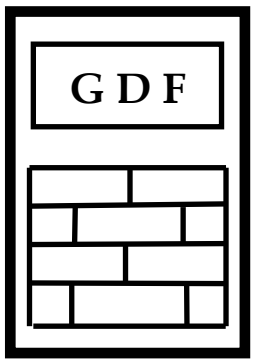
GDF DATA BANKS BULLETIN

HuPoTest – 50 years of research



VOL. 21 , No. 5

Bucharest, May 2017

ROMANIA

GDF DATABANKS BULLETIN, VOL. 21, NO. 5, 2017
ISSN 1453 - 1674

Content

	no.pages
Interaction of unpolarized capacitors with human mental field and bio-fields. VIII. Dielectrics with highly oriented crystalline structure.	5
HuPoTest – data base correlations revealing mental pattern.	3
About the author	1
Previous issues of GDF DATABANKS BULLETIN, Errata	4

13+3 pages

any reproduction from

GDF DATABANKS BULLETIN

in other documents, publications and/or products
needs the written agreement of the author(s)
All correspondence at: gdf.dragan@gmail.com

ISSN 1453 - 1674

9 771453 167008

This Bulletin is registered at:
- Biblioteca Nationala a Romaniei, Bucharest and
- National Library of Australia, Canberra

www.gdfdatabanks.ro

GDF DATABANKS BULLETIN, VOL. 21, NO. 5, 2017
ISSN 1453 - 1674

Interaction of unpolarized capacitors with human mental field and bio-fields. VIII. Dielectrics with highly oriented crystalline structure.

New vision on material science opens a new era in the knowledge of Life.

Measurements on pairs of unpolarized capacitors with highly oriented dielectrics are resumed [1] in the present note by using a new circuitry (differential amplifiers with A=1000). Figure 1 shows details on that (figures represent measuring channels) and Table 1 gives the exact distribution of capacitors along channels. Measurements were carried out at every the four main Moon phases on the calendar period of time between 28th January up to 25th May 2017. Although the actual and the previous studies [2] showed that Moon phases have not visible effects on results, their periodicity at 7-8 days allows evidencing the concurrent activities of Human Mental Field (HMF) and other Bio-Fields (BF) over the great calendar period of time.

The resulted 18 graphs for Udc(HOD) (HOD = Hour of the Day) for only pair of quartz resonators of 2 MHz (denoted as 2Q2MHz) are given at the end of this note. More experimental details are available in previous notes of this series. It is important to mention that:

(i) at the present series of measurements the polarity of Udc variations have reverse polarity than the previous ones with different circuitry, although the quartz resonators are the same and connected to the same IN+ and IN-;

(ii) all the other pairs showed the same shape of Udc(HOD), but with different polarity and amplitude. Figure 2 (at the end) shows the relative amplitude of each channel reported at the channel 1.I changed capacitor pairs at different channel and the same amplitude resulted. It appears as capacitor pairs mutually interact, but with different coupling values and/or the their spatial position governs the amplitude.

(iii) another 7 channels were added (not shown in Figure 1) to the 8 measurement channels with similar circuitry by using the data logger Graphtec GL 200 (16 bit) previously used in similar measurements on water and aqueous solutions [3, 4]. Pairs of quartz resonators of 2 and 4 MHz showed the same shape of Udc(HOD), but the other pairs of capacitors with polymer films showed high noisy inferences;

(iv) Figure 3 shows that HMF dominates in cold weather and it is compensated by BF in warm weather. As in the previous results, it is also evidenced on Udc(HOD) that BF activity is triggered by rising sun and warm weather. More details in next notes.

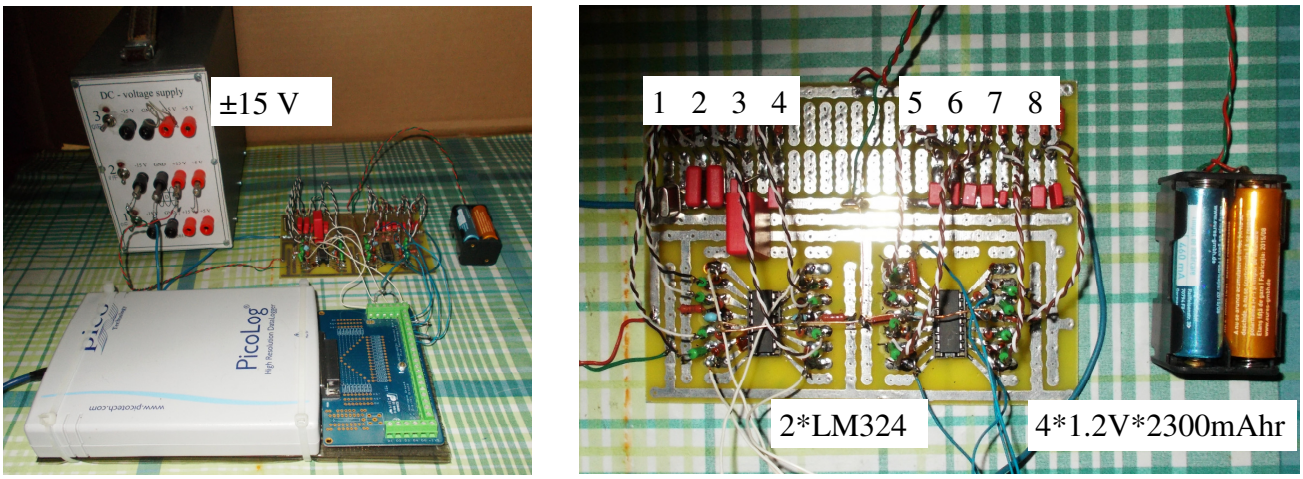


Figure 1. Pictures of measuring circuitry.

References

[1] G. Dragan, Interaction of unpolarized capacitors with human mental field and bio-fields. VII. Dielectrics with highly oriented crystalline structure, GDF Databanks Bull., 21(4), 2017

[2] G. Dragan, Interaction of quartz crystals with bio-fields. VI. Influence of Moon phases, GDF Databanks Bull., 21(3), 2017.

[3] G. Dragan, DTA study of water freezing (I-VII), GDF Databanks Bull., 17(5), 2013.

[4] G. Dragan, Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). (I, II), GDF Databanks Bull., 18(2), 2014.

Table 1. Capacitor distribution among the measuring channels. All differential amplifiers are identical on two LM324 (A=1000).Capacitors with dielectric made from highly oriented plastic film (Polypropylene, PP and Polyester, PES) are from WIMA (www.wima.com).

	ch.1	**ch.2**	**ch.3**	**ch.4**
IN+	Q2MHz	10nF 1000Vdc MKP10(PP)	4.7nF 400Vdc FKS2(PES)	100nF 1000Vdc MKP10(PP)
IN-	Q2MHz	10nF 1000Vdc MKP10(PP)	4.7nF 400Vdc FKS2(PES)	100nF 250Vdc MKS2(PES)
	ch.5	**ch.6**	**ch.7**	**ch.8**
IN+	1nF 630Vdc FKP2(PP)	470pF 630Vdc FKP2(PP)	22nF 63Vdc MKS02(PES)	1nF 630Vdc FKP2(PP)
IN-	1nF 400Vdc FKS2(PES)	470pF 630Vdc FKP2(PP)	22nF 63Vdc MKS02(PES)	1nF 400Vdc FKS2(PES)

