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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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Data: 2023.7.17 22:35:53

Nazwa zbioru danych: dnchno2
Nazwa zbioru wynikow: wnchno2

Biogazownia Nowa Chelmza

ZANIECZYSZCZENIE : NO2

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	0.45100	108.489	114	3	2	0.9589	13.6382	1 4 5
2	E2 Pochodnia awaryjna 1 (CHP)	590	530	10.4	1.27	3.91	1073	282	1.3	H	0.14400	24.230	85	4	7	0.0114	0.0518	2
3	E3 Awaryjny kociol grzewczy	580	585	10.0	0.30	7.55	373	282	0.0	H	0.04444	29.921	128	4	1	0.0285	0.0400	3
4	E4 Pochodnia awaryjna 2 (bio)	651	608	10.4	1.27	6.52	1073	282	2.2	H	0.24000	24.284	88	4	11	0.0285	0.2160	4
5	E9 pojazdy e.zastepczy 1	315	20	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	91.350	0	6	1	0.1142	0.0001	5
6	E10 pojazdy e.zastepczy 2	340	100	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
7	E11 pojazdy e.zastepczy 3	375	185	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
8	E12 pojazdy e.zastepczy 4	410	275	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
9	E13 pojazdy e.zastepczy 5	440	365	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
10	E14 pojazdy e.zastepczy 6	470	460	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
11	E15 pojazdy e.zastepczy 7	530	495	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
12	E16 pojazdy e.zastepczy 8	550	540	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
13	E17 pojazdy e.zastepczy 9	530	585	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
14	E18 pojazdy e.zastepczy 10	570	625	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
15	E19 pojazdy e.zastepczy 11	600	680	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
16	E20 pojazdy e.zastepczy 12	570	740	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
17	E21 pojazdy e.zastepczy 13	630	775	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5
18	E22 pojazdy e.zastepczy 14	655	705	0.6	0.10	0.00	673	282	0.0	H	3.7E-0005	90.969	0	6	1	0.1142	0.0001	5

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: 200.000

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]

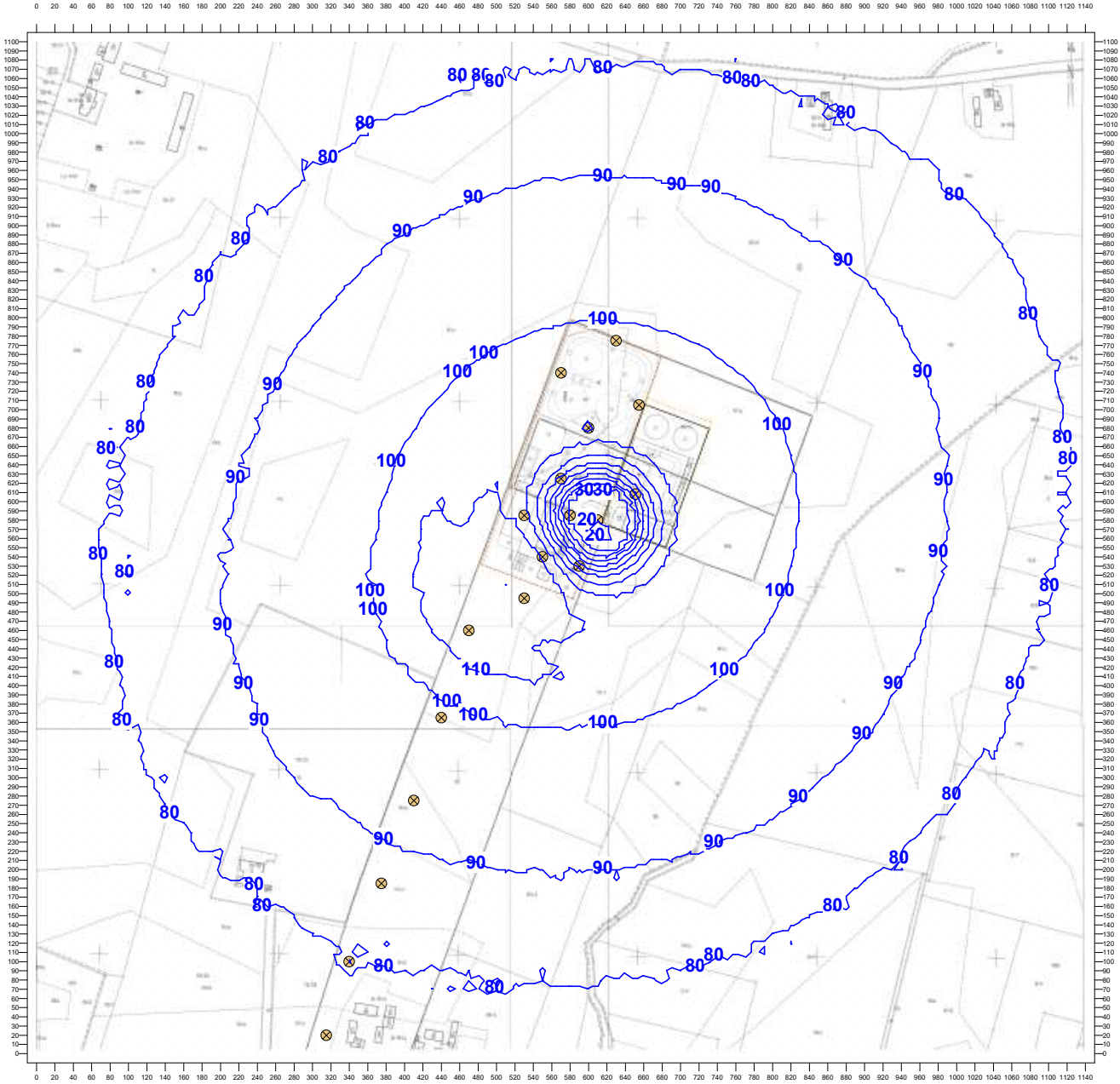
1	kogenerator	0.8162	torun.r	1	11.6087
2	flara 1	0.0114	torun.r	1	0.0518
3	kociol aw.	0.0285	torun.r	1	0.0400
4	flara 2+CHP	0.0285	torun.r	2	0.6219
5	CHP+pojazdy	0.1142	torun.r	15	1.6254
				EMISJA ROCZNA	13.9479 [t]

