

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
16.8.2021 6:00	17.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
17.8.2021 6:00	18.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
18.8.2021 6:00	19.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
19.8.2021 6:00	20.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
20.8.2021 6:00	21.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
21.8.2021 6:00	22.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
22.8.2021 6:00	23.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
23.8.2021 6:00	24.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
24.8.2021 6:00	25.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
25.8.2021 6:00	26.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
26.8.2021 6:00	27.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
27.8.2021 6:00	28.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
28.8.2021 6:00	29.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
29.8.2021 6:00	30.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
30.8.2021 6:00	31.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
31.8.2021 6:00	1.9.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
16.8.2021 6:00	17.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
17.8.2021 6:00	18.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
18.8.2021 6:00	19.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
19.8.2021 6:00	20.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
20.8.2021 6:00	21.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
21.8.2021 6:00	22.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
22.8.2021 6:00	23.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
23.8.2021 6:00	24.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
24.8.2021 6:00	25.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
25.8.2021 6:00	26.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
26.8.2021 6:00	27.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
27.8.2021 6:00	28.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
28.8.2021 6:00	29.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
29.8.2021 6:00	30.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
30.8.2021 6:00	31.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
31.8.2021 6:00	1.9.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
16.8.2021 6:00	17.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
17.8.2021 6:00	18.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
18.8.2021 6:00	19.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
19.8.2021 6:00	20.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
20.8.2021 6:00	21.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
21.8.2021 6:00	22.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
22.8.2021 6:00	23.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
23.8.2021 6:00	24.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
24.8.2021 6:00	25.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
25.8.2021 6:00	26.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
26.8.2021 6:00	27.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
27.8.2021 6:00	28.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
