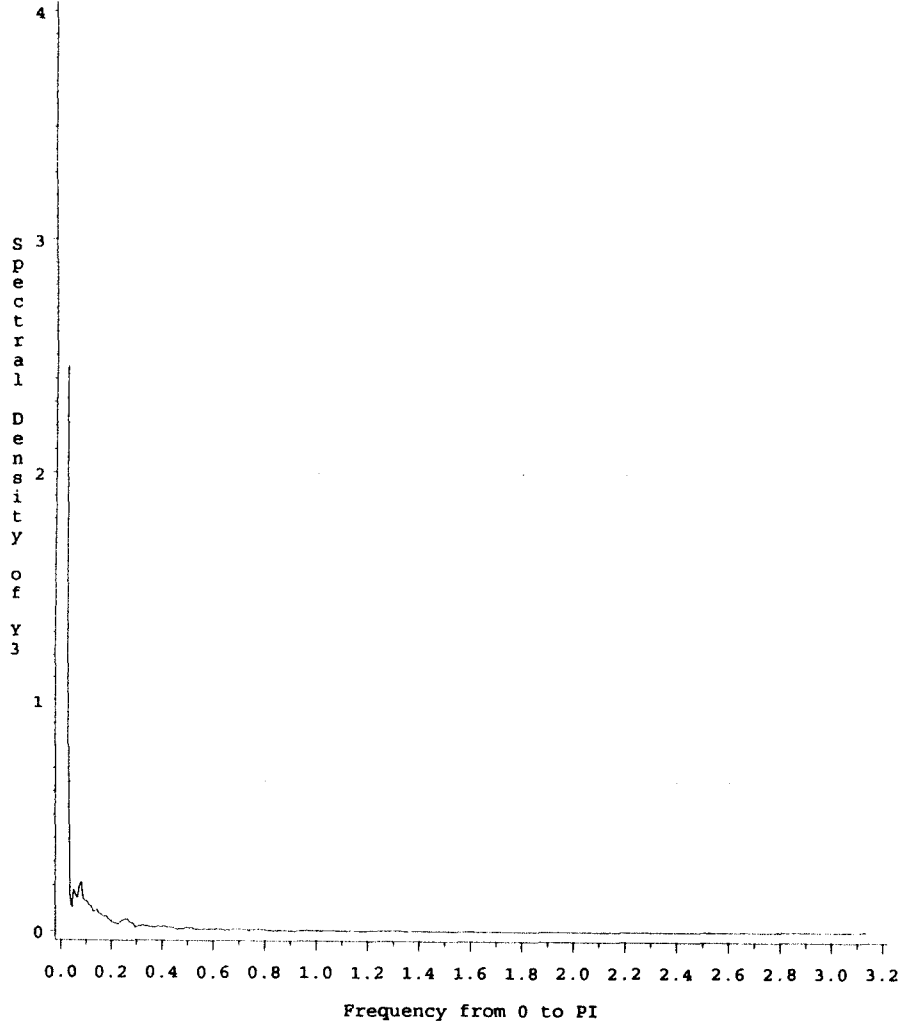
Spectral Window: 9 (Rec)  
Tin Prodn: Log y (1156-1992)



GR. 11

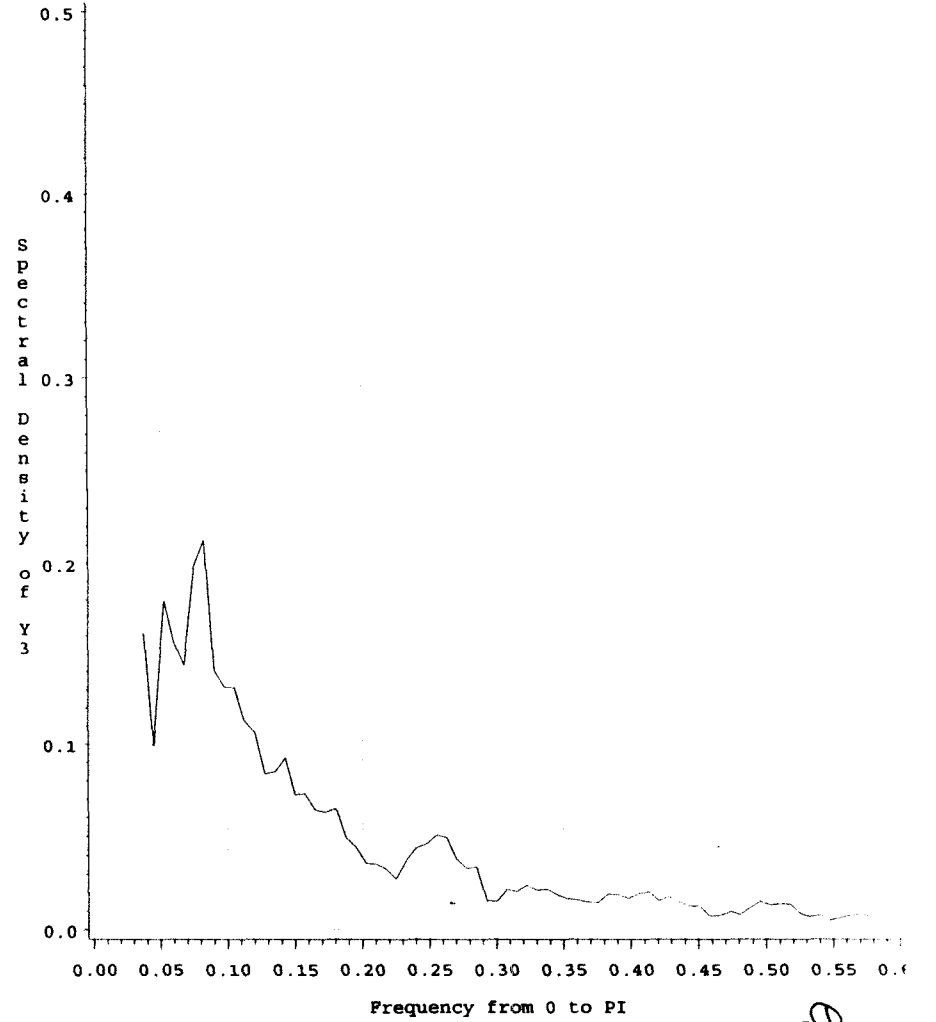
# Spectral Density Estimates

Spectral Window: 5 (Rec)  
Tin Prodn: Log y (1156-1992)



# Spectral Density Estimates

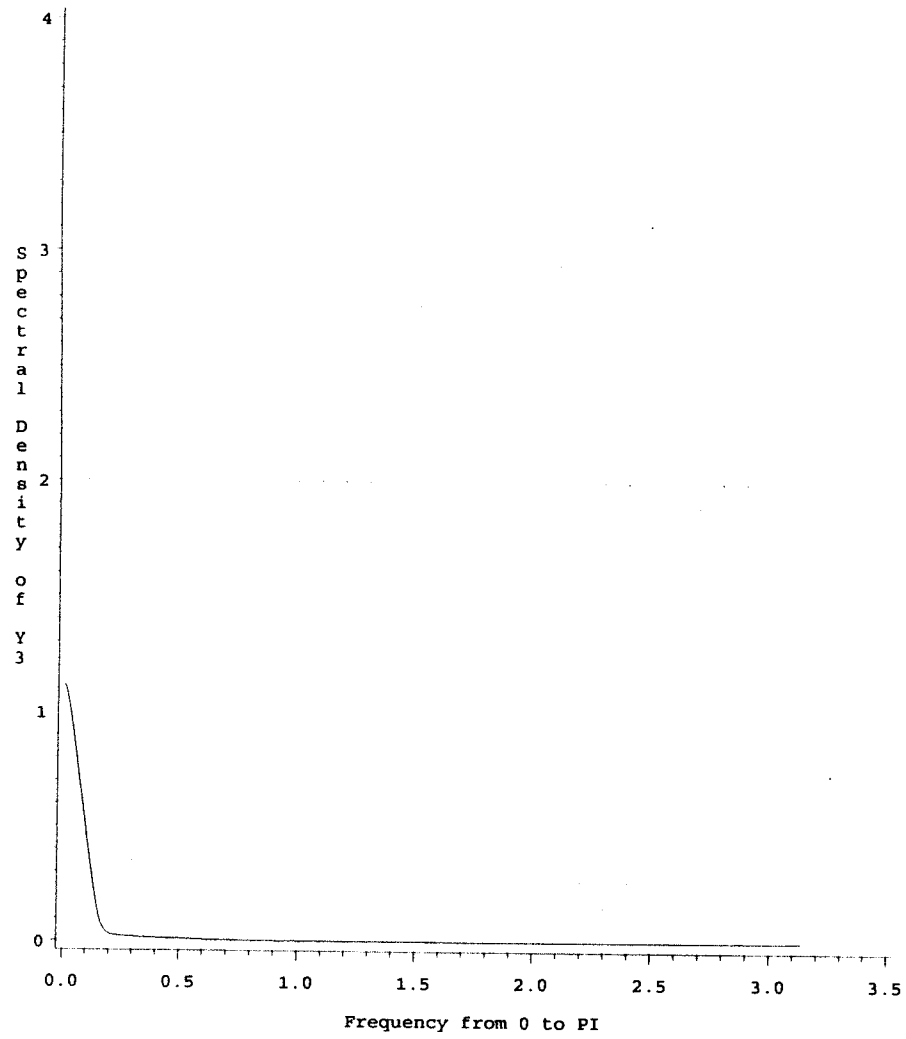
Spectral Window: 5 (Rec)  
Tin Prodn: Log y (1156-1992)



ER.12

# Spectral Density Estimates:(Tin Prodn 1156-1992)

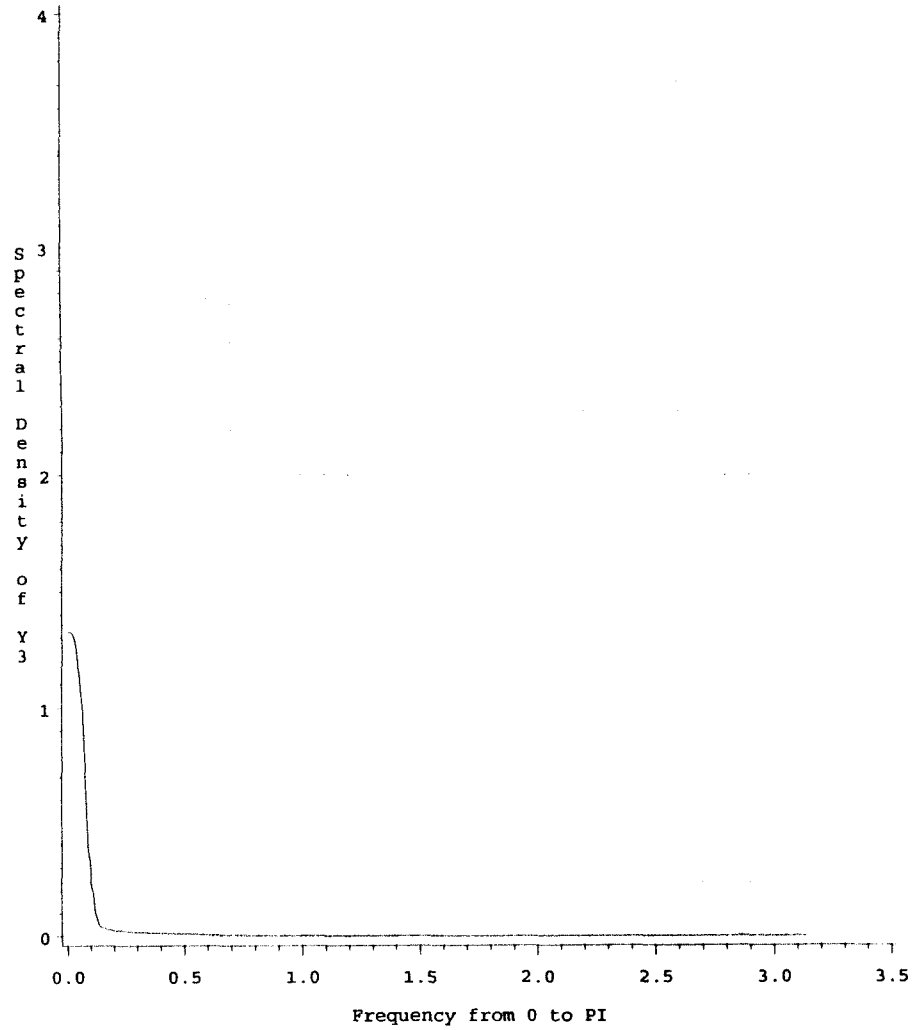
Spectral Window: 41 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



ER.13

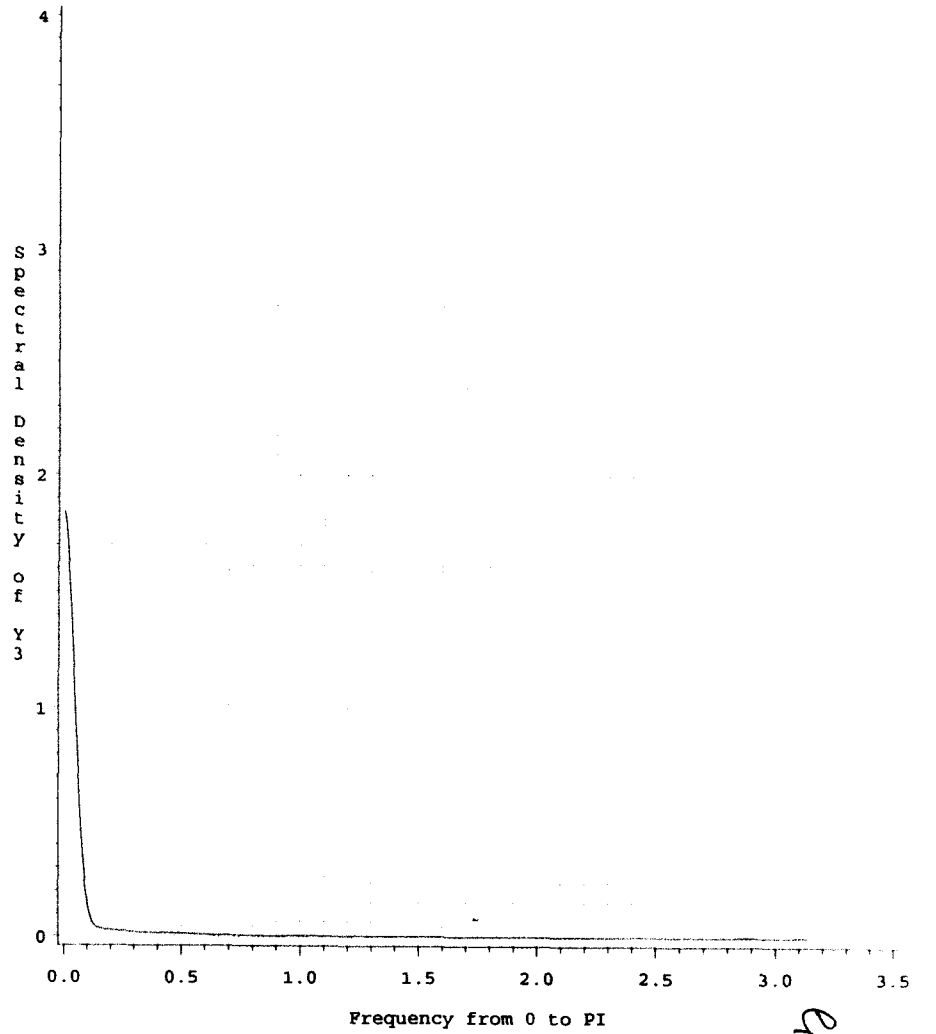
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 20 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

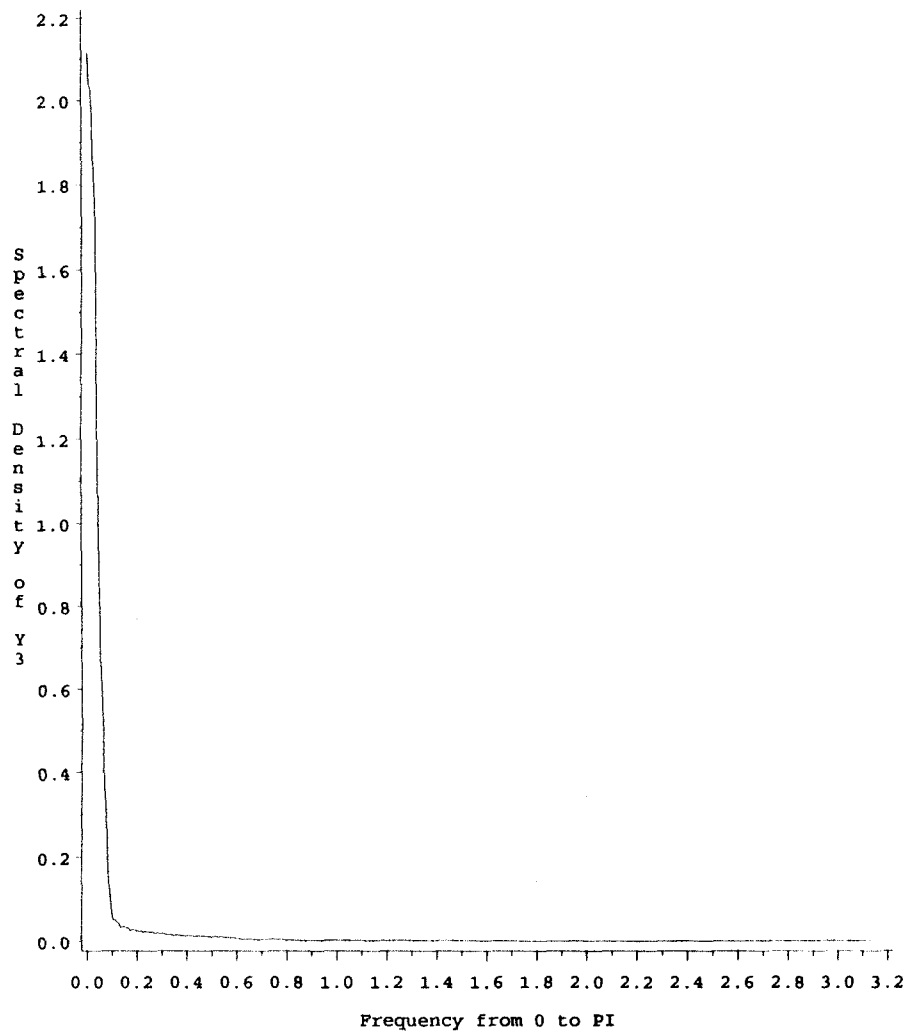
Spectral Window: 21 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



ER.14

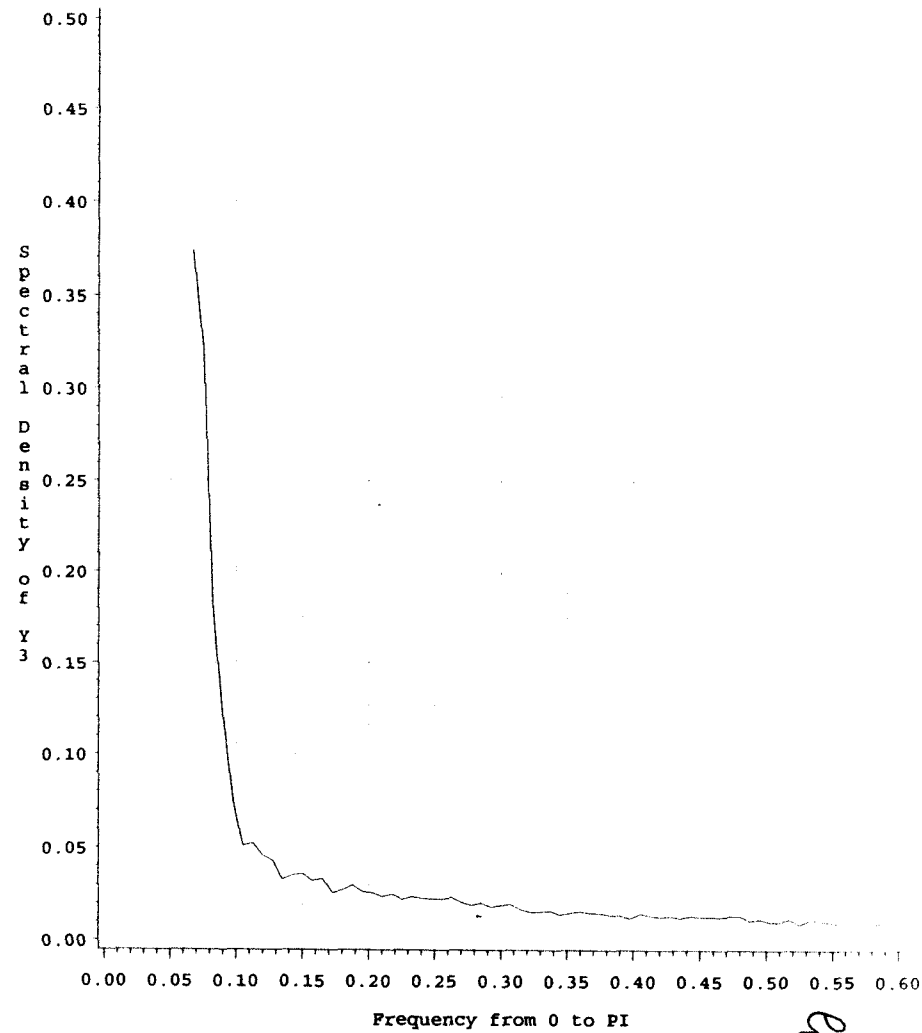
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

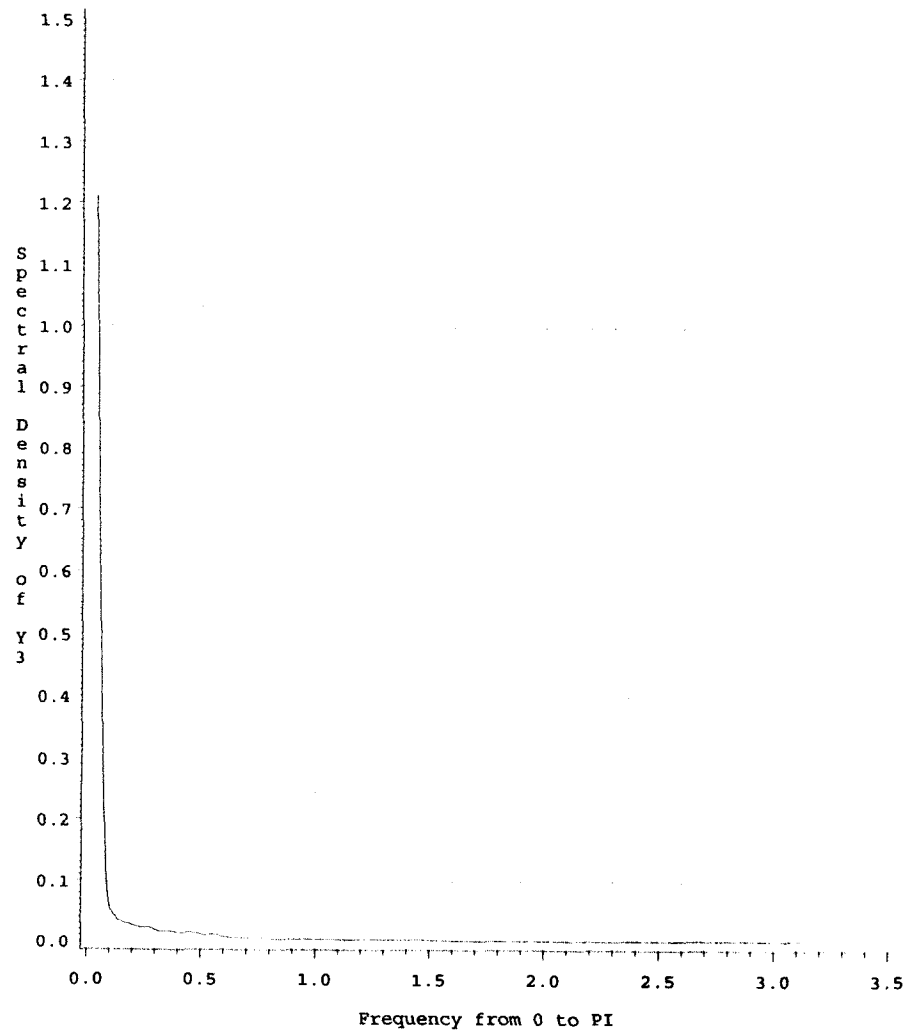
Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



QR.15

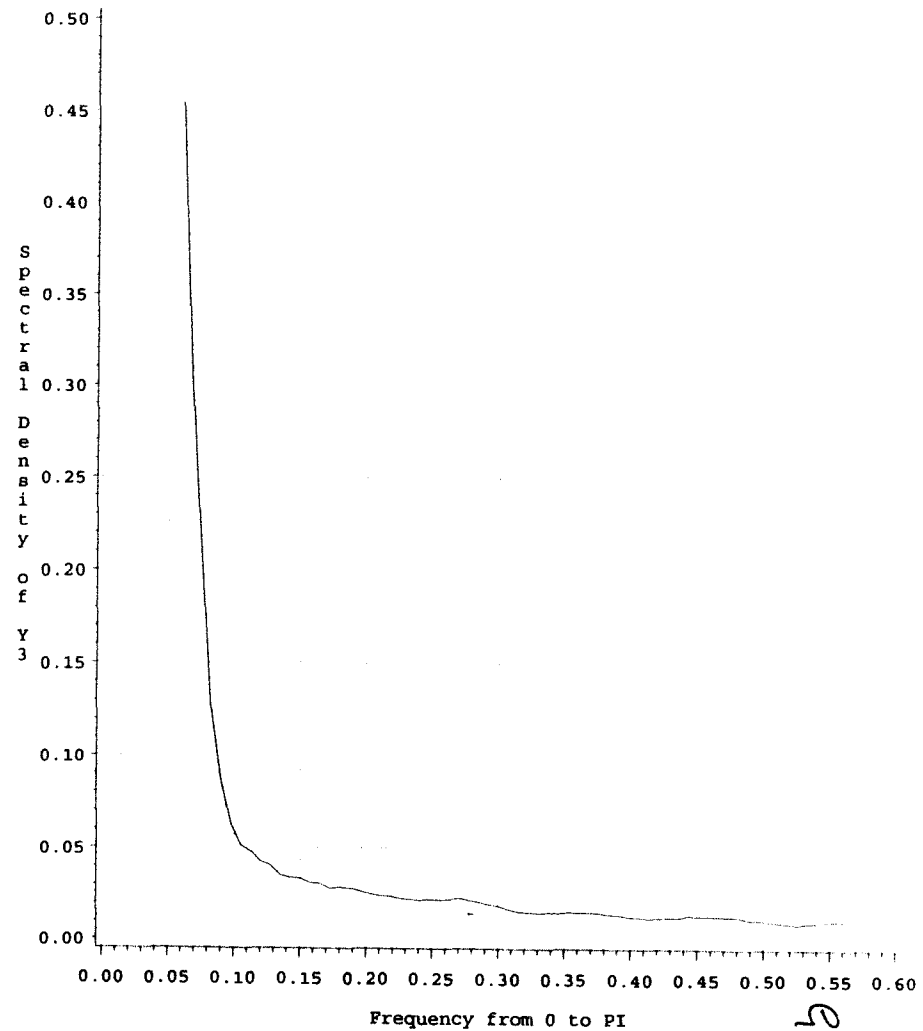
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

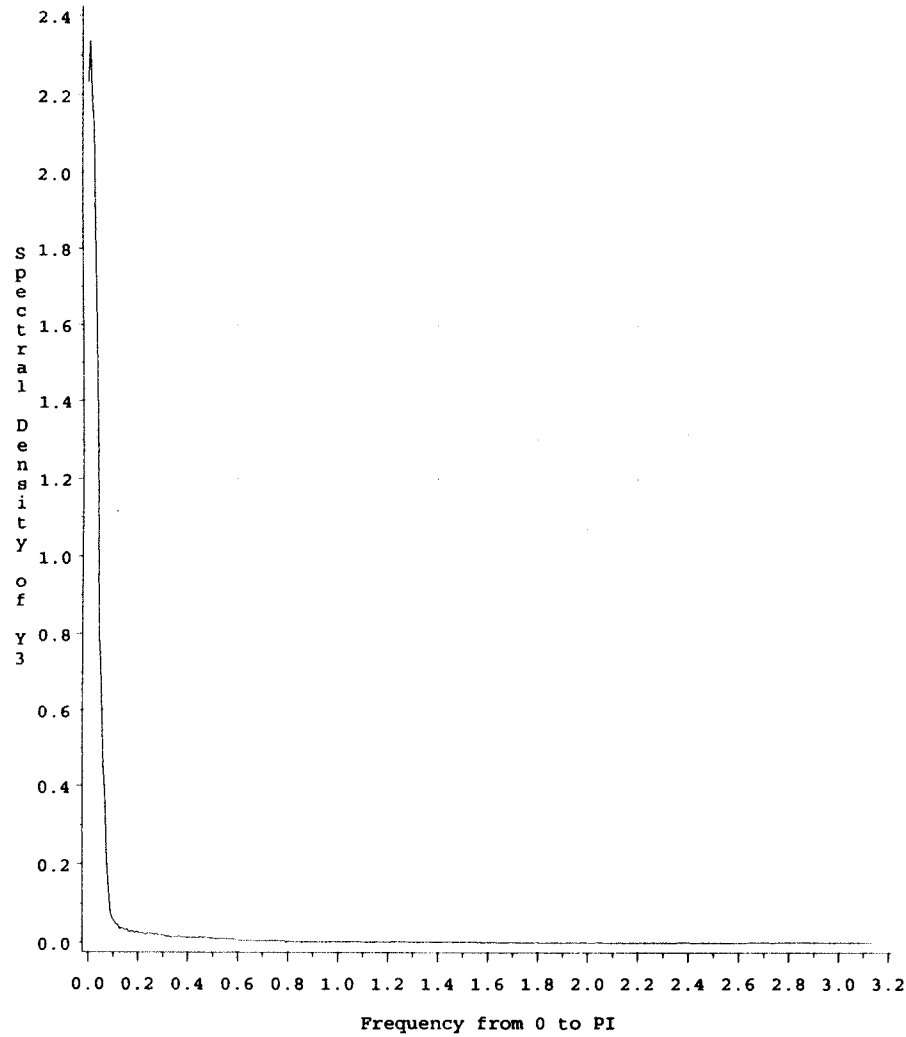
Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



QR.16

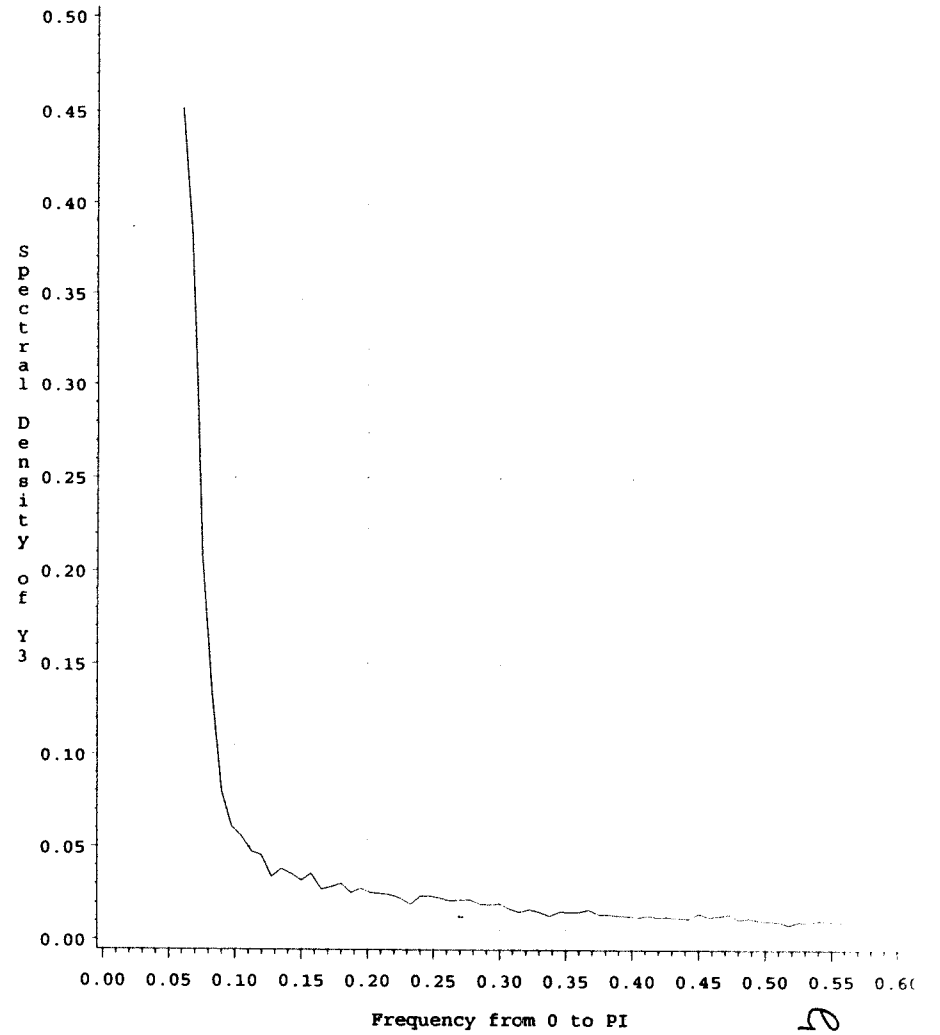
Spectral Density Estimates:(Tin Prodn 1156 -1992)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156 -1992)

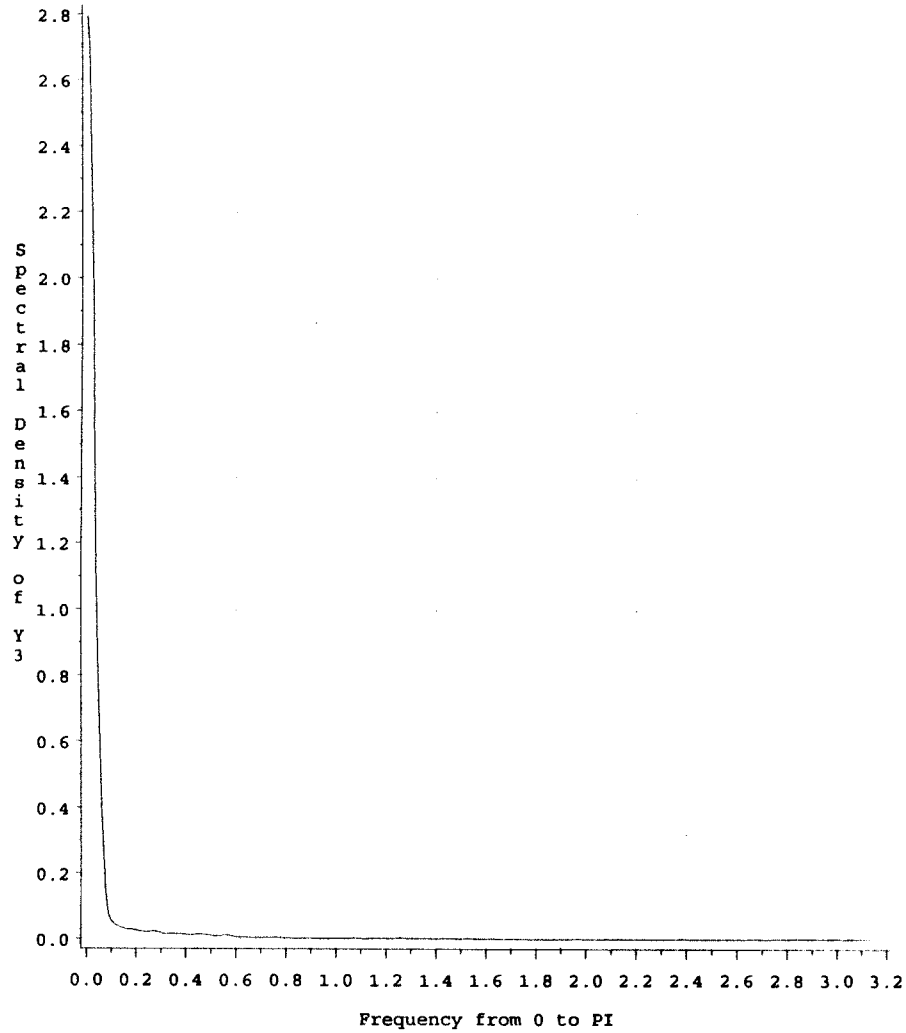
Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



QR17

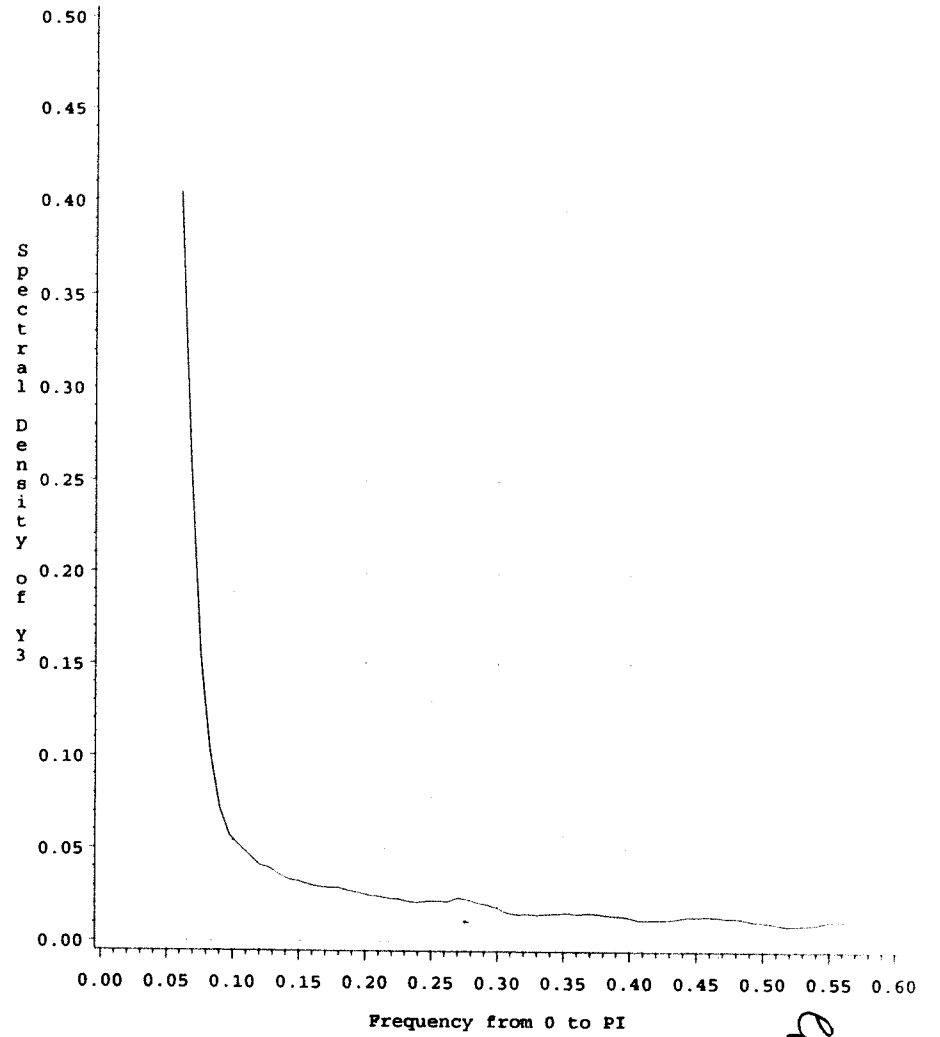
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual

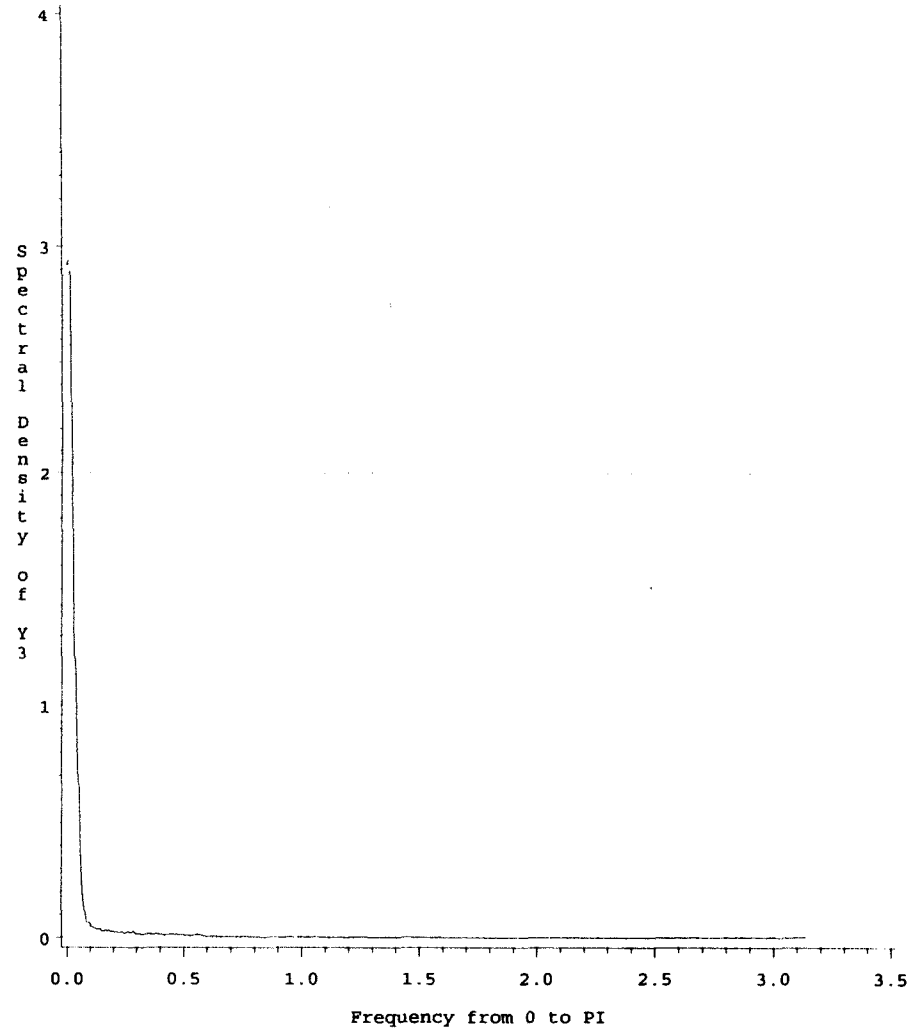


ER.18



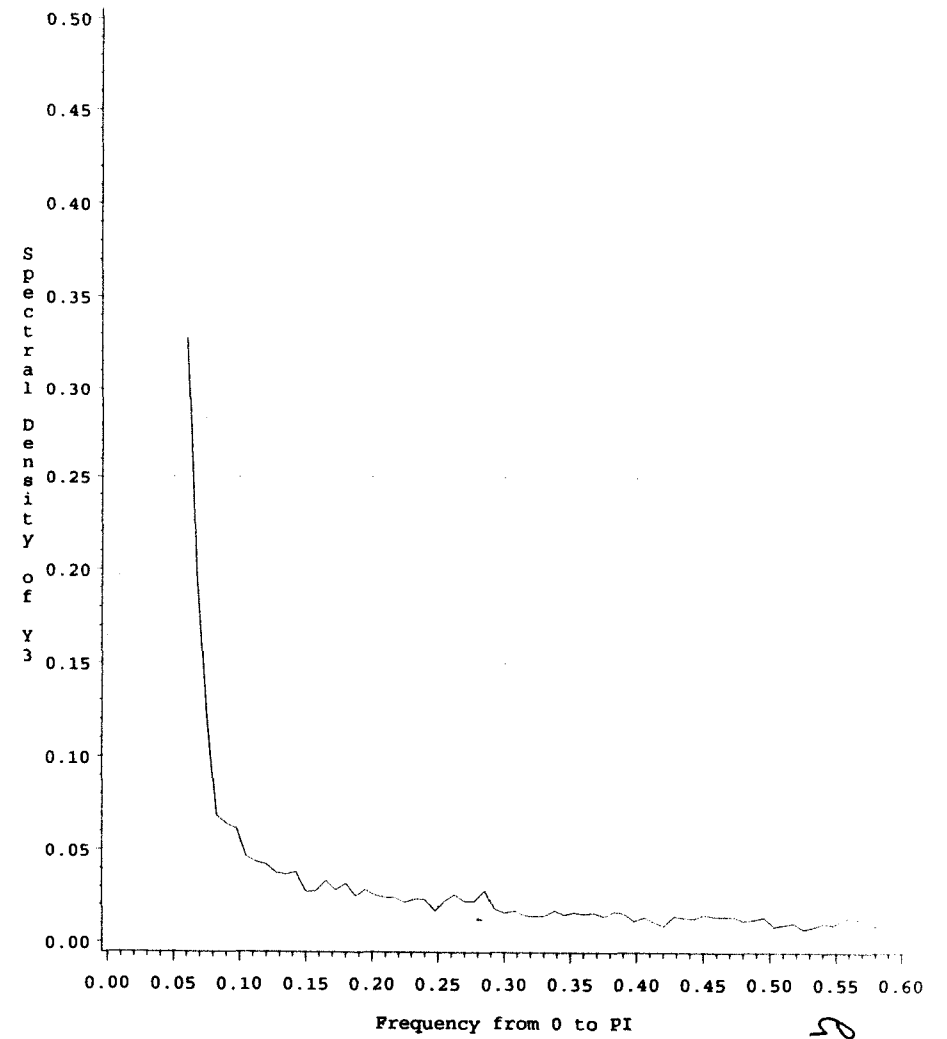
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

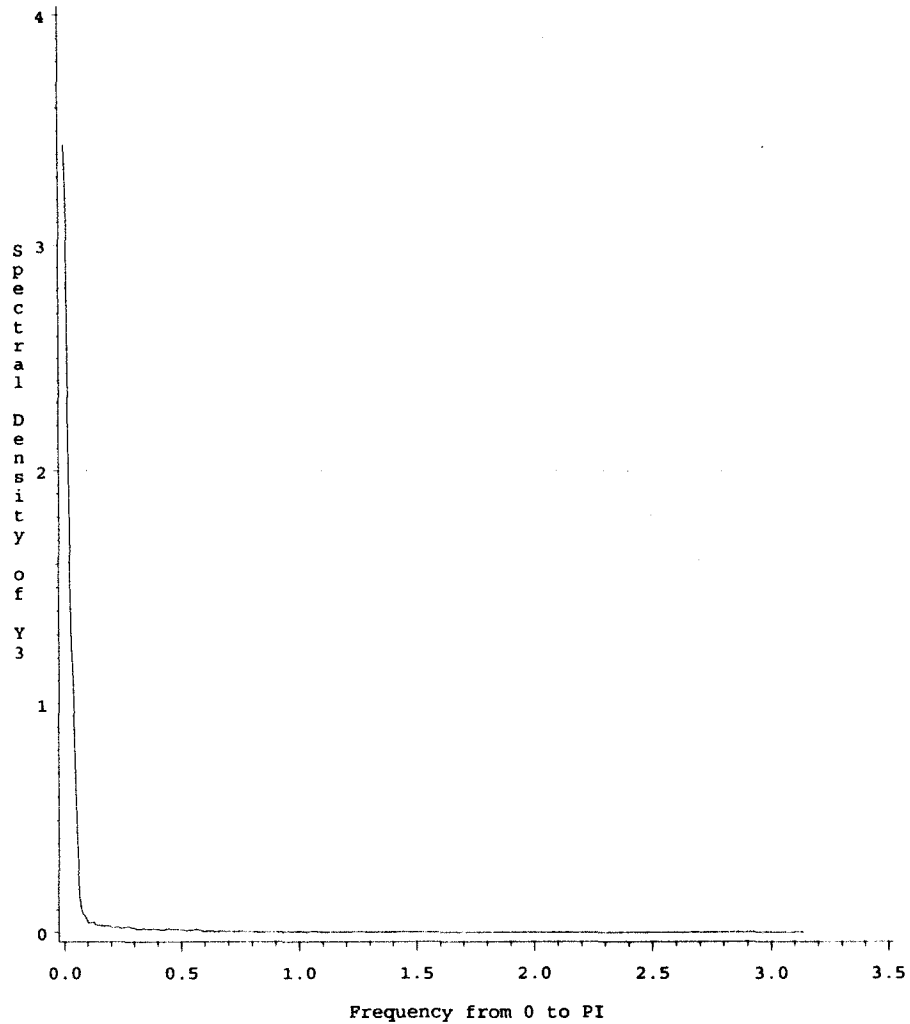
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



RR.19

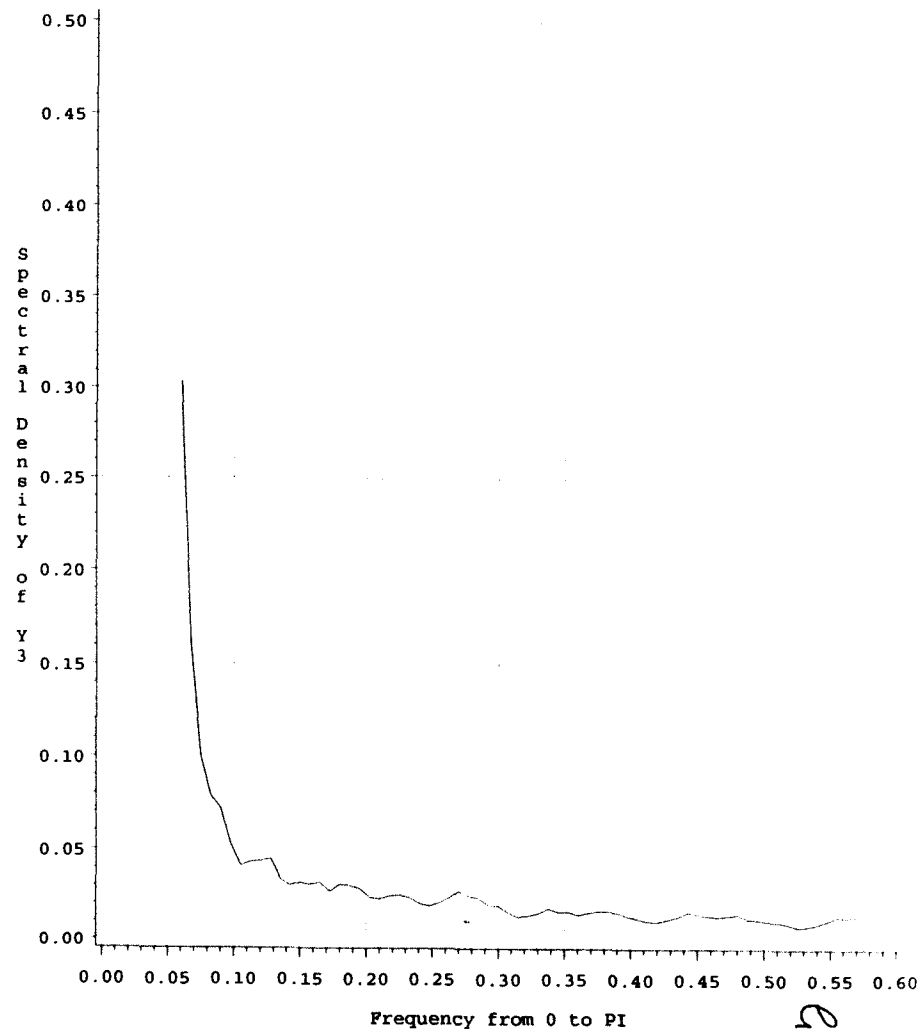
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

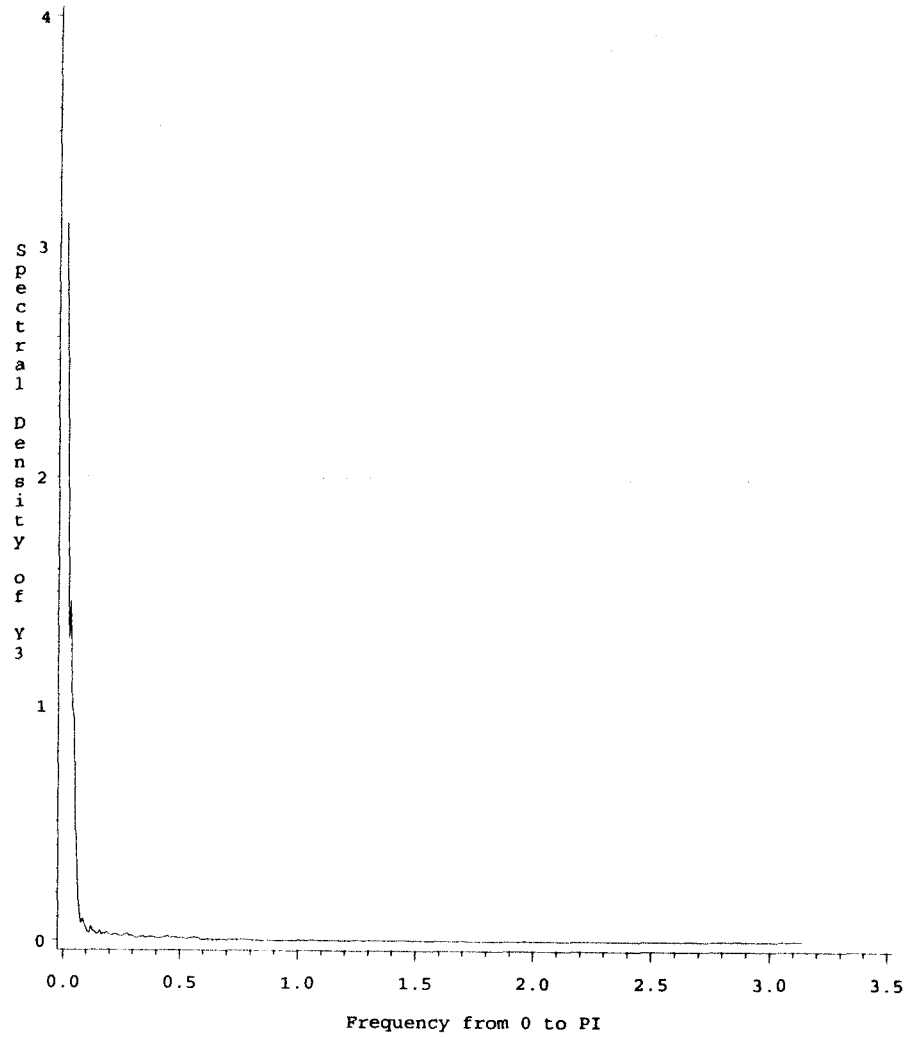
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



ER.20

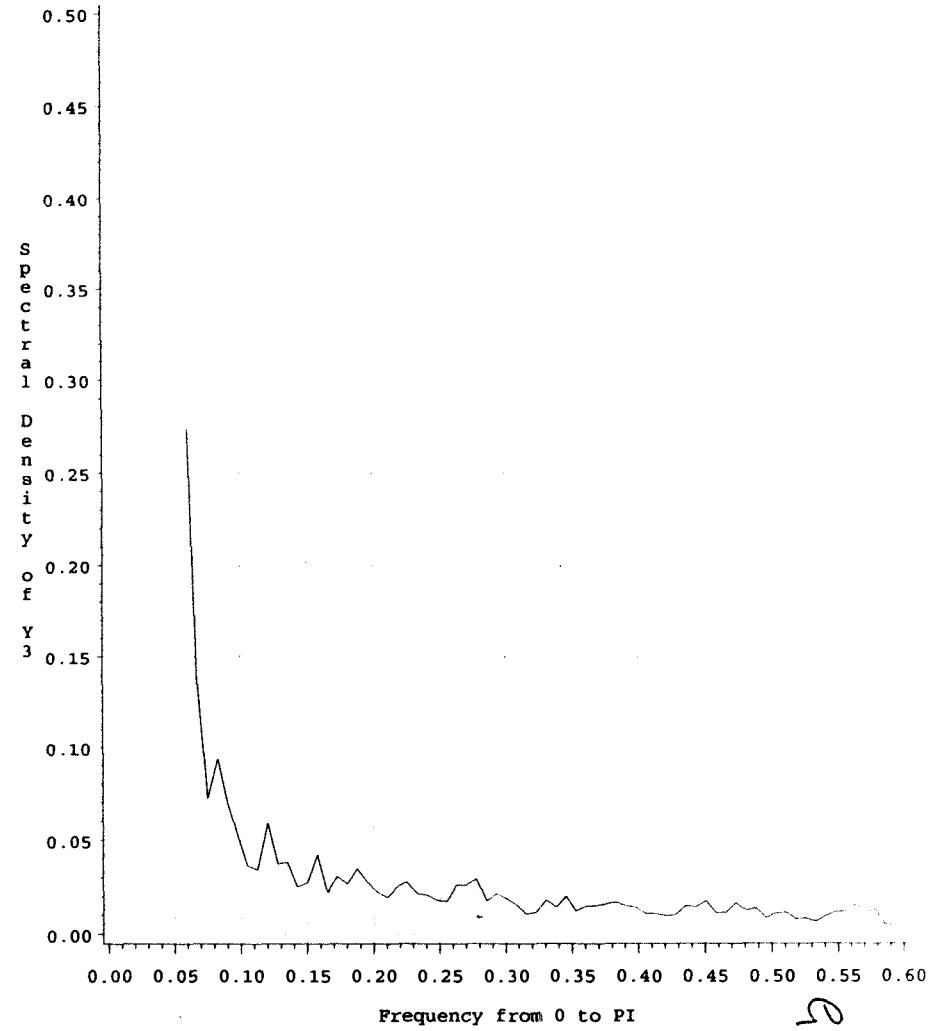
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

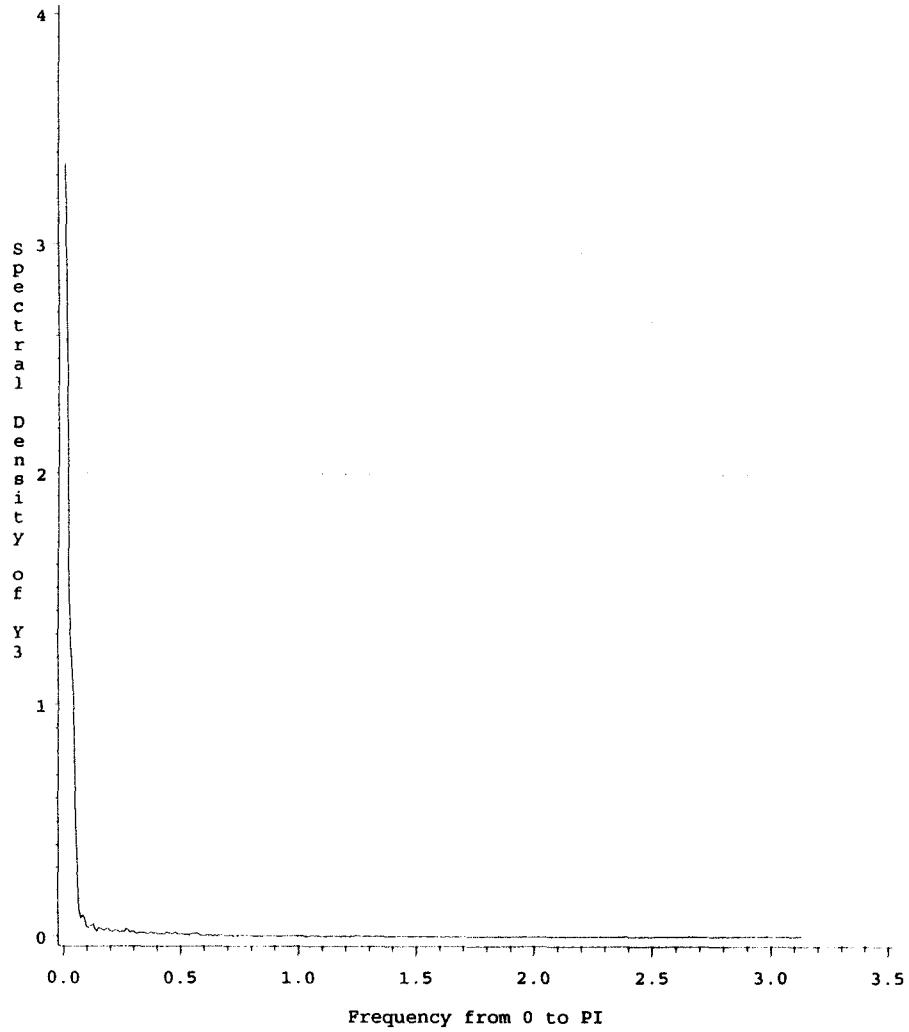
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



GR.21

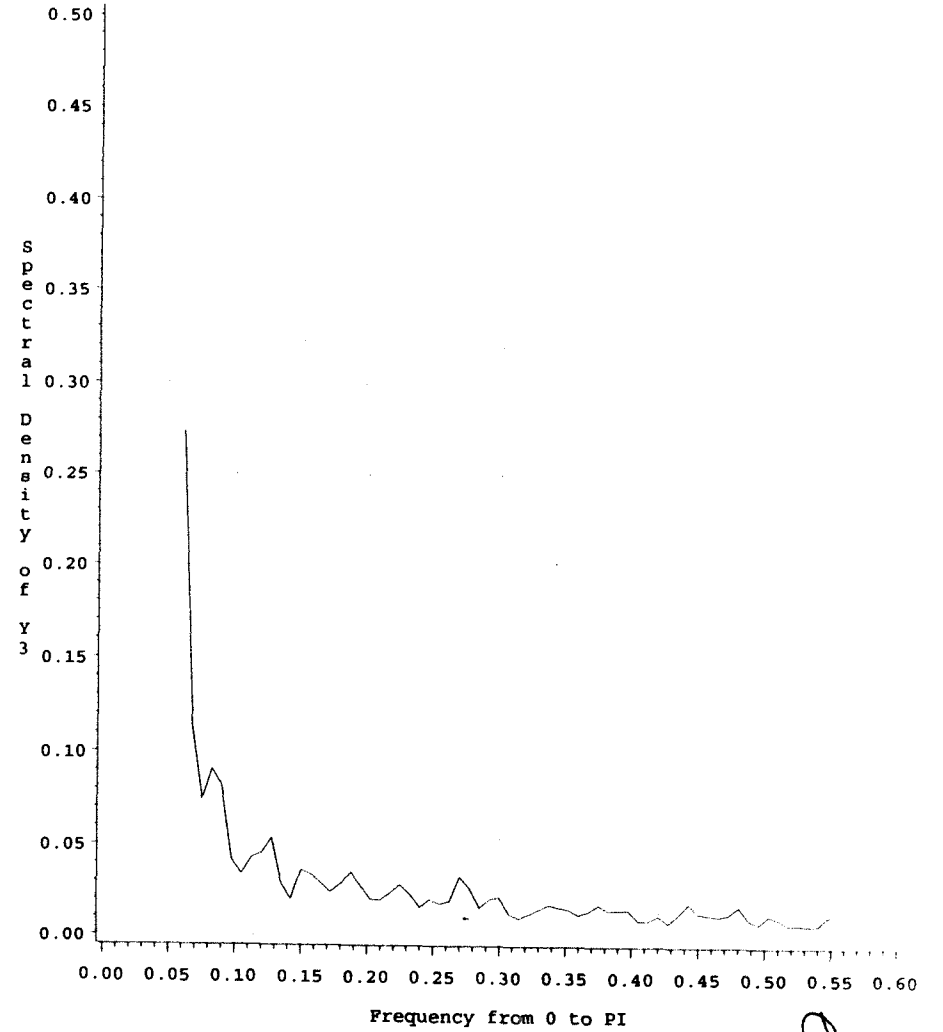
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

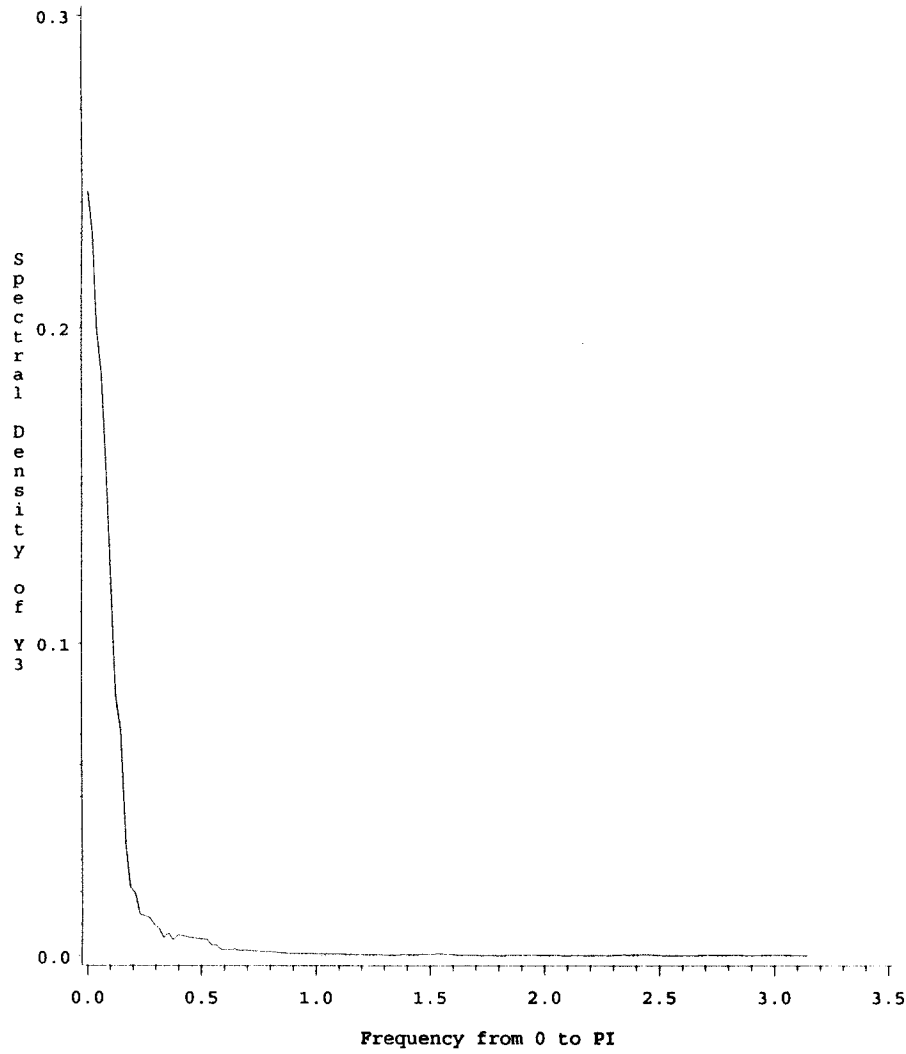
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



PR.22

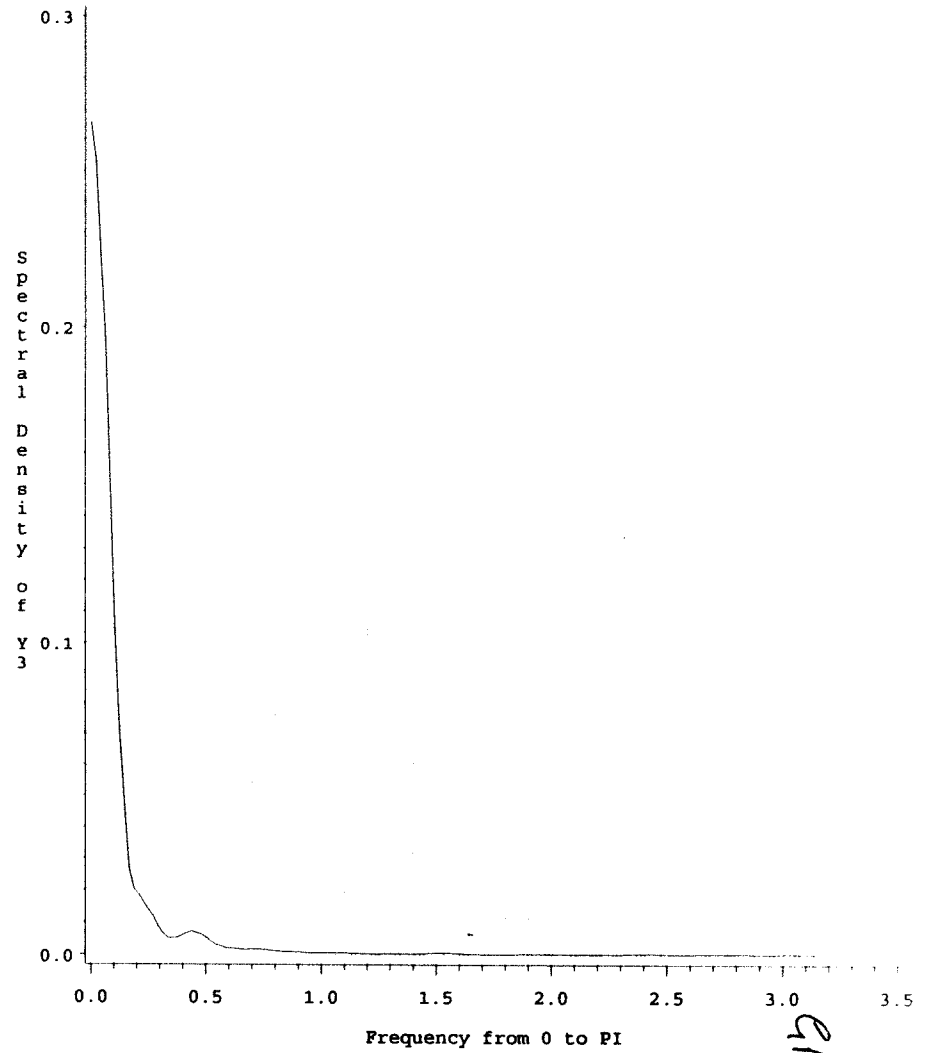
Spectral Density Estimates (SUBSET: Tin 1156 - 1455)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates (SUBSET: Tin 1156 - 1455)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual

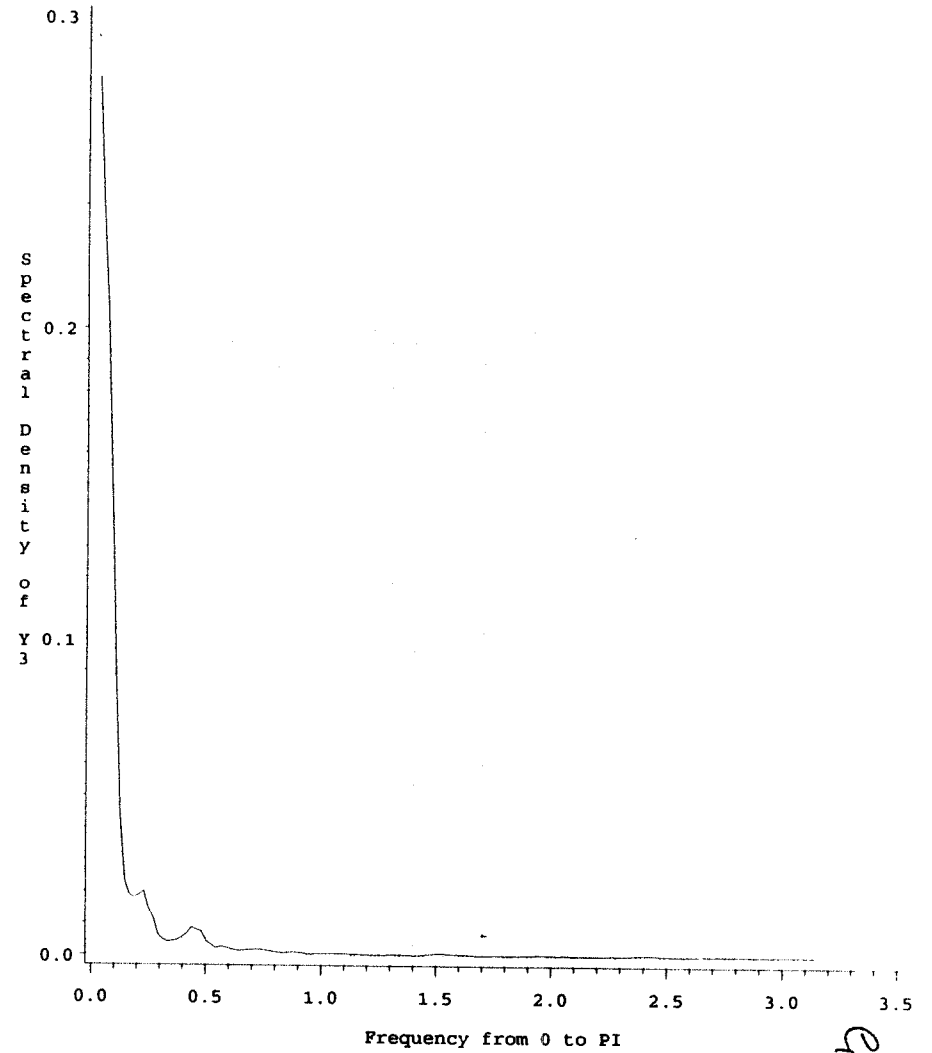
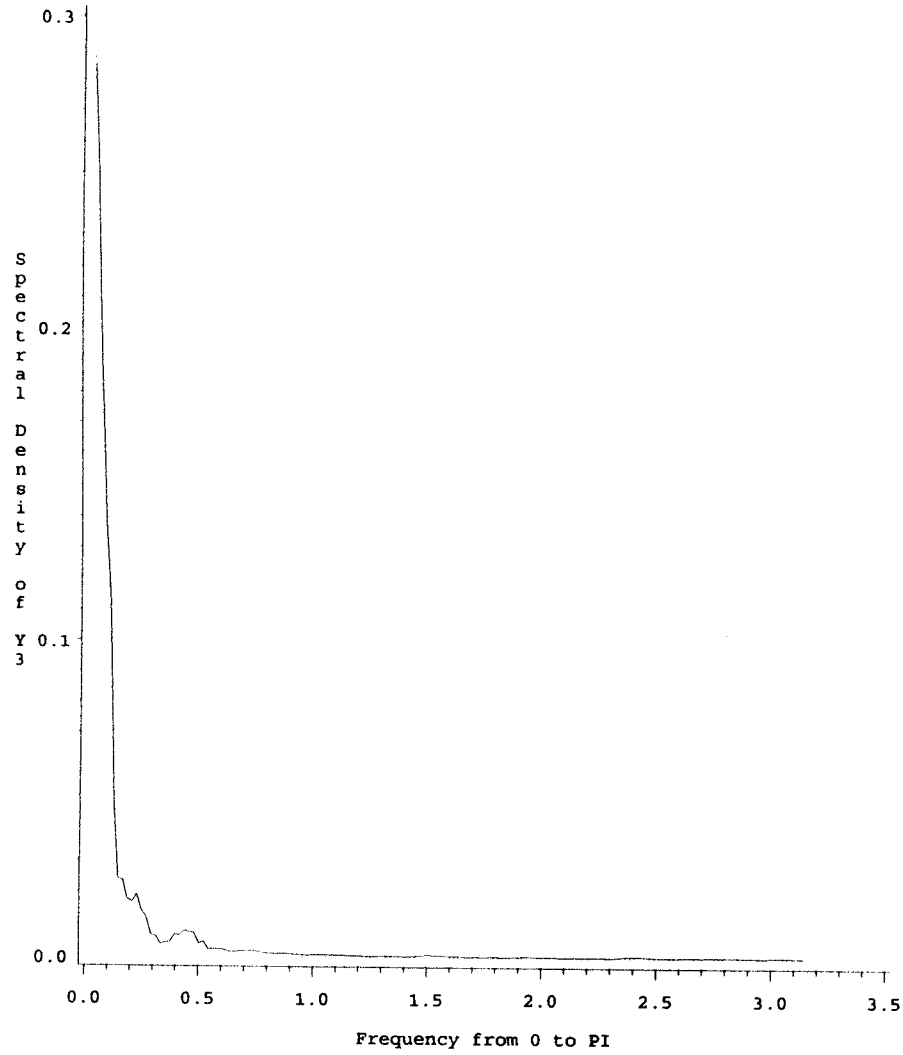


GR.23

Spectral Density Estimates (SUBSET: Tin 1156-1455) Spectral Density Estimates (SUBSET: Tin 1156-1455)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual

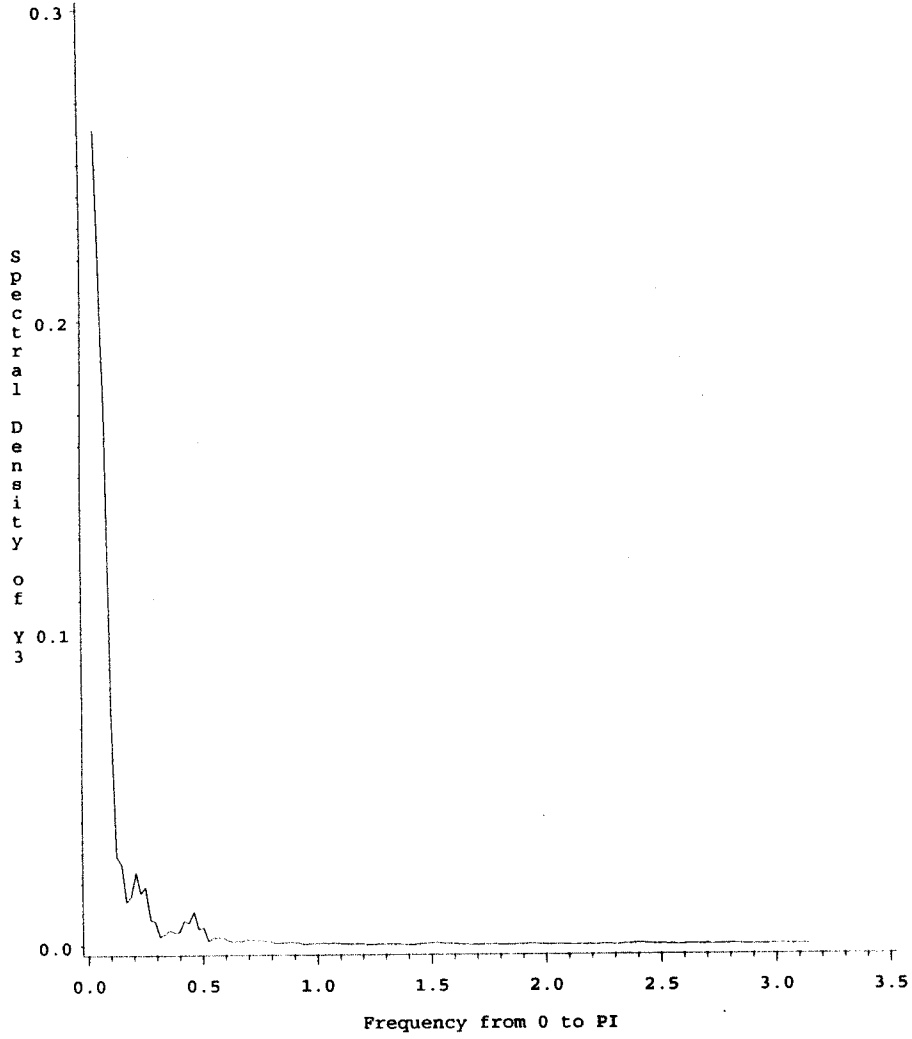
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



GR.24

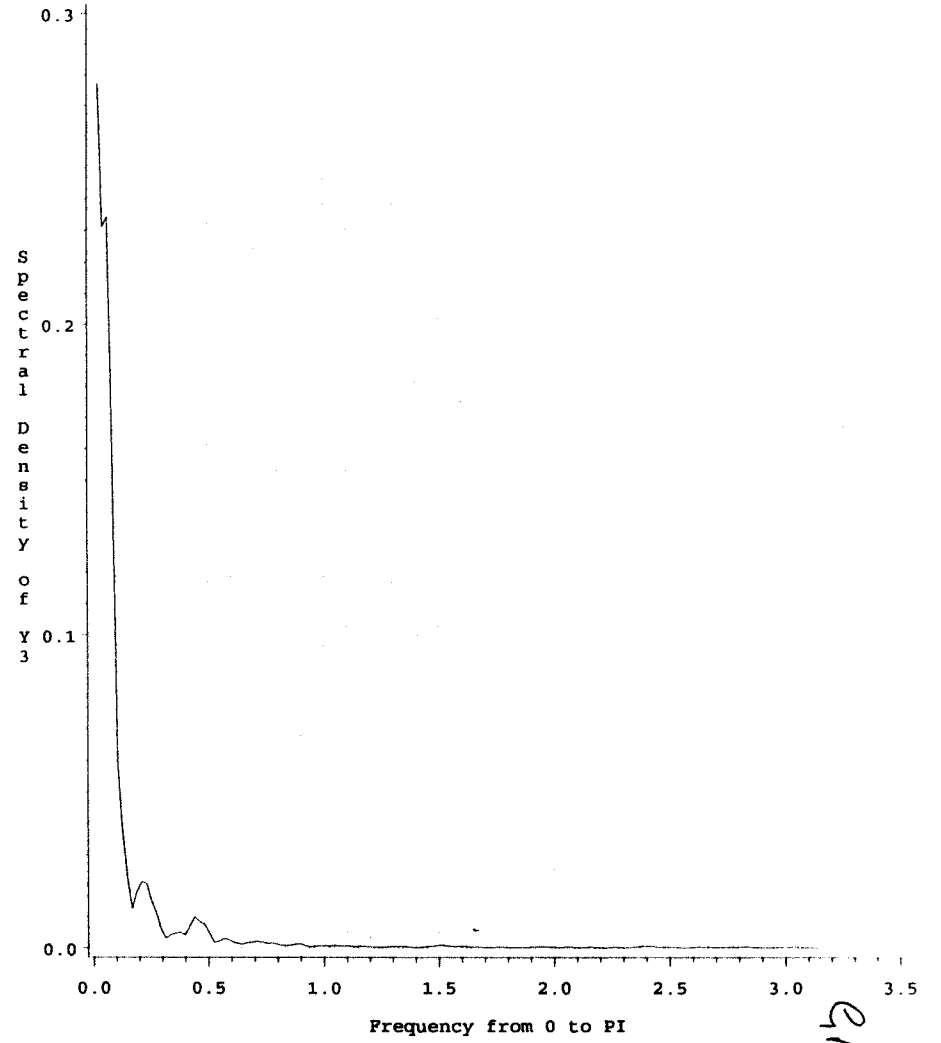
Spectral Density Estimates (SUBSET Fin 1156-1455)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates (SUBSET Fin 1156-1455)

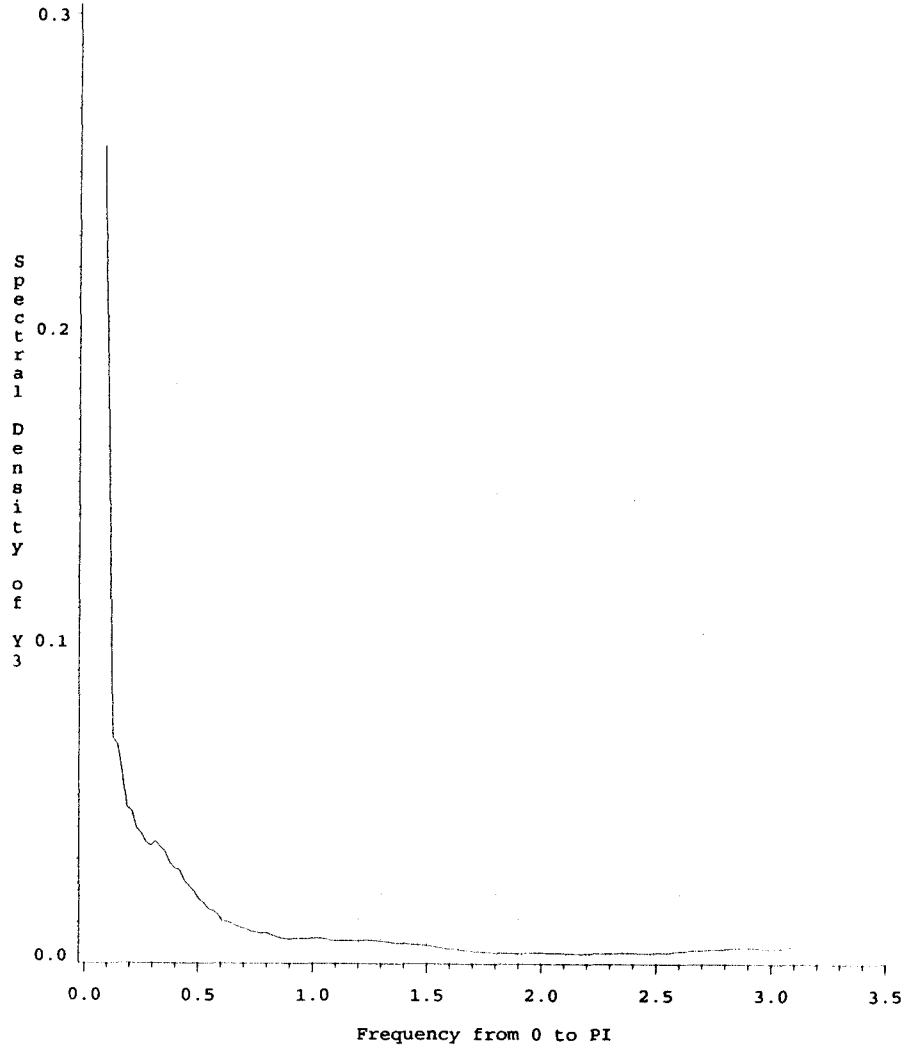
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



QR.25

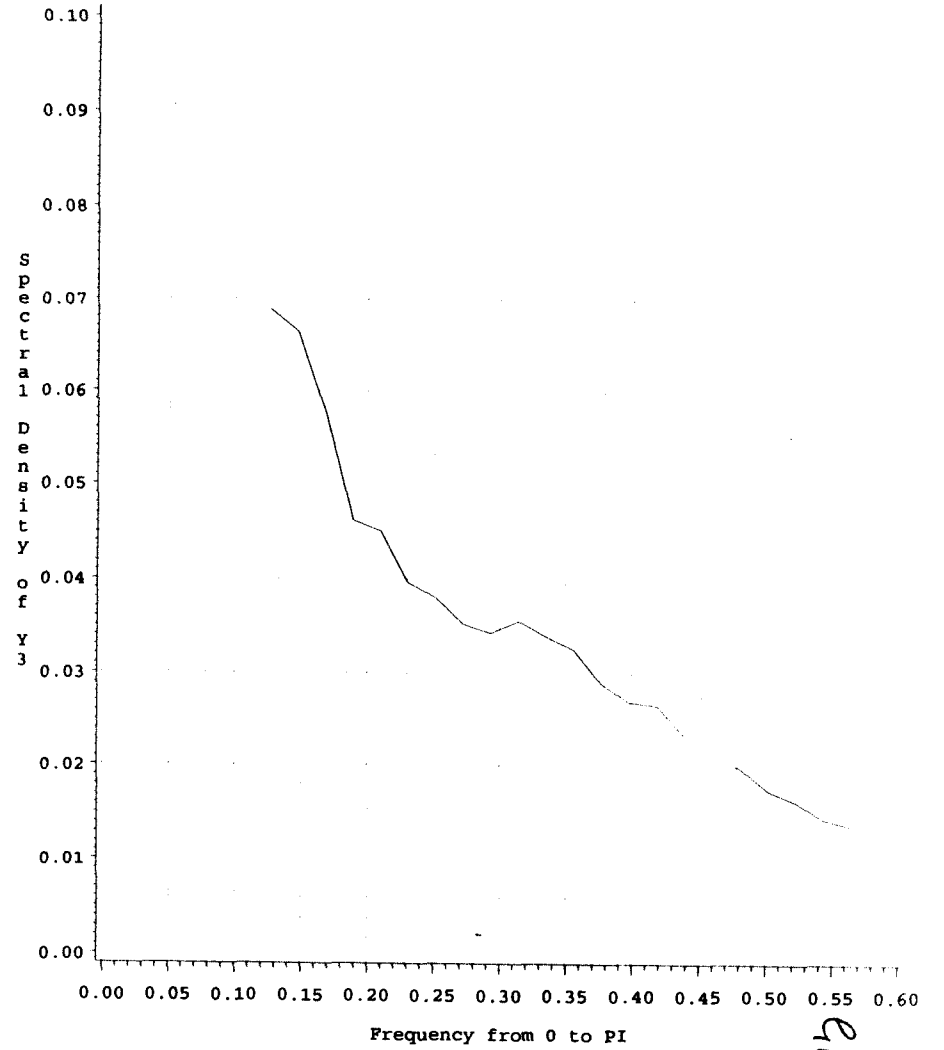
Spectral Density Estimates(SUBSET2: Tin 1456--1755)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUB2- : Tin 1456--1755)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual

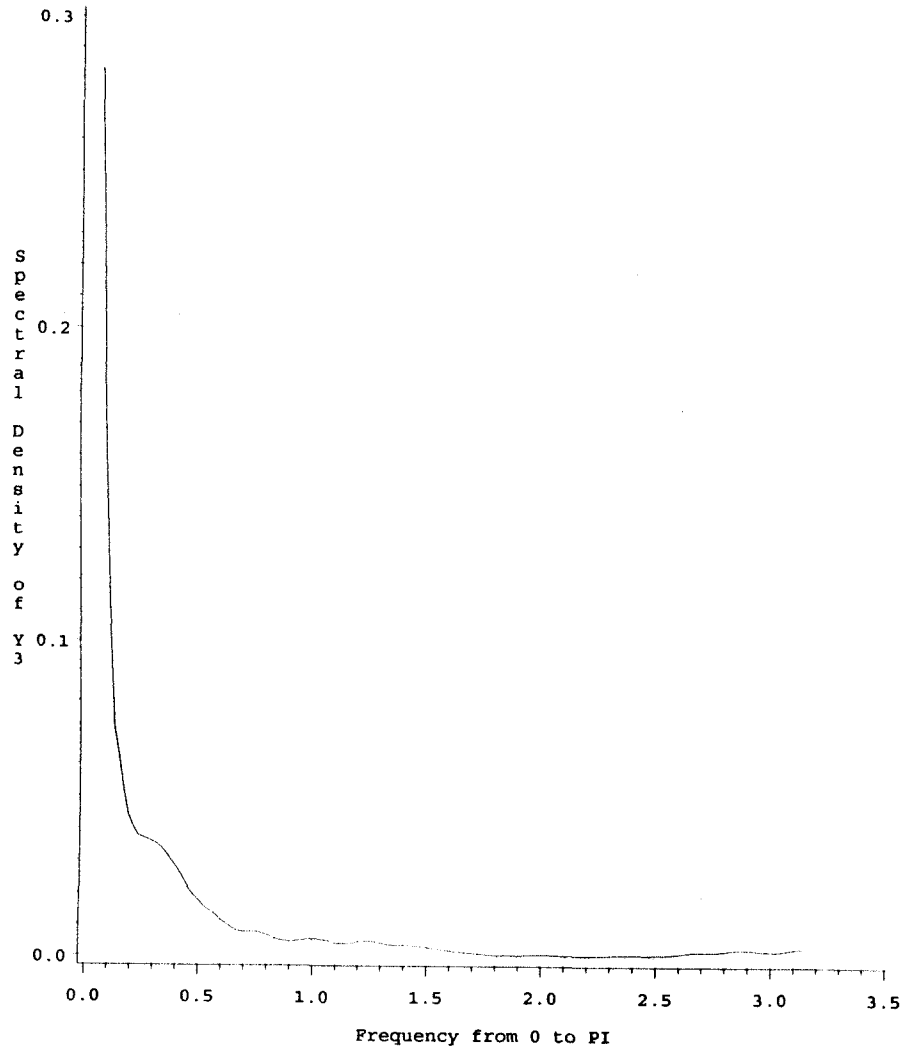


ER.26



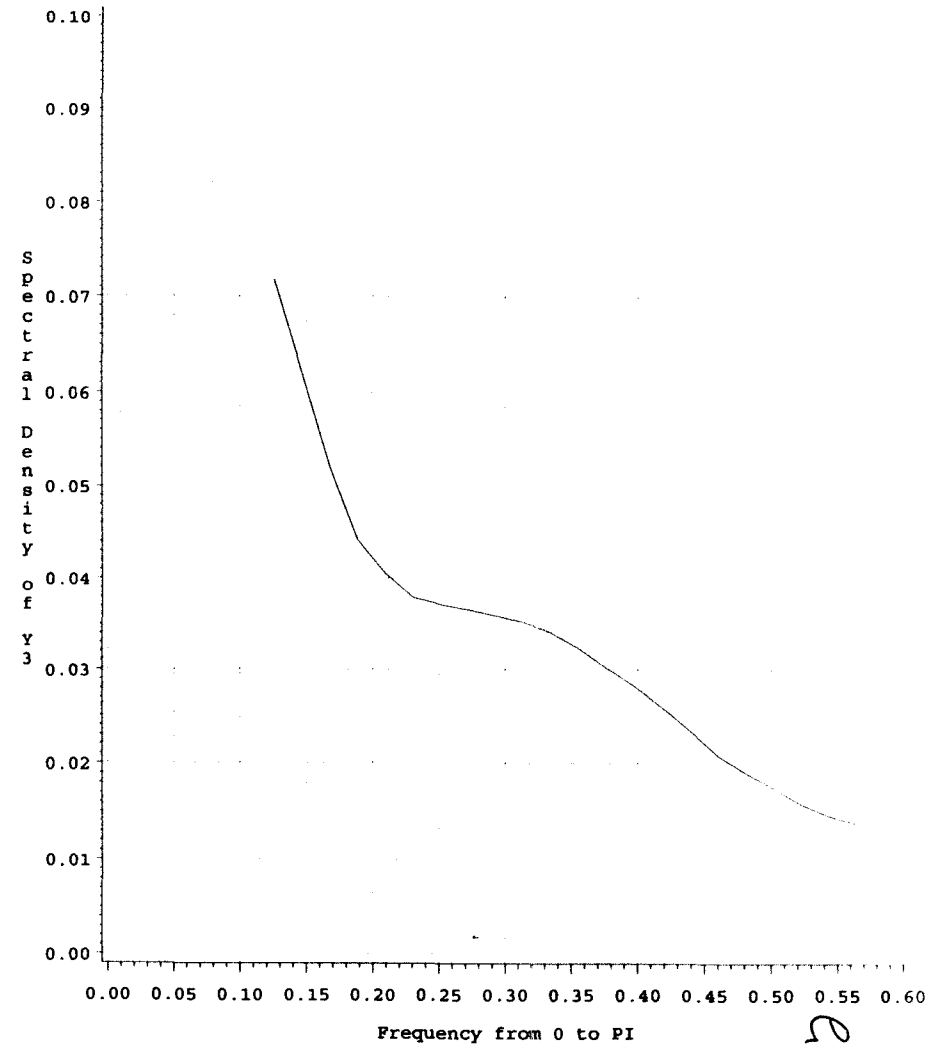
Spectral Density Estimates(SUBSET2:Tin 1456 - 1755)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUB2- :Tin 1456-1755)

