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**SVIRCO Prompt Report: September 2013**

Fabrizio Signoretti and Francesco Re

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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: September 2013**

**Fabrizio Signoretti and Francesco Re**

*IAPS - INAF, Area di Ricerca Roma - Tor Vergata  
Via del Fosso del Cavaliere, 100 - 00133 Roma, Italy,*

### **Abstract**

*The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in September 2013 by the Neutron Monitor of SVIRCO-Rome (present geographic position:  $41.86^\circ$  N -  $12.47^\circ$  E; altitude about s.l. ), is reported in prompt form together with the barometric pressure data.*



## SVIRCO OBSERVATORY

During the 1<sup>st</sup> 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.

Each of the 20 BF<sub>3</sub> 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 20 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 ray, 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. Stefano Massetti  
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,

[stefano.massetti@ifs-roma.inaf.it](mailto:stefano.massetti@ifs-roma.inaf.it)

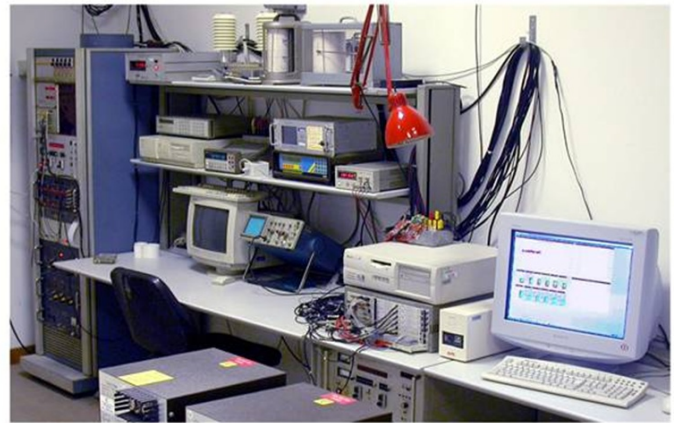




# S.V.I.R.CO. Observatory

Rome

Italy







INAF/UNIromaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - September 2013										20 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	45250	44969	44768	45088	45413	44812	45182	45162	45300	45286	45491	45393	98.237	
	1	45469	44735	44809	45099	45206	44985	44717	45393	44832	44997	44782	45134	97.884	
	2	45539	44710	44909	45085	45692	45305	45818	45482	44682	44910	45358	45122	98.329	
	3	45349	45269	45396	44843	45258	45038	45490	45985	45391	45162	44641	44681	98.309	
	4	44960	45376	44943	45123	44833	44950	44515	45463	44242	45707	45215	45043	97.922	
	5	44759	45626	45470	45058	45199	44984	45515	45242	44759	44248	45235	44934	98.043	
	6	45669	45125	45125	45028	44749	44998	45785	44897	44050	44878	45130	45431	98.013	
	7	45158	44895	44797	45384	44398	45556	44443	44415	44680	44692	44563	45031	97.495	
	8	44779	44625	44570	44438	44825	44461	44783	44592	44589	44454	44982	45189	97.183	
	9	44737	45087	44776	44538	45275	45066	44305	44431	45288	44824	44885	44516	97.444	
	10	44764	45330	44865	44643	45635	44796	45129	44572	44900	45377	45123	45449	97.962	
	11	45877	45067	45371	45255	44587	45617	44572	45487	44911	45279	45049	45114	98.252	
	12	45787	45032	45876	44882	45395	45170	45553	45369	45617	45553	45387	45475	98.779	
	13	45599	44996	45171	46264	45473	44973	45649	45382	46254	45207	45554	44787	98.818	
	14	45447	44965	45646	45646	45082	45226	45087	46250	45312	45110	45835	45758	98.828	
	15	45460	45344	45260	46052	45812	45532	45851	45595	45338	45163	45747	45100	98.989	
	16	46035	45292	45958	45437	45640	45831	44367	45629	45979	45147	45212	45580	98.962	
	17	45353	45006	45225	45275	44945	45135	46029	45855	45118	45004	45601	45325	98.557	
	18	45319	45812	44800	45419	45563	45606	45253	45702	45888	45688	45684	46032	99.081	
	19	45575	45169	45304	45584	45194	45117	45081	45191	45470	44988	44985	45526	98.433	
	20	45754	45341	45031	45038	45053	45460	45301	45256	45172	44752	45160	45170	98.307	
	21	44667	45676	44434	45122	45053	45270	45627	45742	45611	45082	44773	45180	98.261	
	22	45474	44709	44465	45094	44495	45569	45244	44469	45483	44928	44966	45558	97.938	
	23	45209	44584	45120	45236	44916	45259	45293	45295	44309	45330	44808	44975	97.916	
2	0	45388	45193	44579	45036	44988	44776	44760	44689	44665	44853	45112	44192	97.534	
	1	45545	45239	44679	44644	44700	45093	44431	44675	44850	45117	44607	44869	97.575	
	2	45161	44484	45847	44826	45124	44680	44551	44794	44503	45064	44524	44685	97.538	
	3	44729	44167	44507	45049	44549	44831	44682	44261	44560	45175	44877	44935	97.189	
	4	44621	44974	44959	44659	45203	45022	44296	44951	44649	45463	44774	45402	97.669	
	5	44737	44545	45502	45210	45485	45598	44747	45788	45074	45168	45369	45219	98.298	
	6	45514	45320	45287	44863	45233	45252	44965	45455	45110	45370	44886	45928	98.432	
	7	45627	45039	44561	45228	45156	44583	45398	45895	44994	44743	45188	45327	98.171	
	8	45575	45238	44856	45002	45077	45176	45459	45244	45356	45222	45639	45758	98.509	
	9	44899	44714	45163	45557	45833	45716	44933	45411	45069	44999	45753	45269	98.457	
	10	45155	45938	45397	45267	45699	45058	45330	45413	45119	45849	45209	46161	98.870	
	11	45004	45617	45215	44444	46260	45411	45878	45679	45507	45424	45768	45539	98.897	
	12	45115	46037	45804	45418	45736	45505	45977	45222	45311	45692	45554	44662	98.949	
	13	45220	45096	45520	45169	45954	45480	45103	45901	45673	45468	46082	45855	99.038	
	14	45540	46088	45220	45702	45509	45255	44930	44943	45205	45292	45156	45834	98.703	
	15	45898	45232	45716	45631	45504	46230	44767	45262	45886	45825	45972	45836	99.262	
	16	45152	45370	45511	45401	45271	45573	45552	45169	45159	45532	45064	45434	98.615	
	17	46019	45363	45117	45885	45710	45816	45393	45072	45387	45619	45268	45857	99.035	
	18	45308	45550	45704	45084	45437	45080	45270	45184	45407	45962	45311	45724	98.765	
	19	45736	45178	45801	45019	45953	45567	45312	44995	45648	45333	45315	46235	98.960	
	20	45561	45152	45456	44899	45148	44994	44925	45787	45376	45588	44883	44619	98.288	
	21	45171	44760	45065	44976	45823	45228	44859	45178	45738	45328	45380	45654	98.428	
	22	44584	45164	44731	45267	45388	45249	45490	45370	44982	45618	44900	44720	98.121	
	23	45518	45373	44676	45268	45213	44930	44822	44922	45159	44576	44889	44754	97.874	

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – September 2013											20 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	44193	44994	44491	45204	45504	45363	44679	45055	44800	44942	44912	44749	97.654
	1	44900	44523	45459	44976	44733	44541	45516	45035	44820	45128	45677	45144	97.938
	2	45031	44934	45219	44880	44558	45267	45019	45365	44715	45529	45263	45474	98.083
	3	45042	45425	44644	44655	45158	44841	44889	45390	44537	45608	44742	44904	97.826
	4	45002	45244	45413	44959	45628	45090	45031	45157	44947	45187	44785	45709	98.246
	5	45713	44566	45019	45480	44444	45317	44943	44835	45058	45188	44953	45731	98.081
	6	44990	44684	45453	44731	44846	45386	45182	45190	44459	45716	44870	44998	97.947
	7	44992	45528	45056	45256	45366	44816	44973	45331	45060	45159	45554	45382	98.304
	8	44469	44950	45166	45175	45004	44787	45433	45234	44567	45162	44764	45176	97.835
	9	44704	44643	45517	44800	44254	45402	45492	45067	45306	45056	45148	45218	97.966
	10	44693	44575	44960	45107	44471	45414	45225	44524	45007	45178	44801	45089	97.683
	11	44810	44990	45216	45583	45005	45543	45739	45478	44638	44769	45327	45418	98.312
	12	45527	45149	44855	45054	45209	44909	45062	45092	45517	45414	45167	45090	98.226
	13	45563	45335	44774	45204	45342	45161	45680	44515	45453	45109	45117	45426	98.341
	14	44570	45180	45163	44481	45681	45067	44725	44510	45105	45478	45122	45318	97.928
	15	44861	44008	44395	45239	44967	45196	44743	44521	44350	45126	45245	44714	97.378
	16	44922	44323	44995	45085	44323	44952	44835	44720	44430	44567	44136	45296	97.236
	17	44479	44527	44508	45099	44355	44749	44579	44725	43990	44753	44844	44444	96.959
	18	44160	44029	44207	43752	44648	44592	44501	44636	44012	43964	44613	44222	96.285
	19	44325	44528	44284	44480	44678	45119	44175	43970	44794	44375	44429	44206	96.653
	20	44263	43842	44802	44262	44166	44693	44725	44762	44221	44200	43948	44651	96.503
	21	44386	44952	44115	44341	44043	44496	44195	45200	44017	44620	44719	44728	96.734
	22	44152	44152	44789	44562	44488	44677	45108	44259	44226	45132	44660	43924	96.792
	23	44353	44824	44539	44101	44904	44663	44372	44445	44604	45020	44921	44640	97.019
4	0	44486	44709	44888	44635	44812	44680	44858	43673	44598	44554	44899	45201	97.127
	1	44666	44180	44810	44079	44853	44494	45362	44039	44780	44321	44332	45030	96.940
	2	44245	44618	44714	45322	44104	44572	44903	44668	44167	44293	44635	45123	97.016
	3	44530	44671	44274	44717	44932	44209	44850	45329	45012	43865	44792	45118	97.185
	4	44350	45052	44535	44415	43955	44530	44350	44209	45155	44938	44840	44861	96.984
	5	44516	44560	44549	44480	44637	44056	44964	44951	44939	45528	44303	44082	97.052
	6	44723	44116	44905	43930	44204	43873	44309	44280	44348	44518	45027	44342	96.510
	7	44291	43903	44970	44317	45042	44072	44325	44083	44330	43931	44432	44291	96.404
	8	44081	44555	44474	44456	44443	44656	43949	44671	44134	44333	44058	44653	96.490
	9	44625	44530	44375	44674	44276	45006	44487	44713	43942	44124	44730	45009	96.857
	10	44890	44516	44208	44344	44809	44675	44689	44030	44800	44551	44818	44761	96.966
	11	44524	44828	44593	45302	44906	44755	44314	44544	44900	45230	44609	45053	97.414
	12	44760	44694	44562	45234	44893	44369	43930	44955	44918	45194	44672	45177	97.377
	13	45328	44769	44621	44709	44663	43845	44979	45217	45028	44184	45248	45281	97.470
	14	44966	44711	45055	44761	44830	44863	45807	45308	45064	44714	44526	44988	97.782
	15	45049	45044	44655	45373	44046	45123	44667	44800	45119	44902	43922	44290	97.310
	16	44442	45128	44622	44128	44801	44859	44786	44933	44699	44433	44388	45397	97.242
	17	45387	45482	44376	44972	44594	44896	45268	45105	44669	44439	44852	44788	97.644
	18	44978	45229	44697	45045	44763	44122	45218	44741	45122	44817	44213	44705	97.430
	19	45093	45100	44281	44919	44945	44823	44391	44652	44891	44885	44941	44326	97.357
	20	44963	45109	45010	45325	45111	45319	44554	44890	45002	44619	44820	44698	97.751
	21	44873	44991	44811	44903	44467	44857	44959	44843	44753	44839	44297	45115	97.440
	22	45049	44434	45472	44434	45352	44679	44622	44767	44652	45071	44791	44431	97.449
	23	45377	44600	45012	44997	44108	44599	44842	44623	44423	44499	45078	44382	97.229

INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - September 2013									20 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	45351	45224	45040	44306	43974	44139	44594	44483	44229	44748	44599	44438	96.967
	1	44829	45130	44588	44570	44914	44925	44248	44506	44609	44769	44548	44759	97.202
	2	44950	44770	44275	44243	44485	44742	45061	44983	44028	44788	44344	45036	97.078
	3	44719	45157	44706	44698	44221	44690	44845	44641	44819	44634	45217	45053	97.385
	4	45045	44256	44140	45330	44301	45128	44370	44910	45172	44775	44790	45451	97.433
	5	44489	44554	44895	45682	45025	44891	44781	43819	44530	44772	45351	44248	97.319
	6	45053	44294	44574	43802	44756	44486	44783	44520	45111	44810	45291	44629	97.150
	7	44648	44430	45593	44921	44751	44573	44332	44620	45117	44712	44195	44634	97.227
	8	44991	44850	45064	44820	44732	45248	44856	44883	45330	44653	45254	45045	97.806
	9	44566	44866	45182	44934	44959	44616	44483	45072	45259	44552	44944	45197	97.608
	10	45269	44813	45380	44789	44947	45274	44609	45015	44976	45278	44826	44956	97.880
	11	44867	44709	45329	45489	44893	44873	45285	45171	45748	45019	44540	44689	97.966
	12	45070	44913	44447	44868	44596	45046	44863	44677	44725	45237	45065	45132	97.609
	13	45412	44778	45037	44626	44693	44640	45377	44689	45174	45352	45010	44973	97.813
	14	45283	44569	44441	44562	44858	44535	45478	44999	45010	44887	44786	44683	97.510
	15	44770	45156	44700	45266	44550	44558	44908	44612	45162	44344	45299	45387	97.623
	16	44970	45397	44972	44871	45338	44830	45392	44546	44520	44524	44914	44955	97.716
	17	45158	44899	44686	44734	44898	44662	44826	43958	44393	44813	44646	44106	97.091
	18	44721	44658	44526	44926	44534	45080	44505	44812	45457	45118	45046	44837	97.533
	19	44872	44445	45260	44682	44866	44349	44811	44793	44489	45082	44198	45134	97.308
	20	44394	44081	44468	44793	44973	45222	44730	45171	45056	45229	44639	44816	97.416
	21	44565	45235	44455	44344	44224	45136	44751	44753	45482	44716	44268	44728	97.250
	22	45137	45272	44718	44725	44424	44257	45154	44571	44602	44783	44854	44926	97.388
	23	44781	45208	44885	45148	44894	44302	45208	44675	44664	44301	44566	44440	97.325
6	0	44804	44184	44944	45063	44757	44862	44915	44360	44759	45406	44540	45044	97.418
	1	44460	44850	44355	44625	44313	44912	45317	44552	44985	45270	44676	44763	97.327
	2	44397	44565	44203	44731	43985	44938	44693	45006	44709	44805	44538	44415	96.947
	3	44878	44851	44751	44824	44592	45101	44815	45075	45415	45078	44252	45080	97.622
	4	45245	45238	44709	44576	45430	45024	44718	44281	45172	44772	45316	44562	97.682
	5	44337	45022	44782	45020	44506	44634	44477	44860	44598	44860	45043	44473	97.241
	6	44388	44657	44951	44659	44760	44713	44613	45371	44999	45145	44686	45446	97.563
	7	45200	44921	45049	44992	44680	44479	44957	44832	44927	45342	44875	44664	97.660
	8	45224	44803	44341	44511	44818	45236	44821	44938	44678	45117	44336	44892	97.442
	9	44727	44719	45142	45125	45130	45062	44546	45207	44747	44878	44808	44850	97.663
	10	45310	44798	44742	44909	45214	45306	45313	45095	45091	45046	44755	44786	97.922
	11	45180	45105	44508	45282	44796	44662	44932	45025	44378	45514	44832	45483	97.801
	12	44834	45156	45528	45280	45156	44532	44991	45462	45023	45094	44632	45352	98.044
	13	44895	44716	44738	44742	44869	45443	44963	44808	44957	44943	44370	45599	97.682
	14	44990	44730	44672	45027	45670	44272	45307	44334	45230	44200	44320	44877	97.426
	15	45556	45008	45017	44836	44859	44935	45119	44681	45452	44332	45096	44884	97.815
	16	44908	44707	46324	45217	44986	44688	44353	44832	44721	45199	45139	45272	97.918
	17	45412	44958	44364	45644	44474	45103	44169	45246	45261	45440	45704	45124	98.018
	18	45452	45830	44523	44441	45481	44926	44918	45073	45153	45211	45110	45028	98.063
	19	45496	44703	45506	44761	44698	45194	45418	45016	44895	44875	45090	44744	97.928
	20	46004	45080	45166	45137	45594	44695	44355	45298	45441	44941	44998	44682	98.108
	21	44878	44770	44659	45073	45196	45270	45426	44364	46118	45479	45606	44739	98.142
	22	44686	45414	44692	45326	44835	45169	45509	44810	44708	45007	45268	44189	97.786
	23	45061	44877	44930	45137	45141	45458	45100	44667	45081	44995	44702	45320	97.941

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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	45039	45365	44942	45414	45081	44771	44717	45306	45182	44902	45331	45082	98.064
	1	45488	44382	45631	45097	44668	45282	45411	44938	44803	45208	45037	45065	98.038
	2	44621	44866	45191	44830	45256	44973	45260	45369	45455	45114	44969	45266	98.068
	3	45155	45556	44715	45235	45141	45381	45112	44598	45756	45193	45512	45245	98.326
	4	45317	44820	44798	45135	45270	45096	44720	45510	45344	44689	46176	44626	98.128
	5	44956	45760	45122	44856	45582	45654	45609	45112	44850	44873	45040	44198	98.148
	6	45520	45221	45192	44817	44555	45119	44918	45576	45134	44842	45187	45221	98.092
	7	45309	45248	45130	45607	45447	45127	45052	44638	45054	44803	45101	45083	98.145
	8	45379	44959	45485	45394	45177	45304	44845	44599	44724	44939	45883	45611	98.272
	9	44975	45594	45548	44469	45412	44933	45237	44769	44603	45493	45069	44809	98.020
	10	45079	44742	45145	45403	45505	44690	44882	45159	44834	44829	44522	44903	97.800
	11	44851	45119	44924	45009	44932	45900	44608	44587	44976	45374	45091	45623	98.036
	12	44857	44958	44987	44595	44877	45585	45228	44627	44718	45391	45306	45191	97.913
	13	45025	44823	44947	45033	44657	44784	44821	44882	45429	45109	44955	45492	97.848
	14	45112	44650	45209	45005	45165	45039	45750	45694	44733	45387	45194	45091	98.223
	15	45024	45306	45746	44956	45399	44772	45154	44940	44986	44784	44811	44853	97.988
	16	45110	45175	44852	45390	44396	44457	45048	45217	45211	44698	44939	44559	97.684
	17	45403	45367	45292	44883	45010	45363	44821	44728	44642	45458	44928	45116	98.039
	18	45318	45242	44790	44944	45462	45246	45176	44916	44659	44899	44924	44538	97.877
	19	45300	45027	45364	44759	44650	45196	44737	44146	45149	44737	45656	45182	97.838
	20	44869	45234	44160	44905	44634	44385	44698	45165	44891	45623	44650	45196	97.567
	21	44940	44645	44772	45082	44830	44960	44825	44599	45018	44790	45042	45094	97.602
	22	44957	45160	45189	44835	44888	45448	44300	44056	44839	45283	44784	45376	97.695
	23	45033	45149	45149	44739	45657	44516	44699	45193	44695	45290	44855	44599	97.778
8	0	44929	44998	44583	44524	45136	45016	44972	45040	44618	45137	44558	44897	97.569
	1	45142	45147	45166	45137	44821	45065	44590	44352	44326	45094	45790	44832	97.758
	2	44795	45088	44838	45689	44477	44816	45001	45045	44574	45433	44622	44396	97.634
	3	45241	44505	45071	44758	45756	44731	45072	45118	45091	45653	45107	45067	98.068
	4	44831	44823	45005	45502	45530	44447	45334	45180	45405	44145	44940	44792	97.844
	5	45266	44460	45647	44933	44804	44140	44930	45493	44223	45290	45796	44252	97.717
	6	45308	45788	44827	45037	45367	45622	45403	45412	45329	44825	45377	45075	98.466
	7	44680	45552	45008	45223	45290	45015	44998	44456	44975	45597	45022	45462	98.088
	8	45546	45014	45588	44840	45027	45634	44541	45069	45052	45636	45491	45230	98.339
	9	44577	45479	45473	45368	45483	44939	45042	44856	45713	45178	45421	45187	98.348
	10	45068	44807	45071	44915	45795	45155	45196	45101	44882	45018	45456	44916	98.106
	11	45605	44827	44847	45327	45479	45536	44989	46221	44470	45570	44853	45093	98.366
	12	45006	44867	44883	45818	44854	45123	44807	45268	45244	45347	45562	45115	98.199
	13	45571	44457	44901	44905	45180	45201	45052	45309	44677	45122	45314	45323	98.039
	14	44831	45337	44466	44635	45055	44920	44531	45241	45291	45053	45339	44827	97.770
	15	44958	45329	44681	45031	44930	44526	45333	44950	44807	44886	44996	44813	97.718
	16	45198	44833	45255	44673	44612	45400	45052	45347	44583	45323	45076	45150	97.947
	17	45107	44897	44913	45049	44867	44815	45282	45348	44678	45234	44628	44842	97.794
	18	45487	45567	44011	45397	45468	44797	45672	44411	45144	45467	45662	44922	98.220
	19	44763	44991	44717	44526	45107	44964	45137	45264	44232	44946	45231	44494	97.561
	20	44954	44794	45112	44915	45339	44998	44632	45091	45154	45072	45207	44428	97.801
	21	44877	45308	44319	45258	45422	45198	45058	45108	45493	45868	45494	45502	98.382
	22	44397	45328	45279	45093	45267	45025	45415	45680	45521	44657	44956	44811	98.115
	23	44870	45603	45073	45487	44608	45138	45530	44570	44641	45692	44787	44684	97.979

