

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
1.5.2022 6:00	2.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
2.5.2022 6:00	3.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
3.5.2022 6:00	4.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
4.5.2022 6:00	5.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
5.5.2022 6:00	6.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
6.5.2022 6:00	7.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
7.5.2022 6:00	8.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
8.5.2022 6:00	9.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
9.5.2022 6:00	10.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
10.5.2022 6:00	11.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
11.5.2022 6:00	12.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
12.5.2022 6:00	13.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
13.5.2022 6:00	14.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
14.5.2022 6:00	15.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
15.5.2022 6:00	16.5.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
1.5.2022 6:00	2.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
2.5.2022 6:00	3.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
3.5.2022 6:00	4.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
4.5.2022 6:00	5.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
5.5.2022 6:00	6.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
6.5.2022 6:00	7.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
7.5.2022 6:00	8.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
8.5.2022 6:00	9.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
9.5.2022 6:00	10.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
10.5.2022 6:00	11.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
11.5.2022 6:00	12.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
12.5.2022 6:00	13.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
13.5.2022 6:00	14.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
14.5.2022 6:00	15.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
15.5.2022 6:00	16.5.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
1.5.2022 6:00	2.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
2.5.2022 6:00	3.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
3.5.2022 6:00	4.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
4.5.2022 6:00	5.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
5.5.2022 6:00	6.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
6.5.2022 6:00	7.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
7.5.2022 6:00	8.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
8.5.2022 6:00	9.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
9.5.2022 6:00	10.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
10.5.2022 6:00	11.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
11.5.2022 6:00	12.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
12.5.2022 6:00	13.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
13.5.2022 6:00	14.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
14.5.2022 6:00	15.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
