

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
16.7.2021 6:00	17.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
17.7.2021 6:00	18.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
18.7.2021 6:00	19.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
19.7.2021 6:00	20.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
20.7.2021 6:00	21.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
21.7.2021 6:00	22.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
22.7.2021 6:00	23.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
23.7.2021 6:00	24.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
24.7.2021 6:00	25.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
25.7.2021 6:00	26.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
26.7.2021 6:00	27.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
27.7.2021 6:00	28.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
28.7.2021 6:00	29.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
29.7.2021 6:00	30.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
30.7.2021 6:00	31.7.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
31.7.2021 6:00	1.8.2021 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
16.7.2021 6:00	17.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
17.7.2021 6:00	18.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
18.7.2021 6:00	19.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
19.7.2021 6:00	20.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
20.7.2021 6:00	21.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
21.7.2021 6:00	22.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
22.7.2021 6:00	23.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
23.7.2021 6:00	24.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
24.7.2021 6:00	25.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
25.7.2021 6:00	26.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
26.7.2021 6:00	27.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
27.7.2021 6:00	28.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
28.7.2021 6:00	29.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
29.7.2021 6:00	30.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
30.7.2021 6:00	31.7.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
31.7.2021 6:00	1.8.2021 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
16.7.2021 6:00	17.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
17.7.2021 6:00	18.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
18.7.2021 6:00	19.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
19.7.2021 6:00	20.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
20.7.2021 6:00	21.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
21.7.2021 6:00	22.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
22.7.2021 6:00	23.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
23.7.2021 6:00	24.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
24.7.2021 6:00	25.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
25.7.2021 6:00	26.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
26.7.2021 6:00	27.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
27.7.2021 6:00	28.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
