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SVIRCO Prompt Report: July 2014

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: July 2014

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 July 2014 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. Monica Laurenza
Head of SVIRCO Observatory & TPL
Istituto di Astrofisica e Planetologia Spaziali - Area di Ricerca Tor Vergata
Via del Fosso del Cavaliere,100 00133 Roma - Italy,

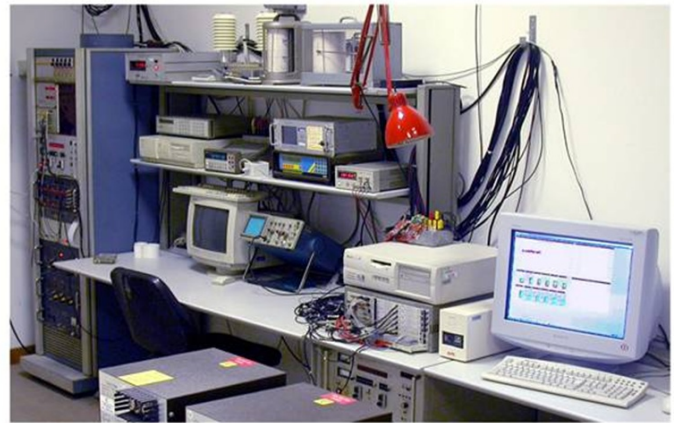
monica.laurenza@iaps.inaf.it



S.V.I.R.CO. Observatory

Rome

Italy



		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44937	44535	44825	44774	44385	45108	44823	45245	44403	44392	44292	44185	97.114	
	1	44189	44523	45342	45145	44381	44606	44587	44454	44526	44368	44667	44784	97.053	
	2	44593	44863	44841	43997	44423	44717	45180	44780	44794	45190	44687	44730	97.275	
	3	44876	44875	44747	45147	44928	44817	45270	45102	44635	44621	45341	44732	97.691	
	4	44780	44277	44486	44813	44962	44471	44813	44777	45196	44877	44994	45030	97.398	
	5	44834	45103	44238	44557	44496	45141	44810	44791	45085	45294	44693	44885	97.480	
	6	45311	44912	45389	44519	44703	45069	45012	44226	44717	44583	44219	45135	97.456	
	7	44851	44718	45122	45080	45359	45132	44330	44680	44296	44888	44753	45220	97.571	
	8	45028	45201	45287	44735	44639	44856	44842	44500	44665	44656	44945	44846	97.529	
	9	45116	45350	45633	44639	44196	44815	45287	45471	43848	45223	45069	44824	97.760	
	10	44870	45190	44561	45216	45174	44197	45049	44865	45097	44827	45473	44598	97.695	
	11	45154	44663	45151	44633	45007	44684	44900	44729	45303	44945	44976	44293	97.572	
	12	45613	45253	44853	45293	44791	44438	44727	44879	44958	44772	45305	44679	97.776	
	13	45017	44954	44439	45142	44967	45042	45170	44767	45269	44937	45175	45286	97.886	
	14	45075	44962	44170	45025	45109	45168	45067	45511	45474	44752	44516	44659	97.763	
	15	44858	44952	45229	44472	44851	45276	45074	45008	45191	45074	44621	44735	97.736	
	16	44637	44727	45316	44618	45588	44994	44848	44281	44957	45008	44847	45043	97.650	
	17	44476	45030	44514	44795	45446	44596	44980	45023	45214	44572	44890	44832	97.560	
	18	44546	45322	44538	44858	44621	44569	45132	45430	44414	44708	44855	45131	97.515	
	19	44581	45069	45824	44881	45450	44896	45025	44851	45843	44432	45178	44933	98.030	
	20	44848	44182	44673	45020	44481	45165	45070	44750	45140	45061	44793	44634	97.460	
	21	44860	44996	45275	45475	44914	44599	44862	44807	44714	44862	44961	44864	97.709	
	22	44751	44804	45329	45149	44634	45048	44816	44506	45166	44332	45213	45107	97.648	
	23	44632	44656	44940	45190	45184	45286	44472	44824	44461	44696	44808	44702	97.467	
2	0	45199	45592	45180	45362	45594	45058	45199	45745	44693	45241	44087	44598	98.136	
	1	45359	44957	45485	45333	45112	45215	44591	44919	45086	44913	44769	44923	97.976	
	2	45093	45328	45333	45061	45093	45637	44747	45432	44998	44121	44979	45047	98.013	
	3	44922	44309	44847	44909	45673	45050	44881	45070	45276	45270	44943	45683	98.006	
	4	44661	44575	45346	45210	44796	44666	44841	44790	45289	45047	44656	45458	97.735	
	5	44823	44695	44987	44719	44139	44328	44621	45568	44426	44494	44950	45295	97.320	
	6	45180	44344	45311	45052	45190	44468	44662	45274	45189	44579	44873	44612	97.626	
	7	44935	45029	44647	45343	44645	45250	44470	44546	44725	45050	45021	45027	97.618	
	8	45366	45012	45221	44530	44747	44808	44801	44785	45057	44448	44498	44828	97.512	
	9	44723	45602	45122	44839	44719	44927	45060	44791	44939	45591	44750	44905	97.850	
	10	45055	45397	44964	44672	45769	44869	44775	45402	44285	45138	45097	44592	97.858	
	11	45150	44758	45396	44785	44964	45660	45075	44416	44867	44864	44850	44674	97.757	
	12	44471	45111	44637	45295	44446	45115	45060	45378	45206	44435	44456	44733	97.555	
	13	44955	44970	44839	44950	44951	44699	44799	45172	44843	44691	45359	45311	97.772	
	14	44818	45194	45174	45099	44903	44951	45280	45666	44940	44979	44819	44984	98.002	
	15	44679	45011	45088	44697	45175	44918	44743	45266	44638	44852	45248	45359	97.796	
	16	44729	45630	45379	44805	44670	45191	44892	45277	44509	44991	45460	45463	98.036	
	17	45027	45096	45076	44899	44609	44483	44699	45575	44826	44876	45068	46384	97.967	
	18	45321	44960	45644	45252	45052	44527	44902	45487	45163	44649	45435	45986	98.287	
	19	45363	45016	45344	44738	44780	45235	45313	45457	45601	44330	44755	44990	98.023	
	20	45100	45137	45276	45418	45412	45139	44637	44674	44883	45020	45439	44789	98.023	
	21	45602	45334	45761	45241	44938	44835	45301	45198	45363	45088	44985	45146	98.362	
	22	44714	45323	44855	46196	45239	44578	44776	44786	44653	44596	44995	44993	97.802	
	23	44887	44748	45112	44346	45153	44315	44685	43719	45482	44980	44400	44758	97.237	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44559	45526	45095	44460	46014	44778	44624	44961	45028	44770	45062	44994	97.834	
	1	44808	44922	44928	44667	45201	45008	45378	44901	44433	44870	45342	45055	97.768	
	2	44424	44957	44917	45397	44957	45263	44788	45047	44347	44785	44856	44493	97.535	
	3	44991	44395	44915	45255	44845	44697	44775	44823	44358	44672	44679	45123	97.408	
	4	45121	45092	44429	45285	44350	44667	45218	44640	45144	44676	45004	44868	97.583	
	5	45513	45199	45159	44884	45335	44520	45435	44961	44791	44547	45364	45149	98.011	
	6	44729	45012	45382	44889	44917	44824	45301	45082	45353	44597	44957	45632	97.978	
	7	44129	44952	45160	44468	45310	44696	45560	45107	45162	44773	45205	44929	97.756	
	8	45113	44938	44979	45365	45144	44405	45674	44922	45245	45731	45195	45491	98.255	
	9	45406	45343	45009	46031	45533	45148	44953	45522	45687	45034	45303	45343	98.637	
	10	44625	45291	44855	45799	44835	45130	44835	45277	45313	45254	45211	44885	98.093	
	11	45263	45139	45171	45685	44888	45509	44992	45475	45295	45564	45410	45634	98.585	
	12	45067	45295	45212	44460	45378	44978	45252	45255	44954	44844	44807	44977	97.943	
	13	45102	44510	45229	45420	45512	45675	45214	44824	45280	45688	45045	45592	98.416	
	14	44283	45306	45406	45246	45026	45068	44564	45257	44954	44788	45711	44757	97.922	
	15	44813	44971	44494	44905	45280	45402	44872	44716	44753	45141	45643	45882	98.014	
	16	44739	45194	44867	44267	44652	44815	45522	45086	44627	44591	45307	44654	97.551	
	17	45187	44699	45055	45314	44787	45260	45313	45265	45081	44665	44398	45079	97.874	
	18	45201	44771	44759	44555	45022	44353	44726	45385	44569	44819	45272	44594	97.498	
	19	44920	45386	45283	44687	45169	45227	45135	45137	45271	45023	44499	44882	97.968	
	20	45065	45387	44552	45318	45151	44631	45493	45748	44655	45086	45153	44432	97.977	
	21	45025	45434	44469	45797	44821	44244	45394	44815	45407	45397	45089	45015	98.020	
	22	44527	45003	45783	44956	45575	44702	44777	45326	45006	44856	45080	44545	97.880	
	23	44553	44792	44822	45265	44809	44881	45148	45014	45137	44239	44767	44646	97.507	
4	0	44878	44278	45150	44652	45009	45350	45371	44956	45026	45369	44822	45444	97.903	
	1	45261	44957	44678	44890	44973	45128	45125	44578	45960	45383	44462	44783	97.888	
	2	45304	45440	45954	45737	44834	45470	44619	44941	44421	45110	45115	44812	98.174	
	3	45411	45277	44840	44953	45150	45223	45231	44613	44639	45215	45095	45046	97.981	
	4	45293	44615	44768	45088	45139	44573	45343	44621	44869	45237	45091	44846	97.762	
	5	44717	45010	45054	44992	45174	44841	45307	45277	45190	45387	45020	44823	97.999	
	6	44800	45703	44321	44789	44741	45459	45266	45197	44837	44996	45295	45080	97.944	
	7	44974	44988	45016	44936	45134	44666	45168	44845	45278	44830	45082	44356	97.724	
	8	45311	45489	45746	45398	45546	44569	44920	46101	45183	45194	44925	45781	98.610	
	9	45234	45056	44965	45337	45091	45013	45542	45399	45381	45003	45090	45311	98.295	
	10	45001	44898	45164	45083	44526	45492	44614	44962	45315	45016	45291	45217	97.962	
	11	44986	45058	45819	44815	44781	44495	45041	45409	45079	44966	45237	44474	97.885	
	12	44650	44428	45389	45478	44846	45080	45653	44797	45438	44798	45280	44784	97.969	
	13	45061	44900	45517	45499	44811	45550	45789	45127	44785	45289	44245	45159	98.169	
	14	44518	44931	45722	45116	44971	45108	45505	44977	44692	45431	44448	44891	97.912	
	15	45506	45425	45010	45029	45175	44816	44854	44935	45106	44993	45185	44731	97.994	
	16	44534	44892	45187	44933	44839	45344	44400	45466	44533	44708	45142	45160	97.700	
	17	44983	45066	44845	45001	45335	44937	45194	44196	44777	44485	45368	45256	97.754	
	18	44975	44969	45010	44790	44610	45008	44322	44832	45394	44385	44677	44804	97.453	
	19	45608	45177	44659	44524	44348	45400	44759	45197	44911	45412	45410	45245	97.974	
	20	44988	45473	44759	44859	44355	45188	45273	45747	44831	45488	45272	45263	98.126	
	21	45429	45335	44576	44756	45001	44815	45232	45443	45473	44623	44459	45396	97.953	
	22	44467	44690	45181	44200	44843	45061	44849	44619	45026	45074	44510	44875	97.384	
	23	44662	45334	44649	45436	45041	44953	44338	44482	44907	45275	45069	44790	97.663	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	45249	44709	44667	45557	45020	45291	44953	44951	44635	44846	44800	44843	97.767	
	1	45076	45004	44689	45153	44883	45279	45087	44959	44648	44765	44936	44940	97.750	
	2	44861	45402	44707	44816	45073	44541	45069	44842	44303	45556	45050	45130	97.738	
	3	45338	45125	44782	45671	44948	44628	45530	45089	45402	44622	45112	44639	98.016	
	4	45149	45047	44540	44843	45410	45119	45406	45013	44772	44897	45201	44812	97.893	
	5	44822	44771	45291	45254	45326	45694	44974	44943	45208	44719	45245	45448	98.163	
	6	44983	45831	45129	45035	44610	44776	45297	44937	44579	45123	45480	44988	97.995	
	7	44732	45011	45300	45376	45466	45301	44973	45374	45198	44790	44807	45050	98.105	
	8	44832	45216	45115	45187	45114	45202	45002	45344	44960	45667	45248	45146	98.224	
	9	45077	45027	45489	45889	45395	45163	44557	45127	45618	45214	45414	45510	98.486	
	10	45209	45022	45511	45424	45291	45469	45170	44905	45721	44862	45316	44902	98.363	
	11	45324	45181	45486	45239	45443	45166	45491	45746	45366	44897	45073	45361	98.540	
	12	45116	45294	44764	44851	45144	44784	45161	44690	45398	44704	45781	45080	97.995	
	13	44337	45251	45188	45372	45327	45359	44843	45023	45085	44517	45536	45114	98.028	
	14	45086	45879	45105	45191	45088	44697	45390	45266	44651	44915	45214	44900	98.106	
	15	44382	45195	45337	45169	44801	44902	45656	44761	44709	44099	44960	44835	97.639	
	16	45101	45074	45064	44820	45082	45308	45004	44652	44712	45371	45436	44844	97.940	
	17	45207	45131	45227	45490	45112	44739	44683	45119	45766	44707	44725	45473	98.105	
	18	45019	45264	44690	44384	45316	44989	45214	45122	44956	45471	44825	44684	97.844	
	19	45431	44781	45132	44867	45725	44989	45027	45295	44856	44994	45296	45259	98.155	
	20	44769	45286	44621	44996	44849	44862	44739	44626	45529	44415	45123	44967	97.635	
	21	45261	45516	45249	45129	45629	45262	44912	45228	44882	44583	45383	44782	98.185	
	22	45156	44914	44639	44879	45730	44921	45137	45184	45021	45272	44956	45677	98.125	
	23	44770	44513	45199	45088	45444	45223	45562	45111	44474	45289	45349	45335	98.102	
6	0	44654	44950	45414	45005	44998	45369	44669	45815	45081	44489	44616	45347	97.929	
	1	44281	45240	45102	44281	44612	45266	45388	44896	45096	44668	45349	45588	97.814	
	2	44713	45000	44791	44736	44823	45024	45007	45366	45473	44640	45106	45200	97.834	
	3	44902	45701	45107	45300	45013	45168	45295	44575	45092	44896	45505	45018	98.141	
	4	44544	45235	44907	44902	45242	45509	45264	45205	44657	44783	45942	45076	98.085	
	5	44925	45096	44851	44836	45123	44950	45109	45735	44829	45150	45075	44909	97.962	
	6	45246	45241	45129	45381	45357	45612	45041	44825	45793	44747	45211	45222	98.364	
	7	45357	44792	45971	45547	45289	45114	45017	45441	45419	46060	45130	45320	98.663	
	8	45264	44656	45482	45233	44648	45997	45293	44918	44985	46178	45686	44869	98.437	
	9	45364	45360	45175	45072	44764	45051	45207	45152	45171	44962	44617	44735	97.970	
	10	45215	44918	45250	44879	45490	45374	45772	44937	45427	45303	45196	45591	98.463	
	11	45452	44933	44701	45469	44926	44538	45380	45002	44763	44863	45308	45409	97.990	
	12	44933	44918	45371	45555	44945	45208	45080	44966	45798	44923	45245	45335	98.268	
	13	45172	44920	45191	45347	45118	44764	45209	45424	45434	44995	45652	45111	98.279	
	14	45223	45052	45009	44828	45061	45223	45281	45588	44789	44535	44921	45133	97.972	
	15	45724	45293	44717	45237	45942	44794	44753	45643	45296	44723	45137	45183	98.298	
	16	45375	45511	45182	44889	44453	45488	44778	45351	45066	45599	45013	44873	98.142	
	17	45527	44699	44830	44642	45005	45441	45209	44850	44683	44641	45695	44557	97.816	
	18	45124	45287	45007	45148	45032	45086	45101	45717	45215	44607	45008	44891	98.077	
	19	45415	45321	44402	45040	45219	45148	44303	44596	45248	44411	45351	45193	97.792	
