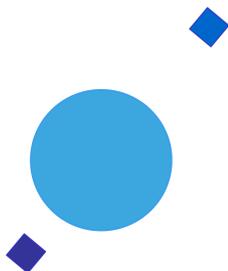


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SVIRCO Prompt Report: December 2018

Francesco Re and Nello Vertoli

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ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI

AREA DI RICERCA ROMA - TOR VERGATA

Via del Fosso del Cavaliere, 100 - 00133 Roma (ITALIA)

SVIRCO Prompt Report: December 2018

Francesco Re

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Abstract

The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in December 2018 by the Neutron Monitor of SVIRCO-Rome (present geographic position: 41.86° N - 12.47° E; altitude about s.l.), is reported in prompt form together with the barometric pressure data.

SVIRCO OBSERVATORY

During the 1st International Geophysics Year (1957) an international network of “ground-based detectors” for continuous cosmic ray measurements was world-wide established.

The cosmic ray station of Rome joined this network with the purpose to study the time variations of primary cosmic rays (**Studio Variazioni Intensità Raggi Cosmici: S.V.I.R.CO**) and their modulation in the heliosphere.

From July 1957 to April 1997, the SVIRCO Station (now Observatory) performed uninterrupted measurements at the Physics Department “G. Marconi” of “La Sapienza” University of Rome (41.90° N, 12.52° E, altitude about 60 m a.s.l.)

In May 1997 the neutron monitor was moved to the Physics Department “E. Amaldi” of “Roma Tre” University. Since then it has been continuously running at the new location (41.86° N, 12.47° E, altitude about 0 m a.s.l.).

The SVIRCO Observatory (INAF/IAPS-UNIRomaTre collaboration) is housed in a reserved building provided with a double air-conditioning system. The inner temperature is permanently restrained in a range of 23°-26° C, meanwhile the relative humidity is kept below 57%. Either the environmental parameters are continuously checked and recorded by digital sensors.

On January 1, 2005 three counters were added to the detector. This upgrade, from 17 to 20 NM-64, made the SVIRCO neutron monitor still consist of 5 sections but modified its geometry. Actually the new arrangement has been composed of three 3-counter, one 5-counter and one 6-counter units. The enhancement improved not only the overall counting rate of 15.6 % (January 2005) but, as a result, also the statistical quality of the recorded data.

On July 3, 2017 six counters experienced failure and were removed from the detector until 24 July. On 25 July 2017 a number of 2 counters was added to the detector up to a total of 16 counters. The new arrangement has been composed of three 3-counter, one 5-counter and one 2-counter units. The overall counting rate has decreased of about 20% (July 2017) with a lower statistical quality of the recorded data.

Each of the 16 BF₃ proportional counters (BP-28 type) is equipped with a smart amplifier/discriminator circuit complete with a spectrum stabilizer. This new electronic unit, developed in our laboratory, holds firmly the pulse height spectrum of the amplifier output (within a range of more than 150 volts around the operating voltage), providing the counter with a great immunity against high voltage variations.

Anyway, systematic and exhaustive tests of the counters are regularly performed. The output pulses of the amplifiers, discriminated by the threshold gates, are collected and stored into a multi-channel analyzer. The analysis of the height distribution (spectrum) of the amplifier pulses coinciding with the discriminator ones, is essential to verify the long term efficiency of each counter together with the amplifier gain and the discriminator threshold level.

As well as the amplifier/discriminator circuits, a large part of the electronic instrumentation operating in the Observatory was designed and realized in our laboratory together with the software for data acquisition and pre-elaboration.

In order to improve the reliability of the recorded data and to prevent measurement breakdowns, two independent systems perform contemporary the data acquisition. Each system is remotely controlled by a dedicated computer and is timed by a high stability quartz clock and/or a GPS receiver. One equipment runs according to a timing of 1 minute and fulfils the acquisition of the 16 counters separately. The other one records the individual 5-minute counting rate of each detector section in addition to the rates of the overall multiplicity, sorted into separated counting channels (from 1 to greater than 8).

A special care is devoted to the atmospheric pressure measurements; thus they are carried out by means of not less than three barometers at the same time. These instruments (achieving a resolution up to 0.01 hPa), are constantly checked out each other for the best measuring accuracy and reliability. Furthermore, the devices in use are equipped with different types of transducer such as vibrating cylinder, force balance and quartz, therefore, throughout their different behaviours, it is possible to point out the occurrence of any long-term drift and eventually to re-calibrate the instruments themselves.

DATA PRESENTATION

In a preliminary step, the intensity data, of the secondary nucleonic component of cosmic rays, detected at SVIRCO Observatory, were corrected for pressure variations at a reference level of 1009.25 hPa with an attenuation coefficient of 0.70% / hPa.

The five-minutes counting rates, of the examined month, are reported in tabular form together with the hourly normalized data, which provide a continuous data set for long-term analysis.

The normalization was evaluated as percentage of the counting rate average of January-February 1997, when the Monitor operated at the previous location of "La Sapienza" University. The reference counting rate level (100%), computed for such period, is equal to 554946 counts/hour.

The atmospheric pressure data (in hectoPascal) are also collected in a monthly table which presents the five-minutes averages and the hourly ones.

The hourly averages of the normalized intensity and pressure, plotted in monthly graphs, are reported too.

CONDITIONS FOR SVIRCO DATA USE

You are welcome to use neutron monitor data of SVIRCO, IAPS/INAF-UNIRomaTre collaboration, under the following conditions:

-You agree to acknowledge our financial supports in any published use of the data.

Example: "SVIRCO NM is supported by the INAF - UNIRomaTre collaboration"

-You are kindly requested to send a copy of any published work derived from our data to:

Dr. Monica Laurenza
Head of SVIRCO Observatory & TPL
Istituto di Astrofisica e Planetologia Spaziali - Area di Ricerca Tor Vergata
Via del Fosso del Cavaliere, 100 00133 Roma - Italy,

monica.laurenza@iaps.inaf.it



S.V.I.R.CO. Observatory

Rome

Italy



INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data – December 2018										16 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
1	0	38027	38401	38355	38253	38476	38584	38876	38597	38918	39029	38231	38535	101.697	
	1	37954	38658	38569	38253	38296	38416	37949	38423	38138	38329	37905	38653	101.099	
	2	38060	38343	38483	38218	38543	38272	38150	38450	38905	38793	38462	38606	101.483	
	3	38192	38294	38300	37968	38481	38810	38632	38307	37873	38480	38518	38280	101.230	
	4	38513	38716	38500	38325	38211	39279	38652	39277	38923	39084	39050	38693	102.350	
	5	38572	38462	38729	38547	38281	38934	38821	39206	38704	38232	39056	38336	102.054	
	6	39174	38830	38833	38560	38523	38413	38601	38452	39244	38554	38907	38659	102.245	
	7	38816	39148	38509	38178	38679	38787	38676	39229	38573	38858	38255	38705	102.171	
	8	38459	39097	38550	39183	38252	39145	38675	39287	38611	38558	38740	38546	102.323	
	9	38982	38766	38344	39487	38339	38265	38412	38271	38433	38095	38331	38292	101.644	
	10	38883	38262	38390	38607	38248	38035	39029	38375	38576	38965	38641	38414	101.733	
	11	38519	38536	38528	38677	38457	38991	39205	38853	38648	38580	38890	38786	102.228	
	12	38810	38431	38797	38180	38190	38753	38493	37609	38974	38587	38840	38331	101.639	
	13	38402	38631	38886	38175	38688	38794	38859	38776	38622	38962	38823	38113	102.021	
	14	38183	37983	38461	38127	38282	38329	39113	38096	38589	38419	38670	38477	101.360	
	15	38458	38417	38656	38958	38240	38252	38751	38404	38355	38656	38888	38378	101.731	
	16	38667	38612	37980	38276	38369	38335	38411	38626	38348	38688	38375	38391	101.437	
	17	37837	38485	38221	38831	38410	38727	38776	38379	38393	38583	39000	38016	101.564	
	18	38347	38154	38725	38703	38501	38900	38175	38508	38373	38904	38546	38084	101.623	
	19	37909	38484	38109	38977	38594	38136	38258	39374	38521	38668	39070	38949	101.870	
	20	38394	39175	38984	38968	38386	38597	38570	38303	38737	38562	38525	38256	101.961	
	21	38911	38150	37918	38604	38215	38272	38289	38635	38383	37725	38806	38634	101.319	
	22	38442	38206	38091	38696	38117	38448	38239	37498	38678	38483	38481	38487	101.171	
	23	38099	38242	38301	38039	38845	38334	37970	38225	38729	39015	38247	38596	101.341	
2	0	38151	38510	38568	38714	38464	38678	37856	38586	38159	38254	39311	38756	101.641	
	1	38751	38060	38496	38550	38374	38456	38297	38623	38106	38281	38238	38388	101.337	
	2	38806	38314	38845	38588	38036	38949	38821	38121	38506	38858	38674	38821	101.934	
	3	38534	38842	38519	38925	38884	39103	38133	38735	38921	38710	38815	38258	102.163	
	4	38750	38819	39040	39054	38795	38704	38964	38545	38463	38536	39052	38679	102.388	
	5	38286	38825	38811	38956	38939	39014	38522	38453	38605	38264	38472	38295	101.958	
	6	38470	38742	38181	38609	38721	38268	38461	38481	38307	38614	38775	39138	101.809	
	7	38130	38565	38810	38923	38462	38560	38328	38878	38381	38385	39016	38085	101.755	
	8	38967	38260	38352	38606	38555	38135	38565	38675	38280	38463	38794	38280	101.625	
	9	38138	38605	38860	38200	38219	38593	38931	38805	38089	38499	38044	38407	101.506	
	10	38112	38569	38847	38595	38580	39285	38718	38523	38700	38622	38610	38992	102.114	
	11	38328	38546	38997	38311	38338	38996	38700	38534	38297	38192	38569	38430	101.692	
	12	38283	38263	38164	38727	38812	38463	38383	38624	38730	38104	38292	38816	101.565	
	13	38236	38703	38774	38490	38705	38313	38969	38325	37988	38699	38314	38205	101.578	
	14	38784	38765	38555	38475	39082	38291	38219	39043	38411	39040	38520	38601	102.033	
	15	38899	38352	38391	38605	38766	38384	38613	38897	38550	38426	38153	38285	101.711	
	16	38780	38710	38291	38389	39325	38861	38750	38374	38395	37938	38018	38304	101.670	
	17	38429	38519	38464	38620	38615	38683	38165	38904	38797	38939	38492	38278	101.839	
	18	38195	38495	38377	38669	38354	38869	38471	38736	38661	38096	38642	38639	101.685	
	19	38787	38470	39084	38568	38451	38733	37816	38644	38537	38764	38741	38644	101.912	
	20	37942	38130	38294	38780	38275	38363	38463	38191	38833	38461	38815	38333	101.393	
	21	38347	38597	38025	38239	38643	38605	38306	38304	38671	38446	38391	38444	101.424	
	22	38638	38266	38531	38592	38793	38613	38457	38522	38456	38825	38827	38639	101.895	
	23	38568	38747	38635	38189	38240	38671	38748	39404	38448	38553	38168	38940	101.928	

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – December 2018											16 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
3	0	37863	38488	38234	38266	38741	38806	38162	38113	37882	38548	38860	38033	101.198
	1	38823	38487	38490	38899	38564	38632	38556	38234	38698	38074	38410	38682	101.760
	2	38329	38495	38506	37667	37849	38701	38180	38335	38288	38402	37930	38126	100.938
	3	38839	38359	38661	38333	38519	38038	38510	38371	38805	38320	37713	38803	101.480
	4	38681	38745	37692	38785	38337	38217	38845	37905	38993	38069	38698	38384	101.497
	5	38420	38344	38171	38447	38105	38004	38397	38338	38505	38308	38256	38629	101.183
	6	38761	38611	38230	38549	38114	38136	38652	38503	38445	38536	38403	38429	101.501
	7	38628	38379	38591	39166	38830	38289	38482	38390	38302	38878	38608	38307	101.827
	8	38660	38553	38970	38895	38067	38591	38349	38363	38611	38885	39130	38458	101.977
	9	38541	38744	38469	38637	37582	38319	38268	37902	38205	38184	38810	38992	101.344
	10	38510	38131	39255	38655	38303	38090	38443	38277	38567	37701	38073	38487	101.308
	11	38151	38286	38424	37842	37913	38109	38296	38408	38586	38111	38395	38405	100.964
	12	38401	39063	38191	38336	38085	38366	38199	37966	38753	38526	38327	38494	101.356
	13	38253	38226	38446	38593	38438	37749	38499	37746	38573	38558	38750	37844	101.129
	14	38678	38713	37977	38483	38556	38678	38069	38131	38574	38418	38745	38371	101.507
	15	38479	37835	38543	38225	38410	38503	37989	38785	38432	38554	38379	38026	101.235
	16	38454	38574	38285	39173	38328	38884	38194	38828	38390	39153	38738	38637	102.000
	17	38414	38917	38427	38144	38737	38777	38625	38813	38114	38395	38619	38522	101.751
	18	38338	38381	38223	38452	38563	38223	38304	38534	37805	38109	37808	38257	100.979
	19	38365	38792	38711	38841	37971	38795	38691	38185	37988	38546	38364	38778	101.646
	20	38582	38638	38585	38529	38738	38778	37945	38585	38594	38185	38653	37968	101.592
	21	38751	38603	38049	38243	38319	38187	38512	38221	38149	38468	38005	38834	101.275
	22	38369	38175	38438	37985	38340	37745	38472	37952	38392	38230	37828	38424	100.837
	23	37957	39026	38328	38321	38533	38191	38643	38623	38220	38053	38535	38255	101.351
4	0	38277	38281	37884	39132	38360	37695	38077	38137	38374	38294	38598	38004	101.004
	1	38225	38024	38247	38208	38166	38144	38209	38328	38217	38589	38598	38451	101.070
	2	38323	38311	38230	38614	38490	38102	38735	38870	38240	38196	38330	38311	101.366
	3	38233	38220	38266	38028	37832	38376	37812	38016	38172	38047	38401	38349	100.705
	4	37683	38101	38459	38354	38737	38151	37657	38668	38618	38238	38256	38121	100.989
	5	38621	38507	38499	38049	38793	38219	37880	38654	38509	38468	38208	37951	101.279
	6	38327	38523	38339	38234	38523	37897	38134	37859	38567	38406	37666	38319	100.935
	7	38590	38370	38049	38237	37903	38352	38320	38437	38227	37829	38932	38582	101.162
	8	38148	38529	38374	38176	38899	38271	37902	37979	38274	38589	38588	38210	101.186
	9	37913	38056	38974	38229	37776	38746	38317	38588	38490	38632	37908	38250	101.174
	10	37898	37860	38346	38561	38142	38097	38433	38247	38156	37973	37857	38597	100.797
	11	37831	37829	38567	38038	38150	38234	38255	38400	38646	37960	38450	37987	100.837
	12	38591	38071	38451	38058	38238	37770	38340	38324	38772	38109	38318	38154	101.023
	13	38429	37806	38232	38442	38342	38491	38654	38093	38202	38180	38281	38480	101.119
	14	37932	38546	37769	38162	38097	38085	37915	37826	38002	38475	38315	38004	100.568
	15	37915	37767	38074	38214	38752	38304	38094	37962	37622	38201	37819	38252	100.535
	16	38529	37670	37991	38351	38329	37610	38066	38490	38199	37816	37914	38495	100.641
	17	38334	38566	37788	37858	38466	37668	37902	37946	38226	37886	37672	38460	100.490
	18	37807	37940	37809	38242	38099	37819	38536	38070	38529	38235	38290	37752	100.568
	19	37668	37815	38171	38058	38212	38179	37937	38161	37861	38123	38200	38702	100.558
	20	37879	38416	38782	38446	37933	38052	38201	38677	37763	38053	37792	38133	100.789
	21	37984	37965	38353	38457	37759	38227	38535	38217	38349	38517	38425	38419	101.025
	22	37958	38016	38934	37601	38266	38601	38116	38048	38535	38279	38132	38453	100.966
	23	37891	38364	38082	38671	38029	39020	38191	38279	38304	38227	37647	37963	100.907

INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data – December 2018										16 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
5	0	38519	38509	38128	38684	38291	38730	38367	38531	37784	38310	38107	38076	101.213	
	1	38027	38161	37827	37900	38663	38383	38552	38180	37998	38559	38682	37873	100.937	
	2	37979	38105	38249	38062	38798	38308	37873	38456	38584	37473	38413	37862	100.796	
	3	38133	38127	38017	38084	38011	38228	38608	38428	38226	37556	38381	37973	100.710	
	4	38503	38708	38398	38555	38446	37756	38276	38186	38391	38187	38226	38796	101.294	
	5	38011	38393	38277	38279	38070	37627	38147	37921	37936	38059	38436	37507	100.466	
	6	38460	38672	38206	38898	38228	38466	38522	37909	38413	37978	38422	37631	101.157	
	7	38292	38116	38384	38779	37969	37528	38059	38423	38229	38444	38329	38571	101.007	
	8	37957	38269	38089	38139	38333	38397	38286	37854	38088	37983	38057	38368	100.721	
	9	38510	38893	38007	37847	38580	37943	38090	38008	38513	38048	38106	38404	100.969	
	10	38266	38486	38386	38543	38249	38477	37584	38172	37915	38103	38040	38024	100.814	
	11	38240	38303	37991	38294	38565	37997	38655	37867	38238	38216	38174	38806	101.056	
	12	38499	38052	38036	38266	38512	38841	38334	37663	37937	38368	38540	38411	101.081	
	13	38611	38343	37791	37949	38306	38037	38431	38178	38304	38372	38124	37590	100.768	
	14	38380	37924	38069	38562	38885	38417	38455	38102	38536	38836	38219	38942	101.492	
	15	38282	37895	38558	38481	38349	38187	38353	38312	38648	38542	37917	38248	101.150	
	16	37933	38342	37971	37998	38530	38486	37949	37633	37986	37675	39079	38231	100.719	
	17	38843	38062	37923	38463	38629	38436	38113	38341	38422	38111	38183	38131	101.125	
	18	38046	38691	38422	37803	38609	38296	37664	38706	38414	37929	38622	37775	100.976	
	19	37963	37825	38509	38677	38212	38317	38127	37941	38186	38751	38515	38369	101.066	
	20	38077	38282	38433	38757	37678	38056	38207	38426	37750	37841	37859	37710	100.557	
	21	37822	38910	38023	38231	38588	37477	37963	38340	37984	38217	38165	38377	100.781	
	22	38673	38329	38259	38541	38108	38487	37880	38672	38571	38660	38308	37980	101.303	
	23	38120	38427	37261	38141	38455	38459	37652	38213	37982	38212	38154	38682	100.707	
6	0	38323	37700	38255	38278	38176	38168	38022	38083	38350	38715	38485	37931	100.862	
	1	38112	38359	38455	38450	38706	38382	38676	38514	38387	38330	38579	38686	101.560	
	2	38541	38007	38362	38612	38809	38247	38150	38139	38190	38155	38749	38281	101.253	
	3	38086	37978	38399	38361	38172	38454	38616	39105	38333	38045	38357	38561	101.303	
	4	38292	38093	38019	38514	37869	38306	37715	38059	38147	38064	38013	38680	100.709	
	5	38640	37580	38040	38415	37876	37903	37814	38438	37821	37953	38778	38182	100.637	
	6	37971	38545	38667	38741	38707	38106	38238	38331	38387	38447	37973	38379	101.308	
	7	38363	38741	38541	38283	37996	38646	37724	37730	38417	38325	38321	38365	101.079	
	8	38637	38327	37811	37889	38660	38365	38037	38255	38434	38552	38337	38351	101.125	
	9	38186	38573	38011	38317	38466	38534	38598	37951	38451	38020	38269	38094	101.084	
	10	38290	38006	38223	38494	37740	38583	38471	37784	38011	37562	38577	38602	100.835	
	11	38099	37790	38611	37568	38252	38511	38035	38770	37585	38157	38188	38223	100.713	
	12	38077	37683	38605	38559	38383	38155	38476	38561	38509	37777	37883	38108	100.930	
	13	38231	38533	38430	38605	38248	38295	38357	38496	38455	38336	37796	38255	101.208	
	14	38741	38039	38329	37953	38395	38332	38754	38235	38762	37872	38601	38471	101.306	
	15	38289	39009	38542	37732	39049	37691	38028	38533	38279	38132	37751	38175	101.026	
	16	38584	38484	38591	38191	38595	38215	38525	38316	37722	37745	38231	38720	101.182	
	17	38376	38632	38696	37866	38367	38153	38821	38140	38919	38602	38186	37791	101.322	
	18	38760	38044	38235	38635	38399	38115	37766	38191	38578	38477	38407	38797	101.289	
	19	38211	38018	38228	38281	37822	38097	37971	37507	38346	38298	38466	38629	100.732	
	20	38874	37709	38131	38422	38108	38565	38143	38213	38614	38268	38212	38669	101.184	
	21	38089	38008	38486	38337	37864	38528	38364	38460	38193	38177	37914	38124	100.880	
	22	38620	38646	38785	38579	38652	38114	37833	38002	38484	38330	37892	38559	101.310	
	23	38119	38737	38038	38086	37936	38509	38135	38320	38578	38336	38211	38754	101.147	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
7	0	37904	38638	38210	38440	37910	37597	38347	38657	38223	38390	38105	38301	100.916
	1	38784	38693	38186	38413	37991	38050	38258	37886	37844	38653	37590	38479	100.942
	2	38634	38799	38463	38382	38446	37755	38393	37477	38617	38146	37789	38539	101.077
	3	38382	38076	38341	37784	39093	38524	38376	37831	38233	38832	38630	38407	101.312
	4	38634	38544	38855	38185	38219	38327	38797	38724	38065	38321	38639	38263	101.546
	5	38024	37924	38666	38367	38509	38416	38787	38140	38868	38708	39043	38334	101.593
	6	38491	38456	37906	38163	37955	38416	38129	38547	38866	38575	38356	38319	101.240
	7	38702	38542	38875	38963	38239	38316	38502	38579	38588	37995	38530	38454	101.703
	8	38511	38497	37864	38513	38154	38206	38393	38633	38737	38727	37786	38737	101.367
	9	38375	39260	38297	38569	38652	38512	38491	38115	38442	38565	38560	37945	101.592
	10	38561	38221	39023	38673	37869	38174	38475	38569	38258	37845	38415	38593	101.349
	11	38607	38548	38070	38254	38100	38328	38239	38490	38846	38028	38327	38305	101.231
	12	38248	38264	38074	38473	38016	38391	38399	37927	38262	39118	38464	38291	101.184
	13	38096	38900	38309	38818	38433	38334	38241	38647	38175	38225	38179	38639	101.419
	14	38365	38914	38407	38741	38198	38183	37769	37967	38542	38081	38422	38261	101.167
	15	38772	38153	37831	37925	38399	37981	37808	38127	38404	38076	38529	38294	100.826
	16	38747	38342	38151	38108	38389	37956	37639	38686	38084	37527	38149	38015	100.714
	17	37945	38012	38159	38542	38564	38546	38618	38508	38002	37943	38174	37684	100.913
	18	37894	38290	37789	38696	38353	38499	38298	38771	37802	37908	37813	38408	100.875
	19	38097	38307	38306	37879	38144	39018	37977	38136	38595	37843	38497	38602	101.068
	20	38154	38456	37965	38744	38378	38371	38071	38140	38458	37961	38176	37743	100.895
	21	38011	38033	37950	37764	37895	37910	38052	37992	38478	38171	38053	38163	100.424
	22	38434	38272	38362	37974	38502	37918	37900	38299	37402	38109	38075	37623	100.510
	23	38458	37772	37890	38408	38474	38326	38334	37973	37866	38364	38346	38323	100.878
8	0	38331	37800	38113	38535	38097	38234	37477	38154	37510	37727	37557	37918	100.184
	1	38076	38239	38270	38073	38168	37859	37806	38147	37884	38199	37764	37764	100.374
	2	38183	38509	38192	37886	37828	38468	37748	37641	37668	38423	38003	38424	100.535
	3	38620	37981	37619	37935	37711	38074	37881	37583	38625	38597	37957	38187	100.490
	4	38007	38108	38000	38037	37710	38016	38023	37850	38224	37899	38354	38461	100.471
	5	38749	38385	37731	37906	38692	37637	38267	38217	38634	38361	38587	38257	101.073
	6	38274	37867	38272	38617	37710	38699	38660	38431	38751	38607	38298	38318	101.311
	7	38493	38759	38154	38655	38268	38473	38541	38530	38358	38255	38260	38687	101.515
	8	38119	37632	38423	38784	38167	38215	38874	38045	38256	38668	38605	38643	101.294
	9	38725	38710	38427	38934	38741	38650	38588	38121	38916	38409	38200	38456	101.834
	10	38227	38239	38111	38514	38296	38015	38483	38534	38474	38282	38351	38334	101.169
	11	38135	38264	38099	38539	39077	38127	38201	38484	37947	38391	38641	38425	101.273
	12	39081	38329	38093	38113	38498	37756	38101	38178	37762	38293	38254	37838	100.826
	13	37790	37841	38195	38406	37730	37883	38294	38957	38011	38773	37942	38100	100.743
	14	38252	38694	38254	38236	37912	37983	37932	38184	38495	38241	38353	38165	100.914
	15	38050	37719	38592	37741	38317	37720	38021	38192	38146	38028	38773	38058	100.619
	16	38472	38683	38273	38043	38067	38223	38154	37903	37980	38012	37770	38205	100.714
	17	37973	38132	38299	38072	38312	37656	38294	37873	38300	38427	37987	38426	100.705
	18	37936	37992	38151	38297	38190	38418	37639	38245	38634	38339	38136	38393	100.842
	19	37646	38080	38250	38449	38145	38177	38100	37887	38384	37943	38036	38220	100.610
	20	38081	38393	37537	38389	37662	37977	38259	38062	38269	38073	38476	38701	100.733
	21	37610	38037	38575	37960	38258	38355	38004	38381	38476	38110	38163	38559	100.867
	22	38557	38452	38244	37873	38263	37808	38183	38665	37963	38240	38527	38307	100.998
	23	38022	38343	37515	37997	37855	37957	39089	38415	38116	37908	37605	38371	100.582

