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SVIRCO Prompt Report: October 2011

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI FISICA DELLO SPAZIO INTERPLANETARIO

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: October 2011

Fabrizio Signoretti and Francesco Re

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Abstract

The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in October 2011 by the Neutron Monitor of SVIRCO-Rome (present geographic position: 41.86° N - 12.47° E; altitude about s.l.), is reported in prompt form together with the barometric pressure data.

SVIRCO OBSERVATORY

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

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

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

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

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

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

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

In order to improve the reliability of the recorded data and to prevent measurement breakdowns, two independent systems perform contemporary the data acquisition. Each system is remotely controlled by a dedicated computer and is timed by a high stability quartz clock and/or a GPS receiver. One equipment runs according to a timing of 1 minute and fulfils the acquisition of the 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, IFSI/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 Fisica dello Spazio Interplanetario - Area di Ricerca Tor Vergata
Via del Fosso del Cavaliere,100 00133 Roma - Italy,

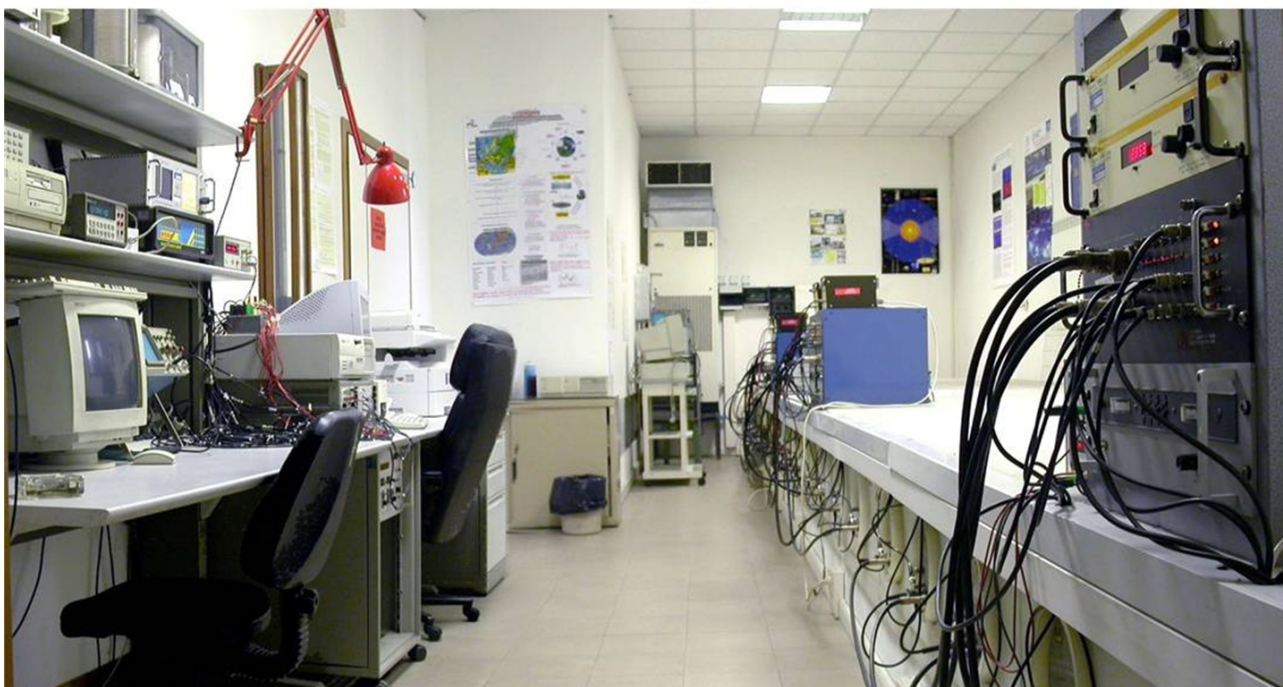
stefano.massetti@ifs-roma.inaf.it



S.V.I.R.CO. Observatory

Rome

Italy



INAF/UNIromaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - October 2011											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	44752	45592	45873	45651	45335	44848	45638	46069	45206	45422	44885	45403	98.698
	1	44737	45920	45449	45259	45046	45480	45348	45778	45452	46166	45425	45241	98.816
	2	45599	45539	45411	45380	44935	46093	45473	45224	45303	45206	45210	46009	98.831
	3	45440	45770	45119	45611	45284	45446	45396	45085	45217	45570	45835	45562	98.822
	4	45730	45694	45650	45423	45105	45424	45191	46231	45663	45532	45559	44998	98.980
	5	45301	45399	45444	45142	45128	44873	45492	45169	45646	44653	45213	45080	98.316
	6	45681	44945	46226	44791	45195	45658	45179	45303	45762	45561	45489	45926	98.891
	7	46270	45703	44748	45245	45492	45533	45996	45146	45441	45171	45382	45020	98.789
	8	44979	45193	44646	45606	45911	45397	45519	45351	45088	44813	45832	45541	98.558
	9	45178	45495	45800	45181	44972	45412	45006	45407	45619	45545	45192	45662	98.665
	10	45565	44876	45180	45583	45276	45492	45727	45451	45791	44956	45615	45431	98.752
	11	45275	45962	45637	45642	45322	46079	45872	45355	45825	45417	45217	44993	99.051
	12	45557	45470	45575	45481	45863	45216	45893	45375	45251	45232	45091	44863	98.737
	13	45959	45209	45621	45607	46138	45197	45865	45048	45340	44941	45456	45360	98.896
	14	45244	45464	45184	45572	44842	45936	45854	45573	45502	45818	45685	45303	98.939
	15	45521	45104	45196	45730	45712	44969	45400	45094	45446	45299	44918	45332	98.530
	16	45202	45445	45184	45569	45258	45204	45537	45398	45842	45294	45744	44973	98.699
	17	45188	45428	45833	45914	45272	45421	45402	45353	45445	45110	45702	45867	98.931
	18	45600	45543	45473	45885	45706	45515	45898	45318	45526	45586	45527	46032	99.234
	19	45813	45490	45400	45065	45440	45272	45960	45954	45876	45870	46077	45857	99.319
	20	45296	46308	46120	45076	46002	46114	45805	45379	46163	45819	45745	45581	99.561
	21	45923	46506	45613	46242	45814	45283	45529	45328	45492	46253	45545	45837	99.553
	22	45706	45570	44874	45818	46154	46449	45553	45657	45693	45564	45819	45340	99.341
	23	46427	45729	45835	46191	46021	45944	45680	45789	45421	45602	45767	46055	99.751
2	0	45528	45828	45142	45846	45869	45538	45872	45864	45452	45906	45808	45856	99.393
	1	46637	45927	46418	45240	45646	45975	46007	45883	45821	46113	45965	45582	99.888
	2	46079	45869	45761	45186	45456	45309	45970	46289	45516	45349	45965	45770	99.399
	3	45086	46230	45724	45576	45011	45491	45481	45735	45915	45516	45961	45602	99.184
	4	45115	45487	45093	44937	45192	45112	45229	44948	45123	45422	44979	45734	98.285
	5	44828	45356	46304	45915	45279	44797	45771	45447	45652	45442	45538	45793	98.965
	6	45298	45055	45473	44929	45445	45289	45529	45741	44785	45411	45366	45474	98.543
	7	45173	44902	45432	45976	45297	45389	45013	44901	45336	45719	45121	45209	98.484
	8	45832	45655	44864	45658	45584	45677	45394	46041	45681	44789	45881	45484	99.041
	9	45207	44870	45926	45341	45186	45799	44883	45735	45313	44743	45398	45269	98.521
	10	44819	45415	45232	45508	45608	45368	45517	45051	45388	46115	45510	45608	98.788
	11	45715	45601	45715	45314	44877	45218	44787	45607	45814	45428	45679	45869	98.875
	12	45572	45208	45851	45663	44968	45234	45155	45719	45877	45292	44937	45534	98.764
	13	45565	45671	45168	45477	44984	45824	45473	45076	45354	45540	45164	45648	98.751
	14	45532	45576	44561	45613	45681	44978	45487	45199	44786	45599	44867	44962	98.371
	15	45178	46269	46169	45323	46110	44977	44877	45989	45435	45346	45698	44839	98.981
	16	45299	45633	44920	45155	45206	45551	45050	45872	44989	45405	45422	44633	98.424
	17	45555	45321	45101	44738	45582	45185	45350	45716	45125	45644	45550	45807	98.703
	18	45479	45443	45007	45105	45912	45305	45230	45189	45913	45057	45326	45595	98.682
	19	45453	45489	45386	45974	45499	45107	45000	45474	46399	45665	45686	45071	98.980
	20	45111	45534	46243	45742	46220	46299	45573	46358	45903	45079	45761	44928	99.441
	21	45621	45738	44951	45693	45289	46101	45466	45594	45475	45927	45843	46016	99.254
	22	45817	45736	45818	45645	45539	46528	45751	45703	45943	45659	45667	45145	99.478
	23	46007	45847	46131	46031	45605	45028	45867	45240	45604	45619	45674	45097	99.260

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2011											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	45320	45726	45425	45421	46024	45377	45619	45098	45353	45584	45211	45068	98.803
	1	45068	45764	45532	45443	45411	45672	45481	45093	44464	45382	45548	45044	98.563
	2	45428	45414	45988	45227	45355	44911	45607	44931	45758	45114	44722	45354	98.546
	3	45713	44773	45025	45782	45763	45728	45946	46111	45372	45377	45750	45760	99.142
	4	45249	45359	46147	45738	45707	45297	45404	45406	45337	45149	44982	44600	98.649
	5	45722	44818	45570	45092	45358	44667	45573	45168	45784	46191	45274	45371	98.687
	6	45556	45732	45609	45163	44734	45565	45661	45330	45612	45802	45866	45865	99.033
	7	45619	46104	45299	44765	45736	45150	45850	45450	45315	45377	45557	45065	98.814
	8	46142	45669	45248	45724	45410	45528	45759	45654	45476	46334	45165	45451	99.226
	9	44985	45406	45406	45833	45122	45886	45547	46079	45738	46116	45513	45942	99.228
	10	45268	46539	45611	45463	45418	45984	45228	45203	45681	45501	46121	45431	99.205
	11	46162	45667	46246	45330	45494	45053	45715	45864	45687	45285	46206	45426	99.330
	12	45510	46094	45112	45686	45595	46042	45761	45344	44811	46216	45944	45119	99.166
	13	45764	45214	45548	45466	44923	45674	45349	46240	45892	46191	45824	45310	99.196
	14	45350	45240	45911	45637	45607	46312	45980	45905	45551	45114	46031	45695	99.366
	15	45446	45241	46193	46799	45611	45903	45668	45228	45784	45297	45406	45408	99.302
	16	45743	45596	45621	45544	46027	46020	45216	45418	46042	45788	45621	45879	99.399
	17	46184	45504	45735	45264	45700	44793	45862	45768	45352	45896	45585	45463	99.143
	18	45652	46063	45845	45281	45878	45550	45931	45053	45402	45306	45931	45599	99.214
	19	45866	45476	46149	45557	45587	45752	45396	45396	45411	45526	45484	44622	98.983
	20	45757	45327	45686	45875	44424	45037	45342	44872	45331	45172	45828	45688	98.642
	21	44440	45397	44875	45778	46113	45646	45672	45316	45329	45453	45363	45381	98.719
	22	45439	45515	46091	46097	45198	45289	45681	45345	45605	45091	45155	45202	98.890
	23	45581	45817	45513	45848	46054	45217	45558	45642	45993	45550	45581	44754	99.143
4	0	45582	45113	45988	45037	45403	45625	45442	45538	45780	45193	45389	45316	98.832
	1	45478	45559	45109	45255	45644	45259	45289	44874	44694	44629	45090	45403	98.269
	2	45895	45408	45645	45464	45727	46091	45576	45735	45346	45252	44949	45406	99.032
	3	45635	46103	45341	45634	45733	45818	45376	45406	45370	45494	45691	45423	99.129
	4	45440	45290	44885	45413	45968	45127	45766	45871	45198	45687	45560	45481	98.886
	5	45554	45237	45476	45112	45758	45611	46112	45158	45637	45723	46088	45770	99.167
	6	45261	45825	45737	45380	45897	45288	45602	45468	45958	45223	44836	45316	98.905
	7	45722	45419	45259	45275	45777	45707	45202	46007	45059	46002	45817	45705	99.115
	8	45940	46159	45070	45895	45950	44913	45444	45492	45977	45694	45468	46108	99.325
	9	45599	45638	45095	45807	44960	45223	45849	46019	45651	46465	46261	45459	99.311
	10	45773	45844	45498	45819	45758	46044	45172	45582	45722	45915	45735	45818	99.428
	11	46028	46198	45984	45755	45361	46018	45490	45574	45550	45446	46051	45440	99.467
	12	45309	45467	45445	45186	45154	45675	45889	45793	45959	45592	45690	45279	99.023
	13	45542	45863	45058	45736	46130	46059	45462	45505	46027	45987	45710	45958	99.493
	14	45787	45741	45749	46025	45385	46296	46174	45887	45939	45166	45493	46385	99.673
	15	46010	45807	45609	46404	46102	45805	46069	44999	46126	46126	45469	46025	99.767
	16	45416	45562	45629	45635	46185	46015	45259	45578	45851	45709	46051	45554	99.386
	17	45530	46055	45597	45931	45901	45582	46458	45540	45155	45126	45508	45461	99.277
	18	45531	45790	46026	46006	45648	45874	45603	45764	45032	45521	45821	44853	99.210
	19	44990	45593	45413	45445	46064	45531	45249	45447	45665	46098	45380	45901	99.083
	20	45176	45484	45074	45519	45400	45861	45716	45975	45781	45615	45305	45234	98.968
	21	45329	45160	45738	44868	44804	45444	44755	45329	46305	45430	44834	45876	98.557
	22	45421	45753	45757	45826	45864	45302	45468	45705	45096	45919	45795	45625	99.220
	23	45578	45644	45296	44861	45613	44971	45652	45074	45784	45031	44492	45753	98.535

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2011											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	45217	45216	45748	45209	44958	45584	45129	44903	45851	45221	45486	45452	98.574
	1	45151	45272	45857	45669	44791	44849	46073	45270	45508	45962	45512	45071	98.759
	2	45048	45542	44610	44865	45500	45751	45549	45415	45377	45654	45839	45503	98.699
	3	45447	46034	45352	45866	45575	45131	45256	45485	45444	46155	45159	45651	99.043
	4	45664	46319	45730	45244	45717	45478	45153	46087	46333	45518	46072	46013	99.546
	5	46134	45892	45399	45375	44722	46134	45415	45312	46650	45112	45721	45491	99.189
	6	45532	46159	45645	45423	45669	46156	45744	45277	45673	45619	46159	45555	99.416
	7	46031	45469	45529	46451	45879	45795	46555	45781	45966	45736	45512	45400	99.687
	8	46152	45463	45666	45641	45610	45539	45237	46253	45885	45027	45675	45310	99.207
	9	45659	45572	45783	45245	45527	45460	45157	45716	45633	45652	45326	45625	99.007
	10	46075	45693	45702	45759	46014	46004	45950	45861	45249	46101	45257	46241	99.651
	11	45423	45712	45445	45539	45769	45543	45613	45650	45997	45314	45444	45537	99.122
	12	45640	46431	45389	45202	45873	45089	45169	45366	45252	45376	45962	45417	98.973
	13	45538	45445	45630	45296	45579	45189	45031	46040	45202	45100	45578	46327	98.935
	14	45735	45714	45881	45961	45535	45768	45670	45659	46050	45829	45991	45430	99.527
	15	45015	45779	45541	45814	44902	44978	45516	45659	46252	45134	44688	45631	98.745
	16	45422	45313	45390	45413	44976	45042	45123	45256	45271	45491	45537	44853	98.415
	17	45723	45487	45101	45156	44954	44684	45067	45674	45588	45352	45166	44807	98.356
	18	45136	44820	44843	44910	44713	45364	45256	45375	45697	44731	44856	45282	98.033
	19	44939	44386	45006	45306	45084	44599	44807	44212	44657	45040	45379	44696	97.513
	20	45307	44696	45261	44997	44934	44997	44669	44691	44508	44697	44430	45357	97.592
	21	45278	45110	45397	44555	44773	44642	44350	44280	44177	44545	45275	45281	97.432
	22	44962	44612	44654	44901	44890	44664	44716	45247	45220	44863	45679	44887	97.728
	23	44969	45269	45273	44988	44888	45064	45444	45011	45341	44976	45298	44719	98.081
6	0	44655	45275	44985	45189	44766	45068	45178	45000	44550	45057	44591	44409	97.623
	1	45568	44574	45109	44283	45015	45020	44937	44888	44972	45298	45056	45517	97.899
	2	44895	44629	44964	44806	44884	44258	45427	45062	45081	44633	44667	45084	97.564
	3	45579	44990	44790	45135	45149	45427	44978	45043	45512	45494	44877	45176	98.245
	4	45098	45113	45052	45678	44635	45529	44959	45204	44543	45330	44971	44632	97.991
	5	45449	45012	45282	45137	44790	45434	45086	45254	45472	45426	45617	45359	98.457
	6	44593	44786	45085	45242	45344	44998	45429	44417	45595	45726	44901	44774	98.016
	7	44996	45385	45527	44816	45199	44985	44918	45591	45080	45180	44916	45367	98.211
	8	45799	45076	45339	45096	45469	44868	44836	44541	45505	45312	45016	44699	98.138
	9	45065	45132	44734	45142	45364	45138	45773	44741	45113	45457	45532	44772	98.211
	10	45121	45096	45083	45253	45364	45076	44859	45555	44454	45173	44847	45451	98.097
	11	45124	44529	44989	44982	45485	44515	45021	45582	44847	44717	45004	45534	97.916
	12	45283	45451	44915	45245	45237	44842	45534	44730	45438	44918	45136	44950	98.160
	13	44492	44659	45151	44899	44672	45245	44066	44886	45111	45328	45486	45633	97.789
	14	44862	45211	45100	45201	45094	45241	45137	45305	44839	45706	45280	45293	98.267
	15	45472	44799	45787	45473	45206	45024	45162	44953	45904	44851	45228	45425	98.450
	16	44943	44608	45074	45041	44936	44584	45324	45097	44901	45246	44762	45265	97.816
	17	45225	44954	45177	45013	44988	45024	45590	45490	44685	44947	44838	45776	98.165
	18	45128	45220	45344	45310	45269	45452	45100	44532	45228	44816	45298	45300	98.217
	19	44744	45540	44579	44716	44310	45149	45323	45034	45286	44830	45122	44946	97.779
	20	44547	45432	44744	44964	45049	45556	44908	44773	45049	44622	45176	45186	97.857
	21	45421	44953	44989	44941	45216	45734	45021	44631	45076	44548	45201	44723	97.938
	22	44949	45175	45199	44486	45151	45056	45185	44911	45497	45491	45314	45242	98.156
	23	45056	44851	45228	45064	45383	44943	45262	44924	44936	44679	45407	45466	98.073

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2011											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
7	0	44846	44692	44942	45174	45012	45078	44803	45650	45779	44863	45397	45452	98.151
	1	44936	45843	44747	45558	44895	45091	44522	45625	45378	45526	45309	45450	98.378
	2	45109	45354	45188	45463	45276	45841	45988	45338	45315	44810	45174	45596	98.663
	3	45056	45436	45267	45036	45357	45339	45372	44903	44706	44652	45003	45146	98.086
	4	45123	45067	45319	45338	45089	45442	45509	44851	45271	45755	45028	45399	98.434
	5	45546	44677	45524	44832	45220	45171	45209	45572	45025	44811	45201	45321	98.238
	6	45232	44926	45293	45137	45022	44918	46042	44683	45355	45492	45268	45390	98.356
	7	44410	45180	45222	45214	45397	45288	45072	45081	45413	45358	45682	45193	98.312
	8	45614	45732	45313	45263	45021	45437	44837	45484	45286	45272	45347	45500	98.600
	9	44885	45285	45260	45580	45197	44673	45446	45318	45273	45551	44852	44977	98.272
	10	45237	45364	45289	44808	44470	45177	44680	44787	45488	45531	44884	44895	97.966
	11	45249	44946	44784	44872	45425	44861	45128	45295	44464	44952	45040	44429	97.755
	12	45410	45304	45447	45270	45660	44789	45302	45263	45270	44975	45594	45090	98.467
	13	44979	45078	45147	44815	45151	45357	45166	45414	44887	44866	45372	45758	98.217
	14	45175	45073	45626	44774	45410	44453	45290	44953	44854	45438	45141	45934	98.241
	15	45140	45248	45009	45317	45409	44336	45200	44799	44704	44866	44719	45292	97.862
	16	45780	45140	45272	44743	44983	45560	45631	45257	44722	45065	45402	45354	98.383
	17	45624	45030	44915	44688	45226	45190	45091	44939	45500	45087	45288	45214	98.180
	18	44868	45707	45485	45646	45116	45249	44881	45104	45183	45069	45072	45088	98.303
	19	45259	45381	45474	45129	45577	44966	45146	45247	45859	45605	45285	45110	98.587
	20	45225	45319	45263	46495	45583	44960	45189	45667	45547	45137	45457	45847	98.886
	21	45549	44744	45121	45794	45121	45000	45463	45502	45564	44923	45772	45137	98.524
	22	44810	45261	45784	45031	45467	45164	45067	45499	45411	44956	45823	45041	98.456
	23	45576	45543	45579	45935	45637	46010	45172	45195	45018	45202	45732	45683	98.994
8	0	45299	45553	46052	45395	45736	45430	45019	45747	45277	45774	45373	45401	98.950
	1	46066	45153	45058	45187	45253	45510	45287	45283	45235	45854	45158	45086	98.604
	2	45449	45157	45103	45969	45951	45162	45499	45493	45630	45490	45425	44808	98.787
	3	45400	45101	45196	45143	45951	45356	45408	45353	45742	46054	45640	45236	98.866
	4	45277	45664	45215	45736	45213	45916	45196	44630	45403	45127	44909	44943	98.441
	5	45734	45382	45799	45318	45614	45180	45636	45518	45045	46113	45332	45550	98.983
	6	45546	45656	45549	44743	45543	44960	44991	45455	45726	45970	45619	45236	98.761
	7	45425	45400	45489	45240	45471	45795	45303	44989	45854	44959	45227	44933	98.596
	8	46059	45598	46046	45327	45625	45968	45355	45128	45458	46264	44890	45485	99.161
	9	45460	45066	45585	45158	46006	44693	45635	44883	45454	44904	45299	45391	98.496
	10	45875	46239	44666	45511	45151	45500	45524	45779	45416	45032	44869	45513	98.775
	11	45412	45295	45314	44443	45914	45463	44996	45413	45069	45003	45492	45156	98.394
	12	45587	45469	45169	45426	45346	45363	45182	45130	45327	44657	45301	45356	98.456
	13	45461	45849	45413	45536	45516	45484	45107	45213	45551	46204	45576	45830	99.077
	14	45645	45804	45167	45724	45818	45631	45469	45523	45907	45681	45159	45939	99.209
	15	45523	45850	45520	46009	45819	45357	45782	45512	46167	45481	45164	46080	99.354
	16	45146	45707	45631	45588	45252	45484	45489	45792	45988	45475	45097	45304	98.935
	17	45269	45779	45874	45445	45149	45562	45506	45524	45506	45714	44870	45575	98.902
	18	46091	45500	45201	45204	45469	46097	45423	45518	45604	45251	45095	45625	98.957
	19	45367	45357	45832	45379	45245	45549	45559	45801	45722	45700	45939	45774	99.164
	20	45217	45610	45218	45802	45310	45687	46112	45620	45737	46033	45624	45718	99.249
	21	46061	45669	45425	45964	45281	46175	45901	46046	45374	46173	45850	45468	99.557
	22	45212	45537	45431	45214	45473	45756	45891	45335	45490	45699	45054	46008	98.961
	23	46273	45199	46141	45357	45629	45413	45611	45256	45269	45974	45556	45901	99.229

