

No.29

名古屋市立大学NCU2000計量モデルの推定結果

2000年10月

名古屋市立大学経済学部附属経済研究所

徳永 澄憲

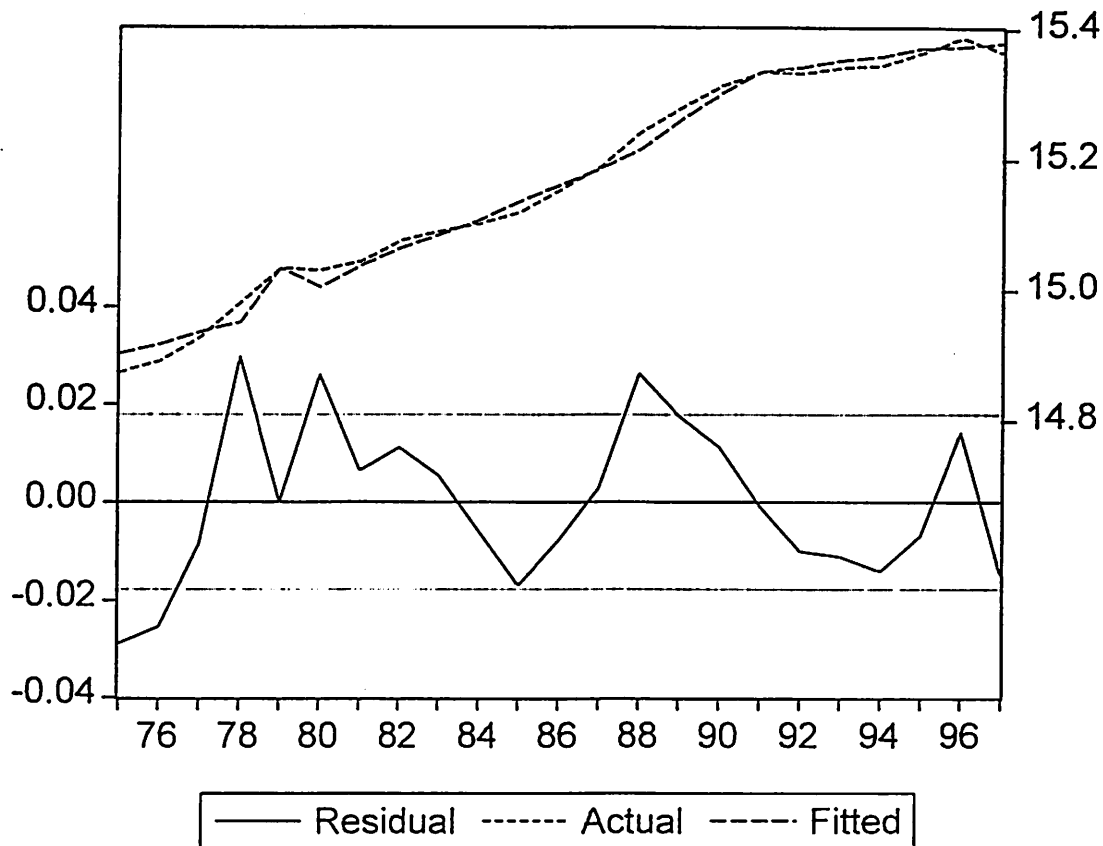
名古屋市立大学経済学部附属経済研究所

信國 眞載

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上山 仁恵

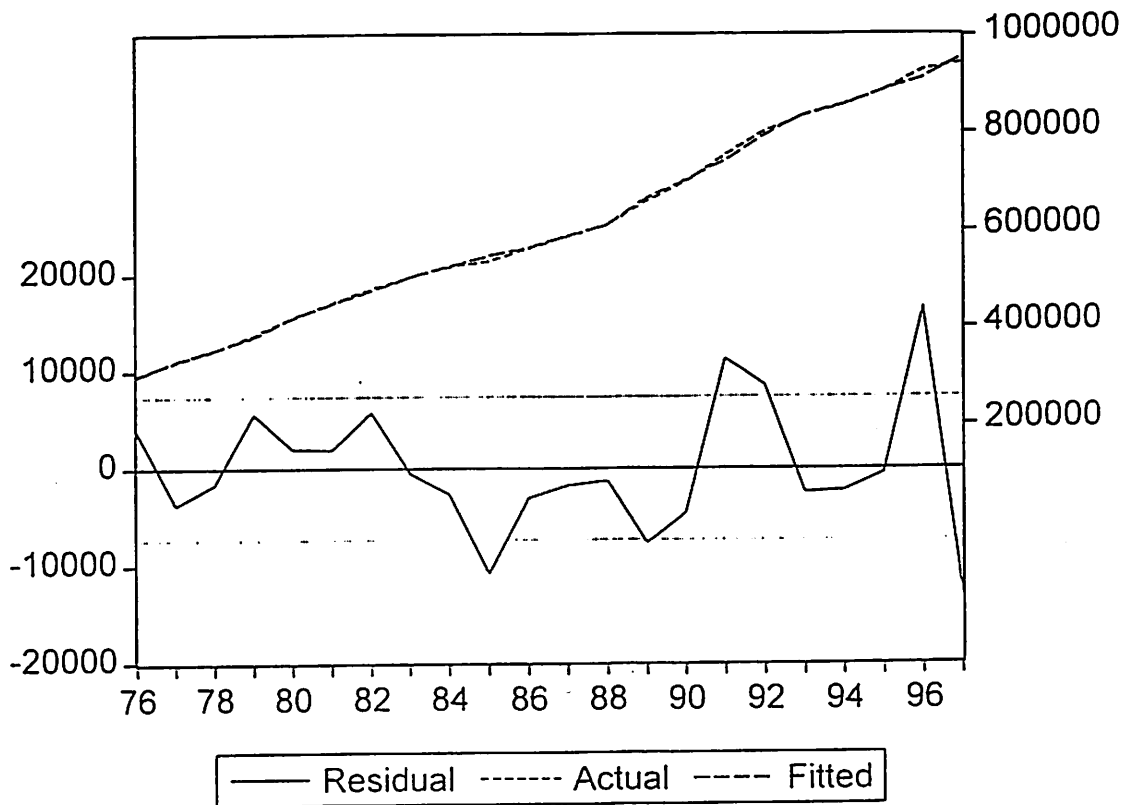
Dependent Variable: LOG(CPR_N)				
Method: Least Squares				
Date: 10/31/00 Time: 20:01				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.419832	5.817736	-0.415940	0.6824
LOG((YEW_N+YPH_N	0.305623	0.094953	3.218659	0.0048
LOG(N1564_N)	0.581766	0.489623	1.188193	0.2502
LOG(N65_N)	0.376909	0.042291	8.912317	0.0000
D79	0.047489	0.018806	2.525246	0.0212
R-squared	0.990556	Mean dependent var	15.16611	
Adjusted R-squared	0.988457	S.D. dependent var	0.165850	
S.E. of regression	0.017818	Akaike info criterion	-5.027519	
Sum squared resid	0.005715	Schwarz criterion	-4.780672	
Log likelihood	62.81647	F-statistic	471.9981	
Durbin-Watson stat	1.128814	Prob(F-statistic)	0.000000	



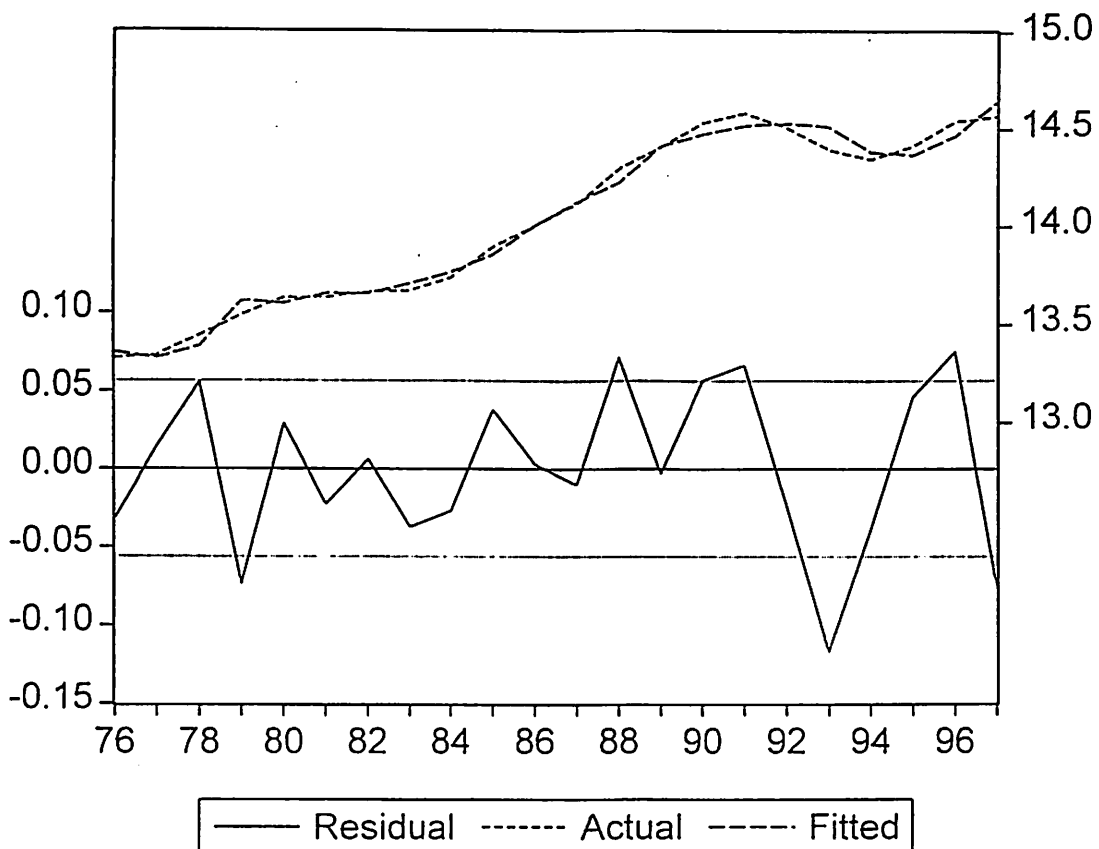
Dependent Variable: CG_N
 Method: Least Squares
 Date: 10/25/00 Time: 13:37
 Sample(adjusted): 1976 1997
 Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	36701.24	14420.87	2.545008	0.0203
GW_N	0.000847	0.000311	2.721801	0.0140
GS_N	0.003470	0.000734	4.725216	0.0002
CG_N(-1)	0.475622	0.103360	4.601588	0.0002

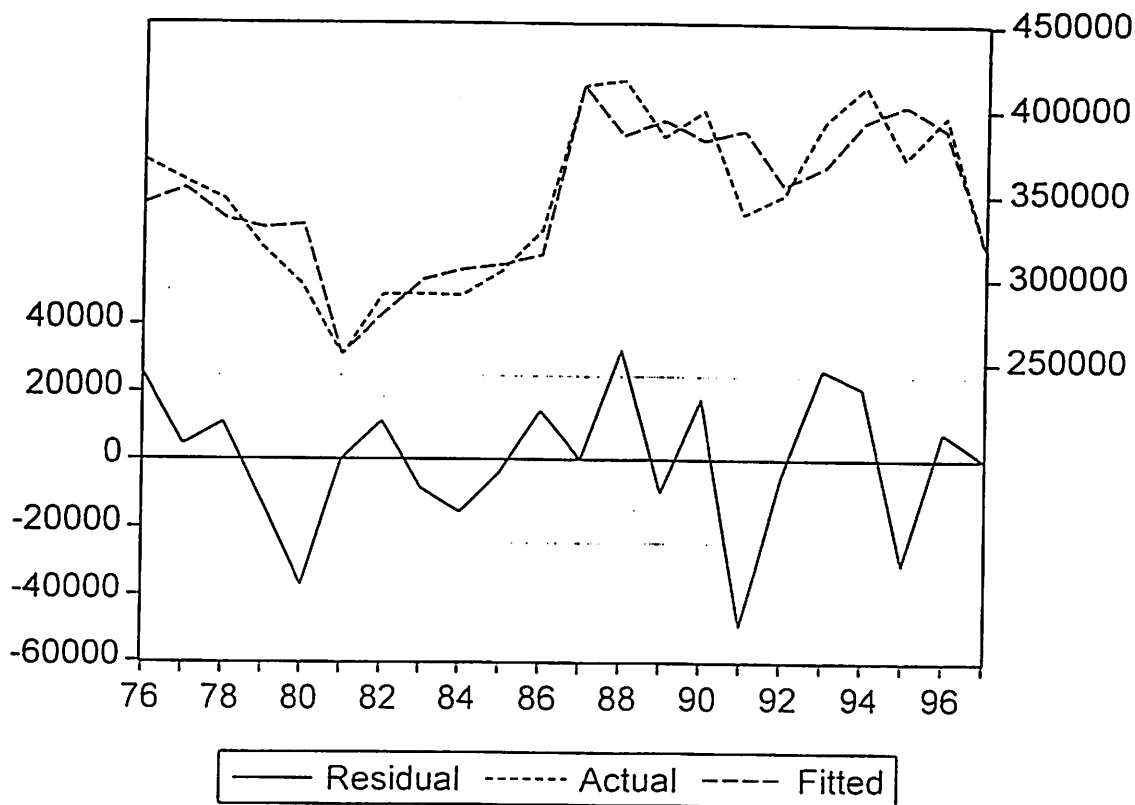
R-squared	0.998861	Mean dependent var	609053.3
Adjusted R-squared	0.998671	S.D. dependent var	202196.8
S.E. of regression	7372.315	Akaike info criterion	20.81182
Sum squared resid	9.78E+08	Schwarz criterion	21.01019
Log likelihood	-224.9300	F-statistic	5259.490
Durbin-Watson stat	1.958962	Prob(F-statistic)	0.000000