	20	45366	45050	45302	45233	45921	44793	44913	45363	44933	45211	44666	44962	98.166	
	21	45049	45087	44731	45182	44549	44456	44748	45267	45016	45291	45493	45217	97.871	
	22	44946	44831	45347	44656	45529	44676	45266	45095	44618	45290	45258	45644	98.065	
	23	44941	45741	44628	45498	45430	45127	45492	44958	45254	44848	45313	45161	98.289	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	
7	0	45209	44957	45504	45269	45024	44742	45058	44745	45154	45023	45303	44776	97.999	
	1	45459	45095	45301	44472	44651	45511	45172	45312	44938	44851	44673	44567	97.856	
	2	44858	44761	45254	44738	45013	45393	45247	45207	45227	44770	45402	45322	98.072	
	3	45742	45424	45282	45267	45509	45782	45311	45089	45021	45360	45119	45045	98.571	
	4	45405	45402	45608	45457	45241	44798	45103	45329	44891	44732	44538	45566	98.231	
	5	45364	46294	44673	45707	45298	45248	45490	45120	45092	45376	45161	44909	98.532	
	6	44677	44688	45323	45482	45485	45663	45396	44767	46094	45439	44914	45415	98.461	
	7	45871	45605	45570	45201	45198	45057	45382	45066	45541	44970	45185	45244	98.560	
	8	45088	44908	46042	45270	44651	45100	45245	44954	44897	44581	46043	45239	98.222	
	9	45857	45708	44502	45297	45141	45885	45363	44867	45307	45168	45099	44680	98.377	
	10	45086	45589	45417	45471	44772	45262	45223	45160	45039	45969	44996	44892	98.377	
	11	45217	45532	44993	45435	45338	45513	45198	45359	44729	45172	45319	44787	98.326	
	12	44904	45336	45260	45143	45456	45272	45208	45992	45051	45013	44815	45506	98.392	
	13	45624	45483	45198	45595	44899	45332	45541	45829	44409	45653	46024	44834	98.657	
	14	45752	45227	45333	45107	45147	45674	45539	45134	45642	46107	45859	45143	98.883	
	15	45322	45994	45501	45235	45586	44984	45540	45658	45064	44994	45970	45021	98.738	
	16	45567	45724	44879	45548	45539	44527	45542	45239	45191	44890	44860	44521	98.223	
	17	45429	44481	44994	44982	45053	45034	45236	45551	45292	45357	45036	45184	98.151	
	18	45093	44992	45346	45340	45200	44711	44531	45195	45624	44942	44631	45212	98.004	
	19	45736	44819	45305	45354	44848	45118	45160	44720	44788	44960	45168	45226	98.073	
	20	44673	45776	44886	44860	45395	44652	44950	45585	45399	44935	45469	45056	98.152	
	21	45163	45136	45206	45086	44523	44646	45129	45381	45219	44904	45166	45110	97.977	
	22	44751	44982	45185	44517	45007	45148	45396	44541	44712	45115	44497	45075	97.661	
	23	45428	44837	45150	45361	44925	45181	45007	45084	44593	45288	44724	44844	97.933	
8	0	45153	45090	44854	45211	45349	45777	44788	45735	45436	45690	44732	44668	98.298	
	1	44947	44642	44726	44936	45174	45157	44824	44717	44729	44894	45481	44961	97.710	
	2	44128	44981	44679	45070	44787	44507	44800	45565	45003	45371	44229	44440	97.414	
	3	45417	45598	45081	44990	44184	45183	45185	45316	44977	43870	44764	45044	97.785	
	4	45011	45246	44916	45293	44667	45286	44805	45145	44377	44956	44816	44802	97.732	
	5	45164	45420	44734	44981	44808	45191	45251	44688	44984	45438	44864	44706	97.897	
	6	44860	45012	45013	45094	44650	44695	45091	45297	45197	45031	44792	45005	97.808	
	7	45147	44593	45593	45066	45423	45649	45627	45526	45539	45092	44807	45288	98.463	
	8	45292	45151	45189	45518	45224	45332	45064	45319	45365	44923	45385	45253	98.402	
	9	45143	45928	45506	45308	45518	45541	45130	45249	45800	45988	45079	45033	98.802	
	10	45094	44738	45210	45894	44847	45533	45255	45662	44891	45580	45112	44988	98.364	
	11	45537	45323	45111	45413	44889	45304	45196	45386	45322	45370	44750	45798	98.472	
	12	44919	45302	45012	45383	45718	45524	45644	45095	45159	45517	45401	44860	98.497	
	13	45512	44929	45102	45123	44927	44837	45160	45536	45159	45244	45230	45400	98.247	
	14	44624	44623	45419	45448	45178	44936	45143	45334	44637	44971	44757	44840	97.839	
	15	45149	44982	45088	45280	45237	45508	44585	45084	45132	44798	44877	45495	98.076	
	16	45310	44856	45241	44704	44925	44805	44855	45136	44874	45213	45280	45679	98.015	
	17	45403	45143	45280	45241	45798	45281	44779	45078	45201	44545	45366	44814	98.205	
	18	45241	45007	44973	44444	44756	45376	44967	45125	45315	44813	44835	44981	97.825	
	19	44462	45043	44991	44769	45069	45190	44507	44919	44511	44235	44826	45093	97.424	
	20	44781	44845	44996	44528	45426	45331	45047	44725	45463	45046	45299	45455	98.027	
	21	44444	44871	45014	45170	44670	44629	45510	45088	44801	45509	44900	45545	97.883	
	22	45085	44844	45292	45183	44641	44454	44551	44980	44639	45053	45616	45494	97.825	
	23	45025	44829	45215	45578	45284	44694	44914	45399	45097	44720	45506	44699	98.030	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44803	44775	45390	45145	45395	45469	45478	45731	45006	44743	44729	45622	98.265	
	1	45760	45175	45188	45324	45089	45329	44755	45310	45594	45301	44734	45263	98.367	
	2	45124	45094	45510	44886	45384	45184	44980	44978	45784	45721	45584	45504	98.532	
	3	45450	45076	45674	45055	44780	45486	44893	45265	44548	45117	45115	45571	98.223	
	4	44893	45104	44768	44448	45382	44612	44180	45175	44937	45177	45424	44826	97.661	
	5	44907	44496	45506	44660	44963	44890	44364	44960	44875	45242	45241	44737	97.646	
	6	45170	44865	44622	44715	45239	44680	44457	44784	45400	44879	44321	45190	97.552	
	7	44658	45022	45326	44448	45351	45508	45504	44724	44906	44997	44859	45430	97.989	
	8	45279	44781	44818	44315	45533	45219	44688	44517	44300	44808	44555	44842	97.431	
	9	45237	44992	44596	44455	44741	44871	45560	45316	44959	45259	45409	44859	97.902	
	10	44450	45527	44957	45238	45391	44672	45094	44939	44905	45168	44766	45103	97.894	
	11	45366	45112	45079	44982	44644	45161	44944	44956	44975	45109	45356	45342	98.042	
	12	44825	44017	44975	45214	45269	44871	44582	44863	45800	44452	45277	45494	97.791	
	13	45053	45397	45352	45388	44812	45194	45127	45613	44390	45474	45059	45087	98.208	
	14	45409	44566	44919	45565	45074	44689	45484	44668	44529	45517	45456	44985	98.012	
	15	44942	45037	44900	44893	45198	45482	45558	45309	45513	45395	44978	44978	98.251	
	16	44991	44944	44996	46009	45036	45293	45232	45395	44606	45086	45222	45136	98.208	
	17	45344	45316	44571	45165	45241	45198	45502	44977	45664	45019	45214	44802	98.220	
	18	45113	44525	45520	45096	45253	45420	44927	45386	44438	45084	45082	45153	98.036	
	19	45257	45882	45389	45362	45395	45296	45093	44679	44703	45760	44893	44564	98.268	
	20	44747	45945	45572	45772	45488	44927	45728	45108	44673	45483	45315	44843	98.508	
	21	44809	44253	44761	45242	45035	45130	45455	45371	44742	45375	44965	45220	97.920	
	22	44522	45197	44715	44760	44764	44834	44927	44821	44926	44988	45325	45441	97.715	
	23	44722	45235	45007	45173	45098	44889	45164	45365	45290	45312	44783	45380	98.113	
10	0	45046	45266	44488	45099	45285	44783	45345	45386	45253	44972	45243	45068	98.071	
	1	44857	45990	45072	45180	45254	45674	45994	45749	45053	45171	45228	45151	98.648	
	2	44467	45411	45785	45844	45500	44607	44628	45360	45126	44754	45803	44251	98.134	
	3	45397	44698	46014	44591	45353	45130	45190	45391	45677	44835	44761	45221	98.264	
	4	44879	44626	44952	44592	44698	45049	44798	44513	44809	45665	44615	45061	97.540	
	5	44625	45904	45328	44783	44898	45544	44970	45164	44937	44943	44584	45066	97.991	
	6	44806	45032	45264	45040	46035	44927	45040	45410	45054	44957	45126	45163	98.192	
	7	45062	45216	44871	45107	44238	44836	44495	45120	44619	44886	44709	44863	97.497	
	8	44706	45456	45125	44600	44812	45452	45754	45280	44776	45145	45274	45005	98.107	
	9	45131	45091	45542	44786	45228	45168	44140	45194	44992	45157	44906	45136	97.941	
	10	44322	44997	44918	45077	45129	44847	44889	45389	44600	44870	45471	45205	97.804	
	11	45219	45113	44952	45534	45027	44832	45360	44984	44806	45084	45198	45606	98.166	
	12	45108	45137	44681	44959	44669	45137	45463	44648	44838	45002	45236	44686	97.777	
	13	45093	45087	44948	44872	44420	44761	45396	44843	44727	44645	44910	45367	97.687	
	14	44613	45026	45125	45286	45008	45222	44806	45783	45217	45002	44931	45181	98.073	
	15	44333	45043	45059	44957	45619	45312	45417	45521	45189	45249	45296	45071	98.230	
	16	44968	44946	44796	45063	44707	44948	45552	45097	45384	45086	44857	44780	97.889	
	17	45315	45531	45320	45332	44608	44909	44862	45070	45449	44856	44629	44569	97.938	
	18	45198	45458	44756	45213	44993	44972	45302	45333	44871	44613	45016	44215	97.845	
	19	44654	44776	45146	44736	45546	45541	44902	45215	45179	44350	44446	44713	97.712	
	20	45211	44523	45061	45024	44869	45195	45014	44310	45283	44573	45587	45017	97.795	
	21	45574	44787	44721	45419	45147	44692	45224	45112	45162	45071	44778	44729	97.931	
	22	45530	45238	45292	44685	44980	44876	45074	45054	44956	45113	44869	45612	98.088	
	23	45162	45666	44112	44610	44981	44973	44403	44716	44453	44300	44782	45160	97.370	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	45278	45526	45271	44681	45020	44687	45071	45149	45644	44534	44928	45718	98.130
	1	45287	45334	45076	45180	44796	45386	45062	45316	44755	44486	45424	44810	98.021
	2	44827	44915	44374	45414	45467	44850	45244	44248	44642	44965	44570	44467	97.490
	3	44411	44573	44985	45071	44433	45763	44589	44226	44610	44967	45053	44993	97.434
	4	45029	45343	45142	45029	44788	45131	44635	44938	44755	44998	44920	44787	97.764
	5	45237	45052	44859	44846	44843	44848	44791	45552	44842	45034	45083	45390	97.924
	6	45037	45324	44819	44705	45182	44639	45638	44626	45225	45578	45021	45173	98.031
	7	44995	44845	44556	44801	44645	45392	45028	44605	45280	45006	44967	44624	97.628
	8	45089	45093	45486	45029	45287	44059	45087	45099	44767	44794	44899	45470	97.885
	9	45313	45050	45149	44571	44597	44840	44988	45210	44711	45033	45029	45225	97.804
	10	45149	45147	45603	45294	44873	44961	44658	45072	45309	45373	45331	44767	98.134
	11	45581	45173	45195	45290	45631	45091	45168	45003	45076	45588	45198	45403	98.471
	12	44792	45682	45124	45527	45505	44752	45428	45231	44810	45026	44904	45130	98.202
	13	44486	44848	44771	45237	45640	44281	44956	45258	45071	45278	45168	45033	97.861
	14	45170	45264	44946	45427	45144	45920	45077	44449	44571	45447	45326	44246	98.035
	15	45477	45235	45204	44976	44999	45623	45120	45138	45139	45458	45114	44726	98.256
	16	44356	44982	44987	44691	44824	44975	44552	44688	45682	44529	45148	44872	97.545
	17	44794	44522	44605	44941	44963	45109	44901	45154	45553	44849	45330	45070	97.817
	18	44988	44906	45256	44416	45428	44405	44518	45351	44737	45758	44813	44622	97.710
	19	45445	45054	44749	44972	45608	44851	44891	44507	45173	45080	44699	45049	97.870
	20	45681	44907	44999	45266	45165	45045	45036	45324	45533	45557	45005	44939	98.301
	21	45244	44888	44676	45271	44635	45271	45022	45186	44959	45689	45004	45020	98.012
	22	45135	44755	45297	45627	45263	44545	44936	44944	45767	45381	44580	45564	98.181
	23	45166	44941	45184	44617	45688	45347	45410	45620	45433	44457	45438	44945	98.263
12	0	45094	45264	45023	43961	45852	45320	45324	44776	44635	45300	45085	45249	98.014
	1	44347	45127	45331	45682	45063	45325	45292	45122	45344	45024	45190	45015	98.193
	2	45401	45713	45097	45228	45363	44994	45094	44794	45702	45724	45235	44556	98.381
	3	45272	45187	45002	44775	44739	44956	45096	45327	45386	45370	45148	44405	97.976
	4	45366	45130	45252	45519	45027	45398	45131	44692	45437	44475	45361	44735	98.132
	5	45237	44537	45263	44794	45343	44879	45045	45661	45074	44896	44880	45218	98.006
	6	45250	44810	44557	44973	44856	44628	44973	45221	44763	44688	45113	44735	97.596
	7	45083	44823	44825	45177	45347	45312	44430	44926	45030	45160	45447	45022	97.961
	8	44982	45268	45436	45706	45127	45218	44539	45403	45215	45305	44743	44576	98.131
	9	45053	45967	45792	44639	44937	44531	44715	45503	45114	44653	45782	44878	98.139
	10	45169	45099	44751	45609	45526	46037	45112	45442	45339	45141	45241	45386	98.554
	11	44931	45736	45043	45686	45309	45181	45129	45459	45533	45208	45169	45538	98.566
	12	45386	45791	45335	45261	44889	44855	45331	45672	45701	45931	46071	45193	98.837
	13	45674	45300	45201	45820	45098	44800	45237	45236	45056	45373	45653	44808	98.446
	14	44906	45712	45428	45940	45105	45594	45215	44959	45010	45494	45886	45283	98.677
	15	44998	45191	45435	45608	45750	45451	45485	45430	44978	45506	45490	45145	98.665
	16	45703	45554	45030	44398	45530	45223	45485	45486	44877	45418	45263	44964	98.387
	17	44715	44963	45277	45162	45306	45227	45125	45524	45578	45273	45797	45646	98.507
	18	45407	45236	45278	45222	44875	44933	45099	44530	45245	45317	45082	45233	98.120
	19	45278	45376	45128	44764	44984	45173	45317	44988	44964	45300	45253	45552	98.232
	20	45382	45307	45764	44598	44978	45720	44991	45116	45538	45822	44860	44969	98.408
	21	45446	45259	44218	45211	44947	44644	45204	45140	45305	45314	45467	45262	98.113
	22	44935	45450	44440	45029	45481	45488	44927	45361	44851	45651	44310	45581	98.128
	23	45059	45598	44924	45097	45201	44825	45480	45054	44850	45801	44764	45058	98.166