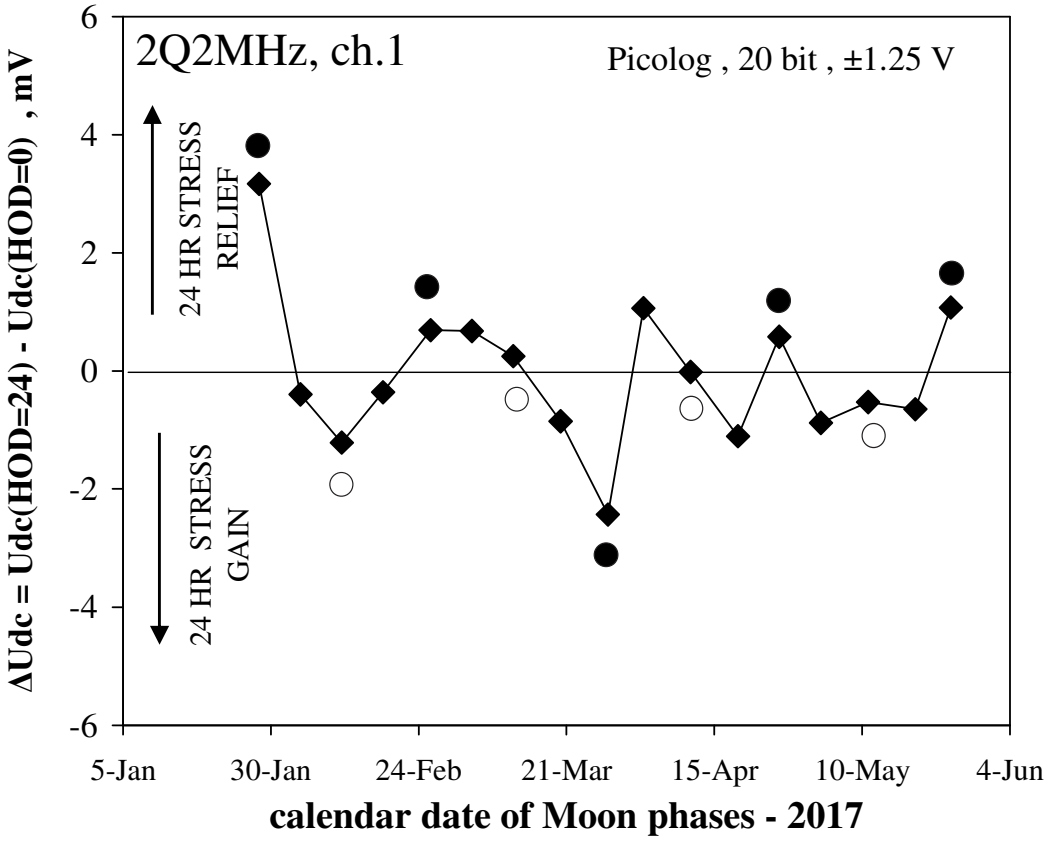
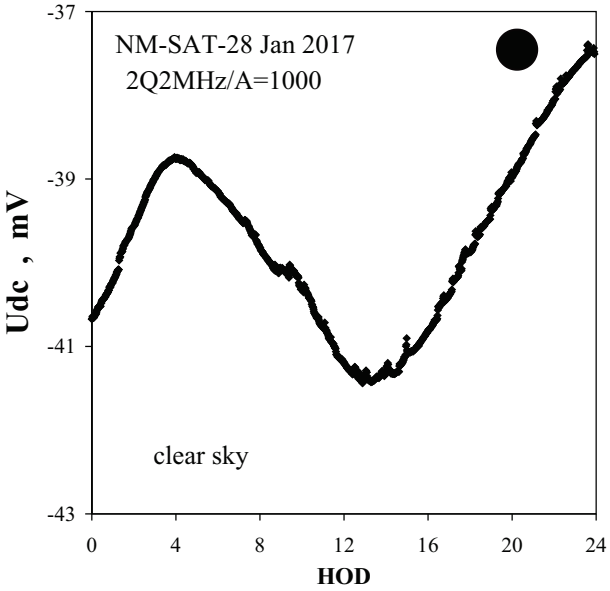
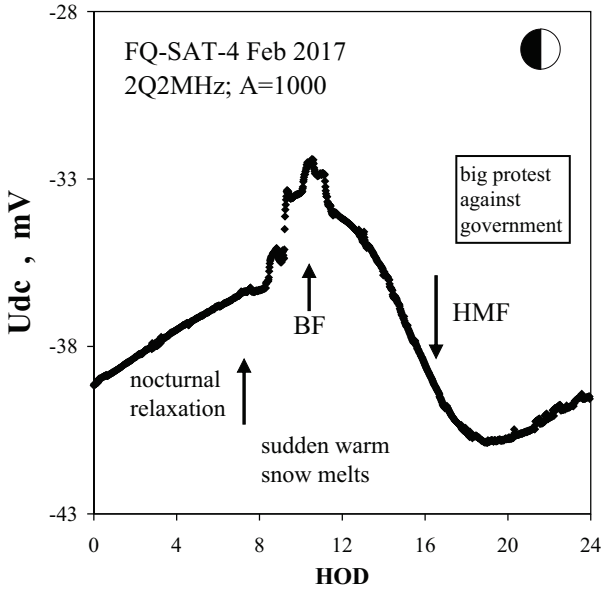
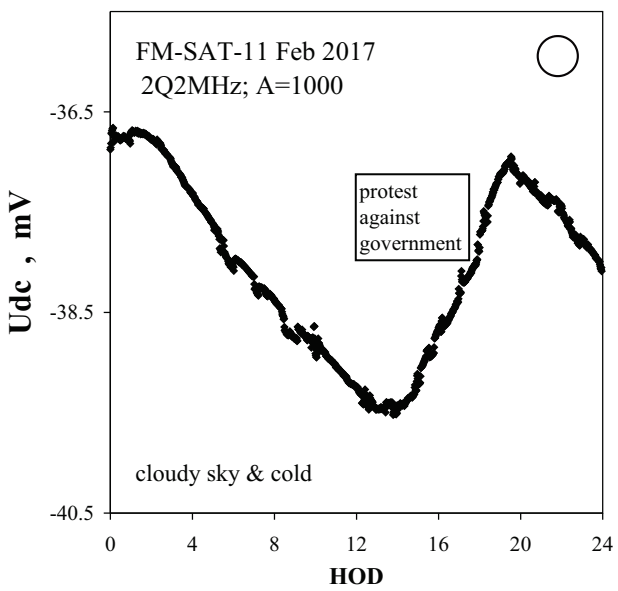
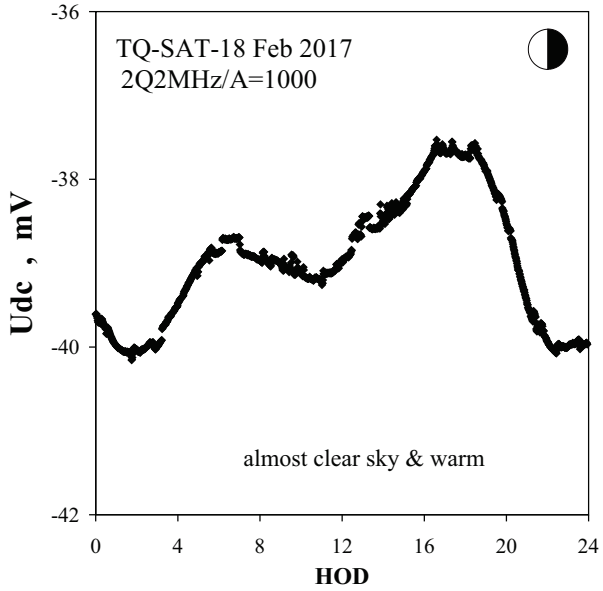