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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	44908	44978	44679	44543	44910	45215	44835	44980	44898	44809	44910	44780	97.572	
	1	44960	45113	44726	44887	45558	45657	45036	45021	45163	44929	45145	45159	98.101	
	2	44806	44855	44493	44694	44839	44965	44752	45052	45333	44650	45143	45353	97.663	
	3	45071	45006	44845	44999	44708	44946	44568	45004	45466	45150	44822	44608	97.709	
	4	45237	45132	44834	44974	45348	44768	44851	44563	44995	45536	44954	45439	97.970	
	5	44849	44976	44766	45403	44681	44713	44735	44705	45157	45002	45340	44956	97.726	
	6	45386	45119	44638	44673	45443	45535	44780	45806	45312	45248	45373	45072	98.288	
	7	44811	45338	45189	45442	45427	45238	45467	45532	44640	46041	45086	45312	98.494	
	8	45232	45346	45284	45251	44737	45080	44987	44999	44777	45098	45166	45031	98.035	
	9	44710	45074	45312	45491	45248	45718	45747	45038	45084	44760	45660	45578	98.475	
	10	45415	44854	45271	45186	45047	45068	45249	45474	45845	45401	45761	45832	98.653	
	11	45219	45430	45401	45501	45900	45095	45354	45449	45269	45431	45852	45575	98.848	
	12	45872	44681	45708	45373	45487	45142	44296	45515	45107	45231	45532	46097	98.588	
	13	44656	45447	45434	45305	45143	45686	45675	45191	45099	45228	45282	46036	98.613	
	14	45285	45328	45695	45629	45650	45221	44946	45141	44859	45491	45057	45184	98.487	
	15	45335	44823	45333	45460	45618	44809	45721	45357	45265	45201	45553	44944	98.475	
	16	45523	44802	45082	45013	45618	45400	45733	44836	45278	45464	44413	45131	98.271	
	17	45274	45614	44882	45589	45257	45132	45142	45214	45570	44823	45053	44974	98.313	
	18	45515	45482	45083	45095	44991	46185	44779	45210	45736	45557	45593	44749	98.576	
	19	44283	45223	45379	44959	45392	44763	46076	45123	44486	45288	45184	45271	98.114	
	20	45243	45509	45265	44939	45548	45679	44743	45001	44739	44814	45202	45754	98.297	
	21	44886	45320	44844	44872	44939	45198	45306	44948	45156	44790	44762	44860	97.834	
	22	44965	45048	45398	44934	44423	44771	45093	44685	45362	45025	45345	45145	97.891	
	23	45215	45327	45625	44704	45198	44989	45507	45267	45340	45140	45595	45075	98.396	
10	0	45190	44580	45073	44819	45549	44870	45679	45675	45545	45396	45302	44964	98.327	
	1	44690	44970	45376	45249	45336	45585	45201	45668	45156	45250	45399	45411	98.452	
	2	45361	45444	44795	45926	45282	45772	44975	45148	45823	45408	44798	45475	98.618	
	3	45218	45591	45470	44712	45361	45617	45542	45372	45120	45331	45625	45513	98.666	
	4	45278	46038	45861	44528	45724	44782	45786	45419	45148	44926	45366	44796	98.517	
	5	45415	44709	45296	45531	44906	45376	44966	45475	45071	45363	45508	45120	98.351	
	6	46098	44936	45856	44738	45267	44739	45489	45090	45443	44751	45085	45811	98.454	
	7	44844	45422	45649	46009	44881	45213	45287	45538	45050	45418	45337	45617	98.629	
	8	45449	45484	45585	45940	45139	45430	46022	45847	45849	45797	45531	45478	99.224	
	9	45437	45656	45765	45390	44568	45627	44887	45561	45538	45653	45456	45547	98.777	
	10	46117	45612	45540	45638	45303	46202	45709	45609	45495	45536	45237	45531	99.220	
	11	45164	45808	45633	45713	45532	45460	45274	45685	45480	45452	45513	45461	98.975	
	12	45311	44998	45642	45482	45845	45552	45668	45501	44346	45066	46007	45381	98.725	
	13	45601	45119	45651	46054	45562	44876	45937	45884	45890	45496	45363	45991	99.201	
	14	45764	45269	45195	45857	45776	45217	46004	45228	45700	45405	45701	45082	98.979	
	15	45687	45867	45670	45704	45347	45794	45623	45970	45924	45596	45635	45532	99.369	
	16	46027	45523	45242	45341	45246	46033	45665	45237	45227	45552	45373	45352	98.910	
	17	45762	45985	45105	46084	45695	45129	45464	45149	45555	45622	45261	45497	98.999	
	18	45089	45637	45131	45709	45366	45519	45289	44937	45628	45041	45681	44867	98.561	
	19	44547	45917	45553	45318	45460	45007	45373	45478	45541	45303	45523	44838	98.555	
	20	45649	45007	45745	45192	45622	45169	45273	45230	44914	45482	45184	45030	98.489	
	21	45686	45725	45573	45510	46612	45692	45389	45419	45748	45655	45095	45251	99.188	
	22	45487	45743	45544	45368	45805	45390	45132	45874	45825	45883	45194	46075	99.182	
	23	45216	44987	46021	45092	45098	45396	44901	45249	45891	45640	45362	44790	98.516	

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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	45118	44452	45455	45697	45233	46089	45611	45914	45790	45467	45651	44963	98.839
	1	44605	45751	45151	45235	44734	45576	45162	44655	45004	45156	46034	45726	98.362
	2	45231	45230	45079	45576	45137	45259	45214	44879	45474	46275	44924	45289	98.502
	3	45151	45141	45080	44855	45150	45221	45894	45028	45384	45810	44915	45852	98.486
	4	45288	45173	44969	45008	45126	45195	44993	45101	45660	45194	45499	45050	98.264
	5	45183	44957	45478	45220	45387	45376	45414	44777	45612	45658	45075	45488	98.512
	6	45564	44952	44917	44987	45259	45536	45021	45138	45368	45170	45684	45344	98.389
	7	45760	45311	45134	45149	45557	45542	44991	45614	45206	45127	45715	45538	98.697
	8	45431	45597	45276	45377	45263	45537	44901	45304	44982	45248	45306	45360	98.505
	9	45082	45019	45640	45599	45484	45297	45222	45719	45805	45647	44878	45910	98.816
	10	45736	45984	44884	45649	44735	46190	45599	45512	45867	45702	45438	46149	99.205
	11	45526	44960	45670	45395	45125	45690	45465	45267	45516	45998	45600	45499	98.891
	12	45851	45481	46115	45054	45537	45344	45537	45365	45525	45384	45383	45751	99.002
	13	45727	45758	45982	45576	45629	45795	45285	45649	45472	45745	45784	45895	99.359
	14	45788	45161	45613	45672	46015	45394	45214	45488	46141	45532	45192	45946	99.152
	15	45425	45608	45873	45144	45625	45661	45374	45845	45221	45642	44943	45123	98.850
	16	44982	45602	45474	45848	45399	45907	45183	44877	45133	45531	45290	45387	98.692
	17	45121	45134	44913	46150	45718	45258	45684	44814	45286	45326	45536	45518	98.663
	18	45795	45532	45899	45248	45536	44777	45277	45060	45323	45539	45449	45847	98.813
	19	45651	45438	46379	45183	45027	45467	45429	45724	45655	45951	45216	45277	99.015
	20	45230	45477	45654	44916	45470	45608	45593	45345	45494	45117	45861	46145	98.927
	21	45665	45326	45437	45254	44752	45101	45455	45753	45233	45558	45928	45151	98.692
	22	45582	45897	45369	46052	45127	45893	45627	44997	45252	45124	44922	45216	98.773
	23	45537	45589	44616	45683	46184	45854	45812	44957	45523	45265	45312	45083	98.837
12	0	44777	45525	45446	45733	45393	45126	45414	45079	45278	45146	45614	45541	98.591
	1	45169	45490	45478	45192	45132	45306	45505	45553	44895	45389	45280	45048	98.478
	2	45343	45173	45218	45493	45206	45413	45402	45651	45629	44852	44657	45326	98.465
	3	45147	45923	45505	45678	45034	45589	45018	44701	45199	44783	45233	45513	98.458
	4	45486	45471	44883	45458	45597	45271	45227	45251	45069	45329	44958	45600	98.508
	5	45663	45793	45846	45935	45091	45914	45038	45661	45213	46205	44951	45677	99.122
	6	44409	46249	45265	45442	45407	45485	45095	45651	45643	45281	45952	46223	98.961
	7	45702	45579	45669	45525	45452	45272	45959	45330	45824	45083	45881	45401	99.065
	8	45849	45350	45579	44966	45237	44987	46103	45981	45171	45963	45463	45455	98.962
	9	45750	45642	45221	45520	45622	45551	45230	45740	44899	45652	45515	45114	98.844
	10	45493	45696	44618	45910	44890	45191	45950	45762	45845	45801	45060	45641	98.917
	11	45703	45461	45885	45675	45424	46068	45462	45554	45388	45674	45492	45330	99.145
	12	45561	45069	46015	45748	45339	45757	45891	45233	45541	45469	45740	45358	99.074
	13	45331	45533	45662	45680	45148	45625	45835	45398	45784	45570	45365	45884	99.091
	14	45795	45457	45443	45872	45923	44672	45601	45616	45886	46099	45496	45552	99.199
	15	45081	46376	45379	45440	45756	45831	45479	45675	45611	44825	45154	45901	99.035
	16	45784	45933	46058	44816	45703	45862	45526	45490	46353	45420	46191	45621	99.442
	17	45195	44940	44705	45459	46089	45897	45319	45233	45429	44896	45408	45469	98.588
	18	45520	45852	45338	45652	45919	44707	45443	45723	45417	45646	45815	45679	99.072
	19	45104	45632	45118	45775	45306	45143	45344	45494	44924	45951	45579	45760	98.785
	20	45180	45521	44968	45145	44995	46274	45478	46354	45721	45388	46069	45398	99.033
	21	45721	45317	45816	45250	45287	45672	45224	45664	45230	45037	46091	45795	98.962
	22	45288	45345	45200	45276	45201	45323	45353	45092	45684	45662	45769	45195	98.651
	23	45396	45453	45493	45455	45362	45897	46331	45813	45348	45622	45416	45423	99.126

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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	45372	45702	45555	45163	44860	46021	46127	44781	45716	45327	45732	45980	99.000
	1	45646	44724	45153	45501	45341	45670	45576	45199	45277	46238	45269	45760	98.826
	2	45406	45702	45619	45675	46536	45752	44355	45675	45416	45191	45478	45181	98.940
	3	45308	45954	45621	45754	45325	45404	45327	45307	45724	45906	45828	45377	99.094
	4	45204	45166	45241	45692	44924	45496	45582	45351	45481	45178	45611	46009	98.750
	5	45730	44963	45382	45755	45469	45045	45469	45268	45488	45221	45327	45486	98.690
	6	45266	45377	45365	44657	45853	45199	45534	45231	45607	45576	44789	45833	98.632
	7	45441	45694	45637	45267	45442	45517	45838	45350	45599	45888	45592	45523	99.086
	8	45790	45271	45313	45523	44964	45546	45523	45644	45922	45717	45445	45270	98.930
	9	46369	45379	45598	45630	45444	45749	46249	45641	45937	45704	45712	45620	99.492
	10	45842	45629	45666	45819	45679	45662	45779	45355	46056	45730	45790	45677	99.429
	11	45711	45414	45473	45896	45842	45398	45685	45891	45353	46013	45298	45788	99.262
	12	45659	46278	45585	45576	46137	45156	46323	45518	45902	45513	45835	45857	99.548
	13	45504	45483	45531	45784	45731	45768	45878	45556	45563	45610	45448	46246	99.324
	14	45495	45877	45453	46446	45606	45332	46064	45581	45623	45308	45195	46005	99.303
	15	45154	45889	45437	46015	45665	45203	45625	45597	45363	45891	45787	45345	99.119
	16	46310	45515	45800	45882	45303	44974	45665	45799	45443	45441	45526	46215	99.283
	17	45763	45950	46047	45630	45849	46367	46021	46164	45647	45656	45881	45330	99.724
	18	45470	46523	45548	45641	46101	46257	45523	45418	45618	46102	45011	46360	99.590
	19	45193	45916	45292	45320	45864	45930	45605	45111	45876	46243	46502	46182	99.493
	20	45131	45708	45398	46040	46165	45828	45624	45790	45804	45494	45870	45633	99.393
	21	45087	45649	46137	45918	45346	45403	45594	45852	45531	45613	45892	45838	99.280
	22	45628	46417	46278	45472	45619	45894	44519	45528	44889	45969	46282	45639	99.329
	23	45423	45549	45226	46105	45541	45840	45271	45123	45625	45646	45010	45571	98.930
14	0	45540	45291	45795	45113	45268	45038	45665	45046	45918	45472	45627	45658	98.839
	1	45432	46155	45751	44999	45557	45423	45310	45064	45407	44599	45159	45454	98.636
	2	45902	45324	45553	45781	45642	45945	45370	45027	45816	45288	45713	46076	99.203
	3	45468	45783	45540	45019	46018	45557	45003	45954	45356	45921	45305	46142	99.136
	4	46099	45141	45642	45187	45731	46021	46176	45404	45666	46052	45332	45509	99.298
	5	45390	45797	45930	45396	46521	45722	45274	45592	45797	45487	45655	46004	99.408
	6	45367	45807	45898	45410	45386	45343	46206	45765	45948	45316	45761	45690	99.286
	7	46022	46172	45591	46112	46110	45872	45737	46101	45744	45339	45695	45523	99.671
	8	45506	45229	45015	46068	45580	45638	46312	45743	45924	45478	45532	45732	99.261
	9	45772	45453	45991	46592	45957	45833	46059	46147	46038	46326	46231	45400	99.994
	10	45770	45563	45867	45539	45802	45382	45925	45696	45802	46768	45390	46082	99.593
	11	46126	46054	45343	45796	46433	45656	46233	46208	45300	45397	46243	45380	99.698
	12	45585	45770	45915	45664	45372	46653	45254	45639	46106	45411	46114	46323	99.633
	13	45800	46066	46079	46347	45122	45243	45618	46143	45933	45527	44888	45752	99.399
	14	45470	45598	45920	46104	45837	45656	46002	46788	45982	45523	45417	46045	99.730
	15	45195	45639	45997	46161	45753	45842	45246	46222	45489	46148	45058	46448	99.523
	16	45262	45610	45974	45251	45697	45615	45720	45511	44557	45392	46053	45276	98.928
	17	46237	45447	46167	45945	45621	45045	45961	45132	45744	46118	45025	45367	99.271
	18	46550	45918	45498	45643	45546	45226	46113	45647	45740	45735	45749	45390	99.443
	19	45767	45923	45916	45858	46051	45191	45765	45682	45453	46268	45928	45911	99.616
	20	45098	45698	45399	45725	46157	45348	45641	45790	46269	46305	45586	45767	99.447
	21	45438	46156	45305	45608	45385	45282	45861	45663	45500	45590	45452	45555	99.087
	22	45208	45364	45340	45900	45730	45921	45884	45154	45662	45138	45667	46121	99.140
	23	46465	45551	45868	45941	45808	45921	45080	45501	45597	45141	45343	45728	99.296



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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	45624	45424	45804	45610	45217	45449	45596	45158	46289	45816	45207	45619	99.083
	1	45535	45903	45906	44977	45839	44793	45779	45848	45112	46048	45764	45152	99.062
	2	46008	44750	45667	45559	45498	45908	45971	45717	45243	44786	45058	45465	98.876
	3	45614	45648	45448	45715	45244	45393	45685	46034	45455	45216	45590	45618	99.062
	4	45725	45847	44792	45506	45538	45449	45335	45976	45582	45785	44772	45444	98.898
	5	45541	45509	45730	45589	45094	45550	45088	45789	45447	45766	45797	45640	99.041
	6	45570	45887	46043	46447	45820	44932	46089	45856	45747	45622	45882	45568	99.571
	7	45926	45419	45584	45960	46008	46072	46377	46196	45465	45450	45780	46174	99.742
	8	45933	45886	45979	45453	45945	45504	45507	46000	46031	45904	45689	45855	99.611
	9	45671	45755	46517	45553	46027	45406	45362	45669	45674	45031	46076	45771	99.398
	10	45495	45943	45834	46102	45894	46162	45566	45775	46278	45436	45309	46070	99.643
	11	45637	45318	45970	45943	45638	45200	45914	45624	45799	45759	45667	45210	99.247
	12	44725	45081	45585	46025	46061	46184	46047	45531	46130	45239	45202	45481	99.178
	13	46007	45158	46295	45311	46314	45328	45712	45627	45394	45970	45714	45446	99.355
	14	45603	45337	45684	45314	45278	45459	45561	44667	45772	45068	45619	45548	98.745
	15	45414	45645	45589	45451	45265	45966	45263	45354	45360	45060	45235	44836	98.660
	16	45289	45075	45401	45464	45721	45407	45263	44966	45889	45720	46107	45285	98.868
	17	45501	45232	45313	45761	45072	45625	45727	45086	45831	45969	45809	45337	98.991
	18	45277	45027	45448	45086	46171	45761	44835	45404	45286	45572	45315	45720	98.744
	19	45875	45138	45738	45497	45486	45341	45893	45430	45418	45423	45020	45336	98.869
	20	45572	45587	45579	45586	45733	45414	45397	45868	45773	44824	45188	45430	98.934
	21	44983	44924	45698	45408	44825	46034	45718	44956	45592	45413	45489	45785	98.731
	22	45644	44633	45690	44791	45460	45905	45284	45952	45578	45443	45527	46046	98.935
	23	45351	45503	45344	45041	45085	45599	45693	44675	45365	44924	45255	45591	98.476
16	0	45481	45364	44737	44903	45276	44939	45638	45618	45858	45301	45906	45345	98.631
	1	45506	45443	45377	45821	44480	45603	45440	45662	44871	45948	45503	45722	98.830
	2	45541	45447	45075	45369	45889	46162	45372	45569	45317	45031	45469	45420	98.881
	3	45659	44999	45719	45450	45632	45395	45408	45508	46004	45373	45661	45664	99.028
	4	45448	45405	45597	44727	45666	45586	45405	45397	45655	44992	45394	45770	98.769
	5	45621	45821	45976	45808	45396	45670	46262	45488	45815	45770	45721	45383	99.438
	6	45228	46212	45399	45529	44795	44797	45681	45930	45316	45975	45633	45880	99.011
	7	45125	45337	45089	45764	45433	45272	45073	45614	45800	45124	45226	45178	98.587
	8	45576	46108	46191	45430	45725	45479	45900	46039	45780	45557	45109	45544	99.385
	9	45800	46115	45658	46162	46121	46047	45850	45539	45691	46103	45362	45018	99.571
	10	45495	45704	46014	45442	45906	45236	45575	45577	45220	45670	45806	45476	99.146
	11	45596	45091	45144	45405	45504	45494	45009	45382	45665	45718	45911	46076	98.943
	12	45776	46322	45814	45100	45310	45847	45370	46194	45861	45364	45574	45927	99.389
	13	45754	45241	45886	45350	46357	45248	45686	45552	46110	45594	46086	46031	99.468
	14	45569	44969	45472	44796	46243	45840	45989	45475	45756	45402	45907	45999	99.200
	15	45800	46110	45819	45984	44751	46026	45923	45638	45588	46114	45529	45383	99.426
	16	45578	45453	45488	45880	45213	45759	45594	45710	45601	45617	45864	45628	99.194
	17	45251	45606	45589	46058	45851	45276	45418	45629	45313	45357	45745	45500	99.051
	18	46066	45827	45605	45773	45279	45848	45349	45146	45375	45362	45304	45412	99.006
	19	45610	45996	45473	45656	45293	45931	45324	44543	45641	45518	45274	45097	98.826
	20	45404	45918	45544	45420	45463	45914	45797	45509	45479	46408	45271	45949	99.319
	21	45561	45480	45250	45447	46047	44965	45419	45198	45869	45749	45853	45426	98.991
	22	45031	45650	45110	45724	45542	45753	45549	45565	45365	45382	44886	45308	98.737
	23	45420	46121	45612	45397	45587	45856	45696	45114	45729	45490	45171	45905	99.142

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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	45264	45103	45203	45606	46028	45115	45168	45741	45039	44972	44993	45834	98.590	
	1	45635	45417	45612	45178	45174	45387	45527	45347	45192	45500	45554	45437	98.754	
	2	45577	45917	45716	45410	45456	45557	45666	45205	45228	45522	45742	45408	99.016	
	3	45556	44769	45357	44693	45115	45227	45358	44876	45918	45657	45738	45137	98.473	
	4	45444	45468	45423	45675	44919	45547	45309	45180	45920	45071	45383	44981	98.639	
	5	45466	45379	45243	45762	44982	45778	45308	45457	46060	45589	45506	45662	98.978	
	6	45487	45552	46324	45616	45769	45686	45216	45636	45394	45248	45845	45544	99.182	
	7	45756	45268	45386	45764	45877	45442	45751	45299	46160	45533	45385	45879	99.215	
	8	45967	45614	45179	45579	45391	45774	45762	45403	44956	45684	45657	45897	99.099	
	9	45451	45762	45751	45327	45740	45481	45620	45580	45298	45054	45563	45058	98.886	
	10	45391	45237	45334	45899	45205	45460	45219	45922	45418	45555	45870	45703	98.982	
	11	45015	45848	44985	45412	45401	45111	45794	45193	45359	45182	45322	45216	98.551	
	12	44991	45392	45485	45099	45661	45281	45313	45017	45774	45737	45411	45405	98.683	
	13	45013	45248	45284	45411	45165	45522	45692	45349	45447	44897	45347	45802	98.613	
	14	45303	45953	45411	45319	45576	45118	44978	45660	45163	45563	45396	45266	98.709	
	15	45167	45021	45501	45245	45745	45598	45450	45402	45197	45141	44912	44969	98.463	
	16	45019	45569	46106	46114	44754	45297	45134	45462	44808	45275	45072	45617	98.622	
	17	44692	45922	45271	45397	45695	45610	45405	45977	45346	45321	45474	45328	98.841	
	18	45344	45611	45234	45094	45179	45543	45037	44612	45527	45914	45360	45296	98.536	
	19	45639	45580	45497	45325	44805	44886	45496	44972	45347	45127	45253	45216	98.425	
	20	45542	44720	45361	45202	45763	45494	45276	45746	45451	45852	45559	46001	98.937	
	21	45569	45639	45737	45773	45200	45157	45433	45527	45580	45623	46232	45154	99.056	
	22	45634	45870	45785	45618	45730	45039	45571	45193	45695	45738	45469	45590	99.112	
	23	45123	45834	45087	44769	45641	45108	45882	46407	45416	45577	45749	45258	98.916	
18	0	45799	45661	45736	45403	44982	45305	45823	45312	45782	45595	45303	45846	99.040	
	1	46041	45235	45374	45218	45676	45410	45536	44945	45366	45075	45254	45150	98.631	
	2	45660	45509	45548	45147	45435	45752	45201	45128	45917	45491	45821	45246	98.917	
	3	45634	44702	45897	45086	45789	45068	45504	45235	45435	45404	45267	45782	98.726	
	4	45768	45657	45316	45082	45936	45252	45631	45757	45157	45808	45282	46198	99.096	
	5	44858	46268	45808	45545	45479	45838	45000	45209	45516	45699	45744	46036	99.124	
	6	45363	45178	45737	45830	46140	45525	44866	45108	46086	44621	44810	45462	98.712	
	7	45948	44635	45521	45039	45117	45509	45062	45211	45235	45469	45585	45300	98.514	
	8	44980	45122	45610	45214	45267	45694	45298	45441	45137	45924	45671	45280	98.696	
	9	45538	44788	44977	44999	45761	45633	45505	45239	45650	44977	45219	45325	98.511	
	10	45209	45658	45801	45014	45456	45560	45209	45700	45540	45202	45735	44847	98.749	
	11	45621	45357	45463	45362	45315	45604	45391	45068	45386	45558	45800	45554	98.849	
	12	45473	45491	45679	45434	45702	45618	45722	44992	45700	45594	45746	46422	99.228	
	13	45545	45427	45098	45481	45479	45695	45121	45321	44663	46024	45364	45042	98.628	
	14	45842	45612	45653	45665	45812	45483	45488	45490	45942	45391	45007	45545	99.111	
	15	45548	45210	46125	45057	45168	45334	45763	46122	45647	45720	45056	45515	98.991	
	16	45730	45285	45265	44988	46014	45853	45949	46019	45941	46145	46019	45676	99.466	
	17	46060	45734	46213	45395	45757	45630	45365	45317	45644	46157	45631	45588	99.394	
	18	45112	44823	45333	45442	45063	45157	45355	45734	45706	45394	45839	45594	98.680	
	19	45751	45704	45266	45747	45553	45731	45621	45551	45209	45589	45952	45683	99.189	
	20	45578	45871	45635	45590	45392	45813	45541	45330	45175	46370	46025	45150	99.209	
	21	46185	45526	45676	45605	45898	45746	45648	45570	46103	45906	45604	45600	99.499	
	22	45463	45805	45145	45818	45560	45048	45286	45810	45976	45446	45622	46166	99.151	
	23	45929	45259	45899	45733	45863	45647	45446	46343	45531	46017	45496	45840	99.487	