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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	45646	45349	45642	46261	45828	45741	45720	45452	45526	45722	45450	46252	99.408
	1	45596	46143	45870	45849	45373	46104	45080	45679	45609	46062	45497	46169	99.492
	2	45255	45762	45964	45861	45677	45692	45427	44833	45409	45438	45007	45856	98.975
	3	45783	45727	45752	45034	45742	45531	45635	45372	45571	45990	45526	45824	99.212
	4	45113	45734	45285	45326	45529	45500	45431	45829	45620	45623	45479	45321	98.905
	5	44591	45457	46075	45853	46019	45919	45652	45898	45597	45290	45295	45676	99.182
	6	45953	44873	45705	45558	45494	45328	45526	45198	45598	45535	45464	45635	98.919
	7	45611	44510	45382	45367	45115	45750	44881	45419	45180	45567	45490	45647	98.566
	8	45684	45716	45432	44980	45664	46206	45320	45152	45582	45376	46748	45355	99.163
	9	45705	45385	45745	46374	45875	44729	45955	45446	45131	45310	45929	46377	99.298
	10	45044	45541	45990	45799	46009	45398	45660	45364	45327	45382	45701	46066	99.175
	11	45373	45348	45545	45543	45483	45860	45981	45377	45545	45414	45687	45509	99.063
	12	45610	45842	45440	45499	45882	45642	46050	45539	45021	45274	46006	45477	99.175
	13	45086	45433	45929	45606	45281	45313	45263	45837	45601	45531	45688	45455	98.947
	14	45891	45475	45446	45683	45813	46571	45721	45502	45913	45943	45342	46079	99.555
	15	45793	45817	45805	45593	45555	45746	45500	45188	45406	45731	45517	45993	99.242
	16	45951	45414	45824	45484	45442	45648	45370	45589	45867	45241	45307	44868	98.944
	17	45654	45873	45351	45738	45086	46092	46061	44954	45226	45477	45560	45313	99.014
	18	45790	45152	45426	45067	45914	45244	45631	45211	45396	45766	45846	44999	98.842
	19	45289	45372	45322	45605	45346	45451	45412	45627	45747	45609	46098	45150	98.948
	20	44829	46239	45152	46030	45448	45654	45535	46541	45791	45722	44959	44858	99.080
	21	45606	45360	45689	45115	45546	45588	45347	45879	45255	45295	45552	45500	98.894
	22	45758	45368	45326	45347	45600	45564	44996	45055	45138	45525	45326	44799	98.545
	23	44745	45479	45197	44568	45074	44728	45193	44822	45339	45119	44661	44813	97.808
10	0	45183	45096	45741	45307	44733	45800	44801	44693	44905	45221	45028	45220	98.166
	1	45469	45740	44842	45403	45706	45464	45100	45214	44950	45230	45502	46043	98.700
	2	45660	45773	45026	44878	45428	44509	44983	45486	45127	45245	45024	44854	98.217
	3	45290	44986	45539	45041	44979	45132	44915	44797	45784	44544	45115	45829	98.209
	4	46033	45534	45224	45253	45362	45283	44493	44949	44828	45349	45092	45311	98.347
	5	45323	44781	45484	45064	45566	44928	45102	44806	45939	45593	45358	44693	98.333
	6	45228	45631	45571	45529	45730	45361	45184	45680	45043	45208	45470	44873	98.673
	7	45837	44759	45033	44910	45622	44888	45234	44707	45302	45346	45486	45611	98.351
	8	45552	45267	45410	45773	46228	45509	45873	45471	45517	45225	45596	45687	99.144
	9	45868	45612	45631	45394	45042	45034	46470	44936	44777	45488	45488	45897	98.878
	10	46011	45255	45682	46135	45255	45916	45359	44776	45140	45100	45805	45637	98.956
	11	45423	45946	45455	45714	45909	45469	45262	45729	44885	45182	45964	45972	99.108
	12	45175	46020	45494	45641	45870	45770	45630	45266	45264	45933	45391	45402	99.098
	13	46118	45909	45459	45494	45637	45766	45863	45235	45674	45537	45598	45681	99.300
	14	45467	45627	45819	45310	44899	45627	45535	45393	45648	45302	45497	45757	98.922
	15	45796	46328	45614	45727	45669	45697	45286	46041	45477	45372	45551	45236	99.269
	16	44931	45553	45271	45105	45099	45508	45325	44819	45429	45555	45690	45567	98.554
	17	45342	45536	44956	45572	45259	45527	45222	45512	45040	45533	44737	45495	98.532
	18	45207	45692	45548	44826	45835	45379	45568	45103	45824	45489	44770	44961	98.617
	19	44364	45828	45061	44883	45323	45770	45691	44863	45515	44974	44691	45102	98.230
	20	45416	45253	45685	45308	44806	45444	45365	45576	45748	45005	45046	45087	98.533
	21	45879	45304	44816	44849	45933	45048	45512	45145	44737	45238	45288	45116	98.375
	22	45368	45121	45360	45636	45342	45259	45097	45041	45613	45332	44748	44395	98.274
	23	45018	45076	45086	45285	44813	44460	44751	44848	44712	44976	45151	45107	97.726

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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	44919	44620	44735	45214	44887	44864	45272	44990	44551	45264	45421	44694	97.749
	1	44721	44818	45235	45421	44835	44502	45109	45512	45086	44789	44628	45268	97.842
	2	45286	45146	44859	45189	44889	45118	45546	44999	45404	45117	45702	44305	98.138
	3	45138	45386	44884	44627	45032	44887	45447	44759	45629	44981	45312	45638	98.167
	4	45398	45286	45505	45127	45068	44901	45164	45177	45530	45430	45213	45052	98.372
	5	45575	44707	44638	45183	44764	45032	45322	44921	45508	44904	45145	45160	98.011
	6	45196	44936	45413	44761	45368	44776	45219	44813	44958	45976	45631	45347	98.289
	7	45227	45118	45337	45697	45361	45556	44530	45454	45146	45791	45060	45405	98.523
	8	45147	45569	45169	44763	45266	44921	44700	45046	44612	45429	45667	45494	98.179
	9	45539	44829	45647	45014	45761	44894	44973	45041	45403	45000	45535	45608	98.443
	10	46111	45473	45253	45132	45095	45074	45034	45301	44773	45663	44897	44845	98.336
	11	45297	45060	45203	45374	45256	45508	44937	45205	44960	45627	45362	44812	98.327
	12	46138	45420	45593	44827	44896	45155	45058	45769	45840	45441	45342	45866	98.824
	13	45252	45284	45408	45760	45699	45408	45306	46119	44999	45201	45080	44890	98.654
	14	45579	45408	45733	45027	45429	46076	45190	45031	45149	45209	45128	44838	98.544
	15	45270	44697	44993	45277	44835	45262	45116	45081	45278	45058	45206	44907	98.033
	16	44879	45688	45091	45330	44780	45744	45699	45572	45750	44853	45529	45437	98.644
	17	45160	45297	45023	45168	44849	45654	45017	45763	45328	45992	45828	45223	98.635
	18	45564	45745	45396	44951	45218	45203	45393	44714	45413	45110	44920	45019	98.335
	19	46248	45257	44788	45524	45383	45131	45164	44757	45335	45212	45197	45198	98.435
	20	45102	45010	44934	45538	45455	45250	45049	44890	44910	45080	45159	44881	98.084
	21	44933	45199	45175	44578	44809	44963	44724	45022	44883	44471	44986	45027	97.633
	22	44985	44574	44887	44751	44837	45238	44614	44303	44371	45247	44842	44287	97.300
	23	44965	44679	45082	45407	45452	45001	44894	45034	44999	45335	45346	44319	97.949
12	0	44749	45248	45355	45255	45124	45070	45157	44764	45462	44795	44954	45032	98.028
	1	44160	44621	45235	45502	45007	44643	44688	44650	45234	44887	45163	46335	97.879
	2	45117	44413	45438	44671	45181	45933	45064	45651	45203	45354	44658	44831	98.130
	3	44840	45265	44778	44347	44760	44975	45542	44864	44997	45223	44991	45424	97.857
	4	45290	44946	45463	45054	45723	45023	44596	45340	45414	44722	46160	44674	98.291
	5	45036	45090	45519	44745	45180	44586	45218	45233	44849	44889	45348	44769	97.940
	6	45509	45068	44726	45704	44888	45246	45282	44678	45075	45000	45082	44900	98.065
	7	45372	44998	45070	45126	45218	45383	45435	45681	45847	45323	45596	45133	98.613
	8	45565	45331	45586	45047	45226	45097	44651	45492	45342	45351	45238	45324	98.445
	9	45731	44698	45441	45715	45671	45551	45268	45841	45429	45719	46021	45529	99.054
	10	45119	45208	44667	45436	45317	45526	45658	45432	44780	45072	44874	45402	98.307
	11	45780	45081	45221	44985	45133	44942	44833	45333	44628	45358	45350	45325	98.213
	12	45572	44760	45163	45143	44842	45443	45256	45348	45041	45077	44498	45398	98.135
	13	45165	45425	45307	46067	45395	45510	45407	45270	45528	45403	45110	45350	98.751
	14	45450	45439	45310	45769	45276	45413	45372	45355	45707	45371	45891	45147	98.852
	15	45323	45594	45177	45098	45437	46007	44987	46040	45258	45577	45525	44981	98.763
	16	45781	45165	45501	45819	45401	45447	44926	45462	45468	45218	45792	45571	98.862
	17	45119	44998	45248	45183	45624	45385	45965	44952	45001	45170	45015	44959	98.330
	18	45172	45551	45697	45210	45127	45719	45566	45366	45037	45282	45461	45355	98.679
	19	45482	45410	45683	45613	44956	44819	44469	45025	45487	45681	44766	45319	98.347
	20	44855	44774	45623	44700	45044	45460	45846	45526	45345	45643	44721	44685	98.258
	21	45282	45281	45144	45134	44958	45263	45036	45736	45040	45821	44863	44710	98.267
	22	45419	45515	44926	44927	44882	45089	44952	44863	45006	45118	45098	45436	98.079
	23	44910	45440	45159	45748	45141	45407	46348	45419	45426	45033	45287	45203	98.675

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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	45626	44927	45318	45138	45188	45289	45167	45306	44515	45176	45677	44914	98.261
	1	46087	45720	45202	45449	45365	45153	44904	45027	45393	45675	45244	44940	98.609
	2	45459	44545	44887	44791	45696	45443	45258	44997	45009	45153	45209	45166	98.148
	3	45181	45734	45130	44366	45085	45531	45154	45336	45102	45603	45451	45472	98.426
	4	45044	45586	44988	45071	45997	45721	45583	45393	45156	45693	45780	45637	98.880
	5	44453	45577	45347	45240	45518	45200	44933	45512	45460	44672	45353	44757	98.222
	6	45587	45364	45080	45202	45362	44641	45034	45467	45101	45300	45851	45129	98.421
	7	45493	45221	45093	45637	45583	45398	45588	45369	44909	45119	45320	45862	98.688
	8	45265	45217	45344	45520	45328	45229	45714	45323	45806	45776	45477	45172	98.793
	9	45609	45410	44823	45420	45184	45586	45387	45131	45550	46059	46086	45600	98.915
	10	45186	45646	45329	45240	45917	45432	45511	45581	45790	45421	45358	45331	98.896
	11	45820	45459	45831	45863	45077	45429	45287	45824	45149	44748	45218	44941	98.697
	12	46186	45417	45480	45541	45265	45461	45112	45841	45601	46154	44963	45457	99.029
	13	45184	45332	45912	45535	45466	45224	46422	45427	45217	45345	45043	45876	98.940
	14	45491	45699	46199	45963	46285	45498	44874	45770	45563	45722	45119	45755	99.294
	15	45293	45298	45464	46183	45351	45654	45123						
	16													
	17													
	18													
	19													
	20													
	21													
	22													
	23													
14	0													
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													
	16													
	17							46184	45553	46117	45762	45606	45220	
	18	45033	45395	45991	45164	45334	45131	45443	45123	45722	45738	45337	45736	
	19	44909	45968	45543	44888	45574	45501	45684	45847	45411	45168	44834	45707	98.768
	20	45526	45426	45907	45493	45503	45654	45103	45536	45318	45769	45729	45439	99.016
	21	45710	44478	45182	46202	45277	44942	45248	45304	44858	45184	45305	45892	98.504
	22	45235	45321	45224	44919	45358	45694	45004	46049	45114	44977	44718	45049	98.338
	23	45076	44955	45251	44667	45073	46093	44633	45894	45392	45377	45301	45479	98.434

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2011											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
15	0	45623	44998	45183	45335	45001	45275	45565	45274	45684	45549	45522	45320	98.643
	1	45409	44838	45178	45288	45518	44965	45170	45657	44955	45040	45398	45192	98.328
	2	45156	45005	45072	45454	45700	45561	44974	45582	45442	46172	45828	45316	98.809
	3	45381	44700	45449	45146	45557	45892	45379	45235	45323	45639	45225	45789	98.710
	4	45612	45933	45088	45815	45257	45276	44910	45428	45798	45785	45237	45357	98.851
	5	46040	45103	45178	45410	45809	45630	46198	45396	45760	45213	45404	46621	99.262
	6	45288	45851	45091	45580	45973	45646	44823	45570	45694	45751	45799	44443	98.854
	7	45205	45752	44980	45694	46039	45569	45590	45704	45615	45693	45115	45496	99.025
	8	44982	45863	45157	45763	45040	45130	45604	45688	46103	45656	45878	45517	99.012
	9	45746	45564	45607	45502	45696	45655	44822	46082	45655	44854	45733	45938	99.098
	10	45608	45884	45535	45709	44839	45666	45924	45579	45741	45458	45545	45294	99.085
	11	45245	45390	45900	45715	45599	45138	44804	45861	45658	45527	45712	45614	98.973
	12	45330	46291	45708	45237	45631	45372	45344	45259	45442	45603	45040	45713	98.938
	13	45981	45221	45841	45805	45561	45458	44982	46052	45327	45260	45285	45771	99.041
	14	45754	45941	46143	45987	44677	45673	45611	46084	45923	45695	45447	45171	99.325
	15	45780	45712	45771	45307	45068	45903	45625	45816	45849	45667	45576	45590	99.245
	16	45854	45070	44978	45224	45338	45895	45342	46137	44729	45201	45189	45082	98.588
	17	44854	45404	45736	45540	45388	45789	45483	45196	45490	45275	45544	45209	98.745
	18	44918	45077	45225	44765	45929	45161	46218	45779	45686	45549	45828	45746	98.921
	19	44991	45607	45135	45837	46033	45370	45272	45581	45671	45312	45940	45439	98.977
	20	45307	45567	45516	45370	45227	45530	45328	45488	45112	45741	44695	45658	98.678
	21	45568	45809	45465	45174	45338	45225	46084	44981	45196	46146	44826	46002	98.909
	22	45017	44852	45034	45472	45397	45394	45706	45600	45673	45601	45721	45520	98.759
	23	45922	45449	45240	44732	46451	45059	45619	45155	45776	45230	45853	45349	98.913
16	0	45296	45561	44798	45478	45486	45478	45462	45259	44942	45161	45908	45622	98.662
	1	45127	45235	45728	45180	45731	45954	45656	44926	45512	45281	45057	45740	98.785
	2	45063	45265	45459	45064	45532	44307	45779	44904	45177	45359	45299	45472	98.341
	3	45995	45457	45700	45081	45464	46037	46005	45494	45368	45678	45237	45466	99.121
	4	45460	45472	45639	45446	45220	45607	45700	45403	45251	46141	45679	45239	98.989
	5	45955	45648	45654	45699	45357	45594	45884	46437	45227	45755	45520	45835	99.407
	6	45137	45909	45891	45408	45654	45714	46207	45848	45451	45497	45863	45421	99.305
	7	45480	45528	45940	45555	45436	45897	45354	44854	45837	45640	45591	45257	99.010
	8	45552	45889	45076	45572	45467	45960	45294	45640	45396	45525	45874	45174	99.019
	9	45909	45106	45770	46077	45450	45639	45853	45562	45733	46128	45661	45592	99.393
	10	46145	45844	45743	45446	45279	46155	45815	45315	45703	46183	45569	46146	99.549
	11	45122	45780	45305	46049	45864	45614	45842	45861	45707	45111	45962	45611	99.274
	12	45624	45321	45932	45909	46662	46182	45598	45203	45958	45218	45923	45306	99.456
	13	45229	46164	45425	45134	45631	45749	45837	46223	45862	46150	45418	46286	99.506
	14	45989	45749	45451	44923	45564	45298	45486	45433	46313	45252	45600	46015	99.138
	15	46246	45767	45585	46052	46114	45379	46066	45725	45720	45182	45817	45871	99.582
	16	45757	45638	45148	45741	46036	45430	45728	45461	45482	45521	45949	45562	99.206
	17	46347	45361	46265	45852	46036	44965	45653	46010	45261	45635	45866	45439	99.431
	18	45739	45984	45378	45609	45748	45170	45771	45316	45287	45634	44350	45462	98.843
	19	45672	45460	45586	45548	45365	45733	46122	45760	44920	45610	45419	45646	99.095
	20	45360	45402	45331	44856	45385	45472	45062	45847	46026	45645	45087	45846	98.819
	21	45506	45469	45675	45240	45686	46235	45186	45680	45884	45707	45878	45001	99.151
	22	45291	45848	45712	45302	45740	45419	45706	45269	45807	45832	45679	45923	99.220
	23	45180	45328	45086	45676	45775	46055	45678	45630	45841	45973	45221	45059	99.034

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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	45881	46506	45163	46207	45265	45072	45912	45244	46401	46157	45712	45560	99.501
	1	45909	45640	45413	45890	45436	44670	45627	46220	45878	45951	45048	45700	99.193
	2	45345	46354	45293	46002	45550	45272	46061	45489	45280	45690	45200	45858	99.196
	3	45925	44997	45722	45643	46032	44970	45713	45410	45985	45356	45854	45965	99.228
	4	45597	45122	45790	45769	45357	45100	45558	45661	45451	45987	45736	45949	99.138
	5	45273	45744	45531	45506	46145	45539	45669	46342	45393	45914	45715	46356	99.510
	6	45593	45293	46098	45896	45681	46111	45362	46116	45201	45454	45759	45739	99.360
	7	45531	45346	45765	46167	45261	44956	45957	45604	45997	46227	45707	45762	99.356
	8	46145	45593	45475	45480	46099	45584	45830	45987	46774	45887	45313	46128	99.721
	9	46058	45690	45288	45631	45250	45699	45323	46261	45921	45971	45845	45390	99.365
	10	45681	45741	45709	45171	45608	45461	46127	46004	45903	45783	45979	45654	99.455
	11	45748	45800	45878	46062	45105	45504	45560	45362	45968	45633	46053	46002	99.428
	12	45557	46074	46134	46058	46087	46030	45766	45637	45902	45696	45731	45630	99.722
	13	45590	45478	45194	45594	46086	45808	46191	45844	45901	45465	46426	45694	99.536
	14	45445	46064	45927	46062	45905	46152	46207	46135	45211	46605	45762	45813	99.901
	15	46164	45490	45003	45825	45800	46297	46229	45783	45836	45606	45971	46580	99.774
	16	45789	46016	45371	45522	46130	45943	46005	45668	45809	45557	45673	46048	99.583
	17	45838	45674	46265	45796	46051	45761	45496	46088	46186	45802	46159	46287	99.922
	18	46016	45251	45663	45353	45587	45878	45614	45428	45509	45977	45949	45461	99.248
	19	46071	45816	46072	45612	46070	45821	45880	45989	45970	45910	46077	45084	99.736
	20	45786	45654	46176	45312	45481	45875	46057	45785	45714	45873	45806	45464	99.484
	21	45996	45557	45158	45686	45434	45462	46006	46104	45214	45778	45518	46005	99.291
	22	45694	45507	45554	45721	45785	45064	45450	45801	45397	45265	45915	45714	99.100
	23	45697	45786	46281	45621	46077	46269	46138	45583	45775	45973	46298	46257	99.986
18	0	45773	46024	45957	46162	45648	45567	45107	45269	46090	45579	45997	45970	99.511
	1	45087	45283	45766	45762	46076	45633	46097	45793	45408	45565	45766	45839	99.319
	2	45892	45792	45281	45915	45792	45191	45214	45118	46535	45545	45478	45007	99.080
	3	45438	45815	45405	45685	45484	45869	45769	46166	46205	45132	45523	45291	99.266
	4	45893	45381	45539	46260	45358	45962	45623	45878	46068	46011	45169	45855	99.486
	5	45586	46125	45741	45785	45781	45326	45548	45940	46333	46116	45656	45567	99.578
	6	45447	46329	45790	45916	46112	45379	46775	45553	46211	45496	45716	45923	99.785
	7	45449	45429	45640	45296	46291	45443	45826	45475	46329	46343	45541	46403	99.571
	8	46297	46099	46473	45928	46060	45861	45802	45800	46427	46099	45787	45778	100.105
	9	45525	46457	45174	46118	46512	46143	45690	45669	45774	45345	45643	45825	99.645
	10	45917	46648	45755	45306	46091	46120	46280	45623	46052	46125	45838	45812	99.952
	11	45822	45534	45967	46107	46199	45995	46246	46415	45407	45956	45204	45653	99.759
	12	45598	45806	45517	45942	45866	45965	45747	45818	45480	45935	45845	45975	99.576
	13	45796	46224	45466	45790	46226	45583	45345	46112	46178	46345	45399	45679	99.694
	14	45999	46350	45663	45949	45907	45340	45413	46286	46120	45991	46392	45336	99.803
	15	46458	45554	46158	46936	46093	45450	45871	46174	46015	45788	46603	45776	100.189
	16	46070	44888	45162	45571	46116	45553	46067	45955	46091	45542	46066	46961	99.675
	17	45902	45389	45336	45926	46487	46108	45921	45712	46399	45600	45458	46225	99.752
	18	46039	46122	46068	46011	46627	46032	45588	45944	45507	45865	46093	46082	100.026
	19	45901	46004	46167	46016	45928	46716	46641	45431	45697	46121	45604	45381	99.959
	20	45522	45478	46513	45517	46267	45706	46156	45301	45446	45606	45491	46305	99.543
	21	46210	45258	45772	45971	46485	45228	45167	46446	45277	46077	46101	45745	99.620
	22	46151	45621	45990	45820	45102	46215	45654	45694	45954	46342	45873	45768	99.701
	23	45784	45603	46256	45855	45694	45534	45231	45650	45294	45848	45871	45340	99.298

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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	45934	46148	45695	45670	46066	45882	45760	46332	45744	45372	45934	46373	99.828
	1	45943	45721	45494	45918	45401	45778	45885	45660	45630	46031	45324	46400	99.520
	2	46345	45562	45250	46059	45291	45288	45712	45975	46455	45402	46138	45754	99.528
	3	45560	46270	46130	45837	45383	45320	45694	45985	46056	45826	46505	45517	99.683
	4	45859	46286	46340	45613	46183	45291	45621	45681	45890	45238	45322	45626	99.477
	5	45669	45277	45662	46219	45733	45467	46451	45757	45838	45875	44770	45538	99.352
	6	45050	45716	46247	45977	45356	45331	46743	46216	45651	45776	45401	46269	99.619
	7	45995	45437	45993	46142	46043	46363	45963	46270	46171	45756	46029	46092	100.076
	8	44917	45794	46081	46043	45813	45827	45875	45773	46137	45204	45633	46147	99.531
	9	45998	46047	45880	45446	45648	45864	46003	46152	45876	45658	45566	46371	99.760
	10	45868	46037	45845	46360	45560	45656	45841	46319	45767	45496	46259	46040	99.858
	11	46209	46178	45863	46034	45960	45826	46140	46177	46100	46113	46100	45669	100.097
	12	45299	45718	45739	45674	46284	45499	45850	45853	46044	45551	46171	46441	99.691
	13	45706	45556	46084	45182	46034	45748	45839	46449	46631	45291	45509	46374	99.741
	14	45652	45733	45447	45534	45843	46066	45742	45662	46055	45859	46206	45929	99.619
	15	45905	45117	46378	45787	45788	46376	45603	45784	46265	46307	45962	45776	99.858
	16	46426	45570	45377	45455	46097	45471	45984	46759	45532	45615	45881	45984	99.695
	17	46427	46282	46802	45375	46885	46303	45284	46349	46194	46187	46297	45701	100.408
	18	46398	46132	45929	45906	45849	45885	46225	45887	46026	46225	46384	45800	100.147
	19	46293	45896	46812	46141	45529	45337	46193	45850	46165	46114	46082	45706	100.052
	20	46163	45664	46113	46373	45954	46450	46694	45836	46110	45974	46084	46141	100.312
	21	45710	46122	46158	46249	46113	46116	45715	46342	46082	45823	45408	46459	100.084
	22	46010	46456	45508	45670	45998	46151	45960	45980	45969	45813	46063	45601	99.881
	23	46445	45355	46113	46170	46027	45914	45948	45491	45692	46594	45941	45941	99.963
20	0	45989	46376	45399	46026	46035	46075	45964	45367	45962	45726	45904	46424	99.885
	1	46245	45823	45295	46015	46217	46143	45721	45965	44988	46143	45786	45960	99.722
	2	46298	46328	45790	45994	46059	45563	45731	46215	46354	45704	45950	45939	100.017
	3	46446	46433	45406	46657	45508	46396	45582	45779	45466	45575	46065	45743	99.859
	4	45820	45388	46357	45698	45633	45680	45896	45694	46029	46141	46264	45784	99.738
	5	45990	46083	45756	45424	45181	45740	45880	45347	45240	46069	45566	45707	99.303
	6	45544	45644	45582	45347	45605	46371	45953	45886	46230	45045	45684	45146	99.313
	7	45907	45883	46173	45941	45581	45919	45020	45883	45808	45336	45600	45392	99.385
	8	46020	45687	45612	46027	45085	46269	46017	45629	45725	45413	45826	45702	99.489
	9	45952	45993	46289	45744	45563	45628	45429	46471	46412	46191	45575	45757	99.850
	10	46164	46489	45880	45994	45323	46841	45968	45444	45901	45744	45494	45305	99.766
	11	45951	45243	45559	45807	45734	45770	45676	45831	45672	45890	45590	45543	99.354
	12	46236	46260	46183	45665	45828	45486	45474	45605	46326	44895	45966	45586	99.579
	13	45264	45915	45721	45562	45901	45587	46164	45745	45688	46085	45923	45612	99.517
	14	45905	46183	45948	45698	45861	45349	46080	45849	45862	45854	46166	45993	99.803
	15	45585	45709	45767	45602	46236	46286	45641	45751	45252	46039	46052	45391	99.543
	16	45420	45487	45604	45999	45606	45529	46325	46400	45966	46205	45319	45527	99.557
	17	45794	45906	46038	45594	46193	45808	45620	46101	46405	46172	46101	45447	99.881
	18	45795	45870	46195	45668	45395	46077	45656	46109	45289	45624	46150	45625	99.569
	19	46335	45605	45639	45792	45762	46215	45330	45648	46138	45548	45906	46760	99.790
	20	45780	45660	46398	45919	45715	46026	45660	45964	46395	45397	45840	45501	99.714
	21	46034	45503	46538	45497	45421	46135	45525	46257	46117	45967	45133	46112	99.711
	22	46200	46287	45696	45603	45646	45922	45553	45427	46485	45627	46276	45918	99.784
	23	46430	46126	46121	45854	46100	46104	46388	46389	45594	45370	46119	46506	100.230