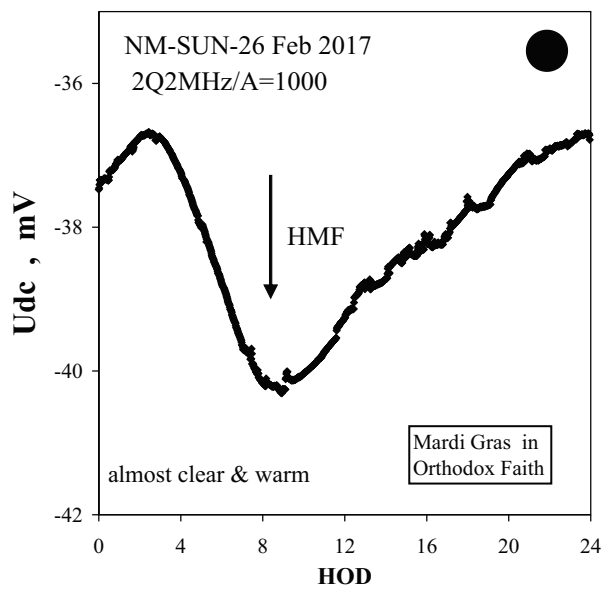
Figure 3.

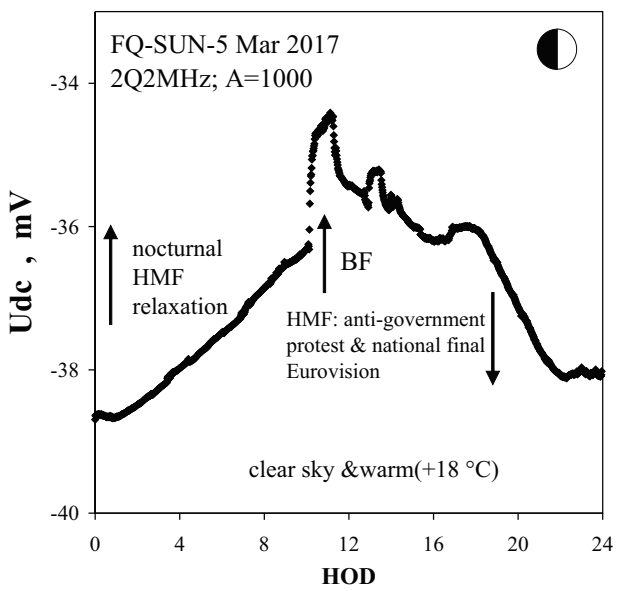




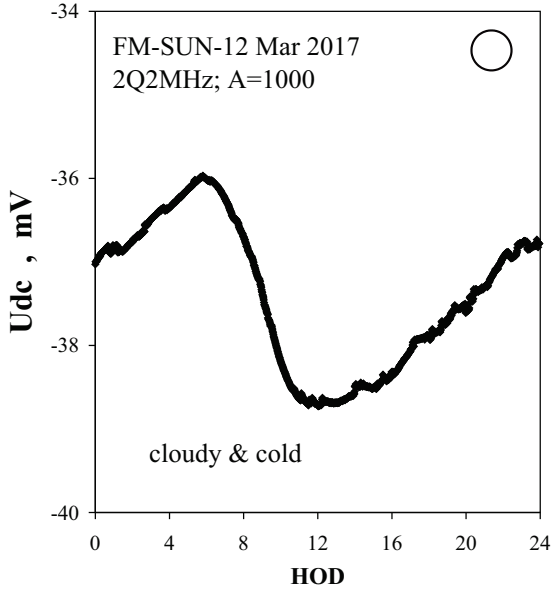


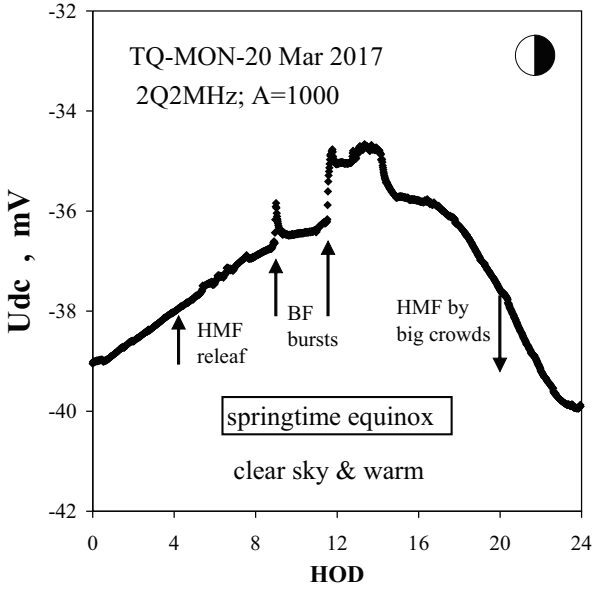


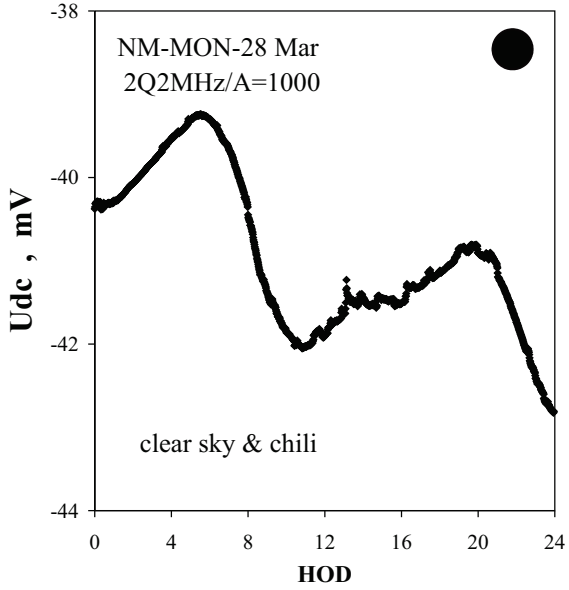


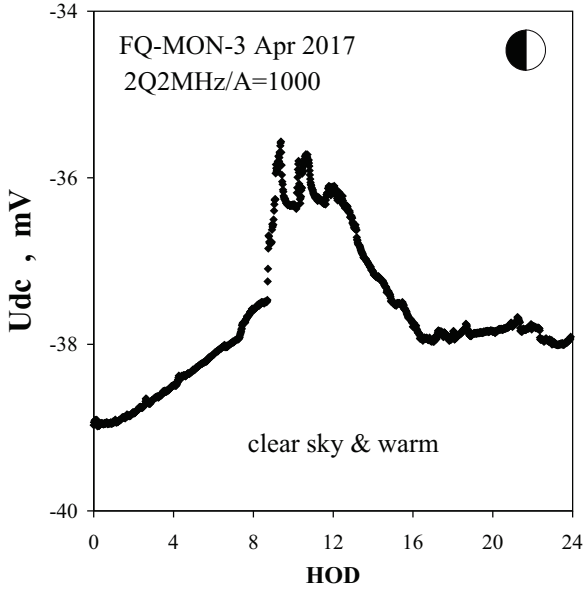


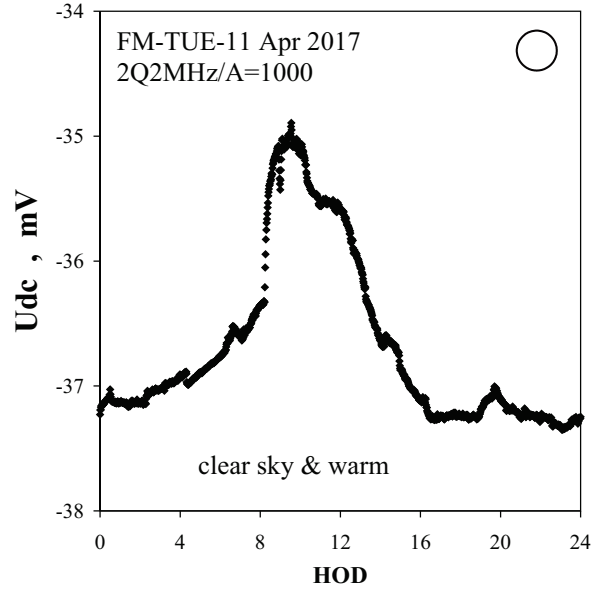
GDF DATABANKS BULL., VOL. 21, NO. 5, 2017
ISSN 1543 - 1674