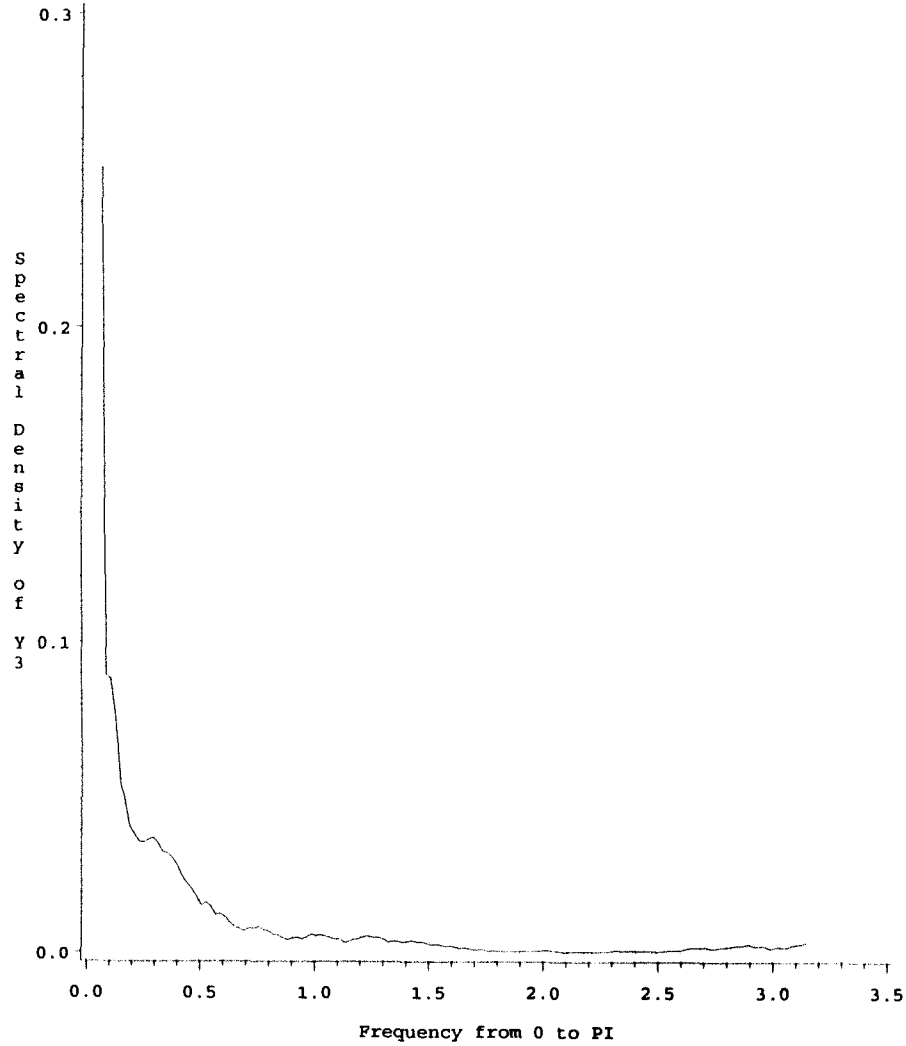
Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



ER.27

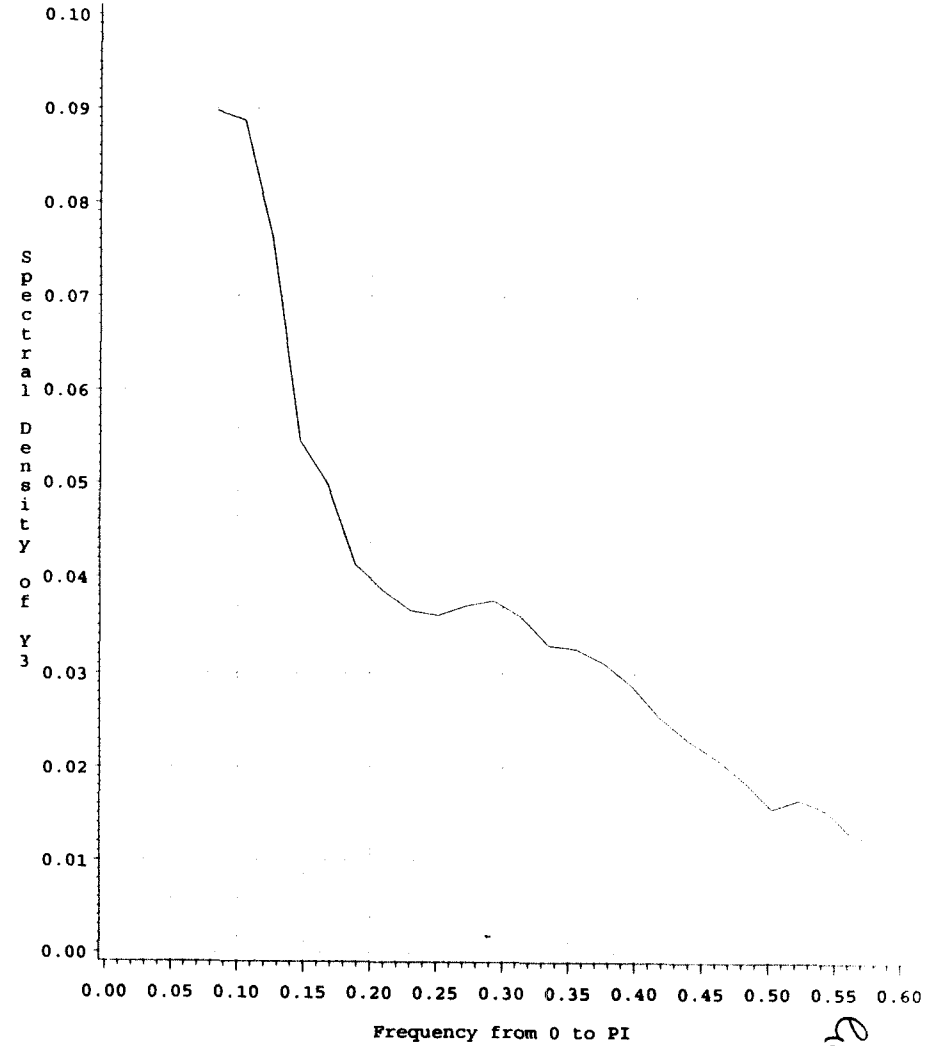
Spectral Density Estimates(SUBSET2: Tin 1456 1755)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUB2- : Tin 1456 1755)

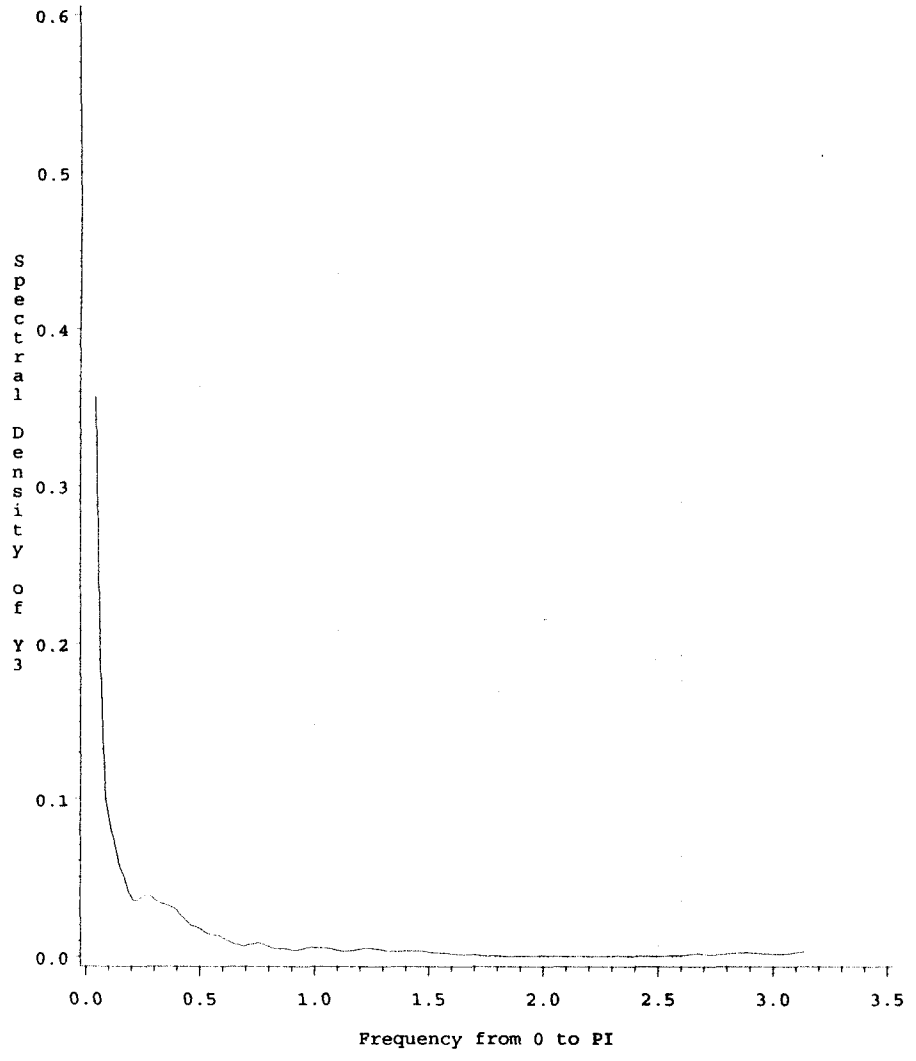
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



ER.28

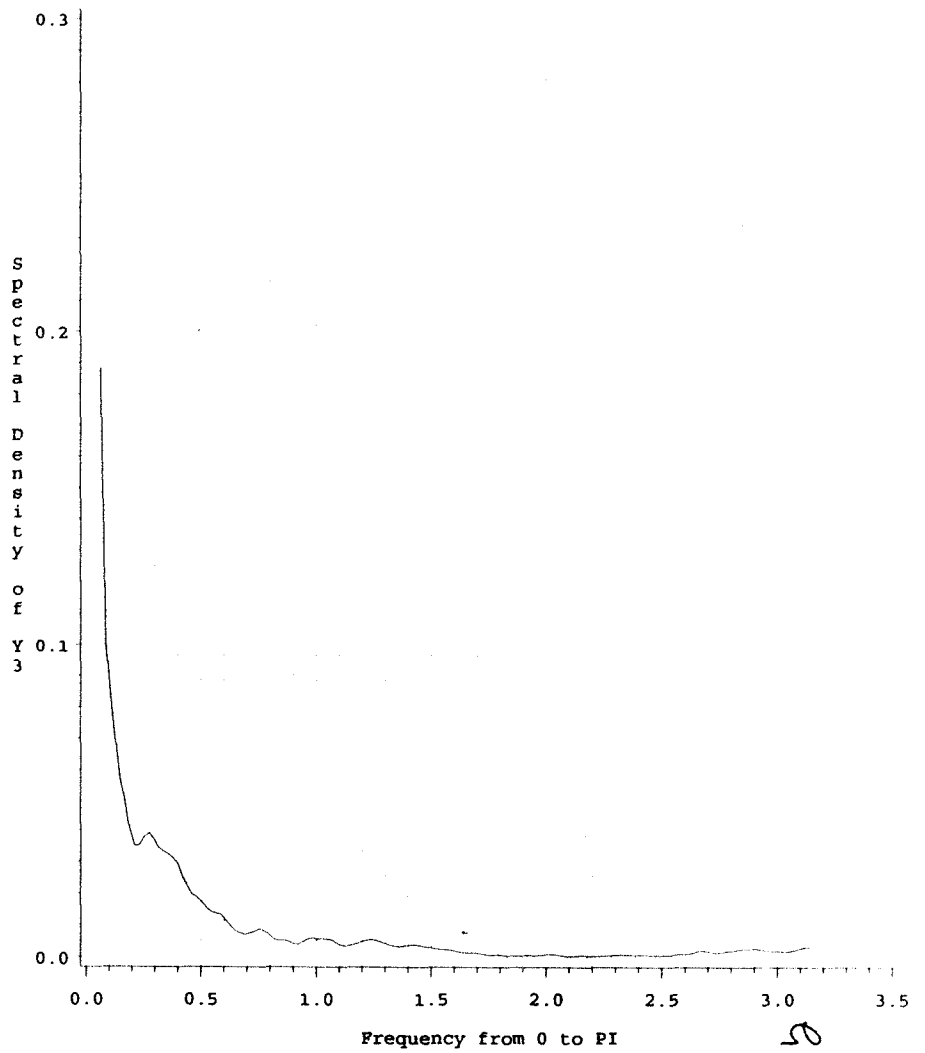
Spectral Density Estimates(SUB2- :Tin 1456-1755)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET2: Tin 1456-1755)

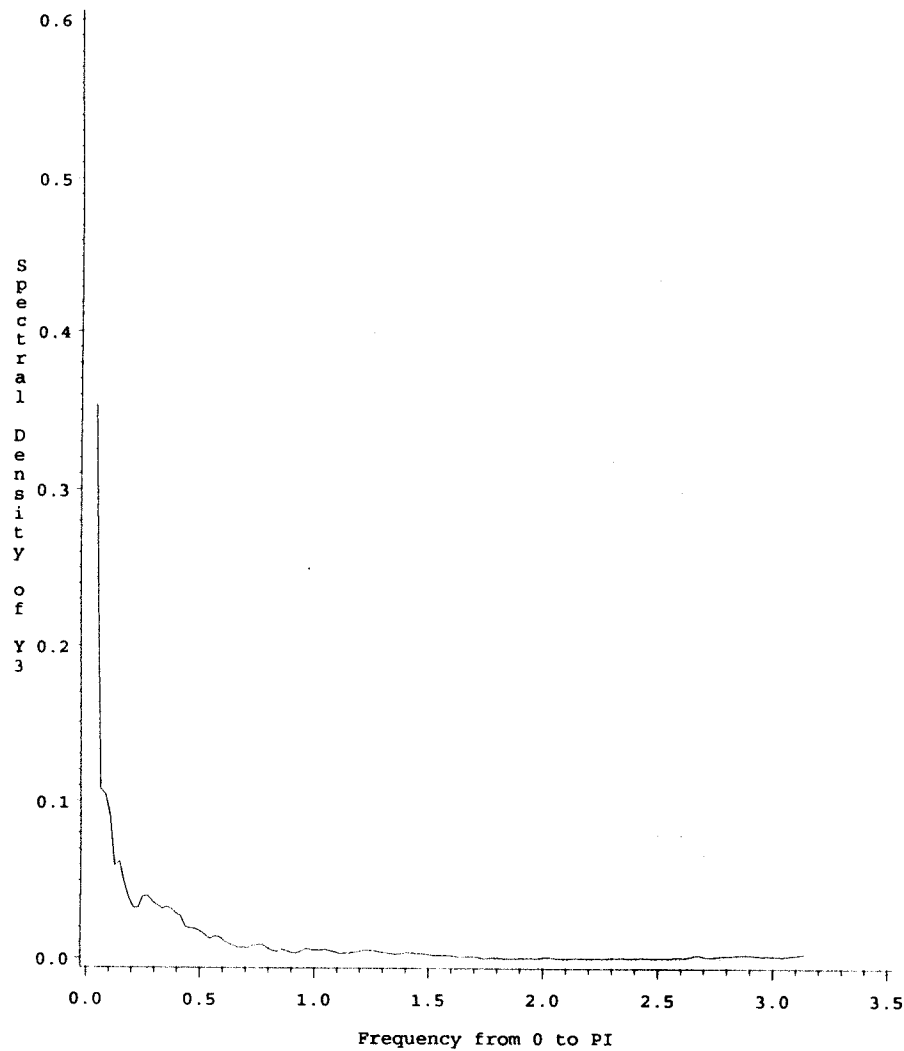
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



PR. 29

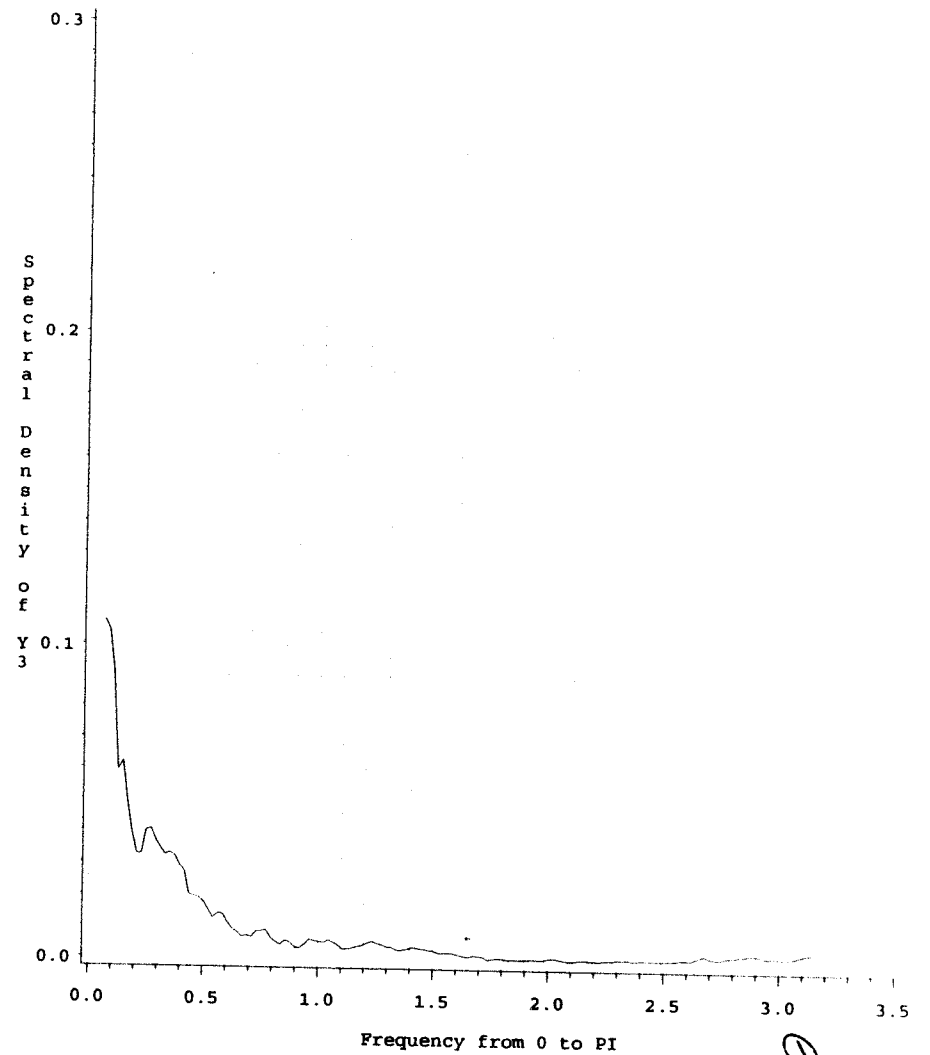
Spectral Density Estimates(SUB2- :Tin 1456-1755)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET2: Tin 1456 1755)

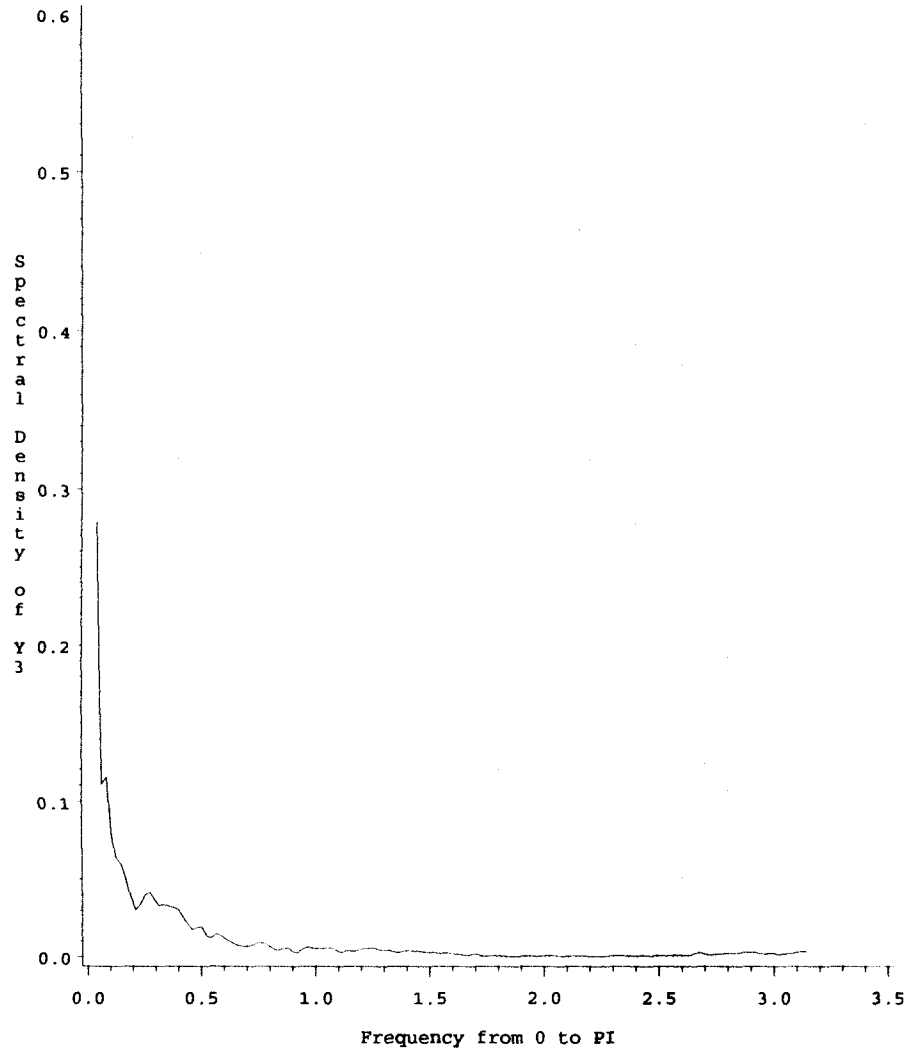
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



ER.30

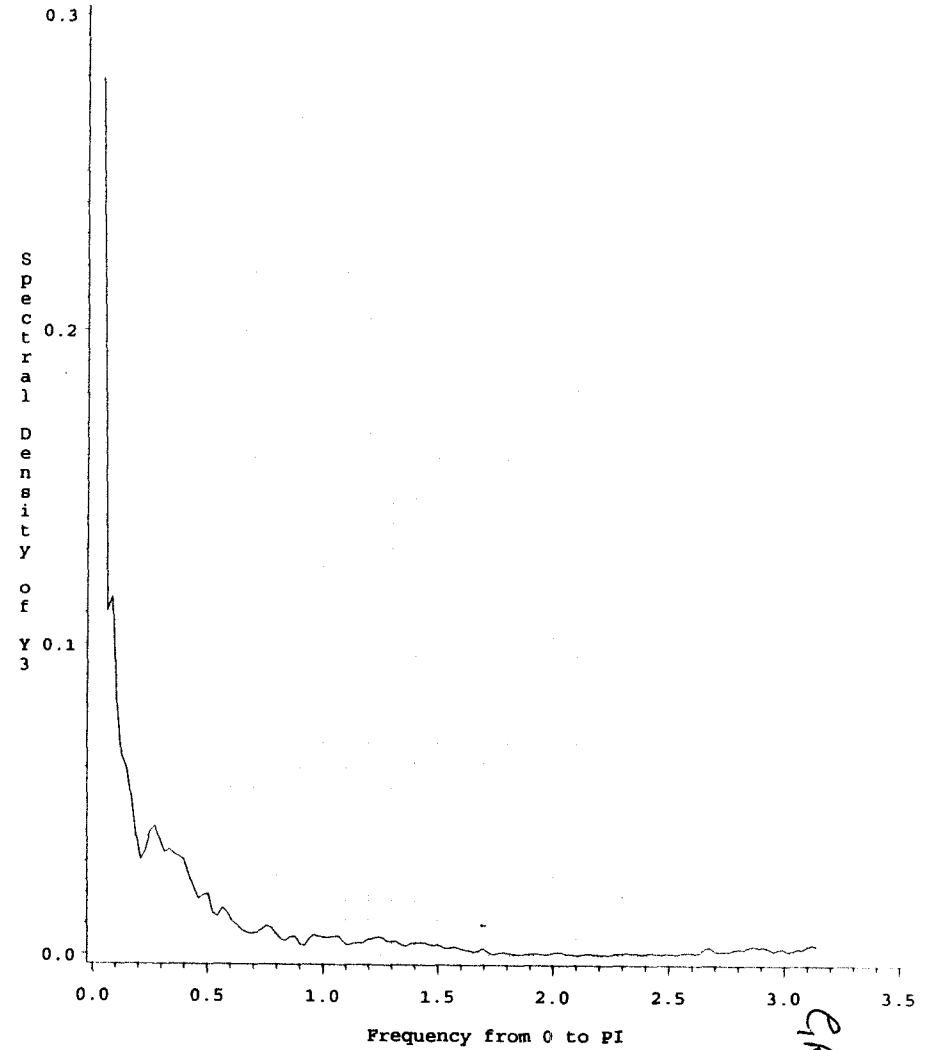
Spectral Density Estimates(SUB2- :Tin 1456-1755)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET2: Tin 1456-1755)

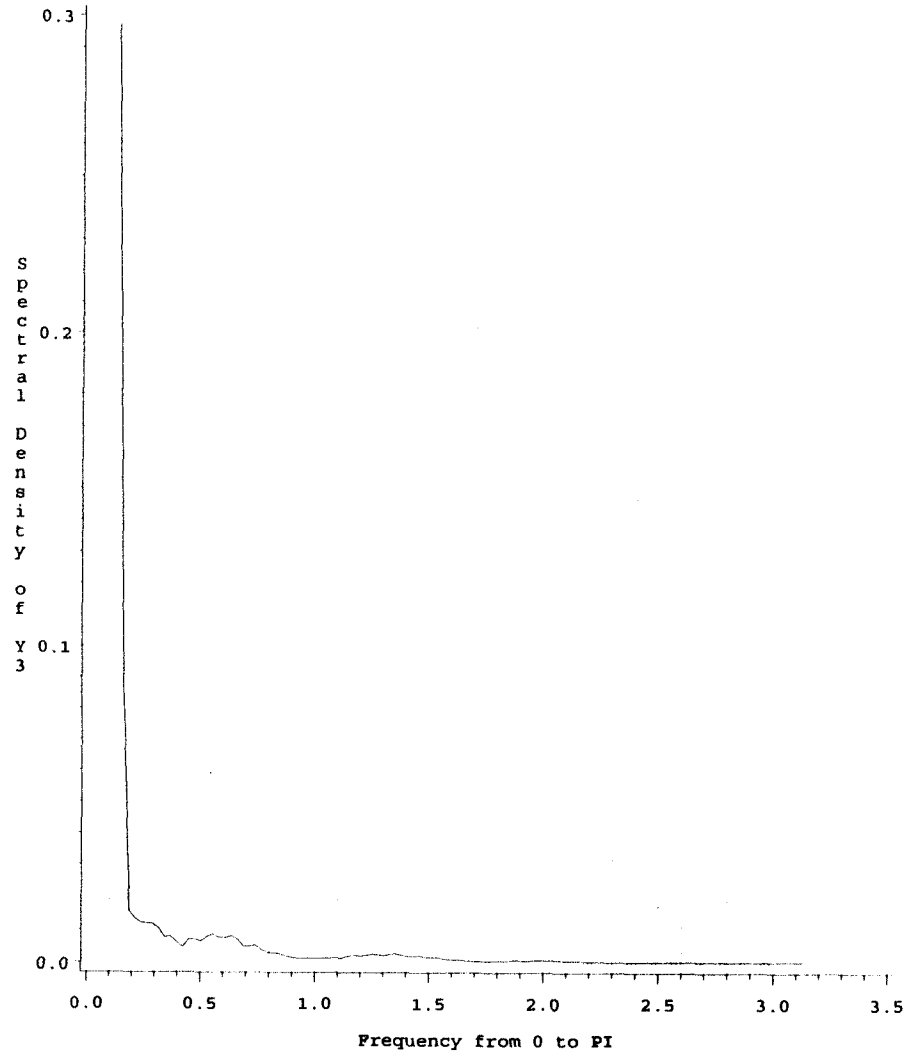
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



ER.31

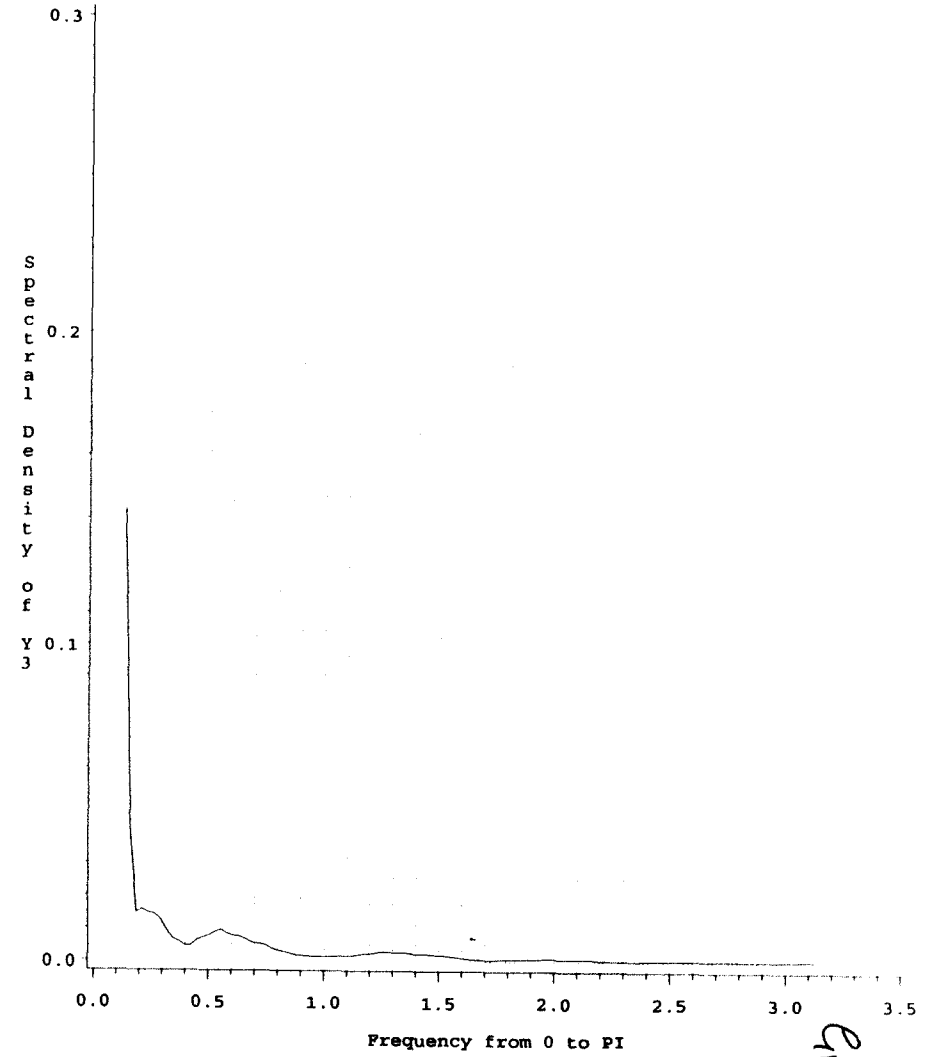
Spectral Density Estimates(SUBSET3:Tin 1756 - 1992)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET3:Tin 1756 - 1992)

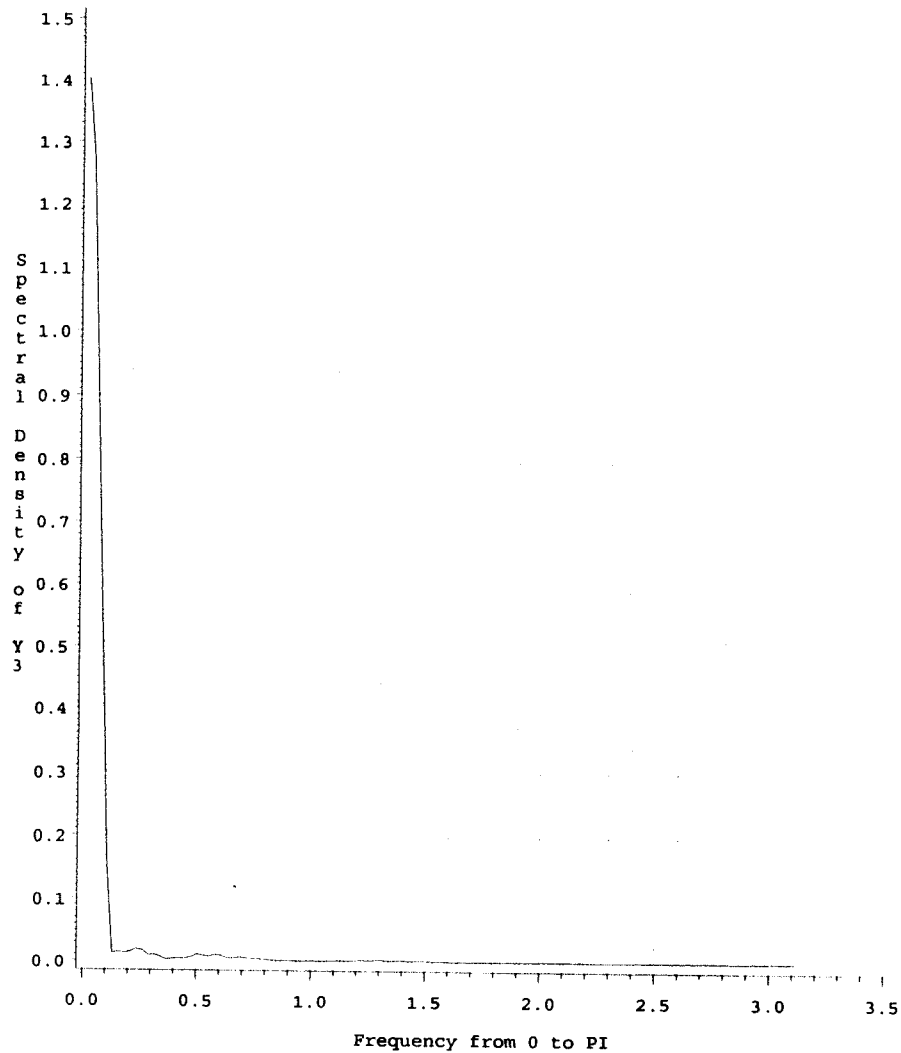
Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



PR.32

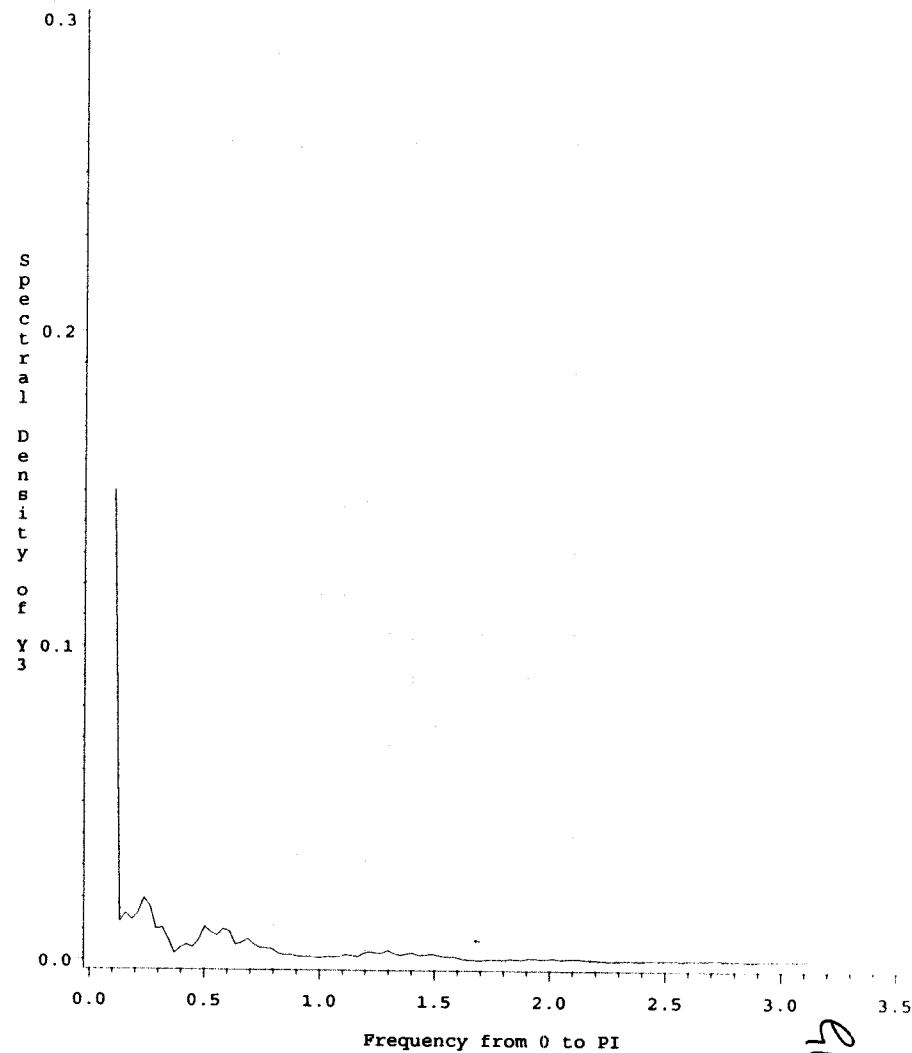
Spectral Density Estimates(SUB3- :Tin 1756-1992)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET3:Tin 1756-1992)

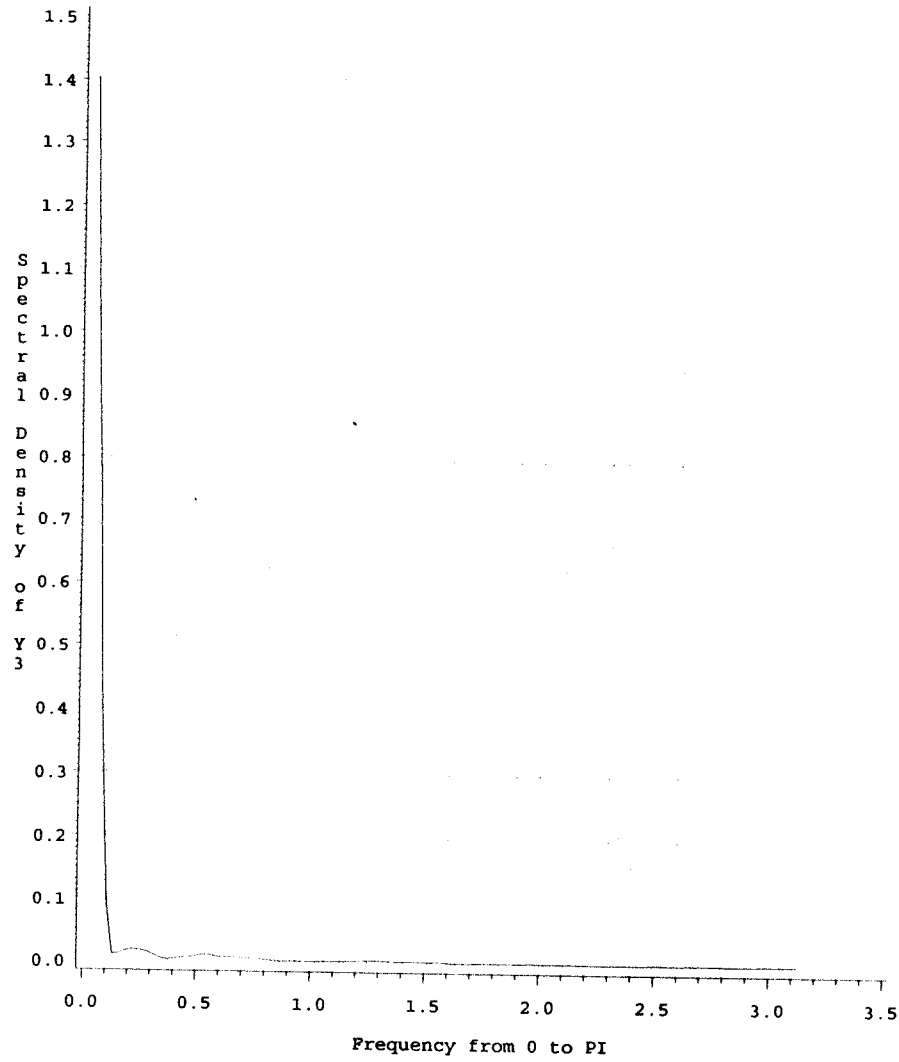
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



ER.33

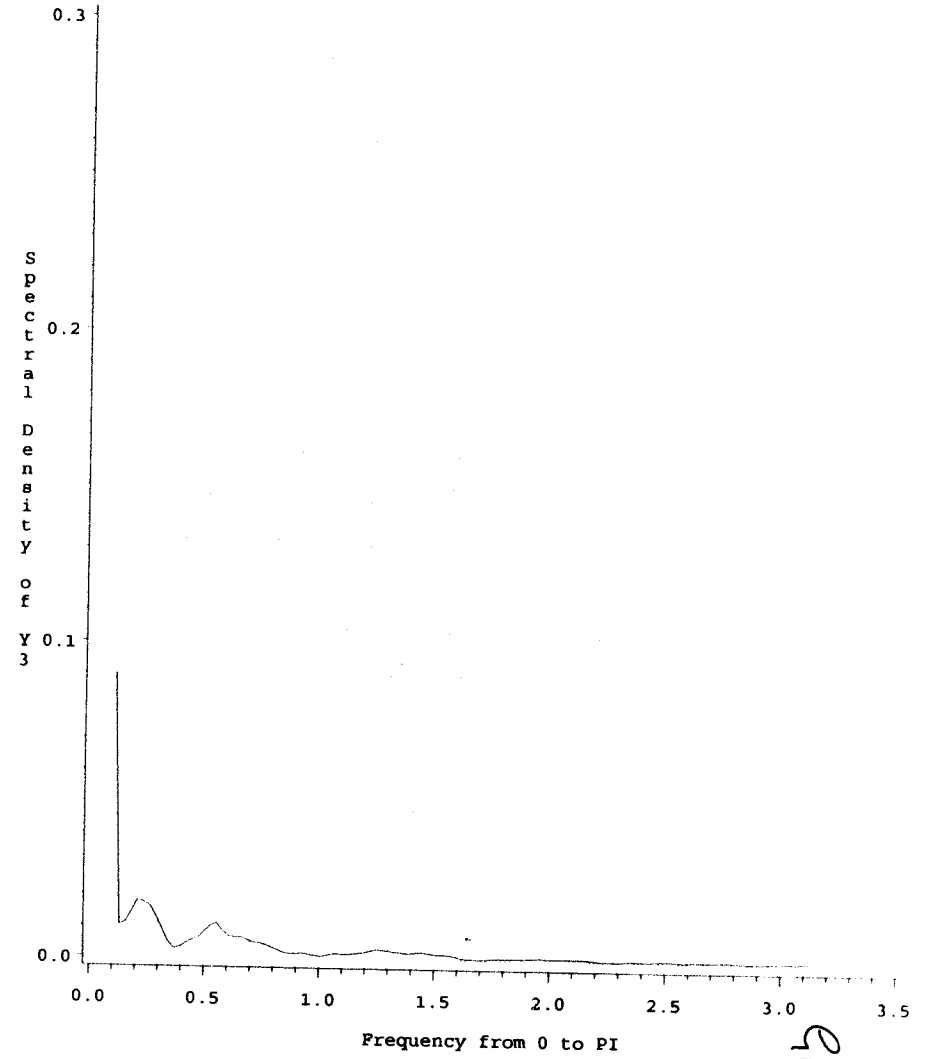
Spectral Density Estimates(SUB3- :Tin 1756-1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET3: Tin 1756-1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual

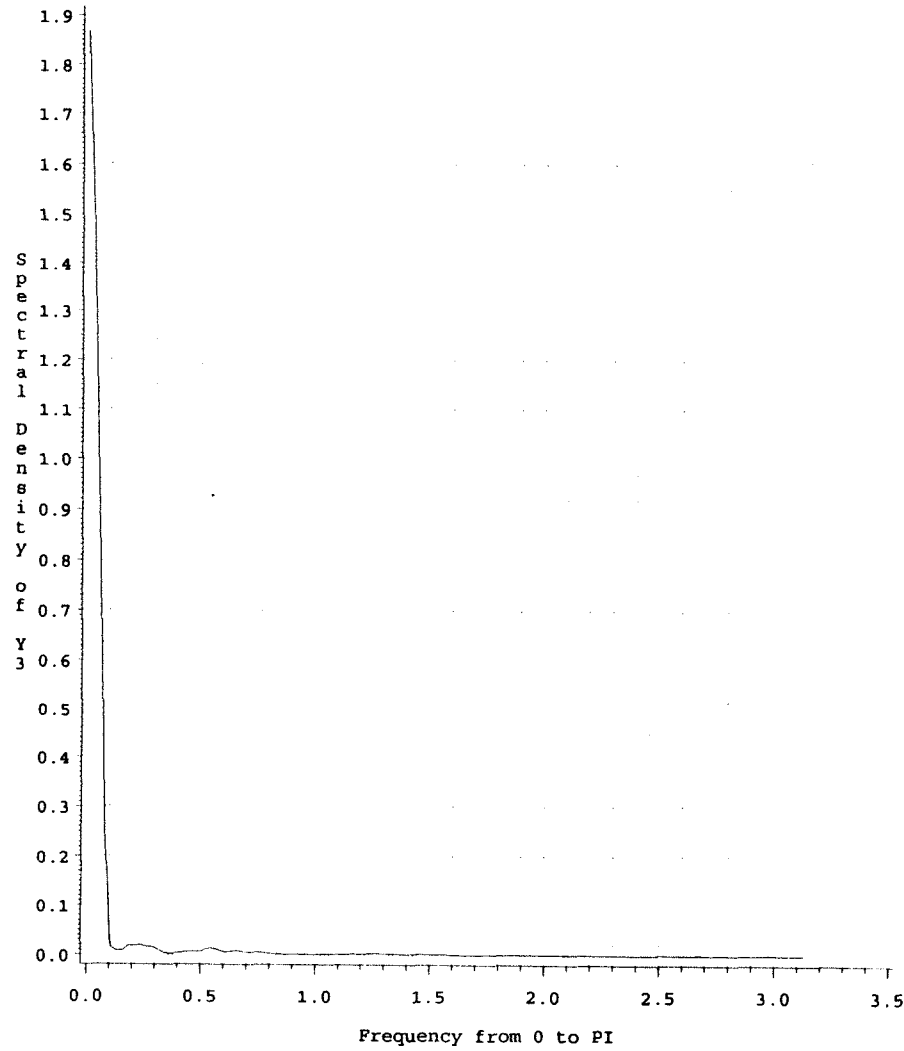


PR.34



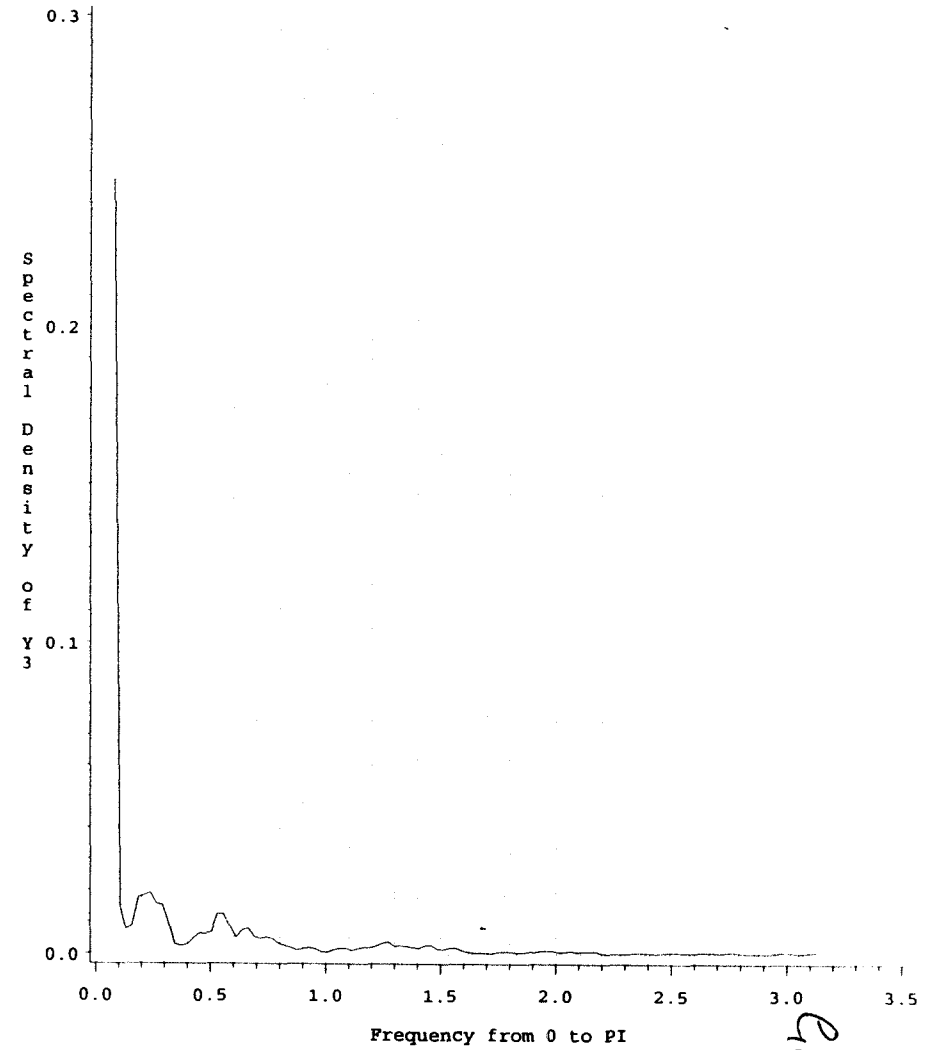
Spectral Density Estimates(SUB3- Tin 1756-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET3: Tin 1756-1992)

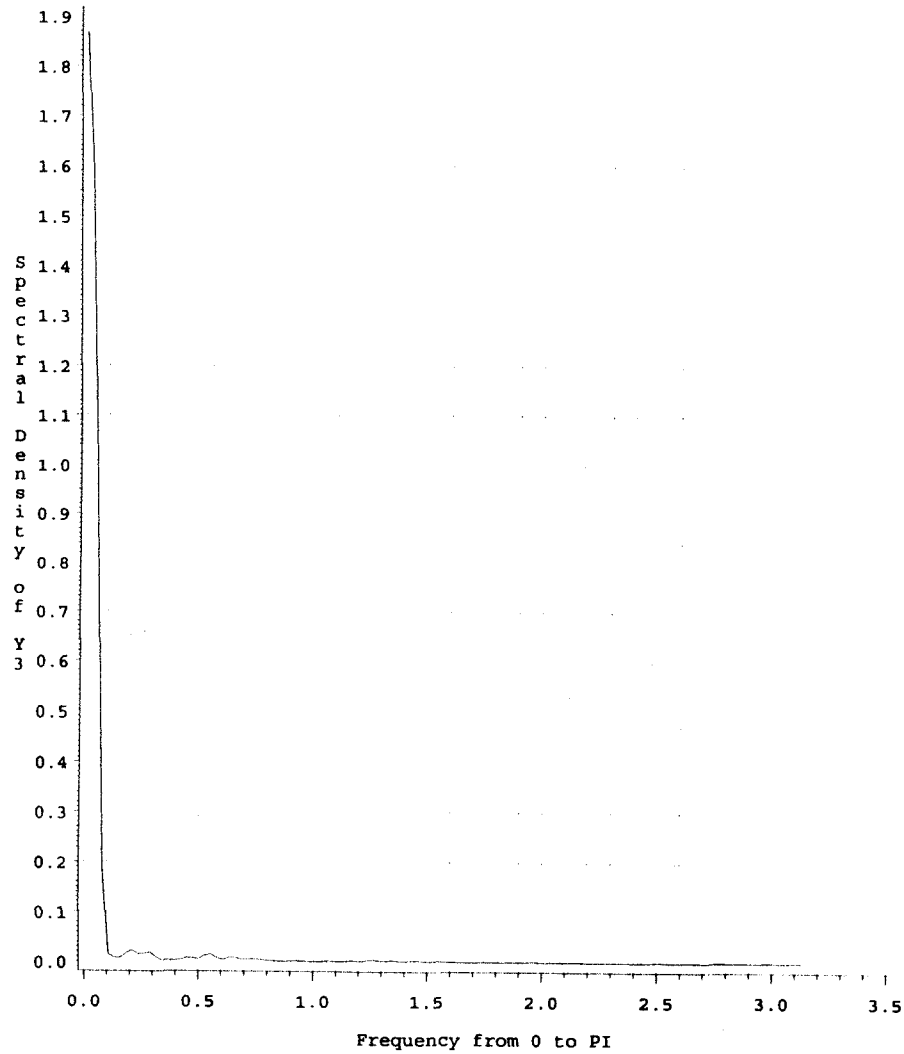
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model: Residual



ER.35

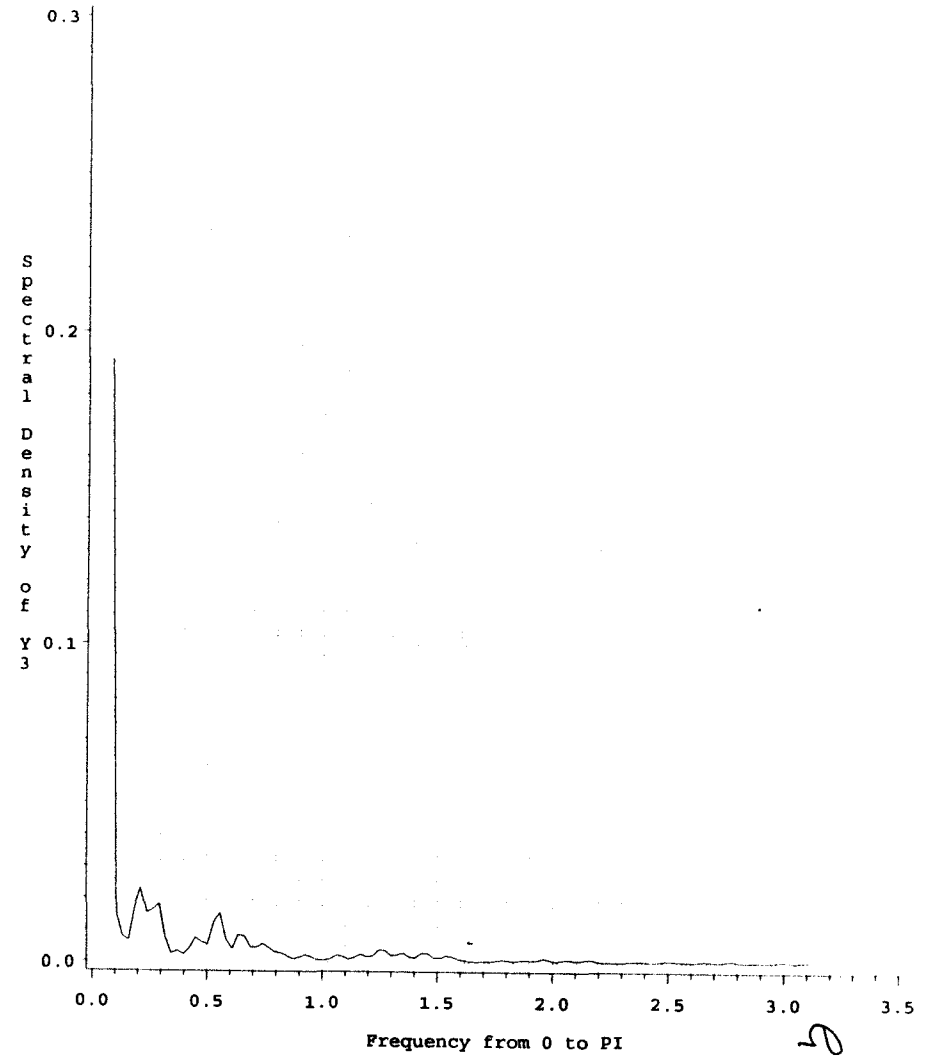
Spectral Density Estimates(SUB3- :Tin 1756 -1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



Spectral Density Estimates(SUBSET3: Tin 1756-1992)

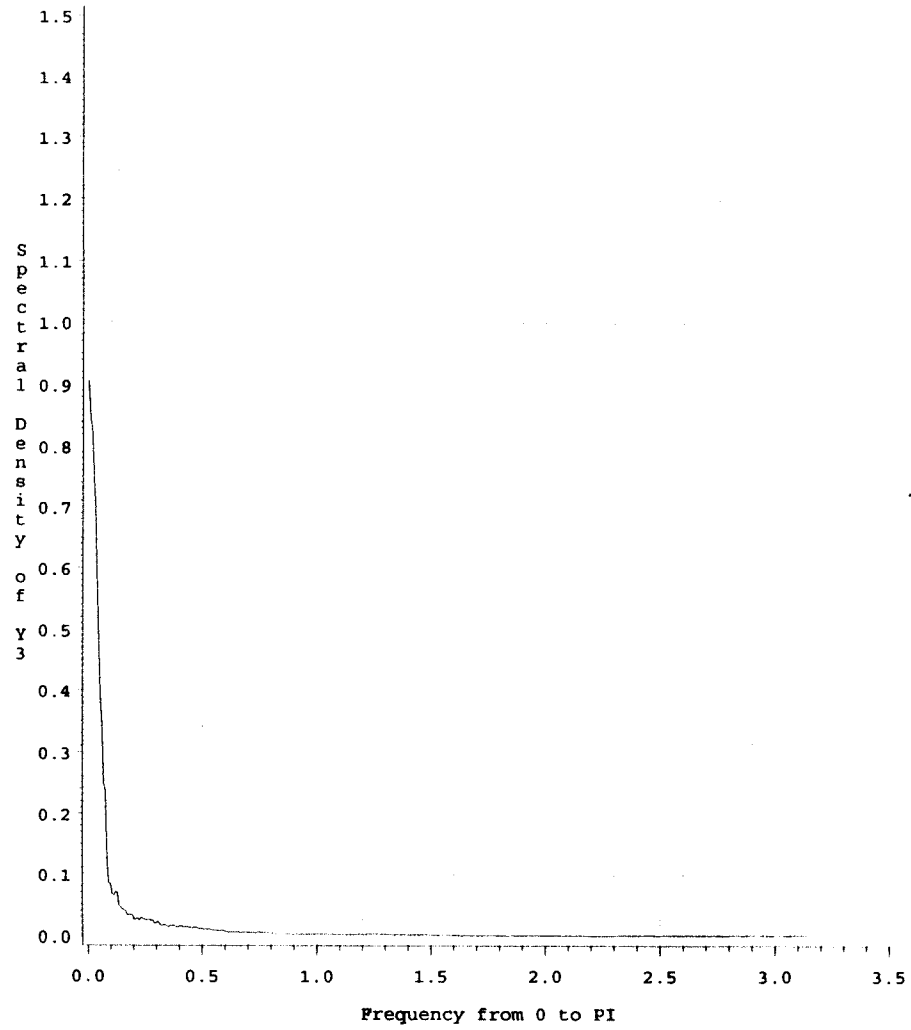
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model: Residual



PR.36

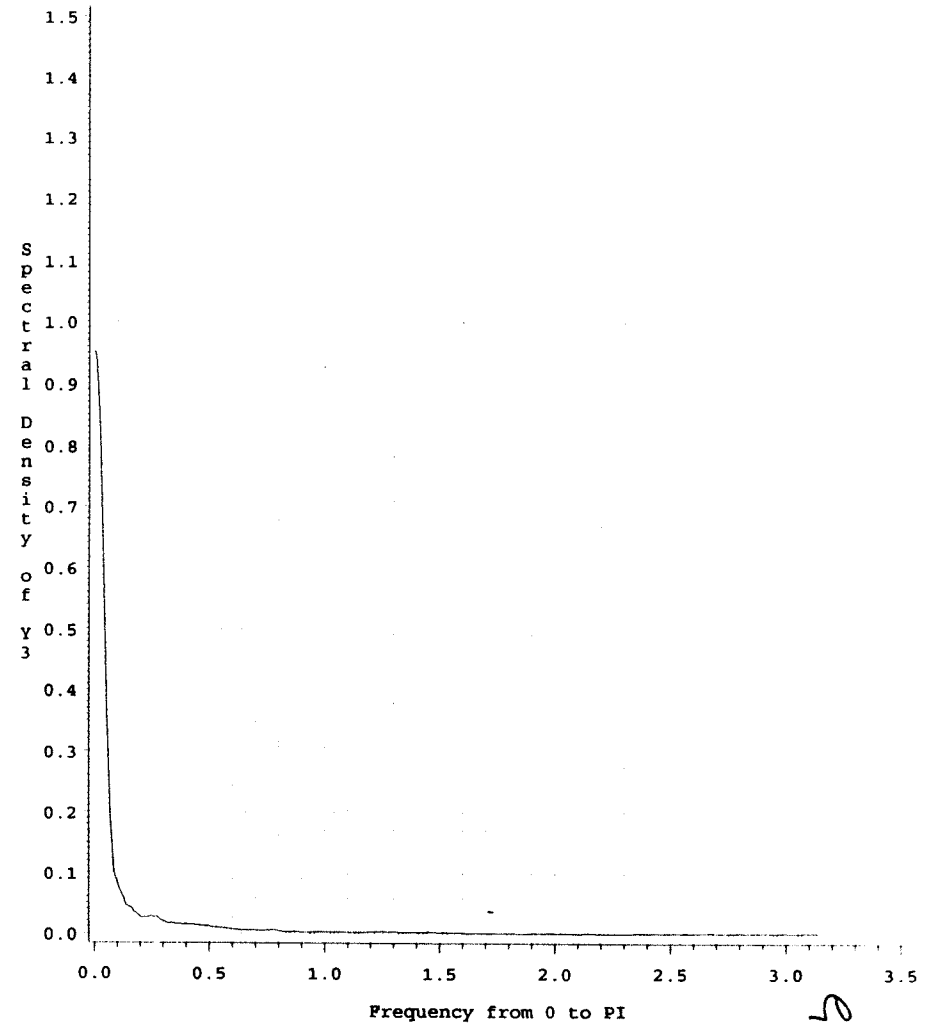
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)  
Heteroscedasticity Reduced-300yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

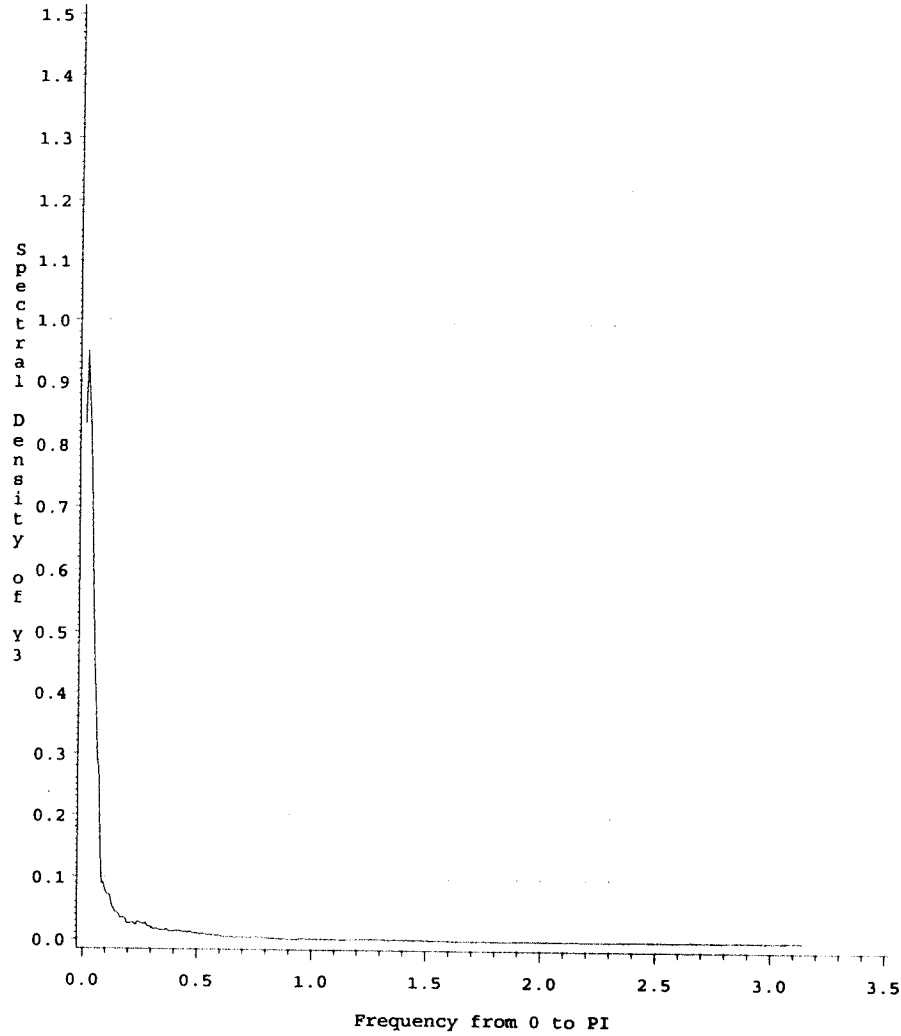
Spectral Window: 11 (Tri)  
Heteroscedasticity Reduced-300yr step:Residual



PK.37

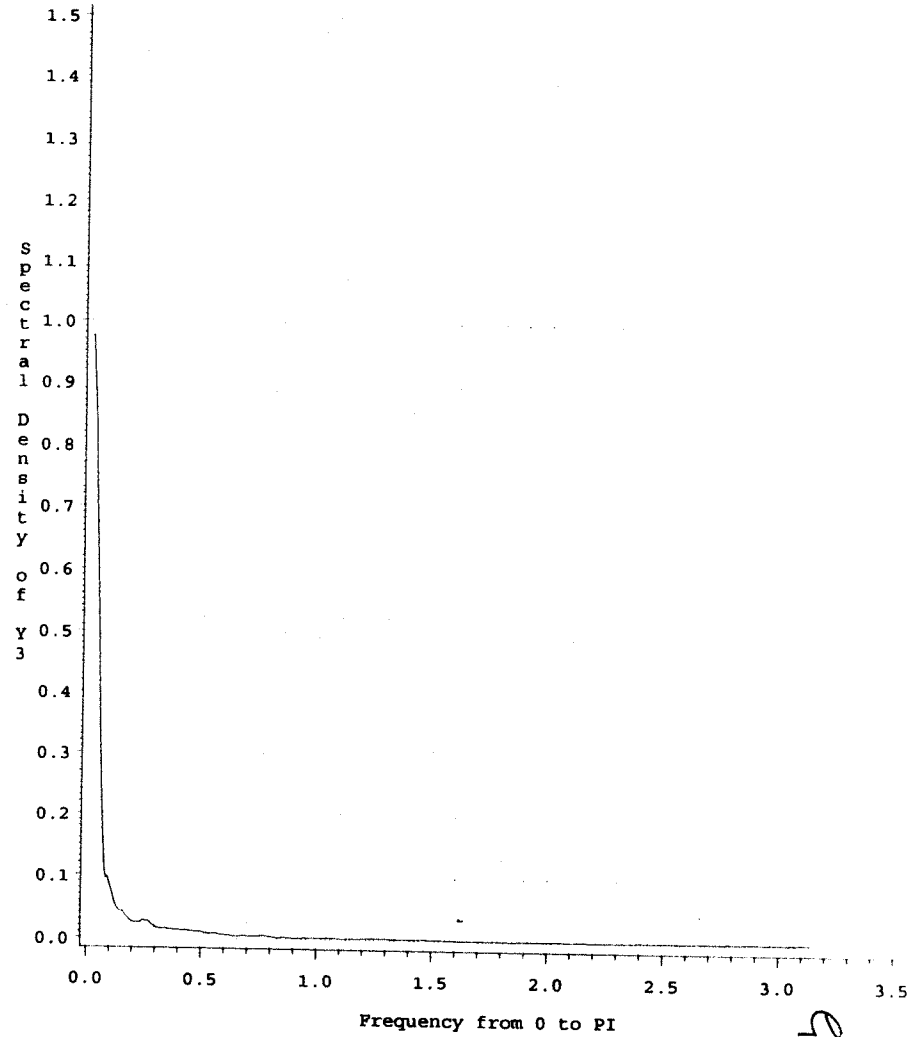
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 9 (Rec)  
Heteroscedasticity Reduced-300yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

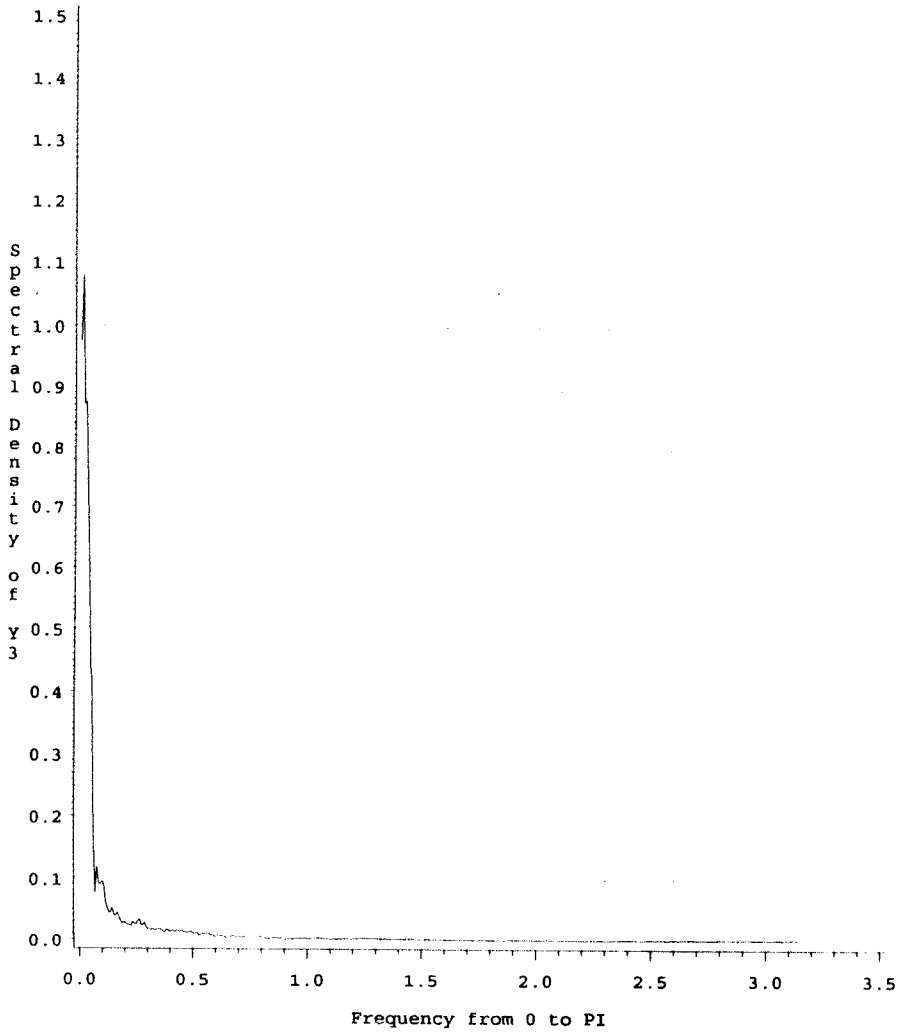
Spectral Window: 9 (Tri)  
Heteroscedasticity Reduced-300yr step:Residual



PR.38

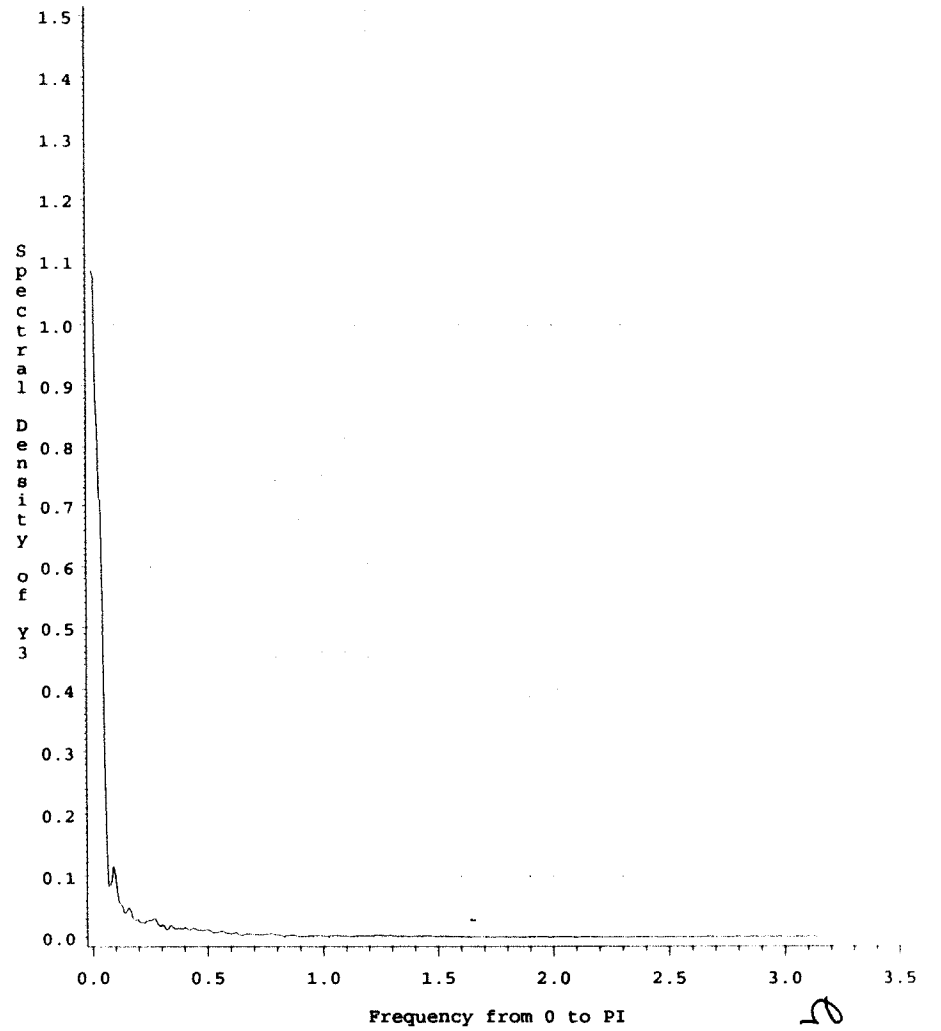
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 5 (R)  
Heteroscedasticity Reduced-300yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

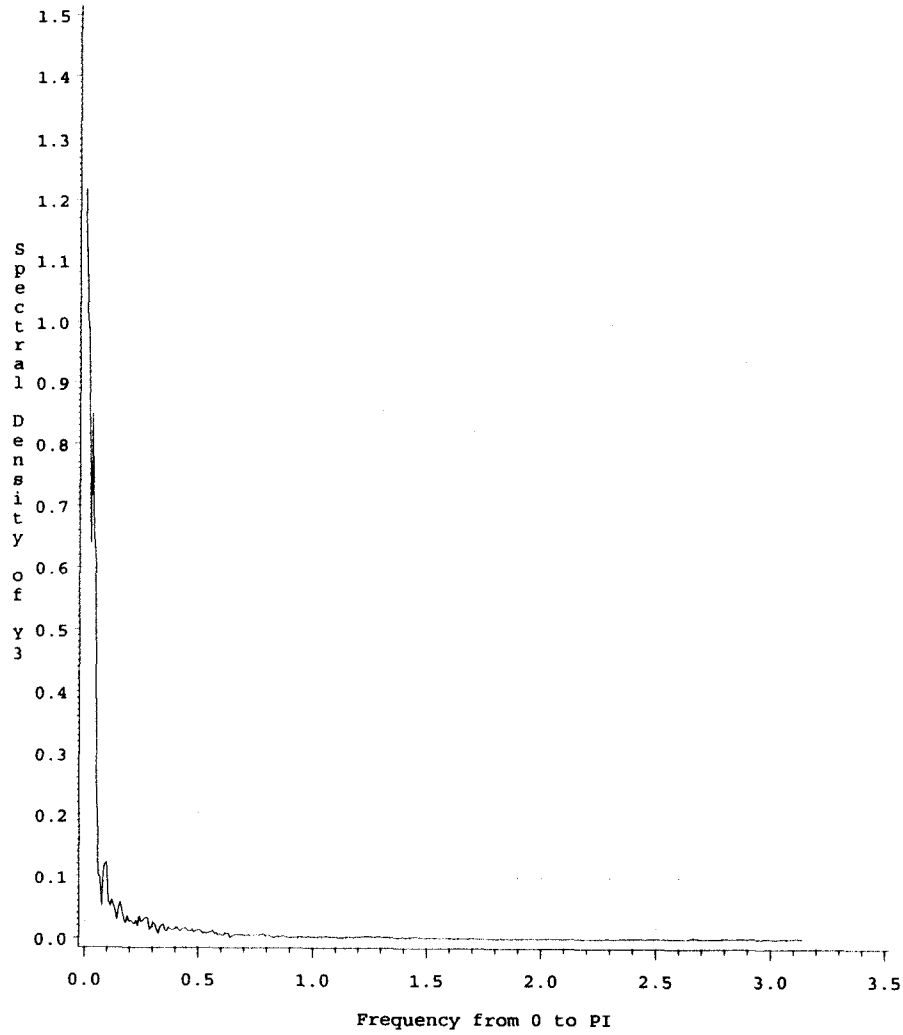
Spectral Window: 5 (Tri)  
Heteroscedasticity Reduced-300yr step:Residual



ER.39

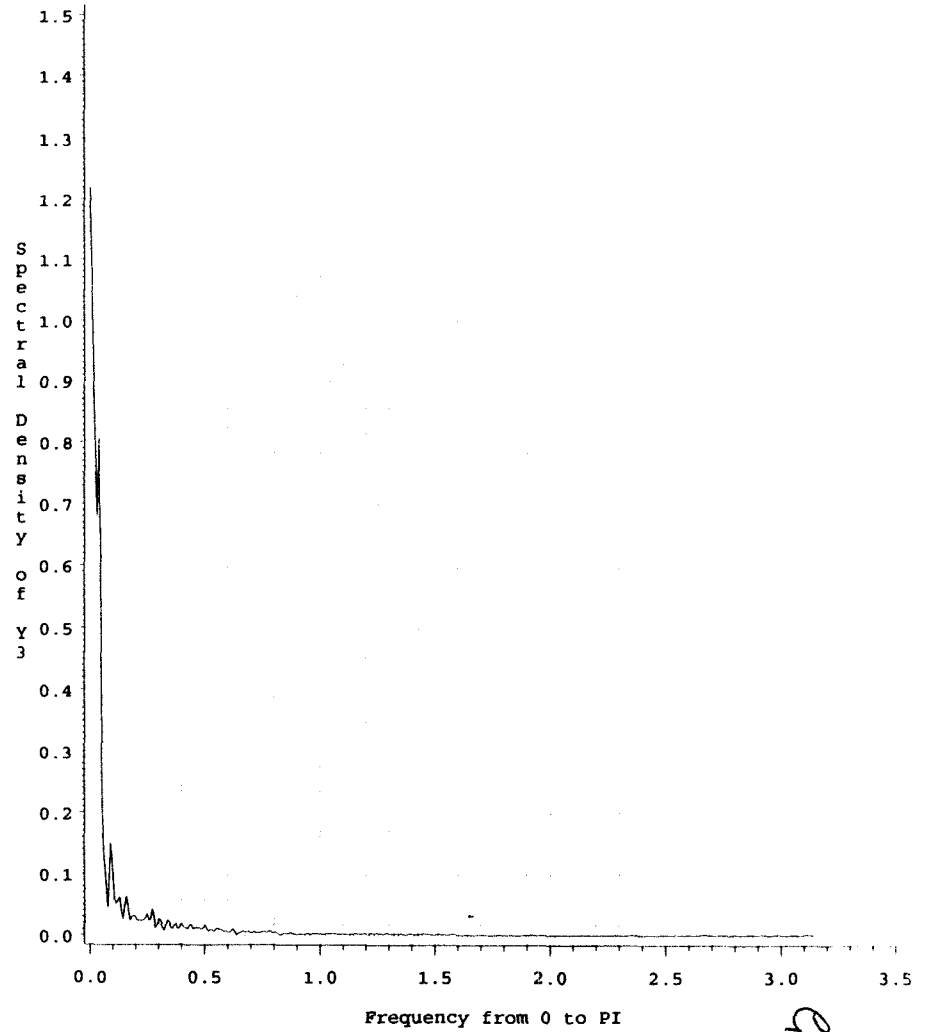
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)  
Heteroscedasticity Reduced-300yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

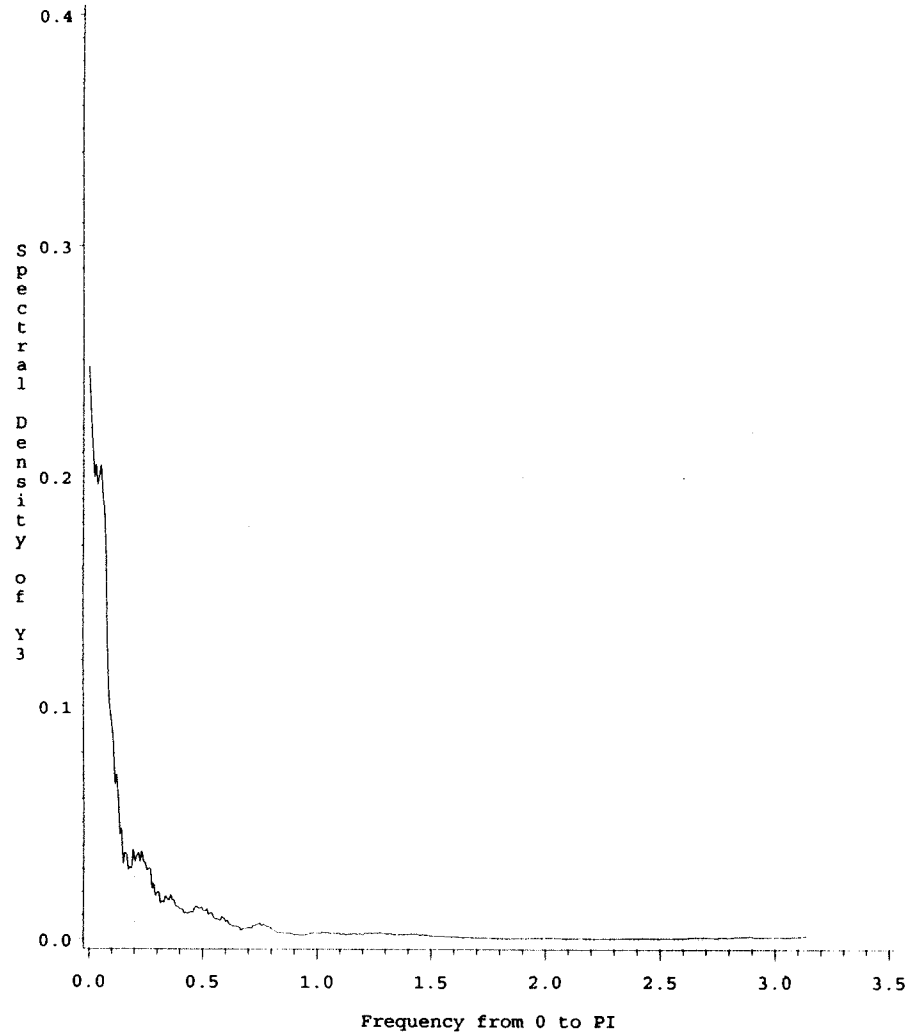
Spectral Window: 3 (Tri)  
Heteroscedasticity Reduced-300yr step:Residual



GR.40

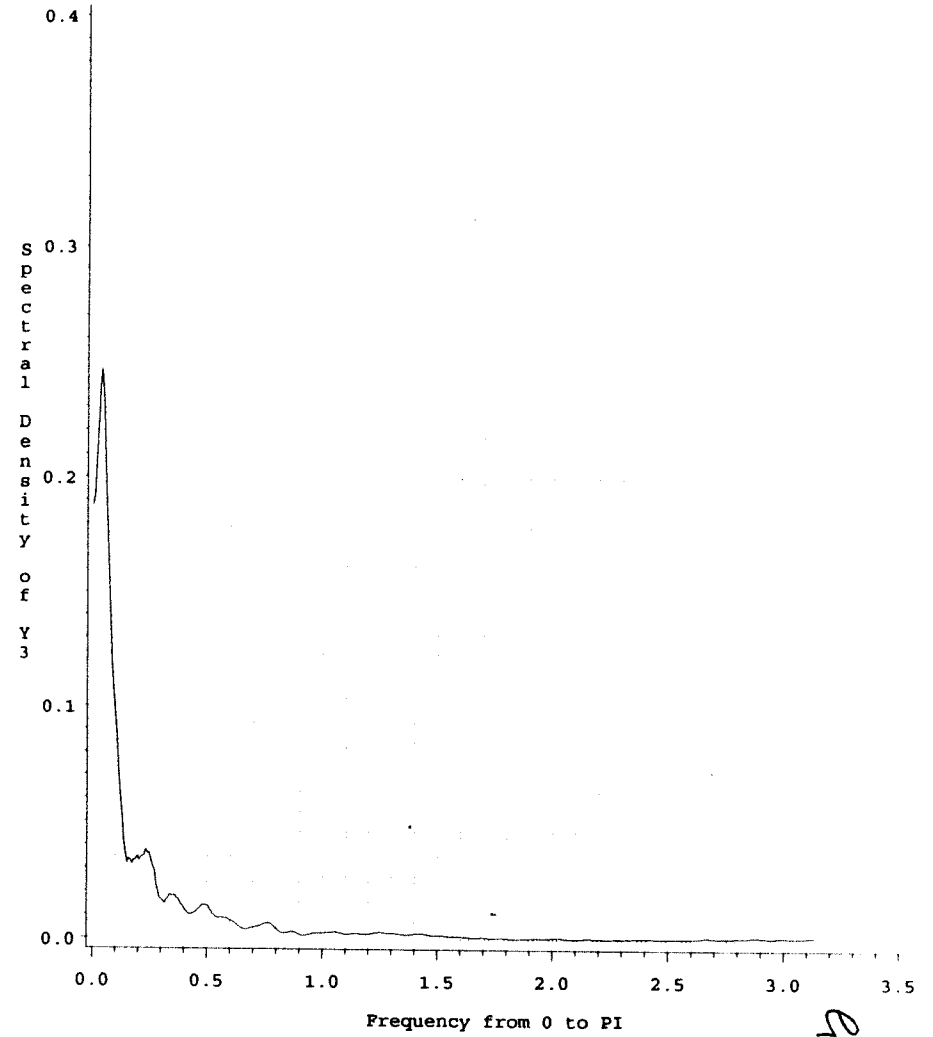
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 11 (Rec)  
Heteroscedasticity Reduced-150yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

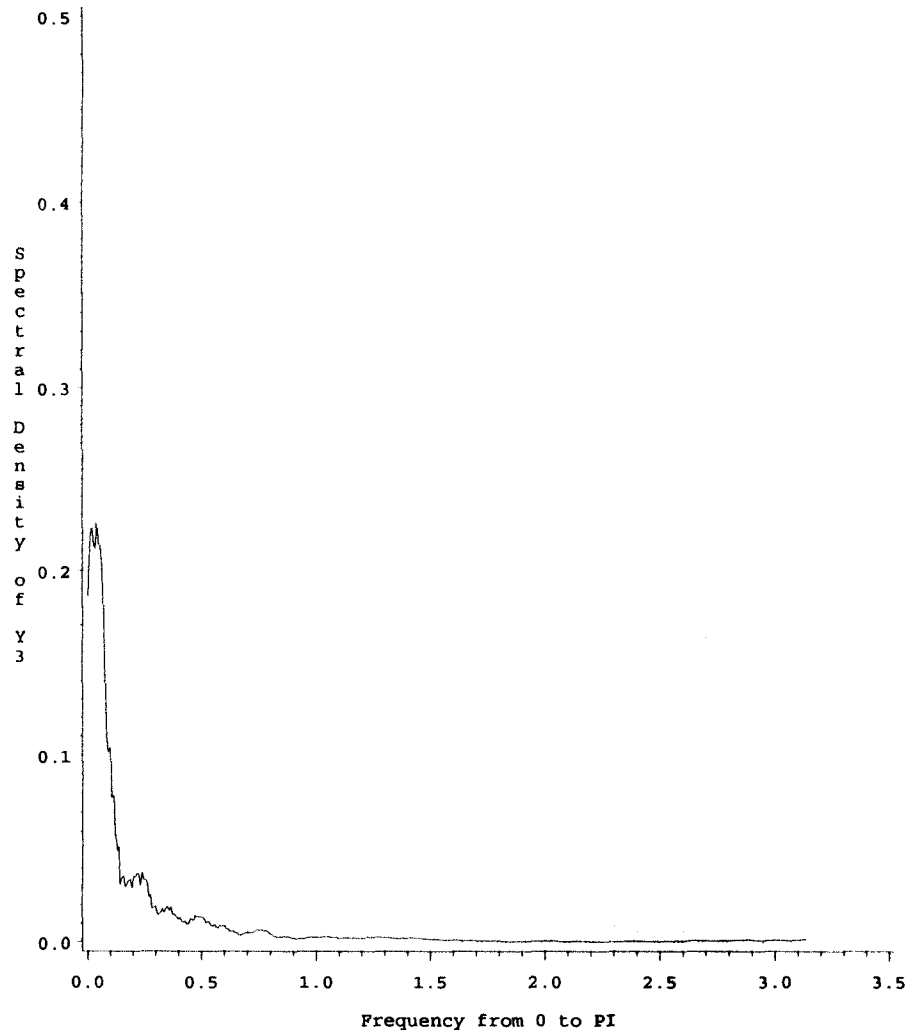
Spectral Window: 11 (Tri)  
Heteroscedasticity Reduced-150yr step:Residual



ER.41

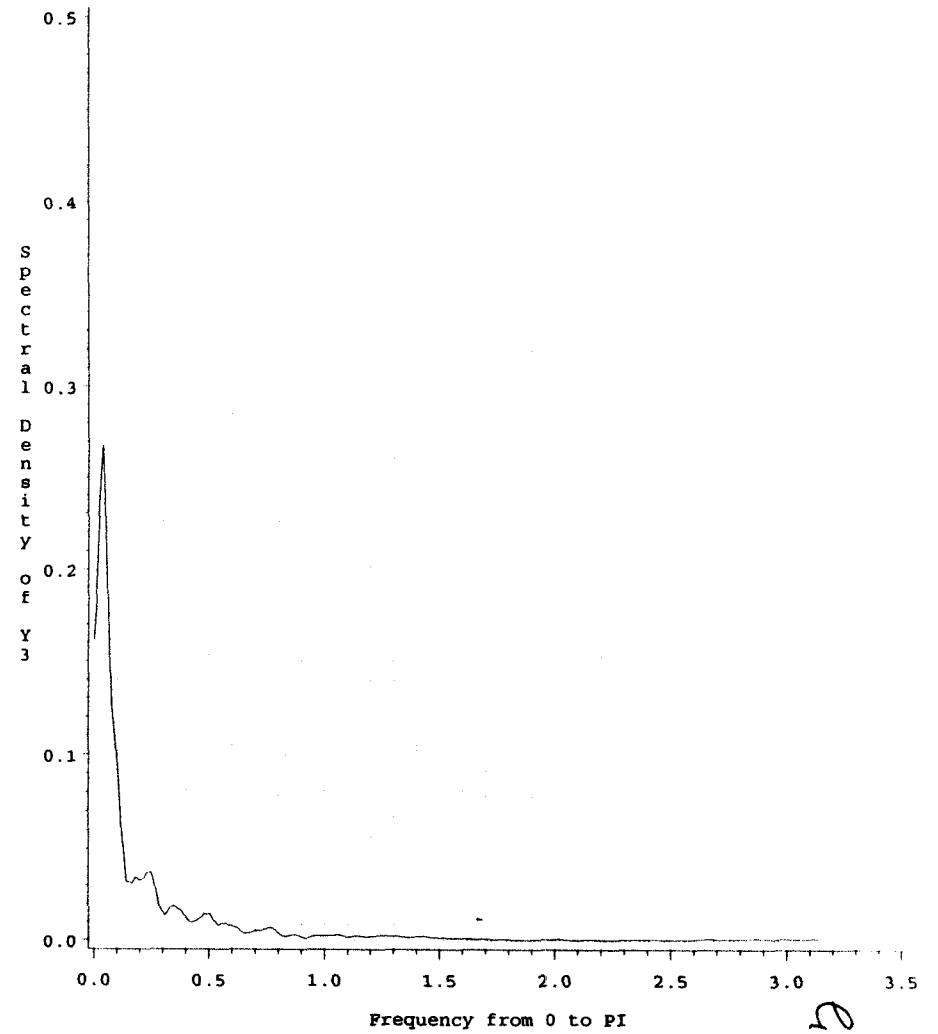
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 9 (Rec)  
Heteroscedasticity Reduced-150yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 9 (Tri)  
Heteroscedasticity Reduced-150yr step:Residual

