

Vrijeme od	Vrijeme do	Oznaka mjesta uzorkovanja	Mjesto uzorkovanja	Vrsta mjesta uzorkovanja
16.3.2020 6:00	17.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
17.3.2020 6:00	18.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
18.3.2020 6:00	19.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
19.3.2020 6:00	20.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
20.3.2020 6:00	21.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
21.3.2020 6:00	22.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
22.3.2020 6:00	23.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
23.3.2020 6:00	24.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
24.3.2020 6:00	25.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
25.3.2020 6:00	26.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
26.3.2020 6:00	27.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
27.3.2020 6:00	28.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
28.3.2020 6:00	29.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
29.3.2020 6:00	30.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
30.3.2020 6:00	31.3.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
31.3.2020 6:00	1.4.2020 6:00	020-1	MRS Zagreb Jug stream 1	Kromatografski uzorak
16.3.2020 6:00	17.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
17.3.2020 6:00	18.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
18.3.2020 6:00	19.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
19.3.2020 6:00	20.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
20.3.2020 6:00	21.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
21.3.2020 6:00	22.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
22.3.2020 6:00	23.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
23.3.2020 6:00	24.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
24.3.2020 6:00	25.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
25.3.2020 6:00	26.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
26.3.2020 6:00	27.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
27.3.2020 6:00	28.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
28.3.2020 6:00	29.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
29.3.2020 6:00	30.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
30.3.2020 6:00	31.3.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
31.3.2020 6:00	1.4.2020 6:00	019-1	MRS Zagreb Zapad stream 1	Kromatografski uzorak
16.3.2020 6:00	17.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
17.3.2020 6:00	18.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
18.3.2020 6:00	19.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
19.3.2020 6:00	20.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
20.3.2020 6:00	21.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
21.3.2020 6:00	22.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
22.3.2020 6:00	23.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
23.3.2020 6:00	24.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
24.3.2020 6:00	25.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
25.3.2020 6:00	26.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
26.3.2020 6:00	27.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
27.3.2020 6:00	28.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