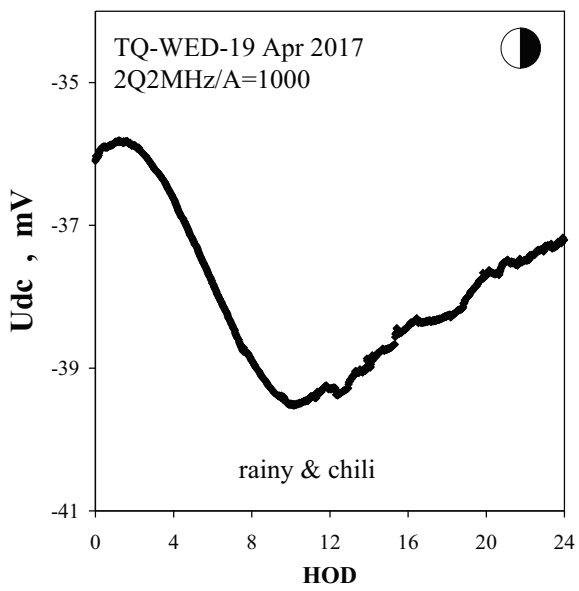




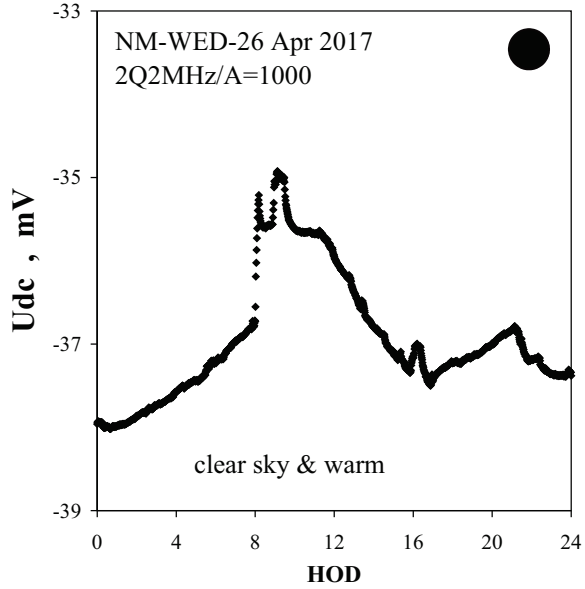


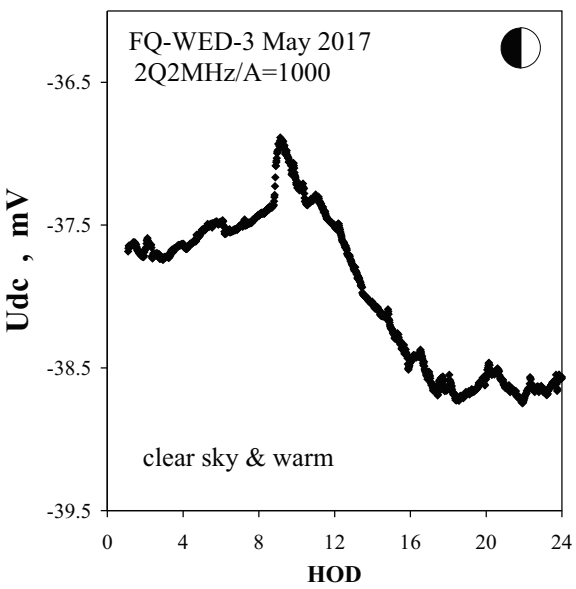


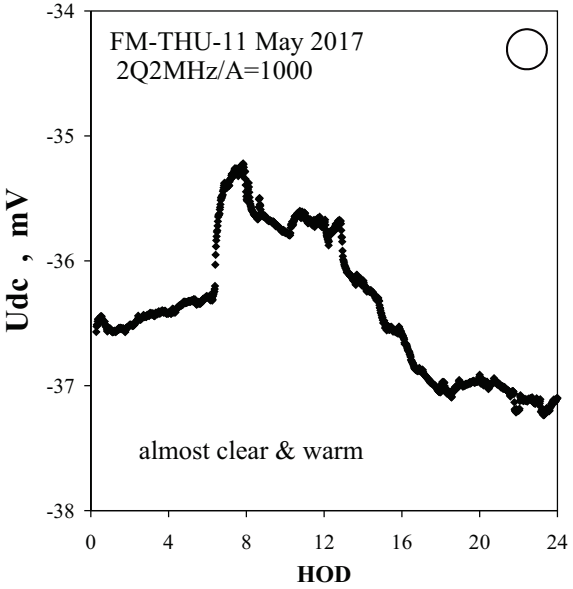


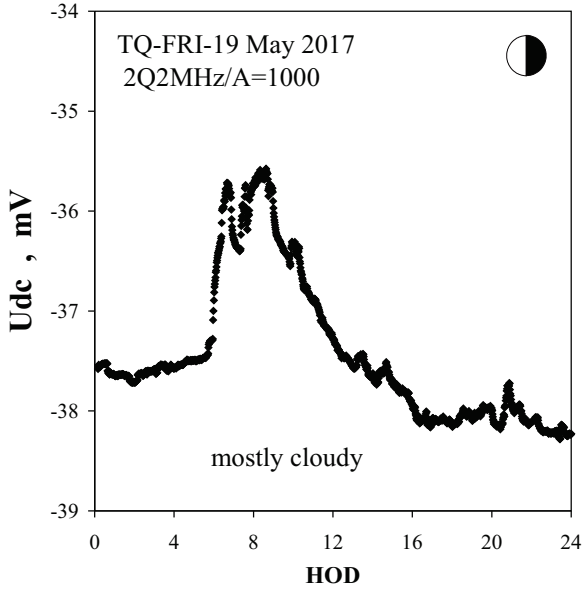


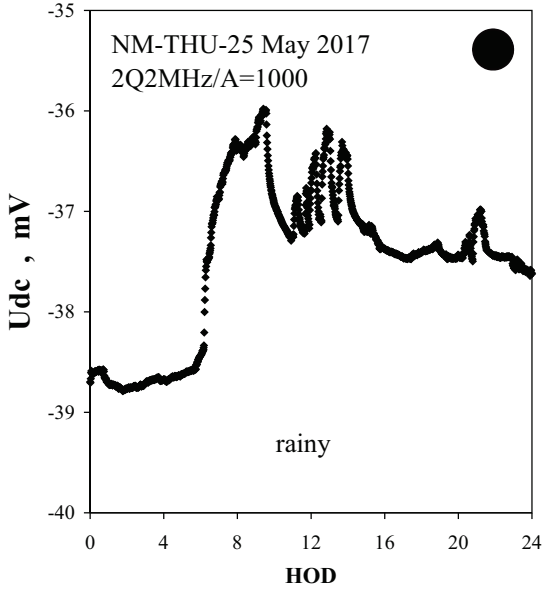
GDF DATABANKS BULL., VOL. 21, NO. 5, 2017
ISSN 1543 - 1674