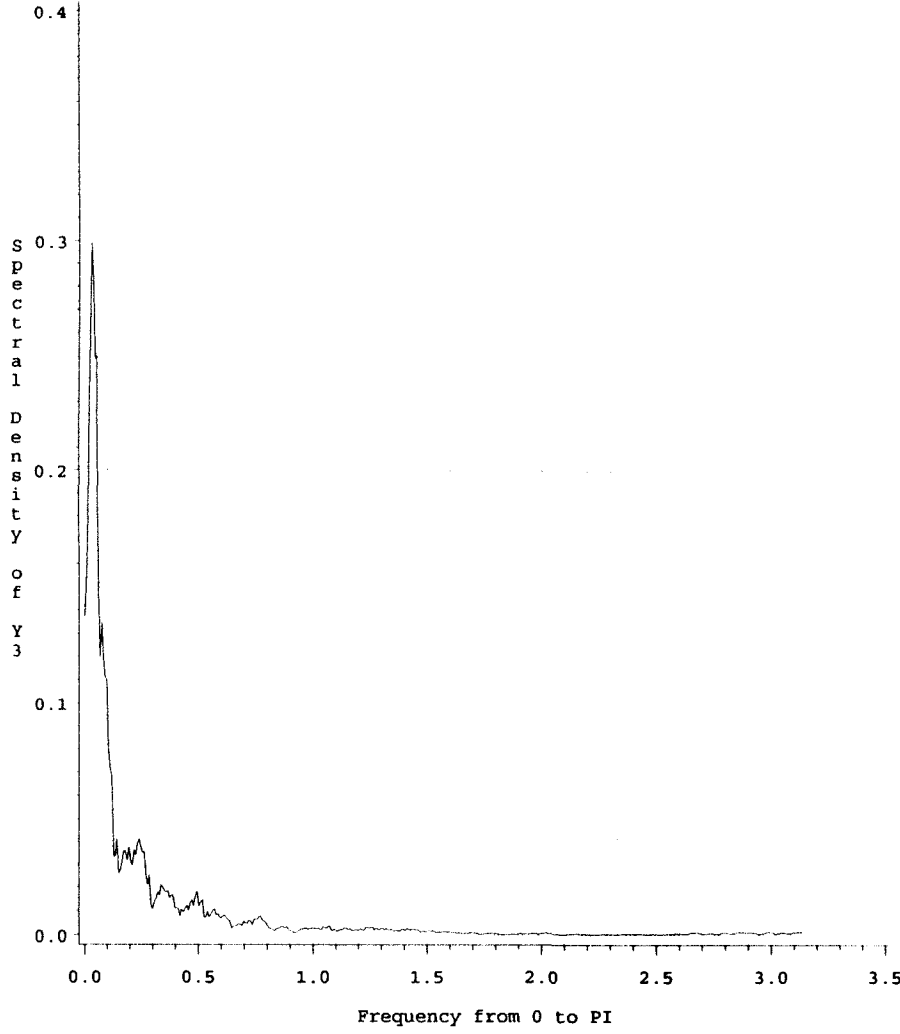


QR.42



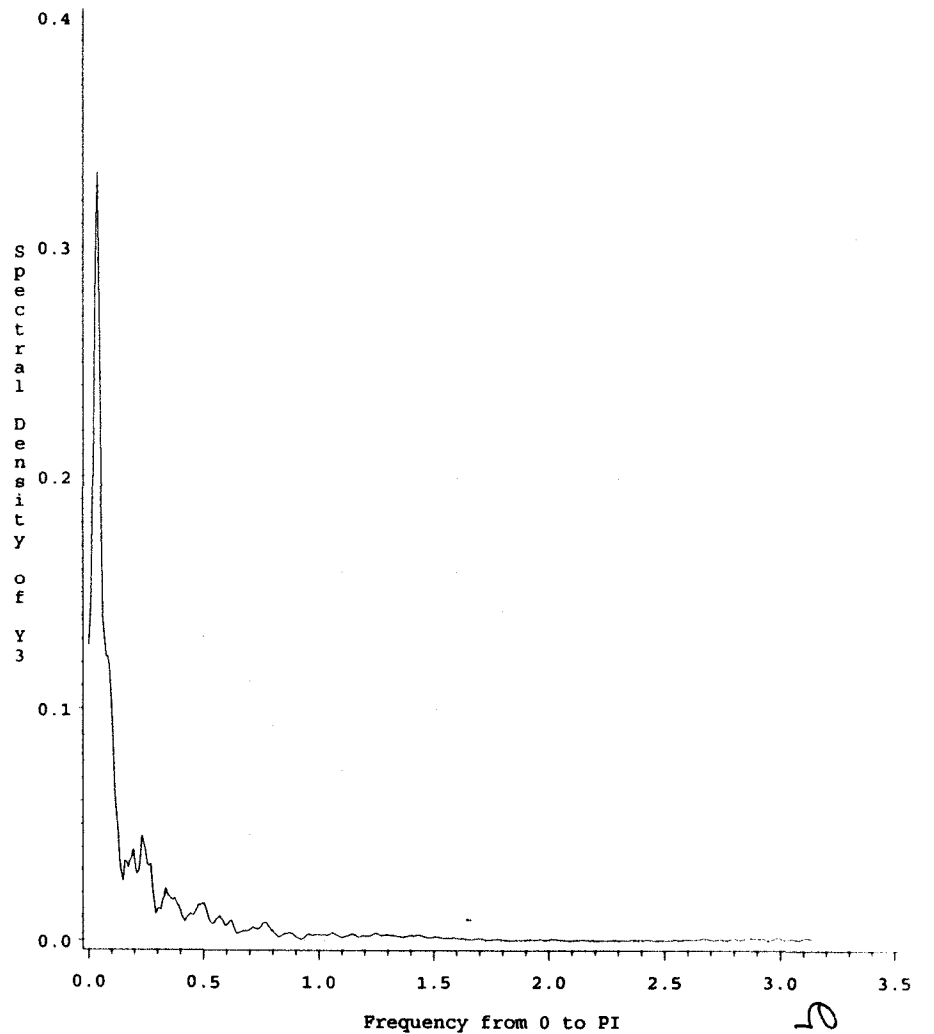
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 5 (Rec)  
Heteroscedasticity Reduced-150yr step:Residual



Spectral Density Estimates:(Tin Prodn 1156-1992)

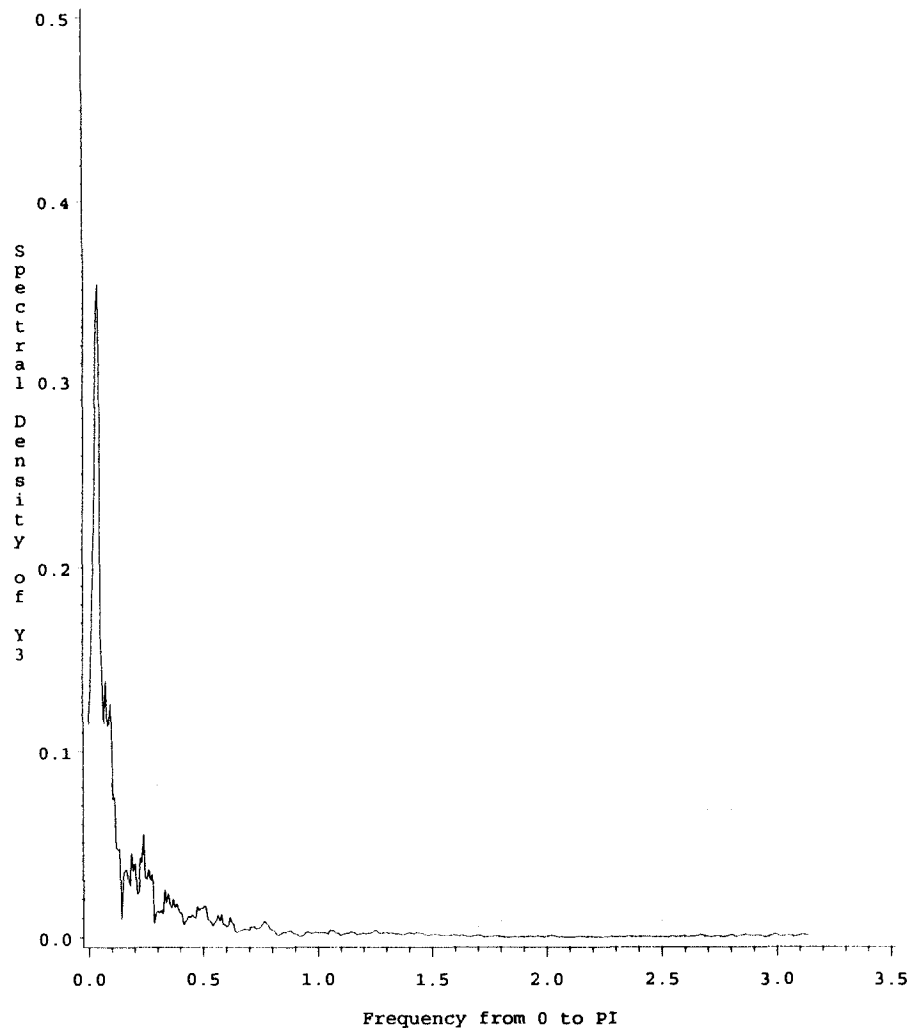
Spectral Window: 5 (Tri)  
Heteroscedasticity Reduced-150yr step:Residual



QR.43

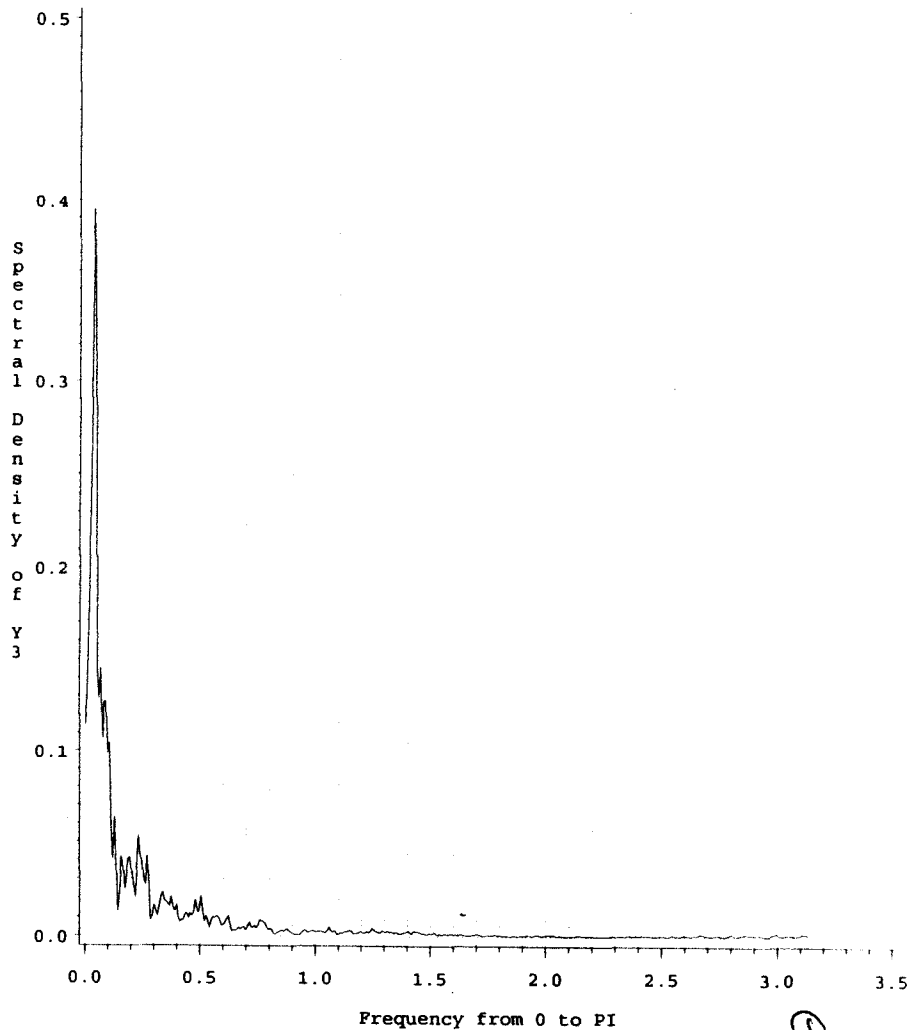
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 3 (Rec)  
Heteroscedasticity Reduced-150yr step:Residual



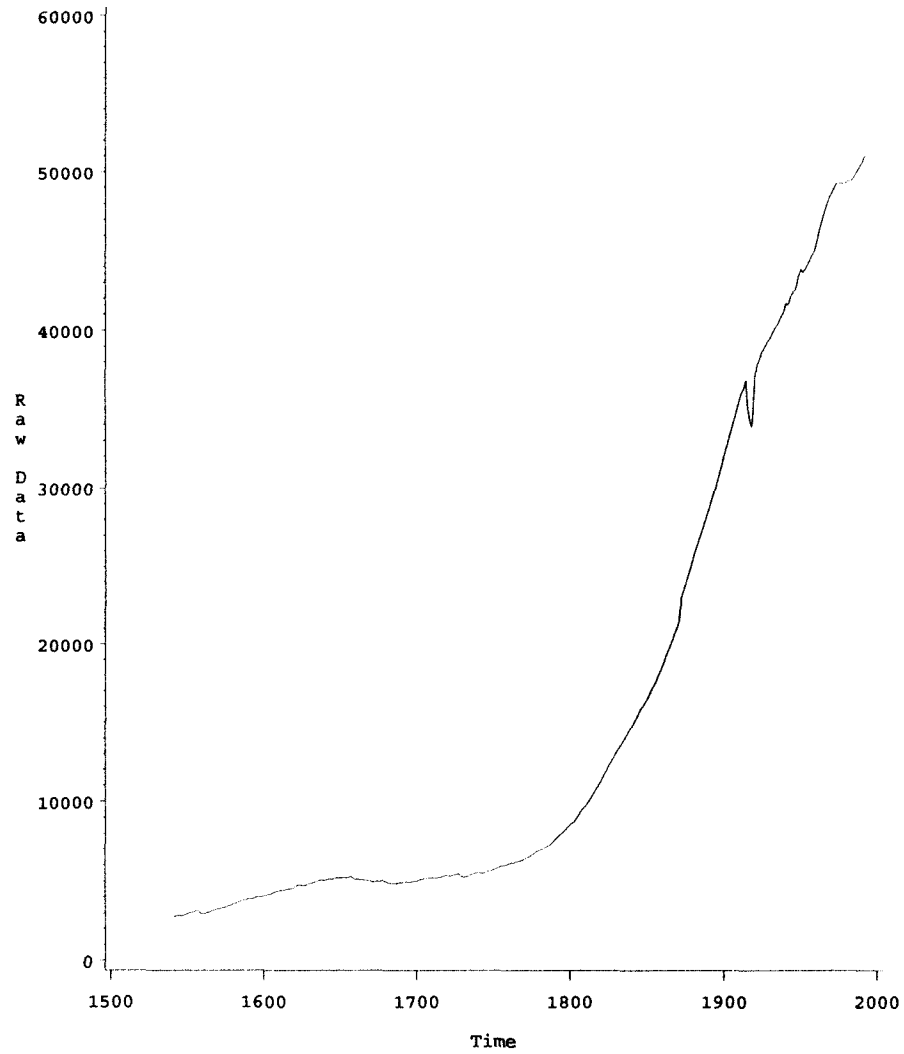
Spectral Density Estimates:(Tin Prodn 1156-1992)

Spectral Window: 3 (Tri)  
Heteroscedasticity Reduced-150yr step:Residual

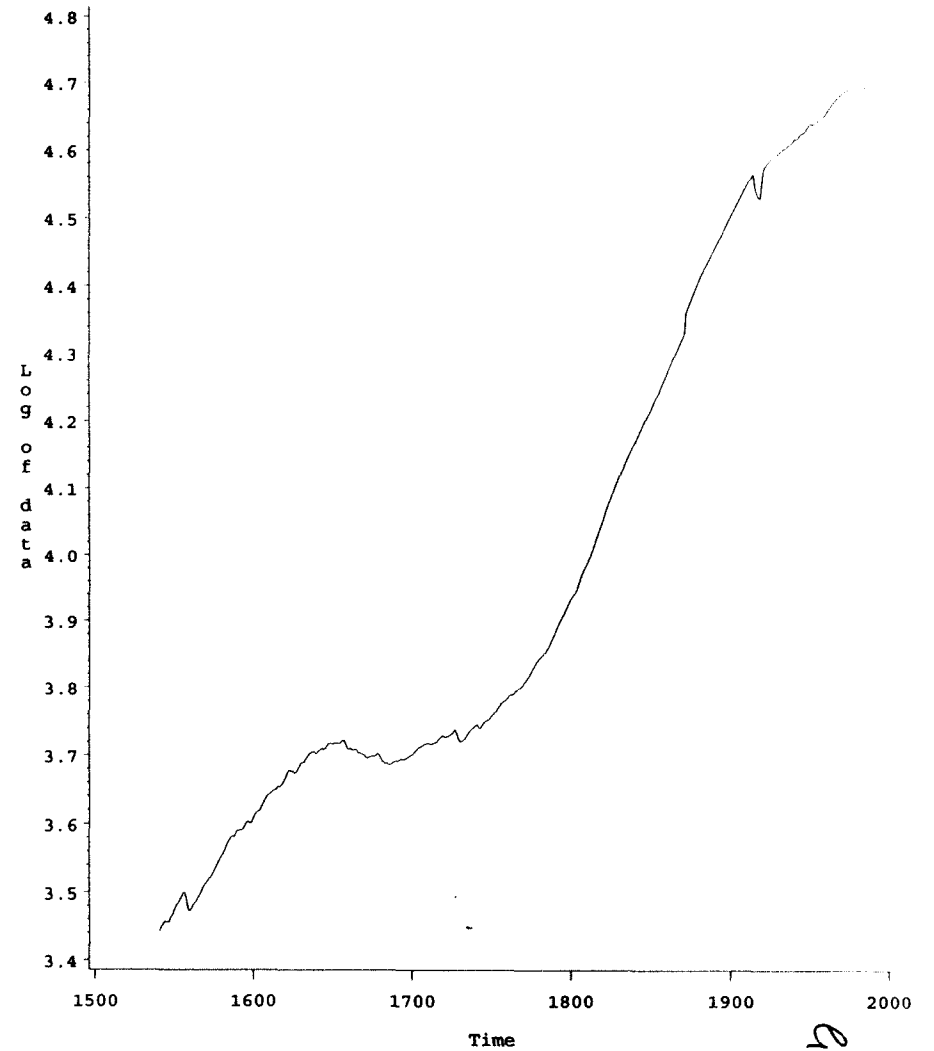


GR.44

Population (Eng & Wales): 1541-1992  
Original Raw Data



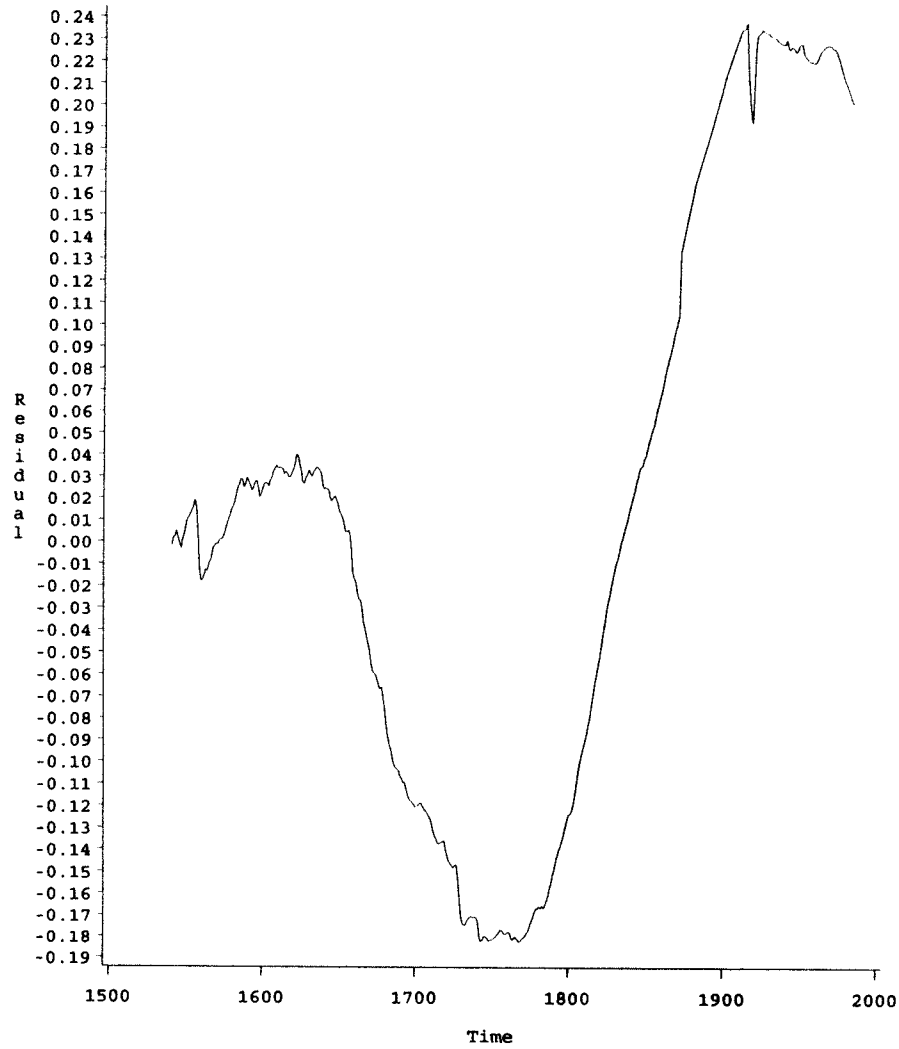
Population (Eng & Wales): 1541-1992  
Original Log Data



ER.45

# Population (Eng & Wales): 1541-1992

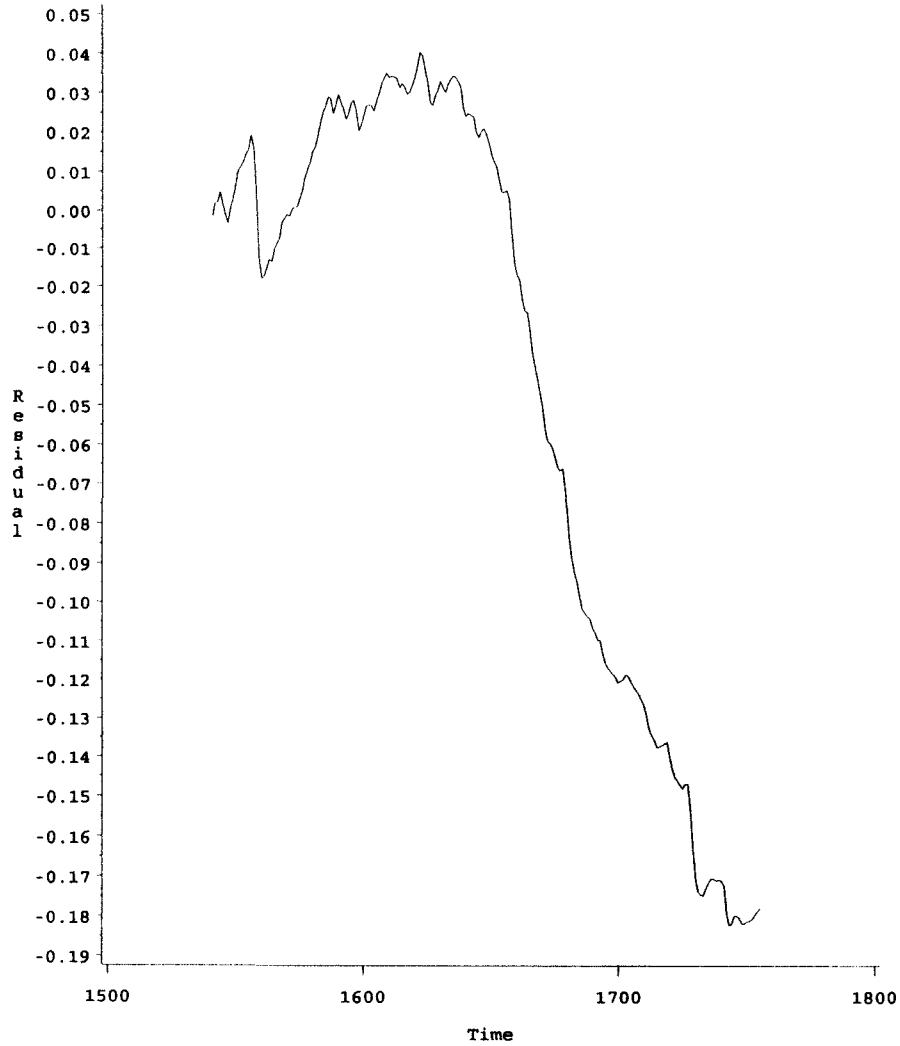
Basic (Homoscedastic Approxm) Model: Residual



ER.46

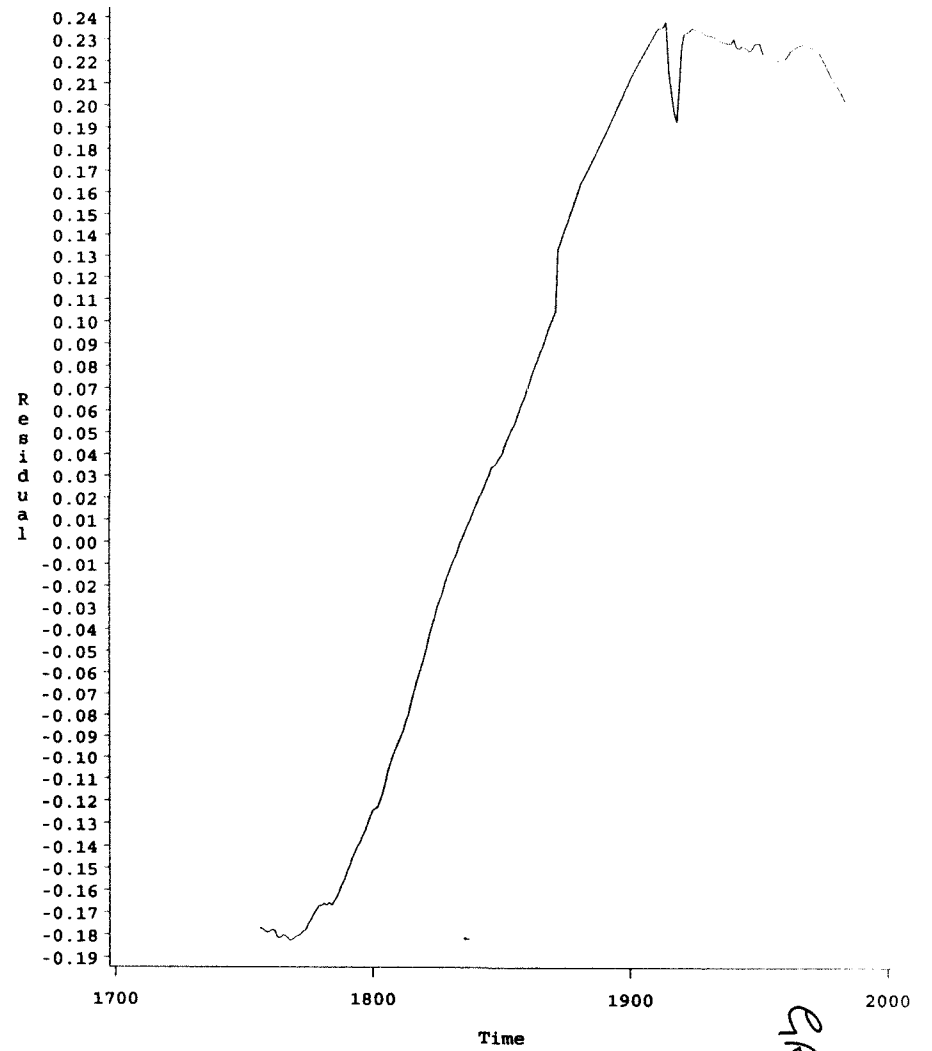
Population: Subset1: 1541-1755

Basic (Homoscedastic Approxm) Model:Residual



Population: Subset2: 1755-1992

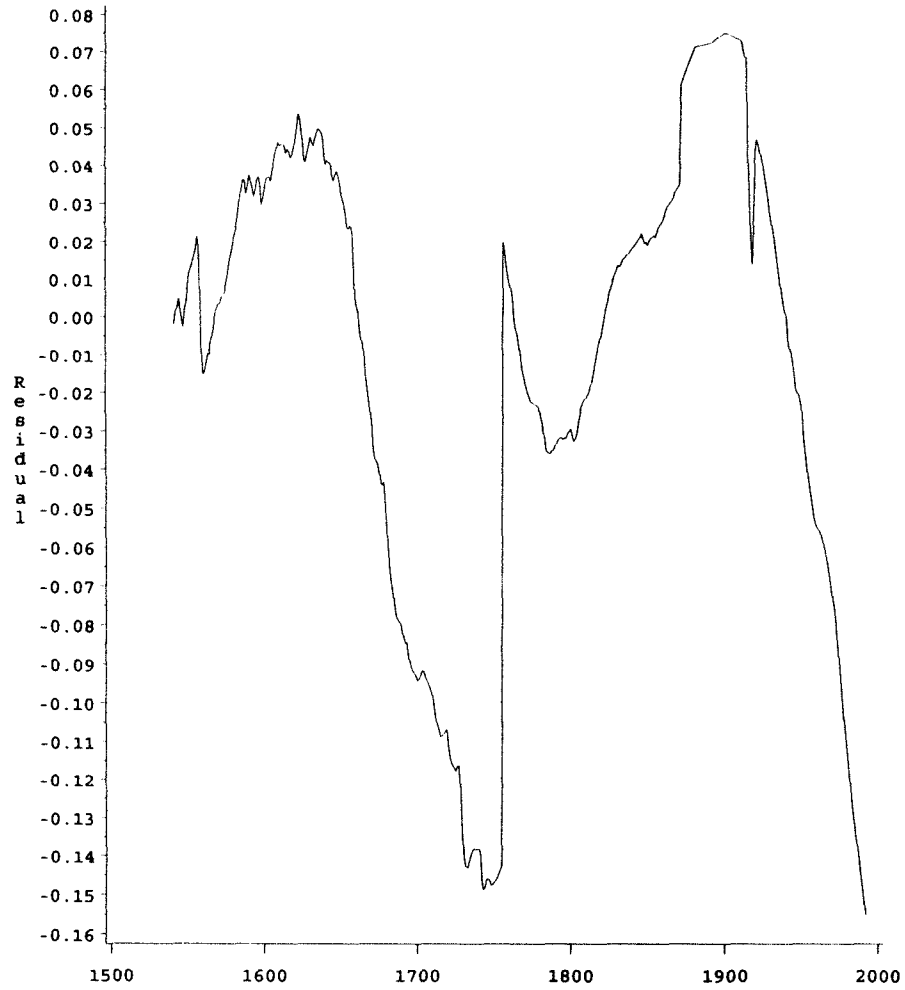
Basic (Homoscedastic Approxm) Model:Residual



QR.47

# Heteroscedasticity Reduced: 200-yr step Model

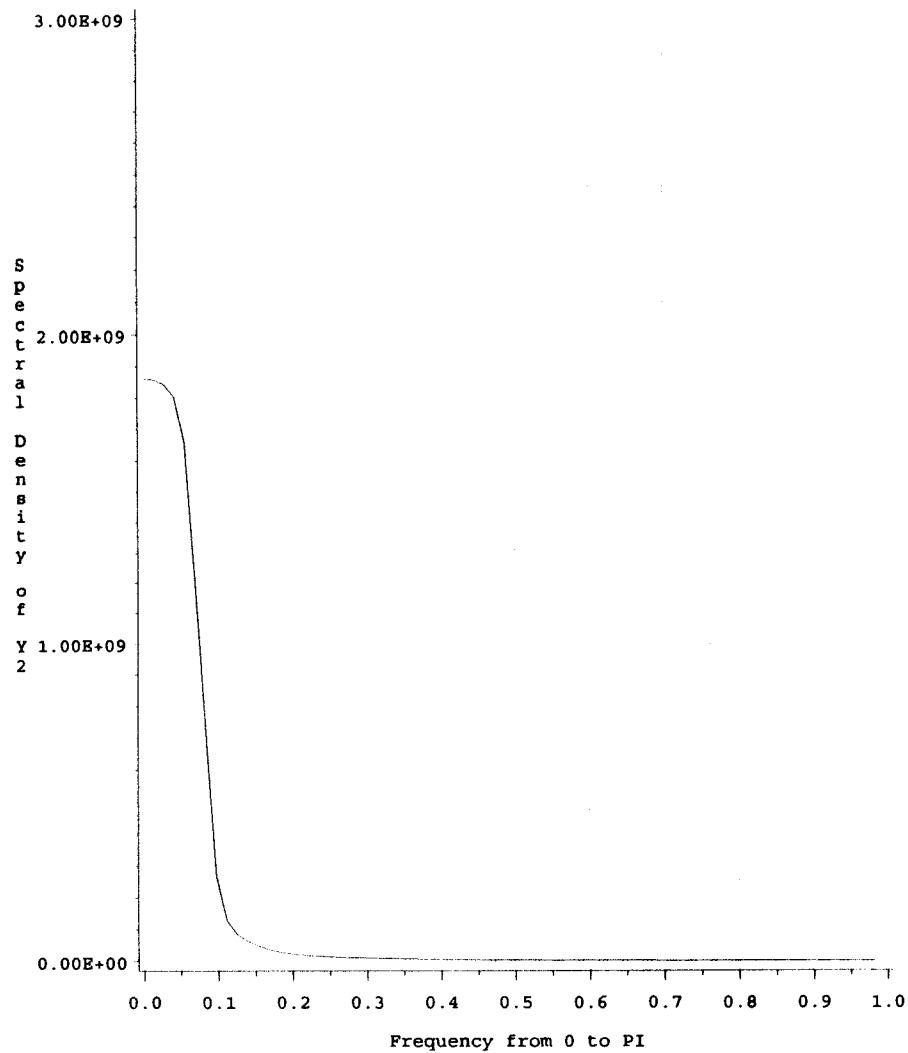
Population (Eng & Wales): 1541-1992  
Residual



ER. 48

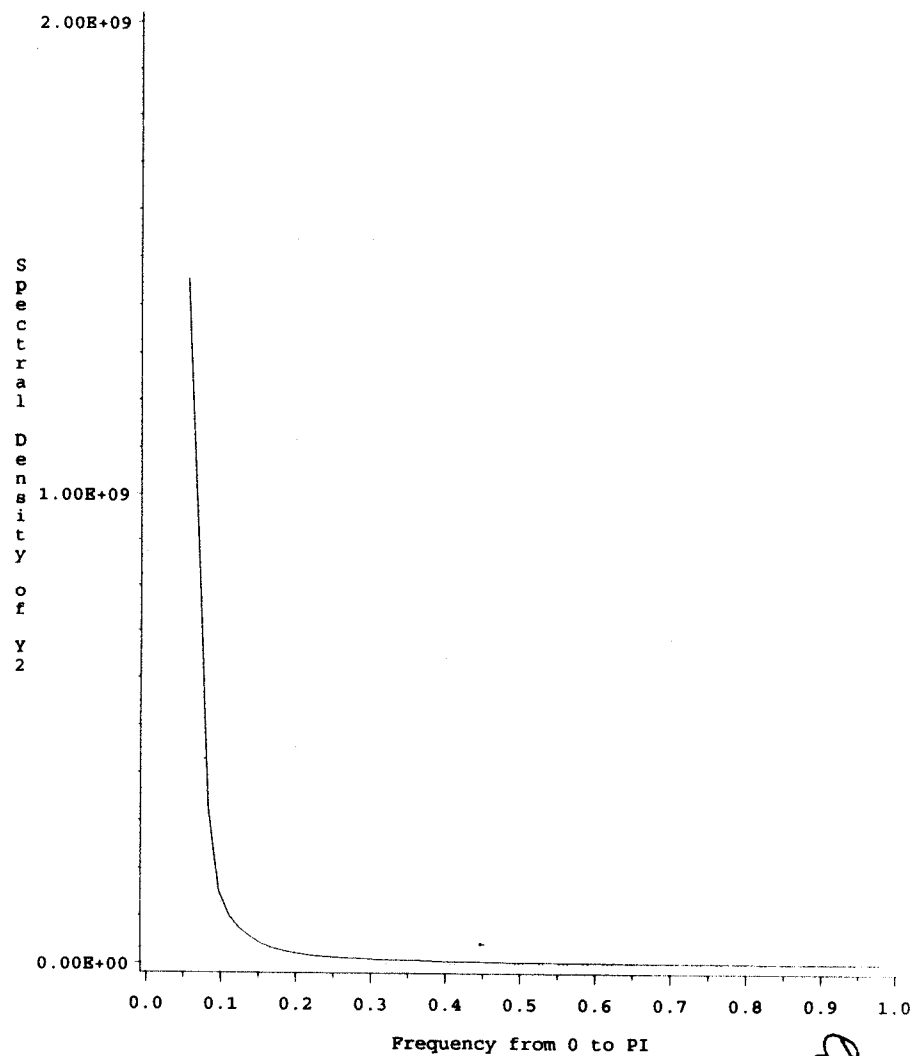
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 11 (Rec)  
Original Raw Data



Spectral Density Estimates:(Population 1541-1992)

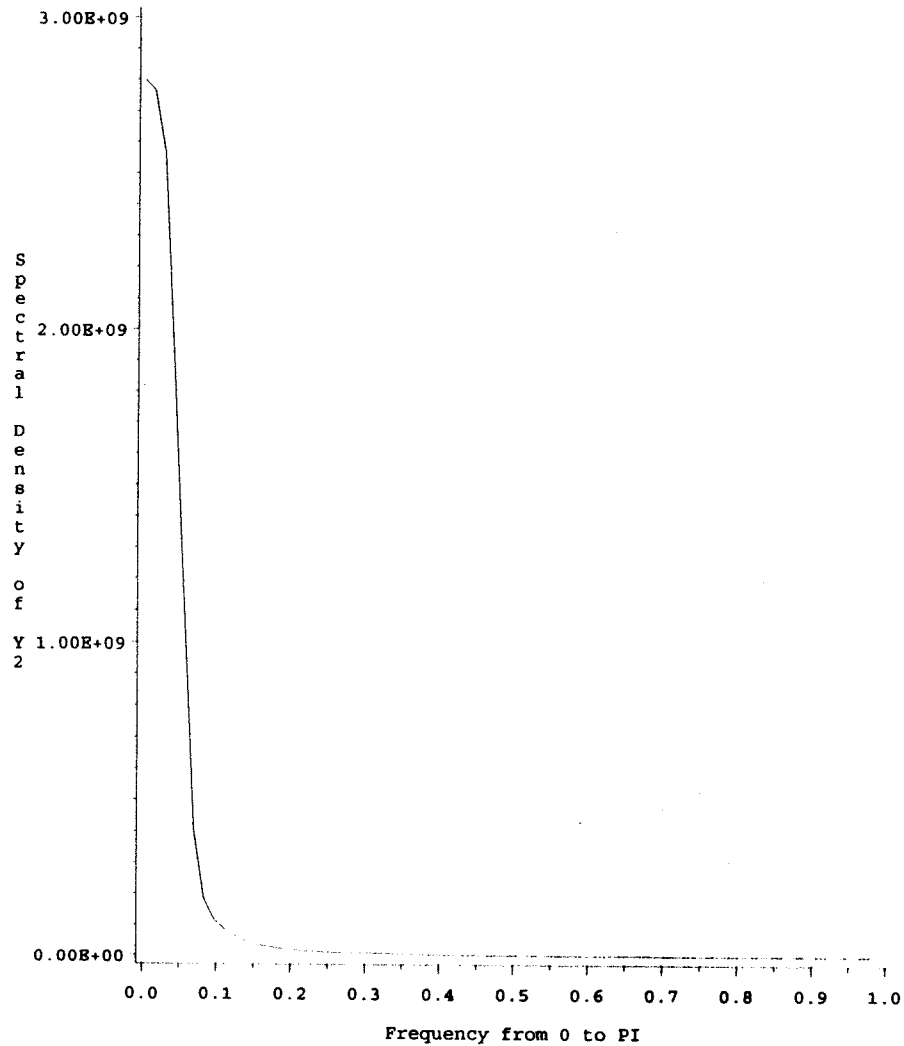
Spectral Window: 9 (Rec)  
Original Raw Data



GR.49

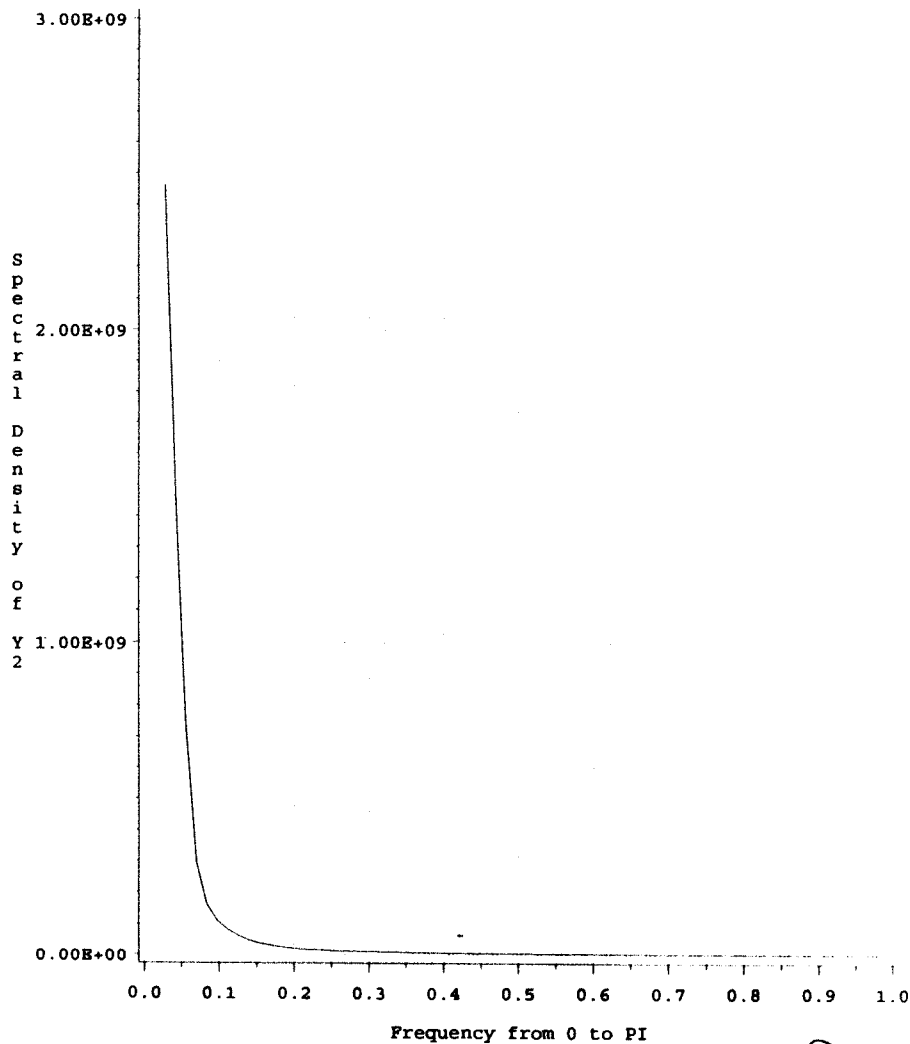
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Rec)  
Original Raw Data



Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Tri)  
Original Raw Data

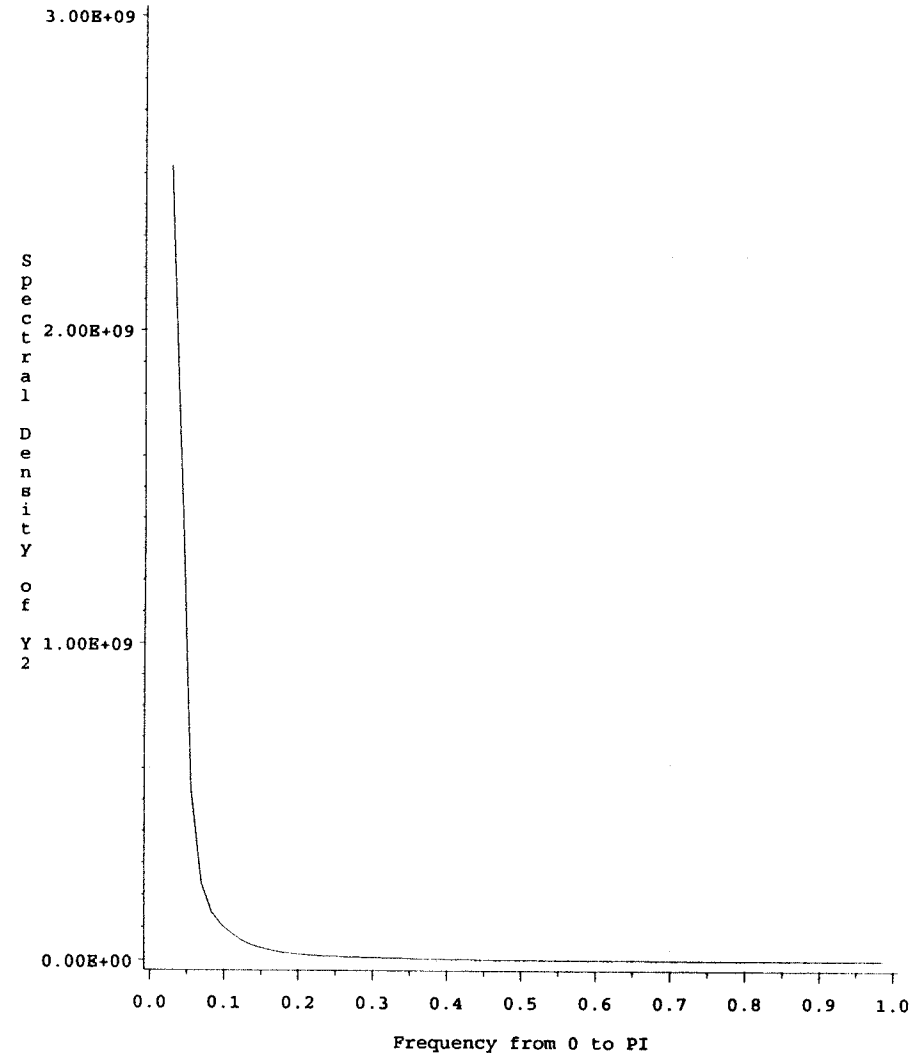


QR.50



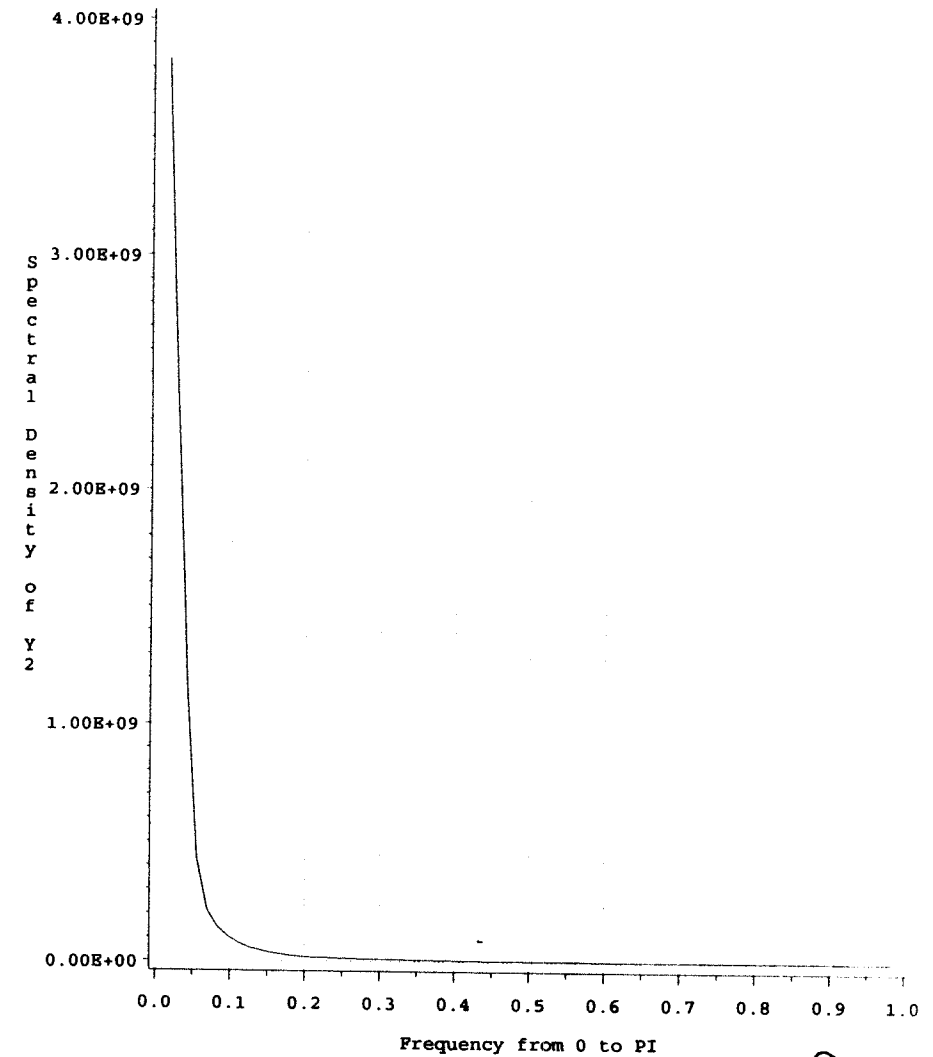
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Rec)  
Original Raw Data



Spectral Density Estimates:(Population 1541-1992)

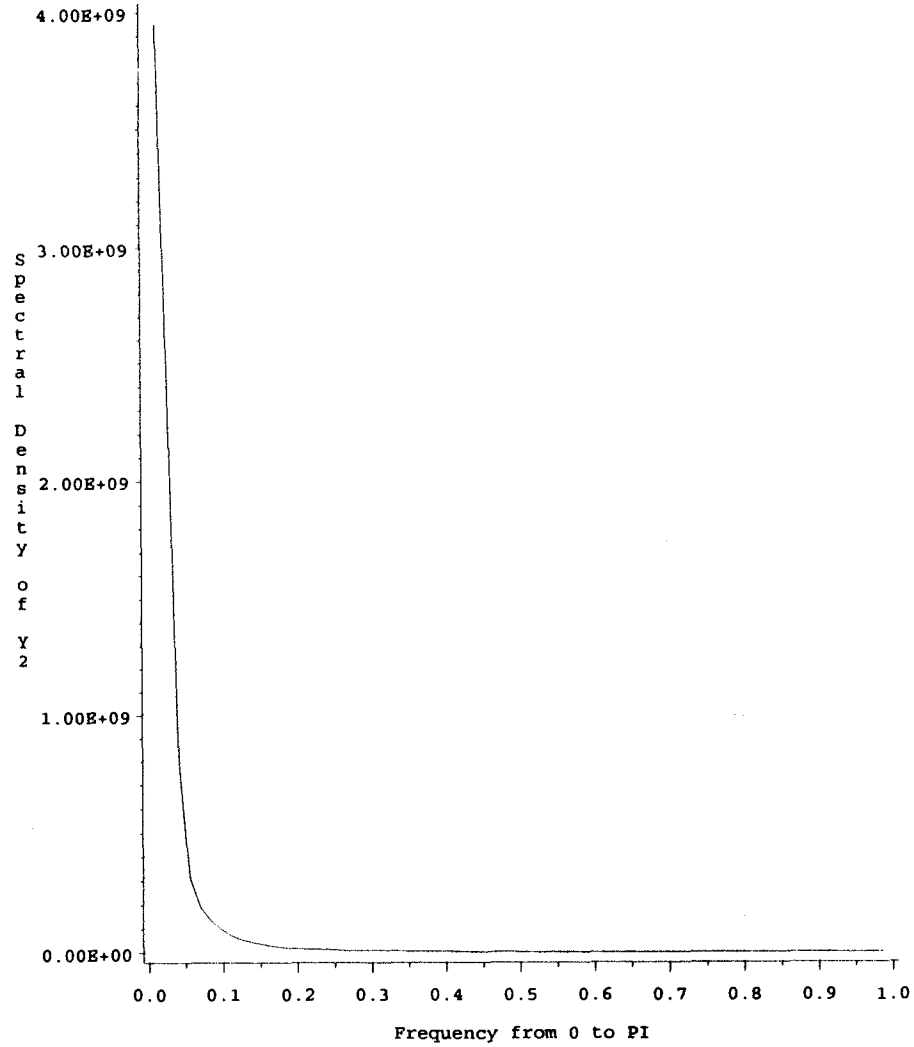
Spectral Window: 5 (Tri)  
Original Raw Data



GR.S1

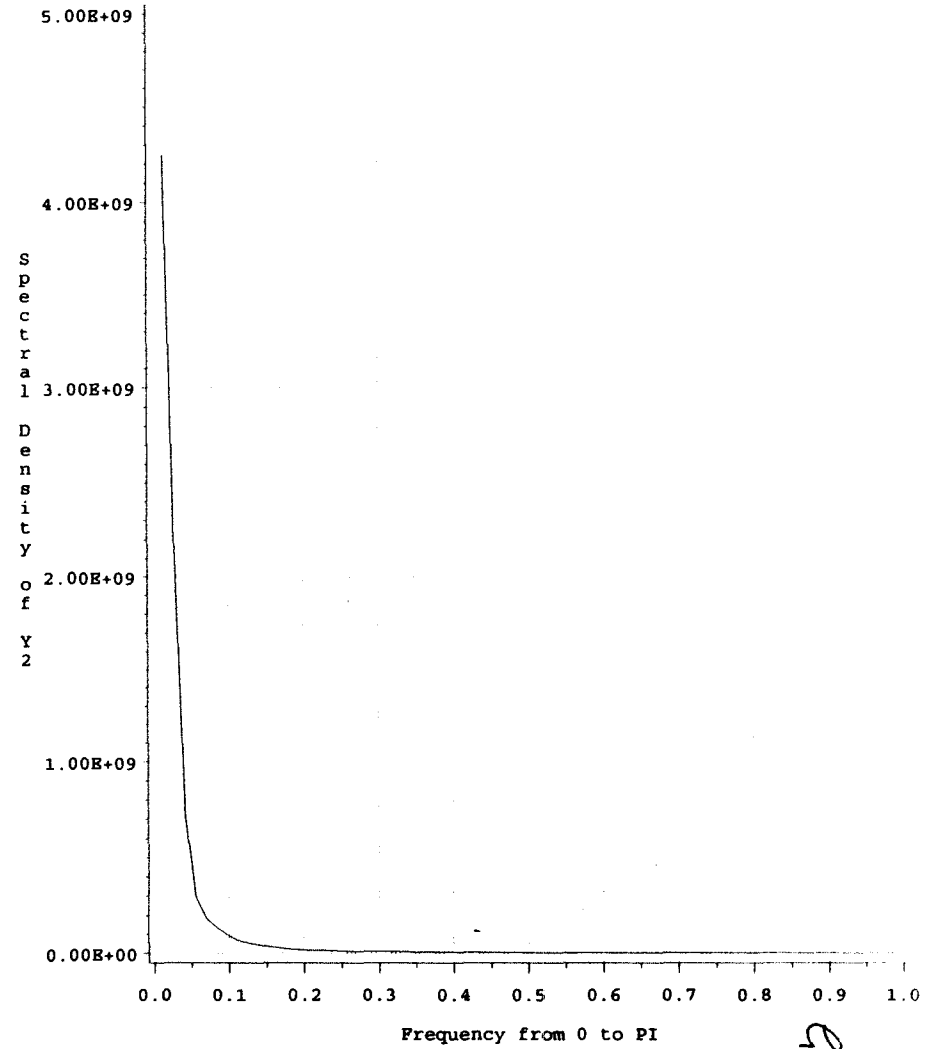
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Rec)  
Original Raw Data



Spectral Density Estimates:(Population 1541-1992)

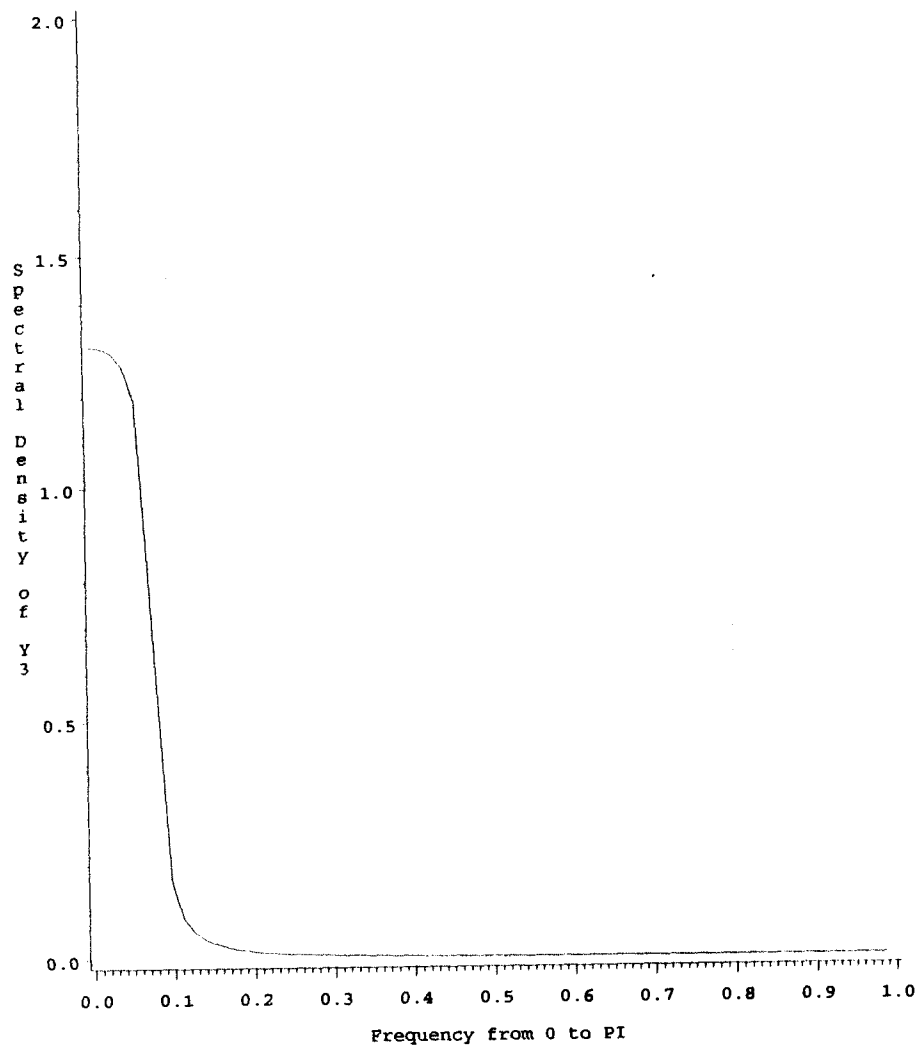
Spectral Window: 3 (Tri)  
Original Raw Data



ER.52

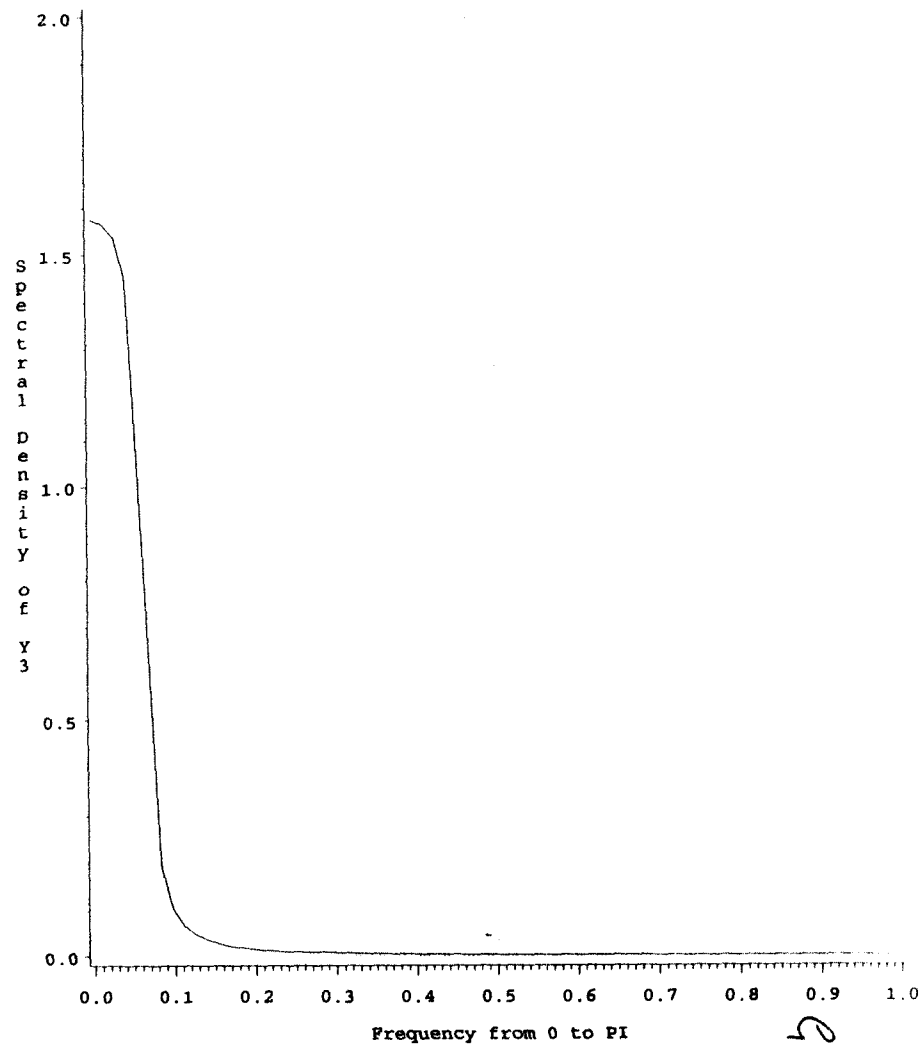
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 11 (Rec)  
Log of Data



Spectral Density Estimates:(Population 1541-1992)

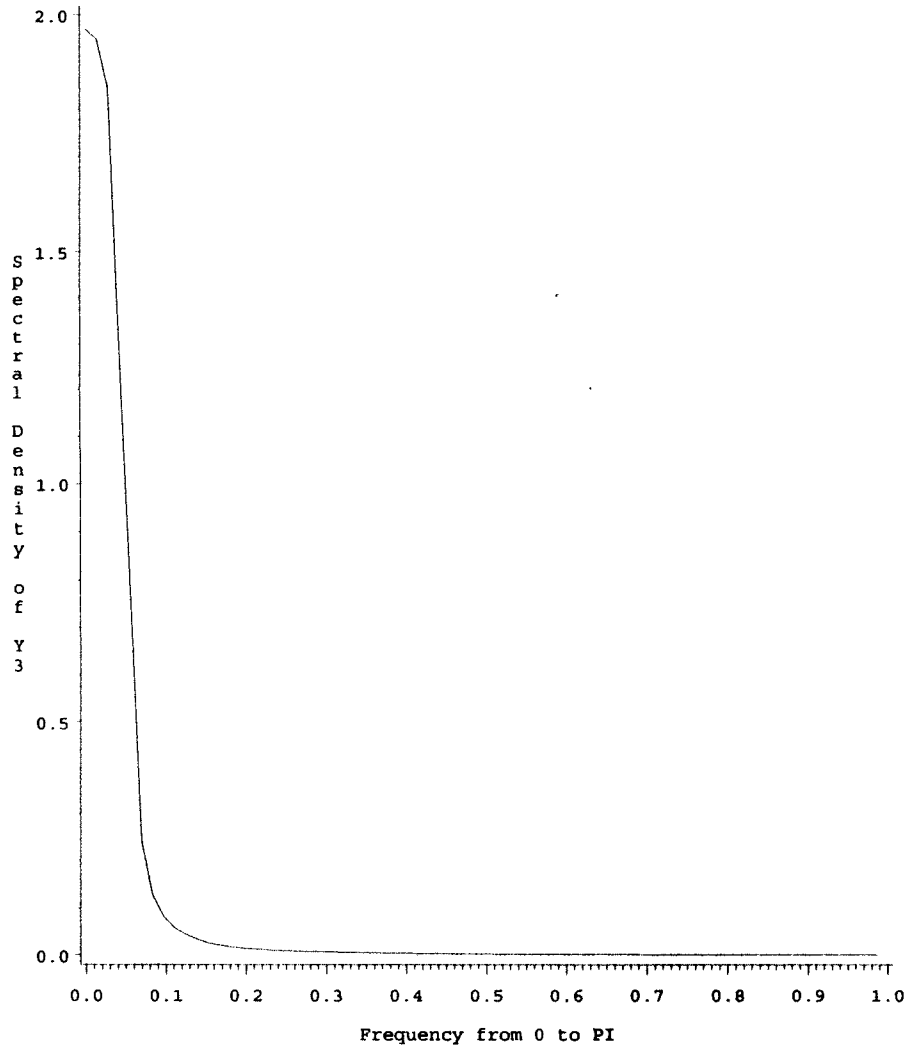
Spectral Window: 9 (Rec)  
Log of Data



QR.53

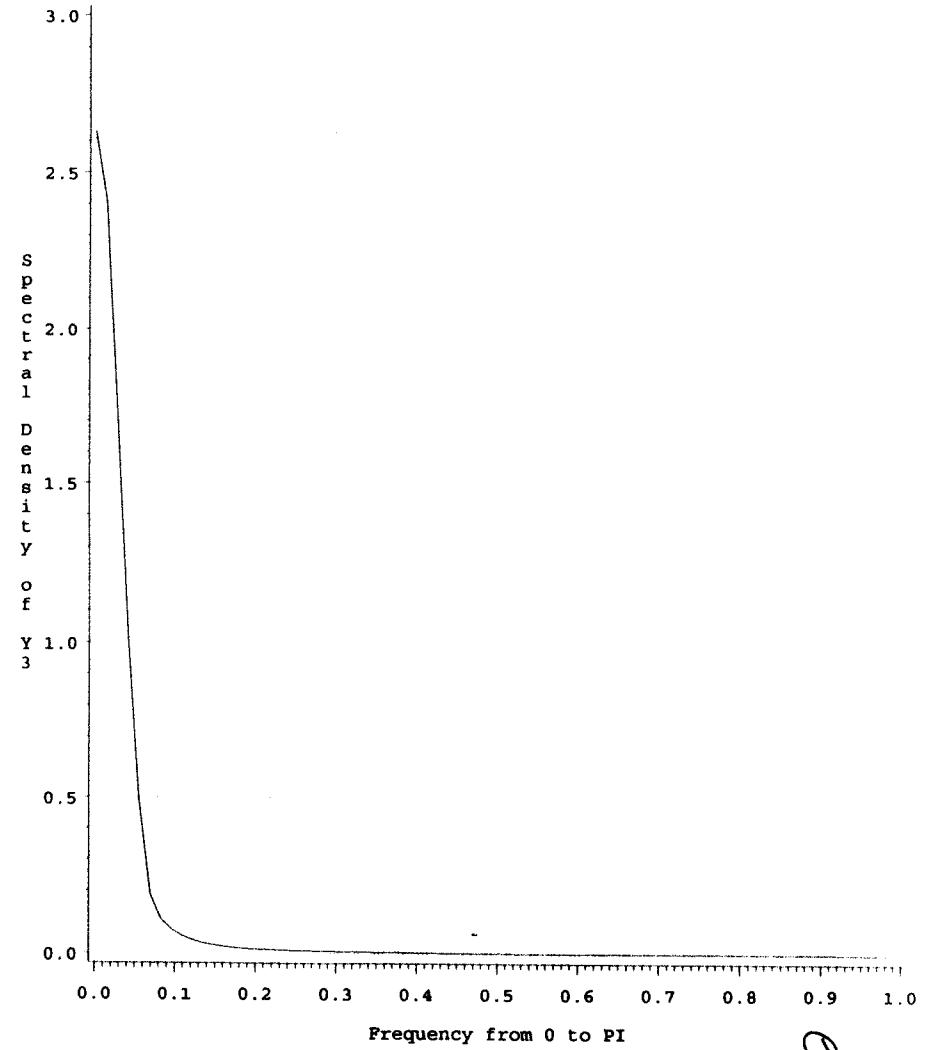
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Rec)  
Log of Data



Spectral Density Estimates:(Population 1541-1992)

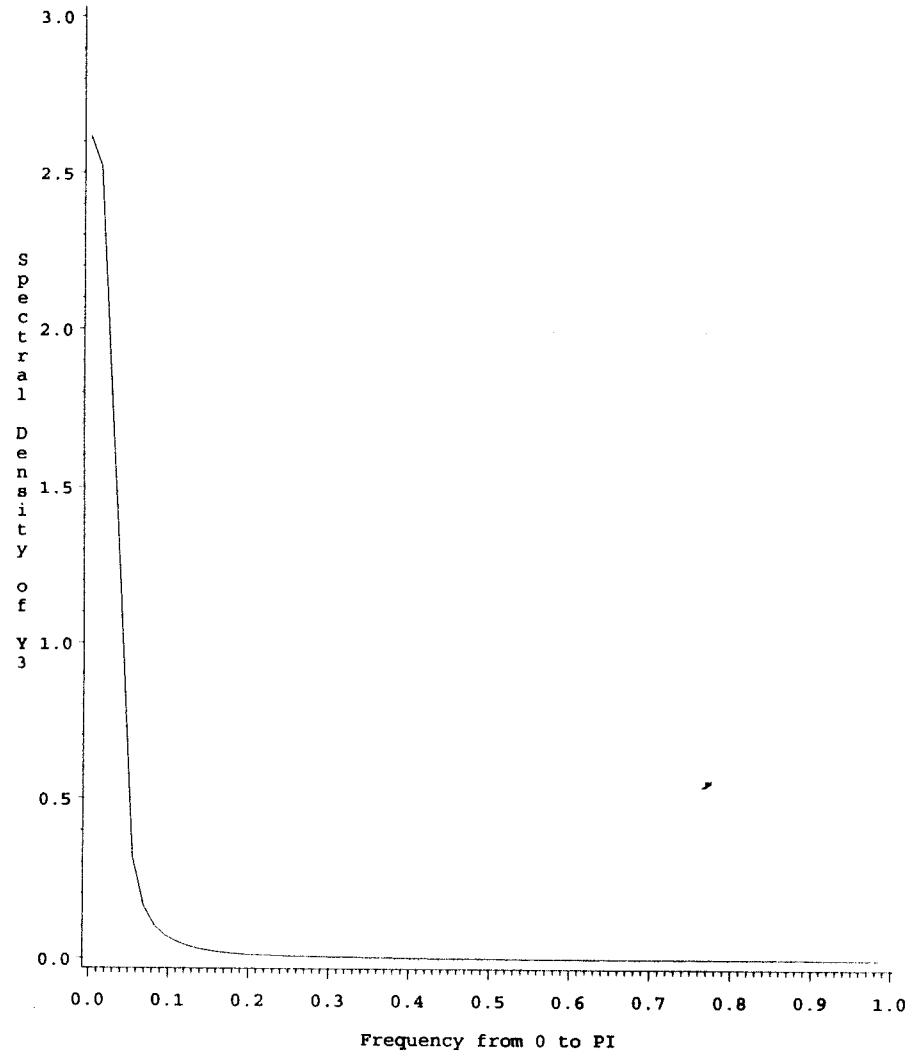
Spectral Window: 7 (Tri)  
Log of Data



GR.54

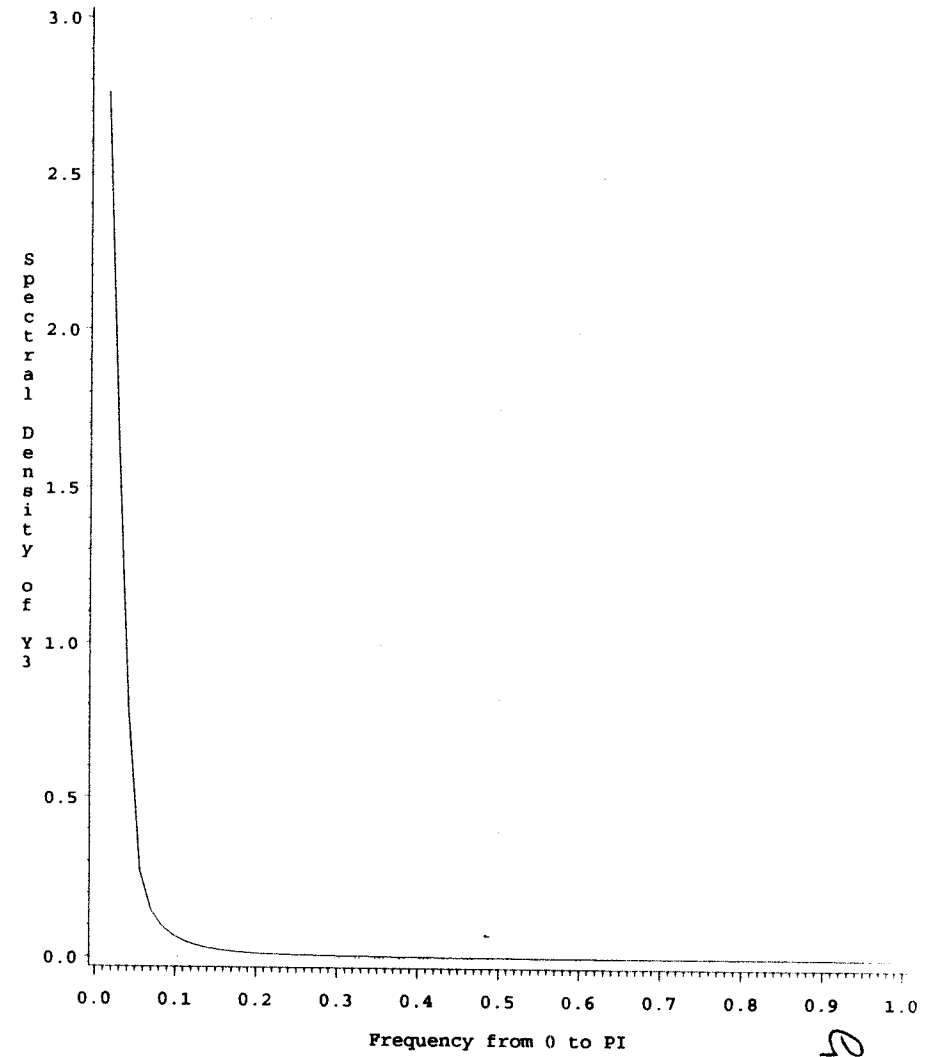
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Rec)  
Log of Data



Spectral Density Estimates:(Population 1541-1992)

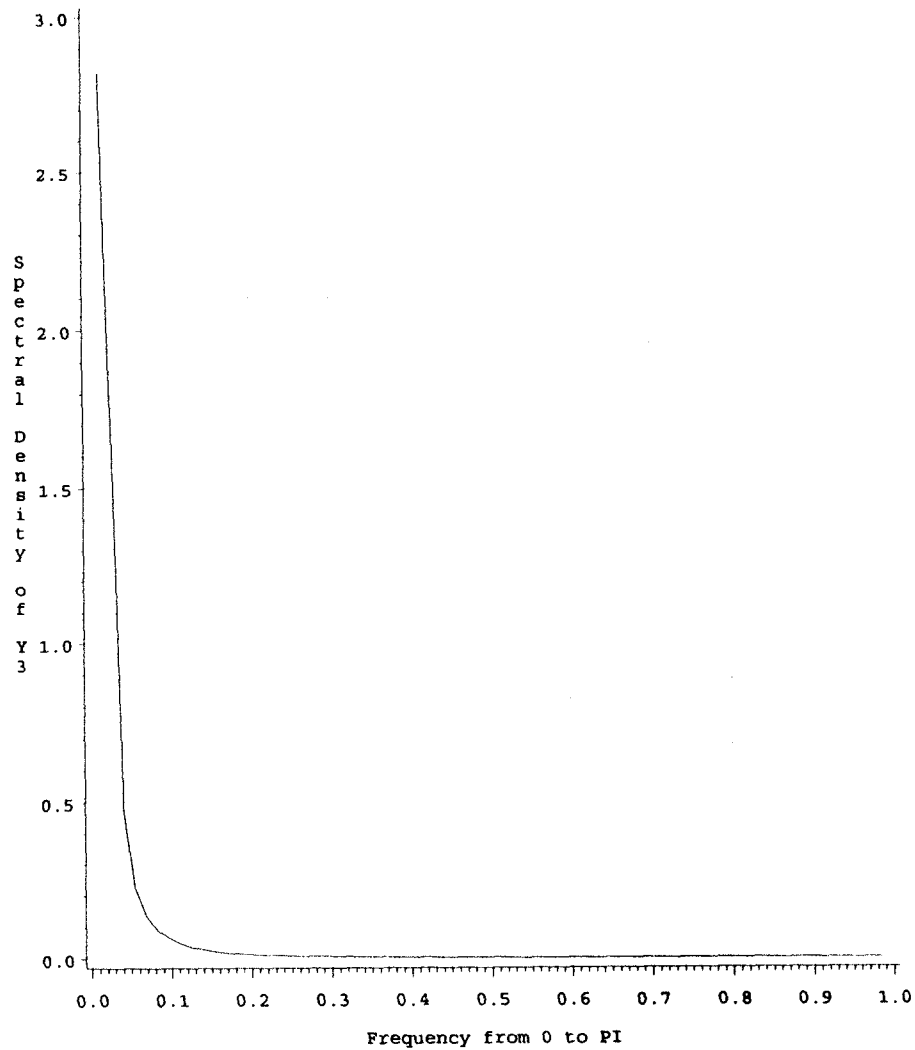
Spectral Window: 5 (Tri)  
Log of Data



QR.55

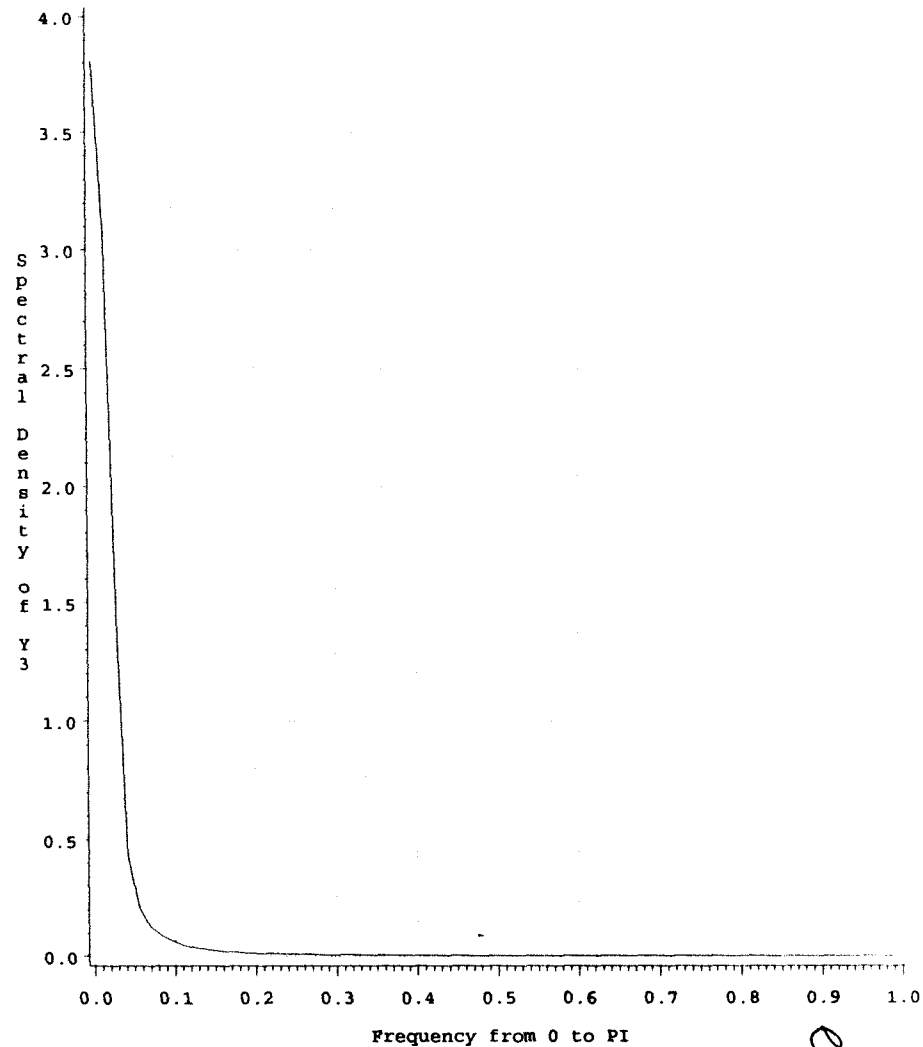
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Rec)  
Log of Data



Spectral Density Estimates:(Population 1541-1992)

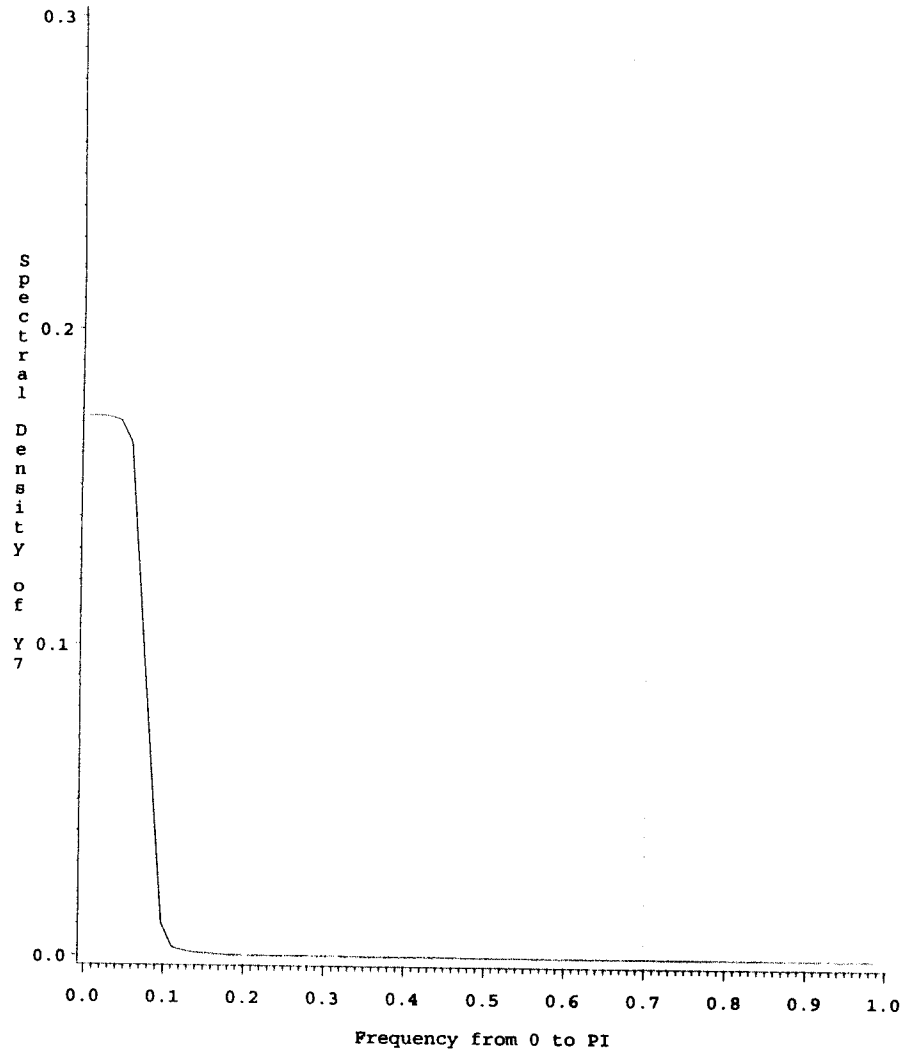
Spectral Window: 3 (Tri)  
Log of Data



ER.56

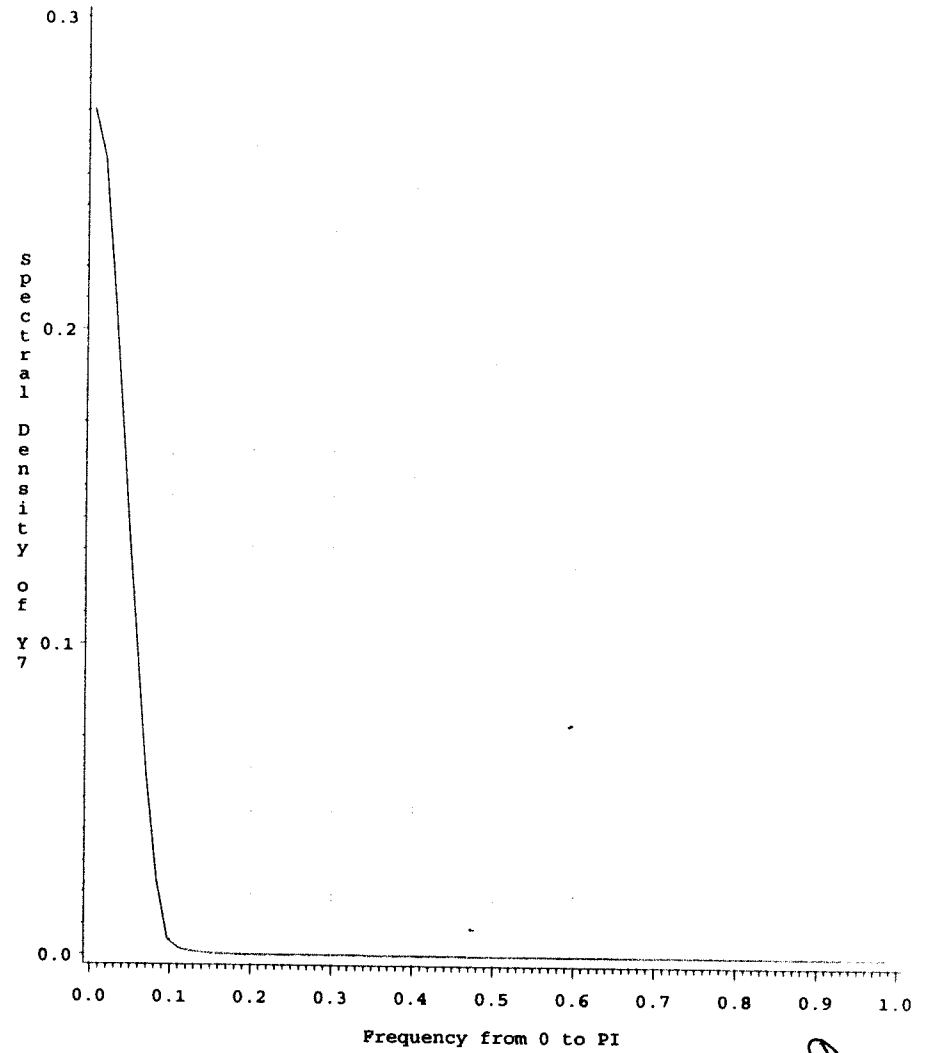
Spectral Density Estimates:(Population 1541 -1992)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541 -1992)

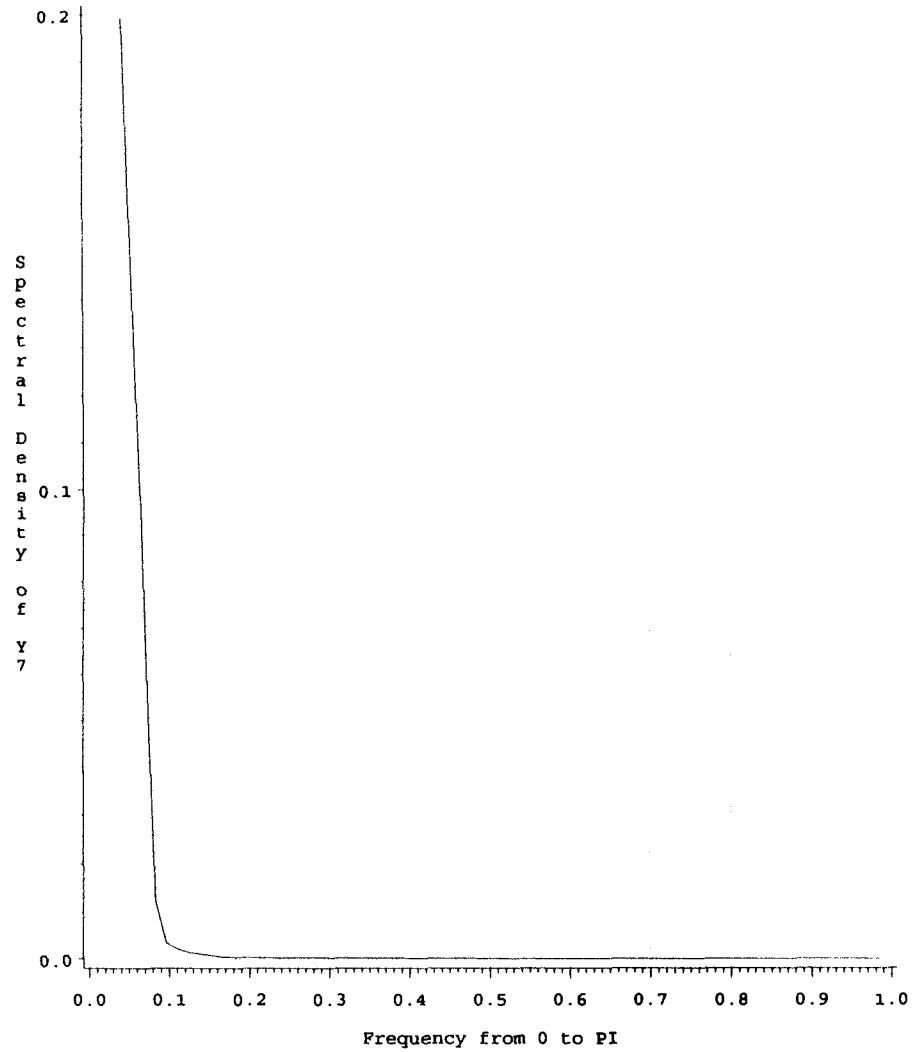
Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.57

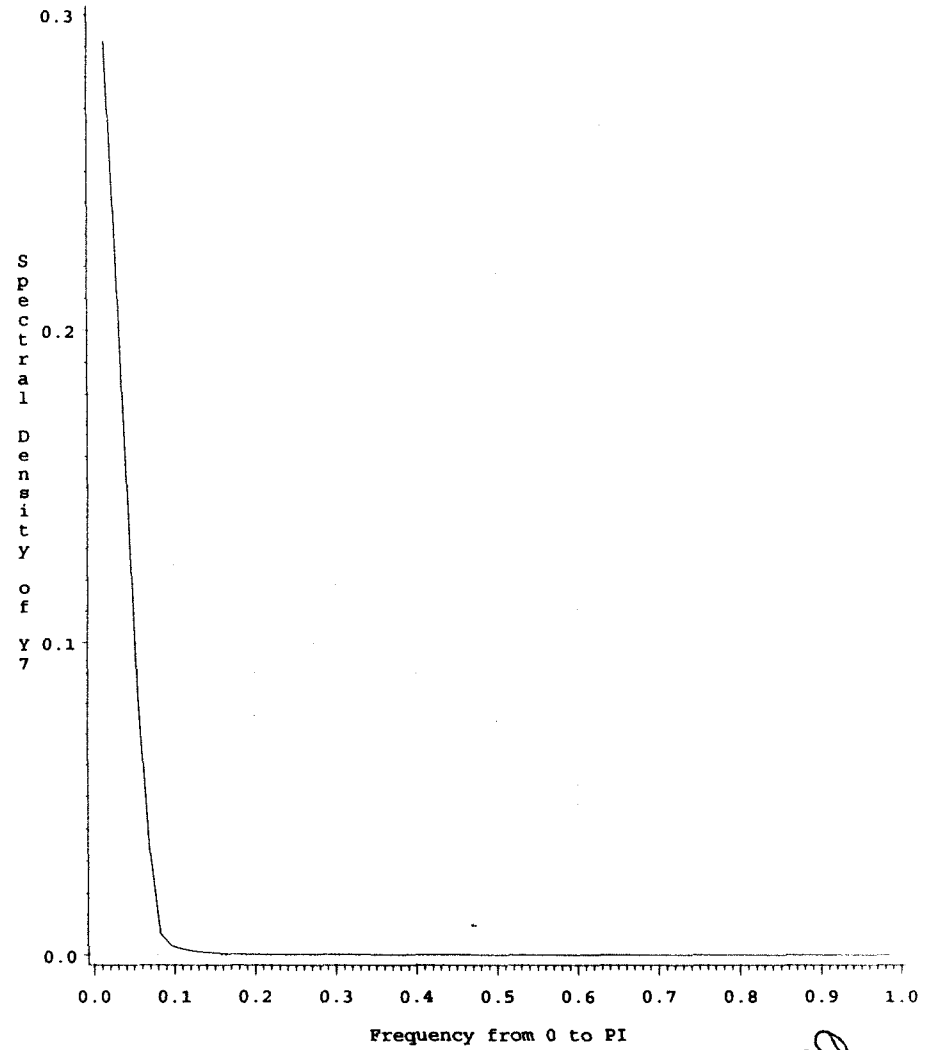
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual

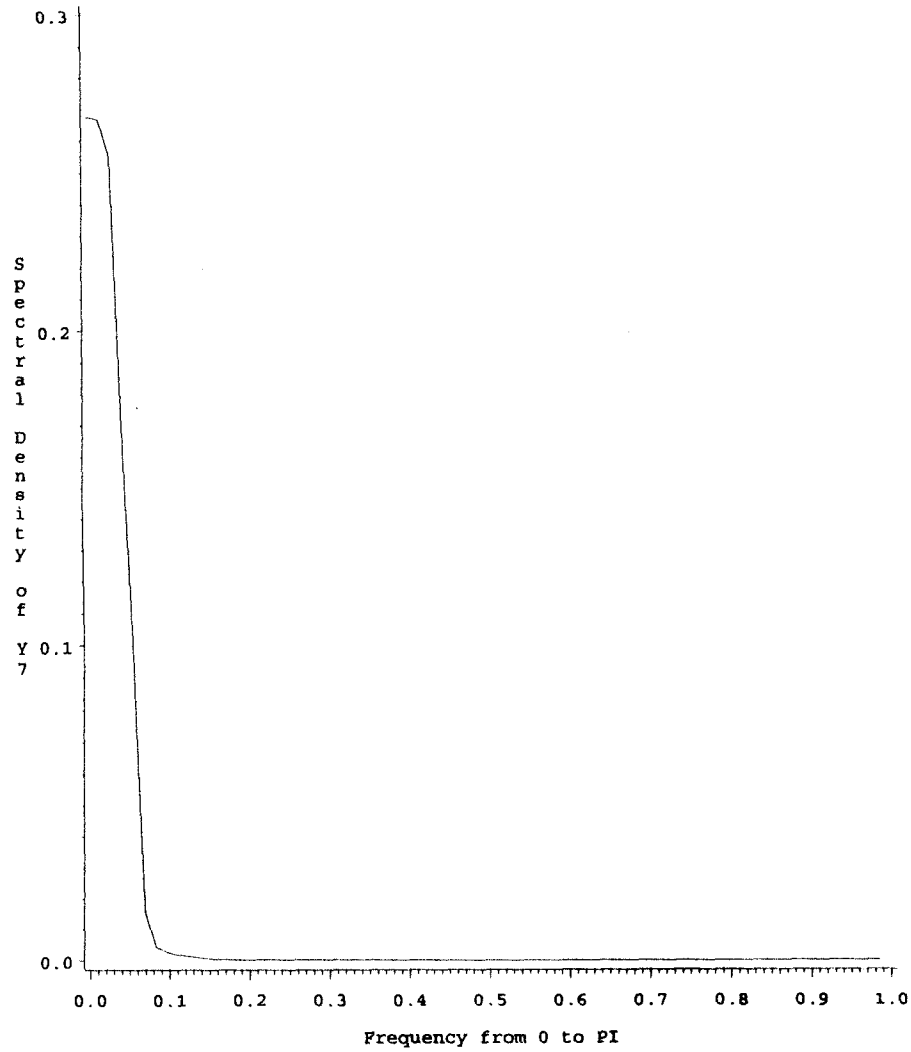


ER.58



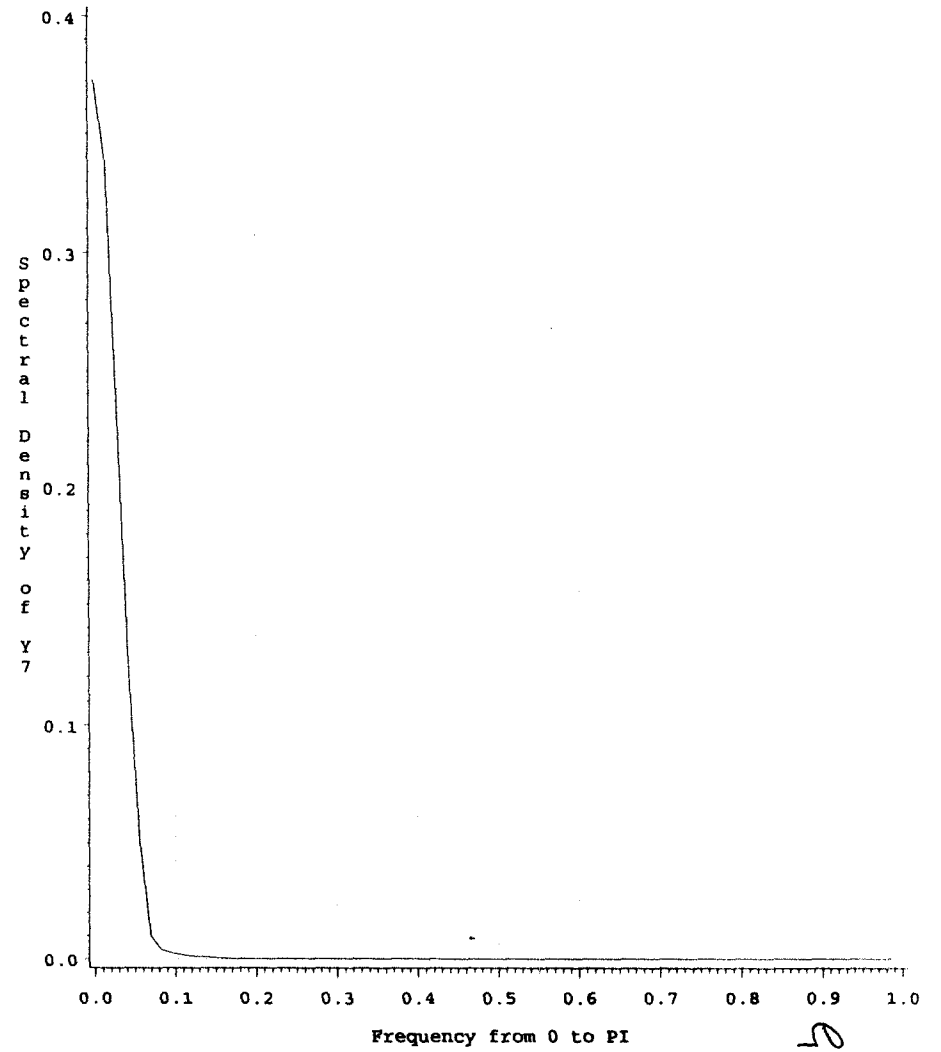
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541-1992)

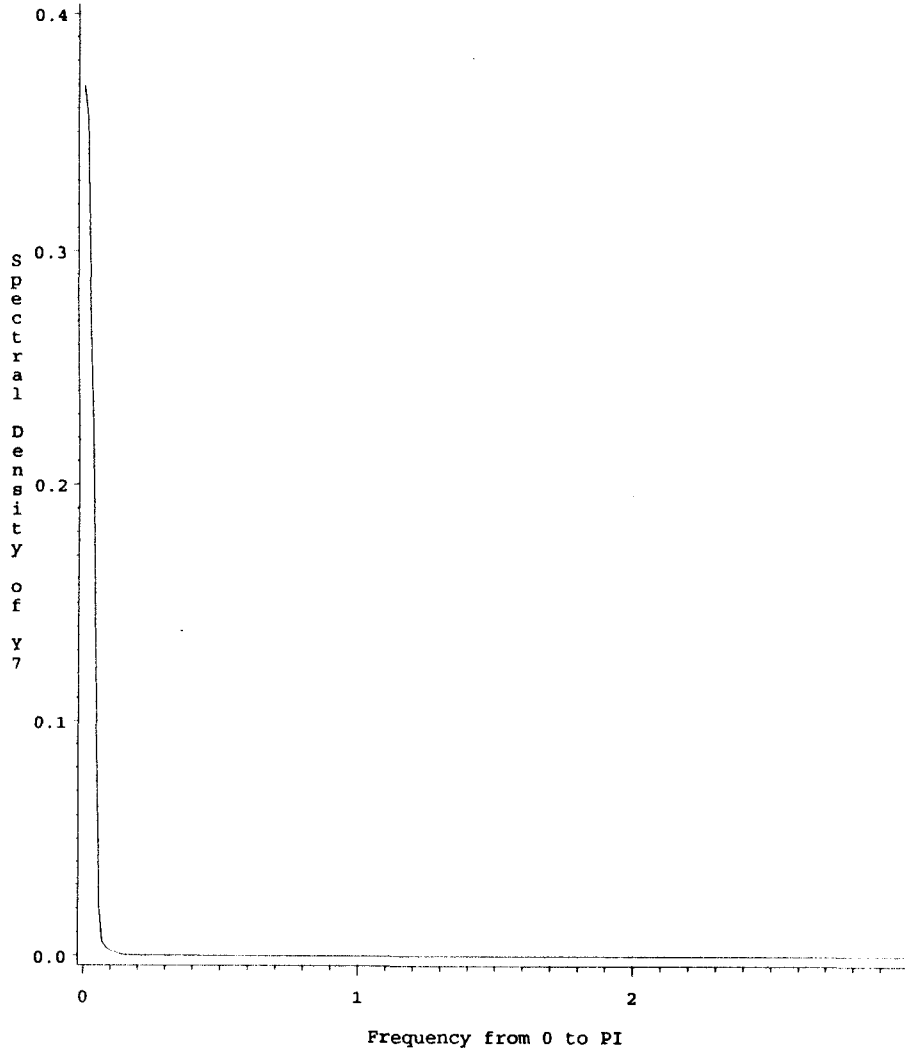
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



PR.59

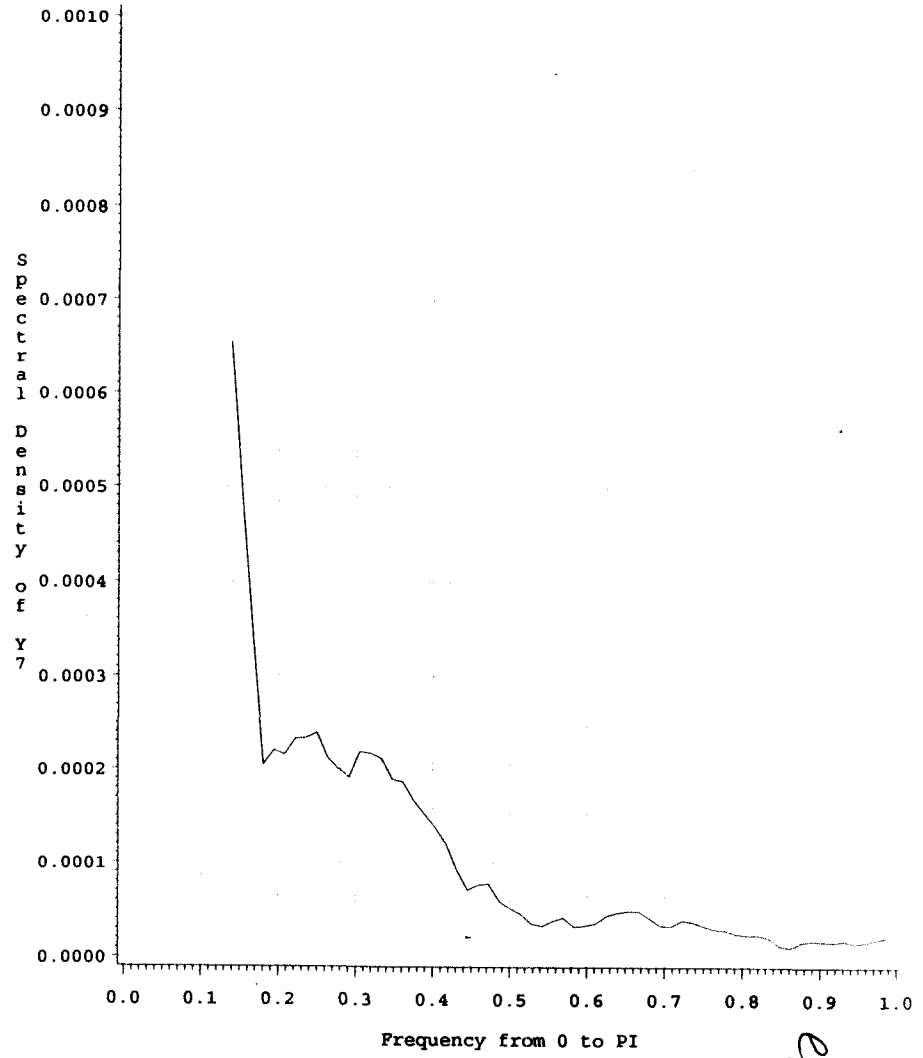
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541-1992)

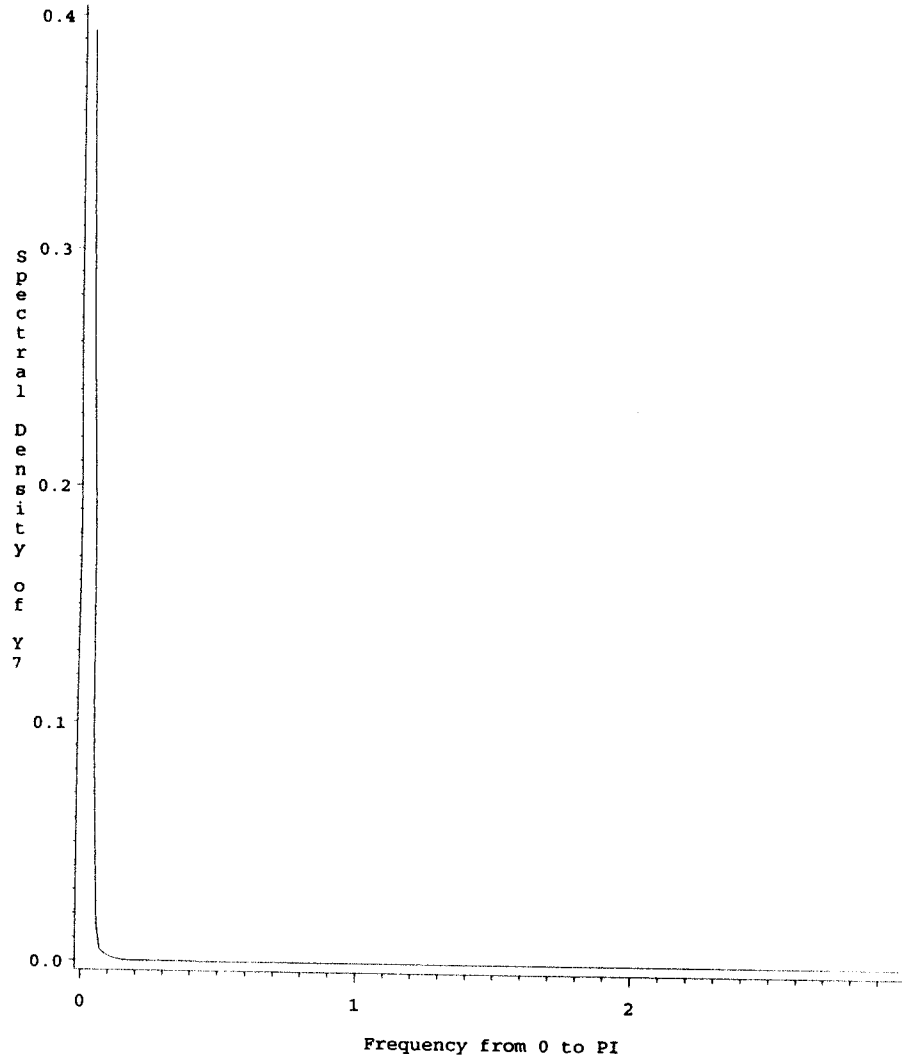
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER.60

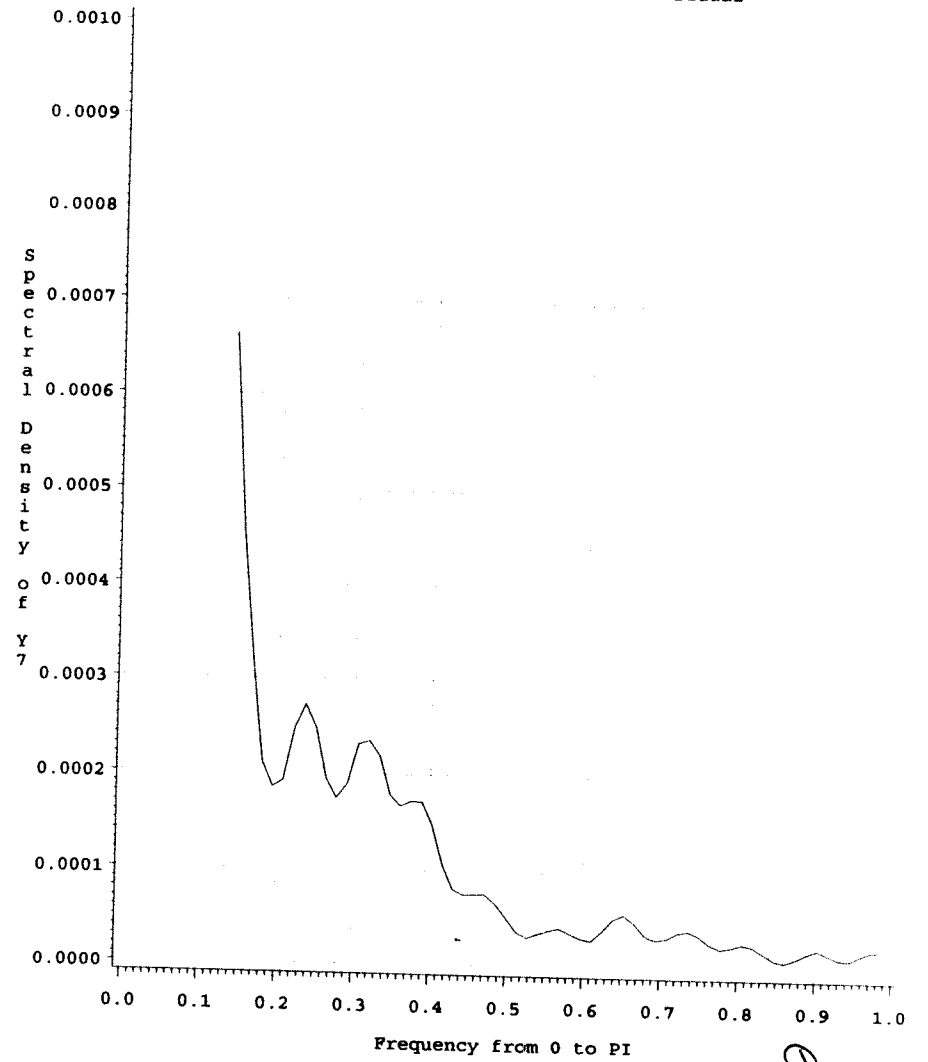
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541-1992)

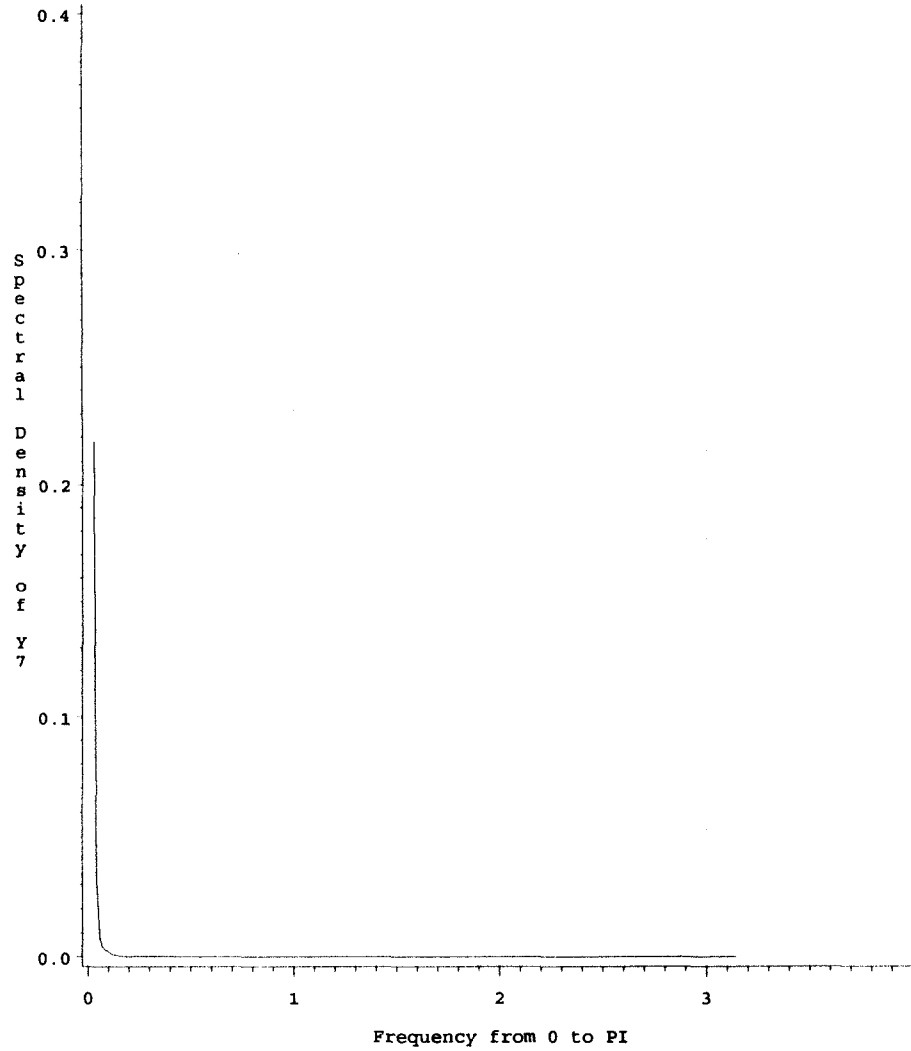
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.61

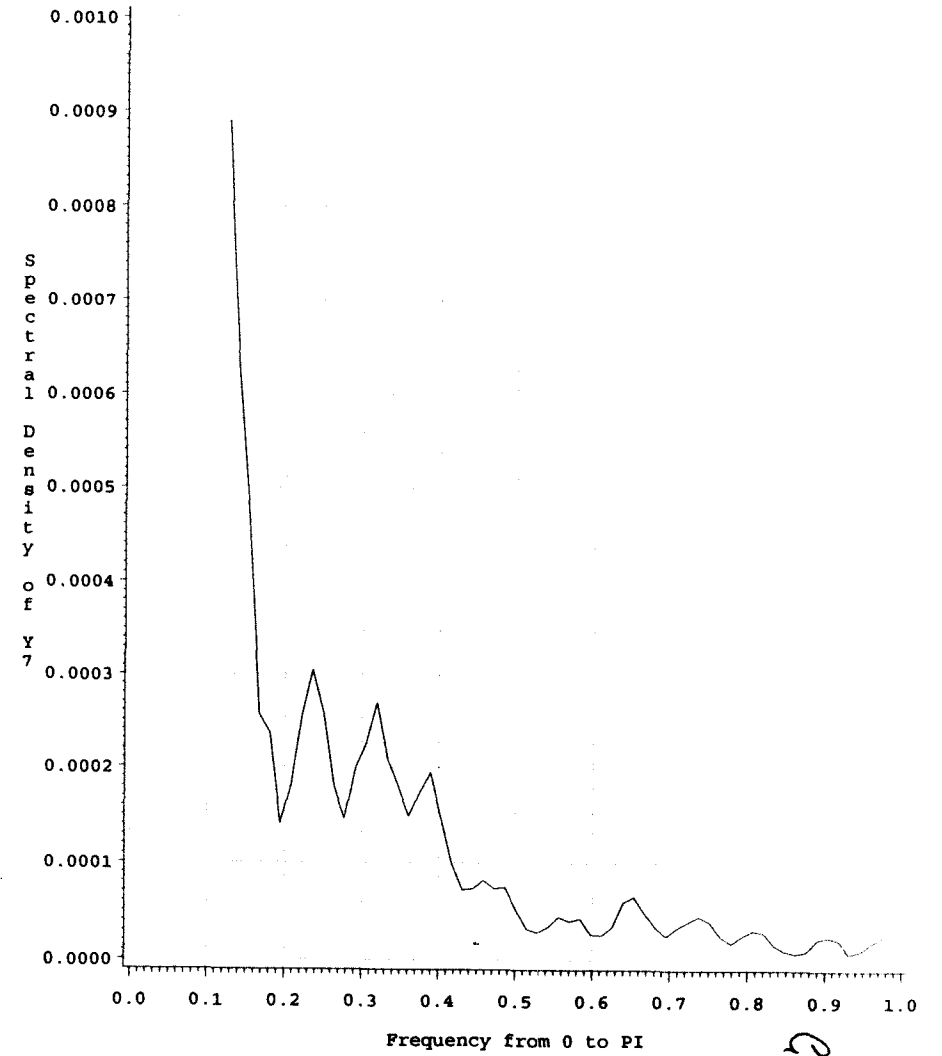
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Population 1541-1992)

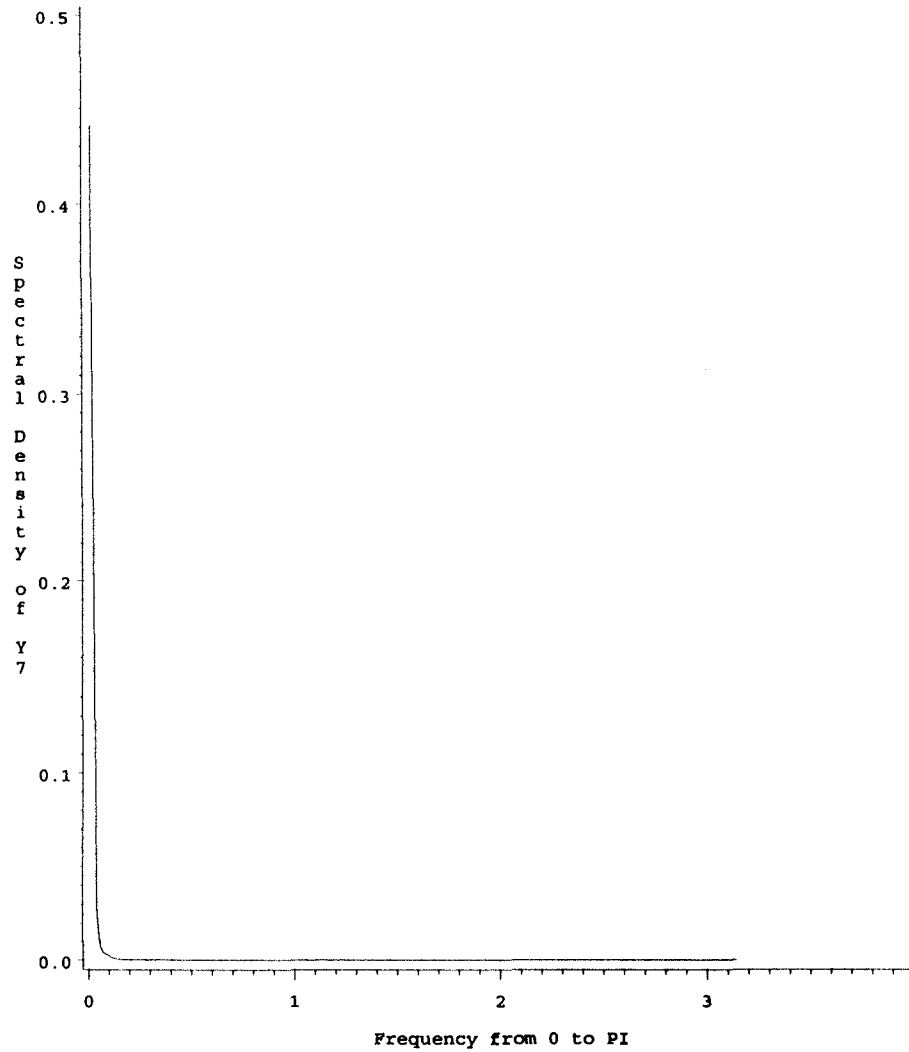
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



QR.62

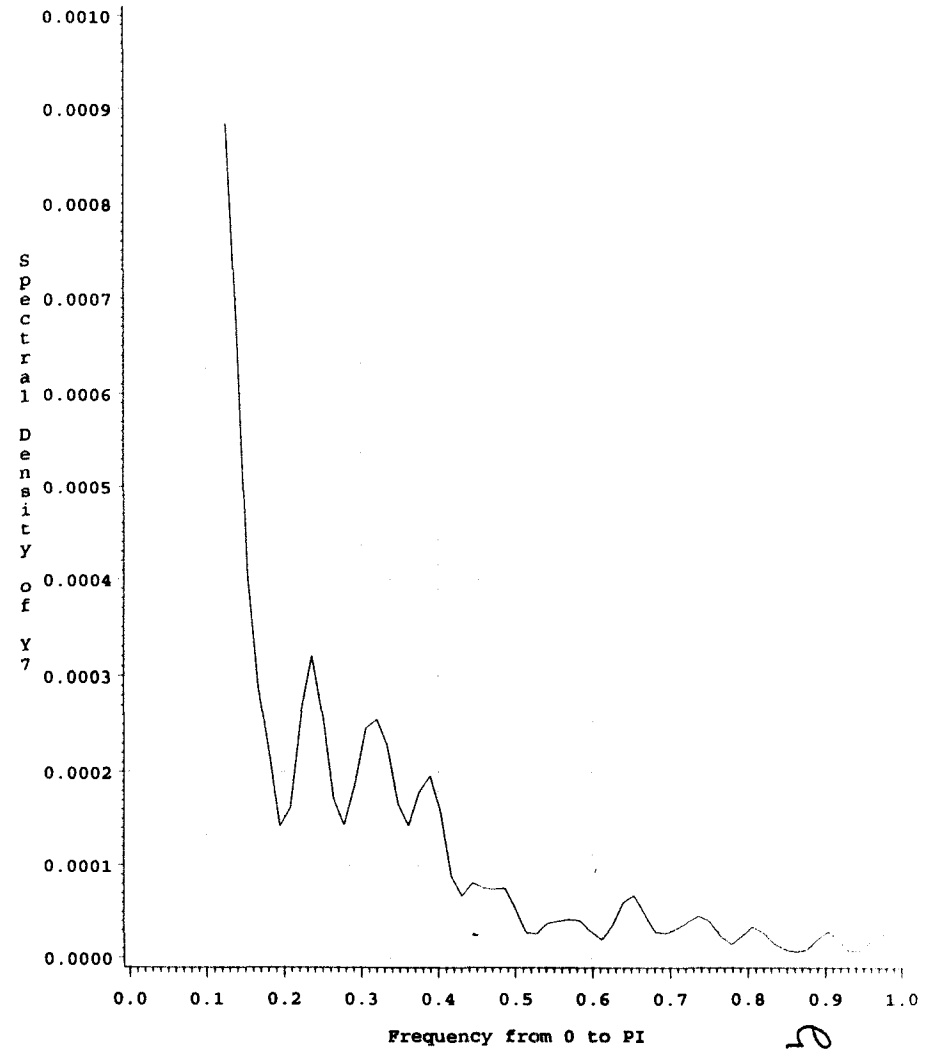
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



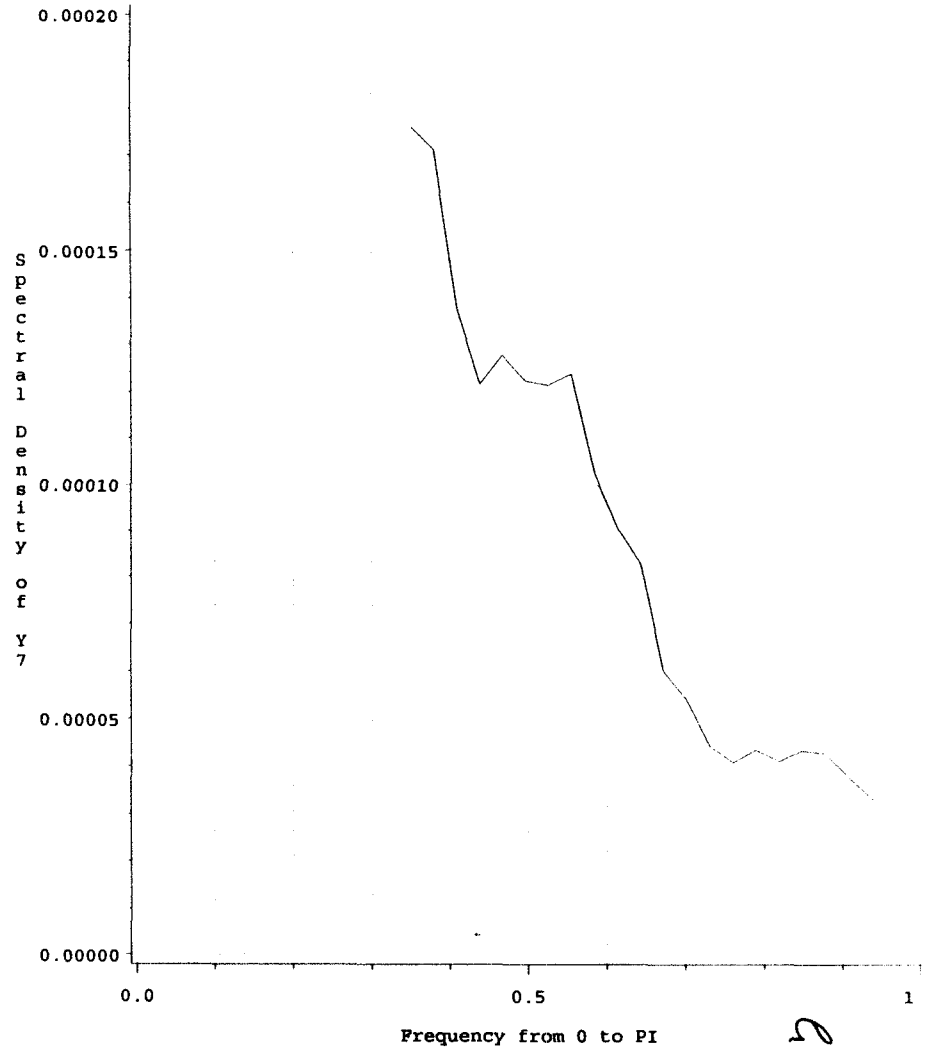
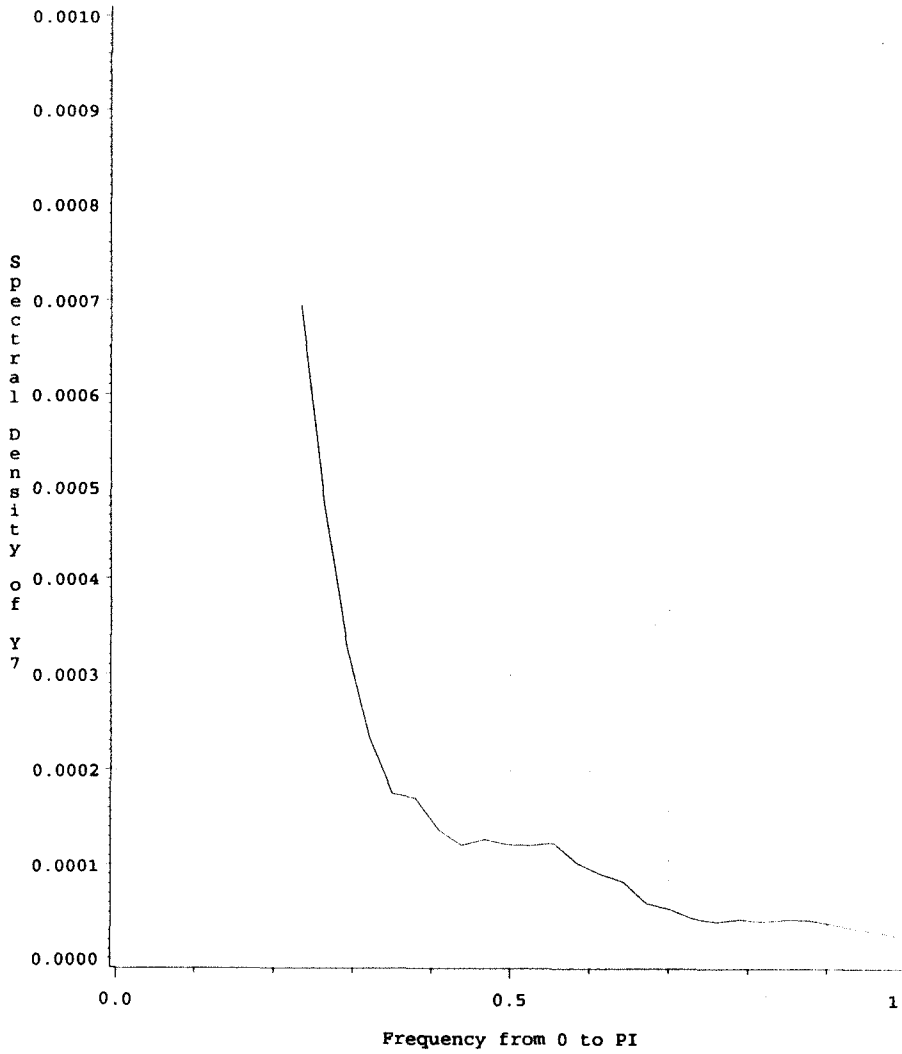
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



PK.63

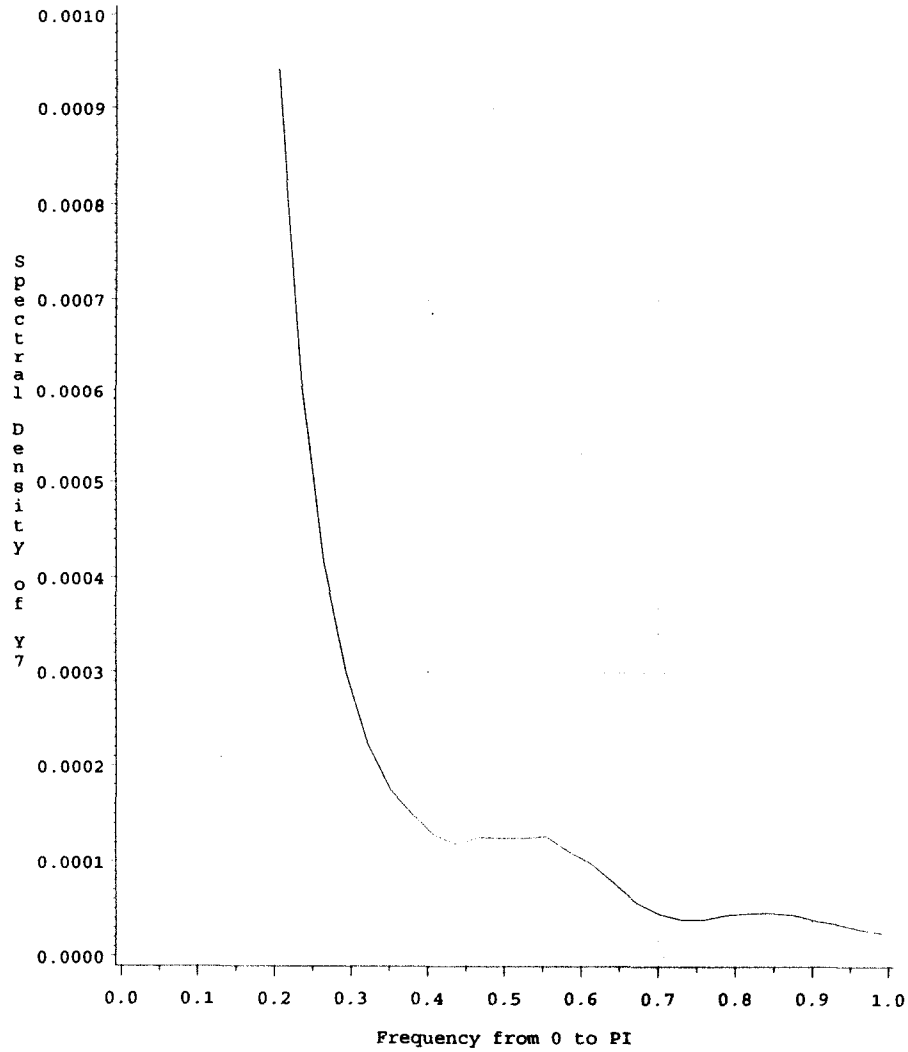
Spectral Density Estimates:(Subset1: Popn 1541-1775); Spectral Density Estimates:(Subset1: Popn 1541-1775);  
Spectral Window: 7 (Rec) Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual Basic (Homoscedastic Approxm) Model:Residual



GR.64

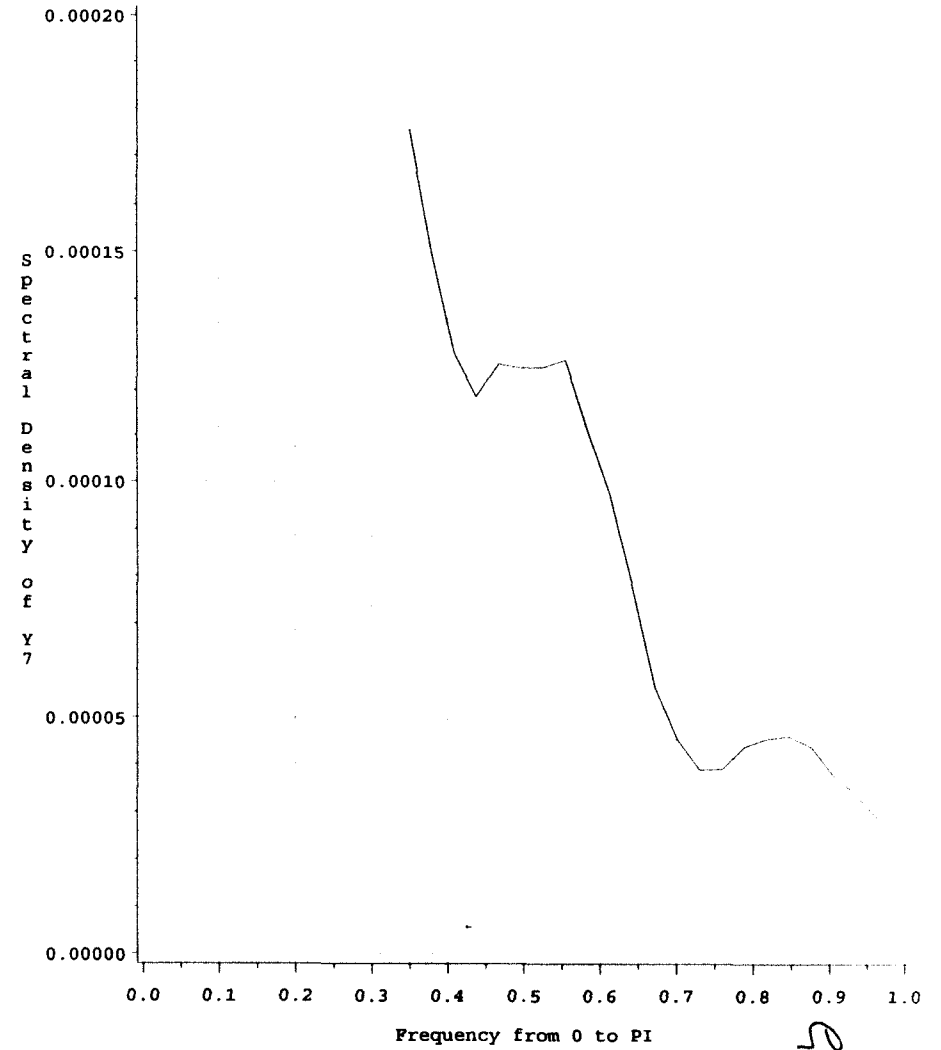
Spectral Density Estimates:(Subset 1: Popn 1541-1775)

Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset 1: Popn 1541-1775)

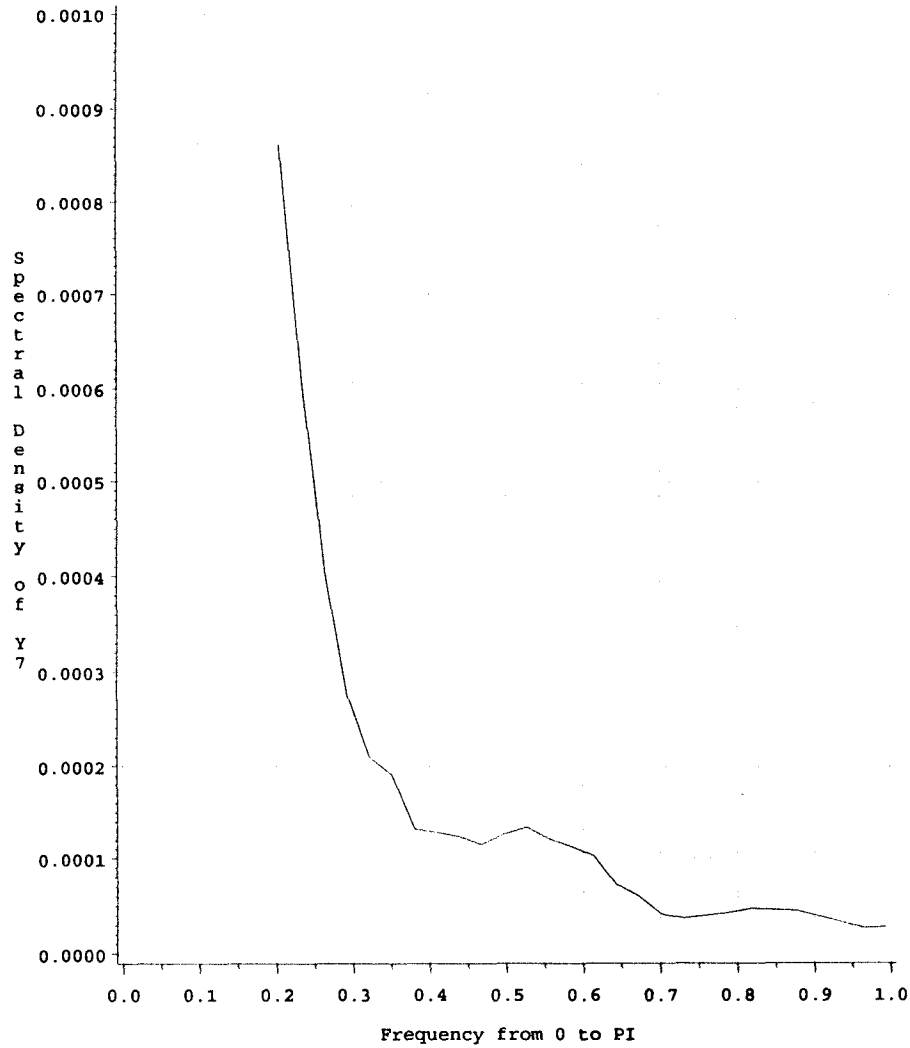
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



PR.65

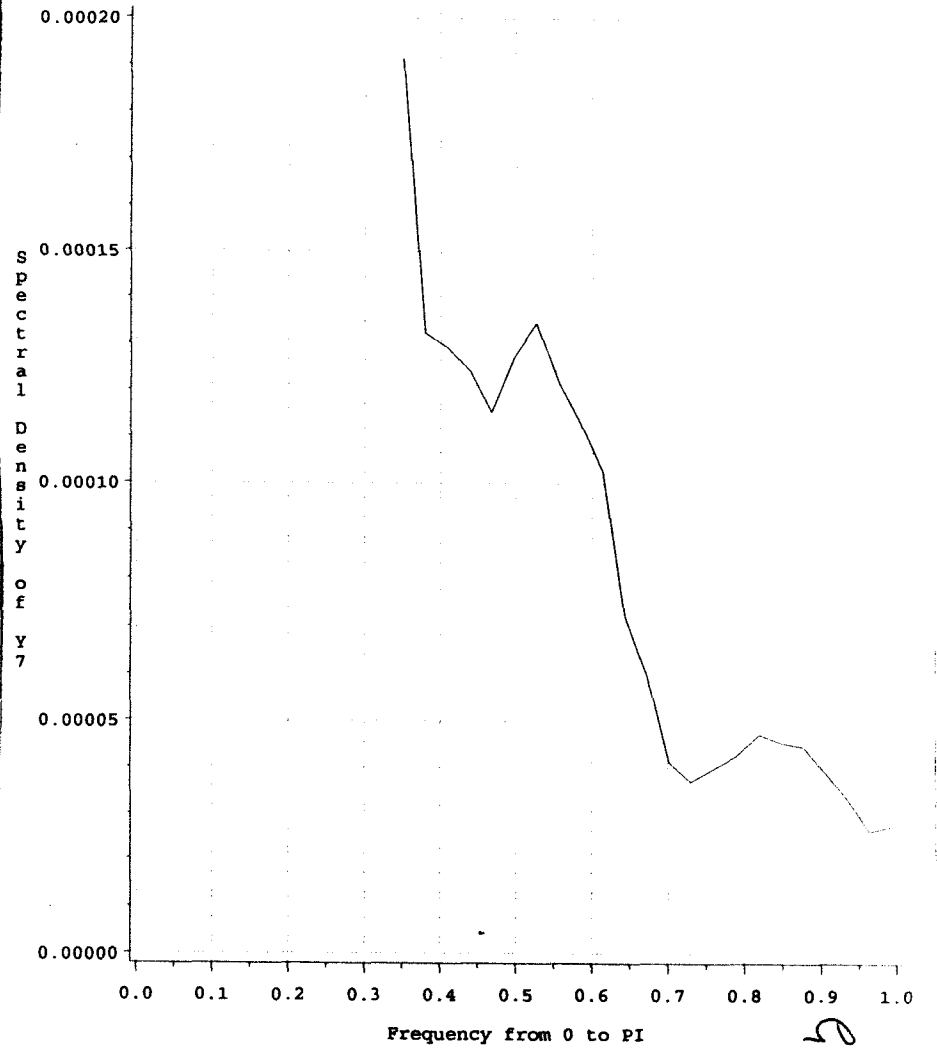
Spectral Density Estimates:(Subset1: Popn 1541-1775)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: Popn 1541-1775)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual

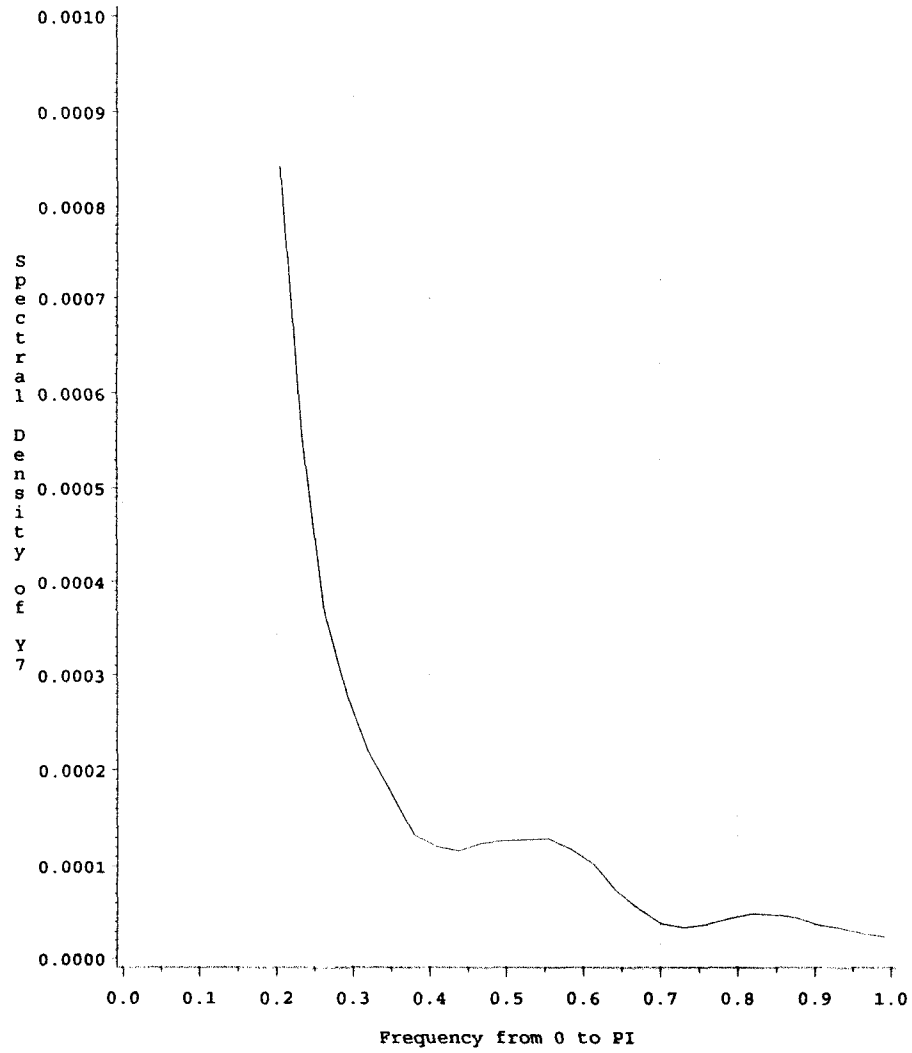


GR.66



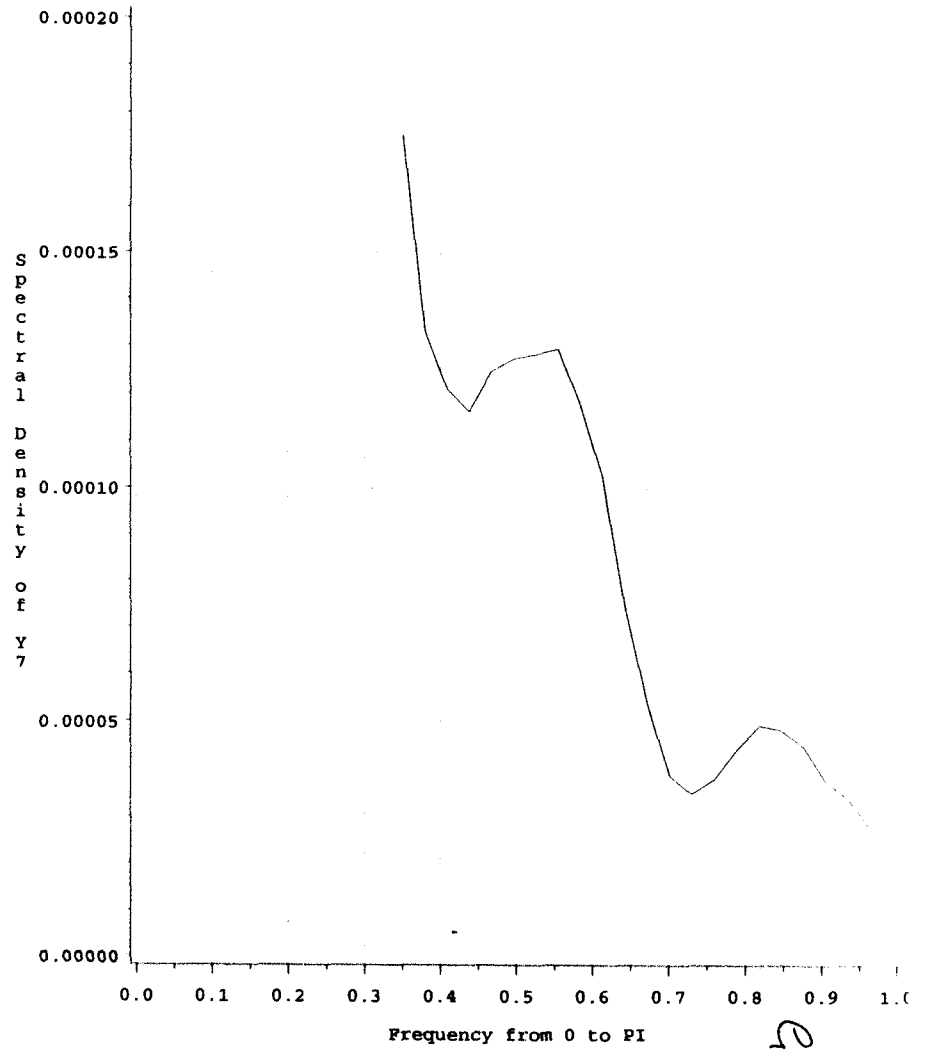
Spectral Density Estimates:(Subset1: Popn 1541-1775)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: Popn 1541-1775)

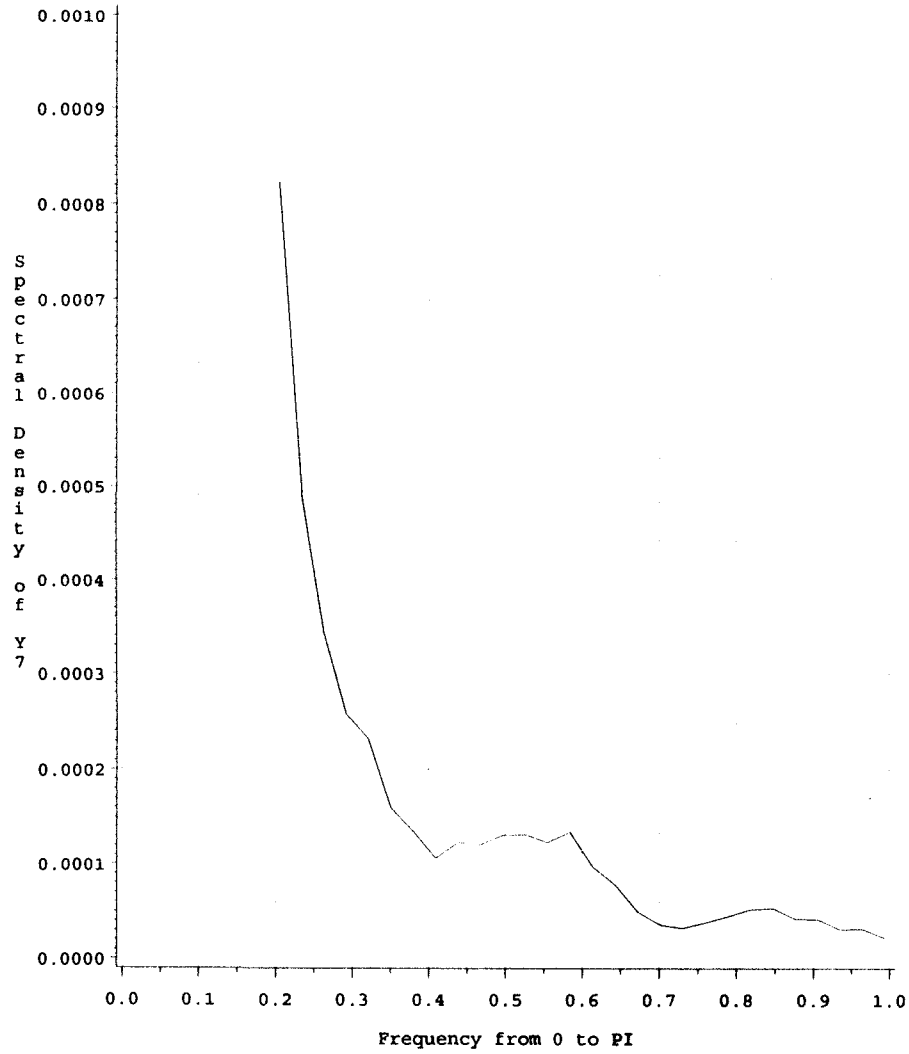
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER. 67

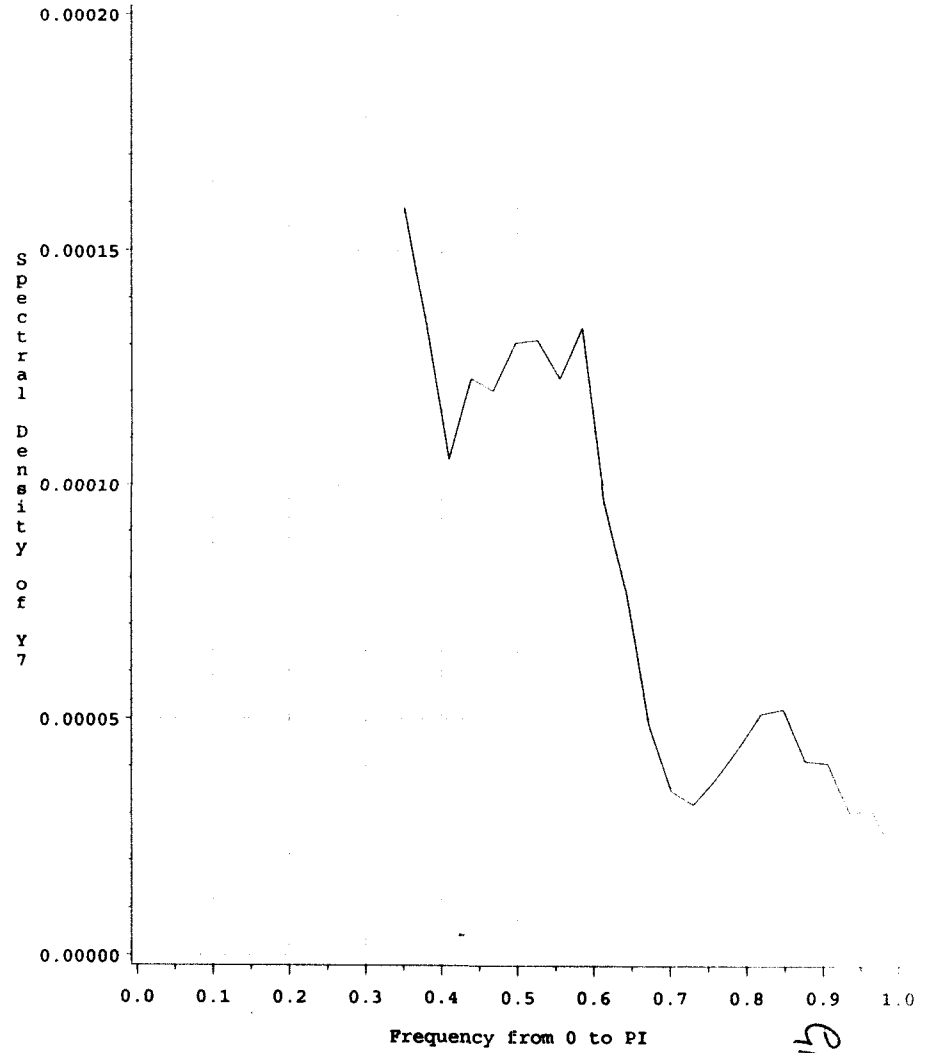
Spectral Density Estimates:(Subset1: Popn 1541-1775)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: Popn 1541-1775)

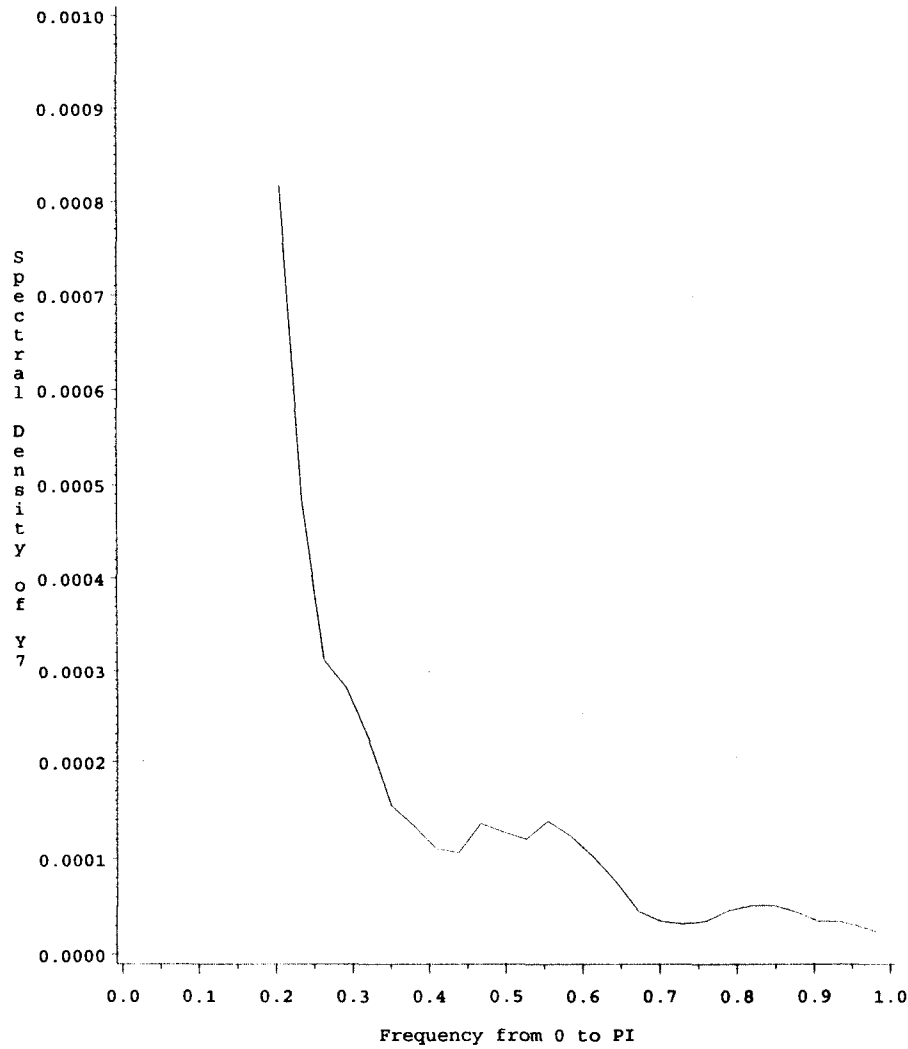
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER. 68

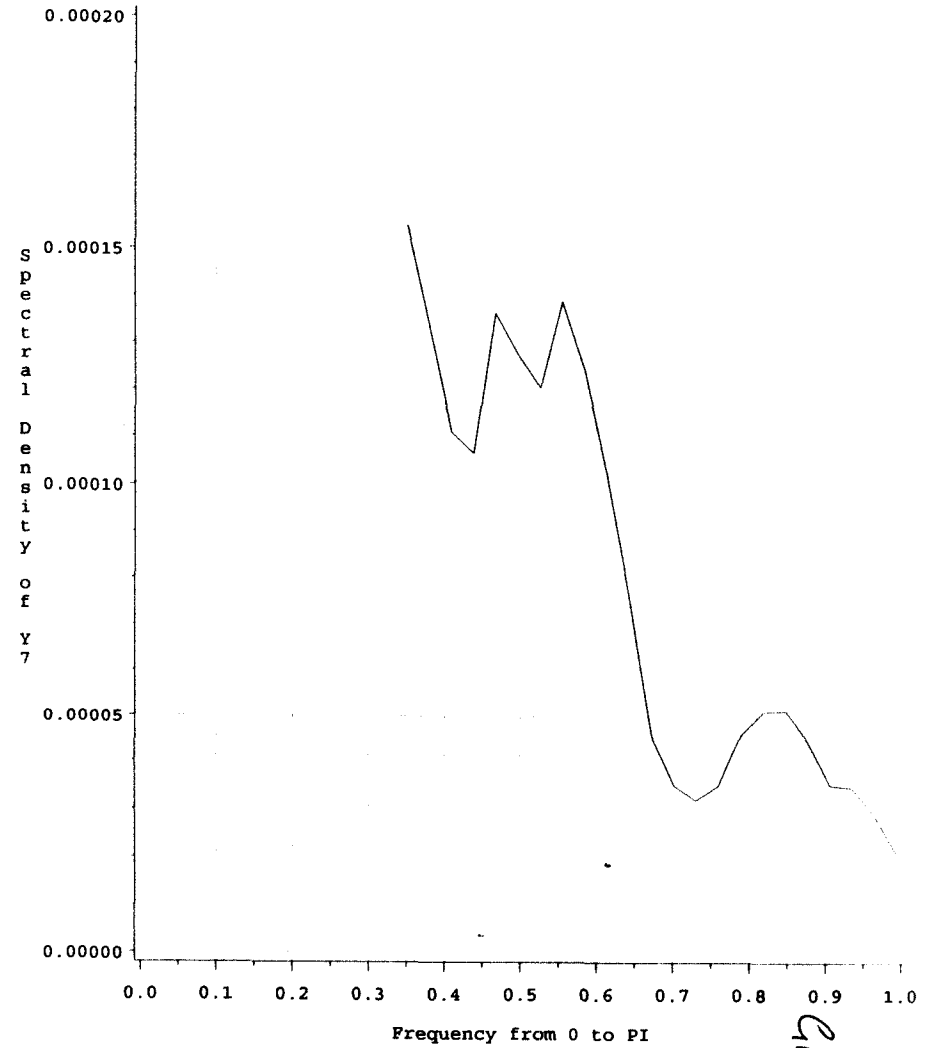
Spectral Density Estimates:(Subset1: Popn 1541-1775)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: Popn 1541-1775)

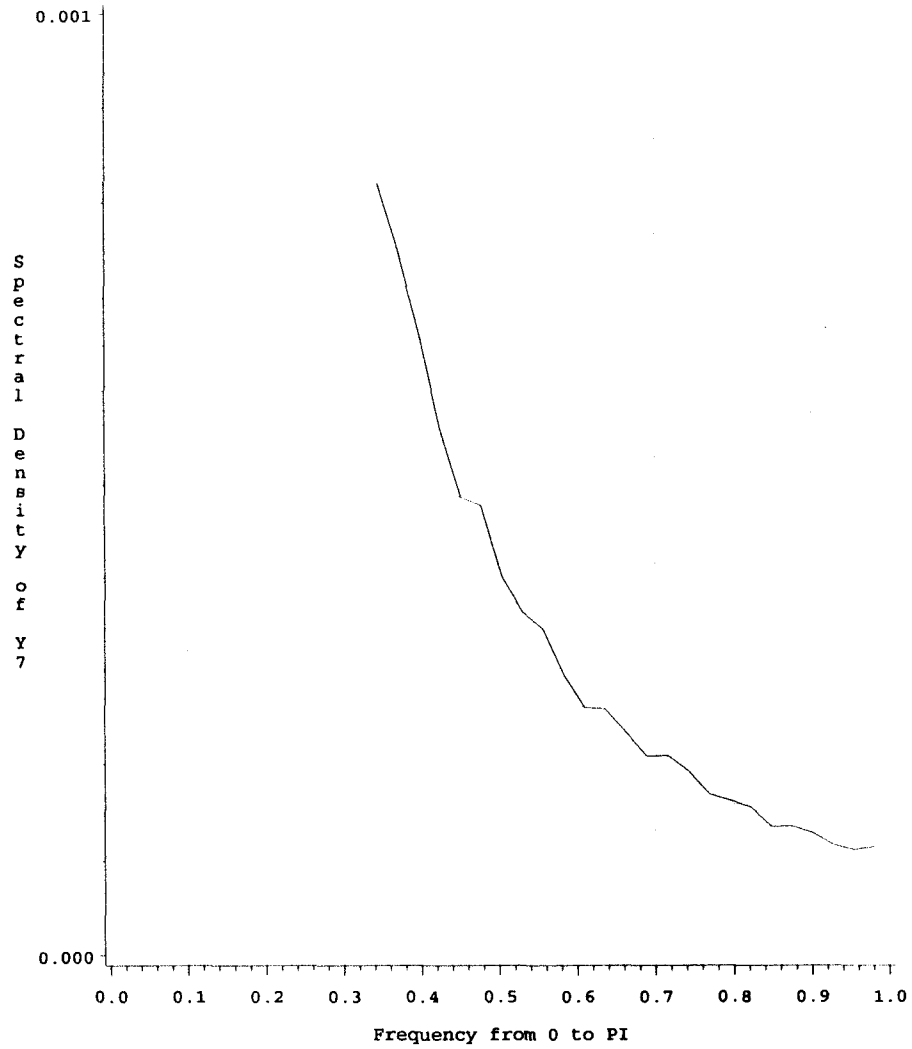
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



CR.69

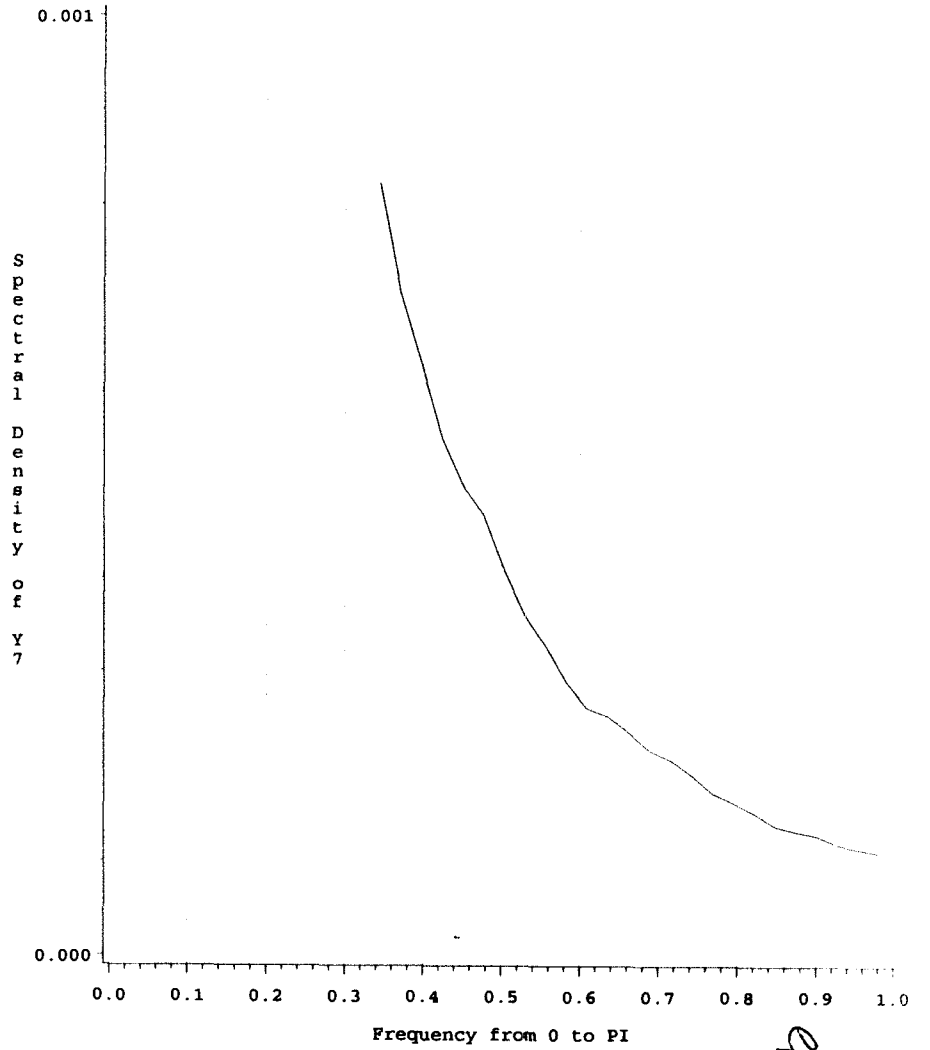
Spectral Density Estimates:(Subset2: Popn 1755-1992)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: Popn 1755-1992)

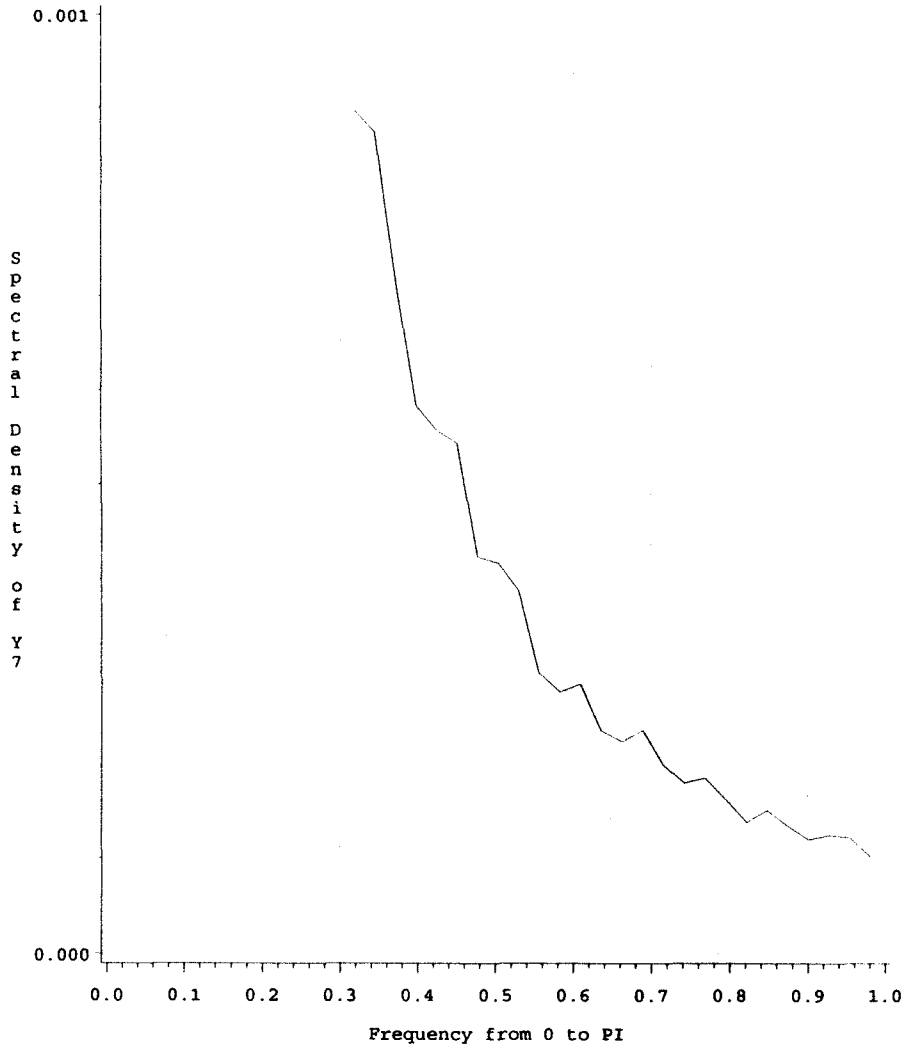
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.70

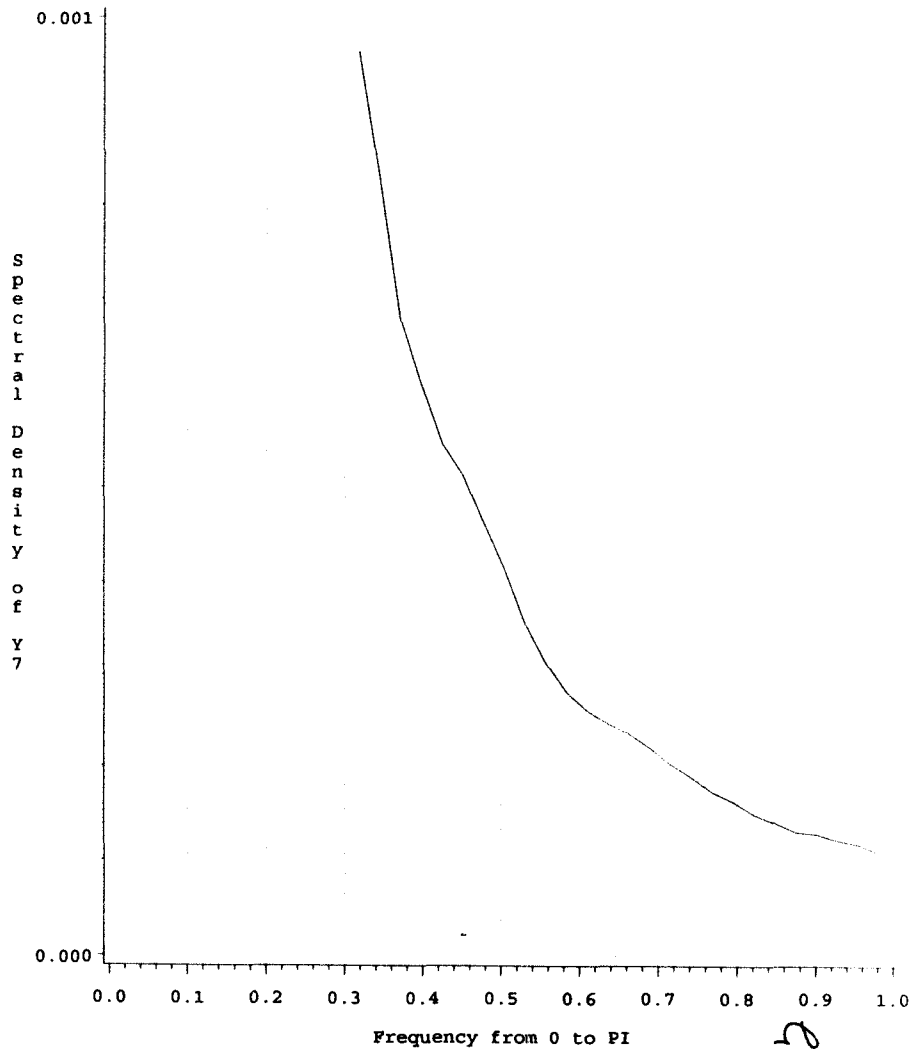
Spectral Density Estimates:(Subset2: Popn 1755-1992)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: Popn 1755-1992)

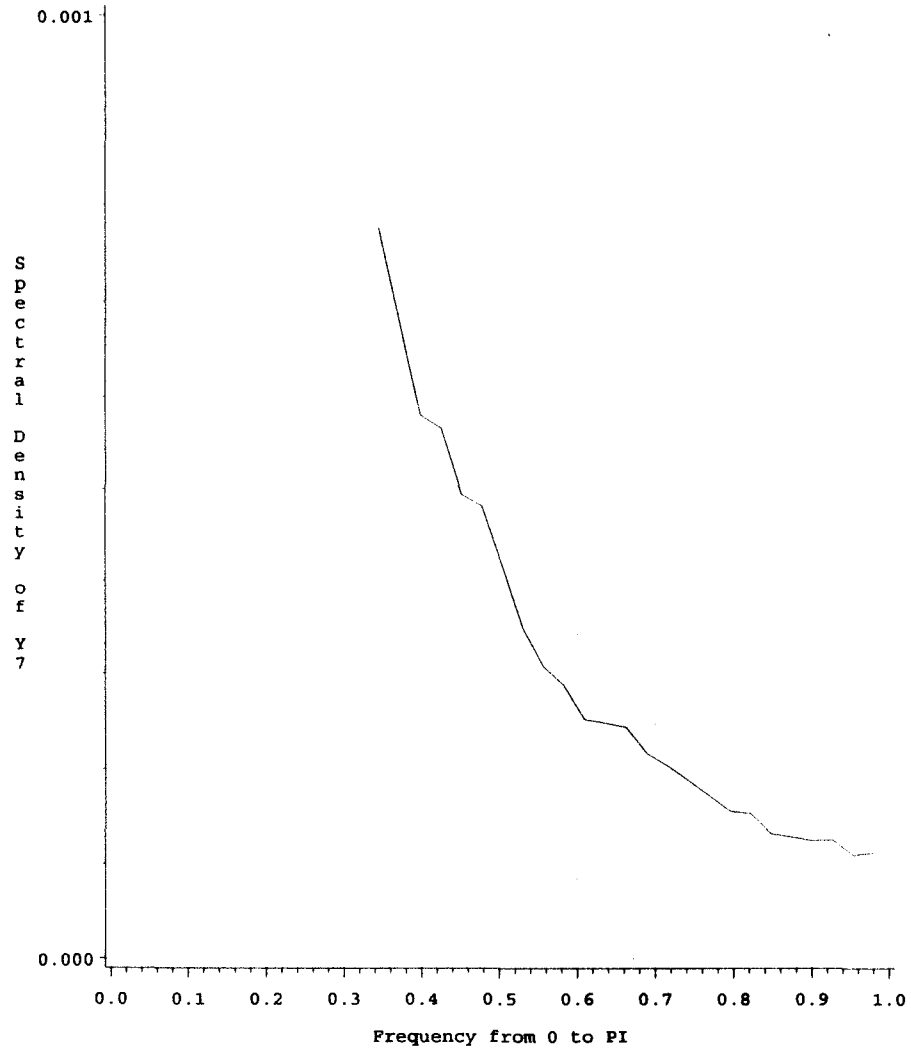
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.71

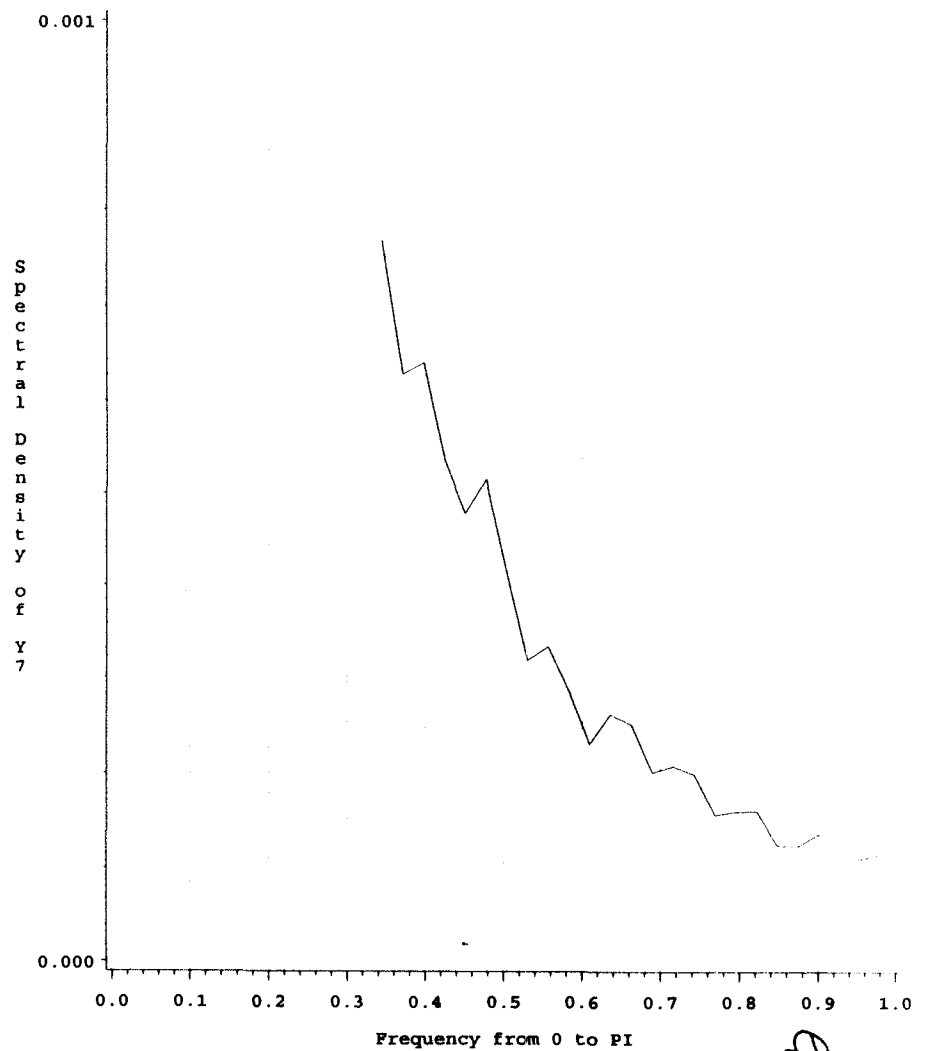
Spectral Density Estimates:(Subset2: Popn 1755-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: Popn 1755-1992)

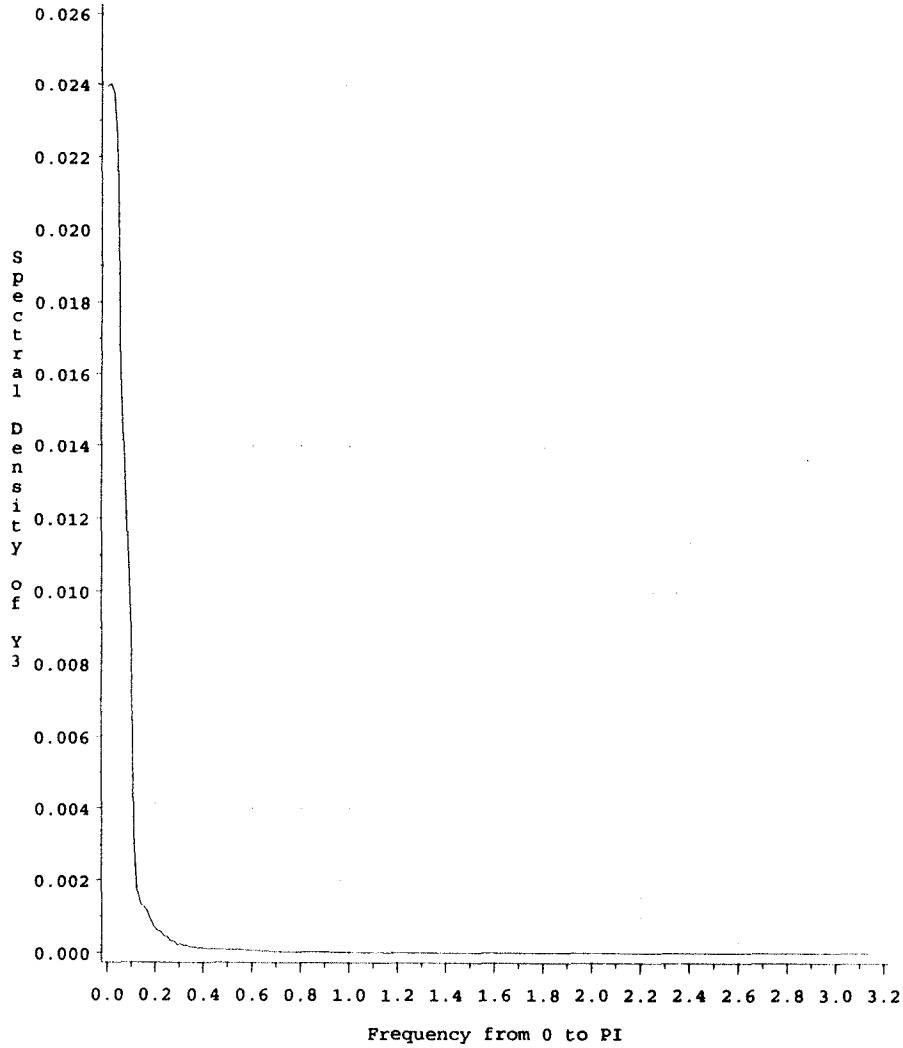
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.72

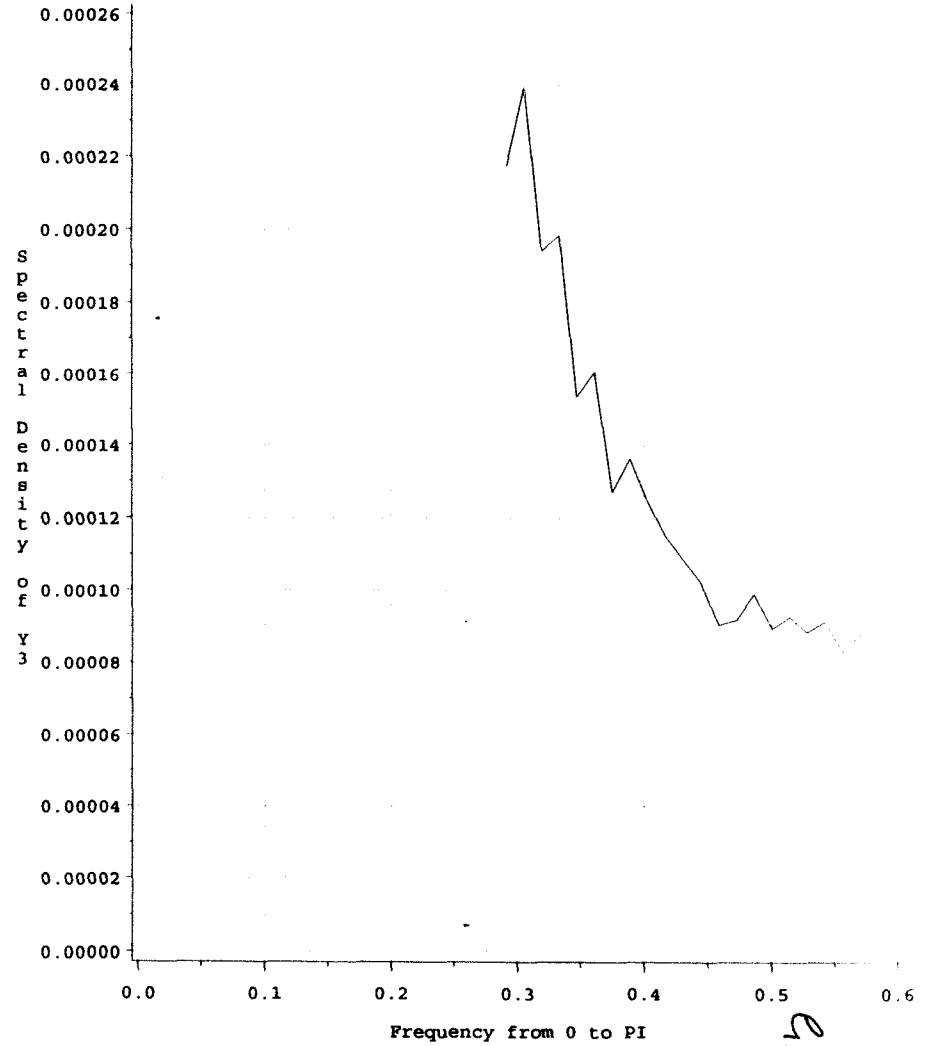
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 11 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

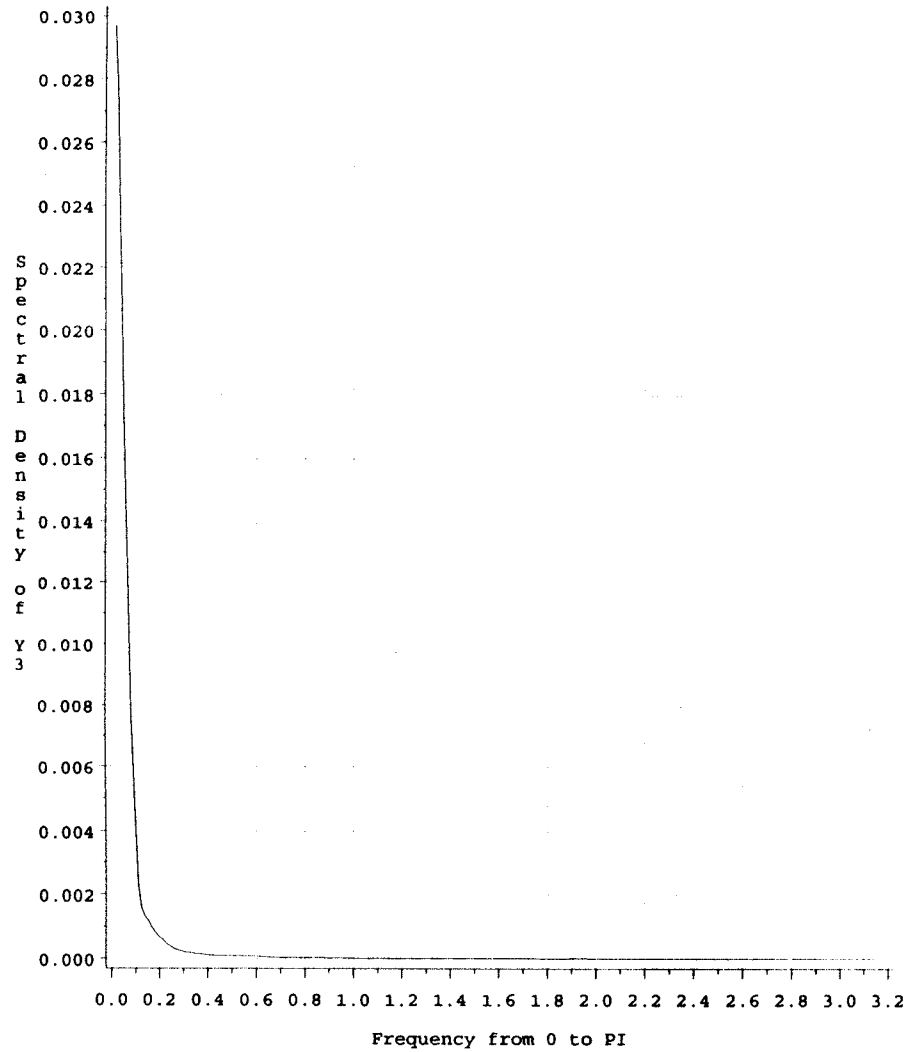
Spectral Window: 11 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