28.8.2021 6:00	29.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
29.8.2021 6:00	30.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
30.8.2021 6:00	31.8.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
31.8.2021 6:00	1.9.2021 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 %)
1.9.2021 10:07	0,2	0,068	96,778	2,716	0,179	0,239	0,024	0,022	0,003	0,005	0	-	0,005	-
1.9.2021 10:07	0,193	0,07	96,757	2,736	0,183	0,244	0,024	0,022	0,003	0,005	0	-	0,005	-
1.9.2021 10:07	0,326	0,205	96,171	2,861	0,321	0,438	0,047	0,041	0,007	0,01	0,001	-	0,012	-
1.9.2021 10:07	0,367	0,24	96,068	2,836	0,356	0,489	0,053	0,045	0,008	0,011	0,001	-	0,014	-
1.9.2021 10:07	0,385	0,259	96,017	2,833	0,367	0,506	0,055	0,047	0,009	0,012	0,001	-	0,015	-
1.9.2021 10:07	0,477	0,343	95,74	2,85	0,426	0,591	0,066	0,054	0,011	0,014	0,001	-	0,019	-
1.9.2021 10:07	0,497	0,351	95,769	2,796	0,422	0,587	0,065	0,053	0,011	0,014	0,001	-	0,02	-
1.9.2021 10:07	0,438	0,302	95,976	2,766	0,374	0,518	0,057	0,046	0,01	0,013	0,001	-	0,017	-
1.9.2021 10:07	0,456	0,312	95,98	2,731	0,377	0,521	0,058	0,046	0,01	0,013	0,001	-	0,017	-
1.9.2021 10:07	0,379	0,255	96,187	2,724	0,331	0,456	0,05	0,04	0,008	0,011	0,001	-	0,014	-
1.9.2021 10:07	0,498	0,374	95,721	2,799	0,437	0,608	0,068	0,054	0,012	0,015	0,001	-	0,02	-
1.9.2021 10:07	0,368	0,276	96,1	2,79	0,336	0,467	0,052	0,043	0,009	0,012	0,001	-	0,015	-
1.9.2021 10:07	0,405	0,278	95,706	3,14	0,338	0,47	0,052	0,044	0,009	0,012	0,001	-	0,015	-
1.9.2021 10:07	0,524	0,265	93,915	4,915	0,273	0,381	0,042	0,036	0,007	0,01	0,001	-	0,013	-
1.9.2021 10:07	0,423	0,094	93,633	5,692	0,118	0,158	0,016	0,013	0,003	0,004	0	-	0,005	-
1.9.2021 10:07	0,415	0,089	93,649	5,693	0,116	0,154	0,015	0,013	0,003	0,003	0	-	0,004	-
1.9.2021 10:07	0,735	0,537	94,671	3,024	0,742	1,033	0,114	0,106	0,018	0,024	0,002	-	0,027	-
1.9.2021 10:07	0,773	0,594	94,443	3,105	0,779	1,085	0,121	0,109	0,02	0,025	0,002	-	0,028	-
1.9.2021 10:07	0,893	0,743	93,835	3,3	0,882	1,229	0,14	0,117	0,024	0,03	0,002	-	0,035	-
1.9.2021 10:07	0,878	0,719	93,978	3,237	0,852	1,188	0,134	0,114	0,023	0,029	0,002	-	0,034	-
1.9.2021 10:07	0,897	0,729	94,05	3,161	0,833	1,163	0,132	0,11	0,023	0,029	0,002	-	0,034	-
1.9.2021 10:07	0,906	0,726	94,271	3,02	0,768	1,078	0,123	0,101	0,022	0,027	0,002	-	0,034	-
1.9.2021 10:07	0,928	0,714	94,411	2,896	0,75	1,051	0,121	0,097	0,022	0,027	0,002	-	0,033	-
1.9.2021 10:07	0,959	0,729	94,396	2,862	0,753	1,054	0,121	0,096	0,022	0,027	0,002	-	0,033	-
1.9.2021 10:07	0,958	0,743	94,364	2,875	0,757	1,06	0,122	0,096	0,022	0,028	0,002	-	0,033	-
1.9.2021 10:07	0,941	0,737	94,368	2,882	0,765	1,072	0,123	0,098	0,022	0,028	0,002	-	0,033	-
1.9.2021 10:07	0,918	0,759	94,303	2,95	0,759	1,069	0,123	0,099	0,023	0,029	0,001	-	0,035	-
1.9.2021 10:07	0,867	0,7	94,565	2,883	0,697	0,985	0,113	0,094	0,021	0,026	0,002	-	0,032	-
1.9.2021 10:07	0,861	0,697	94,532	2,919	0,701	0,99	0,113	0,096	0,021	0,026	0,002	-	0,032	-
1.9.2021 10:07	0,849	0,706	94,515	2,965	0,68	0,965	0,11	0,094	0,02	0,025	0,002	-	0,033	-
1.9.2021 10:07	0,862	0,705	94,476	2,96	0,704	0,997	0,115	0,097	0,021	0,026	0,002	-	0,032	-
1.9.2021 10:07	0,86	0,711	94,312	3,066	0,745	1,052	0,121	0,103	0,022	0,027	0,002	-	0,033	-
1.9.2021 10:07	0,199	0,068	96,79	2,705	0,184	0,238	0,019	0,022	0,004	0,005	0	0,003	-	0
