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SVIRCO Prompt Report: April 2013

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: April 2013

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 April 2013 by the Neutron Monitor of SVIRCO-Rome (present geographic position: 41.86° N - 12.47° E; altitude about s.l.), is reported in prompt form together with the barometric pressure data.

SVIRCO OBSERVATORY

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

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

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

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

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

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

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, IAPS/INAF-UNIRomaTre collaboration, under the following conditions:

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

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

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

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

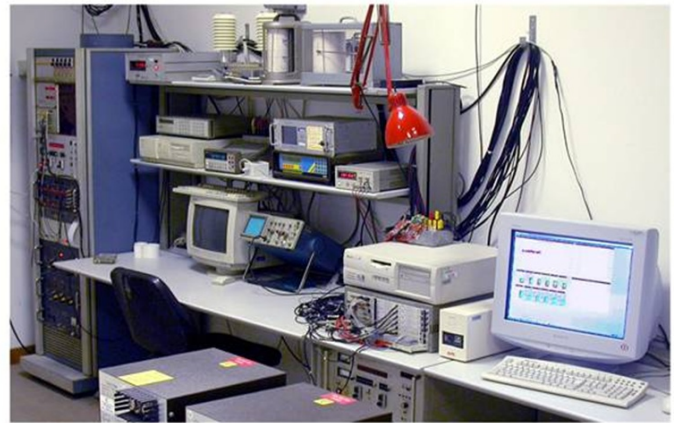
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S.V.I.R.CO. Observatory

Rome

Italy



		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIRomaTre													
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	46541	45853	45125	45692	45199	45589	45837	45527	45656	45855	45544	45466	99.287	
	1	45801	45261	45529	45336	46026	45482	45700	46052	45204	45914	45764	45284	99.188	
	2	45815	45714	45238	45531	45518	45897	45617	45777	45897	45384	45740	45535	99.244	
	3	45612	44795	45892	45748	45050	45373	45898	45622	45999	45969	45417	46239	99.235	
	4	45147	45782	46409	45791	45860	45815	45730	45032	45693	45592	45367	45574	99.268	
	5	44746	45694	46214	46002	45948	45696	45522	45880	45148	46097	46145	45911	99.487	
	6	44813	46309	45513	45515	45846	46006	46303	45669	45862	45786	46083	45272	99.483	
	7	46443	45490	45678	45635	45881	45802	45537	45920	45907	45203	45500	45301	99.359	
	8	46050	45450	45056	45830	46080	45578	46551	46032	45689	45797	45973	45570	99.605	
	9	45776	45978	45289	45883	46235	45599	45561	46069	46191	45562	45932	45788	99.643	
	10	46180	45602	46077	45739	45517	45996	45851	45780	46234	46307	46337	45932	99.949	
	11	46076	45872	45258	45534	45542	45482	46134	45189	45488	45844	46079	46566	99.498	
	12	45851	45951	45929	45961	45645	45645	45727	46135	45853	45591	45789	45332	99.560	
	13	45646	45807	45890	46343	46384	46157	45663	45484	46414	46416	45387	46024	99.961	
	14	45550	45643	46123	45997	45836	46157	46036	45321	46428	46418	46124	45997	99.964	
	15	46061	45389	46177	45867	46333	45970	45785	46590	46430	45800	45916	45177	99.939	
	16	45843	46121	46235	46515	46109	45881	46029	45199	45543	45831	46090	45985	99.918	
	17	45778	46043	45900	45778	45542	45928	45570	45527	45541	45190	45740	45319	99.279	
	18	45875	45659	45860	45596	45359	45754	45690	45671	45175	46248	45225	45466	99.229	
	19	45555	45561	45824	46312	45546	45668	45008	45838	45484	45243	45633	45688	99.190	
	20	45986	45467	45321	45677	45344	45953	45268	45519	45913	46410	45511	45767	99.330	
	21	45610	45779	46308	45596	45430	45773	45427	45574	45231	45320	44931	45485	99.027	
	22	45518	45751	45856	45450	45890	45894	45112	45291	45829	45620	46037	45281	99.220	
	23	45182	45456	45585	44920	45306	45496	45709	45508	45613	46042	45453	45407	98.884	
2	0	45395	45150	46260	45627	45277	45638	45431	45359	45805	45754	45639	45479	99.086	
	1	45625	45818	45572	45604	45822	45473	45483	45766	45824	45512	45123	45184	99.089	
	2	45976	45691	45878	45712	45735	45452	45028	45260	45957	45242	46267	45881	99.320	
	3	45103	45654	46008	45854	45483	45294	45376	45271	46122	45477	45584	45808	99.130	
	4	45754	45677	45840	45361	45256	45266	45330	46031	45219	45175	45545	45636	98.959	
	5	45858	45379	45564	45905	45737	45245	45772	45890	45646	45605	45951	45800	99.369	
	6	46146	45693	45810	45864	45441	45357	45827	45714	45409	46065	45979	45437	99.440	
	7	45547	45791	45966	45841	45943	46012	46386	46545	45594	45952	45897	46706	100.063	
	8	45484	46069	46489	45759	45892	45893	45825	45915	45758	45884	45992	46433	99.920	
	9	45927	45437	45551	46134	46013	46665	46559	46363	46650	46129	45975	45910	100.269	
	10	45713	45725	46390	46008	46285	45831	46111	46023	45912	46047	45613	45696	99.913	
	11	46038	46178	45945	45794	45982	46119	46295	45728	46028	45718	46412	45879	100.052	
	12	45649	45682	46075	45652	45382	45912	46024	45616	46118	45650	45834	45484	99.501	
	13	46388	46211	46221	45444	46324	46348	45741	46244	45954	46024	46205	46205	100.267	
	14	45987	45497	45739	46067	46062	46376	45941	45983	46031	45854	45833	45974	99.911	
	15	46330	45822	45555	46098	45976	45764	45437	45974	46323	46179	46085	45997	99.947	
	16	46027	45973	45647	45920	46449	46159	45557	45698	45874	45740	45720	45636	99.741	
	17	46347	45592	45682	45824	46199	45704	46038	45465	46761	46096	45961	45835	99.940	
	18	46056	45814	45056	46184	45812	45613	45504	45813	45756	45986	45307	46021	99.473	
	19	45733	46353	45999	45413	46081	46015	46633	45928	45748	45658	45928	45785	99.899	
	20	45963	45765	45405	46275	45764	45640	45910	45638	45909	46209	46033	46039	99.767	
	21	46287	45222	45791	45270	45367	46256	45147	46121	45655	45990	45620	45842	99.408	
	22	45563	45584	45967	45676	45268	45808	45634	45448	46002	45477	45461	46376	99.353	
	23	45793	45910	45566	45611	45675	45912	45945	45799	45899	45436	46086	45360	99.485	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	45584	46203	45258	45531	45508	45734	45747	45695	45105	45757	45692	45894	99.259
	1	45884	45430	45553	45645	45597	46311	45835	45939	45860	46395	46118	45824	99.739
	2	45328	45340	45756	45640	46284	45606	45887	45815	45820	45493	45536	45702	99.343
	3	46101	46022	45761	45903	45579	45472	46246	45552	45396	45466	45493	45698	99.430
	4	46693	45499	45818	45471	45155	45968	45676	45562	45570	45931	45275	45587	99.343
	5	45604	45872	45647	45882	46042	46167	46026	45528	45490	45623	45262	46265	99.561
	6	46350	45241	45701	45973	45808	44890	45525	45926	45765	45786	46233	45533	99.438
	7	45764	45941	46413	46177	45759	46217	46000	45335	45651	45980	45620	46134	99.847
	8	46533	45726	45486	45826	46167	46267	45732	45646	45969	46330	45705	45933	99.907
	9	46597	45697	45689	46462	46159	45868	45938	46393	46217	45764	45775	45701	100.078
	10	45720	46182	45690	46137	46059	45942	45969	45736	45860	46267	45775	45629	99.843
	11	45435	45629	46450	45817	46224	45812	46075	46107	45893	46103	46229	45946	99.979
	12	46604	46237	45685	45959	46139	45908	45821	46404	46339	45567	45764	45724	100.057
	13	46474	46285	45930	46063	46444	45893	45826	46381	46115	45463	45969	46447	100.264
	14	46214	46070	45664	46030	45502	46503	45922	45826	45773	46096	46214	45810	99.962
	15	45888	45686	45784	45306	46692	46485	45603	45804	45956	46001	46080	46808	100.047
	16	46104	45946	45891	46089	45376	45570	45783	45616	46126	45677	45632	45998	99.633
	17	45751	46428	46240	46012	44891	45486	45186	45664	45853	46157	45966	45807	99.567
	18	45922	45966	46723	45603	45996	45765	45763	45618	45480	45769	45506	45640	99.623
	19	45844	45355	45992	45561	45970	46031	46075	45747	46008	46221	45567	45779	99.695
	20	46304	46252	45803	45962	45758	45910	45591	46326	46015	45515	45475	45382	99.721
	21	45899	45221	45782	45618	45109	45790	45879	45339	46091	45907	45969	45654	99.352
	22	46388	45820	46099	45784	45660	45640	45795	45591	45236	45595	45790	45594	99.485
	23	45304	45757	46086	45698	45351	45544	45023	45620	46137	46113	45755	46045	99.383
4	0	45263	45661	46287	46075	46015	45571	45319	45523	45431	46228	45648	45145	99.332
	1	46734	45781	45371	45893	46105	45827	45850	45242	46354	45928	45786	45800	99.789
	2	45192	45922	45858	45775	45302	45333	45661	46081	45830	45817	45411	45850	99.311
	3	45559	45825	45571	45326	46225	45625	45168	45437	46410	45853	45779	45802	99.410
	4	45432	45766	45197	45578	45749	45719	45694	45645	45866	45751	45264	45791	99.206
	5	45751	45543	45817	46014	45065	46134	46057	45747	45603	46073	46302	45908	99.671
	6	45804	46094	45820	46151	46275	45679	46053	46133	45821	45724	45765	45740	99.860
	7	45759	46504	46252	45926	45982	45714	46078	45711	45998	45958	45805	45624	99.905
	8	45301	45472	45619	45714	45681	46266	45703	46094	45777	45497	45845	45908	99.464
	9	45859	45758	45552	45965	46262	46010	45857	45084	45966	45545	45891	44945	99.432
	10	45881	45435	45759	46352	46202	45977	46431	46325	45822	45498	44912	45839	99.746
	11	45594	46137	46034	45389	45934	45926	45947	45977	45670	46252	46077	45982	99.834
	12	45885	45893	45886	45465	45924	46158	46203	45738	46139	45775	46295	46337	99.976
	13	46400	45883	46128	45935	45535	45972	46410	45999	46088	45624	46044	45605	99.962
	14	45576	45827	45352	45237	45660	46299	46084	45683	46146	45773	46166	45718	99.582
	15	45922	45666	46100	45659	46208	45783	46289	46158	46363	46141	46036	45775	100.049
	16	46203	46173	46009	46152	46612	46209	45998	45735	46808	45857	45332	45955	100.219
	17	45898	45879	45747	46033	45802	46221	46566	45846	46185	46256	46331	46013	100.172
	18	45650	46492	45590	45501	45823	46008	46495	46151	45929	46222	46185	46086	100.055
	19	46398	45834	46540	46097	46460	45686	46216	45615	45926	46036	45712	46298	100.179
	20	46576	46398	45755	45690	45939	46392	46032	45819	45894	45888	46054	45309	99.983
	21	46475	45948	45609	46316	46346	46427	46022	45765	45543	45722	45558	46256	100.028
	22	46436	45945	46080	45933	46542	45854	45553	46279	45709	46618	46056	45548	100.131
	23	46534	46076	45825	46393	46013	46140	46140	46574	46424	46306	45847	46071	100.455

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIRomaTre													
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	45888	46297	45733	46252	46609	45758	46550	45891	46134	46386	45531	45685	100.154	
	1	45995	45902	45400	45676	46236	46130	45847	46117	46151	45965	45820	46185	99.926	
	2	45813	45832	45989	45739	45604	45579	45652	46089	45741	45625	45627	45792	99.502	
	3	45973	46007	45802	46457	46226	45899	45955	46241	46021	46248	46009	45704	100.129	
	4	45938	45865	45744	45997	45907	46033	46034	45379	45673	45753	45617	45568	99.579	
	5	45653	46464	45939	45757	46447	46195	46036	45880	46011	45812	45892	46406	100.119	
	6	46184	46242	45643	46228	45734	45032	46000	46406	46491	45725	46287	45839	99.996	
	7	46280	46238	45511	46076	46542	46011	45544	46269	44997	45593	46226	45552	99.820	
	8	45913	46201	45893	45972	46012	45902	45543	45841	45444	45733	46045	46223	99.799	
	9	45498	45474	45565	46151	45713	45569	46393	45718	45644	46354	46215	45832	99.690	
	10	45632	45579	46110	45745	46293	46129	45943	46284	46494	46357	45597	46223	100.100	
	11	45767	46277	46027	46267	45937	46138	45792	45596	46258	46389	46217	45714	100.099	
	12	46126	45698	45571	46053	46378	45675	46220	45864	45611	46605	45324	45517	99.784	
	13	45466	45517	46269	46040	46034	46079	45506	46210	45421	46681	46091	46516	99.999	
	14	46055	46113	46296	45924	46347	45435	45532	46417	46067	46023	46307	45898	100.105	
	15	46341	46380	46460	46365	46857	45789	46586	46461	46482	45920	46173	46403	100.794	
	16	46200	46584	46528	45755	46065	46060	46439	45537	46065	45591	46607	46489	100.378	
	17	46229	45970	45740	46001	46069	45962	46392	46590	45882	45603	45567	46198	100.067	
	18	46021	46243	46181	45518	46945	46060	46009	45651	46272	45506	45539	46451	100.102	
	19	46088	45943	45884	45908	45524	46241	46332	46273	46038	45847	46163	46489	100.162	
	20	45489	46627	46000	46233	46724	45352	45803	45604	45382	45995	45754	46091	99.859	
	21	45971	46369	45468	45839	45735	46051	45926	45713	46226	45646	46153	46356	99.931	
	22	45811	46224	45595	46009	45435	46402	46267	46206	45109	45256	45745	45658	99.616	
	23	46327	46162	45951	45590	45796	45692	45760	45618	45479	45866	46122	45342	99.615	
6	0	45597	45411	46154	45504	46169	45927	45961	45506	45918	45769	45416	45630	99.475	
	1	45695	46014	45746	45352	46209	45560	45438	45478	45602	45958	46045	45707	99.451	
	2	45821	45866	46011	45387	46133	45790	45500	45484	46016	45668	46010	46162	99.640	
	3	45787	45579	46030	45799	45343	45953	46003	45383	45837	45569	45455	46107	99.459	
	4	45974	45730	45868	45238	45870	45829	45988	45900	45810	45398	45714	45597	99.471	
	5	45992	45941	46187	45480	46086	45966	45472	45564	45689	45744	45729	45991	99.639	
	6	45513	45524	46047	46243	44746	45300	46339	46194	45647	46629	46006	45777	99.661	
	7	45682	45822	46058	45754	45896	45759	46511	45727	46095	45731	45566	45900	99.759	
	8	46224	45466	46058	44965	45877	45727	46040	45785	45876	45942	45925	45159	99.495	
	9	46617	46078	45425	45875	45624	45781	45809	45895	45906	45867	45567	46218	99.788	
	10	45957	45887	46095	46221	46154	45578	46277	45596	46390	46096	45868	46044	100.060	
	11	46219	45780	45530	45721	46166	45906	46089	45589	46358	46260	45730	45920	99.898	
	12	45708	45789	46772	46271	46246	45806	45687	45868	45725	45497	45734	46513	99.961	
	13	46211	45628	45781	45734	46170	45532	46208	46100	46287	45996	46339	46031	100.034	
	14	46411	45598	45814	45604	46047	45822	45798	45931	46276	45992	46252	45789	99.909	
	15	45930	46024	46046	45901	45961	45651	45947	45790	45759	46016	46172	45801	99.849	
	16	46232	45912	45754	45759	46097	45457	45663	45777	46261	46139	46170	45614	99.819	
	17	45889	45499	45890	46469	46210	45848	45747	45099	46213	45609	46342	45987	99.813	
	18	46281	46132	45580	45391	46017	45775	45990	45825	46047	46286	46061	45511	99.830	
	19	46116	45909	45633	45851	45787	46042	45645	46181	46239	45845	45781	45612	99.784	
	20	46178	45665	46284	45904	46099	45679	45520	46330	46050	45534	45696	46015	99.840	
	21	46199	45464	46223	45952	45823	45674	45566	45969	45971	45415	46656	45723	99.783	
	22	45856	46251	45634	45738	46183	45799	46025	46175	45471	46166	46054	45675	99.854	
	23	45648	45684	46298	45600	46305	45506	45946	46207	45890	45752	45455	45771	99.679	

		INAF/UNIRomaTre S.V.I.R.CO. Observatory - Pressure Corrected Data - April 2013											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
7	0	46073	45942	45996	45379	45624	45628	45848	46392	45590	45580	45939	46345	99.719
	1	45855	45999	45417	46236	45844	45601	45662	45627	45405	45791	46026	45375	99.457
	2	45589	45525	45765	45622	46004	45194	45524	45924	45775	45619	45776	45646	99.299
	3	46107	46089	46341	45897	46087	45672	45800	45236	45488	46038	45959	45986	99.795
	4	46580	46392	45471	45990	45794	45482	45823	45959	45554	45681	45448	46105	99.718
	5	45943	45507	45594	45560	45321	45765	45871	46213	45661	45988	46439	46595	99.750
	6	46301	46035	46425	46134	45464	46301	45990	45667	45993	45567	46316	45453	99.966
	7	46128	45604	45994	45998	45913	45431	45680	46001	45983	45718	46380	45808	99.783
	8	45252	46129	46190	45647	46129	45647	45953	46290	46099	45162	46187	45956	99.784
	9	45503	46211	45962	45773	45919	45636	46264	46304	46987	46006	45956	46264	100.173
	10	46421	45699	45760	45999	46494	46180	45498	46220	46157	46137	45961	46041	100.133
	11	46421	46156	46069	46373	46183	46358	46326	46333	46470	46268	46203	46073	100.616
	12	46930	46134	46457	46317	46052	46842	46157	46333	46457	46161	46467	46067	100.823
	13	45943	46520	46838	46400	46178	45274	46200	46110	46299	46210	46676	46703	100.637
	14	46410	45817	46011	46068	45871	45940	45952	45851	45444	46040	46241	46508	100.058
	15	46530	46381	46394	45889	46048	46083	45989	46305	46061	46122	45732	46533	100.405
	16	46163	46566	45565	46123	45860	46042	46022	46278	45658	45701	45988	46105	100.044
	17	45671	45564	45879	46276	45556	46092	46170	46324	45502	46282	46226	45833	99.917
	18	45996	46129	46383	46426	45691	45397	46319	46840	46496	45716	45599	45480	100.116
	19	45816	45775	45761	46317	46492	46160	45542	46598	46225	45868	45888	45756	100.066
	20	45873	46306	45419	46619	45677	45991	46515	45781	45795	45773	45789	45609	99.876
	21	45786	45721	46018	45802	45934	45999	45551	45546	45480	45426	46306	45886	99.569
	22	45934	45132	46159	45833	45276	45951	45954	45092	45838	46231	45599	45607	99.415
	23	45572	45885	45692	46448	45988	45801	45852	45992	46032	45856	45502	46826	99.930
8	0	46244	45966	45747	45814	45846	46123	45349	45520	45377	46323	45714	46203	99.707
	1	45516	45429	46059	46252	46232	46180	45215	45894	46213	45843	45565	46214	99.778
	2	45812	45623	45848	46294	46278	45805	46202	46001	45648	45453	45417	45742	99.690
	3	45569	45432	45977	45819	45286	45803	45940	46138	45792	45889	46337	45281	99.534
	4	45879	45785	45288	45717	46118	46055	46032	46169	45386	46482	45702	46354	99.843
	5	46106	45687	46354	45992	46164	45764	46069	45436	45954	45720	45932	45901	99.863
	6	45549	46278	45988	45678	46119	46075	45627	46204	45888	45774	45943	46526	99.966
	7	45675	45878	45340	45457	45573	46023	45630	45850	45348	45951	45956	45685	99.372
	8	45648	45863	46255	46447	45671	46352	46387	46035	46675	46054	46662	45587	100.327
	9	45830	45918	45816	46031	46396	46246	45849	46341	46066	45590	46204	46060	100.094
	10	46078	46089	46202	45899	45817	46029	45914	45517	46559	45791	45889	45904	99.974
	11	45978	46137	45753	45889	46581	46019	46492	46405	46260	45521	46297	46089	100.288
	12	45823	46300	46346	46544	46103	46222	46094	46333	46313	45710	46256	46318	100.459
	13	45941	45708	46339	46711	46270	46297	46869	46329	45768	45694	45660	46138	100.343
	14	45508	45996	45753	45067	46023	45776	46840	46415	46039	46002	45785	46084	99.901
	15	45390	45760	46085	45623	45948	46136	45721	45977	46053	45752	45773	45502	99.617
	16	45856	46056	45743	45687	46064	45851	46271	46502	46202	45062	46649	46135	100.044
	17	45920	46268	46016	45924	45487	45894	45575	45427	45824	46048	45443	45543	99.553
	18	46179	46601	45838	45834	45905	46324	45784	46111	46158	46085	46376	45789	100.209
	19	46006	46067	45765	46176	45860	45499	45591	45674	46326	46124	46724	46359	100.061
	20	46236	46271	45635	45514	46017	45990	46119	45780	45893	45765	46204	45990	99.924
	21	46422	46107	45600	45921	45846	45974	45600	45970	45604	46524	46287	46445	100.085
	22	46209	45344	45798	46152	46014	45702	45539	45786	45893	46122	45918	46439	99.834
	23	46221	46035	46090	45932	46000	46478	45790	45275	45744	45870	46087	45717	99.892

