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*****************************************************************************
*                                                                           *
*                    P R O G R A M     K O M I N                            *
*                                                                           *
*              1986-2010    wersja 6.10  z dnia:  06.02.2010               *
*  Opracowany wedlug Rozporzadzenia Ministra Srodowiska z dnia 26.01.2010 r.  *
* Autor: Jacek Iwanek - EkoSoft, tel: 022 8472255, e-mail:ekosoft@pro.onet.pl *
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*                                                                           *
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Data: 2023.7.17 21:21:17

Nazwa zbioru danych: dnchbpr
Nazwa zbioru wynikow: wnchbpr

Biogazownia Nowa Chelmza

ZANIECZYSZCZENIE : benzoapiren

Oznaczenia: H - formula HOLLANDA
C - formula CONCAWE

Emitor numer	Nazwa emitora	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	TO[K]	Q[MW]	FORM.	Emisja [g/s]	Smm [ug/m3]	Xmm [m]	stan row.	Ua [m/s]	CEMIS	EMISJA [t/rok]	AKTYWNY W PODOKRESIE
1	E1 Komin modul kogeneracyjny	610	580	9.0	0.30	24.77	453	282	0.2	H	2.4E-0009	0.000001	114	3	2	0.9589	0.0000	1 4
2	E2 Pochodnia awaryjna 1 (CHP)	590	530	10.4	1.27	3.91	1073	282	1.3	H	2.9E-0009	0.000000	85	4	7	0.0114	0.0000	2
3	E3 Awaryjny kociol grzewczy	580	585	10.0	0.30	7.55	373	282	0.0	H	8.9E-0010	0.000001	128	4	1	0.0285	0.0000	3
4	E4 Pochodnia awaryjna 2 (bio)	651	608	10.4	1.27	6.52	1073	282	2.2	H	4.8E-0009	0.000000	88	4	11	0.0285	0.0000	4

SZORSTKOSC z0[m] 0.04
WYSOKOSC ANEMOMETRU ha[m] 14
WYSOKOSC OBLICZEN Z[m] 0.00

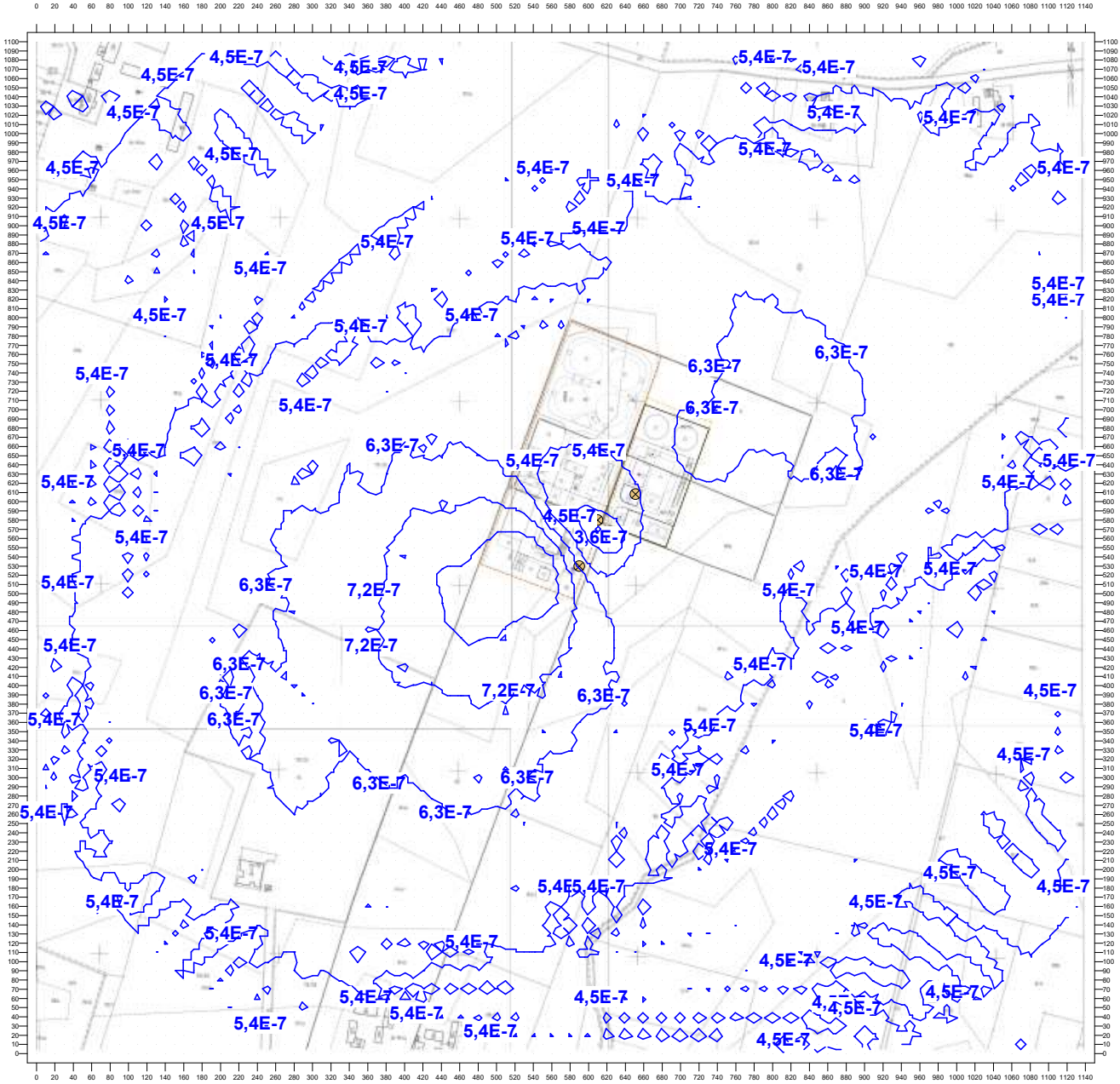
CZESTOSCI PRZEKROCZEN LICZONE DLA STEZEN PROGOWYCH [ug/m3]:
1: 1.20E-02

