

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
16.12.2021 6:00	17.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
17.12.2021 6:00	18.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
18.12.2021 6:00	19.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
19.12.2021 6:00	20.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
20.12.2021 6:00	21.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
21.12.2021 6:00	22.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
22.12.2021 6:00	23.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
23.12.2021 6:00	24.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
24.12.2021 6:00	25.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
25.12.2021 6:00	26.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
26.12.2021 6:00	27.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
27.12.2021 6:00	28.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
28.12.2021 6:00	29.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
29.12.2021 6:00	30.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
30.12.2021 6:00	31.12.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
31.12.2021 6:00	1.1.2022 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
16.12.2021 6:00	17.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
17.12.2021 6:00	18.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
18.12.2021 6:00	19.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
19.12.2021 6:00	20.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
20.12.2021 6:00	21.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
21.12.2021 6:00	22.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
22.12.2021 6:00	23.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
23.12.2021 6:00	24.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
24.12.2021 6:00	25.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
25.12.2021 6:00	26.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
26.12.2021 6:00	27.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
27.12.2021 6:00	28.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
28.12.2021 6:00	29.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
29.12.2021 6:00	30.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
30.12.2021 6:00	31.12.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
31.12.2021 6:00	1.1.2022 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
16.12.2021 6:00	17.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
17.12.2021 6:00	18.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
18.12.2021 6:00	19.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
19.12.2021 6:00	20.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
20.12.2021 6:00	21.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
21.12.2021 6:00	22.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
22.12.2021 6:00	23.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
23.12.2021 6:00	24.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
24.12.2021 6:00	25.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
25.12.2021 6:00	26.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
26.12.2021 6:00	27.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
27.12.2021 6:00	28.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