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIromaTre													
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	46301	45557	45495	45658	45567	45314	45791	45882	46212	45550	46634	45818	99.625	
	1	45646	45461	46750	45655	45905	45844	46302	46181	46226	45523	46496	45995	100.027	
	2	45826	45227	46036	45428	45463	46289	46129	45688	45749	45402	45671	46161	99.499	
	3	46304	45584	46289	44712	45830	45752	45870	45893	46091	46083	46467	45857	99.800	
	4	45998	45558	45600	45372	45194	45934	45948	45792	46053	45744	45316	45338	99.278	
	5	46167	45879	45751	46192	45542	45876	46116	45637	45374	45288	45493	45101	99.381	
	6	46010	45021	45600	46172	45798	46065	46305	45819	45627	45506	45915	45411	99.532	
	7	45759	45532	45753	45716	45826	45341	46056	45876	45269	45954	45189	46100	99.373	
	8	46084	45930	45795	46072	45611	45769	46359	46047	46453	45718	45788	45600	99.890	
	9	46437	45986	46174	45428	46523	45820	46481	46070	46032	45760	46277	45616	100.140	
	10	45743	46138	46296	46332	45415	46493	45709	46472	46135	46092	45858	46146	100.181	
	11	46375	45980	45660	46043	46178	45948	46088	46091	46432	46382	46729	46172	100.407	
	12	46259	45731	46152	45989	47194	45955	45813	46002	46386	46261	45842	46178	100.350	
	13	46147	46217	45990	46092	46074	46025	45825	45739	45791	46319	45926	46839	100.209	
	14	45783	45988	45757	45799	45495	45959	46061	46158	45723	46277	46171	45930	99.867	
	15	46147	46239	46426	46247	45329	46286	45094	46046	45772	45616	45711	46080	99.848	
	16	46027	46318	46313	45850	45985	45805	45973	46332	45708	46332	46169	46635	100.293	
	17	46022	45804	46088	46271	46471	45863	46067	46181	46109	47043	45899	45561	100.280	
	18	46172	45941	46041	46130	45777	46017	46019	46393	45331	46629	45565	46274	100.083	
	19	45964	45803	45856	45782	46082	46403	45813	46110	46386	46361	45479	45818	100.004	
	20	45742	45502	46832	45920	45723	46482	45761	46127	46506	46374	45525	45941	100.109	
	21	46192	46050	46096	45685	46162	45851	45562	46053	45787	46133	45653	45848	99.862	
	22	45782	45690	46673	46347	46282	45298	45756	46215	45258	45789	45499	46026	99.780	
	23	45679	45027	45532	46055	45695	45825	45989	45942	45797	45486	45843	45889	99.443	
10	0	45197	45928	45992	45915	45466	45575	45309	46050	45913	45380	46037	46298	99.490	
	1	45446	45028	45932	45624	45213	45111	45874	46244	45942	45224	45265	45578	99.030	
	2	46041	45687	45916	45786	45610	46091	45086	45129	45142	45989	45611	45723	99.271	
	3	45921	46100	45252	45738	45285	45594	45199	45500	45683	45833	45900	46223	99.347	
	4	45511	45629	45576	45482	45682	45488	45924	45884	45410	45662	45513	45455	99.164	
	5	46184	45802	45298	45213	45554	46072	46208	45365	45711	45345	45805	46131	99.430	
	6	45635	45452	45377	45255	45644	44964	45679	45332	45194	45576	46157	46400	99.063	
	7	45402	45287	45394	45409	45299	45591	45575	46033	45395	46081	45808	45889	99.153	
	8	45967	46117	45199	45672	45894	45385	45346	45901	45822	45728	45916	45585	99.401	
	9	45564	45480	45671	45431	45189	45626	46193	46082	45949	46162	45480	45045	99.282	
	10	45494	45569	45838	46204	46430	45763	45974	46122	46201	45692	46024	46023	99.910	
	11	45490	46118	46443	45818	45897	45617	45817	45825	45684	46273	46017	45722	99.798	
	12	45988	45859	45826	46414	46061	46029	46013	45527	45818	46005	46581	46171	100.083	
	13	45552	46242	45704	46157	45930	45606	45439	46067	45570	45779	46684	45722	99.750	
	14	46385	45944	45173	46124	46035	46186	46587	45829	46222	46511	46319	45897	100.250	
	15	45721	46359	45641	45629	46274	45826	46100	46005	46333	45924	46424	46073	100.086	
	16	46182	45687	46398	46240	45504	45684	46295	45825	45591	46299	45840	45994	99.947	
	17	45820	45477	45839	45811	46038	45681	46459	46503	46040	45282	46195	46548	99.974	
	18	46499	45391	45828	44987	46125	46400	45952	45926	44845	45380	46054	46058	99.567	
	19	45828	46272	45866	45615	46067	45422	45040	45703	45390	45123	45445	46343	99.326	
	20	45542	45300	45876	45974	45893	45722	45234	45316	45574	45217	45979	46039	99.245	
	21	45920	45721	45386	45972	46340	45702	45692	46026	45556	45749	45194	45606	99.462	
	22	45258	45794	45509	45664	45862	46039	45839	45593	45360	45590	45755	45628	99.286	
	23	45836	45266	45681	45718	45844	45482	45133	45976	45815	46009	45874	45771	99.379	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIRomaTre													
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	45775	46012	45543	45780	45061	45829	45518	45401	45935	45718	45768	44945	99.176	
	1	45814	45489	45850	45442	44756	45120	45789	45169	45881	45111	46330	45815	99.045	
	2	45661	45909	45628	45755	45846	45130	45609	45256	45165	45461	45525	45991	99.113	
	3	45271	46074	45770	45734	45704	45653	45566	46017	47047	45486	45318	46419	99.679	
	4	45776	43884	45666	45551	45641	45561	45474	45519	45335	45600	45205	45707	98.747	
	5	45823	46151	45824	45082	45423	45775	45322	45426	46586	45729	45429	45629	99.341	
	6	45364	45396	45352	45597	45480	46010	45607	45571	45343	45625	45922	45520	99.086	
	7	45745	45920	45148	45976	45663	45189	45700	44940	45637	45965	46079	45763	99.255	
	8	45098	45604	45655	45823	45875	46532	45832	45928	45758	45264	45537	45276	99.338	
	9	45609	45335	46106	45418	45310	45725	45335	45928	45614	45690	45439	45219	99.075	
	10	45365	45297	46185	45242	46399	45276	45565	46201	45602	45499	45898	45679	99.343	
	11	46010	45974	45892	45830	45786	45823	45880	45966	45958	45109	45950	45708	99.647	
	12	45410	45547	45144	46240	46188	46406	45503	45885	45942	45606	45927	46292	99.684	
	13	45899	46062	45591	46762	46025	46025	46084	45688	46090	45383	46198	46247	100.040	
	14	45804	45695	45533	46090	45717	46057	46551	45730	45552	45830	45630	45762	99.659	
	15	45583	45988	45232	45811	45729	45984	45588	45492	45613	45479	45864	45939	99.360	
	16	45395	45311	46238	46165	45886	45569	46098	45711	45564	45832	45176	45985	99.474	
	17	45690	45489	45774	45053	45502	45423	46506	45536	45689	45209	46208	45875	99.297	
	18	46248	46059	45754	44721	45109	45909	45982	45113	45513	45171	45435	45023	98.949	
	19	45775	45772	45419	45572	45088	45681	45243	45322	45447	45167	45466	45761	98.892	
	20	45446	46245	45572	45764	44902	44685	46035	46236	46116	45450	44876	45959	99.176	
	21	45183	45492	45363	45567	45896	45816	46243	44784	44900	45182	45171	45271	98.738	
	22	44932	44432	45193	45046	45390	45099	45048	45100	45338	46460	45027	45880	98.390	
	23	45896	45649	44926	45584	45568	45640	45809	45286	46095	45965	45568	46087	99.319	
12	0	46197	46125	45213	45534	45248	45423	45663	44832	45680	46084	45131	45568	99.068	
	1	45714	45534	45715	45680	45187	45776	45061	45213	45931	45617	46202	45607	99.167	
	2	45841	45442	45880	45469	45958	45602	45085	45496	45915	45380	45680	45415	99.154	
	3	45638	45619	45367	45392	45501	44858	46399	45109	45166	45514	45256	45530	98.825	
	4	45593	45784	45813	45614	45892	45733	45694	46015	45861	44855	45556	44824	99.167	
	5	45242	45285	45702	45642	45477	45628	45394	45551	45862	45893	45276	45694	99.060	
	6	45865	45663	44856	45272	45739	45958	45830	45749	45484	45652	46033	46081	99.339	
	7	45514	45944	45651	45111	45795	45199	45567	45543	45744	45949	45170	45480	99.064	
	8	45794	45618	45474	45960	45141	45964	45665	45285	45880	45408	45643	45852	99.248	
	9	45654	45122	45424	45517	45687	45672	45448	45894	45539	46062	45403	45640	99.135	
	10	46157	45449	46031	45810	45890	45552	45597	45966	45763	46080	45587	45499	99.556	
	11	45641	46079	45867	45740	46477	46022	45857	45766	45337	45643	46083	45726	99.711	
	12	45857	45496	46232	45723	45675	45457	45474	45693	46008	46000	45545	45652	99.453	
	13	45906	45692	45970	46145	45372	45741	46198	45860	45243	45395	45953	46019	99.576	
	14	45491	45908	45447	46240	46211	45758	45672	45488	45664	46444	45834	45084	99.531	
	15	46089	45902	45443	44990	44898	46045	45902	45933	45915	45749	46024	46103	99.485	
	16	45941	45921	46082	46334	44823	45752	46108	45787	45168	45932	45019	45522	99.376	
	17	45857	45534	45807	45658	45932	46414	45696	46042	45491	45786	45733	45420	99.554	
	18	44965	45584	45500	46186	45525	46020	45823	45399	45645	45807	45499	45824	99.265	
	19	45553	45903	45616	46107	45368	45370	45415	45737	44979	45604	45328	45517	99.033	
	20	45429	45521	45547	45739	45704	45954	44980	46199	45532	45723	45588	46141	99.316	
	21	45703	45197	45471	45891	45218	45613	45578	45751	45074	45571	46445	45747	99.171	
	22	45562	46180	45721	46315	45927	46086	45957	45627	45317	46147	45844	46019	99.795	
	23	46298	46023	45618	45597	44828	45342	45316	45957	45183	45578	45982	45934	99.243	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	45285	44920	45346	45460	44878	45914	45523	45798	45997	45719	45370	45910	98.969
	1	46008	45686	45613	45240	45190	45888	45585	45137	45918	45395	45900	45946	99.216
	2	45388	45903	45542	45526	45688	45977	45417	45561	46297	45861	45440	45300	99.287
	3	45388	45832	46213	45211	45864	45640	45842	45705	45492	45744	46225	45268	99.382
	4	45628	46322	46475	45752	45745	45149	45987	45457	46318	45617	45654	45389	99.576
	5	45188	46210	45623	45567	45371	45179	45788	45837	46133	44898	45779	45438	99.126
	6	45316	45881	45893	45123	45346	45084	45849	45869	45651	45449	45500	45891	99.098
	7	45853	44949	45424	45559	45792	45745	45040	45573	45530	46099	46023	45238	99.092
	8	45093	45451	45036	45592	45609	45553	45490	45851	45875	46242	46015	45859	99.244
	9	46176	46350	45551	44935	45595	45735	45936	45720	45542	45493	45915	46105	99.496
	10	45885	45804	45396	46450	45753	45167	46057	46233	45624	46029	45695	44657	99.441
	11	45853	45857	45871	45167	46340	45555	45816	45915	45837	45904	45907	45892	99.652
	12	45718	45861	45626	46497	46104	45703	45611	45868	45668	45721	45819	45809	99.668
	13	45744	46179	45996	46275	45463	46618	45681	45579	45405	45994	45525	46045	99.759
	14	45340	45955	45485	45998	45465	45695	45762	45679	45698	45681	45946	46283	99.484
	15	45261	46550	45229	45245	45871	45809	45848	45850	45503	45775	45905	45195	99.313
	16	45191	46151	45112	45176	45788	45909	45882	45559	45930	45776	45780	45867	99.327
	17	45630	46048	45569	45978	45969	45918	45398	45837	45638	45674	45690	46227	99.591
	18	46199	45757	46377	45810	44973	45650	45660	45473	46641	46317	46312	46576	99.984
	19	45985	46217	45525	45492	46310	45141	45290	45637	45730	45911	45533	46718	99.576
	20	45577	45434	45818	45744	45020	45997	45666	45272	46355	45733	45378	45973	99.300
	21	45478	46048	45943	45684	45773	44753	45471	45509	45719	45869	45410	46340	99.305
	22	45906	45331	45717	45514	46033	45529	46389	45268	45514	45759	45362	45078	99.197
	23	45826	44684	45788	45676	45174	45971	45415	45190	45882	44962	45318	45320	98.799
14	0	45429	44708	45457	45359	45579	45522	45995	45033	45483	45396	44960	45434	98.643
	1	44805	45373	45366	45215	44824	45214	45492	44731	45342	45101	44899	45377	98.171
	2	45093	45012	45307	45959	45619	45277	45046	44940	44910	45549	45404	44919	98.406
	3	45294	45434	45313	45025	45394	45061	44440	45919	45700	45123	44629	44730	98.230
	4	44995	45115	44928	44798	44953	45067	44880	45243	45549	45534	44960	45834	98.191
	5	45015	45130	45457	45567	45564	45731	45809	44766	45237	45184	44752	45720	98.568
	6	45525	46028	45506	45391	45129	45367	45715	45621	45592	46033	46213	45833	99.297
	7	45446	46012	45370	46225	45684	45408	45429	45498	45204	46114	45399	46098	99.285
	8	45619	46431	45649	45419	45528	45915	45200	45603	45419	45502	45452	45379	99.145
	9	45872	44699	45206	45484	45609	45502	45245	44953	45550	46289	45287	45185	98.740
	10	45228	45361	46143	45645	45625	45212	45602	45081	44750	45490	44917	45386	98.660
	11	45672	45023	45222	44668	44815	44914	45299	45295	44543	44326	44484	44786	97.683
	12	44439	45087	44847	44347	44978	45030	45135	45034	44945	45212	44614	44793	97.577
	13	44976	44697	45179	44642	44887	44810	44883	44693	45166	44186	44101	44085	97.186
	14	44419	44354	44621	44389	44239	44001	44794	44129	45184	44308	44537	44335	96.643
	15	44763	44769	44602	44799	44200	44007	44335	44621	44670	44820	44400	44682	96.889
	16	44842	43635	44569	44586	44227	44595	44423	44314	44020	44205	44907	44032	96.470
	17	44471	44187	45189	44637	44610	44102	44123	44423	44995	44394	44205	44267	96.696
	18	44366	44411	44264	44324	44543	44581	44038	44178	43973	44697	43966	44585	96.393
	19	44092	44035	44261	44624	44357	44538	43764	44270	44951	44434	44164	44122	96.336
	20	44216	44295	44170	43490	44540	44378	44234	43406	44066	44073	44369	44365	95.971
	21	43900	43403	44316	43919	44003	43344	43723	44615	43974	44158	44112	43578	95.508
	22	44092	43101	44675	44351	43779	44285	44735	43738	44022	44574	44202	44327	96.022
	23	44291	44343	44076	44145	43956	44025	44712	43821	44142	44187	43963	44337	96.043

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	44224	43775	44287	44166	44932	44685	44080	44532	44307	43693	44525	45028	96.444
	1	44175	44518	44015	43987	44312	44515	44213	44438	44621	44619	44009	44692	96.427
	2	43981	44627	44221	44127	43871	45291	44470	44385	44553	44253	44629	44936	96.650
	3	44131	45046	44211	44953	44556	44219	44230	44414	44202	44167	45005	44680	96.735
	4	44117	44607	44802	44621	44838	44335	44305	44681	44393	44519	44107	44327	96.706
	5	43936	44167	45042	44736	44541	44005	44514	43846	44907	44365	44044	44287	96.476
	6	44515	44824	44297	44530	44073	43900	44502	43967	44189	43916	44185	44207	96.243
	7	43929	44490	44174	44483	44141	43739	44622	43683	44231	43839	43828	43960	95.884
	8	43988	44255	44264	44106	44942	44034	44484	43763	44467	44792	44072	44480	96.342
	9	44262	45009	44031	44915	44943	43810	44536	44397	44556	44307	44288	44333	96.657
	10	44272	44022	44682	44494	44438	44583	44682	44521	44578	44678	43993	43991	96.575
	11	44845	44743	44733	44356	44826	44505	44738	44578	44700	44370	44335	44172	96.932
	12	44287	44615	44180	44369	45303	44569	44321	44778	44008	44933	44711	44290	96.834
	13	44173	44088	44285	44324	44276	44922	44022	44854	45090	44520	44661	44223	96.667
	14	44800	44494	44623	44986	44164	44983	44141	44393	44814	44495	44066	44517	96.855
	15	44227	43683	44655	44862	44160	43838	44382	44581	44710	44160	44898	44688	96.559
	16	44150	44605	44137	44360	45076	44277	44216	44640	44634	44322	44117	44567	96.606
	17	44784	44729	45000	44432	44141	44408	44457	44390	44891	45028	44194	44748	96.986
	18	44817	44901	44633	44304	45163	44885	44928	44541	44714	45218	44663	44830	97.420
	19	44605	45042	44553	44593	44833	45379	44878	45774	44710	44519	44801	44589	97.543
	20	44709	45084	44558	44341	44356	44654	45595	44099	44825	44236	44606	44489	97.049
	21	44677	44753	45099	44792	44750	44988	44488	44817	44378	45349	44941	44621	97.430
	22	44743	44393	44708	44415	44524	44871	45270	45098	44782	45261	44950	45155	97.524
	23	44205	44714	44447	45276	45037	44556	44168	44816	44800	45451	45012	45238	97.443
16	0	45240	45484	45027	44795	44995	45756	45455	44653	44747	45138	45233	45179	98.158
	1	45269	44868	44548	44870	44687	44368	44729	45500	44345	44954	44888	45034	97.504
	2	45259	44616	45069	44947	45285	44924	45028	45287	44380	45583	44890	44875	97.882
	3	45341	45100	44935	44942	45119	44788	45050	44714	44526	44595	44679	44931	97.623
	4	45081	45261	45310	45271	45401	44730	44744	44935	44809	45337	44519	45053	97.938
	5	44802	45201	45473	44929	45229	45109	45487	45197	44794	45431	44727	45298	98.160
	6	44779	45415	45275	44935	44650	44435	44973	45829	44980	44589	45152	45283	97.909
	7	45586	44716	45281	45109	45124	45098	44990	44937	45088	45047	44751	44756	97.943
	8	45061	44816	45276	44926	44905	45343	44640	44925	45046	45032	45055	45096	97.878
	9	45145	45278	44902	44442	44816	45286	44634	45202	45513	44662	44982	45382	97.900
	10	45243	44100	44173	44535	45179	45441	45543	44942	45310	44563	45581	45265	97.834
	11	44345	44782	44923	45464	45070	44845	45473	45191	45174	45139	45495	44255	97.884
	12	45357	45920	44874	44938	44934	45050	44367	44863	44804	44653	44731	45377	97.832
	13	44972	44608	45024	45670	45503	44455	45478	44703	44636	44927	45241	45280	97.946
	14	44917	44618	45261	44350	45295	45484	44908	44673	44621	44568	45182	45340	97.714
	15	44686	44784	45397	44559	45018	44254	44954	45132	44783	45193	45170	44987	97.659
	16	45158	44964	45228	45442	45462	45269	44842	45073	44884	44813	45046	45059	98.081
	17	45281	45129	44999	44678	44672	45105	44873	44884	45148	45234	44820	44751	97.779
	18	45475	44896	44998	45255	45352	44323	44866	45140	44539	45364	44210	45279	97.801
	19	44413	45225	45008	45215	45198	44525	44972	44729	45210	44737	44604	45539	97.742
	20	45784	45374	44961	45325	45383	45258	44569	44836	44466	44955	45318	45192	98.114
	21	44722	45530	45275	45025	45064	45084	44761	44712	44894	45134	44968	45256	97.933
	22	44706	45303	45106	44814	45585	45278	45150	45150	45069	45041	45001	44734	98.025
	23	44768	44588	45693	45443	45208	44805	45080	44613	45305	45160	45231	45268	98.066

		S.V.I.R.CO. Observatory - Pressure Corrected Data - April 2013											20 NM-64	
		INAF/UNIromaTre												
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	45767	45221	45203	45083	44429	45603	45430	45058	45035	45127	45381	44922	98.260
	1	45111	45063	46006	45277	45110	45328	44967	46374	45867	44388	45835	45053	98.649
	2	45552	44674	45236	45122	44989	45326	45223	44928	45283	45030	45019	45107	98.126
	3	45656	45475	45073	45180	45537	45289	45331	45442	45085	45344	45577	45004	98.579
	4	45171	45442	45346	45304	44991	45365	45432	45132	45279	45120	45317	45324	98.440
	5	44939	45198	45200	45679	44839	45241	44581	45022	45294	45071	44844	44687	97.964
	6	44844	44572	44723	45353	45140	45060	44065	45174	45314	45143	45005	45040	97.753
	7	44661	44587	45114	45044	45390	45733	44746	45209	45089	45108	45389	44921	98.035
	8	44905	44717	45264	45712	44991	44575	44859	45677	45122	45255	45333	45412	98.186
	9	45019	45139	45658	45426	45493	44943	45036	45327	46165	44877	45493	45165	98.533
	10	44906	44458	45146	45228	45184	45047	44724	44819	44727	44721	45416	45149	97.770
	11	45578	44648	44998	45130	45489	45103	44569	45292	45973	44720	45033	45456	98.216
	12	45059	45807	45180	44814	45349	44690	45153	45371	45518	45087	44859	44823	98.166
	13	44911	45412	45044	45377	45397	44987	44950	45413	45843	45380	45542	45424	98.523
	14	45568	44924	45364	44720	45339	45165	45003	45487	45362	44936	45476	45621	98.393
	15	44795	45525	45407	45212	45338	45027	45654	45137	45209	45510	45042	45593	98.480
	16	45253	45252	44908	44949	44529	45164	45124	45577	44804	45645	45070	45268	98.135
	17	44059	45092	45017	44931	45501	45790	45259	45134	44157	44816	44729	45042	97.770
	18	45181	44299	45118	44563	44936	44865	44956	44592	44941	44801	44536	45061	97.466
	19	45347	45421	44815	45834	45284	44557	44724	45219	45011	45560	44602	45083	98.120
	20	44675	45366	45269	44429	44781	45173	45330	45103	44775	45410	44707	44641	97.794
	21	45159	44811	45215	44916	44947	44564	44831	44233	45191	45417	45009	44619	97.659
	22	45150	44979	44975	44941	45265	44800	45396	45049	44607	45077	44923	45486	97.973
	23	45649	45219	45053	44514	44892	44936	45476	45288	45474	44803	45333	44993	98.151
18	0	45721	44571	45329	45204	45051	44562	45196	45580	44717	44880	45020	45253	98.050
	1	45450	45309	45221	44960	45180	45477	45579	45402	44410	45142	45214	44876	98.258
	2	45162	44979	45155	45507	45126	45329	45869	44545	45075	45326	45200	45624	98.381
	3	44848	45176	45159	45106	45146	44968	44831	45200	44909	45597	45214	44489	97.972
	4	45083	44896	44862	45002	45336	45825	45183	44805	45177	45026	45361	45303	98.193
	5	44714	45090	44657	45277	44991	45368	44619	45309	45650	44718	44822	45149	97.922
	6	45349	45433	44760	45505	46008	45016	44636	45418	45502	44586	45246	45450	98.383
	7	44795	45600	45048	44985	44842	45298	44729	44703	45006	44788	45006	45574	97.923
	8	45448	45677	45132	45445	45041	45343	45515	44282	45598	45472	44738	45527	98.439
	9	45158	45396	45256	45095	45135	45738	45144	45919	44894	45507	44813	45511	98.502
	10	45137	45299	45052	44772	45324	45911	44904	45604	45052	44937	45477	44863	98.279
	11	45030	45017	45204	45056	44886	45453	44895	45117	45690	45329	45260	45573	98.311
	12	45488	45358	45474	45133	44839	45125	45607	45622	45264	45108	45505	45119	98.516
	13	44973	44939	44668	45414	45150	44818	45233	45819	45498	45021	45557	45016	98.238
	14	45722	45322	45115	44837	45435	44699	45613	45502	45439	45134	45620	45330	98.539
	15	45092	44754	44734	45258	45571	45339	45380	45828	45475	44707	45305	44835	98.268
	16	45441	45056	44964	44626	44899	45370	45363	45347	45179	45153	44900	44882	98.069
	17	45671	44841	45446	44989	44945	45243	44881	45651	45363	44758	45109	45368	98.266
	18	44717	45769	45169	44507	45095	45422	44980	45656	45380	45450	45291	44775	98.256
	19	45038	44705	45497	45735	44950	45117	45255	44574	44297	45818	45211	45717	98.202
	20	45646	44753	44585	45616	44644	44803	45056	44905	44630	44997	45142	44942	97.805
	21	45022	45249	44837	45130	44883	44848	45104	44487	45356	45013	45690	45191	98.002
	22	45639	45156	44913	45721	45752	45952	45043	45262	45224	45089	45601	45232	98.687
	23	45320	45467	46108	45727	44991	45712	44750	45306	45630	45111	45150	45863	98.786