P O D O K R E S Y O B L I C Z E N I O W E

Nr	Nazwa	CEMIS	Roza wiatrow	Liczba emitorow aktywnych w podokresie	Emisja w podokresie [t]
1	kogenerator	0.9304	torun.r	1	0.0000
2	flara 1	0.0114	torun.r	1	0.0000
3	kociol aw.	0.0285	torun.r	1	0.0000
4	flara 2+CHP	0.0285	torun.r	2	0.0000
				EMISJA ROCZNA	0.0000 [t]

Program Rww (C)EkoSoft Użytkownik: BIOGAS NORD POLSKA Sp. z o.o.
Zbiór wyników: C:\KOMIN_10\WNCHBPR

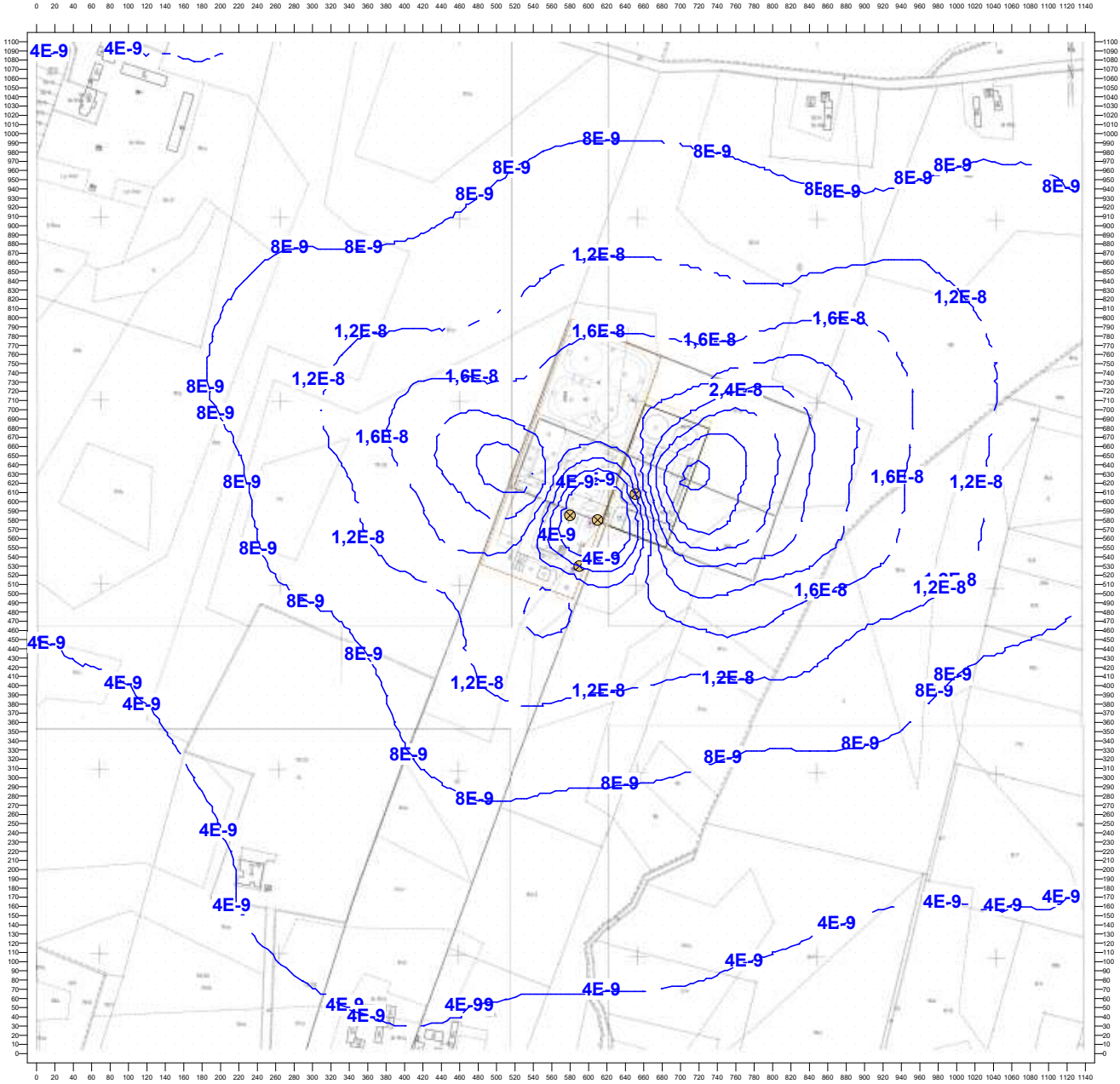
Biogazownia Nowa Chelmza
ZANIECZYSZCZENIE : benzoapiren SKALA 1:7 000
Drukowany parametr: STĘŻENIA MAKSYMALNE 1-godz. [ug/m3]
Liczba punktów w siatce: 6383 maksimum: 8,992E-7 w punkcie: x=530 y=530



Program Rww (C)EkoSoft
Zbiór wyników: C:\KOMIN_10\WNCHBPR

Użytkownik: BIOGAS NORD POLSKA Sp. z o.o.

Biogazownia Nowa Chelmza
ZANIECZYSZCZENIE : benzoapiren
SKALA 1:7 000
Drukowany parametr: STĘŻENIA ŚREDNIE ROCZNE [ug/m3]
Liczba punktów w siatce: 6383 maksimum: 3,69E-8 w punkcie: x=710 y=630



PROGRAM KOMIN (C) EkoSoft
Użytkownik: BIOGAS NORD POLSKA Sp. z o.o.