QR.73

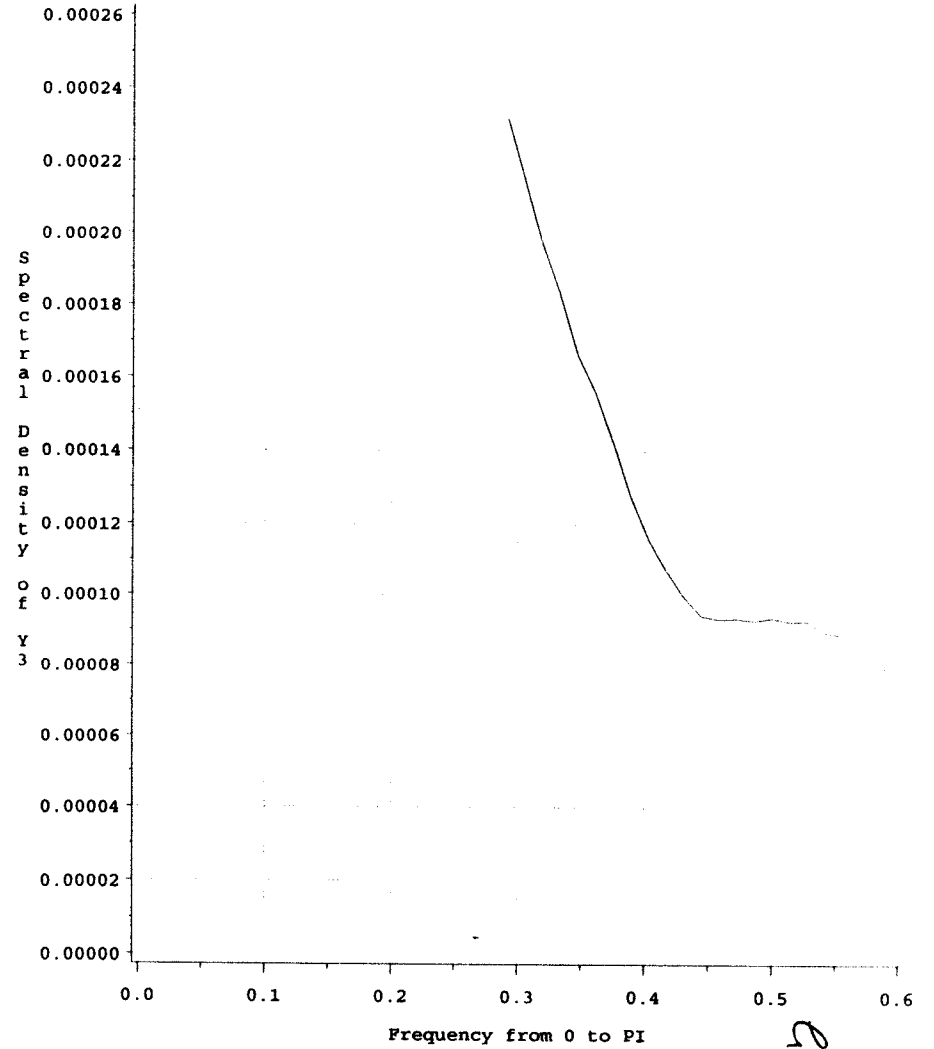
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 11 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 11 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual

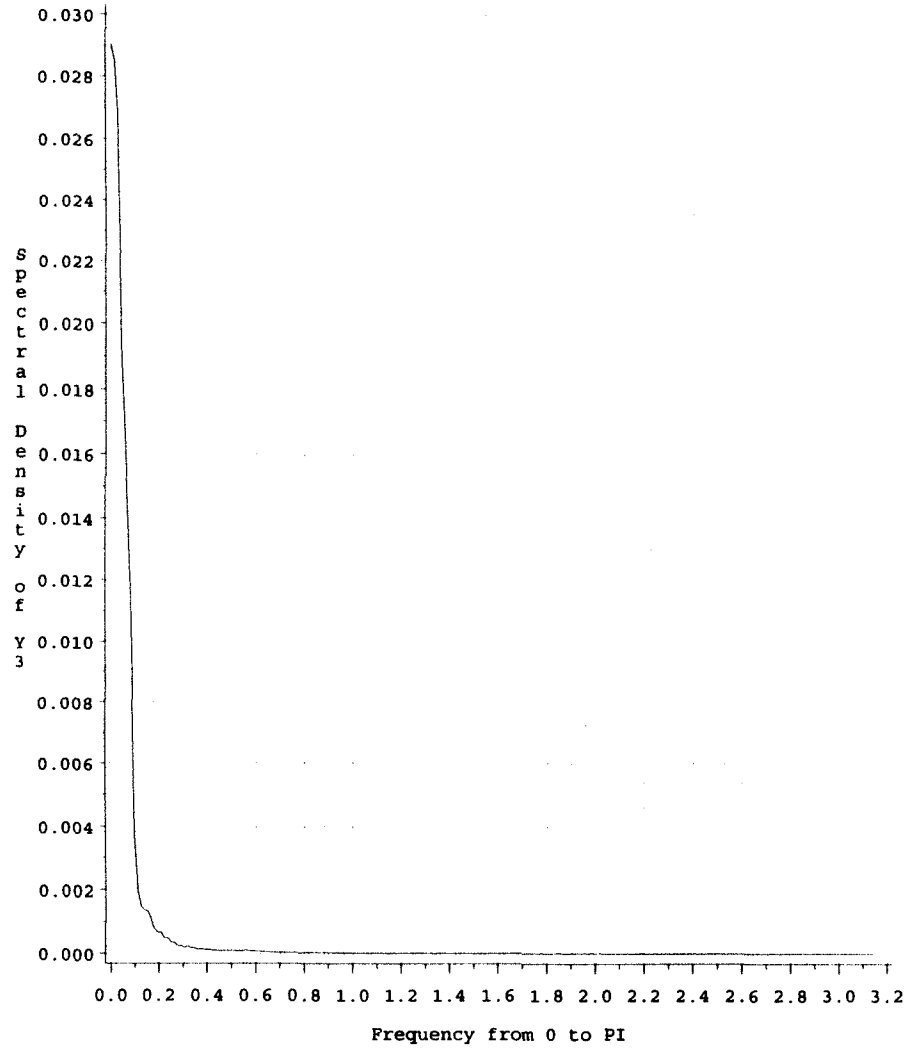


CR.74



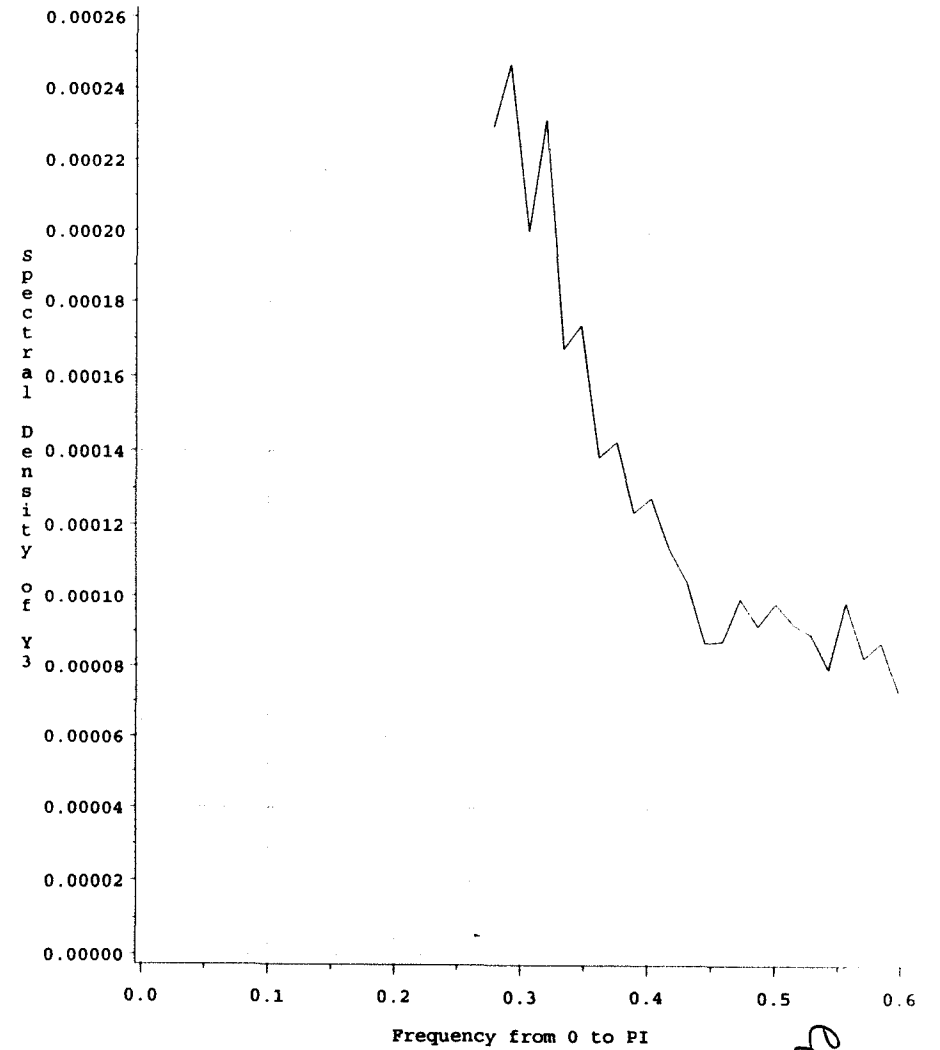
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 9 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

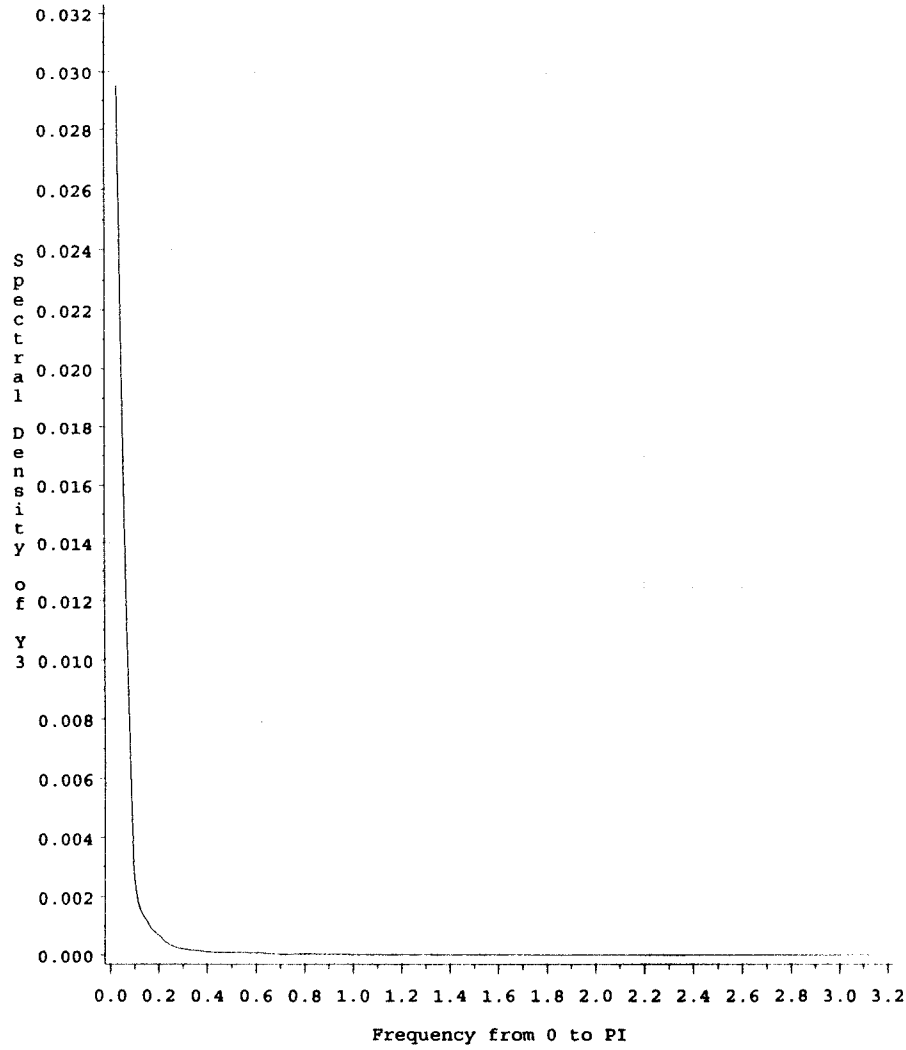
Spectral Window: 9 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



QR.75

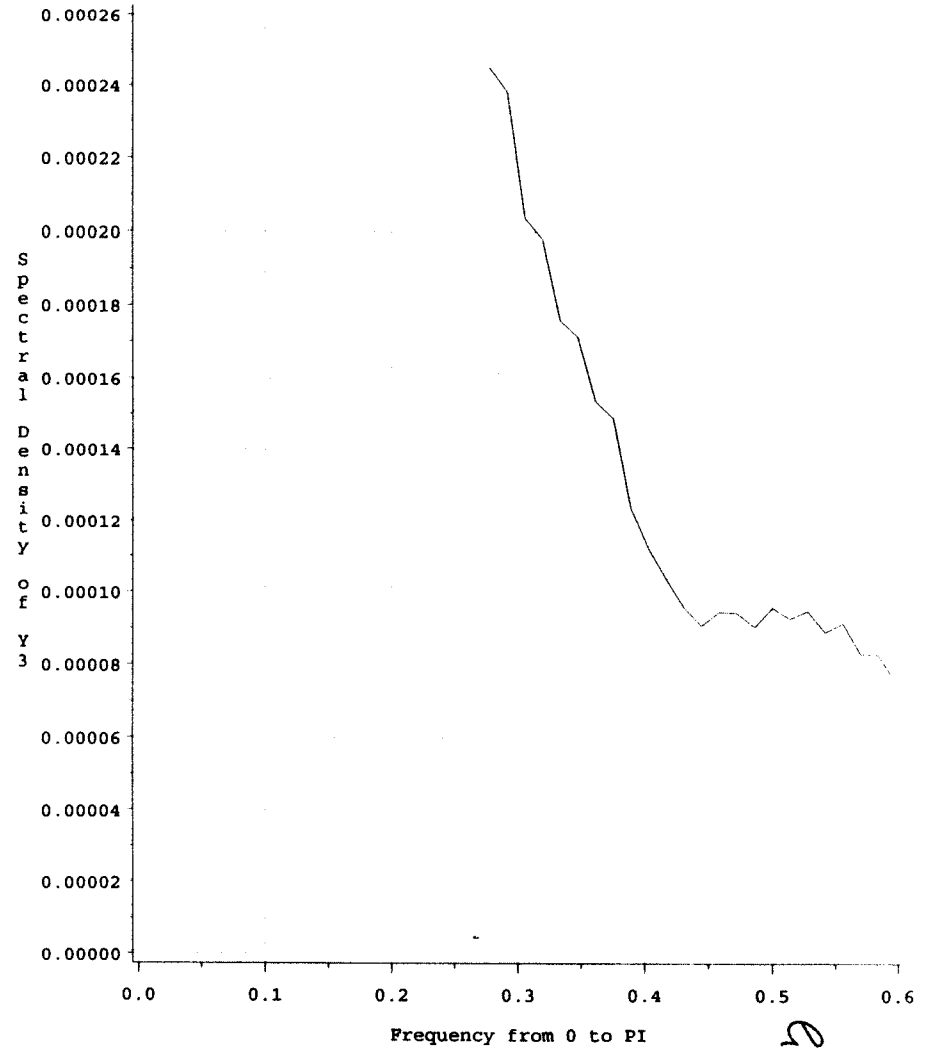
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 9 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

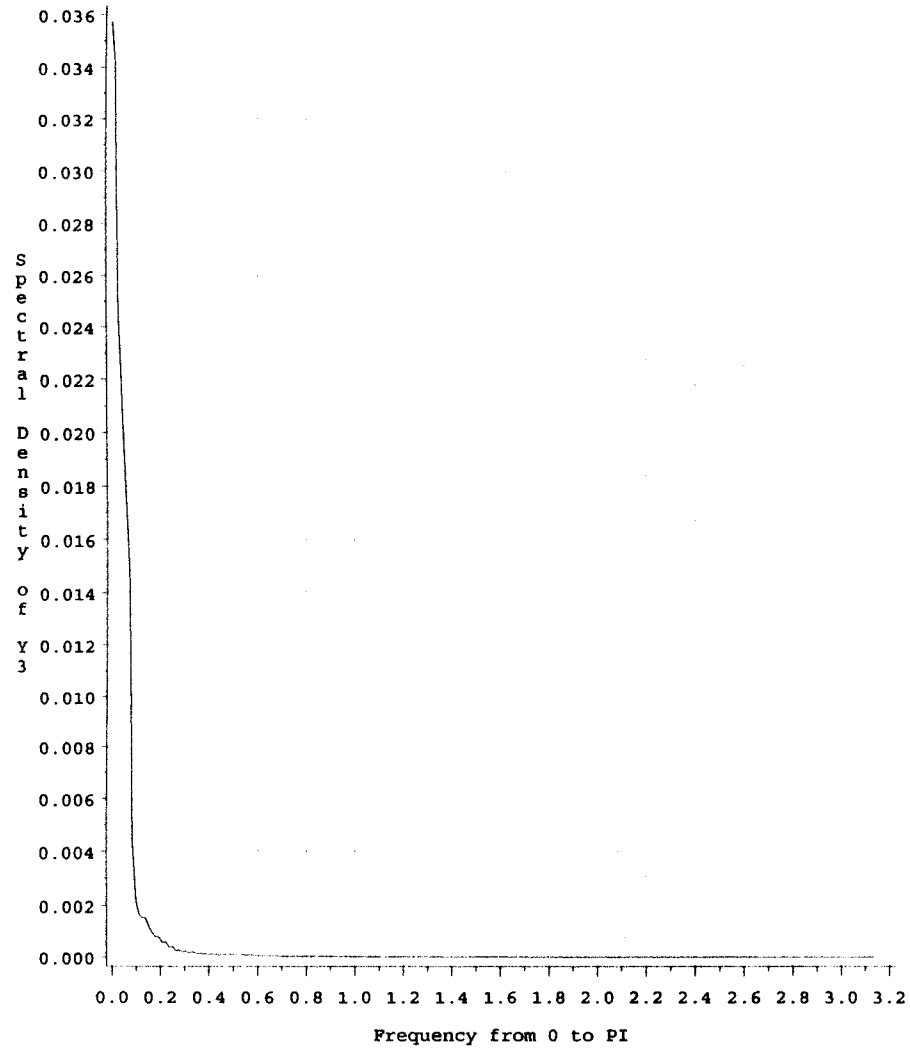
Spectral Window: 9 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



AR.76

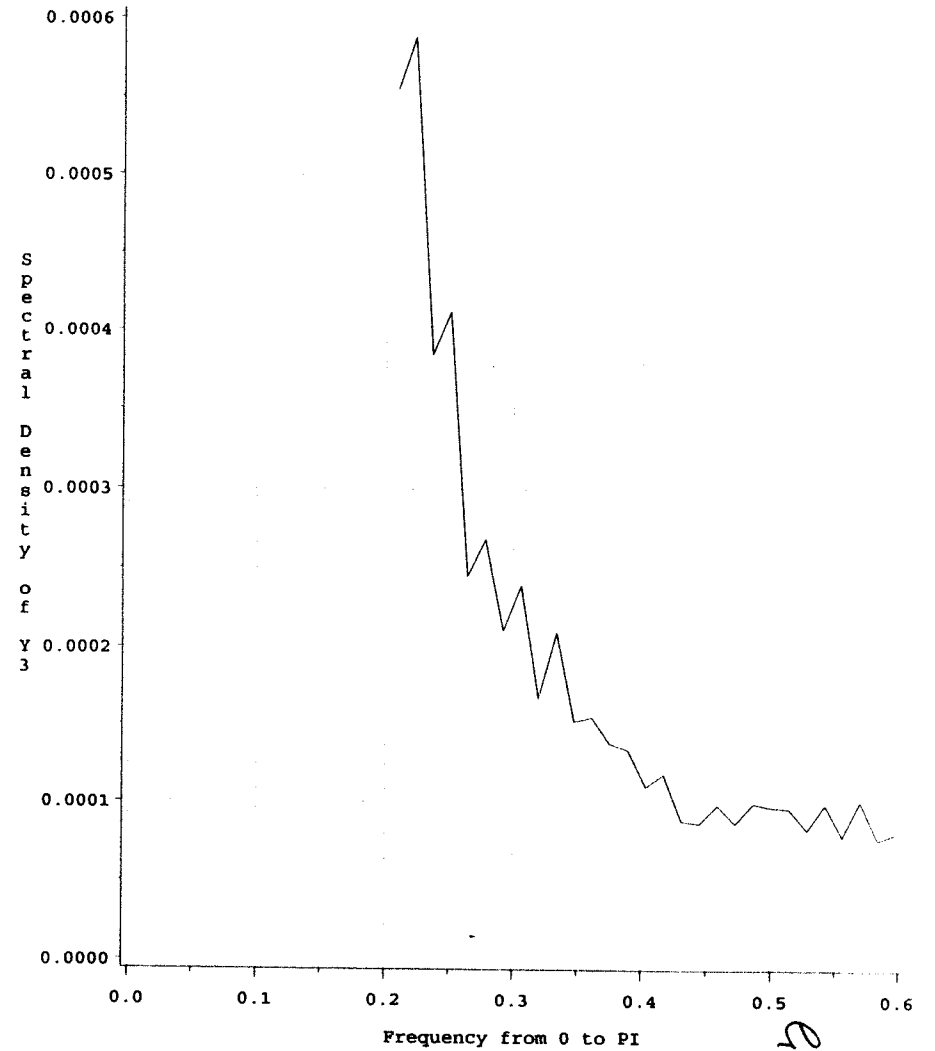
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

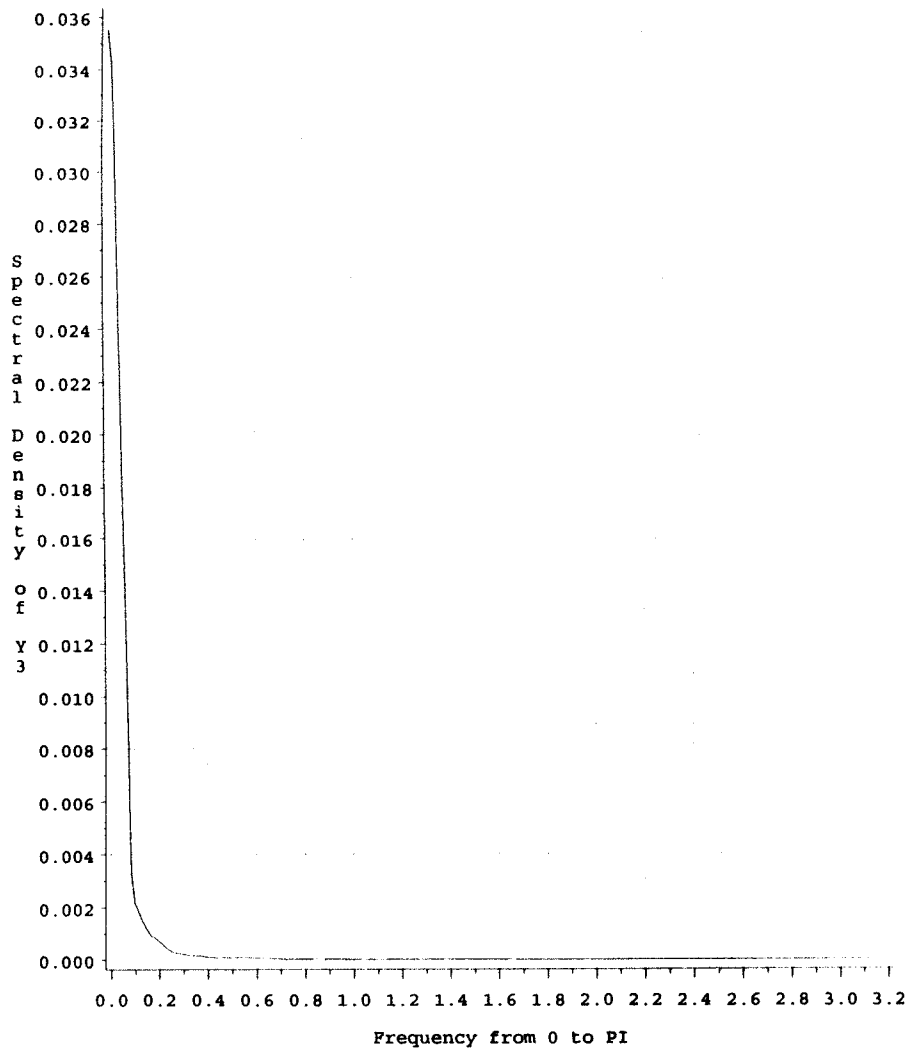
Spectral Window: 7 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



ER.77

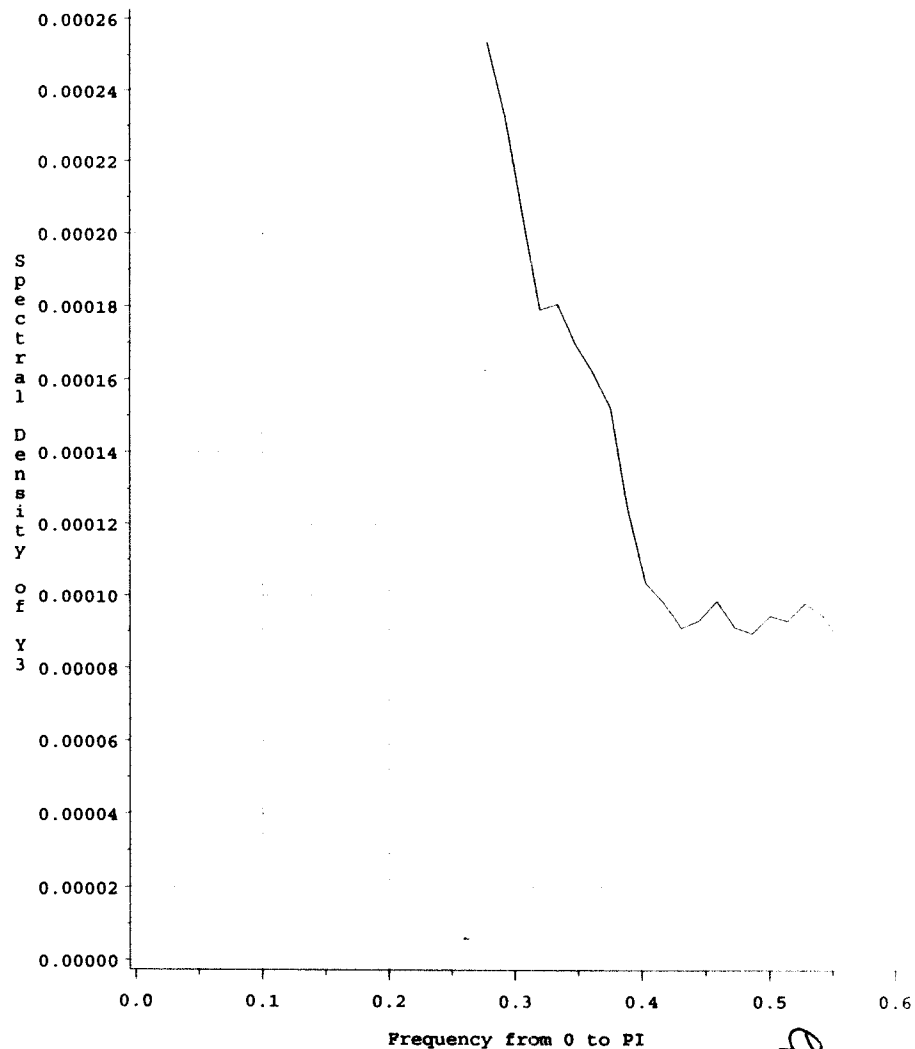
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 7 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

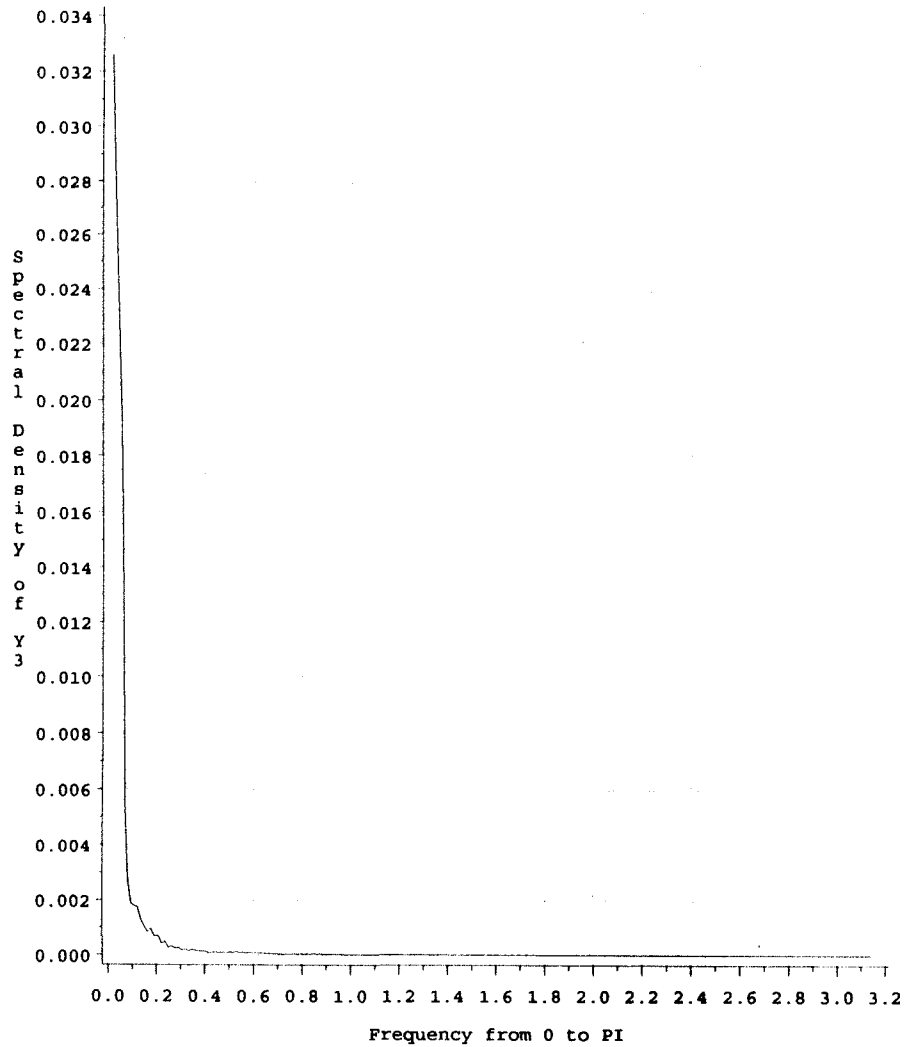
Spectral Window: 7 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



ER.78

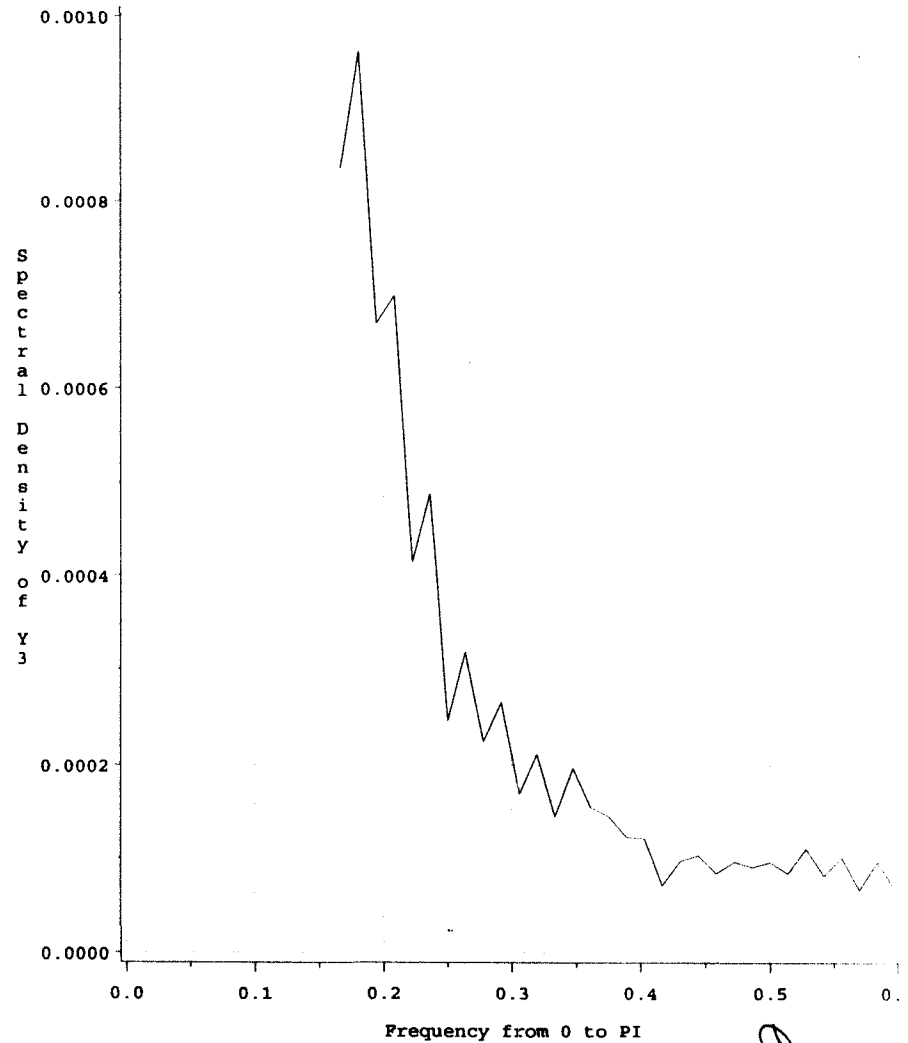
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

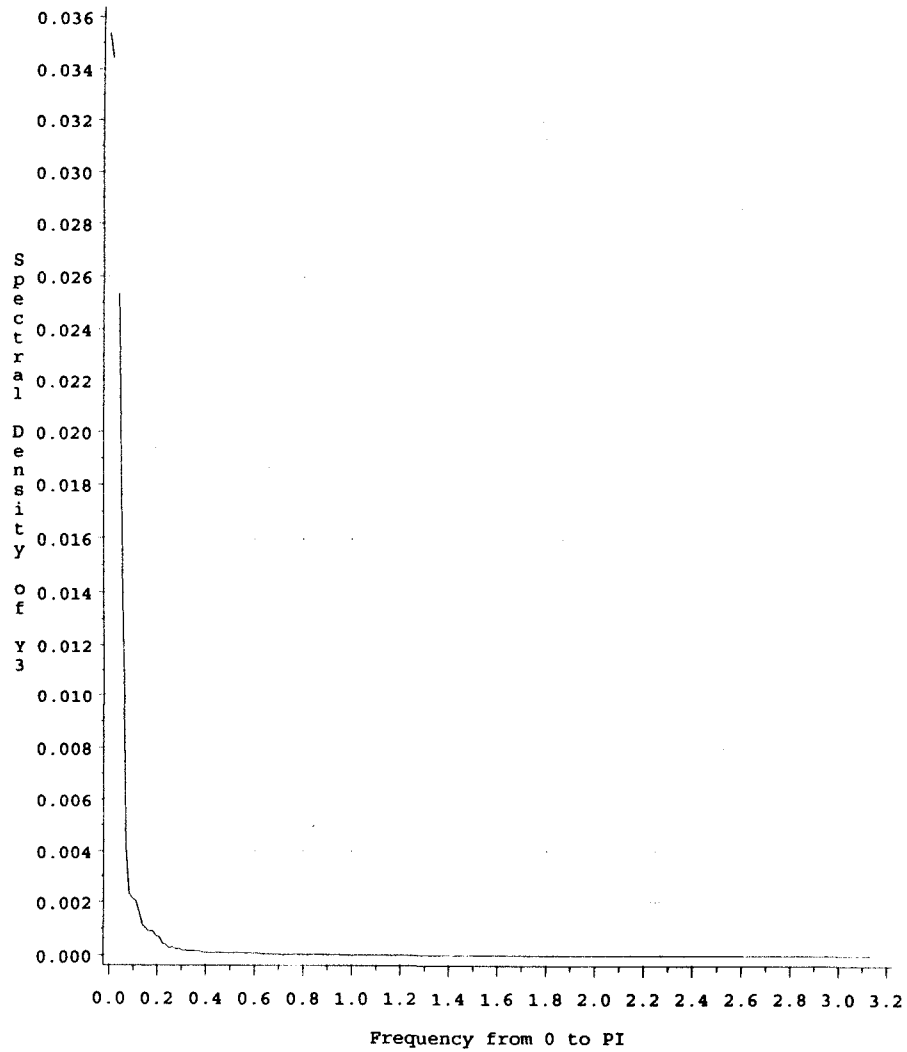
Spectral Window: 5 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



ER.79

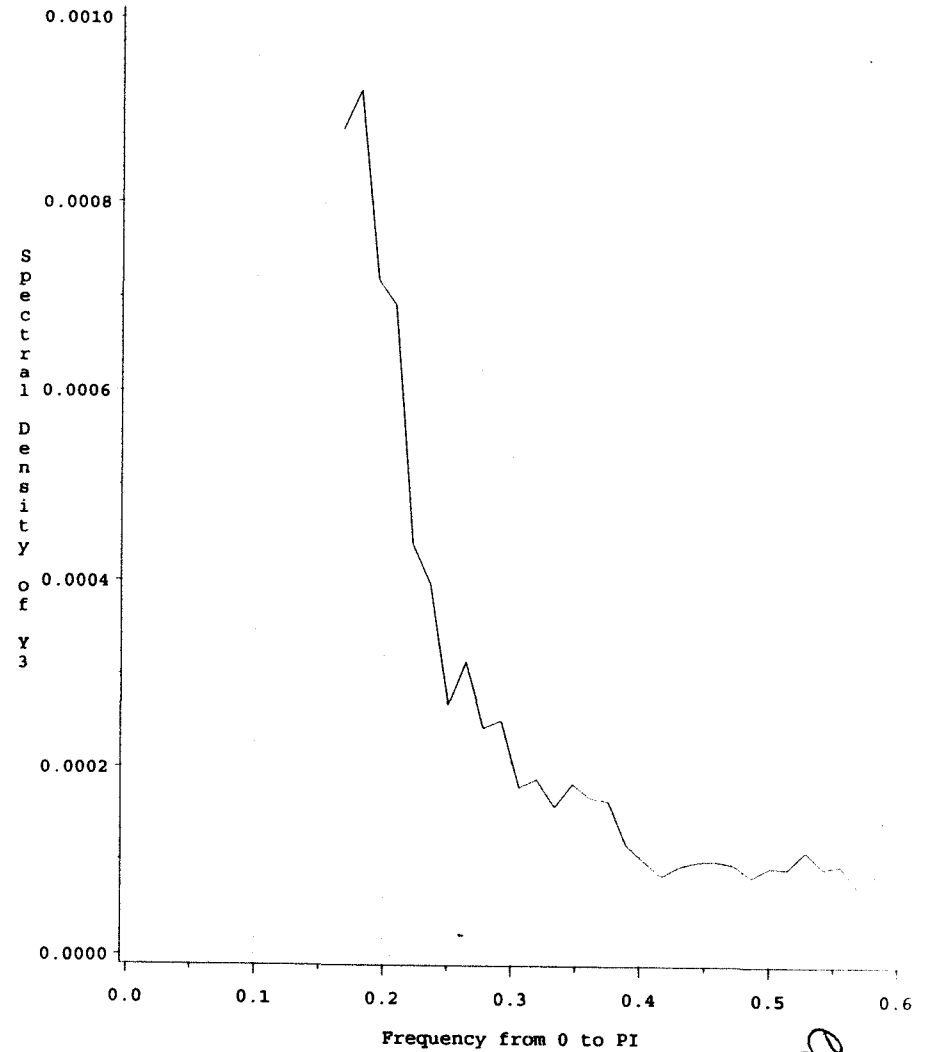
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 5 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

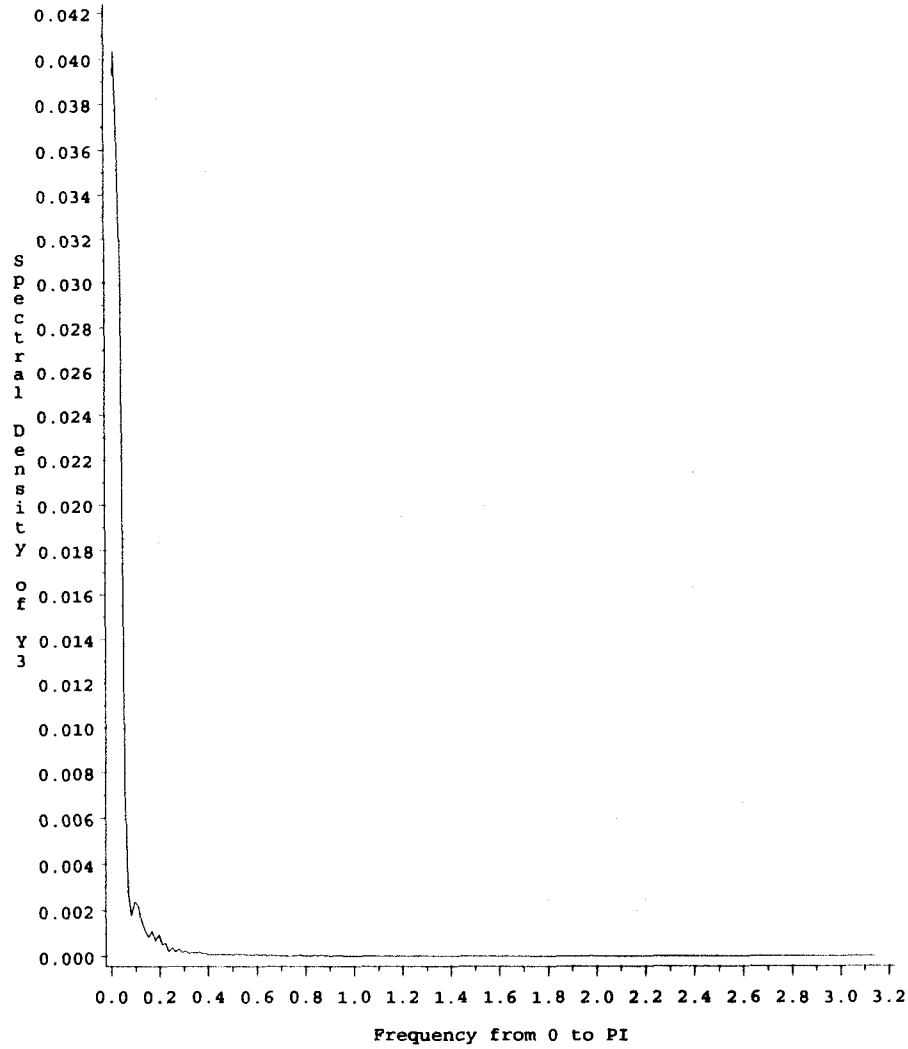
Spectral Window: 5 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



ER.80

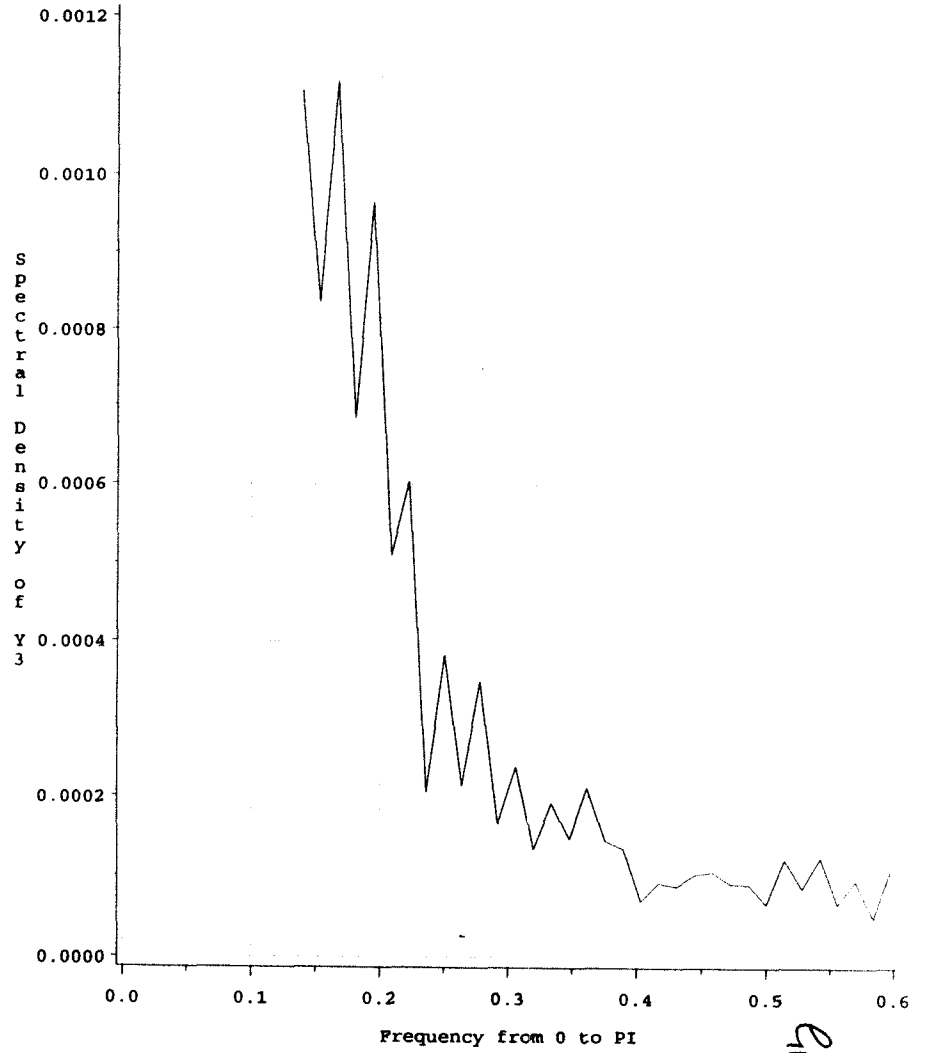
Spectral Density Estimates:(Population 1541-1992)

Spectral Window: 3 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541-1992)

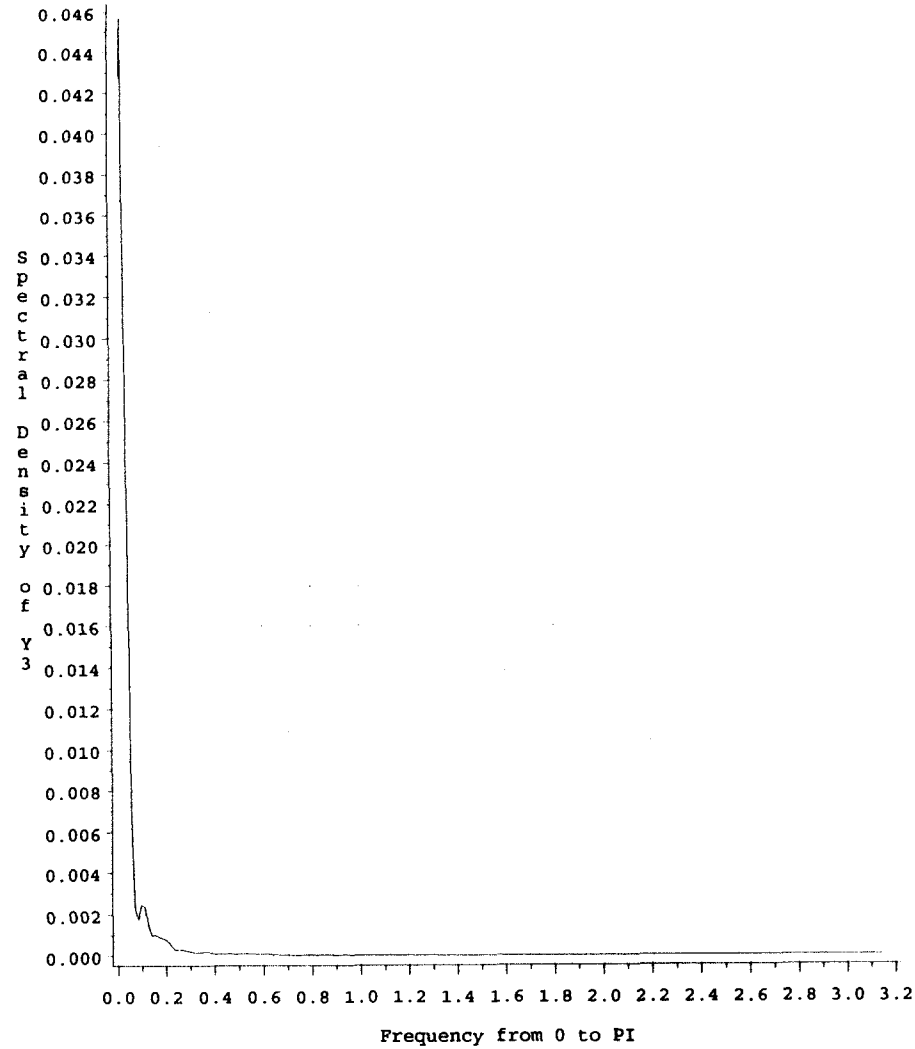
Spectral Window: 3 (Rec)  
Heteroscedasticity Reduced-200yr step:Residual



ER.81

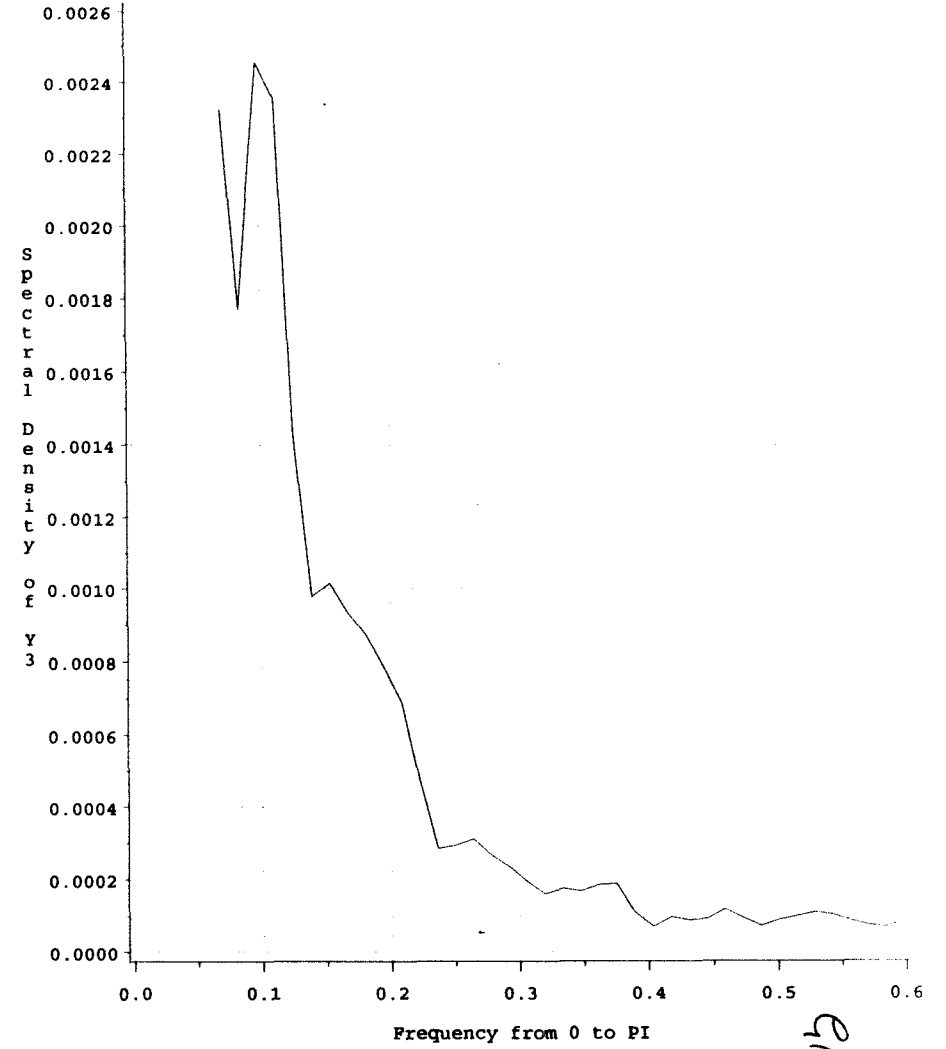
Spectral Density Estimates:(Population 1541 - 1992)

Spectral Window: 3 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



Spectral Density Estimates:(Population 1541 - 1992)

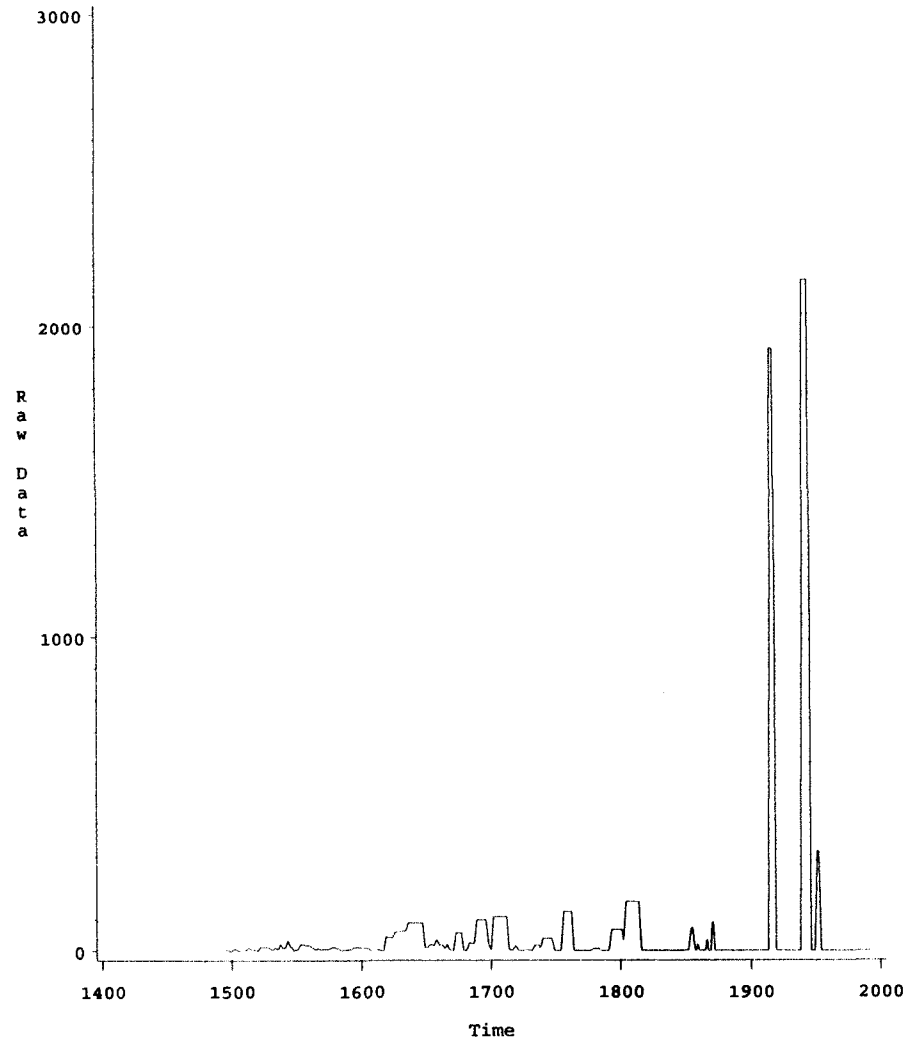
Spectral Window: 3 (Tri)  
Heteroscedasticity Reduced-200yr step:Residual



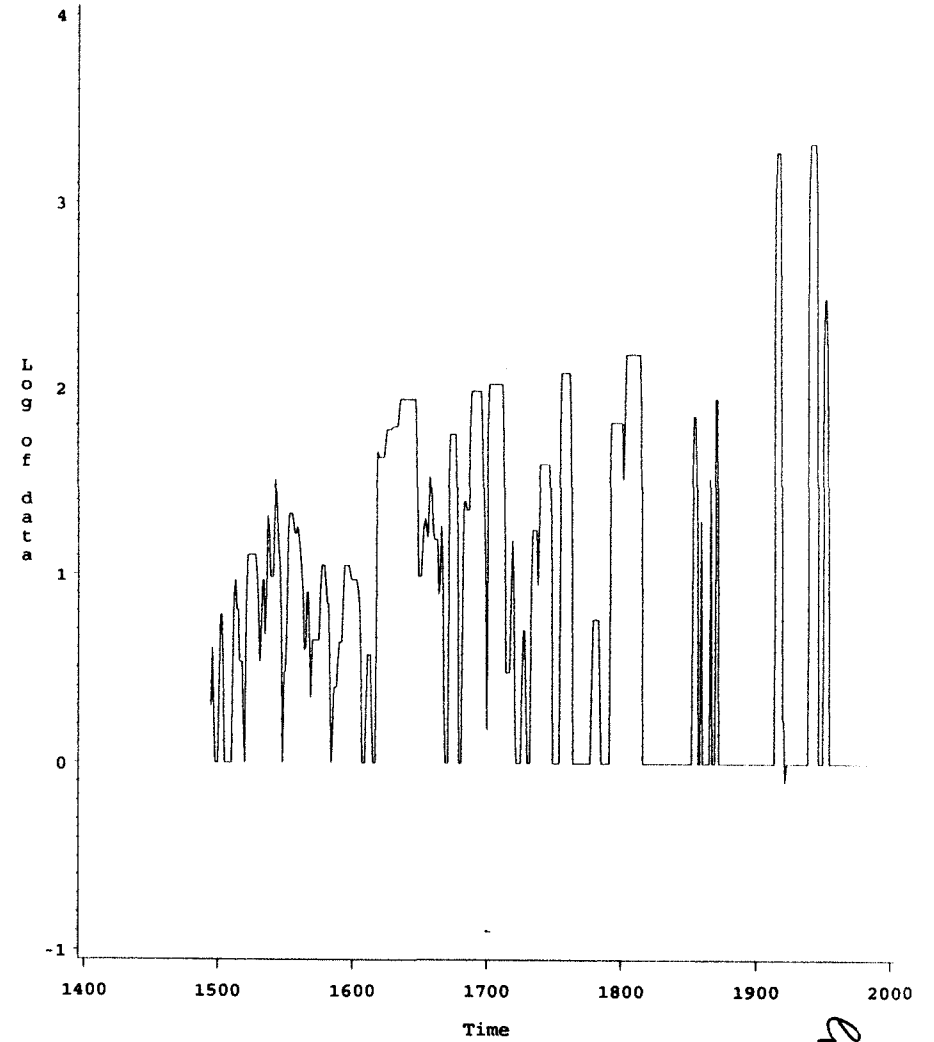
PR.82



War (Battle Fatalities): 1495-1992  
Original Raw Data



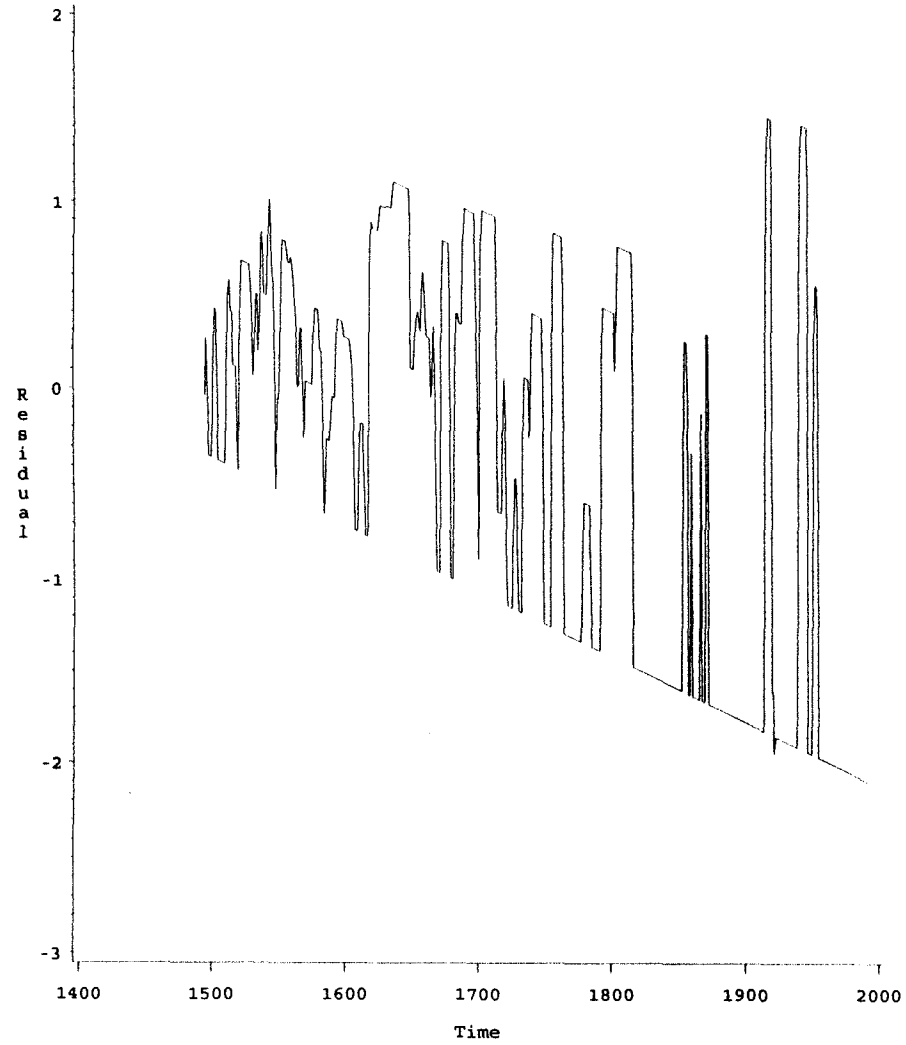
War (Battle Fatalities): 1495-1992  
Log of Data



QR.83

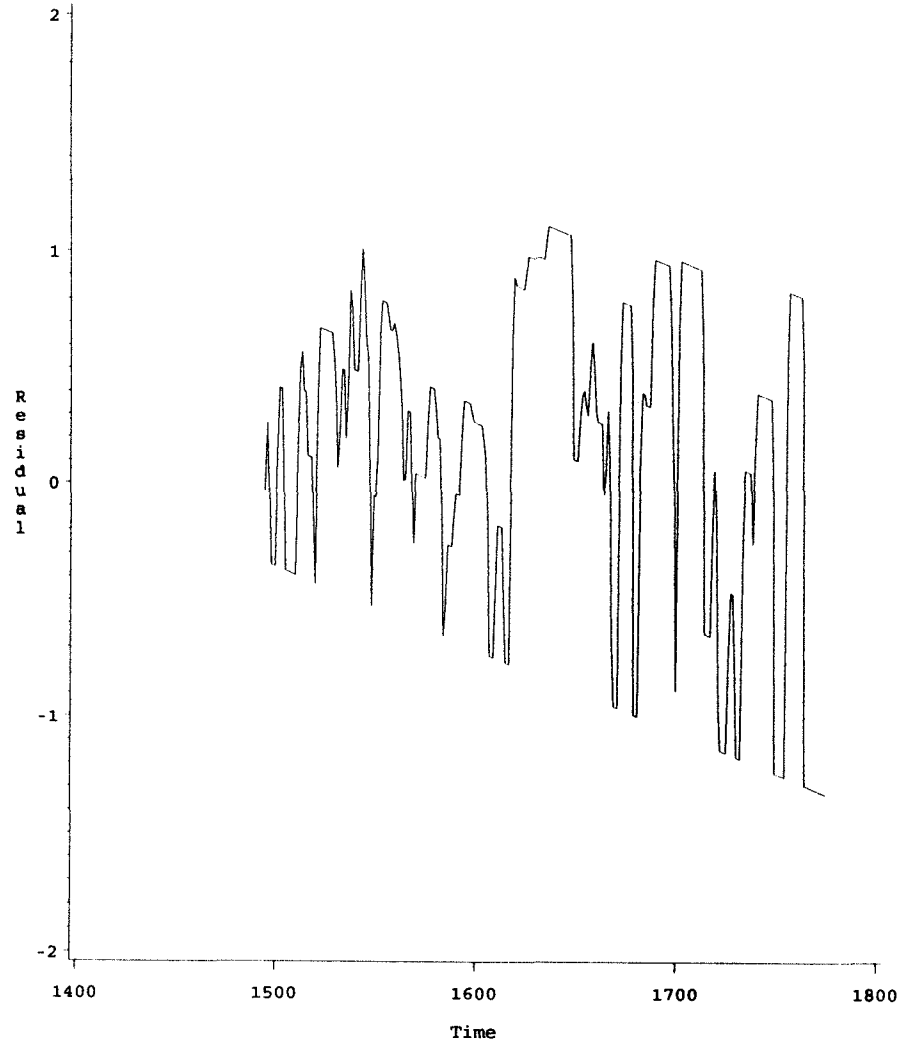
# War (Battle Fatalities): 1495-1992

Basic (Homoscedastic Approxm) Model: Residual

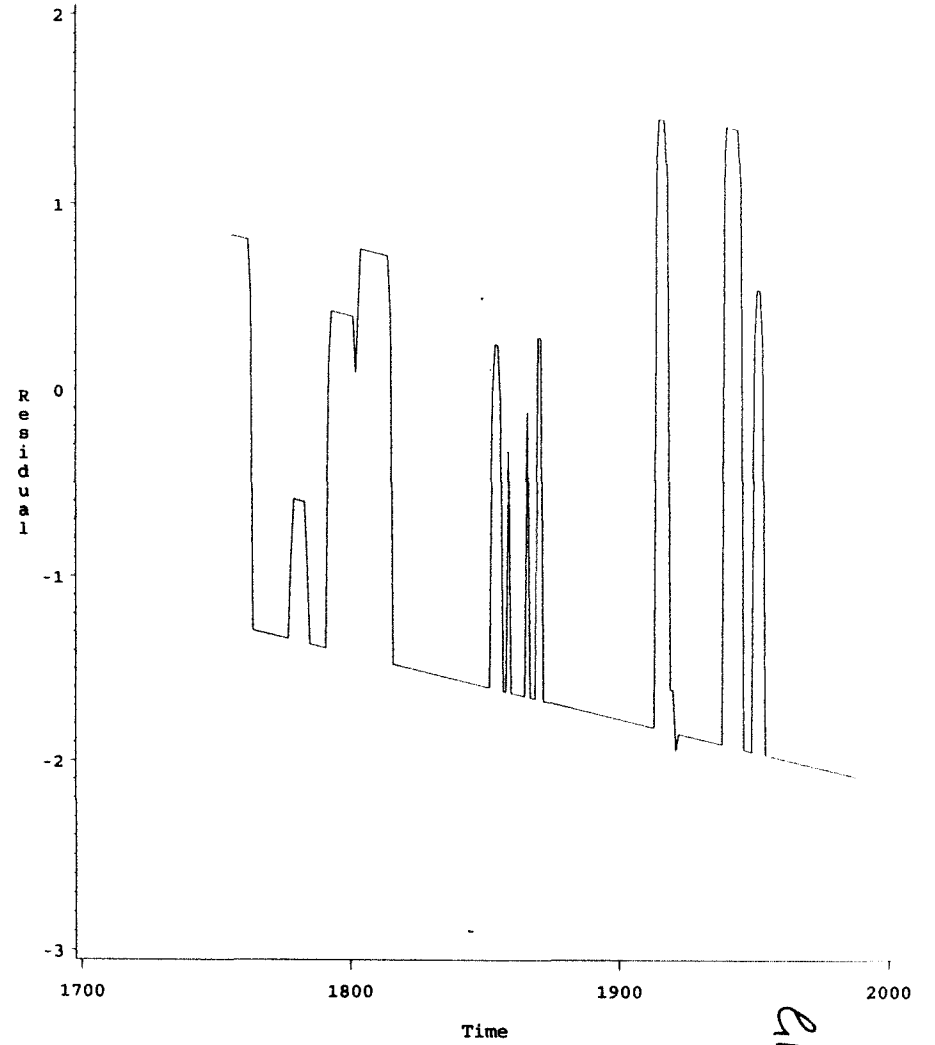


ER.84

War: Subset 1: 1495-1755  
Basic (Homoscedastic Approxm) Model:Residual



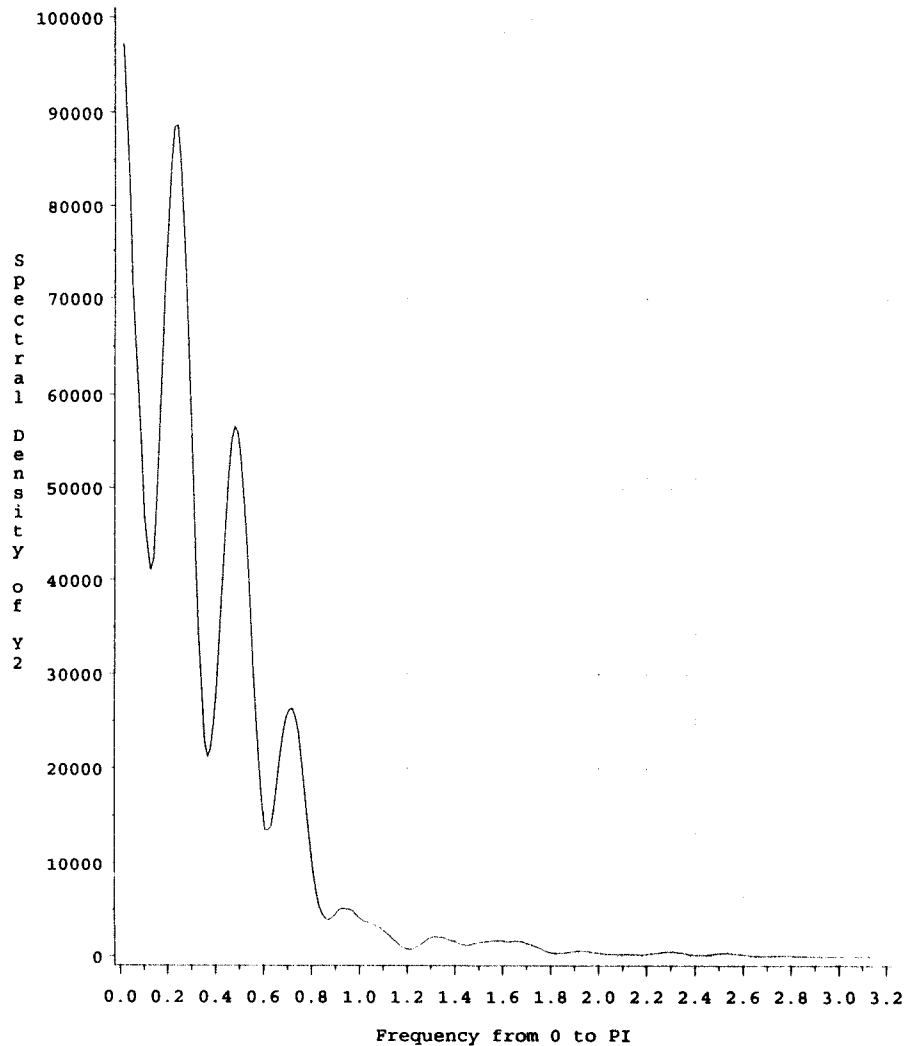
War: Subset 2: 1756-1992  
Basic (Homoscedastic Approxm) Model:Residual



ER.85

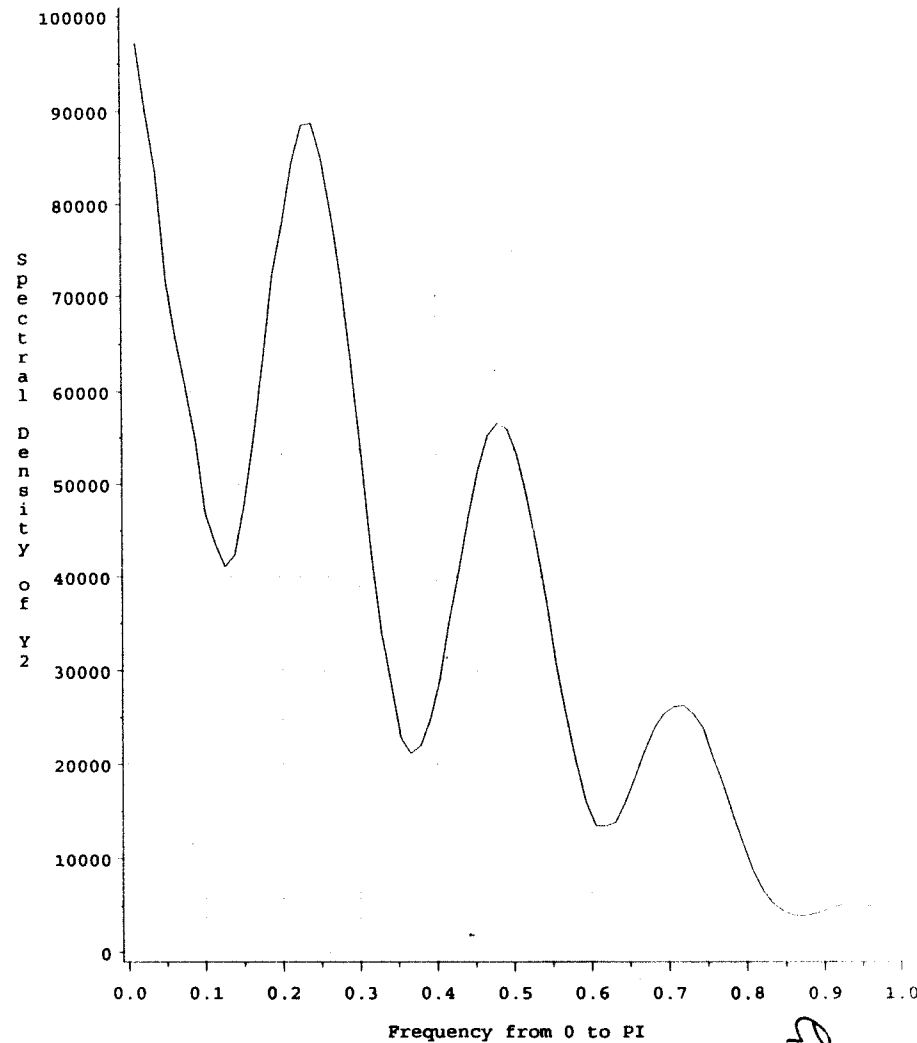
Spectral Density Estimates:(War B.Fatalties 1495-1992)

Spectral Window: 11 (Rec)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalties 1495-1992)

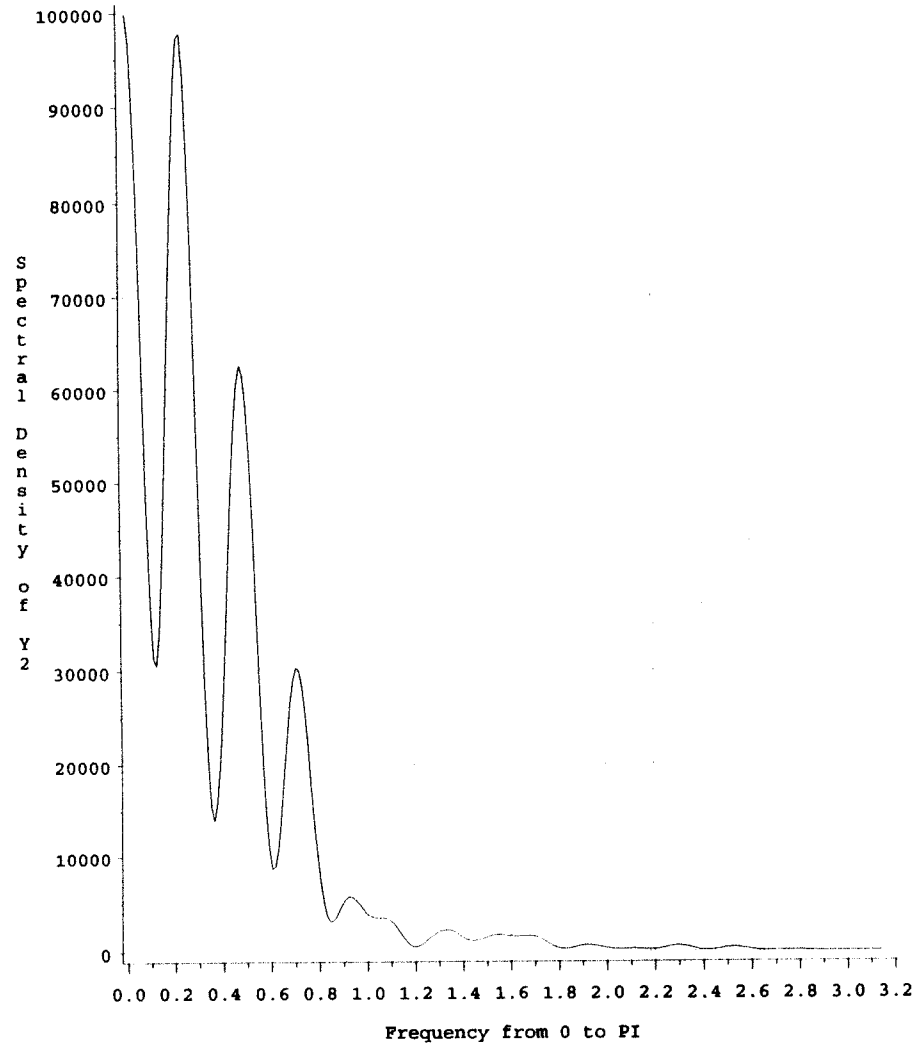
Spectral Window: 11 (Rec)  
Original Raw Data



ER.86

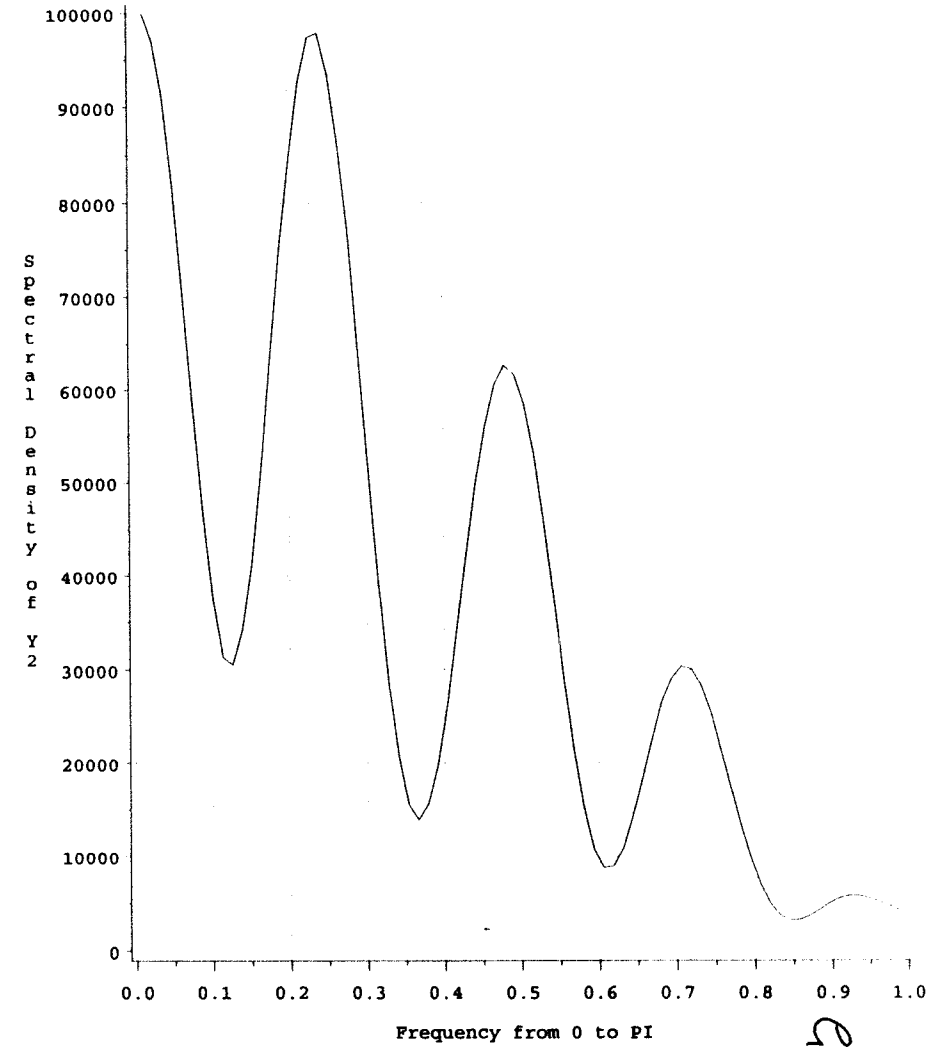
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 11 (Tri)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

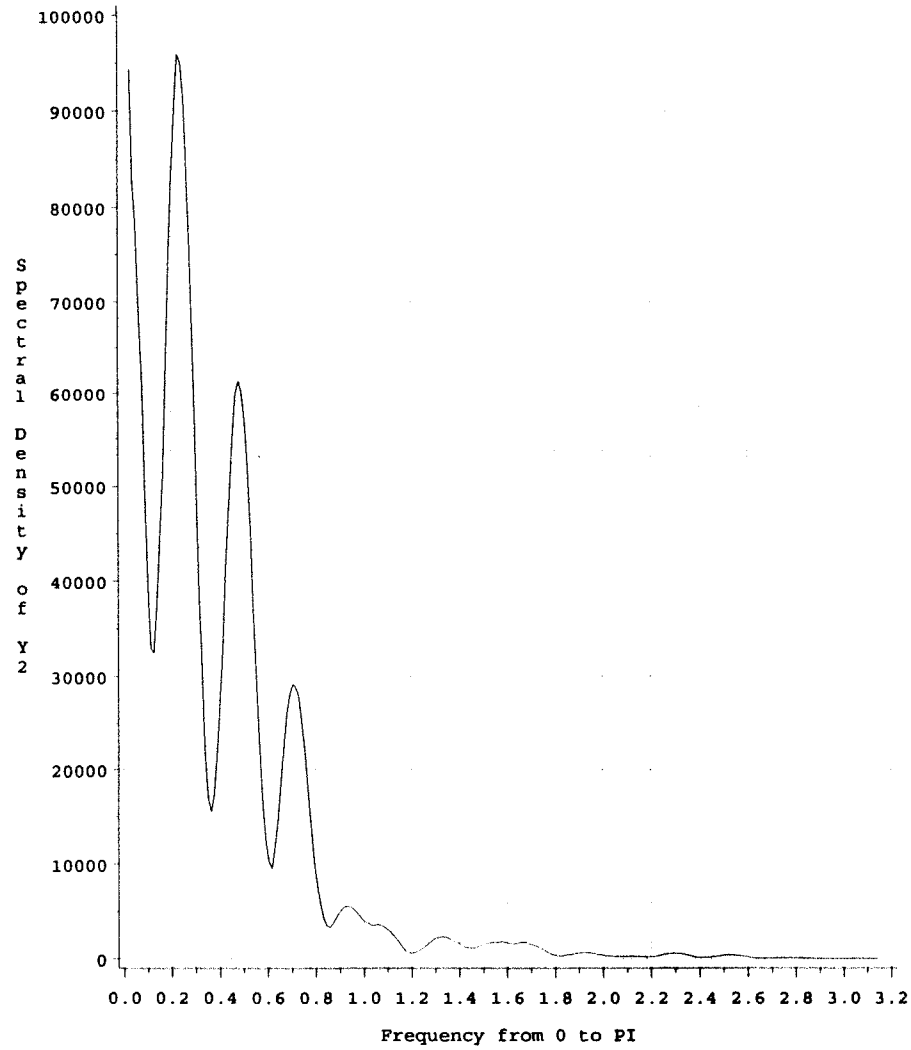
Spectral Window: 11 (Tri)  
Original Raw Data



GR.87

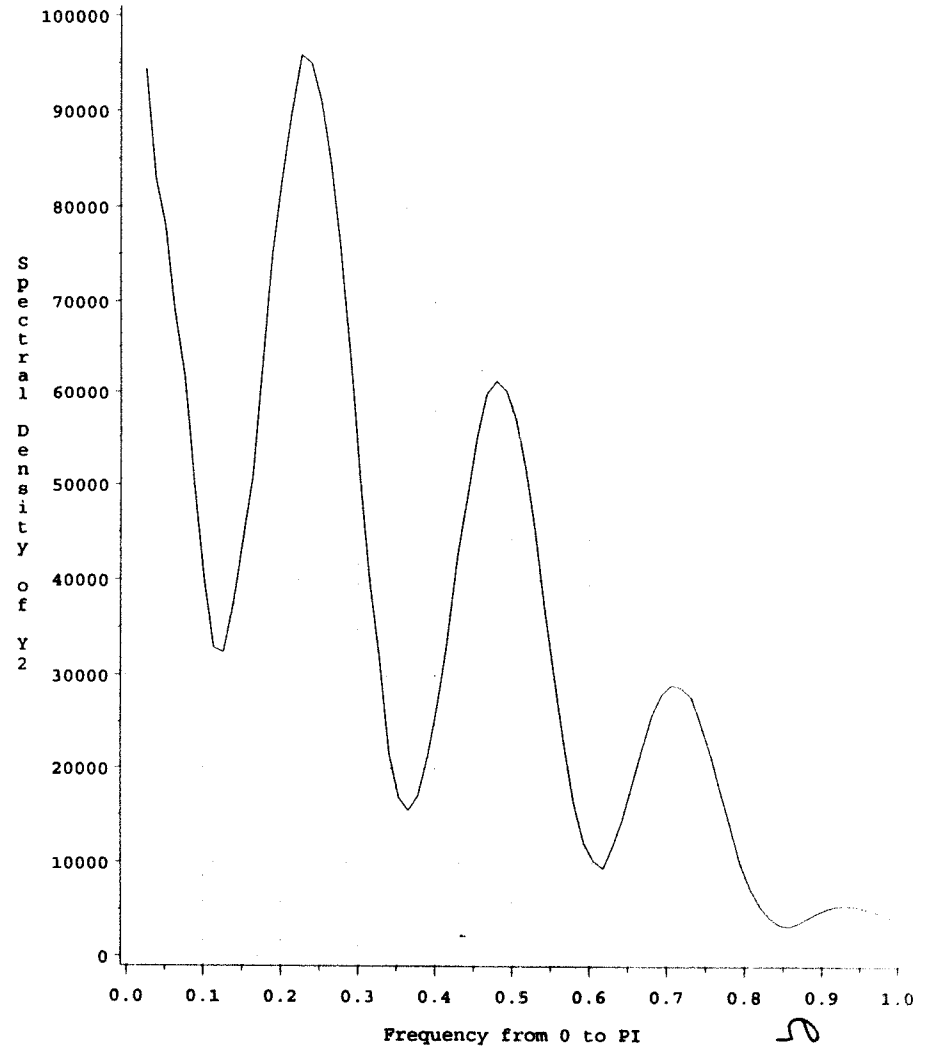
Spectral Density Estimates:(War B.Fatalties 1495-1992)

Spectral Window: 9 (Rec)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalties 1495-1992)

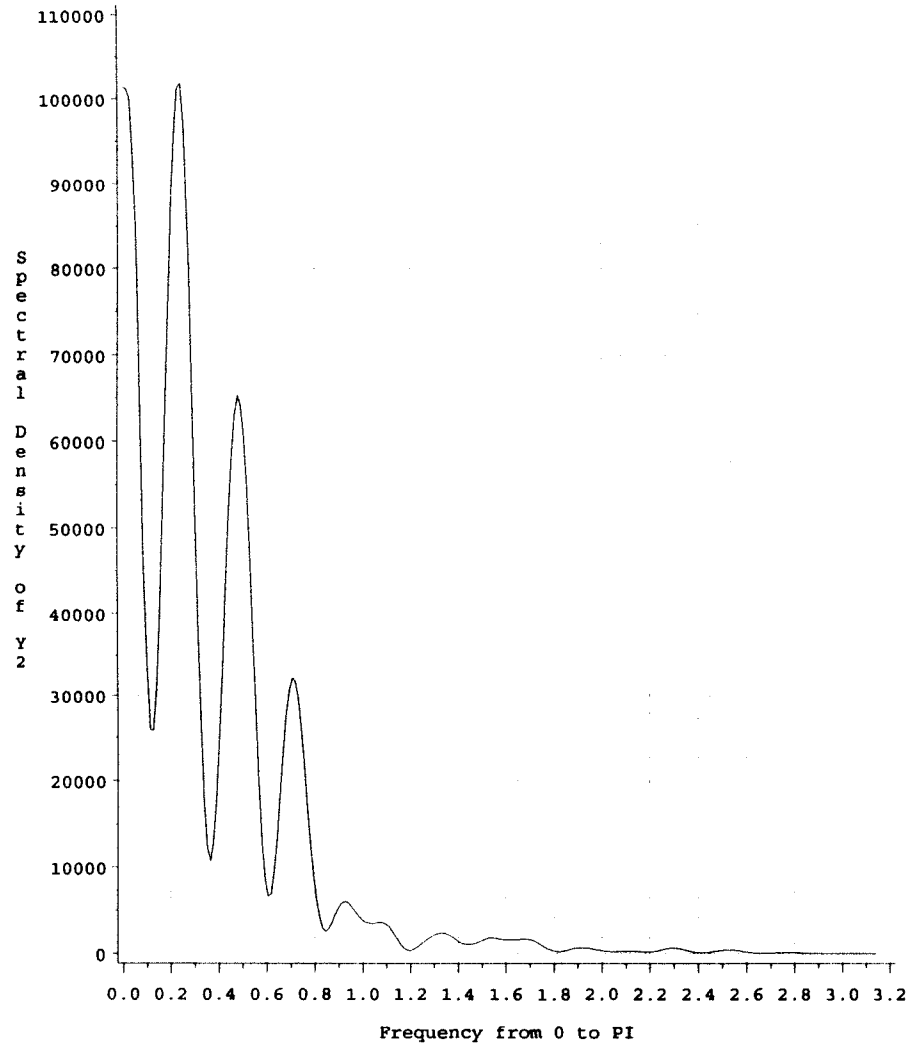
Spectral Window: 9 (Rec)  
Original Raw Data



GR.88

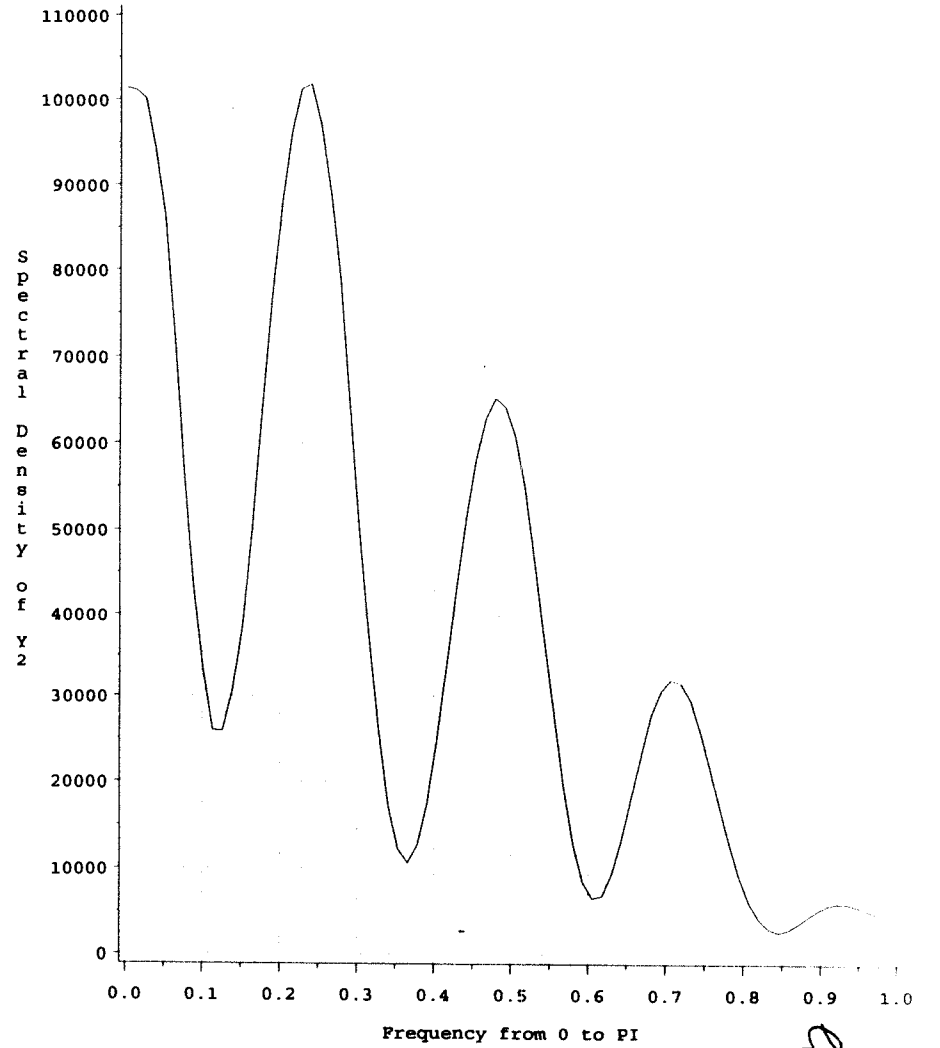
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 9 (Tri)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

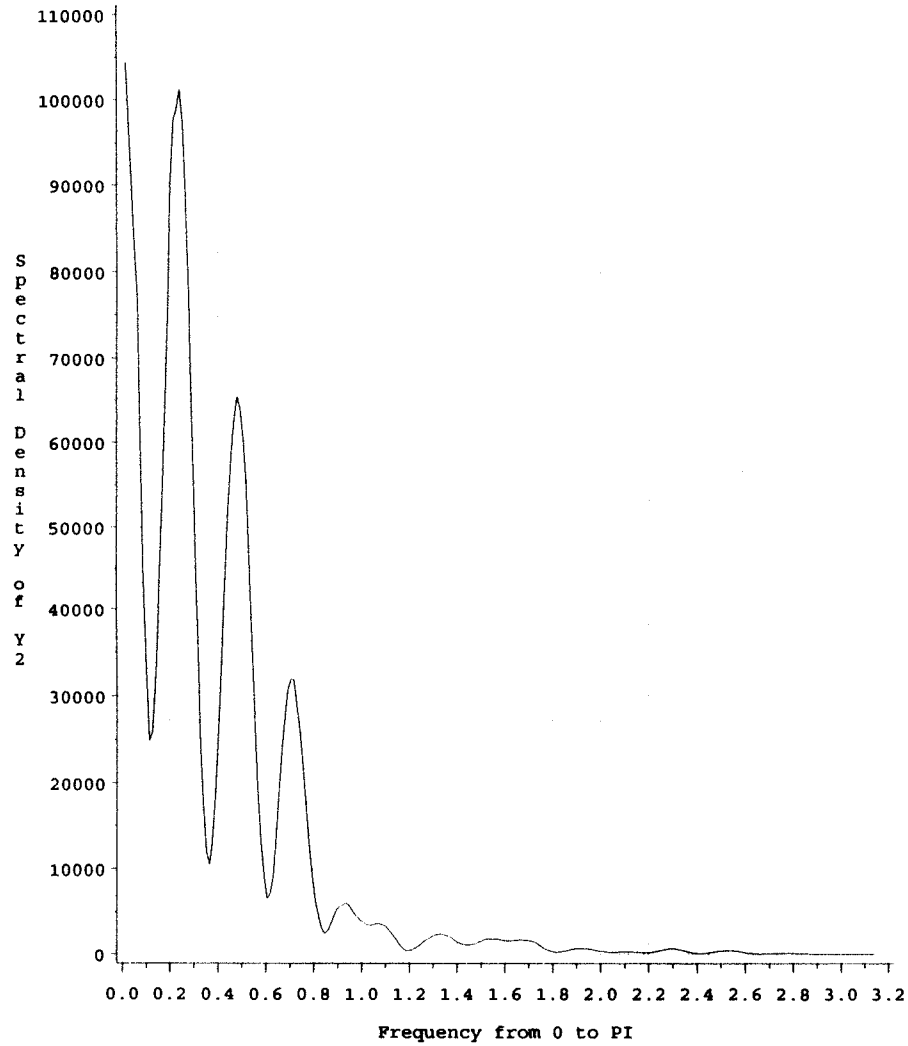
Spectral Window: 9 (Tri)  
Original Raw Data