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	44679	44770	45797	44746	45360	44598	45170	45560	45477	44996	44706	45071	98.018
	1	45414	45140	45485	45229	44836	44946	45089	46146	45203	45147	45484	45128	98.445
	2	45012	44613	44794	44850	45358	44730	45623	45272	44900	44532	46162	44405	97.901
	3	45068	45572	45455	44613	45053	44530	45393	45316	44649	45025	45583	45315	98.140
	4	45150	45394	44579	45326	45530	45138	45766	45201	45283	44591	44851	45099	98.202
	5	44949	44708	45186	45042	44362	45985	44642	44745	45230	45149	45143	45459	97.964
	6	45118	44794	44661	44971	45449	44625	45249	45051	45493	45248	45319	45547	98.132
	7	45205	45346	45155	45120	45108	44589	45602	45259	45240	45581	45062	45185	98.300
	8	45150	45164	45602	45082	45381	45480	45488	45599	45115	45628	46102	45468	98.809
	9	45336	45337	45818	44429	45336	45417	45754	45917	45565	45328	45113	44891	98.624
	10	45613	45282	44717	44911	45331	45204	45580	45996	45844	45072	44897	45249	98.526
	11	45690	45034	45336	44623	45078	45822	44752	45278	45766	45299	45664	45354	98.525
	12	45322	45356	46191	45639	45204	45765	45774	45130	45813	45545	44821	45309	98.919
	13	45353	45031	44706	45160	45219	44939	45485	45185	45231	45926	45587	45329	98.427
	14	45890	45256	45201	45571	45196	45103	45553	45541	45244	45434	45441	45014	98.661
	15	45350	45312	45285	44502	45240	45154	45004	45142	44697	45459	44596	45258	98.037
	16	45365	45591	44899	45714	45678	45444	45234	45443	45612	45294	45342	45201	98.728
	17	45210	45081	46201	45176	45013	45622	45143	45009	45120	45328	45431	44947	98.450
	18	45571	45640	45499	45342	45794	44676	45262	45588	45472	45167	44828	45103	98.571
	19	44743	45119	45128	45296	44847	45489	45276	45110	45275	45020	45152	45420	98.195
	20	45073	45737	45728	44813	44857	44969	45538	44659	45614	45518	45427	45886	98.548
	21	45510	45403	45070	45293	45410	45412	45155	44585	45281	44795	45230	45020	98.248
	22	44780	45472	45230	45354	44851	45194	44766	45575	44664	45736	45478	46277	98.467
	23	45735	45056	45824	45149	45287	45238	45704	45327	45156	45428	45355	45154	98.656
20	0	45242	45370	45309	45378	45240	44966	45243	44967	45280	44669	45098	45324	98.231
	1	45268	45715	45142	45570	44668	44879	45143	45270	45016	45589	45404	45271	98.388
	2	45252	45042	45329	44640	44768	45026	44976	45120	45235	44868	45636	45402	98.090
	3	44736	45109	45102	45296	44977	45100	44674	44920	44729	45612	44963	45513	97.988
	4	45329	44768	45238	45246	45309	45183	44331	45419	45625	45038	45347	45313	98.245
	5	46005	45705	45393	46136	45743	45539	45159	45638	45311	45383	45710	45295	99.128
	6	44932	44874	45440	45614	45213	45674	45125	45417	45438	44138	44982	44988	98.188
	7	44628	45116	45437	44966	46237	44989	45519	44567	45512	45564	45966	45495	98.579
	8	45415	45068	45712	45217	45478	45338	45323	45337	45092	45571	45059	44941	98.499
	9	45525	45609	45511	45617	45130	45306	45466	45608	45504	44998	45580	45706	98.863
	10	45529	45383	45631	45221	44841	45147	45429	45943	45093	45677	45507	45149	98.680
	11	44856	45917	46050	45708	45194	46189	45221	46133	46014	45776	45138	45500	99.250
	12	45180	45292	45610	45512	44892	45426	45574	45529	45579	45211	45104	45857	98.719
	13	45106	45596	45139	45809	46075	45434	45226	45326	45775	45429	46197	44977	98.959
	14	45982	46088	45484	45490	45600	45506	45512	45596	46092	45353	45620	45560	99.284
	15	44957	45695	45387	45199	45102	45306	45338	45953	45891	45506	45836	46247	99.019
	16	45752	45280	46010	45418	45946	45567	45559	45612	45459	45787	45619	45661	99.246
	17	45794	45748	45069	45028	45326	45226	45176	45474	44944	45987	45167	45687	98.694
	18	45295	45651	45179	46379	45574	45405	44730	45064	45449	45328	44871	45447	98.648
	19	44823	45406	45220	45905	45572	45551	45310	45553	45579	45407	45253	45920	98.852
	20	45553	45823	45630	45972	45350	45288	45583	45932	45214	45585	44973	45892	99.087
	21	45637	45377	45087	45900	45375	45493	45447	45511	45037	45918	45676	46175	99.058
	22	45379	45353	45760	45550	45793	45948	45691	45342	44776	45562	45609	45754	99.036
	23	45239	45714	45567	45047	45611	46371	45006	45377	45005	45185	45056	45492	98.702

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIRomaTre													
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	45462	45238	44959	45539	45033	46353	45337	45496	45556	45665	45353	45147	98.783	
	1	45591	45491	45295	45949	45397	45307	45103	45837	45286	45177	45587	45842	98.918	
	2	45218	45803	45116	45467	45273	45738	45508	45751	45186	45126	44908	46110	98.799	
	3	45571	45069	45731	45565	45540	45303	45912	46055	45903	44951	45691	45157	99.024	
	4	45368	46273	45156	45261	45213	45694	45774	45676	45634	45166	45894	45712	99.092	
	5	45401	45408	45744	45337	45519	45720	45463	45950	45670	45344	45465	44941	98.936	
	6	45076	45947	45855	45307	45191	45448	45778	45485	45066	45495	45408	45369	98.839	
	7	45233	46264	46259	45586	45958	45664	45467	45712	45086	44966	45767	45479	99.204	
	8	45056	45087	46468	45290	45310	45809	45256	45511	46388	45696	45558	45688	99.145	
	9	45356	46148	46336	45581	45868	45457	45224	45518	45580	45593	45480	46055	99.341	
	10	45698	45589	45704	45997	45461	46021	45831	45277	45271	45510	45588	45785	99.257	
	11	45586	45929	45214	45654	46050	45456	45978	45175	45734	45618	45799	45632	99.274	
	12	45721	45829	45629	45831	46023	45771	45569	46331	45703	45464	46663	46055	99.775	
	13	45457	45117	45990	45703	45390	45783	45645	46607	45668	46828	45637	45683	99.579	
	14	45234	45920	45693	45848	45546	45327	46135	45594	46347	46018	45907	45985	99.587	
	15	45991	45430	45979	45634	45334	44949	45730	45334	46088	45775	46411	45726	99.374	
	16	46344	46030	46073	45039	45809	45895	45411	45486	45635	45653	45559	44789	99.255	
	17	44805	45859	45400	45473	45333	45282	46047	45721	45678	45659	45539	44891	98.886	
	18	46206	45942	45359	45631	45589	45303	45581	45288	45308	45606	45484	45637	99.113	
	19	45140	45879	45166	45425	45605	45042	45312	45180	45153	44773	45527	45830	98.586	
	20	45884	44748	45258	45247	45297	45330	45804	45939	45958	44474	45652	44958	98.680	
	21	45594	45133	45645	45181	45322	45334	44823	45306	45435	45499	45203	45551	98.585	
	22	45528	45604	45258	45233	45460	45482	45471	45479	45015	45391	45288	45157	98.647	
	23	45687	45056	45712	45567	45401	45070	45189	45526	45324	45705	45745	45271	98.808	
22	0	45657	45280	44902	45611	45201	45394	45650	45248	45460	45393	45273	45653	98.701	
	1	46095	45585	45164	46101	45484	45300	45497	45123	45661	45768	45448	45775	99.124	
	2	45332	45972	45727	45711	45232	44972	45424	45422	45344	45023	45870	44974	98.762	
	3	45363	45306	45477	45005	45818	46050	45563	45807	45471	45434	45764	45910	99.118	
	4	45758	45742	45568	45598	45632	45697	45262	45192	46024	45066	45370	45282	98.978	
	5	45934	45138	45463	45729	45714	45677	45496	44958	45020	46143	45825	44922	98.946	
	6	45746	45341	45053	45470	45658	45488	46038	45210	45758	45529	45005	45410	98.890	
	7	45863	45799	45292	44722	46085	45880	46168	45866	45765	45506	46203	45537	99.430	
	8	45499	45373	45535	46067	45787	45757	45936	45693	45135	45571	46096	45057	99.216	
	9	44959	45677	45780	45699	45394	45423	45448	46083	45300	45684	45475	45694	99.055	
	10	45693	45456	45829	45744	45271	45486	45879	46083	46304	45570	45462	45625	99.378	
	11	45664	45339	45776	45497	44991	45673	45443	45489	45570	45959	45317	45085	98.907	
	12	45435	45804	45701	45436	45281	45270	45413	45345	44821	45525	45857	45695	98.867	
	13	45406	45672	45608	45116	46495	46185	45179	45960	44823	45539	45466	45929	99.193	
	14	45774	46213	45454	45587	45498	45929	45860	46000	45319	45841	45679	45747	99.469	
	15	45640	46158	45559	45356	45741	45855	45974	45452	44783	45371	45825	45400	99.145	
	16	45579	45264	45157	45347	45316	45677	45402	45369	44641	45204	45462	45570	98.578	
	17	45421	45135	45477	45278	45627	45591	45343	45233	45448	45809	45580	45176	98.783	
	18	45502	45271	45088	45283	45727	45104	45273	45535	45208	45970	45147	44992	98.599	
	19	45697	45641	45459	45432	45874	45786	45866	45074	45192	45493	45175	44862	98.863	
	20	44968	45415	44984	45442	45466	45746	45015	44694	45269	45121	45244	45067	98.296	
	21	44884	44887	45104	45234	45058	45460	45145	45347	44906	45199	44804	44827	98.011	
	22	45441	45243	44924	45548	44997	45455	45663	45295	45650	45467	45669	46082	98.840	
	23	45315	45333	45051	45691	45155	45459	45582	45327	44985	45648	45541	45238	98.639	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	45806	45725	44703	45088	45523	45999	45873	45044	45233	45678	45659	45544	98.918
	1	44751	45478	45418	45351	45328	44939	45075	45641	45082	44391	44824	45432	98.166
	2	44703	45898	45032	45141	45369	44925	45396	45160	45231	45541	45400	45644	98.479
	3	44960	45005	45197	45622	45001	45396	44509	45169	45326	45392	45120	44928	98.150
	4	45843	45083	45794	44999	45283	45788	44775	45445	45214	45501	44665	45402	98.543
	5	44983	45037	44878	45110	45266	45356	45054	45414	45569	45378	45497	45449	98.397
	6	44998	44903	45526	45330	45558	45399	44966	44783	45061	45259	45071	45783	98.334
	7	45131	45386	45371	44990	45771	44869	45175	45866	45484	45131	45284	46126	98.686
	8	45288	45012	44717	45797	45496	44906	44833	45589	45877	45551	44960	45465	98.488
	9	45804	44344	45566	45131	45894	45415	45800	44859	45306	45255	45002	44998	98.467
	10	45121	45206	45420	45150	44806	45801	45585	45833	45126	44988	45351	45572	98.573
	11	45224	45609	45290	45346	45168	44523	44654	45388	45001	44900	44891	45652	98.154
	12	45049	44762	44926	45822	45450	45164	45608	45796	45475	46041	45718	45356	98.792
	13	44834	44823	45314	45101	45203	44908	45326	45190	45448	45249	45470	44875	98.170
	14	46030	45215	45642	45185	45911	45197	45666	44512	45429	45292	45063	44625	98.539
	15	45607	45112	45366	46047	45136	45600	45471	46083	45546	44820	45302	45754	98.915
	16	45346	45300	45573	45813	46129	45561	46037	45746	45030	44200	45414	45800	98.934
	17	45930	45024	45390	45759	45441	45034	45311	45093	45460	46101	44870	45421	98.732
	18	45467	44729	44892	45321	45151	45416	44896	45239	44448	45218	45062	44920	97.994
	19	45192	45220	44673	45659	45435	45017	45475	45555	44947	45097	44942	44997	98.256
	20	44892	45058	44881	45174	44405	44926	45042	45179	45325	44503	45170	45357	97.840
	21	45264	45154	45300	45412	44861	45457	45154	44902	44845	44856	45831	45361	98.290
	22	45053	44928	45062	45455	44549	45407	45272	45193	46121	44860	45206	45475	98.323
	23	45092	45697	45535	45031	45264	45539	44941	44878	45089	45694	45670	44706	98.424
24	0	44726	44745	45418	45572	45594	45086	45501	44739	45682	45340	45542	44808	98.353
	1	45410	45361	44821	44805	45067	44870	44985	45370	44997	45449	45332	45782	98.263
	2	45108	45032	45136	45015	44753	45001	45021	45138	44945	44487	45184	44645	97.759
	3	45064	44105	45391	45080	45275	44830	45429	45497	44658	44496	44692	44594	97.694
	4	44509	44758	44209	45673	44501	45590	44428	44420	45177	45307	45091	45182	97.646
	5	44709	45353	45364	45024	44983	45129	44603	44954	45605	44682	44531	44977	97.840
	6	45367	44948	44665	45327	44822	44517	44975	44722	44189	44676	44596	45369	97.525
	7	44678	45384	45208	45471	44999	45420	45313	44900	45469	45456	44678	44800	98.178
	8	44655	45259	45079	45390	44613	45128	45568	44598	45174	44795	45252	45230	97.990
	9	44772	45078	44965	45133	45596	45439	44919	44927	44788	45206	45087	44791	97.982
	10	45028	44933	44994	45132	45815	45106	45836	45417	45499	45800	44973	45098	98.514
	11	45314	45493	45400	45697	45444	45127	44861	45444	45388	45418	45482	45400	98.665
	12	45352	45379	45290	45382	45538	45495	45351	44671	45338	45262	45926	45840	98.730
	13	45405	45587	45671	45752	45370	46321	45698	46399	45370	46220	45604	45040	99.385
	14	45508	46746	46164	45513	45222	45794	46023	45677	46237	45612	46190	45877	99.770
	15	46092	45874	45566	45599	46004	45282	45242	45290	45507	45256	45050	45980	99.077
	16	45173	45500	45389	45828	45636	45236	46036	45642	45200	45186	45426	45423	98.884
	17	45431	45455	45393	45568	45624	45535	45446	45831	45655	45253	44649	45617	98.845
	18	45692	45505	45978	45178	45700	45149	45566	46127	45187	44939	44967	45119	98.782
	19	45573	45525	45381	45195	45755	45765	45244	45543	45310	45589	45715	44990	98.868
	20	45810	45396	45479	45783	44853	45189	45800	45637	45280	45008	45754	45334	98.820
	21	45098	45535	44819	45601	45478	44650	45552	45214	45209	45272	44709	45233	98.285
	22	45559	44707	44947	45545	44666	44553	46129	44931	45085	45175	45484	44752	98.134
	23	45635	45156	45156	45613	45507	45455	45338	45547	45238	45672	45378	44858	98.680

		INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013										20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
25	0	45044	44907	45195	44965	45542	45490	45350	45144	45357	45344	45525	45309	98.425	
	1	45831	44981	44753	45003	44575	45445	44703	45784	44652	44789	45109	45392	98.040	
	2	45164	45134	45847	44964	44948	45683	45524	44775	44501	45156	45307	45112	98.239	
	3	44816	44895	45092	44820	45326	45334	45550	44811	44800	45012	45047	44536	97.863	
	4	45416	45381	44643	44987	44671	45444	44881	44429	44965	44563	45491	44869	97.809	
	5	44962	45035	45180	45325	45458	45438	45224	45185	45445	44906	45581	45188	98.386	
	6	45008	45245	45144	45584	45066	45243	46038	45180	45628	44950	45329	45727	98.606	
	7	45485	45690	44928	46278	44997	45382	45496	45047	44889	45147	45808	44856	98.581	
	8	44779	45593	45704	45233	45457	45573	45169	45378	44953	45742	45725	45505	98.727	
	9	45165	45737	45269	45086	46110	45668	45154	45738	45458	44443	45516	45187	98.677	
	10	46108	45264	45655	45362	45354	45629	45368	45262	46335	45405	45570	45515	99.093	
	11	45876	45891	46646	45364	44860	45441	45278	45692	45844	45271	45709	45011	99.103	
	12	45873	45177	45812	45754	45602	45184	45875	45016	44932	45249	45652	45050	98.793	
	13	45764	45424	45259	44982	45748	45327	45550	45708	45321	46151	45526	45788	99.043	
	14	45866	45762	45573	46152	44836	45519	45817	45759	45240	46252	45268	44898	99.113	
	15	45764	45037	45590	45858	45957	45594	45640	45252	45133	45413	45351	46209	99.088	
	16	45698	45611	45406	45748	45459	45246	45518	45368	45485	45087	45740	45532	98.924	
	17	45548	45647	45186	45312	45037	45033	45138	45294	45510	45678	45176	45207	98.538	
	18	44842	45818	44924	45135	45298	44985	44945	45757	45401	45185	45163	45401	98.373	
	19	45632	44651	44620	45518	45592	45165	44940	45518	44803	45619	45132	45039	98.260	
	20	44541	45126	45455	44761	45013	44872	45175	45838	44784	45625	45267	45318	98.177	
	21	45353	44496	45649	45127	45213	44910	44477	45146	45157	45238	45125	45258	98.064	
	22	44924	44731	44599	45271	45683	44924	45511	45752	45111	45254	44924	45919	98.327	
	23	45148	45479	45523	44918	45003	45035	44654	45199	44638	44995	44827	45009	97.933	
26	0	45149	45074	44911	45134	44459	44691	45188	44634	44507	44587	44967	44426	97.438	
	1	44098	44943	44891	44853	45271	44392	45501	45845	44736	44490	44909	45154	97.689	
	2	45047	44600	45612	45038	44586	45354	45897	45239	44667	44763	45269	45380	98.119	
	3	45185	45295	45307	45727	45403	45015	44967	45715	45411	45061	45062	45479	98.513	
	4	45160	45111	45765	45984	45594	44900	45500	45380	45630	45233	45694	45306	98.809	
	5	45045	45765	45976	45292	45336	45194	45243	44983	44726	44991	45712	45581	98.552	
	6	45313	44739	44969	45391	45605	45577	45291	45686	45109	45054	45195	45831	98.537	
	7	45164	45230	44827	45624	45406	45291	45386	44932	45702	45924	45430	44827	98.534	
	8	45031	45280	45925	45334	45354	46074	45474	45431	45194	45123	45363	45139	98.711	
	9	45321	45615	45823	44928	45404	45219	45792	45734	45789	45728	45306	45947	99.055	
	10	45717	45544	45756	46162	45769	45825	45468	45595	45149	45534	45716	45573	99.270	
	11	45673	45555	46337	45751	45814	45783	45517	45493	45359	45751	45554	45131	99.255	
	12	45917	45993	45479	45530	45680	45438	45392	45641	46102	45634	45840	45659	99.360	
	13	46356	45499	45815	46348	45341	45863	45865	45883	45576	45448	45603	45767	99.552	
	14	45829	45489	45356	45633	45765	45614	45757	45508	45917	45533	45924	45517	99.277	
	15	45114	46012	45801	45502	45435	45453	46330	46343	45596	45502	45381	45540	99.307	
	16	45961	45120	46024	45518	46341	45951	45441	46058	44849	45523	46132	45589	99.398	
	17	46013	45575	44847	45560	45896	46130	45530	45952	45589	45489	45720	45285	99.230	
	18	44957	45808	45806	45967	45755	45446	45521	45517	45116	45586	45980	45971	99.202	
	19	46249	44559	45443	45538	46100	45518	46138	45608	45354	44584	45502	46120	99.072	
	20	46077	45130	44890	46059	45363	45761	45383	45709	45524	45670	45527	45163	98.989	
	21	45859	45077	45451	45256	46131	45571	45473	45922	45685	45370	45494	44864	98.970	
	22	45586	45953	44895	45028	45219	46010	45064	45604	45445	45005	46312	45513	98.877	
	23	45738	45022	45331	45200	45847	45150	45721	45324	44985	45542	45136	45294	98.633	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64	
		INAF/UNIRomaTre												
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	45456	45087	44938	45453	45776	46062	45641	45399	45152	45753	45477	45662	98.910
	1	45392	45270	45870	45444	45286	45631	45807	45277	45222	44934	45509	45475	98.783
	2	46247	45440	45803	45303	45666	45740	45598	45581	45613	45311	45704	46419	99.383
	3	45686	45540	45553	45740	45741	46096	45414	46011	45382	45503	45908	44803	99.193
	4	46012	46062	46060	45294	45547	45619	46231	45720	45878	45636	45351	45561	99.482
	5	45870	45386	45696	45554	45675	45452	45576	45236	45881	45526	46094	45474	99.200
	6	45587	45726	45932	45445	45573	45626	45603	45554	45805	45684	45385	45969	99.285
	7	45852	45432	45984	45712	46309	45254	45902	45778	45631	45847	46137	45890	99.619
	8	45306	45752	46303	46197	45496	45147	45340	46075	45702	45851	45790	45874	99.457
	9	46161	45748	46061	46341	45780	45456	45612	45693	45340	45821	46101	45195	99.543
	10	46004	46001	45755	45741	45750	45604	45872	46577	45937	45781	46075	45959	99.860
	11	45536	45452	45796	46066	46186	46053	45685	45736	45645	46119	45508	46496	99.718
	12	45759	46182	46126	45451	46310	46424	46091	45899	45771	46052	46188	45937	100.065
	13	46053	46248	45480	45948	45260	45468	44955	45920	46572	46051	45944	46040	99.657
	14	45976	45531	46033	45902	45829	45587	45511	46116	45841	45904	45301	46061	99.594
	15	45856	46189	45761	45505	46305	46550	45586	45286	45997	45432	46382	45646	99.758
	16	45515	45665	45980	45617	46055	45744	45595	46144	46118	45628	46158	46161	99.737
	17	45932	45886	46030	45900	45418	44868	45877	45651	46013	45552	45983	45552	99.425
	18	46347	45759	45253	45432	45819	45580	45976	45396	45685	45251	45344	45263	99.144
	19	45515	45091	45729	45692	46199	45370	45810	45705	45338	45995	45852	45199	99.214
	20	45672	45737	45693	45221	45805	46623	45787	45110	45608	45702	45945	45379	99.356
	21	45857	45362	45659	45970	45695	45735	45756	45098	45622	45583	45576	45802	99.254
	22	45674	45033	45631	46168	45580	45181	45449	44844	45323	45787	45350	45719	98.896
	23	45044	45376	45670	45373	45302	45831	45260	45514	44960	45539	45535	45212	98.692
28	0	45592	45627	45305	45195	45200	45681	45650	44943	45785	45292	45984	45934	98.975
	1	45288	46150	45582	45592	45435	45961	45526	45314	46343	44911	45524	45564	99.159
	2	45660	45453	45260	46118	45443	45884	46597	45480	45450	45534	44886	45600	99.190
	3	45641	45788	45617	45989	45790	45644	44918	45672	45696	45886	45921	45400	99.299
	4	45072	45440	45816	45977	45260	45595	46371	45543	45954	45848	46000	45808	99.429
	5	46326	45405	45662	45684	46015	45676	46512	45495	46066	46019	46127	46234	99.889
	6	46149	46005	45111	45791	45969	45466	45571	45305	45731	45155	44949	45504	99.071
	7	45927	45652	45964	45808	46090	45789	45615	46241	45868	45147	45699	46316	99.689
	8	45276	45654	45771	46208	45673	44893	46094	46490	45315	45623	45395	45221	99.235
	9	45820	45084	45247	45925	45525	45683	45930	44794	45670	45218	45369	45816	98.958
	10	46027	45452	45983	46015	45675	45752	45813	45967	46197	46030	46049	46812	99.989
	11	45935	46384	45287	45538	46085	46426	45174	45877	46291	45711	45970	45935	99.779
	12	45353	45671	45873	45611	46198	46513	45709	45687	45924	46091	45477	46137	99.712
	13	46396	46197	46254	46409	45980	46057	46253	46163	45530	45896	45288	46227	100.148
	14	45484	45798	46671	45784	45876	45769	45673	45228	46149	45503	45699	45404	99.493
	15	45444	45928	46189	45896	45763	45640	46084	45776	46050	45973	45536	46430	99.796
	16	46026	46190	45920	45568	46101	46087	46080	45456	45927	45245	45350	45901	99.641
	17	45392	45749	45882	46534	45828	45636	45604	45559	45435	45820	46094	45669	99.523
	18	45201	45971	45539	45619	46037	45663	45713	45659	45601	45231	46513	46210	99.479
	19	45931	45590	46040	45589	45210	45860	45508	45720	45652	45931	46454	45849	99.547
	20	45617	45972	45299	46161	45539	45713	45871	45596	46217	45920	45995	46089	99.666
	21	45553	46044	45552	45161	45647	45595	45750	45641	45435	45975	45153	45517	99.129
	22	46555	46006	45693	45405	45508	45664	46013	46008	45442	44812	45727	45419	99.352
	23	45303	45631	45535	45952	45267	45697	45607	45706	46287	46447	45254	45566	99.351