Biogazownia Nowa Chelmza

ZANIECZYSZCZENIE : benzoapiren

STEZENIA GAZOWE

X m	Y m	Sa ug/m3	Smax ug/m3	KL	Ua m/s	KAT st.	S99.8 ug/m3	S99.7 ug/m3	0.012P %	Udz. %	Nr
0	0	2.33E-09	5.0150E-07	6	3	46	2.0134E-07	1.7138E-07	0.0000	73	1
20	0	2.38E-09	5.0318E-07	6	3	46	2.0577E-07	1.6660E-07	0.0000	73	1
40	0	2.55E-09	4.6058E-07	5	2	46	2.1033E-07	2.1033E-07	0.0000	80	1
60	0	2.61E-09	5.0905E-07	6	4	44	2.1583E-07	2.1583E-07	0.0000	73	1
80	0	2.75E-09	4.6623E-07	5	2	44	2.3798E-07	2.2006E-07	0.0000	80	1
100	0	2.81E-09	5.1590E-07	6	4	42	2.4412E-07	2.2566E-07	0.0000	73	1
120	0	2.92E-09	4.7143E-07	5	2	42	2.4799E-07	2.2983E-07	0.0000	80	1
140	0	2.98E-09	5.2232E-07	6	4	40	2.5203E-07	2.3543E-07	0.0000	73	1
160	0	3.06E-09	5.2534E-07	6	4	38	2.5510E-07	2.4016E-07	0.0000	73	1
180	0	3.14E-09	4.7831E-07	5	2	38	2.5831E-07	2.4502E-07	0.0000	80	1
200	0	3.20E-09	5.3100E-07	6	4	36	2.6202E-07	2.5044E-07	0.0000	73	1
220	0	3.28E-09	4.8237E-07	5	2	34	2.6460E-07	2.5467E-07	0.0000	80	1
240	0	3.35E-09	4.8529E-07	5	2	32	2.6796E-07	2.5947E-07	0.0000	80	1
260	0	3.41E-09	5.3840E-07	6	4	32	2.7118E-07	2.6584E-07	0.0000	72	1
280	0	3.48E-09	4.9463E-07	5	3	32	2.7362E-07	2.6947E-07	0.0000	79	3
300	0	3.55E-09	4.9930E-07	5	3	30	2.7640E-07	2.7422E-07	0.0000	79	3
320	0	3.60E-09	5.0377E-07	5	3	28	2.7901E-07	2.7846E-07	0.0000	79	3
340	0	3.65E-09	4.5806E-07	5	3	26	2.8262E-07	2.8206E-07	0.0000	87	3
360	0	3.71E-09	5.1202E-07	5	3	26	2.8821E-07	2.8519E-07	0.0000	79	3
380	0	3.74E-09	5.1578E-07	5	3	24	2.9119E-07	2.8668E-07	0.0000	78	3
400	0	3.75E-09	5.1926E-07	5	3	22	2.9502E-07	2.8878E-07	0.0000	78	3
420	0	3.73E-09	5.2247E-07	5	3	20	2.9816E-07	2.9074E-07	0.0000	78	3
440	0	3.66E-09	4.7606E-07	5	3	18	2.9425E-07	2.6839E-07	0.0000	86	3
460	0	3.56E-09	4.7880E-07	5	3	16	2.9482E-07	2.4560E-07	0.0000	86	3
480	0	3.48E-09	4.8123E-07	5	3	14	2.9494E-07	2.4807E-07	0.0000	86	3
500	0	3.43E-09	4.8333E-07	5	3	12	2.9538E-07	2.4985E-07	0.0000	86	3
520	0	3.41E-09	4.8510E-07	5	3	10	2.9561E-07	2.5148E-07	0.0000	86	3
540	0	3.41E-09	4.8653E-07	5	3	8	2.9562E-07	2.5293E-07	0.0000	85	3
560	0	3.41E-09	4.8762E-07	5	3	6	2.9542E-07	2.5421E-07	0.0000	85	3
580	0	3.41E-09	4.8836E-07	5	3	4	2.9554E-07	2.5478E-07	0.0000	85	3
600	0	3.41E-09	4.8876E-07	5	3	2	2.9546E-07	2.5517E-07	0.0000	85	3
620	0	3.41E-09	5.3727E-07	5	3	2	2.9570E-07	2.5484E-07	0.0000	77	3
640	0	3.40E-09	4.8853E-07	5	3	360	2.9550E-07	2.5472E-07	0.0000	85	3
660	0	3.39E-09	4.8790E-07	5	3	358	2.9556E-07	2.5418E-07	0.0000	85	3
680	0	3.38E-09	4.8695E-07	5	3	356	2.9572E-07	2.5278E-07	0.0000	85	3
700	0	3.36E-09	4.8567E-07	5	3	354	2.9514E-07	2.5175E-07	0.0000	85	3
720	0	3.34E-09	4.8408E-07	5	3	352	2.9543E-07	2.5002E-07	0.0000	85	3
740	0	3.31E-09	4.8218E-07	5	3	350	2.9500E-07	2.4814E-07	0.0000	85	3