Program Rww (C)EkoSoft
Zbiór wyników: C:\KOMIN_10\WNCHNO2

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

Biogazownia Nowa Chelmza
ZANIECZYSZCZENIE : NO2
Drukowany parametr: STĘŻENIA MAKSYMALNE 1-godz. [ug/m3]
Liczba punktów w siatce: 6383 maksimum: 120 w punkcie: x=510 y=510

SKALA 1:7 000

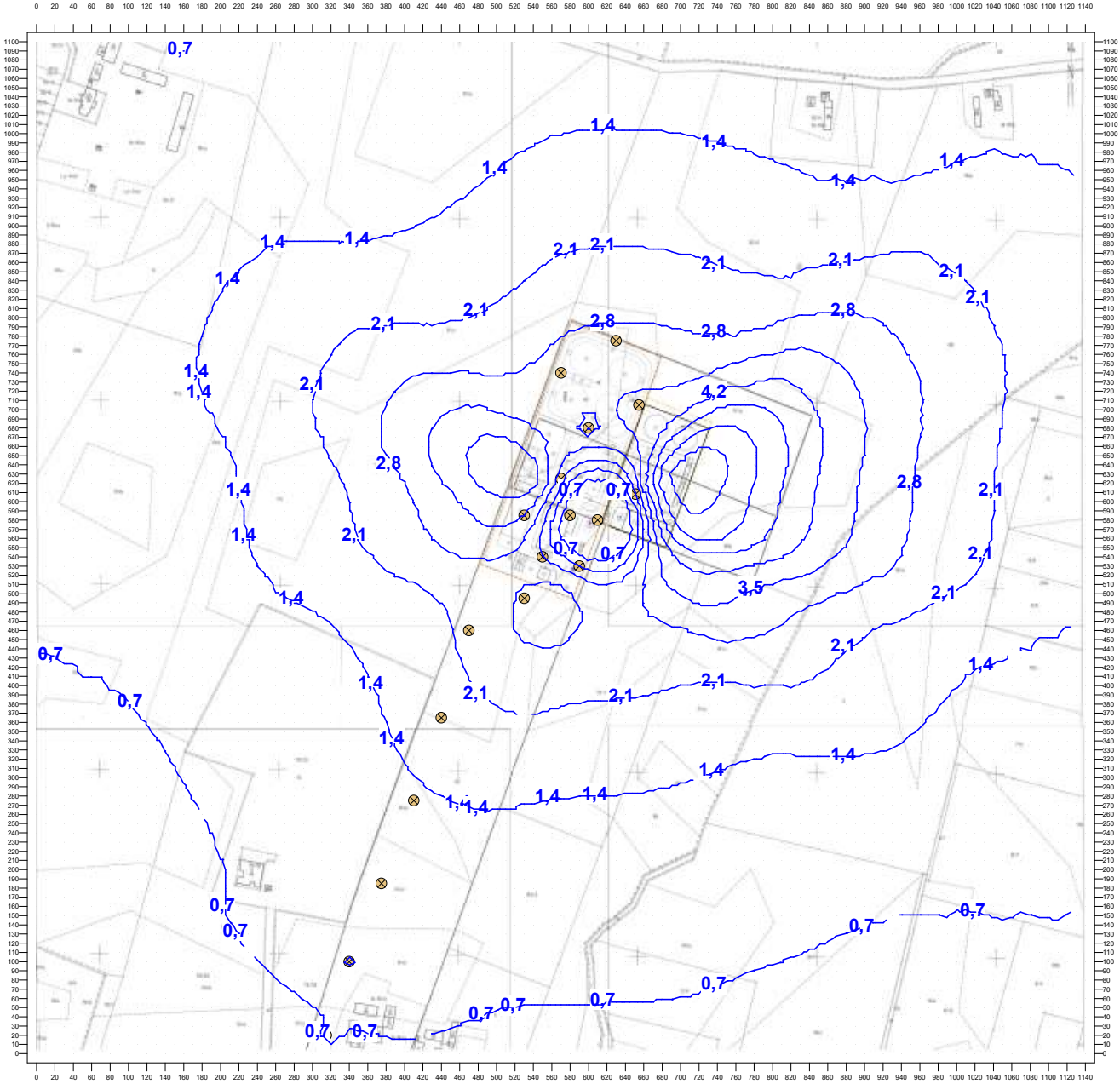


Program Rww (C)EkoSoft
Zbiór wyników: C:\KOMIN_10\WNCHNO2

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

Biogazownia Nowa Chelmza
ZANIECZYSZCZENIE : NO2
Drukowany parametr: STĘŻENIA ŚREDNIE ROCZNE [ug/m3]
Liczba punktów w siatce: 6383 maksimum: 6,788 w punkcie: x=710 y=630