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
9	0	37765	37733	37900	38787	38135	37644	37875	38277	38328	37951	38198	37774	100.397	
	1	38174	38578	38451	38494	38040	37929	38289	37974	37592	38218	37964	37923	100.678	
	2	38280	38176	38198	37796	38114	37874	38036	38181	38071	37717	38224	38033	100.474	
	3	37551	38324	37880	38261	37844	38227	38108	37895	38485	38028	38348	37702	100.464	
	4	38052	38205	37751	38207	37894	38348	37820	38445	38261	38349	37918	38078	100.612	
	5	37670	38615	38646	38448	38289	38020	37652	38668	37777	38286	38419	37995	100.867	
	6	37900	38631	38053	38158	38285	38673	38230	38291	38612	38056	38020	38300	101.026	
	7	38235	37776	38019	38354	38394	38185	38477	37818	38166	37931	38405	38115	100.733	
	8	38392	38842	38428	38348	38352	37371	38168	38337	38883	37876	38222	38162	101.064	
	9	38723	38861	37854	38022	38647	38494	38511	38203	38255	38380	37947	37944	101.164	
	10	38532	37687	38055	38384	38725	38321	38295	38245	38388	38262	37959	38425	101.042	
	11	38409	38559	38285	38096	38231	37906	38085	38158	38338	38290	38187	37842	100.844	
	12	38009	38359	37822	38236	38130	38208	37800	37892	37873	38251	38529	37849	100.531	
	13	38381	38034	38443	37975	38364	38099	38384	37881	37874	38256	37744	37980	100.631	
	14	37846	37975	38127	38043	37906	37920	38385	37966	38061	38696	37943	38212	100.557	
	15	38111	37569	37769	37902	38141	38182	38033	37838	37888	37847	37815	38571	100.247	
	16	37876	38264	38286	38366	38595	38310	37511	37991	38218	37825	37719	37848	100.499	
	17	37916	37975	37611	37908	38187	38725	38553	37645	38138	37976	37908	38152	100.473	
	18	38351	38643	38183	37889	38819	38174	38626	38168	38670	38138	37866	38452	101.196	
	19	38701	38569	38735	38333	38218	37729	38014	38746	38439	37900	38344	38038	101.149	
	20	38283	38088	37898	38002	38405	37850	38147	38563	37972	37781	37674	38028	100.472	
	21	37699	38193	38364	38311	38672	38508	38505	38459	38665	38259	38113	38260	101.202	
	22	38387	38167	38527	38078	37923	38313	38495	37908	38575	38040	38608	38270	101.044	
	23	38081	37990	38067	38112	37814	37808	38413	38512	38456	38417	37819	37942	100.635	
10	0	38220	38368	38077	37883	38393	37743	37990	38584	38471	37996	38128	38111	100.757	
	1	38405	38239	37580	37657	37699	37954	38051	37967	38006	37889	37988	38296	100.261	
	2	38080	38270	38205	38333	38298	38266	38370	37774	37962	38795	38117	38053	100.876	
	3	38329	38242	38364	38053	38156	38279	38403	38176	38507	37687	38057	37710	100.752	
	4	38248	38597	38417	37957	38203	38540	37693	37993	37995	38235	38295	38071	100.814	
	5	38628	38633	38349	37450	37842	37831	38255	37962	37791	37986	37932	38033	100.472	
	6	38442	38428	38825	38242	37635	37869	38166	38301	38373	37602	38647	38173	100.915	
	7	38108	38015	37636	38125	38136	38569	38093	38208	38129	38458	38434	38450	100.839	
	8	38211	38280	38242	38662	39070	38879	38917	38512	38087	38106	38554	38487	101.642	
	9	37918	38397	38638	38102	37987	38253	38793	38552	38706	38259	38432	38168	101.245	
	10	38204	38501	38700	38513	38350	38103	38332	38038	38520	38569	38998	38591	101.512	
	11	38129	38111	37999	38667	38375	38081	39023	38510	38064	38798	38351	37898	101.201	
	12	37978	38283	38510	38042	38396	38066	38741	38112	38421	38155	38713	38244	101.126	
	13	38685	38048	38633	38271	38423	37965	38825	38122	38554	38325	37518	38125	101.089	
	14	38209	39191	38437	38344	38042	38553	38612	38905	38605	38130	38051	38112	101.462	
	15	38621	38159	38483	38011	38082	37797	38127	38291	37663	37818	38278	38344	100.688	
	16	38285	38086	38227	38275	38071	38179	38248	38186	38192	38484	37750	37975	100.751	
	17	38266	38285	38287	38317	38261	38121	38134	38241	38432	38404	38156	38943	101.166	
	18	38498	38508	38224	38447	37527	38562	38502	38338	38303	38299	37397	38022	100.898	
	19	38609	38033	38022	38347	38025	37961	38243	37826	37839	38212	38793	37978	100.736	
	20	38244	38448	38647	38575	38815	38013	38024	38258	38248	38702	38593	38455	101.425	
	21	38131	38146	38176	38022	38479	37985	38430	39117	38055	38466	38140	38561	101.136	
	22	38578	38580	37669	38733	38233	38469	38543	37488	38118	38297	38871	38282	101.170	
	23	38681	38415	38058	38339	37876	38038	38418	38148	38326	38121	38280	38284	100.976	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
11	0	37987	38193	38384	38501	38902	38218	38781	37822	37926	38637	38201	38023	101.114
	1	37800	38078	38133	37986	38596	37515	37821	38198	37737	38534	38311	38534	100.593
	2	38640	38107	37978	38320	38338	38181	38460	37884	37736	38224	37926	38870	100.906
	3	38552	37738	38062	38492	38377	38165	38135	38433	38306	38409	38000	37823	100.868
	4	38579	38315	38869	38380	37925	37991	37623	37534	38554	38496	38352	38147	100.928
	5	38185	38344	38038	38651	38345	38727	37489	38273	38309	37928	38617	38651	101.103
	6	38130	38456	38220	38659	38740	38848	38162	38745	38216	38786	38332	38805	101.662
	7	38775	38603	38132	37956	38445	38843	38759	38579	38616	38943	37922	38457	101.646
	8	38362	38154	38792	38655	38260	38259	38623	38463	38160	38865	38611	38461	101.566
	9	38302	38949	38395	38169	38732	38554	38689	38387	38814	38316	38881	38339	101.756
	10	38419	38877	39014	38156	38497	38189	38420	38847	38440	38718	38571	38829	101.855
	11	38256	38627	38388	38563	38127	38803	38409	38493	38689	38746	38085	38109	101.485
	12	38260	38923	37981	38280	38691	38686	38668	37937	38094	38627	38660	38064	101.392
	13	38000	38407	38742	38293	38436	38475	38487	38832	38666	37871	38278	38434	101.402
	14	37983	38397	38333	38107	38439	38492	38824	38725	38322	38048	38408	38132	101.246
	15	37979	38286	38288	38095	38125	38170	37555	38140	38506	38162	38431	38387	100.787
	16	38155	38264	38106	39031	37917	38465	38176	37557	38493	38128	38934	38375	101.112
	17	38306	38339	38321	38989	38104	38751	38847	38638	38241	38009	38581	37996	101.447
	18	38472	38309	38019	38377	38295	38007	37909	37791	37992	38447	38653	38456	100.920
	19	38540	38920	37996	38053	38366	37981	37801	38453	37508	38658	37794	38404	100.864
	20	38172	38061	38283	38249	38852	38280	38431	38276	37802	38239	38364	38689	101.134
	21	38308	38559	38319	37708	38341	38281	38777	38172	38504	38261	38621	38161	101.203
	22	38969	37955	38087	38589	38749	38381	38376	38190	37674	38038	38582	38696	101.263
	23	37959	38492	37927	37967	38352	38204	38078	38043	38423	39085	38374	38234	101.011
12	0	38012	38489	38627	38112	38174	38347	38223	38540	37348	38714	38146	38417	101.011
	1	38290	38138	38510	38160	38321	38560	38111	38324	38224	37974	38245	38443	101.046
	2	38031	38417	37682	38196	38336	38335	38160	37698	37944	37486	38317	37732	100.393
	3	38031	37858	37962	38298	38885	37860	37931	38477	38581	38614	38045	38056	100.892
	4	38482	38753	38677	38358	38347	38559	37984	38194	37992	38052	37997	38737	101.229
	5	38236	38065	38461	38452	38335	38432	38295	38121	38623	38736	37841	38557	101.234
	6	38051	38667	38733	38171	38341	38560	38834	38873	38214	38225	37987	38168	101.382
	7	38180	38710	38308	37784	38750	38667	38714	38693	38032	38852	38547	38496	101.582
	8	38441	39389	38579	38307	38311	38651	38388	38624	38297	38037	37949	38144	101.446
	9	38108	38686	38540	38164	37878	38473	38769	37986	38277	38433	38460	38329	101.223
	10	37963	38129	38397	37952	37986	38540	38497	38130	38052	38653	38227	38161	100.911
	11	38446	38443	38180	38123	38441	38077	38475	37960	38495	38632	38229	38030	101.097
	12	38074	38649	38389	38298	38163	38629	37633	38406	38459	38419	38221	38189	101.097
	13	38278	37894	38644	38275	37737	38025	38147	38400	38864	38210	38560	38465	101.090
	14	38531	38354	38466	38218	38088	38325	38461	38396	38541	38359	38292	38606	101.340
	15	38540	38865	37677	38276	38899	38093	38774	38909	38022	38554	38103	37910	101.337
	16	38376	38826	38875	38123	38646	38739	39135	38223	38231	38395	38082	38694	101.716
	17	37846	38468	37675	38365	38021	38066	38336	38432	38188	38489	38803	37909	100.891
	18	38362	38198	38533	38195	38310	38961	37944	38152	38085	38945	38353	38658	101.353
	19	38704	38527	38547	38542	38091	37989	38072	38668	37654	37821	38013	38807	101.076
	20	38434	38296	38331	38670	38164	38085	37939	38547	38718	38486	38234	38623	101.316
	21	38055	38210	37954	38876	38258	38758	38114	38759	38725	38149	38430	38159	101.298
	22	38358	37970	38563	38088	38233	37916	37819	38512	38575	38359	38226	39250	101.172
	23	38143	38285	38383	38383	38373	38066	38492	38841	38110	38051	38145	38656	101.185

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
13	0	38436	38237	38030	38343	37824	38121	38324	38469	38440	38244	38283	38471	101.025	
	1	38121	38738	38331	38358	37980	38323	38261	37492	38597	38355	38444	38036	100.988	
	2	38366	38297	38643	38130	38454	38443	37940	38446	38381	38525	39418	38307	101.497	
	3	38725	38098	38562	38608	38251	38392	38004	38419	38583	38437	38435	38988	101.531	
	4	38263	38549	38466	37988	38532	38498	38376	38399	37608	38319	39125	38052	101.238	
	5	38590	38594	37703	38093	38829	37987	38693	38042	38515	37818	38192	38849	101.179	
	6	39086	38294	38681	38494	38297	38344	38551	38614	38154	37973	38318	37699	101.311	
	7	38545	38441	37825	38806	39315	38580	38349	38176	38392	38411	38527	38378	101.584	
	8	38386	38431	38376	38802	38840	38878	38409	37957	38299	38406	37683	38247	101.356	
	9	38357	37698	38131	38275	38360	38540	38369	38208	38910	38267	38509	38589	101.248	
	10	38426	37869	38472	38248	38829	38434	38243	38539	38239	38308	38195	38699	101.310	
	11	38898	38364	38218	38337	38388	38127	38365	38012	38316	38292	38384	38747	101.299	
	12	38585	38825	37805	38515	37942	38693	38286	38272	38538	38864	38362	37845	101.317	
	13	38274	37985	38235	37906	38468	37818	39329	38237	38959	37945	38120	38008	101.042	
	14	38681	37845	37838	38131	37884	38579	37833	37879	38374	38428	38176	38041	100.692	
	15	38304	38149	38091	38206	38200	38607	38168	38351	38101	38305	38578	38174	101.032	
	16	38485	38079	37769	38048	38208	37562	38111	37060	38354	37962	37908	38319	100.290	
	17	38396	38194	38088	38266	38572	38691	38035	38499	37981	38556	37860	37910	100.990	
	18	38335	38674	38019	38444	38199	37974	38111	38192	37806	38068	37785	38200	100.717	
	19	38042	38552	38422	38402	38657	37903	38244	37918	38189	37662	38713	37785	100.868	
	20	38190	37726	38348	37986	38388	38155	37792	37783	38185	38687	38445	38174	100.729	
	21	38769	38760	38254	38784	38619	38563	38266	37982	37755	37690	38259	38177	101.173	
	22	37769	38289	37913	38145	37945	38487	38150	37873	38127	38508	37924	38217	100.617	
	23	38030	38231	37702	37873	38375	38109	37649	37885	38102	37969	38462	37796	100.361	
14	0	38438	37831	38666	38545	38215	38356	37943	38265	38428	38495	38086	38459	101.134	
	1	38146	38151	37911	38134	38117	37853	38441	38390	38531	38690	38144	38415	100.963	
	2	38733	38454	38517	38713	38117	38451	37953	37583	38295	38257	38128	38269	101.083	
	3	38463	38111	38833	38029	38479	38504	38463	38205	38501	38684	39082	37980	101.494	
	4	38220	38249	38165	37901	38807	38571	38158	38554	38128	38103	38671	38332	101.169	
	5	38358	37980	38303	38289	38280	38107	38788	38303	38678	38351	38212	38601	101.255	
	6	38142	38355	38152	38156	38314	38270	38283	38342	38648	38200	38721	37871	101.080	
	7	38564	38042	38107	38161	38458	38111	38633	37646	38480	38720	38476	38061	101.081	
	8	38676	38650	38359	37856	38289	38745	37910	37873	38614	37749	37806	38358	100.955	
	9	38055	38638	38017	38337	38344	38303	37866	38082	38577	38469	38585	38026	101.046	
	10	38446	37974	38314	38228	38154	38456	37910	38268	38379	37922	38209	37502	100.708	
	11	38564	38429	38618	38370	38315	37909	37894	38395	38311	38175	37974	38315	101.039	
	12	38173	38202	38006	38570	38693	38693	38507	38075	38127	38293	38711	37938	101.197	
	13	37888	38050	38066	38075	38304	37931	38193	37871	38069	38404	38669	38779	100.826	
	14	38395	38193	37793	38485	38353	38164	38217	37922	38301	37891	38228	38323	100.818	
	15	38084	38129	38202	38504	38388	38406	38343	37660	38470	37805	38094	37991	100.777	
	16	38015	37681	38457	38400	38600	38026	37900	38148	37660	38023	37767	38543	100.589	
	17	37896	38337	38473	37820	37752	38033	38019	37711	38105	38450	38031	37920	100.440	
	18	37878	38311	38021	38014	38116	38446	37964	37986	38579	38070	38215	38011	100.674	
	19	37645	37834	38518	37846	38179	38262	37886	38068	38076	37992	37728	37921	100.311	
	20	37994	38612	37988	38252	37999	37842	38521	38301	38333	37571	37985	38231	100.678	
	21	38097	38247	37985	38418	37922	38140	38337	38026	38015	37542	38182	38321	100.591	
	22	38307	38388	37765	37888	37841	37611	37812	37788	38433	38427	37951	38484	100.473	
	23	38509	37965	38048	38444	38417	38090	38347	37736	38454	38000	38161	38273	100.857	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
15	0	37958	38140	37670	37862	38069	38620	38205	37782	38357	38299	38300	37879	100.575
	1	38008	38255	38485	38242	38064	38160	38101	38494	38282	37987	38568	38222	100.951
	2	38469	38315	38352	38828	38366	38432	39178	37880	38575	38800	38202	38680	101.657
	3	38570	38216	37864	38836	37793	38470	37814	37922	38457	38092	38173	38437	100.901
	4	38605	38165	37939	38998	38569	38658	38186	38305	38755	38153	38202	38590	101.447
	5	38135	37895	38825	38173	38494	38961	37846	38047	39150	38963	38046	38190	101.359
	6	38418	38271	38426	38054	37901	38090	38622	38558	38947	38634	38311	38444	101.349
	7	38451	38597	38178	39117	37916	38595	38288	37797	38080	38320	38268	37846	101.080
	8	38914	38160	38705	38403	38436	38182	38190	37992	38377	38153	38979	38822	101.489
	9	38216	38583	38119	37972	38702	38431	38527	38321	38180	38074	38469	38219	101.159
	10	38194	38334	38150	38021	38650	38286	38597	38205	38989	38094	38711	37559	101.154
	11	38328	37734	38283	38432	38184	37894	38501	38670	38722	37928	38179	38711	101.105
	12	38501	38223	37474	38567	38096	38202	38409	38263	38279	37682	38002	37870	100.665
	13	37945	38687	38409	38117	38050	37972	38677	38334	38320	38232	38029	38159	100.965
	14	38414	37793	37720	37841	38032	37979	37995	38264	38623	38661	38505	38506	100.832
	15	38603	38175	38427	38036	38618	38382	37988	38940	38845	38005	38462	38313	101.375
	16	38305	38325	38317	38499	38247	38785	38280	38095	37973	38181	37822	38258	101.000
	17	37832	38393	38132	38789	38087	38215	38417	38604	37914	38681	37743	38170	100.975
	18	37954	38227	37827	37804	38286	38545	38256	37932	37770	38685	38604	38431	100.830
	19	38638	38190	38377	38642	38246	38303	38321	37829	38300	38548	38225	38191	101.158
	20	37759	38052	37690	37894	38215	37719	38547	38244	38248	37769	38069	37584	100.274
	21	37948	38397	38350	38488	38195	38193	38234	38273	37649	38356	38951	38709	101.143
	22	38607	38387	37735	38079	38127	37984	38382	37977	37681	38611	38947	38238	100.926
	23	38251	38513	38666	38347	38170	38988	38668	38044	37729	38702	38185	38016	101.261
16	0	38087	38797	38528	38466	38155	38089	38480	39053	38460	38065	37792	38291	101.263
	1	38294	38351	38255	37734	37787	37650	38535	38449	37842	38243	38181	38435	100.706
	2	38090	38394	38132	39171	38177	38425	38537	38157	38257	37684	38569	38027	101.117
	3	38176	38685	38283	39088	38546	38109	38645	38589	38927	38330	38023	38569	101.634
	4	38544	37978	38697	38486	38475	37731	38774	38955	38551	38097	38240	38276	101.377
	5	38265	38690	38449	38217	38262	38349	38728	38137	38719	38762	37946	38133	101.345
	6	38432	39248	37959	38329	38205	38429	38709	38976	38284	38094	37935	38711	101.488
	7	38458	38145	38938	38832	38724	38328	37924	37677	38885	38957	38641	38232	101.583
	8	38348	38405	38409	38523	38434	38502	38281	38196	37724	38677	37876	38559	101.186
	9	38208	38262	38047	38339	38634	38655	37809	38611	38149	38195	38179	37669	100.926
	10	38844	38546	38607	38359	38004	38192	38403	38012	38736	38774	38286	38587	101.497
	11	37877	38515	38215	37932	37747	38224	37998	37883	37939	37899	38129	38222	100.448
	12	38256	38864	38459	38506	38635	38618	38374	38092	38743	38578	37987	38645	101.587
	13	38531	38203	38364	38307	38338	38473	38406	38233	38387	38830	38378	38366	101.379
	14	37941	37690	38353	37921	38192	37978	38367	37880	37809	38318	37618	37927	100.318
	15	37922	38333	38082	37993	38062	38598	38206	38613	38159	37977	38447	37850	100.813
	16	38309	38303	37924	38108	38378	38333	37871	38566	38460	38029	38195	38555	100.987
	17	38252	38857	38112	37909	38397	38689	37673	38149	37773	37882	37963	38513	100.797
	18	38209	37850	37663	38470	38609	37623	37786	37984	38271	38123	38048	38559	100.584
	19	38009	37934	38119	38141	38405	38195	37777	38056	38466	38274	38414	37855	100.683
	20	38127	37819	38571	38083	37590	38193	38665	38204	38887	38309	38241	38699	101.066
	21	38258	38035	38209	37728	38360	38650	38167	38141	38064	37656	37559	37862	100.471
	22	38175	38430	38543	37437	38074	38379	37924	37826	38407	38161	38172	37775	100.606
	23	38266	38665	38753	38272	38311	37777	38331	39322	38169	38404	38419	38246	101.406

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
17	0	38378	38328	38582	37965	37723	37905	38442	37887	38489	38026	38420	38019	100.788	
	1	38407	37918	38332	38341	38289	38791	38621	38977	38041	38721	38007	39027	101.524	
	2	38860	38137	38445	38194	37773	38266	38599	38222	38821	38204	38055	37894	101.083	
	3	38292	38690	38641	38334	38627	38248	37993	38521	38575	38012	38216	38574	101.359	
	4	38051	38047	38888	38184	38657	38356	38897	38551	38345	38554	38098	38390	101.424	
	5	37998	38212	38772	38734	38569	38274	37932	38395	38368	38429	37986	38351	101.205	
	6	38386	38478	37737	38234	37980	38487	38522	37807	37873	38702	38656	38330	101.022	
	7	38513	38188	38432	38376	38416	38828	38556	38289	38532	38501	38297	38789	101.578	
	8	38741	38358	38753	38976	38865	38383	38473	37773	38551	38339	38256	38521	101.638	
	9	38254	38343	38215	38032	38182	38334	38319	38374	38497	38611	38170	38522	101.168	
	10	38109	38008	38360	38528	38879	38664	38119	37978	38468	38478	38459	38005	101.213	
	11	38292	38451	38111	38315	38534	38115	38287	38691	38409	38552	38718	38045	101.315	
	12	38204	38245	38637	38153	38372	38516	38623	38952	38476	38239	38849	38390	101.564	
	13	37956	38065	38664	38551	39424	38175	38179	38340	38377	38462	38135	37875	101.245	
	14	38662	38477	38262	38392	38734	39132	38530	38457	38767	38412	37788	38331	101.628	
	15	38152	38271	38321	38062	38545	38289	38250	38589	37918	38085	38073	37962	100.874	
	16	38624	38330	37990	38440	38124	38437	38899	38242	39025	38694	38720	38565	101.659	
	17	38231	38321	38048	38344	38357	38380	38894	38943	38101	38909	38029	38355	101.401	
	18	38637	38878	38162	38391	38632	38679	38384	38483	38973	38415	38674	38260	101.766	
	19	38185	37996	38148	38639	38506	38366	38412	38355	38178	38731	38151	37903	101.105	
	20	38194	37918	38072	38169	38279	37964	38051	38572	39143	38519	38389	38089	101.059	
	21	38342	38647	38107	38525	37729	38461	37588	38335	38567	37964	38235	38312	100.939	
	22	38314	38448	38622	37835	38191	37857	37822	38069	38215	38673	38332	38307	100.910	
	23	38285	37929	38632	38114	38454	38040	38075	38316	38234	38359	38641	38124	101.024	
18	0	38378	38167	38318	38274	37868	37796	38422	38369	38320	37993	37807	38385	100.799	
	1	38594	38338	39131	38698	38321	38319	38135	38592	38665	38647	38590	38588	101.776	
	2	38197	39000	37898	38291	38176	38309	37907	38001	38099	38133	37498	38339	100.726	
	3	38490	37975	38080	39118	38431	38549	38739	37920	39047	38525	38678	39138	101.792	
	4	38976	38571	37873	38179	38541	38175	38551	38086	38291	38614	38003	38320	101.240	
	5	38359	38411	38464	38150	38755	38328	38140	38916	38506	38000	37827	37512	101.062	
	6	38095	38311	37990	37915	38492	38588	38383	38140	38073	38565	38224	38739	101.093	
	7	38650	38799	38023	38581	38353	38707	38129	38248	37930	38185	39054	38549	101.466	
	8	37947	38326	38859	38286	38236	38707	38167	38595	38839	37691	38337	38341	101.273	
	9	38493	38696	38723	38368	38466	38018	38940	38575	38539	38436	38385	38657	101.705	
	10	38433	37841	38236	38464	38709	38339	38196	38251	38257	38334	38455	38643	101.235	
	11	38454	38338	37767	37758	38059	38563	38962	38420	38849	38404	37842	38469	101.174	
	12	38163	38289	37853	38563	38395	38283	37790	38054	38418	38393	38883	38052	101.010	
	13	38860	38286	38896	37910	38797	38549	38867	38416	38326	38072	38602	38424	101.641	
	14	38884	38981	39320	38411	38376	38464	38376	38232	38822	38295	38216	38115	101.748	
	15	37780	37930	38632	38155	38500	38249	38037	38334	38682	37776	38603	38513	101.022	
	16	38574	38312	38273	38225	38391	38682	38411	37990	38047	37886	38381	38420	101.110	
	17	38196	38300	37827	37713	38504	38172	38578	38605	38134	38924	37955	38189	101.001	
	18	38628	38551	38399	38602	38199	38422	38408	37679	38218	37919	38801	38626	101.300	
	19	38687	38197	38244	38324	38590	38400	38369	37946	38607	38428	38024	38103	101.182	
	20	38336	38245	38542	38239	38337	38643	38547	38542	37915	38220	38707	38279	101.322	
	21	37744	38157	38207	37937	38280	38227	38308	38096	38517	38507	38408	38000	100.846	
	22	37631	38526	38578	37745	38000	38132	38555	38026	38553	38216	37892	38090	100.748	
	23	38445	38565	38366	38368	38172	37689	37852	38076	38203	37900	38236	38160	100.767	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
19	0	37775	38311	37740	38615	38630	38768	38187	38051	38209	37908	38396	37972	100.886
	1	38576	38038	37698	38228	37326	38423	38339	38918	38361	38307	38151	38048	100.851
	2	38252	37839	38683	38247	38508	37433	38596	37959	38125	38330	38124	37662	100.706
	3	38224	38608	38208	38823	38139	38451	38447	38321	37811	38097	38966	38143	101.252
	4	38228	38446	38220	38251	38378	38345	38332	37977	38503	38375	38445	37943	101.077
	5	37759	38613	37862	37892	38211	38963	38776	38941	38768	38418	38493	38527	101.469
	6	38329	38629	38095	38670	39070	38391	38618	38556	37813	38493	38429	38610	101.575
	7	38465	38361	38900	38718	38356	38876	38906	38881	38601	38925	38755	38279	102.085
	8	38059	38407	38324	38684	38557	38448	38577	38927	38184	38393	38220	38501	101.482
	9	39496	38596	39452	38099	39072	38391	38542	38775	39347	38733	39079	38344	102.503
	10	38839	38363	38992	38171	38656	38333	38983	38357	38519	38819	38065	38230	101.711
	11	38498	38887	38313	38572	38809	38885	39100	39198	37993	38351	38966	38684	102.136
	12	38355	38310	38618	38235	38747	38615	38741	38655	38564	38344	38006	37851	101.429
	13	38210	38691	38676	38807	38059	38715	38393	38543	38136	38094	38239	38201	101.368
	14	38156	38412	38409	38373	38907	38550	38087	38148	38258	38445	38205	37795	101.144
	15	38351	38174	38285	38249	38132	38498	38197	37786	38149	38115	38311	38383	100.898
	16	37882	38547	38309	38390	37737	37900	38233	38479	39126	38023	38204	38247	100.997
	17	37928	38229	37927	38015	38133	38310	38207	38132	38198	37986	38851	39039	100.970
	18	37797	37639	38048	38508	38136	38130	37937	37734	38181	38008	37450	37615	100.141
	19	38591	38081	38523	38141	38429	38784	38321	38167	38613	38193	37624	38305	101.150
	20	37997	38313	38432	38181	38015	38262	38003	37925	38235	38185	38378	37830	100.706
	21	38355	37819	38487	38136	38345	38373	39301	38292	38126	38027	37890	38182	101.054
	22	38265	38480	38542	38706	38401	38361	38345	38068	38269	38386	38041	38075	101.186
	23	38490	38959	38068	38384	38284	37559	38694	38360	37638	38380	38300	38124	101.033
20	0	38274	38261	38386	37693	37904	38572	39284	38548	38327	38601	38334	38577	101.355
	1	38548	38853	38652	38275	38573	38402	38088	38499	37869	38147	38416	38134	101.301
	2	37800	38046	38442	37552	38596	38585	37963	38760	38217	38195	38298	38475	100.964
	3	38017	37677	38015	38645	39122	38429	37709	38735	38226	38105	38053	38158	100.957
	4	38552	38655	38463	38217	37793	38182	38795	38648	38574	38737	38447	38225	101.483
	5	38224	38921	38416	38565	38554	38117	38221	38349	38065	38571	37969	38014	101.198
	6	38084	38874	38325	38540	38753	38176	38548	38248	38179	38172	38011	38054	101.192
	7	38608	37979	38670	39020	38531	38650	39114	38244	38677	38717	37448	38525	101.680
	8	38052	38292	38053	38612	38014	37865	38850	38331	38508	38269	38060	38505	101.070
	9	38972	38295	38321	37954	38953	38685	38586	38452	38677	38335	39250	38162	101.781
	10	38625	38144	39083	38591	38444	38755	38264	38400	38551	38728	38122	37965	101.568
	11	38043	38047	38616	38923	38398	37948	38295	38706	38101	38399	38379	38100	101.190
	12	38368	38375	38265	38445	38260	39121	38441	38651	38388	38399	38532	38306	101.542
	13	38557	38413	38569	38702	38592	38693	38246	38403	38594	38726	38445	38137	101.657
	14	38340	38739	38088	38906	38210	38784	38224	38653	38300	38664	38175	38671	101.586
	15	38595	38578	38593	38450	39216	38620	38412	38547	38487	38567	38639	38496	101.904
	16	38454	37943	38442	38950	38596	38177	38473	38643	38343	38337	38082	38348	101.374
	17	37854	38362	38530	38455	38224	38798	38097	38250	37972	38925	38153	38223	101.165
	18	37891	38735	38504	37854	38426	38271	38795	38269	37932	38394	38399	38188	101.125
	19	38766	38142	38488	38604	38531	38170	38378	38162	38008	39208	38838	38124	101.512
	20	38465	38558	39189	37744	38325	38411	38557	38508	38029	38252	38723	38459	101.469
	21	37613	38439	38521	38507	38347	38888	38617	38415	37936	38220	38182	38926	101.335
	22	38109	38341	38313	38762	38155	38242	38274	37917	37947	38675	38521	37815	100.996
	23	38293	38871	38071	38400	38610	38265	38025	38742	37783	38695	38032	38375	101.236