760	0	3.25E-09	4.7998E-07	5	3	348	2.9384E-07	2.4557E-07	0.0000	85	3
780	0	3.17E-09	4.7750E-07	5	3	346	2.9250E-07	2.4340E-07	0.0000	85	3
800	0	3.10E-09	4.7475E-07	5	3	344	2.8784E-07	2.4057E-07	0.0000	85	3
820	0	3.06E-09	4.7173E-07	5	3	342	2.8879E-07	2.3761E-07	0.0000	85	3
840	0	3.01E-09	4.6845E-07	5	3	340	2.8643E-07	2.3402E-07	0.0000	85	3
860	0	2.97E-09	3.9439E-07	6	1	334	2.7414E-07	2.3085E-07	0.0000	100	3
880	0	2.92E-09	4.6121E-07	5	3	338	2.7939E-07	2.2819E-07	0.0000	85	1
900	0	2.87E-09	4.5726E-07	5	3	336	2.7446E-07	2.2373E-07	0.0000	86	1
920	0	2.82E-09	4.5311E-07	5	3	334	2.7010E-07	2.1981E-07	0.0000	86	1
940	0	2.77E-09	4.4878E-07	5	3	332	2.6516E-07	2.1582E-07	0.0000	87	1
960	0	2.73E-09	3.8922E-07	6	2	328	2.6460E-07	2.1178E-07	0.0000	100	1
980	0	2.67E-09	4.3962E-07	5	3	330	2.5946E-07	2.0808E-07	0.0000	88	1
1000	0	2.63E-09	4.3482E-07	5	3	328	2.5485E-07	2.0311E-07	0.0000	89	1
1020	0	2.61E-09	4.2989E-07	5	3	326	2.4968E-07	1.9898E-07	0.0000	90	1
1040	0	2.55E-09	4.2514E-07	5	2	326	2.4495E-07	1.9483E-07	0.0000	90	1
1060	0	2.54E-09	4.2252E-07	5	2	324	2.3990E-07	1.9033E-07	0.0000	91	1
1080	0	2.56E-09	4.1983E-07	5	2	322	2.3471E-07	1.8637E-07	0.0000	91	1
1100	0	2.50E-09	4.1705E-07	5	2	322	2.2998E-07	1.8195E-07	0.0000	91	1
1120	0	2.55E-09	4.1420E-07	5	2	320	2.2479E-07	1.7800E-07	0.0000	91	1
1140	0	2.49E-09	4.1127E-07	5	2	320	2.2007E-07	1.7359E-07	0.0000	91	1
10	10	2.38E-09	5.0317E-07	6	3	46	2.0630E-07	1.6739E-07	0.0000	73	1
30	10	2.43E-09	5.0548E-07	6	4	46	2.1033E-07	1.6605E-07	0.0000	73	1
50	10	2.61E-09	4.6353E-07	5	2	46	2.1518E-07	2.1518E-07	0.0000	80	1
70	10	2.66E-09	5.1266E-07	6	4	44	2.2129E-07	2.2129E-07	0.0000	73	1
90	10	2.81E-09	4.6907E-07	5	2	44	2.4361E-07	2.2500E-07	0.0000	80	1
110	10	2.88E-09	5.1944E-07	6	4	42	2.4870E-07	2.3116E-07	0.0000	73	1
130	10	2.98E-09	4.7415E-07	5	2	42	2.5198E-07	2.3541E-07	0.0000	80	1
150	10	3.07E-09	4.7650E-07	5	2	40	2.5505E-07	2.4044E-07	0.0000	80	1
170	10	3.14E-09	5.2873E-07	6	4	38	2.5893E-07	2.4635E-07	0.0000	73	1
190	10	3.22E-09	4.8080E-07	5	2	38	2.6230E-07	2.5067E-07	0.0000	80	1
210	10	3.28E-09	5.3425E-07	6	4	36	2.6655E-07	2.5703E-07	0.0000	72	1
230	10	3.36E-09	4.8614E-07	5	2	34	2.6857E-07	2.6093E-07	0.0000	80	1
250	10	3.43E-09	4.9126E-07	5	3	34	2.7166E-07	2.6631E-07	0.0000	79	3
270	10	3.50E-09	4.9630E-07	5	3	32	2.7452E-07	2.7127E-07	0.0000	79	3
290	10	3.57E-09	5.0115E-07	5	3	32	2.7788E-07	2.7569E-07	0.0000	79	3
310	10	3.64E-09	5.0581E-07	5	3	30	2.8060E-07	2.8060E-07	0.0000	79	3
330	10	3.70E-09	5.1024E-07	5	3	28	2.8543E-07	2.8320E-07	0.0000	79	3
350	10	3.75E-09	5.1444E-07	5	3	26	2.8961E-07	2.8568E-07	0.0000	79	3
370	10	3.78E-09	4.6875E-07	5	3	24	2.9369E-07	2.8803E-07	0.0000	87	3