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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	47010	45944	45857	45599	45808	46429	45809	46171	46087	45979	46395	46065	100.238
	1	46386	46039	45848	46561	45743	46710	45814	45802	46641	46167	45743	45352	100.177
	2	45254	47074	45946	45788	45891	45666	45717	46282	45816	45293	45419	45960	99.687
	3	46123	46043	46505	46290	45995	45967	46030	46421	45757	46137	46094	46131	100.301
	4	45800	45522	45690	45301	45715	45698	46085	46087	46489	46464	45756	46324	99.836
	5	45681	46114	46371	46137	45612	45794	45367	46234	45775	46449	45762	46507	99.994
	6	46125	45620	46353	46001	45684	45789	46728	45704	45658	45628	45992	45893	99.881
	7	45555	45889	45805	45930	45712	45956	46053	46018	45970	45925	46315	45634	99.806
	8	45881	46199	46776	46340	46188	46318	46026	46487	45974	46194	45844	46323	100.492
	9	45873	45802	46408	46149	45525	46154	45200	46064	45909	45570	45712	46178	99.766
	10	46268	45355	46688	46375	45589	46472	45581	45947	46390	45409	45943	45564	99.954
	11	45970	46501	45976	45966	46117	45709	46507	45838	45806	46058	45833	45391	99.970
	12	46168	46237	45963	46076	46157	45787	46035	46264	46018	46427	45771	46204	100.231
	13	45868	45958	45551	45946	45814	46237	46504	46396	45663	45929	46669	45928	100.114
	14	46143	45831	45626	45988	45534	46107	46583	46058	46062	45796	46395	45780	100.013
	15	46371	46591	46357	46133	46636	46049	46384	46124	46469	45509	45968	45676	100.441
	16	46137	45914	46165	45893	45955	45864	45824	46398	46238	45630	46421	46430	100.187
	17	45947	45753	45825	45702	46358	46451	46471	45787	46101	46363	45947	46460	100.241
	18	45860	46222	46087	45977	46429	45749	46283	46171	46153	46404	46240	45861	100.290
	19	46425	46175	45755	45997	45978	45805	46508	45658	46005	46529	46000	46369	100.248
	20	46893	46314	45717	45854	46135	46058	45385	45805	46381	46265	46587	45908	100.266
	21	45819	46614	45619	46333	46244	46213	46432	46172	46537	46638	46012	46841	100.660
	22	46231	46890	45453	45831	45447	45542	46014	46412	45834	45700	46029	45955	99.910
	23	46071	45846	46926	46158	46188	46250	46025	45996	46627	46272	45716	46010	100.408
22	0	45853	45710	45955	46765	45995	45802	45641	46770	46562	45931	45530	46044	100.132
	1	45497	46090	45989	45998	46398	45466	45945	46341	45751	46024	45715	45510	99.799
	2	45586	46116	45905	46672	45820	45788	46279	45645	45750	46255	46072	46541	100.108
	3	45692	46472	45998	45248	46123	46012	46437	45919	45721	45922	46239	45728	99.942
	4	46137	46005	45907	45816	46005	45466	46489	45753	45903	46568	46301	45641	100.029
	5	45901	46669	45386	46169	46050	46422	45535	46101	45974	46301	45712	46187	100.104
	6	45686	46270	46493	46037	46022	45832	45841	46218	46183	46517	45360	45679	100.055
	7	46402	45978	46577	46057	46110	45747	46094	46361	46415	46010	46667	45938	100.457
	8	45980	45888	46395	46493	46610	46305	46231	45641	46717	46670	46697	46036	100.694
	9	46487	46092	45671	46033	45521	46353	46350	46223	46531	46234	45724	46339	100.313
	10	46092	46636	46247	46124	46569	45901	46647	45951	46422	46281	46303	46655	100.724
	11	45872	46141	46530	45971	46167	46542	46369	46462	45787	45725	46069	46006	100.327
	12	46069	46051	46298	46044	46555	45690	45972	46560	46589	46295	46187	45944	100.439
	13	46223	46421	46712	46830	45588	46146	45891	46229	46489	46480	46496	46144	100.691
	14	45966	46065	46543	46263	46171	46929	46252	46180	46286	46840	46066	47015	100.859
	15	45754	45382	46255	45714	46455	46441	46190	46250	46119	46228	46065	46159	100.214
	16	46225	45498	45500	46544	46046	46120	46500	46061	46123	45702	46062	46570	100.202
	17	46565	46342	46704	46620	46148	45978	45640	46007	46272	46144	46385	45596	100.465
	18	46274	46560	46219	46413	46434	46048	46161	46023	46231	46049	46182	46741	100.635
	19	45793	45997	46267	45796	45708	46472	45631	46024	45949	46417	46981	46358	100.283
	20	45751	46499	45802	46343	45424	46326	45913	45799	46194	45977	46316	46162	100.122
	21	45788	45834	45525	46162	45765	45802	46391	46055	46591	45808	45942	45881	99.948
	22	46153	45884	45926	45808	45505	46384	45767	45827	45805	45817	45828	45756	99.751
	23	46561	45680	45767	45917	46027	46830	46540	46062	46215	45664	45690	45671	100.143

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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	46060	45778	45777	46713	45875	45143	45611	45778	45307	45136	46775	46523	99.750
	1	45436	46054	45700	45371	44882	45814	45459	45796	45580	45675	45768	45860	99.196
	2	45705	45805	45683	45702	45392	45454	45772	46064	45771	45840	45885	46657	99.619
	3	46012	45730	45842	45439	45648	45758	45831	45524	45976	45734	45668	45508	99.427
	4	46099	45857	45888	45704	46000	46124	45786	45830	45978	45966	46165	46327	99.980
	5	45696	46113	45415	46463	46008	45511	46277	46676	45637	46404	46097	45725	100.035
	6	45361	45968	46359	45614	45918	46087	45703	45636	46128	45808	45034	45961	99.592
	7	45949	46234	46464	46100	46279	46096	46251	46445	46228	46959	46041	46183	100.616
	8	46005	46162	45997	46117	45796	45985	46579	46123	46060	46588	46015	45794	100.252
	9	46405	46089	46114	46051	45877	46318	46422	46194	46300	46160	46295	46040	100.441
	10	45894	46355	46259	45686	46156	45728	46102	45474	46731	45698	45729	45815	99.962
	11	46391	45978	45780	45493	45686	45833	46652	46407	45770	46653	46290	46330	100.260
	12	45641	45798	45647	45264	45685	46293	46101	45590	45808	46128	46523	45739	99.708
	13	46293	46498	46228	45946	46160	45519	46405	45887	45905	45848	46215	45420	100.089
	14	45856	46364	45803	46200	46025	45824	46373	46131	46194	46370	46090	46293	100.306
	15	46675	45956	46277	46642	45760	46146	46412	45748	46810	46133	46463	46237	100.621
	16	46486	46844	46063	46289	46583	46510	46342	46269	46141	45927	46737	46385	100.859
	17	45859	45841	46565	45517	46408	46649	45858	46055	46289	46062	46561	46369	100.399
	18	45538	46863	45989	46624	46421	46441	46531	46059	45707	46437	45872	45424	100.375
	19	45912	46501	46984	46367	46147	46509	46175	46072	46118	46275	46387	47125	100.859
	20	46189	45938	46274	46088	46877	46162	46585	47038	47077	45979	46710	46039	100.928
	21	46516	45495	46488	47033	46828	46743	46350	46995	46471	46618	46633	46181	101.181
	22	46166	46281	46387	46060	46100	45894	46259	45794	46089	46543	46088	47127	100.535
	23	47103	46200	46641	45842	46295	46615	46471	46362	46632	45964	45852	46180	100.783
24	0	46861	46107	46517	45757	46427	46469	45586	46463	46444	46590	46288	46700	100.792
	1	46862	47065	46136	46942	46412	46559	46386	46609	46742	45835	46246	46612	101.191
	2	46174	46848	46228	46472	46539	46792	46527	46325	46919	46308	45870	46809	101.083
	3	46606	46655	46789	46257	46248	46239	46751	46373	46575	46320	46960	46538	101.174
	4	46398	46659	46798	45867	46315	45853	46340	47175	46352	46552	46710	46454	101.022
	5	46843	47044	46527	46617	46240	46561	46370	46328	45848	46529	46372	46445	101.068
	6	46559	46000	46606	46728	46789	46446	46233	46775	46942	45749	46639	46229	101.062
	7	46074	47141	46774	46948	46248	46189	46246	46651	45959	46541	46083	46633	101.024
	8	45576	46359	46415	46658	46761	46302	46660	46605	45674	46218	46510	46171	100.738
	9	46770	46030	46356	46232	46359	46212	45656	46151	45986	46592	46417	46456	100.613
	10	45956	46440	46495	46154	46309	45417	46096	45940	46106	46309	46100	46477	100.356
	11	46563	46777	46513	46302	46012	46251	46392	46248	45763	46219	46144	46624	100.720
	12	46046	46290	46498	46167	47023	46326	45991	46689	46130	46754	47076	46177	100.967
	13	46338	46345	46094	46340	46238	47269	46581	46520	46437	46150	46027	46439	100.896
	14	47145	46280	45738	46151	46438	45842	46338	46039	46222	46690	46273	46366	100.669
	15	46741	46167	46110	45834	46869	46744	46553	46750	46682	45583	46670	46011	100.885
	16	46553	45907	46357	46065	46706	45919	46848	45753	45990	46754	45630	46455	100.563
	17	46778	46262	46366	46211	46367	46532	46722	46463	46072	46441	46992	46194	101.009
	18	46267	45986	46629	46219	45834	46298	45946	45826	46406	46314	46208	46332	100.441
	19	46018	46026	46155	46365	46135	46122	46175	46029	45954	46104	45715	46233	100.217
	20	46003	45776	45693	46035	45728	46106	45723	45873	45973	45189	44972	45046	99.326
	21	45474	45387	45727	45039	45988	46068	45537	45587	44978	45784	46039	44983	99.050
	22	45242	45425	44846	45128	45296	45350	46292	46223	45751	46027	45875	45797	99.170
	23	46418	45967	46154	46182	45686	45800	45927	45934	46236	45882	45711	45668	99.951

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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	46267	45737	45747	46438	45941	45416	46513	46300	46112	46091	46076	46073	100.162
	1	45574	46030	46275	46085	45856	46277	45212	45769	45339	45892	45550	45540	99.559
	2	45478	45481	46285	46216	45478	45478	46302	45573	45316	45405	45203	45638	99.279
	3	46191	45411	45785	44947	45619	45164	44616	45292	45268	45728	44899	44978	98.562
	4	44796	44502	45253	45542	45391	45152	44805	45262	45188	45034	44512	44821	97.902
	5	45372	45251	45009	46170	45179	45371	45359	45454	45401	45227	44718	44956	98.484
	6	45704	45242	45520	45280	44920	45275	44806	44555	45306	44783	44990	44763	98.063
	7	44978	45539	44926	44578	45370	45144	44989	45033	44504	45068	45406	45576	98.057
	8	45211	45185	45556	46119	45417	45155	44496	44964	46045	45719	45644	45802	98.818
	9	45169	45734	45494	45383	45268	45434	45670	45141	45309	45247	45043	44931	98.548
	10	45481	45793	45326	46109	45144	45109	45297	45225	45405	45405	45625	45302	98.802
	11	45471	45000	45632	45833	45523	44904	44564	45296	44774	44896	44680	44872	98.117
	12	44822	45194	45411	44683	45342	45165	45133	44647	45400	45294	44974	45263	98.096
	13	44862	46001	45224	44772	44405	44865	45527	44968	44985	45061	44704	44995	97.922
	14	44671	44959	44858	44971	44737	45490	45100	45049	45720	45378	44885	44961	97.997
	15	45516	45362	45047	44941	44843	45131	45227	46008	45391	44899	45269	45151	98.360
	16	44870	45397	45544	45485	45460	44724	45548	45380	45787	45596	45668	45057	98.674
	17	44475	46331	45299	45261	45424	45408	45468	45303	45534	45247	45184	45282	98.620
	18	45221	45624	46201	45362	45440	45494	45840	45224	45877	45150	45574	45779	99.085
	19	45606	45658	45790	46777	45121	44808	45520	45751	45326	45212	45443	45721	99.076
	20	45618	45387	45656	45131	45398	45446	45319	45130	45631	45561	45275	45714	98.810
	21	45558	45582	46065	45046	45102	45264	45466	45078	45387	45593	45196	45569	98.745
	22	44787	44703	45511	45352	45061	45726	45749	44948	44912	45509	45202	44913	98.285
	23	45116	45324	45061	45321	45513	45296	45922	45474	45569	45811	45576	45466	98.843
26	0	45122	44867	45099	45920	45342	45078	44998	45236	44806	45323	45022	45525	98.275
	1	44971	44898	44494	45553	45441	44443	45422	45403	44851	45735	45500	45041	98.173
	2	44812	45606	45317	45180	45017	45380	44683	44563	45566	44804	44815	44996	97.989
	3	44794	45317	45440	44584	44893	45394	44942	44943	44759	44951	45863	45034	98.021
	4	44860	45365	44583	44858	44941	45119	45510	45428	45501	44836	44854	45163	98.040
	5	45235	44790	45008	45199	45252	45271	45411	44593	45364	45089	45516	45089	98.185
	6	44642	44274	45087	45139	44739	45481	45234	45380	45571	45950	45671	45538	98.346
	7	45128	45186	46246	45275	45109	45624	45530	45219	45619	45743	45768	45306	98.898
	8	45547	46142	45396	45616	45755	45420	45876	45281	45981	45815	45883	45460	99.337
	9	44828	45456	45187	45077	45633	45247	45521	45315	45673	45529	46412	46186	98.954
	10	45509	45620	45378	45680	45216	44693	45670	45134	45566	45730	45807	45558	98.863
	11	45678	45602	45296	45398	45293	45301	45303	45058	45644	45141	45757	46180	98.880
	12	46214	45744	45577	45586	45555	46296	45773	45493	45934	45489	45575	46056	99.539
	13	45863	46023	45157	46002	45662	45614	45839	45619	45654	45993	45871	45456	99.442
	14	45743	46298	45750	45307	45498	45921	45588	45976	44946	46711	46050	45288	99.500
	15	45366	45470	45604	45307	45517	45476	45824	46355	45459	45653	45464	45882	99.193
	16	45613	45417	45143	45803	45164	45796	46800	45786	45499	45929	46360	45138	99.386
	17	45765	45984	45897	46085	46103	45825	45360	45747	45597	45432	45820	46051	99.608
	18	45543	46040	45289	45345	45474	45901	45656	45237	45421	45695	45592	45804	99.123
	19	45323	45032	45713	45199	45777	45766	45193	45736	45365	45128	45562	45171	98.756
	20	45078	44675	45281	44754	45656	45362	45088	45830	45576	44979	45296	45135	98.347
	21	45387	45135	45435	45371	44772	44704	45613	44925	44843	45603	44933	45083	98.183
	22	45536	45011	44627	45159	44154	44884	45389	45186	45566	45163	45236	44984	98.018
	23	45025	44568	45104	44876	44767	44859	45228	44966	44892	44666	45039	45333	97.733

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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	45207	45041	44692	44718	45459	45146	45017	45231	44904	44835	45335	45333	98.025
	1	45420	45252	45675	44441	44823	44428	44839	45306	44864	45507	45003	45050	97.966
	2	45072	45010	44962	44956	44412	45092	45299	44823	44862	45123	45249	45200	97.867
	3	44813	45106	44343	44994	44864	45421	45445	45399	44917	45847	44676	44937	97.994
	4	45009	45086	45589	45103	45249	45453	45624	44944	45481	45473	45517	45036	98.501
	5	45876	45013	45488	45418	45416	45080	45327	45351	44901	45629	45654	45407	98.682
	6	44917	45542	45419	45305	44941	45393	45396	45085	45443	45386	45269	45142	98.442
	7	45194	45478	45355	44859	44914	45163	45602	44943	44992	44660	45093	45933	98.252
	8	45071	45405	45068	44565	45172	45661	44931	45141	45651	44985	45204	45594	98.299
	9	45086	45075	45241	46009	45749	45533	44953	44645	45519	44441	45675	45731	98.518
	10	45760	45335	45725	45362	45453	45170	45625	45146	44914	44908	45197	45391	98.578
	11	45032	45247	45888	45308	45467	45385	45746	45354	45917	45801	45938	45733	99.091
	12	45656	45824	46049	46405	45651	45180	45516	45441	45516	45570	45457	45686	99.296
	13	45585	45408	45618	46067	45366	45067	45890	45916	45883	45482	45459	45542	99.176
	14	45345	46330	45097	45914	46010	45667	46220	45357	45133	45989	45865	46387	99.543
	15	45678	45583	45785	45808	45025	45238	46191	45298	45620	45592	45432	46194	99.204
	16	45766	45936	46240	45967	45762	45901	45438	45554	45742	45833	46417	45867	99.744
	17	45994	45966	45959	45737	46317	45715	45781	45016	46567	45780	46151	45965	99.839
	18	46137	45696	45869	45971	45426	46787	45774	45698	46122	45594	45758	46132	99.843
	19	45621	46054	45170	46208	45219	46311	45692	45971	45864	45944	45873	46015	99.657
	20	45300	45679	45762	45416	45761	45473	45794	45772	45547	45985	45513	45782	99.266
	21	45374	45358	45639	45620	44994	45489	45061	45817	45128	45567	45495	45866	98.835
	22	45477	46105	45938	46291	46019	45143	45614	45618	46313	45766	45041	45331	99.425
	23	45849	45988	45472	46030	45205	45505	45230	45255	45941	45762	44744	44894	98.920
28	0	45028	45295	45609	45949	45467	45646	45817	44701	45189	45544	45738	45621	98.871
	1	45905	45560	45276	45672	45617	45500	45693	45396	45171	45273	45498	45383	98.933
	2	45812	45556	45748	45262	45899	45652	45665	44822	45260	45725	45279	46221	99.106
	3	45769	45724	46049	45286	45080	45645	45592	45402	45297	45253	45482	46091	99.065
	4	45784	45415	45713	45747	44676	46030	45341	45394	45553	45457	45933	45792	99.094
	5	45525	45470	45326	45648	45594	46209	45650	45683	45636	45424	45057	44891	98.964
	6	46288	44988	45365	44622	45307	44662	45724	45572	45562	44826	44992	45064	98.395
	7	45429	45790	45003	45875	45772	45188	45356	45802	45078	45201	45957	45173	98.875
	8	45755	44810	45650	45173	45411	45353	45479	45879	44779	45392	45560	45579	98.729
	9	45686	44838	45061	45394	45713	44824	45053	44656	45588	46059	45704	45964	98.679
	10	45940	45644	45083	45442	45247	45256	45613	45442	45434	45708	45652	45213	98.884
	11	45435	45268	45731	45684	45351	45630	45538	45713	45536	45687	44922	45568	98.954
	12	45576	45952	45520	45128	45075	45794	46244	45772	45686	45754	45482	45679	99.244
	13	45527	45630	46141	45237	45962	45230	45977	45015	45860	46009	45754	46463	99.451
	14	46387	46138	46018	46051	45574	46382	45877	45923	46475	46619	46229	46356	100.398
	15	45747	45359	45774	46383	45867	46064	45822	45724	45496	45727	45846	45879	99.612
	16	45604	45999	46099	46318	46565	45640	46633	46061	45780	45306	46152	46241	100.102
	17	45715	45879	46165	46071	46134	45626	46529	46847	45941	46937	46043	45717	100.321
	18	45923	46220	46549	45991	46223	45700	45893	46683	46886	46192	45831	46640	100.525
	19	46196	46553	45602	46207	45928	45599	45988	46241	46359	46357	46228	45889	100.238
	20	45722	46232	47067	46275	45340	46487	46205	45805	46218	45685	46384	46105	100.307
	21	46115	45650	46108	46448	45980	45939	46678	45912	46126	45994	46231	46308	100.300
	22	45852	46178	45122	46256	45784	46225	46080	46143	45809	45795	45845	46322	99.923
	23	46118	45885	45396	45523	45451	45365	44941	45002	45574	45250	46611	45380	99.033

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
29	0	45847	45332	45678	45408	45720	45746	44892	45357	45900	45384	44908	45673	98.914
	1	45529	45157	46028	45866	44861	45039	45881	45577	45424	44899	45453	45765	98.848
	2	45059	45238	45442	45409	45765	45982	45587	45425	45627	45872	45526	45913	99.096
	3	45247	45582	45392	45414	45384	45253	46144	45765	45585	45409	45829	45518	99.038
	4	45813	45478	45938	45584	45170	45536	45653	45601	45420	46338	45719	45712	99.298
	5	45352	45370	45621	45459	46586	44828	45657	46137	46276	45928	45376	46182	99.445
	6	45031	45417	45491	45752	46168	45862	45354	45741	45881	45900	45984	45525	99.324
	7	45916	45508	45097	45799	45552	45116	46730	45601	46002	46244	45100	46185	99.459
	8	46723	45921	45927	45805	45242	46638	45163	45389	45956	45897	45438	45392	99.576
	9	46804	45848	45060	45884	46055	45206	45748	46078	45878	46604	46463	45701	99.909
	10	45890	46203	46322	46003	46316	46221	46098	45330	45810	46116	46327	45497	100.054
	11	45920	46475	46324	46244	45940	46443	46175	46381	46483	46445	45985	46144	100.567
	12	46390	46321	46373	45955	45921	45868	46879	46344	46042	45948	46591	46443	100.588
	13	46668	46717	46946	46548	45902	46097	46348	45991	46829	46406	47383	46010	101.089
	14	46583	46179	45866	46367	45856	46309	46801	45855	45721	46247	46446	46704	100.562
	15	46387	46334	46522	46436	46666	46633	46594	46290	45951	46008	46062	45546	100.652
	16	45832	46012	46005	46587	46139	46469	46320	46412	46338	46015	46070	46263	100.477
	17	46419	46906	46151	46511	46339	46419	45808	46282	45464	46653	46508	46156	100.686
	18	45699	46519	46198	45871	45836	46277	46369	46447	46087	46522	46305	46534	100.513
	19	46663	46096	46502	45864	46625	46087	46048	46155	45632	45964	46473	46449	100.494
	20	45733	46015	46085	45967	46626	46293	45982	46069	46557	46376	46062	45472	100.254
	21	46341	45957	46276	46572	46079	46118	45992	46672	47058	46557	46939	46372	100.924
	22	46248	46311	46117	46387	45808	46533	46474	45996	46320	45541	45973	45736	100.292
	23	46350	46103	46247	45667	45743	46062	46222	45577	45935	46261	45525	45222	99.833
30	0	45938	45736	45770	45588	45197	45818	45585	45768	45876	45324	45648	45473	99.252
	1	45749	45930	45692	45720	45280	45405	46541	45534	46198	45979	45812	46161	99.669
	2	45768	45888	45810	46152	46210	45643	45741	46516	45270	45476	45584	45293	99.550
	3	46223	45471	46457	45931	45339	45649	46337	46577	46303	45494	45399	46430	99.959
	4	46015	46081	45970	46099	45922	45599	45743	46251	45569	46500	45858	46112	99.979
	5	46345	46297	45519	45535	46248	46006	45906	45976	46368	46112	45890	46264	100.115
	6	46407	45878	46019	45690	46110	46607	45877	46112	46041	46065	46871	46071	100.347
	7	46082	46319	46027	45982	46801	45432	46343	46173	45884	46219	46232	46048	100.310
	8	46000	46081	46535	46025	46488	46632	46268	45854	46528	46612	46463	46308	100.718
	9	45732	45619	46337	46688	46396	46135	46454	46341	46279	46651	46862	46296	100.717
	10	46326	46062	46670	45901	46325	46122	46039	46284	46217	46079	46521	46476	100.578
	11	46897	46432	45612	45968	46909	46342	46215	46166	46045	45803	46491	46183	100.585
	12	47314	46059	46900	46323	46374	46569	46077	46571	46029	46432	46690	46672	101.119
	13	46088	46475	46725	46509	46412	46395	46075	46494	47149	46570	46454	46130	101.022
	14	46533	46897	46381	46587	46617	46905	46530	45961	47056	46442	45724	46910	101.216
	15	46098	46439	46790	46581	46750	46422	46464	46524	46054	47098	46718	47055	101.297
	16	46694	46745	46979	46347	46640	45987	46711	46890	47083	46618	46832	46474	101.480
	17	46176	46295	46692	46408	46160	46899	46082	45964	45433	46154	45861	46137	100.440
	18	46157	46125	46935	46532	45634	46672	46360	45822	45790	46183	45960	46611	100.534
	19	46545	45949	46263	45600	45489	45807	46088	46381	45760	45461	46472	45715	99.945
	20	45939	45665	46087	45899	45660	45563	46135	45693	46345	46381	45866	45494	99.800
	21	45588	45949	45454	46372	45512	45929	46097	45424	45977	45677	45445	46552	99.664
	22	45663	45757	45418	46575	45605	45956	45505	45972	45460	45177	45347	45742	99.338
	23	46139	46052	46195	45821	46103	46603	45507	46144	45258	45821	46198	45760	99.958