28.12.2021 6:00	29.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
29.12.2021 6:00	30.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
30.12.2021 6:00	31.12.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
31.12.2021 6:00	1.1.2022 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 %)
3.1.2022 8:44	0,121	0,021	97,053	2,542	0,195	0,263	0,035	0,026	0,001	0,003	0	-	0,002	-
3.1.2022 8:44	0,104	0,013	97,196	2,438	0,189	0,249	0,031	0,023	0,001	0,003	0	-	0,002	-
3.1.2022 8:44	0,116	0,011	97,295	2,344	0,179	0,234	0,028	0,021	0,001	0,003	0	-	0,002	-
3.1.2022 8:44	0,109	0,014	97,227	2,407	0,184	0,242	0,03	0,022	0,001	0,003	0	-	0,002	-
3.1.2022 8:44	0,103	0,017	97,167	2,468	0,184	0,244	0,031	0,023	0,001	0,003	0	-	0,002	-
3.1.2022 8:44	0,094	0,014	97,285	2,39	0,163	0,216	0,028	0,021	0,001	0,002	0	-	0,002	-
3.1.2022 8:44	0,096	0,017	97,165	2,475	0,185	0,248	0,031	0,025	0,002	0,003	0	-	0,003	-
3.1.2022 8:44	0,093	0,022	96,752	2,79	0,251	0,343	0,039	0,036	0,003	0,007	0	-	0,007	-
3.1.2022 8:44	0,065	0,002	97,148	2,536	0,177	0,249	0,025	0,027	0,004	0,007	0,001	-	0,009	-
3.1.2022 8:44	0,071	0,001	97,236	2,458	0,165	0,233	0,023	0,025	0,004	0,007	0,001	-	0,009	-
3.1.2022 8:44	0,08	0,002	97,27	2,419	0,162	0,229	0,022	0,025	0,004	0,007	0,001	-	0,008	-
3.1.2022 8:44	0,064	0,001	97,194	2,504	0,168	0,237	0,023	0,026	0,004	0,007	0,001	-	0,009	-
3.1.2022 8:44	0,099	0,009	96,92	2,696	0,2	0,276	0,028	0,029	0,004	0,007	0,001	-	0,008	-
3.1.2022 8:44	0,036	0	96,587	3,098	0,202	0,279	0,026	0,029	0,004	0,008	0,001	-	0,009	-
3.1.2022 8:44	0,054	0,001	96,592	3,077	0,2	0,276	0,026	0,028	0,004	0,008	0,001	-	0,009	-
3.1.2022 8:44	0,059	0,001	96,638	3,029	0,197	0,272	0,025	0,028	0,004	0,008	0,001	-	0,009	-
3.1.2022 8:44	0,086	0	97,636	2,147	0,097	0,131	0,019	0,012	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,082	0	97,647	2,143	0,096	0,128	0,016	0,012	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,101	0,001	97,717	2,058	0,092	0,122	0,015	0,011	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,084	0,001	97,687	2,104	0,094	0,125	0,016	0,012	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,078	0,001	97,668	2,127	0,096	0,127	0,016	0,012	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,072	0,001	97,669	2,131	0,096	0,127	0,016	0,012	0,001	0,002	0	-	0,001	-
3.1.2022 8:44	0,072	0,001	97,621	2,167	0,104	0,139	0,017	0,013	0,001	0,002	0	-	0,002	-
3.1.2022 8:44	0,057	0	97,243	2,473	0,163	0,227	0,022	0,024	0,004	0,007	0	-	0,007	-
3.1.2022 8:44	0,064	0,001	97,187	2,514	0,168	0,235	0,022	0,025	0,004	0,007	0	-	0,008	-
3.1.2022 8:45	0,069	0,001	97,231	2,467	0,165	0,231	0,022	0,025	0,004	0,007	0	-	0,008	-
3.1.2022 8:45	0,079	0,002	97,269	2,424	0,162	0,227	0,022	0,025	0,004	0,007	0	-	0,007	-
3.1.2022 8:45	0,064	0,001	97,205	2,497	0,167	0,233	0,022	0,025	0,004	0,007	0	-	0,008	-
3.1.2022 8:45	0,093	0,003	97,052	2,613	0,172	0,238	0,022	0,025	0,004	0,007	0	-	0,007	-
3.1.2022 8:45	0,036	0	96,592	3,096	0,201	0,275	0,025	0,028	0,004	0,008	0	-	0,008	-
3.1.2022 8:45	0,055	0,001	96,598	3,075	0,199	0,272	0,025	0,028	0,004	0,008	0	-	0,008	-
3.1.2022 8:45	0,06	0,001	96,644	3,026	0,196	0,268	0,025	0,027	0,004	0,008	0	-	0,008	-
3.1.2022 8:45	0,16	0,035	96,418	2,942	0,351	0,445	0,045	0,041	0,003	0,004	0	0,001	-	0