ER.89

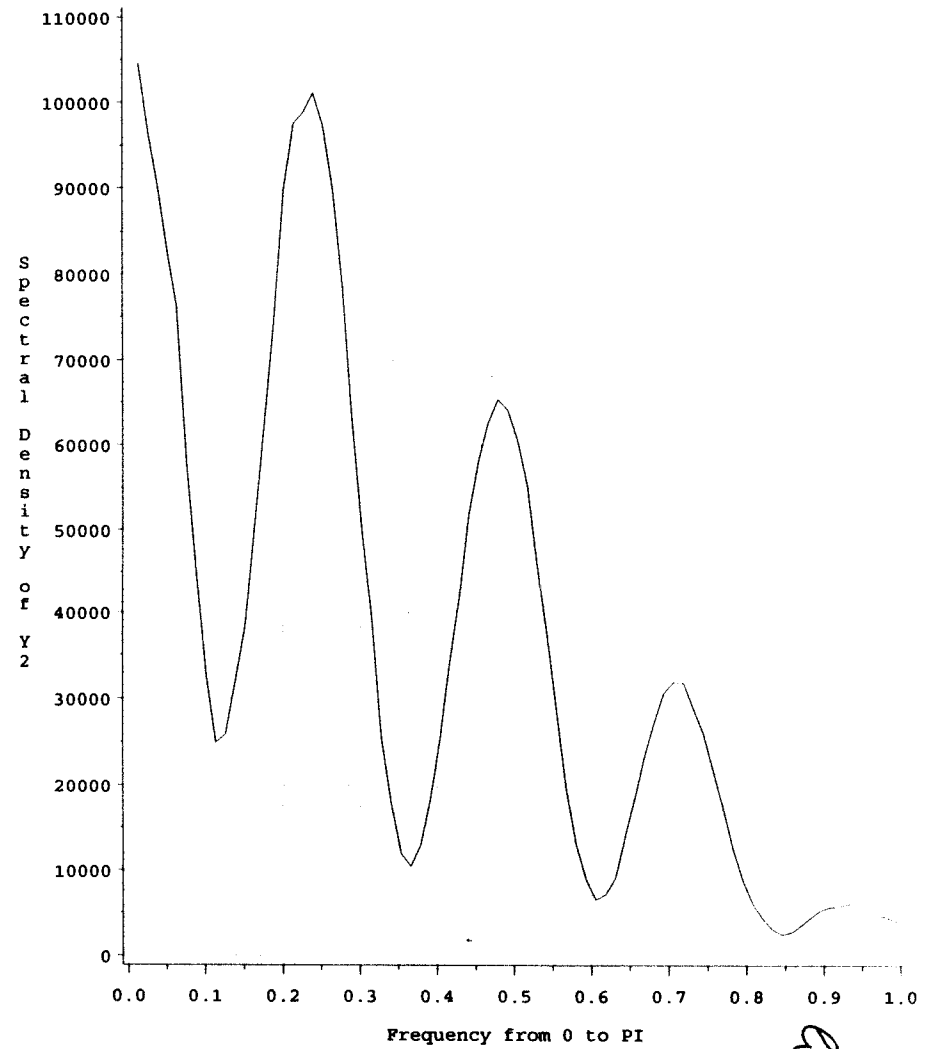
Spectral Density Estimates: (War B. Fatalities 1495-1992)

Spectral Window: 7 (Rec)  
Original Raw Data



Spectral Density Estimates: (War B. Fatalities 1495-1992)

Spectral Window: 7 (Rec)  
Original Raw Data

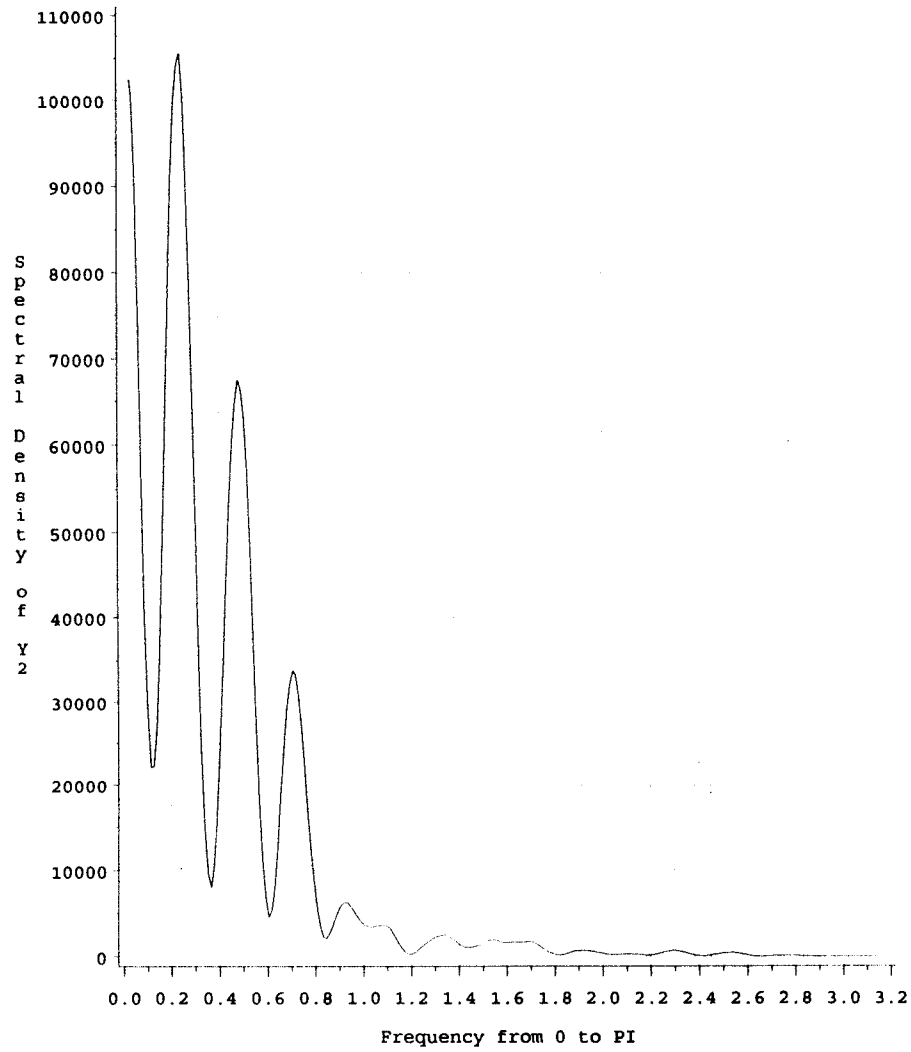


ER.90



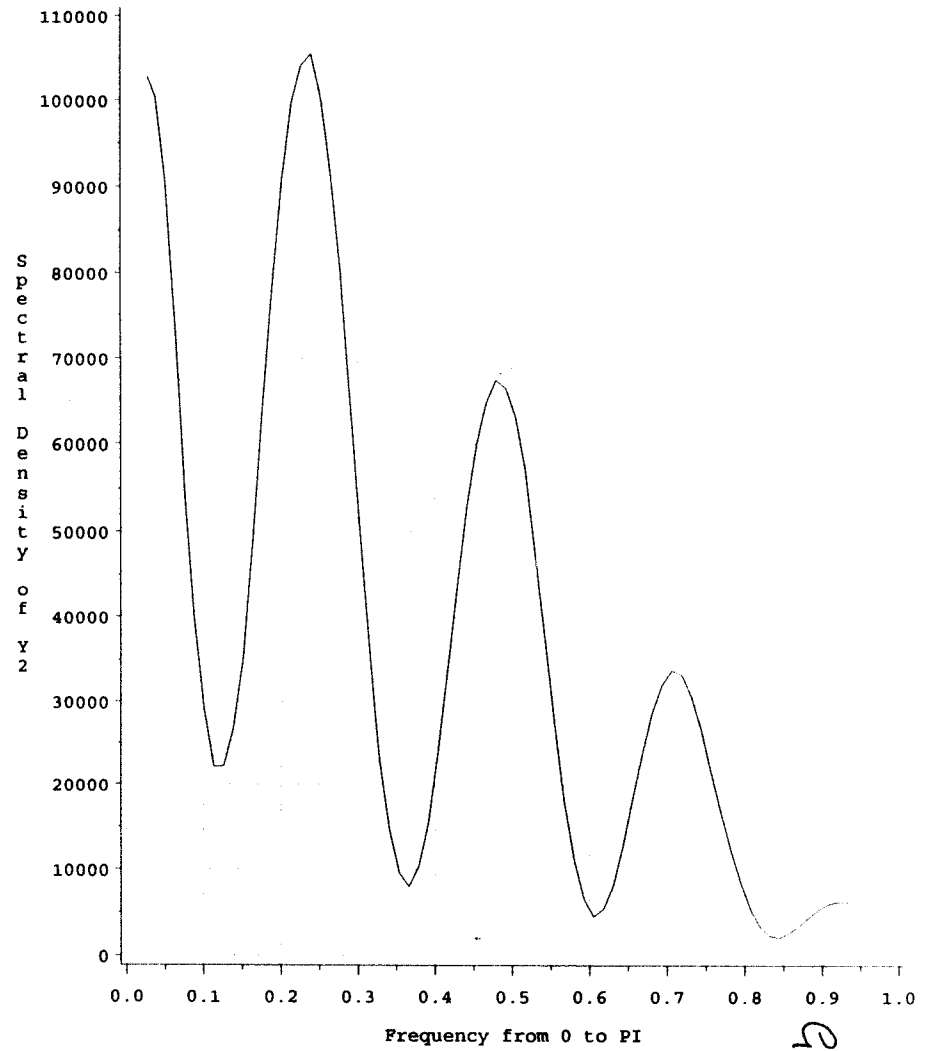
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Tri)  
Original Raw Data



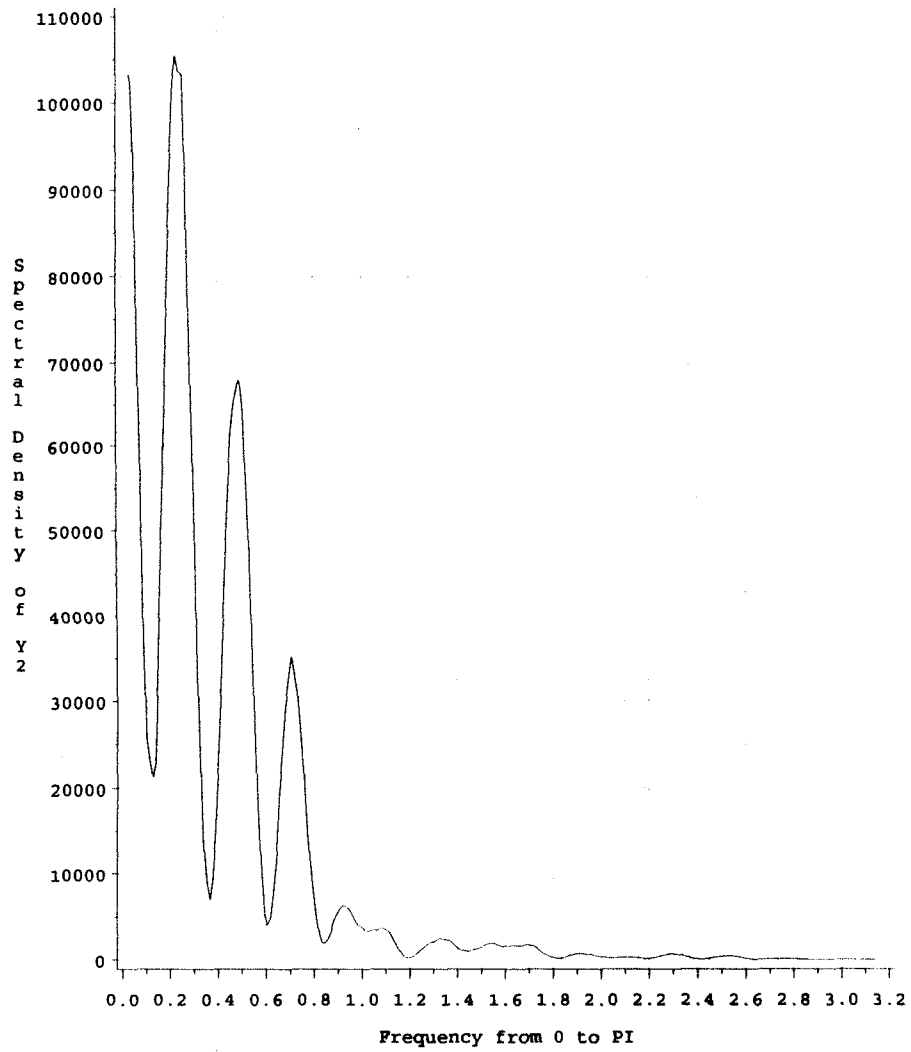
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Tri)  
Original Raw Data

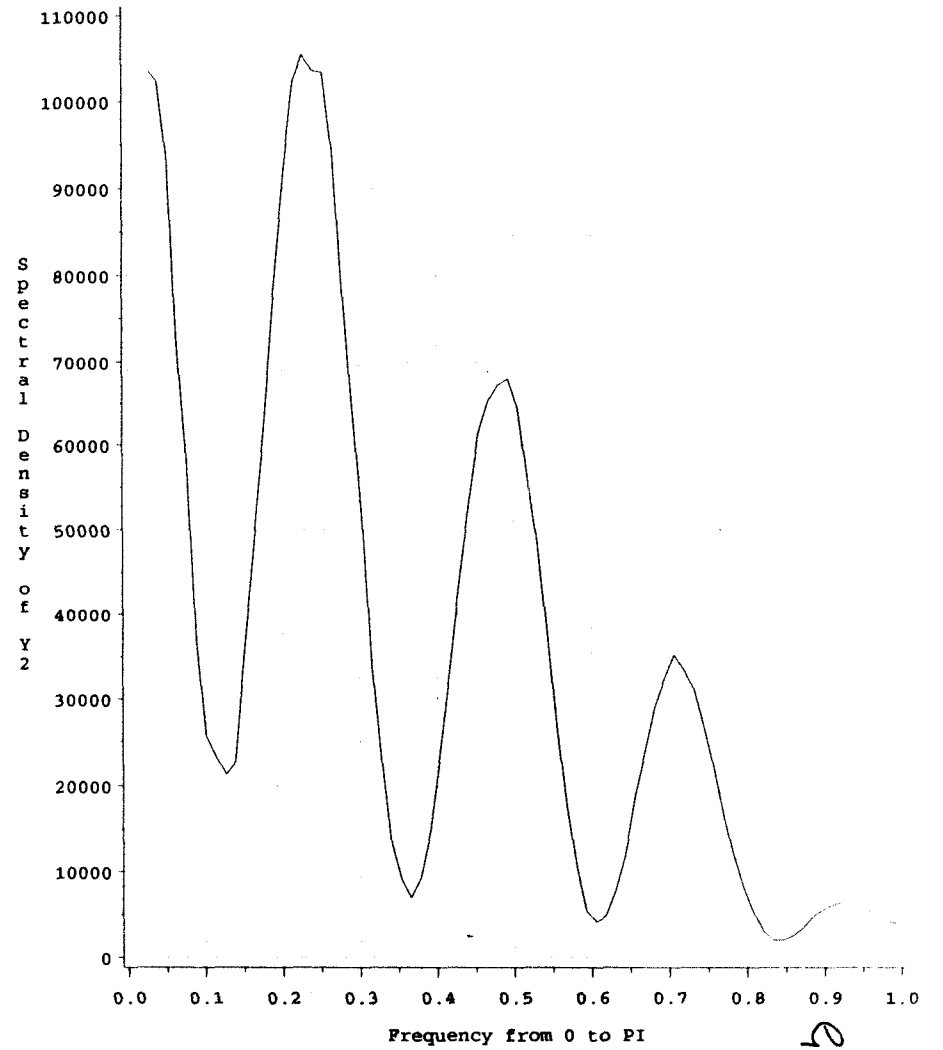


GR.91

Spectral Density Estimates:(War B.Fatalities 1495-1992  
Spectral Window: 5 (Rec)  
Original Raw Data



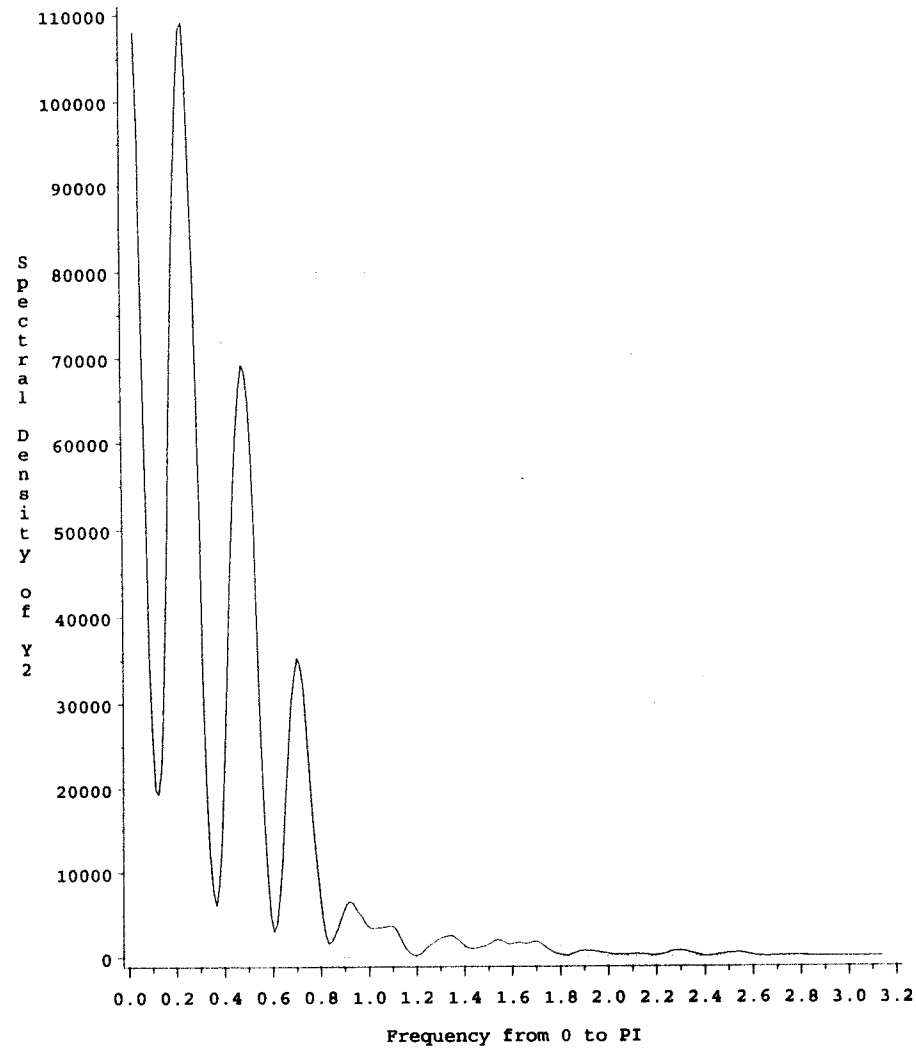
Spectral Density Estimates:(War B.Fatalities 1495-1992  
Spectral Window: 5 (Rec)  
Original Raw Data



ER.92

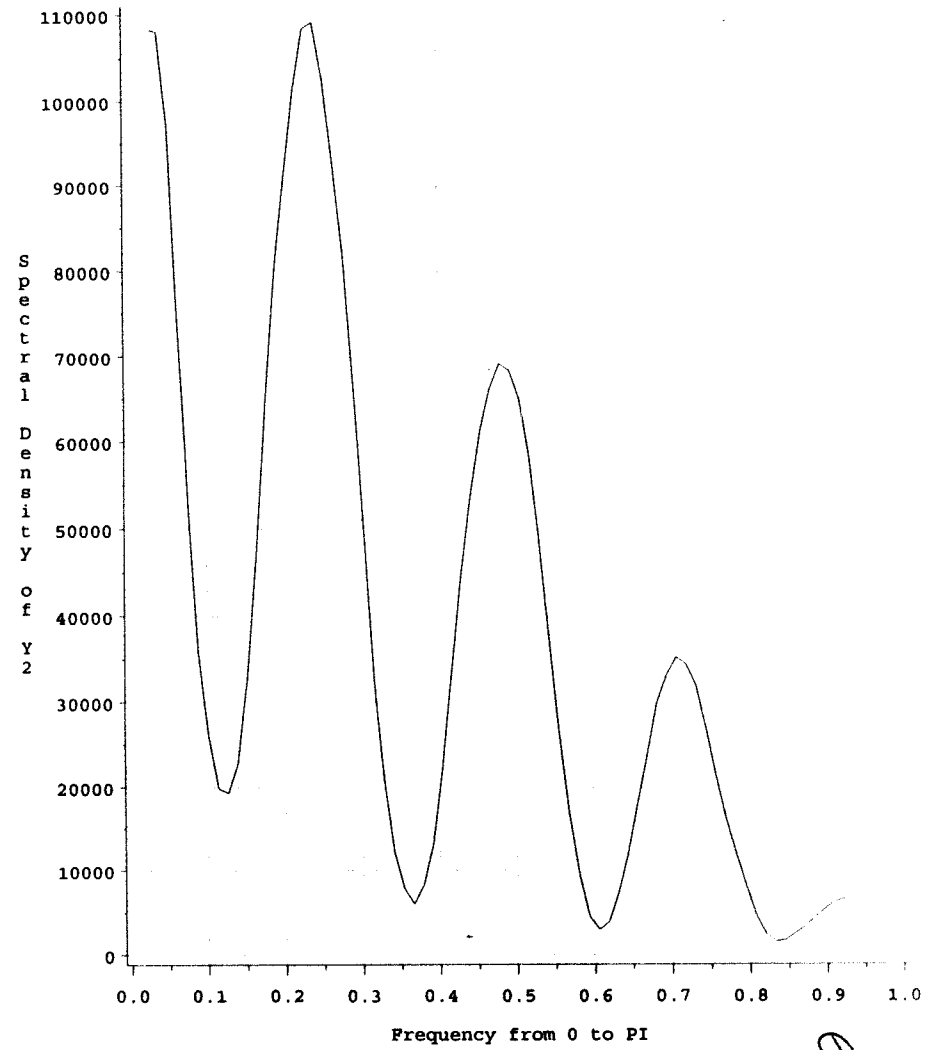
Spectral Density Estimates:(War B.Fatalities 1495 1992)

Spectral Window: 5 (Tri)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalities 1495 1992)

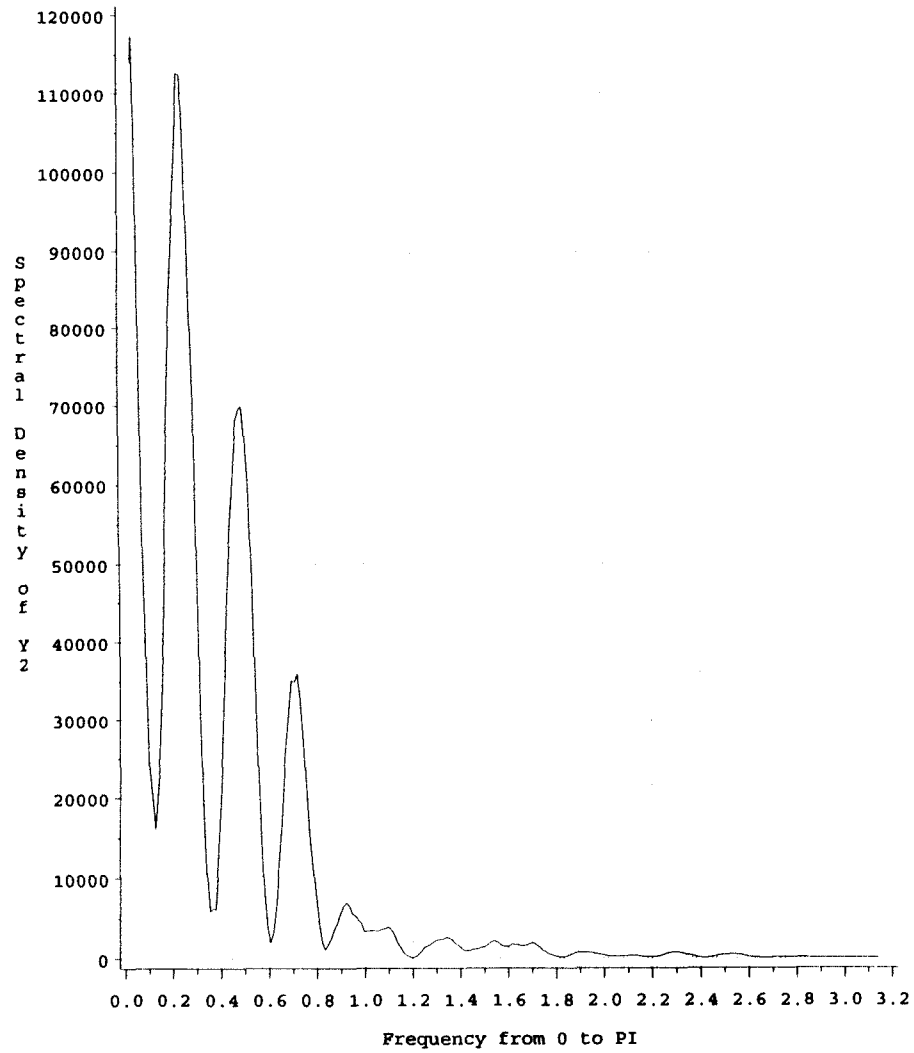
Spectral Window: 5 (Tri)  
Original Raw Data



ER.93

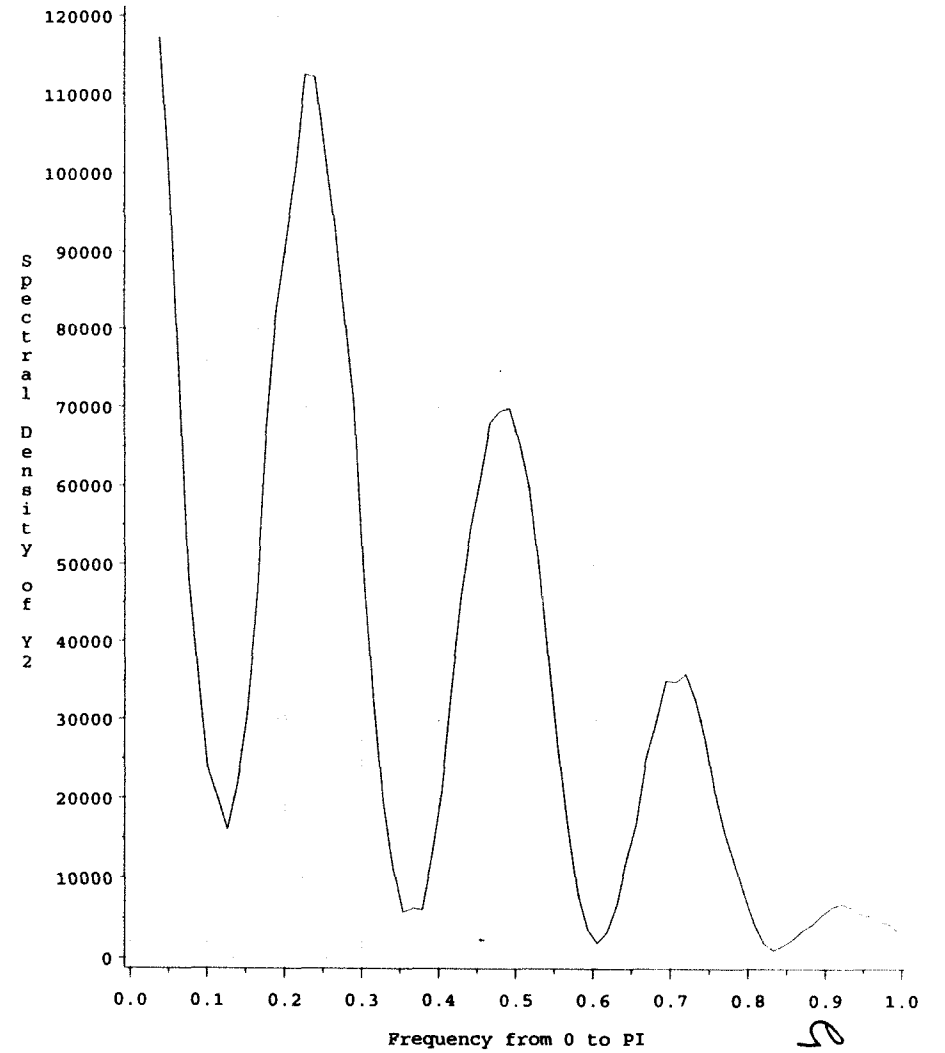
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Rec)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

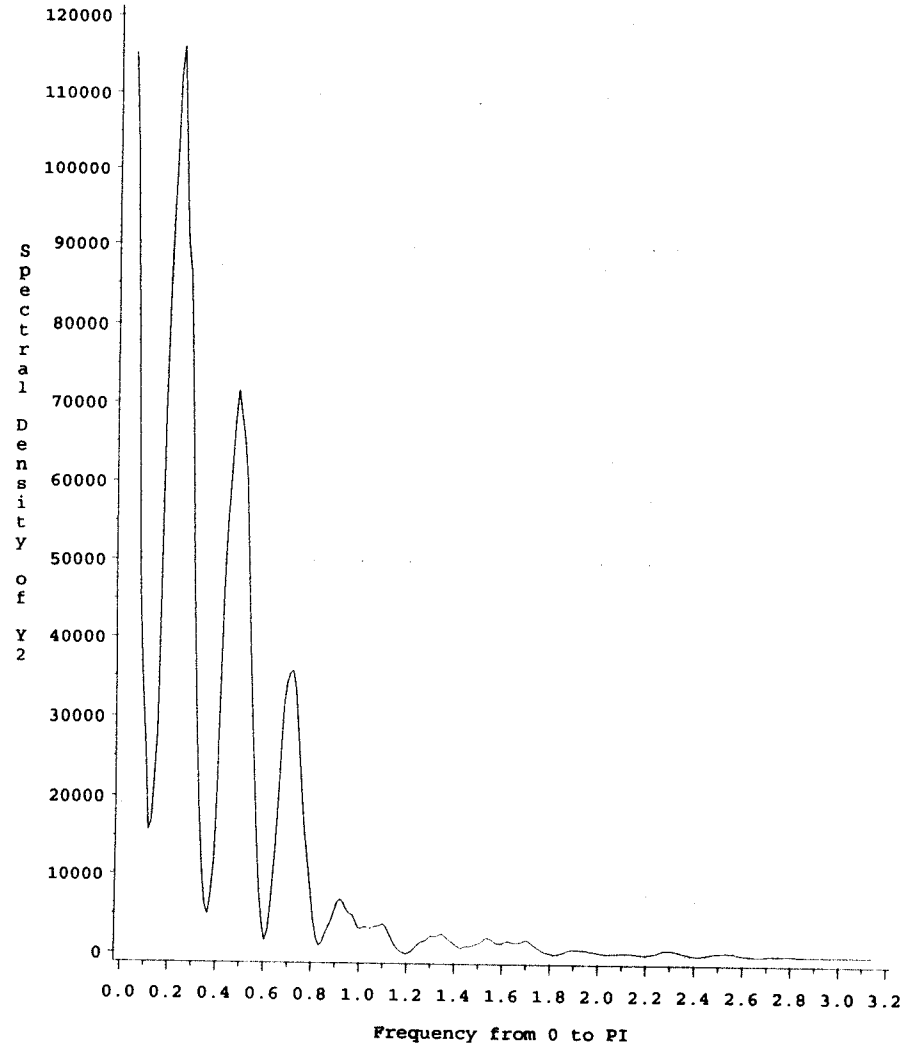
Spectral Window: 3 (Rec)  
Original Raw Data



GR.94

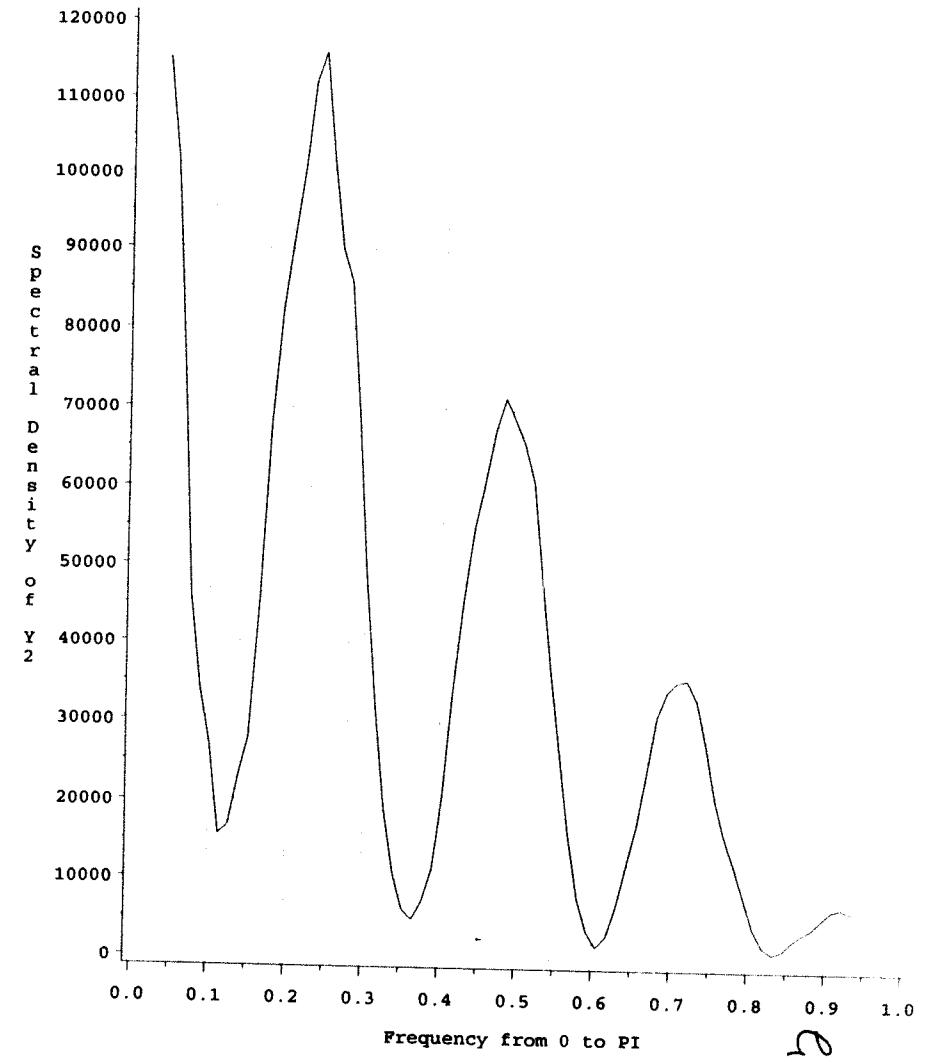
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Tri)  
Original Raw Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

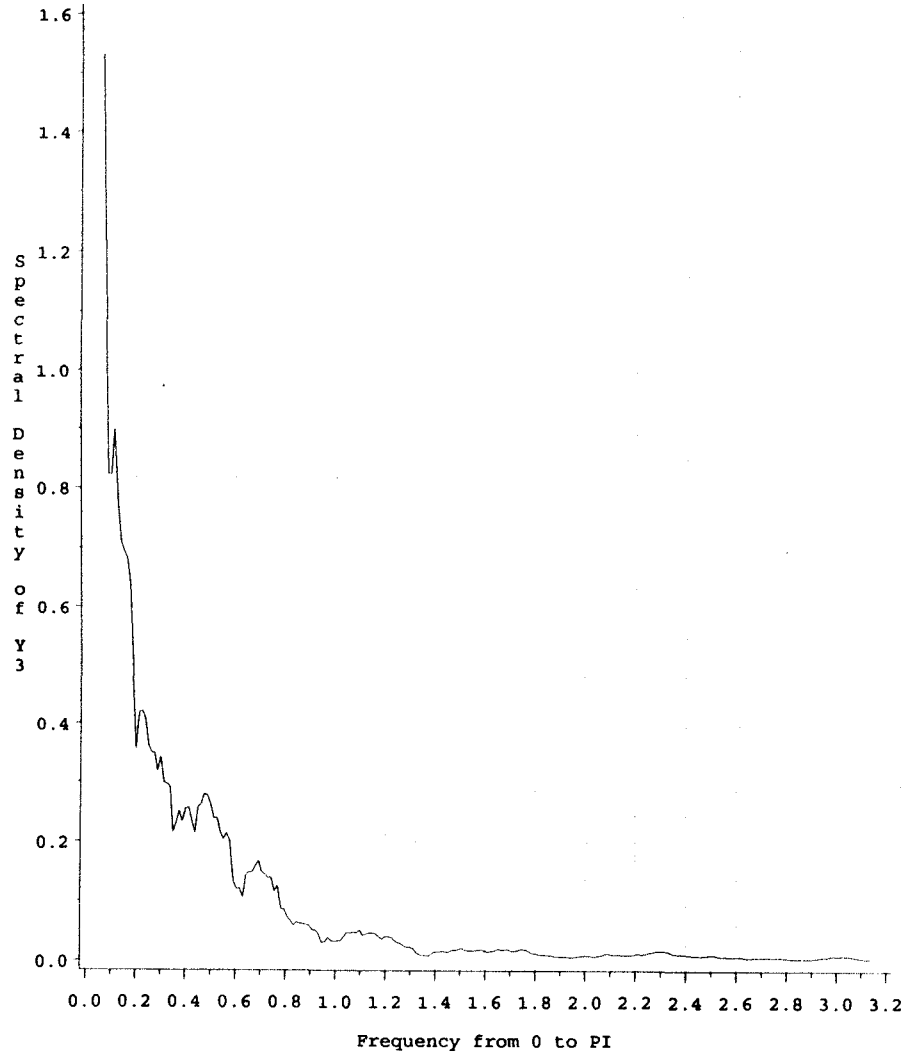
Spectral Window: 3 (Tri)  
Original Raw Data



ER.95

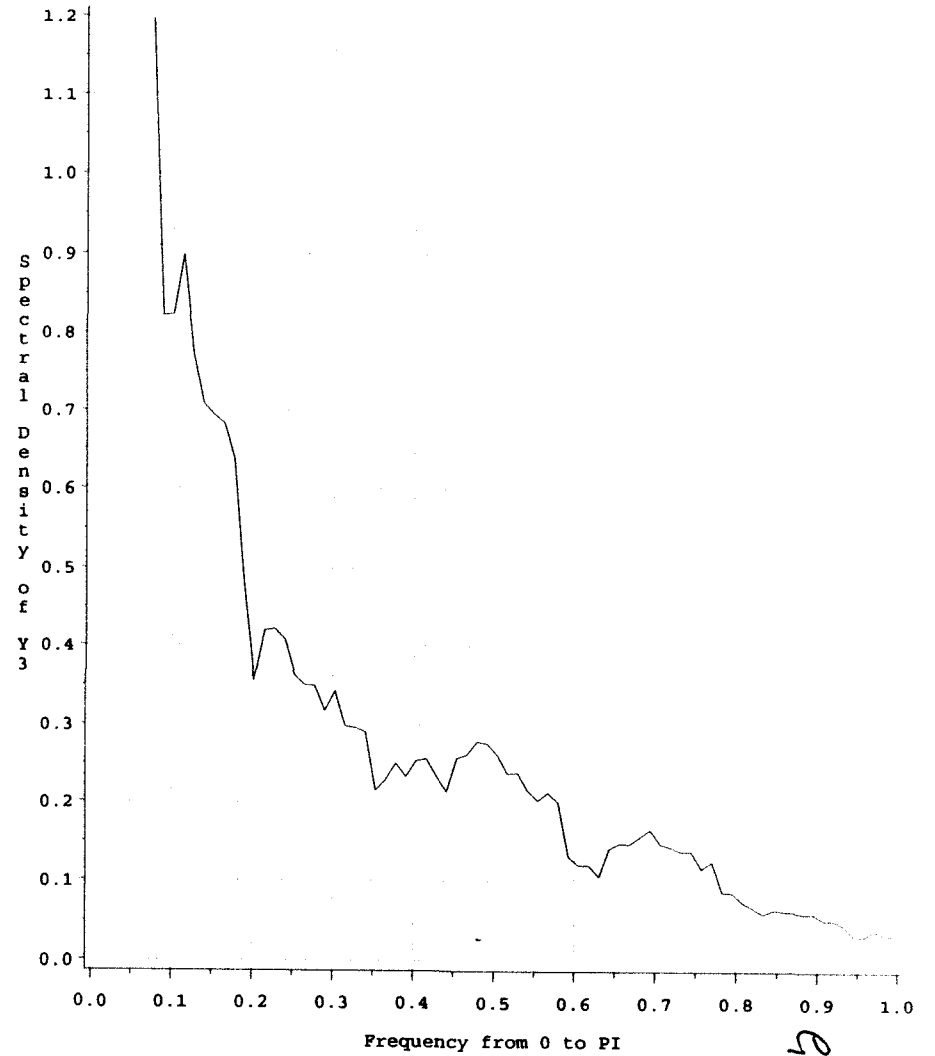
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 11 (Rec)  
Log of Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

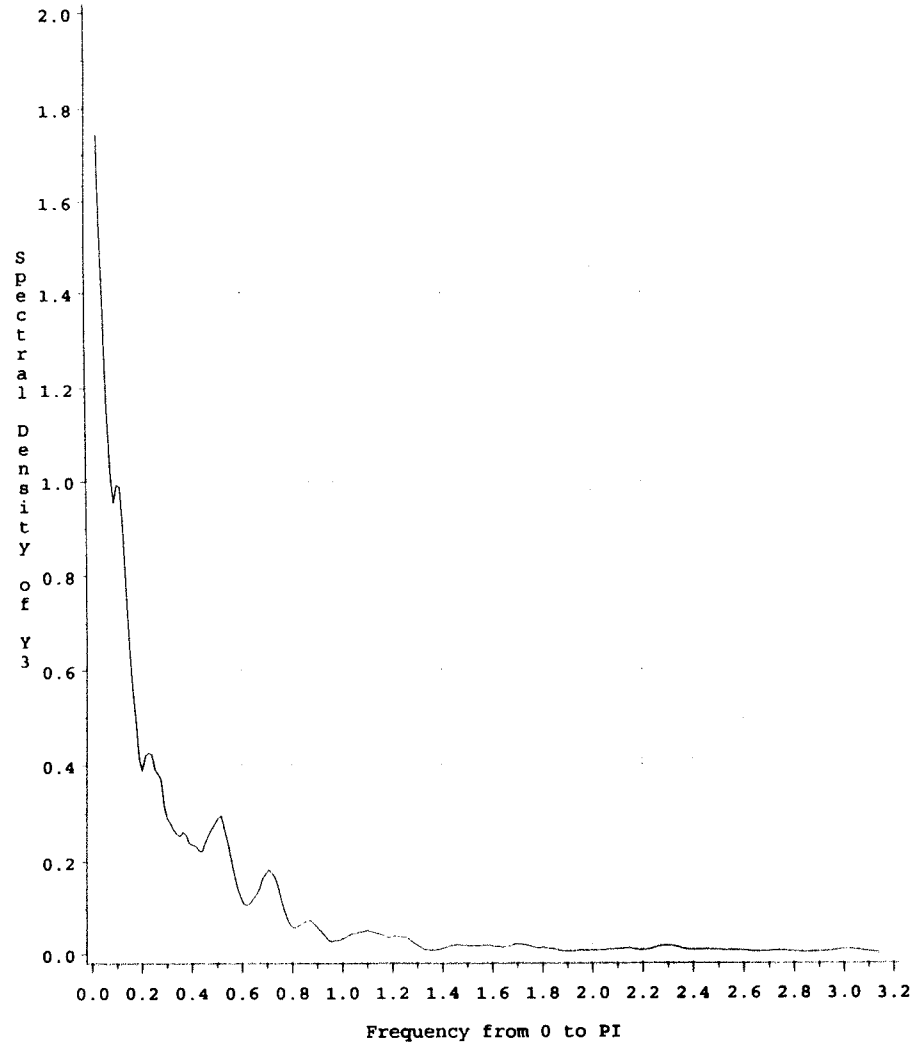
Spectral Window: 11 (Rec)  
Log of Data



ER.96

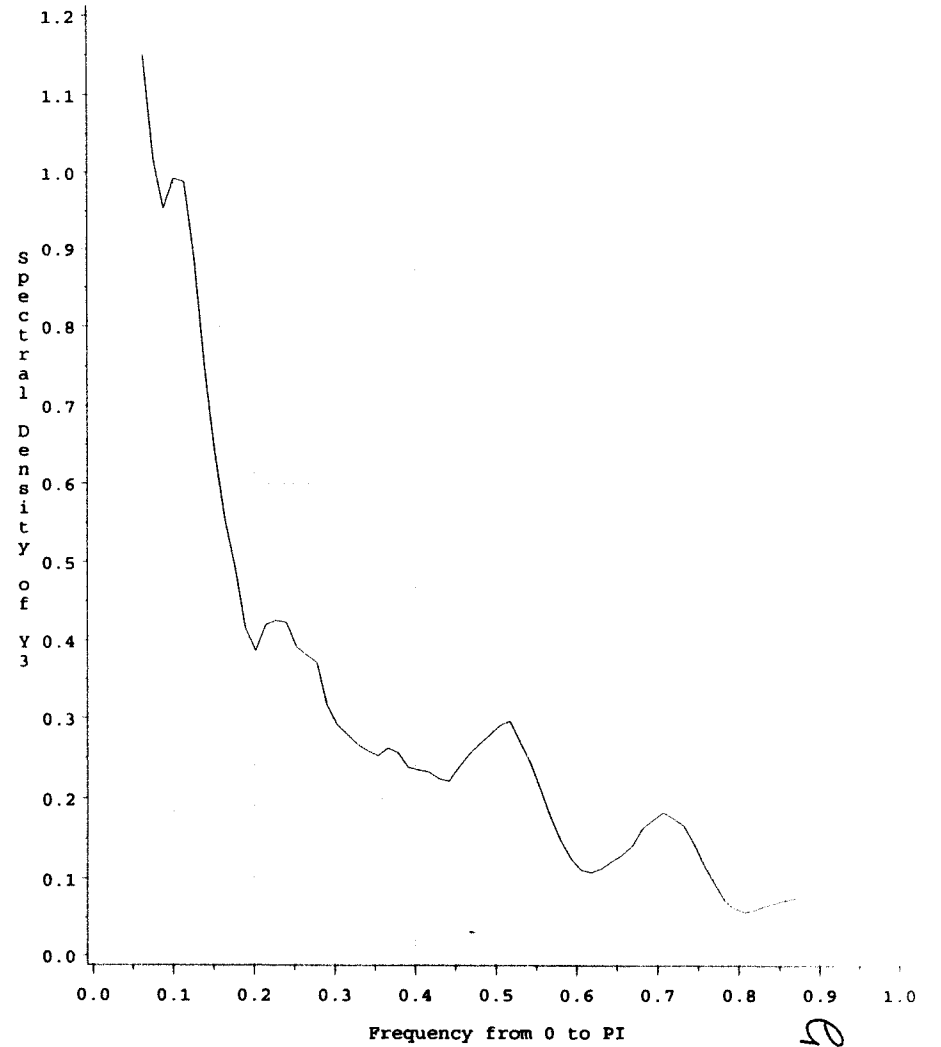
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 11 (Tri)  
Log of Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

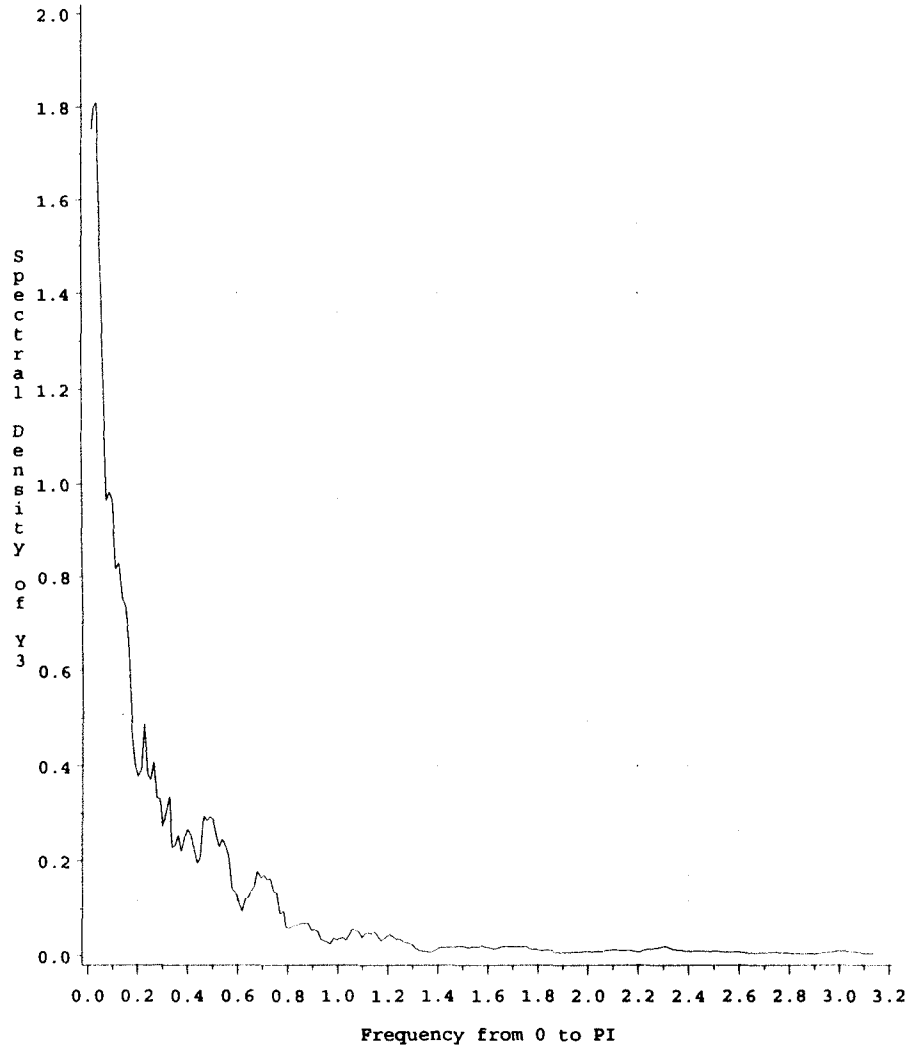
Spectral Window: 11 (Tri)  
Log of Data



ER.97

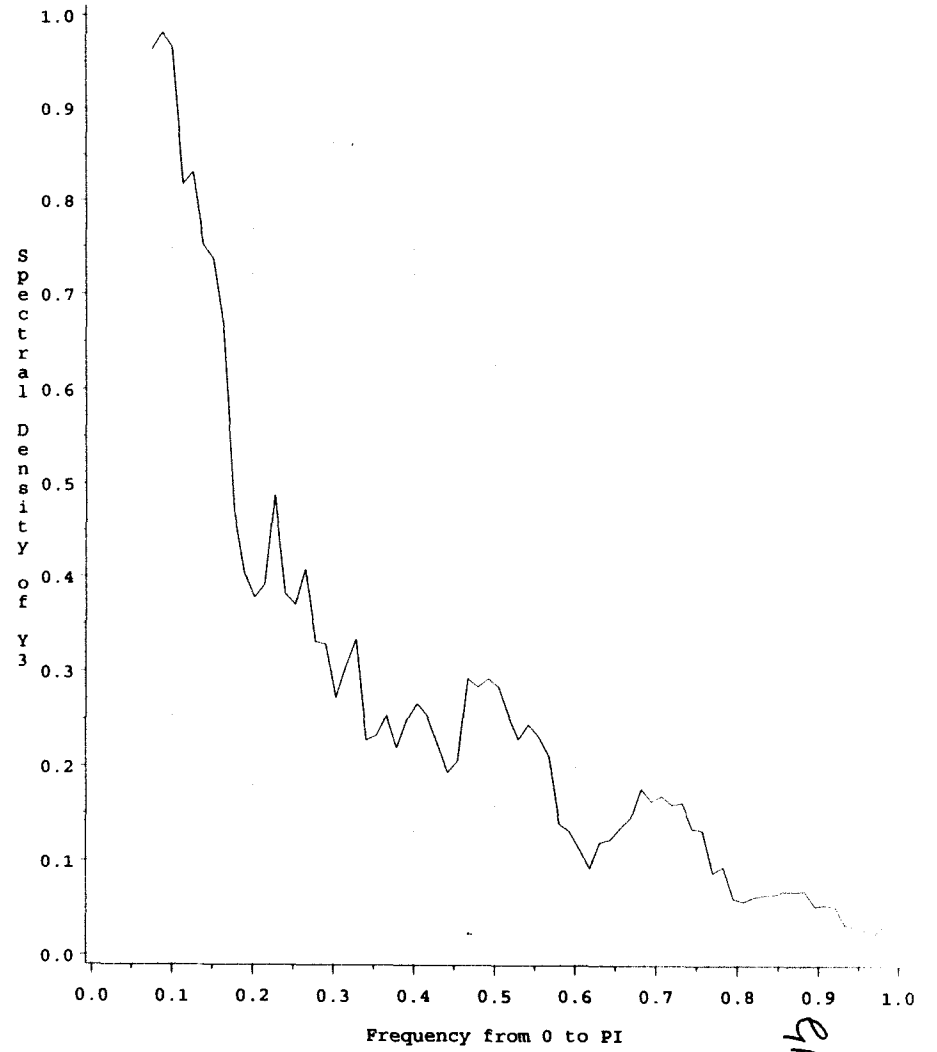
Spectral Density Estimates: (War B. Fatalities 1495-1992)

Spectral Window: 9 (Rec)  
Log of Data



Spectral Density Estimates: (War B. Fatalities 1495-1992)

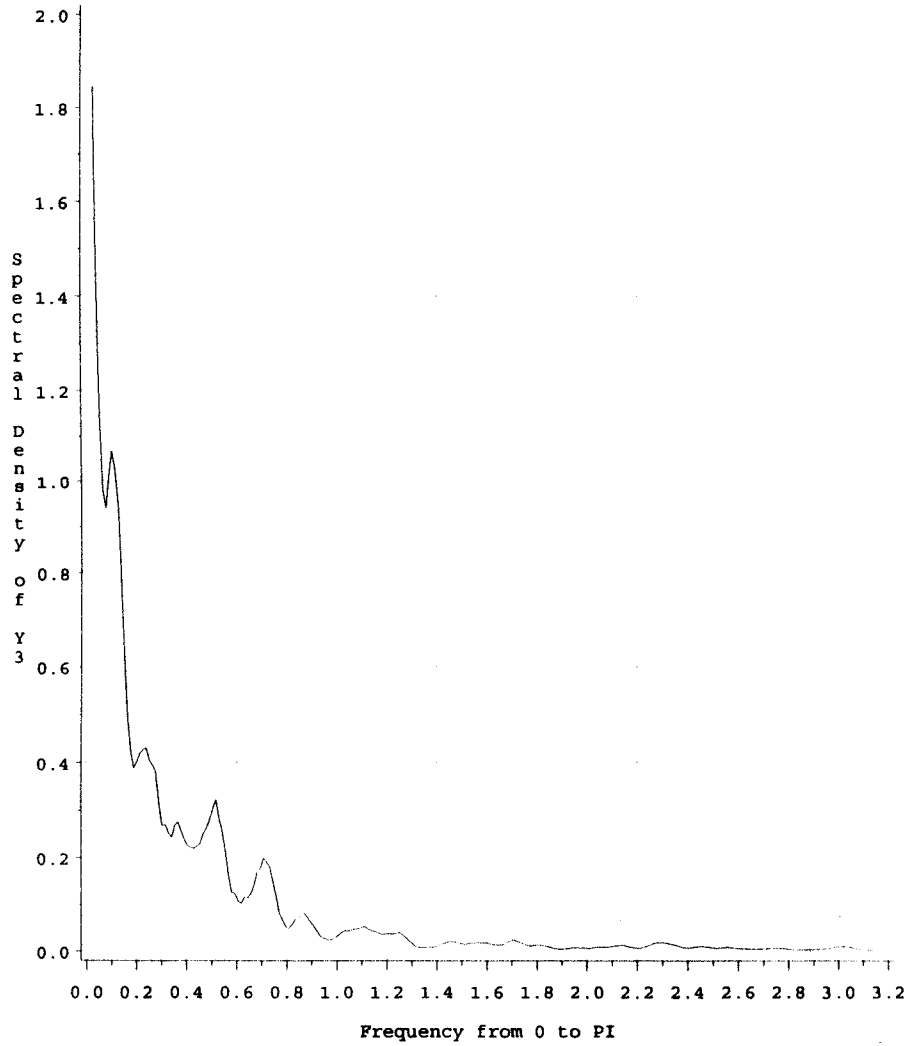
Spectral Window: 9 (Rec)  
Log of Data



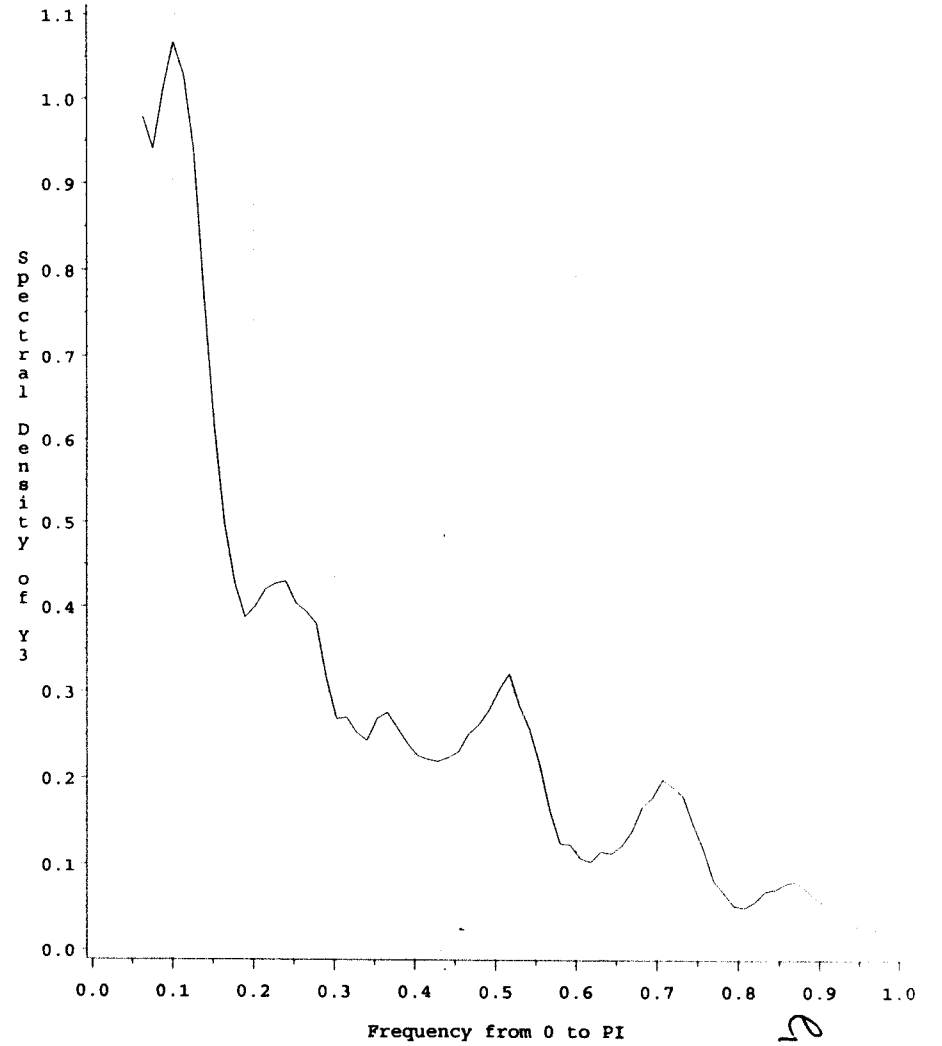
ER.98



Spectral Density Estimates:(War B.Fatalities 1495-1992)  
Spectral Window: 9 (Tri)  
Log of Data



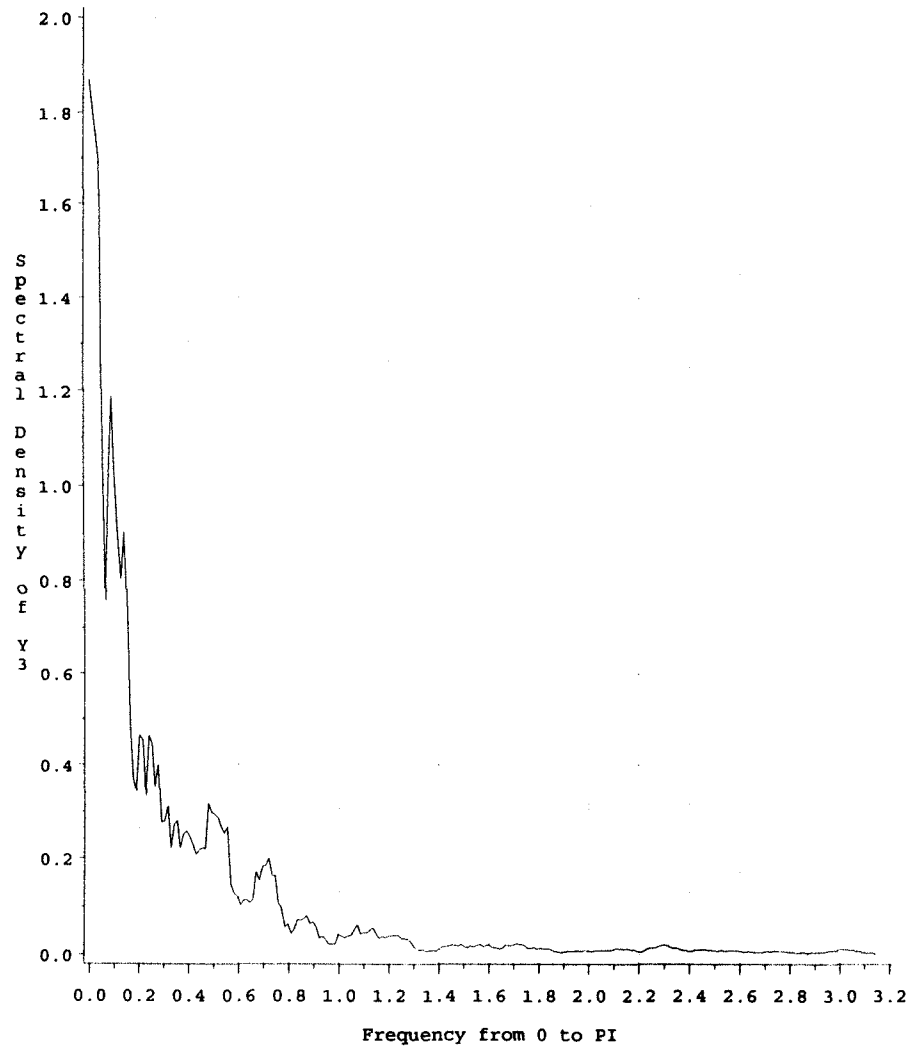
Spectral Density Estimates:(War B.Fatalities 1495-1992)  
Spectral Window: 9 (Tri)  
Log of Data



ER.99

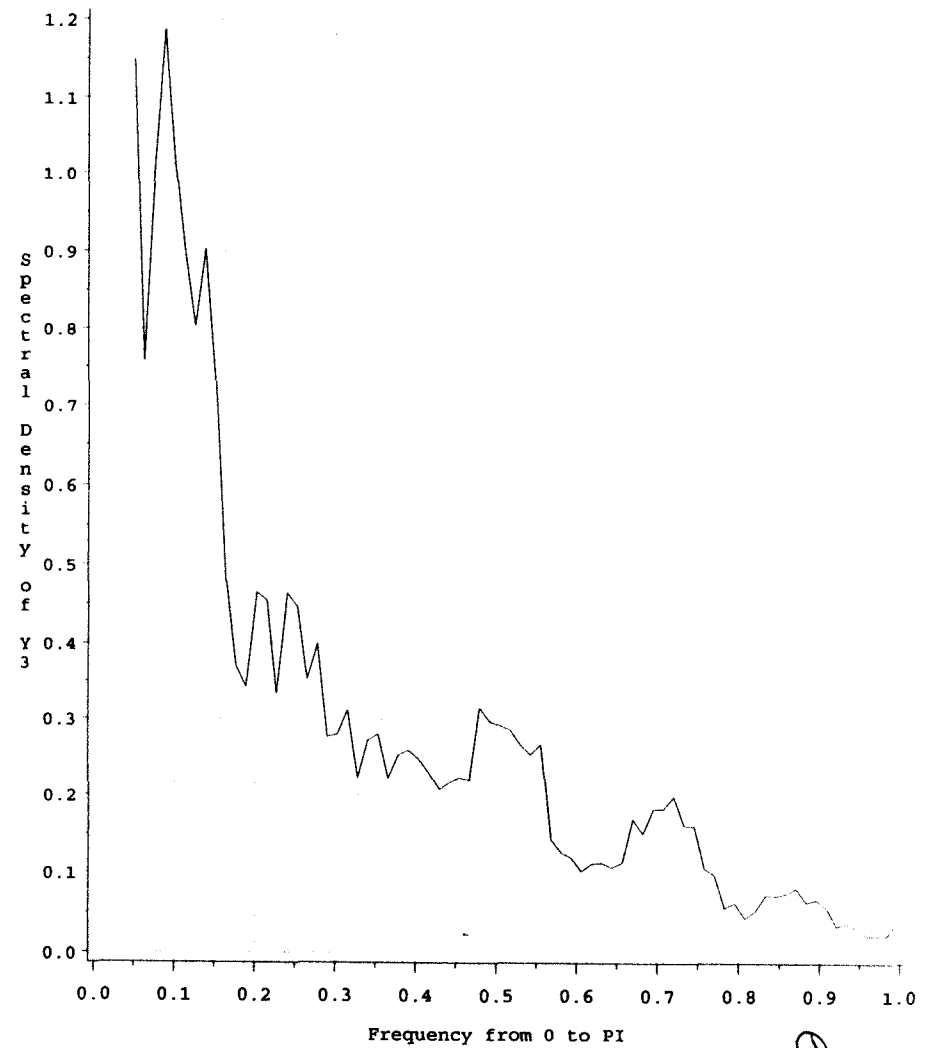
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Rec)  
Log of Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

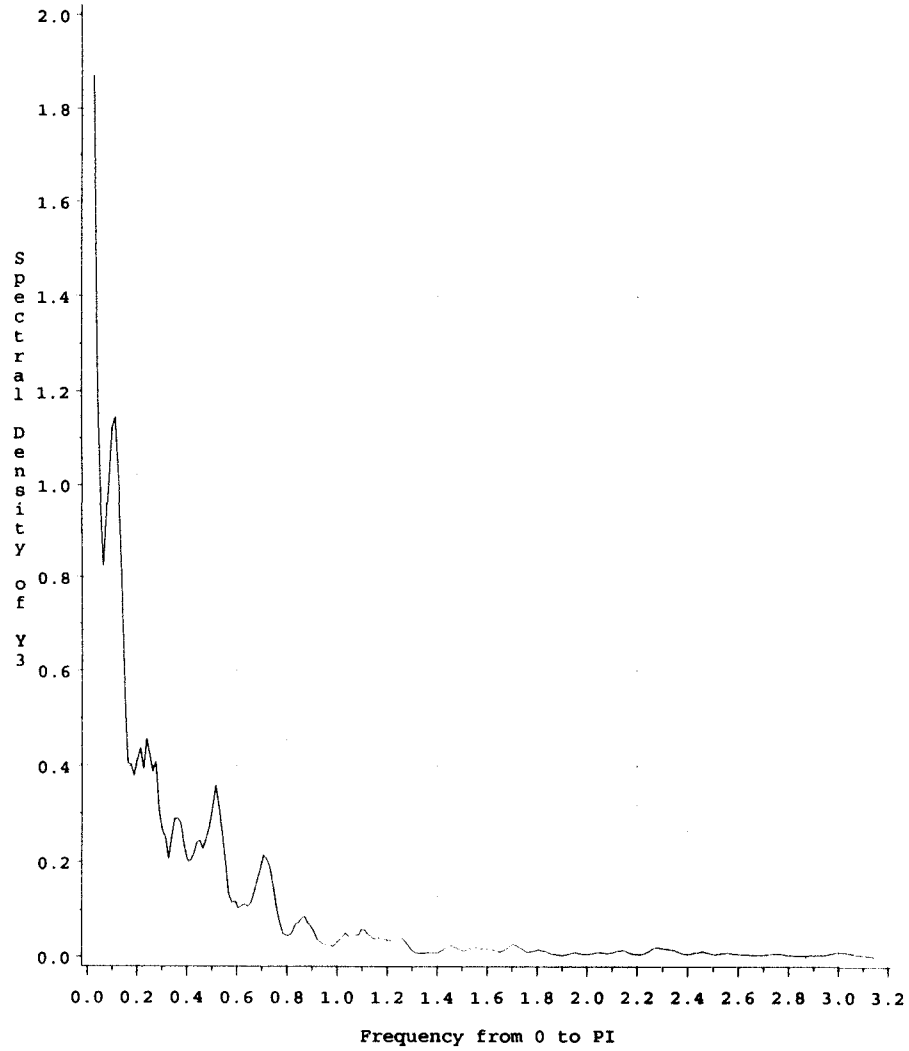
Spectral Window: 7 (Rec)  
Log of Data



ER, 100

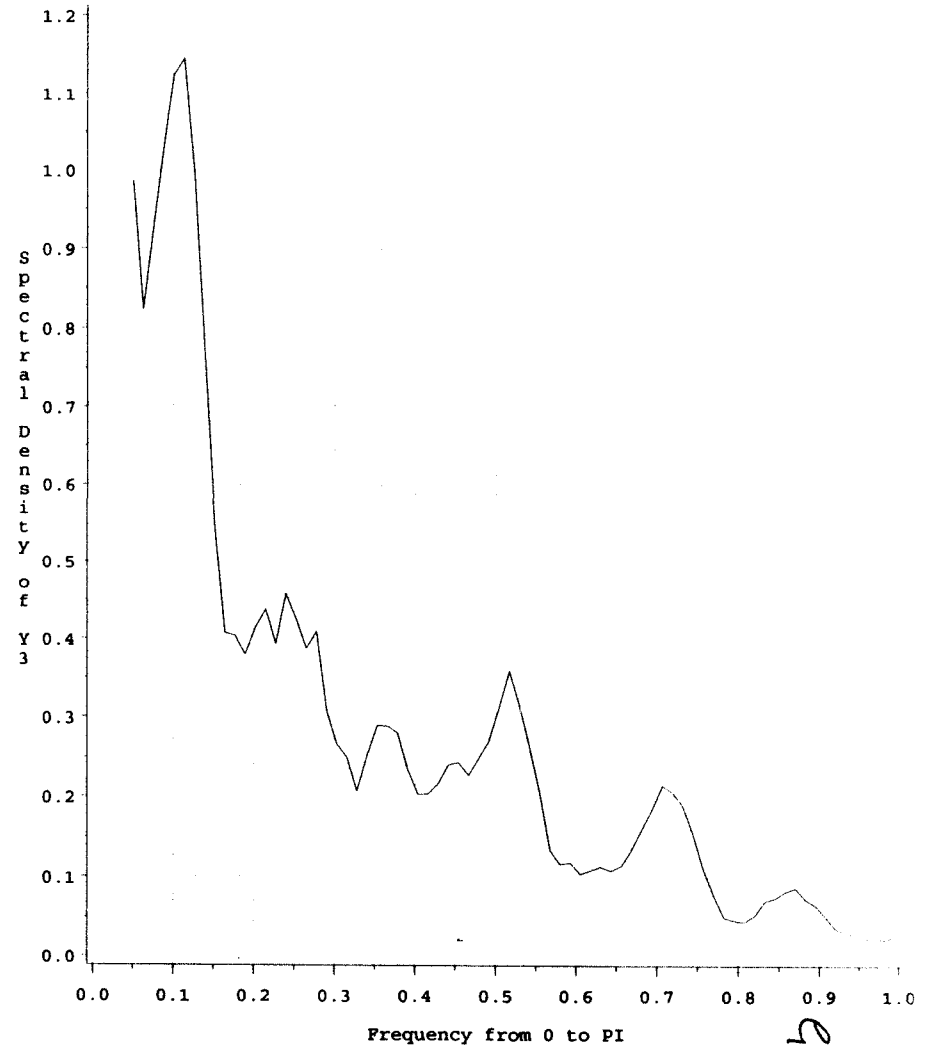
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Tri)  
Log of Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

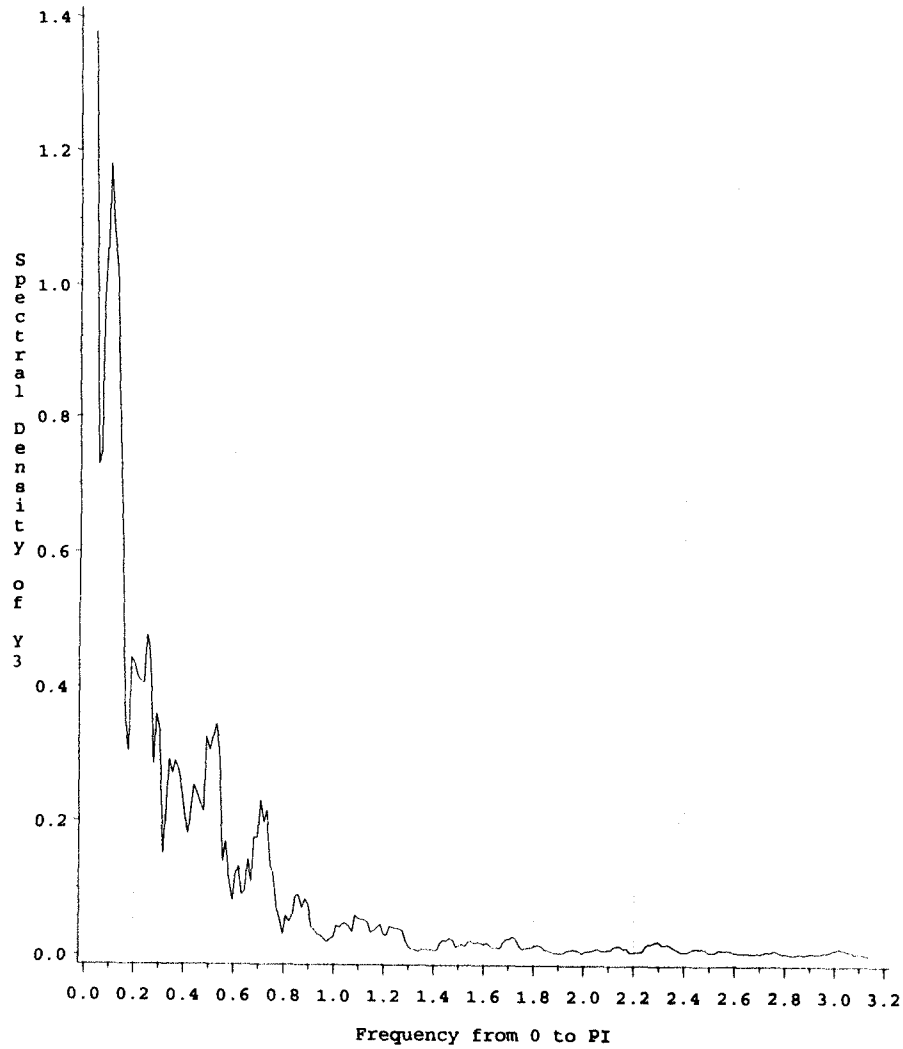
Spectral Window: 7 (Tri)  
Log of Data



QR.101

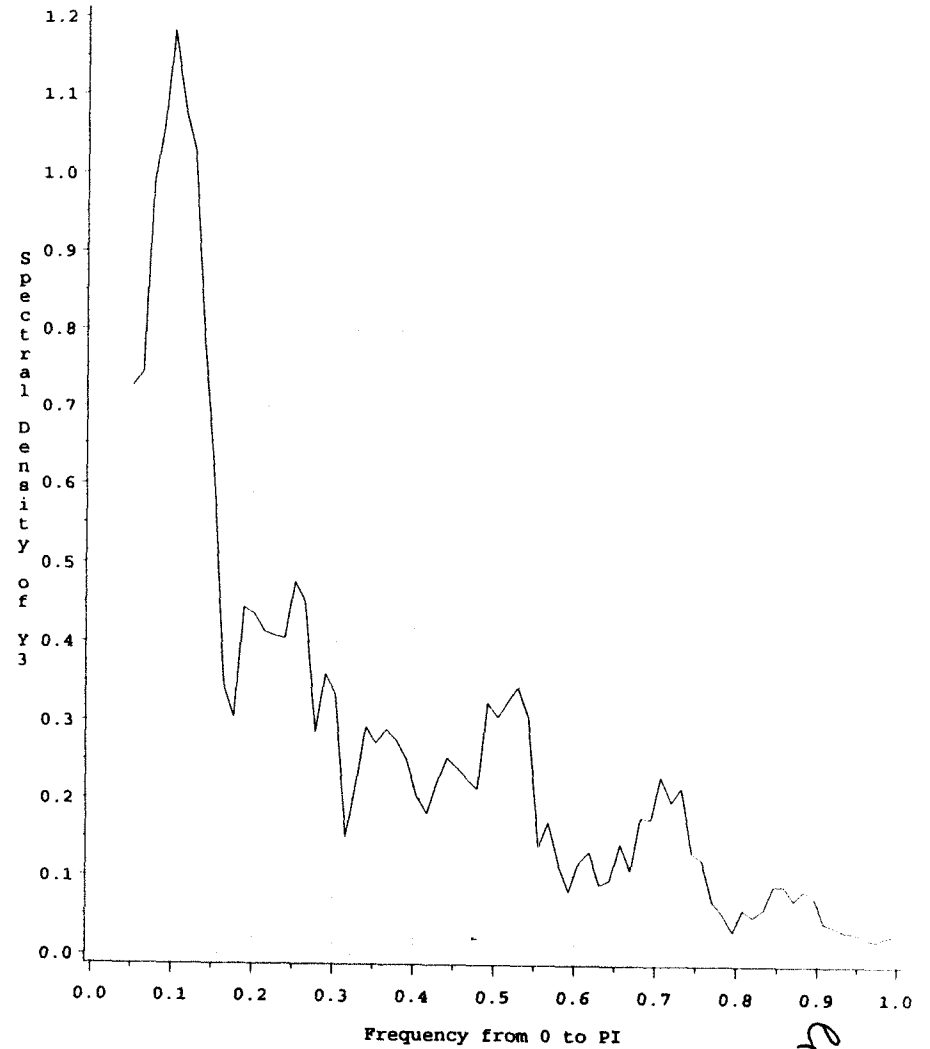
Spectral Density Estimates: (War B. Fatalities 1495-1992)

Spectral Window: 5 (Rec)  
Log of Data



Spectral Density Estimates: (War B. Fatalities 1495-1992)

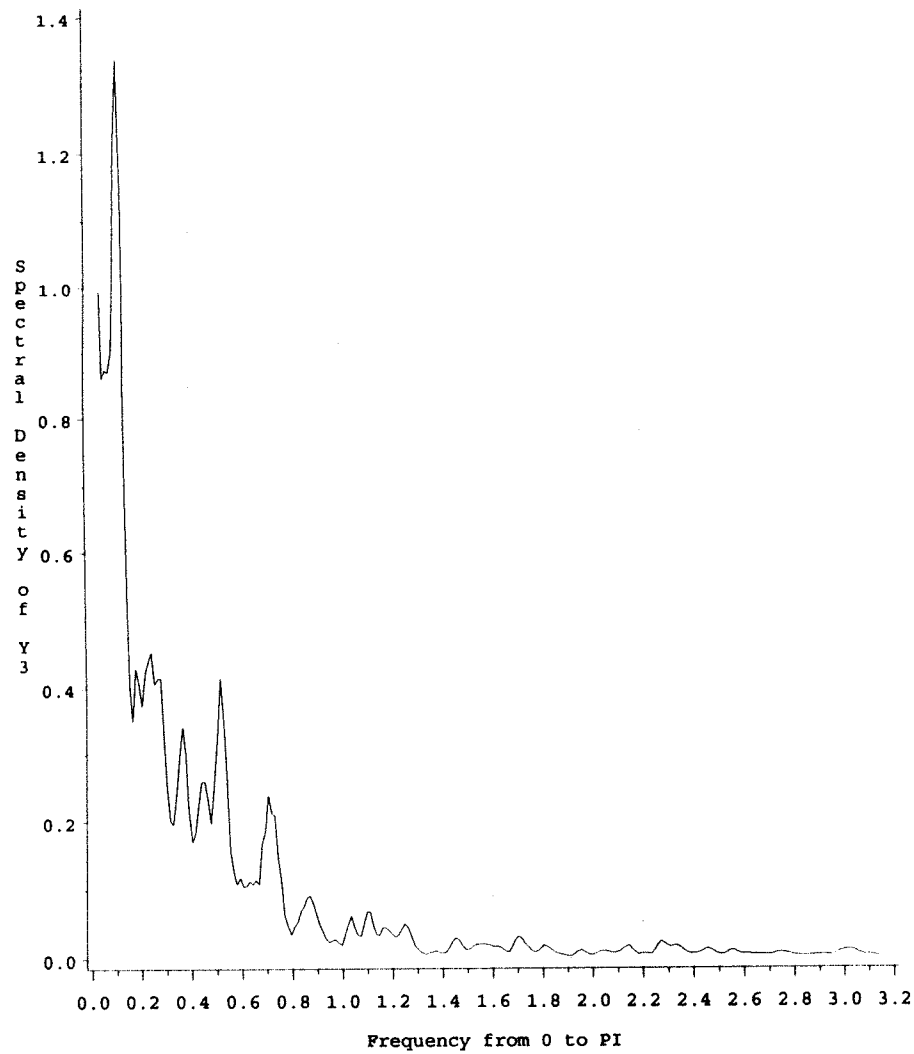
Spectral Window: 5 (Rec)  
Log of Data



ER. 102

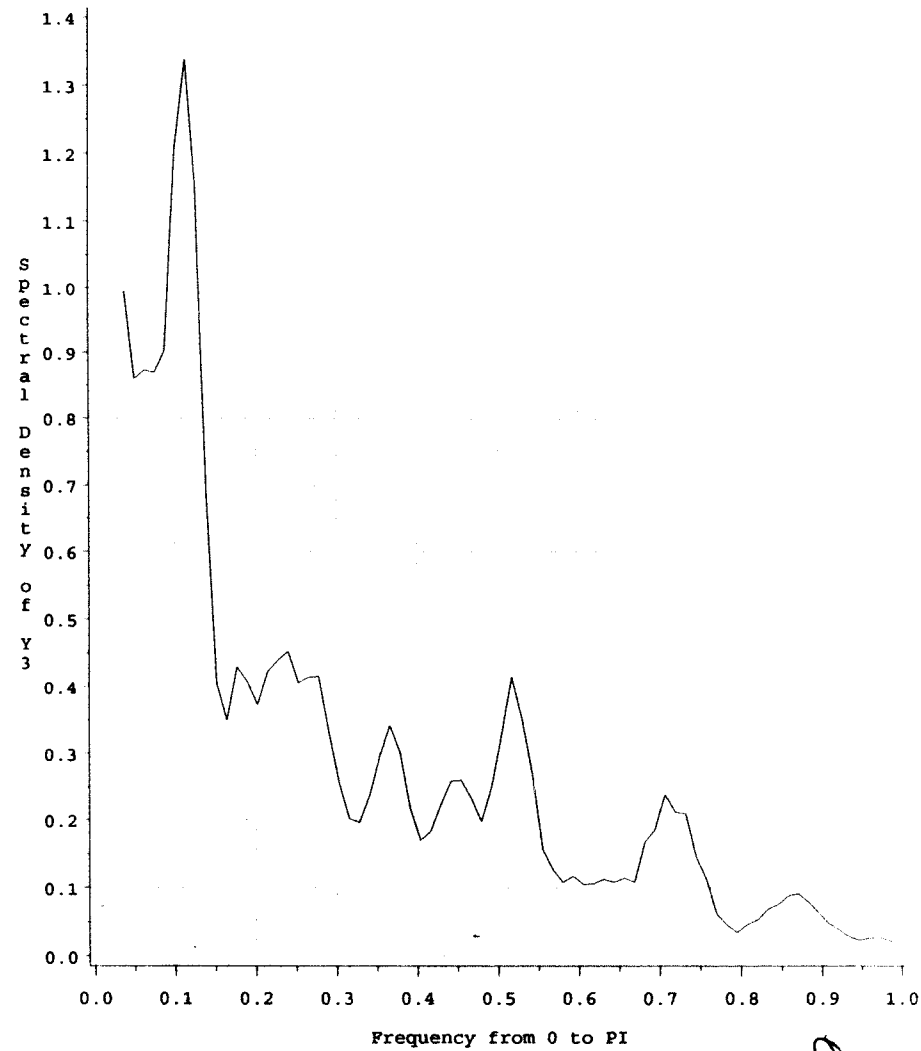
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 5 (Tri)  
Log of Data



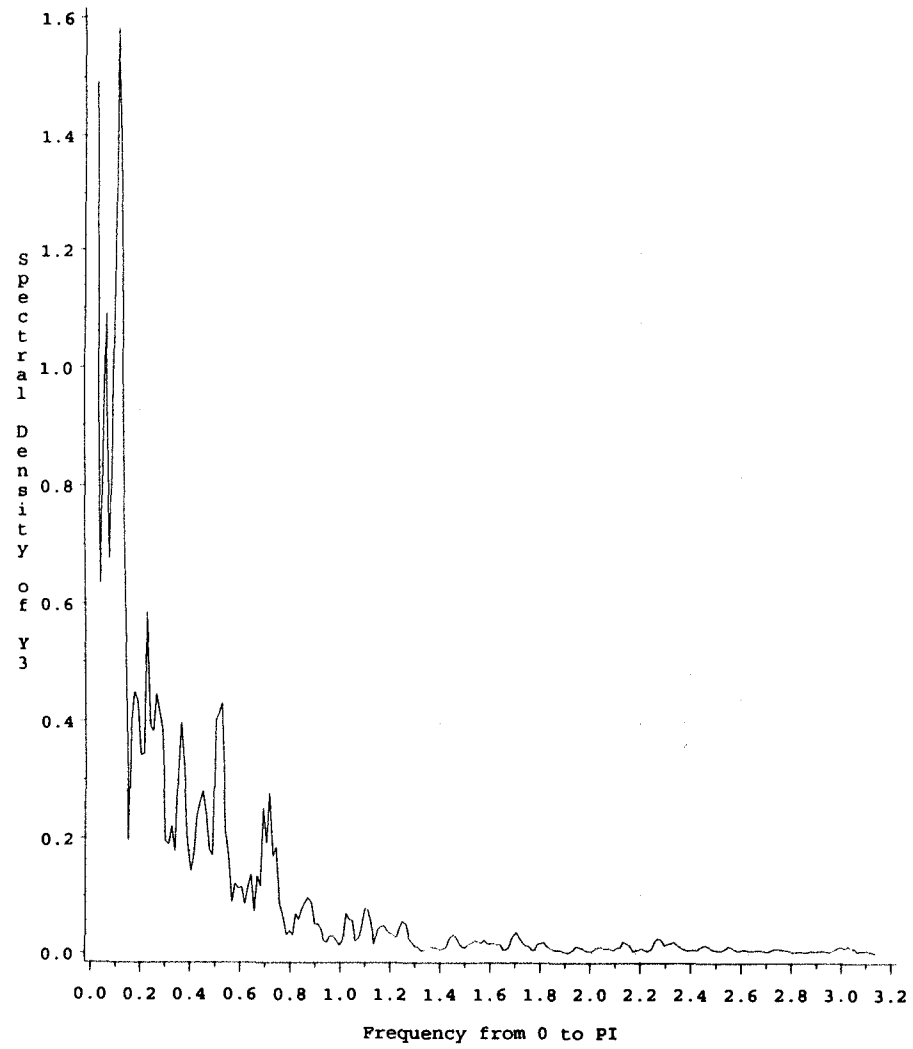
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 5 (Tri)  
Log of Data

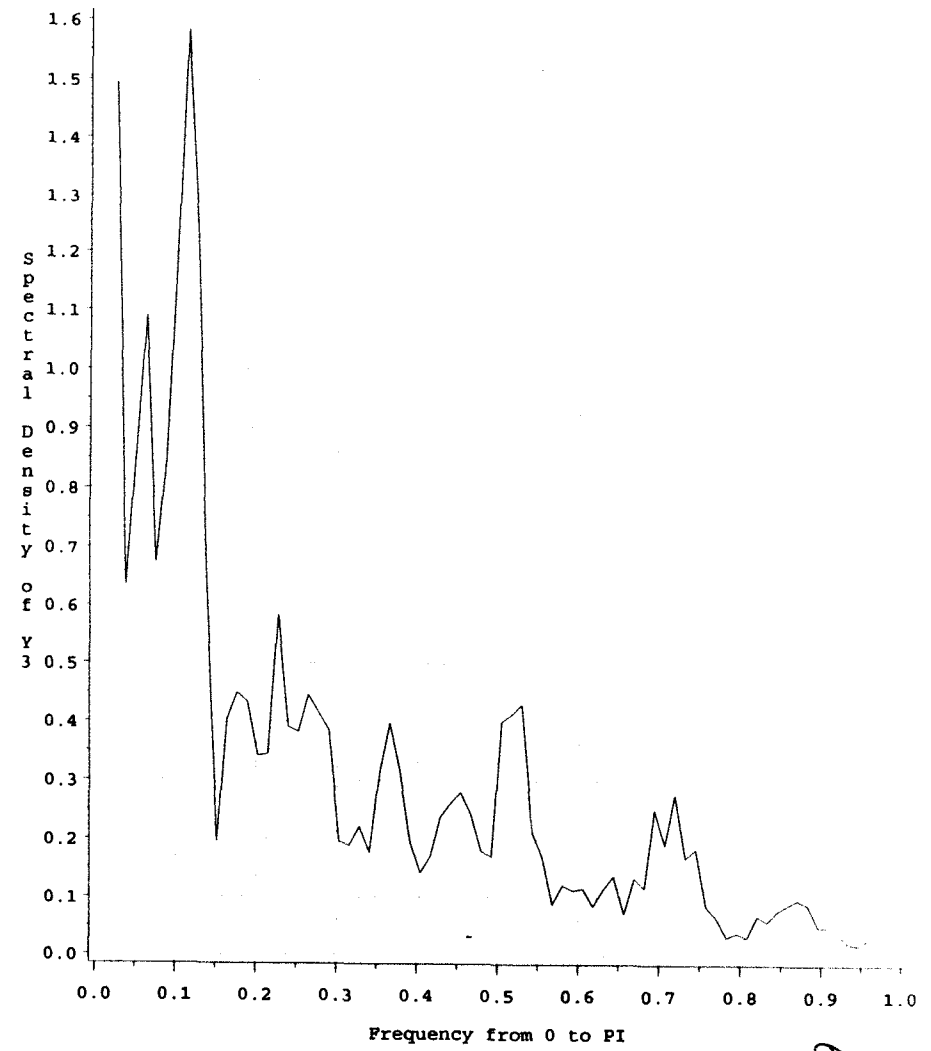


ER.103

Spectral Density Estimates:(War B.Fatalties 1495-1992)  
Spectral Window: 3 (Rec)  
Log of Data



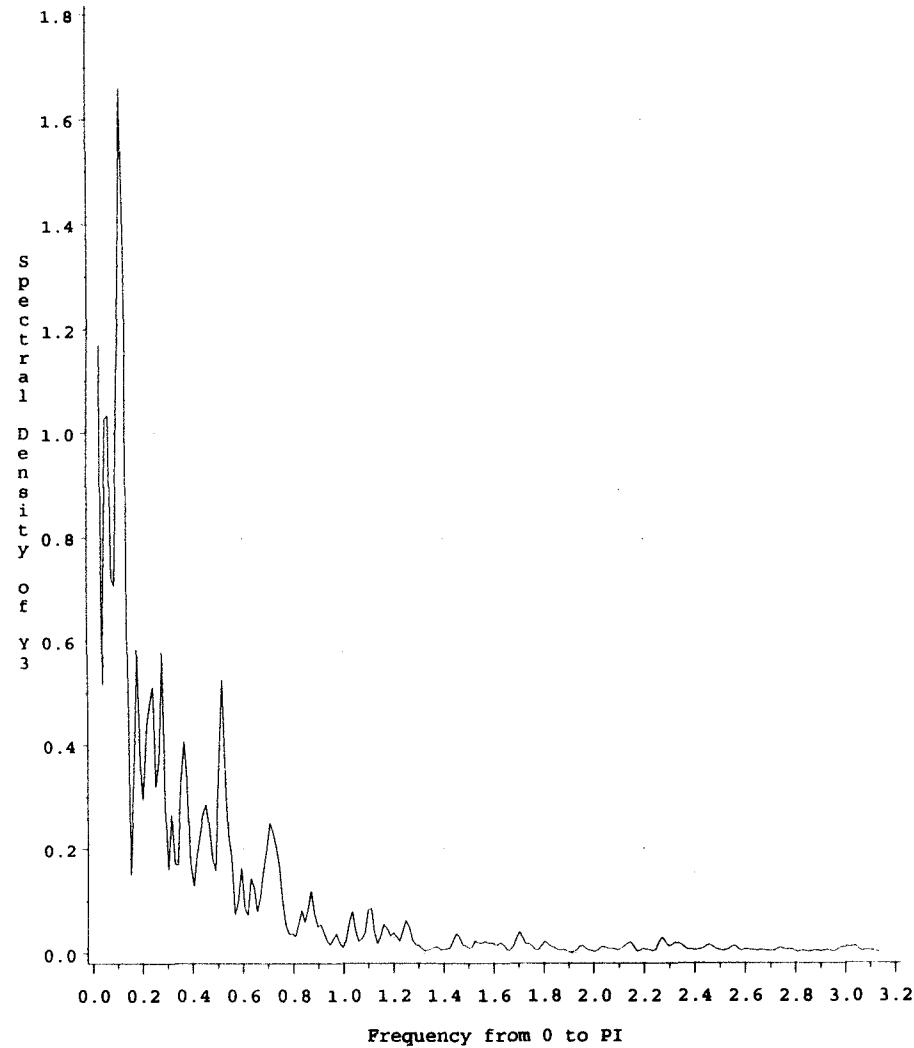
Spectral Density Estimates:(War B.Fatalties 1495-1992)  
Spectral Window: 3 (Rec)  
Log of Data