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2011											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
31	0	46242	46004	46030	46036	46540	46042	45883	46372	44933	45325	46014	46224	99.962
	1	46321	46486	45559	45812	46084	46165	45890	45830	46184	45951	45746	45734	99.987
	2	45551	45268	45802	45291	45214	45445	45560	45648	45690	46219	45476	45494	99.063
	3	45592	45449	45433	45731	46167	45938	45674	45362	45673	45391	46389	45683	99.393
	4	45581	45601	45521	46322	45289	44945	45328	45606	46590	45383	46206	45811	99.339
	5	45523	44915	45311	45822	45654	45788	45743	45729	45696	45408	45645	45791	99.129
	6	45465	45096	45886	45996	46151	45587	45191	45295	45387	45762	45811	45964	99.231
	7	45562	45444	45322	44958	45403	45209	45966	46244	46036	45923	45489	46127	99.248
	8	46164	45731	45939	45818	45205	45495	45188	45878	45483	45563	45785	45712	99.298
	9	46184	45413	45367	44937	45369	45925	45578	46319	46325	45139	46140	45500	99.341
	10	46028	46180	45577	46046	46135	45360	46151	46069	46137	45943	45776	45940	99.911
	11	46231	45350	46068	45937	46651	46238	45628	46565	46058	46176	45864	45865	100.145
	12	46530	45714	45840	45993	45783	46435	45543	45509	45701	45665	45827	45596	99.692
	13	46125	45416	46345	46165	45998	45633	46024	46524	45969	46196	46046	45939	100.099
	14	45336	46289	45701	46284	45987	45882	45831	45876	46267	45478	46499	46193	99.962
	15	45941	45663	46625	45931	46451	46444	46167	46025	45928	46128	46464	46292	100.403
	16	46602	46106	46349	45914	45729	45524	45797	45935	46334	46365	46228	46095	100.207
	17	46857	45890	46300	46189	46562	45987	45874	46605	46177	46190	45895	46273	100.537
	18	46375	45672	45592	45892	46657	45394	46092	46034	46171	45758	46054	46079	99.988
	19	46128	45800	46461	46784	45663	46322	46295	46139	46002	46082	46607	45625	100.376
	20	46365	45821	45801	45381	46031	45941	46050	45904	45369	46286	45801	46251	99.850
	21	45602	45328	46217	45916	45672	45535	46380	46371	45990	45801	46455	46272	99.947
	22	45606	46004	45820	46125	46430	46372	46810	45900	45898	46466	46632	46116	100.425
	23	45809	46150	46250	45629	46034	45640	46039	46317	45849	46304	46480	46002	100.121

S.V.I.R.CO. Observatory - Pressure in hectoPascal - October 2011

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	1022.40	1022.39	1022.38	1022.37	1022.34	1022.29	1022.22	1022.17	1022.14	1022.13	1022.13	1022.10	1022.24
	1	1022.07	1022.08	1022.08	1022.06	1022.05	1022.04	1022.00	1021.94	1021.91	1021.89	1021.86	1021.83	1021.98
	2	1021.83	1021.84	1021.85	1021.86	1021.87	1021.87	1021.88	1021.88	1021.86	1021.83	1021.80	1021.78	1021.84
	3	1021.74	1021.71	1021.72	1021.73	1021.73	1021.72	1021.74	1021.75	1021.76	1021.80	1021.81	1021.78	1021.75
	4	1021.76	1021.75	1021.75	1021.79	1021.85	1021.89	1021.92	1021.96	1022.03	1022.10	1022.15	1022.17	1021.92
	5	1022.20	1022.26	1022.30	1022.32	1022.34	1022.37	1022.42	1022.47	1022.52	1022.58	1022.61	1022.64	1022.42
	6	1022.70	1022.77	1022.83	1022.84	1022.87	1022.91	1022.89	1022.86	1022.89	1022.91	1022.93	1022.95	1022.86
	7	1022.96	1022.98	1023.02	1023.06	1023.08	1023.10	1023.14	1023.17	1023.19	1023.21	1023.22	1023.19	1023.11
	8	1023.16	1023.18	1023.19	1023.19	1023.22	1023.23	1023.23	1023.22	1023.16	1023.09	1023.04	1022.99	1023.16
	9	1022.95	1022.91	1022.87	1022.86	1022.89	1022.93	1022.93	1022.91	1022.89	1022.86	1022.82	1022.78	1022.88
	10	1022.75	1022.73	1022.68	1022.64	1022.60	1022.56	1022.50	1022.46	1022.43	1022.35	1022.29	1022.23	1022.52
	11	1022.15	1022.07	1022.01	1021.96	1021.92	1021.86	1021.76	1021.64	1021.54	1021.46	1021.41	1021.39	1021.76
	12	1021.35	1021.28	1021.20	1021.15	1021.12	1021.06	1021.01	1021.02	1021.00	1020.94	1020.87	1020.80	1021.07
	13	1020.77	1020.77	1020.77	1020.76	1020.72	1020.69	1020.68	1020.67	1020.67	1020.67	1020.62	1020.59	1020.70
	14	1020.60	1020.61	1020.62	1020.61	1020.60	1020.57	1020.55	1020.55	1020.56	1020.60	1020.63	1020.62	1020.59
	15	1020.59	1020.54	1020.52	1020.53	1020.54	1020.55	1020.58	1020.61	1020.59	1020.57	1020.56	1020.57	1020.56
	16	1020.61	1020.62	1020.62	1020.64	1020.68	1020.72	1020.74	1020.75	1020.75	1020.76	1020.78	1020.81	1020.70
	17	1020.84	1020.88	1020.92	1020.94	1020.93	1020.92	1020.93	1020.95	1020.96	1020.97	1020.99	1021.03	1020.94
	18	1021.04	1021.03	1021.02	1021.02	1021.03	1021.05	1021.06	1021.08	1021.12	1021.17	1021.22	1021.27	1021.09
	19	1021.30	1021.31	1021.34	1021.38	1021.39	1021.38	1021.35	1021.33	1021.33	1021.34	1021.34	1021.34	1021.34
	20	1021.35	1021.35	1021.34	1021.34	1021.35	1021.36	1021.38	1021.41	1021.44	1021.46	1021.43	1021.39	1021.38
	21	1021.37	1021.36	1021.36	1021.38	1021.41	1021.45	1021.50	1021.52	1021.52	1021.52	1021.52	1021.51	1021.45
	22	1021.51	1021.53	1021.53	1021.52	1021.48	1021.45	1021.44	1021.43	1021.40	1021.37	1021.35	1021.32	1021.44
	23	1021.28	1021.28	1021.27	1021.26	1021.27	1021.30	1021.33	1021.33	1021.33	1021.32	1021.29	1021.24	1021.29
2	0	1021.19	1021.18	1021.14	1021.10	1021.07	1021.05	1021.04	1021.02	1020.99	1020.95	1020.91	1020.89	1021.03
	1	1020.86	1020.81	1020.75	1020.69	1020.64	1020.59	1020.55	1020.54	1020.51	1020.51	1020.52	1020.51	1020.62
	2	1020.47	1020.46	1020.46	1020.45	1020.45	1020.43	1020.40	1020.39	1020.37	1020.35	1020.35	1020.35	1020.41
	3	1020.34	1020.34	1020.34	1020.35	1020.34	1020.32	1020.33	1020.34	1020.37	1020.40	1020.41	1020.40	1020.36
	4	1020.43	1020.45	1020.43	1020.42	1020.44	1020.46	1020.45	1020.45	1020.46	1020.48	1020.52	1020.54	1020.46
	5	1020.55	1020.55	1020.53	1020.50	1020.47	1020.45	1020.46	1020.46	1020.42	1020.41	1020.44	1020.49	1020.48
	6	1020.53	1020.55	1020.57	1020.60	1020.62	1020.64	1020.65	1020.63	1020.62	1020.62	1020.61	1020.61	1020.60
	7	1020.62	1020.65	1020.68	1020.69	1020.70	1020.72	1020.73	1020.72	1020.69	1020.67	1020.69	1020.70	1020.69
	8	1020.68	1020.70	1020.74	1020.75	1020.75	1020.77	1020.80	1020.83	1020.85	1020.88	1020.87	1020.85	1020.79
	9	1020.83	1020.79	1020.77	1020.77	1020.76	1020.75	1020.73	1020.72	1020.72	1020.70	1020.68	1020.65	1020.74
	10	1020.59	1020.53	1020.46	1020.41	1020.35	1020.28	1020.20	1020.13	1020.07	1020.01	1019.94	1019.88	1020.24
	11	1019.84	1019.82	1019.81	1019.80	1019.78	1019.77	1019.73	1019.67	1019.61	1019.55	1019.49	1019.45	1019.69
	12	1019.39	1019.33	1019.26	1019.21	1019.18	1019.17	1019.16	1019.11	1019.07	1019.02	1018.94	1018.87	1019.14
	13	1018.80	1018.76	1018.76	1018.72	1018.72	1018.74	1018.74	1018.74	1018.74	1018.75	1018.75	1018.69	1018.74
	14	1018.63	1018.60	1018.59	1018.61	1018.59	1018.56	1018.55	1018.55	1018.56	1018.57	1018.58	1018.58	1018.58
	15	1018.55	1018.53	1018.48	1018.44	1018.43	1018.46	1018.48	1018.45	1018.42	1018.44	1018.48	1018.49	1018.47
	16	1018.50	1018.51	1018.51	1018.51	1018.51	1018.52	1018.55	1018.62	1018.70	1018.73	1018.75	1018.76	1018.60
	17	1018.77	1018.80	1018.82	1018.82	1018.82	1018.81	1018.79	1018.77	1018.76	1018.78	1018.82	1018.85	1018.80
	18	1018.90	1018.92	1018.93	1018.97	1019.01	1019.02	1019.02	1019.06	1019.12	1019.15	1019.16	1019.16	1019.03
	19	1019.19	1019.20	1019.18	1019.17	1019.16	1019.14	1019.14	1019.15	1019.16	1019.18	1019.21	1019.23	1019.17
	20	1019.26	1019.31	1019.34	1019.35	1019.37	1019.38	1019.36	1019.33	1019.29	1019.26	1019.28	1019.32	1019.32
	21	1019.38	1019.41	1019.40	1019.40	1019.41	1019.40	1019.40	1019.39	1019.36	1019.33	1019.33	1019.37	1019.38
	22	1019.39	1019.37	1019.36	1019.35	1019.36	1019.36	1019.38	1019.43	1019.48	1019.50	1019.49	1019.47	1019.41
	23	1019.48	1019.51	1019.56	1019.62	1019.63	1019.64	1019.64	1019.63	1019.63	1019.61	1019.61	1019.62	1019.60

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1019.61	1019.61	1019.61	1019.66	1019.70	1019.66	1019.61	1019.59	1019.58	1019.60	1019.64	1019.67	1019.63
	1	1019.67	1019.66	1019.67	1019.70	1019.70	1019.67	1019.65	1019.64	1019.66	1019.67	1019.69	1019.73	1019.67
	2	1019.75	1019.74	1019.75	1019.76	1019.76	1019.78	1019.81	1019.81	1019.81	1019.81	1019.83	1019.86	1019.79
	3	1019.87	1019.86	1019.87	1019.92	1019.96	1019.98	1019.99	1020.00	1020.02	1020.03	1020.02	1020.02	1019.96
	4	1020.04	1020.04	1020.05	1020.05	1020.05	1020.09	1020.15	1020.19	1020.21	1020.23	1020.25	1020.27	1020.13
	5	1020.30	1020.35	1020.40	1020.46	1020.52	1020.56	1020.58	1020.60	1020.63	1020.65	1020.66	1020.70	1020.53
	6	1020.73	1020.74	1020.76	1020.83	1020.88	1020.90	1020.93	1020.94	1020.94	1020.93	1020.96	1021.02	1020.88
	7	1021.07	1021.12	1021.19	1021.25	1021.30	1021.34	1021.38	1021.39	1021.38	1021.37	1021.35	1021.34	1021.29
	8	1021.34	1021.36	1021.37	1021.36	1021.37	1021.36	1021.34	1021.31	1021.30	1021.30	1021.28	1021.26	1021.33
	9	1021.23	1021.22	1021.22	1021.23	1021.25	1021.26	1021.25	1021.25	1021.24	1021.23	1021.25	1021.26	1021.24
	10	1021.26	1021.26	1021.25	1021.23	1021.19	1021.16	1021.14	1021.09	1021.06	1021.04	1021.01	1020.99	1021.14
	11	1020.97	1020.91	1020.86	1020.81	1020.74	1020.68	1020.65	1020.61	1020.57	1020.53	1020.50	1020.49	1020.69
	12	1020.45	1020.42	1020.42	1020.43	1020.41	1020.39	1020.36	1020.30	1020.26	1020.19	1020.15	1020.14	1020.32
	13	1020.10	1020.06	1020.03	1020.01	1019.99	1019.98	1019.98	1019.97	1019.96	1019.95	1019.95	1019.96	1019.99
	14	1019.98	1020.01	1020.02	1020.04	1020.04	1020.06	1020.10	1020.13	1020.14	1020.12	1020.12	1020.12	1020.07
	15	1020.11	1020.11	1020.12	1020.13	1020.12	1020.13	1020.13	1020.14	1020.16	1020.19	1020.23	1020.23	1020.15
	16	1020.23	1020.25	1020.26	1020.29	1020.31	1020.32	1020.34	1020.37	1020.39	1020.41	1020.43	1020.46	1020.34
	17	1020.46	1020.47	1020.51	1020.56	1020.61	1020.65	1020.67	1020.72	1020.77	1020.81	1020.86	1020.92	1020.67
	18	1020.97	1021.00	1021.03	1021.06	1021.10	1021.12	1021.13	1021.13	1021.17	1021.21	1021.23	1021.24	1021.11
	19	1021.26	1021.27	1021.30	1021.35	1021.38	1021.38	1021.36	1021.32	1021.30	1021.29	1021.29	1021.28	1021.31
	20	1021.26	1021.28	1021.31	1021.36	1021.38	1021.39	1021.39	1021.39	1021.39	1021.37	1021.35	1021.35	1021.35
	21	1021.36	1021.36	1021.36	1021.33	1021.29	1021.29	1021.30	1021.31	1021.32	1021.30	1021.25	1021.24	1021.31
	22	1021.25	1021.25	1021.25	1021.24	1021.21	1021.19	1021.19	1021.23	1021.30	1021.36	1021.39	1021.40	1021.27
	23	1021.39	1021.38	1021.38	1021.38	1021.37	1021.38	1021.39	1021.38	1021.35	1021.33	1021.32	1021.32	1021.36
4	0	1021.36	1021.36	1021.34	1021.32	1021.31	1021.29	1021.26	1021.22	1021.20	1021.20	1021.20	1021.17	1021.26
	1	1021.14	1021.12	1021.10	1021.08	1021.04	1020.99	1020.95	1020.91	1020.85	1020.82	1020.80	1020.76	1020.96
	2	1020.71	1020.68	1020.64	1020.61	1020.62	1020.61	1020.59	1020.58	1020.58	1020.59	1020.59	1020.57	1020.61
	3	1020.54	1020.51	1020.50	1020.50	1020.51	1020.50	1020.51	1020.53	1020.56	1020.57	1020.58	1020.59	1020.53
	4	1020.61	1020.61	1020.63	1020.66	1020.67	1020.68	1020.68	1020.67	1020.66	1020.67	1020.68	1020.70	1020.66
	5	1020.73	1020.75	1020.79	1020.80	1020.82	1020.87	1020.91	1020.95	1020.99	1021.02	1021.07	1021.13	1020.90
	6	1021.17	1021.20	1021.23	1021.27	1021.29	1021.29	1021.29	1021.28	1021.28	1021.29	1021.31	1021.31	1021.27
	7	1021.32	1021.36	1021.41	1021.42	1021.43	1021.45	1021.47	1021.50	1021.53	1021.52	1021.48	1021.47	1021.44
	8	1021.49	1021.53	1021.57	1021.59	1021.59	1021.59	1021.58	1021.56	1021.54	1021.51	1021.45	1021.37	1021.53
	9	1021.31	1021.26	1021.20	1021.15	1021.11	1021.05	1020.97	1020.89	1020.83	1020.80	1020.80	1020.80	1021.01
	10	1020.77	1020.72	1020.65	1020.57	1020.52	1020.50	1020.44	1020.37	1020.34	1020.30	1020.24	1020.16	1020.46
	11	1020.08	1020.04	1020.01	1019.97	1019.91	1019.85	1019.78	1019.70	1019.63	1019.54	1019.45	1019.38	1019.77
	12	1019.34	1019.30	1019.23	1019.12	1019.05	1019.04	1019.04	1019.04	1019.03	1018.98	1018.92	1018.87	1019.08
	13	1018.83	1018.79	1018.75	1018.70	1018.69	1018.67	1018.64	1018.64	1018.64	1018.61	1018.58	1018.56	1018.67
	14	1018.52	1018.48	1018.44	1018.43	1018.43	1018.41	1018.40	1018.37	1018.33	1018.31	1018.30	1018.29	1018.39
	15	1018.25	1018.22	1018.20	1018.19	1018.21	1018.21	1018.17	1018.15	1018.18	1018.22	1018.23	1018.23	1018.20
	16	1018.23	1018.22	1018.23	1018.25	1018.27	1018.30	1018.34	1018.37	1018.42	1018.48	1018.51	1018.53	1018.34
	17	1018.55	1018.59	1018.66	1018.74	1018.78	1018.82	1018.85	1018.85	1018.85	1018.86	1018.89	1018.94	1018.78
	18	1018.99	1019.03	1019.10	1019.17	1019.23	1019.26	1019.29	1019.32	1019.35	1019.37	1019.40	1019.43	1019.24
	19	1019.45	1019.46	1019.43	1019.40	1019.39	1019.40	1019.42	1019.44	1019.45	1019.49	1019.53	1019.55	1019.45
	20	1019.57	1019.59	1019.58	1019.56	1019.56	1019.59	1019.61	1019.61	1019.64	1019.66	1019.67	1019.68	1019.61
	21	1019.68	1019.65	1019.64	1019.65	1019.65	1019.63	1019.63	1019.61	1019.57	1019.55	1019.54	1019.50	1019.61
	22	1019.49	1019.49	1019.47	1019.45	1019.43	1019.42	1019.40	1019.37	1019.35	1019.34	1019.32	1019.29	1019.40
	23	1019.24	1019.21	1019.20	1019.18	1019.18	1019.19	1019.17	1019.17	1019.18	1019.17	1019.16	1019.15	1019.18

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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	1019.15	1019.15	1019.14	1019.13	1019.11	1019.09	1019.08	1019.07	1019.06	1019.03	1018.99	1018.95	1019.07
	1	1018.91	1018.85	1018.81	1018.79	1018.78	1018.76	1018.75	1018.74	1018.72	1018.70	1018.70	1018.69	1018.76
	2	1018.68	1018.69	1018.68	1018.68	1018.69	1018.68	1018.65	1018.63	1018.61	1018.61	1018.62	1018.60	1018.65
	3	1018.59	1018.59	1018.60	1018.60	1018.59	1018.57	1018.60	1018.65	1018.65	1018.64	1018.63	1018.63	1018.61
	4	1018.64	1018.62	1018.61	1018.63	1018.64	1018.66	1018.68	1018.69	1018.73	1018.78	1018.81	1018.83	1018.69
	5	1018.87	1018.92	1018.95	1018.97	1019.01	1019.04	1019.07	1019.11	1019.14	1019.16	1019.15	1019.14	1019.04
	6	1019.13	1019.15	1019.18	1019.23	1019.26	1019.27	1019.29	1019.31	1019.34	1019.37	1019.38	1019.41	1019.27
	7	1019.45	1019.47	1019.49	1019.52	1019.55	1019.59	1019.64	1019.71	1019.75	1019.77	1019.81	1019.83	1019.63
	8	1019.83	1019.83	1019.82	1019.81	1019.78	1019.73	1019.69	1019.67	1019.67	1019.67	1019.65	1019.62	1019.73
	9	1019.60	1019.56	1019.55	1019.55	1019.52	1019.51	1019.51	1019.47	1019.45	1019.44	1019.43	1019.36	1019.49
	10	1019.29	1019.27	1019.26	1019.24	1019.20	1019.17	1019.13	1019.12	1019.12	1019.07	1019.01	1018.97	1019.15
	11	1018.92	1018.86	1018.82	1018.82	1018.77	1018.73	1018.75	1018.73	1018.68	1018.65	1018.62	1018.54	1018.74
	12	1018.46	1018.40	1018.34	1018.29	1018.26	1018.20	1018.15	1018.14	1018.11	1018.07	1018.04	1018.03	1018.21
	13	1018.01	1017.98	1017.96	1017.95	1017.94	1017.91	1017.92	1017.92	1017.89	1017.87	1017.83	1017.82	1017.91
	14	1017.83	1017.83	1017.82	1017.80	1017.80	1017.80	1017.79	1017.79	1017.78	1017.79	1017.80	1017.80	1017.80
	15	1017.83	1017.86	1017.88	1017.91	1017.91	1017.88	1017.87	1017.89	1017.88	1017.87	1017.87	1017.87	1017.88
	16	1017.88	1017.90	1017.94	1017.98	1018.01	1018.05	1018.11	1018.16	1018.21	1018.26	1018.31	1018.37	1018.10
	17	1018.42	1018.45	1018.48	1018.52	1018.55	1018.58	1018.61	1018.64	1018.67	1018.70	1018.72	1018.73	1018.59
	18	1018.76	1018.77	1018.78	1018.79	1018.81	1018.84	1018.87	1018.91	1018.94	1018.97	1018.99	1019.02	1018.87
	19	1019.05	1019.10	1019.13	1019.13	1019.14	1019.16	1019.18	1019.19	1019.21	1019.24	1019.26	1019.27	1019.17
	20	1019.27	1019.27	1019.29	1019.34	1019.38	1019.41	1019.42	1019.42	1019.42	1019.44	1019.48	1019.53	1019.39
	21	1019.55	1019.53	1019.52	1019.54	1019.55	1019.54	1019.54	1019.52	1019.50	1019.47	1019.44	1019.42	1019.51
	22	1019.43	1019.45	1019.44	1019.41	1019.37	1019.37	1019.37	1019.35	1019.33	1019.29	1019.26	1019.26	1019.36
	23	1019.28	1019.28	1019.26	1019.24	1019.20	1019.18	1019.19	1019.18	1019.17	1019.20	1019.24	1019.27	1019.22
6	0	1019.27	1019.27	1019.27	1019.27	1019.25	1019.22	1019.20	1019.21	1019.21	1019.19	1019.17	1019.14	1019.22
	1	1019.08	1019.01	1018.98	1018.97	1018.95	1018.93	1018.94	1018.96	1018.95	1018.93	1018.91	1018.88	1018.96
	2	1018.84	1018.81	1018.82	1018.83	1018.81	1018.79	1018.77	1018.76	1018.75	1018.72	1018.73	1018.76	1018.78
	3	1018.81	1018.84	1018.85	1018.86	1018.87	1018.87	1018.87	1018.87	1018.87	1018.88	1018.89	1018.85	1018.86
	4	1018.81	1018.79	1018.80	1018.82	1018.83	1018.85	1018.88	1018.91	1018.95	1018.97	1018.98	1018.99	1018.88
	5	1018.97	1018.94	1018.92	1018.93	1018.95	1018.96	1018.97	1018.96	1018.94	1018.97	1019.03	1019.09	1018.97
	6	1019.14	1019.18	1019.21	1019.23	1019.25	1019.27	1019.31	1019.34	1019.36	1019.40	1019.44	1019.48	1019.30
	7	1019.51	1019.51	1019.52	1019.55	1019.57	1019.57	1019.57	1019.59	1019.60	1019.61	1019.63	1019.63	1019.57
	8	1019.63	1019.66	1019.67	1019.65	1019.64	1019.65	1019.65	1019.63	1019.62	1019.66	1019.67	1019.66	1019.65
	9	1019.62	1019.56	1019.53	1019.49	1019.45	1019.41	1019.38	1019.34	1019.30	1019.27	1019.23	1019.20	1019.40
	10	1019.15	1019.07	1019.03	1019.03	1019.01	1018.94	1018.86	1018.83	1018.83	1018.81	1018.76	1018.71	1018.92
	11	1018.65	1018.59	1018.53	1018.47	1018.41	1018.34	1018.29	1018.25	1018.18	1018.10	1018.07	1018.03	1018.32
	12	1018.01	1018.00	1017.95	1017.89	1017.83	1017.79	1017.76	1017.70	1017.63	1017.56	1017.51	1017.46	1017.75
	13	1017.41	1017.37	1017.32	1017.29	1017.28	1017.28	1017.27	1017.22	1017.19	1017.18	1017.14	1017.11	1017.25
	14	1017.07	1017.04	1016.99	1016.98	1016.97	1016.94	1016.91	1016.87	1016.83	1016.81	1016.79	1016.77	1016.91
	15	1016.73	1016.70	1016.70	1016.70	1016.69	1016.65	1016.62	1016.62	1016.60	1016.57	1016.53	1016.52	1016.63
	16	1016.56	1016.60	1016.61	1016.60	1016.60	1016.62	1016.63	1016.61	1016.59	1016.55	1016.52	1016.51	1016.58
	17	1016.52	1016.53	1016.53	1016.55	1016.57	1016.58	1016.61	1016.62	1016.61	1016.57	1016.56	1016.56	1016.56
	18	1016.58	1016.60	1016.63	1016.65	1016.66	1016.64	1016.62	1016.62	1016.63	1016.62	1016.62	1016.62	1016.62
	19	1016.63	1016.65	1016.67	1016.71	1016.76	1016.78	1016.76	1016.75	1016.71	1016.67	1016.66	1016.67	1016.70
	20	1016.67	1016.67	1016.66	1016.66	1016.66	1016.67	1016.68	1016.69	1016.66	1016.61	1016.56	1016.56	1016.64
	21	1016.57	1016.56	1016.50	1016.45	1016.42	1016.40	1016.37	1016.33	1016.31	1016.30	1016.31	1016.29	1016.40
	22	1016.24	1016.19	1016.14	1016.10	1016.08	1016.08	1016.09	1016.05	1015.98	1015.93	1015.90	1015.87	1016.05
	23	1015.85	1015.83	1015.80	1015.77	1015.72	1015.62	1015.51	1015.43	1015.37	1015.31	1015.27	1015.23	1015.56