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2013											20 NM-64		
		INAF/UNIromaTre													
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	45634	45553	45445	45586	46347	45327	46150	45204	45308	46049	45697	45541	99.282	
	1	45791	46032	44730	45255	45995	45865	45579	45803	45794	45809	45389	45793	99.275	
	2	45598	45603	45574	45851	44904	45752	45845	45290	45670	45531	45709	45876	99.161	
	3	46241	45926	45409	45286	45488	45237	45616	45381	45486	45031	45999	45229	99.003	
	4	45987	45660	45777	45671	44762	46384	45435	45864	45149	45387	45624	45594	99.178	
	5	45597	45365	46082	45763	45633	45630	45557	45964	45242	45258	45911	46094	99.323	
	6	45591	45799	45480	45671	46444	46109	45965	45679	45426	45861	45288	45957	99.536	
	7	45202	46198	45707	45969	45283	46424	45873	45065	46275	46056	45465	45211	99.438	
	8	45450	45802	46110	45586	46034	46146	46345	46436	45917	45579	45280	46092	99.808	
	9	45329	45567	45811	45453	46213	45818	45623	45619	46225	45862	45658	45961	99.512	
	10	46022	45664	47205	45806	46396	46088	45748	46506	46344	45980	46635	45978	100.460	
	11	45863	46116	45766	45832	46617	46550	44967	44957	46065	45418	46266	46022	99.747	
	12	45978	46083	46240	46695	46458	45756	46233	45373	46182	45628	46381	45730	100.164	
	13	46131	46130	45963	46023	45931	46056	46506	46213	46470	46335	46003	46078	100.364	
	14	46081	45764	46253	46359	46665	45875	46484	46468	46435	45861	45988	46262	100.482	
	15	46561	45813	45398	46111	45183	45791	45822	46011	45804	46205	46028	46020	99.803	
	16	45864	45420	45874	46132	46202	46025	45821	45935	46037	45883	46211	45585	99.847	
	17	46087	45864	45866	46022	45345	45874	46484	45156	46021	46163	46172	45362	99.743	
	18	45706	45913	46017	45755	46023	45780	46379	45968	46367	45795	45052	45859	99.779	
	19	45193	45531	46143	46790	45619	45699	45392	45650	45318	45160	45688	45938	99.327	
	20	45289	45446	45831	45558	46139	45279	45617	45019	45564	46060	45250	45548	99.052	
	21	45551	45068	45868	45555	45943	45465	45968	45411	45585	45658	45519	45701	99.177	
	22	45910	45374	45361	45962	45658	45978	46139	45560	45599	45555	45484	45470	99.317	
	23	45836	46136	45655	45803	45345	45921	46035	44839	46065	45948	45837	45527	99.477	
30	0	45301	44964	45087	45336	45358	45651	45326	45858	45512	45840	45290	45795	98.820	
	1	45826	45266	45504	45392	45432	45113	45546	45351	44884	45908	45812	45221	98.808	
	2	44964	45475	44855	45957	45669	45497	45467	45682	45323	46166	45787	45167	98.945	
	3	45413	45290	45232	45510	45229	45049	45217	45513	45223	45541	44670	45530	98.475	
	4	44840	45896	45285	45031	45188	45575	44894	45446	45570	45655	45478	45585	98.661	
	5	44651	44853	44983	45098	45203	45257	45370	45329	45215	45457	45035	45294	98.173	
	6	45942	45274	44872	44976	45588	44994	45102	45271	45700	46296	45917	45982	98.928	
	7	45748	45412	45687	45068	45756	45669	45478	45617	45725	45568	45953	45987	99.245	
	8	45837	45702	46031	45708	46106	45695	46196	46128	45390	45762	45222	45395	99.518	
	9	45650	46284	46324	45749	46126	45056	46196	46052	46330	46382	46298	46496	100.201	
	10	45499	45505	45562	45823	46282	45933	46295	46084	46082	46015	45725	45622	99.745	
	11	46038	46213	45751	46028	45593	46002	46431	45917	45879	46159	45598	46315	100.016	
	12	46875	45984	46094	45930	45705	45924	45683	46527	45694	46125	46047	46568	100.240	
	13	45909	45484	45050	45573	45857	46500	46025	45547	46155	45492	45341	45943	99.464	
	14	45612	45987	45464	45478	45414	45374	44601	46093	45633	45355	45700	45042	98.899	
	15	45788	45174	45784	45943	45500	45733	45075	45306	45328	45282	45646	45849	99.017	
	16	44788	45515	45579	45698	44854	44986	44911	45563	45146	45134	45083	45101	98.283	
	17	45413	45003	45550	45076	45023	45763	45154	44760	45826	45011	45761	44771	98.420	
	18	45133	45654	45052	45074	45372	45408	45208	45562	44874	44628	44860	44773	98.146	
	19	45055	44984	45408	45522	45579	45730	44927	45260	45000	45016	44795	44911	98.252	
	20	44787	44981	45273	45010	44856	45476	45285	44687	45160	44877	45372	44754	97.950	
	21	44721	44980	44744	44941	44476	45101	45488	45204	45420	45034	44802	45413	97.914	
	22	44967	45310	44918	44876	44891	45540	45558	45205	44650	44980	44944	45188	98.042	
	23	45170	45991	44772	44974	45204	45500	44347	45047	45277	44754	45288	45396	98.167	

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1003.40	1003.41	1003.45	1003.45	1003.44	1003.46	1003.45	1003.50	1003.55	1003.51	1003.50	1003.49	1003.47
	1	1003.49	1003.48	1003.45	1003.45	1003.47	1003.48	1003.44	1003.40	1003.42	1003.42	1003.43	1003.40	1003.44
	2	1003.29	1003.25	1003.29	1003.30	1003.26	1003.25	1003.27	1003.29	1003.28	1003.26	1003.27	1003.29	1003.27
	3	1003.29	1003.25	1003.20	1003.14	1003.15	1003.20	1003.25	1003.29	1003.30	1003.35	1003.40	1003.39	1003.26
	4	1003.33	1003.34	1003.41	1003.46	1003.52	1003.56	1003.57	1003.58	1003.63	1003.74	1003.79	1003.77	1003.56
	5	1003.77	1003.82	1003.91	1003.97	1003.95	1003.91	1003.94	1003.98	1004.01	1004.05	1004.08	1004.10	1003.96
	6	1004.08	1004.11	1004.19	1004.19	1004.17	1004.19	1004.21	1004.25	1004.28	1004.29	1004.34	1004.37	1004.22
	7	1004.38	1004.42	1004.43	1004.42	1004.46	1004.55	1004.57	1004.55	1004.54	1004.55	1004.63	1004.71	1004.52
	8	1004.75	1004.78	1004.82	1004.85	1004.84	1004.85	1004.89	1004.96	1005.01	1005.02	1004.99	1005.01	1004.90
	9	1005.04	1005.01	1005.01	1005.01	1005.05	1005.16	1005.28	1005.35	1005.31	1005.29	1005.29	1005.23	1005.17
	10	1005.15	1005.11	1005.07	1005.02	1004.96	1004.91	1004.85	1004.84	1004.87	1004.85	1004.86	1004.83	1004.94
	11	1004.74	1004.68	1004.63	1004.62	1004.64	1004.61	1004.56	1004.54	1004.50	1004.50	1004.45	1004.34	1004.56
	12	1004.22	1004.05	1003.92	1003.87	1003.84	1003.78	1003.71	1003.66	1003.59	1003.49	1003.45	1003.43	1003.75
	13	1003.36	1003.33	1003.32	1003.26	1003.24	1003.28	1003.30	1003.25	1003.19	1003.13	1003.12	1003.11	1003.24
	14	1003.03	1002.96	1002.94	1002.90	1002.82	1002.75	1002.70	1002.61	1002.52	1002.43	1002.32	1002.25	1002.68
	15	1002.18	1002.10	1002.04	1001.99	1001.96	1001.93	1001.91	1001.88	1001.85	1001.87	1001.85	1001.79	1001.94
	16	1001.80	1001.81	1001.78	1001.76	1001.77	1001.74	1001.67	1001.59	1001.51	1001.43	1001.36	1001.32	1001.63
	17	1001.36	1001.39	1001.38	1001.39	1001.33	1001.26	1001.27	1001.16	1001.09	1001.17	1001.18	1000.95	1001.24
	18	1000.77	1000.78	1000.76	1000.70	1000.66	1000.63	1000.61	1000.64	1000.71	1000.67	1000.51	1000.38	1000.65
	19	1000.33	1000.29	1000.20	1000.09	1000.01	999.98	999.97	999.92	999.81	999.73	999.66	999.57	999.96
	20	999.54	999.49	999.39	999.30	999.19	999.06	998.98	998.95	998.93	998.86	998.75	998.74	999.10
	21	998.71	998.66	998.57	998.49	998.47	998.44	998.40	998.31	998.22	998.18	998.15	998.14	998.39
	22	998.10	998.05	998.00	997.92	997.85	997.80	997.78	997.76	997.77	997.75	997.70	997.67	997.84
	23	997.62	997.56	997.50	997.46	997.40	997.36	997.37	997.37	997.38	997.37	997.34	997.34	997.42
2	0	997.39	997.35	997.31	997.31	997.28	997.23	997.22	997.19	997.21	997.19	997.12	997.08	997.23
	1	997.05	997.02	996.97	996.84	996.69	996.60	996.66	996.68	996.58	996.52	996.47	996.49	996.71
	2	996.54	996.56	996.55	996.54	996.53	996.44	996.43	996.47	996.42	996.36	996.33	996.33	996.46
	3	996.32	996.33	996.35	996.36	996.37	996.38	996.38	996.36	996.34	996.29	996.28	996.30	996.34
	4	996.30	996.29	996.23	996.16	996.11	996.09	996.06	996.03	996.05	996.12	996.13	996.10	996.14
	5	996.08	996.10	996.11	996.12	996.16	996.22	996.27	996.30	996.31	996.32	996.32	996.27	996.21
	6	996.21	996.14	996.05	995.90	995.75	995.68	995.67	995.66	995.65	995.62	995.61	995.59	995.79
	7	995.54	995.50	995.51	995.52	995.50	995.46	995.43	995.39	995.31	995.21	995.13	995.08	995.38
	8	995.05	995.04	995.05	995.06	995.05	995.06	995.04	995.01	995.00	994.97	994.91	994.91	995.01
	9	994.94	994.96	994.98	994.96	994.95	994.95	994.93	994.86	994.71	994.64	994.78	994.97	994.88
	10	995.03	995.10	995.08	994.96	995.12	995.40	995.45	995.38	995.29	995.28	995.32	995.29	995.22
	11	995.28	995.35	995.36	995.29	995.22	995.20	995.24	995.28	995.34	995.42	995.46	995.44	995.32
	12	995.49	995.62	995.68	995.67	995.65	995.68	995.75	995.81	995.84	995.83	995.84	995.88	995.73
	13	995.92	995.93	995.94	995.93	995.92	995.91	995.89	995.87	995.84	995.83	995.86	995.86	995.89
	14	995.83	995.81	995.77	995.71	995.67	995.63	995.60	995.62	995.66	995.70	995.78	995.85	995.72
	15	995.91	995.97	996.05	996.12	996.17	996.22	996.28	996.33	996.39	996.46	996.51	996.55	996.24
	16	996.58	996.67	996.80	996.88	996.90	996.91	996.98	997.10	997.19	997.23	997.29	997.40	996.99
	17	997.52	997.61	997.69	997.76	997.83	997.90	997.96	998.05	998.20	998.32	998.36	998.40	997.96
	18	998.45	998.48	998.52	998.56	998.59	998.66	998.76	998.82	998.88	998.93	998.99	999.07	998.72
	19	999.16	999.23	999.29	999.35	999.40	999.40	999.40	999.42	999.41	999.42	999.42	999.41	999.36
	20	999.41	999.46	999.56	999.62	999.63	999.63	999.65	999.68	999.71	999.74	999.74	999.76	999.63
	21	999.78	999.78	999.81	999.85	999.89	999.91	999.93	999.96	999.97	999.99	1000.03	1000.05	999.91
	22	1000.06	1000.07	1000.06	1000.06	1000.08	1000.09	1000.11	1000.14	1000.17	1000.20	1000.21	1000.20	1000.12
	23	1000.19	1000.21	1000.22	1000.21	1000.21	1000.21	1000.23	1000.24	1000.26	1000.28	1000.32	1000.37	1000.24

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1000.39	1000.42	1000.46	1000.52	1000.60	1000.63	1000.64	1000.68	1000.72	1000.76	1000.79	1000.80	1000.63
	1	1000.80	1000.80	1000.80	1000.79	1000.79	1000.78	1000.77	1000.74	1000.70	1000.69	1000.71	1000.70	1000.75
	2	1000.68	1000.69	1000.73	1000.75	1000.76	1000.79	1000.84	1000.88	1000.90	1000.91	1000.92	1000.94	1000.81
	3	1000.98	1001.03	1001.07	1001.10	1001.15	1001.20	1001.22	1001.24	1001.26	1001.30	1001.35	1001.37	1001.19
	4	1001.38	1001.37	1001.36	1001.37	1001.39	1001.42	1001.45	1001.51	1001.57	1001.60	1001.65	1001.77	1001.48
	5	1001.88	1001.95	1001.99	1002.01	1002.06	1002.13	1002.16	1002.15	1002.09	1002.12	1002.21	1002.22	1002.08
	6	1002.22	1002.24	1002.25	1002.29	1002.34	1002.39	1002.44	1002.50	1002.54	1002.54	1002.57	1002.62	1002.41
	7	1002.71	1002.79	1002.86	1002.93	1002.97	1002.99	1003.00	1003.02	1003.05	1003.09	1003.07	1003.03	1002.96
	8	1003.05	1003.13	1003.19	1003.21	1003.19	1003.18	1003.18	1003.18	1003.20	1003.22	1003.25	1003.27	1003.19
	9	1003.28	1003.31	1003.38	1003.45	1003.53	1003.61	1003.65	1003.63	1003.62	1003.64	1003.71	1003.81	1003.55
	10	1003.87	1003.84	1003.77	1003.73	1003.72	1003.75	1003.74	1003.71	1003.67	1003.65	1003.65	1003.64	1003.73
	11	1003.64	1003.64	1003.65	1003.66	1003.64	1003.61	1003.62	1003.63	1003.63	1003.65	1003.71	1003.73	1003.65
	12	1003.74	1003.74	1003.70	1003.65	1003.61	1003.61	1003.61	1003.57	1003.55	1003.54	1003.55	1003.64	1003.62
	13	1003.76	1003.83	1003.83	1003.83	1003.81	1003.81	1003.84	1003.83	1003.81	1003.82	1003.83	1003.88	1003.82
	14	1003.91	1003.88	1003.81	1003.75	1003.76	1003.82	1003.87	1003.90	1003.91	1003.93	1003.97	1004.03	1003.87
	15	1004.09	1004.12	1004.13	1004.14	1004.13	1004.15	1004.20	1004.22	1004.24	1004.23	1004.18	1004.16	1004.16
	16	1004.22	1004.30	1004.37	1004.45	1004.49	1004.49	1004.52	1004.54	1004.56	1004.61	1004.65	1004.68	1004.49
	17	1004.72	1004.78	1004.86	1004.96	1005.04	1005.08	1005.11	1005.15	1005.16	1005.17	1005.21	1005.26	1005.04
	18	1005.32	1005.36	1005.42	1005.48	1005.52	1005.56	1005.58	1005.62	1005.67	1005.75	1005.82	1005.87	1005.58
	19	1005.93	1005.99	1006.08	1006.17	1006.23	1006.30	1006.40	1006.51	1006.59	1006.61	1006.59	1006.61	1006.33
	20	1006.66	1006.68	1006.69	1006.72	1006.76	1006.78	1006.79	1006.82	1006.86	1006.89	1006.92	1006.97	1006.79
	21	1007.02	1007.02	1007.02	1007.03	1007.07	1007.11	1007.08	1007.05	1007.03	1007.01	1007.02	1007.02	1007.04
	22	1007.01	1007.02	1007.03	1007.00	1006.98	1007.01	1007.06	1007.10	1007.10	1007.08	1007.11	1007.17	1007.05
	23	1007.25	1007.31	1007.29	1007.25	1007.28	1007.36	1007.43	1007.47	1007.51	1007.56	1007.59	1007.60	1007.41
4	0	1007.56	1007.51	1007.46	1007.44	1007.44	1007.47	1007.49	1007.48	1007.44	1007.37	1007.31	1007.28	1007.43
	1	1007.22	1007.20	1007.25	1007.28	1007.32	1007.35	1007.33	1007.31	1007.30	1007.32	1007.37	1007.39	1007.30
	2	1007.37	1007.37	1007.41	1007.49	1007.53	1007.50	1007.45	1007.40	1007.39	1007.35	1007.31	1007.30	1007.40
	3	1007.31	1007.37	1007.44	1007.45	1007.42	1007.46	1007.51	1007.49	1007.44	1007.43	1007.41	1007.42	1007.43
	4	1007.47	1007.40	1007.32	1007.43	1007.54	1007.41	1007.12	1006.99	1007.07	1007.05	1007.10	1007.33	1007.27
	5	1007.36	1007.32	1007.32	1007.19	1007.15	1007.14	1007.11	1007.13	1007.05	1006.92	1006.80	1006.71	1007.10
	6	1006.72	1006.80	1006.83	1006.85	1006.84	1006.79	1006.79	1006.86	1006.93	1006.96	1006.97	1006.95	1006.86
	7	1006.86	1006.76	1006.71	1006.67	1006.66	1006.72	1006.78	1006.77	1006.74	1006.80	1006.91	1006.96	1006.78
	8	1006.96	1006.88	1006.76	1006.75	1006.77	1006.75	1006.74	1006.74	1006.70	1006.65	1006.76	1006.95	1006.78
	9	1007.02	1006.98	1006.92	1006.89	1006.95	1007.03	1007.10	1007.18	1007.23	1007.24	1007.15	1007.02	1007.06
	10	1006.93	1006.83	1006.73	1006.65	1006.52	1006.40	1006.35	1006.27	1006.10	1005.91	1005.76	1005.67	1006.34
	11	1005.63	1005.53	1005.39	1005.32	1005.23	1005.12	1005.00	1004.91	1004.92	1004.98	1005.01	1004.96	1005.17
	12	1004.90	1004.92	1004.93	1004.86	1004.78	1004.66	1004.56	1004.44	1004.24	1004.22	1004.28	1004.29	1004.59
	13	1004.27	1004.26	1004.24	1004.18	1004.04	1003.72	1003.35	1003.18	1003.10	1002.87	1002.66	1002.63	1003.54
	14	1002.57	1002.40	1002.17	1001.98	1001.91	1001.89	1001.90	1001.92	1001.91	1001.82	1001.80	1001.82	1002.01
	15	1001.78	1001.72	1001.65	1001.52	1001.43	1001.43	1001.36	1001.24	1001.15	1001.13	1001.16	1001.08	1001.38
	16	1001.00	1001.00	1000.99	1000.93	1000.87	1000.76	1000.66	1000.60	1000.54	1000.48	1000.43	1000.38	1000.72
	17	1000.32	1000.26	1000.20	1000.15	1000.13	1000.01	999.83	999.74	999.72	999.59	999.39	999.30	999.88
	18	999.19	999.00	998.85	998.75	998.65	998.56	998.46	998.37	998.29	998.33	998.36	998.37	998.60
	19	998.48	998.48	998.43	998.38	998.38	998.48	998.60	998.67	998.74	998.82	998.86	998.86	998.60
	20	999.00	999.22	999.14	999.02	999.01	999.00	998.87	998.49	998.21	998.19	998.24	998.14	998.71
	21	998.03	998.03	998.07	998.02	997.94	997.91	997.91	998.06	998.30	998.42	998.02	997.44	998.01
	22	997.17	996.78	996.41	996.26	996.17	996.07	996.13	996.20	996.25	996.40	996.62	996.86	996.44
	23	996.99	996.99	996.98	996.92	996.88	996.88	996.79	996.69	996.62	996.60	996.59	996.55	996.79

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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	996.26	996.26	996.29	996.34	996.32	996.31	996.28	996.16	996.01	995.83	995.69	995.54	996.10
	1	995.40	995.31	995.30	995.37	995.45	995.43	995.45	995.53	995.52	995.51	995.54	995.63	995.45
	2	995.66	995.63	995.61	995.60	995.60	995.64	995.64	995.61	995.63	995.70	995.79	995.88	995.66
	3	995.99	996.12	996.25	996.36	996.46	996.58	996.64	996.71	996.76	996.76	996.78	996.83	996.52
	4	996.93	997.02	997.10	997.20	997.30	997.37	997.43	997.49	997.54	997.62	997.66	997.68	997.36
	5	997.68	997.77	997.83	997.78	997.91	998.05	998.10	998.19	998.25	998.27	998.26	998.27	998.03
	6	998.30	998.34	998.35	998.35	998.40	998.47	998.51	998.56	998.59	998.61	998.62	998.67	998.48
	7	998.77	998.87	998.93	998.92	998.92	998.95	998.97	999.03	999.13	999.24	999.33	999.38	999.03
	8	999.46	999.57	999.66	999.73	999.82	999.98	1000.09	1000.17	1000.28	1000.42	1000.48	1000.51	1000.01
	9	1000.60	1000.67	1000.75	1000.81	1000.86	1000.88	1000.92	1000.96	1000.97	1001.00	1001.07	1001.11	1000.88
	10	1001.11	1001.12	1001.15	1001.22	1001.25	1001.24	1001.25	1001.25	1001.29	1001.33	1001.35	1001.39	1001.24
	11	1001.41	1001.44	1001.48	1001.52	1001.56	1001.62	1001.73	1001.83	1001.94	1002.08	1002.19	1002.26	1001.75
	12	1002.35	1002.48	1002.56	1002.63	1002.69	1002.76	1002.85	1002.91	1002.98	1003.04	1003.04	1003.05	1002.78
	13	1003.07	1003.11	1003.15	1003.22	1003.32	1003.40	1003.44	1003.45	1003.53	1003.71	1003.85	1003.95	1003.43
	14	1003.98	1003.95	1003.89	1003.78	1003.69	1003.73	1003.82	1003.85	1003.84	1003.85	1003.87	1003.88	1003.84
	15	1003.88	1003.85	1003.86	1003.90	1003.96	1004.02	1004.04	1004.07	1004.14	1004.19	1004.23	1004.28	1004.03
	16	1004.37	1004.48	1004.58	1004.61	1004.61	1004.66	1004.69	1004.69	1004.70	1004.74	1004.79	1004.85	1004.65
	17	1004.88	1004.95	1005.02	1005.05	1005.08	1005.11	1005.15	1005.22	1005.25	1005.26	1005.30	1005.36	1005.13
	18	1005.41	1005.47	1005.52	1005.58	1005.65	1005.72	1005.80	1005.90	1006.01	1006.12	1006.23	1006.29	1005.81
	19	1006.32	1006.36	1006.42	1006.49	1006.55	1006.61	1006.65	1006.71	1006.84	1006.95	1007.01	1007.08	1006.66
	20	1007.12	1007.14	1007.12	1007.11	1007.16	1007.22	1007.24	1007.27	1007.28	1007.29	1007.27	1007.25	1007.20
	21	1007.24	1007.25	1007.27	1007.29	1007.31	1007.31	1007.32	1007.36	1007.42	1007.46	1007.47	1007.49	1007.35
	22	1007.51	1007.51	1007.49	1007.45	1007.42	1007.42	1007.43	1007.42	1007.39	1007.35	1007.34	1007.34	1007.42
	23	1007.37	1007.41	1007.46	1007.47	1007.47	1007.48	1007.48	1007.47	1007.46	1007.44	1007.44	1007.47	1007.45
6	0	1007.46	1007.47	1007.44	1007.42	1007.40	1007.35	1007.30	1007.27	1007.26	1007.26	1007.23	1007.16	1007.33
	1	1007.09	1007.04	1007.03	1007.03	1007.00	1006.97	1006.96	1006.96	1006.95	1006.96	1006.98	1007.03	1007.00
	2	1007.05	1007.01	1007.00	1007.05	1007.07	1007.05	1007.00	1006.95	1006.92	1006.91	1006.90	1006.95	1006.99
	3	1007.01	1007.00	1007.00	1007.01	1007.00	1006.97	1006.94	1006.94	1006.95	1006.97	1006.98	1006.99	1006.98
	4	1007.04	1007.01	1006.98	1006.98	1006.96	1006.92	1006.87	1006.87	1006.89	1006.90	1006.96	1007.03	1006.95
	5	1007.06	1007.09	1007.12	1007.19	1007.23	1007.26	1007.32	1007.36	1007.38	1007.40	1007.41	1007.46	1007.27
	6	1007.51	1007.54	1007.57	1007.57	1007.55	1007.55	1007.56	1007.57	1007.56	1007.54	1007.54	1007.53	1007.55
	7	1007.51	1007.52	1007.48	1007.43	1007.41	1007.38	1007.39	1007.44	1007.51	1007.54	1007.55	1007.61	1007.48
	8	1007.66	1007.67	1007.67	1007.65	1007.63	1007.62	1007.61	1007.56	1007.53	1007.55	1007.56	1007.58	1007.61
	9	1007.59	1007.61	1007.64	1007.68	1007.70	1007.67	1007.63	1007.65	1007.66	1007.63	1007.62	1007.58	1007.64
	10	1007.57	1007.57	1007.54	1007.50	1007.44	1007.40	1007.37	1007.30	1007.23	1007.17	1007.17	1007.19	1007.37
	11	1007.22	1007.26	1007.28	1007.26	1007.27	1007.29	1007.33	1007.34	1007.31	1007.25	1007.17	1007.08	1007.25
	12	1007.04	1007.04	1007.04	1007.07	1007.12	1007.10	1007.00	1006.92	1006.87	1006.81	1006.78	1006.76	1006.96
	13	1006.70	1006.63	1006.56	1006.47	1006.36	1006.27	1006.21	1006.18	1006.15	1006.10	1006.04	1005.99	1006.30
	14	1005.96	1005.92	1005.89	1005.85	1005.83	1005.83	1005.81	1005.80	1005.78	1005.78	1005.77	1005.72	1005.83
	15	1005.71	1005.70	1005.67	1005.65	1005.65	1005.66	1005.64	1005.67	1005.72	1005.73	1005.73	1005.76	1005.69
	16	1005.80	1005.83	1005.86	1005.84	1005.86	1005.94	1005.97	1005.96	1005.98	1005.99	1006.00	1006.03	1005.92
	17	1006.07	1006.10	1006.13	1006.14	1006.12	1006.12	1006.14	1006.17	1006.19	1006.23	1006.26	1006.25	1006.16
	18	1006.28	1006.34	1006.39	1006.44	1006.50	1006.54	1006.60	1006.63	1006.68	1006.78	1006.85	1006.91	1006.58
	19	1006.99	1007.02	1007.02	1007.02	1007.01	1006.97	1006.96	1006.95	1006.94	1006.97	1006.99	1006.98	1006.98
	20	1006.97	1006.93	1006.87	1006.82	1006.81	1006.82	1006.82	1006.80	1006.78	1006.80	1006.81	1006.80	1006.83
	21	1006.79	1006.83	1006.86	1006.88	1006.87	1006.84	1006.81	1006.78	1006.75	1006.73	1006.71	1006.68	1006.79
	22	1006.64	1006.58	1006.53	1006.48	1006.43	1006.37	1006.31	1006.26	1006.20	1006.14	1006.09	1006.07	1006.34
	23	1006.05	1006.01	1005.97	1005.93	1005.87	1005.82	1005.76	1005.69	1005.61	1005.55	1005.47	1005.36	1005.75