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
21	0	39394	38691	38198	37685	38463	37978	38579	38569	38201	38452	37970	38554	101.367	
	1	38460	37725	38429	38588	38424	38396	38879	39278	38533	38581	38408	38523	101.689	
	2	38632	38093	38937	38440	38484	38605	38203	38734	38266	38515	37612	37973	101.308	
	3	38409	38740	38081	38936	38665	38499	38636	38556	38242	38876	38195	38186	101.645	
	4	37850	39129	38239	37925	38088	38970	38219	38447	38063	38806	38494	39130	101.499	
	5	37676	38485	38034	38936	38650	38666	38099	38586	38253	38644	38506	38775	101.488	
	6	38802	37958	38805	38887	38453	38070	38674	38875	38752	38564	38522	38790	101.893	
	7	38249	38960	38044	38930	38453	38283	38381	38707	38335	37878	38208	38392	101.381	
	8	38141	38383	37826	38616	38273	38507	38972	37912	38870	38437	38186	38433	101.322	
	9	38553	38511	38361	38807	38101	38310	38013	38513	38107	38351	38555	38037	101.248	
	10	38555	38886	37985	38329	38577	37865	38457	38592	38568	38622	38645	38306	101.505	
	11	38489	38065	38352	38799	38750	38090	38312	38313	38229	38545	37894	38231	101.215	
	12	38620	38698	38365	38747	38200	38229	37984	38277	38403	38030	38135	38141	101.162	
	13	38964	38585	38513	38230	38268	38154	37790	38132	38354	37690	37782	38320	100.932	
	14	38618	37979	38140	38843	38120	38735	39202	38414	38866	38658	37225	38681	101.526	
	15	38056	38807	38326	38670	38699	38784	38558	38030	38057	38669	38688	38433	101.591	
	16	38514	38298	38144	38101	38715	39373	38782	38299	38500	38548	38694	37940	101.620	
	17	38504	38905	38223	38466	38823	38263	38735	38547	38309	39016	38238	38386	101.731	
	18	38841	38605	39029	38198	38402	39011	39164	38507	38789	38386	38895	38580	102.169	
	19	38082	38160	38407	38931	38796	38410	38442	38592	38497	38859	38548	38190	101.621	
	20	38128	38545	38242	38193	38673	38352	38621	38890	38181	38499	38123	38531	101.415	
	21	38198	38310	38391	39086	38136	37916	38041	38020	39094	38313	38256	38233	101.198	
	22	38528	38891	38671	38358	38252	38957	38293	38939	38532	37779	38377	38432	101.642	
	23	38267	38789	38734	38395	38609	38616	37949	38221	38989	38499	38568	38558	101.683	
22	0	37849	38643	38519	38720	37846	38647	38446	38387	38515	38283	38663	38138	101.340	
	1	38466	38402	38612	38185	38346	38509	38170	38463	37853	39005	38190	37605	101.157	
	2	38352	38392	37918	38097	38759	38563	38012	38507	38243	38728	38317	39008	101.398	
	3	37789	38051	38239	38722	38326	38344	38528	38169	38118	38190	38786	38632	101.177	
	4	38523	37919	38428	38352	38893	38498	38461	38309	39035	38571	38283	38145	101.512	
	5	38188	38491	38430	38330	38378	38319	38092	38572	38497	38542	38040	38338	101.248	
	6	38659	38067	38673	39087	38114	38412	38535	38073	38625	38300	38452	38427	101.513	
	7	38351	38232	39086	39075	38405	38172	38629	38667	38534	38572	38465	38557	101.804	
	8	38371	38440	38504	38627	38021	38167	38234	37852	38500	38196	37991	38821	101.139	
	9	37955	38181	38162	38127	38260	39309	38148	37907	38547	38341	37955	38080	100.974	
	10	37955	37858	38129	37864	38732	38767	38170	38537	37996	38320	38548	38292	101.017	
	11	38207	38828	38662	38975	38779	38805	38198	38358	38427	38278	38177	38035	101.580	
	12	38466	38293	38097	38658	38710	38831	37883	37903	38199	38293	38267	38087	101.131	
	13	38199	38626	38511	38204	38051	38276	38061	38481	38834	37826	38063	38392	101.095	
	14	38632	38635	38672	38275	38564	37747	37336	38530	38278	38694	38609	38333	101.267	
	15	38206	38075	37789	38757	38276	38615	38065	38401	38625	38537	37972	38534	101.168	
	16	37941	38674	38328	37698	38215	38399	38357	38239	38076	38063	37687	38120	100.716	
	17	38340	38167	38717	38364	38533	38569	38118	38359	38588	38253	37889	38037	101.186	
	18	38517	38469	38656	38268	38279	38495	38198	38515	38369	38950	38145	38541	101.509	
	19	38123	38551	38596	38564	38802	38205	37964	38707	37840	38072	38134	38290	101.167	
	20	38636	38255	38102	38274	38311	38405	38687	38314	38324	38451	37477	38172	101.070	
	21	37934	38129	38355	38348	37931	38237	38181	38368	38014	38262	38377	38236	100.842	
	22	38629	38617	38226	37679	38577	38112	38567	38125	38411	38065	37837	38846	101.132	
	23	38028	38004	38582	38090	38058	38498	38532	38323	37958	38654	38370	38304	101.068	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
23	0	38192	38214	37929	38659	38361	38765	38429	38381	38409	38414	38612	38995	101.497
	1	38346	38364	38477	37953	37944	38307	38841	38698	38490	38563	38146	38615	101.364
	2	38554	38519	38675	38142	38789	38223	38503	38767	38582	38058	38542	39156	101.752
	3	38277	38233	37985	38130	38068	37935	38144	38647	38024	38201	38188	38554	100.845
	4	38231	38577	38388	38183	38517	37977	38494	37831	38652	37946	39066	38416	101.261
	5	38392	38231	38453	38781	39052	38542	39058	38322	38320	38225	38177	38033	101.549
	6	37849	38309	37973	38715	38462	38719	38467	38588	37785	38184	38013	37985	100.991
	7	38203	38180	38681	38560	38096	38614	38101	38447	38181	37931	38195	38757	101.188
	8	38710	38837	38282	38601	39067	38344	37881	38582	38231	38674	37627	38467	101.487
	9	38977	38334	38014	38157	38530	38922	38449	38990	37990	38206	38469	38330	101.501
	10	38436	38238	38265	38262	38595	38089	38633	38479	37959	38225	38477	38525	101.241
	11	38206	38454	37639	38149	38111	38617	38209	38342	38569	38317	38297	38172	100.998
	12	38105	38419	38573	38547	38598	38714	38572	38173	38965	38219	39114	38505	101.751
	13	38219	38532	38334	37908	38322	38448	37864	38309	38124	38249	37851	38502	100.906
	14	38334	38563	38655	39312	38305	38454	38452	38478	38386	38470	38397	38666	101.744
	15	38170	38379	39110	38669	38459	38318	38649	38571	38502	38602	38091	38567	101.659
	16	38125	38530	38433	38259	38468	37852	37864	38510	38999	37712	38121	38331	101.025
	17	38188	37984	38592	38580	38527	37657	38833	38443	38651	38462	37806	38957	101.350
	18	38280	39225	38269	38432	38039	38525	37798	37680	38352	38585	38627	37833	101.122
	19	38357	38105	37888	38310	38430	38430	38219	38296	38728	37828	37810	38155	100.882
	20	38697	38260	38638	38429	38169	38375	38728	38377	38518	38717	37867	38549	101.491
	21	38774	38533	38592	38506	38461	37950	38139	37739	38183	38583	38570	37807	101.165
	22	39026	38481	38003	39002	38370	38177	38974	38586	37949	38523	38235	38103	101.515
	23	38305	38226	38618	38381	38508	38548	38606	38475	38385	38830	38648	38521	101.651
24	0	37488	38200	38161	38175	38346	38633	37933	37540	37906	38022	38282	38296	100.534
	1	38144	38072	37895	38353	38042	38217	38667	38403	38141	38332	38150	38018	100.856
	2	38455	38191	37863	38279	38308	38215	38436	38493	38215	38164	38670	38780	101.216
	3	37974	38307	37918	38622	38665	38192	37701	38289	38221	38202	37926	38195	100.806
	4	38429	38329	37956	37957	38483	38628	38444	37827	38353	38813	38493	38879	101.330
	5	38217	38453	38478	38207	38720	38261	38574	39089	38634	38447	38215	38900	101.683
	6	38870	39172	39050	38967	38695	38365	38345	38399	38358	38722	38556	38362	102.049
	7	38641	38338	38636	38793	38170	38293	38359	38029	38359	38002	39000	38288	101.400
	8	39049	38182	37667	39178	38546	38422	38715	38173	38565	38746	38923	39121	101.923
	9	38890	38554	38813	38412	39134	38263	38528	38286	38664	38077	38484	38282	101.724
	10	38465	38647	38492	38636	38832	37917	38413	38033	39058	38591	38467	38488	101.648
	11	38407	38405	38111	38854	38583	38703	39055	38530	38705	38301	38281	38405	101.715
	12	38873	38539	38979	38465	38911	38725	37811	38315	38539	38229	38338	38855	101.767
	13	38523	38332	37884	38788	38286	38621	38230	38520	38350	38626	38548	38645	101.498
	14	38364	38873	38541	38240	38634	38583	37850	38172	38613	38485	38195	38863	101.511
	15	38703	38312	38567	38219	38723	38413	38197	38785	37761	38486	38225	38575	101.412
	16	38529	39057	38584	38507	38572	38625	38573	37939	38274	38452	38184	38245	101.539
	17	38158	38508	38354	38538	38416	38821	38092	38218	37902	38222	38580	38962	101.369
	18	38330	38040	38484	38139	38511	38448	38694	37903	38396	38192	38653	38134	101.183
	19	38022	38542	38672	38580	38455	38216	38381	37482	38005	38004	38025	38339	100.921
	20	38329	37898	38261	38121	38544	38518	38561	38453	38514	38585	38693	38145	101.337
	21	38270	38395	38159	37940	38409	38422	37962	38517	38341	38726	38921	38058	101.226
	22	38111	38286	38451	38435	38558	37963	38132	38858	38031	38527	38701	38874	101.404
	23	38485	38351	38867	38265	38363	38385	38606	38926	38818	38607	38712	38100	101.747

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
25	0	38809	38582	38820	38125	37859	38583	38633	38451	38564	38718	38379	38295	101.611	
	1	38801	39280	38671	38580	38613	38400	38829	38895	38091	38558	39077	38373	102.117	
	2	37807	39041	38390	38148	38609	39336	38344	38783	38899	38415	39108	38794	102.008	
	3	39088	38748	38950	38418	38826	39525	38667	38558	38877	38322	38472	39275	102.460	
	4	38394	38514	39129	38835	38489	39326	38915	38757	38604	39246	38762	39086	102.533	
	5	38406	38956	38984	38489	39326	39486	38013	38753	38652	38511	38544	39091	102.347	
	6	38493	38693	38848	38667	38941	39031	38617	38379	38360	38612	38364	38684	102.012	
	7	38639	38544	38549	37837	39136	38829	38545	38601	38860	38279	38561	38379	101.807	
	8	38628	38783	38726	38713	39116	38891	38463	38407	38395	38919	38524	38420	102.077	
	9	38809	38481	38852	38452	38143	38698	38308	38775	38558	38423	38946	38957	101.948	
	10	38235	38129	38574	38550	38412	38804	38430	38919	38674	38347	38884	38797	101.806	
	11	38292	38275	38275	38844	38708	38141	38465	38354	38621	39140	38640	38701	101.741	
	12	38361	39029	38455	38165	38571	38222	38455	38433	38722	38586	38382	38765	101.672	
	13	37862	38150	38693	38950	38167	38049	38360	38538	38711	38455	38644	38755	101.493	
	14	38702	38946	38565	39220	39076	38685	37667	38307	38789	38638	38312	38794	102.015	
	15	38275	38721	38574	38031	38523	38298	39033	38861	38524	38711	38690	38178	101.733	
	16	38716	38604	38587	38385	38265	38149	38702	38597	38335	38611	39036	38757	101.804	
	17	37918	38896	38350	37754	38491	38108	38748	38859	38092	38694	38817	38446	101.458	
	18	38367	38292	38748	37897	38277	38275	38706	38478	38242	38850	37880	38102	101.225	
	19	37990	38661	38411	37744	38246	38254	38463	38194	38243	38812	38367	38685	101.215	
	20	38994	38276	38343	38960	38573	38292	38576	38332	39128	38554	38777	38634	101.956	
	21	38677	38407	38414	38937	37891	38526	39054	38131	37934	38336	38453	38665	101.514	
	22	38824	39183	38709	38761	38129	38544	38782	38559	37887	38520	38510	38903	101.929	
	23	38198	38177	38190	38414	38664	38809	38028	38508	39172	38178	38687	39012	101.648	
26	0	38639	38486	38280	38576	38304	38510	38499	38088	38204	38485	38348	37906	101.276	
	1	38762	38535	39240	38501	37981	38568	37942	38843	38192	38400	39118	38491	101.766	
	2	38985	38435	38614	38354	38224	39268	38746	38576	38922	38344	38577	39430	102.184	
	3	38045	38002	38626	38416	38159	38171	38700	38716	38980	38726	38529	38461	101.537	
	4	38577	38446	38911	38927	38465	37932	39122	38545	38490	38461	38179	38705	101.807	
	5	38691	38960	38126	38913	38859	38785	38611	38409	38509	38459	38050	38728	101.882	
	6	38371	38654	38638	38324	38192	38504	38495	38732	38659	38842	37824	38578	101.599	
	7	38561	38585	38309	38590	38632	38114	38737	38097	39013	38734	38580	38766	101.798	
	8	37561	38824	38363	38873	38309	38619	39502	39176	38547	38848	38901	38473	102.079	
	9	38217	38159	38514	38585	38274	38167	38280	38517	38375	38118	38618	38169	101.198	
	10	38104	38582	37900	38684	38164	38076	38246	38385	38574	38343	38866	38927	101.388	
	11	38421	37842	38420	38495	39036	38472	38268	38212	37860	38341	38614	38450	101.295	
	12	38258	38463	39020	38476	38658	38363	38430	38149	38568	38013	38255	38524	101.459	
	13	38646	38030	38269	38016	38607	38092	38158	37906	39080	38822	38457	38974	101.433	
	14	38152	38746	39382	38413	38555	38318	38771	38217	38494	38335	39006	38325	101.797	
	15	38380	38737	38068	38508	38405	37821	38350	38585	38416	38506	38859	38616	101.476	
	16	38336	37771	38236	38697	38249	38679	38784	38354	38739	38867	38053	38778	101.539	
	17	38670	38698	38487	39043	38351	38170	38377	38352	38500	38190	37763	37629	101.251	
	18	38510	38977	38484	38317	38270	38027	37896	38087	38338	38261	38673	37738	101.107	
	19	38678	38567	38520	38295	38115	39127	38284	38257	38720	38381	38033	39337	101.709	
	20	38673	37699	38260	38318	38160	37595	38737	38068	37948	38218	38908	37887	100.864	
	21	38418	38496	38778	38557	37861	37664	38350	38255	38606	38401	38289	38902	101.327	
	22	38503	38584	38583	38182	38671	38452	38531	38567	38176	38545	38742	38271	101.597	
	23	38577	38229	38477	38035	39250	38174	38983	38213	38376	38477	38741	38104	101.560	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
27	0	38817	38580	38372	38353	38174	38581	39084	38543	38042	38290	38375	38405	101.558
	1	38845	38813	37996	39064	38629	38131	38296	38583	38762	38499	38387	38181	101.681
	2	38576	38686	38705	38651	38597	38706	38296	38514	38411	38021	38025	38813	101.640
	3	38898	38189	37868	38434	38209	38514	38720	38658	38499	38417	38492	38439	101.494
	4	38343	38252	38663	38488	38360	38585	38137	37703	38514	38224	38342	38498	101.224
	5	38518	38785	39360	38366	38461	38401	38736	39301	37976	38392	38806	38491	101.991
	6	38171	38504	37768	38917	38367	38588	38389	38508	38636	37838	38670	39251	101.553
	7	38521	38599	39424	38858	38216	38385	38592	39309	38941	38885	38734	38833	102.365
	8	38529	38670	38409	38598	38992	39287	38774	38950	38591	38412	38903	38532	102.222
	9	38688	39296	38308	38836	38878	38738	38870	38232	38684	39147	38541	39218	102.396
	10	38831	38167	39005	38119	38395	38829	38454	38871	38899	38655	38931	38583	102.023
	11	38262	39227	38012	38969	38228	38802	38157	38316	38257	38332	38370	38662	101.551
	12	38456	38477	37930	38605	38639	38450	38472	38731	38869	38381	38275	38897	101.680
	13	38492	38721	38577	38372	38356	38666	38079	38274	37502	38771	38572	38528	101.400
	14	38268	38279	38317	38171	38307	38414	38997	38504	38582	38499	38003	38698	101.429
	15	38312	38994	38372	38572	38558	38456	38379	38352	38119	38481	38723	37979	101.485
	16	38382	38654	38954	38454	38165	37824	38369	38710	38224	38438	38657	37890	101.359
	17	38639	38365	38350	38470	37946	38275	38585	38105	38259	38019	38549	38953	101.313
	18	38132	38483	38307	38496	38431	38839	38418	38220	38583	38245	38514	37648	101.270
	19	38338	38323	38819	38284	37893	38766	38443	38783	38114	38197	38932	37888	101.372
	20	38240	38439	38381	37858	38694	38278	38177	38141	38510	38497	38431	38808	101.299
	21	38239	37891	37873	37823	38617	38683	38338	37872	38080	38141	39152	38177	100.955
	22	37931	38292	38134	37950	38529	38291	38059	38420	38142	38364	38721	38046	100.953
	23	37765	38358	38040	38490	38800	38446	38393	38777	38299	37765	38139	38993	101.258
28	0	38591	38676	38676	38242	37967	38515	38265	38314	37840	38359	39188	38080	101.358
	1	38962	37957	38230	38922	38412	38653	38533	38450	38501	38776	38203	38463	101.653
	2	37791	39282	38681	38757	38103	38331	39078	39264	38364	39160	38365	38134	101.928
	3	37850	38230	38723	38442	38565	38495	38085	38653	38074	38805	38439	38619	101.416
	4	38986	38764	38606	38799	38366	38122	38565	38199	38160	38905	38319	38388	101.679
	5	38647	38727	38591	38203	38920	38917	38636	37967	38770	38462	38627	37834	101.706
	6	38685	37852	38472	38337	38826	38755	38482	38101	38372	38878	38756	37962	101.525
	7	38424	38052	38973	38765	38397	38315	38928	38802	39228	39023	38246	38749	102.058
	8	38435	38736	39049	38501	38967	38361	38422	38654	37826	38308	38968	38345	101.766
	9	38065	38530	39123	38122	39192	38233	38849	38340	38668	38825	38124	38653	101.799
	10	38934	38103	38229	37933	38133	38836	38441	38283	39220	38344	38518	38075	101.431
	11	38982	38591	38714	38522	38310	38632	38549	39336	39403	38875	38538	38649	102.323
	12	38130	38329	38368	38410	38880	38879	38763	38060	38075	38825	38652	38747	101.666
	13	38604	38947	38895	39287	38177	38020	38640	38835	38765	38471	39046	38355	102.089
	14	38444	38842	38407	38333	38501	38785	38740	38423	38523	38732	38090	38520	101.715
	15	38837	38842	38286	38680	38856	38614	38460	38378	38147	38352	38209	38416	101.657
	16	38799	38701	38219	38284	38252	38261	38508	38553	38705	38891	38652	38425	101.695
	17	38833	39078	38405	38427	38416	38969	38282	38585	38534	39339	38224	38389	101.966
	18	38622	38652	38353	38071	38526	38803	38273	39088	38349	38133	38099	38287	101.476
	19	38546	38251	38227	38402	38060	38586	38204	38719	38398	39112	38082	38944	101.537
	20	38543	38422	38130	38117	38432	38251	38206	38280	38685	38906	38223	38931	101.448
	21	38306	38409	38721	38458	37793	38197	38875	38360	38563	38816	38439	37685	101.337
	22	38005	38575	38370	38439	38866	38278	37694	37659	39182	38435	38460	38133	101.221
	23	38456	38924	39082	38537	38740	38421	38506	38719	38761	38848	38484	38566	102.090