SKALA 1:7 000



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

Biogazownia Nowa Chelmza

ZANIECZYSZCZENIE : NO2

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	200P %	Udz. %	Nr
0	0	0.419	71.302	6	2	46	37.754	32.113	0.0000	96	1
20	0	0.428	71.653	6	2	46	38.589	31.294	0.0000	97	1
40	0	0.460	70.966	6	2	44	39.488	31.133	0.0000	98	1
60	0	0.469	72.308	6	2	44	40.358	31.849	0.0000	97	1
80	0	0.496	71.694	6	2	42	44.701	41.281	0.0000	98	1
100	0	0.507	72.894	6	2	42	45.662	42.271	0.0000	97	1
120	0	0.526	72.341	6	2	40	46.586	43.138	0.0000	98	1
140	0	0.537	73.401	6	2	40	47.188	44.085	0.0000	98	1
160	0	0.552	73.624	6	2	38	47.880	45.054	0.0000	98	1
180	0	0.566	73.144	6	2	36	48.511	46.000	0.0000	99	1
200	0	0.578	74.004	6	2	36	49.079	46.907	0.0000	98	1
220	0	0.591	73.559	6	2	34	49.657	47.866	0.0000	99	1
240	0	0.604	73.730	6	2	32	50.248	48.792	0.0000	99	1
260	0	0.616	74.462	6	3	32	50.852	49.716	0.0000	98	1
280	0	0.629	74.000	6	2	30	51.439	50.619	0.0000	99	1
300	0	0.643	74.426	6	2	28	51.933	51.445	0.0000	99	1
320	0	0.654	74.179	6	2	26	52.478	52.314	0.0000	99	1
340	0	0.661	73.747	6	2	24	53.119	52.956	0.0000	100	1
360	0	0.670	74.276	6	2	24	53.865	53.378	0.0000	99	1
380	0	0.676	74.401	6	3	22	54.660	53.843	0.0000	99	1
400	0	0.677	74.745	6	3	20	55.325	54.179	0.0000	99	1
420	0	0.673	75.057	6	3	18	55.333	54.593	0.0000	98	1
440	0	0.660	73.908	6	2	16	55.317	45.657	0.0000	100	1
460	0	0.642	73.903	6	2	14	55.283	46.178	0.0000	100	1
480	0	0.627	73.891	6	2	12	55.360	46.581	0.0000	100	1
500	0	0.619	73.875	6	2	10	55.433	46.980	0.0000	100	1
520	0	0.615	73.858	6	2	8	55.502	47.295	0.0000	100	1
540	0	0.614	73.841	6	2	6	55.489	47.528	0.0000	100	1
560	0	0.614	73.827	6	2	4	55.558	47.679	0.0000	100	1
580	0	0.615	73.816	6	2	2	55.547	47.832	0.0000	100	1
600	0	0.615	73.810	6	2	360	55.539	47.907	0.0000	100	1
620	0	0.615	76.618	5	2	360	55.535	47.903	0.0000	96	1
640	0	0.614	73.814	6	2	358	55.541	47.871	0.0000	100	1
660	0	0.612	73.823	6	2	356	55.537	47.661	0.0000	100	1
680	0	0.609	73.836	6	2	354	55.463	47.505	0.0000	100	1
700	0	0.606	73.851	6	2	352	55.473	47.270	0.0000	100	1
720	0	0.602	73.866	6	2	350	55.403	46.954	0.0000	100	1