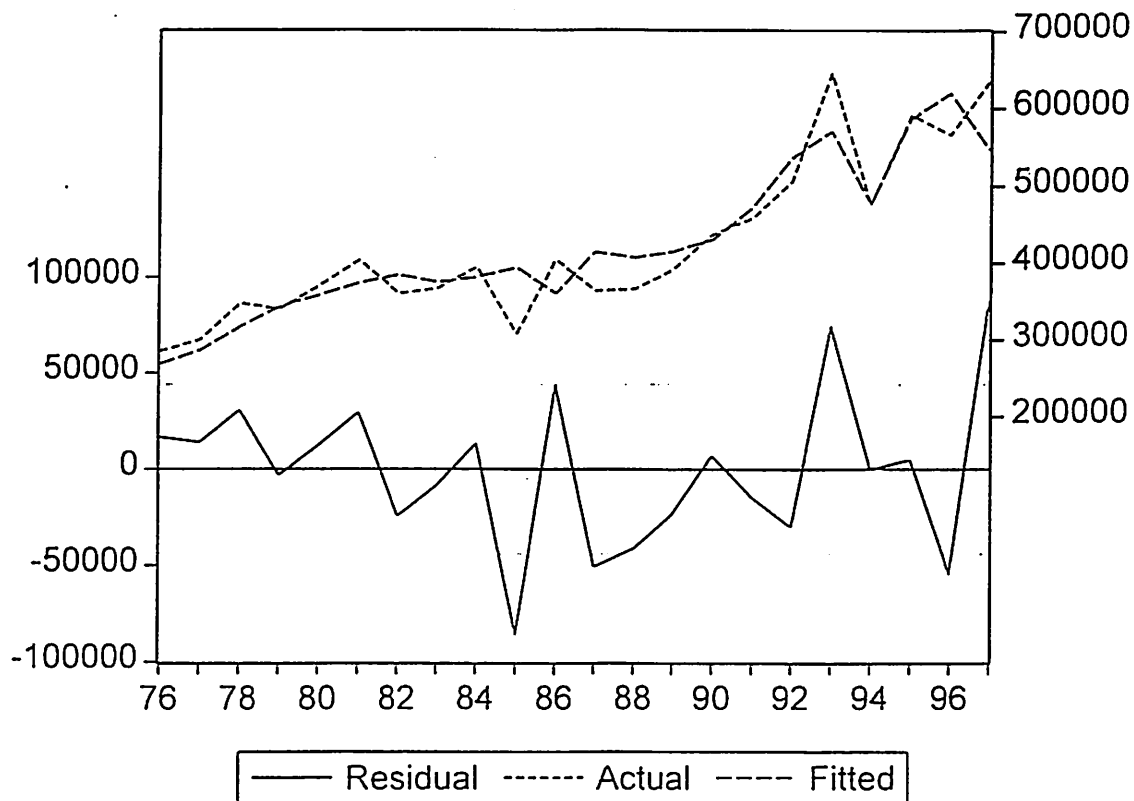
Dependent Variable: LOG(IFPR_N)				
Method: Least Squares				
Date: 10/30/00 Time: 20:43				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.246608	1.233074	-1.821957	0.0851
LOG(YC_N(-1)/PIP_N(-	0.429193	0.106775	4.019623	0.0008
LOG(IFPR_N(-1))	0.734100	0.057662	12.73099	0.0000
LOG(RRLENDJ(-1)/CPI	-0.067850	0.044815	-1.514009	0.1474
R-squared	0.986157	Mean dependent var	14.02921	
Adjusted R-squared	0.983850	S.D. dependent var	0.443209	
S.E. of regression	0.056324	Akaike info criterion	-2.752413	
Sum squared resid	0.057104	Schwarz criterion	-2.554042	
Log likelihood	34.27654	F-statistic	427.4328	
Durbin-Watson stat	1.967753	Prob(F-statistic)	0.000000	



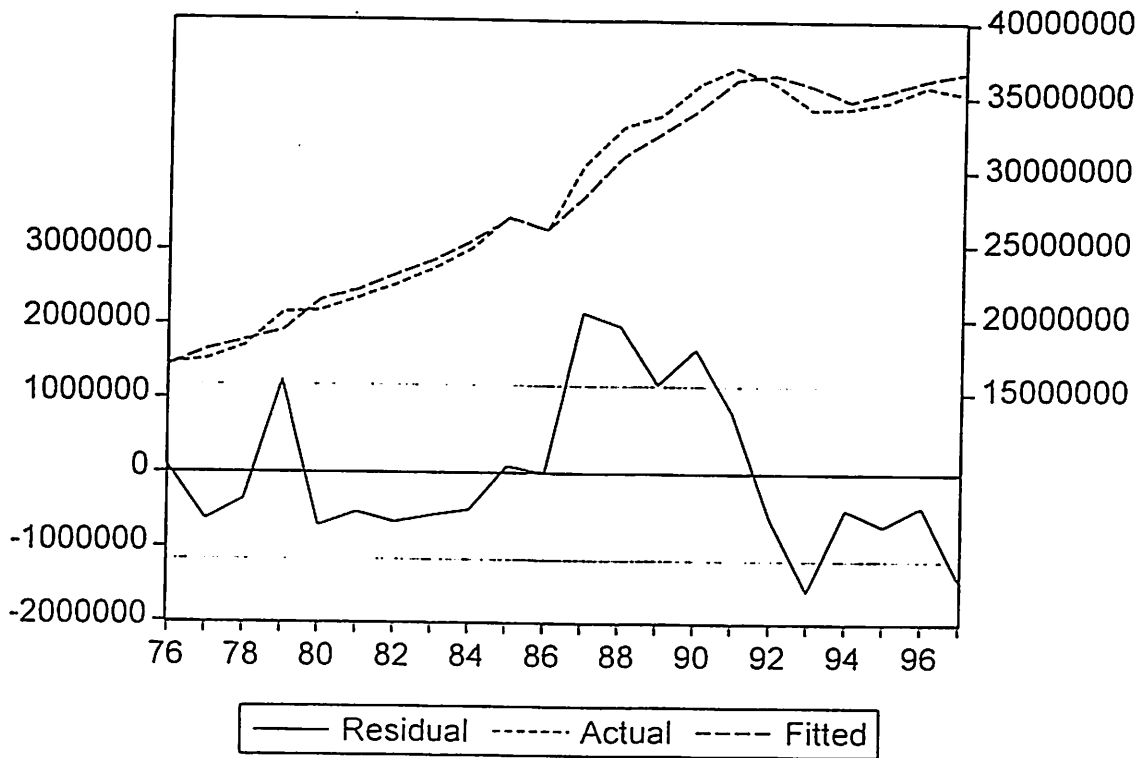
Dependent Variable: IHPR_N				
Method: Least Squares				
Date: 10/25/00 Time: 14:13				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	89824.27	46191.38	1.944611	0.0708
RRLENDJ(-1)-(CPIJ-C	-4493.262	4130.883	-1.087724	0.2939
YEW_N(-1)/PGCE_N(-	0.020023	0.010433	1.919247	0.0742
IHPR_N(-1)	0.550858	0.160800	3.425722	0.0038
D81	-47713.56	26398.94	-1.807404	0.0908
D87	83717.39	26331.32	3.179384	0.0062
D97	-92576.60	30604.63	-3.024921	0.0085
R-squared	0.813539	Mean dependent var	347494.5	
Adjusted R-squared	0.738955	S.D. dependent var	48251.60	
S.E. of regression	24652.98	Akaike info criterion	23.31655	
Sum squared resid	9.12E+09	Schwarz criterion	23.66370	
Log likelihood	-249.4821	F-statistic	10.90765	
Durbin-Watson stat	2.171000	Prob(F-statistic)	0.000095	



Dependent Variable: IG_N				
Method: Least Squares				
Date: 10/25/00 Time: 13:28				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	61706.97	51193.30	1.205372	0.2437
GCB_N	0.000946	0.000295	3.207604	0.0049
IG_N(-1)	0.459362	0.227007	2.023558	0.0581
D94	-152089.0	56978.49	-2.669236	0.0156
R-squared	0.851050	Mean dependent var	423674.0	
Adjusted R-squared	0.826225	S.D. dependent var	105477.5	
S.E. of regression	43969.75	Akaike info criterion	24.38336	
Sum squared resid	3.48E+10	Schwarz criterion	24.58173	
Log likelihood	-264.2169	F-statistic	34.28186	
Durbin-Watson stat	2.399550	Prob(F-statistic)	0.000000	



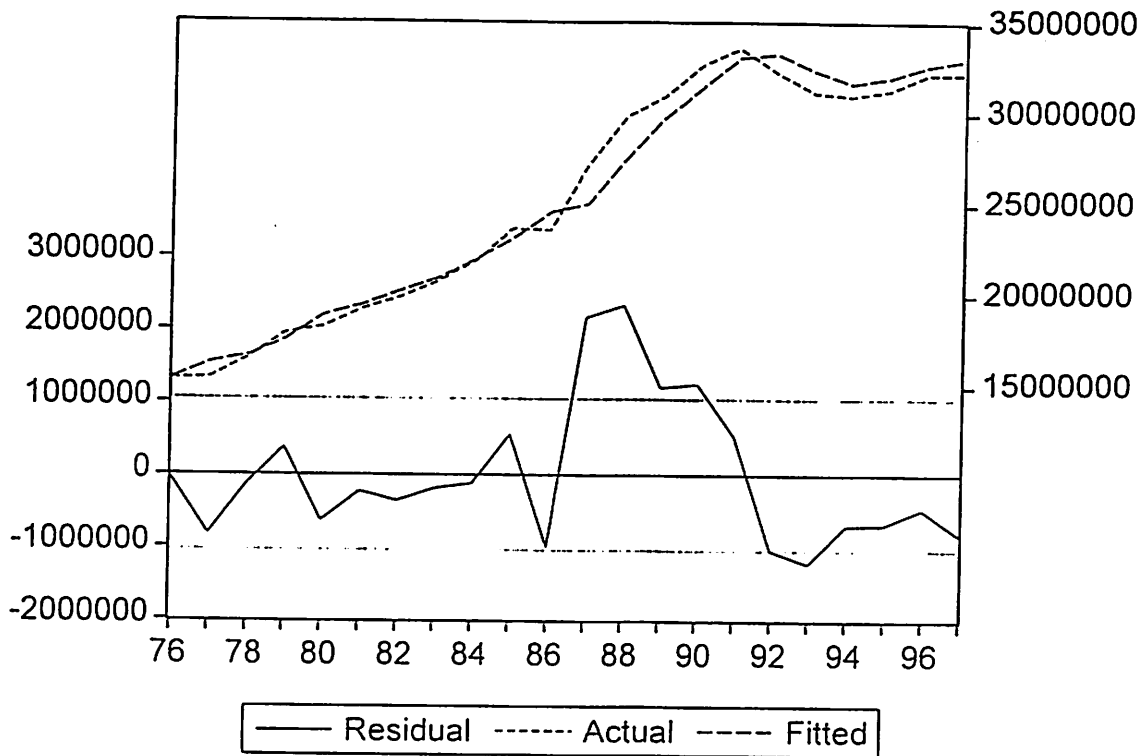
Dependent Variable: EXXR_N				
Method: Least Squares				
Date: 10/25/00 Time: 12:31				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	13195562	11412996	1.156187	0.2636
G CPR_N	1.179734	0.865602	1.362905	0.1907
PGCE_N(-1)/CPIJ(-1)	-11078583	8947035.	-1.238241	0.2325
EXXR_N(-1)	0.568754	0.240213	2.367710	0.0300
D86	-2431062.	1346486.	-1.805486	0.0887
R-squared	0.978156	Mean dependent var	28065493	
Adjusted R-squared	0.973016	S.D. dependent var	7130587.	
S.E. of regression	1171335.	Akaike info criterion	30.98190	
Sum squared resid	2.33E+13	Schwarz criterion	31.22987	
Log likelihood	-335.8009	F-statistic	190.3075	
Durbin-Watson stat	0.815210	Prob(F-statistic)	0.000000	



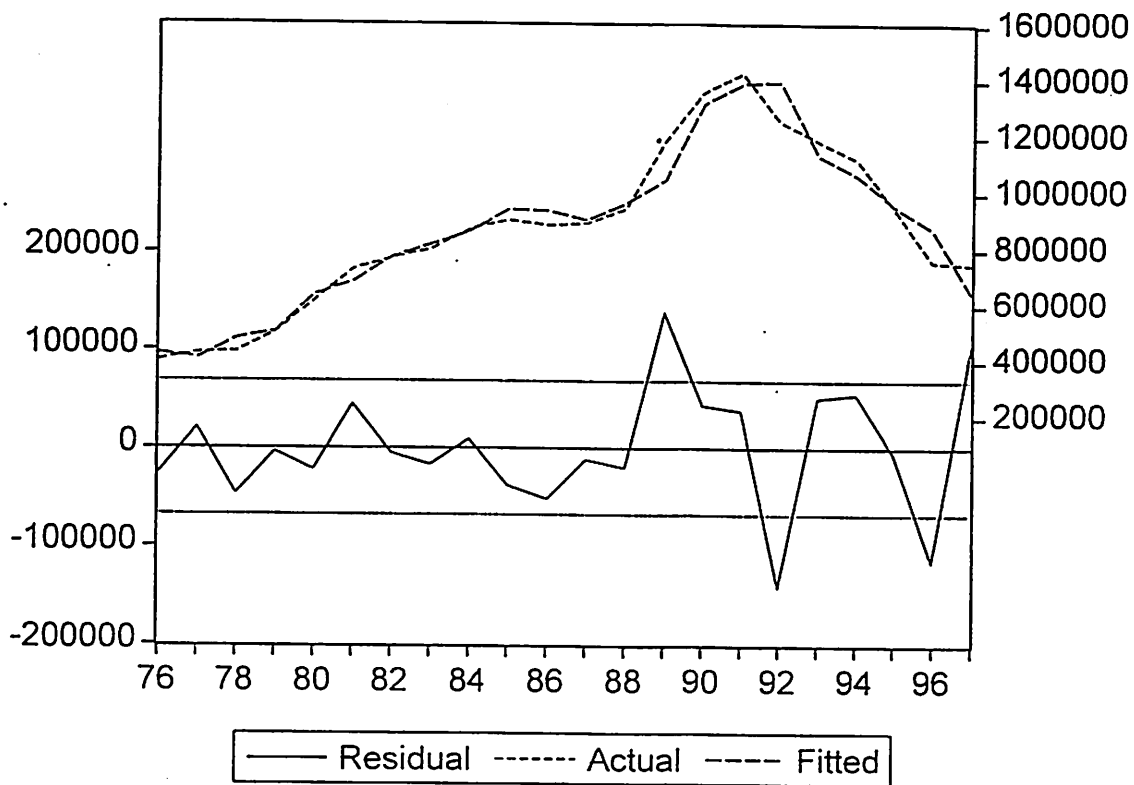
Dependent Variable: IMMR_N
 Method: Least Squares
 Date: 10/25/00 Time: 12:25
 Sample(adjusted): 1976 1997
 Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-391796.8	1613813.	-0.242777	0.8108
GCER_N	1.123311	0.674366	1.665728	0.1122
IMMR_N(-1)	0.602994	0.214593	2.809939	0.0112