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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	1015.21	1015.19	1015.12	1015.03	1014.94	1014.89	1014.84	1014.76	1014.64	1014.57	1014.52	1014.40	1014.82
	1	1014.27	1014.19	1014.10	1014.01	1013.94	1013.91	1013.91	1013.87	1013.80	1013.72	1013.62	1013.54	1013.90
	2	1013.47	1013.40	1013.33	1013.26	1013.19	1013.12	1013.04	1012.96	1012.92	1012.88	1012.83	1012.77	1013.10
	3	1012.72	1012.69	1012.67	1012.62	1012.57	1012.54	1012.52	1012.46	1012.35	1012.28	1012.22	1012.13	1012.48
	4	1012.05	1011.97	1011.87	1011.80	1011.78	1011.77	1011.73	1011.67	1011.62	1011.54	1011.43	1011.32	1011.71
	5	1011.24	1011.21	1011.17	1011.09	1011.07	1011.08	1011.04	1010.97	1011.00	1011.03	1010.95	1010.88	1011.06
	6	1010.85	1010.88	1010.92	1010.87	1010.73	1010.66	1010.67	1010.65	1010.60	1010.56	1010.52	1010.52	1010.70
	7	1010.52	1010.43	1010.37	1010.35	1010.19	1009.91	1009.77	1009.73	1009.67	1009.63	1009.57	1009.52	1009.97
	8	1009.55	1009.67	1009.74	1009.80	1009.86	1009.84	1009.79	1009.71	1009.68	1009.67	1009.62	1009.57	1009.71
	9	1009.59	1009.62	1009.60	1009.57	1009.53	1009.52	1009.49	1009.44	1009.39	1009.29	1009.13	1008.99	1009.43
	10	1008.86	1008.82	1008.84	1008.80	1008.67	1008.58	1008.55	1008.48	1008.37	1008.28	1008.25	1008.12	1008.55
	11	1007.96	1007.84	1007.67	1007.51	1007.39	1007.19	1007.01	1006.88	1006.77	1006.70	1006.57	1006.44	1007.16
	12	1006.35	1006.26	1006.15	1006.15	1006.18	1006.08	1005.97	1005.88	1005.84	1005.74	1005.57	1005.52	1005.97
	13	1005.51	1005.51	1005.51	1005.45	1005.37	1005.35	1005.36	1005.37	1005.34	1005.33	1005.36	1005.38	1005.40
	14	1005.42	1005.37	1005.40	1005.41	1005.33	1005.29	1005.29	1005.27	1005.23	1005.17	1005.12	1005.08	1005.28
	15	1005.03	1005.03	1005.01	1004.97	1004.99	1005.00	1004.94	1004.87	1004.81	1004.77	1004.77	1004.80	1004.91
	16	1004.90	1004.97	1004.92	1004.88	1004.87	1004.82	1004.77	1004.72	1004.65	1004.67	1004.72	1004.69	1004.80
	17	1004.66	1004.65	1004.65	1004.64	1004.62	1004.63	1004.66	1004.67	1004.63	1004.61	1004.64	1004.68	1004.64
	18	1004.75	1004.83	1004.89	1005.00	1005.11	1005.19	1005.32	1005.44	1005.47	1005.51	1005.55	1005.57	1005.22
	19	1005.53	1005.45	1005.44	1005.46	1005.52	1005.53	1005.54	1005.58	1005.61	1005.64	1005.70	1005.80	1005.56
	20	1005.85	1005.87	1005.94	1006.04	1006.03	1006.07	1006.14	1006.17	1006.22	1006.29	1006.31	1006.33	1006.10
	21	1006.41	1006.47	1006.52	1006.54	1006.55	1006.51	1006.48	1006.51	1006.52	1006.51	1006.47	1006.44	1006.49
	22	1006.43	1006.43	1006.44	1006.48	1006.56	1006.62	1006.66	1006.63	1006.60	1006.59	1006.60	1006.64	1006.55
	23	1006.65	1006.67	1006.69	1006.73	1006.78	1006.78	1006.74	1006.72	1006.72	1006.74	1006.80	1006.90	1006.74
8	0	1007.05	1007.01	1007.00	1007.04	1007.00	1006.97	1006.94	1006.88	1006.89	1006.87	1006.82	1006.78	1006.93
	1	1006.77	1006.81	1006.85	1006.85	1006.84	1006.85	1006.83	1006.81	1006.82	1006.82	1006.82	1006.81	1006.82
	2	1006.78	1006.76	1006.77	1006.78	1006.78	1006.80	1006.78	1006.76	1006.79	1006.85	1006.86	1006.77	1006.79
	3	1006.75	1006.80	1006.82	1006.84	1006.87	1006.89	1006.90	1006.94	1006.96	1006.95	1007.01	1007.10	1006.90
	4	1007.17	1007.21	1007.22	1007.25	1007.28	1007.29	1007.32	1007.34	1007.32	1007.32	1007.38	1007.42	1007.29
	5	1007.43	1007.44	1007.48	1007.55	1007.61	1007.64	1007.68	1007.74	1007.84	1007.96	1008.09	1008.19	1007.72
	6	1008.24	1008.30	1008.40	1008.46	1008.48	1008.52	1008.59	1008.64	1008.68	1008.72	1008.75	1008.73	1008.54
	7	1008.73	1008.81	1008.90	1008.97	1009.07	1009.11	1009.10	1009.15	1009.20	1009.22	1009.21	1009.20	1009.05
	8	1009.19	1009.18	1009.18	1009.21	1009.27	1009.31	1009.33	1009.28	1009.18	1009.14	1009.19	1009.24	1009.22
	9	1009.22	1009.21	1009.17	1009.15	1009.15	1009.10	1009.05	1009.01	1008.98	1008.95	1008.93	1008.91	1009.07
	10	1008.89	1008.88	1008.82	1008.78	1008.75	1008.72	1008.67	1008.59	1008.55	1008.50	1008.42	1008.35	1008.66
	11	1008.25	1008.13	1008.04	1007.98	1007.90	1007.79	1007.69	1007.60	1007.54	1007.49	1007.41	1007.38	1007.76
	12	1007.37	1007.34	1007.33	1007.33	1007.29	1007.25	1007.24	1007.23	1007.20	1007.17	1007.18	1007.17	1007.26
	13	1007.10	1007.05	1007.04	1007.05	1007.02	1006.98	1006.97	1007.00	1007.04	1007.05	1007.02	1006.99	1007.02
	14	1006.93	1006.81	1006.76	1006.75	1006.70	1006.70	1006.72	1006.67	1006.64	1006.64	1006.64	1006.62	1006.71
	15	1006.58	1006.53	1006.48	1006.50	1006.55	1006.58	1006.62	1006.61	1006.60	1006.60	1006.59	1006.60	1006.57
	16	1006.60	1006.57	1006.58	1006.60	1006.62	1006.64	1006.66	1006.68	1006.71	1006.74	1006.75	1006.79	1006.66
	17	1006.83	1006.86	1006.88	1006.92	1006.98	1007.04	1007.11	1007.20	1007.27	1007.30	1007.35	1007.39	1007.09
	18	1007.43	1007.44	1007.43	1007.44	1007.46	1007.51	1007.57	1007.59	1007.58	1007.59	1007.59	1007.61	1007.52
	19	1007.67	1007.73	1007.80	1007.87	1007.91	1007.93	1007.93	1007.95	1007.98	1008.00	1008.04	1008.05	1007.90
	20	1008.04	1008.06	1008.08	1008.04	1007.99	1007.96	1007.93	1007.91	1007.90	1007.90	1007.89	1007.87	1007.96
	21	1007.86	1007.84	1007.82	1007.81	1007.81	1007.82	1007.83	1007.85	1007.88	1007.90	1007.82	1007.77	1007.83
	22	1007.81	1007.83	1007.87	1007.91	1007.94	1007.96	1007.92	1007.88	1007.90	1007.91	1007.90	1007.88	1007.89
	23	1007.84	1007.80	1007.74	1007.70	1007.69	1007.69	1007.72	1007.70	1007.64	1007.62	1007.61	1007.58	1007.69

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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	1007.46	1007.46	1007.42	1007.32	1007.23	1007.26	1007.35	1007.38	1007.33	1007.27	1007.22	1007.17	1007.31
	1	1007.12	1007.04	1006.93	1006.83	1006.79	1006.77	1006.79	1006.85	1007.00	1007.16	1007.18	1007.15	1006.97
	2	1007.10	1007.11	1007.13	1007.05	1007.03	1007.05	1006.96	1006.85	1006.84	1006.87	1006.97	1007.19	1007.01
	3	1007.33	1007.31	1007.42	1007.49	1007.42	1007.44	1007.49	1007.47	1007.47	1007.49	1007.52	1007.62	1007.45
	4	1007.71	1007.74	1007.76	1007.76	1007.68	1007.56	1007.44	1007.35	1007.29	1007.23	1007.25	1007.28	1007.50
	5	1007.37	1007.49	1007.57	1007.71	1007.79	1007.85	1007.88	1007.85	1007.90	1007.99	1008.01	1008.05	1007.79
	6	1008.14	1008.15	1008.11	1008.12	1008.07	1007.99	1007.99	1008.05	1008.18	1008.33	1008.45	1008.58	1008.18
	7	1008.69	1008.80	1008.91	1009.02	1009.14	1009.28	1009.38	1009.34	1009.32	1009.37	1009.38	1009.37	1009.17
	8	1009.42	1009.49	1009.54	1009.60	1009.64	1009.74	1009.82	1009.83	1009.83	1009.84	1009.89	1009.90	1009.71
	9	1009.93	1009.93	1009.93	1009.95	1009.93	1009.92	1009.96	1009.97	1009.99	1010.01	1010.03	1010.11	1009.97
	10	1010.13	1010.17	1010.25	1010.29	1010.31	1010.29	1010.29	1010.31	1010.32	1010.37	1010.42	1010.40	1010.29
	11	1010.31	1010.39	1010.50	1010.46	1010.40	1010.48	1010.51	1010.45	1010.44	1010.44	1010.50	1010.48	1010.44
	12	1010.45	1010.55	1010.58	1010.64	1010.70	1010.71	1010.82	1010.86	1010.89	1010.95	1010.96	1010.99	1010.76
	13	1011.06	1011.10	1011.10	1011.14	1011.17	1011.14	1011.11	1011.13	1011.19	1011.22	1011.24	1011.24	1011.15
	14	1011.24	1011.24	1011.27	1011.35	1011.34	1011.33	1011.40	1011.48	1011.50	1011.46	1011.46	1011.54	1011.38
	15	1011.69	1011.83	1011.92	1012.06	1012.26	1012.38	1012.44	1012.55	1012.66	1012.75	1012.88	1012.99	1012.36
	16	1013.02	1013.07	1013.10	1013.07	1013.06	1013.10	1013.13	1013.14	1013.20	1013.21	1013.22	1013.30	1013.13
	17	1013.34	1013.45	1013.65	1013.83	1013.96	1014.07	1014.16	1014.26	1014.40	1014.51	1014.61	1014.71	1014.08
	18	1014.81	1014.89	1014.94	1015.05	1015.26	1015.42	1015.48	1015.48	1015.47	1015.55	1015.60	1015.63	1015.30
	19	1015.72	1015.82	1015.86	1015.93	1016.04	1016.10	1016.18	1016.26	1016.34	1016.40	1016.45	1016.55	1016.14
	20	1016.60	1016.66	1016.79	1016.86	1016.82	1016.81	1016.90	1016.94	1016.97	1017.02	1017.01	1016.99	1016.86
	21	1017.02	1017.08	1017.18	1017.27	1017.30	1017.33	1017.34	1017.28	1017.28	1017.34	1017.35	1017.35	1017.26
	22	1017.37	1017.34	1017.24	1017.14	1017.10	1017.06	1017.00	1016.98	1017.01	1017.03	1017.07	1017.11	1017.12
	23	1017.14	1017.19	1017.23	1017.28	1017.31	1017.29	1017.25	1017.28	1017.35	1017.42	1017.45	1017.46	1017.30
10	0	1017.52	1017.48	1017.41	1017.41	1017.47	1017.53	1017.52	1017.41	1017.35	1017.34	1017.33	1017.34	1017.42
	1	1017.36	1017.34	1017.31	1017.35	1017.40	1017.37	1017.29	1017.25	1017.25	1017.20	1017.13	1017.13	1017.28
	2	1017.09	1016.98	1016.92	1016.89	1016.89	1016.96	1017.02	1017.08	1017.14	1017.18	1017.19	1017.22	1017.04
	3	1017.26	1017.27	1017.28	1017.31	1017.31	1017.33	1017.38	1017.41	1017.48	1017.55	1017.58	1017.59	1017.39
	4	1017.53	1017.53	1017.52	1017.48	1017.45	1017.44	1017.42	1017.35	1017.30	1017.28	1017.27	1017.26	1017.40
	5	1017.26	1017.25	1017.24	1017.21	1017.23	1017.32	1017.33	1017.33	1017.40	1017.45	1017.41	1017.38	1017.32
	6	1017.40	1017.43	1017.48	1017.51	1017.51	1017.52	1017.53	1017.55	1017.58	1017.60	1017.63	1017.68	1017.53
	7	1017.71	1017.69	1017.69	1017.67	1017.67	1017.70	1017.75	1017.83	1017.87	1017.84	1017.78	1017.80	1017.75
	8	1017.82	1017.86	1017.97	1018.01	1017.97	1017.88	1017.79	1017.80	1017.84	1017.86	1017.86	1017.84	1017.87
	9	1017.88	1017.91	1017.93	1017.96	1017.95	1017.93	1017.93	1017.95	1017.99	1017.95	1017.88	1017.87	1017.93
	10	1017.86	1017.82	1017.79	1017.78	1017.75	1017.73	1017.71	1017.75	1017.76	1017.73	1017.71	1017.72	1017.76
	11	1017.71	1017.62	1017.51	1017.46	1017.41	1017.32	1017.24	1017.18	1017.15	1017.12	1017.05	1016.98	1017.31
	12	1016.93	1016.90	1016.87	1016.83	1016.79	1016.81	1016.83	1016.78	1016.71	1016.63	1016.58	1016.61	1016.77
	13	1016.61	1016.55	1016.53	1016.50	1016.46	1016.43	1016.47	1016.48	1016.44	1016.41	1016.37	1016.30	1016.46
	14	1016.25	1016.29	1016.37	1016.42	1016.45	1016.43	1016.40	1016.42	1016.43	1016.43	1016.45	1016.44	1016.40
	15	1016.43	1016.45	1016.45	1016.48	1016.49	1016.55	1016.61	1016.67	1016.68	1016.68	1016.72	1016.79	1016.58
	16	1016.86	1016.89	1016.90	1016.87	1016.85	1016.85	1016.80	1016.77	1016.76	1016.76	1016.82	1016.87	1016.83
	17	1016.89	1016.90	1016.90	1016.95	1017.03	1017.11	1017.18	1017.26	1017.37	1017.46	1017.49	1017.54	1017.17
	18	1017.63	1017.76	1017.87	1017.91	1017.91	1017.94	1017.97	1017.98	1017.97	1017.99	1018.03	1018.07	1017.92
	19	1018.06	1018.02	1017.98	1017.95	1017.97	1018.07	1018.12	1018.13	1018.10	1018.07	1018.09	1018.11	1018.05
	20	1018.09	1018.05	1018.07	1018.12	1018.15	1018.15	1018.13	1018.13	1018.13	1018.14	1018.17	1018.20	1018.12
	21	1018.24	1018.28	1018.28	1018.29	1018.28	1018.24	1018.23	1018.21	1018.17	1018.17	1018.19	1018.19	1018.23
	22	1018.11	1018.03	1018.02	1017.95	1017.89	1017.83	1017.72	1017.68	1017.74	1017.79	1017.79	1017.82	1017.86
	23	1017.84	1017.86	1017.96	1018.08	1018.07	1017.99	1017.94	1017.84	1017.85	1017.98	1018.03	1018.02	1017.95

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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	1017.93	1017.93	1017.89	1017.82	1017.86	1017.93	1017.84	1017.75	1017.77	1017.75	1017.67	1017.65	1017.81
	1	1017.67	1017.64	1017.62	1017.54	1017.39	1017.31	1017.32	1017.36	1017.28	1017.21	1017.24	1017.26	1017.40
	2	1017.25	1017.24	1017.23	1017.27	1017.26	1017.28	1017.33	1017.34	1017.32	1017.21	1017.09	1017.08	1017.24
	3	1017.18	1017.23	1017.18	1017.10	1017.08	1017.05	1016.99	1016.91	1016.86	1016.88	1016.89	1016.92	1017.02
	4	1017.00	1016.98	1016.94	1016.94	1016.92	1016.86	1016.79	1016.83	1016.88	1016.87	1016.85	1016.87	1016.89
	5	1016.96	1017.02	1017.03	1016.99	1016.93	1016.94	1016.96	1016.99	1017.05	1017.07	1017.07	1017.05	1017.00
	6	1017.06	1017.11	1017.21	1017.26	1017.24	1017.27	1017.37	1017.46	1017.48	1017.52	1017.57	1017.57	1017.34
	7	1017.56	1017.55	1017.51	1017.47	1017.48	1017.50	1017.50	1017.54	1017.57	1017.54	1017.50	1017.49	1017.52
	8	1017.48	1017.44	1017.41	1017.43	1017.38	1017.26	1017.16	1017.12	1017.12	1017.16	1017.25	1017.30	1017.29
	9	1017.34	1017.37	1017.38	1017.32	1017.24	1017.24	1017.29	1017.34	1017.35	1017.28	1017.23	1017.23	1017.30
	10	1017.18	1017.10	1017.01	1016.99	1017.01	1016.94	1016.88	1016.86	1016.82	1016.80	1016.78	1016.68	1016.92
	11	1016.55	1016.46	1016.45	1016.46	1016.42	1016.32	1016.20	1016.12	1016.04	1015.93	1015.82	1015.77	1016.21
	12	1015.76	1015.74	1015.69	1015.62	1015.57	1015.53	1015.49	1015.46	1015.42	1015.38	1015.36	1015.34	1015.53
	13	1015.28	1015.21	1015.18	1015.17	1015.17	1015.18	1015.18	1015.18	1015.17	1015.15	1015.13	1015.09	1015.17
	14	1015.06	1015.08	1015.12	1015.16	1015.14	1015.08	1015.05	1015.04	1015.05	1015.07	1015.08	1015.09	1015.08
	15	1015.10	1015.10	1015.08	1015.06	1015.04	1015.04	1015.04	1015.03	1015.03	1015.06	1015.10	1015.11	1015.06
	16	1015.12	1015.14	1015.16	1015.19	1015.23	1015.28	1015.34	1015.40	1015.43	1015.47	1015.49	1015.50	1015.31
	17	1015.55	1015.62	1015.68	1015.74	1015.79	1015.85	1015.92	1016.00	1016.05	1016.06	1016.07	1016.11	1015.87
	18	1016.16	1016.20	1016.23	1016.25	1016.26	1016.25	1016.25	1016.30	1016.35	1016.39	1016.45	1016.50	1016.30
	19	1016.53	1016.55	1016.57	1016.60	1016.62	1016.59	1016.56	1016.60	1016.67	1016.68	1016.66	1016.67	1016.60
	20	1016.66	1016.67	1016.70	1016.71	1016.71	1016.70	1016.66	1016.66	1016.69	1016.73	1016.78	1016.83	1016.71
	21	1016.86	1016.90	1016.93	1016.87	1016.84	1016.86	1016.87	1016.84	1016.84	1016.87	1016.90	1016.93	1016.87
	22	1016.93	1016.93	1016.92	1016.89	1016.86	1016.79	1016.75	1016.77	1016.82	1016.89	1016.94	1016.96	1016.87
	23	1017.00	1017.06	1017.10	1017.09	1017.04	1016.98	1016.91	1016.85	1016.80	1016.77	1016.77	1016.79	1016.93
12	0	1016.81	1016.79	1016.76	1016.75	1016.73	1016.73	1016.74	1016.73	1016.70	1016.66	1016.63	1016.61	1016.71
	1	1016.58	1016.54	1016.48	1016.46	1016.43	1016.37	1016.35	1016.33	1016.31	1016.31	1016.29	1016.24	1016.39
	2	1016.21	1016.17	1016.16	1016.16	1016.11	1016.04	1015.97	1015.97	1015.98	1015.96	1015.98	1016.03	1016.06
	3	1016.06	1016.05	1016.03	1016.03	1016.01	1016.02	1016.09	1016.14	1016.13	1016.11	1016.11	1016.12	1016.07
	4	1016.09	1016.03	1016.01	1016.04	1016.07	1016.08	1016.15	1016.22	1016.22	1016.19	1016.19	1016.17	1016.12
	5	1016.15	1016.22	1016.32	1016.40	1016.41	1016.39	1016.40	1016.44	1016.53	1016.59	1016.61	1016.64	1016.42
	6	1016.68	1016.69	1016.67	1016.67	1016.72	1016.82	1016.90	1016.96	1017.01	1017.01	1016.97	1016.96	1016.83
	7	1016.98	1017.04	1017.10	1017.11	1017.10	1017.12	1017.15	1017.19	1017.25	1017.26	1017.26	1017.30	1017.15
	8	1017.36	1017.39	1017.39	1017.43	1017.46	1017.45	1017.41	1017.36	1017.36	1017.35	1017.30	1017.23	1017.37
	9	1017.18	1017.16	1017.20	1017.23	1017.23	1017.18	1017.12	1017.10	1017.10	1017.11	1017.10	1017.08	1017.15
	10	1017.05	1017.00	1016.92	1016.85	1016.84	1016.84	1016.79	1016.77	1016.78	1016.77	1016.74	1016.68	1016.83
	11	1016.61	1016.56	1016.54	1016.49	1016.43	1016.39	1016.34	1016.26	1016.19	1016.14	1016.08	1016.04	1016.34
	12	1016.02	1015.97	1015.92	1015.89	1015.87	1015.85	1015.82	1015.81	1015.83	1015.85	1015.84	1015.84	1015.87
	13	1015.86	1015.86	1015.81	1015.77	1015.76	1015.76	1015.77	1015.80	1015.82	1015.85	1015.89	1015.88	1015.82
	14	1015.87	1015.87	1015.86	1015.82	1015.78	1015.75	1015.72	1015.67	1015.59	1015.55	1015.51	1015.47	1015.70
	15	1015.47	1015.47	1015.47	1015.48	1015.50	1015.52	1015.53	1015.52	1015.53	1015.51	1015.51	1015.54	1015.50
	16	1015.56	1015.60	1015.63	1015.65	1015.65	1015.66	1015.67	1015.66	1015.68	1015.70	1015.73	1015.79	1015.66
	17	1015.85	1015.90	1015.96	1016.02	1016.05	1016.09	1016.14	1016.12	1016.11	1016.14	1016.15	1016.17	1016.06
	18	1016.22	1016.25	1016.28	1016.30	1016.31	1016.32	1016.33	1016.33	1016.32	1016.33	1016.33	1016.30	1016.30
	19	1016.27	1016.27	1016.27	1016.28	1016.33	1016.40	1016.42	1016.42	1016.45	1016.46	1016.46	1016.48	1016.37
	20	1016.51	1016.56	1016.58	1016.59	1016.61	1016.66	1016.68	1016.64	1016.60	1016.61	1016.62	1016.61	1016.60
	21	1016.60	1016.56	1016.53	1016.50	1016.44	1016.37	1016.32	1016.27	1016.23	1016.21	1016.20	1016.18	1016.37
	22	1016.17	1016.17	1016.17	1016.14	1016.13	1016.15	1016.15	1016.10	1016.06	1016.01	1015.98	1015.96	1016.10
	23	1015.92	1015.90	1015.88	1015.85	1015.85	1015.83	1015.83	1015.84	1015.79	1015.74	1015.72	1015.72	1015.82

