

LAMPIRAN 1

Correlogram residual dari data level

Agri

Date: 03/10/08 Time: 15:22
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.995	0.995	1811.7	0.000
*****		2	0.990	-0.014	3606.8	0.000
*****		3	0.986	0.003	5385.5	0.000
*****		4	0.981	0.020	7148.7	0.000
*****		5	0.977	0.042	8897.9	0.000
*****		6	0.973	-0.001	10633.	0.000
*****		7	0.969	-0.002	12355.	0.000
*****		8	0.964	-0.003	14063.	0.000
*****		9	0.960	0.000	15756.	0.000
*****		10	0.956	0.005	17437.	0.000
*****		11	0.952	-0.005	19103.	0.000
*****		12	0.947	-0.042	20755.	0.000

Basic

Date: 03/10/08 Time: 15:23
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.997	0.997	1818.3	0.000
*****		2	0.994	-0.021	3626.4	0.000
*****		3	0.991	0.021	5424.9	0.000
*****		4	0.988	-0.001	7213.8	0.000
*****		5	0.985	0.025	8993.7	0.000
*****		6	0.983	-0.003	10765.	0.000
*****		7	0.980	0.003	12527.	0.000
*****		8	0.977	0.003	14280.	0.000
*****		9	0.974	0.007	16024.	0.000
*****		10	0.972	-0.010	17760.	0.000
*****		11	0.969	-0.008	19487.	0.000
*****		12	0.966	-0.026	21204.	0.000

Cons

Date: 03/10/08 Time: 15:23
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.998	0.998	1821.5	0.000
*****		2	0.996	-0.024	3636.3	0.000
*****		3	0.994	0.021	5444.5	0.000
*****		4	0.992	-0.008	7246.2	0.000

*****			5	0.990	0.020	9041.7	0.000
*****			6	0.988	0.008	10831.	0.000
*****			7	0.986	0.012	12615.	0.000
*****			8	0.984	0.006	14392.	0.000
*****			9	0.982	0.006	16164.	0.000
*****			10	0.980	-0.005	17930.	0.000
*****			11	0.978	-0.019	19691.	0.000
*****			12	0.976	0.000	21445.	0.000

Fina

Date: 03/10/08 Time: 15:24
Sample: 1/01/2001 12/31/2007
Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.998	0.998	1821.0	0.000
*****		2	0.996	-0.021	3634.6	0.000
*****		3	0.993	-0.003	5440.9	0.000
*****		4	0.991	-0.004	7239.8	0.000
*****		5	0.989	0.029	9031.9	0.000
*****		6	0.987	0.002	10817.	0.000
*****		7	0.985	0.016	12596.	0.000
*****		8	0.983	0.009	14368.	0.000
*****		9	0.981	0.006	16134.	0.000
*****		10	0.979	0.001	17894.	0.000
*****		11	0.976	-0.019	19648.	0.000
*****		12	0.974	-0.046	21394.	0.000

Infras

Date: 03/10/08 Time: 15:24
Sample: 1/01/2001 12/31/2007
Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.998	0.998	1821.9	0.000
*****		2	0.996	-0.004	3637.7	0.000
*****		3	0.994	0.013	5447.5	0.000
*****		4	0.992	-0.004	7251.4	0.000
*****		5	0.990	0.012	9049.6	0.000
*****		6	0.989	0.005	10842.	0.000
*****		7	0.987	0.008	12629.	0.000
*****		8	0.985	-0.001	14410.	0.000
*****		9	0.983	-0.003	16186.	0.000
*****		10	0.981	0.007	17956.	0.000
*****		11	0.980	-0.013	19721.	0.000
*****		12	0.978	-0.031	21480.	0.000

Mining

Date: 03/10/08 Time: 15:25
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.994	0.994	1807.6	0.000
*****		2	0.988	-0.011	3594.5	0.000
*****		3	0.982	-0.008	5360.7	0.000
*****		4	0.976	0.008	7106.8	0.000
*****		5	0.971	0.017	8833.6	0.000
*****		6	0.965	0.008	10542.	0.000
*****		7	0.959	-0.014	12231.	0.000
*****		8	0.954	-0.003	13901.	0.000
*****		9	0.948	0.009	15553.	0.000
*****		10	0.943	0.005	17187.	0.000
*****		11	0.937	0.001	18803.	0.000
*****		12	0.932	-0.031	20400.	0.000