1.9.2021 10:07	0,181	0,06	96,819	2,716	0,175	0,225	0,018	0,02	0,003	0,005	0	0,003	-	0
1.9.2021 10:07	0,11	0,007	97,055	2,69	0,111	0,137	0,01	0,01	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,106	0	97,163	2,604	0,103	0,126	0,01	0,009	0,001	0,003	0	0,001	-	0
1.9.2021 10:07	0,1	0	97,157	2,616	0,104	0,127	0,01	0,009	0,001	0,003	0	0,001	-	0
1.9.2021 10:07	0,09	0	97,145	2,637	0,104	0,128	0,01	0,009	0,001	0,003	0	0,001	-	0
1.9.2021 10:07	0,083	0	97,137	2,652	0,105	0,129	0,01	0,009	0,001	0,003	0	0,001	-	0
1.9.2021 10:07	0,074	0,005	97,104	2,681	0,11	0,136	0,01	0,01	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,082	0	97,172	2,616	0,105	0,13	0,01	0,009	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,075	0,001	97,159	2,633	0,107	0,132	0,01	0,009	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,066	0	97,152	2,65	0,107	0,132	0,01	0,009	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,058	0,006	97,101	2,694	0,114	0,141	0,011	0,01	0,002	0,003	0	0,001	-	0
1.9.2021 10:07	0,096	0	96,492	3,296	0,095	0,116	0,009	0,007	0,001	0,002	0	0,001	-	0
1.9.2021 10:07	0,321	0	93,539	6,106	0,034	0,034	0,001	0	0	0	0	0	-	0
1.9.2021 10:07	0,394	0,056	93,578	5,865	0,088	0,107	0,008	0,006	0,002	0,002	0	0,001	-	0
1.9.2021 10:07	0,395	0,065	93,62	5,8	0,098	0,121	0,009	0,007	0,002	0,003	0	0,001	-	0

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
-	-	9,665903	34,797	10,199928	36,72	10,726513	38,615	11,308685	40,711	12,778	45,999	13,482
-	-	9,668609	34,807	10,202786	36,73	10,729426	38,626	11,31176	40,722	12,779	46,006	13,484
-	-	9,687375	34,875	10,222647	36,802	10,748552	38,695	11,332006	40,795	12,751	45,905	13,454
-	-	9,687254	34,874	10,22253	36,801	10,748147	38,693	11,331593	40,794	12,74	45,865	13,442
-	-	9,686664	34,872	10,221912	36,799	10,747379	38,691	11,330788	40,791	12,735	45,845	13,437
-	-	9,686957	34,873	10,222245	36,8	10,747056	38,689	11,33048	40,79	12,709	45,754	13,41
-	-	9,679692	34,847	10,214573	36,772	10,739166	38,661	11,322154	40,76	12,701	45,725	13,401
-	-	9,675307	34,831	10,209926	36,756	10,734861	38,645	11,31759	40,743	12,714	45,771	13,415
-	-	9,670757	34,815	10,205123	36,738	10,729886	38,628	11,312342	40,724	12,708	45,748	13,408
-	-	9,671123	34,816	10,205493	36,74	10,730759	38,631	11,31324	40,728	12,727	45,817	13,428
-	-	9,681438	34,853	10,216422	36,779	10,740946	38,667	11,324041	40,767	12,699	45,716	13,399
-	-	9,6774	34,839	10,212126	36,764	10,737456	38,655	11,320313	40,753	12,729	45,823	13,43
-	-	9,700197	34,921	10,236211	36,85	10,761727	38,742	11,345941	40,845	12,737	45,853	13,439
-	-	9,806328	35,303	10,348321	37,254	10,875009	39,15	11,465543	41,276	12,789	46,039	13,493
-	-	9,84914	35,457	10,393498	37,417	10,921845	39,319	11,514928	41,454	12,855	46,278	13,563
-	-	9,849737	35,459	10,394128	37,419	10,922534	39,321	11,515654	41,456	12,857	46,285	13,566
-	-	9,734113	35,043	10,272121	36,98	10,795942	38,865	11,38218	40,976	12,674	45,628	13,373
-	-	9,74007	35,064	10,278428	37,002	10,801973	38,887	11,388566	40,999	12,664	45,59	13,362
-	-	9,755276	35,119	10,294529	37,06	10,81728	38,942	11,40478	41,057	12,634	45,484	13,331
-	-	9,746996	35,089	10,285777	37,029	10,80855	38,911	11,395555	41,024	12,635	45,486	13,332
-	-	9,734677	35,045	10,272765	36,982	10,795242	38,863	11,381509	40,973	12,624	45,447	13,32