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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	1015.76	1015.74	1015.68	1015.68	1015.70	1015.72	1015.77	1015.78	1015.76	1015.76	1015.79	1015.80	1015.74
	1	1015.80	1015.83	1015.81	1015.78	1015.67	1015.49	1015.36	1015.26	1015.16	1015.10	1015.12	1015.11	1015.46
	2	1015.01	1014.95	1014.94	1014.90	1014.90	1014.96	1014.93	1014.86	1014.87	1014.86	1014.78	1014.71	1014.89
	3	1014.69	1014.66	1014.66	1014.64	1014.58	1014.61	1014.67	1014.65	1014.60	1014.51	1014.43	1014.36	1014.59
	4	1014.32	1014.26	1014.21	1014.17	1014.16	1014.17	1014.16	1014.11	1014.02	1013.92	1013.87	1013.81	1014.09
	5	1013.72	1013.62	1013.54	1013.56	1013.56	1013.50	1013.44	1013.35	1013.28	1013.26	1013.27	1013.30	1013.45
	6	1013.36	1013.40	1013.45	1013.51	1013.56	1013.59	1013.66	1013.76	1013.84	1013.92	1013.99	1014.06	1013.67
	7	1014.13	1014.22	1014.28	1014.33	1014.42	1014.49	1014.56	1014.66	1014.75	1014.79	1014.83	1014.90	1014.53
	8	1014.89	1014.87	1014.91	1014.94	1014.92	1014.87	1014.86	1014.91	1014.92	1014.89	1014.87	1014.86	1014.89
	9	1014.86	1014.85	1014.84	1014.85	1014.86	1014.82	1014.78	1014.79	1014.80	1014.80	1014.82	1014.86	1014.83
	10	1014.87	1014.81	1014.70	1014.61	1014.62	1014.56	1014.45	1014.41	1014.38	1014.35	1014.33	1014.31	1014.53
	11	1014.28	1014.16	1014.03	1014.00	1013.96	1013.87	1013.78	1013.71	1013.63	1013.57	1013.56	1013.50	1013.83
	12	1013.43	1013.34	1013.25	1013.21	1013.15	1013.06	1013.03	1013.03	1012.98	1012.95	1012.94	1012.95	1013.11
	13	1012.93	1012.88	1012.83	1012.81	1012.78	1012.70	1012.60	1012.56	1012.55	1012.56	1012.58	1012.59	1012.70
	14	1012.60	1012.58	1012.58	1012.61	1012.62	1012.59	1012.56	1012.55	1012.51	1012.46	1012.46	1012.47	1012.55
	15	1012.46	1012.48	1012.52	1012.56	1012.61	1012.70	1012.77						1012.60
	16													
	17													
	18													
	19													
	20													
	21													
	22													
	23													
14	0													
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													
	16													
	17						1015.37	1015.48	1015.57	1015.63	1015.70	1015.77	1015.80	1015.59
	18	1015.84	1015.93	1016.02	1016.09	1016.10	1016.09	1016.11	1016.13	1016.10	1016.08	1016.11	1016.14	1016.06
	19	1016.18	1016.21	1016.23	1016.25	1016.29	1016.39	1016.54	1016.65	1016.71	1016.74	1016.78	1016.84	1016.48
	20	1016.90	1016.95	1016.97	1017.00	1017.10	1017.17	1017.17	1017.17	1017.21	1017.27	1017.31	1017.36	1017.13
	21	1017.45	1017.54	1017.59	1017.63	1017.65	1017.63	1017.63	1017.67	1017.70	1017.73	1017.74	1017.75	1017.64
	22	1017.79	1017.79	1017.79	1017.80	1017.88	1017.96	1017.97	1017.98	1017.98	1017.98	1018.00	1018.01	1017.91
	23	1018.03	1018.01	1018.01	1018.08	1018.12	1018.15	1018.17	1018.16	1018.15	1018.14	1018.10	1018.06	1018.09

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1018.04	1018.05	1018.06	1018.07	1018.09	1018.12	1018.13	1018.15	1018.17	1018.18	1018.19	1018.19	1018.12
	1	1018.17	1018.15	1018.15	1018.16	1018.15	1018.11	1018.09	1018.05	1018.01	1018.01	1017.97	1017.92	1018.08
	2	1017.91	1017.90	1017.88	1017.84	1017.82	1017.81	1017.84	1017.88	1017.87	1017.83	1017.82	1017.84	1017.85
	3	1017.88	1017.88	1017.86	1017.84	1017.83	1017.85	1017.91	1017.96	1017.97	1017.99	1017.99	1017.93	1017.91
	4	1017.87	1017.85	1017.83	1017.84	1017.86	1017.82	1017.80	1017.83	1017.82	1017.82	1017.83	1017.87	1017.83
	5	1017.92	1017.98	1018.05	1018.07	1018.09	1018.10	1018.08	1018.06	1018.04	1018.02	1018.09	1018.17	1018.05
	6	1018.19	1018.22	1018.28	1018.31	1018.34	1018.38	1018.44	1018.48	1018.50	1018.54	1018.59	1018.63	1018.41
	7	1018.67	1018.75	1018.81	1018.87	1018.94	1018.98	1018.94	1018.93	1018.92	1018.90	1018.90	1018.88	1018.87
	8	1018.88	1018.89	1018.93	1018.98	1019.00	1018.98	1018.95	1018.88	1018.84	1018.88	1018.91	1018.88	1018.92
	9	1018.86	1018.86	1018.86	1018.87	1018.87	1018.88	1018.85	1018.84	1018.88	1018.88	1018.82	1018.73	1018.85
	10	1018.66	1018.66	1018.70	1018.75	1018.73	1018.71	1018.72	1018.67	1018.61	1018.56	1018.57	1018.55	1018.66
	11	1018.46	1018.41	1018.34	1018.26	1018.23	1018.22	1018.18	1018.09	1018.02	1018.01	1017.99	1017.95	1018.18
	12	1017.92	1017.87	1017.84	1017.86	1017.87	1017.85	1017.83	1017.80	1017.77	1017.78	1017.74	1017.72	1017.82
	13	1017.73	1017.71	1017.69	1017.65	1017.61	1017.59	1017.59	1017.62	1017.58	1017.50	1017.44	1017.41	1017.59
	14	1017.39	1017.38	1017.35	1017.32	1017.36	1017.43	1017.44	1017.43	1017.45	1017.47	1017.45	1017.42	1017.40
	15	1017.40	1017.42	1017.47	1017.51	1017.53	1017.52	1017.55	1017.58	1017.55	1017.55	1017.59	1017.70	1017.53
	16	1017.77	1017.74	1017.75	1017.79	1017.81	1017.83	1017.86	1017.89	1017.90	1017.92	1017.95	1018.01	1017.85
	17	1018.13	1018.22	1018.23	1018.25	1018.31	1018.36	1018.44	1018.51	1018.56	1018.62	1018.70	1018.79	1018.42
	18	1018.85	1018.91	1018.97	1019.01	1019.03	1019.08	1019.13	1019.17	1019.21	1019.25	1019.29	1019.33	1019.10
	19	1019.42	1019.54	1019.61	1019.62	1019.59	1019.60	1019.63	1019.66	1019.70	1019.76	1019.84	1019.89	1019.65
	20	1019.91	1019.92	1019.93	1019.98	1020.00	1020.04	1020.12	1020.18	1020.18	1020.19	1020.20	1020.20	1020.07
	21	1020.23	1020.24	1020.24	1020.28	1020.32	1020.34	1020.35	1020.35	1020.38	1020.41	1020.41	1020.40	1020.33
	22	1020.40	1020.39	1020.38	1020.37	1020.37	1020.39	1020.42	1020.46	1020.49	1020.53	1020.57	1020.55	1020.44
	23	1020.52	1020.50	1020.49	1020.49	1020.49	1020.50	1020.52	1020.53	1020.51	1020.52	1020.54	1020.52	1020.51
16	0	1020.49	1020.48	1020.46	1020.45	1020.48	1020.49	1020.47	1020.48	1020.50	1020.51	1020.51	1020.50	1020.48
	1	1020.47	1020.47	1020.46	1020.43	1020.40	1020.35	1020.33	1020.31	1020.29	1020.31	1020.32	1020.29	1020.37
	2	1020.27	1020.26	1020.26	1020.27	1020.28	1020.30	1020.35	1020.31	1020.25	1020.28	1020.33	1020.33	1020.29
	3	1020.31	1020.32	1020.30	1020.29	1020.27	1020.24	1020.24	1020.23	1020.24	1020.27	1020.31	1020.35	1020.28
	4	1020.33	1020.30	1020.31	1020.32	1020.29	1020.25	1020.23	1020.18	1020.11	1020.06	1020.03	1020.04	1020.20
	5	1020.05	1020.04	1019.99	1019.99	1019.97	1019.97	1020.03	1019.98	1019.97	1020.07	1020.14	1020.22	1020.03
	6	1020.30	1020.35	1020.36	1020.37	1020.33	1020.28	1020.27	1020.29	1020.33	1020.34	1020.37	1020.44	1020.33
	7	1020.49	1020.51	1020.48	1020.46	1020.46	1020.41	1020.44	1020.50	1020.49	1020.49	1020.50	1020.51	1020.48
	8	1020.52	1020.49	1020.45	1020.44	1020.45	1020.47	1020.49	1020.49	1020.47	1020.43	1020.41	1020.35	1020.45
	9	1020.31	1020.34	1020.35	1020.33	1020.26	1020.21	1020.17	1020.17	1020.20	1020.22	1020.28	1020.27	1020.26
	10	1020.21	1020.18	1020.13	1020.11	1020.10	1020.07	1020.05	1020.01	1019.97	1019.92	1019.82	1019.74	1020.02
	11	1019.67	1019.57	1019.50	1019.47	1019.47	1019.46	1019.43	1019.36	1019.28	1019.22	1019.20	1019.18	1019.40
	12	1019.12	1019.07	1019.04	1019.00	1018.98	1018.99	1018.97	1018.90	1018.82	1018.78	1018.75	1018.69	1018.92
	13	1018.61	1018.57	1018.56	1018.55	1018.57	1018.60	1018.61	1018.62	1018.62	1018.69	1018.77	1018.81	1018.63
	14	1018.85	1018.87	1018.88	1018.93	1018.96	1018.97	1018.99	1019.02	1019.06	1019.09	1019.14	1019.17	1018.99
	15	1019.19	1019.20	1019.20	1019.22	1019.24	1019.26	1019.29	1019.37	1019.45	1019.48	1019.49	1019.49	1019.32
	16	1019.50	1019.57	1019.61	1019.65	1019.70	1019.72	1019.75	1019.79	1019.85	1019.91	1019.97	1020.04	1019.75
	17	1020.10	1020.19	1020.28	1020.34	1020.41	1020.47	1020.49	1020.53	1020.55	1020.57	1020.62	1020.64	1020.43
	18	1020.66	1020.72	1020.75	1020.76	1020.79	1020.85	1020.90	1020.93	1020.98	1021.01	1021.04	1021.09	1020.87
	19	1021.13	1021.18	1021.24	1021.29	1021.33	1021.36	1021.38	1021.41	1021.44	1021.48	1021.53	1021.60	1021.36
	20	1021.66	1021.69	1021.74	1021.82	1021.91	1021.94	1021.96	1022.02	1022.10	1022.14	1022.18	1022.22	1021.95
	21	1022.22	1022.21	1022.20	1022.21	1022.24	1022.24	1022.25	1022.29	1022.34	1022.34	1022.32	1022.32	1022.26
	22	1022.30	1022.30	1022.32	1022.34	1022.34	1022.33	1022.33	1022.34	1022.31	1022.28	1022.28	1022.29	1022.31
	23	1022.30	1022.32	1022.35	1022.38	1022.41	1022.43	1022.45	1022.47	1022.48	1022.48	1022.50	1022.51	1022.42

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1022.50	1022.54	1022.59	1022.60	1022.57	1022.55	1022.53	1022.50	1022.48	1022.44	1022.39	1022.36	1022.50
	1	1022.32	1022.30	1022.27	1022.22	1022.21	1022.21	1022.19	1022.16	1022.15	1022.14	1022.12	1022.11	1022.20
	2	1022.09	1022.10	1022.14	1022.16	1022.19	1022.21	1022.21	1022.24	1022.27	1022.28	1022.33	1022.36	1022.21
	3	1022.37	1022.38	1022.38	1022.38	1022.39	1022.43	1022.46	1022.47	1022.49	1022.51	1022.52	1022.53	1022.44
	4	1022.51	1022.50	1022.53	1022.53	1022.51	1022.50	1022.45	1022.43	1022.46	1022.49	1022.50	1022.48	1022.49
	5	1022.49	1022.52	1022.54	1022.53	1022.51	1022.50	1022.49	1022.47	1022.49	1022.54	1022.57	1022.58	1022.52
	6	1022.60	1022.62	1022.67	1022.69	1022.70	1022.71	1022.70	1022.76	1022.82	1022.85	1022.91	1022.99	1022.75
	7	1023.03	1023.07	1023.10	1023.12	1023.15	1023.16	1023.19	1023.22	1023.24	1023.24	1023.23	1023.23	1023.16
	8	1023.22	1023.22	1023.23	1023.25	1023.25	1023.26	1023.27	1023.28	1023.29	1023.31	1023.31	1023.27	1023.26
	9	1023.26	1023.28	1023.30	1023.31	1023.29	1023.28	1023.27	1023.24	1023.21	1023.20	1023.18	1023.14	1023.24
	10	1023.08	1023.06	1023.07	1023.04	1022.99	1022.98	1022.96	1022.92	1022.85	1022.78	1022.74	1022.69	1022.93
	11	1022.64	1022.59	1022.53	1022.45	1022.37	1022.28	1022.22	1022.15	1022.06	1022.00	1021.91	1021.82	1022.25
	12	1021.76	1021.67	1021.62	1021.62	1021.61	1021.54	1021.43	1021.36	1021.27	1021.17	1021.11	1021.10	1021.44
	13	1021.11	1021.07	1021.03	1020.99	1020.93	1020.91	1020.92	1020.92	1020.90	1020.86	1020.84	1020.83	1020.94
	14	1020.79	1020.76	1020.74	1020.76	1020.77	1020.73	1020.67	1020.61	1020.57	1020.53	1020.50	1020.49	1020.66
	15	1020.47	1020.42	1020.39	1020.39	1020.38	1020.38	1020.40	1020.43	1020.46	1020.48	1020.51	1020.52	1020.43
	16	1020.51	1020.55	1020.59	1020.59	1020.60	1020.62	1020.65	1020.68	1020.71	1020.74	1020.73	1020.71	1020.64
	17	1020.73	1020.76	1020.78	1020.81	1020.82	1020.83	1020.85	1020.87	1020.91	1020.93	1020.92	1020.92	1020.84
	18	1020.92	1020.93	1020.93	1020.91	1020.90	1020.89	1020.88	1020.88	1020.89	1020.90	1020.88	1020.84	1020.89
	19	1020.85	1020.90	1020.96	1021.01	1021.05	1021.09	1021.10	1021.10	1021.11	1021.13	1021.14	1021.16	1021.05
	20	1021.18	1021.21	1021.25	1021.30	1021.35	1021.39	1021.42	1021.45	1021.50	1021.52	1021.52	1021.50	1021.38
	21	1021.50	1021.49	1021.47	1021.48	1021.51	1021.50	1021.46	1021.46	1021.47	1021.46	1021.47	1021.49	1021.48
	22	1021.51	1021.54	1021.55	1021.56	1021.59	1021.58	1021.60	1021.64	1021.64	1021.63	1021.65	1021.67	1021.59
	23	1021.69	1021.69	1021.71	1021.72	1021.72	1021.70	1021.70	1021.74	1021.76	1021.77	1021.79	1021.80	1021.73
18	0	1021.82	1021.82	1021.82	1021.81	1021.81	1021.79	1021.79	1021.78	1021.76	1021.73	1021.67	1021.62	1021.76
	1	1021.59	1021.55	1021.53	1021.48	1021.44	1021.42	1021.41	1021.41	1021.40	1021.38	1021.36	1021.35	1021.44
	2	1021.34	1021.34	1021.34	1021.35	1021.34	1021.33	1021.33	1021.34	1021.35	1021.35	1021.34	1021.33	1021.34
	3	1021.32	1021.31	1021.32	1021.34	1021.36	1021.37	1021.40	1021.45	1021.47	1021.49	1021.52	1021.54	1021.41
	4	1021.55	1021.55	1021.57	1021.61	1021.62	1021.60	1021.59	1021.61	1021.62	1021.65	1021.67	1021.64	1021.60
	5	1021.61	1021.63	1021.62	1021.62	1021.68	1021.76	1021.80	1021.83	1021.87	1021.87	1021.87	1021.90	1021.75
	6	1021.93	1021.96	1022.01	1022.07	1022.10	1022.13	1022.15	1022.16	1022.20	1022.26	1022.30	1022.33	1022.13
	7	1022.35	1022.39	1022.44	1022.46	1022.48	1022.54	1022.61	1022.61	1022.57	1022.54	1022.54	1022.56	1022.50
	8	1022.60	1022.64	1022.64	1022.62	1022.62	1022.65	1022.67	1022.66	1022.63	1022.60	1022.62	1022.66	1022.63
	9	1022.66	1022.66	1022.66	1022.66	1022.66	1022.64	1022.59	1022.56	1022.58	1022.61	1022.62	1022.60	1022.62
	10	1022.58	1022.57	1022.56	1022.56	1022.54	1022.50	1022.45	1022.42	1022.39	1022.34	1022.30	1022.25	1022.45
	11	1022.22	1022.21	1022.19	1022.18	1022.16	1022.14	1022.11	1022.05	1022.01	1021.99	1021.96	1021.93	1022.09
	12	1021.89	1021.86	1021.84	1021.81	1021.77	1021.74	1021.71	1021.66	1021.59	1021.55	1021.54	1021.50	1021.70
	13	1021.45	1021.43	1021.44	1021.47	1021.47	1021.47	1021.47	1021.45	1021.42	1021.40	1021.37	1021.36	1021.43
	14	1021.34	1021.31	1021.31	1021.32	1021.32	1021.32	1021.34	1021.35	1021.34	1021.35	1021.34	1021.31	1021.33
	15	1021.28	1021.27	1021.26	1021.24	1021.26	1021.29	1021.31	1021.34	1021.39	1021.43	1021.46	1021.46	1021.33
	16	1021.46	1021.47	1021.48	1021.50	1021.53	1021.58	1021.62	1021.64	1021.66	1021.68	1021.72	1021.75	1021.59
	17	1021.82	1021.89	1021.89	1021.86	1021.84	1021.85	1021.88	1021.91	1021.94	1021.97	1021.97	1021.97	1021.90
	18	1022.01	1022.03	1022.06	1022.12	1022.17	1022.19	1022.20	1022.22	1022.26	1022.28	1022.28	1022.28	1022.17
	19	1022.29	1022.31	1022.34	1022.38	1022.41	1022.44	1022.45	1022.43	1022.41	1022.40	1022.43	1022.48	1022.39
	20	1022.55	1022.58	1022.59	1022.60	1022.61	1022.64	1022.68	1022.72	1022.76	1022.78	1022.80	1022.83	1022.68
	21	1022.88	1022.93	1022.95	1022.96	1022.95	1022.94	1022.95	1022.96	1022.99	1023.01	1023.02	1023.04	1022.96
	22	1023.07	1023.10	1023.12	1023.10	1023.10	1023.10	1023.10	1023.12	1023.14	1023.15	1023.17	1023.18	1023.12
	23	1023.16	1023.15	1023.19	1023.21	1023.19	1023.21	1023.23	1023.23	1023.22	1023.16	1023.09	1023.08	1023.17

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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	1023.08	1023.06	1023.02	1022.98	1022.94	1022.92	1022.88	1022.85	1022.83	1022.84	1022.81	1022.74	1022.90
	1	1022.66	1022.59	1022.53	1022.48	1022.44	1022.42	1022.45	1022.50	1022.51	1022.53	1022.58	1022.55	1022.52
	2	1022.45	1022.36	1022.31	1022.34	1022.37	1022.36	1022.35	1022.32	1022.31	1022.31	1022.25	1022.24	1022.33
	3	1022.25	1022.25	1022.22	1022.16	1022.21	1022.29	1022.30	1022.25	1022.30	1022.33	1022.26	1022.22	1022.25
	4	1022.16	1022.13	1022.09	1022.04	1022.01	1021.99	1021.96	1021.91	1021.88	1021.89	1021.88	1021.88	1021.98
	5	1021.91	1021.91	1021.89	1021.89	1021.90	1021.93	1021.96	1021.98	1021.99	1022.01	1022.04	1022.08	1021.95
	6	1022.13	1022.16	1022.18	1022.22	1022.27	1022.29	1022.32	1022.35	1022.37	1022.38	1022.41	1022.45	1022.29
	7	1022.48	1022.49	1022.48	1022.46	1022.46	1022.47	1022.49	1022.55	1022.62	1022.66	1022.69	1022.72	1022.55
	8	1022.72	1022.71	1022.72	1022.70	1022.67	1022.64	1022.62	1022.61	1022.62	1022.62	1022.59	1022.55	1022.64
	9	1022.53	1022.51	1022.47	1022.41	1022.39	1022.42	1022.37	1022.32	1022.32	1022.29	1022.24	1022.22	1022.37
	10	1022.22	1022.14	1022.08	1022.05	1021.94	1021.87	1021.83	1021.76	1021.70	1021.74	1021.81	1021.77	1021.91
	11	1021.69	1021.66	1021.63	1021.58	1021.56	1021.51	1021.47	1021.42	1021.38	1021.39	1021.35	1021.29	1021.49
	12	1021.22	1021.17	1021.14	1021.10	1021.04	1020.96	1020.94	1020.88	1020.77	1020.68	1020.66	1020.62	1020.93
	13	1020.56	1020.53	1020.52	1020.51	1020.50	1020.49	1020.40	1020.35	1020.34	1020.31	1020.28	1020.25	1020.42
	14	1020.22	1020.17	1020.12	1020.05	1019.97	1019.93	1019.89	1019.84	1019.79	1019.75	1019.73	1019.74	1019.93
	15	1019.73	1019.69	1019.66	1019.63	1019.60	1019.59	1019.56	1019.52	1019.51	1019.51	1019.50	1019.49	1019.58
	16	1019.48	1019.49	1019.49	1019.46	1019.42	1019.38	1019.34	1019.31	1019.27	1019.22	1019.22	1019.24	1019.36
	17	1019.25	1019.23	1019.25	1019.28	1019.27	1019.26	1019.26	1019.21	1019.16	1019.14	1019.11	1019.02	1019.20
	18	1018.93	1019.00	1019.03	1018.96	1018.92	1018.93	1018.92	1018.87	1018.80	1018.76	1018.75	1018.76	1018.88
	19	1018.77	1018.76	1018.72	1018.73	1018.75	1018.65	1018.56	1018.55	1018.60	1018.54	1018.41	1018.37	1018.62
	20	1018.40	1018.44	1018.44	1018.39	1018.28	1018.23	1018.23	1018.14	1018.00	1017.94	1017.99	1017.97	1018.20
	21	1017.91	1017.97	1018.02	1017.94	1017.88	1017.92	1017.96	1018.00	1018.01	1018.00	1017.97	1017.90	1017.95
	22	1017.82	1017.76	1017.71	1017.69	1017.65	1017.60	1017.57	1017.50	1017.40	1017.31	1017.23	1017.17	1017.53
	23	1017.10	1017.00	1016.96	1016.94	1016.85	1016.73	1016.61	1016.53	1016.53	1016.52	1016.42	1016.32	1016.71
20	0	1016.24	1016.21	1016.17	1016.10	1015.96	1015.92	1016.00	1016.04	1015.90	1015.68	1015.55	1015.51	1015.93
	1	1015.48	1015.43	1015.31	1015.15	1015.07	1014.97	1014.82	1014.61	1014.50	1014.64	1014.76	1014.69	1014.95
	2	1014.51	1014.32	1014.22	1014.28	1014.32	1014.32	1014.36	1014.38	1014.33	1014.28	1014.27	1014.27	1014.32
	3	1014.20	1014.10	1014.09	1014.18	1014.28	1014.30	1014.28	1014.19	1014.08	1014.07	1013.98	1013.78	1014.13
	4	1013.57	1013.54	1013.54	1013.38	1013.21	1013.10	1013.10	1013.02	1012.91	1013.03	1013.22	1013.49	1013.26
	5	1013.88	1013.94	1013.95	1014.24	1014.36	1014.23	1014.21	1014.39	1014.28	1014.35	1014.59	1014.45	1014.24
	6	1014.46	1014.09	1013.60	1013.80	1014.19	1014.35	1014.73	1015.37	1015.30	1015.25	1015.62	1015.57	1014.69
	7	1015.37	1015.42	1015.51	1015.60	1015.52	1015.31	1015.07	1015.03	1015.35	1015.44	1015.35	1015.39	1015.36
	8	1015.30	1015.10	1015.03	1015.06	1015.04	1015.00	1015.03	1015.05	1015.22	1015.49	1015.57	1015.67	1015.21
	9	1015.87	1015.90	1015.74	1015.64	1015.53	1015.44	1015.37	1015.27	1015.25	1015.28	1015.18	1015.03	1015.46
	10	1015.03	1015.04	1014.96	1014.86	1014.84	1014.87	1014.84	1014.76	1014.70	1014.60	1014.50	1014.46	1014.79
	11	1014.43	1014.42	1014.41	1014.31	1014.21	1014.19	1014.16	1014.12	1014.11	1014.11	1014.15	1014.16	1014.23
	12	1014.13	1014.11	1014.09	1014.06	1014.02	1013.98	1013.94	1013.87	1013.77	1013.68	1013.64	1013.65	1013.91
	13	1013.64	1013.61	1013.62	1013.60	1013.57	1013.55	1013.55	1013.56	1013.51	1013.47	1013.44	1013.44	1013.54
	14	1013.48	1013.55	1013.62	1013.64	1013.67	1013.71	1013.71	1013.66	1013.64	1013.61	1013.62	1013.66	1013.63
	15	1013.71	1013.74	1013.79	1013.89	1013.97	1014.03	1014.08	1014.13	1014.22	1014.29	1014.33	1014.37	1014.04
	16	1014.39	1014.41	1014.42	1014.42	1014.46	1014.51	1014.53	1014.57	1014.64	1014.71	1014.76	1014.80	1014.55
	17	1014.82	1014.84	1014.87	1014.88	1014.86	1014.86	1014.89	1014.93	1014.97	1014.99	1015.00	1015.04	1014.91
	18	1015.08	1015.09	1015.06	1015.04	1015.04	1015.05	1015.10	1015.15	1015.16	1015.17	1015.18	1015.20	1015.11
	19	1015.27	1015.34	1015.38	1015.43	1015.50	1015.58	1015.62	1015.67	1015.73	1015.78	1015.85	1015.90	1015.59
	20	1015.92	1015.94	1015.98	1015.99	1015.98	1015.97	1015.94	1015.87	1015.81	1015.83	1015.88	1015.90	1015.91
	21	1015.93	1015.94	1015.96	1015.98	1015.94	1015.95	1016.01	1016.03	1016.02	1016.01	1015.99	1015.97	1015.98
	22	1015.95	1016.00	1016.08	1016.09	1016.06	1016.00	1015.96	1015.96	1015.99	1016.00	1015.96	1015.96	1016.00
	23	1015.95	1015.95	1015.94	1015.89	1015.81	1015.75	1015.76	1015.79	1015.83	1015.85	1015.83	1015.83	1015.85