28.7.2021 6:00	29.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
29.7.2021 6:00	30.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
30.7.2021 6:00	31.7.2021 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
31.7.2021 6:00	1.8.2021 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 %)
2.8.2021 13:17	0,102	0,063	91,864	5,341	1,934	2,63	0,33	0,351	0,003	0,007	0	-	0,004	-
2.8.2021 13:17	0,054	0,027	91,684	5,51	2,006	2,726	0,343	0,366	0,002	0,006	0	-	0,002	-
2.8.2021 13:17	0,064	0,033	91,596	5,543	2,035	2,764	0,347	0,369	0,003	0,008	0	-	0,002	-
2.8.2021 13:17	0,045	0,02	91,513	5,623	2,061	2,799	0,352	0,374	0,003	0,007	0	-	0,002	-
2.8.2021 13:17	0,021	0,004	91,377	5,736	2,108	2,862	0,36	0,384	0,002	0,007	0	-	0,001	-
2.8.2021 13:17	0,015	0	91,31	5,785	2,129	2,889	0,364	0,388	0,002	0,007	0	-	0,001	-
2.8.2021 13:17	0,02	0,004	91,271	5,807	2,135	2,898	0,365	0,389	0,002	0,007	0	-	0,001	-
2.8.2021 13:17	0,014	0	91,132	5,876	2,194	2,978	0,375	0,399	0,002	0,007	0	-	0,001	-
2.8.2021 13:17	0,013	0	91,128	5,884	2,192	2,975	0,375	0,399	0,002	0,007	0	-	0,001	-
2.8.2021 13:17	0,072	0,039	91,324	5,704	2,107	2,862	0,359	0,381	0,003	0,008	0	-	0,002	-
2.8.2021 13:17	0,088	0,05	91,423	5,629	2,069	2,81	0,352	0,373	0,004	0,009	0	-	0,003	-
2.8.2021 13:17	0,078	0,046	91,219	5,77	2,125	2,887	0,362	0,384	0,004	0,009	0	-	0,003	-
2.8.2021 13:17	0,361	0,079	93,503	5,693	0,269	0,364	0,042	0,042	0,003	0,004	0	-	0,004	-
2.8.2021 13:17	0,405	0,059	93,481	5,822	0,173	0,233	0,026	0,026	0,002	0,003	0	-	0,003	-
2.8.2021 13:17	0,419	0,078	93,539	5,706	0,192	0,259	0,029	0,028	0,003	0,004	0	-	0,004	-
2.8.2021 13:17	0,389	0,067	93,532	5,778	0,174	0,235	0,026	0,026	0,002	0,003	0	-	0,003	-
2.8.2021 13:17	0,686	0,493	95,032	2,876	0,654	0,914	0,1	0,096	0,016	0,021	0,001	-	0,025	-
2.8.2021 13:17	0,705	0,497	94,978	2,868	0,683	0,952	0,104	0,099	0,017	0,023	0,001	-	0,024	-
2.8.2021 13:17	0,727	0,504	94,844	2,906	0,734	1,019	0,113	0,105	0,018	0,023	0,001	-	0,025	-
2.8.2021 13:17	0,724	0,489	94,887	2,882	0,733	1,019	0,113	0,106	0,018	0,023	0,001	-	0,024	-
2.8.2021 13:17	0,73	0,499	94,854	2,89	0,738	1,027	0,114	0,106	0,018	0,024	0,001	-	0,025	-
2.8.2021 13:17	0,739	0,5	94,828	2,885	0,753	1,048	0,117	0,108	0,019	0,024	0,001	-	0,025	-
2.8.2021 13:17	0,738	0,49	94,87	2,861	0,747	1,041	0,116	0,108	0,019	0,024	0,001	-	0,025	-
2.8.2021 13:17	0,348	0,225	92,901	4,458	1,513	2,068	0,255	0,263	0,01	0,015	0	-	0,011	-
2.8.2021 13:17	0,776	0,512	94,798	2,843	0,771	1,072	0,12	0,109	0,019	0,025	0,001	-	0,026	-
2.8.2021 13:17	0,804	0,533	94,642	2,929	0,786	1,093	0,122	0,11	0,02	0,025	0,001	-	0,028	-
2.8.2021 13:17	0,791	0,53	94,658	2,938	0,779	1,083	0,121	0,11	0,019	0,025	0,001	-	0,027	-
2.8.2021 13:17	0,784	0,546	94,598	3	0,771	1,073	0,119	0,109	0,019	0,025	0,001	-	0,028	-
2.8.2021 13:17	0,785	0,551	94,558	3,017	0,785	1,089	0,121	0,11	0,019	0,025	0,001	-	0,027	-
2.8.2021 13:17	0,8	0,567	94,468	3,044	0,808	1,12	0,125	0,111	0,02	0,026	0,001	-	0,028	-
2.8.2021 13:17	0,791	0,548	94,591	2,986	0,779	1,084	0,121	0,109	0,02	0,025	0,001	-	0,028	-
2.8.2021 13:17	0,725	0,533	94,772	2,99	0,699	0,979	0,109	0,101	0,018	0,023	0,002	-	0,027	-
2.8.2021 13:17	0,102	0,062	91,909	5,346	1,947	2,582	0,268	0,354	0,004	0,008	0	0,002	-	0