15.5.2022 6:00	16.5.2022 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak

Kromatografska analiza plina za izlaz iz transportnog sustava Zaprešić - 6 bara - Zaprešić, je identična sa izlazom Zapad - 6 bara - Zagreb, a iz razloga jer obadva izlaza iz transportnog sustava preuzimaju plin iz istog plinovoda.
Podaci preuzeti sa web stranice transportnog operatora Plinacro.

Zadnja izmjena	N2 (mol %)	CO2 (mol %)	C1 (mol %)	C2 (mol %)	C3 (mol %)	C3+ (mol %)	n-C4 (mol %)	i-C4 (mol %)	n-C5 (mol %)	i-C5 (mol %)	neo-C5 (mol %)	C6 (mol %)	C6+ (mol %)	C7 (mol %)
2.5.2022 10:10	0,041	0,015	93,617	6,097	0,2	0,23	0,016	0,011	0,001	0,002	0	-	0,001	-
3.5.2022 7:55	0,108	0	95,952	3,79	0,132	0,15	0,009	0,007	0,001	0,001	0	-	0,001	-
4.5.2022 7:55	0,152	0	96,829	2,892	0,11	0,127	0,007	0,006	0,001	0,001	0	-	0,001	-
5.5.2022 7:55	0,17	0	97,123	2,588	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
6.5.2022 7:55	0,166	0	97,137	2,578	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
7.5.2022 7:55	0,166	0	97,142	2,574	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
8.5.2022 7:55	0,21	0,042	96,931	2,61	0,165	0,208	0,017	0,017	0,002	0,004	0	-	0,004	-
9.5.2022 7:55	0,298	0,111	96,584	2,65	0,269	0,357	0,034	0,035	0,005	0,007	0	-	0,007	-
10.5.2022 7:55	0,157	0,005	97,185	2,526	0,108	0,127	0,007	0,007	0,001	0,002	0	-	0,002	-
11.5.2022 7:55	0,145	0	97,21	2,527	0,102	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
12.5.2022 7:55	0,137	0	97,207	2,537	0,102	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
13.5.2022 7:55	0,127	0	97,206	2,548	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
14.5.2022 7:55	0,117	0	97,203	2,56	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
15.5.2022 7:55	0,278	0,15	96,462	2,727	0,283	0,382	0,037	0,039	0,005	0,008	0,001	-	0,009	-
16.5.2022 7:55	0,493	0,373	95,379	3,02	0,526	0,735	0,079	0,081	0,012	0,017	0,001	-	0,019	-
2.5.2022 10:10	0,354	0,279	94,324	4,527	0,38	0,516	0,052	0,051	0,008	0,011	0,001	-	0,013	-
3.5.2022 7:55	0,101	0,001	95,722	4,02	0,137	0,156	0,009	0,007	0,001	0,001	0	-	0	-
4.5.2022 7:55	0,149	0	96,788	2,936	0,111	0,127	0,007	0,006	0,001	0,001	0	-	0,001	-
5.5.2022 7:55	0,17	0	97,115	2,596	0,103	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
6.5.2022 7:55	0,166	0	97,142	2,574	0,103	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
7.5.2022 7:55	0,169	0	97,144	2,569	0,102	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
8.5.2022 7:55	0,505	0,264	95,832	2,73	0,485	0,669	0,071	0,073	0,011	0,015	0,001	-	0,014	-
9.5.2022 7:55	0,669	0,396	95,17	2,811	0,684	0,955	0,105	0,107	0,016	0,022	0,001	-	0,02	-
10.5.2022 7:55	0,213	0,049	96,971	2,556	0,167	0,212	0,017	0,018	0,003	0,004	0	-	0,003	-
11.5.2022 7:55	0,146	0	97,215	2,521	0,102	0,117	0,006	0,006	0,001	0,001	0	-	0,001	-
12.5.2022 7:55	0,14	0	97,215	2,528	0,102	0,117	0,006	0,006	0,001	0,001	0	-	0,001	-
13.5.2022 7:55	0,129	0	97,213	2,54	0,103	0,118	0,006	0,006	0,001	0,001	0	-	0,001	-
14.5.2022 7:55	0,121	0	97,209	2,551	0,103	0,119	0,006	0,006	0,001	0,001	0	-	0,001	-
15.5.2022 7:55	0,567	0,432	95,172	3,017	0,576	0,812	0,089	0,092	0,014	0,019	0,001	-	0,02	-