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
29	0	38750	38493	38363	38191	38915	37990	38162	38405	38811	38811	38571	38367	101.604	
	1	38378	38402	38199	38836	38719	38081	38320	38163	38482	37906	38506	38703	101.352	
	2	38734	38422	38608	38716	38272	38650	38588	37912	38281	38513	38023	38136	101.388	
	3	38759	38728	38601	38044	38500	39392	38199	38582	38606	38106	39278	38506	101.926	
	4	38286	38765	38579	38729	38315	38357	38200	38858	38522	38502	38343	38486	101.627	
	5	38189	39044	38545	38868	38504	39143	39002	38295	38997	38922	38428	38562	102.190	
	6	38833	39106	38704	38197	38499	38414	39008	38490	38940	38890	37983	38525	101.990	
	7	38679	38546	38543	38645	38458	38436	38333	38407	38551	39362	38648	38736	101.936	
	8	38710	38353	38622	39119	39140	38610	38542	38494	38911	39118	39070	39394	102.538	
	9	38717	38511	38858	39148	38941	38784	38665	39084	38772	38673	38261	38868	102.362	
	10	38604	38837	38826	39342	38376	38497	38862	38883	38862	38799	38967	38427	102.362	
	11	38419	38294	39092	38985	39013	38989	38987	38105	38310	38245	38518	39008	102.072	
	12	38827	38369	38190	39086	38083	38593	38455	38770	38319	38950	38480	39142	101.918	
	13	39093	39125	38685	39088	38890	38720	38878	38614	38907	38720	38122	38169	102.303	
	14	38740	39265	38448	39312	38357	38289	38503	38685	39111	37830	38793	38112	101.958	
	15	38531	38311	38260	38354	38883	38259	38467	38708	38297	38936	38251	38640	101.617	
	16	38434	37793	38139	38286	38768	38454	38669	39025	38682	38578	38331	38702	101.609	
	17	38564	38559	38297	38555	38596	38805	38479	38647	38718	38354	38770	38387	101.801	
	18	38177	38798	37799	38761	38393	38675	38020	38278	38864	38501	38602	38755	101.557	
	19	39026	38530	38434	38310	39002	38669	38685	38258	37878	38821	38541	38682	101.824	
	20	38992	38710	38178	37765	38702	38861	37926	38461	38156	38368	39051	37890	101.433	
	21	38431	38121	38368	38526	38326	38119	38884	38542	38439	38356	38285	38556	101.410	
	22	37780	38109	38447	38416	38460	38821	38326	38745	38657	38645	38262	38498	101.456	
	23	38423	38529	38290	38436	38339	38656	38329	38520	38481	38678	38468	38389	101.539	
30	0	38150	38889	38953	38914	38807	38749	38129	38784	38769	38788	38080	38432	101.955	
	1	38604	38424	39250	39034	38150	38160	38337	38661	38305	38430	37892	38365	101.554	
	2	38623	38560	38473	38309	38136	38732	38786	38377	38458	38911	38625	39156	101.892	
	3	39480	38540	39024	38640	38825	38170	38811	38562	38669	38352	38311	37841	101.909	
	4	38714	38524	38560	38903	38218	38997	38199	38473	38718	38724	38749	38892	102.008	
	5	38264	38798	38265	39482	38600	38079	38387	38369	38788	39148	38572	38357	101.884	
	6	38548	38297	38501	38138	39069	38194	38523	38703	37998	38701	37868	37995	101.318	
	7	37969	38625	38421	38829	38754	38975	38627	38637	38473	38336	39511	38127	101.922	
	8	38470	38632	38596	38240	38788	38505	38183	38895	38354	38612	38536	38251	101.654	
	9	38404	38175	38519	38193	38086	39028	39121	38445	38856	38373	38771	38437	101.730	
	10	38002	39228	38801	38396	38775	38618	39102	38770	38210	38093	37998	38553	101.759	
	11	38509	38553	38579	38580	39074	38544	38803	38689	38817	38414	38361	38587	101.972	
	12	38576	38949	38857	39042	39488	38597	39130	38630	38444	38633	38608	39199	102.553	
	13	38893	38537	38602	38771	38688	38023	38836	38329	38402	38587	38279	38877	101.821	
	14	38199	38844	38557	39205	38629	37911	38418	38320	39025	38259	38167	38521	101.652	
	15	38272	38700	38593	38426	38297	38442	38041	39089	38281	38317	38240	38536	101.471	
	16	38461	38206	39162	38289	38830	39085	39120	38789	38907	38785	38550	38615	102.256	
	17	39290	38746	38040	38458	38673	38832	38328	38274	38650	38405	38551	38792	101.869	
	18	38567	38720	38408	38458	38604	38482	38157	38311	38924	38763	39053	38388	101.824	
	19	38702	38260	38807	38558	38684	38584	37918	38576	39155	38804	39149	38618	102.039	
	20	39374	38153	38421	38890	38786	38115	38340	38317	38606	38935	38433	38447	101.820	
	21	38979	37942	38550	38233	39024	38200	38814	39374	38489	38530	38321	39265	102.019	
	22	38067	38776	38491	38494	38980	38075	38717	38863	38353	38819	38561	38332	101.756	
	23	38321	38628	38265	38670	38753	38129	38561	38367	38194	38280	38470	38256	101.397	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
31	0	38900	39221	38080	38301	38632	38578	39286	38397	38492	38342	39157	38533	102.058
	1	38606	38204	38757	39021	38886	38936	38515	38147	38529	38167	38654	38644	101.875
	2	39054	38574	38435	38088	38446	38398	38693	38594	38240	38784	38688	38353	101.716
	3	38559	38475	38595	38512	38313	38562	38696	38437	38763	38404	38321	38571	101.686
	4	38355	38327	38955	38670	38853	37699	38716	38800	38524	38501	38845	39598	102.045
	5	38295	39016	38511	38513	38926	38314	38979	38307	38456	38712	38979	38240	101.914
	6	38501	38649	38207	38659	38961	39001	38775	38451	38639	38370	38781	38794	102.033
	7	38735	38372	38717	38478	39469	38771	37922	38696	38464	38418	38317	38703	101.874
	8	38326	38337	38880	38881	38742	38402	38848	38192	38717	38475	38437	38472	101.796
	9	38273	38626	38164	38699	38486	38526	38806	38997	38499	38818	38844	39108	102.046
	10	38123	38517	38582	38748	38799	38416	38760	38311	39405	38109	38890	38941	101.993
	11	38730	39152	38626	38810	38555	38386	38642	38925	38813	39237	38436	39042	102.378
	12	38805	38746	38846	39266	38593	38928	38186	38799	38361	39183	38495	38312	102.194
	13	38351	38824	39149	38536	38721	38943	39107	38610	39072	38922	38512	38964	102.456
	14	38813	38346	38963	38198	38419	38437	38806	38919	38701	39169	39025	38695	102.188
	15	38297	38689	38963	38900	38270	38351	38646	38602	38655	38520	38558	38522	101.854
	16	38547	39019	38660	38758	38151	38609	38405	38588	38538	38186	38490	38448	101.728
	17	38604	38237	38784	38952	38216	38126	38606	38216	38781	38487	38306	38703	101.644
	18	39486	38745	38908	38517	38899	38451	38176	38367	37882	38356	38658	38701	101.892
	19	38180	39225	38106	38720	38241	38798	38304	38676	38588	38114	38434	38726	101.665
	20	38668	38996	38307	38853	39038	38401	38562	38803	38421	38863	38684	38477	102.096
	21	39218	38627	39138	38219	38835	38295	38797	38254	39024	38868	38989	38711	102.294
	22	38437	38480	38238	38309	38248	38887	38224	38408	38888	38028	38007	37867	101.205
	23	38135	38419	38993	38386	37889	38151	38691	38019	38830	38408	38818	38379	101.446

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1014.47	1014.45	1014.43	1014.41	1014.36	1014.30	1014.27	1014.25	1014.22	1014.20	1014.18	1014.17	1014.30
	1	1014.16	1014.16	1014.16	1014.15	1014.13	1014.11	1014.09	1014.05	1014.03	1014.02	1014.01	1014.02	1014.09
	2	1013.98	1013.91	1013.86	1013.78	1013.66	1013.58	1013.53	1013.53	1013.57	1013.58	1013.55	1013.51	1013.67
	3	1013.45	1013.38	1013.32	1013.26	1013.24	1013.19	1013.12	1013.03	1012.99	1012.98	1013.00	1013.04	1013.16
	4	1013.05	1013.03	1013.02	1013.01	1013.00	1012.96	1012.93	1012.93	1012.93	1012.92	1012.91	1012.90	1012.96
	5	1012.91	1012.92	1012.91	1012.88	1012.84	1012.81	1012.79	1012.80	1012.84	1012.89	1012.92	1012.95	1012.87
	6	1013.00	1013.04	1013.07	1013.11	1013.14	1013.18	1013.21	1013.23	1013.26	1013.33	1013.39	1013.47	1013.20
	7	1013.57	1013.65	1013.75	1013.84	1013.90	1013.95	1013.98	1013.97	1013.98	1014.05	1014.15	1014.21	1013.92
	8	1014.18	1014.17	1014.19	1014.20	1014.23	1014.26	1014.30	1014.37	1014.45	1014.53	1014.56	1014.59	1014.34
	9	1014.63	1014.67	1014.72	1014.76	1014.80	1014.83	1014.85	1014.88	1014.90	1014.91	1014.88	1014.82	1014.80
	10	1014.78	1014.76	1014.75	1014.75	1014.77	1014.78	1014.76	1014.74	1014.70	1014.65	1014.61	1014.55	1014.72
	11	1014.47	1014.42	1014.40	1014.39	1014.38	1014.38	1014.42	1014.43	1014.41	1014.38	1014.35	1014.33	1014.40
	12	1014.32	1014.27	1014.22	1014.22	1014.21	1014.14	1014.08	1014.05	1014.06	1014.08	1014.09	1014.08	1014.15
	13	1014.03	1013.95	1013.90	1013.88	1013.88	1013.92	1013.97	1013.97	1013.94	1013.95	1013.96	1013.96	1013.94
	14	1013.94	1013.96	1014.03	1014.09	1014.14	1014.20	1014.23	1014.24	1014.25	1014.28	1014.33	1014.38	1014.17
	15	1014.41	1014.42	1014.41	1014.38	1014.35	1014.32	1014.30	1014.31	1014.33	1014.36	1014.38	1014.43	1014.37
	16	1014.48	1014.51	1014.54	1014.58	1014.63	1014.69	1014.73	1014.75	1014.77	1014.82	1014.90	1014.97	1014.70
	17	1015.04	1015.15	1015.25	1015.31	1015.37	1015.44	1015.52	1015.60	1015.68	1015.76	1015.83	1015.89	1015.49
	18	1015.93	1015.96	1015.98	1016.01	1016.05	1016.10	1016.16	1016.18	1016.22	1016.27	1016.30	1016.31	1016.12
	19	1016.35	1016.38	1016.39	1016.42	1016.46	1016.51	1016.54	1016.56	1016.56	1016.54	1016.54	1016.59	1016.49
	20	1016.65	1016.69	1016.70	1016.72	1016.73	1016.74	1016.77	1016.80	1016.83	1016.86	1016.86	1016.85	1016.77
	21	1016.85	1016.86	1016.87	1016.87	1016.88	1016.92	1016.97	1016.98	1016.98	1017.00	1017.02	1017.03	1016.93
	22	1017.04	1017.04	1017.07	1017.09	1017.10	1017.10	1017.12	1017.14	1017.13	1017.09	1017.04	1017.02	1017.08
	23	1017.03	1017.05	1017.05	1017.05	1017.05	1017.05	1017.08	1017.14	1017.20	1017.24	1017.25	1017.24	1017.12
2	0	1017.17	1017.17	1017.14	1017.10	1017.07	1017.07	1017.10	1017.16	1017.21	1017.27	1017.31	1017.34	1017.18
	1	1017.36	1017.38	1017.43	1017.47	1017.49	1017.51	1017.56	1017.62	1017.66	1017.71	1017.75	1017.76	1017.56
	2	1017.75	1017.76	1017.76	1017.74	1017.70	1017.65	1017.58	1017.57	1017.60	1017.62	1017.63	1017.66	1017.67
	3	1017.67	1017.65	1017.65	1017.65	1017.64	1017.65	1017.66	1017.67	1017.70	1017.72	1017.74	1017.74	1017.68
	4	1017.72	1017.72	1017.72	1017.71	1017.71	1017.71	1017.71	1017.69	1017.67	1017.68	1017.68	1017.67	1017.70
	5	1017.67	1017.69	1017.68	1017.66	1017.67	1017.71	1017.75	1017.80	1017.85	1017.86	1017.87	1017.88	1017.76
	6	1017.88	1017.90	1017.95	1018.01	1018.05	1018.08	1018.13	1018.21	1018.26	1018.29	1018.34	1018.39	1018.12
	7	1018.42	1018.45	1018.48	1018.53	1018.58	1018.61	1018.64	1018.65	1018.66	1018.68	1018.72	1018.74	1018.60
	8	1018.75	1018.77	1018.79	1018.84	1018.85	1018.81	1018.79	1018.78	1018.77	1018.78	1018.80	1018.82	1018.80
	9	1018.87	1018.94	1018.95	1018.95	1018.94	1018.95	1018.97	1018.97	1018.96	1018.89	1018.79	1018.72	1018.91
	10	1018.69	1018.65	1018.60	1018.50	1018.39	1018.31	1018.29	1018.29	1018.29	1018.27	1018.26	1018.25	1018.40
	11	1018.29	1018.38	1018.46	1018.52	1018.57	1018.59	1018.57	1018.47	1018.34	1018.19	1018.03	1017.92	1018.36
	12	1017.86	1017.78	1017.65	1017.58	1017.60	1017.70	1017.76	1017.78	1017.78	1017.76	1017.72	1017.63	1017.72
	13	1017.56	1017.57	1017.61	1017.63	1017.64	1017.67	1017.64	1017.60	1017.59	1017.55	1017.51	1017.47	1017.59
	14	1017.44	1017.47	1017.56	1017.64	1017.73	1017.82	1017.91	1017.94	1017.93	1017.92	1017.87	1017.82	1017.76
	15	1017.78	1017.71	1017.64	1017.55	1017.46	1017.39	1017.37	1017.42	1017.48	1017.49	1017.45	1017.39	1017.51
	16	1017.39	1017.43	1017.46	1017.51	1017.57	1017.63	1017.68	1017.70	1017.68	1017.68	1017.70	1017.71	1017.59
	17	1017.69	1017.69	1017.71	1017.72	1017.73	1017.73	1017.73	1017.75	1017.76	1017.81	1017.85	1017.88	1017.75
	18	1017.89	1017.90	1017.89	1017.88	1017.91	1017.92	1017.89	1017.85	1017.85	1017.86	1017.86	1017.90	1017.88
	19	1017.98	1018.05	1018.10	1018.15	1018.19	1018.17	1018.09	1018.05	1018.05	1018.05	1018.09	1018.16	1018.09
	20	1018.24	1018.31	1018.37	1018.39	1018.39	1018.43	1018.45	1018.42	1018.40	1018.40	1018.40	1018.37	1018.38
	21	1018.32	1018.29	1018.29	1018.27	1018.25	1018.23	1018.16	1018.11	1018.11	1018.10	1018.10	1018.11	1018.19
	22	1018.08	1018.04	1018.00	1017.95	1017.93	1017.92	1017.90	1017.93	1018.01	1018.05	1018.04	1017.97	1017.98
	23	1017.82	1017.70	1017.63	1017.55	1017.49	1017.45	1017.43	1017.39	1017.31	1017.19	1017.06	1016.99	1017.42

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1016.97	1016.98	1017.01	1017.02	1016.97	1016.92	1016.92	1016.92	1016.89	1016.82	1016.75	1016.74	1016.91
	1	1016.79	1016.83	1016.83	1016.80	1016.76	1016.76	1016.79	1016.78	1016.75	1016.74	1016.72	1016.68	1016.77
	2	1016.63	1016.58	1016.53	1016.53	1016.51	1016.42	1016.28	1016.16	1016.12	1016.16	1016.22	1016.27	1016.37
	3	1016.29	1016.28	1016.29	1016.33	1016.35	1016.32	1016.23	1016.15	1016.16	1016.16	1016.13	1016.09	1016.23
	4	1016.03	1015.97	1015.89	1015.80	1015.71	1015.69	1015.69	1015.73	1015.76	1015.77	1015.82	1015.89	1015.81
	5	1015.92	1015.87	1015.80	1015.73	1015.69	1015.68	1015.66	1015.64	1015.66	1015.67	1015.63	1015.65	1015.72
	6	1015.73	1015.79	1015.86	1015.92	1015.99	1016.07	1016.12	1016.11	1016.04	1015.90	1015.72	1015.62	1015.90
	7	1015.67	1015.80	1015.96	1016.06	1016.08	1016.13	1016.15	1016.11	1016.11	1016.14	1016.15	1016.12	1016.04
	8	1016.09	1016.04	1015.95	1015.86	1015.81	1015.81	1015.85	1015.92	1015.99	1016.02	1016.01	1015.99	1015.95
	9	1015.97	1015.95	1015.95	1015.95	1015.97	1015.99	1016.00	1015.96	1015.92	1015.88	1015.83	1015.79	1015.93
	10	1015.73	1015.67	1015.62	1015.57	1015.51	1015.47	1015.43	1015.33	1015.23	1015.19	1015.18	1015.16	1015.42
	11	1015.10	1015.02	1014.99	1014.98	1014.92	1014.84	1014.79	1014.76	1014.72	1014.66	1014.60	1014.54	1014.83
	12	1014.48	1014.42	1014.37	1014.35	1014.33	1014.31	1014.28	1014.26	1014.22	1014.12	1014.01	1013.89	1014.25
	13	1013.77	1013.66	1013.63	1013.66	1013.71	1013.77	1013.77	1013.73	1013.75	1013.80	1013.85	1013.92	1013.75
	14	1013.96	1013.95	1013.92	1013.88	1013.88	1013.92	1013.97	1014.05	1014.10	1014.10	1014.08	1014.08	1013.99
	15	1014.11	1014.13	1014.17	1014.20	1014.22	1014.26	1014.32	1014.29	1014.18	1014.13	1014.09	1014.03	1014.18
	16	1014.02	1014.08	1014.20	1014.33	1014.39	1014.39	1014.39	1014.47	1014.54	1014.57	1014.58	1014.57	1014.38
	17	1014.53	1014.46	1014.35	1014.27	1014.22	1014.15	1014.17	1014.26	1014.29	1014.21	1014.15	1014.15	1014.27
	18	1014.18	1014.17	1014.03	1013.58	1013.14	1013.11	1013.27	1013.26	1013.21	1013.15	1013.08	1013.21	1013.45
	19	1013.37	1013.39	1013.44	1013.54	1013.65	1013.72	1013.70	1013.73	1013.82	1013.88	1013.83	1013.66	1013.64
	20	1013.54	1013.57	1013.66	1013.67	1013.59	1013.53	1013.53	1013.54	1013.50	1013.44	1013.42	1013.42	1013.53
	21	1013.37	1013.27	1013.21	1013.20	1013.16	1013.16	1013.14	1013.17	1013.25	1013.26	1013.20	1013.14	1013.21
	22	1013.13	1013.12	1013.09	1013.11	1013.13	1013.12	1013.10	1013.09	1013.06	1013.01	1012.98	1012.96	1013.08
	23	1012.93	1012.92	1012.96	1013.02	1012.98	1012.92	1012.91	1012.87	1012.81	1012.72	1012.65	1012.59	1012.86
4	0	1012.45	1012.42	1012.37	1012.37	1012.43	1012.45	1012.43	1012.43	1012.44	1012.41	1012.35	1012.34	1012.41
	1	1012.33	1012.29	1012.26	1012.25	1012.27	1012.27	1012.28	1012.27	1012.21	1012.17	1012.14	1012.07	1012.23
	2	1012.00	1011.91	1011.82	1011.74	1011.67	1011.63	1011.59	1011.51	1011.44	1011.41	1011.37	1011.36	1011.62
	3	1011.43	1011.53	1011.64	1011.64	1011.59	1011.56	1011.52	1011.52	1011.57	1011.63	1011.69	1011.74	1011.59
	4	1011.74	1011.75	1011.77	1011.79	1011.84	1011.91	1011.98	1011.97	1011.92	1011.89	1011.87	1011.87	1011.86
	5	1011.86	1011.85	1011.88	1011.93	1011.97	1011.99	1011.95	1011.93	1011.99	1012.06	1012.13	1012.19	1011.98
	6	1012.19	1012.20	1012.27	1012.33	1012.37	1012.44	1012.52	1012.56	1012.63	1012.70	1012.71	1012.75	1012.47
	7	1012.87	1012.94	1012.94	1012.96	1012.99	1013.02	1013.07	1013.11	1013.12	1013.14	1013.17	1013.16	1013.04
	8	1013.19	1013.23	1013.22	1013.17	1013.18	1013.23	1013.25	1013.27	1013.35	1013.43	1013.45	1013.44	1013.28
	9	1013.43	1013.42	1013.45	1013.53	1013.55	1013.52	1013.49	1013.44	1013.37	1013.29	1013.26	1013.26	1013.42
	10	1013.27	1013.29	1013.29	1013.31	1013.30	1013.24	1013.18	1013.14	1013.14	1013.08	1012.99	1012.89	1013.18
	11	1012.82	1012.75	1012.69	1012.68	1012.67	1012.63	1012.58	1012.51	1012.47	1012.43	1012.39	1012.36	1012.58
	12	1012.35	1012.30	1012.28	1012.29	1012.30	1012.30	1012.28	1012.25	1012.23	1012.20	1012.15	1012.11	1012.25
	13	1012.09	1012.12	1012.17	1012.16	1012.16	1012.19	1012.24	1012.30	1012.33	1012.33	1012.33	1012.35	1012.23
	14	1012.41	1012.47	1012.54	1012.61	1012.64	1012.67	1012.73	1012.78	1012.83	1012.90	1012.96	1012.98	1012.71
	15	1013.00	1013.02	1013.05	1013.10	1013.18	1013.26	1013.31	1013.35	1013.37	1013.37	1013.39	1013.40	1013.23
	16	1013.42	1013.45	1013.48	1013.51	1013.56	1013.63	1013.69	1013.76	1013.74	1013.66	1013.65	1013.76	1013.61
	17	1013.91	1014.01	1014.08	1014.13	1014.18	1014.25	1014.31	1014.33	1014.35	1014.39	1014.45	1014.52	1014.24
	18	1014.58	1014.64	1014.69	1014.76	1014.82	1014.87	1014.90	1014.93	1014.98	1015.02	1015.05	1015.10	1014.86
	19	1015.17	1015.25	1015.31	1015.37	1015.39	1015.38	1015.44	1015.52	1015.63	1015.74	1015.82	1015.89	1015.49
	20	1015.96	1015.99	1015.96	1015.95	1016.02	1016.07	1016.08	1016.09	1016.10	1016.16	1016.26	1016.35	1016.08
	21	1016.42	1016.49	1016.57	1016.64	1016.70	1016.78	1016.87	1016.94	1017.02	1017.07	1017.08	1017.12	1016.81
	22	1017.21	1017.31	1017.40	1017.47	1017.53	1017.57	1017.62	1017.70	1017.76	1017.83	1017.87	1017.85	1017.59
	23	1017.83	1017.87	1017.95	1018.05	1018.11	1018.11	1018.12	1018.15	1018.16	1018.19	1018.25	1018.29	1018.09