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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	1005.21	1005.20	1005.15	1005.08	1004.99	1004.91	1004.84	1004.79	1004.73	1004.67	1004.61	1004.55	1004.88
	1	1004.50	1004.47	1004.43	1004.42	1004.44	1004.40	1004.32	1004.27	1004.24	1004.21	1004.19	1004.15	1004.34
	2	1004.06	1003.98	1003.92	1003.86	1003.82	1003.79	1003.77	1003.75	1003.74	1003.73	1003.74	1003.73	1003.82
	3	1003.69	1003.67	1003.64	1003.64	1003.63	1003.63	1003.64	1003.62	1003.56	1003.51	1003.47	1003.47	1003.59
	4	1003.49	1003.53	1003.57	1003.60	1003.62	1003.63	1003.65	1003.62	1003.56	1003.50	1003.47	1003.45	1003.55
	5	1003.48	1003.56	1003.62	1003.67	1003.73	1003.80	1003.83	1003.84	1003.86	1003.86	1003.86	1003.86	1003.75
	6	1003.85	1003.86	1003.90	1003.93	1003.94	1003.97	1003.99	1004.00	1004.00	1003.96	1003.95	1003.97	1003.94
	7	1003.97	1003.96	1003.94	1003.92	1003.93	1003.96	1003.95	1003.93	1003.94	1003.95	1003.97	1003.99	1003.95
	8	1004.00	1004.03	1004.07	1004.06	1004.03	1004.03	1004.05	1004.08	1004.09	1004.08	1004.09	1004.06	1004.06
	9	1004.00	1003.99	1003.99	1003.97	1003.95	1003.94	1003.94	1003.92	1003.88	1003.86	1003.82	1003.76	1003.92
	10	1003.71	1003.68	1003.63	1003.60	1003.58	1003.53	1003.44	1003.42	1003.40	1003.37	1003.39	1003.37	1003.51
	11	1003.36	1003.34	1003.34	1003.33	1003.27	1003.22	1003.15	1003.14	1003.09	1003.03	1002.98	1002.96	1003.18
	12	1002.98	1002.91	1002.85	1002.83	1002.78	1002.71	1002.66	1002.61	1002.58	1002.55	1002.52	1002.47	1002.70
	13	1002.44	1002.39	1002.32	1002.29	1002.25	1002.22	1002.26	1002.30	1002.33	1002.32	1002.32	1002.31	1002.31
	14	1002.32	1002.34	1002.29	1002.26	1002.33	1002.37	1002.35	1002.33	1002.31	1002.29	1002.30	1002.30	1002.31
	15	1002.31	1002.35	1002.39	1002.42	1002.44	1002.46	1002.49	1002.58	1002.66	1002.67	1002.70	1002.79	1002.52
	16	1002.88	1002.98	1003.02	1003.09	1003.19	1003.31	1003.46	1003.51	1003.52	1003.63	1003.77	1003.90	1003.35
	17	1003.99	1004.04	1004.12	1004.25	1004.35	1004.43	1004.46	1004.52	1004.61	1004.69	1004.81	1004.92	1004.43
	18	1005.00	1005.05	1005.12	1005.19	1005.23	1005.29	1005.34	1005.42	1005.53	1005.59	1005.62	1005.70	1005.34
	19	1005.78	1005.77	1005.73	1005.79	1005.97	1006.03	1006.05	1006.11	1006.11	1006.06	1006.03	1006.05	1005.95
	20	1006.05	1006.06	1006.10	1006.12	1006.14	1006.20	1006.28	1006.34	1006.42	1006.50	1006.58	1006.63	1006.28
	21	1006.60	1006.55	1006.56	1006.65	1006.76	1006.81	1006.85	1006.90	1006.91	1006.92	1006.97	1007.04	1006.79
	22	1007.10	1007.15	1007.18	1007.21	1007.26	1007.30	1007.34	1007.36	1007.38	1007.41	1007.44	1007.46	1007.30
	23	1007.48	1007.50	1007.51	1007.53	1007.57	1007.61	1007.61	1007.62	1007.62	1007.59	1007.57	1007.60	1007.56
8	0	1007.63	1007.66	1007.65	1007.62	1007.59	1007.56	1007.55	1007.56	1007.55	1007.48	1007.43	1007.41	1007.55
	1	1007.39	1007.34	1007.33	1007.44	1007.50	1007.46	1007.47	1007.59	1007.69	1007.71	1007.70	1007.75	1007.53
	2	1007.83	1007.82	1007.75	1007.66	1007.58	1007.59	1007.59	1007.58	1007.62	1007.69	1007.77	1007.79	1007.69
	3	1007.75	1007.63	1007.54	1007.54	1007.57	1007.58	1007.55	1007.55	1007.58	1007.57	1007.64	1007.74	1007.60
	4	1007.76	1007.74	1007.77	1007.81	1007.82	1007.81	1007.77	1007.74	1007.73	1007.82	1007.92	1007.94	1007.80
	5	1008.00	1008.12	1008.28	1008.39	1008.40	1008.42	1008.41	1008.33	1008.18	1008.13	1008.36	1008.51	1008.29
	6	1008.43	1008.44	1008.53	1008.65	1008.72	1008.68	1008.65	1008.71	1008.78	1008.83	1008.92	1008.99	1008.69
	7	1008.99	1009.00	1009.03	1009.05	1009.07	1009.01	1008.94	1008.91	1008.96	1009.04	1009.02	1009.02	1009.00
	8	1009.06	1009.01	1008.90	1008.87	1008.94	1009.01	1009.18	1009.39	1009.42	1009.48	1009.66	1009.68	1009.22
	9	1009.60	1009.50	1009.40	1009.41	1009.46	1009.46	1009.44	1009.44	1009.43	1009.38	1009.36	1009.38	1009.43
	10	1009.43	1009.50	1009.48	1009.44	1009.49	1009.50	1009.45	1009.43	1009.37	1009.29	1009.22	1009.17	1009.40
	11	1009.12	1009.12	1009.14	1009.09	1009.07	1009.06	1008.98	1008.90	1008.91	1008.94	1008.90	1008.88	1009.01
	12	1008.89	1008.91	1008.93	1008.93	1008.95	1008.95	1008.86	1008.80	1008.77	1008.78	1008.78	1008.75	1008.86
	13	1008.76	1008.71	1008.63	1008.58	1008.57	1008.56	1008.61	1008.66	1008.68	1008.73	1008.78	1008.78	1008.67
	14	1008.74	1008.74	1008.76	1008.80	1008.86	1008.93	1008.95	1008.84	1008.78	1008.82	1008.89	1008.92	1008.83
	15	1008.84	1008.75	1008.68	1008.67	1008.75	1008.84	1008.82	1008.68	1008.67	1008.76	1008.79	1008.79	1008.75
	16	1008.80	1008.87	1008.92	1008.96	1009.02	1009.04	1009.04	1009.07	1009.10	1009.13	1009.19	1009.24	1009.03
	17	1009.28	1009.31	1009.33	1009.36	1009.34	1009.30	1009.27	1009.24	1009.20	1009.18	1009.17	1009.17	1009.26
	18	1009.22	1009.29	1009.37	1009.45	1009.49	1009.54	1009.64	1009.72	1009.81	1009.89	1009.92	1009.88	1009.60
	19	1009.80	1009.77	1009.80	1009.86	1009.94	1010.01	1010.04	1010.08	1010.05	1009.98	1010.03	1010.09	1009.95
	20	1010.05	1010.00	1009.99	1009.99	1009.99	1010.00	1010.03	1010.04	1010.01	1010.02	1010.04	1010.03	1010.01
	21	1010.03	1010.02	1010.01	1010.04	1010.12	1010.17	1010.20	1010.22	1010.21	1010.19	1010.21	1010.20	1010.13
	22	1010.15	1010.12	1010.06	1010.01	1009.98	1009.92	1009.85	1009.77	1009.67	1009.66	1009.65	1009.56	1009.86
	23	1009.47	1009.39	1009.38	1009.35	1009.28	1009.25	1009.22	1009.14	1009.08	1009.00	1008.90	1008.84	1009.19

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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	1008.79	1008.77	1008.73	1008.68	1008.65	1008.63	1008.66	1008.70	1008.70	1008.72	1008.68	1008.62	1008.69
	1	1008.58	1008.56	1008.55	1008.55	1008.55	1008.55	1008.55	1008.54	1008.53	1008.51	1008.50	1008.52	1008.54
	2	1008.55	1008.58	1008.62	1008.65	1008.66	1008.69	1008.69	1008.68	1008.72	1008.72	1008.69	1008.67	1008.66
	3	1008.65	1008.64	1008.63	1008.68	1008.78	1008.88	1008.97	1009.01	1009.01	1009.01	1009.03	1009.09	1008.86
	4	1009.15	1009.18	1009.25	1009.32	1009.33	1009.36	1009.43	1009.48	1009.51	1009.58	1009.65	1009.72	1009.41
	5	1009.77	1009.81	1009.85	1009.91	1010.02	1010.09	1010.11	1010.09	1010.06	1010.10	1010.18	1010.21	1010.02
	6	1010.25	1010.34	1010.45	1010.51	1010.50	1010.52	1010.54	1010.54	1010.54	1010.57	1010.62	1010.65	1010.50
	7	1010.67	1010.68	1010.74	1010.85	1010.91	1010.94	1010.96	1010.97	1011.00	1011.09	1011.20	1011.29	1010.94
	8	1011.33	1011.33	1011.38	1011.42	1011.41	1011.43	1011.46	1011.50	1011.53	1011.52	1011.52	1011.60	1011.45
	9	1011.70	1011.72	1011.71	1011.73	1011.72	1011.68	1011.71	1011.73	1011.71	1011.75	1011.81	1011.78	1011.73
	10	1011.73	1011.72	1011.71	1011.69	1011.69	1011.66	1011.62	1011.59	1011.62	1011.64	1011.64	1011.68	1011.66
	11	1011.73	1011.74	1011.63	1011.55	1011.56	1011.57	1011.57	1011.58	1011.56	1011.53	1011.51	1011.51	1011.58
	12	1011.56	1011.63	1011.70	1011.70	1011.65	1011.63	1011.63	1011.65	1011.61	1011.57	1011.59	1011.59	1011.62
	13	1011.62	1011.65	1011.64	1011.55	1011.49	1011.53	1011.54	1011.52	1011.43	1011.34	1011.35	1011.38	1011.50
	14	1011.34	1011.32	1011.29	1011.20	1011.11	1011.13	1011.17	1011.15	1011.12	1011.11	1011.07	1011.01	1011.17
	15	1010.99	1010.90	1010.95	1011.02	1011.03	1011.08	1011.09	1011.06	1010.99	1010.98	1010.99	1011.04	1011.01
	16	1011.09	1011.15	1011.19	1011.24	1011.28	1011.32	1011.37	1011.35	1011.33	1011.35	1011.41	1011.47	1011.29
	17	1011.49	1011.44	1011.38	1011.38	1011.43	1011.47	1011.50	1011.51	1011.47	1011.50	1011.55	1011.57	1011.47
	18	1011.61	1011.65	1011.64	1011.63	1011.64	1011.66	1011.73	1011.79	1011.81	1011.79	1011.74	1011.70	1011.70
	19	1011.72	1011.79	1011.83	1011.82	1011.80	1011.79	1011.79	1011.79	1011.83	1011.88	1011.86	1011.80	1011.80
	20	1011.79	1011.83	1011.82	1011.77	1011.73	1011.65	1011.59	1011.59	1011.60	1011.60	1011.62	1011.65	1011.69
	21	1011.67	1011.70	1011.72	1011.67	1011.64	1011.59	1011.54	1011.55	1011.58	1011.55	1011.48	1011.39	1011.59
	22	1011.37	1011.40	1011.40	1011.46	1011.54	1011.61	1011.67	1011.68	1011.67	1011.65	1011.63	1011.66	1011.56
	23	1011.69	1011.75	1011.77	1011.75	1011.74	1011.76	1011.80	1011.78	1011.74	1011.69	1011.63	1011.52	1011.71
10	0	1011.35	1011.32	1011.27	1011.22	1011.18	1011.14	1011.10	1011.04	1010.96	1010.87	1010.78	1010.71	1011.06
	1	1010.67	1010.69	1010.70	1010.69	1010.66	1010.60	1010.55	1010.57	1010.64	1010.70	1010.73	1010.73	1010.66
	2	1010.76	1010.76	1010.75	1010.78	1010.80	1010.79	1010.74	1010.72	1010.63	1010.53	1010.49	1010.46	1010.68
	3	1010.54	1010.72	1010.85	1010.92	1010.96	1010.97	1010.97	1011.00	1011.00	1010.99	1011.04	1011.10	1010.92
	4	1011.13	1011.15	1011.20	1011.23	1011.22	1011.21	1011.18	1011.15	1011.19	1011.28	1011.36	1011.40	1011.22
	5	1011.42	1011.50	1011.61	1011.69	1011.74	1011.71	1011.62	1011.63	1011.72	1011.85	1011.95	1012.02	1011.70
	6	1012.09	1012.13	1012.15	1012.15	1012.15	1012.16	1012.17	1012.20	1012.21	1012.23	1012.26	1012.28	1012.18
	7	1012.32	1012.38	1012.46	1012.54	1012.58	1012.60	1012.58	1012.54	1012.53	1012.53	1012.54	1012.57	1012.51
	8	1012.59	1012.61	1012.68	1012.75	1012.74	1012.75	1012.79	1012.83	1012.84	1012.83	1012.84	1012.87	1012.76
	9	1012.90	1012.89	1012.91	1012.96	1012.98	1012.96	1012.97	1012.98	1012.98	1013.00	1012.99	1012.94	1012.95
	10	1012.90	1012.88	1012.86	1012.78	1012.72	1012.78	1012.77	1012.69	1012.68	1012.69	1012.73	1012.70	1012.76
	11	1012.63	1012.61	1012.60	1012.63	1012.69	1012.68	1012.66	1012.69	1012.73	1012.74	1012.71	1012.72	1012.67
	12	1012.72	1012.70	1012.72	1012.77	1012.75	1012.72	1012.70	1012.65	1012.60	1012.58	1012.59	1012.62	1012.67
	13	1012.60	1012.55	1012.53	1012.57	1012.63	1012.64	1012.63	1012.64	1012.69	1012.70	1012.68	1012.56	1012.62
	14	1012.39	1012.36	1012.34	1012.31	1012.32	1012.38	1012.45	1012.51	1012.55	1012.59	1012.57	1012.53	1012.44
	15	1012.52	1012.50	1012.46	1012.43	1012.43	1012.47	1012.49	1012.55	1012.64	1012.68	1012.70	1012.76	1012.55
	16	1012.78	1012.74	1012.72	1012.77	1012.84	1012.89	1012.94	1013.01	1013.05	1013.08	1013.09	1013.09	1012.91
	17	1013.12	1013.17	1013.21	1013.25	1013.29	1013.30	1013.32	1013.33	1013.33	1013.34	1013.39	1013.50	1013.29
	18	1013.57	1013.62	1013.66	1013.68	1013.69	1013.71	1013.76	1013.81	1013.85	1013.91	1013.95	1013.99	1013.76
	19	1014.08	1014.14	1014.17	1014.19	1014.21	1014.24	1014.27	1014.34	1014.40	1014.37	1014.34	1014.36	1014.26
	20	1014.45	1014.57	1014.65	1014.73	1014.80	1014.85	1014.86	1014.85	1014.88	1014.90	1014.94	1015.00	1014.79
	21	1015.02	1015.01	1015.01	1015.02	1015.03	1015.05	1015.09	1015.09	1015.12	1015.17	1015.19	1015.21	1015.08
	22	1015.23	1015.24	1015.23	1015.23	1015.23	1015.23	1015.25	1015.30	1015.35	1015.39	1015.38	1015.38	1015.28
	23	1015.37	1015.35	1015.35	1015.33	1015.30	1015.28	1015.26	1015.26	1015.24	1015.20	1015.13	1015.07	1015.26

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1015.18	1015.19	1015.23	1015.26	1015.26	1015.27	1015.26	1015.23	1015.21	1015.19	1015.15	1015.09	1015.21
	1	1015.05	1015.03	1015.03	1015.03	1015.02	1015.01	1015.04	1015.04	1015.04	1015.10	1015.10	1015.02	1015.04
	2	1014.94	1014.87	1014.87	1014.93	1014.98	1015.03	1015.03	1014.99	1014.96	1014.93	1014.89	1014.88	1014.94
	3	1014.90	1014.88	1014.83	1014.83	1014.83	1014.82	1014.85	1014.86	1014.89	1014.90	1014.84	1014.80	1014.85
	4	1014.80	1014.85	1014.90	1014.88	1014.88	1014.93	1014.99	1015.03	1015.11	1015.20	1015.23	1015.27	1015.01
	5	1015.35	1015.40	1015.43	1015.49	1015.53	1015.55	1015.56	1015.59	1015.61	1015.63	1015.64	1015.61	1015.53
	6	1015.57	1015.53	1015.49	1015.49	1015.52	1015.55	1015.54	1015.52	1015.51	1015.53	1015.53	1015.59	1015.53
	7	1015.68	1015.75	1015.77	1015.79	1015.84	1015.92	1015.98	1016.01	1016.02	1016.01	1016.00	1016.00	1015.90
	8	1016.02	1016.09	1016.16	1016.21	1016.23	1016.24	1016.25	1016.25	1016.26	1016.24	1016.19	1016.14	1016.19
	9	1016.10	1016.05	1016.04	1016.05	1016.03	1016.01	1015.97	1015.94	1015.91	1015.88	1015.86	1015.83	1015.97
	10	1015.85	1015.89	1015.89	1015.88	1015.87	1015.86	1015.87	1015.88	1015.84	1015.80	1015.81	1015.85	1015.86
	11	1015.86	1015.83	1015.81	1015.87	1015.94	1015.95	1015.95	1015.98	1015.99	1015.96	1015.96	1015.98	1015.92
	12	1016.03	1016.04	1016.02	1015.99	1015.99	1016.03	1016.05	1016.06	1016.05	1016.05	1016.04	1016.00	1016.03
	13	1015.98	1015.99	1015.97	1015.93	1015.87	1015.84	1015.82	1015.79	1015.74	1015.69	1015.64	1015.62	1015.82
	14	1015.60	1015.56	1015.52	1015.46	1015.40	1015.35	1015.28	1015.17	1015.14	1015.15	1015.12	1015.11	1015.32
	15	1015.15	1015.22	1015.27	1015.28	1015.25	1015.22	1015.17	1015.13	1015.14	1015.16	1015.17	1015.18	1015.19
	16	1015.19	1015.19	1015.19	1015.21	1015.22	1015.19	1015.16	1015.17	1015.19	1015.18	1015.13	1015.05	1015.17
	17	1015.01	1015.07	1015.16	1015.21	1015.23	1015.25	1015.26	1015.27	1015.27	1015.26	1015.31	1015.39	1015.22
	18	1015.40	1015.41	1015.45	1015.40	1015.33	1015.31	1015.37	1015.40	1015.38	1015.33	1015.27	1015.26	1015.36
	19	1015.28	1015.36	1015.50	1015.64	1015.72	1015.66	1015.59	1015.62	1015.63	1015.68	1015.76	1015.84	1015.61
	20	1015.86	1015.84	1015.89	1015.94	1015.87	1015.77	1015.76	1015.72	1015.61	1015.51	1015.43	1015.36	1015.71
	21	1015.32	1015.36	1015.43	1015.50	1015.56	1015.53	1015.45	1015.43	1015.44	1015.42	1015.41	1015.47	1015.44
	22	1015.52	1015.49	1015.41	1015.26	1015.08	1014.97	1014.86	1014.77	1014.77	1014.84	1014.95	1015.01	1015.08
	23	1015.04	1015.06	1015.04	1014.96	1014.85	1014.80	1014.71	1014.58	1014.52	1014.56	1014.58	1014.47	1014.76
12	0	1014.53	1014.54	1014.57	1014.64	1014.72	1014.70	1014.59	1014.42	1014.20	1014.15	1014.24	1014.22	1014.46
	1	1014.20	1014.28	1014.27	1014.16	1014.18	1014.17	1014.05	1013.98	1014.00	1014.02	1013.90	1013.81	1014.08
	2	1013.84	1013.81	1013.70	1013.63	1013.60	1013.59	1013.55	1013.45	1013.38	1013.35	1013.20	1013.04	1013.51
	3	1012.99	1012.98	1012.95	1012.95	1012.94	1012.92	1012.94	1012.99	1013.08	1013.16	1013.13	1013.08	1013.01
	4	1013.11	1013.12	1013.07	1013.03	1013.01	1013.09	1013.20	1013.28	1013.32	1013.32	1013.33	1013.41	1013.19
	5	1013.51	1013.53	1013.56	1013.64	1013.70	1013.73	1013.77	1013.81	1013.85	1013.87	1013.87	1013.87	1013.72
	6	1013.89	1013.94	1013.95	1013.96	1014.00	1014.05	1014.04	1013.94	1013.83	1013.76	1013.68	1013.57	1013.88
	7	1013.55	1013.58	1013.60	1013.59	1013.56	1013.55	1013.53	1013.50	1013.49	1013.49	1013.50	1013.51	1013.54
	8	1013.52	1013.53	1013.54	1013.56	1013.53	1013.48	1013.47	1013.51	1013.55	1013.56	1013.55	1013.57	1013.53
	9	1013.60	1013.66	1013.72	1013.77	1013.79	1013.80	1013.82	1013.85	1013.89	1013.91	1013.90	1013.91	1013.80
	10	1013.89	1013.84	1013.83	1013.83	1013.84	1013.87	1013.88	1013.84	1013.79	1013.78	1013.84	1013.90	1013.84
	11	1013.93	1013.91	1013.88	1013.89	1013.92	1013.97	1014.08	1014.18	1014.20	1014.21	1014.23	1014.21	1014.05
	12	1014.21	1014.23	1014.29	1014.40	1014.47	1014.42	1014.28	1014.20	1014.19	1014.18	1014.27	1014.36	1014.29
	13	1014.31	1014.17	1014.08	1014.07	1014.00	1013.92	1013.90	1013.86	1013.76	1013.67	1013.64	1013.61	1013.92
	14	1013.55	1013.45	1013.39	1013.35	1013.29	1013.24	1013.19	1013.13	1013.10	1013.04	1013.00	1013.01	1013.23
	15	1013.03	1013.04	1013.03	1013.01	1013.02	1013.04	1013.03	1012.97	1012.92	1012.93	1012.98	1013.03	1013.00
	16	1013.05	1013.03	1013.03	1013.05	1013.06	1013.07	1013.06	1013.06	1013.07	1013.07	1013.10	1013.12	1013.06
	17	1013.11	1013.12	1013.15	1013.15	1013.17	1013.25	1013.35	1013.43	1013.51	1013.61	1013.69	1013.75	1013.36
	18	1013.82	1013.89	1013.95	1013.99	1014.02	1014.03	1014.04	1014.05	1014.06	1014.12	1014.22	1014.29	1014.04
	19	1014.33	1014.35	1014.35	1014.40	1014.46	1014.51	1014.56	1014.62	1014.64	1014.67	1014.74	1014.82	1014.54
	20	1014.85	1014.85	1014.84	1014.85	1014.87	1014.89	1014.94	1015.00	1015.03	1015.05	1015.05	1015.06	1014.94
	21	1015.06	1015.09	1015.16	1015.23	1015.26	1015.27	1015.32	1015.39	1015.44	1015.47	1015.47	1015.49	1015.30
	22	1015.53	1015.56	1015.55	1015.53	1015.53	1015.53	1015.51	1015.45	1015.43	1015.46	1015.51	1015.58	1015.51
	23	1015.65	1015.70	1015.71	1015.70	1015.65	1015.58	1015.51	1015.50	1015.54	1015.59	1015.67	1015.74	1015.63