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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	45748	45384	45460	44769	45445	45388	46355	45326	45380	45016	45639	46176	98.958
	1	46491	45226	45594	46099	45509	45657	45617	45550	44843	45954	45684	45546	99.263
	2	45883	45463	45393	46004	45647	45411	46024	46003	45496	46061	45943	45538	99.462
	3	44628	45271	45540	45752	45922	45471	45323	45820	45618	45022	46303	46043	99.072
	4	46052	45742	45630	45793	45811	45953	45084	45127	45374	46433	45330	45370	99.251
	5	45200	45286	46051	45275	45553	45885	45506	45273	45815	44961	45621	45441	98.919
	6	44593	45389	45423	45080	45399	45082	45202	45890	45198	45288	45707	45649	98.562
	7	45436	45189	45543	45063	44936	45965	45373	45892	45400	45409	46157	44976	98.823
	8	45489	45300	45137	45387	45386	45669	45855	45667	45359	44840	45314	45836	98.805
	9	46000	45665	44952	45809	45922	45082	45368	45446	44812	46114	45678	46272	99.146
	10	45603	46069	45491	45504	45675	45415	45661	45531	45568	45613	45167	45416	99.072
	11	45156	45369	45701	45473	45288	45965	45180	45313	45145	46278	45566	45972	99.017
	12	45653	45285	45732	44928	44985	46032	45478	45967	45197	45489	45827	45408	98.940
	13	45182	45257	45411	45479	45195	45272	45602	45607	45798	45350	45227	45393	98.721
	14	45553	44733	45493	45689	45649	45526	45759	44902	45742	45310	45888	46018	98.990
	15	45946	45940	45328	45613	45645	45499	45012	46011	46203	45504	45196	45721	99.236
	16	45544	46119	45775	45925	45836	45448	44838	45864	46134	45597	45959	45902	99.476
	17	45300	45409	45533	46076	46138	45992	45615	45083	45558	45587	45631	45596	99.218
	18	45781	45756	45300	45721	45580	45432	45142	45807	46024	45594	46262	45644	99.313
	19	46047	45822	45836	45240	45400	45729	45479	45047	45608	45034	45824	45555	99.056
	20	45169	45469	46111	45394	45570	45798	45719	46129	46230	46094	45979	45998	99.606
	21	45227	45949	45325	45724	46214	45629	45828	44849	46277	45950	45961	45869	99.451
	22	45872	45405	45604	45691	45696	45630	45869	45493	45422	45297	45240	45248	99.028
	23	45883	45446	45368	45415	45682	45396	45535	44952	45363	45308	46235	45603	98.977
20	0	46199	45269	45963	45434	45414	45816	45601	45906	45464	45466	45825	45504	99.283
	1	45641	45565	45258	46072	45713	45495	45340	45395	45984	45383	45806	46079	99.257
	2	45935	45148	45506	45435	46010	45640	46316	45673	45370	45633	45724	45528	99.290
	3	45721	45109	46357	45207	45751	45367	45165	45929	45657	45553	45387	45372	99.047
	4	46006	45742	45325	45072	45491	45690	45182	45465	45308	45663	45307	45306	98.863
	5	45476	45748	45584	45056	45502	45913	45285	45278	45788	45640	45215	46040	99.038
	6	45861	46147	45531	45310	45250	45737	45058	45366	45854	45719	45580	45501	99.109
	7	45528	45468	45685	46460	45311	45632	44958	45218	45668	45322	46001	45075	99.003
	8	45684	45346	45488	45971	44942	45656	45381	45392	45574	45394	45362	46386	99.047
	9	45889	45470	46373	45720	45645	45532	45245	45289	45411	45675	46128	45143	99.218
	10	45466	44573	45664	45314	45797	45347	45676	45806	46026	45466	45329	45618	98.958
	11	45559	45975	45632	45671	45753	45224	45882	45821	45892	45660	45607	45650	99.364
	12	44978	46089	45542	45913	44773	45092	45654	45820	46277	46098	45192	45863	99.177
	13	45455	45574	45901	45140	45974	45455	46282	45668	45721	45369	45999	45729	99.354
	14	46018	45530	45114	45886	45200	45402	44957	45414	45830	46382	45712	45655	99.142
	15	46342	45375	45808	45224	45989	45644	45847	45315	45663	45659	45926	45743	99.403
	16	45482	45943	45582	45671	45785	45864	45822	45892	45574	45247	46043	45101	99.307
	17	45512	45819	46253	44956	45973	46460	45738	45765	46039	45124	45460	46214	99.544
	18	45917	46087	45360	45027	45375	45136	44993	45406	45091	46265	46224	45980	99.099
	19	46002	46403	45687	45099	45506	46076	46146	46288	45927	45485	45903	45565	99.683
	20	45477	45574	46143	45790	45132	46081	45317	45570	45961	45241	45718	45518	99.219
	21	45550	45242	45606	46001	45655	45437	45867	45313	45559	45782	44789	45911	99.072
	22	45866	46189	45576	46161	45045	45590	45938	45572	46299	45871	44885	45995	99.484
	23	45386	45454	45805	45653	45630	45957	45324	45969	45886	45685	45560	45005	99.181

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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	45852	45409	46144	45858	45665	46069	46680	45400	45732	45627	46065	45311	99.635
	1	45367	45841	45837	46457	45917	44980	45320	46084	46664	46766	45661	46228	99.871
	2	45575	45541	44995	45829	45733	45483	45654	45583	45959	46008	45348	45716	99.201
	3	45958	45288	45810	44916	45563	45578	45582	45901	45649	45780	45074	46763	99.281
	4	45742	45900	46168	45298	45147	45362	45880	45549	45742	45037	46709	46085	99.417
	5	46310	45844	45525	45791	45589	45436	45684	45746	45695	45451	45740	45768	99.411
	6	45808	44937	46270	45838	45681	46139	46061	45517	46148	45064	45591	45690	99.440
	7	45978	45410	45814	45392	45552	45036	45162	45904	45859	46005	45611	46001	99.256
	8	45722	46077	45499	45846	45902	45706	46094	45452	45982	46052	45651	46165	99.695
	9	45811	45268	45312	45601	45552	45733	45992	46084	45689	45930	45967	45410	99.368
	10	45598	45881	45239	46325	46364	45503	46520	45899	45411	46279	46095	46079	99.884
	11	46340	45976	46277	46372	46367	46256	46073	45670	45546	46170	45909	45167	100.052
	12	45780	46049	45746	45834	45796	45607	45242	46525	45162	45985	46078	45326	99.510
	13	46476	46185	46198	45546	45362	45537	45466	45327	45336	46275	46384	45038	99.510
	14	46113	45345	45857	45252	45856	45689	45661	45568	45836	45817	45314	45690	99.305
	15	45835	46345	46063	45707	46147	46143	46634	45632	46022	46331	46181	45987	100.216
	16	45244	45822	46144	45927	45837	45609	45955	45348	45585	46152	45901	45824	99.550
	17	45920	46221	45322	45735	46131	45991	45982	46271	45805	45859	45358	46022	99.780
	18	45578	45997	45719	45799	45365	45736	45554	46505	46488	45587	45889	45549	99.625
	19	45980	45009	46019	45578	46070	45640	46202	45391	45865	46265	45976	45258	99.532
	20	45625	45931	45850	45631	45539	46540	46379	45759	45823	45826	45476	45929	99.724
	21	45667	45296	46145	45998	45328	45678	45359	45927	45533	45640	45492	45451	99.218
	22	45798	45785	45560	44971	46088	45726	45699	45457	45528	45322	45543	45271	99.079
	23	44819	45038	45338	45645	45544	45774	45243	45217	44854	45460	45355	45127	98.475
22	0	45543	46541	45416	46108	45434	45211	45388	45560	45474	45706	45745	45901	99.310
	1	45226	45918	45852	45262	45295	44972	45538	46162	45948	45580	45679	45946	99.193
	2	45831	45672	46082	45620	45633	45621	46203	46116	45800	45572	45664	46066	99.646
	3	46026	45457	45543	45850	45641	45775	46067	45802	45590	45599	45745	45435	99.402
	4	44779	45377	45654	45290	45569	46115	45023	45395	45434	45423	45983	45580	98.874
	5	45625	45748	45116	45513	45942	45118	45270	45720	46140	45079	45356	45333	98.936
	6	45675	45343	45264	45767	45418	45395	45895	45673	45287	45432	45799	45667	99.055
	7	45899	45820	45715	46049	45418	45521	45205	45726	46225	45729	45709	46012	99.492
	8	45686	45894	46005	45516	45594	45392	45784	46183	46446	45775	45658	45936	99.644
	9	46284	45834	45688	46111	45574	45936	45643	45786	45592	45941	45811	45775	99.663
	10	45235	46338	46092	45953	45933	45787	46200	45695	45880	45862	45786	46098	99.824
	11	46367	45583	46151	46104	45839	46242	46033	46167	45753	46362	46977	45812	100.283
	12	46240	45673	45934	45989	46004	45531	45801	45550	45775	46518	45910	45770	99.794
	13	45733	46000	45580	45684	45862	46022	45935	46066	46125	46291	45607	45736	99.784
	14	45515	45779	45245	45552	46147	45682	46214	46483	45666	45657	45847	45491	99.537
	15	45772	45953	46293	45974	46043	45727	46026	45658	45612	46054	45871	46207	99.883
	16	45656	46059	45469	45845	45653	45966	45708	45860	46337	46007	45908	46053	99.762
	17	45503	46341	46042	46192	45777	45979	46292	46262	46109	46203	45654	45911	100.078
	18	45908	46127	46200	45282	45498	46082	45905	45983	45935	45748	45394	46156	99.708
	19	46109	45773	46574	45900	46738	45850	45860	45839	45655	45706	45857	45684	99.948
	20	46452	45871	45644	45747	45548	45724	45492	46306	46451	45701	45638	45831	99.741
	21	45751	45504	45484	45698	45449	46224	45827	45652	45321	45615	45320	45755	99.233
	22	46016	45610	45664	45926	46055	45774	45848	46405	45488	45735	45871	45404	99.631
	23	46001	45791	45362	46140	45534	45582	45120	45424	45827	45336	45989	45965	99.318

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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	45188	45350	45145	45936	45624	45575	45327	45982	45668	45755	46167	45539	99.167
	1	46103	45426	45148	45430	45844	45569	45161	45677	45734	45539	45361	45686	99.066
	2	45444	45425	45063	45529	45172	45639	45781	46188	45109	44917	46170	45459	98.924
	3	45376	45758	45683	44954	45767	45841	45873	45508	46052	45819	45918	45535	99.320
	4	46440	45383	46017	45646	45646	45308	45437	46243	46115	45407	45736	46076	99.569
	5	45487	46239	46387	46066	45962	45486	46176	44986	45409	45983	45580	46240	99.668
	6	45627	44875	45681	45942	45565	46250	45581	46343	46449	45745	46067	45401	99.582
	7	45489	45520	46143	45754	45978	46025	45875	46427	45924	46045	45696	45996	99.826
	8	46031	46099	45705	46170	46110	45636	45977	46110	45935	46259	45958	46057	100.039
	9	45653	46393	45470	45905	46014	45604	46301	45513	46101	46573	46466	45341	99.910
	10	46186	45823	45641	46275	45598	45416	45987	46087	45582	46105	45655	45849	99.704
	11	45732	46519	46330	46136	45969	45963	46342	46208	46319	45342	46038	46185	100.227
	12	45375	45878	46475	46462	46264	46176	45608	45782	45840	46143	46171	46214	100.101
	13	46171	45433	45973	46199	46083	46233	45871	46514	45755	46184	45480	46231	100.053
	14	45868	46057	46350	45729	46162	45908	45796	45664	45610	45620	46063	46129	99.841
	15	46208	45733	46223	45748	46782	46054	45801	45578	46091	46855	45884	46181	100.236
	16	45663	46030	46507	45974	46367	45721	46006	46012	46535	45510	45782	45802	100.014
	17	45509	45543	45534	45861	45979	46099	45590	45599	45972	45825	46142	45825	99.573
	18	46178	45895	46205	46412	46060	45700	45601	46228	46378	45730	45295	46142	99.999
	19	46464	45334	46122	44984	45471	45675	46228	45782	45871	46494	45705	45959	99.684
	20	45458	45486	45347	45274	46061	45697	45338	45593	45634	45995	45597	45609	99.140
	21	44884	45460	45372	45428	46414	45298	45943	45909	45148	45856	45512	45835	99.135
	22	45523	45551	45759	46078	45530	45425	45601	45891	46185	44727	45680	45458	99.198
	23	45292	45747	45311	44891	45315	45619	45754	45130	46193	45258	45819	45642	98.937
24	0	45560	45169	45767	45416	45490	46236	45141	45271	45579	45729	45604	45447	99.015
	1	45797	45565	45350	46104	45580	45393	45335	45800	45430	45822	45412	45627	99.163
	2	45773	45196	45608	45720	45441	45843	45166	45664	45859	45589	45549	45325	99.076
	3	45841	45631	45440	45802	45748	45784	45786	46350	45969	46069	46123	45816	99.733
	4	45416	45434	46312	45897	45587	45746	45448	45636	45770	45602	45320	45699	99.281
	5	45815	45653	45328	45615	46025	45788	45674	45764	45295	45877	45993	45928	99.442
	6	45295	45518	45591	45344	44805	45629	45227	46043	45847	45502	45841	45550	98.977
	7	45974	45200	45853	45926	45570	45702	45259	46138	45414	45330	45432	45851	99.242
	8	45333	45778	45556	46222	45414	45358	46070	45461	45009	45743	45315	45564	99.092
	9	45585	45754	46171	45924	46116	45023	45309	45376	45338	45548	45115	45423	99.066
	10	45455	45589	45912	46017	45999	45624	45464	46258	46049	45887	46098	46058	99.743
	11	45997	46209	45903	46358	46445	45520	46665	45574	45783	45609	46062	45646	99.988
	12	46073	45565	45946	46076	45794	46209	45988	46195	46018	45595	45667	46051	99.881
	13	46117	45288	46132	45986	45281	45960	46228	46249	45965	46254	46572	45826	100.004
	14	45724	46145	46201	46170	46046	45914	45807	46609	46162	45509	46210	45368	100.006
	15	45629	45700	46063	46609	45693	45753	45972	45682	45801	45986	46056	45908	99.822
	16	45610	46376	45670	45695	46403	45765	45445	45612	46308	45517	46119	46138	99.787
	17	45420	46153	46048	45896	45512	44750	45880	45783	45189	45494	46259	45576	99.298
	18	46802	45803	46185	45800	45897	46117	45641	45547	46213	45636	46175	45814	99.964
	19	45961	45791	46072	46393	45730	45455	46417	45183	46263	46116	46181	45472	99.855
	20	46257	45864	45637	45620	45570	46435	46834	46005	45663	46025	45806	46239	100.022
	21	45512	46084	45904	45506	45839	45789	45666	45791	45557	45908	45746	45922	99.527
	22	46087	46024	45389	45826	45537	45514	45744	45563	46052	45643	45351	45824	99.406
	23	45138	44867	46084	45197	45427	45409	45264	45387	45708	45532	45957	46405	99.011

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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	46202	45608	45257	45842	45443	45407	45697	45513	45321	46910	46070	45654	99.470	
	1	45624	45985	45728	45756	45788	46062	45551	45559	45309	45875	45242	46100	99.410	
	2	45932	45645	45857	45681	45970	45685	46394	45478	45738	45920	45779	45462	99.585	
	3	45905	45633	45428	46304	45663	46590	45149	46293	45649	45227	45217	45934	99.485	
	4	45649	45345	46053	45918	45888	46005	46322	45668	45304	45915	45602	45437	99.506	
	5	45503	46283	45290	46096	45947	46058	45799	45819	45154	45947	45600	45167	99.426	
	6	45447	45656	46461	45902	45659	45567	46169	46430	45545	45669	46051	45714	99.717	
	7	45991	45888	46887	45983	46081	46200	46427	45298	46115	45723	45649	46089	100.091	
	8	45907	46197	46469	46646	46123	45789	46407	45772	45711	45795	45898	46065	100.171	
	9	46194	46473	46486	45991	46738	46172	45963	45605	45946	45869	45958	46291	100.336	
	10	46418	45899	46346	46127	45748	45964	46233	45570	45819	46468	46583	45987	100.240	
	11	46507	46049	45917	45715	45570	45924	45923	46331	45815	45932	46122	46124	100.018	
	12	45582	46416	45889	45785	45678	46074	46080	45823	46365	46112	46255	46481	100.128	
	13	45561	46407	45374	45821	46262	45928	45979	45715	45295	45743	46106	45442	99.601	
	14	45813	46264	45808	45610	45782	45941	45452	45383	46157	46316	45512	45937	99.663	
	15	45651	45751	46416	46070	45810	45197	46269	46199	45480	45498	45607	46472	99.744	
	16	45810	46229	46409	46439	46131	46489	46186	45045	46091	45838	45982	46319	100.206	
	17	45728	46074	45455	45822	46124	45725	45188	45781	45666	45797	45872	45813	99.495	
	18	45579	45924	45853	45578	46391	45816	46408	44898	45929	46250	46320	46092	99.855	
	19	46076	45397	46121	46062	45721	45651	45896	45576	45935	45719	46611	45734	99.758	
	20	46044	45870	45941	46827	45769	45956	46172	46027	45885	46017	45935	45884	100.090	
	21	45871	45547	45529	45495	46190	46090	46259	45712	46034	45520	46130	45797	99.699	
	22	45726	45496	45875	46261	45575	45408	46048	45199	46117	46227	45619	45680	99.528	
	23	45644	45798	45464	45514	45775	46145	45811	45735	46370	45906	45566	45538	99.535	
26	0	45671	46462	45476	46124	46186	45595	45623	44945	45601	46023	46312	45422	99.561	
	1	45578	45705	45517	46617	46398	45459	45389	45630	45819	46095	46399	45405	99.670	
	2	45485	45932	45592	45828	45660	45810	45473	45510	45444	45681	45787	46804	99.488	
	3	45614	45304	45486	46251	45648	46177	45558	45920	46447	45961	46195	45051	99.597	
	4	45221	44834	45791	45664	45096	46217	46436	45206	45583	45384	45983	45073	99.032	
	5	45518	45514	45570	46064	46058	46376	46038	45428	45553	46131	44954	46391	99.594	
	6	45699	45782	45381	45914	46037	45755	45990	45794	45292	45960	45749	46079	99.565	
	7	46266	46193	45633	46115	46204	45984	46183	45821	46270	46083	45510	45638	100.012	
	8	46057	45287	45647	46185	45694	45892	45639	45863	45821	45025	45931	46019	99.498	
	9	45564	45722	45492	45667	44860	45604	45494	45636	46085	45857	44828	45565	99.011	
	10	46437	46030	45501	46387	45626	45471	45282	46023	45372	45548	46341	46073	99.684	
	11	46280	45938	46166	45395	46396	46340	45822	45880	45807	45319	46011	45502	99.823	
	12	45875	45837	45722	45433	45495	46284	45605	46002	45807	45467	45684	45553	99.444	
	13	45426	45651	45713	46143	46152	45751	45520	45514	45741	46033	46575	45843	99.679	
	14	45601	45671	46015	45211	46270	46058	45645	45378	45704	45755	46268	46099	99.609	
	15	46052	46117	45518	46168	45595	46122	46526	46189	46049	45963	46018	45557	100.008	
	16	45562	45819	45442	46042	45565	46086	46051	46201	45560	46474	46197	45764	99.806	
	17	45643	45841	45991	45474	45630	45658	46347	45604	45207	45887	45716	45331	99.365	
	18	45773	46021	45586	45425	45400	45670	45853	46142	46006	45491	46581	46019	99.662	
	19	45847	45895	45858	45772	45783	46382	45088	46303	45782	45657	45439	45718	99.582	
	20	46061	45253	45648	46066	45583	45622	45526	45729	45573	46228	45597	46297	99.520	
	21	45697	45403	45849	46038	45558	45547	45692	45674	45623	45373	45626	45764	99.277	
	22	45115	45817	45669	45450	46013	45846	45801	46513	45721	45241	45821	45617	99.418	
	23	45493	46036	45729	45802	45658	45399	45845	45497	45575	45553	45302	45842	99.257	

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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	45081	45556	45798	45299	45927	46003	46119	45293	45517	45582	45182	45711	99.133
	1	45351	45569	45869	45439	45609	45265	46318	45564	45826	45495	45782	45600	99.248
	2	45446	45137	45514	45820	45898	45755	45831	45120	45695	45287	45554	46057	99.145
	3	45419	45841	45278	45635	45774	46068	45685	45750	45558	45634	45533	45431	99.234
	4	45877	45783	45630	45927	45038	45835	45293	45375	45593	45581	45596	46251	99.265
	5	46262	45181	45837	45623	45284	45999	45814	45769	45370	45398	45949	45903	99.376
	6	45907	45671	45983	45357	45421	46164	45747	45231	45632	46509	45453	45534	99.416
	7	46409	45829	45239	46560	45965	45356	45921	45565	45483	45740	45478	45605	99.514
	8	45485	45485	45973	45404	46348	45511	45673	45081	45904	45765	44918	45704	99.170
	9	44916	45914	45674	45570	45767	45915	46122	46078	45246	44946	45845	45922	99.290
	10	45626	46039	45459	45523	45725	45688	45824	45437	45754	45793	45561	45705	99.330
	11	45368	45954	45365	45831	45346	45707	45915	45497	45499	45454	45916	45597	99.206
	12	46023	45959	45812	45560	45482	46138	45557	46171	45077	45827	46101	45992	99.613
	13	46063	46281	46402	45322	45800	46318	45434	46358	46156	46042	46278	45458	100.014
	14	46330	45760	45813	45515	46037	45618	46165	45558	46005	45706	46485	45574	99.771
	15	45572	45402	46108	45646	45992	45875	46150	45960	45610	45592	45812	45691	99.561
	16	45916	45585	45652	45861	45737	46105	46385	45626	45484	45507	45383	45915	99.515
	17	45950	46356	45907	46372	45224	45982	45923	46100	45883	46038	45361	45466	99.770
	18	46048	45806	45470	46005	45927	45984	46435	45867	45542	45404	46071	46101	99.787
	19	46708	45432	45464	46169	46117	46003	45919	46184	46323	45682	45680	46005	99.974
	20	46228	45676	46082	46111	46251	45933	45844	46126	46188	45749	46029	45595	99.996
	21	45999	45746	45793	46168	45686	45767	45707	45436	45434	45656	45879	45587	99.461
	22	46147	46141	45998	46376	45774	45625	46451	45909	45775	45903	46291	45651	100.038
	23	46046	45572	46536	45936	46090	46253	46121	45508	45564	45605	45410	45684	99.727
28	0	45482	45938	46060	46039	45804	46108	46105	45426	46044	45483	45752	46012	99.712
	1	46308	45888	45881	45692	46083	45450	45676	46379	46322	45603	45869	45917	99.861
	2	45560	46543	45504	46038	45515	45809	45279	45941	45409	46117	46452	45826	99.667
	3	45352	45370	45338	46214	45934	46076	44883	45610	45998	45605	45132	45783	99.178
	4	45763	46019	46199	45550	45465	45504	45948	46009	45742	45921	46175	46250	99.767
	5	45122	45523	45435	45723	45395	45570	45762	45476	45680	45261	45563	45639	98.970
	6	45895	45989	45762	45202	45794	45000	45581	45322	45208	45694	45579	45791	99.091
	7	45679	45719	45904	45480	45310	45672	45594	45923	45827	46237	45670	44993	99.307
	8	45646	45514	45496	45437	45830	45684	45887	45884	46093	45724	45430	45440	99.317
	9	45535	45326	45660	45739	45636	45598	45918	46567	46392	45578	45913	45872	99.620
	10	45669	45844	46138	45942	46455	45872	45710	45318	45983	46090	45527	45955	99.759
	11	46318	46468	45654	45967	45612	45769	45784	45837	46010	45584	46333	46259	99.957
	12	46749	44938	46290	45861	45935	46421	45870	45930	45960	46063	45793	45745	99.949
	13	45671	45717	45499	46407	45899	45763	45942	45718	45477	46063	45745	46060	99.661
	14	46289	45691	45731	45641	45875	45420	45380	45062	46034	45745	45977	45817	99.426
	15	46479	45667	46107	45841	45896	45744	46123	45804	46115	46151	45149	45838	99.834
	16	46091	45042	45262	45837	45906	46169	46082	45762	46073	46320	45338	46104	99.665
	17	45446	45571	45797	46292	45693	46243	46119	46009	46172	45785	45672	45381	99.700
	18	46398	46010	45898	45692	46181	46004	45665	46392	45809	45999	45377	45999	99.926
	19	46002	45644	45647	45853	45775	46748	46351	46258	45866	46278	46386	46224	100.217
	20	45822	45942	45990	45620	45472	45966	45800	46175	46454	46204	46320	46165	100.018
	21	45647	46382	45866	45934	45864	45491	45085	45844	45711	45731	46286	46248	99.684
	22	45672	45910	46109	46567	45294	45847	45989	46570	45640	45676	45783	46015	99.862
	23	46362	45668	45932	45824	45964	46269	46215	45640	46033	45427	46102	45752	99.883