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	45355	44772	44625	44992	44713	45589	45516	45184	45078	45328	45417	45086	98.153	
	1	44594	45255	44829	45236	45664	44894	45147	45505	45163	44880	45727	45416	98.275	
	2	45473	45597	44886	45242	44786	44574	44481	44530	45417	45180	45096	44244	97.766	
	3	45279	45002	44947	44624	45492	45553	45015	45410	44928	45318	44791	45475	98.188	
	4	44715	45749	45342	44706	44992	45059	45032	44841	45194	45205	45244	44809	98.017	
	5	44827	45149	44652	44766	45364	45035	45233	45105	44466	44870	45426	45379	97.905	
	6	44844	45009	45074	45125	45342	45117	45202	45257	45180	45435	45057	44369	98.038	
	7	45447	45446	44897	44764	44989	44798	45562	45452	44652	45429	45644	45307	98.288	
	8	45604	44548	45187	45191	45637	45272	45548	45145	45194	45431	44930	45007	98.344	
	9	46147	45449	45444	45315	45046	45356	44895	45439	44829	45402	45275	45337	98.568	
	10	45298	45805	44760	45329	45066	45111	45010	45322	44732	45453	45730	45269	98.379	
	11	45454	45523	45844	45968	45513	45250	45301	45051	45584	45463	44886	45540	98.830	
	12	45492	44843	45268	45341	44718	44616	45077	45043	45414	45242	45209	44800	98.048	
	13	45106	44689	45326	45773	45061	44956	44746	45081	45250	45850	44879	45076	98.181	
	14	45557	45295	45156	44852	45782	45109	45434	44861	44629	45166	45133	45254	98.260	
	15	44746	45214	44993	45147	44740	45168	45205	45080	45068	45409	45092	45848	98.166	
	16	45380	45272	45627	44923	44643	45110	45694	44835	44912	44805	45339	45084	98.150	
	17	45071	44793	45360	44865	44292	44919	44520	44607	44768	44580	44944	44688	97.386	
	18	44793	44351	44093	45022	44575	45555	44652	45258	44848	45262	44070	44889	97.379	
	19	44716	44345	45109	44398	44862	45203	44750	44304	44268	44473	44704	44456	97.057	
	20	44658	44813	45082	44953	44904	44537	44496	44393	44390	43655	45033	44527	97.030	
	21	44201	44857	44365	44175	44224	44932	43738	44296	44173	44235	44217	45199	96.517	
	22	44505	44594	44701	44804	44473	44888	45003	45133	44272	45028	44674	44067	97.157	
	23	44681	44870	45220	43888	44997	44545	44115	44414	44573	44700	44450	44635	96.965	
14	0	44562	44493	44171	44635	44837	44173	45227	44272	45429	44737	44797	43977	97.002	
	1	45066	44785	44180	44235	45028	44655	44800	44241	44531	45516	44479	44549	97.142	
	2	45045	45350	45026	44356	44544	45012	45023	44615	44894	45172	44558	44920	97.586	
	3	45139	44922	44947	45049	44719	44752	44094	45189	44866	44530	45187	44637	97.499	
	4	44604	44943	44659	44779	45086	44591	44923	44251	44973	44797	44711	44156	97.216	
	5	44416	44662	45066	44604	44778	44964	44874	44645	44864	44464	45158	44828	97.370	
	6	44909	44572	44905	45162	45054	44637	45136	44645	44552	45221	45277	45542	97.786	
	7	45243	44765	44765	45156	45394	44547	45113	45247	44805	45258	45110	45235	97.971	
	8	45277	44895	45003	45335	44326	45035	44594	45280	45103	45426	44970	45296	97.953	
	9	45036	44711	45228	45173	45753	45272	44727	45298	44630	45113	45010	45556	98.129	
	10	45033	45184	44816	44895	44760	45029	44667	44579	44774	45012	45462	44285	97.583	
	11	44825	45255	44575	44875	44959	44618	44745	45498	44906	44672	44989	45163	97.689	
	12	44808	44694	45329	45096	44286	44621	44991	45209	44786	45117	45127	44438	97.584	
	13	44749	45336	44932	44746	44722	44389	44666	45203	44132	44948	44359	45239	97.388	
	14	44773	45026	45012	45041	45079	44470	44499	45151	44497	44545	44680	45390	97.523	
	15	45138	44481	45045	45407	44292	43867	44977	44838	45020	44456	44193	44814	97.227	
	16	44771	44923	45228	44501	44920	44457	45183	43925	44147	44780	44261	44533	97.064	
	17	44189	44731	44485	45002	44410	44590	45067	44200	45289	44605	45085	45280	97.300	
	18	45515	44318	44218	45009	44541	44804	44203	44038	44233	44280	44620	44373	96.796	
	19	44476	44302	44564	43917	44142	44561	44001	44569	44199	44237	44779	44483	96.448	
	20	44838	44500	44022	44282	44003	44791	44200	44360	43690	44146	44307	44697	96.376	
	21	44400	44051	44721	44016	44295	44533	44247	44000	44380	44535	44384	44246	96.371	
	22	45079	44417	44209	45281	44142	44196	44401	43669	44894	44020	44278	44625	96.626	
	23	43810	44509	44329	44165	44257	44663	44701	44547	44437	44172	44167	44338	96.423	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44208	44191	44750	44113	43992	44319	43858	44242	44126	44330	44227	44416	96.185	
	1	44225	44359	44575	44411	44050	44503	44678	44414	44447	44459	44512	43938	96.509	
	2	44407	44297	44031	44456	44856	44004	44968	44827	44380	43851	44155	44392	96.519	
	3	44561	44734	44571	44053	44396	43646	44480	44282	44562	43998	44392	44295	96.400	
	4	45096	43682	44487	44402	45064	44568	44661	45408	44550	44577	44155	44164	96.916	
	5	44488	44559	45242	44736	44805	44324	44520	44880	44460	44628	44329	44085	96.960	
	6	44847	44371	44706	44605	44603	44239	44756	44381	44214	44354	44700	44068	96.740	
	7	44323	44169	45517	44234	44378	44561	44646	44749	44619	44489	45125	44733	97.048	
	8	45478	44645	44487	45072	44443	45031	44065	44942	44914	45057	44486	44866	97.400	
	9	44400	44520	44348	44225	44393	45121	45071	44855	44371	44403	45123	45360	97.165	
	10	44998	44126	44590	44668	44565	43937	44401	44669	44656	44347	44555	44631	96.794	
	11	44907	44828	45295	44940	44586	44374	44820	44529	44858	45034	43393	44675	97.174	
	12	44823	44809	44852	44820	44834	44528	45131	44905	45036	44616	44907	45096	97.558	
	13	45160	44461	44867	44064	44377	44404	45135	44496	44603	44949	45037	44340	97.111	
	14	44578	44002	43953	44440	44634	44820	44351	44379	44094	44994	44594	44170	96.589	
	15	45146	44182	44451	44556	44202	44646	45080	44849	44814	45114	44079	43855	96.945	
	16	44379	44425	44912	44480	44544	44664	44682	44530	44903	44247	45115	44505	97.020	
	17	44860	44525	44687	44154	44946	44632	44986	44269	44203	44442	44700	43823	96.810	
	18	44236	44694	44527	44001	44135	44883	43968	43872	44477	44275	44382	44068	96.319	
	19	44589	44557	44014	43889	44780	43817	44968	44412	44330	44798	44537	44203	96.568	
	20	44756	44246	44733	44489	44694	44598	44236	44715	44138	44922	44538	44150	96.808	
	21	45094	44696	43911	44308	44450	44546	44619	43993	44579	44807	44565	44470	96.775	
	22	44777	44024	44290	45500	44179	43939	45495	44404	44800	43975	44269	44576	96.810	
	23	44105	44573	44213	44607	44025	44149	44186	44541	44669	43537	44308	44605	96.319	
16	0	44450	43879	44263	43619	44372	45110	44238	44716	43844	44579	44653	45139	96.561	
	1	44396	44737	44587	44355	44370	44598	44640	44393	44777	44367	44609	44342	96.799	
	2	44784	44504	44481	44473	44528	44942	44817	44268	45030	44713	43997	44525	96.961	
	3	44846	44807	45059	44540	45338	44497	44701	44434	44963	44578	44697	44318	97.272	
	4	44668	44987	44389	44148	44356	44997	44438	44025	44269	44078	44881	44024	96.634	
	5	44300	44390	44092	44167	44233	44600	43884	44918	44363	45130	44686	44336	96.605	
	6	44267	44590	44207	45106	44771	44438	44386	44416	44200	44567	44972	44614	96.865	
	7	44275	44690	45431	44459	45183	45057	44750	44486	44881	44568	43409	44647	97.101	
	8	44888	44995	44968	45176	44698	45128	44861	44337	44003	44705	44788	44146	97.256	
	9	44411	44633	44316	44659	43989	44571	44747	44717	44531	44794	44795	45167	97.010	
	10	44430	45236	44330	45293	44782	45201	44617	44769	44744	44967	44334	44219	97.298	
	11	44955	44624	44717	45189	45691	44511	44842	44996	45152	45247	44412	44606	97.664	
	12	44609	44925	44731	44974	45260	44766	45159	45214	44463	45361	44612	45496	97.778	
	13	45331	44755	45244	44401	45000	44587	44777	44894	44136	45121	45161	44997	97.567	
	14	44645	44846	44595	44547	44594	45022	44684	44989	44936	44990	44228	45299	97.380	
	15	44087	44688	45246	45293	44416	44639	44724	44701	44819	44308	45382	44746	97.321	
	16	44814	44522	44513	44777	44378	44052	45356	44179	44703	44687	44929	45061	97.126	
	17	44680	44607	45147	44605	45116	44572	44953	44297	44457	44530	43800	44751	97.044	
	18	44840	44616	45295	44167	44521	44964	44548	44299	44292	44633	44468	45029	97.072	
	19	44203	44690	44823	44477	43901	44325	44471	44205	44673	44855	44451	44201	96.637	
	20	44508	44888	44866	44803	45191	45054	44573	44175	44831	44792	45074	44960	97.442	
	21	44444	45013	44165	44091	44444	44172	44537	44661	44358	44788	44116	44855	96.704	
	22	43875	44364	44759	44678	44648	44852	44175	44090	44584	44699	44031	44934	96.712	
	23	44332	44492	44231	44618	44294	44471	44258	44385	44119	44734	44652	44445	96.593	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	45198	44328	44315	45325	44052	44563	44615	45217	44144	44131	44261	44825	96.947	
	1	44656	44815	44892	44329	43613	44494	44297	43904	44626	44343	43946	44510	96.483	
	2	44775	45181	44822	44551	43935	44103	44301	44269	45342	44414	44785	44586	96.961	
	3	44222	44418	44552	44506	43753	44452	44536	44482	44364	44285	44606	44689	96.563	
	4	44537	44546	44838	44439	44620	44817	44431	44347	44269	44194	45196	44913	96.976	
	5	43717	44890	44394	44400	44752	44676	44543	44688	44930	44698	45068	44486	96.993	
	6	44768	45322	44416	44686	44631	44495	44175	44597	44070	44807	45285	43784	96.956	
	7	44581	44033	44717	44350	43908	44461	44156	44935	44968	45087	44773	44932	96.932	
	8	44683	44489	44552	44225	44917	44716	45101	44609	44765	44262	44192	45221	97.082	
	9	44853	45183	44604	44472	44577	44730	45219	44343	45004	44294	44453	44787	97.225	
	10	44657	44806	44778	44635	44492	44751	44451	44489	44492	44929	44560	44829	97.107	
	11	44017	44770	44561	45174	44752	45153	44871	44733	44688	44734	44758	44695	97.295	
	12	44267	44657	45017	45081	45222	44413	44899	44292	44497	44439	44993	45027	97.277	
	13	44865	44542	44941	44446	44742	44518	44900	45018	44687	44853	44333	45284	97.336	
	14	44680	44735	44173	44763	44912	45244	45370	44769	44828	45651	44261	45470	97.648	
	15	45082	44231	45424	44950	44801	44871	44921	45144	45633	44899	44601	44707	97.723	
	16	44470	44574	44272	44501	45370	44622	44664	44429	44990	44316	44638	44397	96.994	
	17	44893	44708	45338	44465	44234	44532	45154	44659	44443	44198	44835	45262	97.261	
	18	44699	44835	44689	44589	44337	44289	44623	44539	44248	44373	44331	44479	96.774	
	19	44947	44639	44753	45013	44879	44758	45038	44767	44090	44846	44186	44611	97.227	
	20	44405	44581	44700	44535	43948	44176	44476	44782	44136	44250	44455	43967	96.481	
	21	43978	44639	44698	44746	44348	45077	44561	44172	44599	44912	43863	44597	96.802	
	22	44392	44532	44632	43701	44642	44637	44424	45009	44386	44816	44963	44781	96.934	
	23	44049	44282	43971	45109	44630	44315	44689	44113	44405	45046	44528	44137	96.637	
18	0	44995	44536	44893	44301	44594	44786	44902	44832	44185	45109	45074	44460	97.250	
	1	44792	45065	44521	45083	44615	43607	45321	44781	44421	44924	45173	44985	97.364	
	2	44615	44945	45203	44966	44526	44846	44830	44355	45028	43918	45444	45119	97.456	
	3	44321	44322	44500	44832	44464	44428	44425	44849	44938	44947	44581	44560	96.980	
	4	44213	44695	44732	44458	44347	44463	44534	44608	45109	45040	44719	44507	97.026	
	5	45035	45023	45007	44974	44785	45424	44625	44808	44751	44478	44957	44797	97.614	
	6	44381	45000	44785	45256	44964	44468	45081	44480	44658	45252	44399	45012	97.446	
	7	45038	44372	45706	45281	45078	45078	45000	45022	45165	45100	45031	44719	97.962	
	8	44670	45659	44968	46040	45108	44769	44413	44696	44826	45404	44684	44813	97.865	
	9	44536	45084	45408	44673	45037	45177	44671	44583	45165	45522	45191	45544	97.963	
	10	45532	44572	45048	44879	45002	45357	45176	45629	45299	45184	44834	45683	98.254	
	11	45034	44910	45152	44954	45329	45531	45484	44988	45225	44845	45078	44656	98.071	
	12	44873	44758	45095	44679	44392	45334	46288	45104	44888	45370	44819	45242	98.008	
	13	44675	45117	44279	45414	44909	45287	44560	45533	45120	44621	45910	45230	97.975	
	14	44850	44692	44821	45017	45396	44984	45189	45286	45020	45103	44600	45252	97.894	
	15	45418	44261	44774	44673	45782	44398	45336	45357	44643	45254	44785	45154	97.826	
	16	45265	45030	45395	44965	45062	45055	44347	45627	44892	44836	45141	44214	97.825	
	17	45010	44605	44592	44904	44878	45144	44262	45309	45162	45460	45478	44473	97.724	
	18	45471	45023	44842	45087	45123	44614	44906	45151	44169	44702	44924	44626	97.609	
	19	45055	45239	45161	44638	44620	44609	45126	45150	44849	44728	45093	44422	97.618	
	20	44609	45195	45172	45003	44824	45332	44704	44838	44714	45719	44576	44727	97.749	
	21	44734	45048	44553	45104	44383	44780	44607	45326	45034	45387	44759	44723	97.573	
	22	45022	44995	44798	45161	44603	44721	44938	44838	44633	45604	44585	44777	97.616	
	23	45062	44305	44549	44474	44680	44105	44766	44698	45209	44594	44797	44868	97.150	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44578	44606	45004	44692	44653	44801	44861	44439	44917	45191	44909	44617	97.361
	1	45388	44008	44868	45025	44709	45222	44754	44798	44340	44749	45213	45044	97.515
	2	45052	45243	44166	44943	45683	44733	44281	45182	44399	44811	45274	44945	97.622
	3	45125	44099	44879	44385	44535	45640	45320	44848	44490	44933	44718	44403	97.380
	4	44890	44460	45200	45013	45892	44887	45254	44500	45247	44674	44929	45035	97.852
	5	44937	44484	45483	44784	45286	45125	44691	44754	44604	45246	45264	45181	97.827
	6	45085	44886	45191	44845	45287	44774	45243	45335	44740	44969	45191	45388	98.025
	7	45298	44691	45891	45404	45486	45000	45149	44665	45237	45191	44654	45233	98.200
	8	45226	45861	45007	45239	45000	44908	45069	45237	45684	45075	45202	45322	98.369
	9	44926	44731	45375	44830	45055	45922	44903	44949	45298	45526	45228	45143	98.198
	10	44965	44909	44749	45108	45185	45398	45352	45200	45946	45571	45769	44484	98.334
	11	45629	45323	44925	45356	45437	44984	44757	44554	44985	45181	45247	45342	98.167
	12	45339	45782	45102	45254	45331	45552	45359	45412	44915	44663	45183	44853	98.353
	13	44822	45071	45392	44941	45109	44939	45298	45038	45666	44981	45465	45319	98.225
	14	44973	45247	45160	45065	45516	44958	44422	45032	44862	45577	45022	44684	97.950
	15	45361	44961	44988	45331	45280	45280	44772	45045	45429	45385	45239	45133	98.255
	16	45003	44699	44707	45303	44890	44684	44325	44707	45052	44481	45126	44644	97.424
	17	45086	44767	44589	44883	45325	44922	44724	45575	44441	44857	45151	44194	97.586
	18	44695	44960	45057	44547	45215	45233	45460	44826	45049	45251	44671	45076	97.863
	19	44886	44659	44728	45266	45290	44835	44958	44994	44202	44486	45413	45148	97.650
	20	44521	45216	45060	45010	45052	44824	45755	45272	44849	44936	44170	45196	97.831
	21	44852	45056	45253	44720	44498	45082	44518	45143	44719	44083	44554	45009	97.400
	22	44624	44801	45463	44989	44880	44344	44675	44585	44584	44633	44832	44560	97.306
	23	44603	45224	44297	44735	45703	44861	44896	44911	45128	44937	45128	45226	97.793
20	0	45248	45322	44490	44807	44904	44984	44750	45009	44899	45277	45237	44463	97.738
	1	44804	44762	44785	45060	44940	44677	45357	44598	44260	45106	45314	45192	97.648
	2	44492	44775	45147	45710	44575	44782	45053	44692	45332	44510	44996	45230	97.728
	3	45759	45151	45136	44794	45039	45351	44549	45100	45314	44955	44948	45005	98.055
	4	44937	44885	45599	44430	45238	44705	45400	44865	44586	44338	44597	45349	97.662
	5	44959	45237	45368	45414	45084	44911	45047	45391	44809	44906	45672	44503	98.092
	6	44944	44628	44420	45037	44605	44821	45099	46058	44615	44809	45278	45018	97.735
	7	44586	44837	44734	44964	45203	44915	45184	45394	44531	44727	45791	44759	97.788
	8	45683	44887	45594	45165	44905	44975	45107	45227	45282	45008	45445	45106	98.287
	9	45181	44411	44867	45491	45224	45179	45471	44955	44980	44807	45405	44998	98.031
	10	45625	44965	44885	44635	44735	45669	45177	44984	45200	45605	44936	45291	98.165
	11	44518	44584	45302	45228	44961	44533	44742	44641	45015	45433	45229	44927	97.695
	12	45180	45258	44720	44941	44999	44961	45169	44879	45009	45057	45548	44951	97.978
	13	44638	44859	45494	44800	45733	45310	45322	45055	44386	44686	45155	45334	97.996
	14	45306	45009	45249	45318	45158	45544	44652	44797	45300	44620	44706	44825	97.944
	15	45466	45307	44889	45852	44857	44850	45011	45251	44270	45229	44670	44837	97.945
	16	44870	44963	44834	44844	44413	45384	45689	45489	45029	45082	44541	45577	97.985
	17	45203	45253	45508	44649	44887	45040	44419	44906	44400	45125	44935	45398	97.806
	18	45673	44542	45213	44971	45074	45379	45066	44744	44966	44757	45170	44184	97.808
	19	45162	45196	44984	44230	45064	44588	44650	44924	44960	44566	45067	44992	97.563
	20	45495	45128	45279	44675	44933	44217	44915	45274	44463	44774	45411	44584	97.701
	21	45328	45115	45264	44945	44398	45470	44671	45392	45404	44912	44919	45320	98.062
	22	45070	44582	45566	44926	44748	45691	45058	45201	45098	45020	45088	44725	97.998
	23	44832	44654	44669	44840	44676	45422	44815	45328	45251	45450	45263	44806	97.857