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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	1015.96	1015.91	1015.83	1015.84	1015.91	1015.98	1016.04	1016.03	1015.99	1015.98	1015.97	1015.89	1015.94
	1	1015.82	1015.81	1015.84	1015.94	1015.97	1015.91	1015.86	1015.76	1015.73	1015.79	1015.74	1015.66	1015.82
	2	1015.65	1015.71	1015.78	1015.75	1015.64	1015.63	1015.69	1015.69	1015.64	1015.64	1015.67	1015.66	1015.68
	3	1015.68	1015.76	1015.80	1015.84	1015.90	1015.95	1016.01	1016.05	1016.08	1016.12	1016.11	1016.10	1015.95
	4	1016.11	1016.13	1016.16	1016.19	1016.21	1016.25	1016.28	1016.29	1016.33	1016.35	1016.34	1016.34	1016.25
	5	1016.30	1016.31	1016.39	1016.44	1016.48	1016.49	1016.47	1016.48	1016.53	1016.56	1016.62	1016.68	1016.48
	6	1016.73	1016.77	1016.79	1016.84	1016.90	1016.97	1017.03	1017.10	1017.15	1017.19	1017.24	1017.29	1017.00
	7	1017.33	1017.35	1017.38	1017.41	1017.42	1017.46	1017.53	1017.58	1017.60	1017.62	1017.62	1017.61	1017.49
	8	1017.62	1017.62	1017.63	1017.63	1017.62	1017.63	1017.64	1017.66	1017.68	1017.70	1017.70	1017.71	1017.65
	9	1017.73	1017.74	1017.77	1017.79	1017.73	1017.68	1017.68	1017.69	1017.71	1017.74	1017.75	1017.72	1017.73
	10	1017.70	1017.70	1017.69	1017.67	1017.63	1017.58	1017.54	1017.53	1017.52	1017.50	1017.45	1017.39	1017.57
	11	1017.37	1017.37	1017.35	1017.32	1017.30	1017.25	1017.20	1017.15	1017.09	1017.02	1016.97	1016.94	1017.19
	12	1016.90	1016.85	1016.82	1016.78	1016.73	1016.70	1016.68	1016.67	1016.66	1016.66	1016.65	1016.62	1016.72
	13	1016.59	1016.57	1016.55	1016.57	1016.58	1016.56	1016.54	1016.53	1016.51	1016.48	1016.46	1016.45	1016.53
	14	1016.43	1016.41	1016.42	1016.44	1016.43	1016.45	1016.46	1016.46	1016.47	1016.46	1016.43	1016.41	1016.44
	15	1016.42	1016.42	1016.41	1016.40	1016.39	1016.40	1016.43	1016.47	1016.49	1016.52	1016.54	1016.55	1016.45
	16	1016.57	1016.63	1016.69	1016.73	1016.76	1016.77	1016.81	1016.89	1016.95	1017.00	1017.03	1017.06	1016.82
	17	1017.10	1017.15	1017.21	1017.26	1017.32	1017.38	1017.41	1017.46	1017.51	1017.57	1017.63	1017.67	1017.39
	18	1017.72	1017.72	1017.73	1017.79	1017.84	1017.90	1017.98	1018.03	1018.04	1018.06	1018.11	1018.15	1017.92
	19	1018.19	1018.24	1018.29	1018.31	1018.35	1018.41	1018.44	1018.45	1018.50	1018.57	1018.62	1018.67	1018.42
	20	1018.71	1018.73	1018.77	1018.80	1018.81	1018.80	1018.80	1018.81	1018.81	1018.81	1018.82	1018.83	1018.79
	21	1018.86	1018.87	1018.87	1018.86	1018.88	1018.92	1018.93	1018.96	1018.99	1019.01	1018.99	1018.97	1018.92
	22	1018.97	1018.99	1019.02	1019.03	1019.03	1019.06	1019.10	1019.14	1019.17	1019.19	1019.18	1019.15	1019.08
	23	1019.14	1019.14	1019.10	1019.05	1019.01	1019.03	1019.10	1019.11	1019.07	1019.07	1019.10	1019.12	1019.08
22	0	1019.06	1019.05	1019.05	1019.07	1019.07	1019.07	1019.10	1019.12	1019.10	1019.07	1019.06	1019.06	1019.07
	1	1019.02	1018.97	1018.95	1018.95	1018.93	1018.92	1018.92	1018.92	1018.91	1018.86	1018.80	1018.76	1018.91
	2	1018.76	1018.78	1018.79	1018.82	1018.83	1018.83	1018.82	1018.81	1018.84	1018.88	1018.91	1018.97	1018.84
	3	1019.03	1019.06	1019.05	1019.01	1019.00	1018.99	1018.98	1019.00	1019.05	1019.11	1019.13	1019.11	1019.04
	4	1019.11	1019.14	1019.13	1019.15	1019.20	1019.23	1019.21	1019.19	1019.19	1019.19	1019.16	1019.14	1019.17
	5	1019.15	1019.17	1019.21	1019.25	1019.24	1019.23	1019.24	1019.27	1019.27	1019.26	1019.29	1019.37	1019.24
	6	1019.41	1019.43	1019.45	1019.50	1019.56	1019.57	1019.56	1019.60	1019.66	1019.69	1019.71	1019.73	1019.57
	7	1019.70	1019.69	1019.71	1019.73	1019.76	1019.81	1019.85	1019.84	1019.81	1019.82	1019.82	1019.80	1019.78
	8	1019.83	1019.88	1019.91	1019.92	1019.88	1019.77	1019.74	1019.78	1019.78	1019.83	1019.88	1019.90	1019.84
	9	1019.93	1019.94	1019.91	1019.89	1019.94	1019.98	1019.97	1019.95	1019.97	1019.98	1019.97	1019.97	1019.95
	10	1019.98	1019.99	1020.02	1020.04	1020.02	1019.95	1019.89	1019.84	1019.76	1019.69	1019.63	1019.59	1019.86
	11	1019.56	1019.49	1019.43	1019.40	1019.37	1019.34	1019.27	1019.19	1019.16	1019.13	1019.07	1019.01	1019.28
	12	1018.97	1018.91	1018.88	1018.86	1018.82	1018.79	1018.77	1018.77	1018.76	1018.74	1018.74	1018.71	1018.81
	13	1018.68	1018.67	1018.64	1018.61	1018.57	1018.54	1018.55	1018.54	1018.55	1018.55	1018.54	1018.54	1018.58
	14	1018.55	1018.56	1018.58	1018.61	1018.62	1018.62	1018.61	1018.62	1018.65	1018.68	1018.69	1018.69	1018.62
	15	1018.69	1018.69	1018.68	1018.66	1018.64	1018.63	1018.65	1018.67	1018.66	1018.63	1018.62	1018.62	1018.65
	16	1018.62	1018.65	1018.69	1018.72	1018.73	1018.76	1018.81	1018.88	1018.90	1018.89	1018.91	1018.96	1018.79
	17	1019.01	1019.05	1019.08	1019.12	1019.15	1019.15	1019.17	1019.18	1019.23	1019.30	1019.32	1019.30	1019.17
	18	1019.27	1019.26	1019.27	1019.27	1019.30	1019.34	1019.32	1019.29	1019.27	1019.27	1019.29	1019.32	1019.29
	19	1019.38	1019.41	1019.42	1019.42	1019.45	1019.45	1019.44	1019.46	1019.50	1019.52	1019.53	1019.57	1019.46
	20	1019.62	1019.64	1019.64	1019.65	1019.64	1019.63	1019.65	1019.67	1019.66	1019.65	1019.67	1019.66	1019.65
	21	1019.63	1019.61	1019.58	1019.56	1019.53	1019.51	1019.50	1019.49	1019.46	1019.39	1019.34	1019.32	1019.49
	22	1019.30	1019.29	1019.29	1019.29	1019.28	1019.28	1019.30	1019.28	1019.25	1019.22	1019.19	1019.16	1019.26
	23	1019.13	1019.09	1019.06	1019.06	1019.07	1019.07	1019.07	1019.05	1019.02	1019.01	1018.99	1018.96	1019.05

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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	1018.94	1018.93	1018.89	1018.84	1018.80	1018.78	1018.81	1018.83	1018.79	1018.76	1018.74	1018.69	1018.81
	1	1018.63	1018.56	1018.48	1018.42	1018.36	1018.31	1018.26	1018.18	1018.11	1018.07	1018.06	1018.05	1018.29
	2	1018.03	1018.01	1018.00	1017.99	1018.02	1018.01	1017.94	1017.89	1017.87	1017.89	1017.90	1017.89	1017.95
	3	1017.86	1017.84	1017.83	1017.80	1017.75	1017.70	1017.66	1017.66	1017.68	1017.72	1017.75	1017.75	1017.75
	4	1017.74	1017.74	1017.77	1017.76	1017.76	1017.78	1017.79	1017.76	1017.72	1017.72	1017.74	1017.75	1017.75
	5	1017.74	1017.75	1017.79	1017.81	1017.82	1017.82	1017.83	1017.85	1017.85	1017.83	1017.80	1017.76	1017.80
	6	1017.75	1017.79	1017.85	1017.91	1017.97	1018.00	1017.99	1017.98	1017.99	1018.02	1018.03	1018.00	1017.94
	7	1018.00	1018.02	1018.08	1018.14	1018.16	1018.16	1018.14	1018.12	1018.07	1018.06	1018.12	1018.16	1018.10
	8	1018.17	1018.16	1018.15	1018.12	1018.12	1018.14	1018.14	1018.11	1018.08	1018.07	1018.04	1017.98	1018.10
	9	1017.93	1017.90	1017.88	1017.85	1017.84	1017.82	1017.78	1017.77	1017.77	1017.73	1017.69	1017.65	1017.80
	10	1017.59	1017.51	1017.44	1017.37	1017.29	1017.21	1017.15	1017.14	1017.14	1017.11	1017.08	1017.05	1017.25
	11	1017.00	1016.93	1016.87	1016.83	1016.78	1016.71	1016.64	1016.56	1016.48	1016.41	1016.36	1016.29	1016.65
	12	1016.21	1016.14	1016.09	1016.04	1015.98	1015.92	1015.84	1015.78	1015.74	1015.70	1015.66	1015.63	1015.89
	13	1015.59	1015.55	1015.52	1015.52	1015.54	1015.56	1015.55	1015.53	1015.49	1015.44	1015.42	1015.41	1015.51
	14	1015.40	1015.39	1015.40	1015.40	1015.38	1015.34	1015.29	1015.25	1015.22	1015.22	1015.22	1015.24	1015.31
	15	1015.26	1015.23	1015.19	1015.19	1015.20	1015.20	1015.19	1015.16	1015.13	1015.10	1015.09	1015.10	1015.17
	16	1015.09	1015.07	1015.07	1015.10	1015.10	1015.10	1015.13	1015.16	1015.19	1015.20	1015.19	1015.17	1015.13
	17	1015.15	1015.16	1015.18	1015.19	1015.21	1015.24	1015.31	1015.37	1015.39	1015.36	1015.36	1015.38	1015.27
	18	1015.39	1015.39	1015.36	1015.36	1015.34	1015.31	1015.30	1015.29	1015.30	1015.30	1015.26	1015.23	1015.32
	19	1015.25	1015.27	1015.25	1015.27	1015.30	1015.29	1015.29	1015.30	1015.28	1015.25	1015.24	1015.23	1015.27
	20	1015.21	1015.17	1015.18	1015.22	1015.24	1015.25	1015.24	1015.19	1015.15	1015.14	1015.17	1015.19	1015.19
	21	1015.15	1015.12	1015.13	1015.14	1015.15	1015.15	1015.12	1015.12	1015.11	1015.05	1015.00	1014.99	1015.10
	22	1014.97	1014.94	1014.92	1014.90	1014.90	1014.90	1014.91	1014.92	1014.93	1014.95	1014.96	1014.95	1014.93
	23	1014.94	1014.92	1014.90	1014.90	1014.92	1014.91	1014.89	1014.87	1014.84	1014.80	1014.77	1014.76	1014.87
24	0	1014.74	1014.76	1014.77	1014.77	1014.75	1014.75	1014.75	1014.73	1014.71	1014.68	1014.64	1014.57	1014.72
	1	1014.49	1014.45	1014.36	1014.26	1014.19	1014.17	1014.14	1014.10	1014.06	1014.01	1013.97	1013.95	1014.18
	2	1013.90	1013.85	1013.78	1013.71	1013.63	1013.58	1013.59	1013.60	1013.59	1013.55	1013.50	1013.51	1013.65
	3	1013.55	1013.57	1013.57	1013.55	1013.56	1013.56	1013.55	1013.56	1013.55	1013.49	1013.50	1013.56	1013.55
	4	1013.61	1013.65	1013.66	1013.62	1013.54	1013.51	1013.52	1013.49	1013.50	1013.54	1013.55	1013.59	1013.56
	5	1013.61	1013.63	1013.72	1013.77	1013.79	1013.82	1013.81	1013.77	1013.79	1013.79	1013.78	1013.78	1013.75
	6	1013.82	1013.88	1013.87	1013.80	1013.76	1013.79	1013.80	1013.78	1013.79	1013.80	1013.81	1013.82	1013.81
	7	1013.82	1013.83	1013.84	1013.81	1013.72	1013.60	1013.52	1013.50	1013.59	1013.70	1013.72	1013.76	1013.70
	8	1013.78	1013.77	1013.79	1013.80	1013.80	1013.79	1013.75	1013.67	1013.63	1013.62	1013.63	1013.64	1013.72
	9	1013.58	1013.49	1013.38	1013.28	1013.17	1013.06	1013.06	1013.10	1013.13	1013.16	1013.19	1013.18	1013.23
	10	1013.19	1013.23	1013.24	1013.23	1013.17	1013.08	1013.05	1012.98	1012.83	1012.66	1012.52	1012.39	1012.96
	11	1012.31	1012.37	1012.47	1012.48	1012.41	1012.36	1012.35	1012.35	1012.30	1012.23	1012.18	1012.15	1012.33
	12	1012.10	1012.07	1012.05	1012.00	1011.94	1011.86	1011.80	1011.76	1011.73	1011.71	1011.67	1011.62	1011.86
	13	1011.62	1011.61	1011.55	1011.50	1011.43	1011.36	1011.33	1011.33	1011.33	1011.32	1011.28	1011.24	1011.41
	14	1011.20	1011.19	1011.20	1011.26	1011.30	1011.31	1011.30	1011.26	1011.26	1011.29	1011.32	1011.36	1011.27
	15	1011.39	1011.43	1011.48	1011.47	1011.44	1011.43	1011.40	1011.35	1011.33	1011.35	1011.39	1011.45	1011.41
	16	1011.53	1011.57	1011.61	1011.62	1011.59	1011.64	1011.78	1011.89	1011.96	1011.99	1012.01	1012.04	1011.77
	17	1012.09	1012.14	1012.18	1012.23	1012.24	1012.25	1012.30	1012.38	1012.47	1012.50	1012.50	1012.47	1012.31
	18	1012.41	1012.39	1012.45	1012.51	1012.59	1012.66	1012.71	1012.72	1012.68	1012.65	1012.64	1012.67	1012.59
	19	1012.75	1012.77	1012.73	1012.68	1012.70	1012.75	1012.79	1012.81	1012.80	1012.82	1012.86	1012.84	1012.77
	20	1012.83	1012.82	1012.79	1012.77	1012.80	1012.80	1012.75	1012.74	1012.70	1012.65	1012.61	1012.59	1012.74
	21	1012.65	1012.66	1012.64	1012.60	1012.56	1012.55	1012.52	1012.52	1012.57	1012.62	1012.65	1012.65	1012.60
	22	1012.66	1012.72	1012.73	1012.72	1012.70	1012.71	1012.71	1012.65	1012.62	1012.58	1012.52	1012.47	1012.65
	23	1012.43	1012.40	1012.37	1012.33	1012.32	1012.32	1012.30	1012.29	1012.31	1012.32	1012.30	1012.23	1012.33

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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	1012.15	1012.12	1012.12	1012.15	1012.19	1012.24	1012.25	1012.29	1012.34	1012.34	1012.32	1012.38	1012.24
	1	1012.38	1012.27	1012.18	1012.13	1012.11	1012.12	1012.14	1012.13	1012.09	1012.10	1012.11	1012.08	1012.15
	2	1012.05	1011.99	1011.89	1011.81	1011.73	1011.66	1011.63	1011.67	1011.70	1011.66	1011.56	1011.49	1011.73
	3	1011.51	1011.55	1011.57	1011.56	1011.59	1011.63	1011.64	1011.65	1011.67	1011.71	1011.76	1011.82	1011.64
	4	1011.82	1011.83	1011.85	1011.86	1011.90	1011.89	1011.79	1011.72	1011.68	1011.67	1011.66	1011.64	1011.77
	5	1011.65	1011.65	1011.66	1011.63	1011.62	1011.61	1011.61	1011.62	1011.64	1011.67	1011.70	1011.72	1011.65
	6	1011.73	1011.75	1011.76	1011.81	1011.80	1011.73	1011.76	1011.87	1011.92	1011.88	1011.86	1011.91	1011.81
	7	1011.92	1011.89	1011.91	1011.91	1011.87	1011.86	1011.92	1011.99	1012.00	1012.01	1012.01	1012.00	1011.94
	8	1012.01	1011.99	1012.00	1012.04	1012.05	1012.06	1012.10	1012.10	1012.07	1012.07	1012.09	1012.10	1012.05
	9	1012.10	1012.08	1012.03	1011.97	1011.93	1011.91	1011.91	1011.92	1011.87	1011.83	1011.86	1011.90	1011.94
	10	1011.90	1011.92	1011.95	1011.95	1011.96	1011.98	1011.96	1011.99	1012.04	1012.04	1012.03	1012.04	1011.98
	11	1012.06	1012.05	1011.99	1011.91	1011.87	1011.84	1011.80	1011.76	1011.75	1011.69	1011.65	1011.64	1011.83
	12	1011.61	1011.57	1011.58	1011.59	1011.55	1011.57	1011.63	1011.64	1011.61	1011.56	1011.55	1011.53	1011.58
	13	1011.45	1011.36	1011.31	1011.26	1011.19	1011.17	1011.18	1011.24	1011.26	1011.24	1011.27	1011.26	1011.26
	14	1011.23	1011.21	1011.21	1011.21	1011.18	1011.12	1011.11	1011.11	1011.15	1011.19	1011.20	1011.25	1011.18
	15	1011.30	1011.33	1011.33	1011.31	1011.32	1011.37	1011.38	1011.41	1011.48	1011.50	1011.48	1011.53	1011.39
	16	1011.60	1011.66	1011.74	1011.81	1011.86	1011.92	1011.98	1012.03	1012.06	1012.10	1012.16	1012.23	1011.93
	17	1012.30	1012.35	1012.42	1012.49	1012.52	1012.50	1012.50	1012.53	1012.58	1012.61	1012.64	1012.69	1012.51
	18	1012.75	1012.83	1012.90	1012.97	1012.99	1012.97	1012.96	1012.96	1012.95	1012.95	1012.96	1012.99	1012.93
	19	1013.06	1013.13	1013.16	1013.19	1013.22	1013.24	1013.28	1013.29	1013.28	1013.28	1013.29	1013.33	1013.23
	20	1013.33	1013.31	1013.28	1013.22	1013.18	1013.17	1013.16	1013.15	1013.11	1013.08	1013.09	1013.11	1013.18
	21	1013.14	1013.15	1013.15	1013.14	1013.16	1013.18	1013.20	1013.21	1013.21	1013.18	1013.10	1012.98	1013.15
	22	1012.94	1013.00	1013.05	1013.10	1013.16	1013.21	1013.25	1013.22	1013.11	1013.05	1013.05	1013.05	1013.10
	23	1013.04	1012.98	1012.86	1012.71	1012.67	1012.70	1012.70	1012.71	1012.69	1012.64	1012.61	1012.56	1012.74
26	0	1012.47	1012.44	1012.40	1012.38	1012.36	1012.33	1012.34	1012.35	1012.31	1012.27	1012.22	1012.16	1012.33
	1	1012.09	1012.02	1012.00	1011.96	1011.90	1011.83	1011.74	1011.68	1011.67	1011.64	1011.57	1011.50	1011.80
	2	1011.45	1011.39	1011.31	1011.23	1011.20	1011.19	1011.17	1011.11	1011.08	1011.07	1011.04	1011.07	1011.19
	3	1011.13	1011.15	1011.16	1011.14	1011.13	1011.11	1011.06	1011.03	1011.02	1011.05	1011.12	1011.19	1011.10
	4	1011.18	1011.08	1010.98	1010.92	1010.89	1010.88	1010.84	1010.77	1010.71	1010.72	1010.71	1010.70	1010.86
	5	1010.70	1010.67	1010.62	1010.68	1010.79	1010.78	1010.81	1010.88	1010.89	1010.85	1010.79	1010.78	1010.77
	6	1010.78	1010.86	1011.00	1011.07	1011.09	1010.94	1010.76	1010.78	1010.93	1011.17	1011.34	1011.47	1011.01
	7	1011.58	1011.67	1011.77	1011.89	1011.98	1012.06	1012.18	1012.29	1012.36	1012.40	1012.48	1012.60	1012.10
	8	1012.68	1012.72	1012.76	1012.80	1012.82	1012.83	1012.85	1012.88	1012.92	1012.98	1013.00	1012.96	1012.85
	9	1012.94	1012.98	1013.04	1013.08	1013.08	1013.13	1013.18	1013.18	1013.21	1013.27	1013.36	1013.49	1013.16
	10	1013.57	1013.53	1013.48	1013.42	1013.36	1013.33	1013.33	1013.36	1013.36	1013.32	1013.34	1013.36	1013.39
	11	1013.35	1013.31	1013.22	1013.15	1013.11	1013.07	1013.08	1013.08	1013.05	1012.99	1012.89	1012.80	1013.09
	12	1012.78	1012.82	1012.78	1012.71	1012.71	1012.72	1012.72	1012.71	1012.68	1012.66	1012.64	1012.64	1012.71
	13	1012.68	1012.70	1012.71	1012.70	1012.66	1012.64	1012.67	1012.72	1012.76	1012.83	1012.86	1012.85	1012.73
	14	1012.85	1012.85	1012.84	1012.86	1012.92	1012.99	1013.04	1013.03	1013.05	1013.11	1013.13	1013.13	1012.98
	15	1013.15	1013.15	1013.15	1013.19	1013.27	1013.33	1013.33	1013.35	1013.38	1013.37	1013.39	1013.41	1013.29
	16	1013.41	1013.44	1013.52	1013.55	1013.58	1013.66	1013.70	1013.72	1013.76	1013.78	1013.81	1013.89	1013.65
	17	1013.98	1014.05	1014.10	1014.17	1014.26	1014.33	1014.37	1014.38	1014.40	1014.43	1014.48	1014.52	1014.29
	18	1014.55	1014.61	1014.67	1014.71	1014.73	1014.76	1014.78	1014.77	1014.82	1014.87	1014.90	1014.95	1014.76
	19	1015.01	1015.07	1015.09	1015.04	1015.03	1015.06	1015.09	1015.09	1015.11	1015.15	1015.20	1015.28	1015.10
	20	1015.35	1015.40	1015.43	1015.45	1015.50	1015.56	1015.58	1015.62	1015.67	1015.74	1015.81	1015.87	1015.58
	21	1015.90	1015.93	1015.95	1015.98	1016.01	1016.03	1016.05	1016.10	1016.14	1016.15	1016.19	1016.27	1016.06
	22	1016.34	1016.37	1016.39	1016.41	1016.42	1016.40	1016.37	1016.36	1016.37	1016.39	1016.39	1016.39	1016.38
	23	1016.42	1016.47	1016.50	1016.55	1016.57	1016.56	1016.56	1016.53	1016.50	1016.51	1016.53	1016.53	1016.52