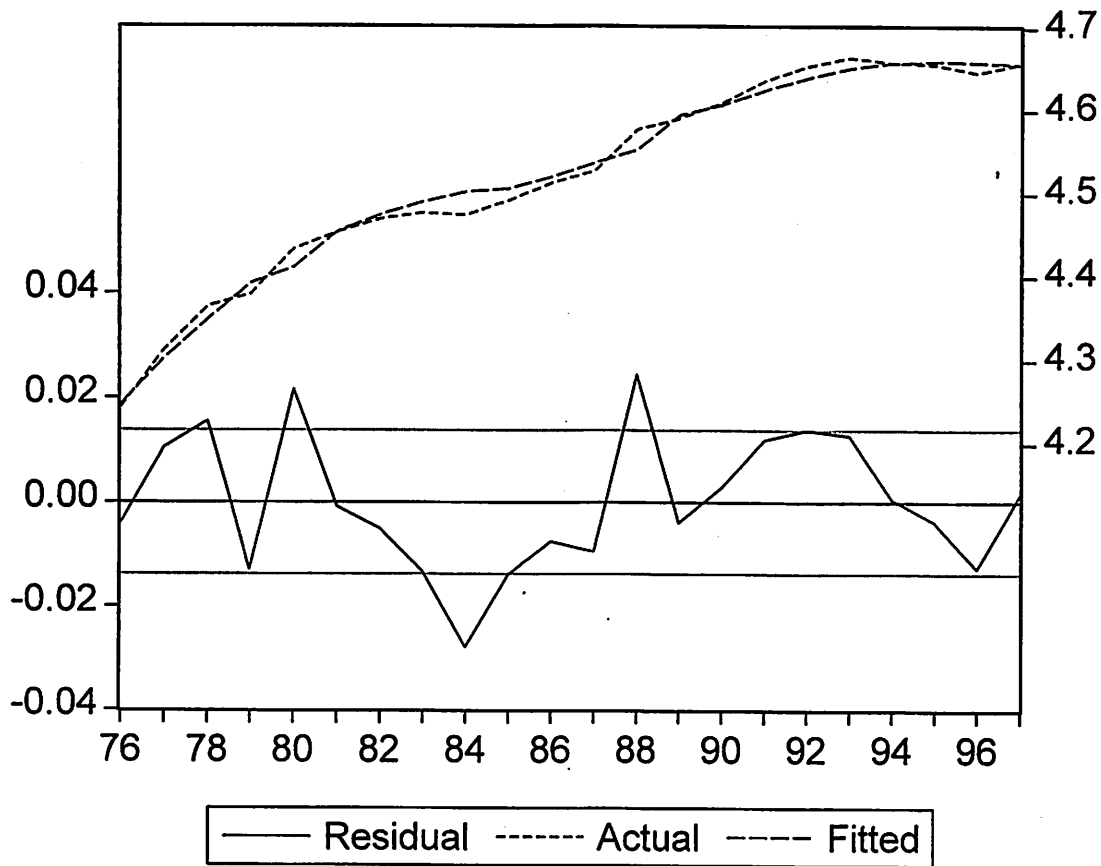
R-squared	0.977173	Mean dependent var	25338625
Adjusted R-squared	0.974770	S.D. dependent var	6576503.
S.E. of regression	1044615.	Akaike info criterion	30.68232
Sum squared resid	2.07E+13	Schwarz criterion	30.83110
Log likelihood	-334.5055	F-statistic	406.6664
Durbin-Watson stat	0.980728	Prob(F-statistic)	0.000000



Dependent Variable: YPH_N				
Method: Least Squares				
Date: 10/24/00 Time: 21:29				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-469357.4	124170.3	-3.779949	0.0014
RRLENDJ	52023.75	10246.21	5.077363	0.0001
YC_N	0.217044	0.070087	3.096788	0.0062
YPH_N(-1)	0.790429	0.078871	10.02177	0.0000
R-squared	0.954455	Mean dependent var	872984.4	
Adjusted R-squared	0.946864	S.D. dependent var	296088.7	
S.E. of regression	68252.18	Akaike info criterion	25.26277	
Sum squared resid	8.39E+10	Schwarz criterion	25.46114	
Log likelihood	-273.8905	F-statistic	125.7372	
Durbin-Watson stat	2.263251	Prob(F-statistic)	0.000000	



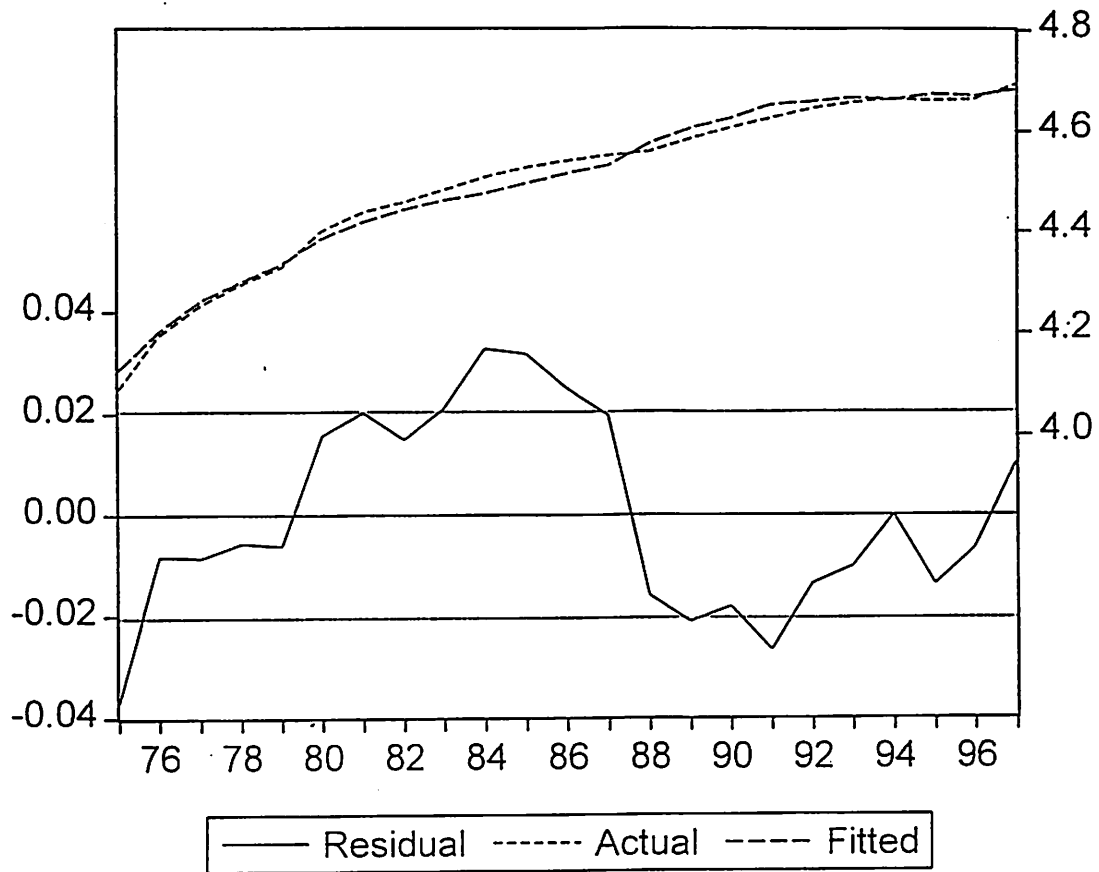
Dependent Variable: LOG(PGCE_N)				
Method: Least Squares				
Date: 11/01/00 Time: 20:00				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.385150	0.102569	42.75325	0.0000
LOG(YEW_N/EL_N)	0.166888	0.074717	2.233612	0.0377
LOG(GCE_N(-1)/GCPR	0.595909	0.126547	4.709009	0.0002
R-squared	0.988858	Mean dependent var	4.522422	
Adjusted R-squared	0.987686	S.D. dependent var	0.124256	
S.E. of regression	0.013789	Akaike info criterion	-5.603810	
Sum squared resid	0.003612	Schwarz criterion	-5.455031	
Log likelihood	64.64191	F-statistic	843.1674	
Durbin-Watson stat	1.609619	Prob(F-statistic)	0.000000	



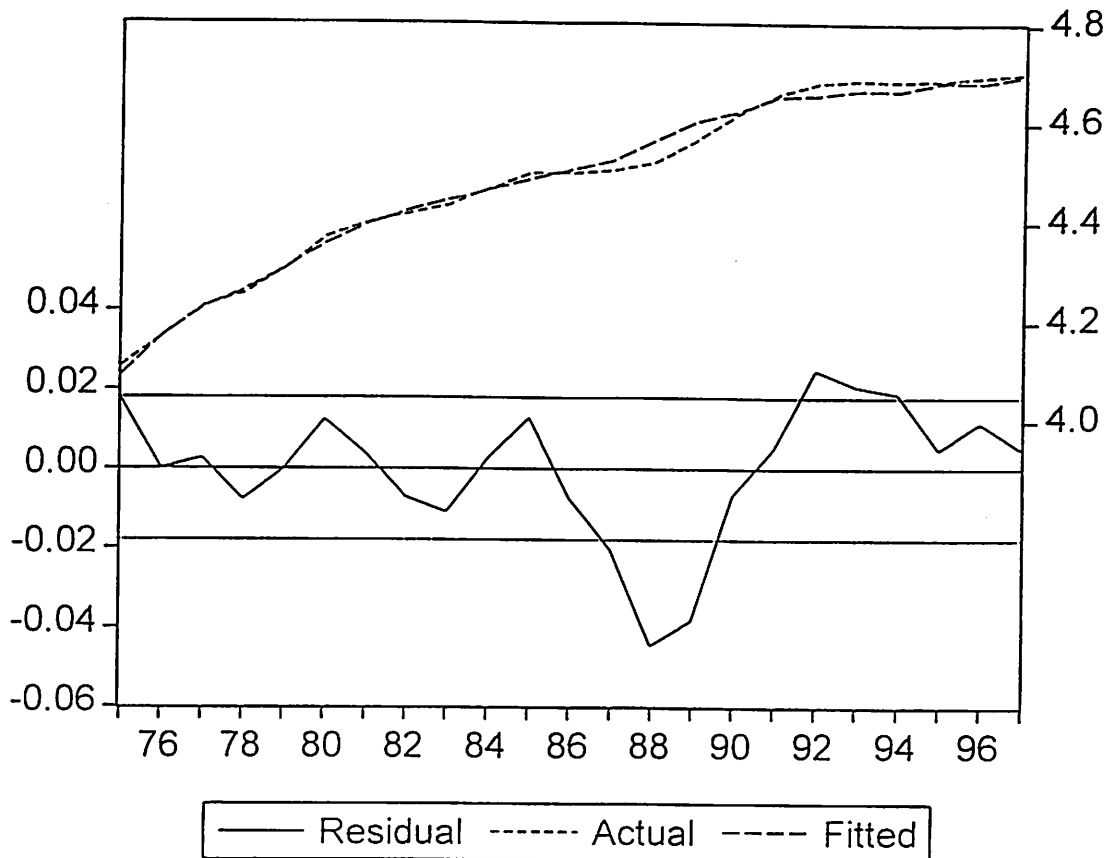
Dependent Variable: LOG(PCP_N)
Method: Least Squares
Date: 10/31/00 Time: 07:12
Sample: 1975 1997
Included observations: 23

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.767953	0.796047	2.220914	0.0381
LOG(PGCE_N)	0.512773	0.204975	2.501640	0.0212
LOG(YEW_N/EL_N)	0.356952	0.110550	3.228863	0.0042

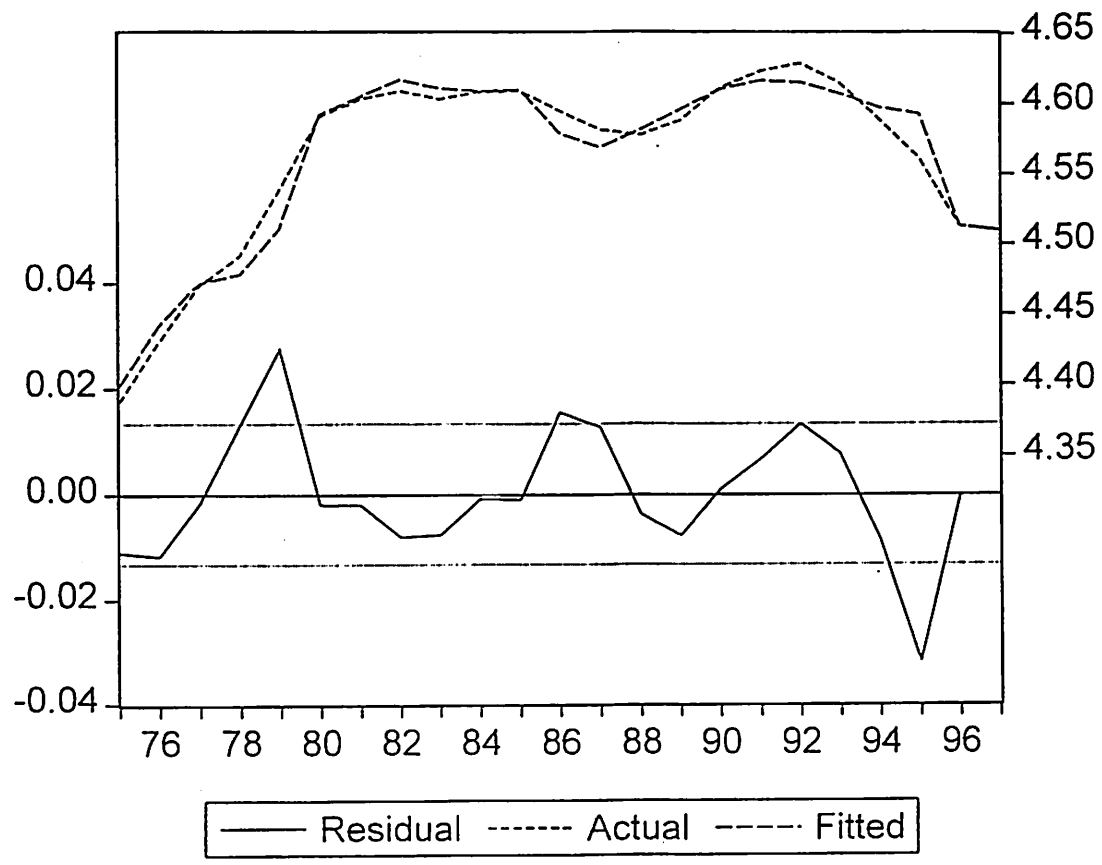
R-squared	0.986329	Mean dependent var	4.497372
Adjusted R-squared	0.984962	S.D. dependent var	0.167117
S.E. of regression	0.020494	Akaike info criterion	-4.816309
Sum squared resid	0.008400	Schwarz criterion	-4.668201
Log likelihood	58.38755	F-statistic	721.4749
Durbin-Watson stat	0.455246	Prob(F-statistic)	0.000000



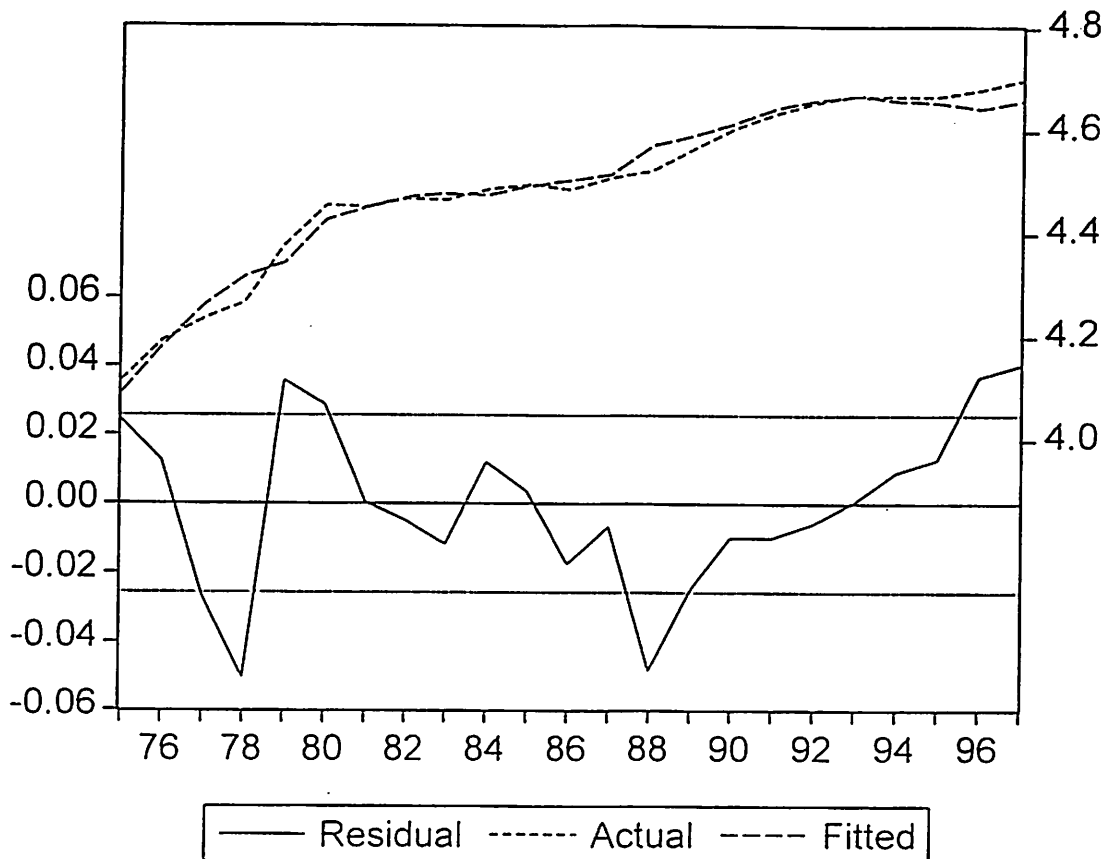
Dependent Variable: LOG(PCG_N)				
Method: Least Squares				
Date: 10/25/00 Time: 17:31				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.313194	0.703756	3.286929	0.0037
LOG(PGCE_N)	0.320971	0.187349	1.713220	0.1021
LOG(YW_N/EL_N)	0.500808	0.098212	5.099234	0.0001
R-squared	0.991059	Mean dependent var	4.486340	
Adjusted R-squared	0.990165	S.D. dependent var	0.181303	
S.E. of regression	0.017980	Akaike info criterion	-5.077972	
Sum squared resid	0.006466	Schwarz criterion	-4.929864	
Log likelihood	61.39667	F-statistic	1108.425	
Durbin-Watson stat	0.646654	Prob(F-statistic)	0.000000	