16.5.2022 7:55	0,639	0,508	94,7	3,18	0,692	0,974	0,108	0,11	0,016	0,023	0,002	-	0,023	-
2.5.2022 10:10	0,197	0,138	93,913	5,384	0,297	0,368	0,028	0,03	0,004	0,006	0	0,004	-	0
3.5.2022 7:55	0,095	0	95,572	4,177	0,145	0,156	0,008	0	0,001	0,001	0	0	-	0
4.5.2022 7:55	0,149	0	96,776	2,952	0,115	0,124	0,006	0	0,001	0,001	0	0	-	0
5.5.2022 7:55	0,171	0	97,088	2,625	0,107	0,115	0,006	0	0,001	0,001	0	0	-	0
6.5.2022 7:55	0,163	0	97,135	2,587	0,106	0,115	0,006	0	0,001	0,001	0	0	-	0
7.5.2022 7:55	0,169	0	97,138	2,578	0,106	0,115	0,006	0	0,001	0,001	0	0	-	0
8.5.2022 7:55	0,161	0	97,132	2,591	0,107	0,116	0,006	0	0,001	0,001	0	0	-	0
9.5.2022 7:55	0,324	0,127	96,505	2,663	0,294	0,381	0,031	0,038	0,006	0,008	0	0,005	-	0
10.5.2022 7:55	0,182	0,022	97,092	2,545	0,138	0,16	0,01	0,007	0,002	0,003	0	0,001	-	0
11.5.2022 7:55	0,147	0	97,212	2,528	0,105	0,113	0,005	0	0,001	0,001	0	0	-	0
12.5.2022 7:55	0,14	0	97,21	2,537	0,105	0,113	0,005	0	0,001	0,001	0	0	-	0
13.5.2022 7:55	0,13	0	97,21	2,546	0,106	0,114	0,005	0	0,001	0,001	0	0	-	0
14.5.2022 7:55	0,12	0	97,207	2,559	0,106	0,114	0,005	0	0,001	0,001	0	0	-	0
15.5.2022 7:55	0,208	0,082	96,788	2,652	0,214	0,269	0,02	0,023	0,004	0,005	0	0,003	-	0
16.5.2022 7:55	0,399	0,291	95,827	2,92	0,419	0,564	0,048	0,064	0,009	0,013	0	0,01	-	0,001

C8 (mol %)	C9+ (mol %)	NCV (kWh/m3) @15/15	NCV (MJ/m3) @15/15	NCV (kWh/m3) @25/0	NCV (MJ/m3) @25/0	GCV (kWh/m3) @15/15	GCV (MJ/m3) @15/15	GCV (kWh/m3) @25/0	GCV (MJ/m3) @25/0	Wd(kWh/m3) @15/15	Wd(Mj/m3) @15/15	Wd(kWh/m3) @25/0
-	-	9,931699	35,754	10,480663	37,73	11,012011	39,643	11,61005	41,796	12,96	46,657	13,675
-	-	9,742496	35,073	10,280807	37,011	10,809135	38,913	11,395877	41,025	12,845	46,243	13,553
-	-	9,668921	34,808	10,203096	36,731	10,730158	38,629	11,312509	40,725	12,797	46,07	13,502
-	-	9,643547	34,717	10,176296	36,635	10,702911	38,53	11,283748	40,621	12,78	46,009	13,485
-	-	9,643165	34,715	10,175893	36,633	10,702517	38,529	11,28333	40,62	12,78	46,01	13,485
-	-	9,64287	34,714	10,17558	36,632	10,702201	38,528	11,282998	40,619	12,78	46,009	13,485
-	-	9,653278	34,752	10,186589	36,672	10,713041	38,567	11,294458	40,66	12,774	45,985	13,478
-	-	9,667813	34,804	10,201963	36,727	10,728046	38,621	11,31033	40,717	12,76	45,935	13,463
-	-	9,641314	34,709	10,173938	36,626	10,700552	38,522	11,31033	40,717	12,78	46,006	13,484
-	-	9,641234	34,708	10,173851	36,626	10,700525	38,522	11,281226	40,612	12,782	46,014	13,486
-	-	9,642834	34,714	10,17554	36,632	10,702269	38,528	11,283065	40,619	12,784	46,021	13,488
-	-	9,64467	34,721	10,177479	36,639	10,704274	38,535	11,28518	40,627	12,786	46,029	13,49
-	-	9,646559	34,728	10,179474	36,646	10,706334	38,543	11,287354	40,634	12,788	46,037	13,493
-	-	9,67676	34,836	10,211419	36,761	10,737552	38,655	11,320373	40,753	12,76	45,936	13,463
-	-	9,719888	34,992	10,257041	36,925	10,78218	38,816	11,367575	40,923	12,722	45,799	13,423
-	-	9,814764	35,333	10,357223	37,286	10,884657	39,185	11,475712	41,313	12,81	46,118	13,517
-	-	9,760907	35,139	10,300255	37,081	10,828882	38,984	11,416723	41,1	12,857	46,284	13,565
-	-	9,672368	34,821	10,206736	36,744	10,733861	38,642	11,316416	40,739	12,799	46,078	13,505