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014												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	44692	45138	44910	44988	44526	44898	44551	45084	44911	44964	45064	45226	97.713	
	1	45243	44548	44966	45377	45157	45204	45266	45003	44353	45092	44421	44915	97.773	
	2	44820	45059	44554	44791	44987	44487	45005	44844	45362	44894	45333	44903	97.683	
	3	44883	44965	44852	44839	44729	44962	45627	44620	45079	44739	44578	44891	97.632	
	4	45294	45007	45217	45618	44883	44811	44920	44657	44953	44717	44915	45163	97.885	
	5	44719	44921	45068	45583	44606	45105	44982	44815	45477	45462	44484	45264	97.943	
	6	45079	44783	45242	45351	45430	44632	44626	44810	44874	45054	45374	44658	97.840	
	7	45097	44918	45171	45716	45098	44888	45689	45016	45018	45209	45516	45086	98.295	
	8	45031	44848	45047	45016	45107	45327	44935	45042	45193	45042	44558	44844	97.854	
	9	45140	44744	45865	45302	45817	44789	45597	44733	45671	44984	45377	45151	98.430	
	10	45648	44985	45146	44847	44548	45336	45346	44826	45776	44914	45111	45565	98.227	
	11	45653	44864	44700	45572	45142	44775	45205	45918	45065	45286	45037	45264	98.305	
	12	45345	44679	45502	44984	44924	45038	45290	45076	45130	45390	45774	45296	98.296	
	13	45109	45663	45304	45207	45029	45393	45971	45359	45131	45251	45488	45123	98.586	
	14	45030	44798	45171	45406	45495	45187	45186	45834	45493	45535	45304	45010	98.481	
	15	45541	44678	45495	45237	45594	45140	44915	45449	45564	45042	45432	45678	98.538	
	16	45804	45552	45617	44862	45772	45309	45411	45037	45476	45323	44928	45166	98.627	
	17	45106	45317	45366	45010	45181	45812	45654	45807	44837	45284	45180	45606	98.610	
	18	45060	45411	45729	45569	45490	44490	45892	45524	45529	45595	45620	45525	98.840	
	19	45396	45325	45126	44706	45343	45519	45055	45161	45116	45235	45604	45327	98.384	
	20	45681	45272	45306	44900	44768	45715	45123	45208	45026	45136	44957	45602	98.344	
	21	45495	45252	45555	45720	45250	45159	45353	44843	45334	45201	45172	45060	98.471	
	22	45945	44940	44891	44895	45498	44724	45540	45334	46193	44887	45059	45218	98.422	
	23	45593	45412	46231	44874	45642	45574	46452	45556	45293	44949	45486	45576	99.059	
22	0	45409	45282	45436	45766	45391	45174	45894	45282	46026	45633	45255	45397	98.927	
	1	45129	45115	44456	45235	45376	45830	45505	44850	45356	45730	45172	45416	98.431	
	2	45096	45641	45918	45412	45059	45408	45129	45169	45335	45920	45232	45106	98.658	
	3	45888	45466	45544	45641	45080	45655	45674	45730	45288	45602	44771	45534	98.920	
	4	45208	45674	45030	45234	45124	45633	45877	44932	44866	45270	44916	45249	98.402	
	5	45144	45265	45153	44700	45296	45373	45302	45046	45814	45402	44961	45177	98.333	
	6	45599	45234	44707	45364	46070	45176	45849	45220	44457	45196	45203	45590	98.520	
	7	45543	45205	45235	45449	45076	45427	45259	45196	44972	44976	44925	44762	98.223	
	8	45085	45623	45600	45615	45849	46021	45037	45087	45390	45488	45122	45544	98.845	
	9	45508	45120	45029	45236	45262	45724	45092	45250	45667	45404	45753	45172	98.620	
	10	45576	45596	45236	44818	45371	45259	44882	45462	45307	45808	45409	45433	98.610	
	11	45962	45448	45398	45683	45265	46156	45588	45323	45375	45275	44825	45761	98.954	
	12	45899	45626	45594	45428	45622	45448	44977	45383	45410	45111	45512	45780	98.905	
	13	45327	45718	45137	45771	45481	44820	45322	45655	45272	45701	45906	45473	98.867	
	14	45758	45635	45497	45747	45175	45252	45399	45361	45161	45018	45258	45229	98.669	
	15	45586	45650	45705	45377	45135	45513	45637	45118	44918	45610	45174	45977	98.834	
	16	45421	45118	44669	45617	45526	45357	45394	46050	44843	45076	45748	45364	98.613	
	17	45345	45829	46095	45272	45113	45964	45043	45611	44831	44862	44855	45002	98.549	
	18	45284	44949	45261	44783	45715	45665	45361	45798	45524	45076	45385	44902	98.527	
	19	45247	45242	44745	45866	44807	45590	45274	45617	45772	45094	44798	44874	98.386	
	20	45820	45297	45084	45991	44934	44858	45509	44743	45094	45292	45227	45032	98.378	
	21	44827	45314	44790	44983	44922	45374	45645	45788	44951	45321	45588	45259	98.357	
	22	45132	45307	45447	45389	45296	44611	45349	44996	44876	46016	45552	45353	98.458	
	23	45528	45182	45014	45466	45020	45232	45151	45739	45240	45828	45230	45187	98.547	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	45070	45278	45052	46090	45443	44639	44898	44853	45248	45216	45872	45629	98.451	
	1	45194	44790	45132	44590	45220	45345	45528	45981	45597	45129	44905	45454	98.375	
	2	45317	45326	44716	45459	44854	45147	45563	44962	45180	45115	45372	45481	98.307	
	3	45038	45539	44911	45324	45417	45423	45241	45369	44902	45697	45717	45808	98.651	
	4	45526	45130	45268	45315	45145	45323	45367	45140	45178	45260	45107	45487	98.444	
	5	44935	45486	45714	45525	45540	45490	45539	45865	45645	45448	45916	46158	99.171	
	6	45402	45098	45324	45689	45277	45302	45686	44975	45212	45379	45752	45725	98.729	
	7	44899	45446	45577	45301	45286	45836	46240	45501	45536	45938	45530	45709	99.088	
	8	45520	45764	45929	45465	46038	45762	45089	45532	45500	45479	45280	45585	99.114	
	9	45613	45956	45756	44961	45191	45899	45153	45270	45567	45173	45242	45357	98.787	
	10	45385	45136	45337	45205	44907	45839	45712	45062	45756	45126	45372	45446	98.632	
	11	45418	45480	45483	45998	45217	45671	45900	45482	45587	45808	45476	45520	99.131	
	12	45719	45564	45493	45825	45340	45402	45845	46124	45328	46210	45608	45410	99.282	
	13	45869	45469	45098	45458	45361	45317	45571	44915	45520	45440	45411	45661	98.778	
	14	45397	45464	45377	45400	45265	45529	45879	45905	45796	46091	45928	45533	99.226	
	15	45084	45814	45234	45152	45625	45824	45073	45543	45194	45819	45340	45257	98.754	
	16	45495	45673	45812	45439	45925	45711	45400	45681	45364	45216	45825	46285	99.274	
	17	45983	45010	45532	45375	45730	45426	45338	45386	44847	44954	45628	45237	98.661	
	18	45071	45449	44905	45234	45714	44986	45032	45004	45322	45552	45197	45450	98.384	
	19	45100	45519	45340	45077	45699	45173	44675	45588	45307	45600	45551	45602	98.622	
	20	45763	45371	44841	44791	45479	45132	45420	45610	45229	45722	45198	45719	98.630	
	21	45176	45309	44568	45388	45059	45955	45726	45427	44908	45890	44776	45270	98.481	
	22	44809	44990	45613	45415	45194	45044	45748	45577	45207	45882	44746	45309	98.496	
	23	45390	45777	45128	45175	45000	45786	44973	45264	45720	45660	45285	45489	98.698	
24	0	45502	45367	45169	45336	45373	45629	45512	45378	45870	45223	45302	45388	98.768	
	1	45339	44746	45288	45446	45122	45593	45550	45929	45145	45058	45083	45604	98.563	
	2	45396	45354	45342	44935	45184	45651	45130	45442	45345	44954	45221	45129	98.414	
	3	44698	44365	45333	45323	46133	45448	44834	45851	45308	45373	45972	44890	98.495	
	4	46099	44857	45599	45057	45410	45636	45470	44632	45263	45115	45311	45239	98.524	
	5	44654	45404	45367	45462	44965	44975	44911	45336	45472	45218	45478	45757	98.399	
	6	45233	46141	45384	45900	44948	45507	45970	45833	45614	45742	45615	46051	99.294	
	7	45141	45717	46028	45448	44955	45373	45763	45657	45574	45246	45691	45255	98.916	
	8	45678	45374	45457	44805	45032	45488	45311	45859	45624	45954	45177	46032	98.905	
	9	45525	45483	45771	45665	45679	46260	45336	45331	45906	45462	45280	45577	99.174	
	10	45695	44918	45587	45366	45670	45610	45837	45695	45666	45331	45601	45336	98.999	
	11	45486	45010	45397	45249	45694	45469	45318	45691	45621	45099	45316	45737	98.777	
	12	45522	45108	45437	46049	45630	44878	45385	45850	45247	45645	45582	45972	98.998	
	13	44642	45471	45609	45543	45393	45614	45318	45870	45361	45664	45524	45285	98.815	
	14	45233	45754	45195	45570	45918	45677	45191	45579	45508	45952	46024	45237	99.095	
	15	45648	45130	45284	45060	45976	45602	45545	45074	44862	45429	45780	45066	98.663	
	16	45354	45410	45842	45520	45798	45712	45114	45137	45665	45589	45633	44943	98.892	
	17	45110	46163	45449	45522	45926	45582	44986	45289	45716	45420	45465	45283	98.927	
	18	44998	45021	45252	45693	44576	45336	45103	45479	45423	45214	45891	45241	98.440	
	19	45319	45152	45058	44731	45574	45042	44889	45567	45683	44916	45140	45004	98.232	
	20	44898	45288	45743	45156	45468	44848	44976	45404	45397	45407	45002	44913	98.308	
	21	45289	45644	45417	44989	45178	45647	45293	44723	45345	45025	45835	45252	98.515	
	22	44909	45366	44551	45084	44962	44745	44942	44413	45534	45629	44810	44492	97.754	
	23	45130	45014	45131	45569	44421	45232	45132	45171	44655	45061	45164	44962	97.972	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	
25	0	45233	45561	45412	45385	44736	44755	44834	44497	45149	45492	45223	45254	98.131	
	1	45101	45421	44748	45100	44669	45138	45074	45598	45482	45504	45072	45355	98.265	
	2	45330	45175	45121	45868	45122	44929	45717	44936	45154	45420	45359	45614	98.534	
	3	45724	45298	45635	45101	44914	45201	45389	45680	45671	46008	44974	45554	98.789	
	4	45189	45405	45175	45113	45132	45359	45851	45959	45630	45091	45350	45794	98.771	
	5	45743	45229	44783	45143	45723	45693	45357	45720	45198	45504	45277	45252	98.693	
	6	45654	45403	45204	45543	45349	45437	45628	45467	45364	45090	45809	45705	98.880	
	7	45513	45500	45489	45799	45466	45507	46016	45957	45613	45482	45516	45454	99.181	
	8	46072	44502	45955	46023	45547	44881	45523	45935	45864	45801	46141	46438	99.429	
	9	45577	45457	46148	45585	45885	45873	45730	45709	45881	45911	45269	45831	99.461	
	10	45720	45354	45708	45542	46066	45822	45323	45206	45132	46133	45591	45609	99.161	
	11	45710	44928	45297	45667	45487	45295	46007	45347	45654	45243	44989	45973	98.870	
	12	45117	45659	45752	45343	45535	45356	45396	45573	45285	45057	44838	45894	98.727	
	13	45244	46123	45650	45249	45288	45230	45213	45824	45016	44978	45374	45559	98.716	
	14	45278	45016	45002	45177	45377	46273	45271	45938	45015	45001	45334	44993	98.521	
	15	44733	45299	45019	45139	46144	45280	46089	45527	44900	45451	45366	45216	98.610	
	16	45388	45535	45485	45730	45074	45584	45497	45059	45164	45082	45119	45489	98.618	
	17	45674	45744	45161	45209	45125	45696	46131	45284	46128	45259	44673	45867	98.934	
	18	45106	45144	44968	44942	45433	45565	44963	45380	45056	45501	45243	45463	98.357	
	19	45364	45637	44654	44972	45519	45252	45460	44694	45475	45022	45290	45887	98.441	
	20	45507	45388	44797	44752	45202	45171	45252	44678	44928	45027	44885	44976	97.958	
	21	45235	45185	45177	45016	45490	45611	45691	45014	45431	45156	45303	45099	98.473	
	22	45170	45538	45303	44924	45183	45180	45402	44311	45467	44992	45103	45186	98.174	
	23	44598	44858	45648	45675	45360	45260	45396	44833	45501	45238	44978	45469	98.366	
26	0	45367	44909	45479	45147	45021	45352	45451	45245	44882	44902	45373	45078	98.259	
	1	45116	45250	45052	45147	45488	45666	45314	45573	45272	45417	45495	44874	98.520	
	2	45369	45745	45571	45161	45310	45345	45229	45748	45599	45220	44616	45108	98.584	
	3	45133	45109	45164	45177	45357	44901	45435	45709	45210	45590	46049	45326	98.610	
	4	45208	45345	45657	45293	45308	45723	45265	44873	45440	44993	45375	45462	98.570	
	5	45362	44821	45708	44856	45064	45203	45050	45408	45041	45138	45006	45385	98.226	
	6	44974	45329	45050	45813	46205	44989	45609	45164	45128	45848	45253	45635	98.761	
	7	45167	46073	45485	45474	45476	45384	45580	45674	45666	45977	45476	45328	99.081	
	8	45490	45102	45881	46232	45802	45408	45417	45684	46013	45595	46041	46090	99.442	
	9	46138	45782	46137	46096	45212	45625	45512	45779	45839	45705	45232	45802	99.462	
	10	46142	45812	46121	45801	45745	45905	45925	45955	45428	45656	45772	45835	99.685	
	11	45719	45816	45724	45532	45027	46057	44971	46257	45578	45941	45399	45085	99.143	
	12	45661	46032	45687	45921	45825	46017	45287	45873	45470	46117	45666	45312	99.463	
	13	45255	45399	45711	45097	46240	45395	45696	45225	45551	45578	45954	45805	99.107	
	14	45922	45226	45870	45261	44804	46173	45831	45513	45352	45178	45123	44996	98.807	
	15	45471	45448	45234	46044	45598	44838	44946	45240	45643	45192	45542	45804	98.762	
	16	45540	45476	45072	45721	45574	45289	45702	45825	45312	45593	45337	45058	98.852	
	17	45217	45662	45540	44782	45622	45300	45043	45281	45403	46125	45547	45389	98.745	
	18	45221	44696	45649	45663	45424	44679	45131	44919	45748	45690	45561	45636	98.583	
	19	45252	45187	44832	45270	45769	45394	45593	45321	45365	45255	45493	45398	98.604	
	20	45854	45652	45655	45500	46081	45634	45044	45604	44741	45386	45574	44914	98.877	
	21	45443	44777	45002	44809	45008	45261	45351	44995	44657	45032	45329	45722	98.107	
	22	45284	45443	45036	45095	45240	45297	45197	44648	45001	44465	45404	45276	98.106	
	23	44747	45137	44782	45248	45022	44896	45290	45620	45301	45153	45359	45384	98.207	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014												
		INAF/UNIromaTre			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
27	0	44969	45394	45567	45443	45441	44906	44902	44408	45041	44969	45703	45056	98.185
	1	45197	45197	45439	45011	45352	45231	45217	45298	45552	44726	45584	45529	98.460
	2	45567	45046	45120	45474	45067	45097	44703	45856	44342	45223	45147	45394	98.225
	3	45058	45230	45715	45267	45442	45767	45415	45397	44922	45516	45233	45152	98.601
	4	45133	44644	45349	45243	45671	45736	45205	45164	45210	44886	45117	44836	98.253
	5	45165	44909	45556	45282	45244	45935	45782	45815	45209	45398	44821	45487	98.690
	6	45392	46016	45059	45774	45817	45609	44702	45295	45295	45411	45652	46093	98.964
	7	44955	46013	45338	45106	45134	45225	45416	45829	44983	45636	45368	45837	98.733
	8	45442	45395	45842	45980	45581	44996	45404	45722	44845	45755	45512	45713	98.977
	9	45035	45155	45443	45580	45598	44945	45544	44943	45931	45703	45774	45359	98.763
	10	45281	45731	45960	45654	45735	45815	45495	45105	45324	45517	45072	45472	98.972
	11	45428	45229	45571	45382	45566	45646	45736	45621	45565	45595	46108	46126	99.228
	12	45403	45765	46109	45993	45846	45563	45617	45543	45902	45831	45657	45755	99.484
	13	46077	45327	45551	45542	45876	45648	45754	45530	45906	45295	45784	45312	99.234
	14	45685	45790	45722	45580	46161	45606	45755	45434	45415	44539	45075	45715	99.029
	15	45597	45192	45202	45696	45325	45601	45644	45458	45631	45726	45613	45371	98.953
	16	45426	45229	45623	45127	45441	45329	45225	45236	45538	45918	44924	45297	98.637
	17	44654	45401	45156	45262	45704	45140	45100	45514	44635	45658	45668	45491	98.469
	18	45343	44974	45351	45451	46094	45067	45033	45317	45795	44917	45432	44847	98.512
	19	45351	45079	45029	45234	45229	45578	45887	45479	45586	45728	45660	45783	98.874
	20	45340	45463	45259	44851	45729	44887	44702	45660	44980	45283	45014	45548	98.348
	21	45534	44846	44938	45082	45043	45974	45084	44985	44964	45287	45168	46058	98.393
	22	45361	45756	44733	44547	45144	45672	45304	44773	45265	45071	45356	44731	98.166
	23	45548	44996	45058	44861	45423	45254	45192	45233	45236	45055	44686	45039	98.142
28	0	44819	44740	45532	45172	45302	45406	44502	44534	45261	44644	45387	44740	97.864
	1	44486	45263	45025	45256	45021	45041	44999	44936	45135	44362	45000	44803	97.734
	2	45323	45490	44727	44988	45056	44776	45492	44867	44843	45041	44601	44996	97.892
	3	45542	45258	45218	45131	45143	44623	45687	44936	45085	45327	45019	45217	98.252
	4	45085	45041	45009	45170	44477	45116	45212	44996	45012	45097	45410	45204	98.006
	5	45443	45132	45643	45243	45703	45488	45548	45691	45549	44790	45141	45025	98.652
	6	44787	44663	45665	45191	44824	45855	45068	44690	45154	45139	45318	45708	98.229
	7	45449	44974	44780	45433	45734	45195	45989	46028	45645	46007	45824	45061	98.964
	8	45786	45643	46341	45554	45445	46046	45719	45731	45483	45840	45496	45646	99.438
	9	45072	45677	45950	46020	45158	45273	46273	45631	45825	45080	45167	45000	98.966
	10	45327	45486	45550	45677	45672	45555	45151	45505	45163	45226	45587	45164	98.773
	11	45303	45035	45537	45588	45482	45236	46015	45463	45055	45213	45745	45619	98.814
	12	45560	45352	45775	44695	45460	45336	46098	45806	46250	45137	44977	45493	98.932
	13	45132	45693	45695	45360	45746	45712	45465	44914	45612	45915	45640	45534	99.019
	14	46121	45371	44978	45493	45216	45630	45566	45275	45301	45445	45438	45706	98.860
	15	45669	45458	45870	45094	45885	45386	45399	45504	45611	45127	45277	45359	98.877
	16	45532	45508	45129	45743	46063	46034	45760	45344	45219	45060	46062	45249	99.070
	17	45252	45619	45960	44686	45023	45436	44960	45045	45284	45085	45393	45451	98.434
	18	45407	45611	45454	45681	45531	44553	45851	45774	45297	45461	45190	45391	98.798
	19	45460	44807	44902	44961	45114	44927	45226	45212	44880	45247	45240	44974	98.028
	20	45107	45713	45459	46010	45806	45152	45227	45202	45663	45031	45058	45599	98.767
	21	45220	45382	44570	44839	45413	45238	45478	45183	45723	45164	45075	45447	98.351
	22	44880	44925	45200	45028	45119	45236	45189	44902	44813	45599	45153	45080	98.060
	23	45705	45320	45211	45857	45260	44752	45467	45482	45294	45389	45136	44796	98.520