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1018.32	1018.32	1018.33	1018.35	1018.40	1018.45	1018.48	1018.52	1018.56	1018.61	1018.70	1018.82	1018.49
	1	1018.90	1018.95	1019.03	1019.12	1019.21	1019.27	1019.32	1019.36	1019.38	1019.39	1019.39	1019.43	1019.23
	2	1019.49	1019.53	1019.56	1019.57	1019.60	1019.63	1019.64	1019.64	1019.63	1019.62	1019.65	1019.69	1019.60
	3	1019.75	1019.82	1019.91	1020.01	1020.10	1020.15	1020.20	1020.26	1020.35	1020.44	1020.50	1020.52	1020.17
	4	1020.53	1020.57	1020.61	1020.64	1020.69	1020.78	1020.90	1021.02	1021.11	1021.15	1021.16	1021.14	1020.86
	5	1021.12	1021.14	1021.18	1021.22	1021.25	1021.31	1021.39	1021.43	1021.45	1021.53	1021.61	1021.67	1021.36
	6	1021.71	1021.77	1021.82	1021.83	1021.83	1021.85	1021.90	1021.96	1022.00	1022.04	1022.07	1022.12	1021.91
	7	1022.18	1022.23	1022.29	1022.37	1022.45	1022.55	1022.65	1022.70	1022.71	1022.72	1022.75	1022.80	1022.53
	8	1022.85	1022.91	1023.02	1023.13	1023.24	1023.37	1023.46	1023.51	1023.55	1023.58	1023.59	1023.64	1023.32
	9	1023.72	1023.79	1023.84	1023.87	1023.88	1023.91	1023.93	1023.92	1023.92	1023.90	1023.88	1023.84	1023.87
	10	1023.81	1023.77	1023.70	1023.65	1023.66	1023.70	1023.67	1023.59	1023.56	1023.59	1023.61	1023.59	1023.66
	11	1023.57	1023.52	1023.49	1023.47	1023.44	1023.37	1023.31	1023.27	1023.23	1023.16	1023.08	1023.03	1023.33
	12	1023.00	1022.98	1022.94	1022.87	1022.83	1022.83	1022.83	1022.84	1022.84	1022.81	1022.77	1022.77	1022.86
	13	1022.80	1022.78	1022.74	1022.72	1022.72	1022.73	1022.75	1022.75	1022.75	1022.75	1022.78	1022.80	1022.75
	14	1022.82	1022.85	1022.89	1022.93	1022.96	1023.00	1023.04	1023.06	1023.08	1023.10	1023.12	1023.13	1023.00
	15	1023.13	1023.12	1023.09	1023.09	1023.12	1023.13	1023.13	1023.10	1023.05	1023.03	1023.02	1023.03	1023.09
	16	1023.03	1023.04	1023.08	1023.10	1023.12	1023.18	1023.25	1023.28	1023.32	1023.38	1023.43	1023.45	1023.22
	17	1023.44	1023.46	1023.52	1023.58	1023.61	1023.64	1023.65	1023.64	1023.68	1023.75	1023.79	1023.82	1023.63
	18	1023.85	1023.87	1023.91	1023.96	1023.99	1024.02	1024.03	1024.04	1024.04	1024.04	1024.03	1024.00	1023.98
	19	1023.99	1023.96	1023.93	1023.91	1023.91	1023.92	1023.92	1023.89	1023.85	1023.84	1023.85	1023.88	1023.90
	20	1023.89	1023.90	1023.93	1023.97	1024.03	1024.07	1024.08	1024.08	1024.06	1024.01	1023.97	1023.95	1024.00
	21	1023.98	1024.01	1024.03	1024.02	1024.01	1024.02	1024.03	1024.01	1024.01	1024.01	1024.00	1024.00	1024.01
	22	1024.00	1023.98	1023.96	1023.95	1023.93	1023.91	1023.91	1023.93	1023.91	1023.83	1023.75	1023.72	1023.90
23	1023.72	1023.72	1023.71	1023.68	1023.64	1023.60	1023.54	1023.49	1023.47	1023.38	1023.29	1023.28	1023.54	
6	0	1023.30	1023.30	1023.27	1023.19	1023.16	1023.15	1023.14	1023.14	1023.13	1023.07	1022.96	1022.87	1023.13
	1	1022.79	1022.72	1022.76	1022.81	1022.81	1022.81	1022.77	1022.70	1022.67	1022.67	1022.72	1022.74	1022.75
	2	1022.67	1022.61	1022.62	1022.64	1022.60	1022.50	1022.40	1022.36	1022.38	1022.39	1022.40	1022.38	1022.50
	3	1022.34	1022.26	1022.14	1022.00	1021.92	1021.90	1021.88	1021.86	1021.85	1021.86	1021.85	1021.76	1021.97
	4	1021.67	1021.67	1021.67	1021.63	1021.60	1021.56	1021.49	1021.48	1021.48	1021.51	1021.58	1021.60	1021.58
	5	1021.62	1021.63	1021.63	1021.62	1021.62	1021.63	1021.64	1021.62	1021.63	1021.65	1021.61	1021.54	1021.62
	6	1021.48	1021.42	1021.34	1021.22	1021.09	1020.96	1020.93	1020.98	1021.00	1021.01	1021.02	1020.98	1021.12
	7	1020.93	1020.95	1020.96	1020.93	1020.88	1020.80	1020.69	1020.64	1020.65	1020.64	1020.61	1020.61	1020.77
	8	1020.64	1020.71	1020.79	1020.84	1020.82	1020.75	1020.75	1020.80	1020.83	1020.85	1020.87	1020.85	1020.79
	9	1020.82	1020.85	1020.85	1020.82	1020.79	1020.70	1020.62	1020.58	1020.51	1020.41	1020.29	1020.21	1020.62
	10	1020.17	1020.11	1019.99	1019.90	1019.84	1019.77	1019.70	1019.63	1019.59	1019.54	1019.48	1019.41	1019.76
	11	1019.34	1019.26	1019.21	1019.25	1019.25	1019.17	1019.08	1019.02	1018.98	1018.95	1018.90	1018.85	1019.10
	12	1018.83	1018.83	1018.75	1018.63	1018.54	1018.45	1018.36	1018.30	1018.25	1018.15	1018.08	1018.08	1018.44
	13	1018.08	1018.00	1017.92	1017.90	1017.89	1017.83	1017.79	1017.79	1017.78	1017.77	1017.76	1017.73	1017.85
	14	1017.70	1017.69	1017.68	1017.67	1017.65	1017.61	1017.58	1017.57	1017.55	1017.55	1017.61	1017.67	1017.63
	15	1017.72	1017.76	1017.79	1017.83	1017.86	1017.87	1017.88	1017.91	1017.94	1017.96	1017.99	1018.00	1017.88
	16	1018.00	1018.01	1018.05	1018.07	1018.08	1018.10	1018.13	1018.19	1018.24	1018.26	1018.28	1018.32	1018.14
	17	1018.36	1018.43	1018.50	1018.56	1018.61	1018.59	1018.53	1018.50	1018.52	1018.57	1018.65	1018.73	1018.55
	18	1018.78	1018.83	1018.90	1018.95	1019.00	1019.08	1019.11	1019.12	1019.13	1019.10	1019.09	1019.09	1019.01
	19	1019.11	1019.14	1019.15	1019.15	1019.16	1019.20	1019.21	1019.21	1019.23	1019.16	1019.14	1019.23	1019.17
	20	1019.30	1019.35	1019.33	1019.30	1019.33	1019.36	1019.40	1019.49	1019.56	1019.56	1019.50	1019.49	1019.41
	21	1019.54	1019.59	1019.57	1019.44	1019.39	1019.46	1019.48	1019.50	1019.59	1019.72	1019.86	1019.97	1019.59
	22	1020.02	1020.07	1020.14	1020.16	1020.16	1020.18	1020.24	1020.32	1020.36	1020.38	1020.44	1020.59	1020.26
23	1020.74	1020.82	1020.85	1020.90	1020.99	1021.07	1021.09	1021.07	1021.06	1021.14	1021.24	1021.24	1021.02	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
7	0	1021.15	1021.13	1021.06	1021.01	1021.00	1021.04	1021.07	1021.09	1021.09	1021.08	1021.14	1021.21	1021.09
	1	1021.23	1021.26	1021.30	1021.28	1021.29	1021.28	1021.30	1021.44	1021.53	1021.49	1021.43	1021.42	1021.35
	2	1021.44	1021.45	1021.44	1021.40	1021.36	1021.36	1021.35	1021.32	1021.32	1021.33	1021.33	1021.34	1021.37
	3	1021.36	1021.36	1021.35	1021.36	1021.37	1021.35	1021.33	1021.34	1021.39	1021.48	1021.51	1021.47	1021.39
	4	1021.48	1021.50	1021.46	1021.42	1021.39	1021.38	1021.35	1021.29	1021.28	1021.27	1021.27	1021.29	1021.36
	5	1021.30	1021.31	1021.30	1021.28	1021.25	1021.23	1021.23	1021.25	1021.29	1021.36	1021.44	1021.51	1021.31
	6	1021.54	1021.53	1021.51	1021.50	1021.52	1021.49	1021.45	1021.44	1021.47	1021.53	1021.58	1021.60	1021.51
	7	1021.63	1021.70	1021.75	1021.78	1021.82	1021.84	1021.88	1021.88	1021.85	1021.84	1021.89	1021.94	1021.82
	8	1021.91	1021.90	1021.90	1021.87	1021.86	1021.90	1021.96	1022.03	1022.13	1022.19	1022.23	1022.32	1022.02
	9	1022.42	1022.47	1022.50	1022.53	1022.56	1022.57	1022.57	1022.57	1022.55	1022.53	1022.49	1022.42	1022.51
	10	1022.33	1022.27	1022.22	1022.17	1022.11	1022.06	1022.03	1022.00	1021.97	1021.94	1021.92	1021.88	1022.07
	11	1021.82	1021.75	1021.71	1021.68	1021.63	1021.61	1021.60	1021.58	1021.55	1021.50	1021.44	1021.38	1021.60
	12	1021.31	1021.23	1021.15	1021.07	1021.01	1020.98	1020.98	1020.99	1021.01	1021.01	1020.98	1020.95	1021.06
	13	1020.94	1020.91	1020.86	1020.82	1020.79	1020.76	1020.75	1020.78	1020.79	1020.77	1020.76	1020.74	1020.80
	14	1020.72	1020.71	1020.70	1020.68	1020.63	1020.58	1020.57	1020.55	1020.50	1020.44	1020.41	1020.41	1020.58
	15	1020.42	1020.41	1020.37	1020.33	1020.27	1020.22	1020.22	1020.22	1020.20	1020.16	1020.14	1020.14	1020.26
	16	1020.12	1020.07	1020.01	1020.04	1020.07	1020.07	1020.03	1019.96	1019.89	1019.85	1019.82	1019.78	1019.98
	17	1019.74	1019.73	1019.72	1019.69	1019.66	1019.65	1019.66	1019.65	1019.60	1019.52	1019.47	1019.47	1019.63
	18	1019.46	1019.39	1019.28	1019.20	1019.12	1019.05	1019.00	1018.98	1019.01	1019.08	1019.12	1019.08	1019.15
	19	1018.99	1018.89	1018.80	1018.77	1018.80	1018.76	1018.65	1018.57	1018.53	1018.53	1018.54	1018.52	1018.69
	20	1018.45	1018.44	1018.50	1018.52	1018.56	1018.63	1018.56	1018.34	1018.14	1018.09	1018.09	1018.03	1018.36
	21	1017.92	1017.76	1017.62	1017.56	1017.48	1017.53	1017.71	1017.77	1017.69	1017.58	1017.56	1017.48	1017.64
	22	1017.32	1017.23	1017.18	1017.16	1017.08	1016.87	1016.64	1016.45	1016.34	1016.29	1016.23	1016.19	1016.75
	23	1016.15	1016.08	1015.95	1015.75	1015.63	1015.64	1015.64	1015.64	1015.65	1015.66	1015.66	1015.61	1015.75
8	0	1015.53	1015.52	1015.49	1015.43	1015.30	1015.13	1014.98	1014.79	1014.67	1014.61	1014.53	1014.43	1015.01
	1	1014.33	1014.28	1014.31	1014.33	1014.29	1014.21	1014.13	1014.03	1013.88	1013.73	1013.64	1013.56	1014.06
	2	1013.42	1013.29	1013.23	1013.15	1013.02	1012.85	1012.69	1012.53	1012.38	1012.27	1012.12	1011.88	1012.74
	3	1011.74	1011.79	1011.89	1011.87	1011.78	1011.77	1011.91	1011.95	1011.78	1011.51	1011.29	1011.22	1011.71
	4	1011.14	1011.04	1010.96	1010.87	1010.80	1010.85	1010.90	1010.89	1010.91	1010.96	1011.00	1011.02	1010.94
	5	1011.03	1010.99	1010.94	1010.91	1010.88	1010.81	1010.72	1010.66	1010.69	1010.73	1010.71	1010.66	1010.81
	6	1010.65	1010.65	1010.64	1010.60	1010.55	1010.49	1010.48	1010.50	1010.50	1010.50	1010.50	1010.50	1010.55
	7	1010.49	1010.48	1010.49	1010.50	1010.50	1010.50	1010.50	1010.52	1010.61	1010.68	1010.68	1010.81	1010.56
	8	1010.97	1011.07	1011.11	1011.15	1011.22	1011.26	1011.29	1011.25	1011.19	1011.18	1011.19	1011.20	1011.17
	9	1011.25	1011.30	1011.36	1011.38	1011.32	1011.30	1011.34	1011.42	1011.54	1011.64	1011.71	1011.72	1011.44
	10	1011.73	1011.71	1011.68	1011.64	1011.55	1011.48	1011.43	1011.40	1011.39	1011.40	1011.41	1011.43	1011.52
	11	1011.45	1011.43	1011.42	1011.42	1011.40	1011.39	1011.40	1011.42	1011.42	1011.42	1011.39	1011.33	1011.41
	12	1011.27	1011.27	1011.35	1011.41	1011.45	1011.50	1011.49	1011.47	1011.48	1011.53	1011.55	1011.56	1011.44
	13	1011.59	1011.61	1011.59	1011.56	1011.55	1011.56	1011.59	1011.66	1011.72	1011.77	1011.81	1011.82	1011.65
	14	1011.85	1011.89	1011.91	1011.93	1012.00	1012.07	1012.15	1012.23	1012.26	1012.28	1012.31	1012.37	1012.10
	15	1012.43	1012.50	1012.59	1012.66	1012.75	1012.85	1012.92	1013.01	1013.07	1013.11	1013.20	1013.26	1012.86
	16	1013.29	1013.38	1013.51	1013.62	1013.71	1013.80	1013.86	1013.88	1013.92	1013.99	1014.08	1014.19	1013.77
	17	1014.27	1014.33	1014.36	1014.39	1014.48	1014.58	1014.63	1014.64	1014.67	1014.67	1014.68	1014.75	1014.54
	18	1014.84	1014.94	1015.02	1015.10	1015.12	1015.14	1015.20	1015.28	1015.33	1015.40	1015.48	1015.52	1015.20
	19	1015.50	1015.47	1015.49	1015.54	1015.56	1015.58	1015.62	1015.69	1015.78	1015.84	1015.86	1015.89	1015.65
	20	1015.90	1015.88	1015.88	1015.91	1015.94	1015.96	1015.94	1015.94	1015.99	1016.06	1016.14	1016.16	1015.98
	21	1016.07	1016.01	1016.02	1016.13	1016.29	1016.37	1016.38	1016.35	1016.36	1016.52	1016.66	1016.66	1016.32
	22	1016.68	1016.70	1016.64	1016.56	1016.54	1016.56	1016.55	1016.56	1016.60	1016.55	1016.46	1016.42	1016.57
	23	1016.47	1016.61	1016.77	1016.95	1017.03	1016.98	1016.91	1016.82	1016.74	1016.67	1016.68	1016.76	1016.78

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
9	0	1016.68	1016.62	1016.54	1016.55	1016.59	1016.64	1016.66	1016.61	1016.52	1016.45	1016.44	1016.47	1016.56
	1	1016.50	1016.50	1016.47	1016.43	1016.49	1016.59	1016.60	1016.59	1016.64	1016.61	1016.60	1016.70	1016.56
	2	1016.76	1016.74	1016.72	1016.65	1016.58	1016.53	1016.52	1016.57	1016.59	1016.53	1016.50	1016.55	1016.60
	3	1016.53	1016.42	1016.33	1016.28	1016.25	1016.22	1016.19	1016.18	1016.15	1016.10	1016.04	1016.09	1016.23
	4	1016.18	1016.19	1016.15	1016.04	1015.99	1016.05	1016.09	1016.07	1016.02	1015.87	1015.69	1015.65	1016.00
	5	1015.63	1015.55	1015.48	1015.41	1015.30	1015.15	1015.03	1015.00	1015.06	1015.13	1015.12	1015.08	1015.24
	6	1014.99	1014.91	1014.89	1014.90	1014.88	1014.80	1014.59	1014.41	1014.45	1014.59	1014.62	1014.64	1014.72
	7	1014.67	1014.62	1014.52	1014.42	1014.31	1014.18	1014.04	1013.98	1013.94	1013.88	1013.87	1013.85	1014.19
	8	1013.73	1013.66	1013.68	1013.65	1013.59	1013.48	1013.35	1013.31	1013.37	1013.45	1013.53	1013.62	1013.53
	9	1013.59	1013.42	1013.20	1012.93	1012.67	1012.49	1012.35	1012.23	1012.10	1012.03	1011.98	1011.90	1012.57
	10	1011.81	1011.74	1011.65	1011.57	1011.52	1011.54	1011.54	1011.47	1011.36	1011.20	1011.01	1010.88	1011.44
	11	1010.87	1010.82	1010.65	1010.51	1010.44	1010.36	1010.30	1010.26	1010.25	1010.26	1010.25	1010.23	1010.43
	12	1010.14	1010.03	1009.97	1009.85	1009.75	1009.69	1009.62	1009.57	1009.54	1009.53	1009.48	1009.40	1009.71
	13	1009.30	1009.18	1009.12	1009.07	1008.98	1008.91	1008.89	1008.90	1008.88	1008.82	1008.76	1008.73	1008.96
	14	1008.72	1008.75	1008.80	1008.85	1008.88	1008.87	1008.88	1008.90	1008.89	1008.92	1009.01	1009.12	1008.88
	15	1009.18	1009.19	1009.18	1009.16	1009.13	1009.09	1009.08	1009.05	1009.03	1009.05	1009.08	1009.13	1009.11
	16	1009.17	1009.14	1009.15	1009.21	1009.25	1009.31	1009.42	1009.53	1009.57	1009.58	1009.59	1009.58	1009.38
	17	1009.58	1009.56	1009.52	1009.48	1009.45	1009.40	1009.36	1009.38	1009.47	1009.53	1009.55	1009.53	1009.48
	18	1009.55	1009.59	1009.63	1009.66	1009.67	1009.73	1009.80	1009.80	1009.77	1009.78	1009.80	1009.77	1009.71
	19	1009.75	1009.77	1009.76	1009.77	1009.86	1009.97	1010.04	1010.04	1009.99	1009.96	1009.95	1009.96	1009.90
	20	1009.94	1009.90	1009.91	1009.95	1010.02	1010.11	1010.19	1010.18	1010.10	1010.02	1010.04	1010.12	1010.04
	21	1010.17	1010.18	1010.20	1010.24	1010.30	1010.36	1010.39	1010.37	1010.34	1010.36	1010.39	1010.36	1010.30
	22	1010.33	1010.34	1010.38	1010.45	1010.53	1010.64	1010.76	1010.81	1010.83	1010.85	1010.87	1010.89	1010.64
	23	1010.90	1010.90	1010.93	1010.94	1010.94	1010.94	1010.98	1010.99	1010.98	1010.98	1011.00	1011.03	1010.96
10	0	1010.94	1010.96	1011.01	1011.04	1011.06	1011.10	1011.13	1011.15	1011.15	1011.20	1011.27	1011.30	1011.12
	1	1011.35	1011.41	1011.44	1011.51	1011.59	1011.62	1011.56	1011.50	1011.45	1011.41	1011.40	1011.44	1011.47
	2	1011.51	1011.57	1011.62	1011.63	1011.61	1011.56	1011.55	1011.61	1011.70	1011.77	1011.80	1011.82	1011.65
	3	1011.84	1011.86	1011.86	1011.85	1011.83	1011.81	1011.81	1011.85	1011.87	1011.82	1011.77	1011.74	1011.83
	4	1011.70	1011.67	1011.69	1011.76	1011.85	1011.92	1011.96	1011.99	1012.00	1012.01	1012.04	1012.06	1011.89
	5	1012.08	1012.08	1012.08	1012.09	1012.12	1012.15	1012.15	1012.15	1012.17	1012.18	1012.22	1012.30	1012.15
	6	1012.38	1012.44	1012.51	1012.58	1012.65	1012.72	1012.77	1012.80	1012.81	1012.79	1012.79	1012.83	1012.67
	7	1012.86	1012.92	1013.00	1013.09	1013.18	1013.26	1013.34	1013.42	1013.47	1013.47	1013.45	1013.42	1013.24
	8	1013.41	1013.42	1013.41	1013.42	1013.44	1013.48	1013.57	1013.65	1013.70	1013.66	1013.59	1013.52	1013.52
	9	1013.45	1013.36	1013.35	1013.42	1013.51	1013.58	1013.62	1013.62	1013.59	1013.53	1013.43	1013.34	1013.48
	10	1013.29	1013.25	1013.23	1013.24	1013.23	1013.21	1013.17	1013.11	1013.09	1013.06	1012.99	1012.94	1013.15
	11	1012.92	1012.92	1012.91	1012.90	1012.87	1012.84	1012.80	1012.73	1012.68	1012.64	1012.59	1012.54	1012.78
	12	1012.50	1012.48	1012.47	1012.46	1012.43	1012.40	1012.36	1012.32	1012.30	1012.28	1012.26	1012.26	1012.38
	13	1012.26	1012.26	1012.26	1012.23	1012.21	1012.20	1012.22	1012.25	1012.29	1012.32	1012.34	1012.39	1012.27
	14	1012.43	1012.48	1012.54	1012.58	1012.60	1012.62	1012.63	1012.63	1012.62	1012.61	1012.61	1012.65	1012.58
	15	1012.69	1012.72	1012.71	1012.72	1012.77	1012.79	1012.80	1012.82	1012.87	1012.94	1013.00	1013.05	1012.82
	16	1013.07	1013.08	1013.10	1013.17	1013.24	1013.30	1013.35	1013.38	1013.40	1013.44	1013.47	1013.48	1013.29
	17	1013.48	1013.51	1013.53	1013.58	1013.63	1013.71	1013.79	1013.85	1013.90	1013.99	1014.07	1014.12	1013.76
	18	1014.17	1014.20	1014.22	1014.26	1014.30	1014.29	1014.26	1014.25	1014.27	1014.32	1014.37	1014.37	1014.27
	19	1014.37	1014.39	1014.43	1014.48	1014.53	1014.58	1014.64	1014.68	1014.70	1014.75	1014.85	1014.96	1014.61
	20	1015.03	1015.05	1015.05	1015.08	1015.13	1015.17	1015.21	1015.25	1015.27	1015.28	1015.31	1015.36	1015.18
	21	1015.40	1015.41	1015.44	1015.47	1015.48	1015.51	1015.56	1015.57	1015.58	1015.62	1015.66	1015.73	1015.54
	22	1015.77	1015.77	1015.80	1015.82	1015.82	1015.87	1015.90	1015.88	1015.87	1015.87	1015.84	1015.79	1015.83
	23	1015.73	1015.65	1015.59	1015.55	1015.50	1015.47	1015.46	1015.45	1015.42	1015.40	1015.36	1015.30	1015.49

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1015.35	1015.38	1015.44	1015.50	1015.59	1015.63	1015.64	1015.66	1015.67	1015.69	1015.70	1015.71	1015.59
	1	1015.73	1015.75	1015.77	1015.78	1015.77	1015.77	1015.79	1015.81	1015.82	1015.81	1015.79	1015.77	1015.78
	2	1015.76	1015.78	1015.79	1015.80	1015.79	1015.76	1015.71	1015.71	1015.74	1015.73	1015.68	1015.64	1015.74
	3	1015.66	1015.69	1015.72	1015.77	1015.79	1015.80	1015.81	1015.81	1015.76	1015.72	1015.73	1015.73	1015.75
	4	1015.70	1015.72	1015.76	1015.75	1015.71	1015.70	1015.71	1015.73	1015.72	1015.71	1015.67	1015.64	1015.71
	5	1015.65	1015.66	1015.66	1015.67	1015.70	1015.73	1015.76	1015.81	1015.83	1015.80	1015.77	1015.74	1015.73
	6	1015.76	1015.81	1015.84	1015.84	1015.82	1015.82	1015.86	1015.89	1015.91	1015.90	1015.90	1015.89	1015.85
	7	1015.91	1015.95	1015.93	1015.90	1015.93	1015.99	1016.04	1016.04	1016.04	1016.07	1016.15	1016.22	1016.01
	8	1016.24	1016.28	1016.33	1016.40	1016.47	1016.53	1016.59	1016.62	1016.67	1016.74	1016.81	1016.87	1016.54
	9	1016.90	1016.89	1016.93	1017.03	1017.04	1016.98	1016.96	1017.02	1017.11	1017.13	1017.12	1017.13	1017.02
	10	1017.10	1017.02	1016.97	1016.87	1016.78	1016.74	1016.71	1016.68	1016.63	1016.58	1016.49	1016.39	1016.75
	11	1016.32	1016.29	1016.26	1016.24	1016.20	1016.14	1016.11	1016.10	1016.06	1016.01	1015.98	1015.96	1016.14
	12	1015.94	1015.92	1015.90	1015.85	1015.80	1015.73	1015.65	1015.59	1015.58	1015.59	1015.58	1015.57	1015.72
	13	1015.58	1015.58	1015.58	1015.58	1015.61	1015.65	1015.65	1015.62	1015.59	1015.64	1015.68	1015.63	1015.61
	14	1015.54	1015.53	1015.56	1015.60	1015.63	1015.59	1015.54	1015.54	1015.55	1015.52	1015.56	1015.69	1015.57
	15	1015.77	1015.78	1015.78	1015.78	1015.77	1015.83	1015.89	1015.95	1016.00	1016.03	1016.05	1016.05	1015.89
	16	1016.08	1016.14	1016.22	1016.29	1016.32	1016.37	1016.44	1016.49	1016.54	1016.61	1016.66	1016.69	1016.40
	17	1016.75	1016.80	1016.83	1016.86	1016.89	1016.90	1016.93	1016.93	1016.94	1016.97	1017.01	1017.08	1016.91
	18	1017.12	1017.14	1017.15	1017.17	1017.19	1017.20	1017.22	1017.25	1017.30	1017.33	1017.34	1017.38	1017.23
	19	1017.46	1017.50	1017.54	1017.58	1017.56	1017.53	1017.52	1017.51	1017.52	1017.56	1017.61	1017.65	1017.55
	20	1017.64	1017.63	1017.63	1017.62	1017.61	1017.61	1017.62	1017.64	1017.70	1017.75	1017.78	1017.82	1017.67
	21	1017.84	1017.85	1017.85	1017.83	1017.84	1017.87	1017.93	1018.00	1018.02	1018.02	1018.03	1018.09	1017.93
	22	1018.14	1018.15	1018.15	1018.15	1018.14	1018.14	1018.18	1018.23	1018.23	1018.20	1018.17	1018.16	1018.17
	23	1018.16	1018.19	1018.21	1018.23	1018.24	1018.21	1018.19	1018.20	1018.21	1018.20	1018.17	1018.13	1018.20
12	0	1018.08	1018.08	1018.05	1018.03	1018.00	1017.98	1017.97	1017.97	1017.97	1017.98	1017.99	1017.98	1018.00
	1	1017.97	1018.01	1018.05	1018.08	1018.13	1018.17	1018.20	1018.22	1018.22	1018.20	1018.16	1018.13	1018.13
	2	1018.13	1018.12	1018.14	1018.13	1018.09	1018.04	1018.04	1018.08	1018.13	1018.16	1018.16	1018.13	1018.11
	3	1018.11	1018.13	1018.15	1018.16	1018.12	1018.07	1018.05	1018.05	1018.03	1018.01	1018.00	1018.01	1018.07
	4	1018.02	1018.02	1017.98	1017.97	1017.99	1017.97	1017.96	1017.98	1018.00	1018.04	1018.11	1018.17	1018.02
	5	1018.18	1018.20	1018.22	1018.24	1018.22	1018.19	1018.21	1018.24	1018.26	1018.31	1018.33	1018.31	1018.24
	6	1018.33	1018.40	1018.43	1018.44	1018.45	1018.46	1018.47	1018.49	1018.53	1018.62	1018.70	1018.72	1018.50
	7	1018.76	1018.80	1018.83	1018.86	1018.88	1018.89	1018.89	1018.88	1018.89	1018.87	1018.86	1018.88	1018.86
	8	1018.93	1018.97	1018.98	1018.97	1018.95	1018.94	1018.93	1018.95	1018.98	1019.02	1019.07	1019.09	1018.98
	9	1019.10	1019.10	1019.10	1019.13	1019.12	1019.07	1019.04	1019.02	1018.98	1018.91	1018.85	1018.80	1019.02
	10	1018.77	1018.74	1018.69	1018.60	1018.53	1018.49	1018.42	1018.33	1018.24	1018.16	1018.09	1018.05	1018.43
	11	1017.99	1017.96	1017.95	1017.91	1017.86	1017.81	1017.75	1017.67	1017.59	1017.49	1017.39	1017.33	1017.72
	12	1017.27	1017.24	1017.22	1017.19	1017.16	1017.13	1017.09	1017.06	1017.02	1017.00	1017.00	1017.00	1017.11
	13	1016.99	1016.98	1016.98	1016.96	1016.94	1016.92	1016.93	1016.96	1016.97	1016.95	1016.91	1016.88	1016.95
	14	1016.85	1016.86	1016.87	1016.88	1016.87	1016.83	1016.78	1016.76	1016.76	1016.76	1016.75	1016.74	1016.81
	15	1016.73	1016.71	1016.70	1016.68	1016.65	1016.62	1016.57	1016.50	1016.45	1016.44	1016.45	1016.45	1016.58
	16	1016.42	1016.40	1016.40	1016.41	1016.43	1016.45	1016.47	1016.46	1016.46	1016.44	1016.42	1016.38	1016.43
	17	1016.34	1016.30	1016.28	1016.28	1016.24	1016.21	1016.18	1016.16	1016.15	1016.13	1016.10	1016.10	1016.21
	18	1016.11	1016.11	1016.11	1016.13	1016.16	1016.22	1016.28	1016.30	1016.27	1016.21	1016.12	1016.08	1016.17
	19	1016.10	1016.11	1016.07	1016.05	1016.06	1016.05	1016.04	1016.03	1015.98	1015.91	1015.85	1015.79	1016.00
	20	1015.76	1015.76	1015.73	1015.67	1015.63	1015.61	1015.62	1015.63	1015.64	1015.69	1015.73	1015.74	1015.68
	21	1015.72	1015.69	1015.69	1015.70	1015.69	1015.70	1015.71	1015.71	1015.70	1015.62	1015.55	1015.51	1015.67
	22	1015.50	1015.45	1015.41	1015.38	1015.32	1015.27	1015.25	1015.21	1015.16	1015.11	1015.03	1014.94	1015.25
	23	1014.90	1014.87	1014.82	1014.78	1014.75	1014.71	1014.69	1014.71	1014.75	1014.77	1014.75	1014.70	1014.77