INAF/UNIromaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - September 2013									20 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
29	0	46121	45976	45541	45607	46015	46097	45978	45749	46120	46024	45808	46234	99.905
	1	46022	46057	46068	45959	45444	45745	46310	46265	46392	45608	46059	45544	99.935
	2	45806	45765	46297	45686	45700	46019	46185	45225	45916	46187	45729	46401	99.834
	3	46231	46350	45751	45555	45977	46074	45837	45866	46070	46303	45431	46290	99.982
	4	46403	45614	44987	45427	45927	45473	45608	45786	45847	45917	45380	45777	99.332
	5	44813	46326	45826	45316	45081	45085	45105	45081	45960	45745	45392	45679	98.836
	6	45811	45902	45595	46162	45228	44960	45129	45573	45507	45566	45900	46039	99.192
	7	46219	45267	45420	45801	46162	45890	45626	46029	45587	45799	45838	45955	99.594
	8	45533	45643	45743	45421	45360	45127	45624	45822	45826	45557	45635	45299	99.050
	9	45668	46323	45003	45955	45565	45866	45275	45379	45506	45459	46232	45420	99.242
	10	45920	45580	45729	45417	46115	46021	45327	45582	46656	45548	46058	45949	99.651
	11	46004	45516	45898	45847	45922	45785	45630	45288	45512	45924	45800	45347	99.391
	12	45711	45571	45863	45581	45669	45845	45886	45818	45386	45875	45488	45550	99.350
	13	45799	45396	46031	45618	45319	46178	46402	45682	45870	45804	45498	45472	99.499
	14	45951	45758	46116	45548	45544	45851	45356	45445	46179	45104	46087	46304	99.531
	15	46256	45507	45763	45852	45451	45712	45979	45691	45787	45807	45657	45694	99.515
	16	45982	45974	45751	46662	45759	45650	45536	45827	46246	45290	45744	45960	99.737
	17	46350	45828	45649	45942	45654	45553	45438	45587	45824	45715	46075	46224	99.639
	18	46227	45957	45777	45561	45785	45941	46378	45921	46221	45946	45955	46054	99.980
	19	46072	45805	46451	45104	45767	45914	46053	46421	45631	45755	45716	46008	99.794
	20	45712	46399	46476	46569	45457	46146	46370	45800	45736	46465	46510	46751	100.464
	21	45738	46181	45764	45950	46199	46434	46258	45665	45345	46244	46385	46568	100.163
	22	46436	46141	46652	46272	45823	45625	46089	46118	45997	45948	46303	45988	100.282
	23	46167	45463	46191	45143	45580	45301	45817	46043	45223	45609	46291	46464	99.539
30	0	45352	45636	46071	45643	45536	46226	45584	45885	46092	45750	45697	46151	99.593
	1	45178	45765	45810	45482	45131	45690	45828	45776	45199	46043	45682	45436	99.128
	2	45447	45899	45313	46185	45371	45043	45305	45262	45382	45779	45489	45543	98.946
	3	45782	45322	45096	45544	45474	46022	45284	46026	45348	45421	45571	45454	99.005
	4	45714	45870	46043	45766	45246	46033	45422	45476	45180	46407	45142	45834	99.330
	5	45278	45503	45959	45612	45870	45808	45637	45479	45606	45250	45753	45914	99.245
	6	45400	45575	45683	45496	45501	45980	45770	45621	45354	45596	45667	44977	99.055
	7	45591	45918	45389	45891	45626	45368	45452	45727	45963	46343	45324	45433	99.310
	8	45695	46271	45226	44679	45689	45678	45754	46296	45771	45291	45411	45409	99.155
	9	45360	44871	45814	46648	45620	45288	45639	46290	45651	46193	45725	45858	99.479
	10	46001	46164	45463	45972	45892	45841	45486	45426	45483	45948	45251	46283	99.525
	11	45918	45562	46142	45959	45809	45775	45362	45818	46132	45447	45341	46160	99.564
	12	46210	46022	45872	45253	45619	46010	45577	45448	45614	46186	45632	45923	99.553
	13	45724	45526	46141	45637	45704	45930	46127	45359	45929	46140	45848	45765	99.637
	14	46057	46201	46742	45906	46532	45707	46715	45714	45858	46235	45240	46005	100.196
	15	45424	45598	45585	45894	46398	45683	46509	45978	46201	46244	45913	46313	99.983
	16	46365	45809	45679	46125	46196	45714	45833	45891	45761	46427	46347	46304	100.112
	17	45894	45910	46129	45547	46551	46076	45563	45323	45787	46403	45741	46344	99.898
	18	45654	46233	45869	46273	45678	46121	45433	46395	46089	45801	45832	45447	99.817
	19	46121	45983	46096	45807	45804	46002	45914	45707	45770	45686	46291	45372	99.768
	20	45420	46087	45951	45860	46060	45991	45571	45788	45948	45916	45555	45845	99.667
	21	46068	45868	45839	45598	45601	45718	46004	45888	46039	45680	45972	45820	99.685
	22	45327	45476	45749	45638	45371	45657	45368	45636	45285	45399	45797	45219	98.929
	23	45815	45827	45373	45032	45463	45561	45710	46215	45890	45883	46171	45621	99.407

S.V.I.R.CO. Observatory - Pressure in hectoPascal – September 2013

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	1016.13	1016.14	1016.13	1016.12	1016.12	1016.11	1016.08	1016.05	1016.02	1016.01	1016.00	1015.99	1016.07
	1	1015.96	1015.93	1015.93	1015.92	1015.86	1015.79	1015.77	1015.79	1015.80	1015.79	1015.74	1015.70	1015.83
	2	1015.69	1015.68	1015.65	1015.61	1015.58	1015.58	1015.58	1015.54	1015.52	1015.52	1015.51	1015.49	1015.58
	3	1015.45	1015.40	1015.37	1015.37	1015.36	1015.36	1015.37	1015.38	1015.35	1015.32	1015.36	1015.42	1015.37
	4	1015.44	1015.44	1015.42	1015.40	1015.40	1015.44	1015.49	1015.51	1015.52	1015.56	1015.62	1015.67	1015.49
	5	1015.67	1015.63	1015.67	1015.72	1015.74	1015.75	1015.78	1015.81	1015.84	1015.88	1015.92	1015.93	1015.77
	6	1015.93	1015.97	1016.00	1015.99	1015.97	1016.00	1016.03	1016.08	1016.12	1016.12	1016.12	1016.11	1016.03
	7	1016.14	1016.20	1016.23	1016.22	1016.23	1016.27	1016.30	1016.35	1016.42	1016.46	1016.49	1016.54	1016.32
	8	1016.57	1016.62	1016.68	1016.73	1016.75	1016.77	1016.79	1016.78	1016.77	1016.75	1016.68	1016.64	1016.71
	9	1016.61	1016.55	1016.53	1016.54	1016.54	1016.55	1016.54	1016.54	1016.55	1016.55	1016.51	1016.47	1016.54
	10	1016.46	1016.42	1016.38	1016.34	1016.29	1016.26	1016.25	1016.21	1016.15	1016.10	1016.06	1016.03	1016.24
	11	1015.99	1015.98	1015.98	1015.98	1016.06	1016.10	1016.08	1016.05	1016.05	1016.06	1015.99	1015.97	1016.02
	12	1015.97	1015.94	1015.92	1015.86	1015.76	1015.71	1015.70	1015.65	1015.64	1015.63	1015.57	1015.52	1015.74
	13	1015.48	1015.46	1015.42	1015.44	1015.45	1015.38	1015.31	1015.26	1015.25	1015.23	1015.18	1015.16	1015.33
	14	1015.17	1015.16	1015.14	1015.14	1015.13	1015.13	1015.12	1015.07	1015.04	1015.06	1015.08	1015.10	1015.11
	15	1015.14	1015.17	1015.20	1015.20	1015.17	1015.17	1015.19	1015.21	1015.25	1015.29	1015.29	1015.26	1015.21
	16	1015.21	1015.17	1015.14	1015.10	1015.09	1015.10	1015.08	1015.05	1015.07	1015.11	1015.12	1015.13	1015.11
	17	1015.13	1015.12	1015.16	1015.22	1015.26	1015.30	1015.36	1015.43	1015.51	1015.58	1015.65	1015.74	1015.37
	18	1015.82	1015.89	1015.97	1016.07	1016.16	1016.23	1016.31	1016.40	1016.49	1016.52	1016.51	1016.54	1016.24
	19	1016.59	1016.64	1016.70	1016.72	1016.69	1016.68	1016.70	1016.68	1016.69	1016.77	1016.79	1016.80	1016.70
	20	1016.86	1016.92	1016.97	1017.03	1017.08	1017.13	1017.19	1017.25	1017.29	1017.30	1017.28	1017.25	1017.13
	21	1017.19	1017.14	1017.12	1017.13	1017.14	1017.16	1017.19	1017.18	1017.14	1017.10	1017.09	1017.08	1017.14
	22	1017.07	1017.09	1017.09	1017.07	1017.08	1017.07	1017.05	1017.03	1017.03	1017.05	1017.07	1017.10	1017.07
	23	1017.10	1017.10	1017.12	1017.12	1017.11	1017.09	1017.07	1017.07	1017.06	1017.02	1017.00	1017.00	1017.07
2	0	1016.93	1016.92	1016.91	1016.92	1016.90	1016.87	1016.85	1016.86	1016.88	1016.88	1016.86	1016.89	1016.88
	1	1016.90	1016.90	1016.93	1016.92	1016.89	1016.90	1016.94	1016.98	1017.00	1017.01	1017.00	1016.96	1016.94
	2	1016.92	1016.88	1016.85	1016.86	1016.87	1016.90	1016.92	1016.92	1016.94	1016.94	1016.94	1016.95	1016.90
	3	1016.95	1016.94	1016.92	1016.90	1016.88	1016.87	1016.87	1016.87	1016.92	1016.96	1016.99	1017.00	1016.92
	4	1017.01	1017.03	1017.05	1017.07	1017.08	1017.11	1017.16	1017.22	1017.27	1017.30	1017.33	1017.38	1017.17
	5	1017.42	1017.45	1017.49	1017.54	1017.61	1017.66	1017.69	1017.73	1017.78	1017.81	1017.84	1017.87	1017.66
	6	1017.90	1017.92	1017.95	1017.96	1017.95	1017.98	1018.01	1018.05	1018.07	1018.08	1018.10	1018.10	1018.00
	7	1018.09	1018.11	1018.18	1018.24	1018.25	1018.25	1018.27	1018.29	1018.31	1018.32	1018.35	1018.38	1018.25
	8	1018.43	1018.47	1018.51	1018.54	1018.54	1018.55	1018.60	1018.66	1018.71	1018.73	1018.73	1018.73	1018.60
	9	1018.75	1018.78	1018.78	1018.77	1018.77	1018.77	1018.76	1018.72	1018.68	1018.66	1018.62	1018.57	1018.72
	10	1018.55	1018.53	1018.50	1018.46	1018.45	1018.44	1018.39	1018.35	1018.33	1018.32	1018.31	1018.29	1018.41
	11	1018.27	1018.22	1018.16	1018.11	1018.07	1018.04	1018.01	1017.98	1017.98	1017.98	1018.00	1018.01	1018.07
	12	1017.98	1017.91	1017.84	1017.80	1017.76	1017.74	1017.69	1017.65	1017.63	1017.59	1017.56	1017.52	1017.72
	13	1017.51	1017.52	1017.52	1017.51	1017.48	1017.46	1017.44	1017.42	1017.40	1017.39	1017.39	1017.37	1017.45
	14	1017.35	1017.31	1017.27	1017.26	1017.25	1017.25	1017.22	1017.20	1017.22	1017.23	1017.24	1017.27	1017.25
	15	1017.31	1017.34	1017.37	1017.37	1017.37	1017.39	1017.41	1017.44	1017.47	1017.48	1017.47	1017.48	1017.40
	16	1017.49	1017.51	1017.52	1017.54	1017.57	1017.58	1017.62	1017.61	1017.58	1017.62	1017.68	1017.71	1017.59
	17	1017.72	1017.72	1017.75	1017.80	1017.85	1017.91	1017.99	1018.05	1018.10	1018.16	1018.20	1018.21	1017.95
	18	1018.22	1018.25	1018.26	1018.29	1018.33	1018.34	1018.37	1018.44	1018.50	1018.57	1018.64	1018.69	1018.41
	19	1018.76	1018.86	1018.93	1019.00	1019.04	1019.07	1019.11	1019.16	1019.23	1019.28	1019.33	1019.35	1019.09
	20	1019.36	1019.39	1019.43	1019.47	1019.51	1019.57	1019.62	1019.66	1019.69	1019.71	1019.76	1019.81	1019.58
	21	1019.86	1019.89	1019.90	1019.89	1019.88	1019.90	1019.93	1019.95	1019.98	1020.01	1020.01	1019.99	1019.93
	22	1019.98	1019.97	1019.97	1019.99	1020.03	1020.04	1020.05	1020.08	1020.08	1020.08	1020.09	1020.07	1020.03
	23	1020.00	1019.95	1019.93	1019.93	1019.96	1019.98	1019.98	1019.96	1019.92	1019.88	1019.85	1019.83	1019.93

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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	1019.79	1019.81	1019.82	1019.79	1019.79	1019.82	1019.83	1019.83	1019.84	1019.85	1019.82	1019.78	1019.81
	1	1019.75	1019.75	1019.75	1019.72	1019.70	1019.70	1019.72	1019.73	1019.73	1019.72	1019.72	1019.70	1019.72
	2	1019.65	1019.65	1019.70	1019.75	1019.76	1019.72	1019.68	1019.69	1019.67	1019.63	1019.64	1019.69	1019.68
	3	1019.72	1019.71	1019.72	1019.76	1019.75	1019.73	1019.75	1019.80	1019.86	1019.88	1019.90	1019.93	1019.79
	4	1019.94	1019.92	1019.91	1019.94	1019.97	1020.01	1020.06	1020.12	1020.17	1020.18	1020.21	1020.26	1020.06
	5	1020.31	1020.34	1020.37	1020.36	1020.29	1020.29	1020.33	1020.40	1020.49	1020.53	1020.54	1020.57	1020.40
	6	1020.59	1020.58	1020.58	1020.59	1020.58	1020.57	1020.58	1020.60	1020.65	1020.66	1020.65	1020.68	1020.61
	7	1020.70	1020.71	1020.73	1020.74	1020.78	1020.83	1020.88	1020.91	1020.95	1020.95	1020.93	1020.94	1020.84
	8	1020.93	1020.94	1020.97	1020.97	1020.98	1021.01	1021.03	1021.05	1021.11	1021.13	1021.11	1021.11	1021.03
	9	1021.09	1021.07	1021.09	1021.12	1021.15	1021.14	1021.15	1021.18	1021.18	1021.14	1021.12	1021.14	1021.13
	10	1021.13	1021.10	1021.08	1021.06	1021.04	1021.04	1021.02	1021.00	1020.99	1020.94	1020.92	1020.90	1021.02
	11	1020.88	1020.86	1020.86	1020.82	1020.74	1020.69	1020.66	1020.62	1020.57	1020.50	1020.49	1020.50	1020.68
	12	1020.47	1020.44	1020.40	1020.34	1020.25	1020.12	1020.06	1020.05	1020.03	1020.01	1019.98	1019.91	1020.17
	13	1019.84	1019.80	1019.79	1019.79	1019.75	1019.72	1019.73	1019.76	1019.76	1019.73	1019.69	1019.68	1019.75
	14	1019.66	1019.61	1019.56	1019.51	1019.50	1019.49	1019.50	1019.50	1019.48	1019.47	1019.46	1019.47	1019.51
	15	1019.49	1019.47	1019.47	1019.49	1019.52	1019.53	1019.52	1019.53	1019.54	1019.54	1019.55	1019.57	1019.52
	16	1019.58	1019.59	1019.57	1019.52	1019.48	1019.47	1019.47	1019.48	1019.48	1019.51	1019.54	1019.54	1019.52
	17	1019.57	1019.66	1019.70	1019.70	1019.73	1019.78	1019.82	1019.84	1019.87	1019.90	1019.95	1020.01	1019.79
	18	1020.07	1020.10	1020.12	1020.15	1020.18	1020.21	1020.27	1020.35	1020.40	1020.42	1020.45	1020.48	1020.26
	19	1020.50	1020.53	1020.54	1020.55	1020.59	1020.65	1020.68	1020.72	1020.76	1020.77	1020.77	1020.78	1020.65
	20	1020.79	1020.80	1020.82	1020.86	1020.90	1020.92	1020.92	1020.93	1020.97	1021.01	1021.00	1020.96	1020.90
	21	1020.94	1020.95	1020.94	1020.94	1020.92	1020.88	1020.82	1020.81	1020.80	1020.79	1020.83	1020.86	1020.87
	22	1020.85	1020.85	1020.88	1020.92	1020.92	1020.90	1020.89	1020.88	1020.85	1020.80	1020.78	1020.78	1020.86
	23	1020.77	1020.75	1020.74	1020.72	1020.69	1020.68	1020.69	1020.68	1020.67	1020.68	1020.71	1020.71	1020.71
4	0	1020.67	1020.66	1020.61	1020.56	1020.57	1020.63	1020.65	1020.60	1020.54	1020.54	1020.57	1020.60	1020.59
	1	1020.66	1020.70	1020.70	1020.69	1020.70	1020.73	1020.74	1020.73	1020.71	1020.70	1020.70	1020.71	1020.70
	2	1020.73	1020.75	1020.74	1020.75	1020.80	1020.84	1020.83	1020.80	1020.80	1020.82	1020.84	1020.84	1020.79
	3	1020.81	1020.78	1020.76	1020.75	1020.75	1020.76	1020.80	1020.84	1020.86	1020.87	1020.85	1020.82	1020.80
	4	1020.83	1020.89	1020.93	1020.93	1020.95	1020.95	1020.93	1020.97	1021.01	1021.04	1021.08	1021.11	1020.97
	5	1021.15	1021.19	1021.19	1021.18	1021.23	1021.28	1021.30	1021.33	1021.36	1021.36	1021.34	1021.33	1021.27
	6	1021.36	1021.37	1021.35	1021.33	1021.30	1021.29	1021.29	1021.27	1021.24	1021.23	1021.22	1021.26	1021.29
	7	1021.27	1021.24	1021.25	1021.25	1021.20	1021.16	1021.13	1021.12	1021.11	1021.09	1021.09	1021.13	1021.17
	8	1021.15	1021.17	1021.16	1021.13	1021.16	1021.22	1021.25	1021.27	1021.25	1021.23	1021.22	1021.21	1021.20
	9	1021.19	1021.16	1021.12	1021.07	1021.04	1021.02	1020.99	1020.98	1020.98	1020.97	1020.97	1020.96	1021.03
	10	1020.96	1020.94	1020.89	1020.84	1020.80	1020.76	1020.70	1020.63	1020.57	1020.50	1020.42	1020.34	1020.69
	11	1020.27	1020.21	1020.15	1020.10	1020.08	1020.04	1019.98	1019.92	1019.85	1019.77	1019.71	1019.65	1019.98
	12	1019.58	1019.50	1019.42	1019.34	1019.25	1019.15	1019.08	1019.03	1018.98	1018.91	1018.85	1018.82	1019.16
	13	1018.79	1018.75	1018.68	1018.62	1018.58	1018.52	1018.50	1018.51	1018.52	1018.55	1018.57	1018.54	1018.59
	14	1018.52	1018.53	1018.50	1018.48	1018.46	1018.43	1018.42	1018.46	1018.50	1018.47	1018.45	1018.46	1018.47
	15	1018.45	1018.40	1018.35	1018.33	1018.31	1018.28	1018.25	1018.20	1018.13	1018.08	1018.08	1018.10	1018.24
	16	1018.11	1018.12	1018.14	1018.12	1018.13	1018.15	1018.15	1018.15	1018.15	1018.18	1018.24	1018.27	1018.16
	17	1018.24	1018.27	1018.34	1018.37	1018.39	1018.40	1018.40	1018.42	1018.43	1018.41	1018.43	1018.47	1018.38
	18	1018.49	1018.51	1018.52	1018.54	1018.59	1018.62	1018.61	1018.62	1018.65	1018.66	1018.68	1018.71	1018.60
	19	1018.72	1018.71	1018.72	1018.75	1018.76	1018.75	1018.73	1018.75	1018.76	1018.74	1018.72	1018.73	1018.74
	20	1018.75	1018.74	1018.73	1018.75	1018.78	1018.80	1018.78	1018.79	1018.84	1018.85	1018.81	1018.79	1018.78
	21	1018.81	1018.81	1018.81	1018.83	1018.84	1018.82	1018.81	1018.81	1018.80	1018.73	1018.67	1018.66	1018.78
	22	1018.62	1018.56	1018.54	1018.53	1018.50	1018.46	1018.45	1018.43	1018.41	1018.42	1018.41	1018.38	1018.47
	23	1018.37	1018.34	1018.30	1018.28	1018.27	1018.20	1018.13	1018.07	1018.05	1018.05	1018.07	1018.05	1018.18

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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	1018.02	1018.02	1018.01	1017.98	1017.93	1017.88	1017.84	1017.83	1017.80	1017.76	1017.72	1017.65	1017.86
	1	1017.58	1017.56	1017.55	1017.56	1017.58	1017.58	1017.55	1017.49	1017.45	1017.42	1017.39	1017.35	1017.50
	2	1017.29	1017.25	1017.29	1017.33	1017.32	1017.30	1017.24	1017.16	1017.11	1017.11	1017.11	1017.06	1017.21
	3	1016.99	1016.94	1016.91	1016.85	1016.74	1016.69	1016.72	1016.70	1016.67	1016.68	1016.69	1016.67	1016.77
	4	1016.68	1016.72	1016.72	1016.72	1016.73	1016.71	1016.71	1016.72	1016.72	1016.73	1016.74	1016.73	1016.72
	5	1016.72	1016.73	1016.74	1016.76	1016.75	1016.73	1016.75	1016.77	1016.75	1016.72	1016.72	1016.73	1016.74
	6	1016.71	1016.67	1016.62	1016.58	1016.57	1016.58	1016.62	1016.65	1016.66	1016.67	1016.69	1016.70	1016.64
	7	1016.69	1016.70	1016.72	1016.76	1016.79	1016.76	1016.73	1016.70	1016.68	1016.66	1016.66	1016.68	1016.71
	8	1016.71	1016.73	1016.74	1016.74	1016.76	1016.79	1016.82	1016.84	1016.82	1016.74	1016.64	1016.55	1016.74
	9	1016.46	1016.41	1016.38	1016.33	1016.27	1016.22	1016.16	1016.10	1015.99	1015.88	1015.76	1015.63	1016.13
	10	1015.56	1015.51	1015.42	1015.30	1015.17	1015.08	1015.05	1015.05	1015.03	1014.96	1014.85	1014.73	1015.14
	11	1014.71	1014.71	1014.66	1014.64	1014.60	1014.53	1014.49	1014.46	1014.45	1014.40	1014.30	1014.24	1014.51
	12	1014.24	1014.20	1014.16	1014.15	1014.14	1014.13	1014.14	1014.14	1014.09	1014.04	1014.06	1014.07	1014.13
	13	1014.04	1014.03	1014.03	1014.04	1014.06	1014.05	1014.03	1014.01	1014.01	1013.98	1013.95	1013.93	1014.01
	14	1013.93	1013.96	1013.98	1013.97	1013.96	1013.95	1013.96	1013.98	1013.95	1013.88	1013.89	1013.96	1013.94
	15	1013.97	1013.95	1013.95	1013.97	1013.96	1013.89	1013.85	1013.86	1013.81	1013.73	1013.65	1013.57	1013.85
	16	1013.52	1013.47	1013.40	1013.34	1013.32	1013.31	1013.33	1013.35	1013.37	1013.38	1013.38	1013.38	1013.38
	17	1013.37	1013.36	1013.37	1013.36	1013.33	1013.33	1013.39	1013.48	1013.56	1013.58	1013.61	1013.66	1013.45
	18	1013.72	1013.78	1013.85	1013.94	1014.01	1014.04	1014.05	1014.07	1014.05	1014.03	1014.03	1014.02	1013.96
	19	1014.00	1013.96	1013.95	1013.99	1013.98	1013.95	1013.94	1013.95	1013.93	1013.91	1013.89	1013.85	1013.94
	20	1013.83	1013.85	1013.83	1013.78	1013.76	1013.77	1013.78	1013.74	1013.67	1013.63	1013.62	1013.59	1013.73
	21	1013.51	1013.45	1013.46	1013.50	1013.48	1013.43	1013.42	1013.42	1013.45	1013.47	1013.45	1013.44	1013.45
	22	1013.43	1013.40	1013.38	1013.33	1013.29	1013.28	1013.26	1013.20	1013.17	1013.19	1013.22	1013.22	1013.28
	23	1013.18	1013.17	1013.15	1013.11	1013.08	1013.06	1013.04	1013.01	1012.97	1012.93	1012.89	1012.88	1013.04
6	0	1012.86	1012.85	1012.82	1012.77	1012.71	1012.62	1012.50	1012.39	1012.29	1012.21	1012.15	1012.13	1012.51
	1	1012.15	1012.16	1012.14	1012.16	1012.14	1012.06	1012.02	1011.99	1011.87	1011.74	1011.67	1011.65	1011.98
	2	1011.65	1011.64	1011.62	1011.58	1011.57	1011.59	1011.62	1011.62	1011.58	1011.56	1011.58	1011.61	1011.60
	3	1011.66	1011.74	1011.78	1011.78	1011.79	1011.82	1011.88	1011.93	1011.98	1012.01	1012.01	1012.01	1011.86
	4	1012.05	1012.13	1012.20	1012.23	1012.22	1012.19	1012.19	1012.23	1012.27	1012.30	1012.34	1012.38	1012.23
	5	1012.41	1012.41	1012.40	1012.41	1012.43	1012.45	1012.44	1012.42	1012.40	1012.39	1012.38	1012.36	1012.41
	6	1012.35	1012.36	1012.38	1012.40	1012.39	1012.41	1012.41	1012.42	1012.44	1012.45	1012.48	1012.53	1012.42
	7	1012.56	1012.58	1012.60	1012.61	1012.63	1012.64	1012.66	1012.66	1012.63	1012.62	1012.60	1012.58	1012.61
	8	1012.57	1012.56	1012.56	1012.55	1012.51	1012.48	1012.46	1012.41	1012.33	1012.26	1012.21	1012.16	1012.42
	9	1012.12	1012.10	1012.11	1012.16	1012.17	1012.12	1012.03	1011.96	1011.93	1011.92	1011.89	1011.83	1012.03
	10	1011.77	1011.73	1011.68	1011.63	1011.63	1011.63	1011.62	1011.61	1011.56	1011.52	1011.50	1011.50	1011.61
	11	1011.49	1011.45	1011.39	1011.36	1011.37	1011.39	1011.41	1011.42	1011.43	1011.42	1011.42	1011.42	1011.41
	12	1011.39	1011.32	1011.24	1011.20	1011.16	1011.14	1011.15	1011.13	1011.12	1011.12	1011.17	1011.23	1011.20
	13	1011.26	1011.27	1011.25	1011.23	1011.21	1011.23	1011.25	1011.24	1011.23	1011.22	1011.24	1011.24	1011.24
	14	1011.18	1011.06	1011.00	1011.04	1011.12	1011.18	1011.22	1011.22	1011.17	1011.18	1011.17	1011.11	1011.13
	15	1011.08	1011.07	1011.10	1011.14	1011.21	1011.29	1011.30	1011.29	1011.29	1011.31	1011.35	1011.36	1011.23
	16	1011.37	1011.41	1011.45	1011.51	1011.55	1011.61	1011.71	1011.74	1011.78	1011.87	1012.01	1012.14	1011.68
	17	1012.19	1012.24	1012.30	1012.31	1012.33	1012.41	1012.53	1012.64	1012.72	1012.80	1012.89	1012.97	1012.53
	18	1013.00	1012.99	1013.01	1013.05	1013.09	1013.15	1013.19	1013.20	1013.19	1013.18	1013.18	1013.18	1013.12
	19	1013.17	1013.16	1013.17	1013.15	1013.15	1013.19	1013.25	1013.28	1013.32	1013.35	1013.38	1013.43	1013.25
	20	1013.44	1013.45	1013.49	1013.56	1013.61	1013.63	1013.67	1013.68	1013.68	1013.66	1013.68	1013.72	1013.60
	21	1013.76	1013.81	1013.85	1013.85	1013.85	1013.82	1013.79	1013.76	1013.76	1013.80	1013.81	1013.81	1013.80
	22	1013.80	1013.79	1013.79	1013.80	1013.82	1013.83	1013.83	1013.80	1013.77	1013.77	1013.78	1013.83	1013.80
	23	1013.85	1013.82	1013.86	1013.92	1013.97	1013.99	1014.00	1014.01	1014.04	1014.06	1014.05	1014.01	1013.96