Misc

Date: 03/10/08 Time: 15:26
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.996	0.996	1814.4	0.000
*****		2	0.992	-0.008	3615.1	0.000
*****		3	0.988	0.026	5402.9	0.000
*****		4	0.984	0.013	7178.4	0.000
*****		5	0.981	0.008	8941.8	0.000
*****		6	0.977	0.001	10693.	0.000
*****		7	0.974	0.005	12433.	0.000
*****		8	0.970	0.006	14161.	0.000
*****		9	0.967	0.003	15878.	0.000
*****		10	0.963	0.006	17583.	0.000
*****		11	0.960	-0.027	19277.	0.000
*****		12	0.956	-0.044	20958.	0.000

Prop

Date: 03/10/08 Time: 15:26
 Sample: 1/01/2001 12/31/2007
 Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.997	0.997	1817.8	0.000
*****		2	0.994	-0.016	3625.2	0.000
*****		3	0.991	-0.003	5422.2	0.000
*****		4	0.988	-0.001	7208.7	0.000
*****		5	0.984	0.007	8985.0	0.000
*****		6	0.981	0.003	10751.	0.000
*****		7	0.978	0.002	12508.	0.000
*****		8	0.975	-0.005	14254.	0.000
*****		9	0.972	-0.006	15990.	0.000
*****		10	0.969	-0.003	17716.	0.000

*****			11	0.966	-0.001	19432.	0.000
*****			12	0.963	-0.037	21137.	0.000

Trade

Date: 03/10/08 Time: 15:27
Sample: 1/01/2001 12/31/2007
Included observations: 1826

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*****	*****	1	0.998	0.998	1820.1	0.000
*****		2	0.995	-0.024	3631.9	0.000
*****		3	0.993	0.009	5435.5	0.000
*****		4	0.990	-0.014	7230.9	0.000
*****		5	0.988	0.027	9018.4	0.000
*****		6	0.985	0.002	10798.	0.000
*****		7	0.983	0.011	12570.	0.000
*****		8	0.980	0.004	14335.	0.000
*****		9	0.978	-0.003	16093.	0.000
*****		10	0.976	0.021	17843.	0.000
*****		11	0.973	-0.029	19586.	0.000
*****		12	0.971	-0.045	21320.	0.000



LAMPIRAN 2

Correlogram residual dari data return

dagri

Date: 03/10/08 Time: 17:00
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
				1	-0.043	-0.043	3.3707	0.066
				2	0.011	0.010	3.6106	0.164
				3	0.010	0.011	3.7941	0.285
				4	-0.004	-0.004	3.8298	0.430
				5	-0.002	-0.003	3.8378	0.573
				6	0.012	0.011	4.0820	0.666
				7	-0.016	-0.015	4.5715	0.712
				8	0.012	0.010	4.8155	0.777
				9	0.017	0.018	5.3366	0.804
				10	-0.005	-0.003	5.3786	0.864
				11	0.086	0.085	19.010	0.061
				12	-0.028	-0.022	20.481	0.059

dbasic

Date: 03/10/08 Time: 17:01
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
*		*		1	0.086	0.086	13.456	0.000
				2	-0.007	-0.014	13.535	0.001
				3	0.020	0.022	14.237	0.003
				4	0.016	0.012	14.688	0.005
				5	0.030	0.028	16.304	0.006
				6	-0.004	-0.009	16.332	0.012
				7	-0.036	-0.035	18.765	0.009
				8	-0.020	-0.015	19.474	0.013
				9	0.007	0.009	19.569	0.021
				10	-0.001	-0.002	19.570	0.034
				11	0.009	0.011	19.706	0.050
				12	0.059	0.060	26.061	0.011

dcons

Date: 03/10/08 Time: 17:01
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
*		*		1	0.082	0.082	12.238	0.000
				2	0.007	0.000	12.321	0.002

				3	0.019	0.019	13.009	0.005
				4	0.005	0.002	13.059	0.011
				5	-0.015	-0.016	13.481	0.019
				6	-0.011	-0.009	13.698	0.033
				7	-0.028	-0.027	15.136	0.034
				8	-0.024	-0.019	16.177	0.040
				9	0.026	0.030	17.397	0.043
				10	0.015	0.012	17.815	0.058
				11	-0.009	-0.010	17.960	0.083
				12	-0.003	-0.004	17.980	0.116