28.3.2020 6:00	29.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
29.3.2020 6:00	30.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
30.3.2020 6:00	31.3.2020 6:00	001-2	MRS/PČ Ivanja Reka - MRS Zagreb-Istok (stream 2)	Kromatografski uzorak
31.3.2020 6:00	1.4.2020 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 %)
18.3.2020 1:08	0,617	0,28	94,999	3,073	0,764	1,013	0,108	0,109	0,013	0,018	0,001		0,018
18.3.2020 7:55	0,508	0,304	95,471	2,898	0,591	0,8	0,084	0,096	0,011	0,015	0,002		0,02
19.3.2020 7:55	0,499	0,297	95,518	2,883	0,578	0,783	0,082	0,095	0,01	0,015	0,002		0,019
20.3.2020 7:55	0,482	0,301	95,588	2,879	0,537	0,73	0,076	0,091	0,01	0,014	0,002		0,02
21.3.2020 7:55	0,479	0,298	95,624	2,855	0,533	0,725	0,076	0,09	0,01	0,014	0,002		0,019
22.3.2020 7:55	0,467	0,304	95,608	2,89	0,521	0,712	0,075	0,09	0,01	0,014	0,002		0,02
23.3.2020 8:29	0,479	0,294	95,663	2,829	0,524	0,716	0,076	0,09	0,01	0,014	0,002		0,02
24.3.2020 7:55	0,522	0,307	95,383	2,943	0,61	0,824	0,087	0,097	0,011	0,016	0,002		0,02
25.3.2020 7:55	0,51	0,289	95,387	2,958	0,622	0,836	0,089	0,097	0,011	0,016	0,002		0,019
26.3.2020 7:55	0,54	0,28	95,336	2,916	0,678	0,909	0,097	0,103	0,012	0,017	0,002		0,019
27.3.2020 7:55	0,548	0,276	95,308	2,922	0,692	0,927	0,099	0,104	0,012	0,017	0,002		0,019
28.3.2020 7:55	0,442	0,307	95,801	2,822	0,44	0,607	0,064	0,08	0,009	0,012	0,002		0,02
29.3.2020 7:55	0,456	0,319	95,729	2,842	0,461	0,634	0,067	0,083	0,009	0,013	0,002		0,021
30.3.2020 7:55	0,458	0,323	95,762	2,816	0,45	0,62	0,066	0,082	0,009	0,013	0,002		0,021
31.3.2020 7:55	0,548	0,378	95,49	2,825	0,536	0,738	0,08	0,093	0,011	0,016	0,002		0,022
1.4.2020 7:55	0,517	0,311	95,478	2,906	0,568	0,768	0,082	0,092	0,01	0,015	0,002		0,019
18.3.2020 1:08	0,496	0,305	95,522	2,88	0,574	0,78	0,082	0,096	0,011	0,015	0,001		0,017
18.3.2020 7:55	0,493	0,305	95,534	2,879	0,569	0,772	0,081	0,095	0,01	0,015	0,001		0,017
19.3.2020 7:55	0,496	0,295	95,55	2,865	0,574	0,777	0,081	0,095	0,01	0,015	0,001		0,017
20.3.2020 7:55	0,477	0,3	95,617	2,865	0,532	0,723	0,075	0,09	0,01	0,014	0,001		0,017
21.3.2020 7:55	0,474	0,298	95,64	2,85	0,53	0,72	0,075	0,09	0,01	0,014	0,001		0,017
22.3.2020 7:55	0,469	0,3	95,635	2,86	0,526	0,719	0,076	0,091	0,01	0,014	0,001		0,017
23.3.2020 8:29	0,474	0,295	95,676	2,828	0,519	0,71	0,075	0,09	0,01	0,014	0,001		0,017
24.3.2020 7:55	0,466	0,301	95,626	2,874	0,525	0,716	0,075	0,09	0,01	0,014	0,001		0,017
25.3.2020 7:55	0,456	0,305	95,671	2,872	0,495	0,678	0,071	0,087	0,01	0,014	0,001		0,018
26.3.2020 7:55	0,457	0,304	95,723	2,84	0,481	0,659	0,069	0,085	0,009	0,013	0,001		0,018
27.3.2020 7:55	0,445	0,305	95,808	2,816	0,441	0,609	0,064	0,081	0,009	0,013	0,001		0,018
28.3.2020 7:55	0,439	0,306	95,803	2,825	0,442	0,61	0,064	0,081	0,009	0,013	0,001		0,018
29.3.2020 7:55	0,441	0,304	95,785	2,832	0,451	0,621	0,065	0,082	0,009	0,013	0,001		0,018
30.3.2020 7:55	0,441	0,308	95,817	2,816	0,436	0,601	0,063	0,08	0,009	0,012	0,001		0,018
31.3.2020 7:55	0,465	0,299	95,724	2,813	0,499	0,683	0,072	0,087	0,01	0,014	0,001		0,017
1.4.2020 7:55	0,456	0,312	95,765	2,806	0,469	0,644	0,068	0,084	0,009	0,013	0,001		0,017
18.3.2020 1:08	0,73	0,258	94,514	3,269	0,954	1,23	0,107	0,122	0,016	0,021	0	0,007	
18.3.2020 7:55	0,741	0,342	94,54	3,156	0,939	1,221	0,109	0,119	0,017	0,023	0	0,009	