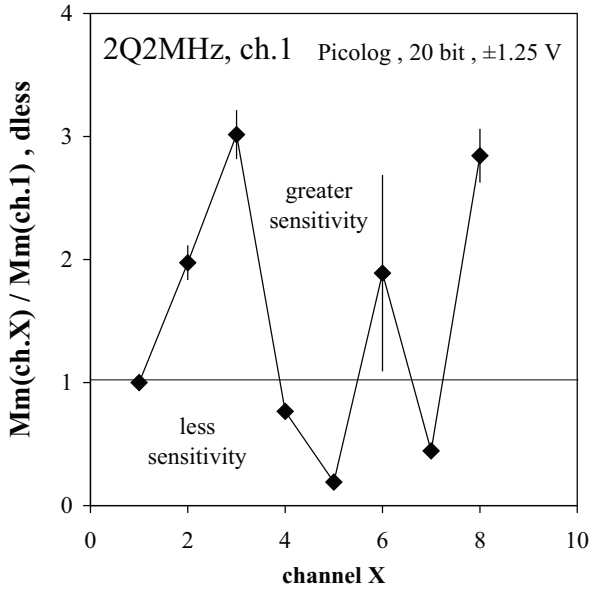


Figure 2.

GDF DATABANKS BULL., VOL. 21, NO. 5, 2017
ISSN 1543 - 1674

GDF DATABANKS BULLETIN, VOL. 21, NO. 5, 2017
ISSN 1453 - 1674

HuPoTest – data base correlations revealing mental pattern.

Mind survives.

Thorough studies showed that HuPoTest parameters obtained on a specific period of time for a Person Under Test (PUT) depend mainly on Hour of the Day (HOD), but correlations of their databases can reveal his mental pattern [1, 2]. The origin of these correlations stands in establishing the calibration pattern of a general measuring instrument [3-5], so HuPoTest appears as the calibration of the individual PUT timer. Unfortunately, majority of parameters defined on a huge number of PUT along 50 years of intense research are not available for HuPoTest users. Furthermore, the free software available on the website needs Windows on 32 bit, so I decided to recommend the procedure using stopwatch and the help of another person noting the yij values. I used initially and I am using continuously this procedure in view to establish new parameters and/or deeper significances [6, 7]. I have posted also the Excel 2003 template where values yij must transfer and basic parameters are calculated automatically (Figure 1) and the graph containing all data results (Figure 1). I am suspicious about the ability of most users in handling Excel, especially the young ones as the main target of HuPoTest, Any how, this procedure is easier than the free software.

The first correlation performed on a data base of parameters [1] was between slope and intercept, resulting also a linear relationship, but with smaller values of correlation coefficient and greater standard deviations of so called affine/linear parameters (n1, m1).

HuPoTest results obtained by myself on March-May 2014 are considered in this note in view to reveal mental pattern evidenced by some simple correlations further available for any PUT by using the recommended procedure.

Figure 2 shows the basic linear correlation between slope and intercept. It is important to mention that error bars for each point are calculated with formula not included in the Excel template, but not absolutely necessary for further evaluations.

Figure 3 shows the linear correlation between Δa and Δb, new parameter introduced in Excel template defined on the parameter pyj = product(yij). This parameter was previously introduced, but defining a sigmoid correlation [2]. The associated error bars affecting (Δa, Δb) and (n1, m1) parameters are smaller than the ones in Figure 2 and the points are more clear grouped along the straight line.

Figures 4-7 show the correlations between pairs from the four parameters. It is important to observe the good linear relationship between slope and intercept with Δa, respectively, and finally to conclude that all these affine parameters (n1, m1) can define the PUT mental pattern on the period of time considered. The following steps are necessary to establish mental pattern:

1- create a special folder with HuPoTest results;

2- create a special Excel document under a specific name (ex. Florin-12.03-15.0617.xls) and save on the Sheet1 all yij values with the mention of date and HOD for each set;

3- prior to close Excel template: print the graphic as pdf and save it under a suggestive name (ex. Florin-12.03.17-12.30.pdf); do not save modifications in view to keep all its initial settings;

4-all parameters collected from graphics must be transferred on next Sheet(s) in Excel document (pt.2) in view to further retrieve according to linear regression by using slope, intercept and correl functions from Excel library for all above mentioned (n1, m1) parameters.

References:

[1] G.Dragan, HuPoTest: four month study of a case, GDF Databanks Bull., 15(5) 2011.

[2] G.Dragan, HuPoTest: New measurements and results, GDF Databanks Bull., 17(6) 2013.

[3] G.Dragan, Definition and assignment of some global uncertainties of measurements, 9th International Metrology Congress, Bordeaux, France, 18-21 Octobre 1999, pp.353-356.

[4] G. Dragan, Discussions on Applied Metrology, GDF Databanks Bull., 3(2) 1999.

[5] G. Dragan, Measurement and calibration, GDF Databanks Bull., 4(2) 2000.

[6] G.Dragan, HuPoTest-40 years of continuous research, GDF Databanks Bull., 11(1) 2007.

[7] G.Dragan, HuPoTest–general procedure, assignments of results, specimen of complete test, order and obtain your complete HuPoTest report, GDF Databanks Bull., 11(2) 2007.

					ATTENTION:													
name	John DOE				1. Fill up yij values in the yellow area.													
date	11-Jan-10				2. Mention the date and Hour Of the Day (HOD) of the test.													
HOD	6:45				3. Do not modify the other cells.											ln(pyj) = ln(product(yij))			
					4. For further retrieval of raw data do open new sheet(s).													
	yij (seconds)										yj		1/S	N/S		REAL		IDEAL	
xj \ n	1	2	3	4	5	6	7	8	9	10	average	stdev	dyj	stdev*dyj		ln(s)	n*ln(s)	ln(s)	n*ln(s)
5	6.019	4.619	5.822	6.278	5.88	6.603	6.591	6.114			5.99	0.63	-0.1424	-0.0894		ln(xj)	ln(pyj)	ln(xj)	ln(pyj)
10	12.448	12.695	11.743	10.335	11.687	11.698	10.695	10.751			11.51	0.85	0.59625	0.50522		1.6094	14.2792	1.60944	12.8755
15	15.022	16.568	13.421	13.197	14.822	15.446	15.102	15.799			14.92	1.14	-0.7652	-0.8693		2.3026	19.5242	2.30259	18.4207
20	23.245	20.058	20.586	21.688	17.98	20.798	21.44	20.411			20.78	1.51	0.31137	0.46886		2.7081	21.6020	2.70805	21.6644
	minimum n = 5 values, recommended 8 values for each xj										**slope**	**0.955**	dless			2.9957	24.2515	2.99573	23.9659
											intercept	**1.356**	s			**a1**	**7.007**	**ao**	**8.000**
											correl	**0.99539**				**b1**	**3.071**	**bo**	**0.000**
											SC	**1**				**correl1**	**0.99682**	**correl1**	**1.00000**
															Δa	**a1-ao**	**-0.993**		
															Δb	**b1-bo**	**3.071**		

Table 1. Structure of Excel template (shadowed area = yellow area).