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	44809	45429	45643	45263	44801	45135	45598	45695	45236	45902	45404	45525	98.655	
	1	45153	45010	45102	45199	45317	45388	45583	44625	45132	45165	45918	45415	98.401	
	2	45084	44875	45299	45437	44880	45641	45168	45278	44925	45128	45277	45215	98.256	
	3	44897	45743	45628	45375	45305	45290	45575	45128	45134	45429	45284	45411	98.616	
	4	45420	45175	45226	44930	44783	45779	45112	45390	46050	45468	45553	44921	98.545	
	5	45373	44974	44786	44963	45193	45593	45739	45335	45275	45364	45906	45557	98.591	
	6	45367	45336	45406	44502	45558	45051	45851	45686	45704	45490	45894	45571	98.838	
	7	45350	45527	45145	45395	45668	45683	45371	44698	45503	45169	45364	45106	98.577	
	8	45318	45759	45464	45311	45655	45453	45095	45955	45372	45649	45313	45223	98.865	
	9	45104	45533	45529	45643	45261	45156	45334	45204	45849	45683	45527	45396	98.802	
	10	45120	45149	45265	45498	45709	45737	46123	45223	45735	45379	45402	45211	98.862	
	11	45416	45186	44565	45607	45776	45299	45169	45680	45473	45733	45742	45718	98.828	
	12	45645	45677	45433	45290	45263	45372	44936	45916	44826	45396	45376	45931	98.773	
	13	45467	44912	45725	44778	45885	45813	45090	45748	45677	45520	45285	45534	98.841	
	14	45517	45413	44845	45515	44979	45249	45478	45372	45049	45845	45150	45218	98.513	
	15	45191	45550	45247	45306	45349	46144	45331	45188	45484	45548	45473	45492	98.817	
	16	45777	45913	45802	44820	45486	45634	45087	45525	45843	45091	45723	44709	98.835	
	17	45964	45707	46067	45206	45435	44874	45259	45720	46137	45159	45139	45495	98.972	
	18	45523	45319	44926	45058	45656	45327	45172	44818	45584	45496	45034	45040	98.391	
	19	44919	45579	44948	45563	45090	45765	45327	45232	45184	45036	45130	45169	98.389	
	20	45414	45295	45684	44810	45784	45624	45315	45283	44960	45495	45423	44755	98.552	
	21	44903	45468	45565	45605	45520	45797	45665	45576	45325	44969	45256	45433	98.778	
	22	45109	45279	44995	45263	45255	45459	45107	45463	45678	45396	45649	45139	98.543	
	23	45015	45480	45187	45189	45087	45544	45490	45327	45290	45405	45275	45285	98.503	
30	0	45265	45534	45341	45266	45017	45328	44784	45186	45455	45180	45280	45418	98.403	
	1	44943	45180	45330	44702	45500	45466	45419	45616	44905	45322	45433	44896	98.347	
	2	45134	45667	45047	45358	45366	44842	45705	45834	45368	45343	45113	45492	98.629	
	3	45486	44978	45632	45097	45667	45901	45504	45420	45122	45550	44917	45134	98.655	
	4	45018	44903	45083	44813	45761	45204	46143	45965	45734	45726	45371	45144	98.738	
	5	44872	45249	45530	45962	45032	45693	45778	44966	45026	45165	45370	46595	98.805	
	6	45275	45796	45645	45196	45472	45917	45603	45605	45602	45724	45026	45554	99.019	
	7	45681	45577	44994	45798	45188	45303	45556	45524	45724	45475	45885	45236	98.932	
	8	45298	45235	45088	45619	45850	45604	45193	45155	44957	45542	46177	45107	98.730	
	9	45551	45153	45856	45476	45786	45768	45196	45635	45327	44949	45838	45463	98.943	
	10	45784	45190	44844	45716	45845	45964	45476	46104	44587	45375	45709	46364	99.117	
	11	45362	45350	45659	45974	45736	45399	45953	46021	45135	45386	45391	46254	99.237	
	12	45080	45747	45214	45583	45643	45703	45575	45755	45836	45446	44949	45062	98.869	
	13	45265	45405	46087	44987	46270	45557	45989	45182	45301	45833	45593	45624	99.141	
	14	45438	45475	45508	45498	45364	45455	45289	45863	45511	45392	45246	45657	98.888	
	15	45291	45948	45476	45591	45358	45829	46183	45745	45567	45460	45243	45567	99.171	
	16	44970	45762	45434	45064	45677	45868	45656	45174	45852	45561	46181	45214	99.018	
	17	46554	45887	45252	45390	45042	45593	45358	45633	45967	45233	45442	45514	99.099	
	18	45556	45091	45738	45375	45684	45666	45515	45270	45137	44892	45636	45050	98.692	
	19	45169	45850	45769	45245	45472	45270	45032	45186	45986	45037	45434	45657	98.781	
	20	45292	45531	45003	45503	45453	45134	45234	45186	45665	45221	45951	45610	98.722	
	21	45681	45130	45124	45200	45460	45650	45212	45251	45399	45576	45823	45347	98.735	
	22	45849	45039	45118	45355	46086	44524	45055	45336	45341	45535	45289	45458	98.578	
	23	45631	46200	45872	44951	45425	45670	45027	45528	45567	45340	45416	45913	99.041	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2014											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	
31	0	45492	45789	45425	45437	45079	45015	44897	45436	45617	45275	45282	45469	98.617	
	1	45542	45930	45642	46002	45366	44916	45107	45467	45096	45066	45392	45661	98.796	
	2	45034	46254	45489	45228	45558	45529	45921	45788	45931	45499	45297	45132	99.063	
	3	45754	45920	45347	45076	45712	45578	45268	45584	45130	45111	45459	45774	98.891	
	4	45481	45452	46058	45469	46127	45607	45460	45558	45968	45424	45692	45334	99.238	
	5	46281	45206	45473	45978	45180	45623	45260	45931	45526	45458	45832	45846	99.232	
	6	45465	46046	45603	45339	45684	45418	44933	45878	45160	45594	45988	45361	99.028	
	7	45839	45502	45857	45352	45493	45637	45533	45492	45358	44948	45618	44946	98.866	
	8	45443	45736	45097	45550	45601	45886	45031	45537	46122	45716	45709	45554	99.121	
	9	45577	45884	45669	45759	45760	45664	45278	45579	45750	45542	45314	45371	99.151	
	10	45142	45431	45680	45408	45818	45971	46054	46034	45476	45633	45621	45712	99.302	
	11	45623	45248	45316	45578	45824	45837	45731	45606	46092	45354	46105	45950	99.353	
	12	45198	45721	45837	45428	45420	45658	45964	46334	45237	45621	45206	45937	99.226	
	13	45758	45514	45654	45360	44955	46022	45467	45778	45211	45723	45870	45388	99.070	
	14	45544	45214	44650	46185	45268	45558	45328	45984	45221	46035	45629	45520	98.968	
	15	45577	44924	45026	45986	45998	45723	45609	45791	45650	45487	45793	45485	99.133	
	16	45199	45149	45740	45595	45659	45958	45691	45405	45477	45851	45213	45580	99.037	
	17	45762	45706	44968	45169	45567	45903	45068	46118	45256	45670	44865	45878	98.930	
	18	46094	45429	45164	45286	45729	45441	45983	45225	45145	46451	45068	45311	99.002	
	19	45708	45709	46100	45792	45455	45562	45219	45767	45664	45735	45440	45928	99.320	
	20	45481	45534	45963	45382	45484	45571	45559	45550	45976	46308	45759	45278	99.277	
	21	45620	45426	45217	46060	45758	45938	45351	45724	45553	45939	45496	45654	99.257	
	22	45559	45536	45620	45006	45369	45446	46107	45713	45602	45231	45218	45691	98.961	
	23	45639	45509	45237	45060	45447	45905	44964	46158	45363	46022	45226	45500	98.948	