3.1.2022 8:45	0,131	0,026	96,674	2,783	0,307	0,386	0,038	0,034	0,002	0,004	0	0,001	-	0
3.1.2022 8:45	0,138	0,024	96,784	2,691	0,288	0,363	0,036	0,032	0,002	0,004	0	0,001	-	0
3.1.2022 8:45	0,153	0,043	96,34	3,025	0,343	0,439	0,046	0,042	0,003	0,004	0	0,001	-	0
3.1.2022 8:45	0,164	0,055	96,044	3,246	0,382	0,492	0,053	0,049	0,003	0,005	0	0,001	-	0
3.1.2022 8:45	0,151	0,048	96,222	3,114	0,364	0,465	0,048	0,044	0,003	0,005	0	0,001	-	0
3.1.2022 8:45	0,169	0,064	95,893	3,343	0,411	0,531	0,056	0,055	0,003	0,005	0	0,001	-	0
3.1.2022 8:45	0,145	0,053	95,919	3,348	0,411	0,536	0,055	0,055	0,004	0,007	0	0,003	-	0
3.1.2022 8:45	0,125	0,031	96,187	3,167	0,379	0,49	0,046	0,048	0,005	0,008	0	0,005	-	0
3.1.2022 8:45	0,084	0,007	96,981	2,63	0,226	0,299	0,025	0,031	0,004	0,007	0	0,005	-	0
3.1.2022 8:45	0,108	0,013	96,67	2,818	0,304	0,392	0,034	0,037	0,005	0,008	0	0,005	-	0
3.1.2022 8:45	0,125	0,026	96,262	3,092	0,385	0,495	0,046	0,047	0,005	0,008	0	0,005	-	0
3.1.2022 8:45	0,148	0,044	95,87	3,387	0,426	0,55	0,052	0,055	0,005	0,008	0	0,004	-	0
3.1.2022 8:45	0,104	0,025	95,957	3,411	0,393	0,503	0,044	0,047	0,005	0,009	0	0,005	-	0
3.1.2022 8:45	0,089	0,017	96,193	3,297	0,31	0,403	0,036	0,04	0,005	0,008	0	0,005	-	0
3.1.2022 8:45	0,114	0,011	95,887	3,449	0,43	0,539	0,045	0,044	0,005	0,009	0	0,005	-	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
-	-	9.666742	34,8	10,200801	36,723	10,727885	38,62	11,310115	40,716	12,796	46,064	13,501
-	-	9.659778	34,775	10,193442	36,696	10,720513	38,594	11,302328	40,688	12,795	46,061	13,5
-	-	9.649077	34,737	10,182139	36,656	10,709012	38,552	11,290187	40,645	12,788	46,035	13,492
-	-	9.655695	34,761	10,18913	36,681	10,716118	38,578	11,297688	40,672	12,792	46,05	13,497
-	-	9.660624	34,778	10,194336	36,7	10,72141	38,597	11,303275	40,692	12,795	46,061	13,5
-	-	9.651392	34,745	10,184583	36,664	10,711562	38,562	11,292877	40,654	12,791	46,048	13,496
-	-	9.663542	34,789	10,197417	36,711	10,724562	38,608	11,306602	40,704	12,797	46,07	13,503
-	-	9.703671	34,933	10,239809	36,863	10,767556	38,763	11,351994	40,867	12,82	46,153	13,527
-	-	9.674492	34,828	10,208982	36,752	10,736466	38,651	11,319164	40,749	12,81	46,115	13,516
-	-	9.665747	34,797	10,199744	36,719	10,727077	38,617	11,309252	40,713	12,804	46,095	13,51
-	-	9.661335	34,781	10,195084	36,702	10,722314	38,6	11,304226	40,695	12,801	46,082	13,506
-	-	9.670447	34,814	10,204709	36,737	10,732138	38,636	11,314594	40,733	12,808	46,108	13,514
-	-	9.686955	34,873	10,222149	36,8	10,749668	38,699	11,333107	40,799	12,812	46,123	13,518
-	-	9.724287	35,007	10,261575	36,942	10,789927	38,844	11,375597	40,952	12,843	46,234	13,551
-	-	9.720204	34,993	10,257265	36,926	10,78548	38,828	11,370904	40,935	12,838	46,217	13,546
-	-	9.715709	34,977	10,257265	36,926	10,780645	38,81	11,370904	40,935	12,835	46,205	13,542
-	-	9.6218	34,638	10,153321	36,552	10,679933	38,448	11,259481	40,534	12,777	45,998	13,481
-	-	9.621159	34,636	10,152642	36,55	10,679259	38,445	11,25877	40,532	12,777	45,998	13,481
-	-	9.612044	34,603	10,143017	36,515	10,669418	38,41	11,248383	40,494	12,769	45,97	13,473
-	-	9.617572	34,623	10,148855	36,536	10,675407	38,431	11,254704	40,517	12,775	45,989	13,479
-	-	9.62025	34,633	10,151682	36,546	10,6783	38,442	11,257757	40,528	12,777	45,998	13,481