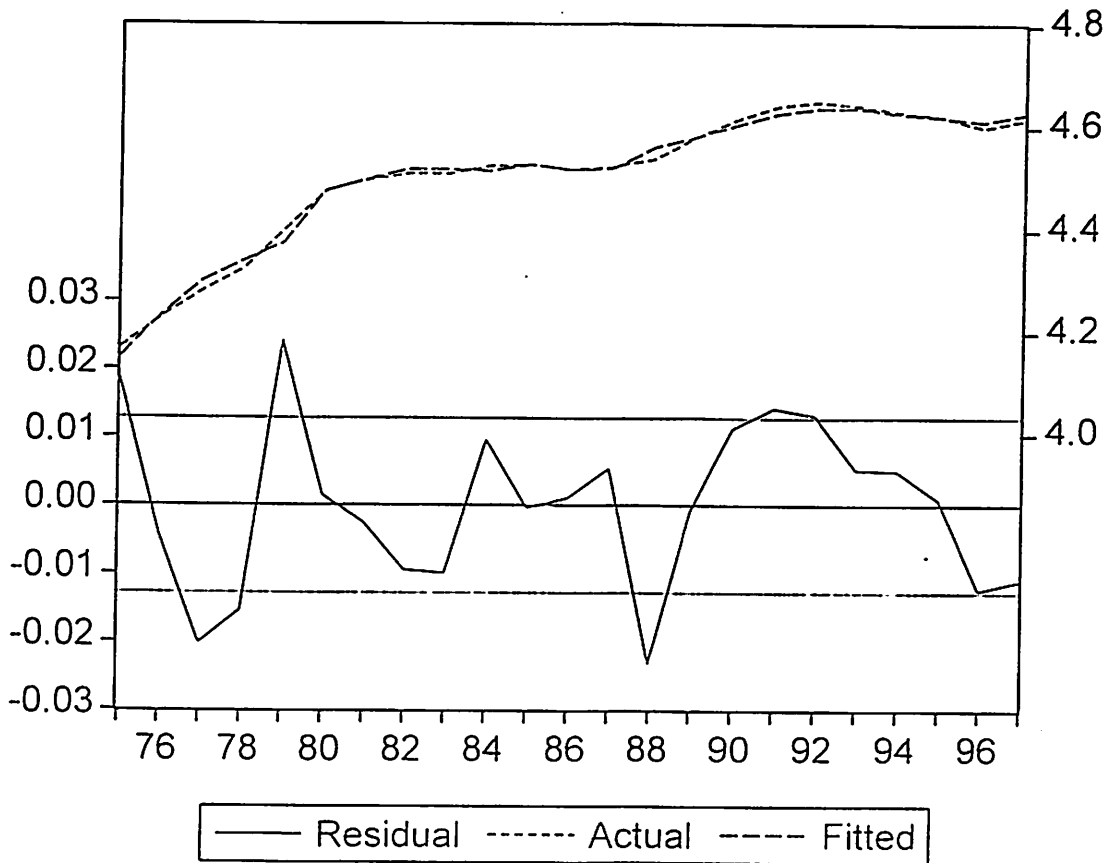
Dependent Variable: LOG(PIFP_N)				
Method: Least Squares				
Date: 10/30/00 Time: 22:39				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.270749	0.161982	7.845017	0.0000
LOG(PGCE_N)	0.325552	0.021860	14.89286	0.0000
LOG(WPIJ)	0.392278	0.033349	11.76277	0.0000
D96	-0.077240	0.014344	-5.384742	0.0000
D97	-0.090087	0.014313	-6.294255	0.0000
R-squared	0.965997	Mean dependent var	4.562547	
Adjusted R-squared	0.958441	S.D. dependent var	0.065267	
S.E. of regression	0.013305	Akaike info criterion	-5.611660	
Sum squared resid	0.003187	Schwarz criterion	-5.364813	
Log likelihood	69.53409	F-statistic	127.8427	
Durbin-Watson stat	1.276347	Prob(F-statistic)	0.000000	



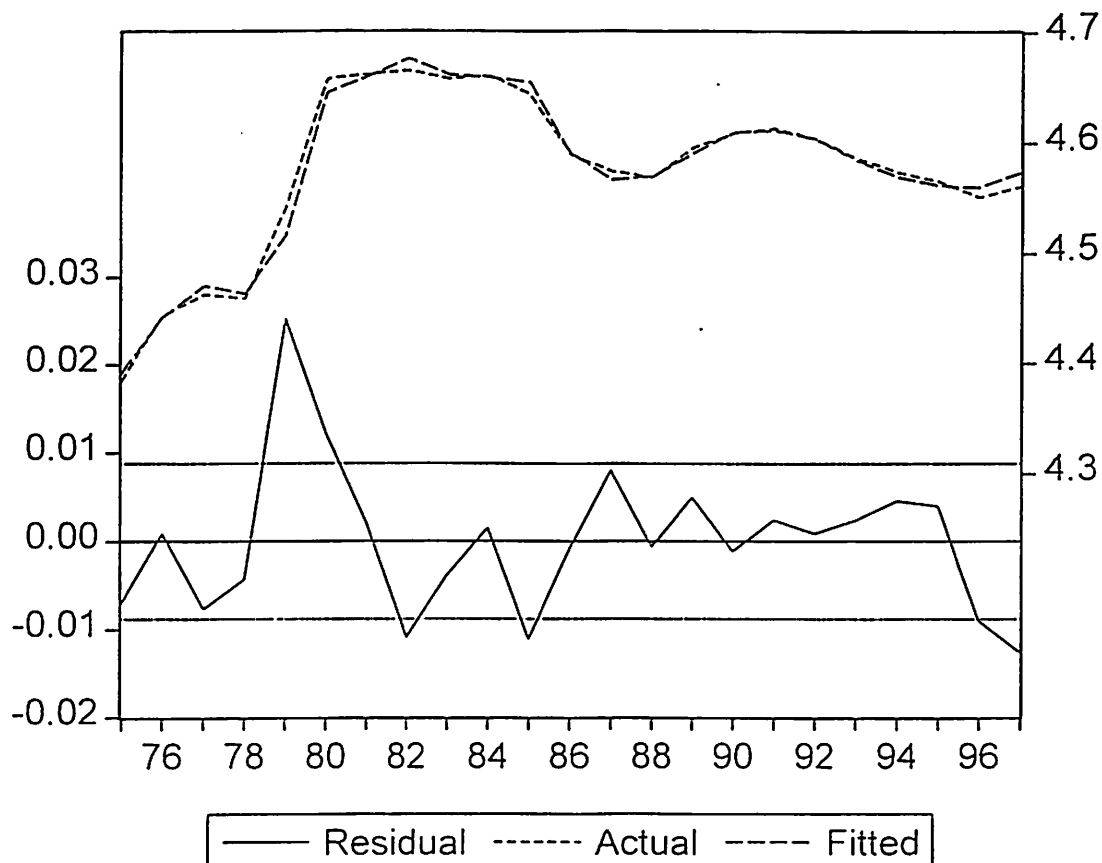
Dependent Variable: LOG(PIHP_N)				
Method: Least Squares				
Date: 10/25/00 Time: 19:04				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.246709	0.312453	-3.990069	0.0007
LOG(PGCE_N)	1.135344	0.039239	28.93442	0.0000
LOG(WPIJ)	0.133678	0.061996	2.156230	0.0434
R-squared	0.978000	Mean dependent var	4.494704	
Adjusted R-squared	0.975800	S.D. dependent var	0.165175	
S.E. of regression	0.025695	Akaike info criterion	-4.363904	
Sum squared resid	0.013205	Schwarz criterion	-4.215797	
Log likelihood	53.18490	F-statistic	444.5400	
Durbin-Watson stat	1.139620	Prob(F-statistic)	0.000000	



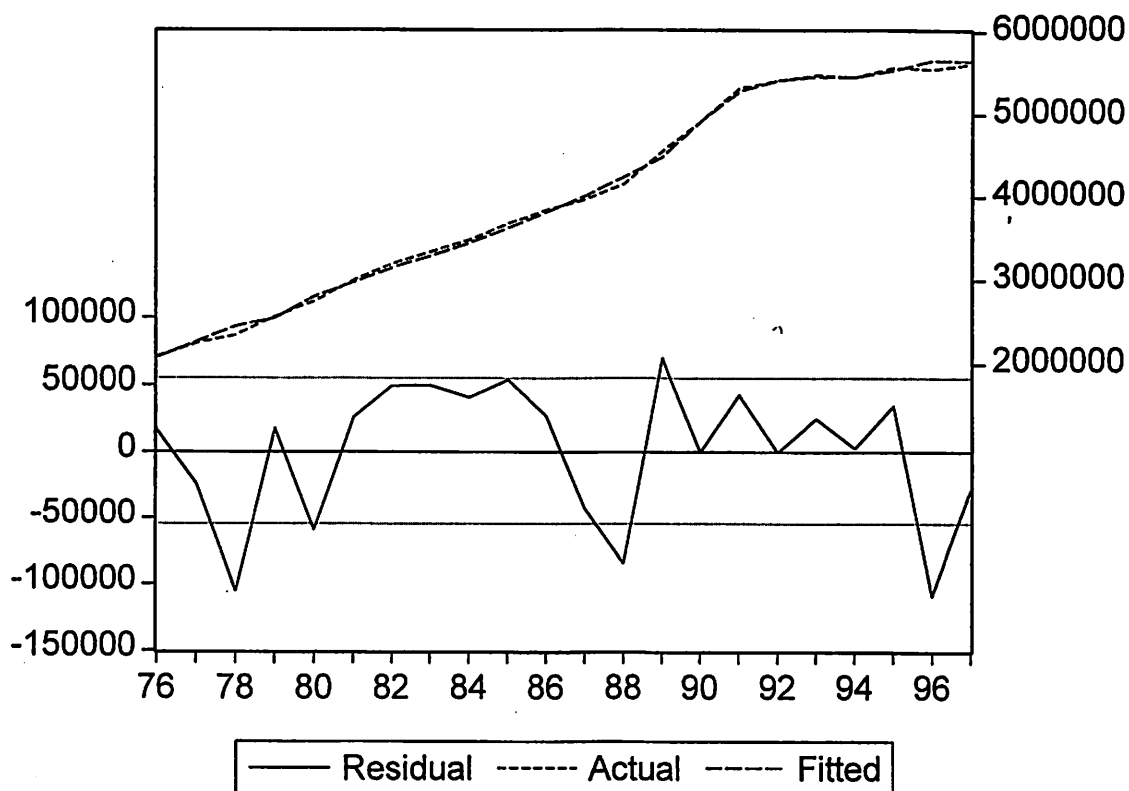
Dependent Variable: LOG(PIG_N)				
Method: Least Squares				
Date: 10/25/00 Time: 19:13				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.037638	0.155796	-6.660221	0.0000
LOG(PGCE_N)	0.909239	0.019565	46.47216	0.0000
LOG(WPIJ)	0.309545	0.030913	10.01354	0.0000
R-squared	0.992037	Mean dependent var	4.505895	
Adjusted R-squared	0.991240	S.D. dependent var	0.136894	
S.E. of regression	0.012812	Akaike info criterion	-5.755713	
Sum squared resid	0.003283	Schwarz criterion	-5.607605	
Log likelihood	69.19069	F-statistic	1245.751	
Durbin-Watson stat	1.576055	Prob(F-statistic)	0.000000	



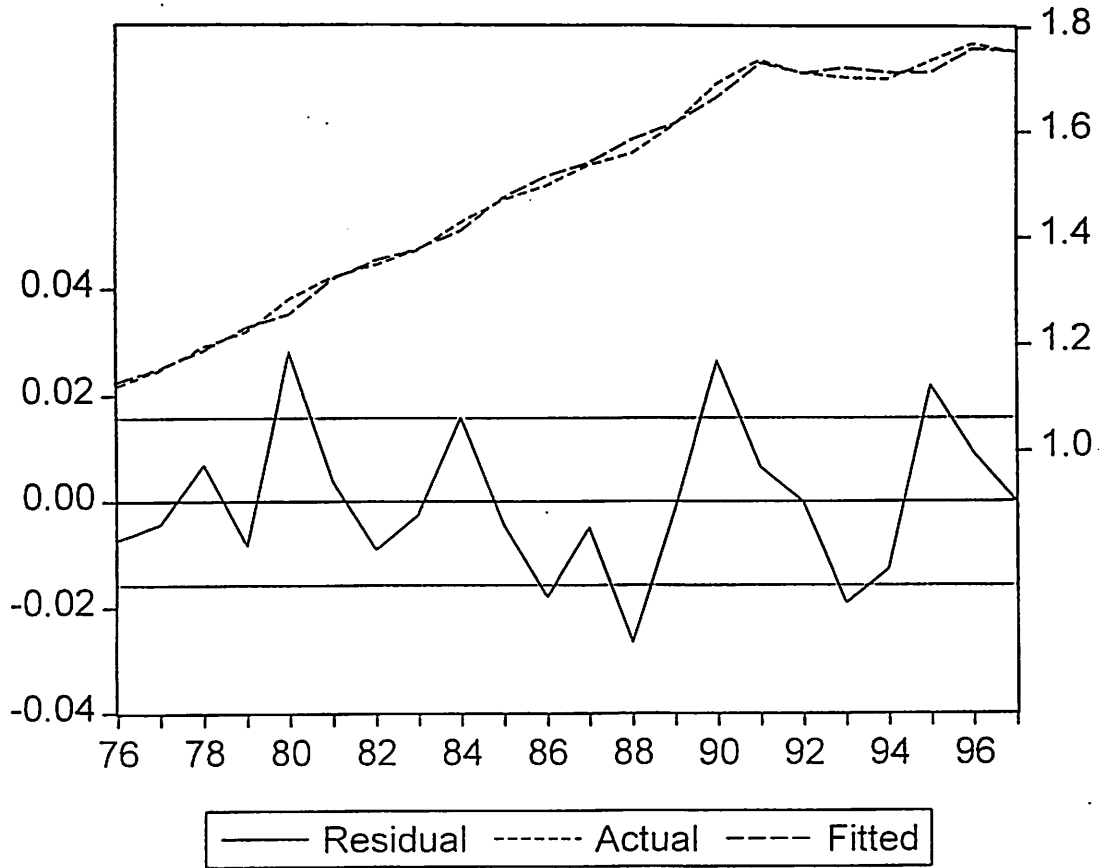
Dependent Variable: LOG(PEXX_N)				
Method: Least Squares				
Date: 10/25/00 Time: 19:20				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.258567	0.107463	2.406090	0.0259
LOG(PGCE_N)	0.216298	0.013495	16.02747	0.0000
LOG(WPIJ)	0.715792	0.021323	33.56968	0.0000
R-squared	0.987765	Mean dependent var	4.575863	
Adjusted R-squared	0.986541	S.D. dependent var	0.076178	
S.E. of regression	0.008838	Akaike info criterion	-6.498512	
Sum squared resid	0.001562	Schwarz criterion	-6.350404	
Log likelihood	77.73288	F-statistic	807.3137	
Durbin-Watson stat	1.435690	Prob(F-statistic)	0.000000	