S.V.I.R.CO. Observatory - Pressure in hectoPascal – July 2014

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	1013.81	1013.85	1013.88	1013.85	1013.80	1013.80	1013.81	1013.81	1013.82	1013.85	1013.90	1013.92	1013.84
	1	1013.90	1013.88	1013.85	1013.82	1013.82	1013.84	1013.82	1013.79	1013.82	1013.81	1013.81	1013.85	1013.83
	2	1013.87	1013.87	1013.87	1013.88	1013.89	1013.90	1013.93	1013.97	1014.02	1013.99	1013.97	1014.04	1013.93
	3	1014.11	1014.14	1014.20	1014.22	1014.28	1014.39	1014.44	1014.50	1014.57	1014.62	1014.70	1014.75	1014.41
	4	1014.77	1014.82	1014.86	1014.87	1014.88	1014.88	1014.87	1014.89	1014.93	1014.98	1015.05	1015.13	1014.91
	5	1015.21	1015.27	1015.27	1015.29	1015.33	1015.39	1015.46	1015.50	1015.54	1015.54	1015.56	1015.60	1015.41
	6	1015.63	1015.66	1015.68	1015.70	1015.72	1015.72	1015.74	1015.77	1015.80	1015.81	1015.82	1015.83	1015.74
	7	1015.86	1015.87	1015.86	1015.89	1015.91	1015.92	1015.94	1015.92	1015.90	1015.91	1015.92	1015.90	1015.90
	8	1015.89	1015.88	1015.88	1015.89	1015.89	1015.91	1015.93	1015.95	1015.94	1015.91	1015.93	1015.95	1015.91
	9	1015.94	1015.92	1015.92	1015.92	1015.91	1015.95	1015.98	1015.97	1015.97	1016.01	1016.06	1016.11	1015.97
	10	1016.16	1016.17	1016.18	1016.16	1016.12	1016.15	1016.23	1016.21	1016.18	1016.19	1016.17	1016.19	1016.17
	11	1016.19	1016.17	1016.22	1016.24	1016.19	1016.17	1016.15	1016.14	1016.13	1016.13	1016.13	1016.16	1016.17
	12	1016.18	1016.17	1016.14	1016.10	1016.07	1016.02	1015.97	1015.95	1015.90	1015.84	1015.81	1015.75	1015.99
	13	1015.72	1015.76	1015.82	1015.82	1015.80	1015.80	1015.81	1015.86	1015.96	1016.04	1016.03	1016.01	1015.87
	14	1016.04	1016.02	1015.96	1015.92	1015.88	1015.84	1015.82	1015.80	1015.75	1015.75	1015.73	1015.72	1015.85
	15	1015.72	1015.68	1015.67	1015.65	1015.63	1015.58	1015.57	1015.56	1015.51	1015.47	1015.43	1015.42	1015.57
	16	1015.38	1015.40	1015.48	1015.52	1015.58	1015.62	1015.65	1015.68	1015.67	1015.76	1015.92	1016.01	1015.64
	17	1016.07	1016.10	1016.13	1016.15	1016.15	1016.15	1016.21	1016.24	1016.28	1016.28	1016.29	1016.34	1016.20
	18	1016.40	1016.49	1016.51	1016.52	1016.54	1016.57	1016.66	1016.73	1016.75	1016.78	1016.85	1016.82	1016.63
	19	1016.78	1016.79	1016.81	1016.83	1016.86	1016.91	1016.95	1017.04	1017.10	1017.12	1017.14	1017.13	1016.95
	20	1017.16	1017.20	1017.21	1017.21	1017.21	1017.20	1017.23	1017.26	1017.22	1017.24	1017.26	1017.26	1017.22
	21	1017.24	1017.23	1017.21	1017.21	1017.21	1017.21	1017.21	1017.20	1017.21	1017.21	1017.19	1017.15	1017.20
	22	1017.16	1017.19	1017.25	1017.25	1017.22	1017.16	1017.06	1016.98	1016.93	1016.90	1016.81	1016.71	1017.05
	23	1016.64	1016.62	1016.58	1016.57	1016.59	1016.58	1016.57	1016.58	1016.60	1016.58	1016.63	1016.70	1016.60
2	0	1016.70	1016.71	1016.74	1016.75	1016.75	1016.76	1016.74	1016.70	1016.67	1016.67	1016.68	1016.67	1016.71
	1	1016.64	1016.64	1016.64	1016.63	1016.59	1016.55	1016.54	1016.62	1016.68	1016.70	1016.71	1016.66	1016.63
	2	1016.63	1016.68	1016.73	1016.77	1016.77	1016.79	1016.81	1016.77	1016.77	1016.79	1016.84	1016.86	1016.76
	3	1016.83	1016.79	1016.72	1016.72	1016.77	1016.80	1016.80	1016.83	1016.95	1017.06	1017.16	1017.23	1016.89
	4	1017.24	1017.27	1017.30	1017.31	1017.34	1017.33	1017.28	1017.25	1017.29	1017.33	1017.33	1017.39	1017.30
	5	1017.46	1017.52	1017.57	1017.60	1017.61	1017.60	1017.62	1017.67	1017.71	1017.76	1017.83	1017.88	1017.65
	6	1017.92	1017.96	1018.00	1018.02	1017.98	1017.92	1017.86	1017.88	1017.91	1017.93	1017.99	1018.07	1017.95
	7	1018.12	1018.11	1018.12	1018.10	1018.08	1018.04	1017.99	1017.96	1017.96	1017.94	1017.95	1017.97	1018.03
	8	1017.97	1017.99	1018.05	1018.12	1018.20	1018.26	1018.30	1018.29	1018.24	1018.26	1018.29	1018.29	1018.18
	9	1018.29	1018.28	1018.31	1018.36	1018.38	1018.43	1018.48	1018.54	1018.57	1018.58	1018.62	1018.60	1018.45
	10	1018.60	1018.67	1018.69	1018.64	1018.63	1018.66	1018.70	1018.72	1018.70	1018.70	1018.70	1018.69	1018.67
	11	1018.67	1018.64	1018.60	1018.56	1018.55	1018.56	1018.53	1018.54	1018.55	1018.54	1018.56	1018.51	1018.57
	12	1018.44	1018.41	1018.36	1018.28	1018.22	1018.25	1018.31	1018.34	1018.34	1018.26	1018.19	1018.19	1018.30
	13	1018.15	1018.13	1018.12	1018.10	1018.10	1018.11	1018.09	1018.06	1018.06	1018.05	1018.05	1018.06	1018.09
	14	1018.05	1018.06	1018.07	1018.03	1017.98	1017.93	1017.90	1017.88	1017.86	1017.82	1017.78	1017.80	1017.93
	15	1017.84	1017.85	1017.86	1017.87	1017.87	1017.86	1017.88	1017.89	1017.85	1017.85	1017.90	1017.91	1017.87
	16	1017.94	1017.96	1017.94	1017.94	1017.95	1017.99	1018.08	1018.12	1018.12	1018.13	1018.23	1018.31	1018.06
	17	1018.24	1018.29	1018.43	1018.55	1018.71	1018.93	1018.97	1018.90	1018.86	1018.99	1019.19	1019.25	1018.77
	18	1019.28	1019.29	1019.42	1019.57	1019.62	1019.66	1019.65	1019.63	1019.66	1019.67	1019.67	1019.71	1019.57
	19	1019.68	1019.67	1019.72	1019.78	1019.88	1019.92	1019.86	1019.81	1019.82	1019.92	1019.97	1020.00	1019.84
	20	1020.04	1020.09	1020.12	1020.13	1020.21	1020.30	1020.39	1020.41	1020.35	1020.34	1020.40	1020.43	1020.27
	21	1020.37	1020.27	1020.26	1020.32	1020.39	1020.47	1020.58	1020.59	1020.57	1020.62	1020.71	1020.81	1020.49
	22	1020.85	1020.89	1020.88	1020.80	1020.76	1020.76	1020.73	1020.66	1020.58	1020.47	1020.36	1020.29	1020.67
	23	1020.26	1020.33	1020.42	1020.43	1020.42	1020.43	1020.44	1020.43	1020.40	1020.42	1020.50	1020.54	1020.42