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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	1015.71	1015.75	1015.77	1015.77	1015.78	1015.81	1015.87	1015.94	1016.01	1016.02	1016.01	1016.06	1015.88
	1	1016.11	1016.08	1016.05	1016.07	1016.11	1016.16	1016.16	1016.14	1016.15	1016.19	1016.26	1016.34	1016.15
	2	1016.40	1016.47	1016.52	1016.54	1016.52	1016.50	1016.53	1016.58	1016.61	1016.60	1016.53	1016.46	1016.52
	3	1016.40	1016.34	1016.42	1016.57	1016.61	1016.63	1016.67	1016.67	1016.70	1016.73	1016.75	1016.79	1016.60
	4	1016.83	1016.85	1016.84	1016.82	1016.86	1016.91	1016.99	1017.12	1017.17	1017.16	1017.17	1017.20	1016.99
	5	1017.24	1017.29	1017.31	1017.33	1017.45	1017.58	1017.69	1017.81	1017.94	1018.07	1018.16	1018.26	1017.68
	6	1018.35	1018.42	1018.49	1018.55	1018.61	1018.66	1018.72	1018.81	1018.83	1018.84	1018.86	1018.85	1018.66
	7	1018.86	1018.91	1018.99	1019.08	1019.11	1019.13	1019.20	1019.19	1019.19	1019.26	1019.29	1019.29	1019.12
	8	1019.30	1019.28	1019.29	1019.35	1019.41	1019.50	1019.61	1019.73	1019.84	1019.91	1019.97	1019.99	1019.60
	9	1020.00	1020.07	1020.14	1020.24	1020.31	1020.34	1020.40	1020.43	1020.42	1020.40	1020.43	1020.49	1020.30
	10	1020.51	1020.49	1020.47	1020.48	1020.47	1020.43	1020.44	1020.45	1020.44	1020.42	1020.39	1020.35	1020.44
	11	1020.27	1020.22	1020.23	1020.22	1020.18	1020.12	1020.06	1020.03	1020.02	1020.06	1020.14	1020.19	1020.14
	12	1020.19	1020.20	1020.27	1020.33	1020.35	1020.31	1020.29	1020.29	1020.30	1020.33	1020.34	1020.34	1020.29
	13	1020.34	1020.35	1020.38	1020.38	1020.34	1020.30	1020.24	1020.23	1020.22	1020.21	1020.23	1020.23	1020.28
	14	1020.26	1020.32	1020.37	1020.39	1020.34	1020.35	1020.43	1020.47	1020.50	1020.51	1020.56	1020.60	1020.42
	15	1020.62	1020.66	1020.69	1020.71	1020.70	1020.71	1020.73	1020.70	1020.67	1020.67	1020.71	1020.76	1020.69
	16	1020.78	1020.80	1020.84	1020.87	1020.85	1020.79	1020.74	1020.71	1020.72	1020.78	1020.82	1020.86	1020.79
	17	1020.93	1021.02	1021.08	1021.14	1021.18	1021.22	1021.26	1021.27	1021.30	1021.34	1021.39	1021.44	1021.21
	18	1021.49	1021.57	1021.67	1021.77	1021.85	1021.92	1021.98	1022.01	1022.04	1022.09	1022.14	1022.25	1021.90
	19	1022.38	1022.49	1022.56	1022.63	1022.71	1022.77	1022.79	1022.81	1022.86	1022.91	1022.93	1022.95	1022.73
	20	1023.03	1023.10	1023.10	1023.18	1023.26	1023.28	1023.31	1023.32	1023.36	1023.42	1023.48	1023.55	1023.28
	21	1023.59	1023.61	1023.63	1023.61	1023.58	1023.53	1023.50	1023.51	1023.51	1023.53	1023.58	1023.62	1023.56
	22	1023.68	1023.79	1023.85	1023.84	1023.87	1023.92	1023.88	1023.83	1023.84	1023.85	1023.85	1023.83	1023.83
	23	1023.81	1023.84	1023.87	1023.86	1023.85	1023.85	1023.88	1023.94	1023.99	1024.02	1024.03	1024.03	1023.91
14	0	1024.06	1024.06	1024.05	1024.02	1023.98	1023.94	1023.93	1023.93	1023.92	1023.92	1023.95	1023.94	1023.97
	1	1023.91	1023.89	1023.90	1023.91	1023.90	1023.91	1023.91	1023.92	1023.93	1023.90	1023.89	1023.93	1023.91
	2	1023.98	1024.01	1024.03	1024.02	1024.00	1024.00	1024.01	1023.99	1023.96	1023.95	1023.95	1023.96	1023.99
	3	1023.95	1023.94	1023.94	1023.94	1023.99	1024.06	1024.09	1024.10	1024.08	1024.08	1024.13	1024.17	1024.04
	4	1024.16	1024.16	1024.20	1024.24	1024.28	1024.29	1024.29	1024.35	1024.44	1024.50	1024.51	1024.53	1024.33
	5	1024.58	1024.63	1024.64	1024.64	1024.66	1024.73	1024.80	1024.85	1024.90	1024.94	1024.99	1025.01	1024.78
	6	1025.03	1025.07	1025.11	1025.17	1025.23	1025.27	1025.28	1025.26	1025.28	1025.29	1025.30	1025.30	1025.21
	7	1025.31	1025.33	1025.35	1025.37	1025.36	1025.33	1025.29	1025.26	1025.25	1025.27	1025.30	1025.32	1025.31
	8	1025.33	1025.35	1025.39	1025.44	1025.46	1025.45	1025.42	1025.42	1025.44	1025.45	1025.47	1025.49	1025.42
	9	1025.49	1025.50	1025.54	1025.57	1025.58	1025.59	1025.60	1025.59	1025.60	1025.60	1025.59	1025.58	1025.57
	10	1025.54	1025.47	1025.39	1025.34	1025.31	1025.28	1025.24	1025.18	1025.12	1025.10	1025.09	1025.09	1025.26
	11	1025.07	1025.03	1024.99	1024.93	1024.87	1024.83	1024.81	1024.80	1024.75	1024.69	1024.63	1024.56	1024.83
	12	1024.52	1024.49	1024.51	1024.47	1024.39	1024.38	1024.36	1024.32	1024.32	1024.29	1024.22	1024.16	1024.37
	13	1024.10	1024.06	1024.04	1024.03	1024.00	1023.96	1023.91	1023.84	1023.79	1023.77	1023.75	1023.73	1023.91
	14	1023.70	1023.67	1023.68	1023.68	1023.66	1023.64	1023.59	1023.59	1023.60	1023.59	1023.58	1023.54	1023.62
	15	1023.49	1023.48	1023.47	1023.47	1023.46	1023.44	1023.43	1023.43	1023.44	1023.46	1023.46	1023.45	1023.45
	16	1023.43	1023.42	1023.40	1023.39	1023.37	1023.34	1023.32	1023.29	1023.30	1023.33	1023.35	1023.38	1023.36
	17	1023.41	1023.45	1023.48	1023.48	1023.46	1023.43	1023.39	1023.36	1023.35	1023.37	1023.37	1023.35	1023.41
	18	1023.39	1023.43	1023.45	1023.50	1023.53	1023.55	1023.58	1023.60	1023.62	1023.64	1023.67	1023.70	1023.55
	19	1023.72	1023.71	1023.73	1023.76	1023.79	1023.84	1023.91	1023.97	1024.02	1024.04	1024.02	1024.03	1023.88
	20	1024.05	1024.05	1024.04	1024.03	1024.02	1024.00	1023.96	1023.94	1023.92	1023.91	1023.86	1023.81	1023.96
	21	1023.78	1023.74	1023.73	1023.73	1023.75	1023.77	1023.78	1023.80	1023.80	1023.79	1023.78	1023.77	1023.77
	22	1023.75	1023.73	1023.71	1023.70	1023.67	1023.63	1023.62	1023.61	1023.60	1023.60	1023.57	1023.55	1023.64
	23	1023.54	1023.53	1023.52	1023.53	1023.56	1023.57	1023.58	1023.59	1023.56	1023.52	1023.51	1023.47	1023.54

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1023.39	1023.37	1023.35	1023.35	1023.33	1023.28	1023.21	1023.18	1023.16	1023.14	1023.12	1023.11	1023.24
	1	1023.09	1023.10	1023.11	1023.09	1023.07	1023.05	1023.04	1023.05	1023.07	1023.07	1023.05	1023.05	1023.07
	2	1023.03	1023.02	1023.03	1023.01	1023.00	1023.00	1022.98	1022.95	1022.96	1022.95	1022.89	1022.88	1022.97
	3	1022.91	1022.88	1022.85	1022.83	1022.83	1022.84	1022.84	1022.83	1022.79	1022.74	1022.75	1022.80	1022.82
	4	1022.83	1022.82	1022.84	1022.90	1022.92	1022.93	1022.94	1022.95	1022.94	1022.96	1022.98	1022.98	1022.91
	5	1022.96	1022.96	1022.98	1022.98	1022.99	1023.00	1023.01	1023.02	1023.04	1023.03	1023.02	1023.06	1023.00
	6	1023.09	1023.09	1023.06	1022.99	1022.94	1022.91	1022.90	1022.92	1022.92	1022.89	1022.87	1022.87	1022.95
	7	1022.86	1022.83	1022.80	1022.81	1022.80	1022.78	1022.76	1022.74	1022.74	1022.71	1022.68	1022.64	1022.76
	8	1022.63	1022.64	1022.63	1022.62	1022.59	1022.56	1022.56	1022.54	1022.51	1022.49	1022.47	1022.44	1022.55
	9	1022.41	1022.38	1022.34	1022.29	1022.21	1022.12	1022.06	1021.96	1021.88	1021.85	1021.82	1021.79	1022.09
	10	1021.77	1021.74	1021.69	1021.64	1021.57	1021.51	1021.44	1021.38	1021.32	1021.25	1021.22	1021.18	1021.47
	11	1021.13	1021.08	1021.05	1021.02	1021.00	1020.98	1020.96	1020.93	1020.91	1020.89	1020.85	1020.78	1020.96
	12	1020.73	1020.70	1020.66	1020.57	1020.48	1020.42	1020.38	1020.32	1020.24	1020.20	1020.18	1020.14	1020.42
	13	1020.11	1020.08	1020.02	1019.97	1019.92	1019.85	1019.80	1019.77	1019.74	1019.67	1019.60	1019.54	1019.84
	14	1019.50	1019.45	1019.38	1019.34	1019.32	1019.29	1019.28	1019.26	1019.23	1019.28	1019.35	1019.38	1019.33
	15	1019.38	1019.36	1019.34	1019.32	1019.27	1019.23	1019.26	1019.28	1019.24	1019.20	1019.19	1019.21	1019.27
	16	1019.17	1019.15	1019.16	1019.12	1019.08	1019.09	1019.10	1019.12	1019.17	1019.20	1019.23	1019.23	1019.15
	17	1019.21	1019.20	1019.21	1019.25	1019.28	1019.27	1019.26	1019.28	1019.34	1019.40	1019.45	1019.47	1019.30
	18	1019.48	1019.51	1019.55	1019.56	1019.56	1019.56	1019.63	1019.74	1019.81	1019.84	1019.85	1019.87	1019.66
	19	1019.87	1019.86	1019.88	1019.94	1019.98	1020.04	1020.09	1020.09	1020.07	1020.08	1020.09	1020.10	1020.01
	20	1020.14	1020.16	1020.17	1020.20	1020.22	1020.24	1020.24	1020.22	1020.23	1020.21	1020.19	1020.23	1020.20
	21	1020.28	1020.31	1020.35	1020.37	1020.41	1020.44	1020.43	1020.41	1020.39	1020.35	1020.29	1020.24	1020.35
	22	1020.21	1020.20	1020.17	1020.16	1020.17	1020.14	1020.14	1020.17	1020.20	1020.21	1020.22	1020.18	1020.18
	23	1020.15	1020.15	1020.13	1020.09	1020.05	1019.99	1019.96	1019.93	1019.88	1019.82	1019.80	1019.80	1019.98
16	0	1019.80	1019.76	1019.71	1019.65	1019.57	1019.53	1019.53	1019.54	1019.57	1019.55	1019.51	1019.47	1019.59
	1	1019.42	1019.37	1019.34	1019.34	1019.34	1019.35	1019.37	1019.37	1019.35	1019.37	1019.40	1019.39	1019.37
	2	1019.35	1019.29	1019.23	1019.21	1019.23	1019.24	1019.23	1019.24	1019.25	1019.26	1019.24	1019.22	1019.25
	3	1019.24	1019.26	1019.24	1019.23	1019.25	1019.25	1019.23	1019.22	1019.24	1019.25	1019.28	1019.33	1019.25
	4	1019.37	1019.39	1019.38	1019.32	1019.33	1019.38	1019.42	1019.45	1019.46	1019.46	1019.49	1019.55	1019.41
	5	1019.64	1019.75	1019.79	1019.81	1019.84	1019.83	1019.80	1019.80	1019.82	1019.86	1019.92	1019.95	1019.82
	6	1019.98	1020.02	1020.02	1020.00	1020.02	1020.09	1020.19	1020.27	1020.31	1020.31	1020.28	1020.28	1020.14
	7	1020.28	1020.30	1020.34	1020.31	1020.26	1020.24	1020.21	1020.18	1020.18	1020.18	1020.20	1020.22	1020.24
	8	1020.19	1020.17	1020.16	1020.14	1020.14	1020.16	1020.19	1020.24	1020.25	1020.24	1020.24	1020.20	1020.19
	9	1020.15	1020.13	1020.10	1020.04	1020.00	1019.95	1019.90	1019.89	1019.88	1019.85	1019.84	1019.84	1019.96
	10	1019.81	1019.77	1019.73	1019.68	1019.64	1019.59	1019.50	1019.44	1019.41	1019.39	1019.39	1019.37	1019.56
	11	1019.35	1019.34	1019.34	1019.32	1019.30	1019.30	1019.32	1019.34	1019.32	1019.28	1019.25	1019.23	1019.30
	12	1019.19	1019.17	1019.15	1019.12	1019.10	1019.10	1019.07	1019.05	1019.00	1018.96	1018.97	1018.95	1019.07
	13	1018.88	1018.81	1018.74	1018.66	1018.60	1018.56	1018.52	1018.50	1018.49	1018.50	1018.52	1018.54	1018.61
	14	1018.54	1018.50	1018.48	1018.50	1018.55	1018.58	1018.58	1018.58	1018.55	1018.51	1018.50	1018.46	1018.52
	15	1018.45	1018.49	1018.50	1018.52	1018.55	1018.57	1018.55	1018.58	1018.59	1018.53	1018.49	1018.52	1018.53
	16	1018.56	1018.55	1018.58	1018.61	1018.61	1018.54	1018.47	1018.46	1018.47	1018.48	1018.51	1018.58	1018.53
	17	1018.64	1018.67	1018.73	1018.80	1018.85	1018.93	1018.98	1019.01	1019.10	1019.17	1019.22	1019.27	1018.95
	18	1019.36	1019.46	1019.55	1019.61	1019.68	1019.76	1019.81	1019.86	1019.94	1019.96	1019.92	1019.86	1019.73
	19	1019.84	1019.89	1019.92	1019.93	1019.98	1020.03	1020.05	1020.06	1020.08	1020.09	1020.11	1020.17	1020.01
	20	1020.23	1020.26	1020.25	1020.24	1020.22	1020.24	1020.31	1020.37	1020.40	1020.41	1020.39	1020.40	1020.31
	21	1020.46	1020.45	1020.43	1020.46	1020.48	1020.47	1020.48	1020.49	1020.49	1020.49	1020.52	1020.54	1020.48
	22	1020.54	1020.58	1020.61	1020.61	1020.65	1020.64	1020.61	1020.61	1020.60	1020.58	1020.55	1020.56	1020.59
	23	1020.57	1020.55	1020.55	1020.58	1020.59	1020.58	1020.56	1020.52	1020.49	1020.47	1020.46	1020.44	1020.53

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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	1020.44	1020.43	1020.40	1020.37	1020.31	1020.27	1020.23	1020.22	1020.21	1020.20	1020.18	1020.16	1020.28
	1	1020.11	1020.06	1020.04	1020.02	1020.01	1020.01	1020.03	1020.05	1020.05	1020.04	1020.08	1020.17	1020.05
	2	1020.24	1020.30	1020.34	1020.35	1020.38	1020.42	1020.47	1020.49	1020.45	1020.44	1020.47	1020.51	1020.40
	3	1020.54	1020.51	1020.47	1020.47	1020.47	1020.44	1020.40	1020.37	1020.41	1020.47	1020.53	1020.56	1020.47
	4	1020.58	1020.58	1020.58	1020.62	1020.66	1020.68	1020.72	1020.76	1020.82	1020.90	1020.97	1021.03	1020.74
	5	1021.05	1021.04	1021.08	1021.15	1021.21	1021.25	1021.22	1021.21	1021.28	1021.33	1021.33	1021.35	1021.21
	6	1021.37	1021.40	1021.43	1021.43	1021.41	1021.40	1021.42	1021.45	1021.48	1021.49	1021.50	1021.51	1021.44
	7	1021.55	1021.63	1021.67	1021.69	1021.72	1021.73	1021.75	1021.77	1021.77	1021.76	1021.75	1021.75	1021.71
	8	1021.77	1021.80	1021.80	1021.80	1021.80	1021.80	1021.80	1021.80	1021.80	1021.81	1021.78	1021.72	1021.79
	9	1021.68	1021.68	1021.67	1021.66	1021.66	1021.65	1021.63	1021.62	1021.58	1021.54	1021.53	1021.49	1021.61
	10	1021.43	1021.39	1021.36	1021.34	1021.31	1021.25	1021.23	1021.22	1021.20	1021.18	1021.15	1021.09	1021.26
	11	1021.04	1020.98	1020.96	1020.96	1020.93	1020.91	1020.87	1020.82	1020.82	1020.80	1020.79	1020.79	1020.89
	12	1020.77	1020.77	1020.74	1020.68	1020.63	1020.53	1020.42	1020.42	1020.44	1020.38	1020.31	1020.23	1020.52
	13	1020.20	1020.21	1020.21	1020.20	1020.20	1020.23	1020.25	1020.25	1020.24	1020.21	1020.18	1020.11	1020.21
	14	1020.06	1020.00	1019.92	1019.86	1019.84	1019.84	1019.80	1019.77	1019.75	1019.73	1019.70	1019.68	1019.83
	15	1019.69	1019.72	1019.75	1019.75	1019.74	1019.74	1019.75	1019.78	1019.81	1019.81	1019.82	1019.86	1019.77
	16	1019.88	1019.84	1019.81	1019.80	1019.77	1019.73	1019.74	1019.75	1019.75	1019.76	1019.78	1019.82	1019.78
	17	1019.85	1019.85	1019.85	1019.88	1019.91	1019.91	1019.90	1019.91	1019.96	1020.00	1020.06	1020.13	1019.93
	18	1020.16	1020.17	1020.17	1020.19	1020.21	1020.22	1020.24	1020.25	1020.29	1020.36	1020.45	1020.54	1020.27
	19	1020.55	1020.51	1020.51	1020.52	1020.52	1020.52	1020.50	1020.49	1020.48	1020.51	1020.56	1020.57	1020.52
	20	1020.51	1020.44	1020.41	1020.38	1020.37	1020.38	1020.36	1020.36	1020.42	1020.44	1020.44	1020.44	1020.41
	21	1020.44	1020.46	1020.48	1020.52	1020.59	1020.61	1020.60	1020.59	1020.61	1020.64	1020.68	1020.68	1020.57
	22	1020.61	1020.59	1020.61	1020.60	1020.57	1020.57	1020.60	1020.60	1020.61	1020.62	1020.65	1020.72	1020.61
	23	1020.79	1020.80	1020.79	1020.76	1020.69	1020.62	1020.58	1020.54	1020.51	1020.51	1020.51	1020.49	1020.63
18	0	1020.40	1020.39	1020.36	1020.34	1020.33	1020.32	1020.28	1020.26	1020.30	1020.34	1020.37	1020.39	1020.34
	1	1020.40	1020.43	1020.46	1020.46	1020.43	1020.38	1020.36	1020.38	1020.36	1020.31	1020.30	1020.29	1020.38
	2	1020.27	1020.24	1020.18	1020.14	1020.09	1020.02	1019.99	1019.99	1020.00	1020.01	1019.98	1019.93	1020.07
	3	1019.89	1019.87	1019.85	1019.86	1019.85	1019.83	1019.84	1019.85	1019.85	1019.84	1019.82	1019.78	1019.84
	4	1019.75	1019.70	1019.63	1019.59	1019.60	1019.61	1019.62	1019.62	1019.60	1019.60	1019.64	1019.70	1019.64
	5	1019.74	1019.77	1019.80	1019.82	1019.83	1019.83	1019.85	1019.85	1019.81	1019.79	1019.81	1019.82	1019.81
	6	1019.84	1019.87	1019.89	1019.89	1019.88	1019.88	1019.87	1019.82	1019.78	1019.78	1019.79	1019.79	1019.84
	7	1019.79	1019.82	1019.84	1019.85	1019.84	1019.82	1019.79	1019.77	1019.78	1019.77	1019.74	1019.74	1019.79
	8	1019.75	1019.76	1019.77	1019.74	1019.68	1019.65	1019.65	1019.66	1019.64	1019.62	1019.61	1019.59	1019.67
	9	1019.58	1019.58	1019.58	1019.58	1019.57	1019.54	1019.50	1019.44	1019.39	1019.36	1019.33	1019.30	1019.48
	10	1019.27	1019.24	1019.21	1019.17	1019.12	1019.08	1019.04	1019.02	1019.00	1018.98	1018.96	1018.91	1019.08
	11	1018.86	1018.82	1018.77	1018.74	1018.71	1018.65	1018.60	1018.60	1018.59	1018.56	1018.51	1018.45	1018.65
	12	1018.39	1018.31	1018.24	1018.17	1018.12	1018.05	1017.96	1017.87	1017.81	1017.76	1017.70	1017.66	1018.00
	13	1017.60	1017.52	1017.47	1017.42	1017.35	1017.27	1017.21	1017.19	1017.18	1017.14	1017.13	1017.13	1017.30
	14	1017.09	1017.09	1017.07	1017.03	1016.98	1016.92	1016.88	1016.86	1016.86	1016.83	1016.77	1016.72	1016.92
	15	1016.66	1016.59	1016.56	1016.56	1016.55	1016.51	1016.48	1016.46	1016.44	1016.41	1016.37	1016.35	1016.49
	16	1016.34	1016.35	1016.32	1016.28	1016.28	1016.31	1016.36	1016.37	1016.34	1016.32	1016.35	1016.40	1016.33
	17	1016.43	1016.43	1016.42	1016.40	1016.40	1016.41	1016.43	1016.47	1016.52	1016.57	1016.62	1016.67	1016.48
	18	1016.71	1016.71	1016.64	1016.58	1016.57	1016.61	1016.64	1016.68	1016.74	1016.80	1016.83	1016.86	1016.70
	19	1016.93	1016.98	1016.98	1016.96	1016.98	1017.01	1017.01	1017.00	1016.99	1016.96	1016.91	1016.87	1016.96
	20	1016.88	1016.89	1016.90	1016.89	1016.85	1016.85	1016.85	1016.81	1016.74	1016.66	1016.62	1016.62	1016.79
	21	1016.64	1016.66	1016.66	1016.62	1016.57	1016.52	1016.50	1016.51	1016.53	1016.55	1016.56	1016.54	1016.57
	22	1016.50	1016.47	1016.50	1016.52	1016.49	1016.49	1016.54	1016.57	1016.58	1016.62	1016.64	1016.61	1016.54
	23	1016.55	1016.52	1016.52	1016.51	1016.44	1016.40	1016.38	1016.34	1016.30	1016.26	1016.21	1016.18	1016.38