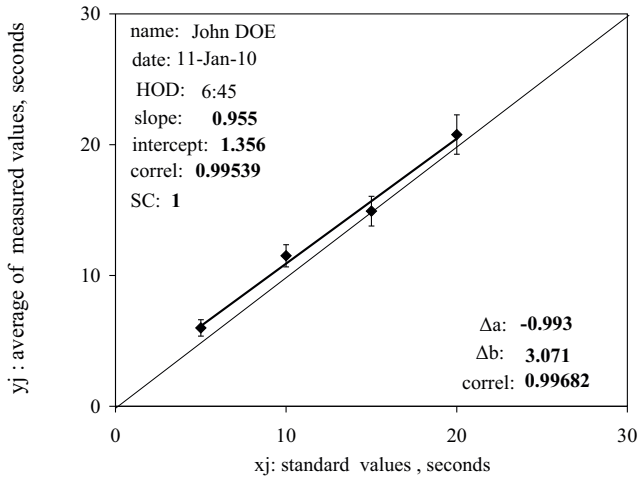


Figure 1.

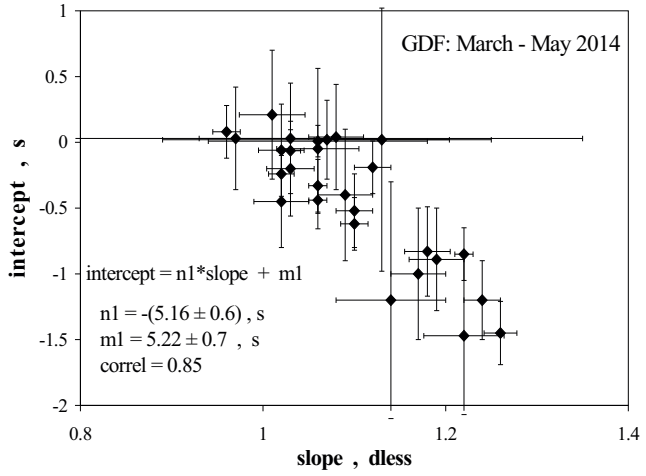


Figure 2.

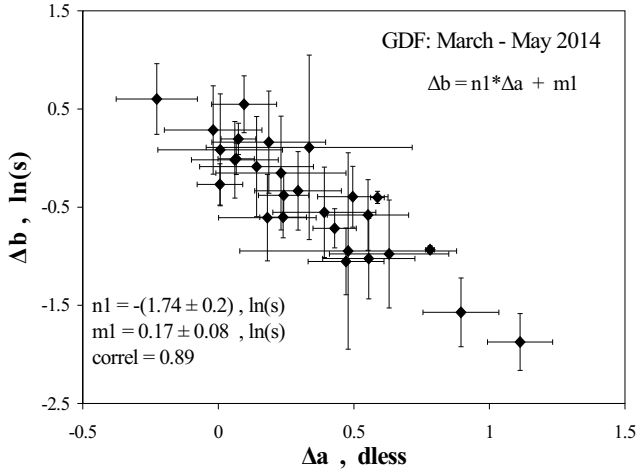


Figure 3.

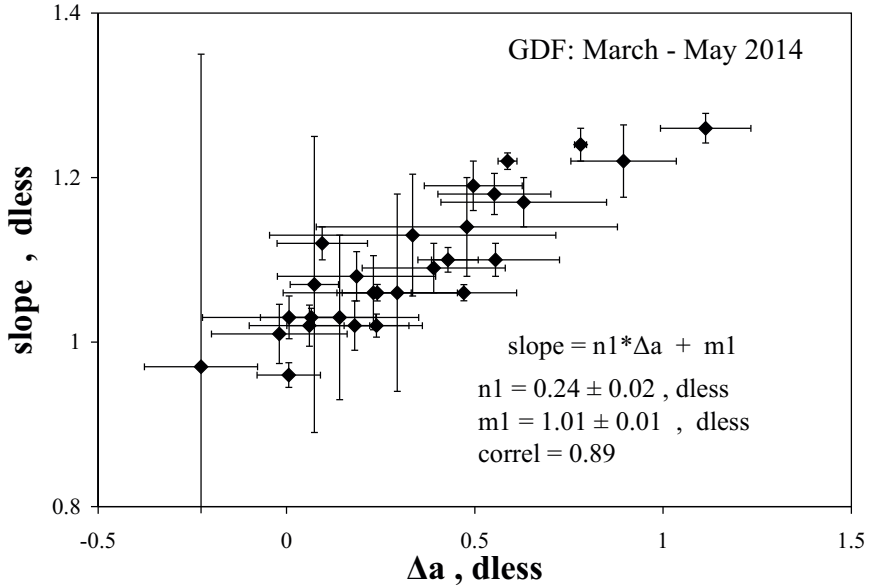


Figure 4.

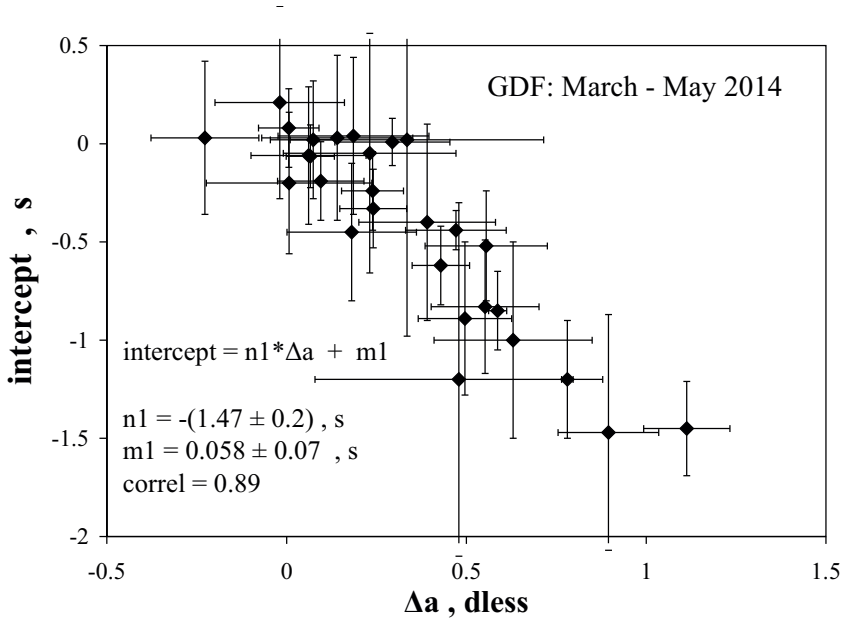


Figure 5.

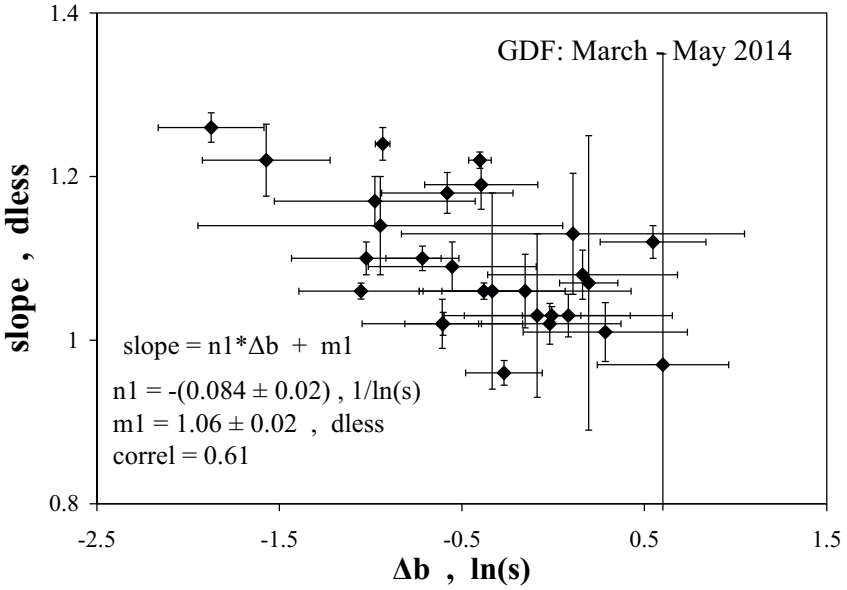


Figure 6.