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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	1013.97	1013.99	1014.03	1014.05	1014.04	1014.04	1014.07	1014.07	1014.07	1014.10	1014.11	1014.14	1014.06
	1	1014.18	1014.19	1014.18	1014.16	1014.14	1014.15	1014.17	1014.18	1014.18	1014.18	1014.20	1014.19	1014.17
	2	1014.19	1014.25	1014.29	1014.30	1014.30	1014.32	1014.35	1014.36	1014.37	1014.38	1014.38	1014.40	1014.32
	3	1014.41	1014.40	1014.39	1014.43	1014.53	1014.60	1014.63	1014.68	1014.73	1014.79	1014.91	1015.02	1014.63
	4	1015.05	1015.06	1015.06	1015.04	1015.04	1015.08	1015.14	1015.20	1015.24	1015.24	1015.26	1015.31	1015.14
	5	1015.36	1015.40	1015.43	1015.48	1015.53	1015.56	1015.58	1015.63	1015.69	1015.73	1015.76	1015.78	1015.57
	6	1015.79	1015.81	1015.78	1015.75	1015.75	1015.75	1015.74	1015.77	1015.86	1015.97	1016.03	1016.07	1015.84
	7	1016.12	1016.16	1016.18	1016.20	1016.22	1016.27	1016.30	1016.32	1016.34	1016.35	1016.36	1016.40	1016.27
	8	1016.47	1016.54	1016.61	1016.65	1016.67	1016.67	1016.68	1016.70	1016.73	1016.75	1016.73	1016.71	1016.66
	9	1016.69	1016.69	1016.67	1016.66	1016.64	1016.63	1016.62	1016.61	1016.58	1016.57	1016.56	1016.53	1016.62
	10	1016.49	1016.45	1016.43	1016.42	1016.41	1016.39	1016.36	1016.34	1016.28	1016.23	1016.25	1016.26	1016.36
	11	1016.23	1016.18	1016.13	1016.10	1016.05	1016.00	1015.96	1015.92	1015.93	1015.93	1015.93	1015.95	1016.02
	12	1015.95	1015.94	1015.93	1015.95	1015.98	1016.00	1016.03	1016.02	1016.01	1016.01	1016.04	1016.08	1015.99
	13	1016.12	1016.14	1016.17	1016.21	1016.18	1016.12	1016.07	1016.03	1016.00	1016.02	1016.03	1016.00	1016.09
	14	1015.99	1016.02	1016.07	1016.09	1016.06	1016.03	1016.02	1016.04	1016.09	1016.13	1016.15	1016.19	1016.07
	15	1016.21	1016.21	1016.21	1016.16	1016.14	1016.21	1016.23	1016.15	1016.09	1016.08	1016.14	1016.20	1016.17
	16	1016.25	1016.33	1016.40	1016.51	1016.63	1016.69	1016.69	1016.63	1016.57	1016.58	1016.65	1016.78	1016.56
	17	1016.88	1016.90	1016.86	1016.80	1016.77	1016.79	1016.84	1016.85	1016.84	1016.92	1017.05	1017.18	1016.89
	18	1017.25	1017.31	1017.45	1017.54	1017.50	1017.52	1017.57	1017.62	1017.64	1017.63	1017.68	1017.70	1017.53
	19	1017.73	1017.80	1017.86	1017.90	1017.92	1018.00	1018.10	1018.15	1018.16	1018.17	1018.18	1018.19	1018.01
	20	1018.21	1018.22	1018.23	1018.23	1018.21	1018.20	1018.25	1018.31	1018.32	1018.31	1018.30	1018.27	1018.25
	21	1018.24	1018.21	1018.18	1018.15	1018.12	1018.10	1018.11	1018.13	1018.15	1018.13	1018.12	1018.12	1018.14
	22	1018.09	1018.06	1018.05	1018.04	1018.00	1017.99	1018.03	1018.10	1018.15	1018.18	1018.25	1018.30	1018.10
	23	1018.36	1018.46	1018.53	1018.55	1018.52	1018.45	1018.39	1018.36	1018.34	1018.37	1018.41	1018.37	1018.42
8	0	1018.30	1018.25	1018.25	1018.27	1018.22	1018.21	1018.27	1018.45	1018.57	1018.56	1018.58	1018.64	1018.38
	1	1018.68	1018.66	1018.62	1018.59	1018.57	1018.60	1018.65	1018.68	1018.70	1018.69	1018.70	1018.74	1018.65
	2	1018.76	1018.78	1018.80	1018.82	1018.84	1018.86	1018.87	1018.88	1018.88	1018.89	1018.93	1018.99	1018.86
	3	1019.06	1019.10	1019.10	1019.09	1019.16	1019.24	1019.30	1019.31	1019.30	1019.34	1019.35	1019.32	1019.22
	4	1019.32	1019.33	1019.40	1019.44	1019.46	1019.50	1019.49	1019.48	1019.51	1019.53	1019.60	1019.68	1019.48
	5	1019.68	1019.72	1019.76	1019.72	1019.65	1019.62	1019.64	1019.62	1019.58	1019.59	1019.62	1019.64	1019.65
	6	1019.68	1019.73	1019.76	1019.77	1019.73	1019.62	1019.54	1019.50	1019.51	1019.51	1019.49	1019.52	1019.61
	7	1019.53	1019.53	1019.58	1019.61	1019.62	1019.60	1019.58	1019.57	1019.58	1019.61	1019.66	1019.72	1019.60
	8	1019.78	1019.84	1019.85	1019.87	1019.95	1019.99	1019.98	1019.98	1019.99	1020.03	1020.05	1020.11	1019.95
	9	1020.27	1020.46	1020.61	1020.69	1020.71	1020.63	1020.44	1020.33	1020.34	1020.22	1020.07	1019.98	1020.39
	10	1019.84	1019.69	1019.68	1019.69	1019.65	1019.60	1019.49	1019.36	1019.31	1019.30	1019.30	1019.25	1019.51
	11	1019.19	1019.21	1019.20	1019.23	1019.30	1019.31	1019.31	1019.41	1019.54	1019.59	1019.63	1019.75	1019.39
	12	1019.78	1019.75	1019.76	1019.79	1019.84	1019.88	1019.90	1019.89	1019.82	1019.73	1019.73	1019.82	1019.81
	13	1019.83	1019.74	1019.72	1019.70	1019.65	1019.61	1019.55	1019.51	1019.52	1019.50	1019.49	1019.45	1019.60
	14	1019.36	1019.29	1019.29	1019.31	1019.28	1019.16	1019.01	1018.92	1018.88	1018.90	1018.93	1018.97	1019.11
	15	1019.04	1019.13	1019.29	1019.38	1019.40	1019.41	1019.45	1019.43	1019.42	1019.53	1019.61	1019.61	1019.39
	16	1019.60	1019.60	1019.61	1019.61	1019.58	1019.56	1019.55	1019.46	1019.35	1019.28	1019.08	1018.63	1019.41
	17	1018.29	1018.34	1018.59	1018.96	1019.23	1019.37	1019.49	1019.50	1019.45	1019.44	1019.50	1019.56	1019.14
	18	1019.60	1019.61	1019.62	1019.65	1019.61	1019.52	1019.44	1019.35	1019.23	1019.03	1018.83	1018.72	1019.35
	19	1018.69	1018.67	1018.68	1018.69	1018.84	1019.10	1019.20	1019.23	1019.33	1019.38	1019.33	1019.31	1019.04
	20	1019.30	1019.20	1019.06	1018.91	1018.76	1018.69	1018.75	1018.89	1019.05	1019.20	1019.39	1019.44	1019.05
	21	1019.37	1019.41	1019.44	1019.45	1019.56	1019.74	1019.81	1019.69	1019.58	1019.51	1019.38	1019.27	1019.52
	22	1019.24	1019.16	1019.01	1018.83	1018.77	1018.81	1018.80	1018.72	1018.69	1018.83	1019.04	1019.29	1018.93
	23	1019.41	1019.19	1018.93	1018.79	1018.64	1018.53	1018.42	1018.45	1018.51	1018.56	1018.63	1018.61	1018.72

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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	1018.54	1018.53	1018.49	1018.40	1018.31	1018.37	1018.41	1018.43	1018.51	1018.57	1018.58	1018.58	1018.47
	1	1018.61	1018.62	1018.71	1018.82	1018.71	1018.72	1018.85	1018.87	1018.88	1018.88	1018.82	1018.66	1018.76
	2	1018.52	1018.44	1018.07	1017.76	1017.85	1017.98	1018.08	1018.19	1018.37	1018.54	1018.61	1018.53	1018.24
	3	1018.35	1018.24	1018.17	1018.02	1017.77	1017.58	1017.52	1017.49	1017.51	1017.59	1017.62	1017.58	1017.78
	4	1017.59	1017.60	1017.49	1017.40	1017.31	1017.25	1017.17	1017.06	1017.03	1017.07	1017.13	1017.26	1017.28
	5	1017.40	1017.44	1017.48	1017.58	1017.61	1017.65	1017.75	1017.76	1017.78	1017.76	1017.65	1017.68	1017.63
	6	1017.80	1017.86	1017.88	1017.93	1017.94	1017.93	1017.96	1018.08	1018.17	1018.17	1018.19	1018.22	1018.01
	7	1018.23	1018.18	1018.08	1018.01	1017.89	1017.83	1017.82	1017.79	1017.82	1017.85	1017.82	1017.80	1017.93
	8	1017.81	1017.84	1017.88	1017.87	1017.79	1017.70	1017.64	1017.58	1017.48	1017.39	1017.30	1017.24	1017.62
	9	1017.13	1017.01	1016.99	1016.99	1016.99	1016.98	1016.90	1016.86	1016.87	1016.85	1016.83	1016.77	1016.93
	10	1016.69	1016.68	1016.70	1016.76	1016.82	1016.82	1016.83	1016.87	1016.98	1017.11	1017.18	1017.23	1016.89
	11	1017.27	1017.23	1017.21	1017.22	1017.18	1017.14	1017.13	1017.09	1017.09	1017.10	1017.03	1016.99	1017.14
	12	1016.96	1016.83	1016.75	1016.75	1016.81	1016.96	1017.09	1017.17	1017.18	1017.17	1017.22	1017.27	1017.01
	13	1017.33	1017.35	1017.35	1017.31	1017.23	1017.17	1017.17	1017.21	1017.26	1017.26	1017.33	1017.44	1017.28
	14	1017.44	1017.41	1017.37	1017.29	1017.23	1017.21	1017.17	1017.12	1017.10	1017.09	1017.12	1017.16	1017.22
	15	1017.17	1017.15	1017.13	1017.13	1017.13	1017.07	1017.02	1017.00	1016.98	1016.94	1016.99	1017.03	1017.06
	16	1017.03	1017.02	1017.00	1017.02	1017.03	1017.04	1017.06	1017.06	1017.09	1017.07	1017.02	1016.99	1017.03
	17	1016.97	1016.98	1016.97	1017.00	1017.05	1017.09	1017.19	1017.25	1017.31	1017.39	1017.41	1017.43	1017.17
	18	1017.40	1017.36	1017.37	1017.38	1017.42	1017.41	1017.38	1017.41	1017.46	1017.53	1017.55	1017.59	1017.44
	19	1017.66	1017.72	1017.81	1017.82	1017.78	1017.77	1017.80	1017.84	1017.84	1017.82	1017.76	1017.70	1017.77
	20	1017.71	1017.72	1017.68	1017.66	1017.64	1017.62	1017.61	1017.62	1017.63	1017.60	1017.52	1017.45	1017.62
	21	1017.39	1017.35	1017.39	1017.34	1017.35	1017.40	1017.38	1017.35	1017.30	1017.32	1017.40	1017.47	1017.37
	22	1017.50	1017.50	1017.53	1017.57	1017.57	1017.56	1017.57	1017.56	1017.49	1017.49	1017.53	1017.50	1017.53
	23	1017.52	1017.58	1017.61	1017.69	1017.77	1017.82	1017.88	1017.92	1017.85	1017.76	1017.75	1017.79	1017.74
10	0	1017.88	1017.87	1017.81	1017.78	1017.74	1017.61	1017.48	1017.47	1017.53	1017.49	1017.36	1017.33	1017.60
	1	1017.47	1017.59	1017.60	1017.60	1017.57	1017.49	1017.41	1017.32	1017.24	1017.23	1017.20	1017.17	1017.41
	2	1017.18	1017.14	1017.03	1016.97	1016.93	1016.88	1016.86	1016.81	1016.78	1016.76	1016.67	1016.58	1016.88
	3	1016.60	1016.68	1016.69	1016.66	1016.65	1016.63	1016.59	1016.52	1016.52	1016.55	1016.55	1016.60	1016.60
	4	1016.55	1016.53	1016.63	1016.61	1016.53	1016.45	1016.30	1016.17	1016.11	1016.10	1016.07	1016.09	1016.34
	5	1016.19	1016.25	1016.24	1016.22	1016.24	1016.30	1016.36	1016.41	1016.50	1016.62	1016.71	1016.79	1016.40
	6	1016.88	1016.87	1016.85	1016.91	1016.95	1016.92	1016.89	1016.86	1016.84	1016.85	1016.84	1016.84	1016.87
	7	1016.85	1016.84	1016.86	1016.86	1016.90	1016.95	1016.95	1016.94	1016.93	1016.93	1016.91	1016.89	1016.90
	8	1016.93	1016.94	1016.92	1016.91	1016.91	1016.97	1017.07	1017.15	1017.19	1017.26	1017.32	1017.32	1017.07
	9	1017.29	1017.31	1017.32	1017.27	1017.28	1017.35	1017.36	1017.31	1017.27	1017.24	1017.25	1017.27	1017.29
	10	1017.30	1017.31	1017.25	1017.12	1017.03	1017.04	1016.98	1016.93	1016.94	1016.90	1016.92	1016.95	1017.05
	11	1016.93	1016.93	1016.91	1016.83	1016.76	1016.73	1016.71	1016.64	1016.66	1016.74	1016.76	1016.80	1016.78
	12	1016.86	1016.87	1016.84	1016.83	1016.81	1016.75	1016.69	1016.66	1016.60	1016.58	1016.63	1016.68	1016.73
	13	1016.74	1016.78	1016.83	1016.87	1016.82	1016.75	1016.74	1016.74	1016.72	1016.68	1016.69	1016.71	1016.75
	14	1016.66	1016.59	1016.52	1016.42	1016.27	1016.13	1016.00	1015.86	1015.67	1015.53	1015.57	1015.63	1016.07
	15	1015.69	1015.67	1015.57	1015.48	1015.31	1015.11	1014.90	1014.69	1014.61	1014.62	1014.68	1014.71	1015.09
	16	1014.64	1014.59	1014.62	1014.67	1014.66	1014.66	1014.64	1014.67	1014.70	1014.71	1014.67	1014.64	1014.65
	17	1014.72	1014.77	1014.74	1014.69	1014.64	1014.52	1014.37	1014.19	1014.10	1014.18	1014.22	1014.21	1014.44
	18	1014.26	1014.33	1014.40	1014.36	1014.29	1014.28	1014.31	1014.37	1014.43	1014.41	1014.30	1014.28	1014.33
	19	1014.25	1014.20	1014.19	1014.07	1013.93	1013.87	1013.92	1013.99	1013.99	1013.89	1013.84	1013.99	1014.01
	20	1014.10	1014.10	1014.18	1014.26	1014.31	1014.29	1014.16	1014.02	1013.94	1013.90	1013.91	1013.91	1014.09
	21	1013.86	1013.82	1013.83	1013.86	1013.85	1013.82	1013.84	1013.87	1013.86	1013.86	1013.89	1013.89	1013.85
	22	1013.89	1013.91	1013.87	1013.84	1013.91	1013.91	1013.91	1013.97	1014.01	1014.03	1014.01	1013.98	1013.93
	23	1013.91	1013.87	1013.88	1013.91	1013.96	1014.02	1014.03	1013.95	1013.86	1013.78	1013.75	1013.74	1013.89

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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	1013.73	1013.71	1013.69	1013.70	1013.70	1013.67	1013.63	1013.61	1013.61	1013.60	1013.59	1013.57	1013.64
	1	1013.54	1013.52	1013.48	1013.42	1013.36	1013.32	1013.28	1013.21	1013.11	1013.00	1012.89	1012.86	1013.25
	2	1012.82	1012.78	1012.82	1012.81	1012.75	1012.74	1012.73	1012.74	1012.81	1012.81	1012.79	1012.81	1012.78
	3	1012.79	1012.73	1012.73	1012.76	1012.79	1012.82	1012.81	1012.79	1012.78	1012.80	1012.89	1012.93	1012.80
	4	1012.93	1012.93	1012.90	1012.92	1012.97	1012.96	1013.01	1013.06	1013.04	1013.06	1013.08	1013.06	1012.99
	5	1013.09	1013.15	1013.21	1013.27	1013.31	1013.31	1013.33	1013.43	1013.53	1013.58	1013.63	1013.66	1013.37
	6	1013.71	1013.76	1013.78	1013.81	1013.85	1013.85	1013.82	1013.83	1013.84	1013.83	1013.86	1013.89	1013.82
	7	1013.90	1013.92	1013.91	1013.93	1013.98	1014.03	1014.12	1014.22	1014.27	1014.29	1014.34	1014.37	1014.10
	8	1014.36	1014.36	1014.33	1014.32	1014.36	1014.34	1014.29	1014.29	1014.35	1014.41	1014.43	1014.50	1014.36
	9	1014.57	1014.60	1014.63	1014.66	1014.69	1014.69	1014.65	1014.65	1014.66	1014.65	1014.68	1014.76	1014.66
	10	1014.77	1014.76	1014.77	1014.79	1014.82	1014.82	1014.83	1014.85	1014.85	1014.82	1014.78	1014.76	1014.80
	11	1014.79	1014.81	1014.82	1014.77	1014.71	1014.69	1014.67	1014.63	1014.60	1014.55	1014.54	1014.58	1014.68
	12	1014.54	1014.55	1014.59	1014.58	1014.60	1014.61	1014.60	1014.55	1014.46	1014.44	1014.47	1014.46	1014.54
	13	1014.45	1014.41	1014.37	1014.36	1014.37	1014.37	1014.33	1014.33	1014.36	1014.37	1014.40	1014.39	1014.37
	14	1014.38	1014.39	1014.38	1014.37	1014.34	1014.28	1014.27	1014.25	1014.22	1014.19	1014.16	1014.19	1014.28
	15	1014.21	1014.20	1014.22	1014.24	1014.26	1014.27	1014.25	1014.23	1014.22	1014.21	1014.23	1014.21	1014.23
	16	1014.19	1014.22	1014.24	1014.21	1014.13	1014.10	1014.10	1014.12	1014.11	1014.06	1014.05	1014.03	1014.13
	17	1013.97	1013.91	1013.87	1013.86	1013.83	1013.78	1013.79	1013.85	1013.87	1013.87	1013.88	1013.89	1013.86
	18	1013.91	1013.93	1013.95	1013.95	1013.98	1014.06	1014.14	1014.17	1014.22	1014.28	1014.32	1014.37	1014.10
	19	1014.40	1014.42	1014.44	1014.46	1014.46	1014.44	1014.42	1014.44	1014.45	1014.43	1014.44	1014.47	1014.44
	20	1014.48	1014.44	1014.41	1014.41	1014.39	1014.40	1014.42	1014.45	1014.50	1014.52	1014.51	1014.49	1014.45
	21	1014.45	1014.39	1014.38	1014.39	1014.41	1014.43	1014.47	1014.53	1014.52	1014.50	1014.49	1014.49	1014.45
	22	1014.51	1014.49	1014.40	1014.30	1014.29	1014.32	1014.33	1014.33	1014.32	1014.28	1014.23	1014.21	1014.33
	23	1014.21	1014.21	1014.14	1014.05	1014.00	1014.00	1014.00	1013.94	1013.90	1013.90	1013.89	1013.82	1014.00
12	0	1013.76	1013.75	1013.76	1013.75	1013.69	1013.69	1013.72	1013.67	1013.62	1013.59	1013.57	1013.54	1013.67
	1	1013.50	1013.51	1013.53	1013.54	1013.55	1013.58	1013.55	1013.48	1013.45	1013.45	1013.43	1013.38	1013.49
	2	1013.30	1013.25	1013.23	1013.19	1013.13	1013.10	1013.10	1013.11	1013.17	1013.15	1013.08	1013.05	1013.15
	3	1013.01	1012.96	1012.94	1012.93	1012.94	1012.91	1012.86	1012.83	1012.81	1012.76	1012.73	1012.74	1012.87
	4	1012.75	1012.70	1012.62	1012.53	1012.52	1012.59	1012.64	1012.69	1012.69	1012.74	1012.86	1012.95	1012.69
	5	1012.98	1012.97	1012.91	1012.90	1012.93	1012.93	1012.95	1012.98	1012.99	1012.98	1013.00	1013.03	1012.96
	6	1012.98	1012.92	1012.89	1012.87	1012.82	1012.78	1012.81	1012.85	1012.86	1012.91	1012.99	1013.03	1012.89
	7	1013.01	1012.98	1013.00	1013.00	1013.00	1013.01	1013.04	1013.10	1013.13	1013.16	1013.18	1013.19	1013.07
	8	1013.21	1013.23	1013.20	1013.18	1013.23	1013.28	1013.30	1013.27	1013.25	1013.25	1013.26	1013.23	1013.24
	9	1013.22	1013.27	1013.31	1013.31	1013.27	1013.28	1013.30	1013.26	1013.26	1013.27	1013.20	1013.16	1013.26
	10	1013.13	1013.12	1013.12	1013.08	1013.07	1013.05	1013.01	1013.04	1013.04	1013.00	1012.99	1012.95	1013.05
	11	1012.95	1012.96	1012.91	1012.83	1012.75	1012.65	1012.58	1012.54	1012.57	1012.66	1012.67	1012.61	1012.72
	12	1012.57	1012.53	1012.51	1012.54	1012.54	1012.54	1012.54	1012.53	1012.50	1012.44	1012.36	1012.31	1012.49
	13	1012.29	1012.25	1012.21	1012.20	1012.20	1012.16	1012.14	1012.15	1012.14	1012.11	1012.08	1012.07	1012.16
	14	1012.08	1012.08	1012.10	1012.13	1012.13	1012.14	1012.11	1012.13	1012.14	1012.11	1012.14	1012.15	1012.12
	15	1012.15	1012.14	1012.15	1012.15	1012.15	1012.16	1012.15	1012.15	1012.18	1012.18	1012.15	1012.16	1012.15
	16	1012.21	1012.23	1012.23	1012.28	1012.34	1012.39	1012.42	1012.44	1012.45	1012.44	1012.46	1012.50	1012.36
	17	1012.51	1012.51	1012.51	1012.50	1012.52	1012.59	1012.64	1012.66	1012.70	1012.76	1012.83	1012.86	1012.63
	18	1012.89	1012.93	1012.99	1013.08	1013.14	1013.21	1013.29	1013.33	1013.34	1013.38	1013.43	1013.45	1013.20
	19	1013.49	1013.53	1013.57	1013.59	1013.64	1013.71	1013.76	1013.81	1013.84	1013.85	1013.88	1013.90	1013.71
	20	1013.90	1013.90	1013.91	1013.92	1013.90	1013.86	1013.83	1013.82	1013.81	1013.80	1013.83	1013.87	1013.86
	21	1013.91	1013.94	1013.95	1013.99	1014.04	1014.05	1014.07	1014.12	1014.15	1014.13	1014.13	1014.17	1014.05
	22	1014.17	1014.16	1014.16	1014.17	1014.19	1014.22	1014.25	1014.27	1014.28	1014.31	1014.32	1014.27	1014.23
	23	1014.25	1014.24	1014.23	1014.24	1014.24	1014.23	1014.20	1014.16	1014.17	1014.18	1014.15	1014.11	1014.20