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
13	0	1014.62	1014.60	1014.56	1014.55	1014.63	1014.63	1014.48	1014.36	1014.32	1014.34	1014.34	1014.31	1014.47
	1	1014.28	1014.25	1014.20	1014.15	1014.13	1014.10	1014.02	1013.95	1013.85	1013.71	1013.56	1013.46	1013.97
	2	1013.34	1013.22	1013.16	1013.11	1013.06	1013.02	1012.98	1012.93	1012.89	1012.85	1012.75	1012.64	1013.00
	3	1012.58	1012.55	1012.52	1012.45	1012.34	1012.22	1012.16	1012.13	1012.08	1011.97	1011.83	1011.73	1012.21
	4	1011.69	1011.64	1011.61	1011.59	1011.53	1011.47	1011.46	1011.49	1011.49	1011.45	1011.46	1011.47	1011.53
	5	1011.42	1011.34	1011.32	1011.32	1011.29	1011.23	1011.19	1011.18	1011.18	1011.15	1011.11	1011.10	1011.24
	6	1011.11	1011.18	1011.25	1011.26	1011.24	1011.17	1011.08	1011.00	1010.94	1010.92	1010.95	1010.97	1011.09
	7	1010.98	1010.98	1011.00	1011.04	1011.10	1011.13	1011.13	1011.12	1011.16	1011.21	1011.24	1011.25	1011.11
	8	1011.25	1011.23	1011.22	1011.25	1011.25	1011.22	1011.18	1011.13	1011.07	1011.04	1011.05	1011.06	1011.16
	9	1011.08	1011.12	1011.13	1011.08	1011.02	1011.01	1010.99	1010.94	1010.87	1010.75	1010.60	1010.57	1010.93
	10	1010.55	1010.49	1010.43	1010.34	1010.27	1010.21	1010.15	1010.10	1010.08	1010.04	1009.97	1009.90	1010.21
	11	1009.84	1009.79	1009.72	1009.66	1009.63	1009.59	1009.54	1009.47	1009.39	1009.35	1009.32	1009.29	1009.55
	12	1009.24	1009.18	1009.14	1009.11	1009.11	1009.12	1009.09	1009.08	1009.09	1009.07	1009.05	1009.02	1009.11
	13	1009.00	1008.98	1008.95	1008.96	1009.03	1009.05	1009.05	1009.03	1009.02	1009.03	1009.05	1009.10	1009.02
	14	1009.18	1009.21	1009.18	1009.16	1009.15	1009.12	1009.12	1009.12	1009.07	1009.03	1009.08	1009.11	1009.13
	15	1009.09	1009.08	1009.07	1009.07	1009.04	1009.02	1009.06	1009.08	1009.07	1009.05	1009.02	1009.01	1009.05
	16	1009.04	1009.07	1009.05	1009.01	1009.00	1009.03	1009.06	1009.07	1009.08	1009.09	1009.08	1009.04	1009.05
	17	1009.04	1009.04	1009.02	1008.99	1008.98	1008.99	1009.00	1008.99	1008.95	1008.92	1008.92	1008.92	1008.98
	18	1008.93	1008.91	1008.90	1008.88	1008.80	1008.75	1008.73	1008.71	1008.70	1008.71	1008.68	1008.64	1008.78
	19	1008.63	1008.61	1008.57	1008.54	1008.57	1008.59	1008.60	1008.64	1008.69	1008.75	1008.79	1008.85	1008.65
	20	1008.91	1008.94	1008.97	1009.00	1009.01	1009.02	1009.02	1009.02	1009.02	1009.00	1008.97	1008.98	1008.99
	21	1009.00	1008.99	1009.00	1009.06	1009.08	1009.04	1009.01	1009.02	1009.04	1009.02	1009.00	1008.96	1009.02
	22	1008.92	1008.93	1008.95	1008.92	1008.89	1008.83	1008.74	1008.69	1008.68	1008.67	1008.61	1008.55	1008.78
	23	1008.51	1008.49	1008.46	1008.44	1008.42	1008.40	1008.40	1008.38	1008.31	1008.21	1008.10	1008.02	1008.34
14	0	1007.95	1007.97	1007.97	1007.90	1007.79	1007.72	1007.66	1007.62	1007.61	1007.60	1007.61	1007.59	1007.74
	1	1007.54	1007.57	1007.59	1007.55	1007.51	1007.51	1007.54	1007.55	1007.57	1007.54	1007.46	1007.38	1007.53
	2	1007.32	1007.28	1007.23	1007.17	1007.06	1006.97	1006.94	1006.90	1006.86	1006.81	1006.73	1006.69	1007.00
	3	1006.64	1006.57	1006.53	1006.49	1006.44	1006.37	1006.29	1006.22	1006.13	1006.02	1005.94	1005.89	1006.29
	4	1005.87	1005.88	1005.87	1005.87	1005.90	1005.92	1005.88	1005.87	1005.90	1005.95	1005.97	1005.95	1005.90
	5	1005.91	1005.91	1005.94	1005.92	1005.90	1005.92	1005.94	1005.96	1005.95	1005.94	1005.96	1005.98	1005.94
	6	1005.98	1005.99	1006.02	1006.05	1006.10	1006.13	1006.10	1006.07	1006.07	1006.06	1006.06	1006.08	1006.06
	7	1006.12	1006.15	1006.19	1006.22	1006.26	1006.28	1006.28	1006.31	1006.35	1006.37	1006.40	1006.44	1006.28
	8	1006.49	1006.52	1006.54	1006.59	1006.63	1006.66	1006.68	1006.69	1006.74	1006.78	1006.84	1006.90	1006.67
	9	1006.96	1006.99	1007.01	1007.05	1007.08	1007.09	1007.12	1007.15	1007.12	1007.09	1007.08	1007.06	1007.07
	10	1007.02	1006.97	1006.92	1006.90	1006.87	1006.83	1006.80	1006.84	1006.94	1007.00	1007.00	1006.99	1006.92
	11	1006.98	1006.93	1006.89	1006.87	1006.83	1006.73	1006.64	1006.62	1006.60	1006.58	1006.54	1006.50	1006.72
	12	1006.47	1006.43	1006.41	1006.43	1006.44	1006.42	1006.38	1006.35	1006.38	1006.43	1006.46	1006.47	1006.42
	13	1006.47	1006.48	1006.50	1006.51	1006.55	1006.61	1006.66	1006.68	1006.71	1006.72	1006.71	1006.71	1006.61
	14	1006.74	1006.78	1006.85	1006.95	1007.00	1006.99	1006.99	1007.02	1007.05	1007.08	1007.11	1007.11	1006.97
	15	1007.12	1007.17	1007.22	1007.27	1007.32	1007.35	1007.35	1007.33	1007.34	1007.40	1007.44	1007.47	1007.31
	16	1007.54	1007.61	1007.65	1007.66	1007.71	1007.75	1007.72	1007.69	1007.67	1007.67	1007.70	1007.72	1007.67
	17	1007.77	1007.83	1007.89	1007.94	1008.00	1008.05	1008.09	1008.12	1008.15	1008.21	1008.29	1008.36	1008.06
	18	1008.43	1008.50	1008.55	1008.56	1008.54	1008.53	1008.54	1008.54	1008.55	1008.59	1008.68	1008.75	1008.56
	19	1008.76	1008.78	1008.82	1008.85	1008.88	1008.92	1008.97	1009.03	1009.11	1009.19	1009.24	1009.26	1008.98
	20	1009.28	1009.29	1009.25	1009.21	1009.20	1009.21	1009.23	1009.24	1009.24	1009.21	1009.21	1009.25	1009.23
	21	1009.28	1009.28	1009.30	1009.37	1009.48	1009.56	1009.57	1009.57	1009.56	1009.55	1009.57	1009.59	1009.47
	22	1009.58	1009.56	1009.52	1009.51	1009.50	1009.47	1009.47	1009.44	1009.41	1009.45	1009.54	1009.58	1009.50
	23	1009.54	1009.46	1009.39	1009.33	1009.32	1009.38	1009.41	1009.40	1009.40	1009.46	1009.47	1009.44	1009.42

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1009.38	1009.41	1009.44	1009.46	1009.47	1009.47	1009.49	1009.56	1009.62	1009.65	1009.69	1009.69	1009.53
	1	1009.68	1009.71	1009.79	1009.88	1009.95	1009.99	1010.00	1009.96	1009.93	1009.92	1009.88	1009.84	1009.88
	2	1009.85	1009.86	1009.86	1009.89	1009.97	1010.03	1010.02	1009.98	1009.99	1010.02	1010.00	1009.97	1009.95
	3	1010.00	1010.05	1010.06	1010.06	1010.05	1010.07	1010.09	1010.10	1010.07	1010.07	1010.10	1010.08	1010.07
	4	1010.06	1010.09	1010.17	1010.22	1010.23	1010.22	1010.21	1010.25	1010.30	1010.33	1010.37	1010.38	1010.24
	5	1010.37	1010.41	1010.49	1010.56	1010.61	1010.66	1010.68	1010.68	1010.70	1010.73	1010.80	1010.90	1010.63
	6	1010.97	1011.00	1011.06	1011.13	1011.17	1011.16	1011.16	1011.22	1011.26	1011.26	1011.28	1011.35	1011.17
	7	1011.39	1011.38	1011.40	1011.47	1011.54	1011.56	1011.58	1011.61	1011.65	1011.71	1011.77	1011.85	1011.58
	8	1011.90	1011.93	1011.95	1012.00	1012.07	1012.12	1012.19	1012.29	1012.38	1012.43	1012.49	1012.57	1012.19
	9	1012.65	1012.72	1012.73	1012.74	1012.77	1012.77	1012.74	1012.70	1012.67	1012.64	1012.60	1012.54	1012.69
	10	1012.49	1012.46	1012.47	1012.47	1012.47	1012.47	1012.47	1012.52	1012.53	1012.53	1012.54	1012.53	1012.50
	11	1012.55	1012.58	1012.55	1012.50	1012.47	1012.47	1012.50	1012.52	1012.50	1012.46	1012.45	1012.46	1012.50
	12	1012.42	1012.35	1012.33	1012.35	1012.36	1012.37	1012.38	1012.40	1012.41	1012.42	1012.44	1012.45	1012.39
	13	1012.45	1012.45	1012.48	1012.53	1012.59	1012.64	1012.67	1012.69	1012.68	1012.69	1012.74	1012.76	1012.61
	14	1012.79	1012.86	1012.92	1012.95	1012.99	1013.04	1013.14	1013.22	1013.32	1013.43	1013.49	1013.51	1013.14
	15	1013.54	1013.64	1013.77	1013.89	1013.93	1013.92	1013.91	1013.91	1013.94	1014.03	1014.09	1014.12	1013.89
	16	1014.16	1014.24	1014.29	1014.30	1014.34	1014.43	1014.54	1014.63	1014.72	1014.80	1014.89	1014.95	1014.52
	17	1014.95	1014.96	1014.98	1015.03	1015.05	1015.06	1015.08	1015.15	1015.22	1015.25	1015.30	1015.42	1015.12
	18	1015.53	1015.61	1015.71	1015.83	1015.96	1016.03	1016.05	1016.05	1016.04	1016.04	1016.05	1016.09	1015.91
	19	1016.13	1016.16	1016.18	1016.19	1016.22	1016.25	1016.26	1016.30	1016.34	1016.39	1016.41	1016.39	1016.27
	20	1016.35	1016.32	1016.35	1016.41	1016.45	1016.44	1016.40	1016.28	1016.17	1016.14	1016.19	1016.24	1016.31
	21	1016.28	1016.32	1016.36	1016.45	1016.59	1016.68	1016.75	1016.86	1016.97	1017.05	1017.05	1016.97	1016.69
	22	1016.93	1016.91	1016.90	1016.92	1016.98	1017.08	1017.13	1017.12	1017.14	1017.19	1017.27	1017.35	1017.08
	23	1017.41	1017.43	1017.44	1017.46	1017.53	1017.62	1017.69	1017.66	1017.55	1017.50	1017.51	1017.58	1017.53
16	0	1017.71	1017.72	1017.75	1017.80	1017.89	1018.00	1018.02	1017.99	1017.97	1017.92	1017.87	1017.90	1017.89
	1	1018.00	1018.08	1018.07	1018.05	1018.11	1018.14	1018.17	1018.19	1018.13	1018.12	1018.19	1018.19	1018.12
	2	1018.15	1018.17	1018.17	1018.12	1018.06	1018.03	1018.09	1018.14	1018.18	1018.24	1018.22	1018.12	1018.14
	3	1018.00	1017.92	1017.93	1018.02	1018.10	1018.14	1018.17	1018.15	1018.06	1018.01	1018.00	1018.03	1018.04
	4	1018.09	1018.16	1018.25	1018.26	1018.21	1018.22	1018.27	1018.26	1018.19	1018.18	1018.18	1018.11	1018.20
	5	1018.13	1018.23	1018.25	1018.24	1018.25	1018.31	1018.35	1018.41	1018.53	1018.69	1018.89	1019.06	1018.44
	6	1019.07	1018.99	1018.95	1018.88	1018.83	1018.82	1018.80	1018.72	1018.71	1018.79	1018.88	1018.94	1018.86
	7	1018.92	1018.89	1018.89	1018.95	1019.02	1019.05	1019.08	1019.15	1019.15	1019.11	1019.17	1019.23	1019.05
	8	1019.30	1019.41	1019.49	1019.54	1019.57	1019.58	1019.65	1019.70	1019.72	1019.83	1019.91	1019.84	1019.63
	9	1019.70	1019.67	1019.76	1019.86	1019.90	1019.93	1019.91	1019.90	1019.90	1019.84	1019.74	1019.66	1019.81
	10	1019.56	1019.49	1019.48	1019.45	1019.41	1019.36	1019.30	1019.23	1019.15	1018.98	1018.76	1018.66	1019.24
	11	1018.64	1018.69	1018.70	1018.71	1018.79	1018.86	1018.88	1018.94	1018.98	1018.89	1018.77	1018.65	1018.79
	12	1018.56	1018.51	1018.45	1018.34	1018.16	1018.00	1017.96	1017.98	1018.00	1018.01	1017.92	1017.76	1018.14
	13	1017.72	1017.78	1017.81	1017.75	1017.71	1017.74	1017.79	1017.77	1017.63	1017.62	1017.72	1017.77	1017.73
	14	1017.73	1017.70	1017.77	1017.84	1017.90	1017.98	1017.96	1017.87	1017.76	1017.59	1017.46	1017.44	1017.75
	15	1017.52	1017.60	1017.60	1017.61	1017.56	1017.52	1017.49	1017.44	1017.43	1017.49	1017.52	1017.52	1017.52
	16	1017.49	1017.44	1017.38	1017.31	1017.30	1017.32	1017.31	1017.33	1017.40	1017.40	1017.36	1017.34	1017.37
	17	1017.31	1017.24	1017.14	1017.06	1017.03	1017.05	1017.04	1016.97	1016.89	1016.80	1016.73	1016.68	1017.00
	18	1016.65	1016.66	1016.67	1016.63	1016.54	1016.45	1016.34	1016.22	1016.11	1015.99	1015.88	1015.79	1016.33
	19	1015.68	1015.55	1015.48	1015.39	1015.27	1015.12	1014.98	1014.86	1014.74	1014.62	1014.53	1014.43	1015.05
	20	1014.39	1014.36	1014.26	1014.16	1014.10	1014.00	1013.85	1013.77	1013.72	1013.66	1013.63	1013.57	1013.96
	21	1013.44	1013.39	1013.38	1013.40	1013.41	1013.37	1013.31	1013.19	1013.08	1013.03	1012.96	1012.83	1013.23
	22	1012.69	1012.58	1012.48	1012.39	1012.25	1012.08	1011.89	1011.71	1011.58	1011.44	1011.31	1011.24	1011.97
	23	1011.17	1011.11	1011.01	1010.84	1010.71	1010.63	1010.53	1010.46	1010.37	1010.28	1010.23	1010.10	1010.62

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1009.86	1009.89	1009.88	1009.85	1009.76	1009.63	1009.56	1009.51	1009.43	1009.32	1009.20	1009.19	1009.58
	1	1009.17	1009.07	1008.98	1008.94	1008.97	1009.12	1009.23	1009.23	1009.21	1009.08	1008.93	1008.83	1009.06
	2	1008.79	1008.70	1008.57	1008.46	1008.42	1008.41	1008.38	1008.31	1008.29	1008.29	1008.26	1008.24	1008.43
	3	1008.22	1008.21	1008.17	1008.09	1008.00	1007.94	1007.96	1007.96	1007.96	1008.02	1008.05	1008.04	1008.05
	4	1008.03	1008.02	1007.97	1007.94	1007.97	1008.01	1007.99	1007.99	1008.08	1008.18	1008.27	1008.35	1008.07
	5	1008.41	1008.46	1008.57	1008.75	1008.91	1009.10	1009.26	1009.32	1009.38	1009.48	1009.58	1009.55	1009.06
	6	1009.53	1009.60	1009.68	1009.73	1009.75	1009.81	1009.90	1010.03	1010.24	1010.43	1010.56	1010.69	1009.99
	7	1010.74	1010.75	1010.80	1010.82	1010.86	1010.94	1011.03	1011.10	1011.17	1011.25	1011.33	1011.45	1011.02
	8	1011.57	1011.68	1011.74	1011.72	1011.73	1011.76	1011.79	1011.85	1011.94	1012.07	1012.17	1012.22	1011.85
	9	1012.28	1012.31	1012.29	1012.27	1012.30	1012.35	1012.38	1012.38	1012.32	1012.27	1012.28	1012.27	1012.31
	10	1012.23	1012.22	1012.22	1012.19	1012.11	1012.08	1012.12	1012.16	1012.15	1012.06	1011.91	1011.81	1012.10
	11	1011.84	1011.90	1011.90	1011.87	1011.79	1011.67	1011.62	1011.60	1011.55	1011.47	1011.44	1011.42	1011.67
	12	1011.37	1011.33	1011.30	1011.31	1011.33	1011.33	1011.32	1011.27	1011.26	1011.29	1011.31	1011.34	1011.31
	13	1011.36	1011.39	1011.42	1011.44	1011.43	1011.44	1011.48	1011.50	1011.51	1011.54	1011.54	1011.55	1011.47
	14	1011.55	1011.58	1011.60	1011.61	1011.63	1011.66	1011.65	1011.62	1011.62	1011.63	1011.66	1011.72	1011.63
	15	1011.79	1011.84	1011.88	1011.91	1011.99	1012.07	1012.14	1012.18	1012.21	1012.24	1012.27	1012.35	1012.07
	16	1012.43	1012.48	1012.57	1012.67	1012.74	1012.79	1012.87	1012.98	1013.09	1013.19	1013.29	1013.41	1012.88
	17	1013.59	1013.73	1013.81	1013.90	1013.99	1014.08	1014.18	1014.33	1014.51	1014.64	1014.77	1014.91	1014.20
	18	1015.01	1015.08	1015.16	1015.23	1015.31	1015.43	1015.53	1015.56	1015.61	1015.70	1015.77	1015.87	1015.44
	19	1016.02	1016.17	1016.34	1016.50	1016.61	1016.72	1016.85	1016.94	1017.00	1017.07	1017.14	1017.24	1016.72
	20	1017.34	1017.42	1017.49	1017.55	1017.61	1017.64	1017.68	1017.74	1017.74	1017.71	1017.68	1017.68	1017.61
	21	1017.69	1017.67	1017.66	1017.70	1017.81	1017.93	1018.08	1018.29	1018.46	1018.57	1018.72	1018.84	1018.12
	22	1018.82	1018.76	1018.70	1018.60	1018.55	1018.54	1018.57	1018.66	1018.80	1018.87	1018.92	1019.01	1018.73
23	1019.10	1019.13	1019.10	1019.06	1018.99	1018.93	1018.99	1019.12	1019.25	1019.32	1019.42	1019.51	1019.16	
18	0	1019.57	1019.66	1019.84	1019.96	1020.04	1020.13	1020.21	1020.28	1020.29	1020.33	1020.50	1020.69	1020.15
	1	1020.82	1020.86	1020.91	1021.06	1021.19	1021.24	1021.28	1021.27	1021.11	1020.93	1020.92	1020.97	1021.05
	2	1021.02	1021.07	1021.11	1021.15	1021.16	1021.08	1020.98	1020.92	1020.84	1020.76	1020.75	1020.79	1020.97
	3	1020.81	1020.78	1020.73	1020.69	1020.71	1020.73	1020.83	1021.07	1021.25	1021.25	1021.18	1021.14	1020.93
	4	1021.15	1021.23	1021.38	1021.52	1021.56	1021.59	1021.68	1021.79	1021.89	1021.91	1021.87	1021.76	1021.61
	5	1021.64	1021.67	1021.78	1021.90	1021.95	1021.92	1021.89	1021.93	1022.03	1022.18	1022.31	1022.32	1021.96
	6	1022.27	1022.26	1022.24	1022.25	1022.36	1022.45	1022.44	1022.44	1022.46	1022.50	1022.60	1022.67	1022.41
	7	1022.63	1022.52	1022.53	1022.64	1022.78	1022.91	1022.96	1022.99	1023.07	1023.19	1023.29	1023.37	1022.91
	8	1023.44	1023.51	1023.58	1023.62	1023.74	1023.83	1023.83	1023.88	1023.94	1023.91	1023.88	1023.88	1023.75
	9	1023.89	1023.90	1023.93	1023.97	1023.96	1023.97	1024.03	1024.03	1023.95	1023.91	1023.89	1023.82	1023.94
	10	1023.75	1023.72	1023.73	1023.78	1023.77	1023.72	1023.70	1023.69	1023.69	1023.69	1023.69	1023.66	1023.72
	11	1023.60	1023.53	1023.48	1023.46	1023.45	1023.43	1023.41	1023.39	1023.33	1023.28	1023.24	1023.18	1023.40
	12	1023.09	1023.04	1023.03	1022.98	1022.94	1022.92	1022.87	1022.81	1022.75	1022.70	1022.70	1022.72	1022.88
	13	1022.74	1022.75	1022.74	1022.74	1022.81	1022.83	1022.75	1022.72	1022.75	1022.70	1022.67	1022.75	1022.74
	14	1022.78	1022.76	1022.78	1022.78	1022.75	1022.76	1022.80	1022.82	1022.82	1022.80	1022.85	1022.96	1022.81
	15	1023.08	1023.16	1023.18	1023.13	1023.12	1023.19	1023.23	1023.22	1023.25	1023.31	1023.35	1023.40	1023.22
	16	1023.43	1023.42	1023.45	1023.49	1023.49	1023.51	1023.55	1023.55	1023.53	1023.50	1023.48	1023.53	1023.49
	17	1023.57	1023.52	1023.46	1023.42	1023.39	1023.38	1023.44	1023.53	1023.63	1023.71	1023.73	1023.78	1023.55
	18	1023.86	1023.97	1024.07	1024.11	1024.17	1024.25	1024.29	1024.27	1024.28	1024.30	1024.27	1024.32	1024.18
	19	1024.42	1024.45	1024.46	1024.50	1024.52	1024.49	1024.47	1024.46	1024.41	1024.33	1024.29	1024.30	1024.42
	20	1024.32	1024.33	1024.34	1024.38	1024.42	1024.48	1024.56	1024.60	1024.61	1024.66	1024.69	1024.67	1024.50
	21	1024.62	1024.58	1024.54	1024.49	1024.46	1024.40	1024.33	1024.33	1024.37	1024.40	1024.39	1024.38	1024.44
	22	1024.38	1024.36	1024.34	1024.34	1024.33	1024.34	1024.38	1024.41	1024.42	1024.42	1024.42	1024.40	1024.38
23	1024.37	1024.39	1024.39	1024.33	1024.28	1024.22	1024.19	1024.20	1024.23	1024.21	1024.16	1024.13	1024.26	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1024.06	1024.09	1024.11	1024.09	1024.12	1024.15	1024.14	1024.16	1024.20	1024.21	1024.20	1024.20	1024.15
	1	1024.20	1024.20	1024.22	1024.27	1024.30	1024.28	1024.25	1024.22	1024.24	1024.27	1024.31	1024.31	1024.26
	2	1024.29	1024.30	1024.29	1024.29	1024.28	1024.27	1024.25	1024.20	1024.14	1024.11	1024.10	1024.05	1024.21
	3	1023.97	1023.89	1023.87	1023.85	1023.79	1023.75	1023.71	1023.69	1023.67	1023.60	1023.53	1023.52	1023.74
	4	1023.52	1023.49	1023.50	1023.54	1023.55	1023.56	1023.59	1023.61	1023.61	1023.61	1023.62	1023.62	1023.57
	5	1023.62	1023.64	1023.67	1023.68	1023.66	1023.66	1023.70	1023.75	1023.78	1023.76	1023.75	1023.78	1023.70
	6	1023.78	1023.77	1023.78	1023.81	1023.81	1023.78	1023.74	1023.74	1023.82	1023.92	1023.99	1024.03	1023.83
	7	1024.03	1024.02	1024.05	1024.10	1024.13	1024.13	1024.14	1024.18	1024.21	1024.29	1024.40	1024.45	1024.18
	8	1024.49	1024.55	1024.60	1024.66	1024.70	1024.73	1024.78	1024.84	1024.90	1024.94	1024.94	1024.93	1024.75
	9	1024.96	1025.02	1025.03	1025.01	1024.97	1024.94	1024.93	1024.88	1024.88	1024.89	1024.86	1024.82	1024.93
	10	1024.73	1024.63	1024.56	1024.48	1024.42	1024.37	1024.27	1024.17	1024.10	1024.01	1023.93	1023.90	1024.30
	11	1023.90	1023.88	1023.80	1023.69	1023.62	1023.57	1023.51	1023.44	1023.36	1023.23	1023.07	1022.99	1023.51
	12	1022.98	1022.96	1022.91	1022.86	1022.81	1022.73	1022.62	1022.54	1022.52	1022.51	1022.48	1022.43	1022.70
	13	1022.37	1022.31	1022.27	1022.25	1022.21	1022.20	1022.21	1022.23	1022.25	1022.23	1022.20	1022.18	1022.24
	14	1022.14	1022.09	1022.06	1022.04	1022.00	1021.95	1021.90	1021.87	1021.89	1021.94	1021.98	1022.01	1021.99
	15	1022.06	1022.10	1022.15	1022.17	1022.15	1022.08	1021.98	1021.94	1021.97	1022.02	1022.03	1021.99	1022.05
	16	1021.95	1021.97	1022.00	1022.00	1022.01	1022.02	1022.03	1022.05	1022.05	1022.01	1021.96	1021.91	1022.00
	17	1021.85	1021.79	1021.75	1021.72	1021.70	1021.71	1021.71	1021.73	1021.76	1021.78	1021.79	1021.77	1021.75
	18	1021.79	1021.83	1021.80	1021.71	1021.61	1021.56	1021.53	1021.45	1021.41	1021.40	1021.38	1021.35	1021.57
	19	1021.33	1021.34	1021.37	1021.45	1021.46	1021.36	1021.34	1021.33	1021.31	1021.24	1021.15	1021.12	1021.32
	20	1021.19	1021.21	1021.16	1021.17	1021.20	1021.23	1021.26	1021.27	1021.27	1021.27	1021.27	1021.26	1021.23
	21	1021.29	1021.34	1021.32	1021.28	1021.32	1021.36	1021.39	1021.47	1021.56	1021.60	1021.66	1021.70	1021.44
	22	1021.67	1021.60	1021.55	1021.56	1021.56	1021.57	1021.58	1021.52	1021.40	1021.32	1021.34	1021.45	1021.51
	23	1021.51	1021.51	1021.49	1021.42	1021.36	1021.34	1021.34	1021.32	1021.25	1021.17	1021.14	1021.14	1021.33
20	0	1021.03	1021.00	1020.89	1020.71	1020.60	1020.62	1020.58	1020.49	1020.41	1020.36	1020.38	1020.39	1020.60
	1	1020.19	1020.00	1020.08	1020.13	1020.14	1020.27	1020.42	1020.40	1020.30	1020.26	1020.26	1020.22	1020.22
	2	1020.12	1020.09	1020.12	1020.10	1020.08	1020.09	1020.06	1020.03	1020.05	1020.02	1019.96	1019.88	1020.05
	3	1019.84	1019.84	1019.81	1019.75	1019.67	1019.66	1019.65	1019.64	1019.64	1019.64	1019.68	1019.69	1019.71
	4	1019.63	1019.60	1019.60	1019.58	1019.55	1019.44	1019.39	1019.38	1019.38	1019.45	1019.54	1019.59	1019.51
	5	1019.56	1019.48	1019.37	1019.30	1019.37	1019.47	1019.54	1019.60	1019.68	1019.76	1019.84	1019.95	1019.58
	6	1019.98	1019.93	1019.86	1019.81	1019.88	1020.00	1020.07	1020.12	1020.18	1020.21	1020.25	1020.34	1020.05
	7	1020.45	1020.49	1020.48	1020.49	1020.53	1020.60	1020.61	1020.59	1020.59	1020.59	1020.57	1020.56	1020.54
	8	1020.60	1020.67	1020.75	1020.79	1020.84	1020.91	1020.99	1021.05	1021.03	1021.06	1021.16	1021.21	1020.92
	9	1021.31	1021.45	1021.53	1021.58	1021.61	1021.61	1021.64	1021.68	1021.72	1021.71	1021.69	1021.69	1021.60
	10	1021.65	1021.57	1021.51	1021.47	1021.45	1021.39	1021.31	1021.23	1021.14	1021.07	1021.03	1021.01	1021.32
	11	1020.99	1020.95	1020.90	1020.86	1020.80	1020.71	1020.62	1020.56	1020.51	1020.47	1020.45	1020.44	1020.69
	12	1020.40	1020.35	1020.31	1020.28	1020.25	1020.23	1020.23	1020.23	1020.23	1020.26	1020.30	1020.33	1020.28
	13	1020.34	1020.33	1020.30	1020.27	1020.26	1020.26	1020.28	1020.32	1020.35	1020.38	1020.41	1020.44	1020.33
	14	1020.47	1020.51	1020.53	1020.49	1020.50	1020.55	1020.58	1020.60	1020.64	1020.68	1020.73	1020.80	1020.59
	15	1020.85	1020.88	1020.91	1020.93	1020.94	1020.95	1020.97	1021.01	1021.02	1021.03	1021.06	1021.10	1020.97
	16	1021.14	1021.16	1021.19	1021.24	1021.32	1021.42	1021.48	1021.53	1021.56	1021.55	1021.55	1021.58	1021.39
	17	1021.63	1021.70	1021.75	1021.77	1021.80	1021.84	1021.89	1021.95	1021.99	1022.01	1022.05	1022.10	1021.87
	18	1022.14	1022.16	1022.16	1022.20	1022.24	1022.27	1022.29	1022.32	1022.37	1022.42	1022.46	1022.51	1022.29
	19	1022.56	1022.61	1022.68	1022.68	1022.68	1022.72	1022.76	1022.80	1022.84	1022.88	1022.89	1022.90	1022.75
	20	1022.94	1022.99	1023.04	1023.07	1023.13	1023.19	1023.22	1023.24	1023.29	1023.31	1023.35	1023.40	1023.18
	21	1023.41	1023.42	1023.45	1023.49	1023.52	1023.50	1023.52	1023.59	1023.64	1023.66	1023.71	1023.75	1023.55
	22	1023.80	1023.85	1023.91	1023.99	1024.02	1024.02	1024.00	1024.00	1024.06	1024.12	1024.15	1024.17	1024.01
	23	1024.20	1024.21	1024.21	1024.25	1024.29	1024.29	1024.27	1024.25	1024.23	1024.24	1024.25	1024.27	1024.25