2.8.2021 13:17	0,064	0,034	91,784	5,47	1,997	2,648	0,276	0,364	0,003	0,007	0	0,001	-	0
2.8.2021 13:17	0,071	0,038	91,677	5,518	2,035	2,696	0,28	0,369	0,003	0,008	0	0,001	-	0
2.8.2021 13:17	0,052	0,024	91,584	5,602	2,067	2,737	0,285	0,375	0,003	0,008	0	0,001	-	0
2.8.2021 13:17	0,032	0,011	91,477	5,695	2,104	2,785	0,289	0,382	0,003	0,007	0	0	-	0
2.8.2021 13:17	0,016	0	91,348	5,791	2,146	2,845	0,299	0,391	0,002	0,007	0	0	-	0
2.8.2021 13:17	0,027	0,009	91,352	5,778	2,137	2,833	0,298	0,388	0,003	0,007	0	0	-	0
2.8.2021 13:17	0,015	0	91,166	5,886	2,212	2,934	0,311	0,402	0,002	0,007	0	0	-	0
2.8.2021 13:17	0,014	0	91,159	5,891	2,212	2,936	0,313	0,402	0,002	0,007	0	0	-	0
2.8.2021 13:17	0,076	0,042	91,373	5,692	2,119	2,817	0,301	0,383	0,004	0,009	0	0,001	-	0
2.8.2021 13:17	0,091	0,052	91,464	5,627	2,082	2,766	0,293	0,376	0,004	0,009	0	0,001	-	0
2.8.2021 13:17	0,087	0,052	91,307	5,733	2,126	2,821	0,297	0,384	0,004	0,009	0	0,001	-	0
2.8.2021 13:17	0,348	0,08	93,464	5,677	0,328	0,432	0,042	0,052	0,003	0,004	0	0,002	-	0
2.8.2021 13:17	0,408	0,068	93,503	5,771	0,193	0,251	0,023	0,028	0,003	0,003	0	0,002	-	0
2.8.2021 13:17	0,418	0,079	93,543	5,695	0,203	0,265	0,024	0,029	0,003	0,004	0	0,002	-	0
2.8.2021 13:17	0,391	0,073	93,549	5,74	0,189	0,247	0,023	0,027	0,003	0,004	0	0,002	-	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
-	-	10,257695	36,928	10,825143	38,971	11,361078	40,9	11,978701	43,123	13,128	47,259	13,852
-	-	10,29658	37,068	10,866217	39,118	11,403054	41,051	12,023012	43,283	13,161	47,38	13,887
-	-	10,305666	37,1	10,875818	39,153	11,412751	41,086	12,033254	43,32	13,165	47,393	13,891
-	-	10,315523	37,136	10,886229	39,19	11,423402	41,124	12,044496	43,36	13,174	47,425	13,9
-	-	10,349614	37,259	10,922243	39,32	11,460162	41,257	12,083302	43,5	13,201	47,524	13,929
-	-	10,353637	37,273	10,926493	39,335	11,464472	41,272	12,087855	43,516	13,203	47,532	13,932
-	-	10,362532	37,305	10,935892	39,369	11,474013	41,306	12,09793	43,553	13,209	47,551	13,937
-	-	10,378027	37,361	10,952264	39,428	11,490644	41,366	12,115493	43,616	13,218	47,586	13,947
-	-	10,370071	37,332	10,943859	39,398	11,482056	41,335	12,106425	43,583	13,212	47,561	13,94
-	-	10,335077	37,206	10,906896	39,265	11,44423	41,199	12,066498	43,439	13,18	47,447	13,907
-	-	10,313552	37,129	10,884157	39,183	11,421015	41,116	12,041991	43,351	13,162	47,384	13,888
-	-	10,31061	37,118	10,881049	39,172	11,417854	41,104	12,038651	43,339	13,161	47,379	13,887
-	-	9,882248	35,576	10,428474	37,543	10,957505	39,447	11,552576	41,589	12,879	46,366	13,589
-	-	9,873929	35,546	10,419681	37,511	10,948562	39,415	11,543129	41,555	12,876	46,352	13,585
-	-	9,867182	35,522	10,412559	37,485	10,941228	39,388	11,535394	41,527	12,867	46,322	13,576
-	-	9,872495	35,541	10,418165	37,505	10,947091	39,41	11,541575	41,55	12,876	46,355	13,586
-	-	9,70858	34,951	10,257531	36,927	10,781384	38,813	11,353682	40,873	12,675	45,63	13,374
-	-	9,716075	34,978	10,253057	36,911	10,776859	38,797	11,362018	40,903	12,674	45,625	13,372
-	-	9,7256	35,012	10,263121	36,947	10,786988	38,833	11,372717	40,942	12,677	45,636	13,375
-	-	9,726009	35,014	10,263553	36,949	10,787457	38,835	11,37321	40,944	12,678	45,641	13,377
-	-	9,727218	35,018	10,264833	36,953	10,788708	38,839	11,374534	40,948	12,677	45,638	13,376