740	0	0.596	73.881	6	2	348	55.415	46.558	0.0000	100	1
760	0	0.585	73.891	6	2	346	55.019	46.161	0.0000	100	1
780	0	0.571	73.894	6	2	344	47.630	43.403	0.0000	100	1
800	0	0.559	73.889	6	2	342	45.194	38.285	0.0000	100	1
820	0	0.550	73.872	6	2	340	44.621	40.314	0.0000	100	1
840	0	0.543	73.840	6	2	338	43.961	39.736	0.0000	100	1
860	0	0.535	73.738	6	2	336	43.374	36.388	0.0000	100	1
880	0	0.525	73.726	6	2	336	42.665	38.447	0.0000	100	1
900	0	0.516	73.638	6	2	334	42.009	37.792	0.0000	100	1
920	0	0.507	73.529	6	2	332	41.230	37.099	0.0000	100	1
940	0	0.499	73.395	6	2	330	40.522	36.397	0.0000	100	1
960	0	0.491	73.156	6	2	328	39.722	33.828	0.0000	100	1
980	0	0.480	73.054	6	2	328	38.948	35.005	0.0000	100	1
1000	0	0.474	72.844	6	2	326	38.171	34.233	0.0000	100	1
1020	0	0.469	72.609	6	2	324	37.420	33.494	0.0000	100	1
1040	0	0.459	72.347	6	2	324	36.580	32.826	0.0000	100	1
1060	0	0.458	72.060	6	2	322	35.812	32.072	0.0000	100	1
1080	0	0.461	71.748	6	2	320	34.956	31.310	0.0000	100	1
1100	0	0.450	71.411	6	2	320	34.174	30.622	0.0000	100	1
1120	0	0.459	71.051	6	2	318	33.385	33.385	0.0000	100	1
1140	0	0.448	70.668	6	2	318	32.669	32.669	0.0000	100	1
10	10	0.428	71.648	6	2	46	38.557	31.327	0.0000	97	1
30	10	0.438	71.990	6	2	46	39.485	31.131	0.0000	97	1
50	10	0.470	71.347	6	2	44	40.386	31.913	0.0000	98	1
70	10	0.480	72.623	6	2	44	41.360	32.648	0.0000	97	1
90	10	0.507	72.048	6	2	42	45.694	42.259	0.0000	98	1
110	10	0.518	73.180	6	2	42	46.601	43.272	0.0000	97	1
130	10	0.538	72.663	6	2	40	47.253	44.194	0.0000	99	1
150	10	0.554	72.935	6	2	38	47.957	45.160	0.0000	99	1
170	10	0.565	73.859	6	2	38	48.618	46.131	0.0000	98	1
190	10	0.580	73.405	6	2	36	49.234	47.122	0.0000	99	1
210	10	0.592	74.197	6	2	36	49.820	48.044	0.0000	98	1
230	10	0.606	73.774	6	2	34	50.439	49.052	0.0000	99	1
250	10	0.620	73.921	6	2	32	51.044	49.989	0.0000	99	1
270	10	0.633	74.042	6	2	30	51.633	50.902	0.0000	99	1
290	10	0.647	74.139	6	2	30	52.125	51.800	0.0000	99	1
310	10	0.670	76.301	6	2	28	52.683	52.683	0.0000	96	1
330	10	0.674	74.264	6	2	26	53.548	53.213	0.0000	99	1
350	10	0.678	74.296	6	2	24	54.406	53.671	0.0000	99	1
370	10	0.684	73.883	6	2	22	55.165	54.102	0.0000	100	1