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
21	0	1024.24	1024.24	1024.28	1024.37	1024.42	1024.42	1024.40	1024.42	1024.47	1024.53	1024.59	1024.62	1024.42
	1	1024.64	1024.68	1024.73	1024.77	1024.81	1024.88	1024.93	1024.94	1024.96	1025.01	1025.05	1025.06	1024.87
	2	1025.13	1025.21	1025.26	1025.27	1025.27	1025.28	1025.24	1025.17	1025.12	1025.08	1025.07	1025.07	1025.18
	3	1025.07	1025.07	1025.09	1025.12	1025.16	1025.23	1025.30	1025.33	1025.37	1025.41	1025.43	1025.49	1025.26
	4	1025.56	1025.58	1025.55	1025.57	1025.60	1025.57	1025.58	1025.65	1025.70	1025.76	1025.86	1025.93	1025.66
	5	1025.99	1026.12	1026.30	1026.43	1026.46	1026.44	1026.38	1026.34	1026.32	1026.33	1026.41	1026.50	1026.34
	6	1026.56	1026.62	1026.65	1026.69	1026.75	1026.77	1026.80	1026.83	1026.83	1026.82	1026.82	1026.83	1026.75
	7	1026.86	1026.90	1026.99	1027.07	1027.13	1027.19	1027.27	1027.32	1027.36	1027.41	1027.46	1027.49	1027.20
	8	1027.56	1027.67	1027.76	1027.86	1027.97	1028.06	1028.09	1028.13	1028.16	1028.19	1028.28	1028.36	1028.01
	9	1028.40	1028.44	1028.48	1028.52	1028.55	1028.57	1028.62	1028.65	1028.68	1028.70	1028.66	1028.62	1028.57
	10	1028.63	1028.64	1028.61	1028.55	1028.47	1028.38	1028.33	1028.31	1028.27	1028.21	1028.14	1028.09	1028.38
	11	1028.03	1027.97	1027.92	1027.82	1027.75	1027.74	1027.73	1027.73	1027.74	1027.74	1027.72	1027.65	1027.79
	12	1027.58	1027.54	1027.53	1027.54	1027.55	1027.53	1027.47	1027.40	1027.33	1027.29	1027.28	1027.27	1027.44
	13	1027.25	1027.24	1027.22	1027.20	1027.16	1027.14	1027.14	1027.17	1027.23	1027.26	1027.29	1027.32	1027.22
	14	1027.31	1027.32	1027.34	1027.33	1027.30	1027.30	1027.31	1027.30	1027.27	1027.21	1027.19	1027.23	1027.28
	15	1027.24	1027.26	1027.32	1027.38	1027.40	1027.42	1027.43	1027.42	1027.42	1027.44	1027.46	1027.43	1027.38
	16	1027.38	1027.34	1027.34	1027.40	1027.45	1027.46	1027.46	1027.44	1027.42	1027.42	1027.46	1027.50	1027.42
	17	1027.51	1027.53	1027.59	1027.63	1027.66	1027.70	1027.69	1027.59	1027.50	1027.48	1027.47	1027.48	1027.57
	18	1027.47	1027.44	1027.47	1027.53	1027.56	1027.59	1027.61	1027.66	1027.69	1027.70	1027.66	1027.58	1027.58
	19	1027.55	1027.57	1027.57	1027.54	1027.51	1027.50	1027.48	1027.45	1027.43	1027.40	1027.35	1027.28	1027.47
	20	1027.26	1027.25	1027.23	1027.24	1027.31	1027.36	1027.37	1027.35	1027.34	1027.31	1027.27	1027.25	1027.29
	21	1027.23	1027.21	1027.20	1027.21	1027.21	1027.21	1027.20	1027.19	1027.20	1027.18	1027.13	1027.11	1027.19
	22	1027.16	1027.23	1027.31	1027.38	1027.40	1027.40	1027.35	1027.31	1027.30	1027.28	1027.22	1027.16	1027.29
	23	1027.18	1027.18	1027.14	1027.16	1027.22	1027.23	1027.18	1027.11	1027.02	1026.97	1026.93	1026.87	1027.10
22	0	1026.84	1026.83	1026.82	1026.80	1026.75	1026.73	1026.66	1026.55	1026.55	1026.61	1026.66	1026.69	1026.70
	1	1026.67	1026.60	1026.52	1026.45	1026.39	1026.37	1026.40	1026.38	1026.34	1026.33	1026.35	1026.37	1026.43
	2	1026.29	1026.21	1026.17	1026.12	1026.09	1026.10	1026.14	1026.17	1026.16	1026.12	1026.05	1026.02	1026.14
	3	1026.04	1026.06	1026.02	1025.99	1025.96	1025.89	1025.80	1025.69	1025.60	1025.61	1025.61	1025.57	1025.82
	4	1025.53	1025.49	1025.47	1025.46	1025.42	1025.40	1025.44	1025.46	1025.38	1025.30	1025.30	1025.35	1025.42
	5	1025.39	1025.39	1025.32	1025.23	1025.22	1025.23	1025.22	1025.23	1025.27	1025.26	1025.24	1025.26	1025.27
	6	1025.31	1025.38	1025.42	1025.35	1025.28	1025.28	1025.29	1025.28	1025.28	1025.27	1025.28	1025.34	1025.31
	7	1025.37	1025.33	1025.31	1025.29	1025.29	1025.30	1025.33	1025.39	1025.46	1025.50	1025.50	1025.53	1025.38
	8	1025.56	1025.59	1025.60	1025.63	1025.66	1025.65	1025.61	1025.57	1025.55	1025.53	1025.54	1025.55	1025.59
	9	1025.59	1025.67	1025.69	1025.65	1025.62	1025.57	1025.52	1025.47	1025.42	1025.33	1025.26	1025.21	1025.50
	10	1025.16	1025.11	1025.09	1025.09	1025.06	1025.01	1024.96	1024.90	1024.85	1024.79	1024.75	1024.71	1024.96
	11	1024.68	1024.73	1024.74	1024.66	1024.57	1024.53	1024.47	1024.40	1024.32	1024.27	1024.27	1024.29	1024.49
	12	1024.27	1024.25	1024.26	1024.28	1024.27	1024.24	1024.20	1024.17	1024.15	1024.11	1024.07	1024.00	1024.19
	13	1023.93	1023.89	1023.85	1023.87	1023.88	1023.83	1023.78	1023.74	1023.70	1023.73	1023.79	1023.82	1023.82
	14	1023.79	1023.74	1023.71	1023.70	1023.68	1023.67	1023.68	1023.67	1023.62	1023.59	1023.59	1023.54	1023.66
	15	1023.50	1023.51	1023.52	1023.54	1023.57	1023.57	1023.57	1023.56	1023.54	1023.52	1023.50	1023.51	1023.53
	16	1023.51	1023.48	1023.50	1023.54	1023.55	1023.57	1023.61	1023.65	1023.68	1023.70	1023.70	1023.72	1023.60
	17	1023.73	1023.71	1023.70	1023.70	1023.66	1023.59	1023.56	1023.56	1023.58	1023.58	1023.58	1023.61	1023.63
	18	1023.62	1023.60	1023.58	1023.55	1023.50	1023.43	1023.39	1023.35	1023.28	1023.22	1023.21	1023.24	1023.41
	19	1023.26	1023.30	1023.37	1023.42	1023.44	1023.46	1023.47	1023.49	1023.51	1023.49	1023.45	1023.38	1023.42
	20	1023.33	1023.35	1023.39	1023.41	1023.41	1023.44	1023.46	1023.46	1023.48	1023.53	1023.55	1023.53	1023.45
	21	1023.52	1023.56	1023.59	1023.59	1023.59	1023.60	1023.59	1023.61	1023.63	1023.61	1023.59	1023.54	1023.58
	22	1023.46	1023.36	1023.30	1023.29	1023.28	1023.30	1023.29	1023.26	1023.22	1023.18	1023.16	1023.14	1023.27
	23	1023.12	1023.12	1023.14	1023.16	1023.18	1023.22	1023.28	1023.34	1023.38	1023.38	1023.37	1023.37	1023.25

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
23	0	1023.32	1023.31	1023.30	1023.32	1023.29	1023.25	1023.26	1023.24	1023.21	1023.20	1023.22	1023.28	1023.26
	1	1023.32	1023.31	1023.31	1023.33	1023.37	1023.38	1023.36	1023.28	1023.16	1023.15	1023.16	1023.13	1023.27
	2	1023.13	1023.12	1023.10	1023.12	1023.12	1023.12	1023.12	1023.11	1023.14	1023.16	1023.16	1023.16	1023.13
	3	1023.14	1023.11	1023.08	1023.06	1023.07	1023.10	1023.13	1023.11	1023.08	1023.08	1023.09	1023.11	1023.10
	4	1023.12	1023.17	1023.21	1023.22	1023.22	1023.26	1023.28	1023.25	1023.23	1023.21	1023.20	1023.21	1023.22
	5	1023.24	1023.32	1023.39	1023.39	1023.35	1023.33	1023.32	1023.32	1023.29	1023.29	1023.35	1023.41	1023.33
	6	1023.41	1023.38	1023.35	1023.33	1023.33	1023.37	1023.42	1023.47	1023.51	1023.58	1023.70	1023.83	1023.47
	7	1023.94	1024.00	1024.02	1024.00	1024.02	1024.07	1024.13	1024.19	1024.24	1024.31	1024.39	1024.53	1024.15
	8	1024.62	1024.56	1024.49	1024.48	1024.50	1024.49	1024.47	1024.51	1024.55	1024.57	1024.65	1024.76	1024.55
	9	1024.81	1024.82	1024.83	1024.86	1024.90	1024.91	1024.90	1024.88	1024.86	1024.76	1024.66	1024.66	1024.82
	10	1024.67	1024.62	1024.58	1024.61	1024.61	1024.49	1024.33	1024.33	1024.39	1024.36	1024.30	1024.26	1024.46
	11	1024.20	1024.12	1024.02	1023.93	1023.89	1023.90	1023.94	1023.94	1023.87	1023.81	1023.75	1023.65	1023.92
	12	1023.57	1023.51	1023.45	1023.42	1023.40	1023.33	1023.25	1023.19	1023.13	1023.08	1023.03	1023.01	1023.28
	13	1023.02	1023.04	1023.06	1023.05	1023.07	1023.11	1023.13	1023.16	1023.16	1023.17	1023.18	1023.17	1023.11
	14	1023.12	1023.06	1023.04	1023.02	1023.00	1022.98	1022.98	1022.96	1022.92	1022.96	1023.00	1023.02	1023.01
	15	1023.07	1023.10	1023.13	1023.12	1023.06	1022.98	1022.91	1022.88	1022.89	1022.92	1022.97	1023.04	1023.01
	16	1023.09	1023.11	1023.11	1023.12	1023.11	1023.12	1023.14	1023.15	1023.18	1023.19	1023.15	1023.08	1023.13
	17	1023.07	1023.12	1023.14	1023.13	1023.09	1023.08	1023.07	1023.04	1023.02	1023.07	1023.15	1023.15	1023.09
	18	1023.09	1022.98	1022.88	1022.83	1022.81	1022.78	1022.74	1022.75	1022.76	1022.73	1022.68	1022.66	1022.81
	19	1022.69	1022.71	1022.70	1022.69	1022.66	1022.59	1022.55	1022.57	1022.58	1022.58	1022.60	1022.64	1022.63
	20	1022.68	1022.68	1022.62	1022.52	1022.45	1022.45	1022.43	1022.40	1022.43	1022.43	1022.40	1022.41	1022.49
	21	1022.45	1022.49	1022.49	1022.44	1022.40	1022.42	1022.44	1022.43	1022.44	1022.44	1022.39	1022.29	1022.43
	22	1022.21	1022.20	1022.22	1022.20	1022.18	1022.15	1022.04	1021.96	1021.97	1021.95	1021.92	1021.95	1022.08
	23	1022.01	1022.07	1022.06	1022.02	1021.99	1021.92	1021.84	1021.82	1021.81	1021.74	1021.66	1021.64	1021.88
24	0	1021.67	1021.68	1021.72	1021.72	1021.67	1021.65	1021.60	1021.53	1021.50	1021.46	1021.44	1021.48	1021.59
	1	1021.57	1021.66	1021.67	1021.64	1021.59	1021.54	1021.54	1021.58	1021.58	1021.53	1021.48	1021.51	1021.57
	2	1021.55	1021.49	1021.38	1021.29	1021.25	1021.26	1021.27	1021.26	1021.19	1021.08	1020.95	1020.84	1021.23
	3	1020.72	1020.58	1020.48	1020.40	1020.30	1020.25	1020.20	1020.13	1020.12	1020.15	1020.13	1020.11	1020.30
	4	1020.13	1020.09	1020.06	1020.07	1020.03	1019.95	1019.90	1019.88	1019.86	1019.85	1019.79	1019.68	1019.94
	5	1019.58	1019.56	1019.57	1019.50	1019.40	1019.35	1019.32	1019.25	1019.24	1019.27	1019.29	1019.33	1019.39
	6	1019.35	1019.36	1019.37	1019.35	1019.35	1019.34	1019.29	1019.29	1019.30	1019.23	1019.17	1019.17	1019.30
	7	1019.18	1019.25	1019.26	1019.17	1019.09	1019.04	1018.96	1018.88	1018.84	1018.84	1018.81	1018.76	1019.01
	8	1018.69	1018.63	1018.62	1018.57	1018.61	1018.68	1018.65	1018.60	1018.55	1018.50	1018.48	1018.51	1018.59
	9	1018.55	1018.57	1018.59	1018.59	1018.57	1018.50	1018.43	1018.34	1018.20	1018.06	1017.96	1017.85	1018.35
	10	1017.75	1017.69	1017.70	1017.69	1017.65	1017.62	1017.60	1017.55	1017.44	1017.35	1017.22	1017.06	1017.53
	11	1016.92	1016.77	1016.67	1016.61	1016.57	1016.52	1016.37	1016.21	1016.15	1016.15	1016.14	1016.07	1016.43
	12	1016.03	1016.00	1015.96	1015.92	1015.82	1015.73	1015.69	1015.57	1015.43	1015.38	1015.31	1015.23	1015.67
	13	1015.20	1015.14	1015.11	1015.12	1015.07	1015.02	1014.99	1014.96	1014.94	1014.99	1015.03	1015.07	1015.05
	14	1015.13	1015.18	1015.19	1015.19	1015.27	1015.38	1015.39	1015.35	1015.37	1015.36	1015.31	1015.26	1015.28
	15	1015.25	1015.24	1015.23	1015.30	1015.31	1015.25	1015.20	1015.20	1015.26	1015.32	1015.34	1015.32	1015.27
	16	1015.28	1015.25	1015.23	1015.23	1015.20	1015.12	1015.06	1015.05	1014.94	1014.84	1014.87	1014.89	1015.08
	17	1014.87	1014.94	1014.98	1014.94	1014.98	1015.00	1014.97	1014.94	1014.92	1014.99	1015.09	1015.09	1014.98
	18	1015.07	1015.10	1015.12	1015.16	1015.29	1015.42	1015.51	1015.58	1015.73	1015.92	1016.06	1016.12	1015.51
	19	1016.16	1016.18	1016.25	1016.39	1016.48	1016.57	1016.75	1016.90	1016.94	1016.95	1016.95	1017.05	1016.63
	20	1017.26	1017.39	1017.43	1017.40	1017.34	1017.27	1017.22	1017.27	1017.32	1017.38	1017.49	1017.63	1017.37
	21	1017.70	1017.73	1017.77	1017.81	1017.93	1018.05	1018.13	1018.19	1018.23	1018.27	1018.33	1018.40	1018.04
	22	1018.44	1018.48	1018.55	1018.63	1018.73	1018.80	1018.81	1018.79	1018.79	1018.81	1018.82	1018.83	1018.70
	23	1018.90	1018.93	1018.88	1018.90	1018.93	1018.91	1018.90	1018.92	1018.94	1019.00	1019.05	1019.06	1018.94