-	-	9,728156	35,021	10,265823	36,957	10,789694	38,843	11,375575	40,952	12,677	45,638	13,376
-	-	9,72698	35,017	10,26458	36,952	10,788474	38,839	11,374285	40,947	12,678	45,641	13,377
-	-	10,012511	36,045	10,566168	38,038	11,096435	39,947	11,699356	42,118	12,917	46,501	13,629
-	-	9,72613	35,014	10,26369	36,949	10,787318	38,834	11,373077	40,943	12,669	45,608	13,367
-	-	9,7308	35,031	10,268629	36,967	10,792187	38,852	11,378224	40,962	12,666	45,599	13,365
-	-	9,732212	35,036	10,27012	36,972	10,793703	38,857	11,379825	40,967	12,667	45,602	13,365
-	-	9,733244	35,04	10,271211	36,976	10,794822	38,861	11,381006	40,972	12,668	45,603	13,366
-	-	9,736811	35,053	10,27498	36,99	10,798589	38,875	11,384986	40,986	12,667	45,603	13,366
-	-	9,73979	35,063	10,27813	37,001	10,801713	38,886	11,388288	40,998	12,667	45,6	13,365
-	-	9,733072	35,039	10,271029	36,976	10,794622	38,861	11,380796	40,971	12,667	45,601	13,365
-	-	9,723564	35,005	10,260977	36,94	10,784682	38,825	11,370289	40,933	12,67	45,611	13,368
0	0	10,256027	36,922	10,823239	38,964	11,359244	40,893	11,976714	43,116	13,129	47,264	13,853
0	0	10,282047	37,015	10,85072	39,063	11,387372	40,995	12,006401	43,223	13,153	47,35	13,878
0	0	10,292626	37,053	10,8619	39,103	11,398672	41,035	12,018335	43,266	13,157	47,366	13,883
0	0	10,308617	37,111	10,878791	39,164	11,415927	41,097	12,03655	43,332	13,171	47,415	13,897
0	0	10,326265	37,175	10,897432	39,231	11,434962	41,166	12,056642	43,404	13,185	47,467	13,912
0	0	10,346015	37,246	10,918297	39,306	11,45623	41,242	12,079096	43,485	13,2	47,52	13,928
0	0	10,341337	37,229	10,913357	39,288	11,451142	41,224	12,073726	43,465	13,195	47,501	13,922
0	0	10,367953	37,325	10,941477	39,389	11,479747	41,327	12,103929	43,574	13,213	47,565	13,941
0	0	10,36889	37,328	10,942468	39,393	11,480753	41,331	12,104991	43,578	13,213	47,567	13,942
0	0	10,325129	37,17	10,896244	39,226	11,433471	41,16	12,055084	43,398	13,174	47,428	13,901
0	0	10,309554	37,114	10,879791	39,167	11,416687	41,1	12,037365	43,335	13,162	47,384	13,888
0	0	10,32665	37,176	10,897854	39,232	11,435021	41,166	12,056724	43,404	13,172	47,42	13,898
0	0	9,901018	35,644	10,448168	37,613	10,977684	39,52	11,573844	41,666	12,896	46,425	13,607
0	0	9,873479	35,545	10,419077	37,509	10,947983	39,413	11,542488	41,553	12,875	46,352	13,585
0	0	9,868161	35,525	10,413463	37,488	10,942206	39,392	11,536395	41,531	12,869	46,329	13,578
0	0	9,871796	35,538	10,417299	37,502	10,946223	39,406	11,54063	41,546	12,875	46,352	13,585

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)
49,866	14,54	52,343	15,328	55,179	0,748	0,7897	0,6106	0,6108	17,647	470,808	75,093
49,992	14,575	52,471	15,365	55,315	0,75	0,7916	0,6121	0,6123	17,691	469,814	74,584
50,007	14,579	52,484	15,369	55,329	0,751	0,7926	0,6128	0,613	17,712	469,289	74,417
50,04	14,588	52,518	15,379	55,364	0,751	0,793	0,6132	0,6134	17,722	468,863	74,21
50,145	14,618	52,623	15,41	55,476	0,753	0,795	0,6146	0,6149	17,764	468,128	73,883
50,154	14,62	52,632	15,412	55,484	0,754	0,7953	0,6149	0,6151	17,772	467,761	73,74
50,174	14,625	52,651	15,418	55,505	0,754	0,796	0,6155	0,6157	17,788	467,56	73,687
50,21	14,635	52,687	15,429	55,543	0,755	0,7973	0,6164	0,6166	17,815	466,695	73,373
50,185	14,628	52,661	15,421	55,516	0,755	0,7969	0,6161	0,6163	17,806	466,69	73,371