dfina

Date: 03/10/08 Time: 17:02
Sample: 1/01/2001 12/31/2007
Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
*		*		1	0.096	0.096	16.907	0.000
				2	-0.024	-0.034	17.960	0.000
				3	0.015	0.021	18.361	0.000
				4	0.006	0.001	18.420	0.001
				5	-0.010	-0.009	18.590	0.002
				6	-0.019	-0.017	19.225	0.004
				7	-0.016	-0.013	19.668	0.006
				8	0.007	0.009	19.760	0.011
				9	-0.004	-0.006	19.788	0.019
				10	0.007	0.009	19.877	0.030
				11	0.025	0.023	21.049	0.033
				12	-0.012	-0.017	21.311	0.046

dinfra

Date: 03/10/08 Time: 17:03
Sample: 1/01/2001 12/31/2007
Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
				1	0.006	0.006	0.0724	0.788
				2	-0.056	-0.056	5.7648	0.056
				3	-0.033	-0.033	7.7824	0.051
				4	-0.013	-0.016	8.0965	0.088
				5	-0.020	-0.024	8.8621	0.115
				6	0.048	0.046	13.159	0.041
				7	-0.016	-0.020	13.613	0.059
				8	0.008	0.012	13.730	0.089
				9	-0.010	-0.009	13.898	0.126
				10	-0.030	-0.030	15.606	0.111
				11	0.027	0.029	16.910	0.111
				12	0.020	0.013	17.641	0.127

dmining

Date: 03/10/08 Time: 17:03
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.048	0.048	4.2257	0.040
		2	-0.025	-0.027	5.3263	0.070
		3	0.033	0.036	7.3782	0.061
		4	0.045	0.041	11.140	0.025
		5	0.008	0.006	11.268	0.046
		6	0.038	0.038	13.881	0.031
		7	-0.001	-0.007	13.882	0.053
		8	-0.022	-0.022	14.778	0.064
		9	-0.020	-0.021	15.492	0.078
		10	0.001	-0.001	15.496	0.115
		11	-0.016	-0.016	15.994	0.141
		12	0.013	0.016	16.296	0.178

dmisc

Date: 03/10/08 Time: 17:04
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.041	0.041	3.1005	0.078
		2	-0.038	-0.040	5.7928	0.055
		3	0.030	0.033	7.4158	0.060
		4	0.000	-0.005	7.4162	0.115
		5	-0.025	-0.022	8.5211	0.130
		6	-0.025	-0.024	9.6436	0.140
		7	-0.054	-0.054	14.990	0.036
		8	-0.007	-0.003	15.086	0.057
		9	0.009	0.006	15.225	0.085
		10	0.006	0.008	15.296	0.122
		11	0.035	0.035	17.583	0.092
		12	0.022	0.016	18.490	0.102

dprop

Date: 03/10/08 Time: 17:05
 Sample: 1/01/2001 12/31/2007
 Included observations: 1825

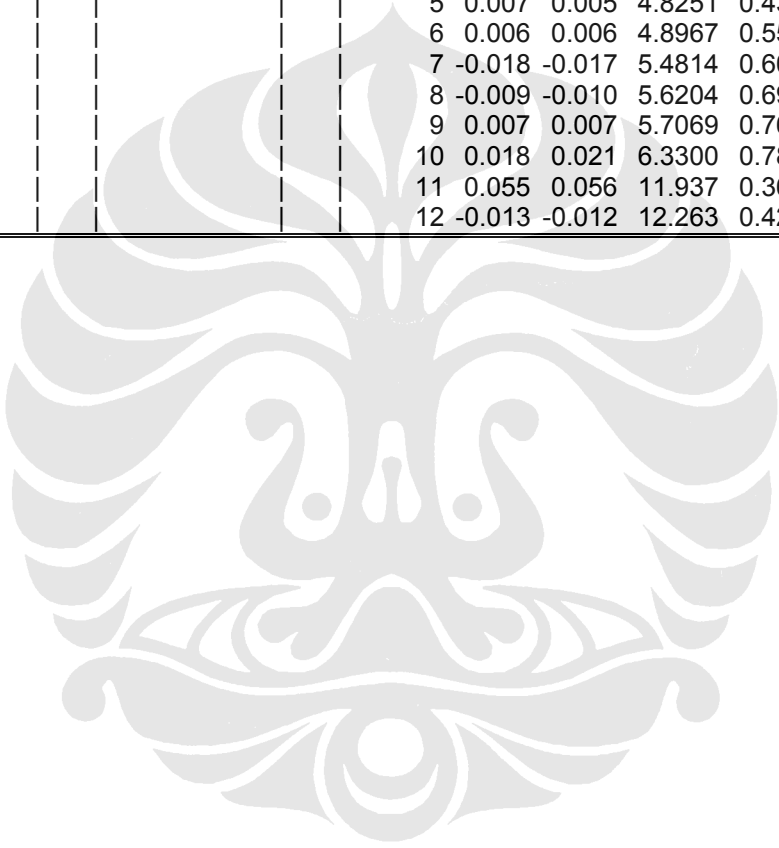
Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
*	*	1	0.120	0.120	26.460	0.000
		2	0.016	0.001	26.906	0.000
		3	0.017	0.016	27.465	0.000
		4	0.030	0.027	29.138	0.000
		5	0.059	0.052	35.441	0.000
		6	-0.020	-0.034	36.167	0.000
		7	0.009	0.015	36.328	0.000
		8	0.006	0.002	36.404	0.000
		9	0.048	0.045	40.601	0.000
		10	0.015	0.002	41.020	0.000