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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	1014.11	1014.11	1014.10	1014.07	1014.03	1014.01	1013.98	1013.94	1013.89	1013.84	1013.81	1013.81	1013.97
	1	1013.80	1013.76	1013.71	1013.70	1013.69	1013.65	1013.65	1013.66	1013.65	1013.65	1013.69	1013.71	1013.69
	2	1013.70	1013.69	1013.72	1013.76	1013.78	1013.78	1013.77	1013.76	1013.79	1013.83	1013.86	1013.87	1013.77
	3	1013.91	1013.96	1013.95	1013.95	1013.96	1013.95	1013.97	1014.00	1014.05	1014.10	1014.11	1014.13	1014.00
	4	1014.17	1014.21	1014.29	1014.34	1014.33	1014.37	1014.45	1014.50	1014.55	1014.61	1014.67	1014.74	1014.43
	5	1014.85	1014.95	1015.03	1015.09	1015.14	1015.15	1015.17	1015.23	1015.23	1015.18	1015.12	1015.13	1015.10
	6	1015.19	1015.24	1015.34	1015.44	1015.49	1015.54	1015.57	1015.57	1015.57	1015.57	1015.60	1015.66	1015.48
	7	1015.71	1015.75	1015.80	1015.85	1015.88	1015.88	1015.90	1015.92	1015.94	1015.96	1015.99	1016.03	1015.88
	8	1016.08	1016.13	1016.20	1016.23	1016.26	1016.30	1016.30	1016.28	1016.30	1016.31	1016.32	1016.33	1016.25
	9	1016.35	1016.37	1016.37	1016.34	1016.35	1016.35	1016.33	1016.34	1016.34	1016.34	1016.30	1016.27	1016.33
	10	1016.28	1016.27	1016.25	1016.30	1016.36	1016.34	1016.28	1016.23	1016.26	1016.29	1016.28	1016.25	1016.28
	11	1016.23	1016.22	1016.17	1016.12	1016.11	1016.10	1016.11	1016.17	1016.19	1016.19	1016.18	1016.17	1016.16
	12	1016.16	1016.16	1016.16	1016.17	1016.18	1016.17	1016.17	1016.18	1016.20	1016.23	1016.22	1016.19	1016.18
	13	1016.17	1016.14	1016.06	1016.06	1016.09	1016.08	1016.09	1016.10	1016.09	1016.11	1016.13	1016.16	1016.10
	14	1016.18	1016.16	1016.14	1016.13	1016.06	1015.99	1015.99	1015.95	1015.92	1015.88	1015.86	1015.84	1016.01
	15	1015.83	1015.87	1015.89	1015.93	1016.02	1016.05	1016.02	1016.00	1015.99	1016.04	1016.07	1016.07	1015.98
	16	1016.13	1016.21	1016.24	1016.30	1016.33	1016.32	1016.35	1016.37	1016.38	1016.40	1016.41	1016.39	1016.32
	17	1016.39	1016.42	1016.46	1016.50	1016.56	1016.60	1016.64	1016.66	1016.69	1016.75	1016.83	1016.92	1016.62
	18	1016.99	1017.08	1017.17	1017.23	1017.28	1017.34	1017.39	1017.46	1017.56	1017.65	1017.72	1017.79	1017.39
	19	1017.86	1017.89	1017.87	1017.86	1017.90	1017.94	1017.95	1017.97	1018.00	1018.05	1018.10	1018.13	1017.96
	20	1018.17	1018.21	1018.24	1018.25	1018.27	1018.32	1018.31	1018.33	1018.34	1018.34	1018.38	1018.37	1018.29
	21	1018.33	1018.32	1018.32	1018.33	1018.38	1018.42	1018.45	1018.49	1018.52	1018.51	1018.52	1018.55	1018.43
	22	1018.56	1018.56	1018.56	1018.54	1018.50	1018.46	1018.42	1018.41	1018.41	1018.39	1018.40	1018.43	1018.47
	23	1018.42	1018.38	1018.33	1018.32	1018.32	1018.32	1018.31	1018.28	1018.25	1018.21	1018.19	1018.18	1018.29
14	0	1018.18	1018.17	1018.15	1018.14	1018.16	1018.18	1018.17	1018.17	1018.13	1018.10	1018.09	1018.05	1018.14
	1	1018.01	1017.94	1017.88	1017.85	1017.83	1017.85	1017.89	1017.89	1017.86	1017.89	1017.92	1017.88	1017.89
	2	1017.82	1017.80	1017.79	1017.74	1017.67	1017.59	1017.58	1017.63	1017.65	1017.62	1017.62	1017.63	1017.68
	3	1017.65	1017.68	1017.71	1017.74	1017.75	1017.77	1017.79	1017.81	1017.84	1017.88	1017.98	1018.07	1017.80
	4	1018.07	1018.06	1018.10	1018.18	1018.25	1018.29	1018.31	1018.32	1018.38	1018.48	1018.57	1018.59	1018.30
	5	1018.58	1018.59	1018.60	1018.67	1018.75	1018.79	1018.86	1018.92	1018.89	1018.82	1018.78	1018.73	1018.75
	6	1018.71	1018.72	1018.70	1018.71	1018.74	1018.74	1018.70	1018.65	1018.66	1018.69	1018.71	1018.75	1018.70
	7	1018.82	1018.82	1018.81	1018.80	1018.80	1018.79	1018.77	1018.80	1018.82	1018.83	1018.84	1018.83	1018.81
	8	1018.81	1018.78	1018.78	1018.83	1018.88	1018.89	1018.93	1018.99	1018.98	1018.96	1018.96	1018.92	1018.89
	9	1018.88	1018.92	1018.93	1018.90	1018.89	1018.83	1018.77	1018.71	1018.67	1018.67	1018.64	1018.61	1018.78
	10	1018.60	1018.56	1018.54	1018.55	1018.50	1018.46	1018.45	1018.44	1018.40	1018.42	1018.48	1018.48	1018.49
	11	1018.45	1018.46	1018.43	1018.38	1018.34	1018.28	1018.22	1018.17	1018.16	1018.17	1018.12	1018.05	1018.27
	12	1018.02	1018.00	1017.96	1017.94	1017.95	1017.91	1017.88	1017.89	1017.86	1017.84	1017.78	1017.71	1017.89
	13	1017.70	1017.67	1017.61	1017.55	1017.53	1017.51	1017.49	1017.48	1017.42	1017.34	1017.29	1017.28	1017.49
	14	1017.29	1017.30	1017.28	1017.26	1017.22	1017.15	1017.07	1016.99	1016.91	1016.89	1016.89	1016.88	1017.09
	15	1016.86	1016.83	1016.79	1016.75	1016.72	1016.74	1016.75	1016.77	1016.79	1016.77	1016.76	1016.75	1016.77
	16	1016.77	1016.80	1016.79	1016.77	1016.78	1016.75	1016.72	1016.72	1016.74	1016.71	1016.67	1016.65	1016.74
	17	1016.62	1016.62	1016.63	1016.63	1016.64	1016.65	1016.65	1016.66	1016.66	1016.68	1016.72	1016.77	1016.66
	18	1016.84	1016.94	1017.05	1017.14	1017.20	1017.22	1017.25	1017.28	1017.28	1017.26	1017.27	1017.31	1017.17
	19	1017.36	1017.39	1017.40	1017.45	1017.49	1017.48	1017.49	1017.49	1017.47	1017.44	1017.40	1017.38	1017.43
	20	1017.39	1017.38	1017.40	1017.46	1017.49	1017.51	1017.50	1017.47	1017.41	1017.32	1017.36	1017.43	1017.42
	21	1017.39	1017.35	1017.37	1017.43	1017.46	1017.47	1017.46	1017.47	1017.49	1017.50	1017.54	1017.53	1017.45
	22	1017.50	1017.49	1017.48	1017.45	1017.38	1017.35	1017.36	1017.36	1017.33	1017.31	1017.31	1017.28	1017.38
	23	1017.26	1017.28	1017.31	1017.38	1017.42	1017.45	1017.50	1017.52	1017.49	1017.46	1017.43	1017.37	1017.40

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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	1017.31	1017.35	1017.38	1017.33	1017.23	1017.13	1017.02	1016.91	1016.85	1016.79	1016.73	1016.70	1017.05
	1	1016.67	1016.70	1016.71	1016.63	1016.60	1016.62	1016.57	1016.49	1016.49	1016.49	1016.43	1016.35	1016.56
	2	1016.30	1016.28	1016.29	1016.31	1016.32	1016.29	1016.25	1016.25	1016.21	1016.19	1016.22	1016.21	1016.26
	3	1016.19	1016.16	1016.09	1016.04	1016.01	1015.95	1015.88	1015.86	1015.85	1015.76	1015.72	1015.74	1015.94
	4	1015.75	1015.70	1015.67	1015.68	1015.62	1015.57	1015.57	1015.52	1015.36	1015.25	1015.24	1015.22	1015.51
	5	1015.27	1015.36	1015.40	1015.42	1015.44	1015.43	1015.35	1015.29	1015.23	1015.19	1015.15	1015.09	1015.30
	6	1015.06	1015.08	1015.11	1015.10	1015.13	1015.19	1015.19	1015.21	1015.26	1015.29	1015.32	1015.32	1015.19
	7	1015.30	1015.34	1015.40	1015.40	1015.36	1015.33	1015.37	1015.42	1015.42	1015.41	1015.43	1015.42	1015.38
	8	1015.42	1015.43	1015.40	1015.32	1015.19	1015.12	1015.06	1015.01	1014.94	1014.84	1014.78	1014.78	1015.11
	9	1014.69	1014.63	1014.61	1014.58	1014.64	1014.61	1014.54	1014.62	1014.83	1014.94	1014.82	1014.75	1014.69
	10	1014.79	1014.73	1014.68	1014.68	1014.61	1014.57	1014.59	1014.53	1014.42	1014.31	1014.21	1014.16	1014.52
	11	1014.10	1014.04	1014.01	1013.96	1013.97	1014.06	1014.16	1014.25	1014.28	1014.16	1014.00	1013.96	1014.08
	12	1013.93	1013.88	1013.84	1013.76	1013.65	1013.52	1013.41	1013.38	1013.32	1013.27	1013.25	1013.19	1013.53
	13	1013.06	1012.98	1013.03	1013.01	1012.90	1012.83	1012.72	1012.61	1012.59	1012.60	1012.60	1012.53	1012.79
	14	1012.41	1012.34	1012.34	1012.30	1012.19	1012.08	1011.99	1011.93	1011.95	1011.94	1011.88	1011.82	1012.10
	15	1011.78	1011.77	1011.79	1011.80	1011.79	1011.79	1011.79	1011.82	1011.77	1011.50	1011.25	1011.01	1011.65
	16	1010.97	1011.00	1010.91	1010.98	1010.96	1010.86	1010.76	1010.68	1010.66	1010.64	1010.62	1010.57	1010.80
	17	1010.52	1010.47	1010.44	1010.45	1010.41	1010.28	1010.19	1010.13	1010.07	1010.03	1010.03	1010.07	1010.26
	18	1010.07	1010.04	1010.04	1010.07	1010.10	1010.07	1010.04	1009.99	1009.91	1009.86	1009.84	1009.91	1009.99
	19	1009.96	1009.95	1009.97	1009.94	1009.90	1009.83	1009.76	1009.76	1009.75	1009.77	1009.76	1009.68	1009.83
	20	1009.64	1009.68	1009.63	1009.49	1009.51	1009.58	1009.62	1009.65	1009.61	1009.52	1009.44	1009.38	1009.56
	21	1009.29	1009.20	1009.15	1009.06	1008.98	1008.95	1008.93	1008.95	1008.98	1008.95	1008.90	1008.86	1009.02
	22	1008.83	1008.78	1008.81	1008.87	1008.91	1008.99	1008.95	1008.85	1008.81	1008.73	1008.65	1008.59	1008.81
	23	1008.50	1008.41	1008.35	1008.27	1008.19	1008.12	1008.04	1007.93	1007.82	1007.84	1007.94	1008.00	1008.12
16	0	1008.03	1008.01	1007.90	1007.71	1007.60	1007.54	1007.37	1007.22	1007.14	1007.03	1006.92	1006.92	1007.42
	1	1006.96	1007.01	1007.05	1007.14	1007.17	1007.08	1006.97	1006.89	1006.85	1006.83	1006.89	1006.93	1006.98
	2	1006.91	1006.90	1006.87	1006.87	1006.86	1006.86	1006.88	1006.88	1006.86	1006.79	1006.75	1006.72	1006.84
	3	1006.70	1006.69	1006.61	1006.47	1006.46	1006.45	1006.40	1006.44	1006.52	1006.60	1006.67	1006.71	1006.56
	4	1006.71	1006.73	1006.81	1006.92	1007.03	1007.15	1007.29	1007.39	1007.43	1007.39	1007.38	1007.48	1007.14
	5	1007.57	1007.61	1007.60	1007.57	1007.58	1007.57	1007.50	1007.52	1007.68	1007.79	1007.85	1007.94	1007.65
	6	1007.98	1008.05	1008.15	1008.21	1008.25	1008.22	1008.19	1008.23	1008.26	1008.27	1008.29	1008.32	1008.20
	7	1008.32	1008.30	1008.30	1008.30	1008.32	1008.31	1008.34	1008.42	1008.44	1008.44	1008.42	1008.39	1008.36
	8	1008.39	1008.38	1008.30	1008.25	1008.27	1008.31	1008.32	1008.32	1008.38	1008.46	1008.46	1008.39	1008.35
	9	1008.32	1008.28	1008.28	1008.27	1008.23	1008.19	1008.19	1008.15	1008.04	1007.96	1007.97	1008.04	1008.16
	10	1008.01	1007.89	1007.84	1007.85	1007.87	1007.85	1007.80	1007.74	1007.74	1007.75	1007.68	1007.58	1007.80
	11	1007.52	1007.49	1007.40	1007.32	1007.26	1007.17	1007.13	1007.16	1007.12	1007.01	1006.96	1006.99	1007.21
	12	1007.00	1006.99	1006.97	1006.98	1006.96	1006.98	1007.03	1007.02	1006.99	1007.01	1007.02	1006.98	1006.99
	13	1007.03	1007.12	1007.13	1007.18	1007.25	1007.23	1007.15	1007.10	1007.06	1007.02	1006.99	1006.91	1007.10
	14	1006.85	1006.88	1006.88	1006.80	1006.74	1006.77	1006.78	1006.74	1006.79	1006.85	1006.86	1006.84	1006.81
	15	1006.83	1006.82	1006.77	1006.79	1006.84	1006.83	1006.82	1006.88	1006.94	1006.98	1007.06	1007.07	1006.88
	16	1006.97	1006.85	1006.75	1006.68	1006.62	1006.52	1006.49	1006.49	1006.42	1006.41	1006.45	1006.48	1006.59
	17	1006.46	1006.38	1006.26	1006.20	1006.19	1006.20	1006.25	1006.33	1006.41	1006.49	1006.54	1006.54	1006.35
	18	1006.53	1006.52	1006.53	1006.56	1006.58	1006.61	1006.59	1006.50	1006.45	1006.47	1006.48	1006.48	1006.52
	19	1006.51	1006.52	1006.48	1006.44	1006.44	1006.44	1006.45	1006.46	1006.52	1006.56	1006.57	1006.57	1006.49
	20	1006.48	1006.37	1006.34	1006.41	1006.48	1006.48	1006.39	1006.29	1006.32	1006.40	1006.43	1006.41	1006.40
	21	1006.36	1006.26	1006.09	1005.91	1005.83	1005.80	1005.76	1005.74	1005.79	1005.78	1005.74	1005.75	1005.90
	22	1005.67	1005.59	1005.61	1005.58	1005.47	1005.40	1005.34	1005.30	1005.19	1005.09	1005.05	1005.01	1005.36
	23	1004.96	1004.88	1004.83	1004.86	1004.85	1004.78	1004.70	1004.67	1004.71	1004.72	1004.63	1004.60	1004.76

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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	1004.62	1004.63	1004.64	1004.60	1004.53	1004.52	1004.56	1004.54	1004.49	1004.49	1004.50	1004.44	1004.54
	1	1004.27	1004.04	1003.89	1003.80	1003.69	1003.58	1003.56	1003.63	1003.57	1003.51	1003.50	1003.43	1003.70
	2	1003.39	1003.43	1003.46	1003.50	1003.55	1003.54	1003.49	1003.43	1003.41	1003.40	1003.33	1003.25	1003.43
	3	1003.17	1003.08	1002.97	1002.89	1002.84	1002.80	1002.76	1002.68	1002.57	1002.53	1002.54	1002.54	1002.78
	4	1002.55	1002.56	1002.57	1002.58	1002.61	1002.57	1002.51	1002.50	1002.60	1002.67	1002.66	1002.68	1002.59
	5	1002.68	1002.67	1002.67	1002.65	1002.63	1002.67	1002.72	1002.74	1002.71	1002.64	1002.65	1002.69	1002.67
	6	1002.62	1002.59	1002.64	1002.64	1002.61	1002.65	1002.67	1002.70	1002.75	1002.80	1002.85	1002.80	1002.69
	7	1002.81	1002.87	1002.85	1002.86	1002.95	1002.96	1002.85	1002.72	1002.73	1002.83	1002.90	1002.95	1002.85
	8	1002.96	1002.93	1002.95	1002.94	1002.98	1003.04	1003.04	1003.05	1003.09	1003.09	1003.07	1003.07	1003.02
	9	1003.02	1003.01	1002.97	1003.02	1003.15	1003.15	1003.13	1003.07	1003.02	1003.04	1002.98	1002.87	1003.03
	10	1002.74	1002.68	1002.71	1002.81	1002.79	1002.72	1002.77	1002.82	1002.77	1002.63	1002.51	1002.49	1002.70
	11	1002.52	1002.44	1002.30	1002.30	1002.35	1002.40	1002.36	1002.30	1002.28	1002.20	1002.13	1002.10	1002.30
	12	1002.02	1001.90	1001.84	1001.82	1001.79	1001.85	1001.95	1001.95	1001.97	1001.97	1001.96	1002.00	1001.92
	13	1002.03	1002.05	1002.04	1002.11	1002.27	1002.34	1002.34	1002.34	1002.38	1002.45	1002.48	1002.44	1002.27
	14	1002.40	1002.38	1002.32	1002.30	1002.33	1002.39	1002.43	1002.42	1002.47	1002.50	1002.46	1002.47	1002.40
	15	1002.49	1002.54	1002.58	1002.58	1002.59	1002.64	1002.72	1002.75	1002.76	1002.77	1002.77	1002.80	1002.66
	16	1002.90	1003.06	1003.18	1003.21	1003.21	1003.23	1003.23	1003.27	1003.32	1003.31	1003.31	1003.36	1003.21
	17	1003.41	1003.45	1003.51	1003.55	1003.49	1003.43	1003.48	1003.65	1003.87	1004.01	1004.00	1003.94	1003.65
	18	1003.90	1003.95	1004.10	1004.27	1004.38	1004.46	1004.55	1004.64	1004.72	1004.78	1004.83	1004.88	1004.45
	19	1004.95	1005.07	1005.14	1005.15	1005.14	1005.15	1005.23	1005.27	1005.22	1005.23	1005.26	1005.24	1005.17
	20	1005.22	1005.24	1005.27	1005.32	1005.34	1005.32	1005.34	1005.41	1005.46	1005.46	1005.46	1005.47	1005.36
	21	1005.49	1005.47	1005.38	1005.34	1005.37	1005.42	1005.43	1005.45	1005.56	1005.66	1005.71	1005.72	1005.50
	22	1005.73	1005.76	1005.83	1005.89	1005.94	1005.98	1006.05	1006.09	1006.07	1006.05	1006.04	1006.02	1005.95
	23	1006.03	1006.08	1006.10	1006.11	1006.15	1006.13	1006.11	1006.13	1006.15	1006.13	1006.12	1006.11	1006.11
18	0	1006.09	1006.06	1006.02	1006.08	1006.11	1005.98	1005.89	1005.94	1005.98	1005.94	1005.95	1005.99	1006.00
	1	1005.99	1005.95	1005.92	1005.89	1005.80	1005.70	1005.60	1005.52	1005.50	1005.53	1005.45	1005.34	1005.68
	2	1005.44	1005.55	1005.55	1005.64	1005.78	1005.76	1005.75	1005.79	1005.79	1005.74	1005.64	1005.67	1005.67
	3	1005.76	1005.71	1005.79	1005.88	1005.85	1005.88	1005.78	1005.61	1005.65	1005.80	1005.86	1005.73	1005.77
	4	1005.66	1005.71	1005.77	1005.77	1005.76	1005.85	1005.96	1006.05	1006.10	1006.18	1006.25	1006.33	1005.95
	5	1006.40	1006.42	1006.43	1006.46	1006.53	1006.58	1006.63	1006.70	1006.77	1006.76	1006.75	1006.86	1006.61
	6	1006.91	1006.82	1006.76	1006.74	1006.73	1006.71	1006.71	1006.73	1006.74	1006.80	1006.87	1006.91	1006.78
	7	1006.96	1006.94	1006.94	1007.01	1007.07	1007.06	1007.05	1007.05	1007.07	1007.12	1007.18	1007.24	1007.06
	8	1007.23	1007.18	1007.22	1007.28	1007.26	1007.21	1007.20	1007.19	1007.16	1007.16	1007.17	1007.18	1007.20
	9	1007.12	1007.09	1007.09	1007.04	1006.99	1006.99	1007.02	1007.02	1006.95	1006.90	1006.89	1006.82	1006.99
	10	1006.77	1006.76	1006.74	1006.71	1006.65	1006.60	1006.55	1006.49	1006.42	1006.40	1006.41	1006.36	1006.57
	11	1006.30	1006.27	1006.27	1006.29	1006.29	1006.28	1006.29	1006.32	1006.33	1006.29	1006.28	1006.31	1006.29
	12	1006.33	1006.29	1006.27	1006.27	1006.22	1006.17	1006.16	1006.14	1006.09	1006.03	1005.96	1005.90	1006.15
	13	1005.91	1005.97	1005.98	1005.98	1005.95	1005.83	1005.77	1005.76	1005.74	1005.76	1005.77	1005.77	1005.85
	14	1005.77	1005.78	1005.76	1005.70	1005.67	1005.68	1005.70	1005.67	1005.65	1005.64	1005.66	1005.66	1005.69
	15	1005.64	1005.68	1005.71	1005.66	1005.64	1005.64	1005.67	1005.70	1005.71	1005.78	1005.81	1005.75	1005.70
	16	1005.75	1005.80	1005.76	1005.72	1005.76	1005.80	1005.83	1005.83	1005.77	1005.71	1005.71	1005.74	1005.76
	17	1005.72	1005.64	1005.59	1005.59	1005.59	1005.59	1005.59	1005.53	1005.45	1005.44	1005.47	1005.49	1005.56
	18	1005.53	1005.57	1005.58	1005.58	1005.59	1005.61	1005.62	1005.61	1005.65	1005.68	1005.67	1005.66	1005.61
	19	1005.70	1005.73	1005.77	1005.84	1005.87	1005.88	1005.90	1005.93	1005.93	1005.92	1005.93	1005.94	1005.86
	20	1005.98	1006.01	1006.01	1006.02	1006.01	1006.01	1005.99	1005.94	1005.94	1005.92	1005.88	1005.86	1005.96
	21	1005.86	1005.85	1005.83	1005.85	1005.85	1005.83	1005.83	1005.86	1005.88	1005.88	1005.88	1005.90	1005.86
	22	1005.93	1005.96	1005.97	1005.94	1005.86	1005.76	1005.68	1005.64	1005.61	1005.60	1005.60	1005.59	1005.76
	23	1005.58	1005.53	1005.49	1005.49	1005.50	1005.55	1005.60	1005.60	1005.56	1005.49	1005.45	1005.43	1005.52