19.3.2020 7:55	0,721	0,413	94,248	3,297	1,007	1,321	0,116	0,138	0,019	0,025	0	0,01	
20.3.2020 7:55	0,991	0,239	93,113	4,227	1,15	1,429	0,124	0,114	0,014	0,019	0	0,006	
21.3.2020 7:55	0,856	0,388	94,095	3,389	0,975	1,271	0,112	0,13	0,017	0,024	0	0,009	
22.3.2020 7:55	0,951	0,291	93,522	3,891	1,067	1,345	0,114	0,117	0,016	0,021	0	0,007	
23.3.2020 8:29	0,774	0,339	94,367	3,256	0,972	1,263	0,11	0,127	0,017	0,023	0	0,008	
24.3.2020 7:55	0,644	0,26	94,79	3,131	0,906	1,175	0,102	0,121	0,015	0,021	0	0,007	
25.3.2020 7:55	0,67	0,248	94,76	3,117	0,933	1,204	0,105	0,119	0,015	0,021	0	0,007	
26.3.2020 7:55	0,663	0,251	94,801	3,082	0,929	1,204	0,104	0,122	0,015	0,021	0	0,007	
27.3.2020 7:55	0,812	0,491	94,566	2,948	0,886	1,183	0,107	0,126	0,019	0,025	0	0,011	
28.3.2020 7:55	0,86	0,583	94,234	3,091	0,925	1,232	0,113	0,123	0,021	0,027	0	0,012	
29.3.2020 7:55	0,869	0,638	94,196	3,054	0,926	1,242	0,114	0,129	0,021	0,028	0	0,013	
30.3.2020 7:55	0,796	0,467	93,755	3,606	1,072	1,375	0,122	0,121	0,019	0,024	0	0,01	
31.3.2020 7:55	0,793	0,363	94,405	3,211	0,943	1,228	0,107	0,122	0,017	0,023	0	0,009	
1.4.2020 7:55	0,668	0,25	94,807	3,08	0,924	1,194	0,104	0,118	0,015	0,021	0	0,007	

C7 (mol %)	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
			9,768339	35,166	10,308222	37,11	10,833994	39,002	11,422278	41,12	12,752	45,907
			9,729427	35,026	10,267109	36,962	10,792612	38,853	11,378577	40,963	12,738	45,855
			9,727029	35,017	10,264574	36,952	10,790096	38,844	11,375917	40,953	12,738	45,858
			9,719189	34,989	10,256291	36,923	10,78174	38,814	11,367094	40,922	12,735	45,846
			9,717268	34,982	10,254261	36,915	10,779706	38,807	11,364945	40,914	12,735	45,845
			9,718471	34,986	10,25553	36,92	10,781013	38,812	11,366324	40,919	12,736	45,849
			9,71436	34,972	10,251188	36,904	10,776604	38,796	11,361668	40,902	12,734	45,841
			9,735343	35,047	10,273361	36,984	10,798883	38,876	11,3852	40,987	12,739	45,86
			9,741029	35,068	10,279362	37,006	10,805087	38,898	11,391745	41,01	12,747	45,888
			9,74803	35,093	10,286762	37,032	10,812518	38,925	11,399593	41,039	12,749	45,896
			9,750399	35,101	10,289264	37,041	10,815043	38,934	11,402259	41,048	12,75	45,9
			9,698581	34,915	10,234517	36,844	10,759779	38,735	11,343904	40,838	12,726	45,815
			9,702015	34,927	10,238149	36,857	10,763368	38,748	11,347696	40,852	12,725	45,81
			9,697368	34,911	10,233241	36,84	10,758361	38,73	11,342412	40,833	12,721	45,796
			9,704829	34,937	10,24114	36,868	10,765825	38,757	11,350319	40,861	12,706	45,74
			9,723205	35,004	10,260538	36,938	10,785878	38,829	11,371469	40,937	12,732	45,834
			9,724945	35,01	10,262373	36,945	10,787846	38,836	11,373543	40,945	12,736	45,85
			9,723824	35,006	10,261189	36,94	10,786655	38,832	11,372284	40,94	12,736	45,849
			9,724053	35,007	10,261428	36,941	10,786926	38,833	11,372569	40,941	12,737	45,854
			9,716494	34,979	10,253442	36,912	10,778872	38,804	11,364063	40,911	12,734	45,843
			9,715501	34,976	10,252393	36,909	10,777829	38,8	11,362962	40,907	12,734	45,843
			9,716453	34,979	10,253398	36,912	10,778859	38,804	11,364049	40,911	12,735	45,846
			9,712729	34,966	10,249465	36,898	10,774871	38,79	11,359839	40,895	12,733	45,839
			9,717303	34,982	10,254297	36,915	10,779779	38,807	11,36502	40,914	12,736	45,849