620	1100	6.00E-09	4.5699E-07	4	2	178	3.5112E-07	3.1731E-07	0.0000	96	3
640	1100	5.99E-09	4.5681E-07	4	2	180	3.5038E-07	3.1720E-07	0.0000	96	3
660	1100	5.98E-09	5.1067E-07	5	3	184	3.5074E-07	3.1758E-07	0.0000	85	3
680	1100	5.96E-09	5.0960E-07	5	3	186	3.4828E-07	3.1626E-07	0.0000	85	3
700	1100	5.93E-09	5.0827E-07	5	3	188	3.4642E-07	3.1559E-07	0.0000	85	3
720	1100	5.89E-09	5.0671E-07	5	3	190	3.4385E-07	3.1477E-07	0.0000	85	3
740	1100	5.83E-09	5.0491E-07	5	3	192	3.4112E-07	3.1269E-07	0.0000	85	3
760	1100	5.77E-09	5.0287E-07	5	3	194	3.3824E-07	3.1158E-07	0.0000	85	3
780	1100	5.69E-09	5.0060E-07	5	3	196	3.3466E-07	3.0977E-07	0.0000	85	3
800	1100	5.62E-09	4.9808E-07	5	3	198	3.3039E-07	3.0782E-07	0.0000	85	3
820	1100	5.54E-09	4.9533E-07	5	3	200	3.2600E-07	3.0572E-07	0.0000	85	3
840	1100	5.45E-09	5.3735E-07	5	3	202	3.2147E-07	3.0295E-07	0.0000	78	3
860	1100	5.36E-09	5.3453E-07	5	3	204	3.1682E-07	3.0086E-07	0.0000	78	3
880	1100	5.26E-09	4.8564E-07	5	3	206	3.1163E-07	2.9811E-07	0.0000	85	3
900	1100	5.17E-09	4.8193E-07	5	3	208	3.0610E-07	2.9488E-07	0.0000	85	3
920	1100	5.06E-09	5.2469E-07	5	3	208	3.0111E-07	2.9422E-07	0.0000	77	3
940	1100	4.97E-09	5.2094E-07	5	3	210	2.9551E-07	2.9551E-07	0.0000	77	3
960	1100	4.91E-09	5.1695E-07	5	3	212	2.9225E-07	2.8938E-07	0.0000	77	3
980	1100	4.88E-09	5.1274E-07	5	3	214	2.9115E-07	2.8376E-07	0.0000	77	3
1000	1100	4.77E-09	5.3821E-07	5	3	216	2.8990E-07	2.7750E-07	0.0000	73	1
1020	1100	4.78E-09	5.0366E-07	5	3	216	2.8654E-07	2.7174E-07	0.0000	77	1
1040	1100	4.87E-09	4.9882E-07	5	3	218	2.8145E-07	2.6594E-07	0.0000	78	1
1060	1100	4.75E-09	5.2253E-07	5	3	220	2.7655E-07	2.6009E-07	0.0000	74	1
1080	1100	4.93E-09	5.2043E-07	6	4	222	2.7130E-07	2.5405E-07	0.0000	74	1
1100	1100	5.19E-09	4.8323E-07	5	3	222	2.6734E-07	2.4788E-07	0.0000	80	1
1120	1100	5.07E-09	5.1642E-07	6	4	224	2.6152E-07	2.4239E-07	0.0000	74	1
1140	1100	5.36E-09	4.7210E-07	5	3	224	2.5563E-07	2.5563E-07	0.0000	81	1

Koniec obliczen 21:21:35 Data:2023.7.17

Roza: Dane: dnchbpr Wyniki: wnchbpr

MAKSIMUM STEZEN SREDNICH WYNOSI 0.000 ug/m3

710	630	0.000	0.000	4	11	248	0.000	0.000	0.00	95	3

MAKSIMUM STEZEN MAKS. 1-godz. WYNOSI 0.000 ug/m3

530	530	0.000	0.000	3	3	58	0.000	0.000	0.00	60	1

MAKSIMUM PERCENTYLA S99.8 WYNOSI 0.000 ug/m3

710	650	0.000	0.000	4	11	234	0.000	0.000	0.00	85	3

MAKSIMUM PERCENTYLA S99.7 WYNOSI 0.000 ug/m3

740	680	0.000	0.000	4	9	232	0.000	0.000	0.00	86	1

MAKSIMUM CZESTOSCI PRZEKROCZEN STEZENIA 1.20E-02 ug/m3 WYNOSI 0.00 %

0	0	0.000	0.000	0	0	0	0.000	0.000	0.00	0	0