-	-	9.621159	34,636	10,152642	36,55	10,679295	38,445	11,258807	40,532	12,778	46,002	13,482
-	-	9.626121	34,654	10,157884	36,568	10,684613	38,465	11,26442	40,552	12,781	46,012	13,485
-	-	9.666959	34,801	10,201023	36,724	10,728432	38,622	11,31068	40,718	12,807	46,104	13,513
-	-	9.670653	34,814	10,204926	36,738	10,732363	38,637	11,314831	40,733	12,808	46,109	13,514
-	-	9.665908	34,797	10,199914	36,72	10,727256	38,618	11,309441	40,714	12,805	46,096	13,51
-	-	9.661184	34,78	10,194925	36,702	10,722159	38,6	11,304061	40,695	12,801	46,082	13,506
-	-	9.66899	34,808	10,203169	36,731	10,730576	38,63	11,312946	40,727	12,807	46,105	13,513
-	-	9.674975	34,83	10,209493	36,754	10,73687	38,653	11,319594	40,751	12,807	46,104	13,512
-	-	9.723102	35,003	10,260324	36,937	10,788655	38,839	11,374254	40,947	12,842	46,231	13,55
-	-	9.719022	34,988	10,256015	36,922	10,784211	38,823	11,369566	40,93	12,837	46,214	13,545
-	-	9.71445	34,972	10,256015	36,922	10,779293	38,805	11,364374	40,912	12,837	46,214	13,541
0	0	9.721272	34,997	10,258278	36,93	10,785991	38,83	11,371458	40,937	12,82	46,153	13,527
0	0	9.703311	34,932	10,239307	36,862	10,766884	38,761	11,35129	40,865	12,815	46,133	13,521
0	0	9.692108	34,892	10,227473	36,819	10,754859	38,717	11,338596	40,819	12,808	46,108	13,513
0	0	9.726578	35,016	10,263887	36,95	10,791673	38,85	11,377461	40,959	12,823	46,162	13,529
0	0	9.749698	35,099	10,288309	37,038	10,816362	38,939	11,403526	41,053	12,833	46,198	13,54
0	0	9.737311	35,054	10,275223	36,991	10,803165	38,891	11,389592	41,003	12,828	46,182	13,535
0	0	9.7622	35,144	10,301517	37,085	10,829709	38,987	11,417617	41,103	12,838	46,217	13,545
0	0	9.767499	35,163	10,307115	37,106	10,835518	39,008	11,423749	41,125	12,846	46,245	13,554
0	0	9.750407	35,101	10,289047	37,041	10,817357	38,942	11,404562	41,056	12,842	46,231	13,55
0	0	9.685889	34,869	10,220897	36,795	10,74846	38,694	11,331832	40,795	12,813	46,129	13,519
0	0	9.711712	34,962	10,248173	36,893	10,776022	38,794	11,360926	40,899	12,825	46,169	13,531
0	0	9.746027	35,086	10,284421	37,024	10,812684	38,926	11,39963	41,039	12,84	46,225	13,548
0	0	9.77302	35,183	10,312946	37,127	10,841452	39,029	11,430012	41,148	12,85	46,26	13,558
0	0	9.773061	35,183	10,312978	37,127	10,841727	39,03	11,430288	41,149	12,859	46,291	13,567
0	0	9.750938	35,103	10,289609	37,043	10,818101	38,945	11,405346	41,059	12,849	46,256	13,557
0	0	9.781494	35,213	10,321884	37,159	10,850778	39,063	11,439841	41,183	12,865	46,313	13,574

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)
48,603	14,2	51,121	14,969	53,888	0,699	0,7381	0,5707	0,5709	16,505	503,811	89,945
48,6	14,2	51,119	14,969	53,887	0,698	0,7371	0,57	0,5701	16,481	504,508	90,157
48,572	14,192	51,092	14,961	53,858	0,698	0,7363	0,5694	0,5695	16,463	505,036	90,474
48,588	14,197	51,108	14,965	53,874	0,698	0,7369	0,5698	0,5699	16,475	504,681	90,281
48,6	14,2	51,119	14,968	53,886	0,699	0,7373	0,5701	0,5702	16,485	504,395	90,153
48,585	14,196	51,106	14,965	53,872	0,698	0,7363	0,5693	0,5695	16,463	505,055	90,52
48,609	14,202	51,128	14,971	53,896	0,699	0,7374	0,5702	0,5704	16,486	504,335	90,073
48,696	14,226	51,213	14,996	53,985	0,702	0,7409	0,5729	0,5731	16,565	501,943	88,641
48,657	14,216	51,178	14,986	53,948	0,699	0,7377	0,5704	0,5705	16,492	504,154	89,704