-	-	9,709416	34,954	10,24608	36,886	10,768151	38,765	11,352906	40,87	12,609	45,391	13,304
-	-	9,694523	34,9	10,230348	36,829	10,752155	38,708	11,336018	40,81	12,599	45,357	13,294
-	-	9,688163	34,877	10,223634	36,805	10,745172	38,683	11,328653	40,783	12,59	45,322	13,283
-	-	9,68882	34,88	10,224331	36,808	10,745825	38,685	11,329346	40,786	12,588	45,315	13,281
-	-	9,693658	34,897	10,22944	36,826	10,751096	38,704	11,334908	40,806	12,593	45,336	13,288
-	-	9,699101	34,917	10,235191	36,847	10,756932	38,725	11,341071	40,828	12,595	45,344	13,29
-	-	9,689747	34,883	10,225294	36,811	10,747313	38,69	11,330894	40,791	12,606	45,38	13,3
-	-	9,693943	34,898	10,229726	36,827	10,751837	38,707	11,335669	40,808	12,609	45,393	13,304
-	-	9,693828	34,898	10,229604	36,827	10,751727	38,706	11,335551	40,808	12,609	45,392	13,304
-	-	9,697807	34,912	10,233809	36,842	10,755948	38,721	11,340011	40,824	12,61	45,396	13,305
-	-	9,714368	34,972	10,251305	36,905	10,77368	38,785	11,358734	40,891	12,619	45,429	13,315
0	0	9,663974	34,79	10,197767	36,712	10,724316	38,608	11,30637	40,703	12,776	45,995	13,48
0	0	9,664966	34,794	10,198812	36,716	10,725477	38,612	11,307591	40,707	12,781	46,011	13,485
0	0	9,659621	34,775	10,19315	36,695	10,720199	38,593	11,301998	40,687	12,795	46,063	13,5
0	0	9,652535	34,749	10,185664	36,668	10,712649	38,566	11,294026	40,658	12,793	46,054	13,498
0	0	9,654169	34,755	10,18739	36,675	10,714423	38,572	11,295898	40,665	12,795	46,06	13,5
0	0	9,656791	34,764	10,190158	36,685	10,717269	38,582	11,298901	40,676	12,797	46,07	13,502
0	0	9,658717	34,771	10,192192	36,692	10,71936	38,59	11,301107	40,684	12,799	46,077	13,504
0	0	9,662542	34,785	10,196232	36,706	10,723474	38,605	11,30545	40,7	12,802	46,086	13,507
0	0	9,656287	34,763	10,189625	36,683	10,716759	38,58	11,298361	40,674	12,798	46,072	13,503
0	0	9,65845	34,77	10,19191	36,691	10,719099	38,589	11,300831	40,683	12,8	46,079	13,505
0	0	9,660549	34,778	10,194126	36,699	10,721384	38,597	11,303242	40,692	12,802	46,088	13,508
0	0	9,66573	34,797	10,199599	36,719	10,726945	38,617	11,309112	40,713	12,805	46,099	13,511
0	0	9,702981	34,931	10,23894	36,86	10,766729	38,76	11,351101	40,864	12,824	46,165	13,53
0	0	9,876306	35,555	10,422038	37,519	10,951561	39,426	11,546231	41,566	12,899	46,437	13,61
0	0	9,858731	35,491	10,403491	37,453	10,932261	39,356	11,525882	41,493	12,871	46,334	13,58
0	0	9,855266	35,479	10,399833	37,439	10,928513	39,343	11,521928	41,479	12,867	46,321	13,576

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 (metanski broj)
48,535	14,18	51,047	14,947	53,81	0,701	0,7401	0,5722	0,5724	16,545	502,528	89,471
48,542	14,182	51,054	14,949	53,818	0,701	0,7403	0,5724	0,5726	16,55	502,395	89,391
48,435	14,148	50,933	14,914	53,691	0,707	0,7465	0,5772	0,5774	16,688	498,306	88,128
48,393	14,136	50,888	14,901	53,643	0,709	0,7477	0,5782	0,5783	16,716	497,442	87,884
48,371	14,129	50,865	14,894	53,619	0,709	0,7483	0,5786	0,5788	16,73	497,076	87,834
48,276	14,1	50,761	14,864	53,51	0,712	0,7513	0,5809	0,5811	16,796	495,043	87,254
48,245	14,092	50,73	14,855	53,477	0,712	0,7511	0,5808	0,5809	16,792	495,154	87,398
48,294	14,107	50,783	14,87	53,533	0,71	0,7489	0,5791	0,5793	16,743	496,603	87,815
48,269	14,1	50,758	14,863	53,507	0,71	0,749	0,5791	0,5793	16,744	496,572	87,885