-	-	9,643883	34,718	10,176651	36,636	10,70327	38,532	11,284125	40,623	12,78	46,009	13,485
-	-	9,642652	34,714	10,17535	36,631	10,701968	38,527	11,282751	40,618	12,78	46,009	13,484
-	-	9,641894	34,711	10,17455	36,628	10,701143	38,524	11,281881	40,615	12,779	46,006	13,484
-	-	9,695032	34,902	10,230767	36,831	10,755885	38,721	11,339791	40,823	12,724	45,808	13,426
-	-	9,723024	35,003	10,260378	36,937	10,784826	38,825	11,370402	40,933	12,7	45,718	13,4
-	-	9,723024	35,003	10,260378	36,937	10,708193	38,549	11,289342	40,642	12,7	45,718	13,474
-	-	9,64039	34,705	10,17296	36,623	10,699617	38,519	11,280266	40,609	12,781	46,012	13,485
-	-	9,64158	34,71	10,174216	36,627	10,700917	38,523	11,281638	40,614	12,783	46,017	13,487
-	-	9,643589	34,717	10,176337	36,635	10,703109	38,531	11,28395	40,622	12,785	46,026	13,49
-	-	9,645267	34,723	10,178108	36,641	10,704934	38,538	11,285877	40,629	12,787	46,033	13,492
-	-	9,721128	34,996	10,25837	36,93	10,783011	38,819	11,368478	40,927	12,704	45,733	13,404
-	-	9,746886	35,089	10,285599	37,028	10,810082	38,916	11,397087	41,03	12,698	45,712	13,398
0	0	9,876973	35,557	10,422761	37,522	10,952264	39,428	11,546998	41,569	12,889	46,4	13,599
0	0	9,773314	35,184	10,313229	37,128	10,84208	39,031	11,430637	41,15	12,865	46,313	13,574
0	0	9,672551	34,821	10,206807	36,745	10,733931	38,642	11,316492	40,739	12,8	46,079	13,505
0	0	9,645072	34,722	10,177785	36,64	10,704411	38,536	11,285335	40,627	12,781	46,012	13,485
0	0	9,642806	34,714	10,175391	36,631	10,70201	38,527	11,2828	40,618	12,781	46,01	13,485
0	0	9,641588	34,71	10,174105	36,627	10,700683	38,522	11,281401	40,613	12,779	46,005	13,483
0	0	9,643581	34,717	10,176209	36,634	10,702849	38,53	11,283686	40,621	12,781	46,013	13,486
0	0	9,667433	34,803	10,201444	36,725	10,727355	38,618	11,309609	40,715	12,754	45,913	13,456
0	0	9,64371	34,717	10,176352	36,635	10,702835	38,53	11,283679	40,621	12,775	45,99	13,479
0	0	9,639661	34,703	10,172068	36,619	10,698702	38,515	11,279307	40,606	12,781	46,01	13,485
0	0	9,641128	34,708	10,173617	36,625	10,700302	38,521	11,280995	40,612	12,782	46,016	13,487
0	0	9,642796	34,714	10,175378	36,631	10,702124	38,528	11,282917	40,618	12,784	46,024	13,489
0	0	9,644806	34,721	10,1775	36,639	10,704315	38,536	11,285228	40,627	12,787	46,032	13,491
0	0	9,66268	34,786	10,196403	36,707	10,722848	38,602	11,304823	40,697	12,772	45,98	13,476
0	0	9,696681	34,908	10,232374	36,837	10,757828	38,728	11,341825	40,831	12,733	45,84	13,435

Wd(Mj/m3) @25/0	Wg(kWh/m3) @15/15	Wg(Mj/m3) @15/15	Wg(kWh/m3) @25/0	Wg(Mj/m3) @25/0	ρ (kg/m3) @15	ρ (kg/m3) @0	d@15	d@0	M kg/kmol	R J/kgK	MN (metansk i broj)
49,228	14,37	51,732	15,148	54,533	0,72	0,7595	0,5873	0,5874	16,977	489,757	82,652
48,791	14,251	51,305	15,023	54,083	0,705	0,744	0,5753	0,5754	16,632	499,9	87,687
48,609	14,202	51,126	14,971	53,894	0,7	0,7383	0,5709	0,571	16,505	503,747	89,892
48,544	14,184	51,063	14,952	53,827	0,698	0,7363	0,5694	0,5695	16,463	505,051	90,701
48,545	14,184	51,064	14,952	53,828	0,698	0,7363	0,5693	0,5695	16,461	505,108	90,727
48,545	14,184	51,063	14,952	53,828	0,698	0,7362	0,5693	0,5694	16,46	505,128	90,739
48,52	14,176	51,034	14,943	53,796	0,7	0,7386	0,5711	0,5713	16,512	503,547	90,099