				11	0.004	0.004	41.052	0.000
				12	-0.039	-0.044	43.798	0.000

dtrade

Date: 03/10/08 Time: 17:06
Sample: 1/01/2001 12/31/2007
Included observations: 1825

Autocorrelation		Partial Correlation		AC	PAC	Q-Stat	Prob	
				1	-0.026	-0.026	1.2060	0.272
				2	0.024	0.023	2.2307	0.328
				3	0.035	0.036	4.4457	0.217
				4	-0.013	-0.011	4.7395	0.315
				5	0.007	0.005	4.8251	0.438
				6	0.006	0.006	4.8967	0.557
				7	-0.018	-0.017	5.4814	0.601
				8	-0.009	-0.010	5.6204	0.690
				9	0.007	0.007	5.7069	0.769
				10	0.018	0.021	6.3300	0.787
				11	0.055	0.056	11.937	0.368
				12	-0.013	-0.012	12.263	0.425



LAMPIRAN 3

Correlogram squared residual dari tiap return indeks sektoral setelah dimodelkan dengan univariate GARCH

dagri

Date: 04/22/08 Time: 16:06
 Sample: 1/02/2001 12/31/2007
 Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.050	0.050	4.5111	0.034
		2	0.016	0.013	4.9710	0.083
		3	-0.014	-0.016	5.3530	0.148
		4	0.019	0.020	6.0237	0.197
		5	-0.005	-0.006	6.0621	0.300
		6	-0.040	-0.041	9.0270	0.172
		7	-0.025	-0.021	10.216	0.177
		8	-0.025	-0.022	11.344	0.183
		9	-0.034	-0.033	13.518	0.141
		10	-0.027	-0.022	14.811	0.139
		11	0.048	0.052	19.125	0.059
		12	0.031	0.025	20.877	0.052

dbasic

Date: 04/10/08 Time: 12:52
 Sample: 1/03/2001 12/31/2007
 Included observations: 1824

Q-statistic
 probabilities
 adjusted for 1
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	-0.006	-0.006	0.0703	
		2	-0.030	-0.030	1.7284	0.189
		3	0.031	0.030	3.4605	0.177
		4	0.036	0.035	5.7885	0.122
		5	0.045	0.047	9.4928	0.050
		6	-0.025	-0.023	10.617	0.060
		7	-0.002	-0.001	10.622	0.101
		8	0.005	0.000	10.675	0.153
		9	-0.031	-0.033	12.412	0.134
		10	0.027	0.027	13.766	0.131
		11	-0.009	-0.008	13.901	0.178
		12	0.018	0.022	14.529	0.205

dcons

Date: 04/10/08 Time: 12:54
 Sample: 1/03/2001 12/31/2007
 Included observations: 1824
 Q-statistic
 probabilities
 adjusted for 1
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.013	0.013	0.3118	
		2	-0.028	-0.028	1.7766	0.183
		3	0.001	0.002	1.7783	0.411
		4	-0.016	-0.017	2.2560	0.521
		5	-0.006	-0.005	2.3182	0.677
		6	0.007	0.007	2.4196	0.789
		7	-0.030	-0.031	4.0835	0.665
		8	-0.001	0.000	4.0860	0.770
		9	-0.009	-0.011	4.2494	0.834
		10	0.009	0.009	4.3838	0.884
		11	0.027	0.025	5.7075	0.839
		12	-0.016	-0.016	6.1626	0.862