48,635	14,21	51,156	14,979	53,926	0,698	0,737	0,5699	0,57	16,476	504,629	89,988
48,621	14,206	51,142	14,975	53,911	0,698	0,7367	0,5697	0,5698	16,471	504,802	90,114
48,649	14,214	51,17	14,983	53,94	0,699	0,7373	0,5701	0,5702	16,483	504,423	89,853
48,665	14,218	51,183	14,987	53,954	0,701	0,7393	0,5717	0,5718	16,528	503,057	89,23
48,782	14,25	51,3	15,022	54,078	0,703	0,7415	0,5733	0,5735	16,576	501,595	88,183
48,764	14,245	51,282	15,016	54,058	0,702	0,7414	0,5733	0,5734	16,574	501,645	88,254
48,752	14,242	51,27	15,016	54,058	0,702	0,7414	0,573	0,5734	16,567	501,867	88,391
48,533	14,182	51,056	14,95	53,82	0,695	0,7334	0,5671	0,5672	16,397	507,085	91,716
48,533	14,182	51,057	14,95	53,82	0,695	0,7333	0,567	0,5671	16,394	507,158	91,764
48,503	14,174	51,027	14,941	53,789	0,694	0,7328	0,5666	0,5668	16,383	507,496	92,021
48,524	14,18	51,047	14,947	53,811	0,695	0,733	0,5668	0,5669	16,388	507,344	91,887
48,532	14,182	51,056	14,95	53,82	0,695	0,7332	0,5669	0,567	16,392	507,246	91,812
48,537	14,184	51,061	14,951	53,825	0,695	0,7332	0,5669	0,567	16,392	507,244	91,797
48,548	14,187	51,072	14,954	53,836	0,695	0,7336	0,5672	0,5674	16,401	506,952	91,588
48,645	14,213	51,167	14,982	53,937	0,698	0,7369	0,5698	0,5699	16,474	504,709	90,006
48,65	14,214	51,171	14,984	53,942	0,699	0,7373	0,5701	0,5702	16,483	504,423	89,847
48,637	14,211	51,158	14,98	53,927	0,698	0,737	0,5698	0,57	16,476	504,641	89,99
48,622	14,206	51,143	14,975	53,912	0,698	0,7367	0,5696	0,5698	16,47	504,827	90,126
48,646	14,213	51,167	14,983	53,937	0,698	0,7372	0,57	0,5701	16,48	504,512	89,904
48,645	14,212	51,164	14,982	53,934	0,699	0,7381	0,5707	0,5709	16,501	503,866	89,653
48,779	14,249	51,298	15,021	54,075	0,702	0,7414	0,5733	0,5734	16,574	501,658	88,221
48,761	14,244	51,279	15,015	54,056	0,702	0,7413	0,5732	0,5733	16,572	501,715	88,295
48,749	14,244	51,279	15,015	54,056	0,702	0,741	0,5729	0,5733	16,572	501,934	88,431
48,696	14,224	51,208	14,994	53,98	0,705	0,7436	0,575	0,5751	16,624	500,2	87,835
48,675	14,219	51,19	14,989	53,961	0,703	0,7415	0,5733	0,5735	16,577	501,576	88,52
48,648	14,212	51,163	14,981	53,933	0,702	0,7406	0,5727	0,5728	16,557	502,183	88,871
48,706	14,227	51,217	14,997	53,99	0,705	0,7441	0,5754	0,5755	16,635	499,824	87,676
48,744	14,237	51,253	15,008	54,028	0,707	0,7465	0,5772	0,5774	16,688	498,269	86,909
48,727	14,233	51,238	15,003	54,012	0,706	0,7451	0,5761	0,5763	16,657	499,187	87,34
48,763	14,242	51,271	15,013	54,047	0,709	0,7478	0,5782	0,5784	16,717	497,404	86,505
48,793	14,25	51,302	15,022	54,079	0,708	0,7477	0,5782	0,5783	16,715	497,438	86,387
48,779	14,247	51,29	15,019	54,067	0,706	0,7455	0,5765	0,5766	16,667	498,943	86,964
48,67	14,219	51,189	14,989	53,96	0,7	0,739	0,5714	0,5716	16,521	503,283	89,145
48,713	14,23	51,228	15,001	54,002	0,703	0,7416	0,5735	0,5736	16,58	501,522	88,232
48,772	14,246	51,284	15,017	54,061	0,706	0,7451	0,5761	0,5763	16,656	499,25	87,108
48,809	14,255	51,318	15,027	54,096	0,709	0,7481	0,5784	0,5786	16,723	497,205	86,209
48,842	14,265	51,353	15,037	54,134	0,708	0,7471	0,5777	0,5778	16,701	497,896	86,344
48,805	14,255	51,319	15,027	54,097	0,706	0,7448	0,5759	0,5761	16,651	499,371	87,052
48,865	14,271	51,376	15,044	54,158	0,708	0,7476	0,5781	0,5783	16,714	497,511	86,097