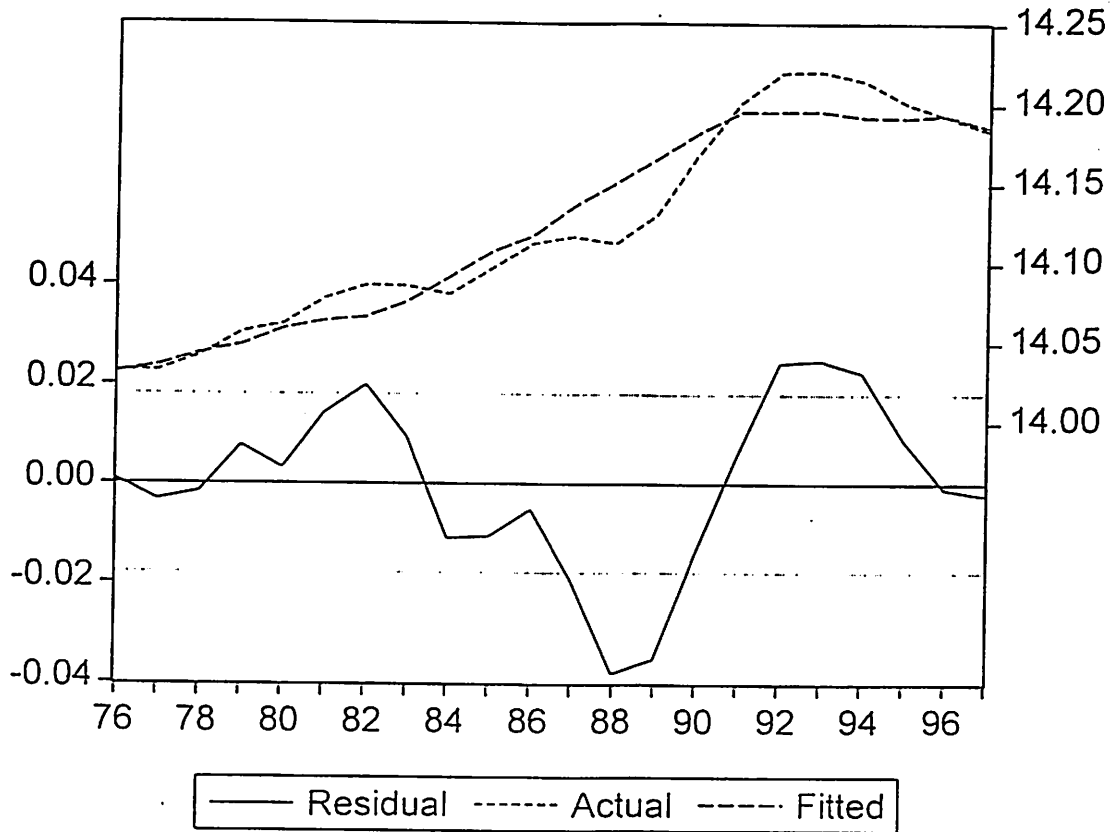
Dependent Variable: YEW_N				
Method: Least Squares				
Date: 11/01/00 Time: 19:16				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	235813.6	38359.76	6.147420	0.0000
GCPR_N*PGCE_N/10	0.244139	0.030382	8.035682	0.0000
YEW_N(-1)	0.396260	0.072744	5.447319	0.0000
R-squared	0.998234	Mean dependent var	4022760.	
Adjusted R-squared	0.998048	S.D. dependent var	1239261.	
S.E. of regression	54746.39	Akaike info criterion	24.78493	
Sum squared resid	5.69E+10	Schwarz criterion	24.93371	
Log likelihood	-269.6343	F-statistic	5370.769	
Durbin-Watson stat	1.871036	Prob(F-statistic)	0.000000	



Dependent Variable: LOG(GCPR_N/NN_N)				
Method: Least Squares				
Date: 10/31/00 Time: 09:23				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.406829	0.132202	-3.077317	0.0068
LOG(E_N(-1)/NN_N(-1))	-0.599038	0.169807	-3.527753	0.0026
LOG(GCPR_N(-1)/NN_N(-1))	1.116626	0.040128	27.82694	0.0000
D92	-0.050706	0.017109	-2.963695	0.0087
D97	-0.047359	0.017201	-2.753174	0.0136
R-squared	0.995661	Mean dependent var	1.497775	
Adjusted R-squared	0.994640	S.D. dependent var	0.216697	
S.E. of regression	0.015865	Akaike info criterion	-5.252633	
Sum squared resid	0.004279	Schwarz criterion	-5.004669	
Log likelihood	62.77897	F-statistic	975.1574	
Durbin-Watson stat	1.831913	Prob(F-statistic)	0.000000	



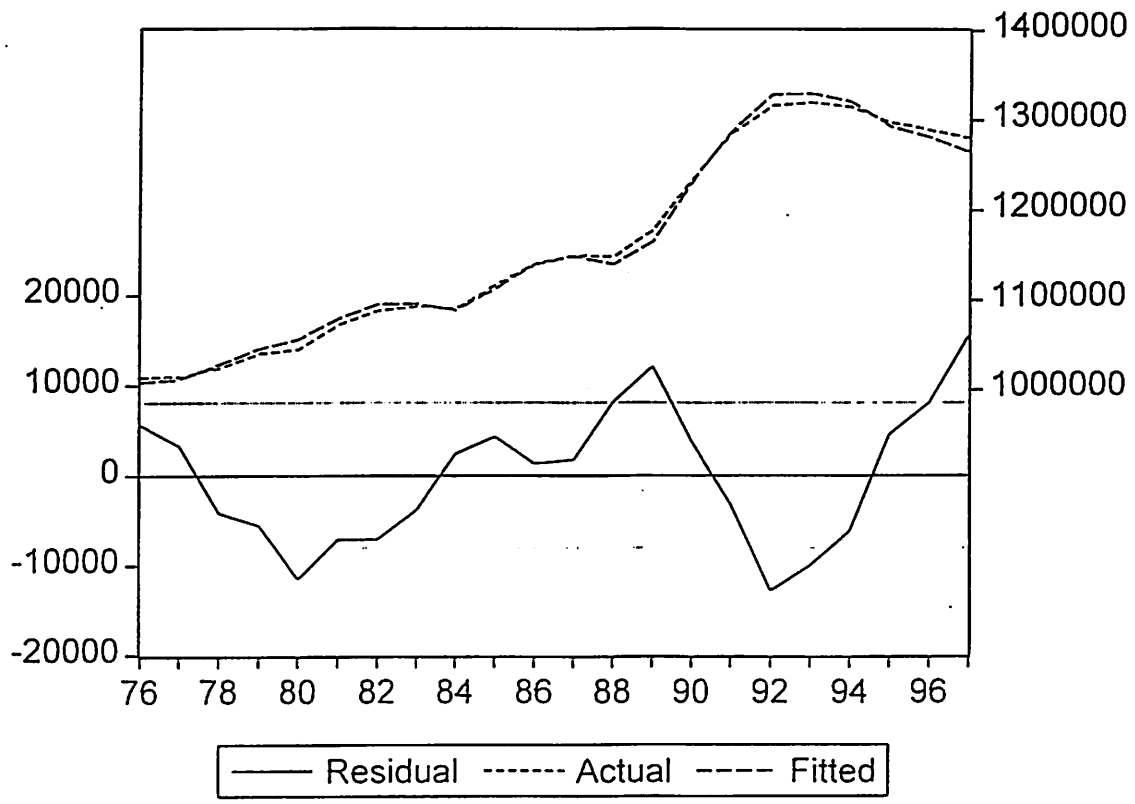
Dependent Variable: LOG(E_N)				
Method: Least Squares				
Date: 10/27/00 Time: 13:02				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.156800	5.341423	-0.403787	0.6909
LOG(GCPR_N)	0.142850	0.058735	2.432097	0.0251
LOG(N1564_N(-1))	0.983197	0.438522	2.242069	0.0371
R-squared	0.930862	Mean dependent var	14.12405	
Adjusted R-squared	0.923585	S.D. dependent var	0.065026	
S.E. of regression	0.017975	Akaike info criterion	-5.073518	
Sum squared resid	0.006139	Schwarz criterion	-4.924740	
Log likelihood	58.80870	F-statistic	127.9067	
Durbin-Watson stat	0.468697	Prob(F-statistic)	0.000000	



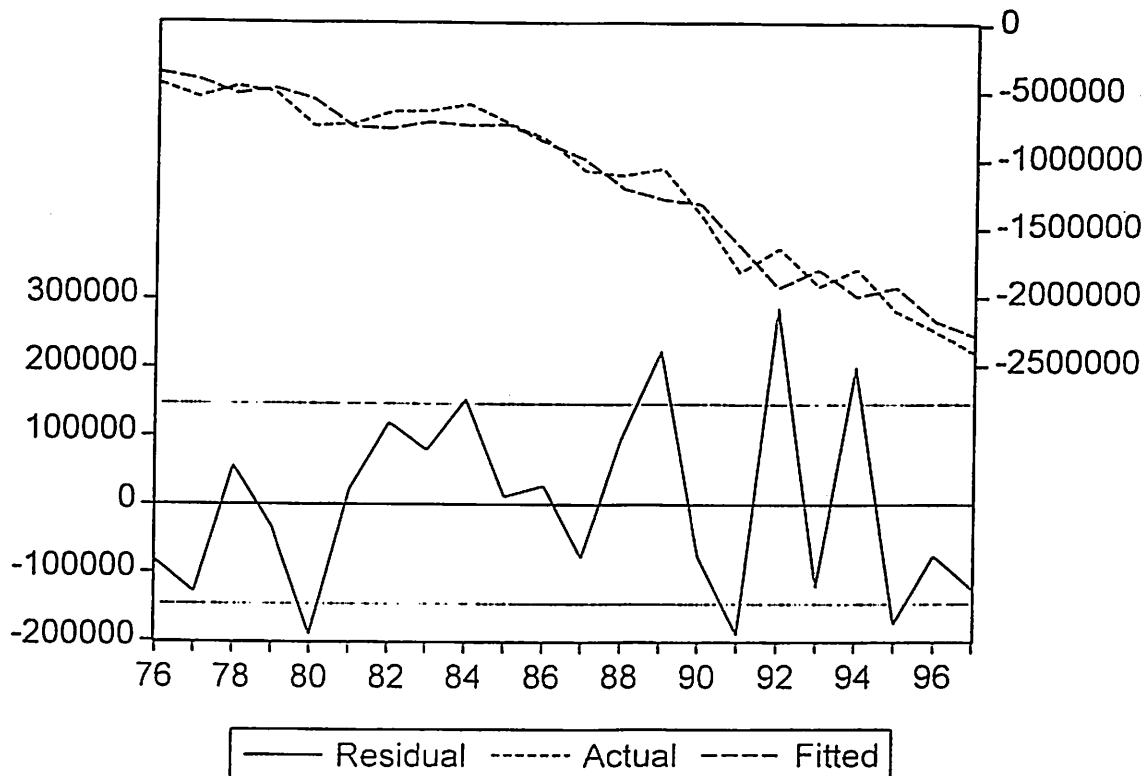
Dependent Variable: EL_N
Method: Least Squares
Date: 10/27/00 Time: 12:57
Sample(adjusted): 1976 1997
Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-489178.4	37081.94	-13.19182	0.0000
E_N	1.213913	0.025448	47.70114	0.0000
(YEW_N-YEW_N(-1))/	-102956.1	69140.39	-1.489088	0.1529

R-squared	0.995207	Mean dependent var	1161605.
Adjusted R-squared	0.994702	S.D. dependent var	110739.9
S.E. of regression	8060.234	Akaike info criterion	20.95340
Sum squared resid	1.23E+09	Schwarz criterion	21.10217
Log likelihood	-227.4874	F-statistic	1972.493
Durbin-Watson stat	0.529250	Prob(F-statistic)	0.000000



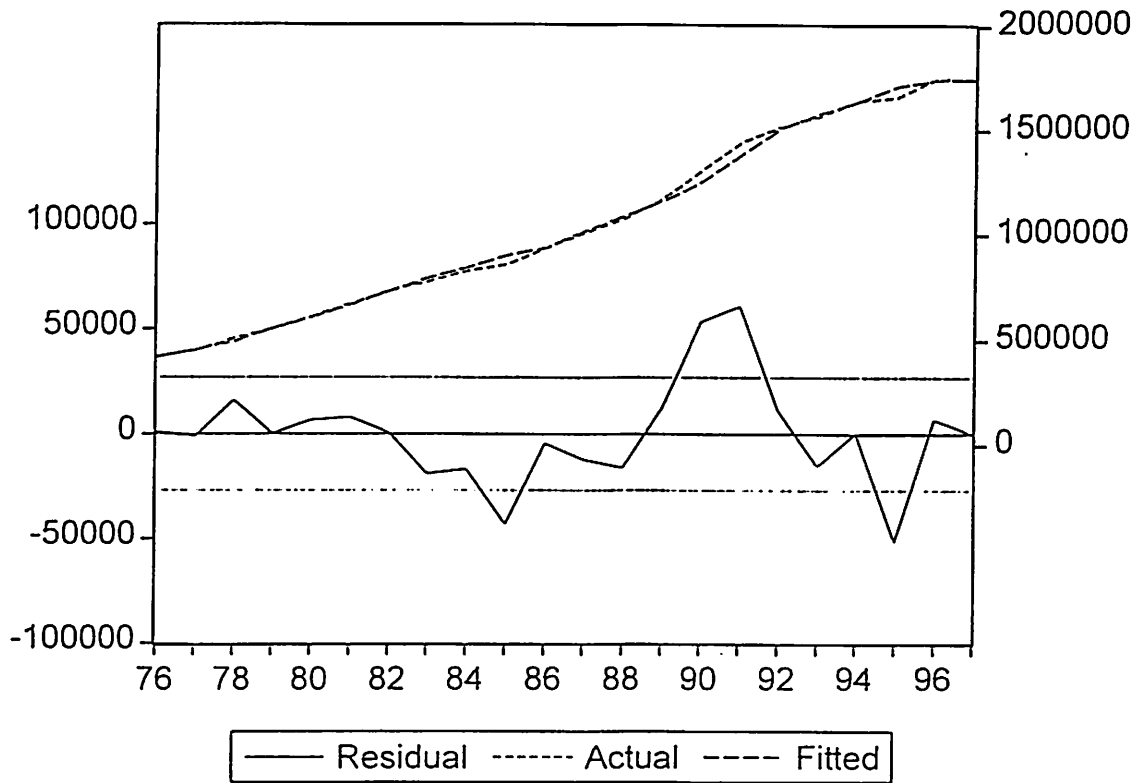
Dependent Variable: YNIN_N				
Method: Least Squares				
Date: 10/26/00 Time: 21:52				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	239387.5	132062.9	1.812678	0.0857
YNIN_N(-1)	0.732366	0.136663	5.358935	0.0000
GCE_N	-0.066405	0.026862	-2.472104	0.0231
R-squared	0.952762	Mean dependent var	-1154698.	
Adjusted R-squared	0.947790	S.D. dependent var	641270.3	
S.E. of regression	146527.1	Akaike info criterion	26.75393	
Sum squared resid	4.08E+11	Schwarz criterion	26.90271	
Log likelihood	-291.2933	F-statistic	191.6108	
Durbin-Watson stat	2.373644	Prob(F-statistic)	0.000000	