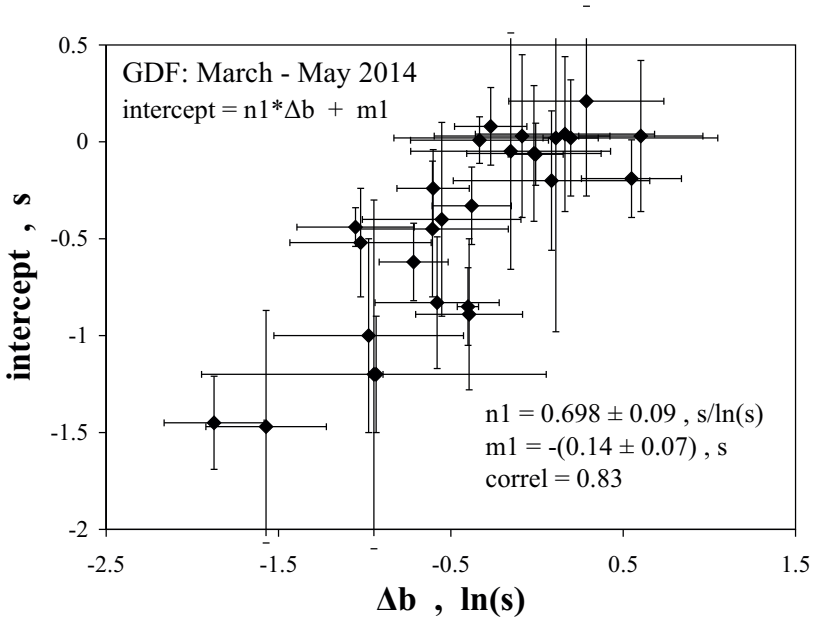


Figure 7.

GDF DATABANKS BULLETIN, VOL. 21, NO.5, 2017
ISSN 1453 – 1674

About the author:

First name	Gheorghe
Last name	DRAGAN
Born	1 September 1945, Ploiesti, Prahova (Romania)
Studies	Faculty of Physics, University of Bucharest, Romania (1963-1968) Ph.D. in Physics, University of Bucharest, Romania (1980)
experience	● Head of material testing laboratory, ICECHIM, Polymer Department, Bucharest (1969-1979); ● Initiator and leader of the research project on new forms and sources of energy; ICECHIM, Center of Physical Chemistry (1979-1988); ● Head of laboratory of analytical devices and measuring instruments, AMCO-SA, Bucharest (1988-1993); ● Founder & owner of GDF-DATA BANKS srl Bucharest (1993-2008); ● Expert metrologist, Romanian Bureau of Legal Metrology, Bucharest, Romania (1997-2000).
publications	● >100 scientific papers ● >70 scientific communications ● 17 patents ● 5 books
Address:	See contact details on website: www.gdfdatabanks.ro gdf.dragan@gmail.com

GDF DATABANKS BULLETIN, VOL.21, NO.5, 2017
ISSN 1453 - 1674

Previous issues of GDF DATABANKS BULLETIN

Year	VOL	NO	Content (titles)	$*)
1997	1	1	Editorial: Databanks – the compulsory language. LOGKOW – a Databank of evaluated octanol-water partition coefficients (James Sangster). Solubility behavior introducing topoenergetic working principles. Comments on 1-octanol-water partition of several n-alkane related series.	F
1997	1	2	Guide of good practice in metrology (Romanian)	AFI
1998	2	1	Editorial: socio-psychological implications in creation and utilization of a databank (Ioan-Bradu Iamandescu); Behavior in vapor-liquid equilibria (VLE): I. Structural aspects; Behavior in vapor-liquid equilibria: II. Several structures in databanks; Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania).	F
1998	2	2	Practical course of metrology (Romanian)	AFI
1998	2	3	DIFFUTOR-01: Thermally driven diffusion in pure metals	AFI
1998	2	4	VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules	AFI
1999	3	1	Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. VAPORSAT: Databanks of vapor-liquid separation kinetics.	F
1999	3	2	Discussions on Applied Metrology	AFI
2000	4	1	Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999.	F
2000	4	2	Measurement and Calibration.	AFI
2001	5	1	Editorial: Metrology ensures moral and technological progress. Topoenergetic aspects of amorphous-crystalline coupling. I. Composite behavior of water and aqueous solutions (paper presented at nanotubes and Nanostructures 2001, LNF, Frascati, Rome Italy, 17-27 October 2001). Events: Nanotubes and nanostructures 2000.School and workshop, 24 September – 4 October 2000, Cagliari, Italy.	F
2001	5	2	Editorial: Viscosity – a symptomatic problem of actual metrology. Visco-Dens Calorimeter: general features on density and viscosity measurements. New vision on the calibration of thermometers: ISOCALT® MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition.	F
2002	6	1	MOSATOR-01: Topoenergetic databanks for one component molten salts; thermally driven viscosity and electrical conductance.	AFI
2002	6	2	Editorial: HuPoTest - Operator calibration or temporal scale psychic test. MOSATOR: topoenergetic databanks of one component molten salts; thermally driven viscosity and electrical conductance.	F
2002	6	3	Editorial: Quo vadis Earth experiment? ISOCALT® : Report on metrological tests	F
2003	7	1	Editorial: Time – an instrument of the selfish thinking. 1st NOTE: Homoeopathy: upon some efficient physical tests revealing structural modifications of water and aqueous solutions. I. Mixing experiments.	F
2004	8	1	Metrological verification and calibration of thermometers using thermostats type ISOCALT® 21/70/2. Metrological verification and calibration of thermometers using thermostats type ISOCALT® 2.2R.	F
2004	8	2	Aspects of correct measurements of temperature. I. measurement of a fixed point according to ITS-90. Physics and Homoeopathy: some physical requirements for homoeopathic	F