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1020.45	1020.47	1020.51	1020.52	1020.51	1020.53	1020.56	1020.53	1020.47	1020.47	1020.47	1020.43	1020.49
	1	1020.49	1020.54	1020.53	1020.52	1020.47	1020.40	1020.38	1020.34	1020.29	1020.27	1020.26	1020.24	1020.39
	2	1020.26	1020.34	1020.39	1020.40	1020.48	1020.63	1020.74	1020.80	1020.78	1020.73	1020.71	1020.69	1020.58
	3	1020.69	1020.73	1020.73	1020.71	1020.68	1020.62	1020.59	1020.61	1020.61	1020.57	1020.56	1020.60	1020.64
	4	1020.66	1020.77	1020.98	1021.18	1021.32	1021.46	1021.62	1021.76	1021.91	1021.98	1021.95	1021.93	1021.46
	5	1021.93	1021.98	1022.02	1021.95	1021.89	1021.87	1021.76	1021.57	1021.41	1021.29	1021.29	1021.33	1021.69
	6	1021.38	1021.38	1021.31	1021.37	1021.50	1021.55	1021.64	1021.81	1021.81	1021.80	1021.90	1021.96	1021.62
	7	1021.87	1021.78	1021.89	1022.02	1022.05	1022.05	1022.05	1022.07	1022.03	1021.87	1021.72	1021.74	1021.93
	8	1021.77	1021.77	1021.69	1021.64	1021.66	1021.60	1021.55	1021.62	1021.67	1021.66	1021.69	1021.66	1021.66
	9	1021.60	1021.57	1021.51	1021.44	1021.45	1021.50	1021.61	1021.69	1021.59	1021.52	1021.55	1021.57	1021.55
	10	1021.57	1021.54	1021.47	1021.39	1021.37	1021.38	1021.37	1021.29	1021.20	1021.18	1021.15	1021.12	1021.33
	11	1021.14	1021.20	1021.20	1021.14	1021.09	1021.10	1021.11	1021.13	1021.14	1021.17	1021.20	1021.15	1021.14
	12	1021.07	1021.07	1021.05	1021.01	1020.99	1020.96	1020.90	1020.84	1020.82	1020.85	1020.94	1021.03	1020.96
	13	1021.08	1021.13	1021.17	1021.19	1021.24	1021.31	1021.40	1021.51	1021.54	1021.52	1021.49	1021.46	1021.34
	14	1021.49	1021.52	1021.53	1021.50	1021.50	1021.42	1021.34	1021.30	1021.23	1021.22	1021.25	1021.26	1021.38
	15	1021.23	1021.18	1021.12	1021.01	1020.89	1020.83	1020.80	1020.78	1020.76	1020.69	1020.63	1020.67	1020.88
	16	1020.72	1020.72	1020.68	1020.59	1020.51	1020.51	1020.52	1020.51	1020.50	1020.49	1020.49	1020.45	1020.55
	17	1020.39	1020.38	1020.45	1020.48	1020.49	1020.52	1020.55	1020.53	1020.46	1020.41	1020.39	1020.39	1020.45
	18	1020.36	1020.27	1020.19	1020.16	1020.14	1020.10	1020.09	1020.09	1020.03	1019.97	1019.94	1019.87	1020.10
	19	1019.81	1019.82	1019.87	1019.93	1019.99	1020.00	1020.02	1020.06	1020.11	1020.14	1020.12	1020.10	1020.00
	20	1020.10	1020.10	1020.12	1020.19	1020.27	1020.30	1020.30	1020.28	1020.24	1020.20	1020.18	1020.18	1020.20
	21	1020.22	1020.21	1020.16	1020.10	1020.05	1020.06	1020.09	1020.06	1020.06	1020.06	1020.04	1020.01	1020.09
	22	1020.00	1020.01	1019.95	1019.89	1019.84	1019.80	1019.77	1019.77	1019.78	1019.71	1019.64	1019.58	1019.81
	23	1019.53	1019.47	1019.40	1019.34	1019.29	1019.28	1019.27	1019.26	1019.24	1019.18	1019.12	1019.07	1019.28
4	0	1018.99	1018.96	1018.87	1018.78	1018.73	1018.69	1018.66	1018.63	1018.58	1018.52	1018.47	1018.48	1018.68
	1	1018.48	1018.43	1018.42	1018.38	1018.31	1018.29	1018.28	1018.27	1018.30	1018.26	1018.17	1018.14	1018.31
	2	1018.11	1018.07	1018.08	1018.10	1018.10	1018.13	1018.16	1018.17	1018.18	1018.20	1018.22	1018.20	1018.14
	3	1018.18	1018.19	1018.26	1018.31	1018.36	1018.39	1018.42	1018.45	1018.47	1018.47	1018.46	1018.44	1018.36
	4	1018.48	1018.49	1018.44	1018.40	1018.36	1018.36	1018.37	1018.31	1018.32	1018.37	1018.41	1018.48	1018.40
	5	1018.51	1018.56	1018.50	1018.37	1018.30	1018.33	1018.29	1018.12	1018.02	1017.93	1017.88	1017.90	1018.22
	6	1017.89	1017.89	1017.89	1017.86	1017.84	1017.83	1017.89	1017.97	1018.04	1018.08	1018.05	1017.97	1017.93
	7	1017.94	1017.95	1017.90	1017.82	1017.77	1017.84	1017.91	1017.93	1018.03	1018.16	1018.25	1018.17	1017.97
	8	1018.00	1017.89	1017.89	1017.87	1017.73	1017.63	1017.56	1017.51	1017.42	1017.42	1017.48	1017.57	1017.66
	9	1017.72	1017.86	1017.98	1018.01	1017.94	1017.76	1017.65	1017.60	1017.55	1017.46	1017.33	1017.29	1017.68
	10	1017.25	1017.12	1017.09	1017.04	1016.88	1016.76	1016.62	1016.42	1016.24	1016.12	1016.06	1016.23	1016.65
	11	1016.56	1016.62	1016.47	1016.28	1016.11	1016.00	1015.83	1015.71	1015.69	1015.56	1015.39	1015.36	1015.96
	12	1015.32	1015.24	1015.15	1015.00	1014.81	1014.60	1014.51	1014.36	1014.29	1014.59	1015.07	1015.55	1014.87
	13	1015.80	1015.62	1015.45	1015.46	1015.37	1015.20	1015.06	1014.98	1014.92	1014.90	1014.85	1014.78	1015.20
	14	1014.69	1014.59	1014.46	1014.25	1014.09	1014.03	1014.11	1014.40	1014.52	1014.30	1014.17	1014.33	1014.33
	15	1014.50	1014.51	1014.51	1014.50	1014.44	1014.35	1014.31	1014.43	1014.55	1014.49	1014.37	1014.31	1014.44
	16	1014.38	1014.43	1014.48	1014.53	1014.36	1014.15	1014.01	1013.95	1014.14	1014.24	1013.97	1013.77	1014.20
	17	1013.66	1013.57	1013.72	1013.85	1013.54	1013.19	1013.12	1012.92	1012.91	1013.16	1013.22	1013.48	1013.36
	18	1013.64	1013.62	1013.88	1013.90	1013.92	1013.97	1013.73	1013.54	1013.66	1013.80	1013.64	1013.49	1013.73
	19	1013.55	1013.85	1013.98	1014.08	1014.28	1014.17	1013.90	1013.62	1013.60	1013.62	1013.51	1013.87	1013.83
	20	1014.01	1013.84	1014.04	1014.16	1014.07	1014.12	1014.26	1014.38	1014.50	1014.41	1014.12	1014.09	1014.16
	21	1014.26	1014.22	1014.15	1014.09	1014.02	1013.85	1013.90	1014.11	1014.17	1014.13	1014.10	1014.12	1014.09
	22	1014.16	1014.15	1014.06	1013.97	1013.91	1013.85	1013.76	1013.69	1013.70	1013.79	1013.77	1013.71	1013.87
	23	1013.69	1013.63	1013.55	1013.56	1013.55	1013.50	1013.48	1013.41	1013.39	1013.35	1013.22	1013.11	1013.45

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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	1013.10	1013.12	1013.15	1013.17	1013.09	1013.01	1012.98	1012.97	1012.98	1013.00	1013.01	1012.99	1013.04
	1	1012.98	1012.94	1012.89	1012.86	1012.85	1012.81	1012.75	1012.70	1012.66	1012.64	1012.60	1012.58	1012.77
	2	1012.55	1012.45	1012.39	1012.38	1012.35	1012.31	1012.30	1012.33	1012.34	1012.29	1012.24	1012.17	1012.34
	3	1012.09	1012.03	1011.97	1011.95	1011.92	1011.84	1011.79	1011.78	1011.71	1011.62	1011.60	1011.61	1011.82
	4	1011.62	1011.55	1011.52	1011.58	1011.61	1011.59	1011.56	1011.54	1011.52	1011.53	1011.56	1011.55	1011.56
	5	1011.55	1011.55	1011.55	1011.60	1011.63	1011.64	1011.61	1011.58	1011.55	1011.58	1011.63	1011.66	1011.59
	6	1011.67	1011.65	1011.65	1011.68	1011.68	1011.69	1011.73	1011.75	1011.75	1011.76	1011.80	1011.82	1011.72
	7	1011.85	1011.89	1011.90	1011.92	1011.91	1011.91	1011.93	1011.91	1011.90	1011.93	1011.99	1012.05	1011.92
	8	1012.07	1012.06	1012.03	1012.00	1011.99	1012.01	1012.06	1012.11	1012.12	1012.10	1012.09	1012.09	1012.06
	9	1012.10	1012.07	1012.02	1011.99	1011.95	1011.92	1011.94	1011.94	1011.94	1011.95	1011.97	1011.99	1011.98
	10	1012.00	1011.99	1011.93	1011.94	1012.00	1012.02	1012.01	1012.01	1011.98	1011.94	1011.99	1012.00	1011.98
	11	1011.95	1011.95	1011.98	1011.97	1011.94	1011.96	1011.99	1011.99	1011.98	1011.98	1011.99	1011.97	1011.97
	12	1011.93	1011.92	1011.92	1011.93	1011.96	1011.95	1011.88	1011.84	1011.83	1011.79	1011.75	1011.72	1011.87
	13	1011.69	1011.68	1011.68	1011.65	1011.60	1011.54	1011.52	1011.54	1011.61	1011.68	1011.72	1011.70	1011.63
	14	1011.68	1011.71	1011.74	1011.75	1011.75	1011.70	1011.67	1011.67	1011.65	1011.62	1011.57	1011.54	1011.67
	15	1011.54	1011.51	1011.47	1011.46	1011.45	1011.45	1011.42	1011.42	1011.41	1011.41	1011.44	1011.43	1011.45
	16	1011.40	1011.41	1011.41	1011.41	1011.44	1011.45	1011.45	1011.46	1011.49	1011.52	1011.56	1011.62	1011.47
	17	1011.64	1011.66	1011.67	1011.67	1011.66	1011.67	1011.69	1011.72	1011.77	1011.80	1011.82	1011.84	1011.71
	18	1011.85	1011.89	1011.91	1011.91	1011.92	1011.95	1011.95	1011.95	1011.98	1011.99	1012.01	1012.05	1011.95
	19	1012.09	1012.13	1012.18	1012.21	1012.25	1012.31	1012.40	1012.50	1012.60	1012.68	1012.73	1012.78	1012.40
	20	1012.85	1012.93	1013.00	1013.05	1013.07	1013.11	1013.15	1013.15	1013.14	1013.16	1013.19	1013.22	1013.08
	21	1013.24	1013.26	1013.30	1013.31	1013.30	1013.31	1013.34	1013.36	1013.37	1013.37	1013.40	1013.42	1013.33
	22	1013.43	1013.44	1013.45	1013.46	1013.48	1013.53	1013.56	1013.55	1013.52	1013.50	1013.51	1013.51	1013.49
	23	1013.48	1013.48	1013.50	1013.47	1013.43	1013.41	1013.38	1013.32	1013.29	1013.26	1013.22	1013.21	1013.37
6	0	1013.20	1013.20	1013.20	1013.24	1013.25	1013.22	1013.22	1013.20	1013.16	1013.14	1013.15	1013.15	1013.19
	1	1013.16	1013.17	1013.16	1013.16	1013.20	1013.22	1013.22	1013.22	1013.24	1013.25	1013.26	1013.26	1013.21
	2	1013.26	1013.26	1013.25	1013.24	1013.22	1013.17	1013.12	1013.08	1013.10	1013.13	1013.14	1013.14	1013.17
	3	1013.14	1013.17	1013.21	1013.23	1013.27	1013.30	1013.31	1013.31	1013.32	1013.35	1013.39	1013.41	1013.28
	4	1013.41	1013.42	1013.42	1013.44	1013.47	1013.50	1013.51	1013.52	1013.54	1013.55	1013.57	1013.60	1013.49
	5	1013.64	1013.66	1013.64	1013.62	1013.62	1013.59	1013.57	1013.56	1013.53	1013.51	1013.50	1013.49	1013.58
	6	1013.52	1013.57	1013.60	1013.62	1013.61	1013.57	1013.55	1013.59	1013.62	1013.60	1013.57	1013.57	1013.58
	7	1013.61	1013.61	1013.59	1013.59	1013.59	1013.59	1013.61	1013.61	1013.61	1013.61	1013.64	1013.65	1013.61
	8	1013.61	1013.57	1013.55	1013.51	1013.48	1013.48	1013.50	1013.52	1013.54	1013.53	1013.51	1013.50	1013.52
	9	1013.50	1013.52	1013.55	1013.55	1013.52	1013.49	1013.46	1013.45	1013.44	1013.43	1013.45	1013.46	1013.48
	10	1013.45	1013.42	1013.43	1013.46	1013.44	1013.43	1013.45	1013.45	1013.44	1013.44	1013.42	1013.40	1013.44
	11	1013.39	1013.37	1013.39	1013.41	1013.45	1013.49	1013.52	1013.53	1013.55	1013.58	1013.58	1013.61	1013.49
	12	1013.60	1013.59	1013.62	1013.65	1013.64	1013.66	1013.68	1013.71	1013.76	1013.80	1013.81	1013.80	1013.69
	13	1013.77	1013.76	1013.77	1013.77	1013.80	1013.79	1013.73	1013.69	1013.69	1013.67	1013.63	1013.58	1013.72
	14	1013.54	1013.52	1013.48	1013.43	1013.39	1013.38	1013.37	1013.33	1013.27	1013.28	1013.30	1013.26	1013.38
	15	1013.24	1013.24	1013.24	1013.23	1013.18	1013.16	1013.16	1013.18	1013.19	1013.16	1013.14	1013.12	1013.18
	16	1013.11	1013.15	1013.18	1013.17	1013.15	1013.11	1013.11	1013.13	1013.14	1013.14	1013.14	1013.15	1013.14
	17	1013.14	1013.12	1013.08	1013.07	1013.08	1013.09	1013.14	1013.17	1013.20	1013.23	1013.28	1013.32	1013.16
	18	1013.36	1013.35	1013.35	1013.37	1013.39	1013.43	1013.45	1013.44	1013.48	1013.55	1013.55	1013.57	1013.44
	19	1013.63	1013.69	1013.75	1013.81	1013.86	1013.89	1013.93	1013.98	1014.08	1014.15	1014.14	1014.13	1013.92
	20	1014.09	1014.11	1014.15	1014.10	1014.05	1014.05	1014.10	1014.15	1014.16	1014.16	1014.14	1014.12	1014.11
	21	1014.14	1014.16	1014.21	1014.26	1014.19	1014.13	1014.13	1014.14	1014.16	1014.18	1014.17	1014.18	1014.17
	22	1014.24	1014.37	1014.46	1014.44	1014.44	1014.53	1014.56	1014.51	1014.55	1014.57	1014.54	1014.54	1014.48
	23	1014.52	1014.46	1014.45	1014.48	1014.52	1014.58	1014.59	1014.57	1014.56	1014.49	1014.45	1014.43	1014.50