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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	1005.44	1005.46	1005.46	1005.43	1005.41	1005.38	1005.39	1005.40	1005.39	1005.41	1005.44	1005.44	1005.42
	1	1005.42	1005.39	1005.33	1005.26	1005.24	1005.13	1005.00	1004.97	1004.95	1004.93	1005.00	1005.05	1005.14
	2	1005.04	1005.04	1005.00	1004.97	1004.97	1004.96	1004.94	1004.93	1004.93	1004.93	1004.96	1004.97	1004.97
	3	1004.97	1004.98	1005.00	1005.00	1004.95	1004.94	1004.96	1004.94	1004.85	1004.78	1004.75	1004.73	1004.90
	4	1004.66	1004.69	1004.74	1004.70	1004.70	1004.69	1004.73	1004.80	1004.85	1004.88	1004.92	1004.96	1004.77
	5	1004.97	1005.00	1005.02	1005.09	1005.17	1005.20	1005.20	1005.23	1005.26	1005.26	1005.29	1005.30	1005.16
	6	1005.30	1005.29	1005.31	1005.36	1005.45	1005.49	1005.53	1005.58	1005.61	1005.65	1005.71	1005.71	1005.50
	7	1005.69	1005.71	1005.72	1005.71	1005.74	1005.79	1005.83	1005.86	1005.85	1005.82	1005.81	1005.81	1005.78
	8	1005.79	1005.81	1005.85	1005.87	1005.87	1005.84	1005.84	1005.86	1005.88	1005.87	1005.89	1005.93	1005.86
	9	1005.96	1005.98	1006.01	1006.03	1006.05	1006.05	1006.03	1006.00	1006.00	1006.01	1005.99	1005.98	1006.00
	10	1005.97	1005.93	1005.89	1005.90	1005.92	1005.87	1005.81	1005.80	1005.83	1005.88	1005.92	1005.90	1005.88
	11	1005.88	1005.88	1005.88	1005.90	1005.90	1005.91	1005.93	1005.92	1005.88	1005.85	1005.85	1005.84	1005.88
	12	1005.79	1005.80	1005.85	1005.87	1005.87	1005.84	1005.85	1005.85	1005.83	1005.79	1005.75	1005.75	1005.82
	13	1005.75	1005.74	1005.73	1005.73	1005.76	1005.79	1005.81	1005.83	1005.84	1005.82	1005.77	1005.74	1005.77
	14	1005.72	1005.72	1005.71	1005.72	1005.74	1005.79	1005.84	1005.88	1005.91	1005.97	1006.00	1006.01	1005.83
	15	1006.03	1006.07	1006.12	1006.15	1006.16	1006.16	1006.17	1006.20	1006.22	1006.24	1006.29	1006.34	1006.18
	16	1006.40	1006.48	1006.57	1006.61	1006.67	1006.71	1006.74	1006.82	1006.86	1006.84	1006.90	1007.00	1006.71
	17	1007.12	1007.24	1007.29	1007.29	1007.30	1007.34	1007.36	1007.40	1007.43	1007.49	1007.54	1007.55	1007.36
	18	1007.54	1007.56	1007.62	1007.70	1007.78	1007.88	1007.96	1008.03	1008.09	1008.14	1008.21	1008.26	1007.89
	19	1008.28	1008.32	1008.37	1008.43	1008.50	1008.50	1008.46	1008.48	1008.49	1008.47	1008.52	1008.58	1008.45
	20	1008.62	1008.65	1008.67	1008.67	1008.66	1008.65	1008.69	1008.75	1008.82	1008.89	1008.94	1008.97	1008.75
	21	1009.02	1009.03	1009.05	1009.08	1009.08	1009.09	1009.15	1009.22	1009.24	1009.28	1009.32	1009.34	1009.16
	22	1009.38	1009.46	1009.55	1009.60	1009.65	1009.66	1009.66	1009.67	1009.70	1009.72	1009.73	1009.75	1009.63
	23	1009.79	1009.81	1009.82	1009.84	1009.86	1009.87	1009.87	1009.87	1009.86	1009.85	1009.86	1009.89	1009.85
20	0	1009.87	1009.88	1009.89	1009.90	1009.90	1009.90	1009.95	1010.02	1010.09	1010.09	1010.05	1010.02	1009.96
	1	1010.01	1009.99	1009.98	1010.01	1010.02	1010.03	1010.08	1010.09	1010.08	1010.05	1010.06	1010.09	1010.04
	2	1010.11	1010.11	1010.09	1010.09	1010.10	1010.10	1010.08	1010.05	1010.01	1009.99	1009.99	1010.00	1010.06
	3	1010.04	1010.05	1010.02	1010.01	1010.04	1010.10	1010.13	1010.16	1010.19	1010.18	1010.19	1010.24	1010.11
	4	1010.27	1010.30	1010.35	1010.41	1010.46	1010.48	1010.50	1010.57	1010.61	1010.62	1010.64	1010.70	1010.49
	5	1010.76	1010.82	1010.88	1010.90	1010.94	1010.96	1010.96	1011.00	1011.04	1011.09	1011.15	1011.20	1010.97
	6	1011.24	1011.28	1011.32	1011.36	1011.39	1011.42	1011.46	1011.50	1011.53	1011.56	1011.60	1011.64	1011.44
	7	1011.69	1011.76	1011.80	1011.84	1011.87	1011.92	1011.98	1012.03	1012.07	1012.10	1012.15	1012.19	1011.95
	8	1012.21	1012.24	1012.27	1012.28	1012.32	1012.38	1012.42	1012.45	1012.48	1012.52	1012.58	1012.62	1012.40
	9	1012.66	1012.70	1012.70	1012.71	1012.73	1012.73	1012.73	1012.74	1012.74	1012.73	1012.71	1012.67	1012.71
	10	1012.65	1012.65	1012.63	1012.63	1012.63	1012.63	1012.64	1012.63	1012.61	1012.62	1012.61	1012.55	1012.62
	11	1012.53	1012.55	1012.56	1012.56	1012.56	1012.57	1012.58	1012.58	1012.58	1012.59	1012.58	1012.56	1012.56
	12	1012.50	1012.46	1012.47	1012.48	1012.47	1012.47	1012.47	1012.45	1012.44	1012.45	1012.47	1012.49	1012.47
	13	1012.52	1012.54	1012.54	1012.50	1012.51	1012.59	1012.61	1012.61	1012.62	1012.64	1012.62	1012.64	1012.58
	14	1012.68	1012.69	1012.71	1012.72	1012.75	1012.81	1012.83	1012.81	1012.83	1012.83	1012.78	1012.80	1012.77
	15	1012.80	1012.79	1012.83	1012.89	1012.94	1012.99	1013.08	1013.15	1013.18	1013.20	1013.23	1013.27	1013.03
	16	1013.29	1013.31	1013.34	1013.36	1013.40	1013.45	1013.48	1013.51	1013.54	1013.55	1013.59	1013.68	1013.46
	17	1013.74	1013.76	1013.80	1013.87	1013.95	1014.02	1014.09	1014.14	1014.19	1014.24	1014.29	1014.35	1014.04
	18	1014.39	1014.44	1014.50	1014.56	1014.61	1014.68	1014.78	1014.91	1015.00	1015.02	1015.06	1015.11	1014.75
	19	1015.14	1015.19	1015.23	1015.25	1015.29	1015.31	1015.33	1015.38	1015.40	1015.39	1015.39	1015.41	1015.31
	20	1015.43	1015.44	1015.45	1015.46	1015.49	1015.55	1015.58	1015.59	1015.60	1015.64	1015.66	1015.69	1015.55
	21	1015.72	1015.71	1015.70	1015.76	1015.82	1015.86	1015.86	1015.87	1015.88	1015.89	1015.93	1015.97	1015.83
	22	1015.96	1015.95	1015.97	1015.96	1015.95	1015.95	1015.95	1015.96	1015.97	1016.01	1016.07	1016.10	1015.98
	23	1016.10	1016.11	1016.13	1016.11	1016.07	1016.08	1016.13	1016.18	1016.22	1016.21	1016.18	1016.19	1016.14

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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	1016.24	1016.27	1016.30	1016.29	1016.28	1016.30	1016.30	1016.31	1016.29	1016.26	1016.25	1016.26	1016.28
	1	1016.27	1016.27	1016.29	1016.33	1016.35	1016.34	1016.35	1016.38	1016.38	1016.37	1016.37	1016.37	1016.34
	2	1016.36	1016.39	1016.42	1016.43	1016.43	1016.40	1016.38	1016.39	1016.41	1016.43	1016.44	1016.44	1016.41
	3	1016.44	1016.45	1016.47	1016.47	1016.46	1016.44	1016.42	1016.43	1016.46	1016.48	1016.47	1016.49	1016.45
	4	1016.52	1016.52	1016.51	1016.52	1016.54	1016.55	1016.59	1016.64	1016.69	1016.72	1016.75	1016.77	1016.61
	5	1016.82	1016.91	1016.97	1016.97	1017.00	1017.05	1017.10	1017.16	1017.20	1017.23	1017.24	1017.23	1017.07
	6	1017.26	1017.31	1017.35	1017.35	1017.36	1017.37	1017.39	1017.41	1017.43	1017.45	1017.47	1017.52	1017.39
	7	1017.56	1017.57	1017.61	1017.68	1017.75	1017.80	1017.83	1017.86	1017.88	1017.91	1017.94	1017.99	1017.78
	8	1018.05	1018.10	1018.15	1018.21	1018.25	1018.27	1018.28	1018.31	1018.33	1018.35	1018.36	1018.37	1018.25
	9	1018.36	1018.33	1018.30	1018.27	1018.25	1018.25	1018.26	1018.25	1018.25	1018.24	1018.22	1018.21	1018.26
	10	1018.20	1018.18	1018.17	1018.17	1018.16	1018.13	1018.12	1018.11	1018.08	1018.03	1017.99	1017.97	1018.11
	11	1017.96	1017.95	1017.93	1017.89	1017.88	1017.86	1017.79	1017.72	1017.70	1017.63	1017.57	1017.57	1017.78
	12	1017.57	1017.55	1017.56	1017.57	1017.55	1017.56	1017.54	1017.51	1017.52	1017.51	1017.47	1017.47	1017.53
	13	1017.49	1017.48	1017.45	1017.43	1017.39	1017.34	1017.31	1017.31	1017.30	1017.30	1017.31	1017.30	1017.36
	14	1017.25	1017.23	1017.25	1017.24	1017.18	1017.12	1017.13	1017.17	1017.21	1017.25	1017.27	1017.25	1017.21
	15	1017.24	1017.25	1017.26	1017.27	1017.29	1017.31	1017.33	1017.34	1017.33	1017.34	1017.33	1017.32	1017.30
	16	1017.31	1017.30	1017.32	1017.33	1017.35	1017.36	1017.35	1017.34	1017.32	1017.31	1017.32	1017.34	1017.33
	17	1017.38	1017.39	1017.39	1017.39	1017.41	1017.43	1017.47	1017.51	1017.55	1017.58	1017.61	1017.66	1017.48
	18	1017.73	1017.78	1017.84	1017.89	1017.93	1017.96	1017.99	1018.07	1018.12	1018.13	1018.14	1018.14	1017.98
	19	1018.19	1018.29	1018.35	1018.40	1018.47	1018.50	1018.52	1018.55	1018.57	1018.58	1018.61	1018.64	1018.47
	20	1018.62	1018.57	1018.55	1018.57	1018.58	1018.61	1018.64	1018.67	1018.70	1018.71	1018.72	1018.73	1018.64
	21	1018.75	1018.76	1018.77	1018.78	1018.79	1018.82	1018.82	1018.83	1018.83	1018.83	1018.84	1018.84	1018.80
	22	1018.86	1018.88	1018.92	1018.95	1018.96	1018.97	1018.98	1019.00	1019.02	1019.08	1019.13	1019.15	1018.99
	23	1019.15	1019.13	1019.16	1019.22	1019.24	1019.25	1019.27	1019.29	1019.33	1019.34	1019.35	1019.38	1019.26
22	0	1019.40	1019.40	1019.41	1019.42	1019.43	1019.44	1019.42	1019.39	1019.35	1019.34	1019.33	1019.31	1019.38
	1	1019.32	1019.33	1019.36	1019.40	1019.43	1019.46	1019.49	1019.49	1019.53	1019.55	1019.53	1019.52	1019.45
	2	1019.53	1019.54	1019.54	1019.54	1019.52	1019.48	1019.45	1019.45	1019.47	1019.49	1019.51	1019.53	1019.50
	3	1019.54	1019.54	1019.54	1019.56	1019.54	1019.52	1019.56	1019.61	1019.65	1019.71	1019.77	1019.81	1019.61
	4	1019.84	1019.86	1019.89	1019.93	1019.96	1020.01	1020.07	1020.12	1020.18	1020.21	1020.24	1020.30	1020.05
	5	1020.37	1020.42	1020.44	1020.46	1020.48	1020.51	1020.55	1020.60	1020.66	1020.70	1020.72	1020.71	1020.55
	6	1020.70	1020.68	1020.67	1020.68	1020.71	1020.74	1020.78	1020.83	1020.88	1020.89	1020.88	1020.91	1020.78
	7	1020.96	1020.98	1020.99	1020.99	1020.98	1021.00	1021.03	1021.06	1021.06	1021.07	1021.11	1021.14	1021.03
	8	1021.14	1021.15	1021.19	1021.22	1021.26	1021.28	1021.28	1021.30	1021.31	1021.32	1021.33	1021.31	1021.25
	9	1021.31	1021.33	1021.35	1021.35	1021.30	1021.24	1021.18	1021.15	1021.15	1021.12	1021.06	1020.98	1021.21
	10	1020.88	1020.81	1020.75	1020.72	1020.73	1020.74	1020.75	1020.73	1020.70	1020.67	1020.67	1020.67	1020.73
	11	1020.66	1020.65	1020.56	1020.48	1020.47	1020.44	1020.40	1020.34	1020.30	1020.21	1020.11	1020.08	1020.39
	12	1020.07	1020.05	1019.99	1019.92	1019.90	1019.87	1019.81	1019.80	1019.79	1019.73	1019.68	1019.68	1019.85
	13	1019.66	1019.62	1019.59	1019.54	1019.53	1019.52	1019.49	1019.43	1019.38	1019.36	1019.33	1019.27	1019.47
	14	1019.21	1019.17	1019.14	1019.13	1019.11	1019.13	1019.15	1019.16	1019.18	1019.15	1019.11	1019.10	1019.14
	15	1019.08	1019.11	1019.13	1019.11	1019.09	1019.07	1019.07	1019.06	1019.01	1018.99	1019.05	1019.10	1019.07
	16	1019.08	1019.07	1019.10	1019.14	1019.14	1019.18	1019.21	1019.22	1019.20	1019.18	1019.17	1019.15	1019.15
	17	1019.14	1019.15	1019.15	1019.15	1019.13	1019.09	1019.06	1019.04	1019.03	1019.05	1019.08	1019.08	1019.09
	18	1019.07	1019.08	1019.08	1019.05	1019.06	1019.08	1019.09	1019.10	1019.15	1019.20	1019.20	1019.21	1019.11
	19	1019.23	1019.25	1019.27	1019.28	1019.28	1019.32	1019.39	1019.39	1019.38	1019.44	1019.48	1019.51	1019.35
	20	1019.56	1019.59	1019.62	1019.67	1019.72	1019.77	1019.78	1019.77	1019.79	1019.80	1019.77	1019.73	1019.71
	21	1019.72	1019.75	1019.79	1019.79	1019.78	1019.78	1019.79	1019.81	1019.82	1019.80	1019.78	1019.80	1019.78
	22	1019.81	1019.78	1019.75	1019.73	1019.73	1019.72	1019.72	1019.68	1019.60	1019.57	1019.59	1019.61	1019.69
	23	1019.59	1019.57	1019.58	1019.66	1019.75	1019.76	1019.76	1019.77	1019.75	1019.77	1019.82	1019.85	1019.72

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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	1019.91	1019.91	1019.91	1019.89	1019.83	1019.77	1019.77	1019.77	1019.73	1019.66	1019.61	1019.59	1019.77
	1	1019.61	1019.64	1019.65	1019.62	1019.64	1019.65	1019.62	1019.62	1019.63	1019.63	1019.61	1019.58	1019.62
	2	1019.60	1019.61	1019.58	1019.56	1019.59	1019.60	1019.58	1019.57	1019.56	1019.53	1019.48	1019.41	1019.55
	3	1019.38	1019.40	1019.40	1019.41	1019.43	1019.43	1019.39	1019.39	1019.42	1019.39	1019.37	1019.38	1019.40
	4	1019.42	1019.47	1019.51	1019.52	1019.52	1019.54	1019.54	1019.54	1019.58	1019.62	1019.64	1019.69	1019.55
	5	1019.77	1019.80	1019.82	1019.86	1019.87	1019.83	1019.80	1019.82	1019.83	1019.84	1019.86	1019.83	1019.83
	6	1019.77	1019.70	1019.67	1019.68	1019.74	1019.80	1019.83	1019.85	1019.85	1019.90	1020.00	1020.07	1019.82
	7	1020.15	1020.21	1020.27	1020.30	1020.33	1020.34	1020.31	1020.28	1020.29	1020.33	1020.36	1020.35	1020.29
	8	1020.32	1020.33	1020.35	1020.35	1020.37	1020.37	1020.36	1020.33	1020.33	1020.33	1020.30	1020.24	1020.33
	9	1020.19	1020.21	1020.26	1020.27	1020.24	1020.20	1020.16	1020.12	1020.07	1020.00	1019.97	1019.95	1020.13
	10	1019.93	1019.94	1019.95	1019.91	1019.81	1019.71	1019.65	1019.59	1019.56	1019.55	1019.55	1019.55	1019.72
	11	1019.52	1019.47	1019.41	1019.38	1019.36	1019.31	1019.25	1019.20	1019.15	1019.11	1019.04	1019.00	1019.26
	12	1019.01	1019.01	1018.97	1018.89	1018.84	1018.80	1018.73	1018.67	1018.62	1018.57	1018.52	1018.52	1018.76
	13	1018.52	1018.48	1018.44	1018.38	1018.28	1018.22	1018.22	1018.23	1018.22	1018.20	1018.19	1018.15	1018.29
	14	1018.08	1018.07	1018.05	1018.01	1018.00	1017.97	1017.92	1017.90	1017.87	1017.83	1017.82	1017.80	1017.94
	15	1017.78	1017.75	1017.76	1017.77	1017.75	1017.73	1017.73	1017.77	1017.78	1017.78	1017.79	1017.79	1017.76
	16	1017.77	1017.75	1017.75	1017.74	1017.71	1017.68	1017.68	1017.66	1017.64	1017.65	1017.67	1017.70	1017.70
	17	1017.72	1017.72	1017.73	1017.72	1017.73	1017.74	1017.74	1017.73	1017.74	1017.74	1017.74	1017.74	1017.73
	18	1017.75	1017.76	1017.80	1017.85	1017.91	1017.98	1018.04	1018.07	1018.11	1018.14	1018.18	1018.23	1017.98
	19	1018.24	1018.24	1018.24	1018.24	1018.27	1018.27	1018.24	1018.17	1018.12	1018.07	1018.03	1018.03	1018.18
	20	1018.02	1018.01	1018.01	1018.01	1018.05	1018.07	1018.05	1018.01	1018.01	1018.01	1017.99	1017.96	1018.01
	21	1017.96	1017.96	1017.95	1017.96	1017.99	1017.99	1017.98	1017.97	1017.95	1017.94	1017.93	1017.91	1017.95
	22	1017.89	1017.88	1017.87	1017.84	1017.78	1017.75	1017.74	1017.72	1017.71	1017.69	1017.69	1017.69	1017.77
	23	1017.67	1017.66	1017.69	1017.71	1017.71	1017.73	1017.75	1017.76	1017.73	1017.69	1017.66	1017.63	1017.70
24	0	1017.64	1017.61	1017.59	1017.62	1017.62	1017.60	1017.59	1017.57	1017.54	1017.51	1017.48	1017.45	1017.56
	1	1017.42	1017.39	1017.35	1017.32	1017.31	1017.28	1017.27	1017.23	1017.17	1017.14	1017.14	1017.12	1017.26
	2	1017.08	1017.06	1017.06	1017.05	1017.00	1016.97	1016.97	1016.97	1016.99	1017.00	1017.01	1016.97	1017.01
	3	1016.93	1016.90	1016.83	1016.78	1016.77	1016.75	1016.69	1016.65	1016.61	1016.56	1016.56	1016.62	1016.72
	4	1016.66	1016.65	1016.63	1016.61	1016.60	1016.60	1016.66	1016.72	1016.74	1016.78	1016.82	1016.82	1016.69
	5	1016.82	1016.84	1016.88	1016.92	1016.91	1016.90	1016.87	1016.82	1016.81	1016.85	1016.91	1016.97	1016.87
	6	1017.01	1017.01	1017.01	1017.03	1017.03	1017.03	1017.06	1017.07	1017.08	1017.13	1017.16	1017.18	1017.06
	7	1017.18	1017.21	1017.27	1017.30	1017.31	1017.32	1017.33	1017.36	1017.42	1017.45	1017.47	1017.49	1017.34
	8	1017.53	1017.56	1017.56	1017.56	1017.58	1017.61	1017.61	1017.60	1017.58	1017.55	1017.54	1017.52	1017.56
	9	1017.49	1017.45	1017.43	1017.42	1017.39	1017.35	1017.32	1017.30	1017.28	1017.24	1017.21	1017.21	1017.34
	10	1017.21	1017.20	1017.19	1017.15	1017.13	1017.11	1017.11	1017.11	1017.09	1017.04	1016.98	1016.92	1017.10
	11	1016.89	1016.86	1016.83	1016.80	1016.78	1016.75	1016.71	1016.66	1016.62	1016.57	1016.54	1016.52	1016.71
	12	1016.47	1016.40	1016.34	1016.32	1016.32	1016.31	1016.27	1016.26	1016.24	1016.23	1016.22	1016.21	1016.30
	13	1016.22	1016.22	1016.20	1016.17	1016.16	1016.19	1016.20	1016.20	1016.20	1016.22	1016.23	1016.19	1016.20
	14	1016.14	1016.08	1016.02	1015.99	1015.96	1015.91	1015.87	1015.86	1015.84	1015.82	1015.82	1015.81	1015.92
	15	1015.81	1015.83	1015.85	1015.86	1015.84	1015.83	1015.83	1015.84	1015.85	1015.84	1015.83	1015.83	1015.84
	16	1015.81	1015.82	1015.84	1015.85	1015.87	1015.87	1015.85	1015.85	1015.87	1015.88	1015.90	1015.89	1015.86
	17	1015.91	1015.94	1015.94	1015.95	1016.00	1016.04	1016.07	1016.09	1016.14	1016.21	1016.27	1016.33	1016.07
	18	1016.39	1016.42	1016.46	1016.51	1016.55	1016.58	1016.60	1016.64	1016.68	1016.72	1016.76	1016.78	1016.59
	19	1016.81	1016.84	1016.86	1016.88	1016.88	1016.88	1016.89	1016.89	1016.87	1016.87	1016.87	1016.87	1016.86
	20	1016.85	1016.84	1016.82	1016.80	1016.78	1016.75	1016.74	1016.75	1016.74	1016.72	1016.72	1016.73	1016.77
	21	1016.73	1016.70	1016.67	1016.64	1016.63	1016.64	1016.65	1016.64	1016.64	1016.65	1016.67	1016.66	1016.66
	22	1016.65	1016.65	1016.64	1016.62	1016.57	1016.53	1016.50	1016.46	1016.47	1016.48	1016.45	1016.42	1016.53
	23	1016.41	1016.42	1016.41	1016.40	1016.39	1016.40	1016.41	1016.40	1016.38	1016.39	1016.41	1016.39	1016.40