Dependent Variable: DEPR_N
Method: Least Squares
Date: 10/26/00 Time: 22:14
Sample(adjusted): 1976 1997
Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	77229.27	23321.35	3.311526	0.0039
DEPR_N(-1)	0.830239	0.091304	9.093104	0.0000
@TREND	13651.04	6237.280	2.188621	0.0421
D97	-85064.29	29910.69	-2.843943	0.0108

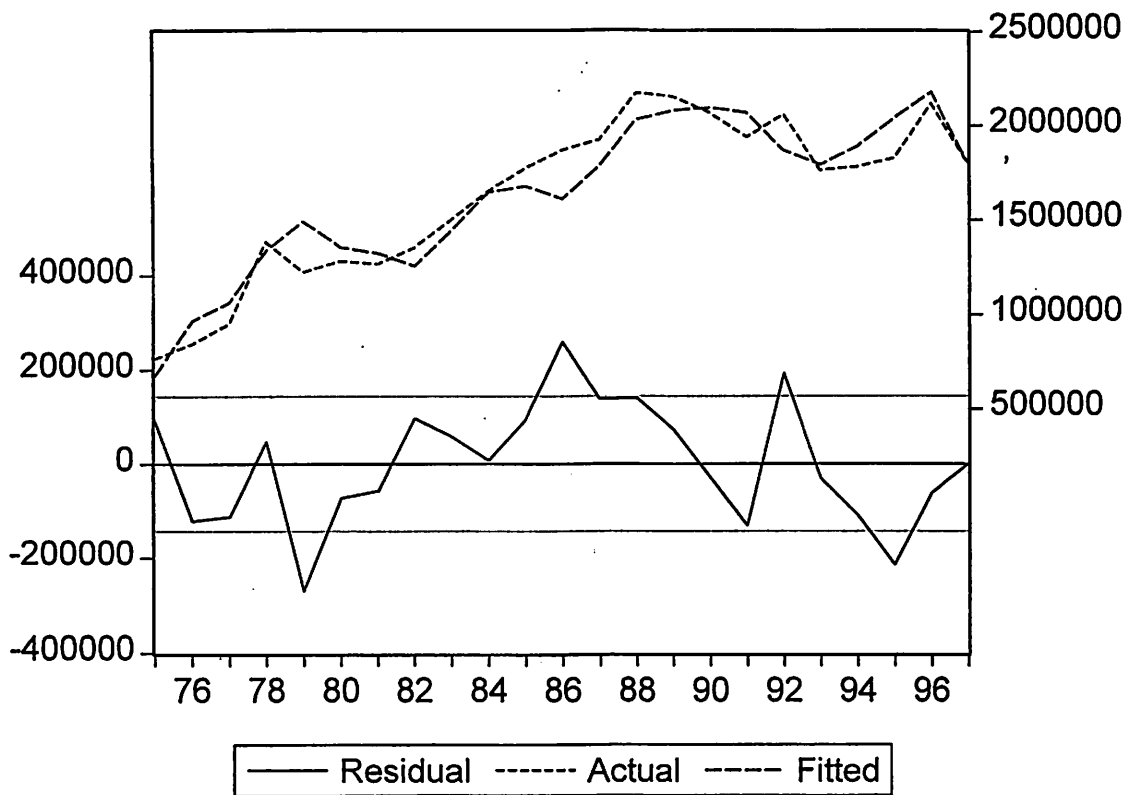
R-squared	0.996960	Mean dependent var	1057106.
Adjusted R-squared	0.996453	S.D. dependent var	452852.0
S.E. of regression	26968.73	Akaike info criterion	23.40571
Sum squared resid	1.31E+10	Schwarz criterion	23.60408
Log likelihood	-253.4628	F-statistic	1967.739
Durbin-Watson stat	1.185957	Prob(F-statistic)	0.000000



Dependent Variable: YC_N
 Method: Least Squares
 Date: 11/01/00 Time: 19:19
 Sample: 1975 1997
 Included observations: 23

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2328794.	609081.4	-3.823453	0.0012
GCE_N	0.090323	0.015138	5.966736	0.0000
RRLENDJ	-72782.88	28987.53	-2.510835	0.0218
ORJ	34228.41	6211.300	5.510667	0.0000
D97	-398875.6	163242.3	-2.443458	0.0251

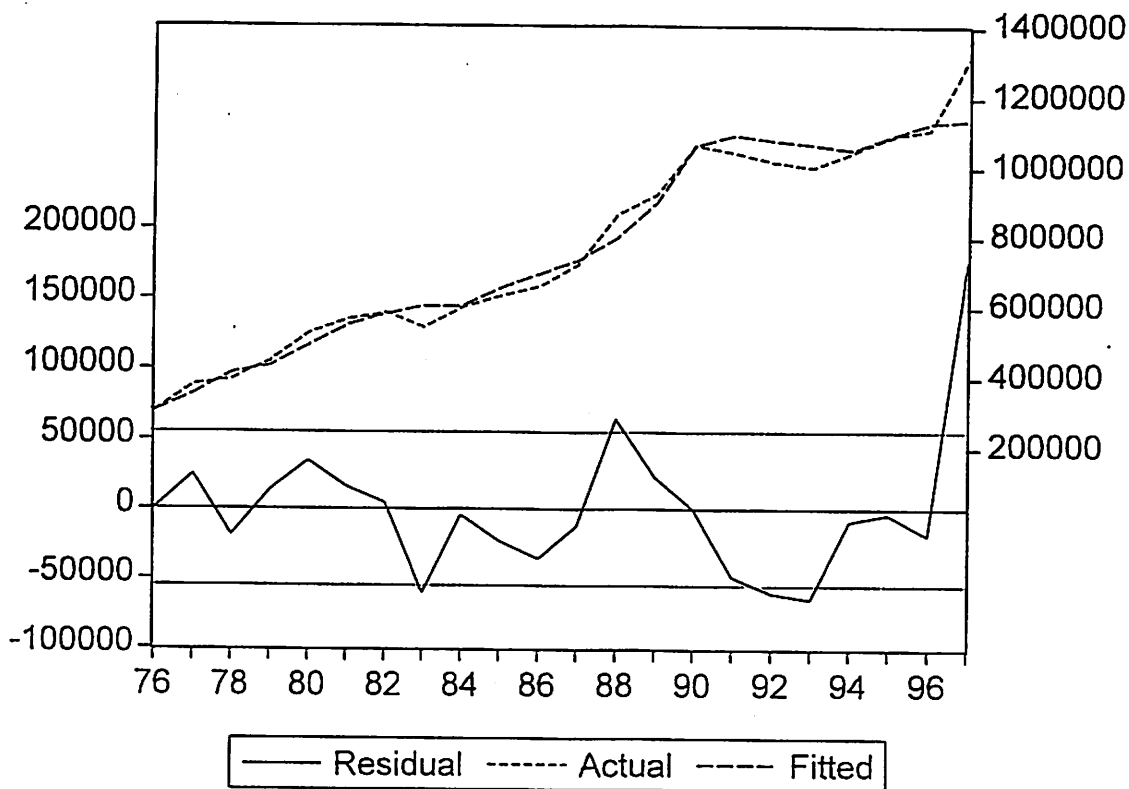
R-squared	0.906220	Mean dependent var	1631152.
Adjusted R-squared	0.885380	S.D. dependent var	423823.8
S.E. of regression	143488.2	Akaike info criterion	26.77555
Sum squared resid	3.71E+11	Schwarz criterion	27.02240
Log likelihood	-302.9189	F-statistic	43.48448
Durbin-Watson stat	1.384721	Prob(F-statistic)	0.000000



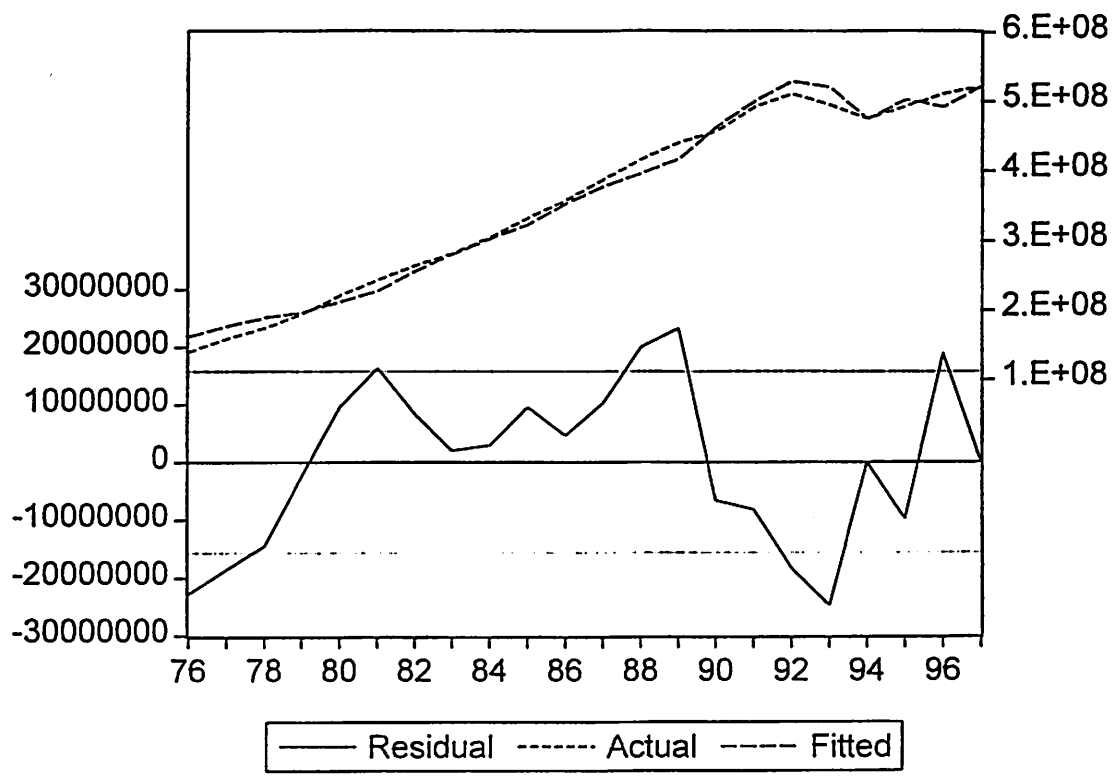
Dependent Variable: TNIND_N
Method: Least Squares
Date: 11/01/00 Time: 10:23
Sample(adjusted): 1976 1997
Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-30221.69	66918.80	-0.451617	0.6569
TNIND_N(-1)	0.472322	0.384429	1.228634	0.2350
GCE_N	0.048995	0.035966	1.362251	0.1899
D90	82061.43	58562.53	1.401262	0.1781

R-squared	0.968800	Mean dependent var	765870.0
Adjusted R-squared	0.963600	S.D. dependent var	289385.9
S.E. of regression	55210.99	Akaike info criterion	24.83868
Sum squared resid	5.49E+10	Schwarz criterion	25.03705
Log likelihood	-269.2255	F-statistic	186.3099
Durbin-Watson stat	1.188501	Prob(F-statistic)	0.000000



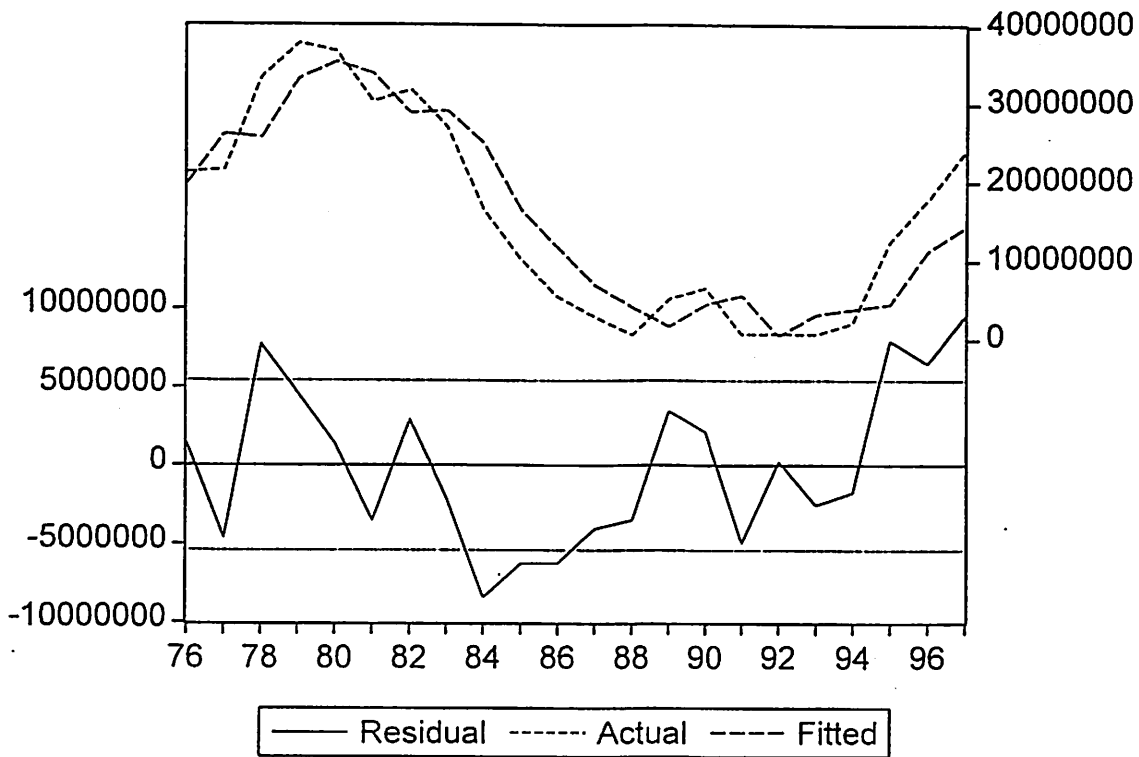
Dependent Variable: TL_N				
Method: Least Squares				
Date: 10/31/00 Time: 20:34				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.33E+09	3.29E+08	-4.045725	0.0008
YEW_N(-1)+YPH_N(-1)	57.38822	7.300828	7.860510	0.0000
N1564_N	938.2201	238.7410	3.929866	0.0011
D94	-37299277	17177398	-2.171416	0.0443
D97	50198334	17590320	2.853748	0.0110
R-squared	0.988346	Mean dependent var	3.58E+08	
Adjusted R-squared	0.985604	S.D. dependent var	1.31E+08	
S.E. of regression	15706119	Akaike info criterion	36.17372	
Sum squared resid	4.19E+15	Schwarz criterion	36.42168	
Log likelihood	-392.9109	F-statistic	360.4224	
Durbin-Watson stat	0.863612	Prob(F-statistic)	0.000000	