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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	1016.08	1016.07	1016.04	1015.96	1015.88	1015.82	1015.78	1015.75	1015.76	1015.76	1015.73	1015.70	1015.85
	1	1015.66	1015.62	1015.58	1015.57	1015.55	1015.50	1015.42	1015.40	1015.42	1015.41	1015.38	1015.35	1015.48
	2	1015.31	1015.27	1015.21	1015.16	1015.08	1015.01	1014.97	1014.94	1014.92	1014.87	1014.83	1014.80	1015.03
	3	1014.76	1014.74	1014.73	1014.73	1014.74	1014.73	1014.70	1014.69	1014.71	1014.75	1014.78	1014.78	1014.74
	4	1014.79	1014.80	1014.82	1014.85	1014.87	1014.88	1014.93	1014.98	1015.01	1015.03	1015.03	1015.02	1014.92
	5	1015.04	1015.10	1015.17	1015.17	1015.16	1015.19	1015.23	1015.29	1015.34	1015.35	1015.33	1015.30	1015.22
	6	1015.28	1015.28	1015.29	1015.31	1015.34	1015.34	1015.33	1015.33	1015.31	1015.30	1015.32	1015.35	1015.31
	7	1015.36	1015.34	1015.33	1015.35	1015.38	1015.39	1015.39	1015.40	1015.40	1015.39	1015.37	1015.33	1015.37
	8	1015.28	1015.23	1015.16	1015.13	1015.12	1015.11	1015.07	1015.02	1015.01	1014.98	1014.94	1014.87	1015.07
	9	1014.82	1014.79	1014.76	1014.74	1014.72	1014.68	1014.63	1014.59	1014.56	1014.53	1014.47	1014.39	1014.64
	10	1014.35	1014.32	1014.27	1014.19	1014.11	1014.04	1013.95	1013.90	1013.87	1013.85	1013.82	1013.79	1014.04
	11	1013.78	1013.79	1013.80	1013.80	1013.77	1013.71	1013.68	1013.68	1013.66	1013.65	1013.63	1013.60	1013.71
	12	1013.56	1013.54	1013.51	1013.46	1013.42	1013.37	1013.30	1013.25	1013.23	1013.19	1013.15	1013.10	1013.34
	13	1013.04	1013.00	1012.94	1012.92	1012.88	1012.80	1012.78	1012.80	1012.82	1012.81	1012.81	1012.80	1012.86
	14	1012.83	1012.83	1012.79	1012.76	1012.77	1012.80	1012.80	1012.79	1012.79	1012.81	1012.83	1012.81	1012.80
	15	1012.77	1012.72	1012.70	1012.68	1012.62	1012.54	1012.55	1012.63	1012.68	1012.70	1012.69	1012.68	1012.66
	16	1012.66	1012.63	1012.61	1012.60	1012.61	1012.65	1012.70	1012.74	1012.76	1012.76	1012.75	1012.72	1012.68
	17	1012.72	1012.73	1012.74	1012.77	1012.84	1012.92	1012.96	1012.99	1013.02	1013.03	1013.03	1013.02	1012.90
	18	1013.02	1013.01	1013.02	1013.07	1013.14	1013.21	1013.31	1013.39	1013.48	1013.59	1013.66	1013.72	1013.30
	19	1013.79	1013.83	1013.86	1013.94	1013.99	1013.99	1014.04	1014.07	1014.03	1013.98	1013.94	1013.94	1013.95
	20	1013.92	1013.86	1013.83	1013.81	1013.79	1013.78	1013.79	1013.78	1013.77	1013.76	1013.76	1013.78	1013.80
	21	1013.80	1013.82	1013.84	1013.86	1013.87	1013.88	1013.88	1013.88	1013.86	1013.85	1013.86	1013.85	1013.85
	22	1013.84	1013.87	1013.92	1013.92	1013.90	1013.91	1013.93	1013.94	1013.96	1013.99	1013.99	1014.00	1013.93
	23	1014.02	1014.03	1014.04	1014.03	1014.01	1013.98	1013.95	1013.94	1013.92	1013.90	1013.86	1013.81	1013.95
20	0	1013.73	1013.71	1013.68	1013.67	1013.69	1013.71	1013.70	1013.68	1013.66	1013.65	1013.60	1013.57	1013.67
	1	1013.55	1013.53	1013.55	1013.56	1013.55	1013.56	1013.58	1013.59	1013.57	1013.59	1013.66	1013.66	1013.58
	2	1013.63	1013.59	1013.58	1013.62	1013.67	1013.67	1013.64	1013.61	1013.55	1013.53	1013.51	1013.52	1013.59
	3	1013.57	1013.64	1013.71	1013.71	1013.68	1013.64	1013.60	1013.59	1013.58	1013.53	1013.50	1013.51	1013.60
	4	1013.58	1013.67	1013.75	1013.84	1013.91	1013.97	1014.02	1014.03	1014.03	1014.04	1014.03	1014.02	1013.91
	5	1014.05	1014.05	1014.05	1014.11	1014.17	1014.21	1014.26	1014.30	1014.31	1014.34	1014.33	1014.36	1014.21
	6	1014.46	1014.50	1014.52	1014.55	1014.56	1014.57	1014.61	1014.61	1014.58	1014.57	1014.58	1014.60	1014.56
	7	1014.61	1014.61	1014.64	1014.70	1014.74	1014.77	1014.80	1014.85	1014.91	1014.98	1015.03	1015.06	1014.81
	8	1015.07	1015.09	1015.15	1015.20	1015.23	1015.25	1015.24	1015.25	1015.30	1015.33	1015.36	1015.38	1015.23
	9	1015.41	1015.45	1015.47	1015.47	1015.45	1015.45	1015.46	1015.48	1015.51	1015.56	1015.55	1015.52	1015.48
	10	1015.56	1015.56	1015.52	1015.51	1015.50	1015.47	1015.47	1015.45	1015.43	1015.43	1015.42	1015.41	1015.48
	11	1015.38	1015.40	1015.42	1015.40	1015.36	1015.30	1015.28	1015.32	1015.34	1015.32	1015.38	1015.47	1015.36
	12	1015.48	1015.50	1015.52	1015.47	1015.46	1015.46	1015.47	1015.46	1015.45	1015.48	1015.47	1015.47	1015.47
	13	1015.44	1015.41	1015.41	1015.39	1015.34	1015.26	1015.23	1015.25	1015.25	1015.24	1015.26	1015.26	1015.31
	14	1015.24	1015.25	1015.32	1015.37	1015.35	1015.35	1015.37	1015.41	1015.39	1015.33	1015.32	1015.33	1015.33
	15	1015.37	1015.42	1015.44	1015.44	1015.46	1015.45	1015.38	1015.35	1015.32	1015.29	1015.31	1015.32	1015.38
	16	1015.31	1015.30	1015.30	1015.27	1015.20	1015.15	1015.13	1015.10	1015.11	1015.12	1015.12	1015.15	1015.19
	17	1015.18	1015.16	1015.19	1015.23	1015.25	1015.29	1015.33	1015.32	1015.29	1015.29	1015.27	1015.27	1015.25
	18	1015.31	1015.38	1015.44	1015.47	1015.50	1015.53	1015.54	1015.57	1015.60	1015.65	1015.69	1015.73	1015.53
	19	1015.77	1015.76	1015.74	1015.75	1015.76	1015.79	1015.86	1015.90	1015.91	1015.93	1015.94	1015.90	1015.83
	20	1015.86	1015.86	1015.84	1015.86	1015.92	1015.95	1015.96	1015.97	1015.98	1016.00	1016.02	1016.01	1015.93
	21	1015.96	1015.90	1015.85	1015.80	1015.80	1015.81	1015.83	1015.86	1015.89	1015.89	1015.89	1015.88	1015.86
	22	1015.84	1015.79	1015.76	1015.72	1015.70	1015.72	1015.74	1015.73	1015.72	1015.73	1015.74	1015.74	1015.74
	23	1015.70	1015.65	1015.61	1015.59	1015.55	1015.51	1015.52	1015.57	1015.55	1015.49	1015.45	1015.41	1015.55

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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	1015.41	1015.40	1015.37	1015.36	1015.34	1015.33	1015.31	1015.29	1015.25	1015.20	1015.17	1015.14	1015.29
	1	1015.13	1015.14	1015.15	1015.11	1015.04	1014.99	1014.97	1014.95	1014.92	1014.91	1014.89	1014.87	1015.00
	2	1014.87	1014.85	1014.81	1014.80	1014.78	1014.74	1014.70	1014.68	1014.70	1014.71	1014.71	1014.70	1014.75
	3	1014.67	1014.63	1014.56	1014.52	1014.54	1014.58	1014.60	1014.63	1014.67	1014.72	1014.76	1014.84	1014.64
	4	1014.95	1014.98	1014.97	1015.01	1015.05	1015.09	1015.15	1015.17	1015.20	1015.27	1015.33	1015.38	1015.13
	5	1015.42	1015.47	1015.54	1015.58	1015.56	1015.53	1015.55	1015.57	1015.57	1015.57	1015.55	1015.55	1015.54
	6	1015.58	1015.62	1015.66	1015.68	1015.71	1015.76	1015.81	1015.85	1015.85	1015.81	1015.74	1015.71	1015.73
	7	1015.71	1015.70	1015.68	1015.67	1015.66	1015.65	1015.69	1015.74	1015.74	1015.73	1015.75	1015.76	1015.70
	8	1015.75	1015.75	1015.75	1015.73	1015.76	1015.81	1015.85	1015.86	1015.82	1015.79	1015.81	1015.83	1015.79
	9	1015.80	1015.79	1015.79	1015.79	1015.77	1015.76	1015.78	1015.79	1015.78	1015.76	1015.73	1015.73	1015.77
	10	1015.73	1015.71	1015.71	1015.71	1015.67	1015.66	1015.65	1015.65	1015.67	1015.66	1015.61	1015.57	1015.67
	11	1015.57	1015.57	1015.55	1015.56	1015.55	1015.49	1015.43	1015.43	1015.41	1015.31	1015.26	1015.19	1015.44
	12	1015.11	1015.09	1015.05	1014.97	1014.92	1014.88	1014.80	1014.74	1014.73	1014.70	1014.58	1014.50	1014.84
	13	1014.48	1014.45	1014.39	1014.31	1014.23	1014.17	1014.09	1014.03	1013.97	1013.91	1013.87	1013.85	1014.14
	14	1013.84	1013.79	1013.72	1013.69	1013.68	1013.64	1013.62	1013.61	1013.58	1013.58	1013.62	1013.64	1013.66
	15	1013.59	1013.51	1013.46	1013.41	1013.34	1013.29	1013.26	1013.21	1013.19	1013.17	1013.14	1013.12	1013.30
	16	1013.12	1013.10	1013.08	1013.09	1013.09	1013.10	1013.13	1013.14	1013.15	1013.18	1013.17	1013.14	1013.12
	17	1013.13	1013.15	1013.16	1013.13	1013.11	1013.14	1013.19	1013.20	1013.19	1013.20	1013.21	1013.24	1013.17
	18	1013.27	1013.28	1013.29	1013.30	1013.33	1013.37	1013.40	1013.42	1013.45	1013.48	1013.49	1013.48	1013.38
	19	1013.51	1013.56	1013.62	1013.66	1013.67	1013.69	1013.69	1013.67	1013.65	1013.62	1013.56	1013.54	1013.62
	20	1013.55	1013.54	1013.52	1013.49	1013.48	1013.52	1013.52	1013.46	1013.39	1013.35	1013.30	1013.29	1013.45
	21	1013.28	1013.29	1013.31	1013.34	1013.37	1013.40	1013.48	1013.64	1013.72	1013.63	1013.54	1013.44	1013.45
	22	1013.37	1013.38	1013.39	1013.44	1013.48	1013.42	1013.32	1013.21	1013.14	1013.10	1013.06	1013.04	1013.28
	23	1012.96	1012.85	1012.78	1012.78	1012.77	1012.76	1012.78	1012.78	1012.66	1012.57	1012.53	1012.46	1012.72
22	0	1012.32	1012.29	1012.16	1012.02	1011.91	1011.85	1011.85	1011.87	1011.86	1011.81	1011.72	1011.67	1011.93
	1	1011.65	1011.65	1011.63	1011.64	1011.65	1011.61	1011.56	1011.50	1011.44	1011.39	1011.34	1011.22	1011.52
	2	1011.01	1010.86	1010.88	1010.93	1010.95	1010.93	1010.85	1010.88	1010.92	1010.86	1010.92	1011.06	1010.92
	3	1011.04	1010.96	1010.89	1010.77	1010.69	1010.69	1010.75	1010.82	1010.87	1010.85	1010.87	1010.95	1010.84
	4	1011.01	1010.99	1010.89	1010.86	1010.90	1010.98	1011.01	1011.05	1011.08	1011.10	1011.13	1011.17	1011.01
	5	1011.21	1011.23	1011.17	1011.11	1011.13	1011.14	1011.11	1011.11	1011.14	1011.20	1011.25	1011.28	1011.17
	6	1011.29	1011.29	1011.31	1011.32	1011.30	1011.28	1011.25	1011.23	1011.23	1011.28	1011.32	1011.35	1011.29
	7	1011.37	1011.36	1011.36	1011.36	1011.37	1011.39	1011.44	1011.51	1011.54	1011.53	1011.48	1011.43	1011.43
	8	1011.41	1011.43	1011.46	1011.50	1011.55	1011.55	1011.54	1011.54	1011.54	1011.60	1011.72	1011.84	1011.55
	9	1011.95	1012.03	1012.10	1012.20	1012.30	1012.36	1012.37	1012.34	1012.32	1012.34	1012.33	1012.28	1012.24
	10	1012.27	1012.27	1012.25	1012.24	1012.20	1012.14	1012.12	1012.12	1012.08	1012.05	1012.06	1012.09	1012.16
	11	1012.12	1012.12	1012.12	1012.11	1012.09	1012.08	1012.10	1012.15	1012.21	1012.21	1012.18	1012.19	1012.14
	12	1012.23	1012.21	1012.14	1012.11	1012.13	1012.16	1012.13	1012.08	1012.03	1012.00	1011.99	1011.99	1012.10
	13	1012.01	1011.98	1011.91	1011.84	1011.76	1011.68	1011.62	1011.55	1011.52	1011.50	1011.50	1011.58	1011.70
	14	1011.70	1011.80	1011.81	1011.81	1011.82	1011.77	1011.71	1011.67	1011.67	1011.72	1011.72	1011.71	1011.74
	15	1011.72	1011.75	1011.76	1011.73	1011.72	1011.73	1011.72	1011.71	1011.72	1011.74	1011.76	1011.77	1011.73
	16	1011.79	1011.82	1011.84	1011.86	1011.92	1011.97	1011.94	1011.90	1011.91	1011.99	1012.06	1012.11	1011.92
	17	1012.16	1012.22	1012.30	1012.38	1012.45	1012.53	1012.62	1012.73	1012.82	1012.86	1012.88	1012.90	1012.57
	18	1012.93	1012.98	1013.05	1013.11	1013.15	1013.20	1013.28	1013.36	1013.46	1013.62	1013.76	1013.86	1013.31
	19	1013.96	1014.05	1014.09	1014.14	1014.19	1014.24	1014.36	1014.51	1014.59	1014.62	1014.64	1014.70	1014.34
	20	1014.74	1014.80	1014.89	1014.92	1014.93	1014.93	1014.95	1014.96	1014.97	1014.99	1015.05	1015.15	1014.94
	21	1015.23	1015.28	1015.30	1015.35	1015.42	1015.47	1015.53	1015.58	1015.60	1015.64	1015.68	1015.72	1015.48
	22	1015.74	1015.78	1015.83	1015.91	1015.99	1016.02	1016.01	1016.01	1016.04	1016.09	1016.10	1016.11	1015.97
	23	1016.14	1016.13	1016.10	1016.07	1016.06	1016.06	1016.05	1016.04	1016.02	1016.00	1016.02	1016.09	1016.06

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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	1016.13	1016.11	1016.09	1016.12	1016.10	1016.05	1016.01	1015.98	1015.98	1015.99	1015.97	1015.97	1016.03
	1	1016.01	1016.06	1016.10	1016.15	1016.21	1016.24	1016.24	1016.24	1016.23	1016.20	1016.18	1016.18	1016.17
	2	1016.19	1016.22	1016.27	1016.32	1016.34	1016.37	1016.39	1016.41	1016.40	1016.39	1016.41	1016.45	1016.34
	3	1016.51	1016.59	1016.66	1016.74	1016.78	1016.79	1016.82	1016.84	1016.87	1016.91	1016.99	1017.08	1016.80
	4	1017.14	1017.14	1017.15	1017.21	1017.30	1017.36	1017.34	1017.31	1017.39	1017.52	1017.63	1017.71	1017.35
	5	1017.80	1017.87	1017.90	1017.93	1017.99	1018.04	1018.06	1018.09	1018.14	1018.21	1018.28	1018.33	1018.05
	6	1018.39	1018.46	1018.51	1018.56	1018.64	1018.71	1018.76	1018.79	1018.83	1018.88	1018.93	1018.98	1018.70
	7	1019.05	1019.14	1019.20	1019.21	1019.24	1019.31	1019.39	1019.44	1019.45	1019.49	1019.57	1019.65	1019.34
	8	1019.72	1019.76	1019.78	1019.83	1019.86	1019.87	1019.91	1019.95	1019.98	1020.00	1020.04	1020.07	1019.90
	9	1020.09	1020.11	1020.12	1020.11	1020.10	1020.12	1020.14	1020.17	1020.18	1020.19	1020.21	1020.23	1020.14
	10	1020.25	1020.24	1020.20	1020.17	1020.17	1020.18	1020.18	1020.21	1020.23	1020.20	1020.19	1020.17	1020.20
	11	1020.16	1020.15	1020.13	1020.14	1020.16	1020.20	1020.24	1020.24	1020.21	1020.20	1020.24	1020.29	1020.19
	12	1020.33	1020.31	1020.28	1020.28	1020.30	1020.35	1020.39	1020.43	1020.44	1020.42	1020.43	1020.44	1020.36
	13	1020.43	1020.40	1020.38	1020.39	1020.40	1020.39	1020.38	1020.36	1020.36	1020.38	1020.39	1020.39	1020.39
	14	1020.39	1020.37	1020.36	1020.38	1020.42	1020.45	1020.47	1020.48	1020.50	1020.55	1020.58	1020.56	1020.46
	15	1020.55	1020.56	1020.54	1020.51	1020.47	1020.43	1020.40	1020.42	1020.46	1020.49	1020.51	1020.54	1020.49
	16	1020.58	1020.61	1020.62	1020.62	1020.63	1020.65	1020.68	1020.72	1020.78	1020.83	1020.83	1020.82	1020.69
	17	1020.82	1020.83	1020.86	1020.89	1020.92	1020.93	1020.95	1020.98	1021.01	1021.05	1021.10	1021.16	1020.96
	18	1021.24	1021.35	1021.45	1021.53	1021.62	1021.70	1021.78	1021.86	1021.92	1021.97	1022.03	1022.10	1021.71
	19	1022.20	1022.29	1022.36	1022.43	1022.48	1022.51	1022.54	1022.58	1022.64	1022.70	1022.76	1022.80	1022.52
	20	1022.81	1022.85	1022.88	1022.87	1022.87	1022.89	1022.91	1022.96	1023.00	1023.01	1023.03	1023.07	1022.93
	21	1023.09	1023.12	1023.17	1023.21	1023.24	1023.28	1023.33	1023.37	1023.40	1023.44	1023.45	1023.46	1023.29
	22	1023.50	1023.53	1023.53	1023.55	1023.59	1023.61	1023.64	1023.67	1023.66	1023.66	1023.71	1023.75	1023.61
	23	1023.77	1023.76	1023.73	1023.68	1023.58	1023.54	1023.57	1023.58	1023.55	1023.50	1023.50	1023.52	1023.60
24	0	1023.55	1023.54	1023.54	1023.50	1023.47	1023.47	1023.42	1023.38	1023.43	1023.50	1023.51	1023.50	1023.48
	1	1023.51	1023.53	1023.54	1023.56	1023.58	1023.59	1023.60	1023.63	1023.64	1023.64	1023.62	1023.57	1023.58
	2	1023.57	1023.61	1023.66	1023.66	1023.64	1023.65	1023.65	1023.63	1023.65	1023.67	1023.67	1023.68	1023.64
	3	1023.68	1023.65	1023.66	1023.69	1023.68	1023.67	1023.68	1023.68	1023.72	1023.77	1023.80	1023.80	1023.71
	4	1023.81	1023.83	1023.88	1023.92	1023.93	1023.94	1023.98	1024.03	1024.04	1024.06	1024.12	1024.19	1023.98
	5	1024.24	1024.28	1024.28	1024.26	1024.30	1024.34	1024.37	1024.39	1024.41	1024.48	1024.53	1024.57	1024.37
	6	1024.64	1024.69	1024.67	1024.65	1024.68	1024.70	1024.70	1024.71	1024.72	1024.74	1024.77	1024.79	1024.70
	7	1024.82	1024.87	1024.91	1024.93	1024.92	1024.95	1025.03	1025.10	1025.17	1025.24	1025.25	1025.28	1025.04
	8	1025.32	1025.32	1025.32	1025.35	1025.40	1025.44	1025.45	1025.46	1025.48	1025.48	1025.51	1025.55	1025.42
	9	1025.55	1025.56	1025.60	1025.63	1025.64	1025.64	1025.63	1025.62	1025.60	1025.58	1025.56	1025.51	1025.59
	10	1025.51	1025.57	1025.58	1025.59	1025.59	1025.55	1025.52	1025.47	1025.41	1025.40	1025.41	1025.38	1025.50
	11	1025.32	1025.28	1025.24	1025.19	1025.20	1025.22	1025.23	1025.20	1025.13	1025.05	1024.97	1024.88	1025.16
	12	1024.80	1024.75	1024.71	1024.65	1024.58	1024.55	1024.52	1024.51	1024.51	1024.45	1024.37	1024.31	1024.56
	13	1024.23	1024.14	1024.13	1024.17	1024.16	1024.08	1024.00	1023.98	1023.95	1023.87	1023.81	1023.78	1024.02
	14	1023.72	1023.68	1023.73	1023.77	1023.72	1023.68	1023.67	1023.66	1023.65	1023.63	1023.60	1023.59	1023.67
	15	1023.57	1023.55	1023.52	1023.48	1023.47	1023.46	1023.44	1023.41	1023.37	1023.31	1023.28	1023.29	1023.43
	16	1023.25	1023.21	1023.20	1023.20	1023.22	1023.24	1023.23	1023.20	1023.20	1023.22	1023.22	1023.17	1023.21
	17	1023.16	1023.13	1023.08	1023.07	1023.08	1023.04	1022.97	1022.93	1022.97	1023.05	1023.09	1023.09	1023.05
	18	1023.15	1023.26	1023.32	1023.34	1023.38	1023.49	1023.59	1023.65	1023.65	1023.63	1023.69	1023.75	1023.49
	19	1023.85	1023.98	1024.02	1023.99	1023.97	1024.00	1024.00	1024.00	1024.00	1023.97	1023.99	1024.01	1023.98
	20	1023.97	1023.92	1023.87	1023.82	1023.78	1023.76	1023.73	1023.71	1023.70	1023.71	1023.73	1023.73	1023.78
	21	1023.72	1023.70	1023.67	1023.63	1023.59	1023.59	1023.58	1023.52	1023.47	1023.46	1023.50	1023.51	1023.58
	22	1023.50	1023.49	1023.48	1023.49	1023.50	1023.49	1023.52	1023.54	1023.46	1023.40	1023.40	1023.35	1023.47
	23	1023.32	1023.34	1023.34	1023.35	1023.40	1023.41	1023.39	1023.39	1023.35	1023.30	1023.24	1023.20	1023.33