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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
25	0	1016.38	1016.37	1016.35	1016.34	1016.34	1016.33	1016.28	1016.30	1016.32	1016.30	1016.27	1016.21	1016.31
	1	1016.15	1016.13	1016.12	1016.07	1016.04	1016.05	1016.02	1015.95	1015.89	1015.89	1015.91	1015.87	1016.01
	2	1015.84	1015.82	1015.80	1015.77	1015.73	1015.69	1015.65	1015.63	1015.62	1015.60	1015.59	1015.58	1015.69
	3	1015.56	1015.52	1015.50	1015.50	1015.49	1015.48	1015.48	1015.50	1015.51	1015.53	1015.56	1015.58	1015.51
	4	1015.61	1015.60	1015.56	1015.53	1015.54	1015.54	1015.55	1015.57	1015.57	1015.59	1015.62	1015.66	1015.58
	5	1015.71	1015.76	1015.79	1015.83	1015.88	1015.94	1015.98	1016.01	1015.99	1015.98	1015.98	1016.00	1015.90
	6	1016.06	1016.09	1016.11	1016.14	1016.16	1016.17	1016.18	1016.21	1016.27	1016.33	1016.37	1016.40	1016.21
	7	1016.45	1016.49	1016.52	1016.55	1016.56	1016.57	1016.59	1016.62	1016.64	1016.66	1016.69	1016.72	1016.59
	8	1016.74	1016.73	1016.66	1016.62	1016.63	1016.64	1016.63	1016.62	1016.62	1016.62	1016.62	1016.58	1016.64
	9	1016.52	1016.51	1016.48	1016.41	1016.35	1016.32	1016.29	1016.26	1016.21	1016.13	1016.08	1016.07	1016.30
	10	1016.08	1016.09	1016.11	1016.12	1016.11	1016.13	1016.15	1016.15	1016.14	1016.10	1016.04	1016.01	1016.10
	11	1015.96	1015.91	1015.89	1015.88	1015.85	1015.81	1015.78	1015.71	1015.67	1015.64	1015.58	1015.52	1015.76
	12	1015.46	1015.39	1015.31	1015.25	1015.24	1015.24	1015.22	1015.20	1015.20	1015.19	1015.15	1015.14	1015.25
	13	1015.13	1015.11	1015.10	1015.10	1015.08	1015.04	1015.01	1014.96	1014.92	1014.89	1014.85	1014.82	1015.00
	14	1014.81	1014.79	1014.73	1014.70	1014.68	1014.66	1014.66	1014.64	1014.62	1014.63	1014.65	1014.65	1014.68
	15	1014.63	1014.62	1014.59	1014.58	1014.58	1014.57	1014.55	1014.53	1014.52	1014.51	1014.49	1014.47	1014.55
	16	1014.48	1014.49	1014.50	1014.53	1014.57	1014.62	1014.65	1014.62	1014.58	1014.57	1014.63	1014.71	1014.58
	17	1014.74	1014.75	1014.77	1014.78	1014.78	1014.80	1014.84	1014.91	1014.97	1015.02	1015.06	1015.11	1014.88
	18	1015.16	1015.19	1015.20	1015.22	1015.28	1015.34	1015.37	1015.38	1015.40	1015.43	1015.42	1015.39	1015.31
	19	1015.41	1015.44	1015.48	1015.56	1015.60	1015.61	1015.59	1015.57	1015.62	1015.66	1015.67	1015.68	1015.57
	20	1015.70	1015.74	1015.77	1015.79	1015.82	1015.85	1015.87	1015.87	1015.89	1015.91	1015.91	1015.92	1015.83
	21	1015.94	1015.98	1016.02	1016.04	1016.05	1016.07	1016.07	1016.07	1016.06	1016.06	1016.06	1016.04	1016.04
	22	1016.01	1016.01	1016.02	1016.01	1016.00	1015.97	1015.94	1015.94	1015.96	1015.97	1015.97	1015.97	1015.98
	23	1015.95	1015.94	1015.95	1015.97	1016.00	1016.01	1015.98	1015.94	1015.93	1015.89	1015.84	1015.82	1015.93
26	0	1015.87	1015.86	1015.82	1015.78	1015.75	1015.73	1015.72	1015.66	1015.59	1015.57	1015.59	1015.58	1015.70
	1	1015.55	1015.49	1015.45	1015.43	1015.40	1015.40	1015.41	1015.38	1015.35	1015.37	1015.37	1015.36	1015.41
	2	1015.39	1015.41	1015.43	1015.45	1015.44	1015.42	1015.41	1015.40	1015.39	1015.38	1015.35	1015.33	1015.40
	3	1015.33	1015.34	1015.32	1015.30	1015.31	1015.30	1015.29	1015.28	1015.26	1015.24	1015.19	1015.17	1015.28
	4	1015.18	1015.21	1015.23	1015.23	1015.21	1015.20	1015.20	1015.20	1015.20	1015.23	1015.28	1015.34	1015.22
	5	1015.36	1015.31	1015.29	1015.30	1015.32	1015.33	1015.35	1015.40	1015.47	1015.51	1015.52	1015.54	1015.39
	6	1015.60	1015.66	1015.72	1015.75	1015.77	1015.81	1015.82	1015.80	1015.77	1015.76	1015.79	1015.84	1015.75
	7	1015.87	1015.87	1015.85	1015.85	1015.87	1015.87	1015.87	1015.88	1015.91	1015.95	1015.96	1015.97	1015.89
	8	1016.00	1015.98	1015.93	1015.91	1015.91	1015.94	1016.00	1016.05	1016.05	1016.02	1016.00	1015.98	1015.98
	9	1015.93	1015.87	1015.80	1015.76	1015.76	1015.73	1015.68	1015.66	1015.66	1015.67	1015.69	1015.70	1015.74
	10	1015.68	1015.65	1015.63	1015.59	1015.53	1015.51	1015.50	1015.50	1015.52	1015.52	1015.48	1015.46	1015.55
	11	1015.46	1015.43	1015.39	1015.33	1015.23	1015.16	1015.10	1015.02	1014.96	1014.93	1014.91	1014.88	1015.15
	12	1014.81	1014.76	1014.72	1014.66	1014.60	1014.53	1014.49	1014.46	1014.44	1014.41	1014.38	1014.32	1014.55
	13	1014.28	1014.27	1014.27	1014.26	1014.25	1014.26	1014.25	1014.23	1014.20	1014.17	1014.15	1014.13	1014.23
	14	1014.08	1014.04	1013.99	1013.93	1013.91	1013.90	1013.83	1013.77	1013.76	1013.72	1013.68	1013.64	1013.85
	15	1013.59	1013.57	1013.56	1013.53	1013.51	1013.52	1013.56	1013.60	1013.61	1013.63	1013.64	1013.65	1013.58
	16	1013.67	1013.70	1013.71	1013.72	1013.74	1013.76	1013.78	1013.83	1013.86	1013.84	1013.85	1013.88	1013.78
	17	1013.92	1013.93	1013.91	1013.91	1013.95	1014.00	1014.02	1014.03	1014.05	1014.07	1014.09	1014.11	1014.00
	18	1014.14	1014.17	1014.20	1014.21	1014.23	1014.27	1014.32	1014.38	1014.44	1014.49	1014.52	1014.55	1014.32
	19	1014.56	1014.58	1014.63	1014.65	1014.62	1014.61	1014.66	1014.72	1014.75	1014.75	1014.78	1014.84	1014.68
	20	1014.87	1014.88	1014.88	1014.86	1014.84	1014.83	1014.83	1014.84	1014.84	1014.84	1014.85	1014.83	1014.85
	21	1014.81	1014.80	1014.76	1014.74	1014.76	1014.79	1014.79	1014.80	1014.84	1014.87	1014.88	1014.89	1014.81
	22	1014.91	1014.92	1014.95	1014.95	1014.92	1014.88	1014.87	1014.89	1014.88	1014.88	1014.90	1014.95	1014.91
	23	1014.95	1014.96	1014.97	1014.97	1015.01	1015.02	1014.98	1014.96	1015.01	1015.04	1015.04	1015.07	1015.00



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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	1015.03	1015.02	1014.96	1014.90	1014.88	1014.89	1014.89	1014.88	1014.86	1014.87	1014.86	1014.79	1014.89
	1	1014.73	1014.73	1014.73	1014.68	1014.66	1014.66	1014.64	1014.62	1014.59	1014.60	1014.59	1014.57	1014.65
	2	1014.57	1014.58	1014.59	1014.61	1014.59	1014.53	1014.51	1014.53	1014.54	1014.60	1014.65	1014.67	1014.58
	3	1014.65	1014.61	1014.57	1014.55	1014.50	1014.44	1014.41	1014.39	1014.40	1014.45	1014.42	1014.36	1014.48
	4	1014.33	1014.30	1014.27	1014.29	1014.33	1014.36	1014.35	1014.32	1014.38	1014.51	1014.52	1014.46	1014.37
	5	1014.43	1014.39	1014.40	1014.48	1014.52	1014.52	1014.56	1014.64	1014.66	1014.65	1014.62	1014.61	1014.54
	6	1014.59	1014.60	1014.66	1014.72	1014.76	1014.77	1014.80	1014.85	1014.90	1014.97	1015.02	1015.05	1014.80
	7	1015.05	1015.06	1015.10	1015.13	1015.16	1015.18	1015.18	1015.18	1015.18	1015.20	1015.23	1015.24	1015.15
	8	1015.22	1015.22	1015.25	1015.26	1015.25	1015.24	1015.22	1015.20	1015.16	1015.12	1015.11	1015.09	1015.19
	9	1015.04	1015.00	1015.00	1015.00	1014.96	1014.94	1014.93	1014.93	1014.89	1014.83	1014.78	1014.73	1014.92
	10	1014.68	1014.64	1014.58	1014.52	1014.47	1014.42	1014.39	1014.38	1014.37	1014.33	1014.28	1014.25	1014.44
	11	1014.20	1014.15	1014.12	1014.06	1014.00	1013.96	1013.93	1013.89	1013.83	1013.78	1013.74	1013.68	1013.94
	12	1013.63	1013.59	1013.55	1013.53	1013.51	1013.50	1013.52	1013.54	1013.57	1013.56	1013.55	1013.56	1013.55
	13	1013.56	1013.53	1013.52	1013.50	1013.48	1013.49	1013.49	1013.48	1013.46	1013.46	1013.46	1013.44	1013.49
	14	1013.43	1013.42	1013.42	1013.42	1013.41	1013.42	1013.43	1013.40	1013.38	1013.38	1013.37	1013.38	1013.40
	15	1013.41	1013.42	1013.44	1013.45	1013.43	1013.42	1013.41	1013.40	1013.40	1013.41	1013.42	1013.43	1013.42
	16	1013.42	1013.42	1013.43	1013.44	1013.44	1013.43	1013.41	1013.38	1013.36	1013.33	1013.33	1013.35	1013.39
	17	1013.37	1013.38	1013.39	1013.40	1013.45	1013.50	1013.51	1013.51	1013.51	1013.51	1013.52	1013.53	1013.46
	18	1013.51	1013.53	1013.57	1013.60	1013.62	1013.63	1013.66	1013.72	1013.77	1013.79	1013.81	1013.84	1013.67
	19	1013.89	1013.94	1013.98	1014.02	1014.05	1014.08	1014.11	1014.13	1014.14	1014.14	1014.14	1014.12	1014.06
	20	1014.10	1014.09	1014.07	1014.03	1013.98	1013.96	1013.94	1013.95	1013.98	1014.00	1014.03	1014.03	1014.01
	21	1014.00	1014.02	1014.04	1014.01	1013.99	1013.99	1013.96	1013.92	1013.88	1013.83	1013.79	1013.75	1013.93
	22	1013.69	1013.67	1013.68	1013.67	1013.65	1013.67	1013.71	1013.69	1013.66	1013.64	1013.63	1013.62	1013.66
	23	1013.63	1013.67	1013.68	1013.68	1013.64	1013.64	1013.64	1013.63	1013.64	1013.64	1013.61	1013.60	1013.64
28	0	1013.61	1013.62	1013.61	1013.61	1013.59	1013.54	1013.53	1013.53	1013.53	1013.52	1013.49	1013.43	1013.55
	1	1013.39	1013.37	1013.31	1013.27	1013.27	1013.28	1013.28	1013.29	1013.31	1013.31	1013.31	1013.26	1013.30
	2	1013.18	1013.10	1013.10	1013.13	1013.13	1013.12	1013.13	1013.15	1013.12	1013.09	1013.04	1013.01	1013.11
	3	1012.97	1012.93	1012.90	1012.88	1012.87	1012.83	1012.85	1012.91	1012.91	1012.90	1012.93	1012.94	1012.90
	4	1012.94	1012.94	1012.96	1012.98	1013.01	1013.03	1013.07	1013.13	1013.17	1013.21	1013.27	1013.31	1013.08
	5	1013.35	1013.38	1013.40	1013.40	1013.40	1013.40	1013.42	1013.46	1013.49	1013.53	1013.57	1013.62	1013.45
	6	1013.68	1013.68	1013.65	1013.64	1013.65	1013.65	1013.66	1013.69	1013.72	1013.76	1013.79	1013.80	1013.70
	7	1013.81	1013.84	1013.87	1013.90	1013.95	1013.98	1014.00	1014.02	1014.05	1014.07	1014.07	1014.06	1013.96
	8	1014.06	1014.10	1014.14	1014.15	1014.15	1014.15	1014.14	1014.13	1014.10	1014.05	1014.03	1014.03	1014.10
	9	1013.97	1013.93	1013.91	1013.87	1013.80	1013.72	1013.65	1013.62	1013.59	1013.52	1013.48	1013.48	1013.71
	10	1013.42	1013.36	1013.31	1013.28	1013.24	1013.19	1013.16	1013.16	1013.15	1013.10	1013.01	1012.93	1013.19
	11	1012.88	1012.84	1012.83	1012.84	1012.82	1012.77	1012.69	1012.60	1012.50	1012.41	1012.36	1012.32	1012.65
	12	1012.32	1012.31	1012.29	1012.29	1012.23	1012.19	1012.16	1012.15	1012.18	1012.19	1012.17	1012.15	1012.22
	13	1012.11	1012.09	1012.11	1012.11	1012.06	1012.01	1012.06	1012.10	1012.08	1012.03	1011.96	1011.92	1012.05
	14	1011.91	1011.85	1011.82	1011.82	1011.85	1011.90	1011.93	1011.96	1011.97	1011.96	1011.89	1011.83	1011.89
	15	1011.80	1011.78	1011.75	1011.72	1011.73	1011.76	1011.80	1011.89	1012.00	1012.05	1012.07	1012.09	1011.87
	16	1012.08	1012.09	1012.14	1012.21	1012.24	1012.20	1012.18	1012.20	1012.15	1012.10	1012.09	1012.09	1012.15
	17	1012.11	1012.15	1012.15	1012.14	1012.18	1012.14	1012.14	1012.21	1012.21	1012.24	1012.27	1012.29	1012.18
	18	1012.34	1012.34	1012.28	1012.21	1012.17	1012.16	1012.19	1012.26	1012.32	1012.34	1012.31	1012.24	1012.26
	19	1012.22	1012.25	1012.26	1012.26	1012.31	1012.35	1012.38	1012.35	1012.27	1012.28	1012.33	1012.34	1012.30
	20	1012.26	1012.22	1012.21	1012.14	1012.09	1012.11	1012.00	1011.87	1011.91	1011.96	1011.91	1011.84	1012.04
	21	1011.78	1011.75	1011.76	1011.78	1011.79	1011.70	1011.61	1011.60	1011.63	1011.66	1011.68	1011.72	1011.70
	22	1011.73	1011.68	1011.66	1011.70	1011.69	1011.61	1011.51	1011.49	1011.56	1011.58	1011.57	1011.59	1011.61
	23	1011.60	1011.65	1011.75	1011.76	1011.69	1011.62	1011.58	1011.56	1011.55	1011.44	1011.26	1011.09	1011.54

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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	1011.32	1011.66	1012.05	1012.07	1011.94	1011.72	1011.51	1011.33	1011.19	1011.15	1011.17	1011.23	1011.54
	1	1011.30	1011.31	1011.28	1011.23	1011.11	1010.91	1010.78	1010.73	1010.72	1010.86	1011.00	1010.94	1011.01
	2	1010.88	1010.91	1010.96	1011.01	1011.05	1011.07	1011.11	1011.12	1011.06	1011.02	1010.95	1010.90	1011.00
	3	1010.91	1010.90	1010.83	1010.69	1010.56	1010.36	1010.15	1010.21	1010.41	1010.44	1010.40	1010.37	1010.52
	4	1010.35	1010.40	1010.36	1010.26	1010.18	1010.08	1009.97	1009.90	1009.96	1010.06	1010.11	1010.03	1010.14
	5	1009.87	1009.77	1009.65	1009.49	1009.29	1009.14	1009.14	1009.13	1009.00	1008.89	1008.85	1008.87	1009.26
	6	1008.94	1008.95	1008.92	1008.92	1008.87	1008.84	1008.84	1008.73	1008.58	1008.49	1008.47	1008.57	1008.76
	7	1008.72	1008.96	1009.16	1009.29	1009.38	1009.41	1009.43	1009.44	1009.43	1009.44	1009.43	1009.39	1009.29
	8	1009.36	1009.36	1009.39	1009.38	1009.35	1009.34	1009.33	1009.35	1009.40	1009.43	1009.46	1009.47	1009.38
	9	1009.47	1009.45	1009.42	1009.39	1009.36	1009.27	1009.14	1009.00	1008.83	1008.68	1008.61	1008.53	1009.09
	10	1008.41	1008.31	1008.19	1007.99	1007.75	1007.77	1007.86	1007.76	1007.71	1007.68	1007.61	1007.54	1007.88
	11	1007.44	1007.36	1007.32	1007.32	1007.37	1007.40	1007.32	1007.14	1007.10	1007.19	1007.29	1007.36	1007.30
	12	1007.26	1007.16	1007.12	1006.98	1006.82	1006.73	1006.58	1006.46	1006.36	1006.21	1006.04	1005.92	1006.63
	13	1005.88	1005.84	1005.75	1005.62	1005.53	1005.51	1005.45	1005.39	1005.37	1005.34	1005.36	1005.40	1005.53
	14	1005.38	1005.38	1005.47	1005.55	1005.57	1005.55	1005.53	1005.53	1005.54	1005.56	1005.59	1005.57	1005.52
	15	1005.57	1005.57	1005.61	1005.62	1005.64	1005.67	1005.65	1005.69	1005.69	1005.69	1005.74	1005.55	1005.64
	16	1005.32	1005.42	1005.51	1005.50	1005.51	1005.53	1005.57	1005.60	1005.57	1005.50	1005.49	1005.47	1005.50
	17	1005.44	1005.63	1005.68	1005.47	1005.45	1005.50	1005.48	1005.46	1005.38	1005.25	1005.16	1005.14	1005.42
	18	1005.15	1005.15	1005.17	1005.16	1005.13	1005.07	1005.04	1005.07	1005.10	1005.06	1005.03	1005.09	1005.10
	19	1005.15	1005.13	1005.24	1005.38	1005.29	1004.93	1004.97	1005.27	1005.17	1004.98	1004.67	1004.59	1005.06
	20	1004.81	1004.87	1004.93	1005.06	1005.08	1005.05	1005.02	1004.97	1004.95	1004.89	1004.79	1004.76	1004.93
	21	1004.74	1004.76	1004.79	1004.68	1004.58	1004.59	1004.55	1004.48	1004.39	1004.21	1004.05	1004.02	1004.48
	22	1004.03	1004.04	1004.04	1004.00	1003.92	1003.81	1003.70	1003.52	1003.38	1003.41	1003.38	1003.41	1003.72
	23	1003.49	1003.45	1003.30	1003.08	1003.04	1003.12	1003.18	1003.14	1003.09	1003.13	1003.13	1003.16	1003.19
30	0	1003.13	1003.09	1003.07	1003.02	1002.87	1002.84	1002.84	1002.79	1002.84	1002.91	1002.89	1002.82	1002.92
	1	1002.76	1002.72	1002.68	1002.61	1002.46	1002.30	1002.17	1002.09	1002.07	1002.04	1001.98	1001.95	1002.32
	2	1001.96	1002.00	1002.10	1002.15	1002.17	1002.18	1002.17	1002.12	1002.14	1002.13	1002.03	1001.96	1002.09
	3	1001.93	1001.86	1001.84	1001.84	1001.80	1001.76	1001.74	1001.72	1001.73	1001.81	1001.90	1001.95	1001.82
	4	1001.93	1001.91	1001.92	1001.94	1001.95	1001.95	1001.97	1001.96	1001.92	1001.93	1001.95	1001.92	1001.93
	5	1001.84	1001.83	1001.86	1001.88	1001.85	1001.78	1001.69	1001.70	1001.74	1001.72	1001.75	1001.75	1001.78
	6	1001.72	1001.70	1001.68	1001.66	1001.65	1001.63	1001.60	1001.55	1001.54	1001.53	1001.51	1001.55	1001.61
	7	1001.57	1001.59	1001.59	1001.59	1001.59	1001.62	1001.64	1001.64	1001.64	1001.64	1001.66	1001.64	1001.62
	8	1001.63	1001.65	1001.65	1001.66	1001.67	1001.61	1001.58	1001.58	1001.57	1001.55	1001.48	1001.45	1001.59
	9	1001.44	1001.39	1001.32	1001.30	1001.31	1001.33	1001.31	1001.21	1001.14	1001.09	1001.04	1000.99	1001.24
	10	1000.90	1000.82	1000.78	1000.78	1000.83	1000.90	1001.03	1001.11	1001.11	1001.27	1001.43	1001.60	1001.05
	11	1002.03	1002.56	1002.55	1002.01	1001.72	1001.76	1001.78	1001.78	1001.78	1001.66	1001.53	1001.43	1001.88
	12	1001.29	1001.20	1001.15	1001.07	1001.01	1001.02	1001.08	1001.12	1001.17	1001.18	1001.14	1001.04	1001.12
	13	1000.89	1000.77	1000.75	1000.80	1000.83	1000.86	1000.88	1000.87	1000.88	1000.92	1000.90	1000.84	1000.85
	14	1000.81	1000.79	1000.77	1000.78	1000.82	1000.81	1000.78	1000.80	1000.84	1000.87	1000.94	1001.03	1000.84
	15	1001.08	1001.09	1001.14	1001.19	1001.20	1001.21	1001.22	1001.21	1001.20	1001.19	1001.16	1001.17	1001.17
	16	1001.21	1001.25	1001.28	1001.32	1001.36	1001.45	1001.56	1001.65	1001.75	1001.81	1001.86	1001.90	1001.53
	17	1001.96	1002.04	1002.10	1002.12	1002.14	1002.20	1002.32	1002.41	1002.46	1002.50	1002.52	1002.56	1002.27
	18	1002.58	1002.57	1002.62	1002.69	1002.71	1002.75	1002.81	1002.86	1002.89	1002.86	1002.84	1002.86	1002.75
	19	1002.90	1002.95	1002.94	1002.97	1003.02	1003.04	1003.03	1003.04	1003.06	1003.10	1003.16	1003.23	1003.03
	20	1003.29	1003.36	1003.42	1003.43	1003.46	1003.51	1003.58	1003.66	1003.71	1003.73	1003.71	1003.69	1003.54
	21	1003.69	1003.76	1003.85	1003.94	1004.04	1004.04	1003.97	1003.94	1003.90	1003.83	1003.81	1003.82	1003.88
	22	1003.84	1003.89	1003.93	1003.94	1003.92	1003.94	1003.94	1003.91	1003.92	1003.95	1003.93	1003.90	1003.92
	23	1003.92	1003.96	1003.99	1004.01	1004.00	1003.97	1003.99	1004.03	1004.04	1004.05	1004.07	1004.10	1004.01