620	1100	1.084	76.731	5	2	182	65.942	57.495	0.0000	99	1
640	1100	1.083	76.650	5	2	184	65.835	57.395	0.0000	99	1
660	1100	1.081	78.101	5	2	186	65.681	57.250	0.0000	97	1
680	1100	1.077	77.875	5	2	188	65.378	56.959	0.0000	97	1
700	1100	1.072	77.582	5	2	190	65.018	56.709	0.0000	97	1
720	1100	1.064	77.224	5	2	192	64.603	56.239	0.0000	97	1
740	1100	1.054	76.802	5	2	194	64.050	55.810	0.0000	97	1
760	1100	1.041	76.318	5	2	196	63.530	55.674	0.0000	97	1
780	1100	1.028	75.776	5	2	198	62.795	55.659	0.0000	98	1
800	1100	1.014	75.178	5	2	200	62.099	55.680	0.0000	98	1
820	1100	0.999	74.528	5	2	202	61.278	55.655	0.0000	99	1
840	1100	0.984	76.286	5	2	204	60.420	55.583	0.0000	96	1
860	1100	0.967	75.678	6	3	206	59.495	55.551	0.0000	97	1
880	1100	0.949	73.880	6	2	208	58.522	55.525	0.0000	100	1
900	1100	0.933	73.914	6	2	210	57.537	55.424	0.0000	100	1
920	1100	0.912	74.362	6	3	210	56.507	55.287	0.0000	99	1
940	1100	0.896	74.050	6	2	212	55.459	55.132	0.0000	100	1
960	1100	0.885	74.021	6	2	214	54.412	54.331	0.0000	100	1
980	1100	0.880	73.960	6	2	216	53.250	53.250	0.0000	100	1
1000	1100	0.858	74.188	6	3	216	52.393	52.149	0.0000	99	1
1020	1100	0.862	73.742	6	2	218	51.657	51.004	0.0000	99	1
1040	1100	0.878	73.585	6	2	220	51.022	49.887	0.0000	99	1
1060	1100	0.855	73.701	6	2	220	50.266	48.809	0.0000	99	1
1080	1100	0.886	73.513	6	2	222	49.616	47.670	0.0000	99	1
1100	1100	0.934	72.927	6	2	224	49.974	46.578	0.0000	99	1
1120	1100	0.910	73.055	6	2	224	48.934	45.485	0.0000	99	1
1140	1100	0.966	72.344	6	2	226	47.975	47.493	0.0000	99	1

Koniec obliczen 22:36:23 Data:2023.7.17

Roza: Dane: dnchno2 Wyniki: wnchno2

MAKSIMUM STEZENIA SREDNICH WYNOSI 6.788 ug/m3

710	630	6.788	108.417	3	2	244	101.897	100.338	0.00	100	1

MAKSIMUM STEZENIA MAKS. 1-godz. WYNOSI 120.009 ug/m3

510	510	2.623	120.009	3	2	56	93.611	93.352	0.00	90	1

MAKSIMUM PERCENTYLA S99.8 WYNOSI 104.604 ug/m3

750	670	5.975	108.372	4	2	238	104.604	104.604	0.00	100	1

MAKSIMUM PERCENTYLA S99.7 WYNOSI 104.604 ug/m3

750	670	5.975	108.372	4	2	238	104.604	104.604	0.00	100	1

MAKSIMUM CZESTOSCI PRZEKROCZEN STEZENIA 200.000 ug/m3 WYNOSI 0.00 %

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