dfina

Date: 04/10/08 Time: 12:56
 Sample: 1/03/2001 12/31/2007
 Included observations: 1824
 Q-statistic
 probabilities
 adjusted for 1
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.001	0.001	0.0007	
		2	-0.002	-0.002	0.0121	0.912
		3	0.027	0.027	1.3487	0.509
		4	-0.022	-0.022	2.2309	0.526
		5	0.010	0.010	2.4135	0.660
		6	-0.007	-0.008	2.5070	0.775
		7	-0.035	-0.034	4.8108	0.568
		8	-0.014	-0.015	5.1648	0.640
		9	-0.001	-0.001	5.1680	0.739
		10	0.006	0.007	5.2296	0.814
		11	-0.028	-0.029	6.6525	0.758
		12	0.010	0.010	6.8184	0.814

dinfra

Date: 04/22/08 Time: 16:07
 Sample: 1/02/2001 12/31/2007
 Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.033	0.033	2.0338	0.154
		2	-0.005	-0.006	2.0796	0.354

				3	0.019	0.020	2.7559	0.431
				4	-0.035	-0.036	4.9947	0.288
				5	-0.025	-0.022	6.1230	0.294
				6	-0.005	-0.004	6.1720	0.404
				7	-0.013	-0.011	6.4646	0.487
				8	-0.014	-0.014	6.8366	0.554
				9	0.019	0.019	7.5260	0.583
				10	0.038	0.037	10.215	0.422
				11	0.010	0.007	10.402	0.495
				12	-0.015	-0.017	10.810	0.545

dmining

Date: 04/22/08 Time: 16:07
Sample: 1/02/2001 12/31/2007
Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob			
				1	0.019	0.019	0.6783	0.410
				2	-0.009	-0.009	0.8148	0.665
				3	-0.004	-0.003	0.8383	0.840
				4	-0.006	-0.006	0.9087	0.923
				5	0.054	0.055	6.3163	0.277
				6	-0.023	-0.025	7.2910	0.295
				7	-0.027	-0.025	8.6138	0.282
				8	0.005	0.006	8.6530	0.372
				9	-0.017	-0.017	9.2029	0.419
				10	0.011	0.008	9.4274	0.492
				11	-0.018	-0.016	10.019	0.529
				12	-0.006	-0.003	10.084	0.609

dmisc

Date: 04/22/08 Time: 16:08
Sample: 1/02/2001 12/31/2007
Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob			
				1	0.005	0.005	0.0412	0.839
				2	-0.019	-0.019	0.7138	0.700
				3	-0.004	-0.004	0.7479	0.862
				4	-0.003	-0.003	0.7648	0.943
				5	-0.014	-0.014	1.1132	0.953
				6	0.007	0.007	1.1951	0.977
				7	-0.018	-0.019	1.7894	0.971
				8	0.023	0.024	2.7960	0.946
				9	-0.026	-0.027	4.0513	0.908
				10	-0.016	-0.015	4.5104	0.921
				11	-0.023	-0.024	5.4855	0.905
				12	0.006	0.005	5.5450	0.937

dprop

Date: 04/10/08 Time: 13:42
Sample: 1/03/2001 12/31/2007
Included observations: 1824
Q-statistic
probabilities
adjusted for 1
ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.009	0.009	0.1574	
		2 -0.005	-0.005	0.2056	0.650
		3 -0.008	-0.008	0.3132	0.855
		4 0.012	0.012	0.5883	0.899
		5 0.023	0.023	1.5750	0.813
		6 -0.010	-0.011	1.7646	0.881
		7 0.010	0.011	1.9592	0.923
		8 -0.047	-0.047	6.0149	0.538
		9 -0.029	-0.029	7.5383	0.480
		10 0.006	0.006	7.6146	0.573
		11 0.058	0.058	13.879	0.179
		12 -0.039	-0.040	16.682	0.118

dtrade

Date: 04/22/08 Time: 16:09
Sample: 1/02/2001 12/31/2007
Included observations: 1825

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.015	0.015	0.4231	0.515
		2 -0.022	-0.023	1.3408	0.512
		3 0.000	0.001	1.3410	0.719
		4 0.018	0.018	1.9381	0.747
		5 0.018	0.017	2.5110	0.775
		6 0.024	0.024	3.5495	0.737
		7 -0.032	-0.032	5.4467	0.606
		8 -0.017	-0.015	5.9695	0.651
		9 -0.013	-0.015	6.2781	0.712
		10 0.054	0.053	11.718	0.304
		11 0.004	0.003	11.753	0.382
		12 -0.027	-0.024	13.071	0.364