S.V.I.R.CO. Observatory - Pressure in hectoPascal – December 2018

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average	
25	0	1019.05	1019.07	1019.13	1019.20	1019.28	1019.37	1019.47	1019.53	1019.59	1019.64	1019.67	1019.73	1019.41	
	1	1019.78	1019.83	1019.87	1019.89	1019.94	1019.98	1020.01	1020.03	1020.05	1020.08	1020.06	1020.05	1019.96	
	2	1020.10	1020.19	1020.24	1020.28	1020.30	1020.31	1020.32	1020.34	1020.35	1020.34	1020.34	1020.34	1020.36	1020.29
	3	1020.39	1020.41	1020.45	1020.48	1020.48	1020.48	1020.50	1020.58	1020.63	1020.66	1020.70	1020.78	1020.78	1020.54
	4	1020.85	1020.89	1020.86	1020.79	1020.76	1020.77	1020.80	1020.82	1020.82	1020.82	1020.78	1020.76	1020.82	1020.81
	5	1020.92	1021.03	1021.16	1021.31	1021.42	1021.50	1021.59	1021.64	1021.67	1021.77	1021.93	1022.06	1022.06	1021.50
	6	1022.13	1022.14	1022.09	1022.09	1022.13	1022.19	1022.27	1022.37	1022.42	1022.44	1022.47	1022.49	1022.49	1022.27
	7	1022.56	1022.67	1022.79	1022.93	1023.09	1023.24	1023.34	1023.46	1023.60	1023.70	1023.82	1023.96	1023.96	1023.26
	8	1024.06	1024.12	1024.14	1024.13	1024.14	1024.18	1024.23	1024.24	1024.29	1024.35	1024.34	1024.33	1024.33	1024.21
	9	1024.36	1024.38	1024.38	1024.39	1024.43	1024.51	1024.56	1024.55	1024.55	1024.59	1024.59	1024.59	1024.57	1024.49
	10	1024.56	1024.51	1024.45	1024.42	1024.42	1024.42	1024.35	1024.23	1024.14	1024.10	1024.08	1024.03	1024.03	1024.31
	11	1023.98	1023.92	1023.82	1023.72	1023.64	1023.62	1023.62	1023.62	1023.62	1023.62	1023.63	1023.62	1023.60	1023.70
	12	1023.56	1023.57	1023.61	1023.62	1023.58	1023.52	1023.46	1023.42	1023.35	1023.33	1023.39	1023.47	1023.47	1023.49
	13	1023.53	1023.59	1023.65	1023.71	1023.74	1023.76	1023.76	1023.76	1023.76	1023.76	1023.80	1023.86	1023.92	1023.74
	14	1023.96	1024.01	1024.08	1024.14	1024.19	1024.26	1024.36	1024.52	1024.62	1024.66	1024.70	1024.74	1024.74	1024.35
	15	1024.76	1024.77	1024.81	1024.84	1024.80	1024.73	1024.68	1024.70	1024.80	1024.94	1025.09	1025.21	1025.21	1024.84
	16	1025.29	1025.31	1025.32	1025.37	1025.44	1025.53	1025.60	1025.64	1025.69	1025.79	1025.84	1025.86	1025.86	1025.56
	17	1025.90	1025.92	1025.99	1026.10	1026.21	1026.30	1026.34	1026.33	1026.35	1026.42	1026.54	1026.61	1026.61	1026.25
	18	1026.63	1026.63	1026.62	1026.65	1026.72	1026.80	1026.87	1026.87	1026.86	1026.86	1026.85	1026.88	1026.88	1026.77
	19	1026.98	1027.05	1027.10	1027.17	1027.20	1027.22	1027.32	1027.44	1027.49	1027.49	1027.54	1027.68	1027.68	1027.31
	20	1027.83	1027.89	1027.90	1027.92	1027.91	1027.89	1027.90	1027.90	1027.89	1027.91	1027.95	1027.96	1027.96	1027.91
	21	1027.98	1027.98	1027.95	1027.93	1027.95	1028.00	1028.06	1028.13	1028.17	1028.18	1028.16	1028.14	1028.14	1028.05
	22	1028.14	1028.17	1028.19	1028.24	1028.32	1028.42	1028.49	1028.52	1028.53	1028.55	1028.61	1028.69	1028.69	1028.41
23	1028.75	1028.77	1028.78	1028.80	1028.86	1028.93	1028.95	1028.94	1028.97	1029.02	1029.06	1029.10	1029.10	1028.91	
26	0	1029.08	1029.06	1029.08	1029.15	1029.20	1029.20	1029.20	1029.25	1029.34	1029.41	1029.40	1029.38	1029.24	
	1	1029.36	1029.30	1029.28	1029.30	1029.32	1029.37	1029.43	1029.46	1029.48	1029.51	1029.52	1029.52	1029.40	
	2	1029.54	1029.53	1029.54	1029.58	1029.60	1029.56	1029.52	1029.48	1029.44	1029.42	1029.44	1029.41	1029.50	
	3	1029.34	1029.33	1029.36	1029.39	1029.38	1029.36	1029.37	1029.37	1029.38	1029.40	1029.46	1029.50	1029.39	
	4	1029.52	1029.56	1029.61	1029.62	1029.56	1029.49	1029.52	1029.61	1029.66	1029.69	1029.74	1029.76	1029.76	1029.61
	5	1029.79	1029.86	1029.93	1029.98	1030.01	1030.05	1030.07	1030.05	1030.04	1030.05	1030.09	1030.13	1030.13	1030.00
	6	1030.16	1030.18	1030.19	1030.21	1030.23	1030.24	1030.25	1030.30	1030.35	1030.32	1030.30	1030.30	1030.30	1030.25
	7	1030.28	1030.24	1030.18	1030.11	1030.07	1030.11	1030.16	1030.22	1030.28	1030.32	1030.34	1030.35	1030.35	1030.22
	8	1030.38	1030.39	1030.38	1030.38	1030.40	1030.41	1030.38	1030.29	1030.17	1030.14	1030.13	1030.08	1030.08	1030.29
	9	1030.05	1030.07	1030.12	1030.16	1030.15	1030.18	1030.24	1030.31	1030.40	1030.47	1030.48	1030.46	1030.46	1030.26
	10	1030.47	1030.50	1030.50	1030.49	1030.49	1030.45	1030.41	1030.37	1030.34	1030.31	1030.24	1030.15	1030.15	1030.39
	11	1030.09	1030.08	1030.01	1029.92	1029.82	1029.72	1029.62	1029.51	1029.43	1029.38	1029.33	1029.32	1029.32	1029.69
	12	1029.30	1029.25	1029.20	1029.17	1029.14	1029.10	1029.08	1029.06	1029.04	1029.03	1029.03	1029.03	1029.03	1029.12
	13	1029.06	1029.08	1029.08	1029.09	1029.06	1029.03	1028.99	1028.92	1028.86	1028.82	1028.77	1028.72	1028.72	1028.96
	14	1028.68	1028.64	1028.63	1028.61	1028.56	1028.51	1028.49	1028.50	1028.49	1028.45	1028.39	1028.37	1028.37	1028.53
	15	1028.36	1028.33	1028.31	1028.30	1028.29	1028.25	1028.21	1028.19	1028.18	1028.19	1028.21	1028.19	1028.19	1028.25
	16	1028.18	1028.19	1028.20	1028.22	1028.25	1028.30	1028.31	1028.32	1028.38	1028.42	1028.39	1028.34	1028.34	1028.29
	17	1028.32	1028.34	1028.31	1028.23	1028.17	1028.16	1028.20	1028.26	1028.29	1028.32	1028.33	1028.31	1028.31	1028.27
	18	1028.31	1028.27	1028.24	1028.23	1028.24	1028.28	1028.31	1028.32	1028.34	1028.38	1028.37	1028.38	1028.38	1028.30
	19	1028.41	1028.40	1028.37	1028.31	1028.24	1028.16	1028.13	1028.13	1028.13	1028.13	1028.14	1028.15	1028.15	1028.22
	20	1028.16	1028.17	1028.19	1028.21	1028.22	1028.24	1028.24	1028.24	1028.21	1028.13	1028.12	1028.17	1028.21	1028.19
	21	1028.27	1028.31	1028.31	1028.29	1028.24	1028.18	1028.15	1028.13	1028.10	1028.07	1028.05	1028.03	1028.03	1028.18
	22	1028.03	1028.02	1028.01	1027.99	1027.94	1027.89	1027.87	1027.88	1027.87	1027.83	1027.79	1027.79	1027.79	1027.91
23	1027.77	1027.70	1027.66	1027.65	1027.61	1027.57	1027.55	1027.54	1027.54	1027.54	1027.55	1027.55	1027.55	1027.60	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
27	0	1027.56	1027.55	1027.57	1027.58	1027.59	1027.62	1027.67	1027.69	1027.70	1027.70	1027.72	1027.75	1027.65
	1	1027.76	1027.79	1027.79	1027.78	1027.75	1027.70	1027.67	1027.65	1027.62	1027.58	1027.55	1027.54	1027.68
	2	1027.51	1027.47	1027.43	1027.40	1027.35	1027.31	1027.28	1027.25	1027.22	1027.19	1027.14	1027.10	1027.30
	3	1027.05	1027.04	1027.04	1027.03	1027.02	1027.00	1026.95	1026.90	1026.86	1026.84	1026.82	1026.77	1026.94
	4	1026.75	1026.75	1026.77	1026.78	1026.79	1026.81	1026.81	1026.85	1026.90	1026.93	1026.98	1027.02	1026.84
	5	1027.04	1027.05	1027.07	1027.10	1027.15	1027.21	1027.23	1027.25	1027.27	1027.30	1027.31	1027.31	1027.19
	6	1027.33	1027.35	1027.37	1027.39	1027.40	1027.43	1027.46	1027.49	1027.53	1027.59	1027.63	1027.66	1027.47
	7	1027.67	1027.66	1027.65	1027.65	1027.66	1027.66	1027.65	1027.64	1027.64	1027.64	1027.66	1027.69	1027.66
	8	1027.72	1027.73	1027.73	1027.73	1027.73	1027.74	1027.74	1027.74	1027.74	1027.76	1027.79	1027.82	1027.75
	9	1027.81	1027.79	1027.75	1027.70	1027.67	1027.66	1027.63	1027.60	1027.57	1027.53	1027.46	1027.39	1027.63
	10	1027.31	1027.22	1027.15	1027.10	1027.02	1026.93	1026.83	1026.73	1026.65	1026.59	1026.49	1026.39	1026.87
	11	1026.30	1026.23	1026.17	1026.11	1026.05	1026.00	1025.94	1025.89	1025.83	1025.77	1025.71	1025.65	1025.97
	12	1025.57	1025.50	1025.44	1025.39	1025.37	1025.33	1025.29	1025.26	1025.25	1025.25	1025.26	1025.26	1025.35
	13	1025.26	1025.25	1025.24	1025.25	1025.25	1025.24	1025.23	1025.22	1025.21	1025.20	1025.19	1025.19	1025.23
	14	1025.19	1025.18	1025.15	1025.12	1025.09	1025.06	1025.02	1024.99	1024.98	1024.97	1024.96	1024.94	1025.05
	15	1024.94	1024.94	1024.93	1024.91	1024.89	1024.88	1024.87	1024.86	1024.85	1024.86	1024.86	1024.86	1024.89
	16	1024.87	1024.88	1024.91	1024.93	1024.94	1024.95	1024.97	1024.99	1025.00	1025.02	1025.04	1025.08	1024.96
	17	1025.14	1025.19	1025.23	1025.25	1025.27	1025.27	1025.27	1025.28	1025.28	1025.28	1025.30	1025.29	1025.25
	18	1025.26	1025.25	1025.25	1025.25	1025.25	1025.25	1025.25	1025.28	1025.29	1025.31	1025.32	1025.33	1025.27
	19	1025.34	1025.35	1025.35	1025.36	1025.38	1025.38	1025.37	1025.35	1025.34	1025.32	1025.31	1025.31	1025.34
	20	1025.32	1025.33	1025.33	1025.36	1025.41	1025.45	1025.48	1025.48	1025.50	1025.54	1025.59	1025.63	1025.45
	21	1025.65	1025.66	1025.66	1025.67	1025.66	1025.64	1025.62	1025.60	1025.60	1025.59	1025.58	1025.57	1025.62
	22	1025.56	1025.54	1025.52	1025.49	1025.44	1025.39	1025.35	1025.32	1025.29	1025.27	1025.26	1025.24	1025.39
	23	1025.22	1025.20	1025.19	1025.18	1025.18	1025.17	1025.16	1025.16	1025.17	1025.16	1025.16	1025.18	1025.18
28	0	1025.18	1025.18	1025.18	1025.16	1025.16	1025.18	1025.20	1025.23	1025.26	1025.27	1025.29	1025.31	1025.22
	1	1025.36	1025.41	1025.43	1025.45	1025.46	1025.45	1025.43	1025.42	1025.41	1025.40	1025.39	1025.38	1025.42
	2	1025.37	1025.37	1025.35	1025.32	1025.31	1025.28	1025.22	1025.15	1025.09	1025.02	1024.97	1024.93	1025.20
	3	1024.90	1024.86	1024.82	1024.79	1024.78	1024.74	1024.68	1024.64	1024.59	1024.53	1024.52	1024.53	1024.70
	4	1024.54	1024.55	1024.58	1024.60	1024.61	1024.59	1024.58	1024.59	1024.61	1024.65	1024.71	1024.74	1024.61
	5	1024.77	1024.78	1024.80	1024.84	1024.88	1024.91	1024.93	1024.95	1024.97	1024.97	1024.96	1024.98	1024.89
	6	1025.00	1025.02	1025.05	1025.06	1025.06	1025.08	1025.10	1025.14	1025.18	1025.21	1025.25	1025.29	1025.12
	7	1025.33	1025.41	1025.47	1025.53	1025.58	1025.61	1025.64	1025.65	1025.66	1025.66	1025.67	1025.68	1025.57
	8	1025.68	1025.66	1025.66	1025.66	1025.66	1025.69	1025.72	1025.74	1025.74	1025.74	1025.74	1025.73	1025.70
	9	1025.72	1025.72	1025.73	1025.73	1025.70	1025.68	1025.65	1025.61	1025.57	1025.55	1025.53	1025.50	1025.64
	10	1025.45	1025.41	1025.36	1025.30	1025.24	1025.17	1025.10	1025.05	1025.00	1024.93	1024.84	1024.76	1025.13
	11	1024.69	1024.61	1024.54	1024.46	1024.39	1024.33	1024.25	1024.18	1024.10	1024.02	1023.99	1023.97	1024.29
	12	1023.94	1023.90	1023.86	1023.82	1023.79	1023.76	1023.74	1023.72	1023.72	1023.73	1023.74	1023.75	1023.79
	13	1023.76	1023.77	1023.80	1023.83	1023.86	1023.88	1023.89	1023.89	1023.88	1023.88	1023.88	1023.90	1023.85
	14	1023.94	1023.97	1024.00	1024.02	1024.04	1024.04	1024.04	1024.05	1024.08	1024.10	1024.12	1024.15	1024.04
	15	1024.18	1024.20	1024.22	1024.21	1024.21	1024.24	1024.24	1024.24	1024.24	1024.26	1024.29	1024.31	1024.24
	16	1024.33	1024.35	1024.36	1024.36	1024.37	1024.37	1024.36	1024.37	1024.39	1024.42	1024.46	1024.49	1024.39
	17	1024.52	1024.56	1024.60	1024.64	1024.69	1024.72	1024.74	1024.76	1024.79	1024.81	1024.82	1024.83	1024.71
	18	1024.83	1024.84	1024.86	1024.87	1024.87	1024.88	1024.91	1024.92	1024.92	1024.93	1024.93	1024.93	1024.89
	19	1024.94	1024.95	1024.94	1024.94	1024.93	1024.92	1024.93	1024.94	1024.95	1024.93	1024.91	1024.90	1024.93
	20	1024.91	1024.92	1024.92	1024.91	1024.91	1024.93	1024.98	1025.01	1025.01	1025.01	1025.00	1024.99	1024.96
	21	1025.01	1025.05	1025.07	1025.11	1025.14	1025.15	1025.18	1025.19	1025.17	1025.16	1025.14	1025.13	1025.13
	22	1025.10	1025.08	1025.07	1025.07	1025.06	1025.05	1025.05	1025.05	1025.04	1025.02	1024.98	1024.94	1025.04
	23	1024.92	1024.91	1024.90	1024.88	1024.84	1024.79	1024.75	1024.73	1024.72	1024.71	1024.73	1024.76	1024.80

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1024.79	1024.78	1024.77	1024.76	1024.77	1024.82	1024.87	1024.89	1024.89	1024.91	1024.96	1025.01	1024.85
	1	1025.06	1025.12	1025.18	1025.21	1025.24	1025.26	1025.26	1025.24	1025.22	1025.20	1025.17	1025.15	1025.19
	2	1025.12	1025.08	1025.04	1024.99	1024.95	1024.91	1024.87	1024.83	1024.80	1024.75	1024.69	1024.63	1024.89
	3	1024.58	1024.53	1024.50	1024.48	1024.46	1024.45	1024.44	1024.43	1024.41	1024.41	1024.41	1024.43	1024.46
	4	1024.46	1024.50	1024.52	1024.53	1024.53	1024.55	1024.58	1024.61	1024.65	1024.69	1024.73	1024.78	1024.59
	5	1024.84	1024.90	1024.97	1025.01	1025.02	1025.04	1025.04	1025.06	1025.10	1025.13	1025.14	1025.18	1025.03
	6	1025.23	1025.27	1025.29	1025.35	1025.43	1025.49	1025.52	1025.56	1025.59	1025.60	1025.60	1025.62	1025.46
	7	1025.66	1025.71	1025.74	1025.75	1025.74	1025.74	1025.74	1025.74	1025.74	1025.74	1025.77	1025.83	1025.74
	8	1025.86	1025.87	1025.88	1025.88	1025.90	1025.93	1025.98	1026.02	1026.04	1026.02	1026.02	1026.05	1025.95
	9	1026.06	1026.05	1026.05	1026.09	1026.11	1026.10	1026.09	1026.08	1026.07	1026.06	1026.01	1025.95	1026.06
	10	1025.90	1025.84	1025.79	1025.76	1025.71	1025.66	1025.62	1025.55	1025.50	1025.47	1025.41	1025.33	1025.63
	11	1025.25	1025.16	1025.08	1025.02	1024.97	1024.93	1024.87	1024.81	1024.77	1024.73	1024.68	1024.60	1024.91
	12	1024.52	1024.45	1024.39	1024.36	1024.34	1024.32	1024.31	1024.35	1024.39	1024.39	1024.37	1024.36	1024.38
	13	1024.37	1024.36	1024.37	1024.41	1024.46	1024.49	1024.49	1024.50	1024.49	1024.47	1024.48	1024.52	1024.45
	14	1024.54	1024.55	1024.57	1024.56	1024.56	1024.56	1024.56	1024.57	1024.55	1024.53	1024.51	1024.52	1024.55
	15	1024.53	1024.54	1024.55	1024.56	1024.60	1024.65	1024.69	1024.71	1024.74	1024.78	1024.81	1024.80	1024.66
	16	1024.79	1024.84	1024.94	1025.01	1025.03	1025.04	1025.06	1025.10	1025.13	1025.15	1025.15	1025.16	1025.03
	17	1025.14	1025.12	1025.10	1025.07	1025.04	1025.00	1025.00	1025.00	1024.98	1024.91	1024.83	1024.81	1025.00
	18	1024.83	1024.85	1024.90	1024.97	1025.02	1025.06	1025.08	1025.11	1025.15	1025.21	1025.27	1025.35	1025.07
	19	1025.42	1025.41	1025.39	1025.45	1025.50	1025.48	1025.45	1025.44	1025.41	1025.38	1025.40	1025.47	1025.43
	20	1025.49	1025.45	1025.42	1025.42	1025.42	1025.41	1025.39	1025.38	1025.35	1025.31	1025.28	1025.29	1025.38
	21	1025.36	1025.39	1025.37	1025.37	1025.37	1025.40	1025.43	1025.44	1025.46	1025.47	1025.48	1025.50	1025.42
	22	1025.53	1025.57	1025.61	1025.64	1025.66	1025.64	1025.62	1025.61	1025.62	1025.66	1025.67	1025.69	1025.63
	23	1025.73	1025.73	1025.72	1025.73	1025.75	1025.73	1025.68	1025.64	1025.62	1025.60	1025.56	1025.47	1025.66
30	0	1025.41	1025.41	1025.39	1025.35	1025.33	1025.33	1025.31	1025.26	1025.26	1025.30	1025.35	1025.37	1025.34
	1	1025.33	1025.29	1025.29	1025.25	1025.15	1025.07	1025.05	1025.03	1024.99	1024.91	1024.81	1024.74	1025.08
	2	1024.76	1024.79	1024.76	1024.71	1024.67	1024.62	1024.60	1024.55	1024.52	1024.44	1024.30	1024.20	1024.57
	3	1024.23	1024.34	1024.38	1024.34	1024.31	1024.23	1024.11	1024.02	1023.89	1023.86	1023.89	1023.81	1024.12
	4	1023.68	1023.55	1023.40	1023.29	1023.20	1023.08	1023.02	1023.06	1023.04	1022.97	1023.05	1023.18	1023.21
	5	1023.27	1023.36	1023.26	1023.20	1023.30	1023.30	1023.27	1023.22	1023.16	1023.16	1023.18	1023.14	1023.23
	6	1023.13	1023.17	1023.18	1023.14	1023.10	1023.05	1023.05	1023.00	1022.91	1022.94	1023.03	1023.08	1023.06
	7	1023.02	1022.86	1022.83	1022.89	1022.89	1022.93	1023.05	1023.16	1023.26	1023.41	1023.49	1023.52	1023.11
	8	1023.58	1023.61	1023.65	1023.69	1023.72	1023.74	1023.75	1023.77	1023.82	1023.87	1023.90	1023.90	1023.75
	9	1023.92	1023.92	1023.89	1023.85	1023.80	1023.75	1023.67	1023.57	1023.53	1023.51	1023.47	1023.36	1023.69
	10	1023.24	1023.15	1023.08	1023.02	1022.98	1022.88	1022.75	1022.62	1022.47	1022.33	1022.25	1022.16	1022.74
	11	1022.07	1021.98	1021.84	1021.72	1021.68	1021.67	1021.64	1021.57	1021.46	1021.32	1021.17	1021.07	1021.60
	12	1021.00	1020.95	1020.92	1020.88	1020.83	1020.76	1020.72	1020.70	1020.70	1020.69	1020.69	1020.69	1020.79
	13	1020.67	1020.66	1020.67	1020.68	1020.68	1020.68	1020.67	1020.66	1020.63	1020.60	1020.55	1020.50	1020.64
	14	1020.47	1020.44	1020.41	1020.40	1020.40	1020.42	1020.43	1020.41	1020.41	1020.42	1020.40	1020.38	1020.42
	15	1020.37	1020.36	1020.37	1020.37	1020.36	1020.38	1020.44	1020.49	1020.53	1020.57	1020.61	1020.63	1020.45
	16	1020.67	1020.71	1020.75	1020.76	1020.80	1020.85	1020.88	1020.92	1020.99	1021.01	1021.02	1021.05	1020.87
	17	1021.10	1021.16	1021.24	1021.29	1021.33	1021.36	1021.42	1021.49	1021.51	1021.52	1021.54	1021.60	1021.38
	18	1021.67	1021.73	1021.82	1021.93	1021.98	1022.00	1022.03	1022.04	1022.05	1022.03	1022.01	1022.03	1021.94
	19	1022.06	1022.10	1022.13	1022.14	1022.12	1022.12	1022.12	1022.15	1022.19	1022.22	1022.24	1022.24	1022.15
	20	1022.22	1022.25	1022.33	1022.41	1022.44	1022.50	1022.52	1022.50	1022.52	1022.51	1022.45	1022.42	1022.42
	21	1022.45	1022.53	1022.62	1022.66	1022.69	1022.72	1022.73	1022.77	1022.76	1022.80	1022.92	1022.92	1022.71
	22	1022.85	1022.85	1022.87	1022.87	1022.91	1022.98	1023.08	1023.16	1023.15	1023.13	1023.14	1023.09	1023.01
	23	1023.05	1023.03	1022.98	1022.96	1022.99	1023.02	1023.08	1023.15	1023.16	1023.18	1023.23	1023.30	1023.09

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
31	0	1023.29	1023.20	1023.07	1023.05	1023.09	1023.16	1023.20	1023.20	1023.19	1023.18	1023.16	1023.17	1023.16
	1	1023.25	1023.30	1023.26	1023.26	1023.28	1023.25	1023.23	1023.25	1023.25	1023.25	1023.28	1023.32	1023.27
	2	1023.38	1023.46	1023.48	1023.41	1023.25	1023.12	1023.09	1023.09	1023.07	1023.07	1023.13	1023.12	1023.22
	3	1023.07	1023.08	1023.11	1023.10	1023.12	1023.17	1023.16	1023.11	1023.05	1023.00	1022.99	1022.99	1023.08
	4	1023.01	1023.00	1022.95	1022.96	1023.02	1023.12	1023.25	1023.36	1023.42	1023.45	1023.46	1023.47	1023.21
	5	1023.51	1023.59	1023.67	1023.74	1023.83	1023.90	1023.97	1024.03	1024.06	1024.10	1024.17	1024.22	1023.90
	6	1024.21	1024.14	1024.03	1023.92	1023.87	1023.88	1023.86	1023.79	1023.70	1023.68	1023.75	1023.89	1023.89
	7	1024.05	1024.19	1024.24	1024.25	1024.30	1024.37	1024.40	1024.41	1024.41	1024.45	1024.54	1024.62	1024.35
	8	1024.65	1024.69	1024.73	1024.73	1024.70	1024.70	1024.75	1024.78	1024.82	1024.91	1024.99	1025.04	1024.79
	9	1025.05	1025.03	1025.00	1024.95	1024.94	1024.99	1024.99	1024.96	1024.93	1024.88	1024.81	1024.73	1024.94
	10	1024.65	1024.60	1024.54	1024.47	1024.42	1024.36	1024.33	1024.32	1024.30	1024.30	1024.25	1024.14	1024.39
	11	1024.04	1023.91	1023.77	1023.66	1023.55	1023.45	1023.39	1023.34	1023.28	1023.19	1023.09	1023.02	1023.47
	12	1022.95	1022.89	1022.81	1022.71	1022.61	1022.54	1022.48	1022.41	1022.35	1022.33	1022.32	1022.30	1022.56
	13	1022.30	1022.31	1022.29	1022.26	1022.23	1022.22	1022.25	1022.26	1022.23	1022.20	1022.17	1022.14	1022.24
	14	1022.14	1022.13	1022.12	1022.11	1022.10	1022.09	1022.05	1022.03	1022.06	1022.06	1022.05	1022.07	1022.08
	15	1022.09	1022.12	1022.15	1022.15	1022.15	1022.14	1022.12	1022.12	1022.11	1022.10	1022.10	1022.10	1022.12
	16	1022.13	1022.17	1022.24	1022.32	1022.38	1022.41	1022.43	1022.47	1022.52	1022.55	1022.61	1022.66	1022.41
	17	1022.66	1022.67	1022.69	1022.70	1022.71	1022.71	1022.74	1022.75	1022.76	1022.78	1022.83	1022.86	1022.74
	18	1022.88	1022.90	1022.92	1022.92	1022.91	1022.92	1022.94	1022.97	1022.99	1022.98	1022.96	1022.94	1022.94
	19	1022.94	1022.97	1023.00	1023.05	1023.11	1023.13	1023.11	1023.10	1023.13	1023.17	1023.19	1023.21	1023.09
	20	1023.22	1023.20	1023.18	1023.13	1023.11	1023.09	1023.03	1022.99	1022.98	1023.01	1023.05	1023.10	1023.09
	21	1023.18	1023.24	1023.27	1023.28	1023.27	1023.25	1023.25	1023.38	1023.50	1023.48	1023.47	1023.48	1023.34
	22	1023.48	1023.47	1023.48	1023.49	1023.46	1023.45	1023.48	1023.52	1023.58	1023.63	1023.68	1023.75	1023.54
	23	1023.82	1023.87	1023.91	1023.93	1023.91	1023.85	1023.79	1023.76	1023.77	1023.75	1023.69	1023.63	1023.81