48,342	14,121	50,837	14,886	53,589	0,708	0,7468	0,5775	0,5776	16,696	498,06	88,345
48,236	14,089	50,719	14,852	53,466	0,712	0,7518	0,5813	0,5815	16,806	494,838	87,428
48,348	14,123	50,842	14,888	53,595	0,708	0,7476	0,5781	0,5782	16,714	497,538	88,146
48,38	14,131	50,87	14,896	53,625	0,711	0,7501	0,58	0,5802	16,769	495,859	87,241
48,576	14,182	51,056	14,95	53,821	0,721	0,7605	0,588	0,5882	16,999	489,121	83,94
48,828	14,255	51,318	15,027	54,097	0,719	0,7592	0,587	0,5872	16,971	489,929	83,856
48,837	14,257	51,327	15,03	54,106	0,719	0,759	0,5869	0,5871	16,967	490,039	83,632
48,143	14,057	50,605	14,818	53,346	0,723	0,7628	0,5898	0,59	17,053	487,588	84,818
48,103	14,045	50,56	14,805	53,299	0,725	0,765	0,5915	0,5917	17,102	486,189	84,442
47,991	14,01	50,435	14,769	53,167	0,731	0,771	0,5962	0,5963	17,235	482,421	83,438
47,994	14,011	50,44	14,77	53,172	0,729	0,7696	0,5951	0,5953	17,204	483,289	83,737
47,952	13,999	50,398	14,758	53,127	0,729	0,769	0,5946	0,5948	17,191	483,67	84
47,893	13,983	50,341	14,741	53,067	0,727	0,7669	0,593	0,5932	17,144	484,988	84,667
47,857	13,974	50,305	14,73	53,03	0,726	0,7657	0,5921	0,5922	17,117	485,752	85,046
47,821	13,963	50,267	14,719	52,989	0,726	0,7659	0,5922	0,5924	17,121	485,644	85,113
47,813	13,961	50,259	14,717	52,981	0,726	0,7662	0,5925	0,5926	17,128	485,428	85,07
47,835	13,967	50,282	14,723	53,004	0,726	0,7663	0,5925	0,5927	17,13	485,389	84,995
47,843	13,969	50,289	14,726	53,012	0,727	0,7669	0,593	0,5931	17,143	485,005	84,85
47,882	13,981	50,333	14,739	53,059	0,724	0,7642	0,5909	0,591	17,083	486,726	85,374
47,895	13,985	50,346	14,742	53,073	0,724	0,7644	0,5911	0,5912	17,088	486,577	85,274
47,895	13,985	50,346	14,742	53,073	0,724	0,7644	0,5911	0,5912	17,088	486,579	85,289
47,899	13,986	50,35	14,743	53,076	0,725	0,7649	0,5914	0,5916	17,099	486,27	85,147
47,933	13,995	50,383	14,753	53,111	0,726	0,7664	0,5926	0,5928	17,132	485,311	84,681
48,53	14,178	51,042	14,946	53,805	0,701	0,7399	0,5721	0,5723	16,542	502,64	89,454
48,546	14,183	51,059	14,951	53,823	0,701	0,7396	0,5719	0,572	16,534	502,868	89,524
48,601	14,2	51,12	14,969	53,888	0,698	0,7371	0,5699	0,5701	16,479	504,566	90,296
48,592	14,198	51,112	14,966	53,879	0,698	0,7363	0,5693	0,5695	16,461	505,115	90,569
48,598	14,2	51,119	14,968	53,886	0,698	0,7363	0,5693	0,5695	16,462	505,079	90,535
48,608	14,203	51,129	14,971	53,897	0,698	0,7364	0,5694	0,5696	16,464	505,017	90,478
48,616	14,205	51,137	14,974	53,905	0,698	0,7365	0,5695	0,5696	16,465	504,974	90,437
48,625	14,207	51,146	14,976	53,915	0,698	0,7368	0,5697	0,5699	16,472	504,768	90,327
48,611	14,203	51,132	14,972	53,9	0,698	0,7363	0,5693	0,5695	16,461	505,118	90,522
48,618	14,205	51,139	14,974	53,908	0,698	0,7364	0,5694	0,5695	16,463	505,044	90,47
48,627	14,208	51,149	14,977	53,918	0,698	0,7364	0,5694	0,5696	16,464	505,015	90,429
48,638	14,211	51,16	14,98	53,929	0,698	0,7369	0,5698	0,5699	16,474	504,711	90,257
48,709	14,23	51,226	15	53,999	0,702	0,7404	0,5725	0,5727	16,553	502,344	89,014
48,996	14,303	51,492	15,078	54,281	0,718	0,7582	0,5862	0,5864	16,948	490,6	85,565
48,888	14,272	51,38	15,045	54,162	0,719	0,7588	0,5867	0,5869	16,962	490,179	83,167
48,874	14,268	51,365	15,041	54,147	0,719	0,7587	0,5867	0,5868	16,96	490,241	83,218