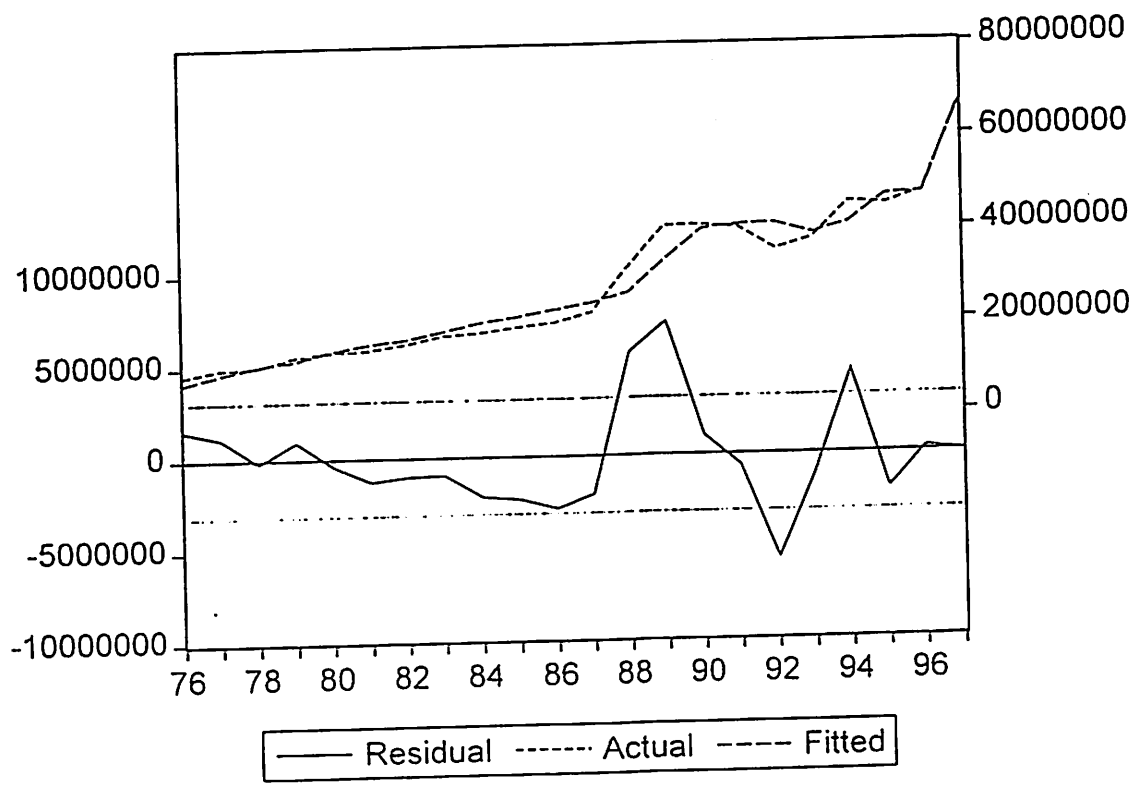
Dependent Variable: TLA_N
 Method: Least Squares
 Date: 10/30/00 Time: 17:52
 Sample(adjusted): 1976 1997
 Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	16844107	6898559.	2.441685	0.0246
GOTH_N-TL_N	0.046145	0.020751	2.223712	0.0385
TLA_N(-1)	0.689082	0.132737	5.191344	0.0001

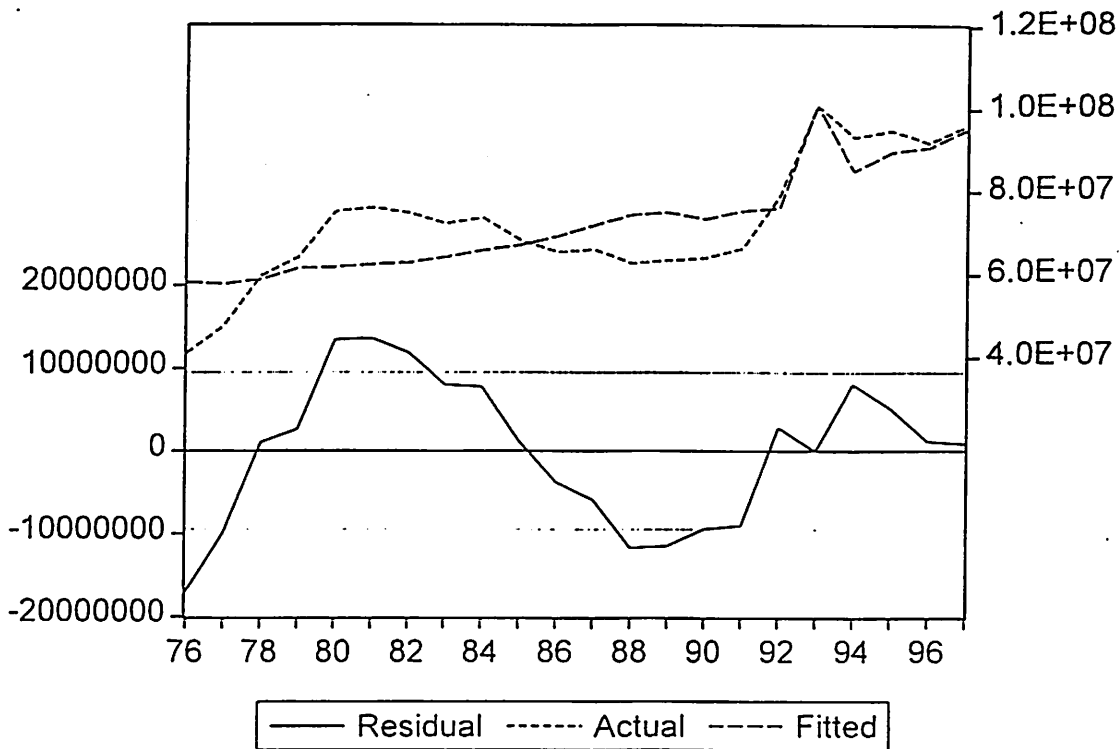
R-squared	0.844074	Mean dependent var	15746754
Adjusted R-squared	0.827661	S.D. dependent var	13043417
S.E. of regression	5414805.	Akaike info criterion	33.97330
Sum squared resid	5.57E+14	Schwarz criterion	34.12207
Log likelihood	-370.7063	F-statistic	51.42652
Durbin-Watson stat	1.063769	Prob(F-statistic)	0.000000



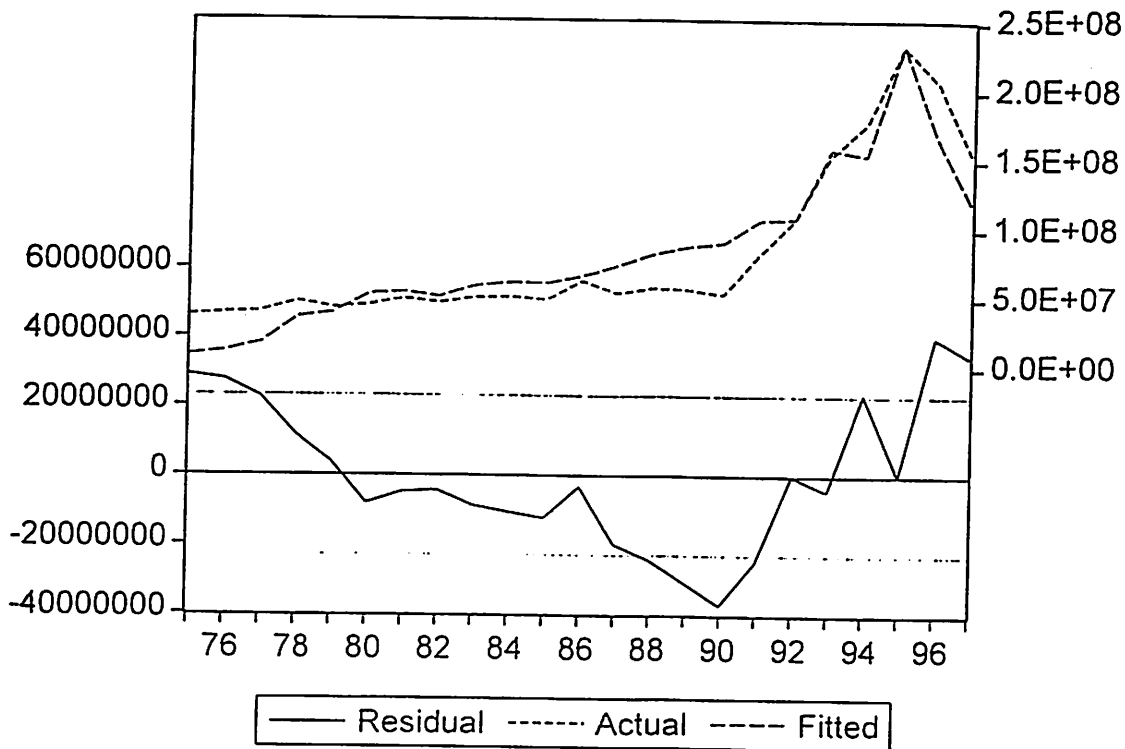
Dependent Variable: TSS_N				
Method: Least Squares				
Date: 10/27/00 Time: 15:17				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2051097.	1459676.	1.405173	0.1770
TSS_N(-1)	0.652398	0.172749	3.776562	0.0014
@TREND	755894.3	363802.8	2.077759	0.0523
D97	17139863	3411185.	5.024607	0.0001
R-squared	0.966379	Mean dependent var	28093232	
Adjusted R-squared	0.960776	S.D. dependent var	15669586	
S.E. of regression	3103380.	Akaike info criterion	32.89685	
Sum squared resid	1.73E+14	Schwarz criterion	33.09522	
Log likelihood	-357.8653	F-statistic	172.4609	
Durbin-Watson stat	1.360112	Prob(F-statistic)	0.000000	



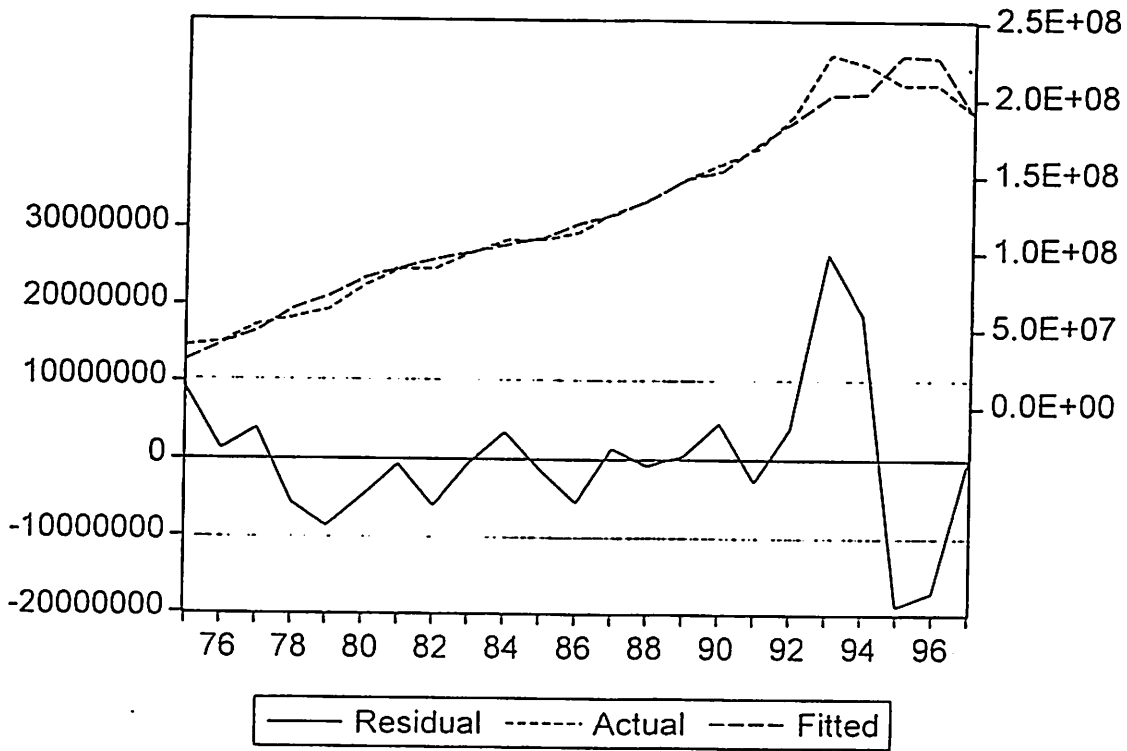
Dependent Variable: TND_N				
Method: Least Squares				
Date: 10/27/00 Time: 15:05				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	98645055	35104081	2.810074	0.0116
YEW_N(-1)/EL_N(-1)	-24267195	18376513	-1.320555	0.2032
@TREND	4582488.	2234429.	2.050854	0.0551
D93	19501485	10012517	1.947711	0.0672
R-squared	0.671866	Mean dependent var	72583838	
Adjusted R-squared	0.617177	S.D. dependent var	15341593	
S.E. of regression	9492260.	Akaike info criterion	35.13282	
Sum squared resid	1.62E+15	Schwarz criterion	35.33119	
Log likelihood	-382.4610	F-statistic	12.28520	
Durbin-Watson stat	0.407320	Prob(F-statistic)	0.000130	