			practice.(Plenary lecture at the 19th SRH National Congress, 21-22 September 2004, Bucharest, Romania)	
2005	9	1	AWARD for ISOCALT® at the International Fair TIB-2004, October 2004, Bucharest. ISOCALT® 3/70/21 was awarded in a selection of 20 products by a commission of experts from the Polytechnic University of Bucharest. Upon some aspects of temperature measurements. (12th International Metrology Congress, 20-23 June 2005, Lyon, France)	F
2005	9	2	A new technique for temperature measurement and calibration. National Society of Measurements (NSM). Important warning for T-calibrator users: MSA has chose metrology well calibrators from Fluke (Hart Scientific).	F
2005	9	3	Universal representation of Cancer Diseases. 1. First sight on NSW-2003 report. Universal representation of Cancer Diseases. 2. UK cancer registrations on 1999-2002. Vital Potential can estimate our predisposition for cancer diseases.	F
2006	10	1	NTC – thermistors -1	AFI
2007	11	1	HuPoTest - 40 years of continuous research Basic rules for preventing and vanishing cancer diseases Climate change = change of mentality Hot nuclear fusion – a project of actual mentality	F
2007	11	2	MT – Introduction to Mental Technology HuPoTest – general procedure, assignments of results, specimen of complete test, order and obtain your complete HuPoTest report	F
2007	11	3	TRESISTOR© - data banks of materials with thermally driven electric and magnetic properties TRESISTOR© - NTC -1 - data bank of NTC thermistors	AFI
2008	12	1	Australian population: life, death and cancer	F
2008	12	2	Pattern of Cancer Diseases	F
2008	12	3	Adiabatic calorimetry – summary description of the demo prototype	F
2008	12	4	Flight QF 30 and even more… Temperature calibration of NTC-thermistors. 1.Preliminary results.	F
2009	13	1	Proposal for interlaboratory comparisons. Calibration of NTC-thermistors (The 14th International Metrology Congress, Paris, France, 22-25 June 2009).	F
2009	13	2	Sudoku – un algoritm de rezolvare. (Sudoku – an algorithm for solution).	AFI
2009	13	3	Cancer and Diabetes – as social diseases. (Open letter to all whom it may concern).	F
2010	14	1	Studies on cement hydration by High Resolution Mixing Calorimetry (HRMC).	F
2010	14	2	Measuring tools for subtle potentials; pas-LED: an efficient measuring tool for subtle potentials.	F
2010	14	3	Upon some features of cancer in Australia: 1982 – 2006.	F
2010	14	4	Cancer as an erosion process in human society.	F
2010	14	5	Cancer erosion in Australian human society: 1982 – 2006.	F
2010	14	6	Cancer erosion in German human society:1980-2008.	F
2011	15	1	Procedures and devices for energy and water saving. (I) (in Romanian).	F
2011	15	2	Structural and relativistic aspects in transforming systems. I. Arrhenius and Universal representations of thermally driven processes.	F
2011	15	3	Topoenergetic aspects of water structuring as revealed by ac electric conductivity.	F
2011	15	4	Topoenergetic aspects of human body	F
2011	15	5	HuPoTest: four month study of a case	F
2012	16	1	DTA study of water freezing. I. Upon some aspects of repeatability.	F
2012	16	2	DTA study of water freezing. II. Statistical features on one week of experiments.	F
2012	16	3	DTA study of water freezing. III. New facts on daily mental field.	F
2012	16	4	Mental field and state of health. Câmpul mental şi starea de sănătate.	F

2013	17	1	DTA study of water freezing. IV. New facts on energy circuits.	F
2013	17	2	DTA study of water freezing. V. Effect of a mental antenna	F
2013	17	3	AC electric conductivity of untreated and mentally treated electrolyte aqueous solutions.	F
2013	17	4	DTA study of water freezing. VI. Mental field in a working day.	F
2013	17	5	DTA study of water freezing. VII. More statistical features on one week of experiments.	F
2013	17	6	HuPoTest: New measurements and results	F
2013	17	7	Time as unique base quantity. (Proceedings of the 16th International Congress of Metrology, 7-10 October 2013, Paris, France).	F
2013	17	8	Eurovision song contest. 1.Basic social aspects	F
2013	17	9	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). I. ICFC description and preliminary results.	F
2013	17	10	1. Procedure for defining standard liquids for viscosity based on topoenergetic principles. 2. Topological aspects of flow and deformation in polymer composites, The VIII-th International Congress on Rheology, 1-5 September 1980, Naples, Italy, pp. 375-376. 3. Universal representation of flow behavior based on topoenergetic principles, The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp.369-376. 4. Comments on "Universal representation of flow behavior based on topoenergetic principles", The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp. 369-376. 5. Open letter to BRML and INM.	F
2014	18	1	Adiabatic calorimeter as high accuracy T-calibrator	F
2014	18	2	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). II. Effect of convection flow power.	F
2014	18	3	Eurovision song contest. II. Copenhagen, Denmark 2014 and some more features on social mentality.	F
2014	18	4	The 38th Congress of American-Romanian Academy (ARA) of Arts and Sciences, 23-27 July 2014, Pasadena, California, USA	F
2015	19	1	Gold versus money. 1. An overview on main financial figures of world countries.	F
2015	19	2	Gold versus money. 2. Rich, middle and poor countries.	F
2015	19	3	High Resolution Mixing Calorimetry (HRMC) redivivus. 1. General presentation and heat capacity measurements.	F
2015	19	4	High Resolution Mixing Calorimetry (HRMC) redivivus. 2. Structure developing of aqueous solutions by mixing experiments.	F
2015	19	5	High Resolution Mixing Calorimetry (HRMC) redivivus. 3. Calibration	F
2015	19	6	Evidence of human mental field by ac-electric conductivity in electrolyte solutions. 1. Bio-energy.	F
2015	19	7	High resolution mixing calorimetry redivivus.IV. Specific heat of crystalline phase of water. WPA2015: International Congress of World Psychiatric Association,Primary care mental health: innovation and transdisciplinarity, Bucharest, 24-27 June 2015, ROMANIA	F
2016	20	1	Quo vadis population growth on planet Earth: more details	F
2016	20	2	Structural aspects revealed by topoenergetic view on ac electric conductivity in HCl/(water + organic solvent)	F
2016	20	3	Stability of amorphous-crystalline coupling in electrolyte aqueous solutions in relation to interaction with bio-fields	F
2016	20	4	Efficient, simple and cheap outdoor extension of exhausting system using Bernoulli and thermal convection effects applied for air forced boilers on natural gas	F
2016	20	5	Good quality home made soap in high efficient conditions	F
2016	20	6	Interaction of quartz crystals with bio-fields. I. Preliminary experiments on commercial quartz oscillators.	F
2016	20	7	Interaction of quartz crystals with bio-fields. II. Differential measurements on pairs of commercial quartz oscillators.	F

2016	20	8	Interaction of quartz crystals with bio-fields. III. Quartz selection and their significances.	F
2016	20	9	HuPoTest – new attempt for self-evaluation and improvement of mental state	F
2017	21	1	Interaction of quartz crystals with bio-fields. IV. Rough estimation of reproducibility	F
2017	21	2	Interaction of quartz crystals with bio-fields. V. Closer look on quantitative estimations	F
2017	21	3	Interaction of quartz crystals with bio-fields. VI. Influence of Moon phases	F
2017	21	4	HuPoTest – 50 years of continuous research and attempts to make it as efficient self-evaluation and improving procedure for mental state HuPoTest – read this first Message to the organizers of the snn2016 Conference (http://snn2016.snn.ro/) and to all whom it may concern HuPoTest – an efficient test and training procedure for mental and health state (Abstract for World Congress of Mental Health, New Dehli, INDIA, November 2-5, 2017) Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. VII. Dielectrics with high oriented crystalline structure.	F

*) F=free, AFI=ask for invoice.

GDF DATABANKS BULLETIN, VOL. 21, NO. 5, 2017
Please feel free to distribute in integral form this issue.
All correspondence at the author:
gdf.dragan@gmail.com

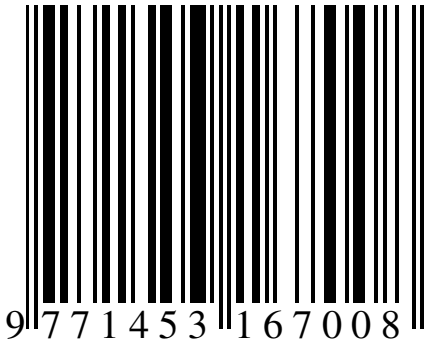
Any reproduction from
GDF DATABANKS BULLETIN
in other documents and/or publications
needs the written agreement of the author(s)

ERRATA:

VOL	NO	place	was written	must be
15	2	Figure 5	P+	P-
15	3	page 5, row 7 down-to-up	x=2	x=0.2

Readers are encouraged to advice author(s) any observation.

ISSN 1453-1674



www.gdfdatabanks.ro