			9,711711	34,962	10,248389	36,894	10,773805	38,786	11,358713	40,891	12,733	45,838
			9,706247	34,942	10,242616	36,873	10,767954	38,765	11,352534	40,869	12,73	45,828
			9,697278	34,91	10,23314	36,839	10,75838	38,73	11,342425	40,833	12,726	45,813
			9,698564	34,915	10,234498	36,844	10,759777	38,735	11,343899	40,838	12,727	45,817
			9,700782	34,923	10,236841	36,853	10,762152	38,744	11,346406	40,847	12,728	45,822
			9,695975	34,906	10,231765	36,834	10,756987	38,725	11,340955	40,827	12,725	45,81
			9,707718	34,948	10,244171	36,879	10,769522	38,77	11,35419	40,875	12,731	45,83
			9,700243	34,921	10,236274	36,851	10,761489	38,741	11,345711	40,845	12,725	45,81
0,003	0,001	0	9,80309	35,291	10,34481	37,241	10,870784	39,135	11,461116	41,26	12,764	45,949
0,004	0,002	0	9,785693	35,228	10,326449	37,175	10,851794	39,066	11,44109	41,188	12,738	45,856
0,004	0,002	0	9,808893	35,312	10,350961	37,263	10,876471	39,155	11,467148	41,282	12,741	45,868
0,002	0,001	0	9,879613	35,567	10,425657	37,532	10,95187	39,427	11,546734	41,568	12,783	46,017
0,004	0,002	0	9,796085	35,266	10,337445	37,215	10,862329	39,104	11,452236	41,228	12,723	45,802
0,003	0,001	0	9,842152	35,432	10,386094	37,39	10,911693	39,282	11,504331	41,416	12,756	45,923
0,004	0,001	0	9,796839	35,269	10,338225	37,218	10,863624	39,109	11,453581	41,233	12,741	45,867
0,003	0,001	0	9,79228	35,252	10,333384	37,2	10,859512	39,094	11,449206	41,217	12,767	45,96
0,003	0,001	0	9,794295	35,259	10,335513	37,208	10,861617	39,102	11,451429	41,225	12,767	45,96
0,003	0,001	0	9,792336	35,252	10,333444	37,2	10,859537	39,094	11,449235	41,217	12,766	45,958
0,006	0,003	0	9,746555	35,088	10,285018	37,026	10,809047	38,913	11,395878	41,025	12,681	45,652
0,007	0,004	0	9,752727	35,11	10,291436	37,049	10,815143	38,935	11,402207	41,048	12,664	45,589
0,008	0,004	0	9,746766	35,088	10,285141	37,027	10,808522	38,911	11,395223	41,023	12,65	45,539
0,005	0,003	0	9,827295	35,378	10,370303	37,333	10,895707	39,225	11,487354	41,354	12,734	45,844
0,004	0,002	0	9,784284	35,223	10,324916	37,17	10,850013	39,06	11,439164	41,181	12,727	45,819
0,003	0,001	0	9,789987	35,244	10,330964	37,191	10,857001	39,085	11,446557	41,208	12,764	45,951

Wd(kWh/m3) @25/0	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)
13,455	48,438	14,143	50,915	14,909	53,673	0,719	0,7589	0,5868	0,587	16,964	490,142	84,734
13,44	48,383	14,13	50,866	14,895	53,621	0,715	0,7546	0,5834	0,5836	16,868	492,907	86,047
13,44	48,385	14,13	50,87	14,896	53,624	0,715	0,7541	0,5831	0,5833	16,858	493,205	86,153
13,437	48,373	14,127	50,858	14,892	53,612	0,714	0,7533	0,5825	0,5826	16,84	493,74	86,417
13,437	48,372	14,127	50,858	14,892	53,611	0,713	0,753	0,5822	0,5824	16,834	493,925	86,493
13,438	48,376	14,128	50,861	14,893	53,616	0,714	0,7531	0,5823	0,5825	16,835	493,882	86,474
13,436	48,368	14,126	50,854	14,891	53,607	0,713	0,7527	0,582	0,5822	16,826	494,151	86,583
13,441	48,387	14,13	50,869	14,896	53,624	0,716	0,7553	0,5841	0,5842	16,885	492,423	85,844
13,449	48,417	14,139	50,9	14,905	53,657	0,716	0,7553	0,584	0,5842	16,884	492,466	85,774
13,452	48,426	14,141	50,908	14,907	53,664	0,716	0,7561	0,5846	0,5848	16,902	491,939	85,514
13,453	48,43	14,142	50,912	14,908	53,669	0,717	0,7563	0,5848	0,585	16,908	491,762	85,423
13,428	48,34	14,119	50,828	14,883	53,58	0,712	0,7511	0,5808	0,5809	16,791	495,179	87,123