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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	1023.12	1023.07	1023.01	1022.94	1022.89	1022.90	1022.91	1022.88	1022.86	1022.85	1022.83	1022.81	1022.91
	1	1022.86	1022.96	1023.04	1023.10	1023.17	1023.28	1023.41	1023.54	1023.63	1023.68	1023.75	1023.88	1023.36
	2	1024.00	1024.08	1024.12	1024.17	1024.23	1024.20	1024.12	1024.06	1024.04	1024.04	1024.06	1024.08	1024.10
	3	1024.05	1023.95	1023.84	1023.75	1023.63	1023.55	1023.57	1023.61	1023.58	1023.51	1023.48	1023.47	1023.66
	4	1023.46	1023.46	1023.43	1023.40	1023.41	1023.41	1023.41	1023.41	1023.36	1023.31	1023.25	1023.13	1023.37
	5	1023.00	1022.88	1022.75	1022.65	1022.66	1022.63	1022.47	1022.38	1022.48	1022.58	1022.53	1022.50	1022.62
	6	1022.59	1022.61	1022.53	1022.50	1022.53	1022.57	1022.55	1022.51	1022.50	1022.51	1022.53	1022.50	1022.53
	7	1022.43	1022.39	1022.37	1022.41	1022.41	1022.31	1022.29	1022.33	1022.31	1022.26	1022.21	1022.17	1022.32
	8	1022.17	1022.25	1022.33	1022.33	1022.34	1022.43	1022.58	1022.75	1022.87	1022.96	1023.05	1023.01	1022.59
	9	1022.91	1022.84	1022.86	1022.91	1022.94	1022.97	1023.02	1023.05	1023.07	1023.10	1023.12	1023.12	1022.99
	10	1023.14	1023.16	1023.14	1023.08	1023.02	1023.02	1023.03	1023.01	1022.99	1022.94	1022.87	1022.84	1023.02
	11	1022.80	1022.74	1022.70	1022.67	1022.64	1022.60	1022.64	1022.70	1022.70	1022.66	1022.62	1022.60	1022.67
	12	1022.58	1022.50	1022.39	1022.31	1022.21	1022.10	1021.97	1021.85	1021.75	1021.65	1021.58	1021.54	1022.03
	13	1021.49	1021.45	1021.41	1021.36	1021.30	1021.24	1021.19	1021.14	1021.09	1021.07	1021.05	1021.02	1021.23
	14	1020.96	1020.90	1020.89	1020.87	1020.79	1020.72	1020.74	1020.76	1020.73	1020.71	1020.68	1020.60	1020.78
	15	1020.54	1020.56	1020.60	1020.59	1020.60	1020.55	1020.49	1020.46	1020.42	1020.42	1020.43	1020.41	1020.50
	16	1020.36	1020.36	1020.36	1020.32	1020.26	1020.23	1020.24	1020.21	1020.17	1020.14	1020.12	1020.08	1020.23
	17	1020.06	1020.07	1020.01	1019.93	1019.88	1019.90	1019.92	1019.91	1019.91	1019.93	1019.94	1019.97	1019.95
	18	1019.98	1019.96	1019.96	1019.95	1019.95	1019.95	1019.93	1019.87	1019.77	1019.70	1019.66	1019.60	1019.85
	19	1019.51	1019.47	1019.44	1019.39	1019.35	1019.33	1019.29	1019.19	1019.06	1018.97	1018.85	1018.72	1019.21
	20	1018.63	1018.59	1018.55	1018.48	1018.50	1018.63	1018.85	1019.02	1019.07	1019.09	1019.07	1019.13	1018.80
	21	1019.28	1019.42	1019.53	1019.55	1019.41	1019.23	1019.18	1019.20	1019.23	1019.25	1019.30	1019.38	1019.33
	22	1019.41	1019.48	1019.51	1019.53	1019.54	1019.52	1019.54	1019.55	1019.60	1019.64	1019.65	1019.64	1019.55
	23	1019.61	1019.57	1019.51	1019.43	1019.39	1019.39	1019.37	1019.37	1019.36	1019.30	1019.24	1019.21	1019.39
26	0	1019.17	1019.17	1019.17	1019.13	1019.06	1018.98	1018.92	1018.90	1018.87	1018.85	1018.83	1018.81	1018.98
	1	1018.79	1018.76	1018.73	1018.71	1018.68	1018.67	1018.66	1018.60	1018.54	1018.50	1018.48	1018.44	1018.63
	2	1018.41	1018.38	1018.34	1018.28	1018.19	1018.13	1018.07	1018.00	1017.98	1017.94	1017.90	1017.88	1018.12
	3	1017.83	1017.74	1017.65	1017.57	1017.55	1017.56	1017.54	1017.50	1017.47	1017.47	1017.41	1017.32	1017.55
	4	1017.28	1017.23	1017.16	1017.08	1017.05	1017.09	1017.09	1017.04	1017.03	1017.08	1017.17	1017.24	1017.13
	5	1017.25	1017.22	1017.22	1017.23	1017.24	1017.22	1017.18	1017.12	1017.08	1017.08	1017.16	1017.24	1017.19
	6	1017.30	1017.36	1017.35	1017.34	1017.45	1017.56	1017.60	1017.57	1017.52	1017.52	1017.53	1017.56	1017.47
	7	1017.63	1017.67	1017.71	1017.78	1017.83	1017.83	1017.90	1017.97	1017.99	1018.02	1018.04	1018.01	1017.86
	8	1018.02	1018.13	1018.25	1018.20	1018.13	1018.19	1018.24	1018.31	1018.33	1018.28	1018.13	1017.89	1018.17
	9	1017.56	1017.08	1017.01	1017.45	1017.45	1016.93	1016.02	1015.81	1016.64	1017.11	1017.11	1017.03	1016.93
	10	1016.97	1016.89	1016.80	1016.78	1016.84	1016.72	1016.42	1016.23	1016.38	1016.50	1016.51	1016.42	1016.62
	11	1016.27	1015.61	1014.99	1015.34	1015.63	1015.21	1015.32	1015.71	1015.48	1015.30	1015.18	1015.06	1015.42
	12	1014.94	1014.89	1014.81	1014.71	1014.59	1014.48	1014.40	1014.37	1014.45	1014.64	1014.77	1014.75	1014.65
	13	1014.76	1014.58	1014.33	1014.22	1014.14	1014.16	1014.20	1014.22	1014.23	1014.32	1014.45	1014.47	1014.34
	14	1014.54	1014.68	1014.68	1014.61	1014.60	1014.68	1014.83	1014.93	1014.94	1014.98	1015.06	1015.09	1014.80
	15	1015.04	1015.01	1015.04	1015.08	1015.06	1014.96	1014.87	1014.75	1014.56	1014.29	1014.01	1013.99	1014.72
	16	1014.08	1013.97	1013.82	1013.69	1013.81	1014.14	1014.23	1014.12	1014.16	1014.26	1014.22	1014.21	1014.06
	17	1014.14	1014.10	1014.15	1014.25	1014.33	1014.38	1014.51	1014.66	1014.70	1014.64	1014.59	1014.56	1014.41
	18	1014.60	1014.67	1014.66	1014.61	1014.60	1014.67	1014.71	1014.67	1014.65	1014.62	1014.56	1014.53	1014.63
	19	1014.52	1014.49	1014.43	1014.37	1014.35	1014.34	1014.34	1014.33	1014.35	1014.34	1014.29	1014.28	1014.37
	20	1014.28	1014.26	1014.26	1014.25	1014.25	1014.23	1014.21	1014.23	1014.23	1014.20	1014.14	1014.07	1014.22
	21	1014.05	1014.03	1014.00	1013.97	1013.90	1013.83	1013.78	1013.70	1013.63	1013.58	1013.52	1013.48	1013.79
	22	1013.45	1013.41	1013.32	1013.22	1013.14	1013.04	1012.94	1012.86	1012.81	1012.72	1012.64	1012.61	1013.01
	23	1012.54	1012.48	1012.42	1012.36	1012.31	1012.24	1012.14	1012.04	1011.94	1011.83	1011.80	1011.79	1012.16

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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	1011.72	1011.71	1011.69	1011.65	1011.61	1011.55	1011.47	1011.41	1011.34	1011.28	1011.24	1011.22	1011.48
	1	1011.20	1011.20	1011.20	1011.20	1011.25	1011.25	1011.13	1010.96	1010.92	1010.93	1010.83	1010.73	1011.06
	2	1010.61	1010.55	1010.55	1010.50	1010.50	1010.51	1010.38	1010.20	1010.02	1009.83	1009.74	1009.71	1010.26
	3	1009.74	1009.79	1009.77	1009.69	1009.66	1009.68	1009.61	1009.54	1009.45	1009.36	1009.40	1009.49	1009.60
	4	1009.48	1009.48	1009.50	1009.49	1009.53	1009.56	1009.57	1009.57	1009.53	1009.49	1009.48	1009.48	1009.51
	5	1009.50	1009.46	1009.40	1009.39	1009.39	1009.35	1009.27	1009.21	1009.19	1009.21	1009.20	1009.20	1009.31
	6	1009.21	1009.21	1009.20	1009.14	1009.07	1009.05	1009.04	1009.01	1008.99	1008.98	1008.95	1008.91	1009.06
	7	1008.88	1008.79	1008.67	1008.63	1008.63	1008.60	1008.54	1008.50	1008.47	1008.43	1008.41	1008.44	1008.58
	8	1008.45	1008.45	1008.43	1008.44	1008.55	1008.67	1008.72	1008.71	1008.66	1008.63	1008.63	1008.64	1008.58
	9	1008.73	1008.81	1008.85	1008.85	1008.85	1008.86	1008.88	1008.95	1009.03	1009.04	1009.01	1008.98	1008.90
	10	1008.92	1008.88	1008.89	1008.91	1008.91	1008.95	1009.01	1009.00	1008.93	1008.79	1008.62	1008.47	1008.85
	11	1008.36	1008.35	1008.40	1008.43	1008.47	1008.52	1008.55	1008.55	1008.55	1008.54	1008.52	1008.50	1008.48
	12	1008.44	1008.39	1008.37	1008.28	1008.17	1008.10	1008.05	1008.04	1008.01	1007.96	1007.92	1007.88	1008.13
	13	1007.84	1007.83	1007.78	1007.63	1007.58	1007.55	1007.46	1007.39	1007.33	1007.31	1007.31	1007.27	1007.52
	14	1007.23	1007.16	1007.07	1006.97	1006.92	1006.90	1006.88	1006.87	1006.84	1006.82	1006.81	1006.79	1006.94
	15	1006.79	1006.82	1006.83	1006.83	1006.75	1006.72	1006.78	1006.82	1006.80	1006.79	1006.81	1006.81	1006.79
	16	1006.86	1006.93	1006.96	1007.00	1007.01	1007.03	1006.99	1006.92	1006.93	1007.00	1007.03	1007.01	1006.97
	17	1007.00	1007.01	1007.06	1007.11	1007.18	1007.25	1007.29	1007.32	1007.37	1007.41	1007.43	1007.48	1007.24
	18	1007.55	1007.60	1007.62	1007.66	1007.63	1007.66	1007.78	1007.86	1007.89	1007.96	1008.04	1008.06	1007.77
	19	1008.08	1008.15	1008.22	1008.26	1008.32	1008.40	1008.47	1008.52	1008.58	1008.68	1008.73	1008.74	1008.43
	20	1008.76	1008.77	1008.79	1008.81	1008.86	1008.92	1008.96	1008.97	1008.96	1008.98	1008.99	1009.03	1008.90
	21	1009.09	1009.16	1009.22	1009.28	1009.39	1009.49	1009.52	1009.53	1009.57	1009.61	1009.62	1009.60	1009.42
	22	1009.64	1009.71	1009.73	1009.74	1009.76	1009.80	1009.88	1009.91	1009.90	1009.90	1009.89	1009.85	1009.81
	23	1009.81	1009.84	1009.91	1009.96	1009.96	1009.91	1009.89	1009.90	1009.92	1009.94	1009.93	1009.93	1009.91
28	0	1009.98	1009.97	1009.97	1009.97	1009.95	1009.92	1009.82	1009.77	1009.83	1009.89	1009.95	1010.05	1009.92
	1	1010.10	1010.09	1010.08	1010.08	1010.09	1010.13	1010.16	1010.15	1010.16	1010.15	1010.12	1010.12	1010.12
	2	1010.10	1010.05	1010.05	1010.09	1010.12	1010.14	1010.14	1010.11	1010.11	1010.12	1010.17	1010.17	1010.11
	3	1010.14	1010.16	1010.16	1010.22	1010.35	1010.46	1010.50	1010.49	1010.53	1010.62	1010.67	1010.65	1010.41
	4	1010.63	1010.65	1010.69	1010.75	1010.78	1010.82	1010.90	1011.00	1011.09	1011.10	1011.10	1011.17	1010.89
	5	1011.20	1011.21	1011.22	1011.26	1011.31	1011.33	1011.34	1011.33	1011.31	1011.35	1011.50	1011.58	1011.32
	6	1011.60	1011.69	1011.79	1011.78	1011.70	1011.66	1011.67	1011.73	1011.82	1011.93	1012.02	1012.03	1011.78
	7	1012.02	1012.02	1012.07	1012.12	1012.14	1012.19	1012.25	1012.26	1012.28	1012.32	1012.39	1012.46	1012.21
	8	1012.51	1012.57	1012.65	1012.76	1012.85	1012.85	1012.82	1012.84	1012.86	1012.86	1012.88	1012.85	1012.77
	9	1012.83	1012.87	1012.93	1012.97	1013.00	1013.08	1013.14	1013.19	1013.26	1013.30	1013.29	1013.30	1013.10
	10	1013.32	1013.32	1013.34	1013.31	1013.31	1013.33	1013.23	1013.16	1013.14	1013.10	1013.10	1013.11	1013.23
	11	1013.13	1013.18	1013.22	1013.24	1013.24	1013.22	1013.22	1013.20	1013.15	1013.10	1013.08	1013.06	1013.17
	12	1013.01	1012.94	1012.93	1012.95	1012.92	1012.88	1012.84	1012.77	1012.71	1012.69	1012.66	1012.61	1012.82
	13	1012.55	1012.51	1012.46	1012.40	1012.37	1012.33	1012.27	1012.21	1012.15	1012.14	1012.12	1012.09	1012.30
	14	1012.10	1012.09	1012.08	1012.05	1012.02	1011.97	1011.92	1011.90	1011.88	1011.84	1011.81	1011.78	1011.95
	15	1011.75	1011.73	1011.72	1011.73	1011.73	1011.72	1011.71	1011.67	1011.61	1011.59	1011.59	1011.62	1011.68
	16	1011.66	1011.66	1011.68	1011.66	1011.61	1011.56	1011.48	1011.43	1011.48	1011.54	1011.55	1011.52	1011.57
	17	1011.55	1011.62	1011.65	1011.69	1011.74	1011.74	1011.74	1011.76	1011.78	1011.84	1011.93	1012.01	1011.75
	18	1012.04	1012.06	1012.05	1012.04	1012.04	1012.05	1012.11	1012.17	1012.18	1012.20	1012.28	1012.39	1012.13
	19	1012.44	1012.43	1012.43	1012.49	1012.56	1012.57	1012.59	1012.65	1012.72	1012.76	1012.76	1012.76	1012.60
	20	1012.74	1012.76	1012.77	1012.78	1012.79	1012.72	1012.67	1012.64	1012.63	1012.63	1012.58	1012.52	1012.68
	21	1012.57	1012.64	1012.67	1012.69	1012.71	1012.74	1012.74	1012.75	1012.78	1012.84	1012.93	1012.98	1012.75
	22	1013.01	1013.09	1013.14	1013.17	1013.21	1013.21	1013.24	1013.29	1013.32	1013.35	1013.38	1013.41	1013.23
	23	1013.37	1013.30	1013.29	1013.28	1013.26	1013.28	1013.32	1013.38	1013.42	1013.41	1013.41	1013.42	1013.34

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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	1013.31	1013.28	1013.27	1013.32	1013.42	1013.45	1013.48	1013.55	1013.58	1013.64	1013.70	1013.73	1013.48
	1	1013.71	1013.72	1013.81	1013.87	1013.89	1013.87	1013.82	1013.78	1013.75	1013.73	1013.71	1013.65	1013.77
	2	1013.59	1013.60	1013.64	1013.64	1013.61	1013.55	1013.49	1013.43	1013.39	1013.38	1013.35	1013.33	1013.50
	3	1013.31	1013.23	1013.12	1013.06	1013.05	1013.10	1013.16	1013.23	1013.27	1013.23	1013.17	1013.14	1013.17
	4	1013.16	1013.23	1013.28	1013.30	1013.29	1013.31	1013.40	1013.48	1013.50	1013.51	1013.54	1013.54	1013.38
	5	1013.52	1013.50	1013.52	1013.52	1013.50	1013.49	1013.52	1013.60	1013.67	1013.72	1013.73	1013.72	1013.58
	6	1013.73	1013.73	1013.70	1013.69	1013.72	1013.80	1013.90	1013.94	1013.99	1014.09	1014.17	1014.26	1013.89
	7	1014.33	1014.36	1014.42	1014.46	1014.45	1014.45	1014.48	1014.52	1014.54	1014.57	1014.60	1014.62	1014.48
	8	1014.65	1014.71	1014.77	1014.82	1014.85	1014.85	1014.82	1014.78	1014.75	1014.76	1014.77	1014.74	1014.77
	9	1014.70	1014.69	1014.74	1014.79	1014.83	1014.83	1014.80	1014.79	1014.80	1014.80	1014.78	1014.76	1014.77
	10	1014.75	1014.80	1014.84	1014.82	1014.78	1014.76	1014.77	1014.74	1014.69	1014.65	1014.62	1014.58	1014.73
	11	1014.55	1014.59	1014.63	1014.61	1014.57	1014.52	1014.50	1014.50	1014.50	1014.45	1014.38	1014.36	1014.51
	12	1014.32	1014.26	1014.24	1014.17	1014.14	1014.15	1014.12	1014.08	1014.06	1014.04	1014.03	1014.07	1014.14
	13	1014.06	1014.02	1014.02	1014.01	1013.98	1013.92	1013.88	1013.83	1013.83	1013.83	1013.82	1013.86	1013.92
	14	1013.87	1013.88	1013.89	1013.87	1013.86	1013.87	1013.90	1013.92	1013.91	1013.96	1014.03	1014.05	1013.92
	15	1013.98	1013.94	1013.93	1013.93	1013.94	1013.93	1013.93	1013.88	1013.81	1013.81	1013.80	1013.78	1013.89
	16	1013.77	1013.77	1013.77	1013.77	1013.77	1013.79	1013.80	1013.80	1013.80	1013.74	1013.67	1013.64	1013.76
	17	1013.70	1013.77	1013.81	1013.85	1013.86	1013.90	1013.97	1013.98	1013.94	1013.90	1013.90	1013.92	1013.87
	18	1013.93	1013.86	1013.77	1013.69	1013.63	1013.61	1013.61	1013.58	1013.54	1013.53	1013.52	1013.53	1013.65
	19	1013.58	1013.67	1013.81	1013.92	1013.98	1014.03	1014.04	1014.04	1014.07	1014.06	1014.03	1013.97	1013.93
	20	1013.82	1013.69	1013.64	1013.56	1013.54	1013.52	1013.52	1013.58	1013.64	1013.77	1013.86	1013.88	1013.67
	21	1013.96	1014.03	1014.14	1014.23	1014.34	1014.50	1014.65	1014.76	1014.85	1014.88	1014.84	1014.79	1014.50
	22	1014.76	1014.77	1014.80	1014.82	1014.91	1015.07	1015.28	1015.56	1015.94	1016.33	1016.74	1017.23	1015.51
	23	1017.41	1017.19	1016.98	1016.91	1017.00	1016.98	1016.88	1016.80	1016.74	1016.71	1016.62	1016.54	1016.89
30	0	1016.39	1016.42	1016.41	1016.40	1016.47	1016.50	1016.47	1016.46	1016.43	1016.37	1016.29	1016.23	1016.40
	1	1016.23	1016.18	1016.14	1016.18	1016.21	1016.16	1016.07	1015.99	1015.87	1015.76	1015.72	1015.64	1016.01
	2	1015.62	1015.68	1015.74	1015.82	1015.83	1015.75	1015.59	1015.38	1015.30	1015.46	1015.68	1015.90	1015.64
	3	1016.02	1015.99	1016.01	1016.06	1016.13	1016.09	1015.93	1015.90	1015.85	1015.73	1015.75	1015.79	1015.94
	4	1015.83	1015.89	1015.94	1016.00	1016.07	1016.26	1016.54	1016.72	1016.74	1016.91	1017.05	1016.96	1016.41
	5	1016.87	1016.84	1016.79	1016.72	1016.58	1016.35	1016.31	1016.28	1016.19	1016.12	1016.08	1016.07	1016.43
	6	1016.00	1015.94	1015.96	1015.93	1015.84	1015.78	1015.76	1015.73	1015.67	1015.54	1015.40	1015.37	1015.74
	7	1015.39	1015.35	1015.27	1015.22	1015.16	1015.05	1015.00	1015.01	1015.06	1015.12	1015.15	1015.13	1015.16
	8	1015.12	1015.12	1015.10	1015.10	1015.08	1015.06	1015.07	1015.08	1015.09	1015.08	1015.08	1015.10	1015.09
	9	1015.12	1015.11	1015.11	1015.10	1015.11	1015.08	1015.03	1015.01	1015.06	1015.16	1015.19	1015.16	1015.10
	10	1015.17	1015.22	1015.20	1015.14	1015.11	1015.12	1015.15	1015.20	1015.26	1015.31	1015.35	1015.36	1015.21
	11	1015.35	1015.31	1015.30	1015.32	1015.30	1015.34	1015.41	1015.46	1015.51	1015.50	1015.48	1015.47	1015.39
	12	1015.49	1015.48	1015.46	1015.54	1015.62	1015.68	1015.78	1015.86	1015.88	1015.88	1015.90	1015.86	1015.70
	13	1015.86	1015.94	1015.96	1015.93	1015.90	1015.81	1015.70	1015.58	1015.52	1015.51	1015.46	1015.45	1015.72
	14	1015.46	1015.42	1015.35	1015.33	1015.33	1015.33	1015.36	1015.36	1015.33	1015.27	1015.24	1015.17	1015.33
	15	1015.09	1015.03	1014.98	1014.99	1014.97	1014.99	1015.08	1015.12	1015.09	1015.04	1015.01	1014.96	1015.03
	16	1014.93	1014.92	1014.86	1014.81	1014.77	1014.73	1014.72	1014.65	1014.54	1014.47	1014.44	1014.53	1014.70
	17	1014.67	1014.72	1014.67	1014.65	1014.75	1014.85	1014.87	1014.80	1014.76	1014.74	1014.68	1014.64	1014.73
	18	1014.60	1014.54	1014.51	1014.51	1014.54	1014.62	1014.71	1014.74	1014.77	1014.85	1014.92	1014.91	1014.68
	19	1014.95	1015.09	1015.21	1015.27	1015.35	1015.40	1015.40	1015.43	1015.50	1015.59	1015.68	1015.75	1015.38
	20	1015.76	1015.74	1015.77	1015.80	1015.78	1015.75	1015.78	1015.77	1015.75	1015.78	1015.82	1015.85	1015.78
	21	1015.85	1015.77	1015.69	1015.65	1015.60	1015.59	1015.59	1015.59	1015.64	1015.71	1015.81	1015.92	1015.70
	22	1016.03	1016.12	1016.18	1016.18	1016.19	1016.22	1016.18	1016.12	1016.09	1016.07	1016.09	1016.10	1016.13
	23	1016.04	1015.99	1016.01	1016.09	1016.12	1016.09	1016.06	1016.05	1016.02	1016.02	1016.05	1016.06	1016.05