ER.104

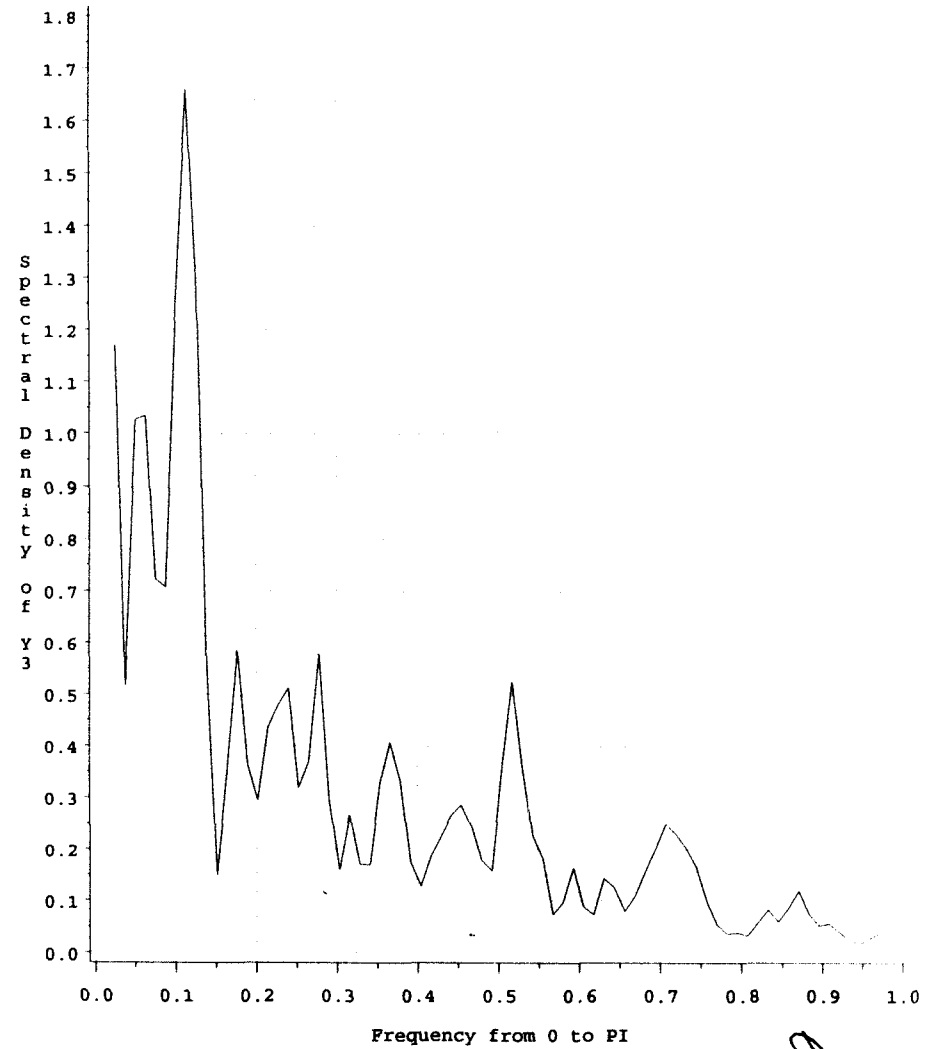
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Tri)  
Log of Data



Spectral Density Estimates:(War B.Fatalities 1495-1992)

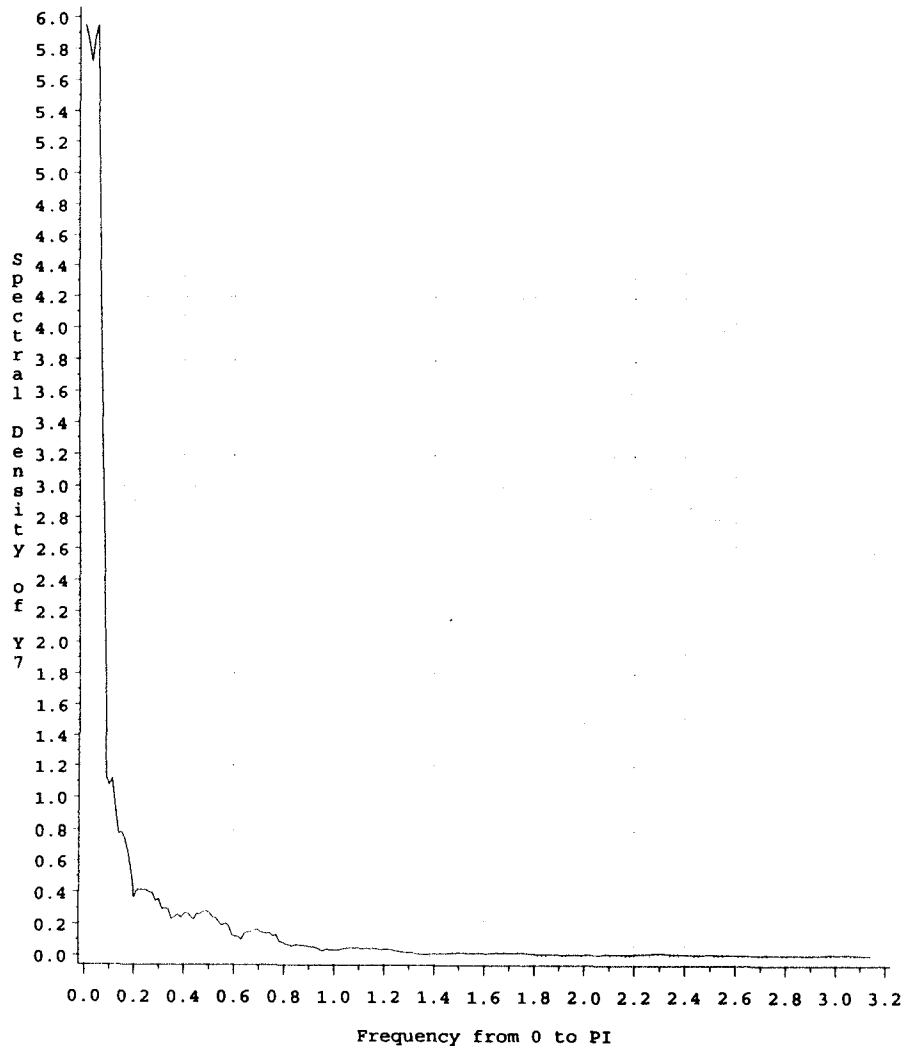
Spectral Window: 3 (Tri)  
Log of Data



GR.105

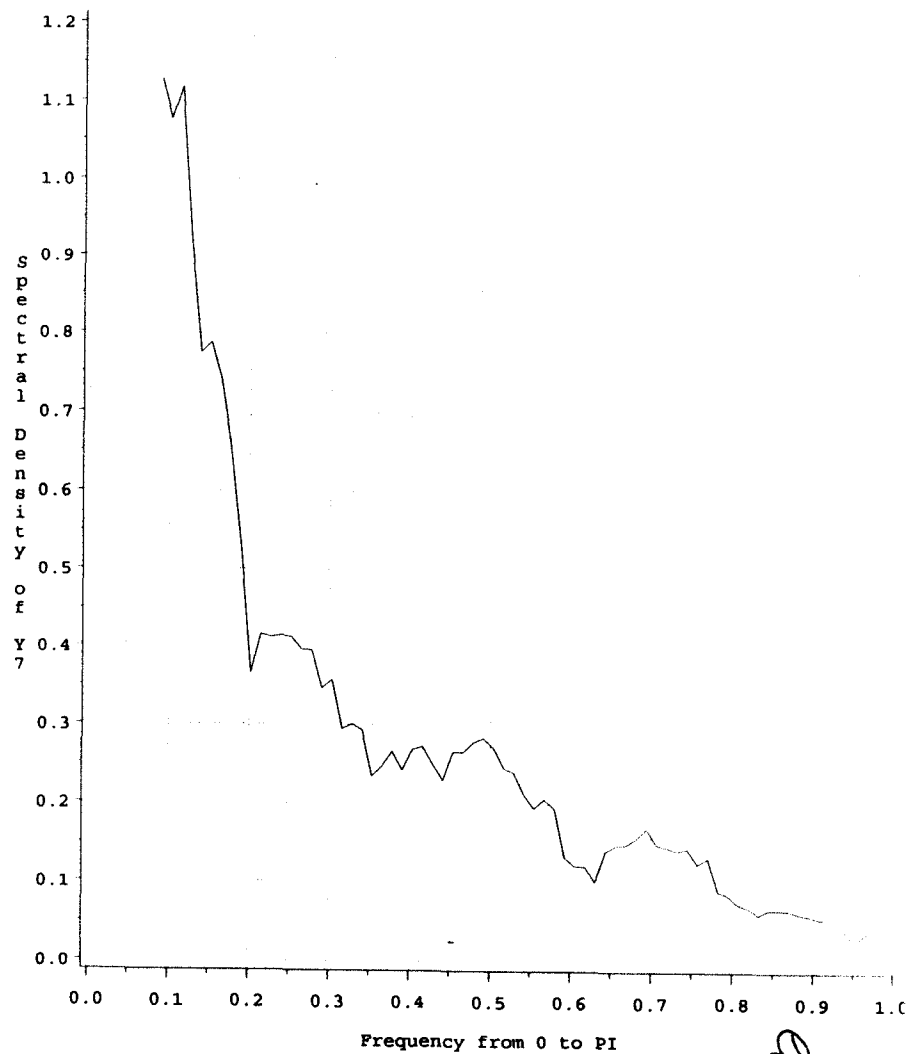
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495 - 199)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual

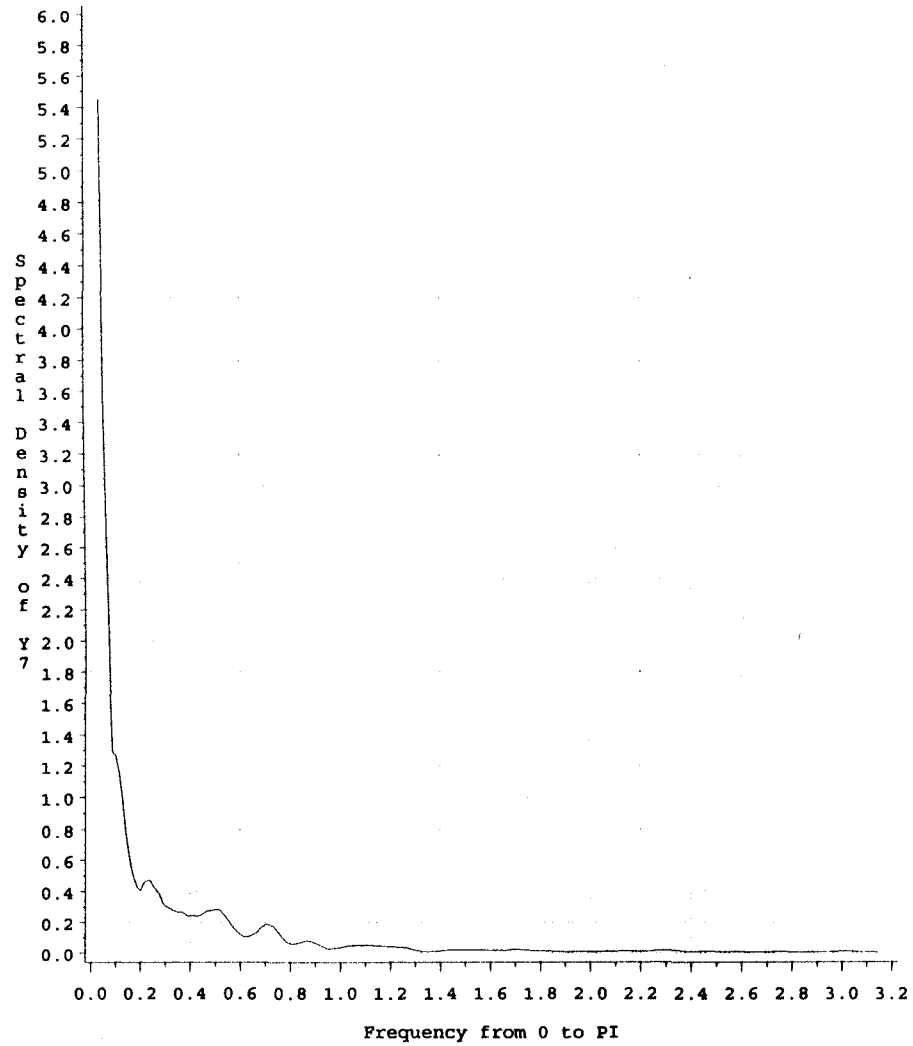


ER.106



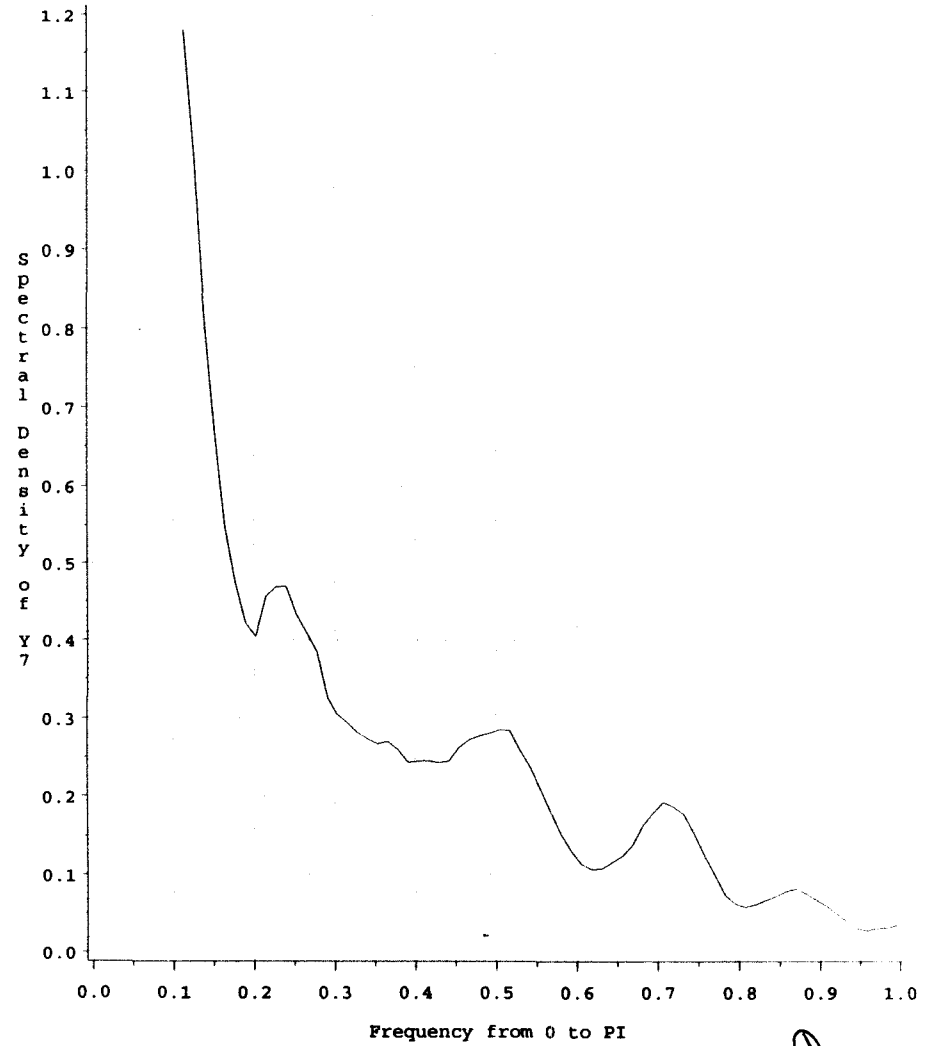
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

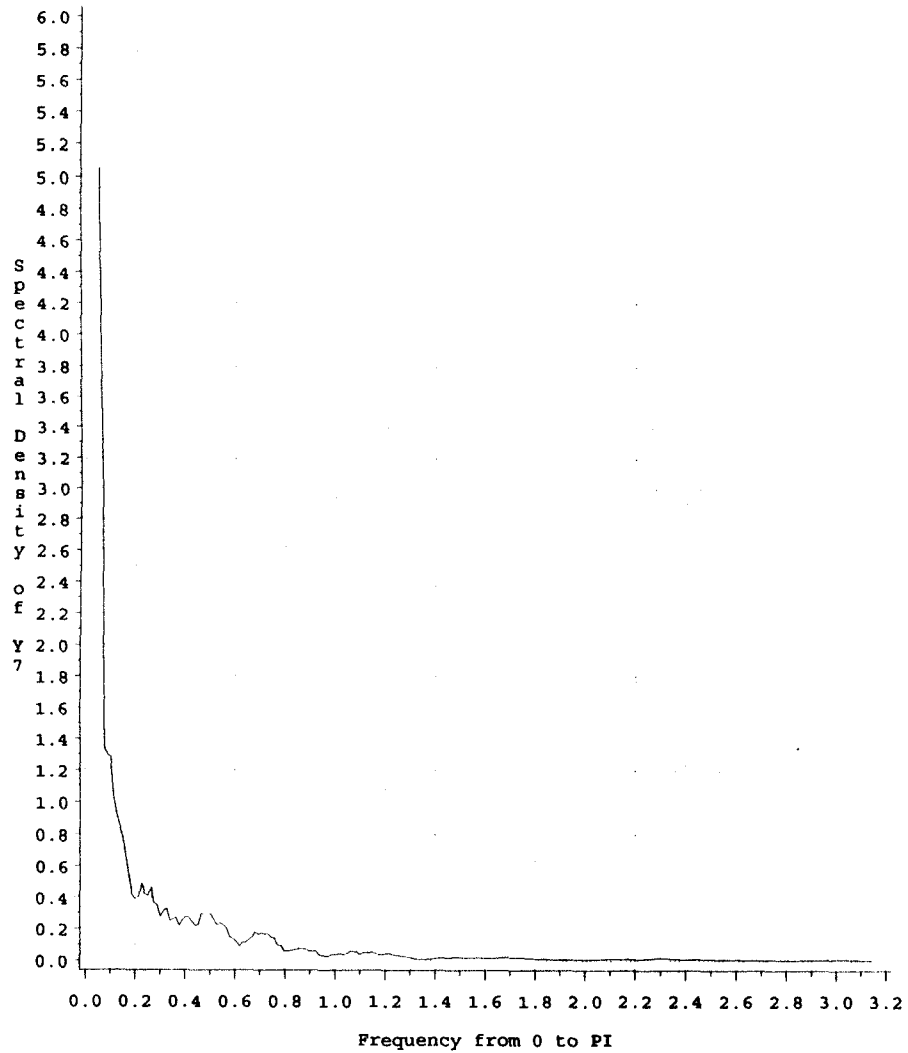
Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.107

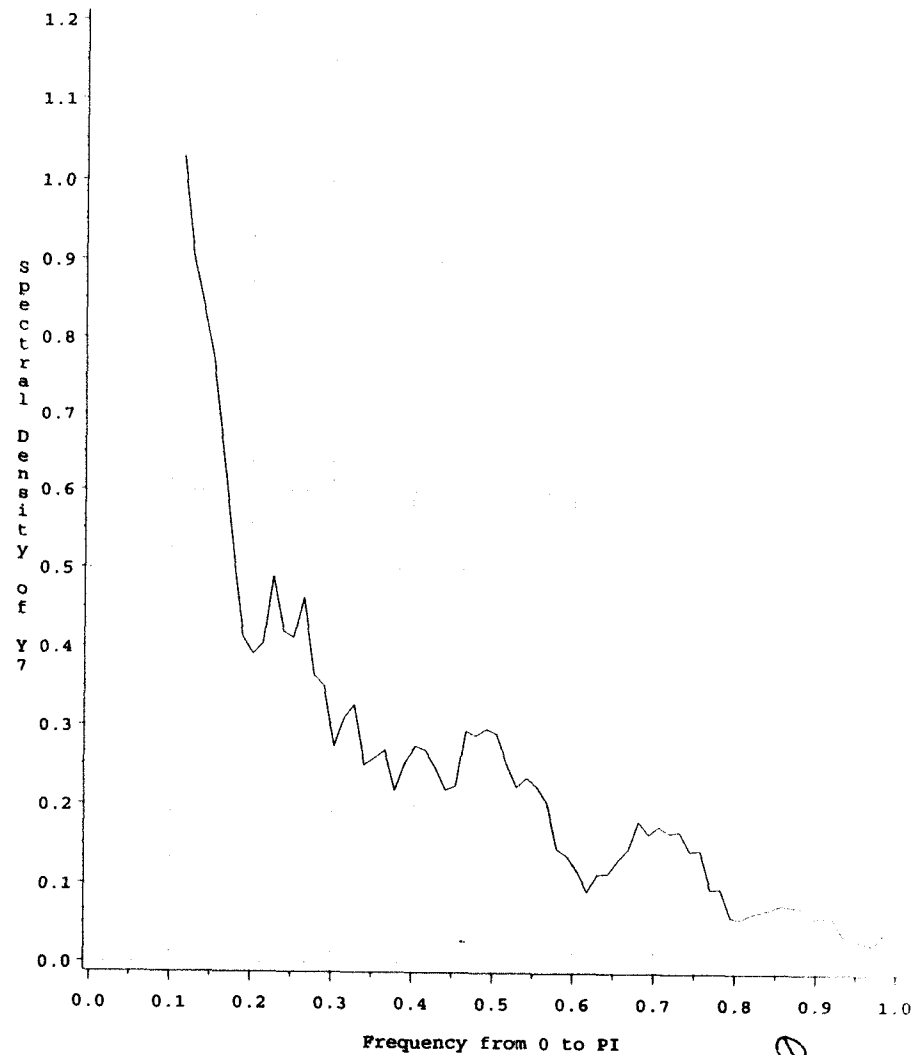
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

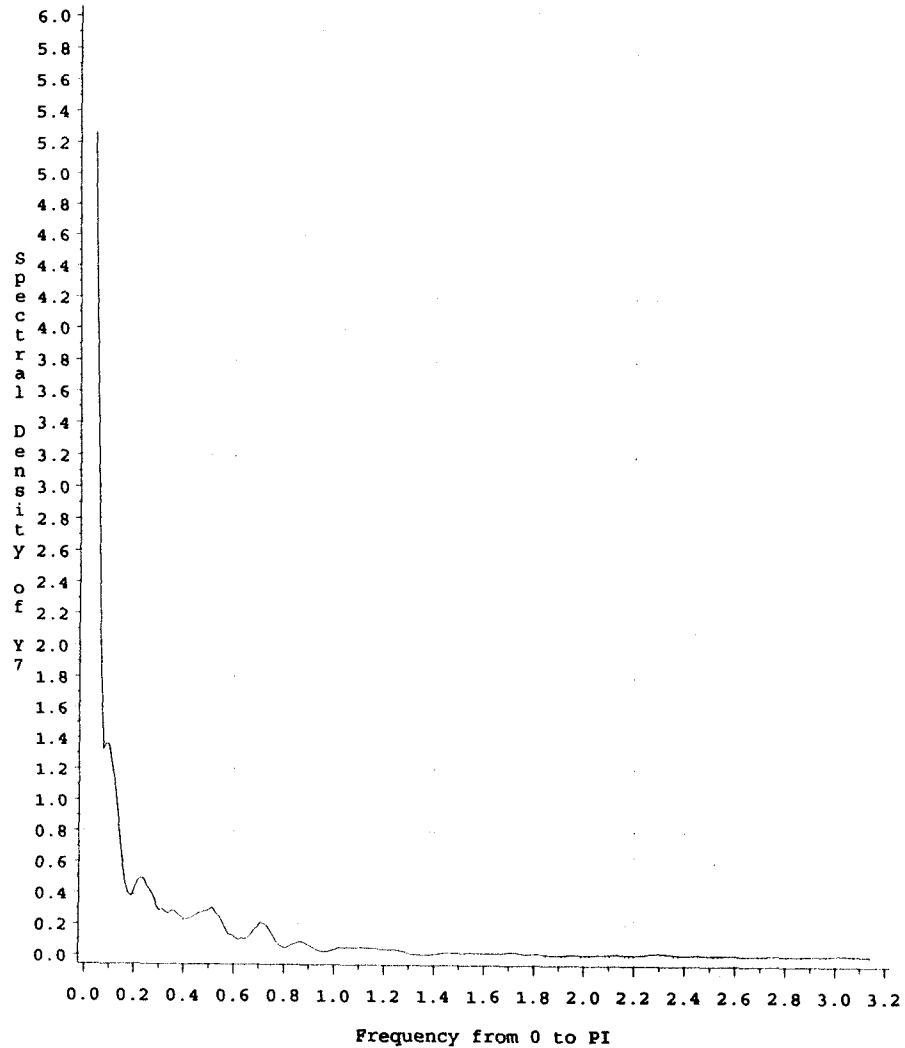
Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER.108

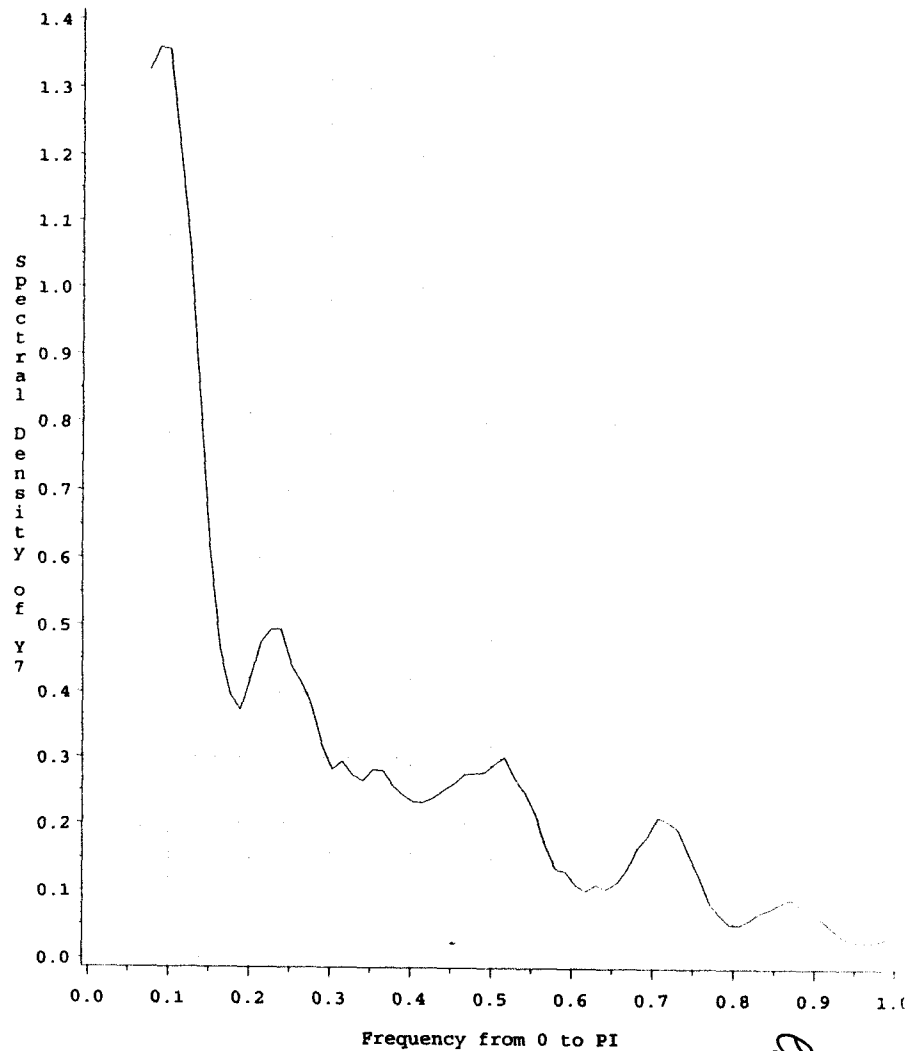
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

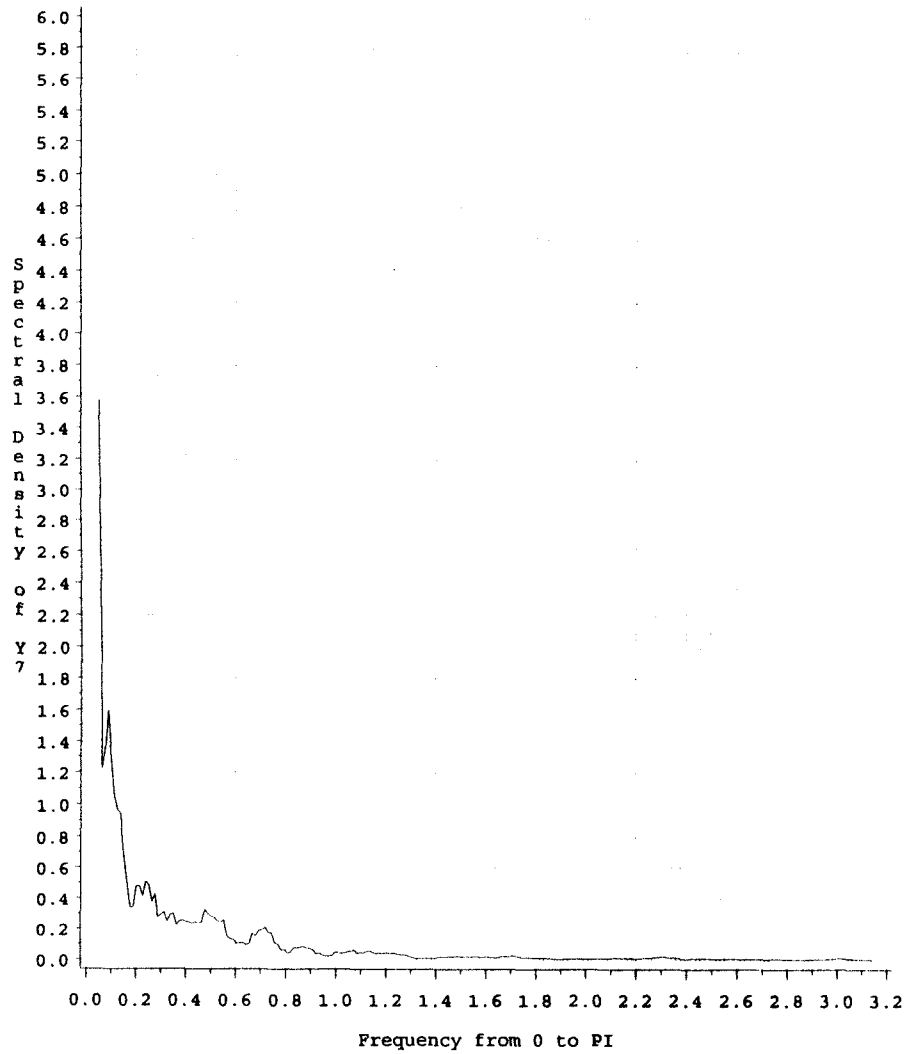
Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.109

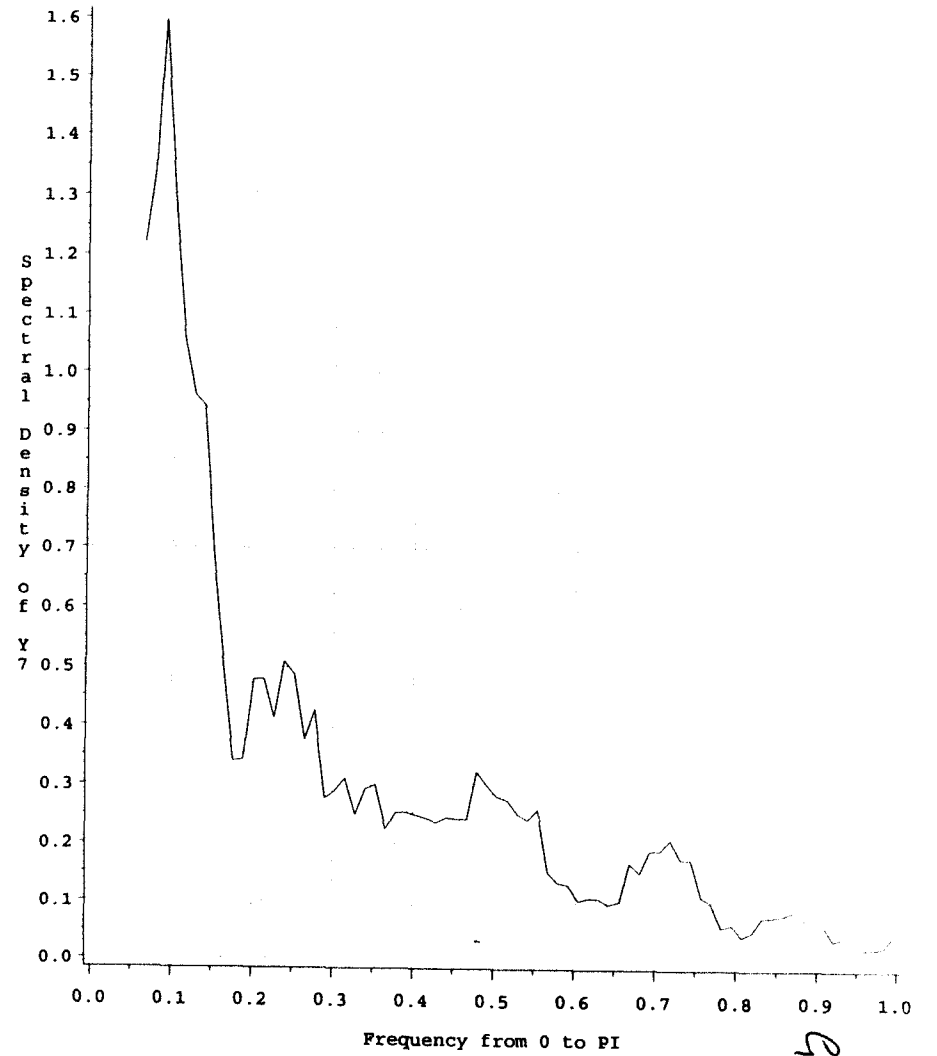
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

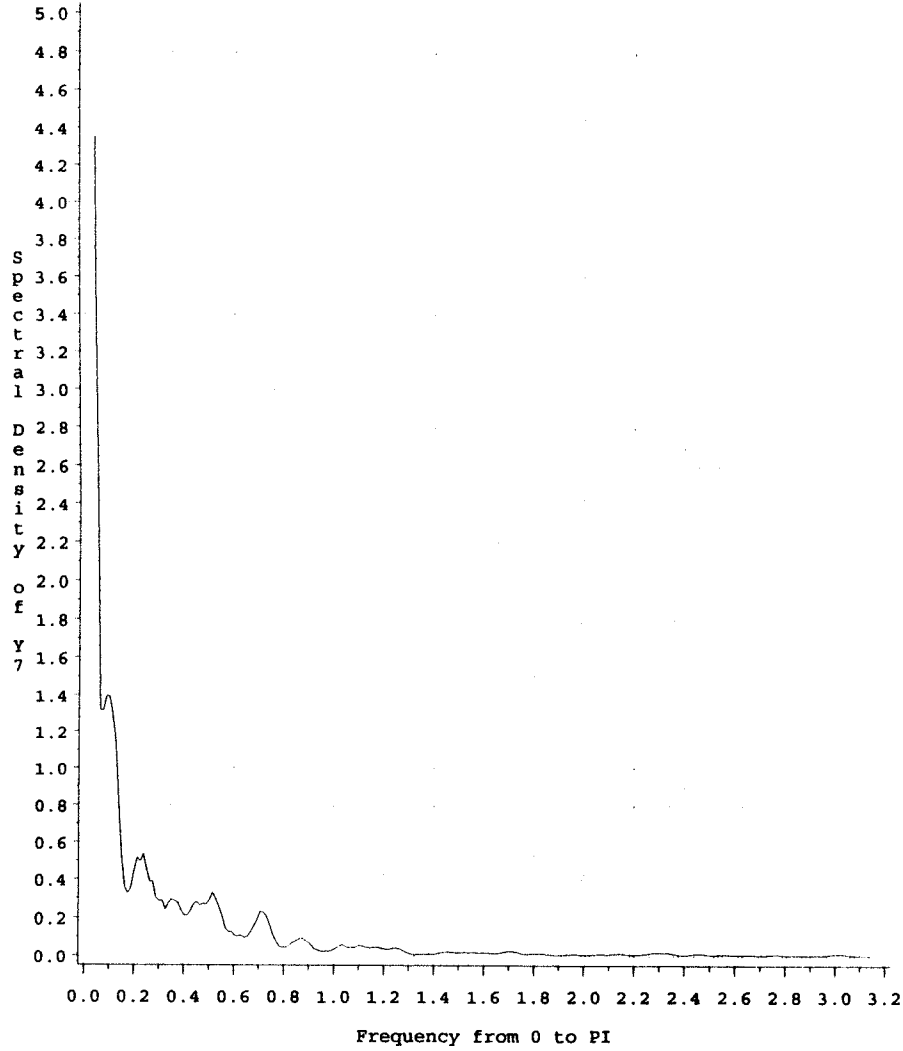
Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



GR. 110

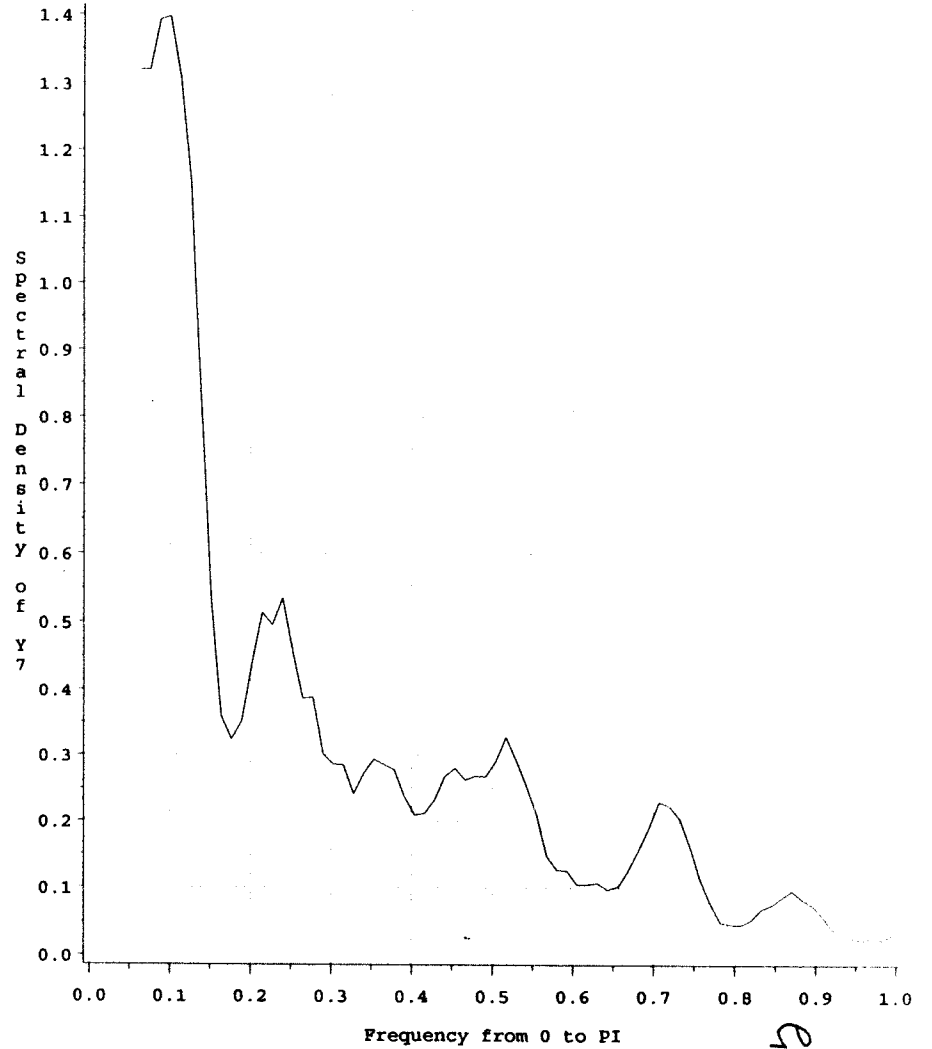
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

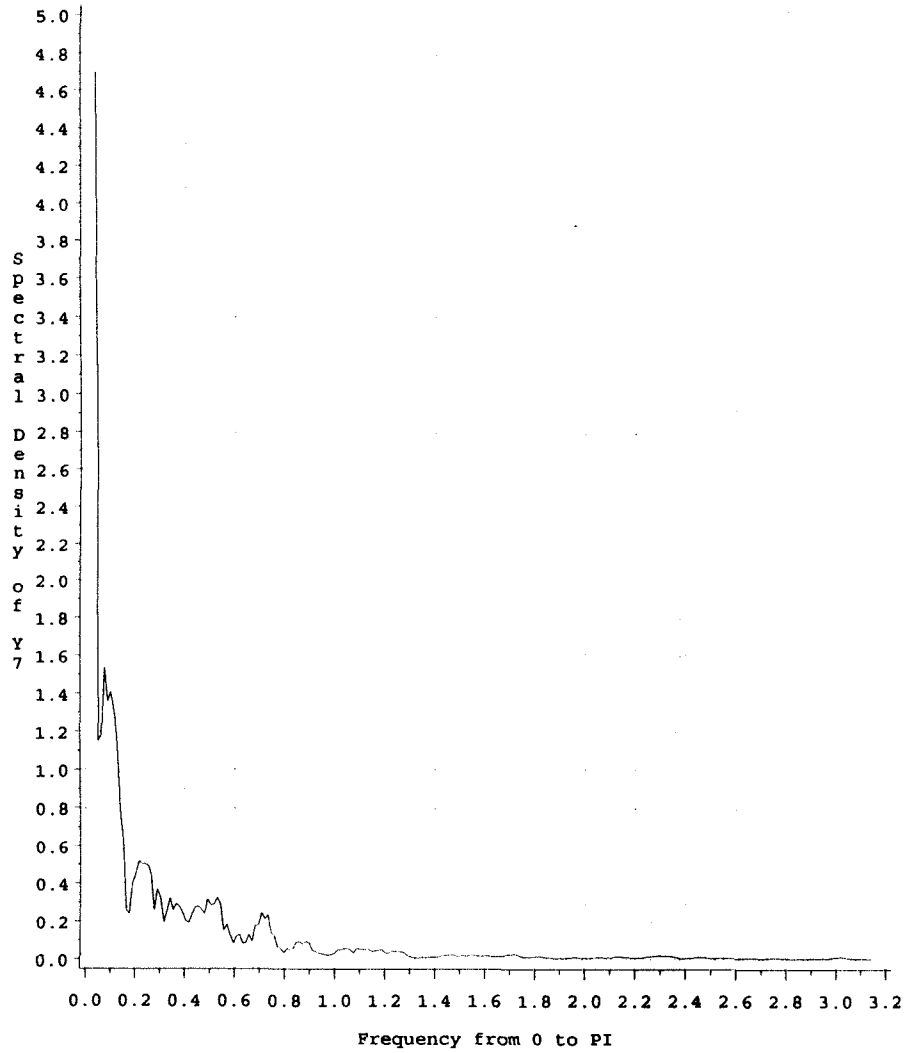
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



GR. III

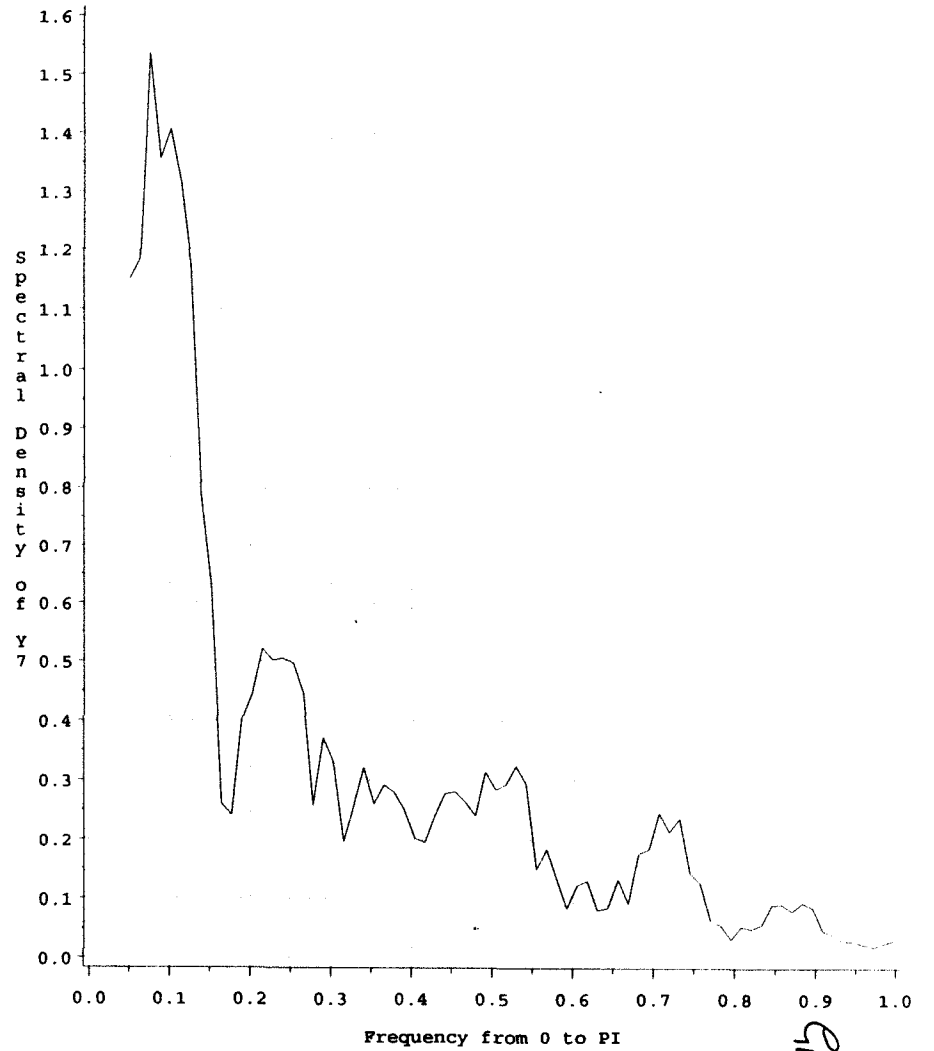
Spectral Density Estimates:(War B.Fatalities 1495 -1992)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495 -1992)

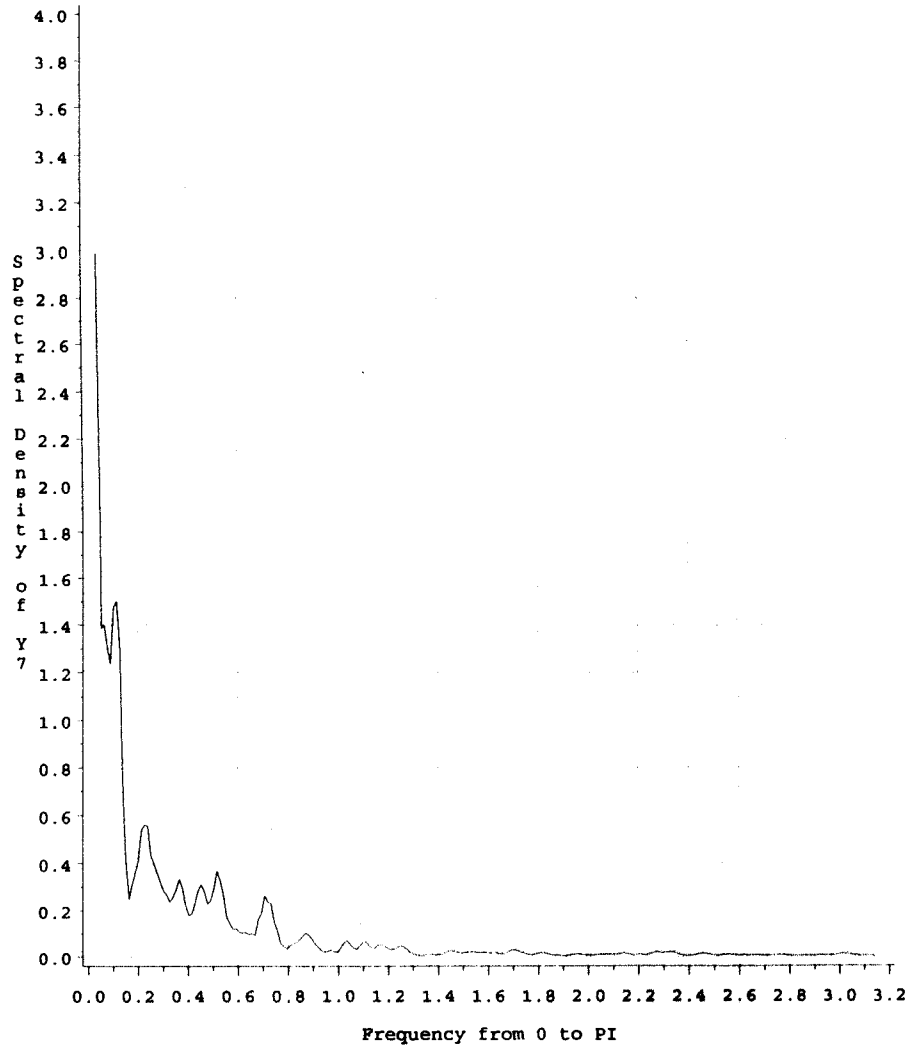
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER.112

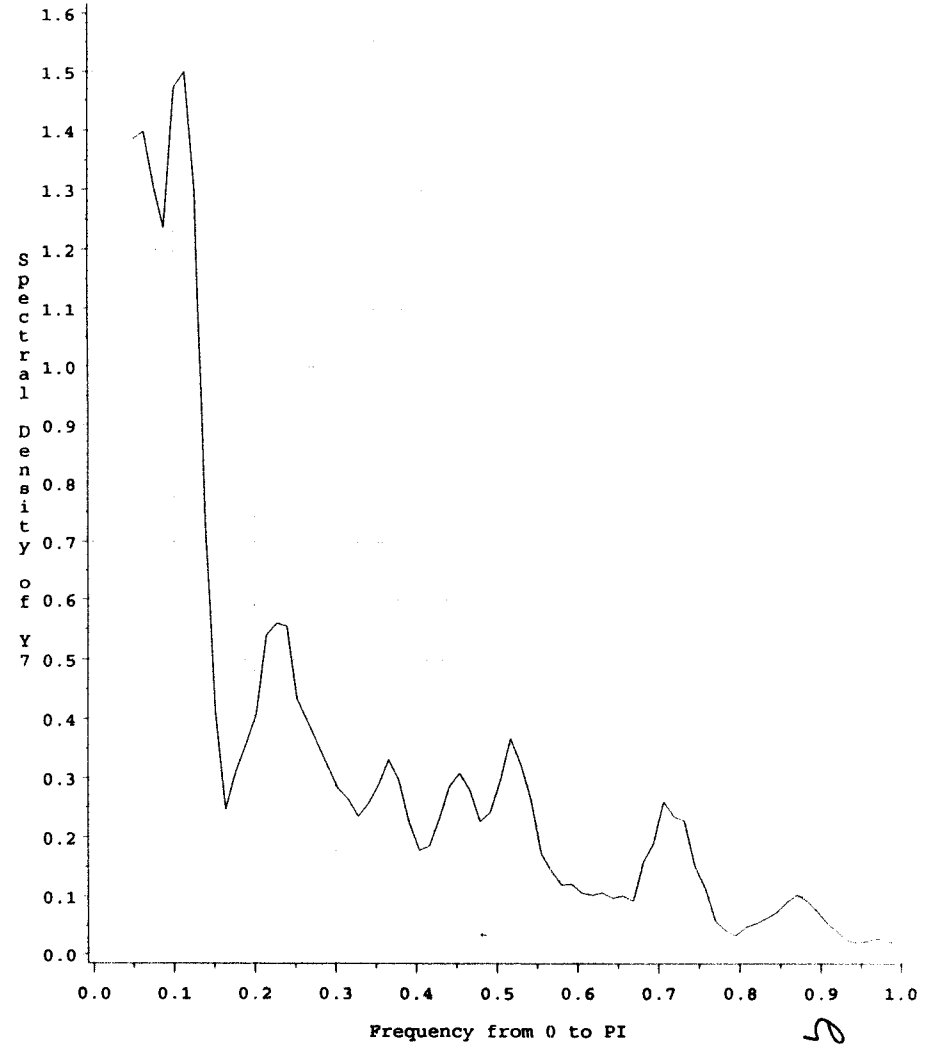
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

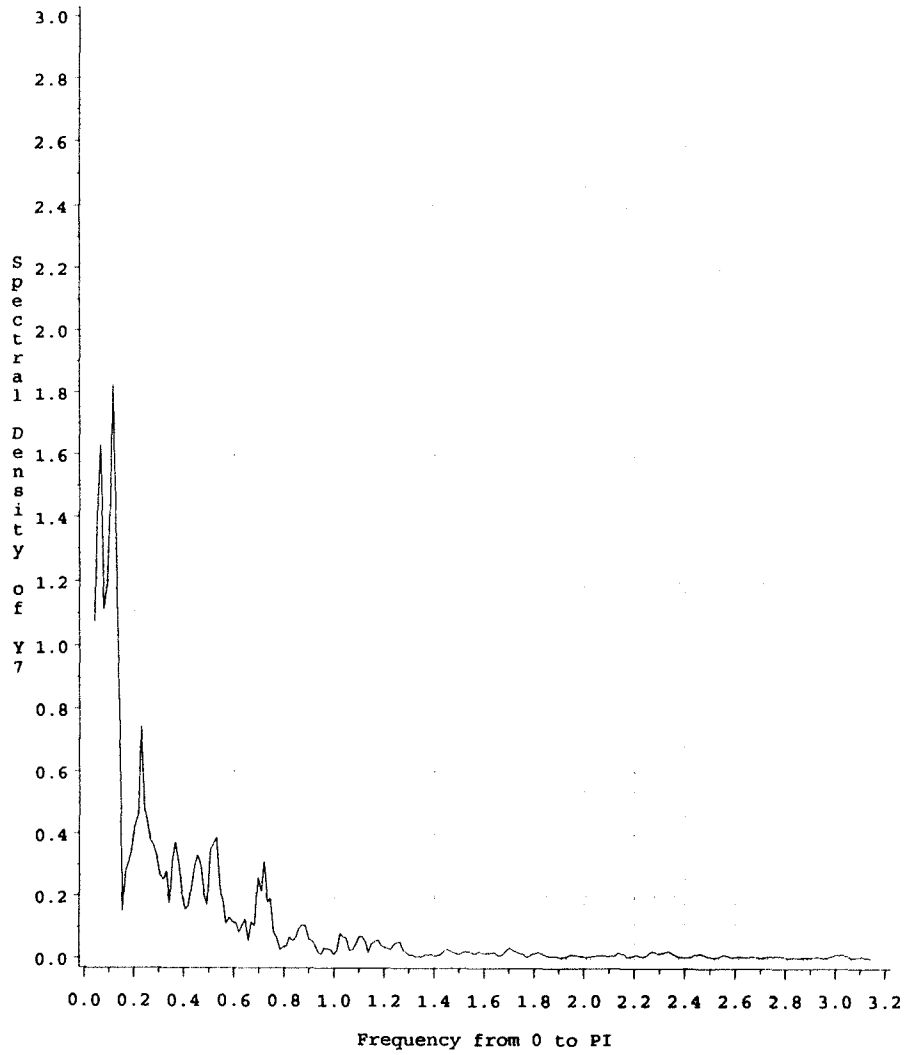
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.113

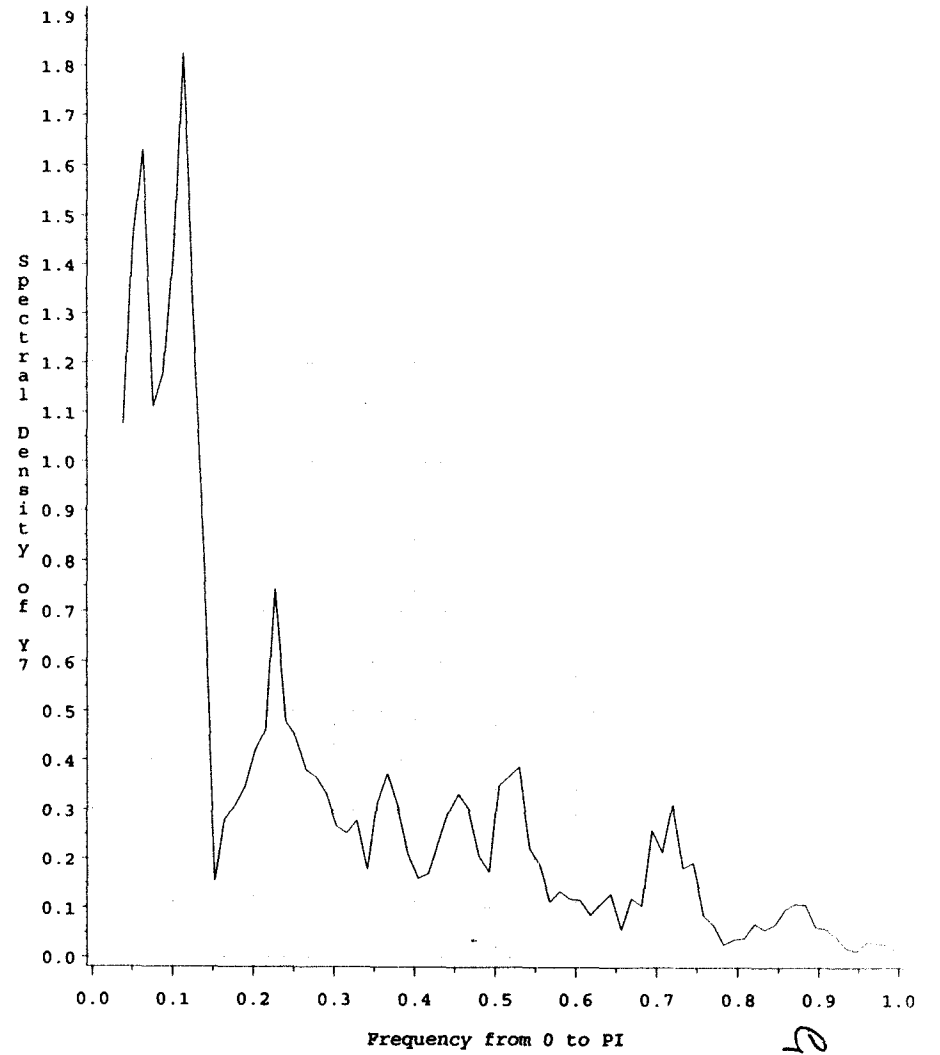
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual

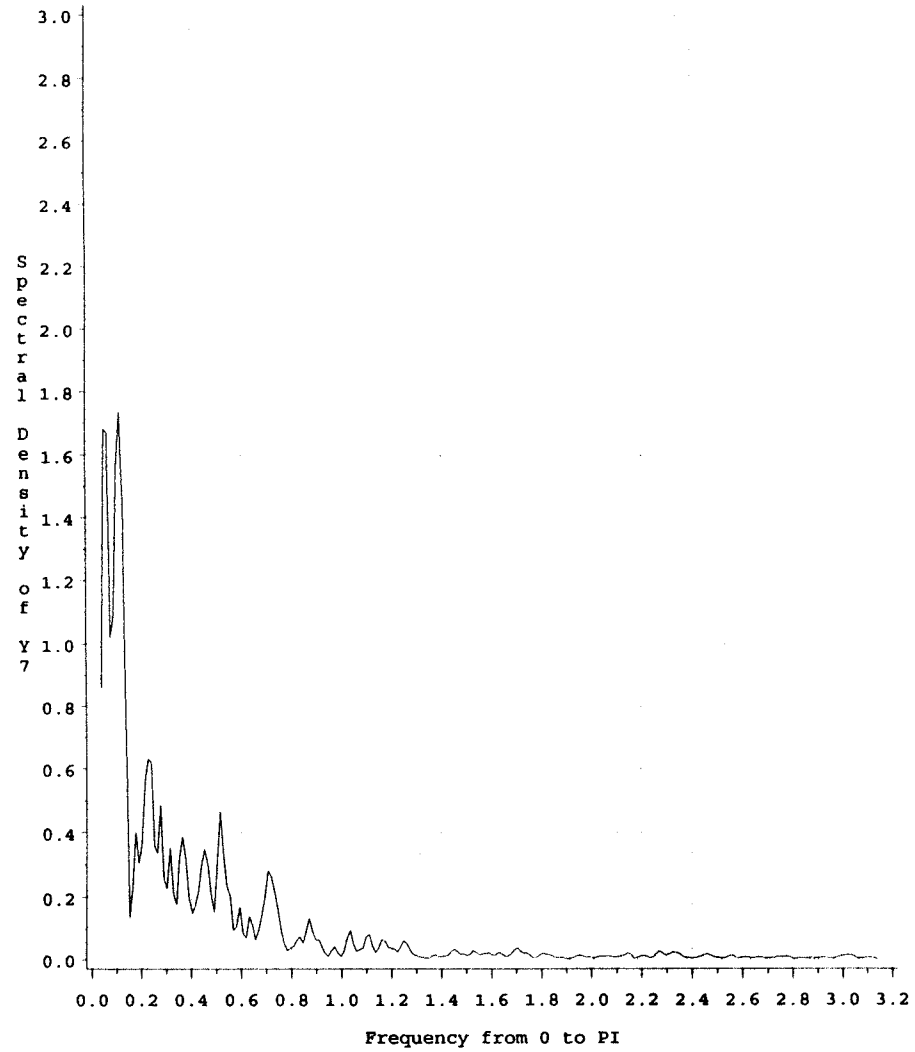


ER.114



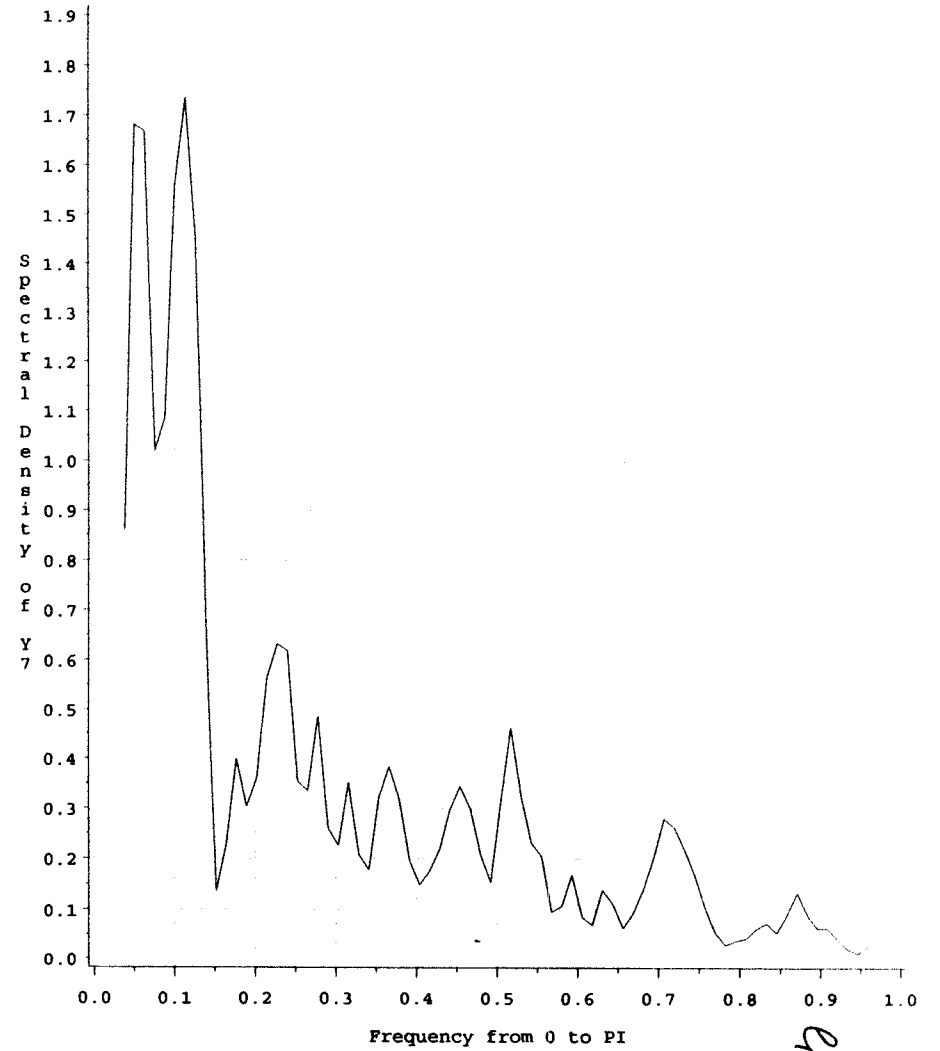
Spectral Density Estimates:(War B.Fatalities 1495-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(War B.Fatalities 1495-1992)

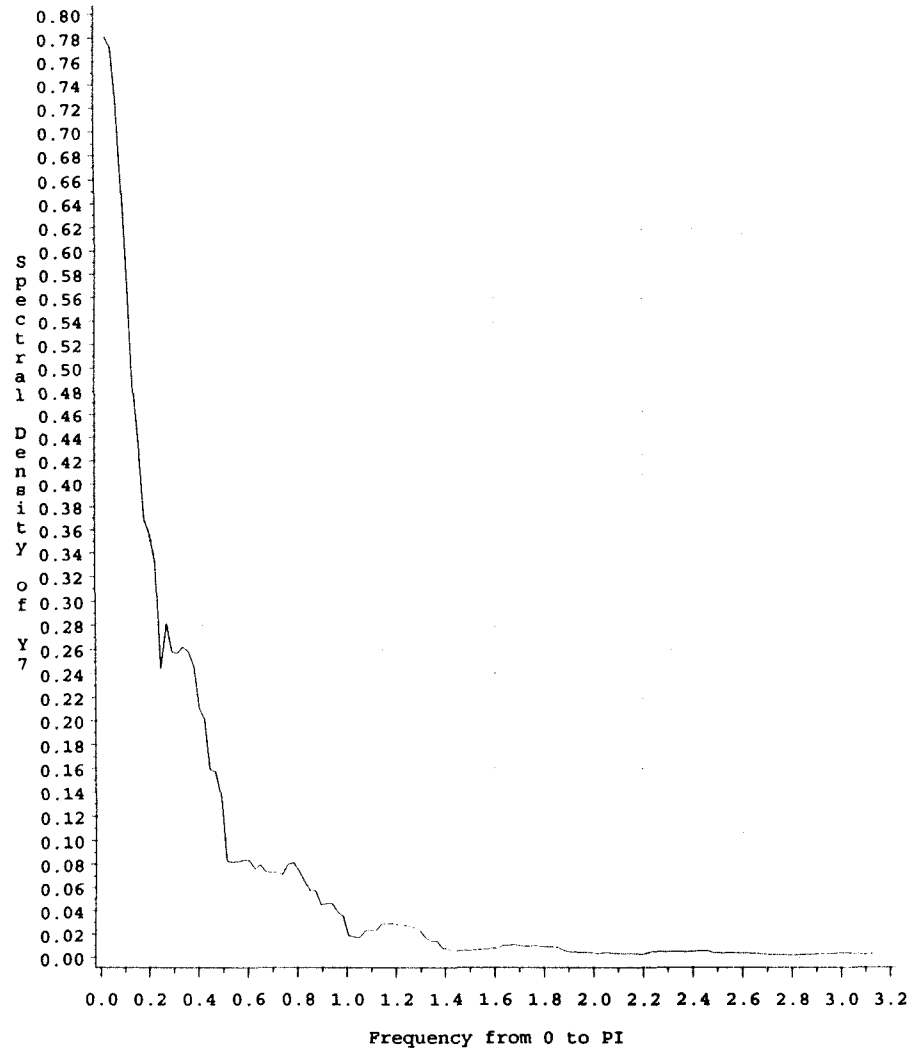
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.115

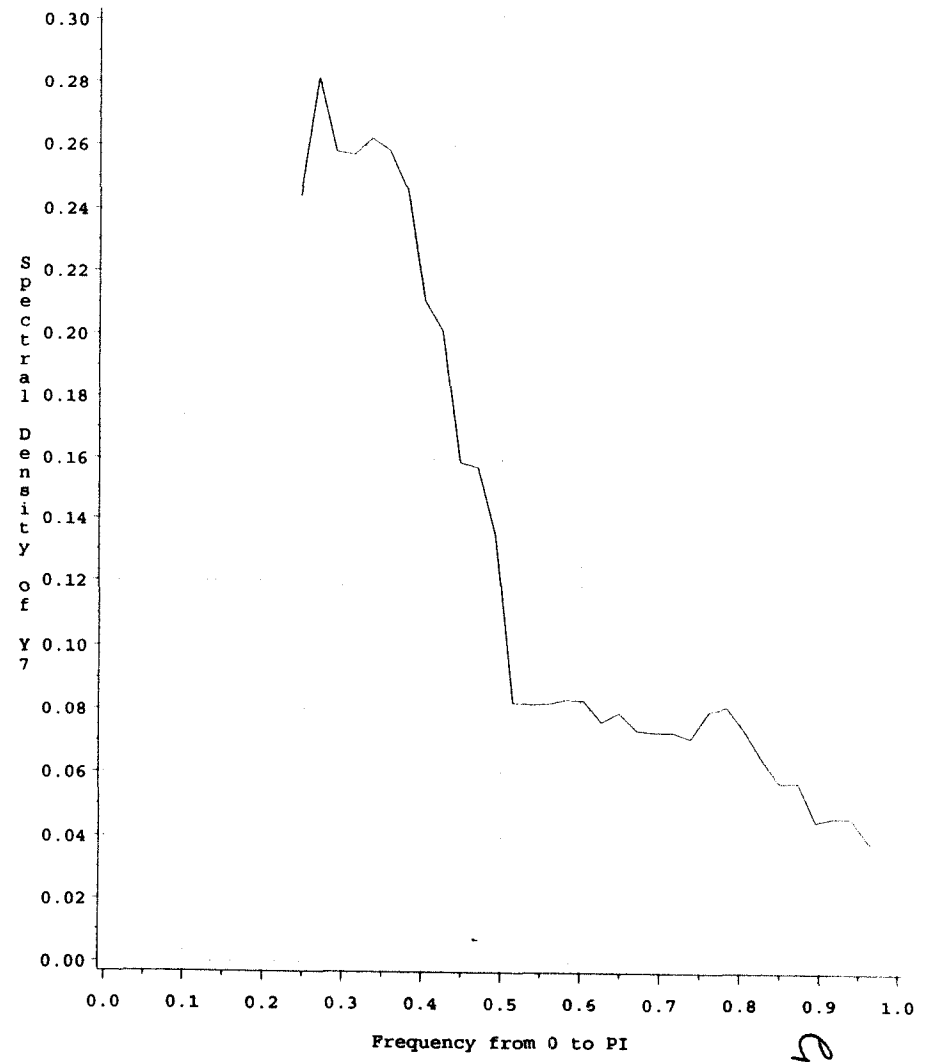
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

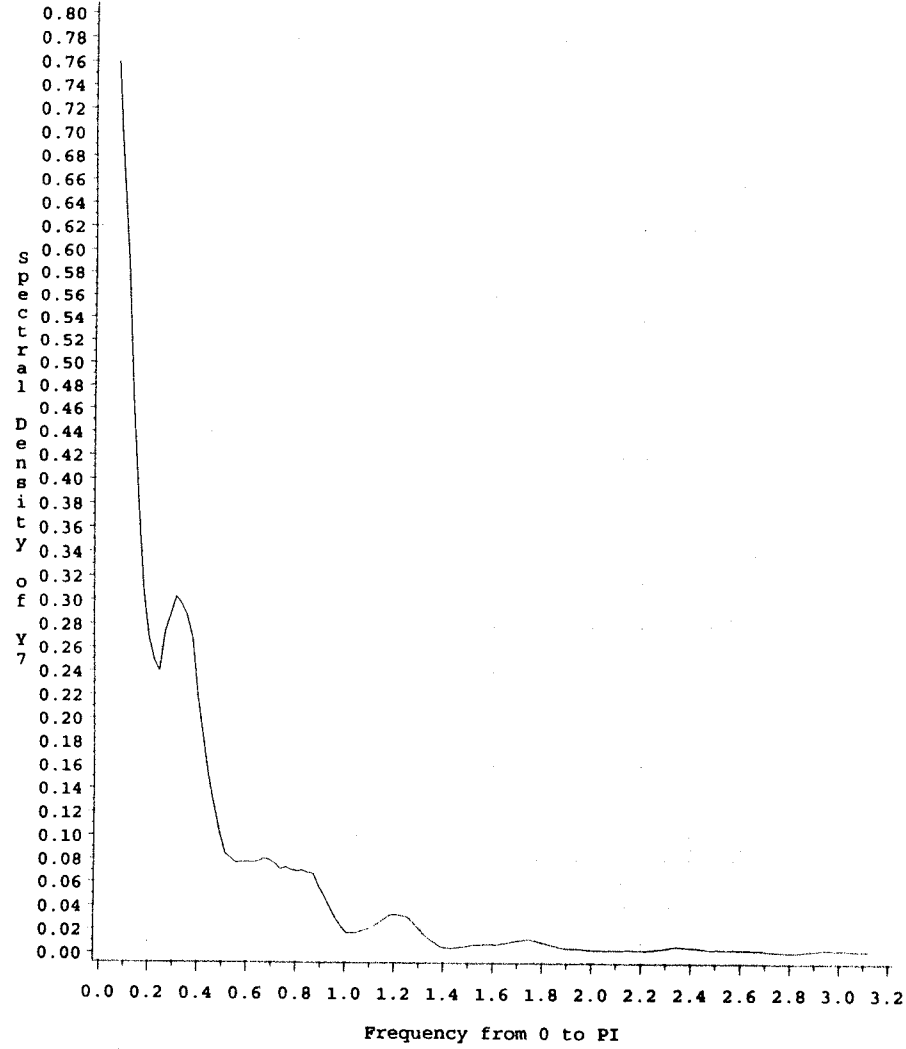
Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



GR.116

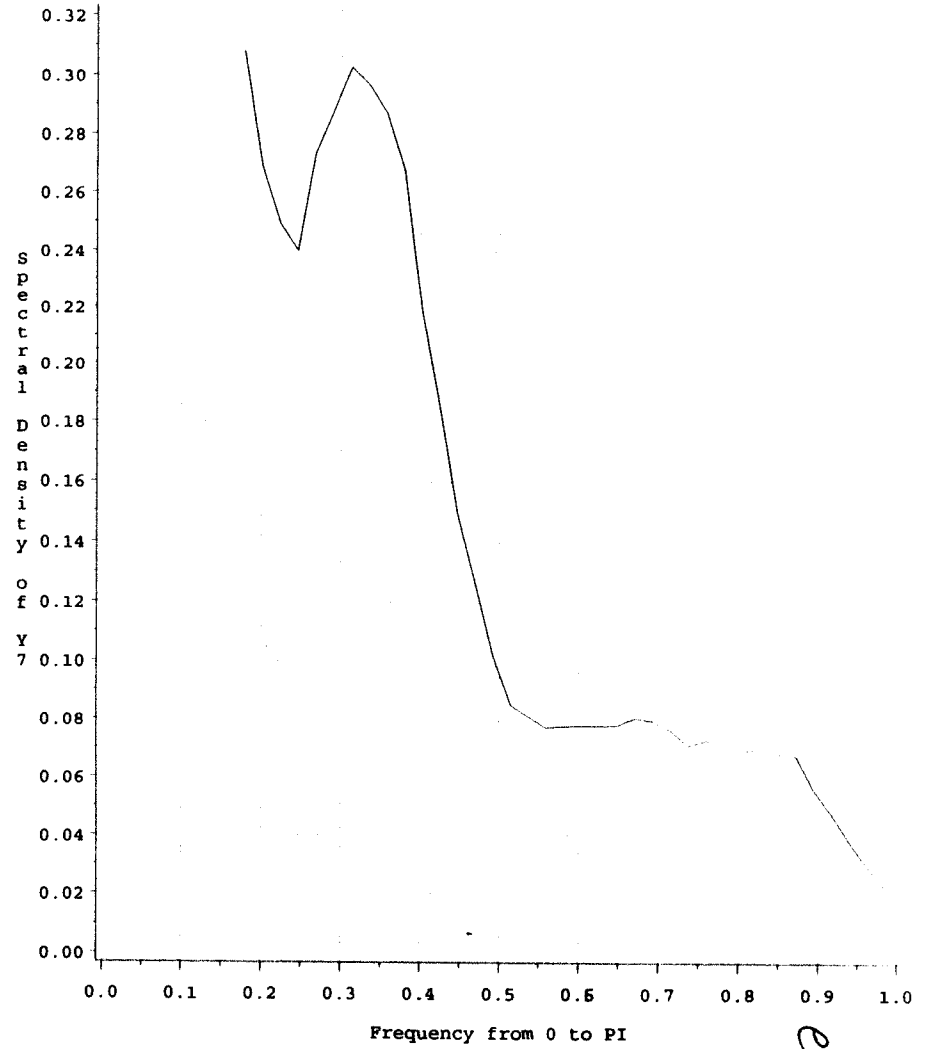
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

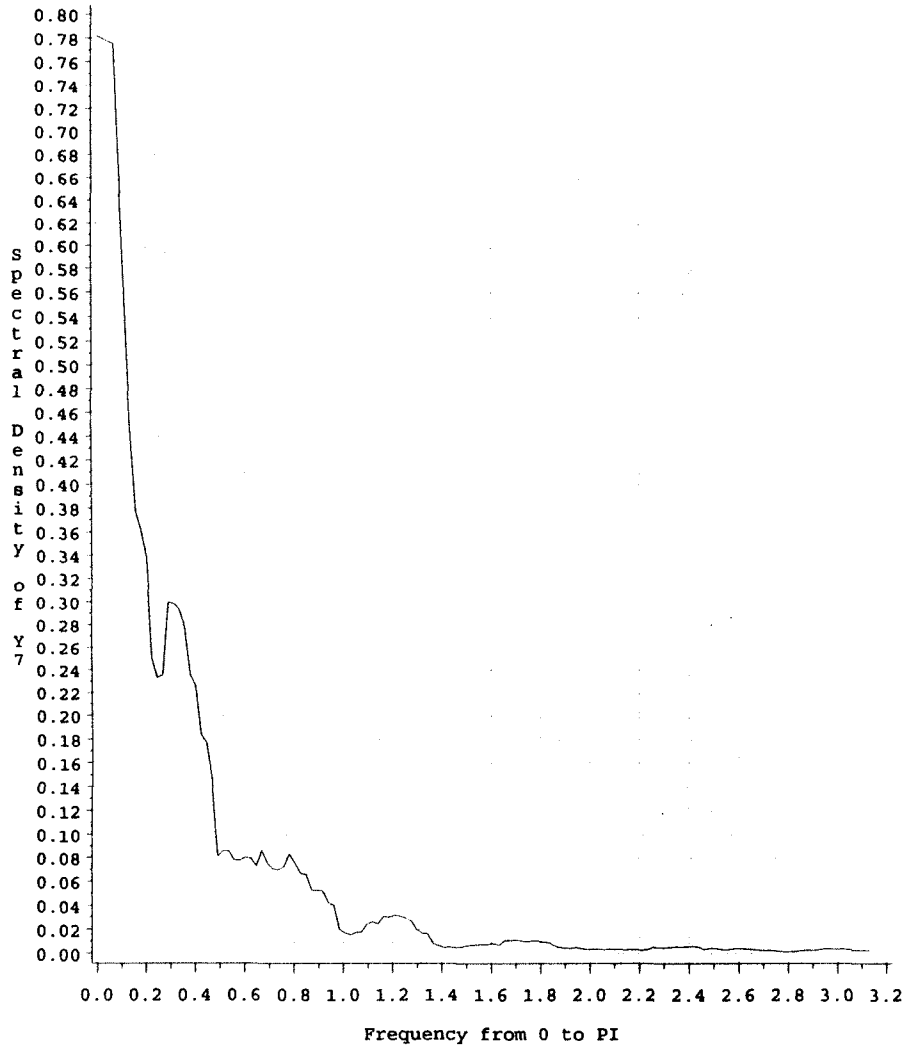
Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.17

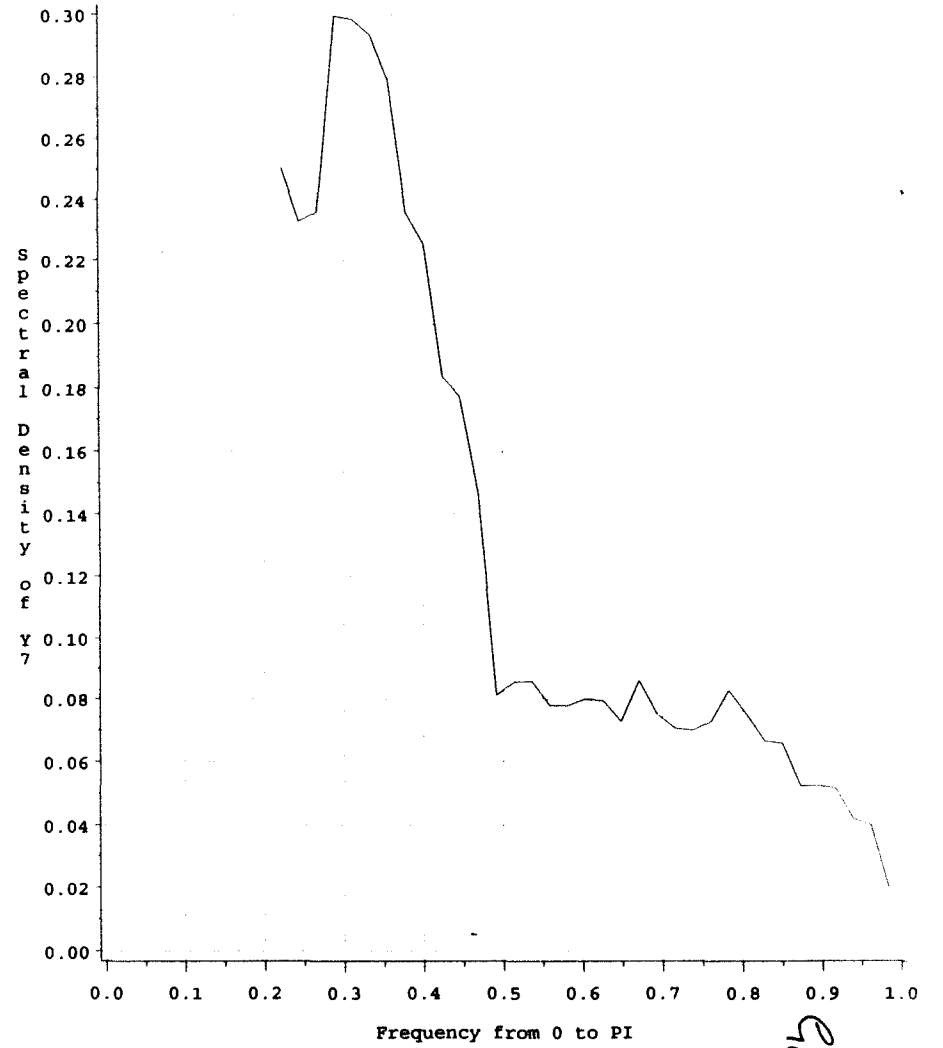
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

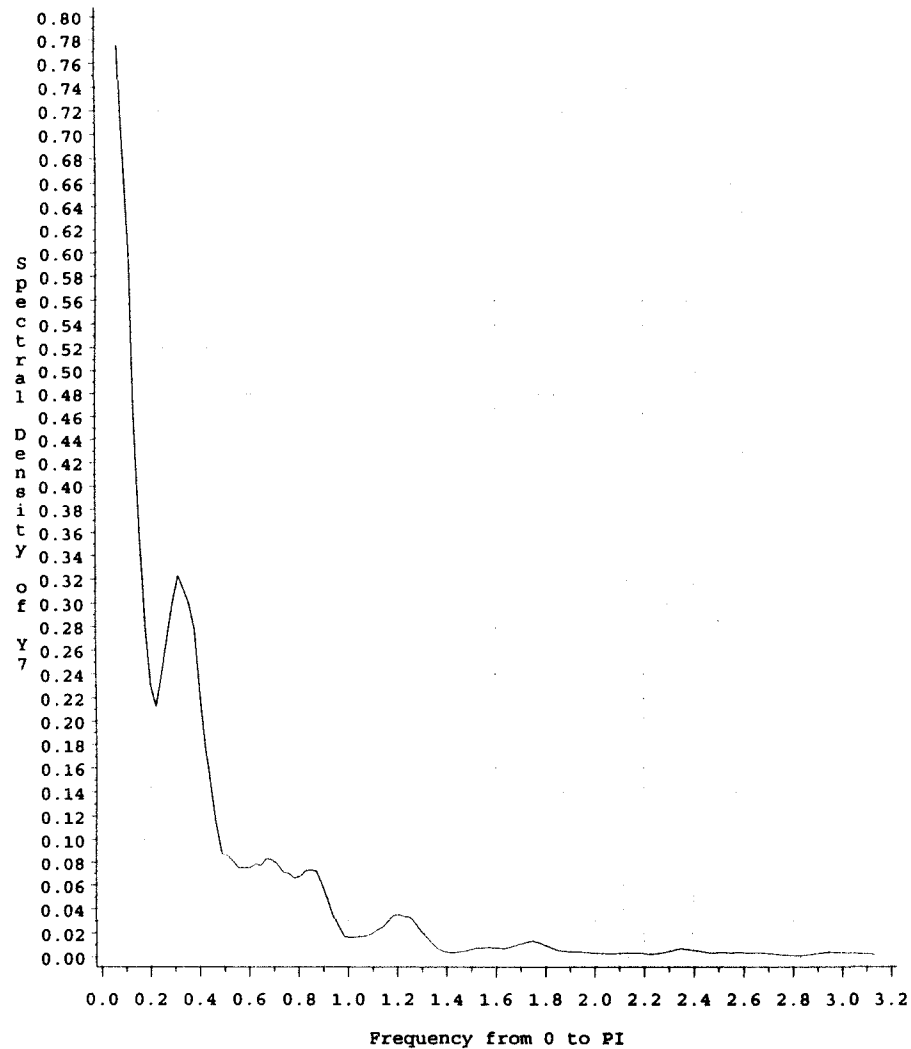
Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER.118

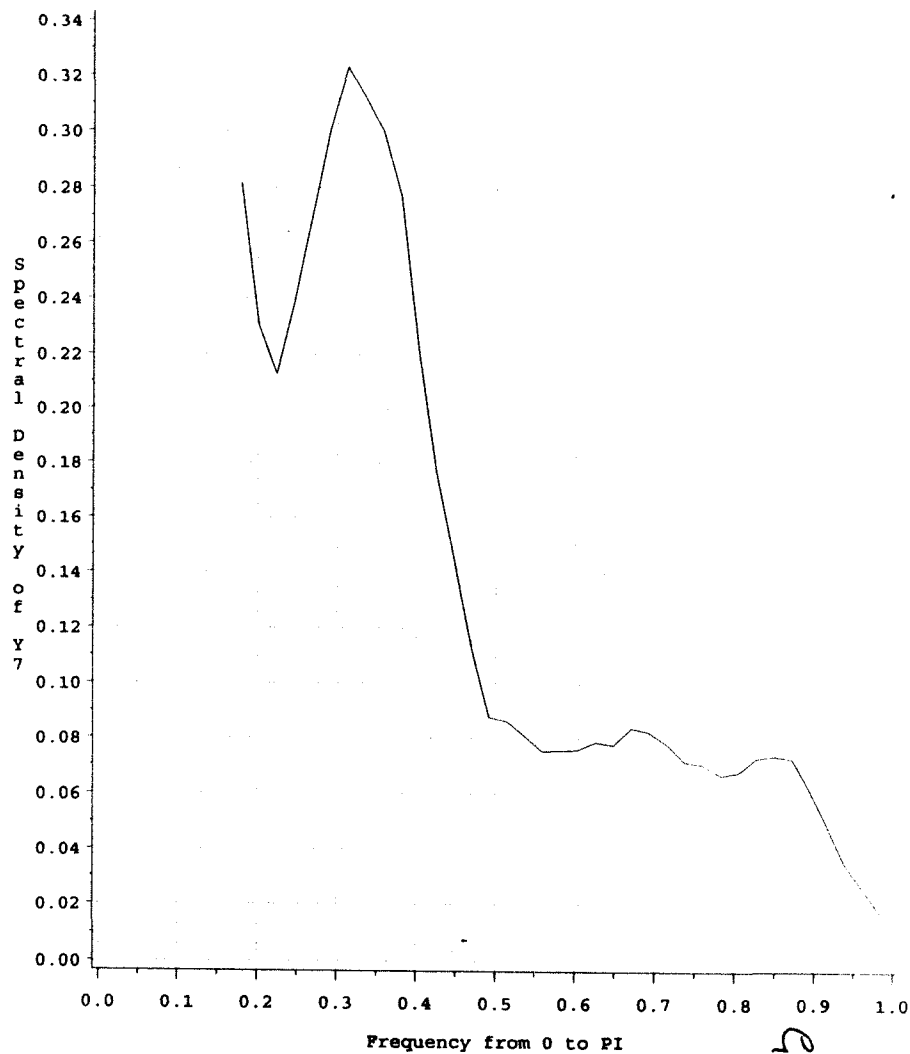
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

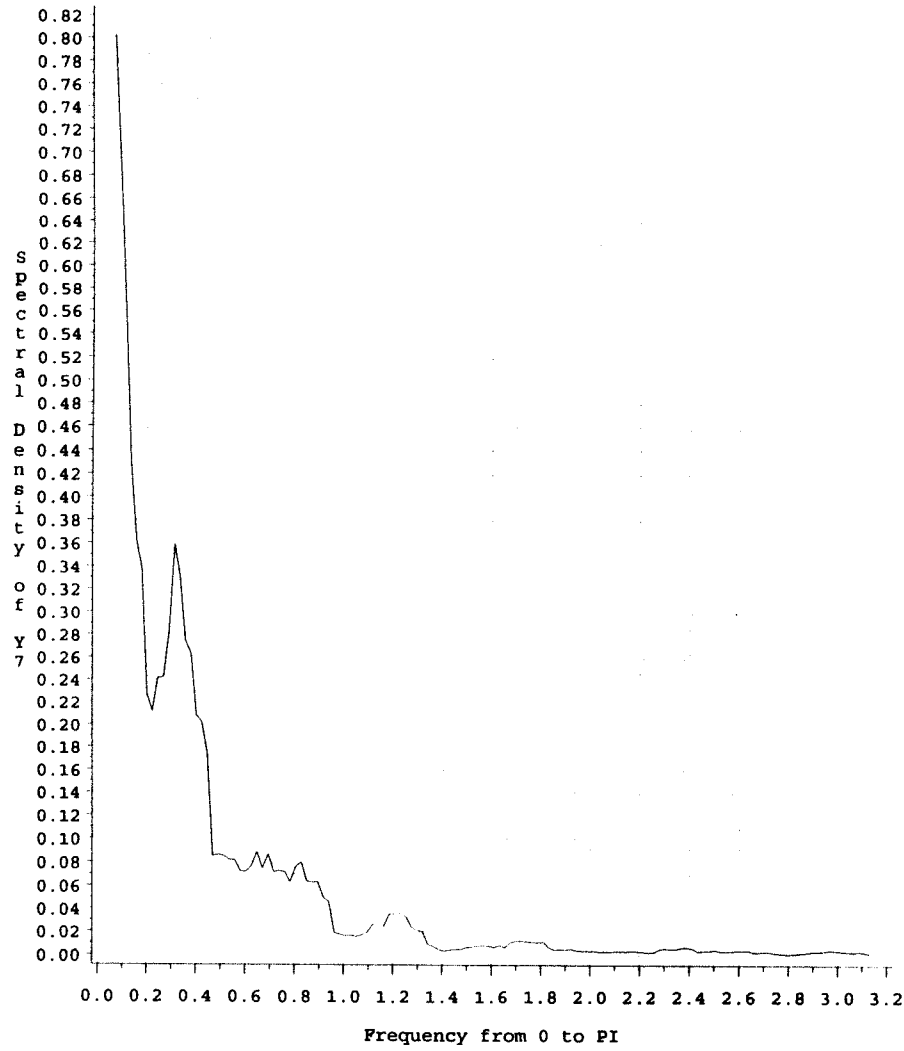
Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.119