13,426	48,335	14,117	50,821	14,881	53,573	0,712	0,7518	0,5813	0,5815	16,808	494,695	86,956
13,422	48,32	14,113	50,807	14,877	53,558	0,712	0,7515	0,5811	0,5813	16,801	494,892	87,083
13,406	48,262	14,095	50,741	14,858	53,489	0,715	0,7545	0,5834	0,5836	16,867	492,942	86,495
13,433	48,36	14,123	50,843	14,888	53,596	0,715	0,7543	0,5833	0,5834	16,862	493,107	86,198
13,438	48,377	14,128	50,861	14,893	53,615	0,714	0,754	0,583	0,5832	16,857	493,244	86,205
13,438	48,376	14,128	50,86	14,893	53,614	0,714	0,7539	0,5829	0,5831	16,854	493,339	86,247
13,439	48,382	14,129	50,866	14,895	53,62	0,714	0,7538	0,5828	0,583	16,85	493,446	86,253
13,436	48,369	14,126	50,855	14,891	53,608	0,713	0,753	0,5822	0,5824	16,833	493,943	86,509
13,436	48,37	14,127	50,856	14,892	53,61	0,713	0,7528	0,5821	0,5822	16,829	494,061	86,555
13,437	48,373	14,127	50,859	14,892	53,613	0,713	0,7529	0,5821	0,5823	16,83	494,025	86,535
13,435	48,366	14,126	50,852	14,89	53,606	0,713	0,7525	0,5818	0,582	16,822	494,265	86,643
13,438	48,376	14,128	50,862	14,893	53,616	0,713	0,7529	0,5822	0,5823	16,831	493,995	86,516
13,435	48,365	14,125	50,851	14,89	53,605	0,713	0,7524	0,5818	0,5819	16,819	494,339	86,695
13,432	48,353	14,122	50,84	14,887	53,593	0,712	0,7519	0,5814	0,5815	16,808	494,664	86,86
13,427	48,338	14,118	50,826	14,883	53,578	0,712	0,751	0,5807	0,5808	16,788	495,256	87,155
13,429	48,343	14,12	50,831	14,884	53,583	0,712	0,751	0,5807	0,5809	16,789	495,225	87,133
13,43	48,348	14,121	50,836	14,886	53,588	0,712	0,7512	0,5809	0,581	16,794	495,102	87,064
13,426	48,335	14,117	50,823	14,882	53,574	0,711	0,7509	0,5806	0,5808	16,786	495,323	87,201
13,432	48,356	14,123	50,843	14,888	53,596	0,713	0,752	0,5815	0,5816	16,811	494,579	86,81
13,426	48,335	14,117	50,821	14,881	53,573	0,712	0,7515	0,5811	0,5813	16,801	494,888	87,025
13,467	48,481	14,154	50,953	14,92	53,713	0,723	0,7629	0,5899	0,5901	17,054	487,547	83,447
13,44	48,383	14,125	50,851	14,89	53,605	0,723	0,7633	0,5902	0,5904	17,063	487,295	83,73
13,443	48,396	14,128	50,86	14,893	53,615	0,726	0,7665	0,5927	0,5928	17,134	485,304	83,039
13,487	48,554	14,17	51,012	14,937	53,775	0,732	0,7726	0,5974	0,5975	17,269	481,512	80,906
13,424	48,327	14,108	50,788	14,872	53,538	0,726	0,7667	0,5928	0,593	17,138	485,141	83,06
13,459	48,454	14,143	50,913	14,908	53,67	0,729	0,7699	0,5953	0,5955	17,209	483,163	81,821
13,443	48,395	14,128	50,862	14,893	53,616	0,725	0,7647	0,5913	0,5914	17,093	486,438	83,351
13,47	48,493	14,158	50,969	14,925	53,729	0,721	0,7609	0,5883	0,5885	17,008	488,855	83,965
13,47	48,493	14,158	50,969	14,925	53,729	0,721	0,7612	0,5885	0,5887	17,015	488,663	83,863
13,47	48,49	14,157	50,966	14,924	53,726	0,721	0,761	0,5884	0,5886	17,01	488,797	83,931
13,38	48,167	14,064	50,629	14,825	53,37	0,724	0,764	0,5907	0,5909	17,078	486,864	84,338
13,361	48,101	14,043	50,555	14,803	53,293	0,727	0,767	0,5931	0,5933	17,147	484,922	83,878
13,347	48,048	14,028	50,5	14,787	53,234	0,728	0,7678	0,5937	0,5938	17,163	484,45	83,92
13,436	48,371	14,119	50,828	14,884	53,581	0,73	0,7702	0,5955	0,5957	17,216	482,965	82,298
13,429	48,344	14,114	50,81	14,878	53,561	0,724	0,7643	0,591	0,5912	17,085	486,657	83,595
13,468	48,483	14,155	50,959	14,922	53,719	0,721	0,7608	0,5883	0,5884	17,007	488,885	83,981