48,466	14,159	50,972	14,925	53,732	0,704	0,7425	0,5741	0,5742	16,598	500,934	88,994
48,542	14,184	51,061	14,925	53,732	0,704	0,7425	0,5692	0,5693	16,457	505,234	90,804
48,55	14,186	51,07	14,954	53,834	0,697	0,7358	0,569	0,5691	16,451	505,411	90,865
48,557	14,188	51,077	14,956	53,842	0,697	0,7359	0,569	0,5691	16,452	505,395	90,84
48,566	14,191	51,086	14,959	53,851	0,697	0,7359	0,569	0,5692	16,452	505,378	90,808
48,574	14,193	51,095	14,961	53,861	0,697	0,7359	0,569	0,5692	16,453	505,358	90,776
48,468	14,159	50,972	14,925	53,731	0,705	0,7438	0,5751	0,5753	16,629	500,092	88,772
48,323	14,112	50,804	14,876	53,555	0,715	0,755	0,5838	0,5839	16,877	492,684	86,229
48,66	14,207	51,145	14,976	53,915	0,719	0,7591	0,587	0,5872	16,97	489,965	84,245
48,835	14,263	51,348	15,036	54,128	0,706	0,7454	0,5764	0,5766	16,665	498,918	87,197
48,618	14,204	51,135	14,973	53,903	0,7	0,7385	0,5711	0,5712	16,511	503,571	89,783
48,545	14,184	51,063	14,952	53,828	0,698	0,7364	0,5694	0,5695	16,463	505,027	90,688
48,544	14,184	51,063	14,952	53,827	0,698	0,7362	0,5693	0,5694	16,46	505,14	90,747
48,541	14,183	51,06	14,951	53,824	0,698	0,7362	0,5693	0,5694	16,459	505,154	90,761
48,333	14,117	50,821	14,881	53,572	0,711	0,7508	0,5806	0,5807	16,785	495,516	87,346
48,238	14,086	50,711	14,849	53,457	0,718	0,7581	0,5862	0,5863	16,947	490,62	85,594
48,506	14,086	50,711	14,849	53,457	0,718	0,7581	0,5709	0,5711	16,507	503,7	90,284
48,547	14,185	51,067	14,953	53,832	0,697	0,7358	0,5689	0,5691	16,45	505,448	90,892
48,553	14,187	51,073	14,955	53,838	0,697	0,7358	0,5689	0,5691	16,45	505,442	90,873
48,562	14,19	51,083	14,958	53,848	0,697	0,7358	0,569	0,5691	16,451	505,422	90,839
48,569	14,192	51,09	14,96	53,856	0,697	0,7358	0,569	0,5691	16,451	505,396	90,808
48,254	14,091	50,729	14,854	53,476	0,718	0,7573	0,5856	0,5858	16,928	491,224	85,946
48,231	14,083	50,698	14,845	53,443	0,722	0,762	0,5892	0,5894	17,035	488,101	84,778
48,958	14,292	51,452	15,066	54,238	0,72	0,7595	0,5872	0,5874	16,976	489,772	83,138
48,865	14,272	51,378	15,044	54,16	0,707	0,7464	0,5771	0,5773	16,686	498,32	86,959
48,618	14,204	51,135	14,973	53,903	0,7	0,7385	0,5711	0,5712	16,511	503,571	89,794
48,547	14,185	51,065	14,953	53,83	0,698	0,7365	0,5695	0,5696	16,466	504,962	90,665
48,545	14,184	51,064	14,952	53,828	0,698	0,7362	0,5693	0,5694	16,459	505,16	90,769
48,54	14,183	51,058	14,951	53,822	0,698	0,7362	0,5692	0,5694	16,459	505,196	90,791
48,548	14,185	51,067	14,953	53,831	0,698	0,7362	0,5693	0,5694	16,46	505,138	90,749
48,442	14,152	50,947	14,918	53,705	0,704	0,7431	0,5746	0,5747	16,613	500,487	88,724
48,524	14,178	51,041	14,946	53,804	0,698	0,737	0,5699	0,57	16,477	504,635	90,496
48,545	14,185	51,065	14,953	53,829	0,697	0,7357	0,5689	0,569	16,448	505,492	90,936
48,552	14,187	51,072	14,955	53,837	0,697	0,7357	0,5689	0,569	16,449	505,477	90,911
48,56	14,189	51,08	14,957	53,845	0,697	0,7357	0,5689	0,5691	16,449	505,468	90,886
48,569	14,191	51,089	14,96	53,855	0,697	0,7358	0,5689	0,5691	16,45	505,459	90,851
48,513	14,174	51,025	14,941	53,787	0,701	0,7402	0,5724	0,5725	16,548	502,461	89,415
48,366	14,127	50,857	14,892	53,61	0,711	0,75	0,5799	0,5801	16,766	495,928	87,152