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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
27	0	1016.56	1016.57	1016.60	1016.65	1016.66	1016.67	1016.69	1016.70	1016.70	1016.72	1016.77	1016.79	1016.68
	1	1016.77	1016.74	1016.74	1016.74	1016.71	1016.70	1016.66	1016.64	1016.61	1016.58	1016.55	1016.50	1016.66
	2	1016.47	1016.44	1016.42	1016.40	1016.41	1016.40	1016.35	1016.34	1016.37	1016.36	1016.33	1016.34	1016.38
	3	1016.38	1016.41	1016.42	1016.45	1016.47	1016.47	1016.48	1016.50	1016.54	1016.59	1016.65	1016.67	1016.50
	4	1016.67	1016.68	1016.70	1016.77	1016.83	1016.87	1016.91	1016.93	1016.93	1016.90	1016.91	1016.92	1016.83
	5	1016.94	1016.98	1017.02	1017.03	1017.02	1017.03	1017.01	1016.98	1017.00	1017.03	1017.07	1017.13	1017.02
	6	1017.18	1017.25	1017.30	1017.31	1017.33	1017.42	1017.53	1017.58	1017.61	1017.66	1017.73	1017.76	1017.47
	7	1017.79	1017.85	1017.87	1017.84	1017.88	1017.93	1017.94	1017.91	1017.93	1017.99	1018.01	1018.05	1017.91
	8	1018.08	1018.09	1018.10	1018.13	1018.16	1018.19	1018.21	1018.23	1018.26	1018.28	1018.30	1018.32	1018.19
	9	1018.33	1018.33	1018.35	1018.38	1018.40	1018.43	1018.45	1018.42	1018.38	1018.38	1018.37	1018.35	1018.38
	10	1018.34	1018.34	1018.33	1018.29	1018.24	1018.22	1018.25	1018.25	1018.22	1018.20	1018.17	1018.15	1018.25
	11	1018.12	1018.10	1018.07	1018.05	1018.05	1018.03	1017.99	1017.96	1017.90	1017.83	1017.80	1017.79	1017.97
	12	1017.78	1017.77	1017.78	1017.70	1017.63	1017.65	1017.64	1017.60	1017.57	1017.54	1017.52	1017.47	1017.63
	13	1017.42	1017.40	1017.39	1017.41	1017.43	1017.46	1017.48	1017.50	1017.49	1017.50	1017.49	1017.45	1017.45
	14	1017.43	1017.43	1017.42	1017.39	1017.39	1017.41	1017.45	1017.50	1017.53	1017.56	1017.57	1017.58	1017.47
	15	1017.61	1017.65	1017.68	1017.69	1017.66	1017.70	1017.76	1017.79	1017.83	1017.88	1017.91	1017.93	1017.75
	16	1017.92	1017.92	1017.94	1017.95	1017.94	1017.91	1017.89	1017.89	1017.95	1018.03	1018.10	1018.17	1017.97
	17	1018.24	1018.25	1018.29	1018.40	1018.48	1018.50	1018.54	1018.58	1018.59	1018.63	1018.66	1018.68	1018.48
	18	1018.75	1018.81	1018.81	1018.80	1018.80	1018.81	1018.82	1018.81	1018.80	1018.82	1018.87	1018.90	1018.81
	19	1018.91	1018.92	1018.97	1019.00	1019.02	1019.02	1019.03	1019.06	1019.10	1019.15	1019.19	1019.20	1019.05
	20	1019.21	1019.26	1019.28	1019.27	1019.28	1019.32	1019.35	1019.35	1019.35	1019.34	1019.34	1019.38	1019.31
	21	1019.41	1019.43	1019.47	1019.54	1019.60	1019.64	1019.68	1019.72	1019.72	1019.75	1019.79	1019.81	1019.63
	22	1019.84	1019.88	1019.93	1019.96	1019.98	1020.01	1020.03	1020.08	1020.13	1020.20	1020.27	1020.30	1020.05
	23	1020.33	1020.36	1020.37	1020.35	1020.34	1020.37	1020.39	1020.40	1020.41	1020.43	1020.42	1020.42	1020.38
28	0	1020.43	1020.42	1020.42	1020.44	1020.42	1020.40	1020.43	1020.46	1020.46	1020.46	1020.49	1020.53	1020.44
	1	1020.54	1020.54	1020.57	1020.62	1020.65	1020.66	1020.65	1020.60	1020.54	1020.52	1020.52	1020.53	1020.58
	2	1020.55	1020.56	1020.59	1020.59	1020.59	1020.63	1020.63	1020.64	1020.69	1020.75	1020.82	1020.85	1020.65
	3	1020.86	1020.85	1020.85	1020.84	1020.80	1020.81	1020.85	1020.90	1020.91	1020.87	1020.84	1020.81	1020.85
	4	1020.84	1020.94	1020.99	1021.03	1021.07	1021.06	1021.08	1021.11	1021.13	1021.14	1021.13	1021.13	1021.05
	5	1021.11	1021.11	1021.14	1021.16	1021.19	1021.25	1021.27	1021.27	1021.29	1021.34	1021.42	1021.52	1021.25
	6	1021.59	1021.69	1021.78	1021.84	1021.90	1021.97	1022.08	1022.22	1022.33	1022.39	1022.47	1022.52	1022.06
	7	1022.57	1022.60	1022.64	1022.69	1022.71	1022.74	1022.75	1022.74	1022.74	1022.75	1022.74	1022.76	1022.70
	8	1022.80	1022.76	1022.71	1022.73	1022.75	1022.74	1022.72	1022.74	1022.77	1022.76	1022.77	1022.80	1022.75
	9	1022.82	1022.85	1022.86	1022.91	1022.94	1022.95	1022.98	1023.01	1023.00	1022.96	1022.95	1022.97	1022.93
	10	1022.96	1022.93	1022.93	1022.95	1022.96	1022.96	1022.94	1022.92	1022.89	1022.86	1022.82	1022.75	1022.90
	11	1022.69	1022.65	1022.62	1022.61	1022.60	1022.58	1022.56	1022.53	1022.49	1022.45	1022.42	1022.42	1022.55
	12	1022.41	1022.38	1022.37	1022.34	1022.31	1022.27	1022.20	1022.16	1022.13	1022.11	1022.08	1022.04	1022.23
	13	1022.01	1021.99	1021.98	1021.96	1021.94	1021.94	1021.98	1022.05	1022.10	1022.12	1022.14	1022.17	1022.03
	14	1022.20	1022.21	1022.21	1022.25	1022.26	1022.26	1022.25	1022.26	1022.27	1022.28	1022.26	1022.24	1022.24
	15	1022.26	1022.24	1022.20	1022.19	1022.19	1022.19	1022.22	1022.25	1022.26	1022.26	1022.29	1022.33	1022.24
	16	1022.36	1022.39	1022.43	1022.50	1022.58	1022.64	1022.69	1022.72	1022.74	1022.77	1022.80	1022.84	1022.62
	17	1022.88	1022.94	1023.01	1023.06	1023.12	1023.19	1023.22	1023.21	1023.21	1023.25	1023.32	1023.37	1023.15
	18	1023.39	1023.39	1023.38	1023.36	1023.36	1023.38	1023.37	1023.35	1023.33	1023.30	1023.28	1023.29	1023.35
	19	1023.31	1023.33	1023.35	1023.38	1023.41	1023.41	1023.42	1023.42	1023.41	1023.44	1023.48	1023.53	1023.41
	20	1023.56	1023.56	1023.58	1023.63	1023.68	1023.70	1023.72	1023.75	1023.76	1023.75	1023.76	1023.75	1023.68
	21	1023.75	1023.75	1023.73	1023.68	1023.64	1023.61	1023.61	1023.60	1023.58	1023.58	1023.59	1023.59	1023.64
	22	1023.58	1023.57	1023.55	1023.53	1023.51	1023.51	1023.50	1023.49	1023.52	1023.54	1023.53	1023.50	1023.52
	23	1023.52	1023.58	1023.64	1023.66	1023.64	1023.62	1023.60	1023.62	1023.65	1023.64	1023.61	1023.56	1023.61

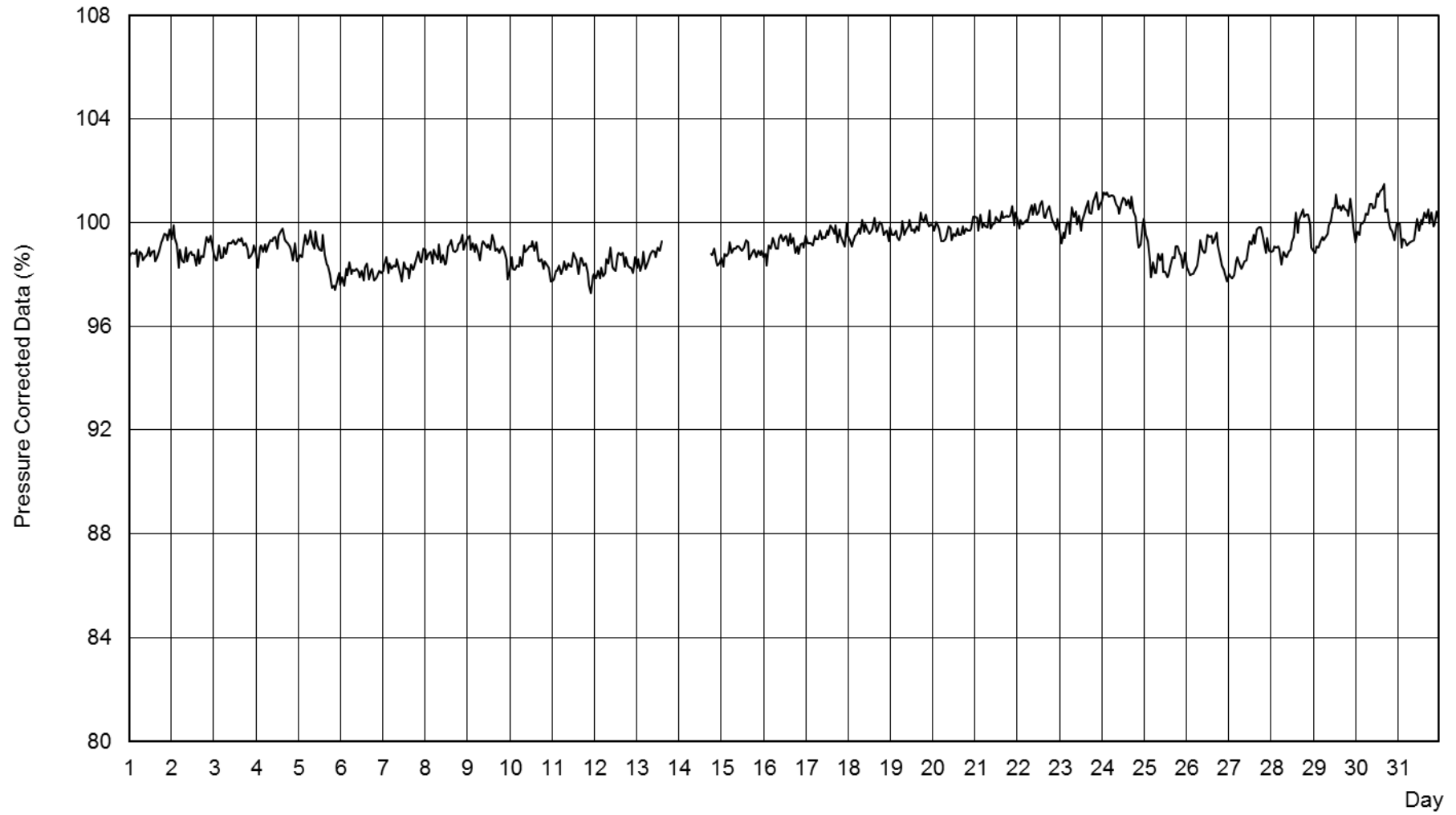
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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1023.53	1023.55	1023.56	1023.54	1023.52	1023.49	1023.48	1023.49	1023.49	1023.50	1023.50	1023.47	1023.51
	1	1023.47	1023.48	1023.48	1023.49	1023.49	1023.46	1023.43	1023.41	1023.38	1023.36	1023.34	1023.31	1023.42
	2	1023.31	1023.32	1023.30	1023.27	1023.24	1023.23	1023.24	1023.25	1023.26	1023.23	1023.18	1023.15	1023.25
	3	1023.14	1023.15	1023.18	1023.18	1023.19	1023.19	1023.15	1023.14	1023.16	1023.16	1023.13	1023.12	1023.16
	4	1023.12	1023.10	1023.09	1023.09	1023.07	1023.04	1023.03	1023.00	1022.99	1023.00	1023.03	1023.04	1023.05
	5	1023.05	1023.07	1023.10	1023.11	1023.09	1023.07	1023.08	1023.06	1023.08	1023.13	1023.16	1023.20	1023.10
	6	1023.22	1023.26	1023.35	1023.44	1023.47	1023.48	1023.55	1023.65	1023.74	1023.77	1023.75	1023.77	1023.54
	7	1023.82	1023.82	1023.78	1023.76	1023.75	1023.77	1023.84	1023.87	1023.88	1023.91	1023.93	1023.93	1023.84
	8	1023.92	1023.90	1023.89	1023.89	1023.93	1023.96	1023.96	1023.94	1023.94	1023.97	1023.99	1023.95	1023.93
	9	1023.89	1023.88	1023.84	1023.79	1023.77	1023.74	1023.67	1023.60	1023.53	1023.45	1023.39	1023.32	1023.65
	10	1023.25	1023.20	1023.12	1023.06	1023.00	1022.95	1022.91	1022.88	1022.83	1022.76	1022.70	1022.64	1022.94
	11	1022.59	1022.58	1022.55	1022.51	1022.45	1022.38	1022.29	1022.22	1022.16	1022.11	1022.08	1022.03	1022.33
	12	1021.98	1021.93	1021.86	1021.78	1021.71	1021.64	1021.57	1021.50	1021.47	1021.42	1021.35	1021.33	1021.63
	13	1021.29	1021.24	1021.21	1021.15	1021.10	1021.07	1021.04	1021.01	1020.98	1020.98	1020.98	1020.97	1021.08
	14	1020.93	1020.92	1020.96	1021.00	1021.03	1021.05	1021.06	1021.06	1021.05	1021.06	1021.07	1021.03	1021.02
	15	1020.99	1020.96	1020.94	1020.91	1020.85	1020.81	1020.83	1020.86	1020.88	1020.89	1020.89	1020.91	1020.89
	16	1020.95	1021.01	1021.05	1021.07	1021.10	1021.14	1021.19	1021.24	1021.28	1021.29	1021.32	1021.38	1021.17
	17	1021.39	1021.42	1021.47	1021.51	1021.55	1021.59	1021.63	1021.64	1021.64	1021.64	1021.63	1021.62	1021.56
	18	1021.63	1021.63	1021.65	1021.65	1021.61	1021.59	1021.61	1021.61	1021.61	1021.64	1021.65	1021.61	1021.62
	19	1021.61	1021.61	1021.58	1021.56	1021.56	1021.58	1021.59	1021.59	1021.59	1021.60	1021.59	1021.55	1021.58
	20	1021.53	1021.52	1021.54	1021.54	1021.53	1021.51	1021.49	1021.49	1021.48	1021.46	1021.43	1021.39	1021.49
	21	1021.35	1021.34	1021.35	1021.33	1021.25	1021.17	1021.11	1021.07	1021.05	1021.05	1021.05	1021.08	1021.18
	22	1021.10	1021.09	1021.10	1021.09	1021.08	1021.11	1021.09	1021.06	1021.02	1020.99	1020.99	1020.96	1021.05
	23	1020.94	1020.92	1020.89	1020.88	1020.88	1020.89	1020.88	1020.87	1020.83	1020.80	1020.81	1020.81	1020.86
30	0	1020.74	1020.75	1020.76	1020.73	1020.69	1020.67	1020.65	1020.62	1020.58	1020.58	1020.61	1020.61	1020.66
	1	1020.59	1020.58	1020.58	1020.57	1020.51	1020.46	1020.40	1020.32	1020.27	1020.23	1020.18	1020.12	1020.40
	2	1020.11	1020.11	1020.07	1020.03	1020.01	1019.99	1019.96	1019.92	1019.90	1019.90	1019.90	1019.87	1019.98
	3	1019.85	1019.85	1019.87	1019.88	1019.84	1019.80	1019.77	1019.78	1019.83	1019.86	1019.86	1019.89	1019.84
	4	1019.90	1019.91	1019.90	1019.86	1019.85	1019.85	1019.86	1019.87	1019.86	1019.84	1019.82	1019.80	1019.86
	5	1019.79	1019.78	1019.77	1019.78	1019.79	1019.81	1019.83	1019.82	1019.80	1019.80	1019.82	1019.84	1019.80
	6	1019.88	1019.95	1020.02	1020.07	1020.13	1020.20	1020.25	1020.31	1020.39	1020.46	1020.51	1020.55	1020.22
	7	1020.58	1020.61	1020.65	1020.68	1020.70	1020.72	1020.72	1020.73	1020.78	1020.81	1020.81	1020.85	1020.72
	8	1020.87	1020.88	1020.91	1020.91	1020.90	1020.88	1020.86	1020.85	1020.86	1020.85	1020.82	1020.85	1020.87
	9	1020.88	1020.86	1020.84	1020.85	1020.85	1020.85	1020.86	1020.88	1020.89	1020.87	1020.82	1020.78	1020.85
	10	1020.77	1020.76	1020.73	1020.69	1020.63	1020.57	1020.52	1020.47	1020.43	1020.37	1020.30	1020.20	1020.53
	11	1020.10	1020.03	1019.99	1019.96	1019.90	1019.88	1019.82	1019.74	1019.66	1019.58	1019.51	1019.46	1019.80
	12	1019.40	1019.34	1019.25	1019.19	1019.15	1019.09	1019.03	1018.97	1018.91	1018.87	1018.84	1018.78	1019.07
	13	1018.73	1018.70	1018.68	1018.68	1018.67	1018.65	1018.62	1018.60	1018.61	1018.63	1018.64	1018.63	1018.65
	14	1018.62	1018.62	1018.64	1018.65	1018.65	1018.65	1018.64	1018.63	1018.62	1018.60	1018.59	1018.56	1018.62
	15	1018.53	1018.53	1018.52	1018.50	1018.50	1018.51	1018.54	1018.56	1018.56	1018.55	1018.56	1018.58	1018.53
	16	1018.59	1018.58	1018.58	1018.57	1018.59	1018.61	1018.61	1018.63	1018.67	1018.68	1018.72	1018.73	1018.63
	17	1018.74	1018.74	1018.75	1018.73	1018.75	1018.82	1018.88	1018.94	1018.99	1019.03	1019.09	1019.11	1018.88
	18	1019.14	1019.18	1019.16	1019.14	1019.18	1019.24	1019.27	1019.27	1019.27	1019.32	1019.36	1019.35	1019.24
	19	1019.35	1019.36	1019.37	1019.41	1019.47	1019.46	1019.46	1019.47	1019.44	1019.45	1019.45	1019.44	1019.43
	20	1019.43	1019.45	1019.46	1019.44	1019.43	1019.43	1019.41	1019.37	1019.33	1019.27	1019.24	1019.25	1019.37
	21	1019.27	1019.26	1019.22	1019.21	1019.20	1019.17	1019.16	1019.13	1019.08	1019.05	1019.03	1019.01	1019.15
	22	1018.97	1019.00	1019.04	1019.08	1019.09	1019.12	1019.15	1019.17	1019.21	1019.23	1019.26	1019.29	1019.13
	23	1019.29	1019.28	1019.29	1019.30	1019.31	1019.33	1019.36	1019.40	1019.45	1019.47	1019.44	1019.44	1019.36

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
31	0	1019.47	1019.47	1019.45	1019.43	1019.40	1019.35	1019.36	1019.38	1019.37	1019.32	1019.23	1019.15	1019.36
	1	1019.15	1019.13	1019.08	1019.07	1019.05	1019.07	1019.08	1019.06	1019.03	1019.00	1019.00	1018.96	1019.05
	2	1018.92	1018.91	1018.84	1018.78	1018.77	1018.76	1018.75	1018.69	1018.65	1018.67	1018.65	1018.64	1018.75
	3	1018.65	1018.63	1018.62	1018.65	1018.64	1018.63	1018.64	1018.63	1018.67	1018.69	1018.70	1018.73	1018.65
	4	1018.71	1018.71	1018.69	1018.69	1018.70	1018.63	1018.59	1018.56	1018.53	1018.53	1018.50	1018.50	1018.61
	5	1018.50	1018.50	1018.50	1018.53	1018.57	1018.59	1018.62	1018.64	1018.67	1018.71	1018.75	1018.80	1018.61
	6	1018.85	1018.90	1018.93	1018.94	1018.96	1018.97	1018.97	1018.96	1018.98	1019.01	1019.03	1019.04	1018.96
	7	1019.02	1019.02	1019.04	1019.08	1019.10	1019.06	1019.05	1019.05	1019.03	1019.05	1019.06	1019.08	1019.05
	8	1019.10	1019.08	1019.10	1019.12	1019.11	1019.12	1019.13	1019.11	1019.08	1019.03	1019.02	1019.06	1019.08
	9	1019.09	1019.13	1019.15	1019.18	1019.19	1019.19	1019.21	1019.21	1019.20	1019.18	1019.16	1019.13	1019.17
	10	1019.11	1019.08	1019.04	1019.00	1018.94	1018.86	1018.79	1018.74	1018.68	1018.64	1018.59	1018.53	1018.83
	11	1018.48	1018.42	1018.37	1018.29	1018.23	1018.17	1018.12	1018.09	1018.04	1018.01	1018.00	1017.97	1018.18
	12	1017.95	1017.93	1017.89	1017.84	1017.78	1017.76	1017.72	1017.68	1017.65	1017.61	1017.58	1017.56	1017.74
	13	1017.55	1017.56	1017.51	1017.45	1017.42	1017.41	1017.37	1017.35	1017.33	1017.31	1017.31	1017.30	1017.40
	14	1017.30	1017.31	1017.29	1017.26	1017.22	1017.19	1017.20	1017.21	1017.21	1017.22	1017.24	1017.27	1017.24
	15	1017.28	1017.27	1017.27	1017.28	1017.32	1017.33	1017.32	1017.34	1017.37	1017.40	1017.42	1017.45	1017.33
	16	1017.46	1017.46	1017.49	1017.52	1017.54	1017.56	1017.59	1017.59	1017.58	1017.61	1017.64	1017.66	1017.56
	17	1017.65	1017.65	1017.67	1017.69	1017.69	1017.72	1017.76	1017.79	1017.81	1017.82	1017.83	1017.85	1017.74
	18	1017.87	1017.86	1017.84	1017.82	1017.79	1017.79	1017.81	1017.83	1017.86	1017.90	1017.93	1017.97	1017.85
	19	1017.99	1018.00	1018.00	1017.98	1017.97	1017.97	1017.98	1017.99	1018.00	1018.01	1018.03	1018.05	1018.00
	20	1018.07	1018.06	1018.07	1018.12	1018.15	1018.17	1018.21	1018.22	1018.21	1018.22	1018.23	1018.24	1018.16
	21	1018.24	1018.25	1018.27	1018.29	1018.33	1018.33	1018.31	1018.28	1018.26	1018.23	1018.21	1018.21	1018.27
	22	1018.19	1018.17	1018.16	1018.15	1018.14	1018.12	1018.13	1018.14	1018.14	1018.12	1018.10	1018.09	1018.13
	23	1018.06	1018.03	1018.01	1017.99	1017.96	1017.93	1017.91	1017.92	1017.92	1017.91	1017.90	1017.86	1017.95

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