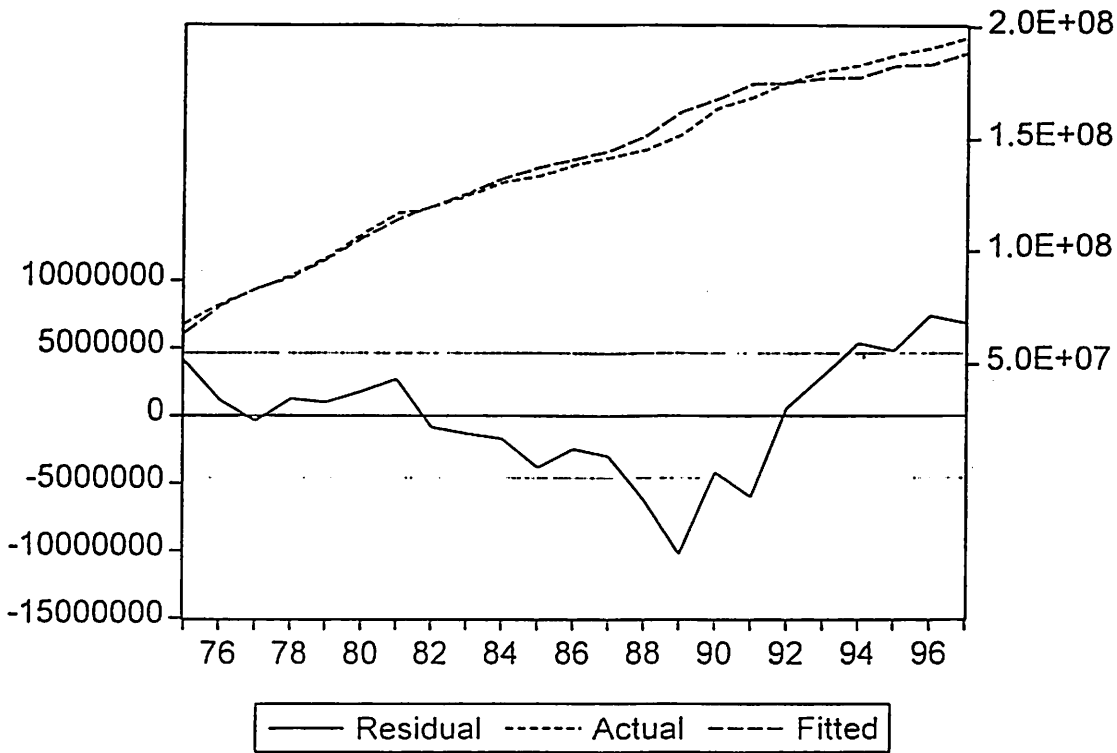
Dependent Variable: LB_N				
Method: Least Squares				
Date: 10/27/00 Time: 15:47				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-54478040	15379243	-3.542309	0.0022
GCB_N	0.728418	0.082129	8.869243	0.0000
D92	-40869563	25017177	-1.633660	0.1188
D95	51726367	26465762	1.954464	0.0655
R-squared	0.868423	Mean dependent var	82827332	
Adjusted R-squared	0.847647	S.D. dependent var	58954387	
S.E. of regression	23011312	Akaike info criterion	36.89764	
Sum squared resid	1.01E+16	Schwarz criterion	37.09512	
Log likelihood	-420.3229	F-statistic	41.80055	
Durbin-Watson stat	0.461757	Prob(F-statistic)	0.000000	



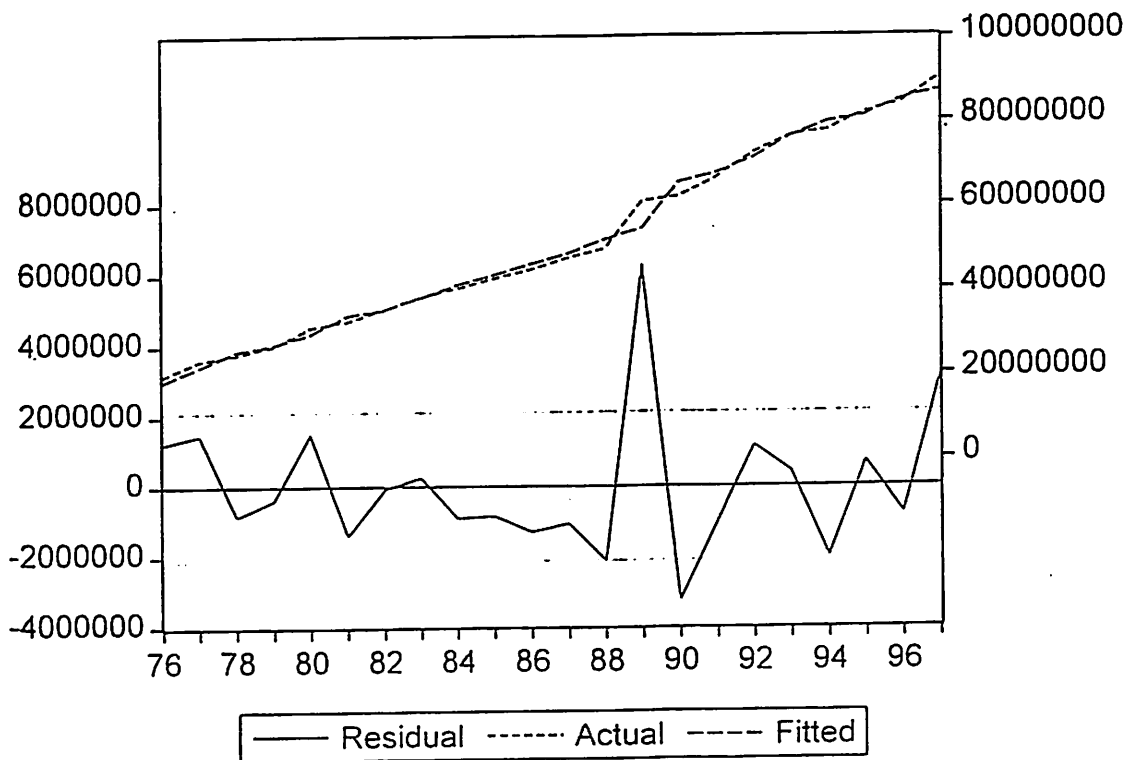
Dependent Variable: TOTH_N				
Method: Least Squares				
Date: 10/27/00 Time: 15:24				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-34010619	6325134.	-5.377059	0.0000
TL_N+TLS_N+TSS_N+	0.286460	0.010727	26.70526	0.0000
D97	-29502388	11046896	-2.670650	0.0147
R-squared	0.974169	Mean dependent var	1.27E+08	
Adjusted R-squared	0.971586	S.D. dependent var	60573805	
S.E. of regression	10210551	Akaike info criterion	35.23685	
Sum squared resid	2.09E+15	Schwarz criterion	35.38496	
Log likelihood	-402.2238	F-statistic	377.1364	
Durbin-Watson stat	1.343040	Prob(F-statistic)	0.000000	



Dependent Variable: GW_N				
Method: Least Squares				
Date: 10/27/00 Time: 15:49				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-43366979	15136183	-2.865120	0.0096
YEW_N/EL_N	36625693	7642831.	4.792163	0.0001
PCP_N	651435.3	436270.9	1.493190	0.1510
R-squared	0.987165	Mean dependent var	1.38E+08	
Adjusted R-squared	0.985881	S.D. dependent var	38915458	
S.E. of regression	4624049.	Akaike info criterion	33.65255	
Sum squared resid	4.28E+14	Schwarz criterion	33.80066	
Log likelihood	-384.0043	F-statistic	769.0980	
Durbin-Watson stat	0.384686	Prob(F-statistic)	0.000000	



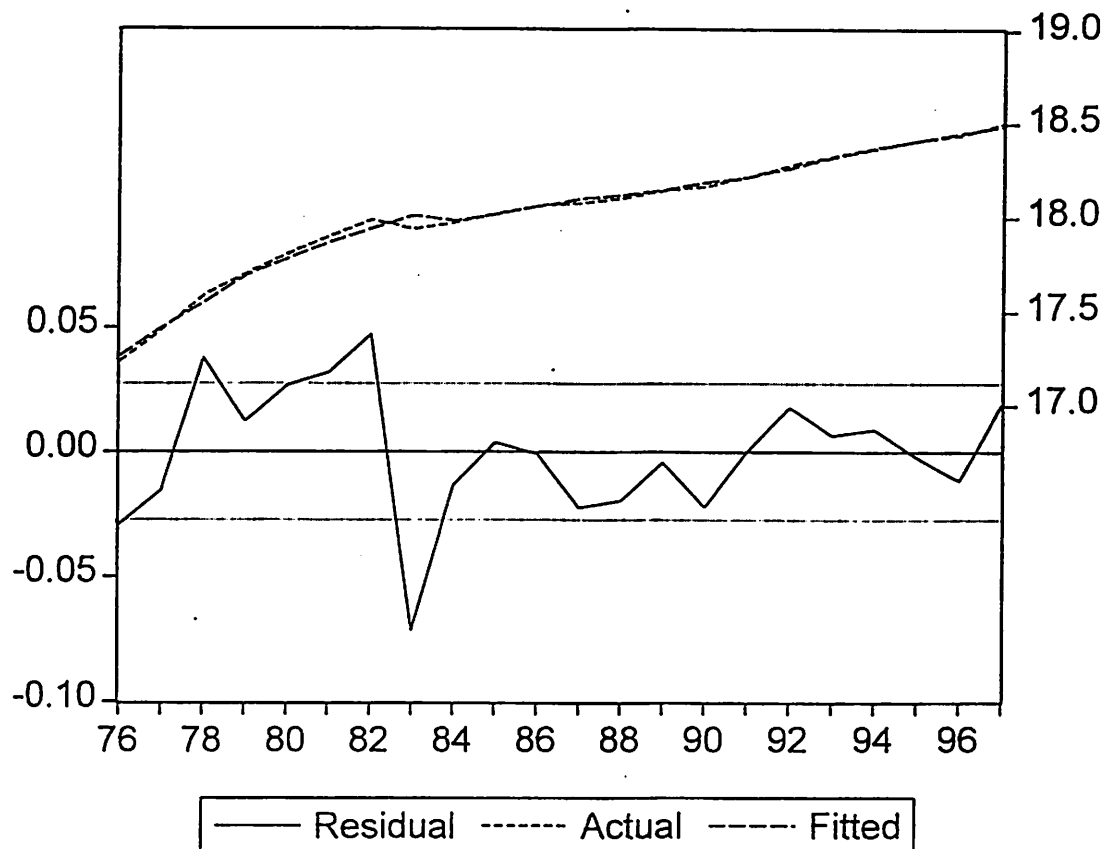
Dependent Variable: GS_N				
Method: Least Squares				
Date: 10/27/00 Time: 16:01				
Sample(adjusted): 1976 1997				
Included observations: 22 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-870775.3	2178057.	-0.399795	0.6938
GS_N(-1)	0.859176	0.099461	8.638364	0.0000
GCP_N	1.184404	0.703708	1.683091	0.1087
R-squared	0.991608	Mean dependent var	51248017	
Adjusted R-squared	0.990725	S.D. dependent var	22019633	
S.E. of regression	2120683.	Akaike info criterion	32.09850	
Sum squared resid	8.54E+13	Schwarz criterion	32.24728	
Log likelihood	-350.0835	F-statistic	1122.530	
Durbin-Watson stat	2.636157	Prob(F-statistic)	0.000000	



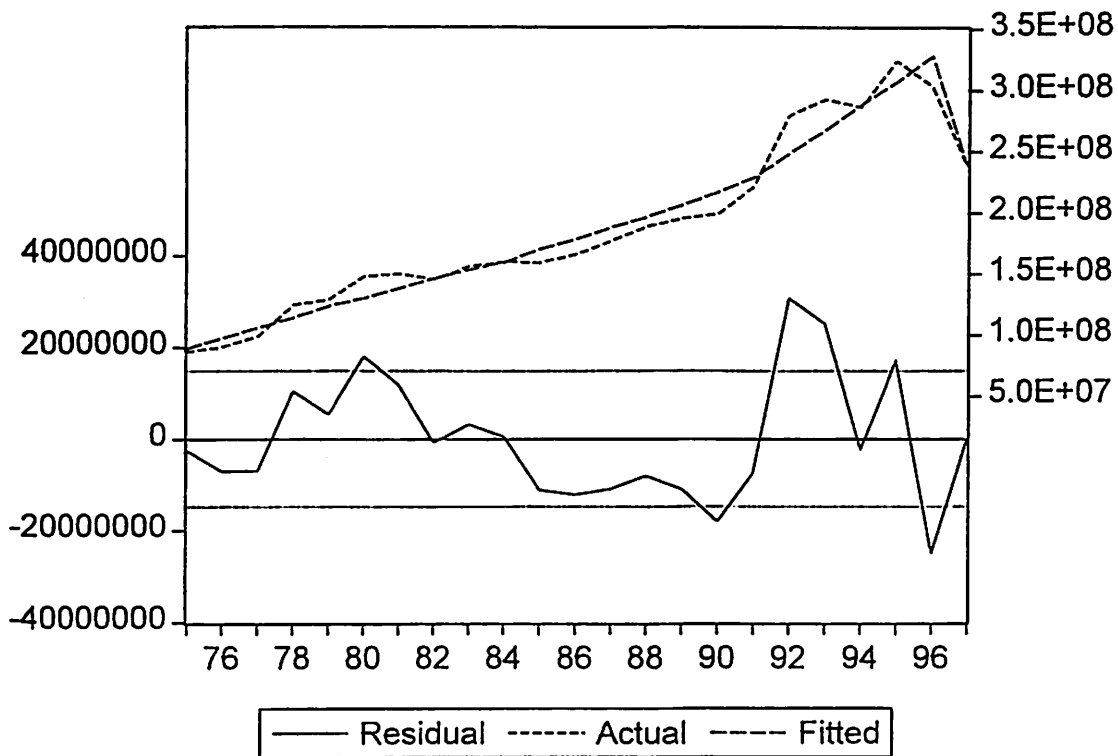
Dependent Variable: LOG(GAL_N)
 Method: Least Squares
 Date: 10/31/00 Time: 20:09
 Sample(adjusted): 1976 1997
 Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.837242	0.308396	5.957417	0.0000
LOG(N65_N)	0.279553	0.070714	3.953282	0.0009
LOG(GAL_N(-1))	0.711555	0.044510	15.98649	0.0000

R-squared	0.993807	Mean dependent var	18.03041
Adjusted R-squared	0.993155	S.D. dependent var	0.330809
S.E. of regression	0.027369	Akaike info criterion	-4.232705
Sum squared resid	0.014232	Schwarz criterion	-4.083927
Log likelihood	49.55976	F-statistic	1524.532
Durbin-Watson stat	1.759440	Prob(F-statistic)	0.000000



Dependent Variable: GCB_N				
Method: Least Squares				
Date: 10/31/00 Time: 20:19				
Sample: 1975 1997				
Included observations: 23				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.29E+08	23067789	-5.596791	0.0000
GCPR_N*PGCE_N/10	-5.392586	4.661466	-1.156843	0.2617
N65_N	1841.600	310.3240	5.934444	0.0000
D97	-1.13E+08	20008628	-5.631253	0.0000
R-squared	0.961253	Mean dependent var	1.88E+08	
Adjusted R-squared	0.955135	S.D. dependent var	70045456	
S.E. of regression	14836522	Akaike info criterion	36.01985	
Sum squared resid	4.18E+15	Schwarz criterion	36.21733	
Log likelihood	-410.2283	F-statistic	157.1213	
Durbin-Watson stat	1.450749	Prob(F-statistic)	0.000000	



Dependent Variable: PB_N				
Method: Least Squares				
Date: 10/27/00 Time: 16:08				
Sample(adjusted): 1980 1997				
Included observations: 18 after adjusting endpoints				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2430916.	4167881.	0.583250	0.5697
LB_N(-1)	0.156237	0.064422	2.425224	0.0306
LB_N(-3)	-0.281428	0.112620	-2.498915	0.0266
LB_N(-5)	0.346061	0.166099	2.083466	0.0575
PB_N(-1)	0.827503	0.103763	7.974939	0.0000
R-squared	0.981208	Mean dependent var	68548955	
Adjusted R-squared	0.975426	S.D. dependent var	24314034	
S.E. of regression	3811475.	Akaike info criterion	33.37506	
Sum squared resid	1.89E+14	Schwarz criterion	33.62239	
Log likelihood	-295.3756	F-statistic	169.6985	
Durbin-Watson stat	3.247206	Prob(F-statistic)	0.000000	