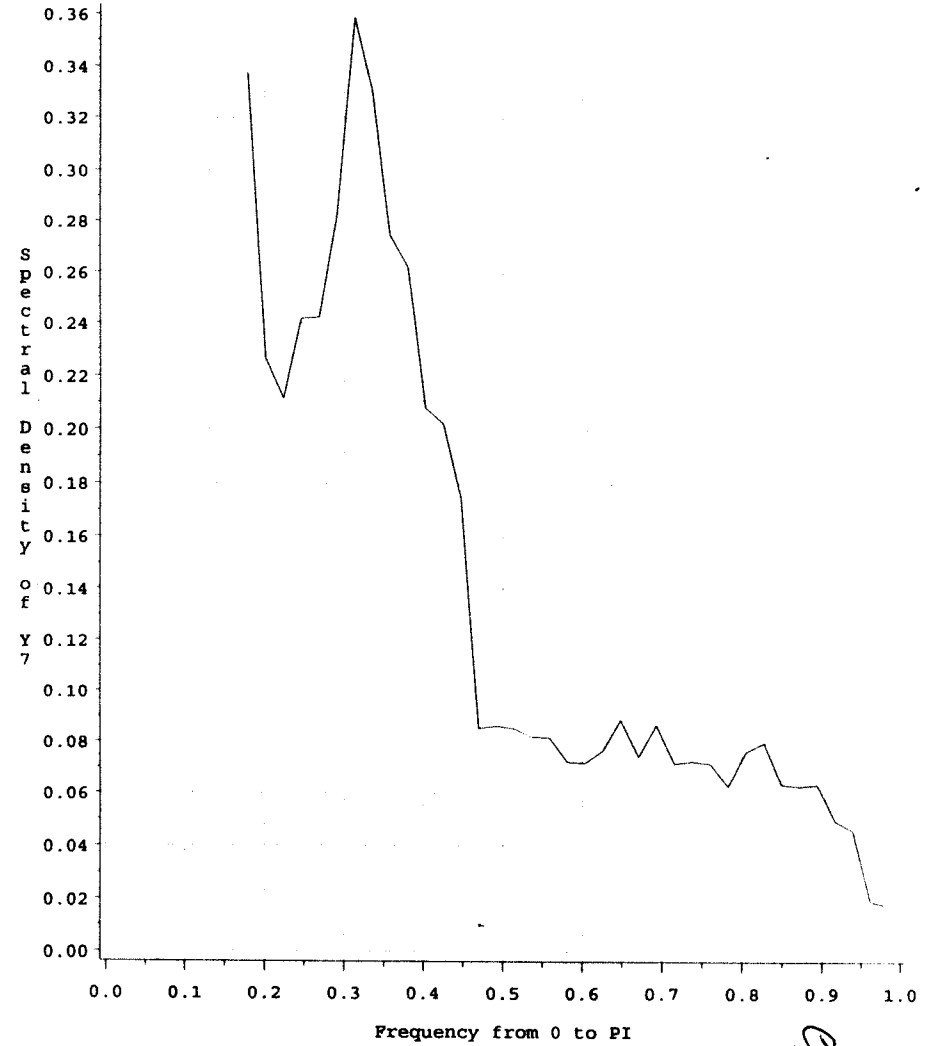
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

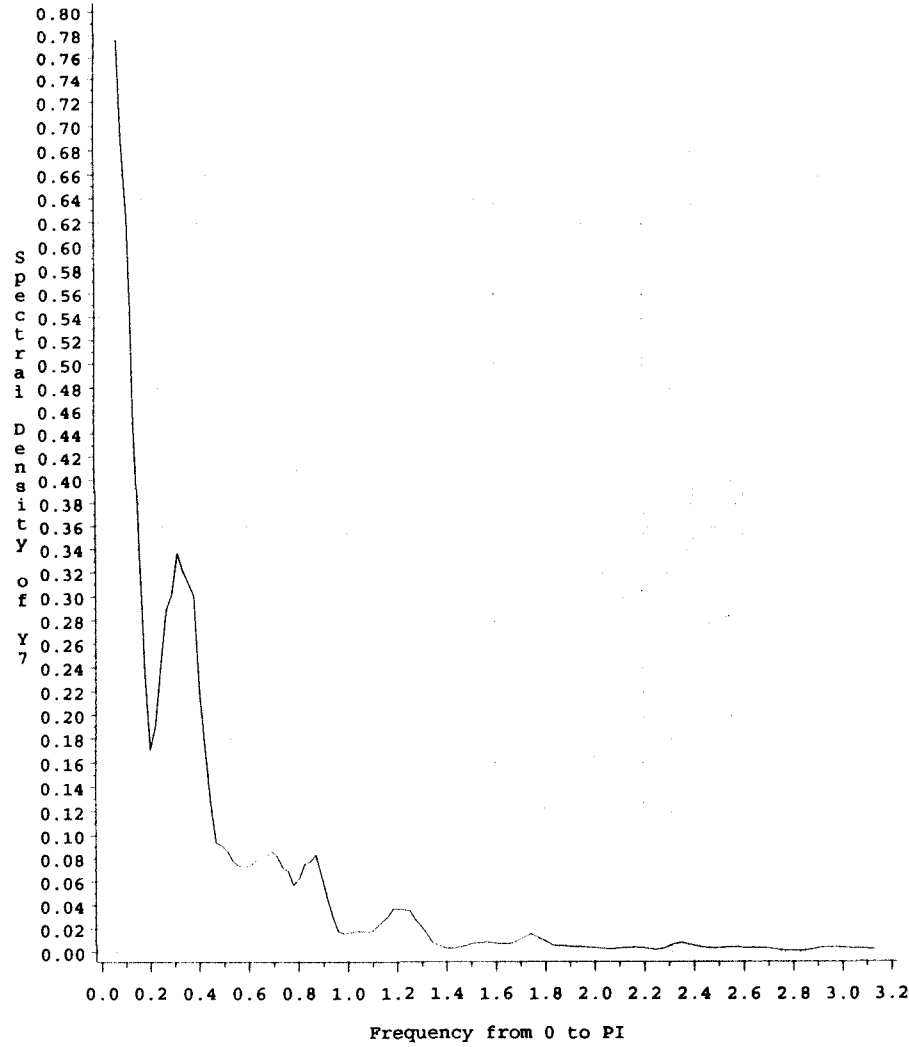
Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



GR.120

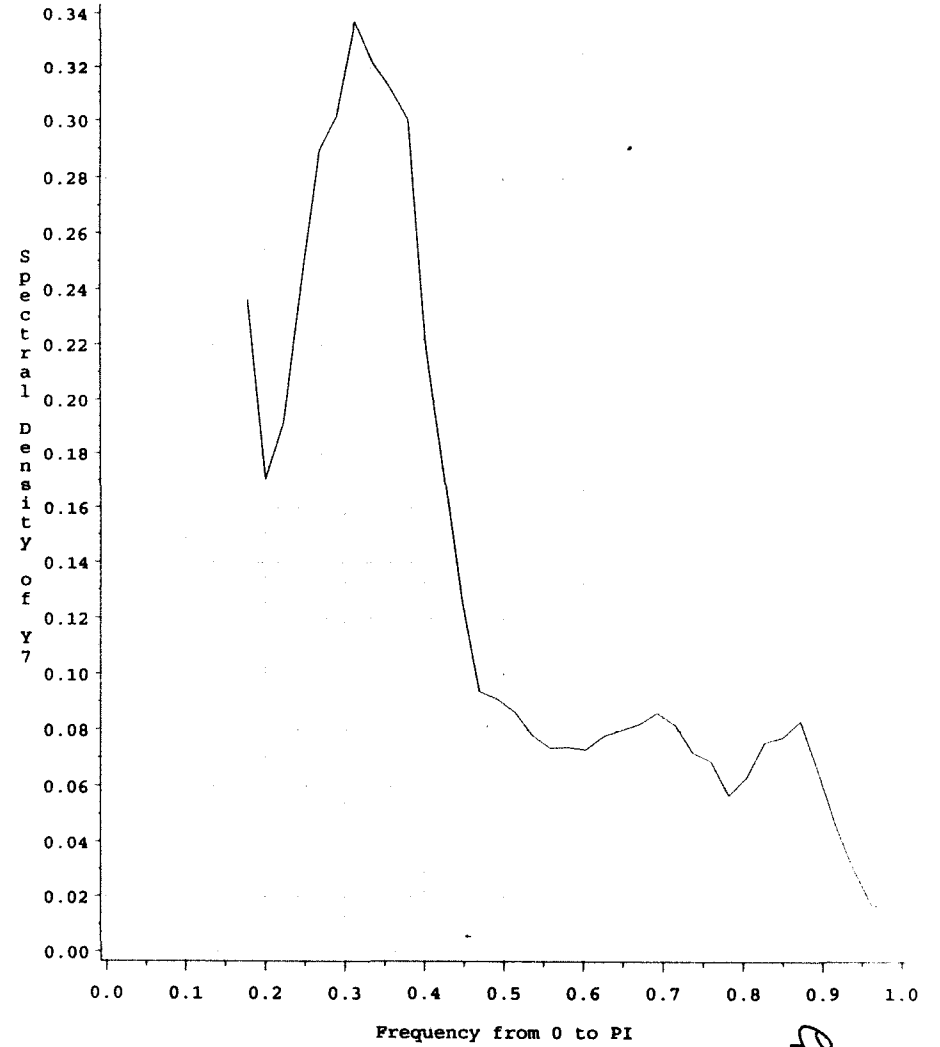
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

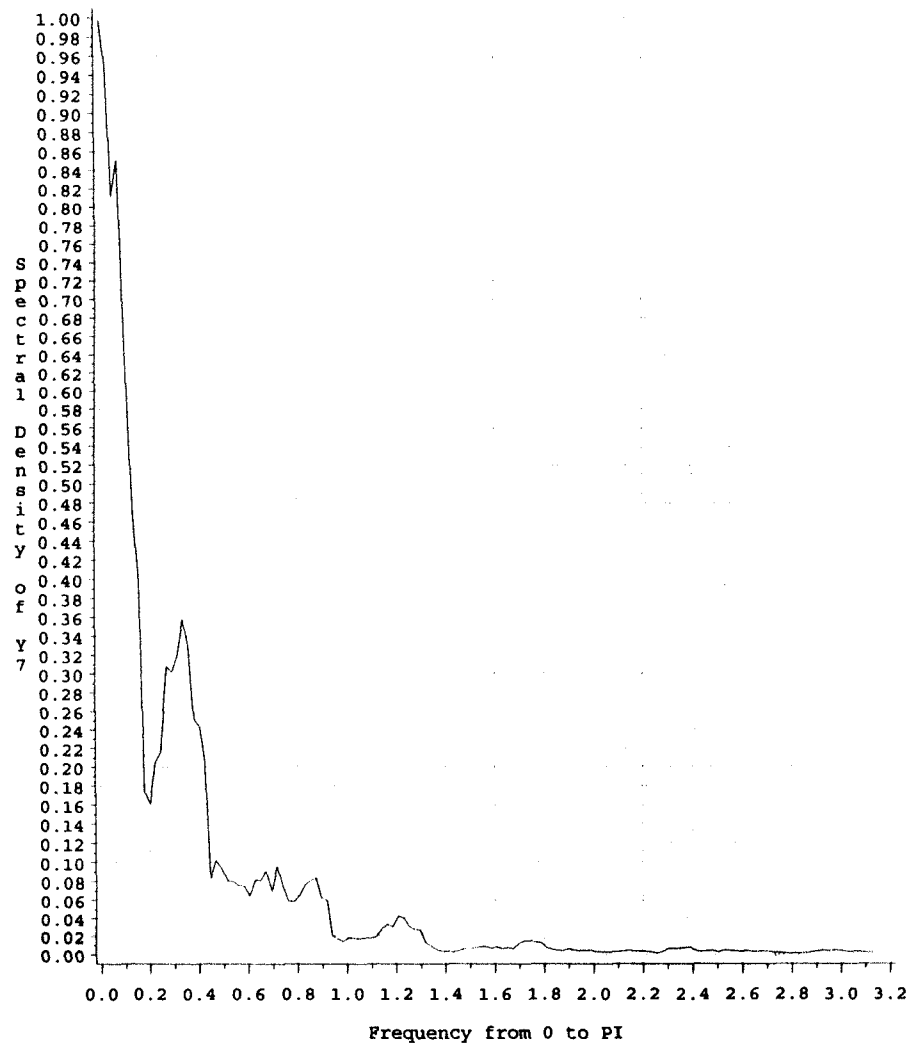
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



PR.121

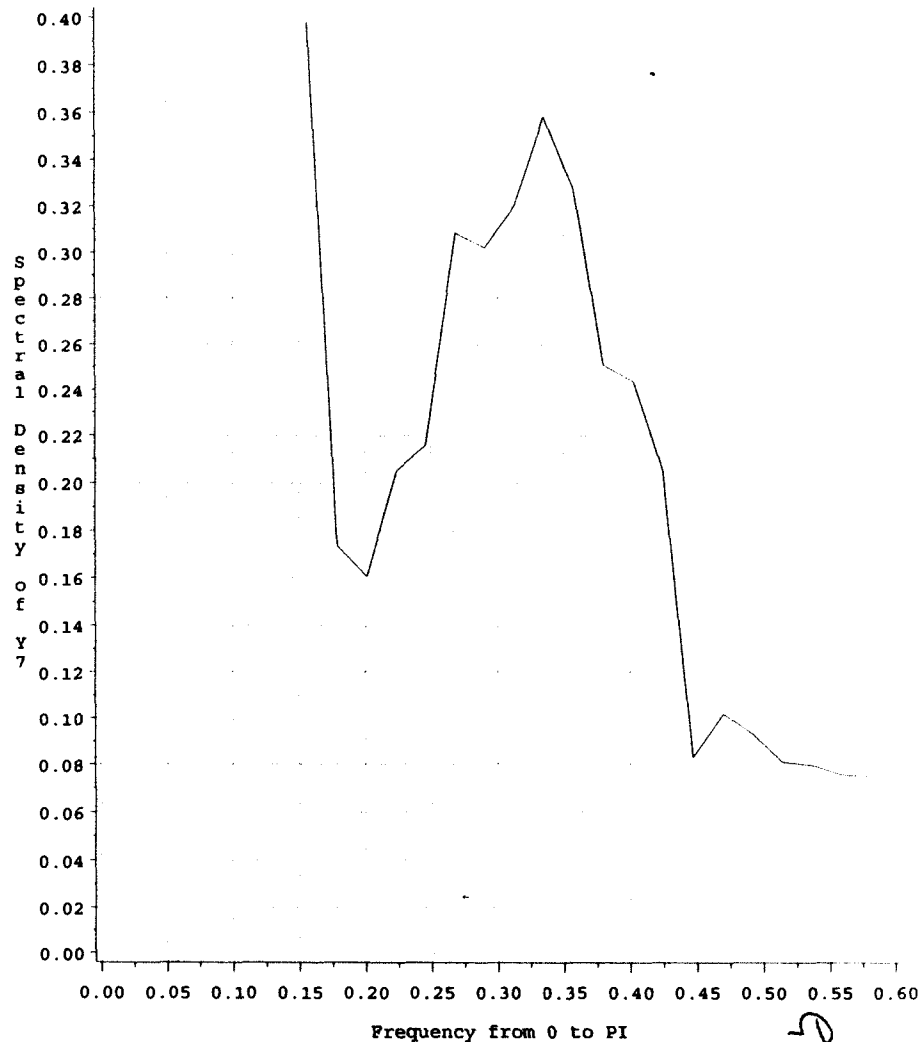
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual

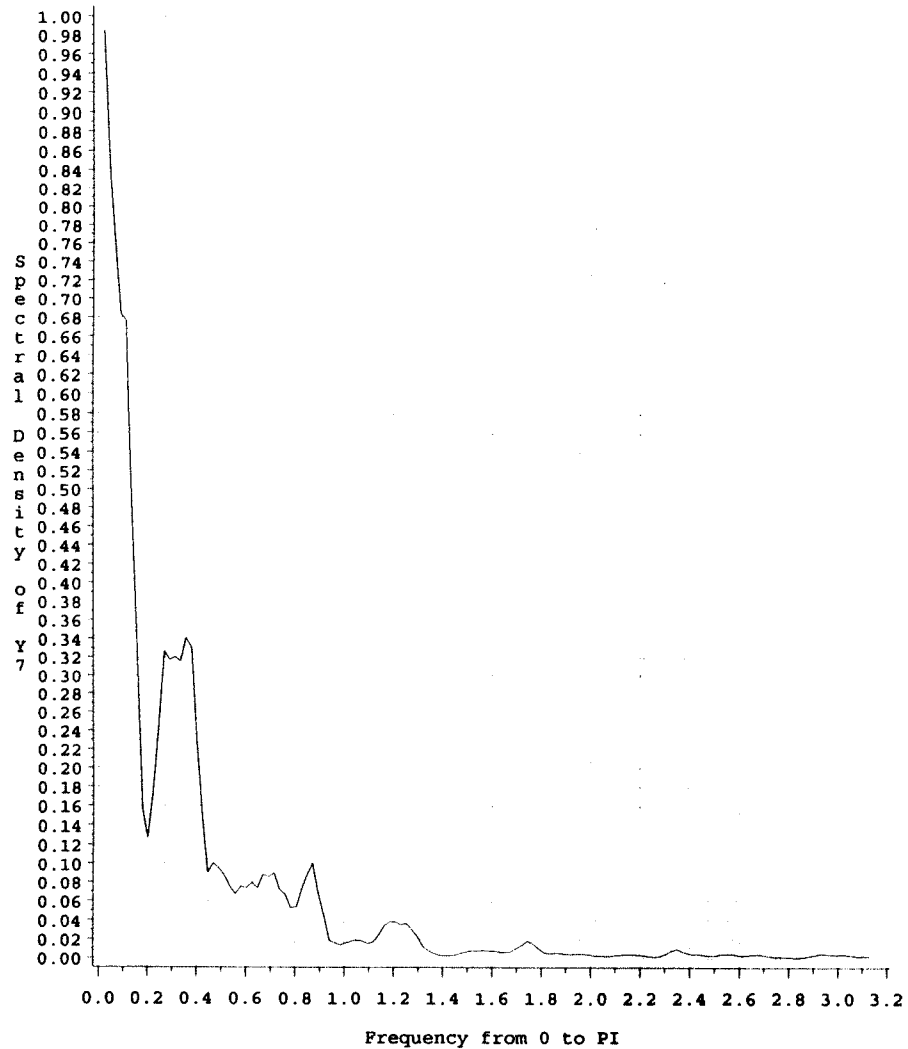


GR.122



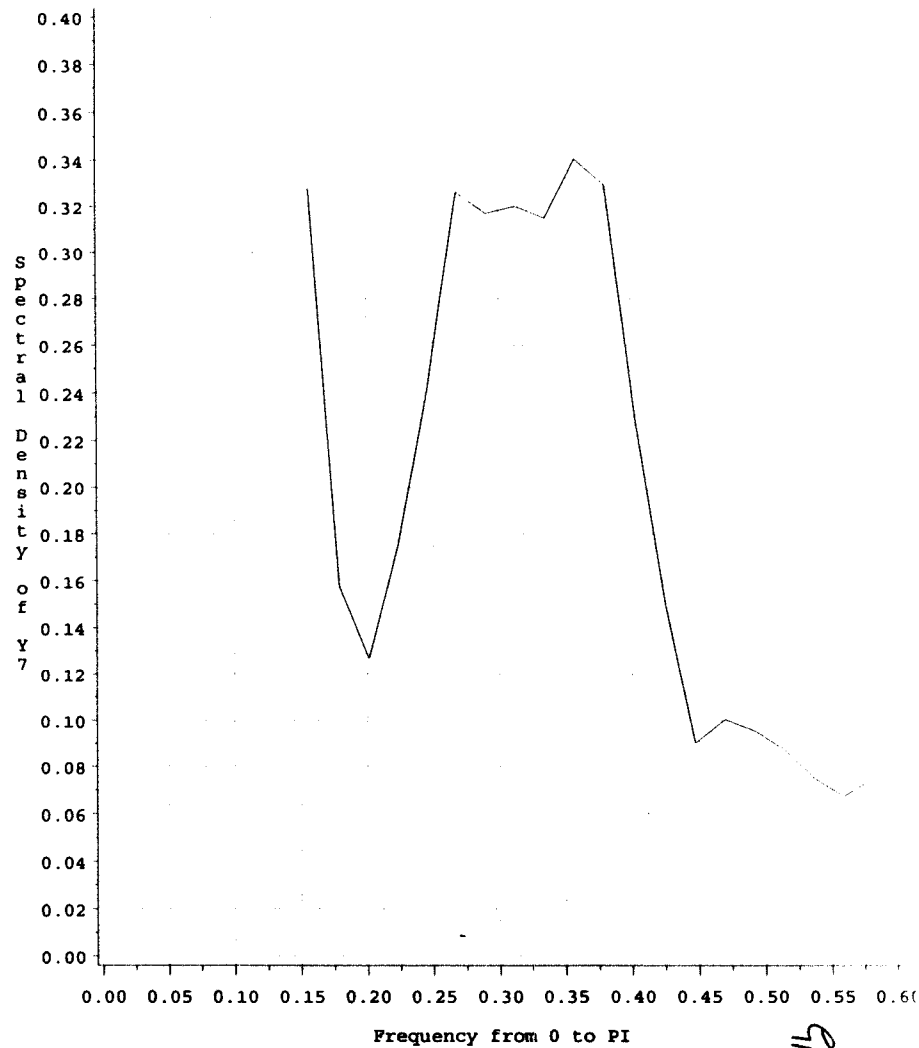
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

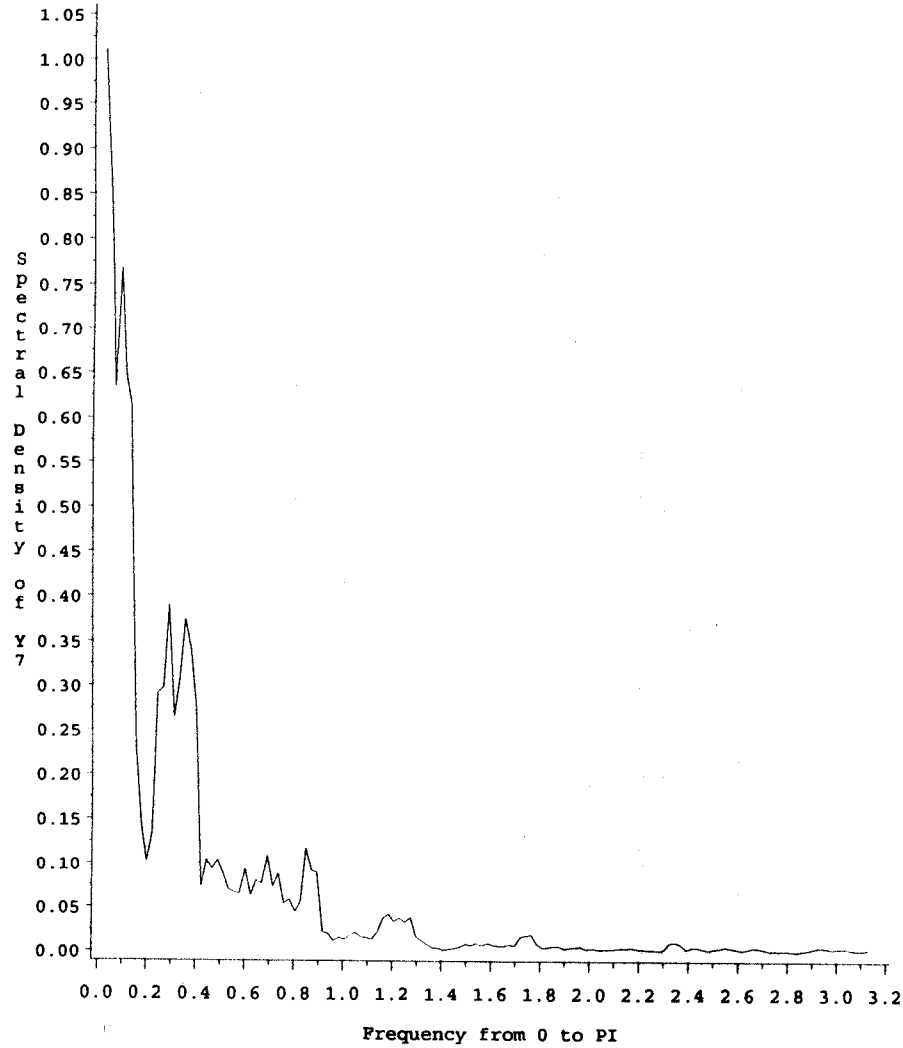
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



PK.123

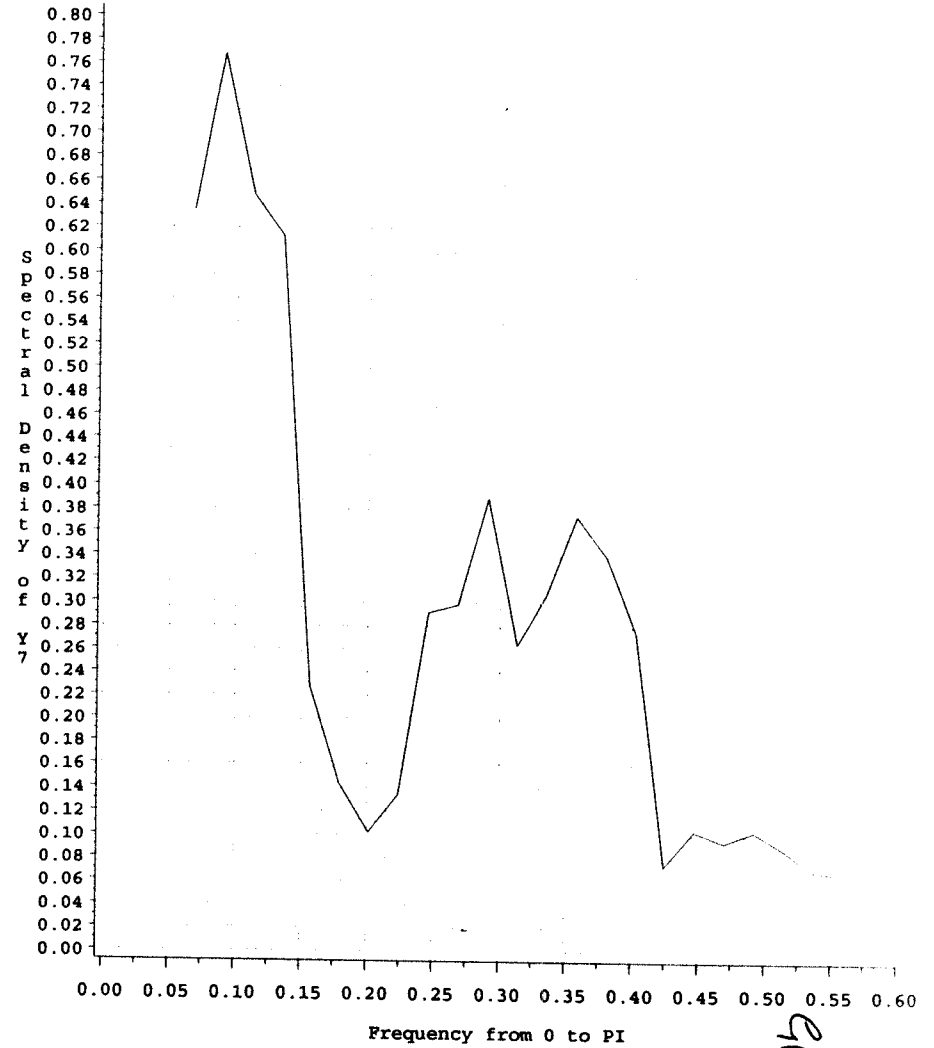
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

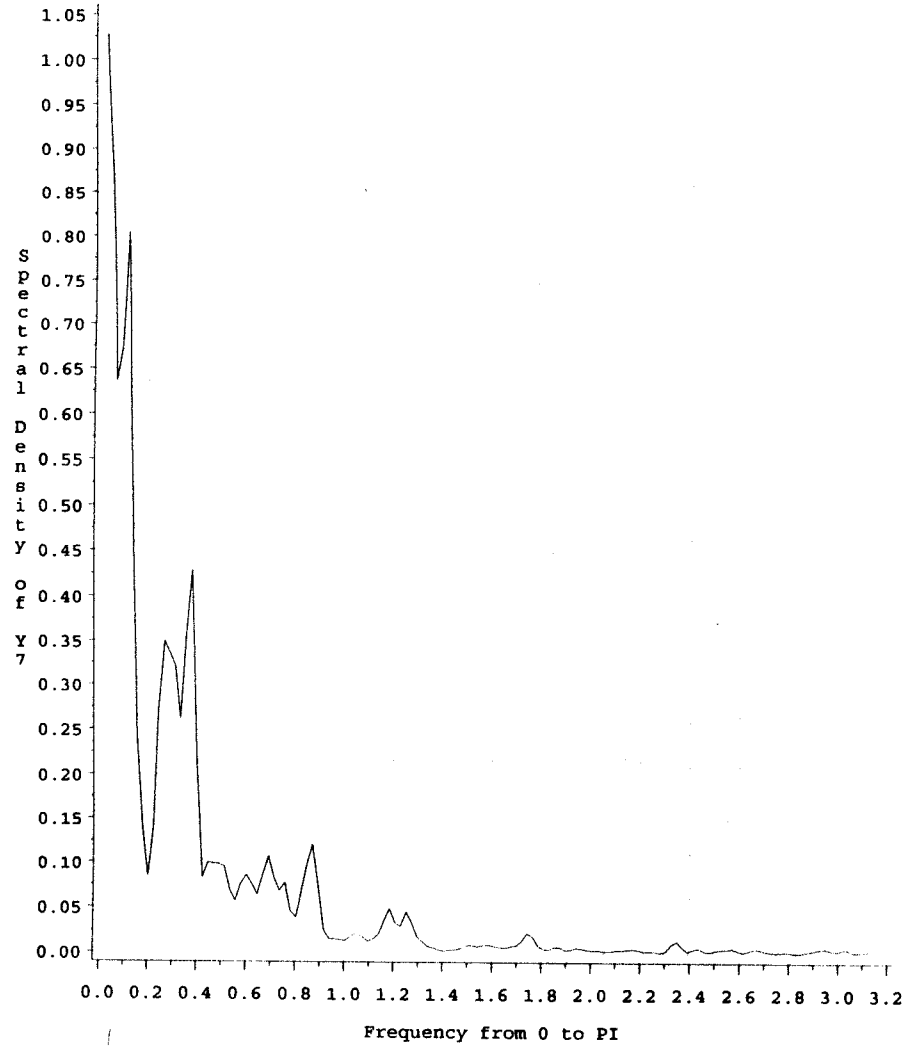
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



GR.124

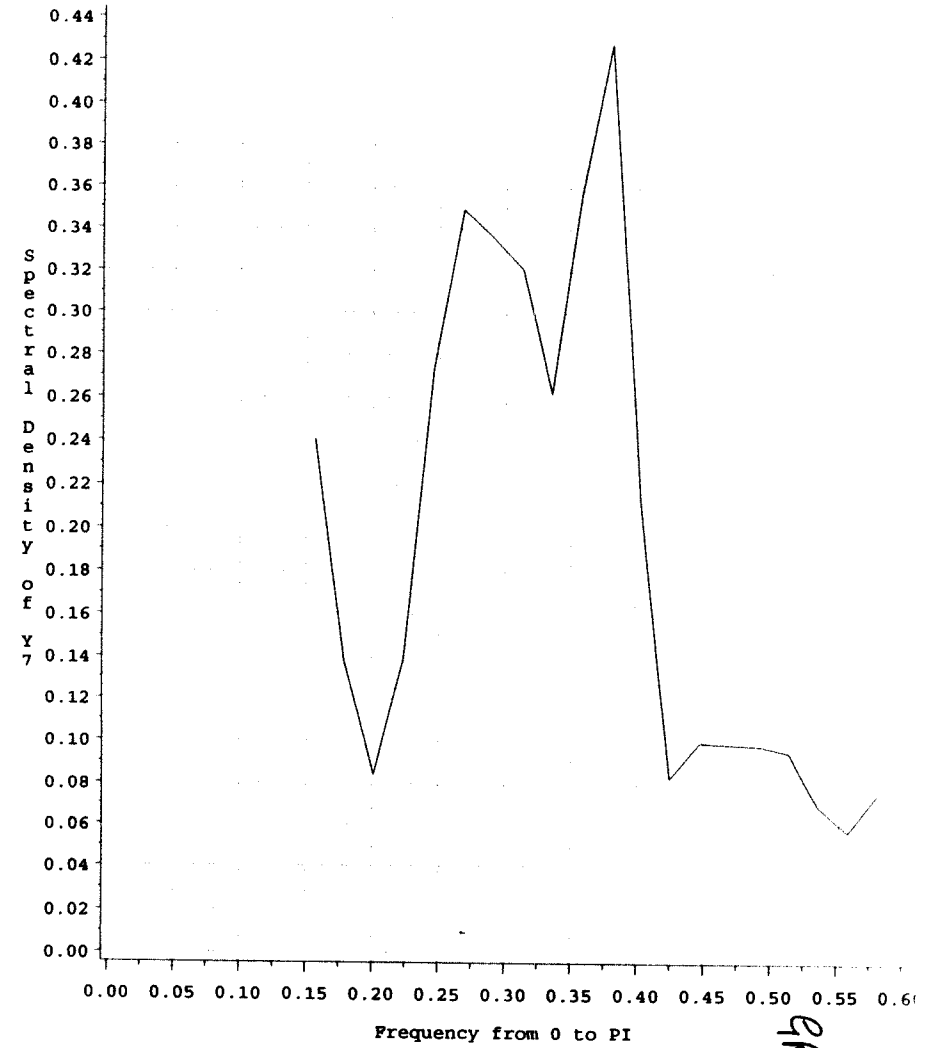
Spectral Density Estimates:(Subset1: War 1495-1775)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset1: War 1495-1775)

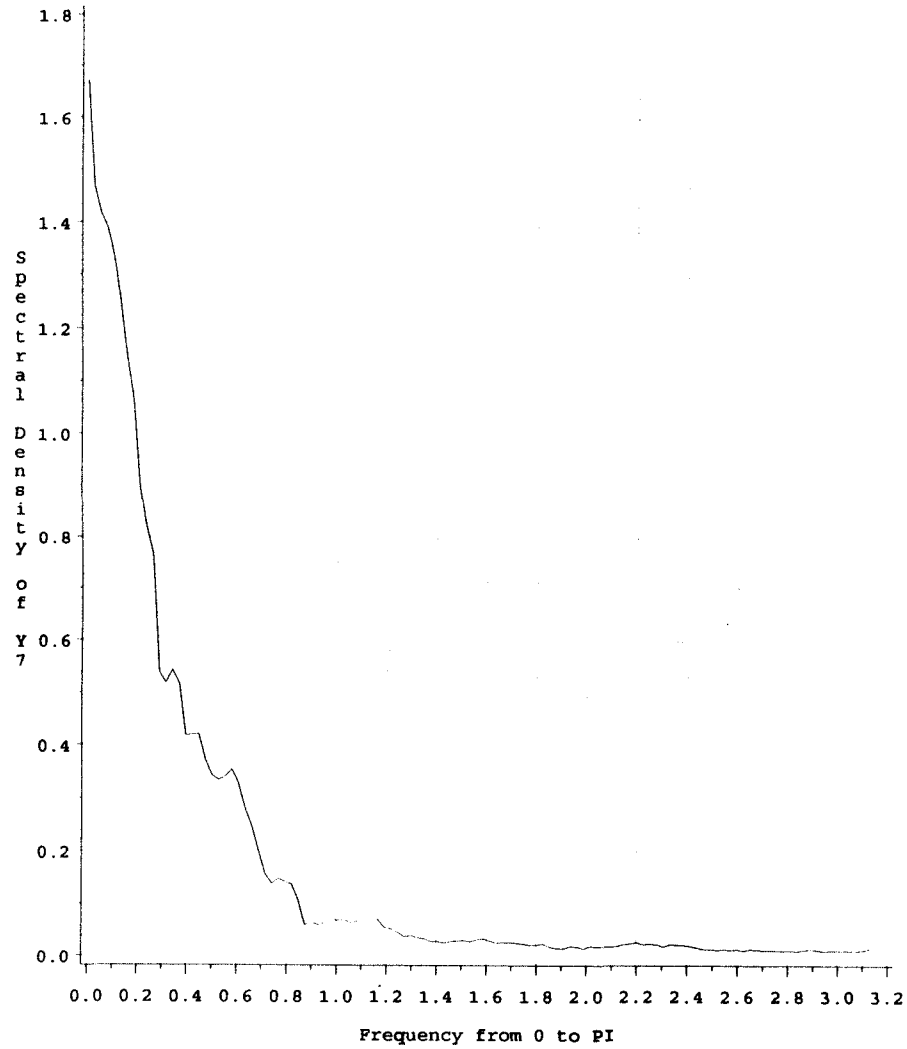
Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.125

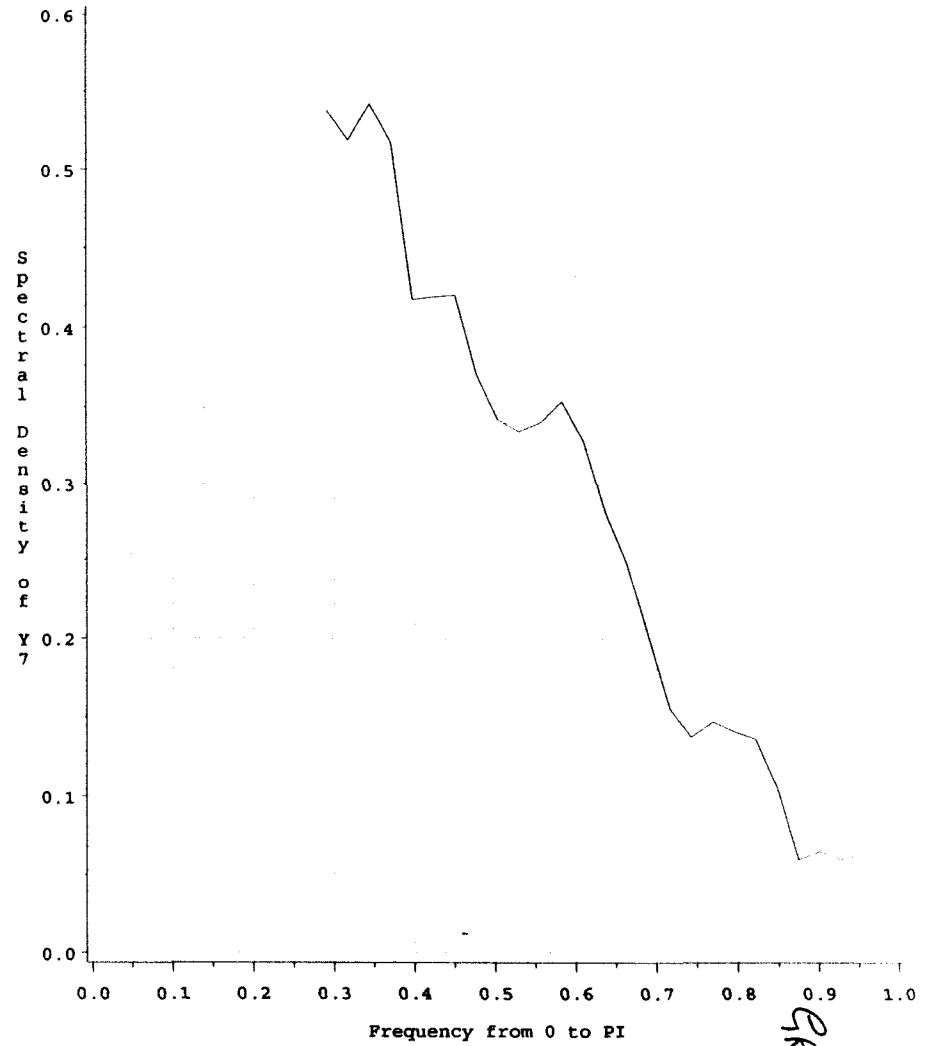
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

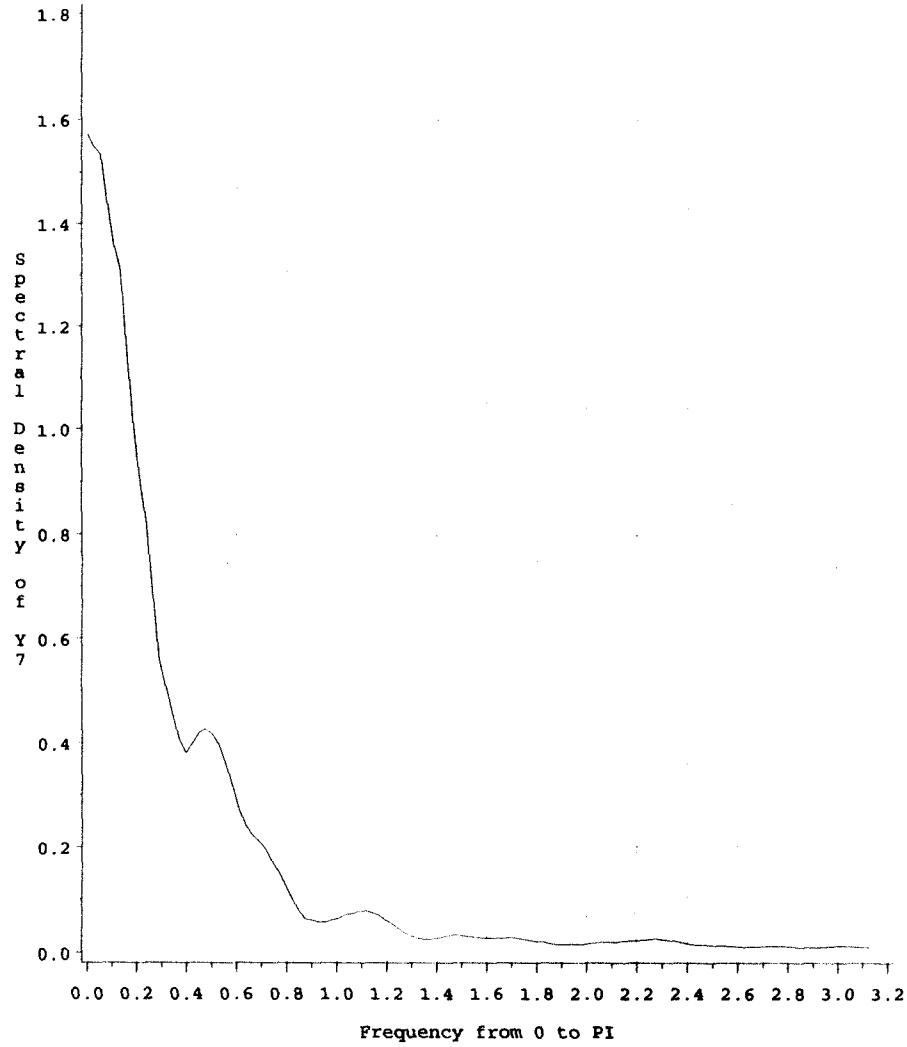
Spectral Window: 11 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



GR.126

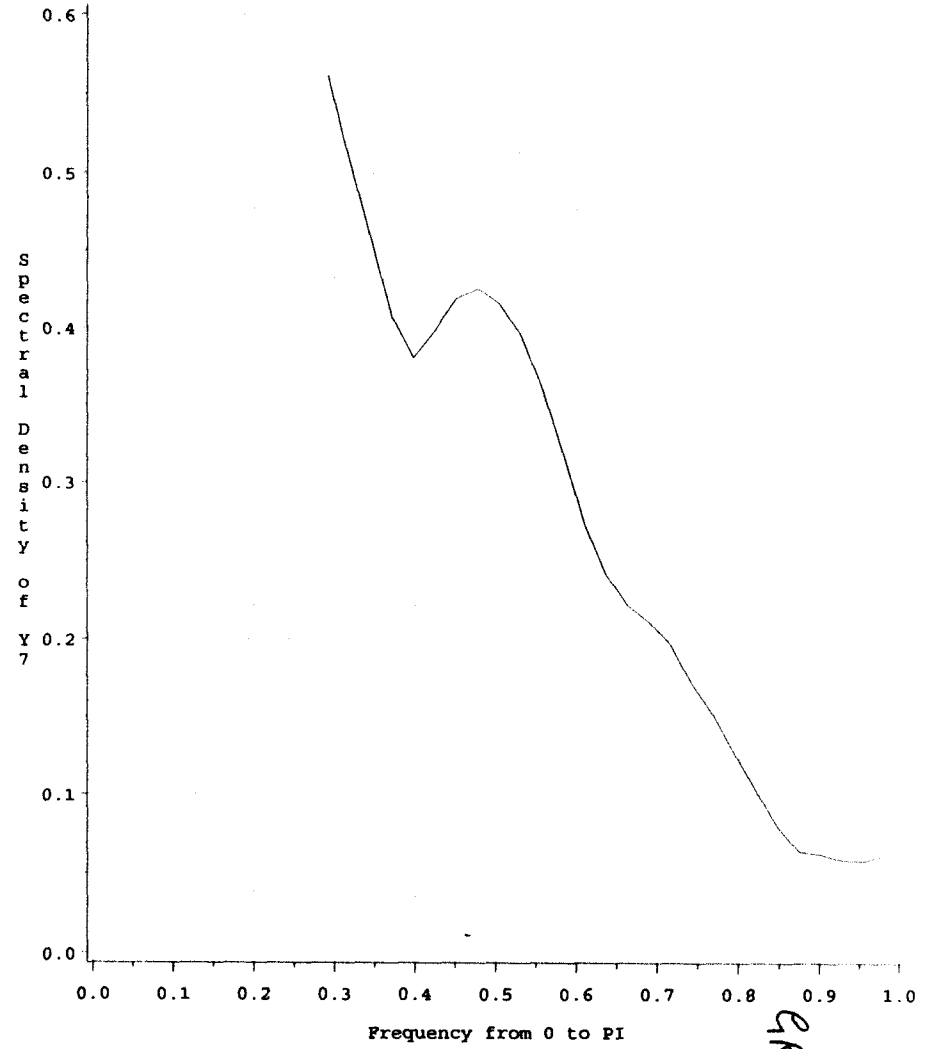
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

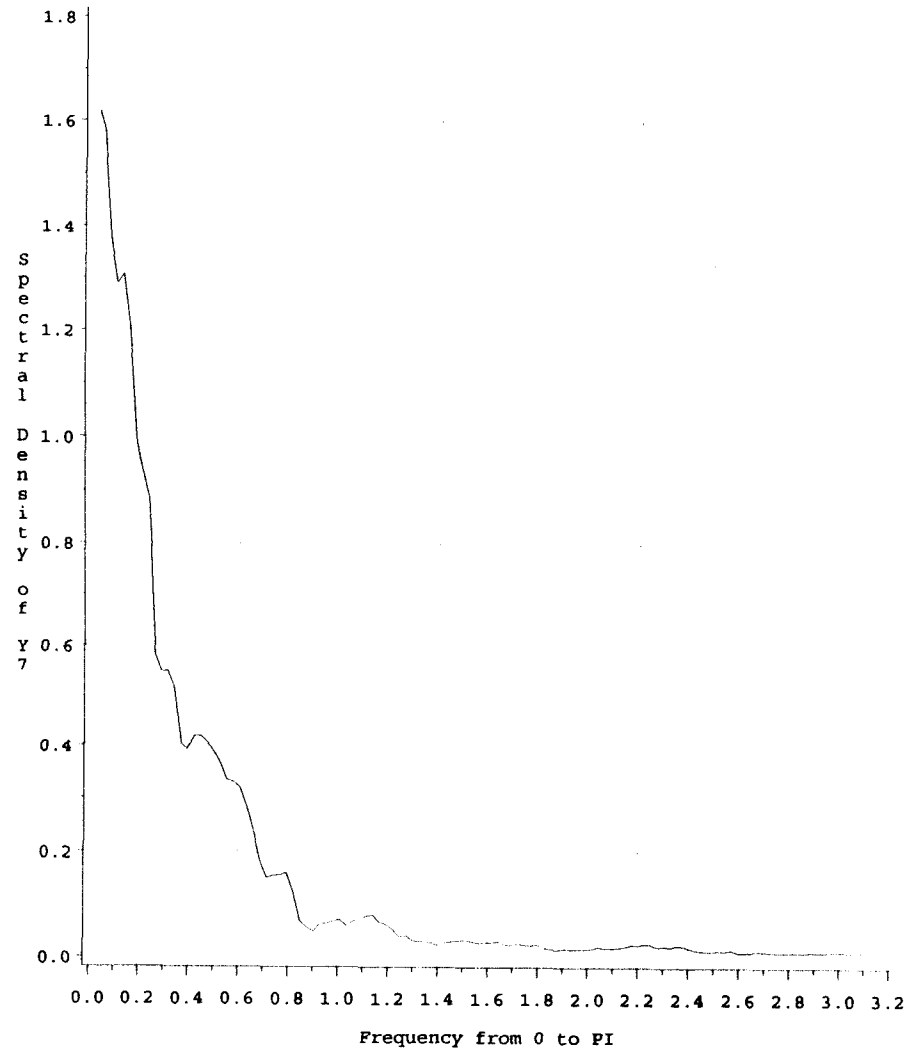
Spectral Window: 11 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.127

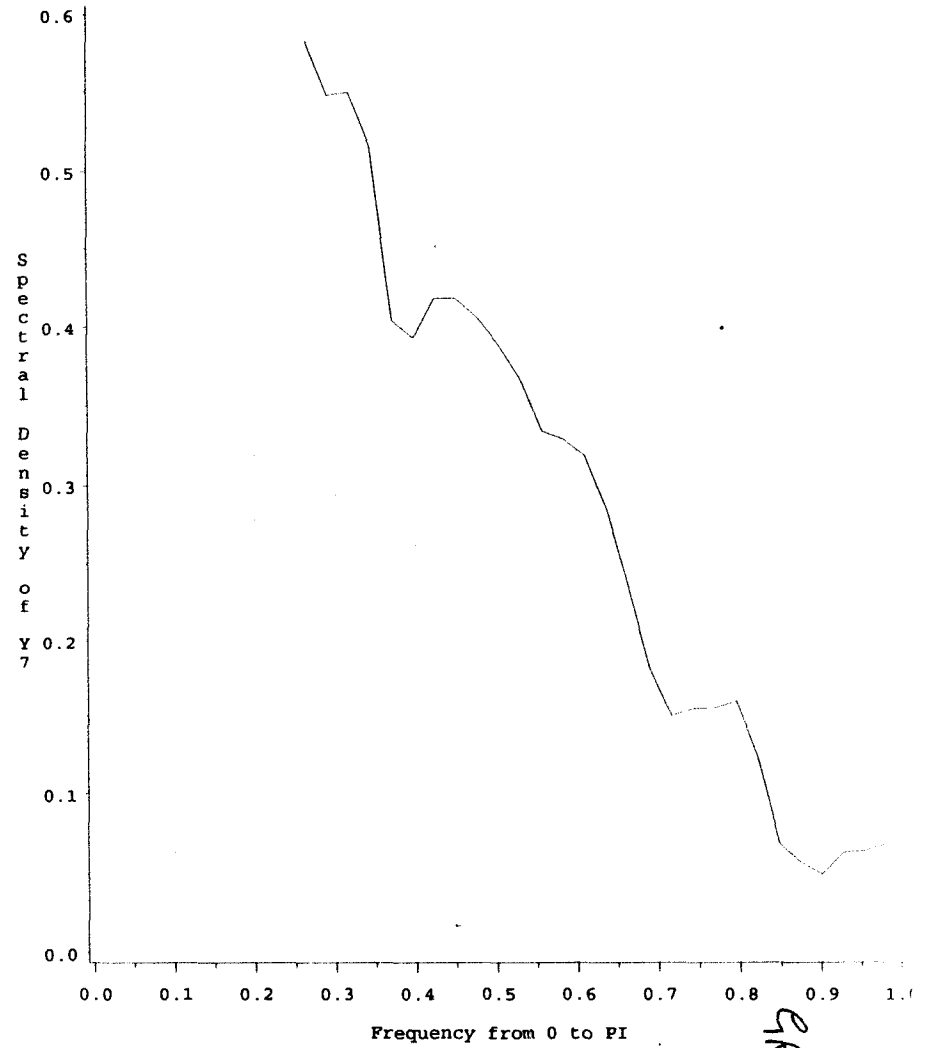
Spectral Density Estimates:(Subset2: War 1756 - 1992)

Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756 - 1992)

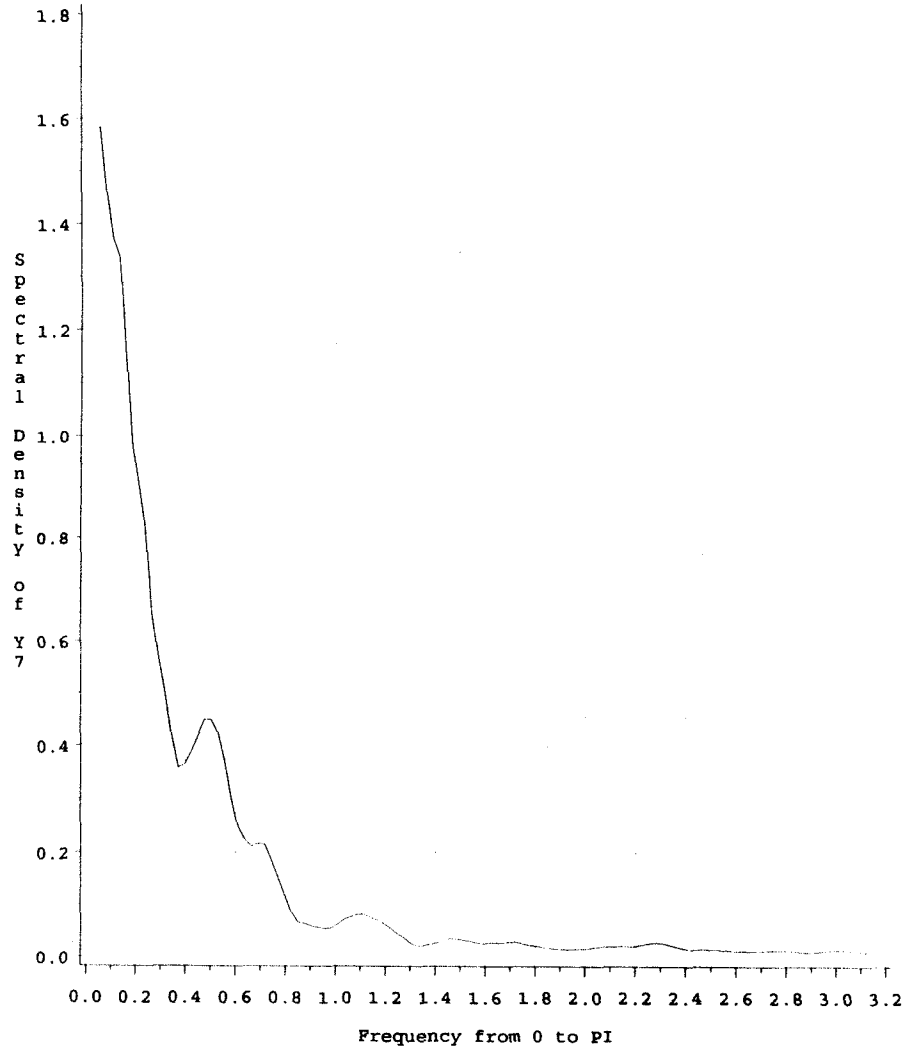
Spectral Window: 9 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



ER.128

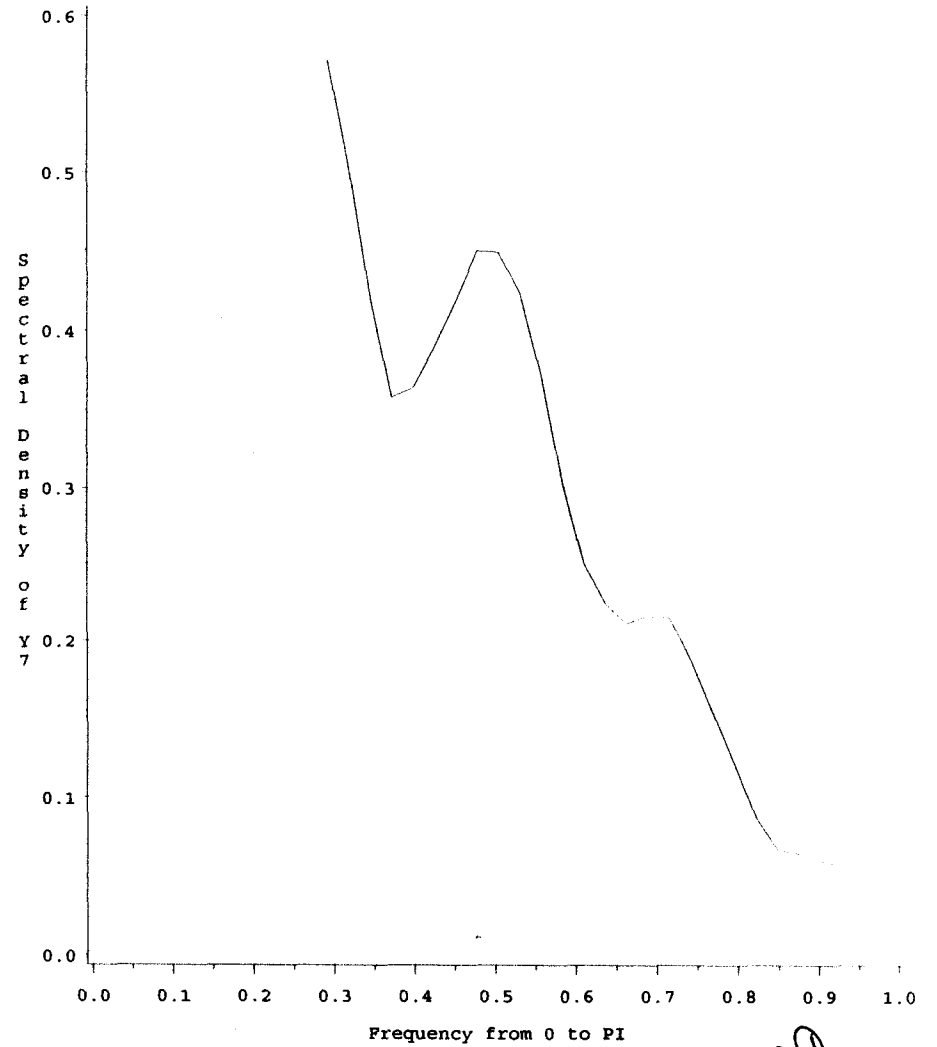
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

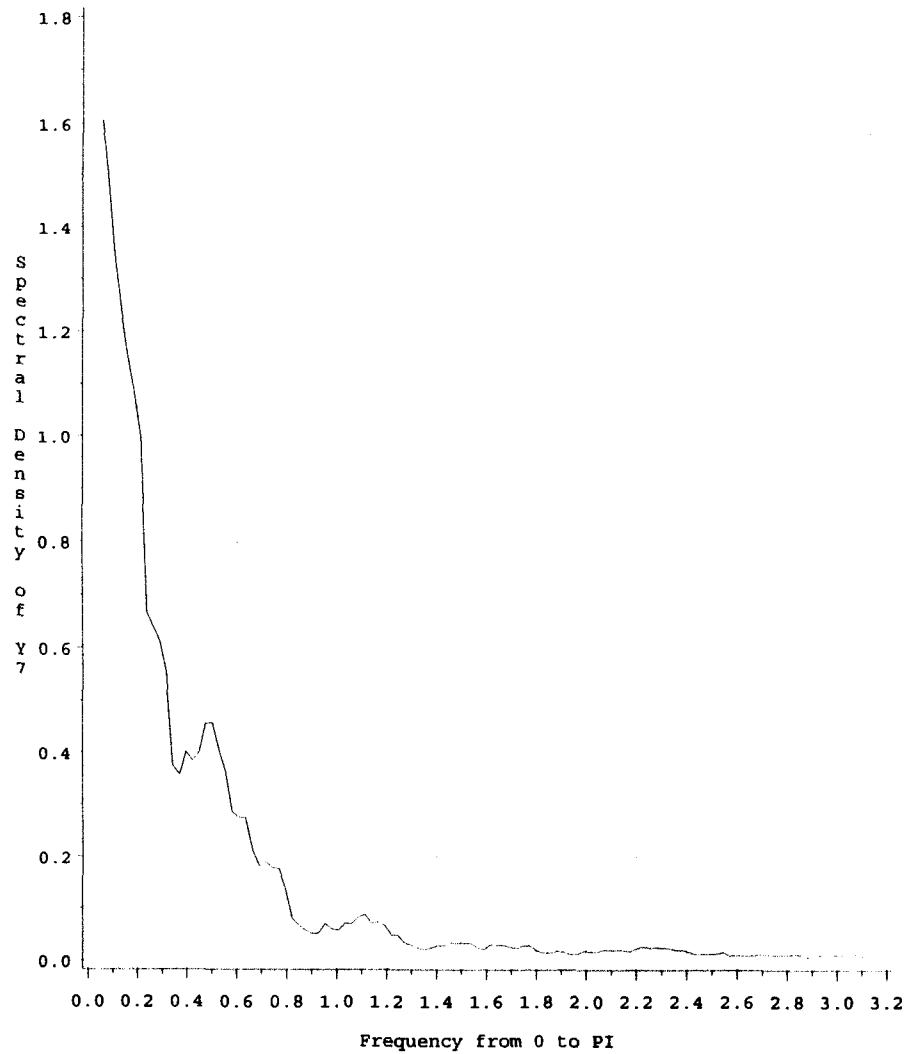
Spectral Window: 9 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



GR.129

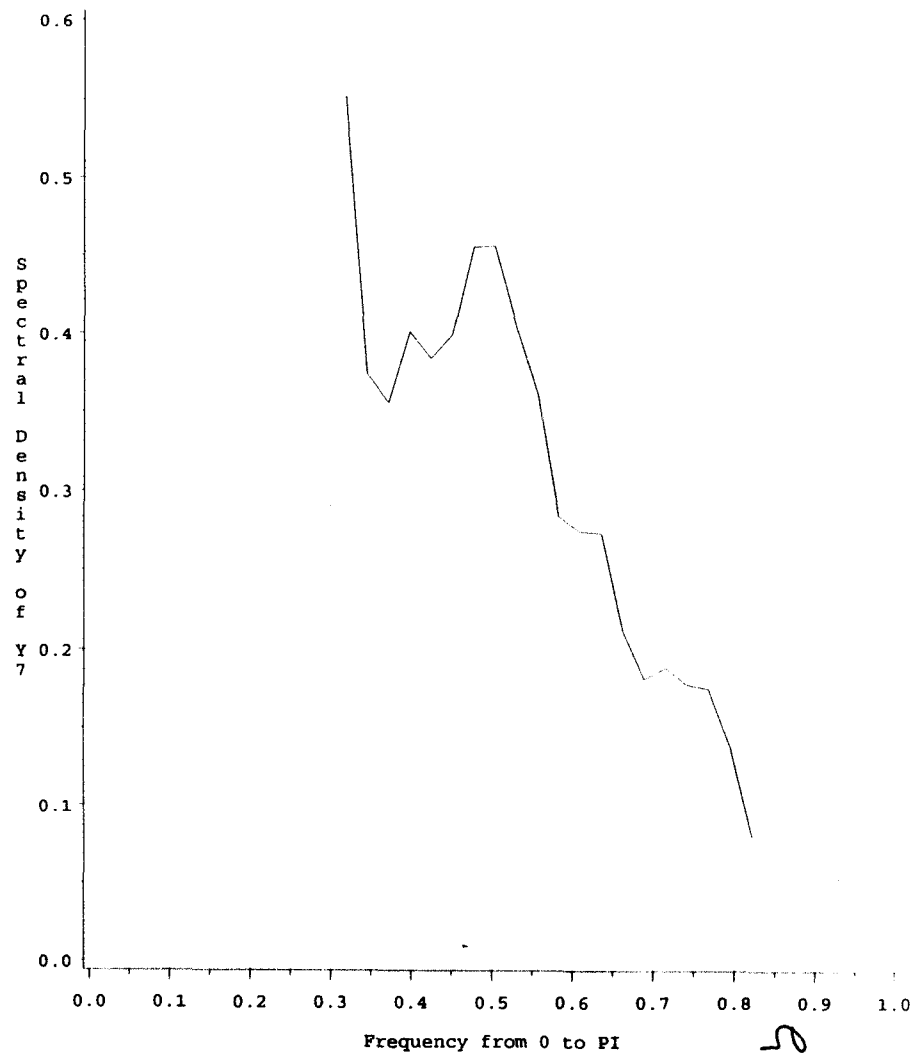
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 7 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual

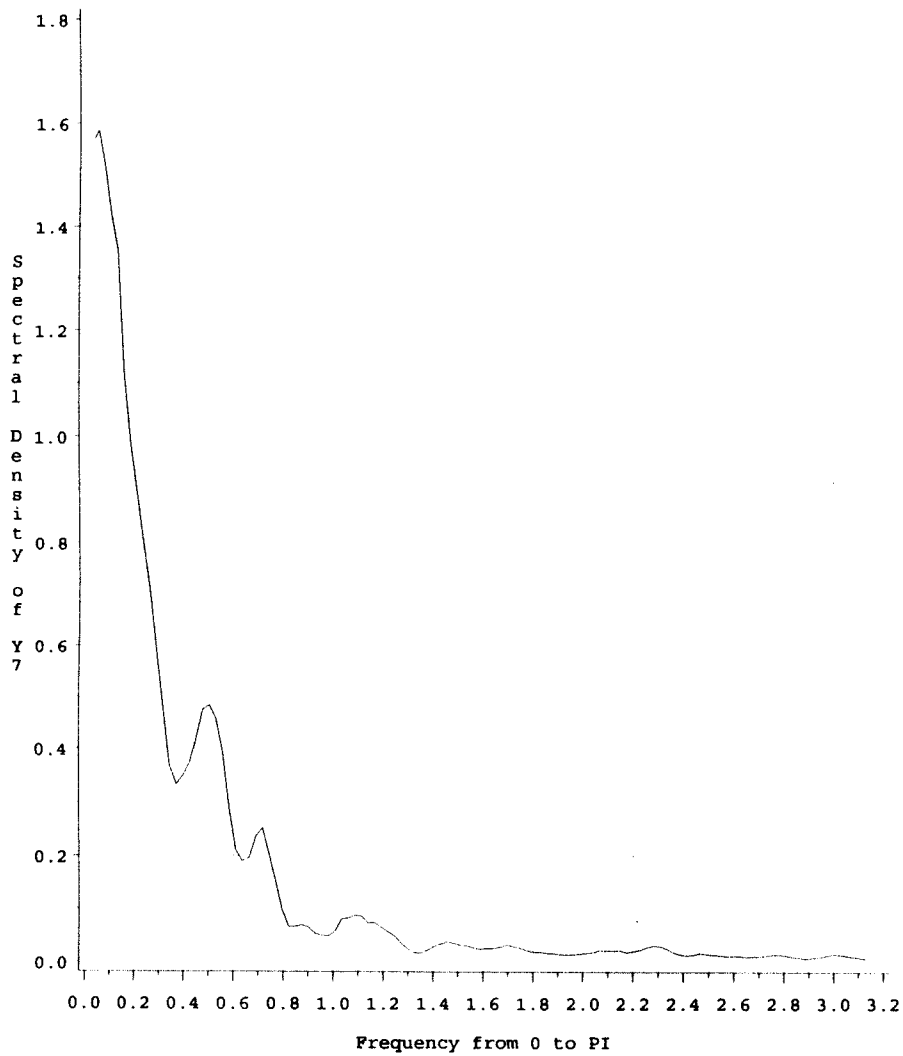


ER.130

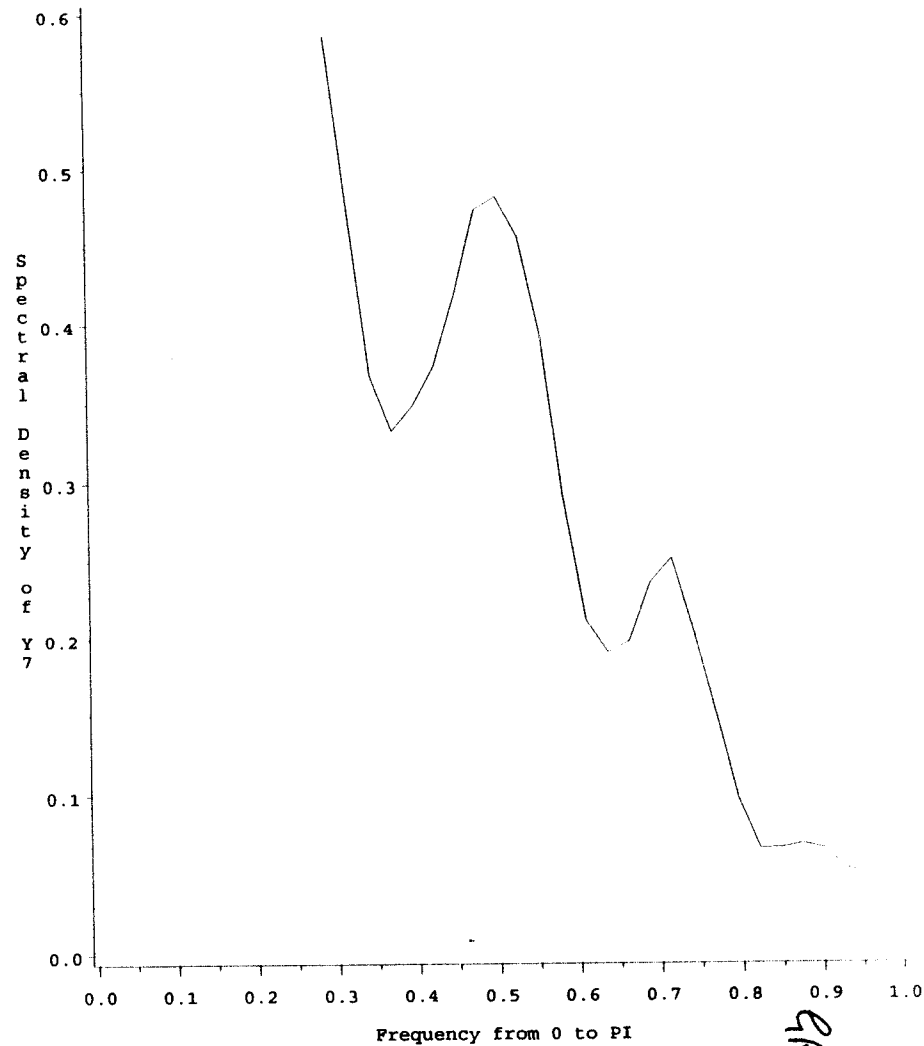


Spectral Density Estimates:(Subset2: War 1756-1992) Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



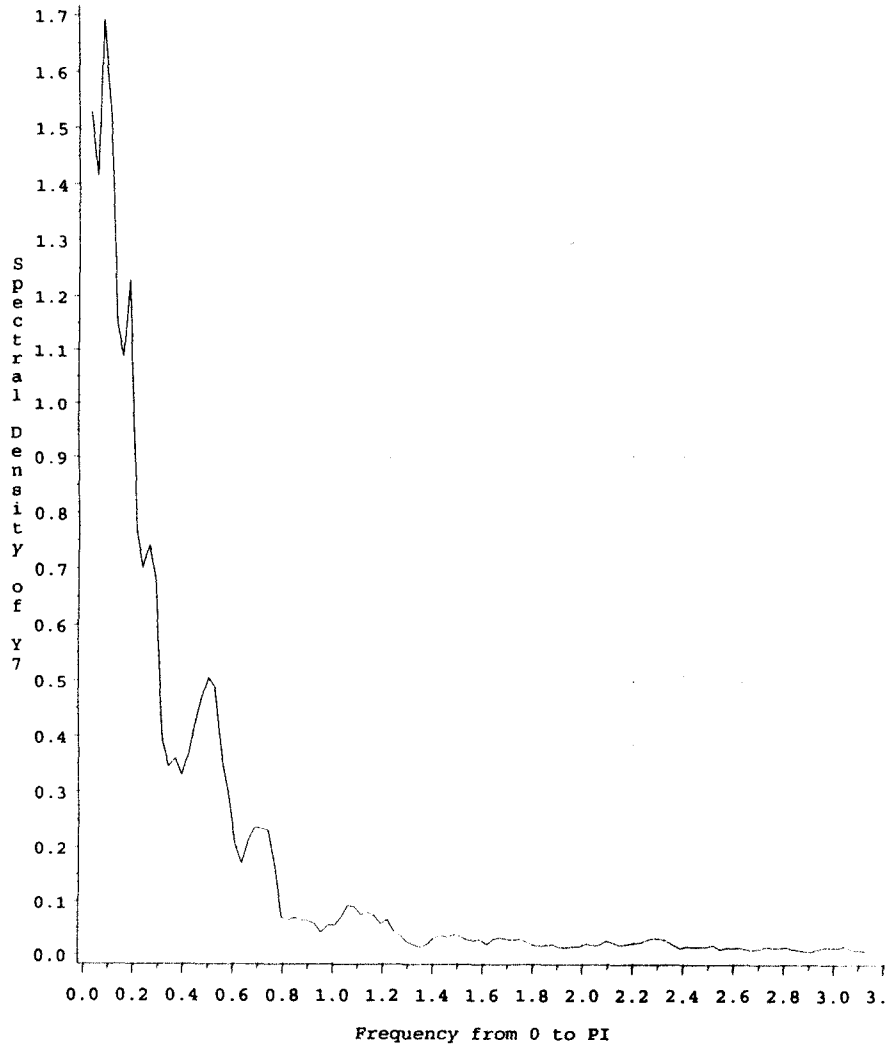
Spectral Window: 7 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.131

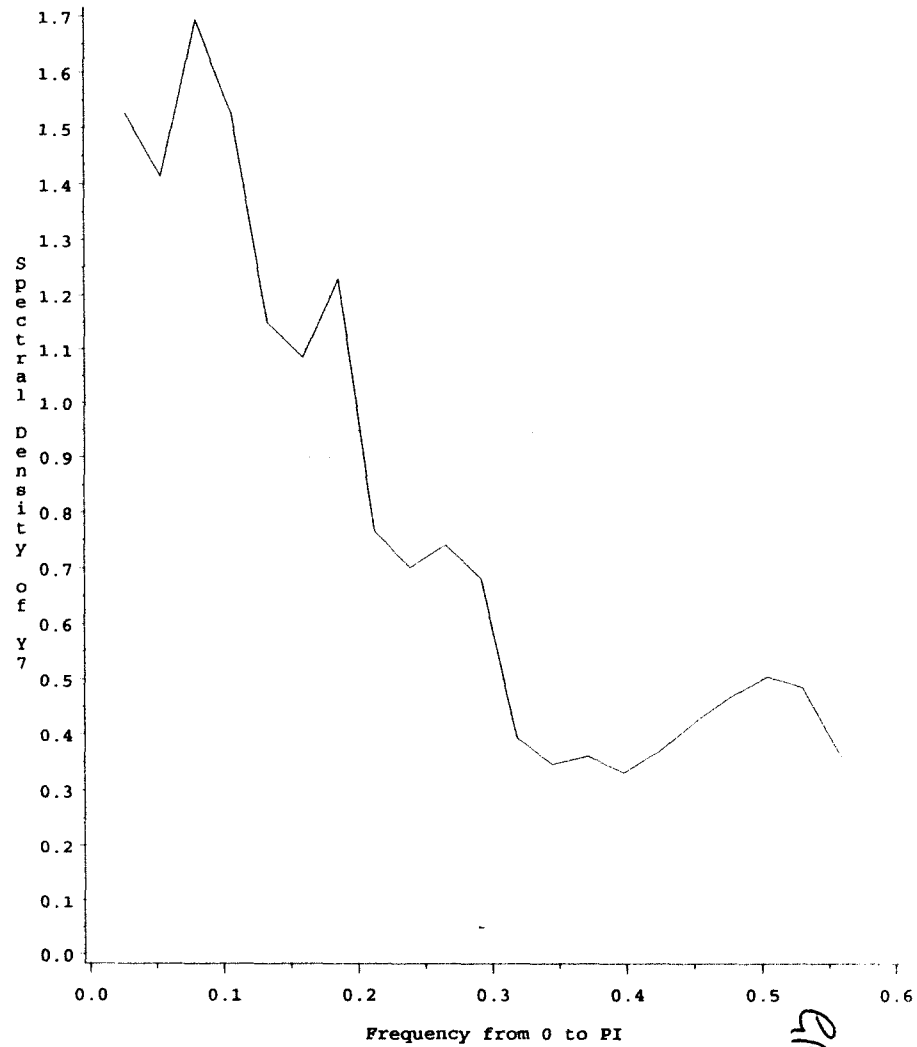
Spectral Density Estimates:(Subset2: War 1756-199

Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

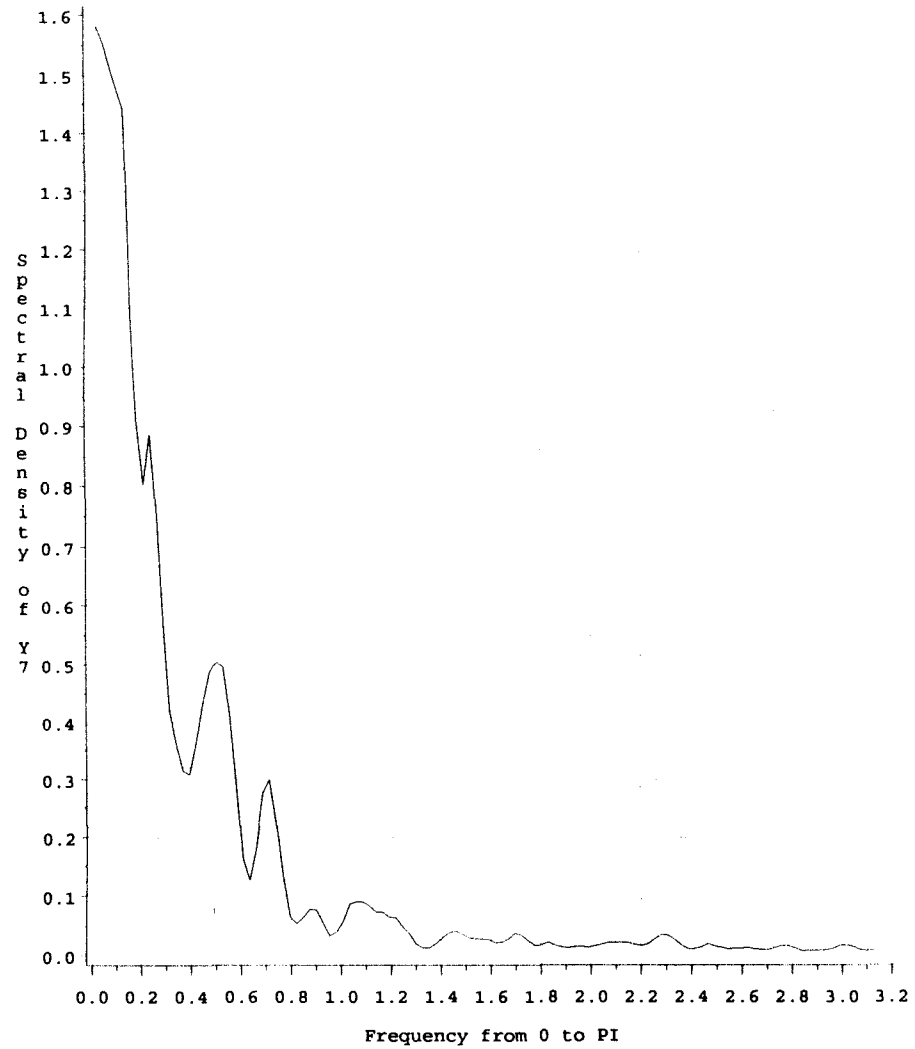
Spectral Window: 5 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



QR.132

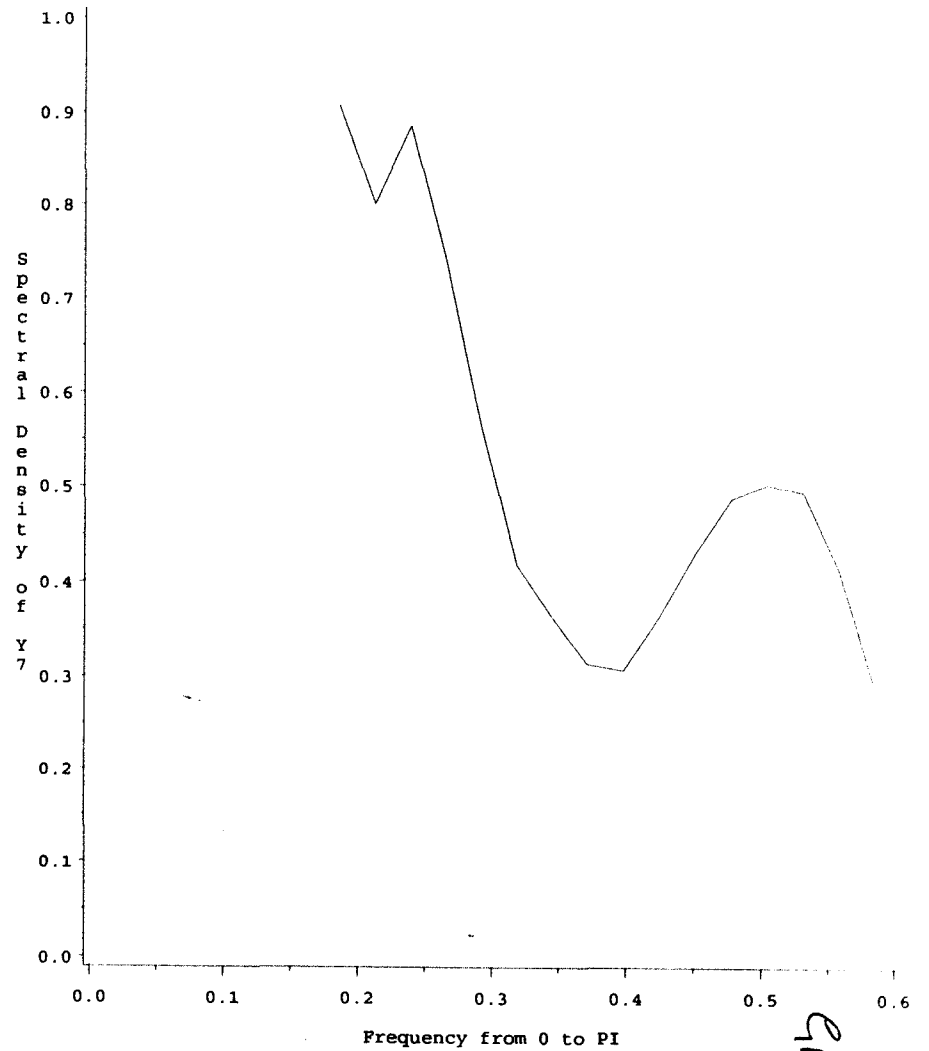
Spectral Density Estimates:(Subset2: War 1756 -1992)

Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756 -1992)

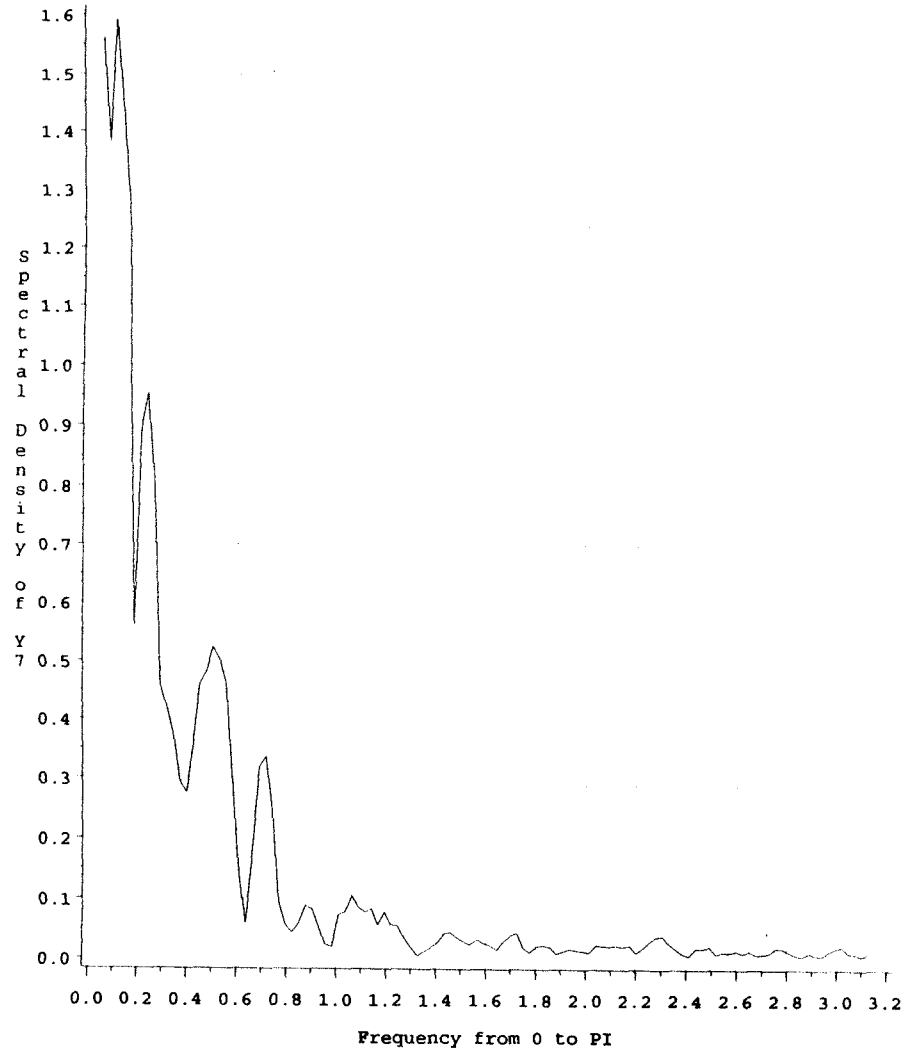
Spectral Window: 5 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



QR.133

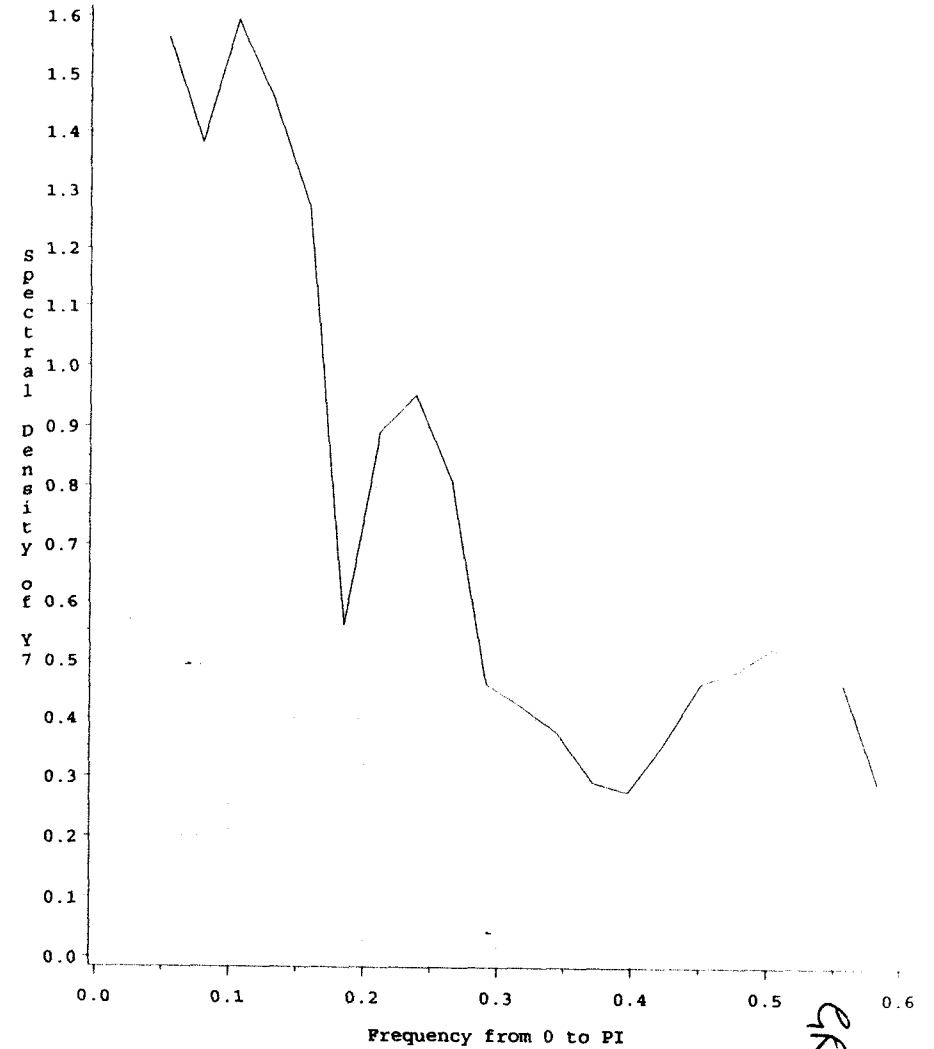
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

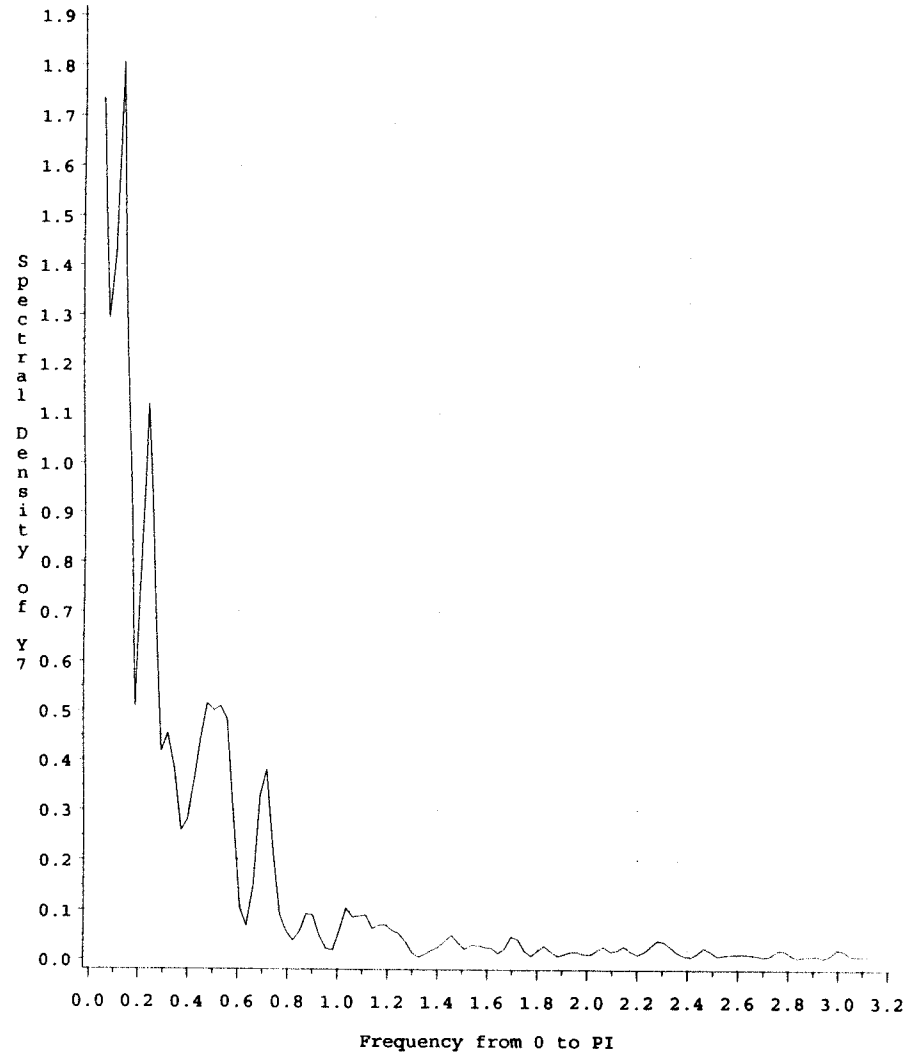
Spectral Window: 3 (Rec)  
Basic (Homoscedastic Approxm) Model:Residual



QR.134

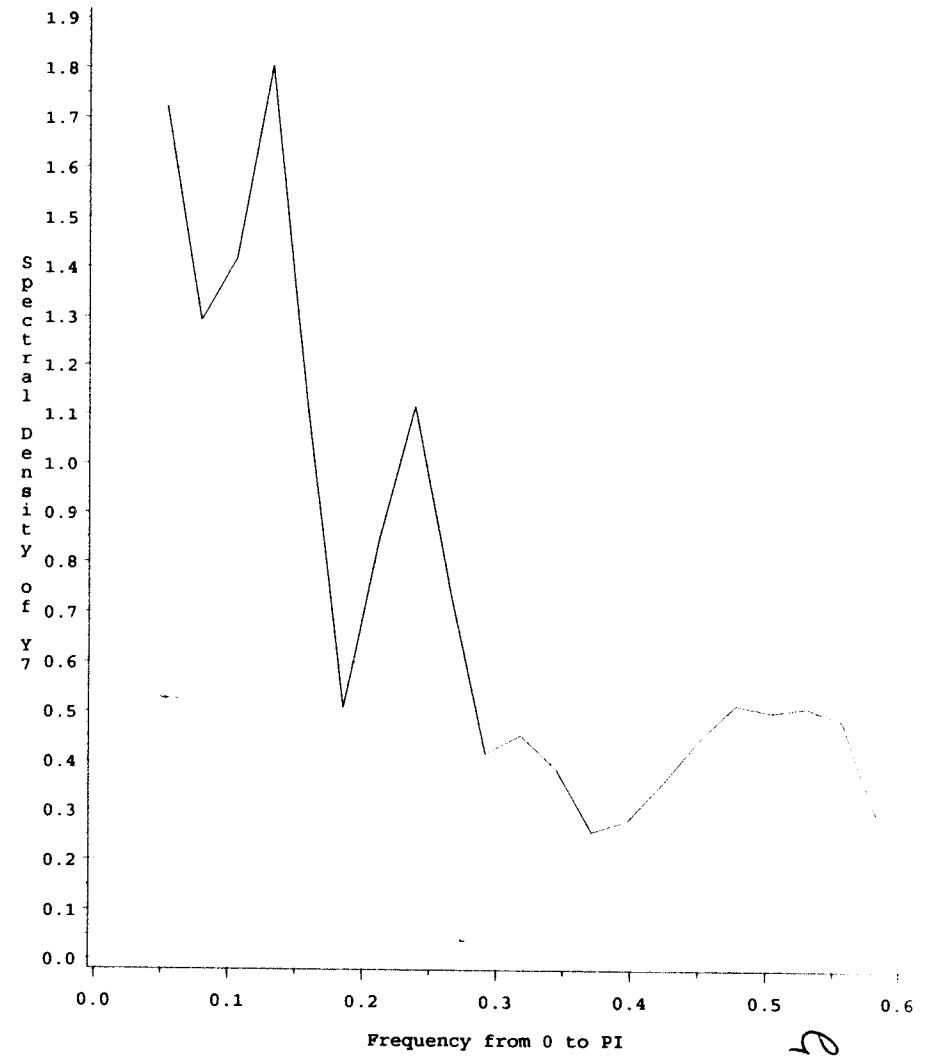
Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



Spectral Density Estimates:(Subset2: War 1756-1992)

Spectral Window: 3 (Tri)  
Basic (Homoscedastic Approxm) Model:Residual



ER.135