50,064	14,594	52,539	15,385	55,387	0,754	0,7953	0,6149	0,6151	17,772	467,797	73,918
49,998	14,576	52,472	15,366	55,316	0,752	0,7941	0,614	0,6142	17,745	468,367	74,165
49,992	14,574	52,467	15,364	55,31	0,752	0,7938	0,6138	0,614	17,739	467,26	73,761
48,922	14,281	51,411	15,054	54,195	0,721	0,7614	0,5887	0,5889	17,02	488,379	82,599
48,907	14,277	51,397	15,05	54,181	0,721	0,7606	0,5881	0,5883	17,001	489,082	83,005
48,875	14,268	51,364	15,04	54,145	0,721	0,7605	0,5881	0,5882	17	489,1	83,071
48,91	14,278	51,401	15,051	54,184	0,72	0,7603	0,5878	0,588	16,994	489,233	83,083
48,145	14,059	50,611	14,82	53,352	0,721	0,7606	0,5881	0,5883	17,003	489,849	85,687
48,14	14,057	50,606	14,819	53,347	0,72	0,7601	0,5877	0,5879	16,992	489,427	85,517
48,151	14,06	50,616	14,821	53,357	0,721	0,7613	0,5886	0,5888	17,017	488,525	85,135
48,157	14,062	50,623	14,823	53,364	0,721	0,7611	0,5885	0,5887	17,014	488,753	85,173
48,153	14,061	50,618	14,822	53,359	0,721	0,7614	0,5888	0,5889	17,021	488,523	85,118
48,153	14,06	50,618	14,822	53,359	0,722	0,7616	0,5889	0,589	17,025	488,313	85,028
48,157	14,062	50,622	14,823	53,363	0,721	0,7613	0,5886	0,5888	17,018	488,552	85,101
49,064	14,315	51,535	15,091	54,327	0,736	0,777	0,6008	0,601	17,366	476,857	78,388
48,122	14,051	50,584	14,812	53,323	0,722	0,7623	0,5894	0,5896	17,04	488,032	85,008
48,112	14,048	50,573	14,809	53,311	0,723	0,7633	0,5902	0,5904	17,063	487,209	84,727
48,115	14,049	50,575	14,81	53,314	0,723	0,7634	0,5903	0,5905	17,066	487,339	84,76
48,117	14,049	50,577	14,81	53,316	0,723	0,7635	0,5904	0,5905	17,068	487,07	84,681
48,117	14,049	50,576	14,81	53,315	0,724	0,7641	0,5908	0,591	17,081	486,823	84,587
48,113	14,048	50,571	14,808	53,31	0,725	0,7647	0,5913	0,5914	17,093	486,236	84,388
48,114	14,048	50,574	14,809	53,313	0,724	0,7636	0,5904	0,5906	17,069	486,977	84,659
48,125	14,052	50,589	14,813	53,328	0,722	0,7618	0,589	0,5892	17,028	488,272	85,127
49,87	14,541	52,348	15,329	55,184	0,748	0,7893	0,6102	0,6104	17,638	471,404	75,299
49,96	14,567	52,44	15,356	55,281	0,749	0,7904	0,6111	0,6113	17,663	470,733	74,938
49,978	14,571	52,456	15,361	55,299	0,75	0,7915	0,612	0,6122	17,687	470,095	74,723
50,029	14,585	52,508	15,376	55,353	0,751	0,7923	0,6126	0,6128	17,705	469,602	74,491
50,084	14,601	52,563	15,392	55,411	0,752	0,7933	0,6134	0,6136	17,727	469,031	74,235
50,14	14,617	52,62	15,409	55,471	0,753	0,7945	0,6143	0,6145	17,755	468,302	73,936
50,12	14,611	52,598	15,402	55,449	0,753	0,7945	0,6143	0,6145	17,753	468,339	73,984
50,188	14,629	52,666	15,422	55,52	0,755	0,7964	0,6158	0,616	17,796	467,211	73,561
50,19	14,63	52,668	15,423	55,522	0,755	0,7965	0,6158	0,616	17,798	467,167	73,546
50,043	14,589	52,519	15,379	55,365	0,753	0,7944	0,6142	0,6144	17,752	468,362	74,128
49,996	14,576	52,472	15,365	55,316	0,752	0,7935	0,6135	0,6137	17,732	468,905	74,36
50,034	14,586	52,509	15,376	55,355	0,753	0,7949	0,6146	0,6148	17,763	468,074	74,068
48,984	14,298	51,474	15,073	54,261	0,722	0,7623	0,5895	0,5896	17,041	487,93	82,289
48,906	14,277	51,396	15,05	54,179	0,721	0,7605	0,5881	0,5882	17	489,085	82,997
48,882	14,27	51,371	15,043	54,153	0,721	0,7604	0,588	0,5882	16,998	489,134	83,054
48,906	14,277	51,397	15,05	54,18	0,72	0,7603	0,5878	0,588	16,994	489,256	83,072