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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	1014.38	1014.37	1014.40	1014.47	1014.52	1014.55	1014.59	1014.62	1014.67	1014.65	1014.58	1014.52	1014.53
	1	1014.42	1014.35	1014.38	1014.41	1014.39	1014.35	1014.30	1014.22	1014.21	1014.20	1014.16	1014.12	1014.29
	2	1014.09	1014.14	1014.20	1014.17	1014.12	1014.11	1014.17	1014.28	1014.31	1014.30	1014.27	1014.25	1014.20
	3	1014.30	1014.37	1014.38	1014.37	1014.35	1014.36	1014.34	1014.23	1014.15	1014.17	1014.29	1014.39	1014.31
	4	1014.48	1014.57	1014.56	1014.61	1014.71	1014.76	1014.74	1014.70	1014.66	1014.65	1014.69	1014.72	1014.65
	5	1014.77	1014.76	1014.69	1014.74	1014.83	1014.87	1014.88	1014.96	1015.03	1015.11	1015.15	1015.05	1014.90
	6	1015.04	1015.07	1015.07	1015.11	1015.12	1015.16	1015.14	1015.09	1015.14	1015.21	1015.26	1015.30	1015.14
	7	1015.29	1015.27	1015.23	1015.15	1015.07	1015.05	1015.13	1015.18	1015.17	1015.21	1015.26	1015.28	1015.19
	8	1015.25	1015.18	1015.20	1015.37	1015.52	1015.52	1015.55	1015.66	1015.74	1015.77	1015.73	1015.70	1015.51
	9	1015.77	1015.79	1015.82	1015.95	1016.02	1016.02	1015.99	1015.95	1015.91	1015.97	1016.12	1016.19	1015.96
	10	1016.14	1016.04	1015.86	1015.74	1015.64	1015.51	1015.28	1015.12	1015.06	1014.94	1014.93	1014.99	1015.44
	11	1014.97	1014.81	1014.72	1014.77	1014.69	1014.62	1014.68	1014.59	1014.47	1014.63	1014.83	1014.86	1014.72
	12	1014.83	1014.75	1014.71	1014.83	1014.93	1014.94	1015.04	1015.11	1015.23	1015.41	1015.41	1015.35	1015.04
	13	1015.36	1015.35	1015.34	1015.40	1015.48	1015.46	1015.50	1015.61	1015.69	1015.72	1015.73	1015.81	1015.54
	14	1015.86	1015.89	1015.90	1015.84	1015.77	1015.59	1015.23	1015.07	1015.26	1015.44	1015.48	1015.39	1015.56
	15	1015.27	1015.12	1014.88	1014.50	1014.26	1014.29	1014.02	1013.74	1013.66	1013.70	1013.72	1013.42	1014.21
	16	1013.13	1012.98	1012.94	1013.14	1013.30	1013.26	1013.22	1013.27	1013.34	1013.20	1013.11	1013.17	1013.17
	17	1013.15	1013.08	1013.04	1013.04	1013.00	1012.94	1013.00	1013.15	1013.27	1013.41	1013.60	1013.91	1013.21
	18	1014.28	1014.52	1014.65	1014.63	1014.42	1014.25	1014.07	1013.81	1013.54	1013.40	1013.36	1013.34	1014.02
	19	1013.34	1013.17	1012.86	1012.56	1012.41	1012.43	1012.53	1012.69	1012.71	1012.54	1012.42	1012.35	1012.67
	20	1012.34	1012.41	1012.44	1012.42	1012.46	1012.51	1012.48	1012.35	1012.15	1012.04	1012.02	1012.00	1012.30
	21	1011.99	1011.93	1011.86	1011.84	1011.86	1011.90	1011.88	1011.74	1011.58	1011.52	1011.54	1011.56	1011.76
	22	1011.42	1011.22	1011.22	1011.71	1012.46	1012.65	1012.27	1011.82	1011.42	1011.35	1011.35	1011.22	1011.67
	23	1011.22	1011.34	1011.62	1011.84	1011.75	1011.75	1011.88	1012.25	1012.55	1012.38	1012.28	1012.11	1011.91
8	0	1011.66	1011.92	1012.24	1012.11	1011.74	1011.48	1011.28	1011.07	1010.92	1010.80	1010.68	1010.57	1011.36
	1	1010.56	1010.71	1010.92	1011.10	1011.05	1010.74	1010.42	1010.21	1010.05	1009.87	1009.70	1009.61	1010.41
	2	1009.41	1009.19	1009.15	1009.09	1009.02	1008.89	1008.84	1008.89	1009.01	1009.22	1009.35	1009.41	1009.12
	3	1009.43	1009.47	1009.64	1009.76	1009.69	1009.61	1009.68	1009.78	1009.82	1009.81	1009.75	1009.71	1009.68
	4	1009.70	1009.59	1009.43	1009.39	1009.47	1009.56	1009.62	1009.62	1009.57	1009.56	1009.59	1009.64	1009.56
	5	1009.65	1009.63	1009.62	1009.61	1009.60	1009.57	1009.54	1009.50	1009.49	1009.50	1009.52	1009.59	1009.57
	6	1009.67	1009.67	1009.61	1009.55	1009.57	1009.65	1009.70	1009.69	1009.69	1009.70	1009.71	1009.75	1009.66
	7	1009.78	1009.84	1009.89	1009.97	1010.02	1009.97	1009.97	1010.00	1010.04	1010.09	1010.14	1010.20	1009.99
	8	1010.21	1010.21	1010.24	1010.26	1010.28	1010.34	1010.38	1010.39	1010.38	1010.35	1010.35	1010.41	1010.31
	9	1010.47	1010.47	1010.44	1010.45	1010.46	1010.49	1010.53	1010.52	1010.54	1010.59	1010.62	1010.64	1010.52
	10	1010.61	1010.60	1010.62	1010.65	1010.62	1010.56	1010.54	1010.58	1010.60	1010.61	1010.63	1010.62	1010.60
	11	1010.57	1010.50	1010.47	1010.47	1010.53	1010.63	1010.71	1010.73	1010.75	1010.78	1010.77	1010.76	1010.64
	12	1010.76	1010.79	1010.83	1010.79	1010.79	1010.85	1010.88	1010.93	1010.94	1010.95	1011.00	1011.02	1010.88
	13	1011.03	1011.05	1011.02	1010.99	1010.94	1010.88	1010.85	1010.82	1010.72	1010.67	1010.69	1010.65	1010.86
	14	1010.62	1010.62	1010.61	1010.58	1010.52	1010.52	1010.54	1010.50	1010.47	1010.47	1010.50	1010.54	1010.54
	15	1010.56	1010.51	1010.49	1010.49	1010.45	1010.42	1010.40	1010.38	1010.34	1010.31	1010.24	1010.15	1010.39
	16	1010.14	1010.14	1010.11	1010.10	1010.13	1010.10	1010.04	1010.04	1010.07	1010.06	1010.05	1010.04	1010.08
	17	1010.02	1010.06	1010.08	1010.08	1010.09	1010.11	1010.15	1010.17	1010.18	1010.17	1010.19	1010.20	1010.12
	18	1010.24	1010.30	1010.32	1010.30	1010.27	1010.29	1010.30	1010.29	1010.32	1010.32	1010.33	1010.34	1010.30
	19	1010.33	1010.32	1010.31	1010.34	1010.40	1010.43	1010.47	1010.53	1010.58	1010.64	1010.69	1010.73	1010.48
	20	1010.74	1010.75	1010.78	1010.77	1010.76	1010.78	1010.75	1010.69	1010.66	1010.65	1010.65	1010.63	1010.71
	21	1010.63	1010.64	1010.67	1010.69	1010.67	1010.70	1010.71	1010.65	1010.64	1010.64	1010.63	1010.63	1010.66
	22	1010.64	1010.68	1010.66	1010.60	1010.58	1010.56	1010.55	1010.53	1010.51	1010.51	1010.50	1010.47	1010.56
	23	1010.45	1010.44	1010.38	1010.29	1010.19	1010.10	1010.03	1009.98	1009.98	1009.99	1009.97	1009.96	1010.14

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
9	0	1009.90	1009.88	1009.82	1009.78	1009.74	1009.69	1009.66	1009.66	1009.69	1009.71	1009.67	1009.57	1009.72
	1	1009.50	1009.46	1009.44	1009.42	1009.41	1009.41	1009.43	1009.44	1009.42	1009.38	1009.30	1009.20	1009.40
	2	1009.14	1009.14	1009.16	1009.14	1009.11	1009.04	1009.00	1008.99	1008.98	1008.97	1008.98	1008.98	1009.05
	3	1008.97	1008.95	1008.95	1008.98	1009.03	1009.08	1009.10	1009.08	1009.05	1009.05	1009.08	1009.10	1009.03
	4	1009.10	1009.11	1009.12	1009.12	1009.10	1009.10	1009.12	1009.14	1009.15	1009.15	1009.14	1009.14	1009.12
	5	1009.18	1009.21	1009.21	1009.16	1009.10	1009.09	1009.07	1009.06	1009.08	1009.07	1009.03	1008.99	1009.10
	6	1008.97	1008.98	1009.00	1009.01	1009.00	1009.00	1009.02	1009.04	1009.06	1009.06	1009.06	1009.09	1009.02
	7	1009.12	1009.16	1009.18	1009.18	1009.19	1009.18	1009.20	1009.20	1009.21	1009.24	1009.22	1009.22	1009.19
	8	1009.28	1009.29	1009.25	1009.20	1009.20	1009.19	1009.18	1009.18	1009.12	1009.09	1009.11	1009.13	1009.18
	9	1009.12	1009.07	1009.05	1009.11	1009.19	1009.19	1009.16	1009.18	1009.22	1009.22	1009.19	1009.15	1009.15
	10	1009.12	1009.12	1009.15	1009.15	1009.10	1009.10	1009.14	1009.15	1009.17	1009.15	1009.11	1009.10	1009.13
	11	1009.11	1009.13	1009.12	1009.07	1009.07	1009.10	1009.07	1009.02	1008.98	1008.96	1008.89	1008.85	1009.03
	12	1008.82	1008.85	1008.89	1008.82	1008.81	1008.84	1008.84	1008.78	1008.72	1008.71	1008.64	1008.64	1008.78
	13	1008.63	1008.61	1008.69	1008.68	1008.65	1008.63	1008.58	1008.57	1008.61	1008.57	1008.49	1008.48	1008.60
	14	1008.49	1008.50	1008.52	1008.48	1008.47	1008.48	1008.45	1008.45	1008.48	1008.46	1008.42	1008.38	1008.46
	15	1008.34	1008.32	1008.30	1008.24	1008.17	1008.13	1008.09	1008.05	1008.04	1008.07	1008.10	1008.07	1008.16
	16	1008.08	1008.12	1008.13	1008.13	1008.16	1008.22	1008.25	1008.20	1008.18	1008.23	1008.25	1008.26	1008.18
	17	1008.26	1008.26	1008.29	1008.29	1008.28	1008.30	1008.32	1008.35	1008.36	1008.33	1008.32	1008.33	1008.30
	18	1008.34	1008.34	1008.34	1008.35	1008.38	1008.40	1008.38	1008.36	1008.38	1008.38	1008.40	1008.44	1008.37
	19	1008.42	1008.42	1008.46	1008.50	1008.51	1008.51	1008.53	1008.61	1008.69	1008.75	1008.78	1008.78	1008.58
	20	1008.76	1008.71	1008.66	1008.63	1008.62	1008.64	1008.65	1008.64	1008.62	1008.63	1008.64	1008.59	1008.65
	21	1008.55	1008.52	1008.49	1008.47	1008.44	1008.40	1008.39	1008.37	1008.33	1008.32	1008.28	1008.18	1008.39
	22	1008.07	1008.01	1007.99	1007.98	1007.96	1007.93	1007.88	1007.82	1007.75	1007.66	1007.60	1007.56	1007.85
	23	1007.51	1007.44	1007.38	1007.31	1007.23	1007.16	1007.12	1007.07	1007.02	1007.00	1006.94	1006.87	1007.17
10	0	1006.98	1006.97	1006.94	1006.91	1006.84	1006.76	1006.70	1006.60	1006.50	1006.44	1006.35	1006.26	1006.67
	1	1006.20	1006.17	1006.15	1006.07	1005.96	1005.87	1005.84	1005.82	1005.77	1005.72	1005.69	1005.60	1005.90
	2	1005.43	1005.22	1005.07	1005.03	1005.05	1005.08	1005.04	1004.97	1004.94	1004.80	1004.61	1004.52	1004.98
	3	1004.45	1004.55	1004.79	1004.84	1004.77	1004.79	1004.90	1004.90	1004.81	1004.73	1004.67	1004.61	1004.73
	4	1004.56	1004.53	1004.55	1004.57	1004.52	1004.49	1004.51	1004.54	1004.55	1004.54	1004.50	1004.47	1004.53
	5	1004.40	1004.32	1004.26	1004.19	1004.16	1004.18	1004.22	1004.33	1004.43	1004.48	1004.47	1004.47	1004.33
	6	1004.50	1004.51	1004.54	1004.58	1004.64	1004.70	1004.80	1004.92	1004.99	1005.04	1005.06	1005.05	1004.77
	7	1005.03	1005.03	1005.05	1005.03	1004.99	1004.97	1004.99	1005.02	1005.05	1005.09	1005.12	1005.12	1005.04
	8	1005.12	1005.12	1005.11	1005.10	1005.16	1005.24	1005.30	1005.33	1005.38	1005.43	1005.42	1005.40	1005.26
	9	1005.41	1005.42	1005.42	1005.45	1005.50	1005.54	1005.57	1005.59	1005.57	1005.54	1005.53	1005.57	1005.51
	10	1005.62	1005.64	1005.66	1005.68	1005.71	1005.71	1005.71	1005.71	1005.71	1005.71	1005.66	1005.61	1005.68
	11	1005.59	1005.58	1005.55	1005.50	1005.45	1005.39	1005.33	1005.31	1005.27	1005.25	1005.26	1005.20	1005.39
	12	1005.14	1005.08	1005.04	1005.00	1004.98	1005.01	1005.04	1005.03	1005.04	1005.04	1005.07	1005.17	1005.05
	13	1005.32	1005.46	1005.56	1005.61	1005.61	1005.58	1005.56	1005.56	1005.55	1005.52	1005.51	1005.53	1005.53
	14	1005.57	1005.64	1005.66	1005.63	1005.64	1005.70	1005.77	1005.78	1005.72	1005.68	1005.67	1005.65	1005.68
	15	1005.61	1005.60	1005.61	1005.63	1005.65	1005.62	1005.62	1005.62	1005.55	1005.47	1005.40	1005.33	1005.56
	16	1005.24	1005.16	1005.16	1005.21	1005.30	1005.37	1005.39	1005.44	1005.51	1005.54	1005.57	1005.62	1005.38
	17	1005.64	1005.63	1005.65	1005.70	1005.75	1005.81	1005.87	1005.90	1005.94	1006.00	1006.02	1006.03	1005.83
	18	1006.06	1006.07	1006.09	1006.14	1006.21	1006.26	1006.29	1006.30	1006.32	1006.33	1006.33	1006.35	1006.23
	19	1006.38	1006.41	1006.43	1006.46	1006.52	1006.58	1006.65	1006.71	1006.77	1006.83	1006.88	1006.94	1006.63
	20	1007.00	1007.05	1007.10	1007.14	1007.18	1007.22	1007.22	1007.21	1007.24	1007.27	1007.26	1007.20	1007.17
	21	1007.19	1007.24	1007.30	1007.37	1007.44	1007.47	1007.49	1007.53	1007.56	1007.58	1007.57	1007.53	1007.44
	22	1007.51	1007.52	1007.52	1007.52	1007.51	1007.51	1007.51	1007.52	1007.53	1007.54	1007.55	1007.57	1007.52
	23	1007.61	1007.64	1007.64	1007.65	1007.64	1007.63	1007.62	1007.60	1007.56	1007.56	1007.58	1007.61	1007.61

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1007.54	1007.52	1007.51	1007.51	1007.52	1007.54	1007.55	1007.58	1007.63	1007.66	1007.68	1007.70	1007.58
	1	1007.66	1007.62	1007.60	1007.58	1007.54	1007.47	1007.43	1007.43	1007.42	1007.39	1007.36	1007.34	1007.49
	2	1007.33	1007.32	1007.30	1007.27	1007.26	1007.25	1007.27	1007.29	1007.28	1007.25	1007.24	1007.25	1007.28
	3	1007.28	1007.31	1007.35	1007.37	1007.36	1007.35	1007.38	1007.41	1007.42	1007.44	1007.48	1007.50	1007.39
	4	1007.52	1007.54	1007.55	1007.57	1007.58	1007.58	1007.59	1007.58	1007.56	1007.56	1007.57	1007.57	1007.56
	5	1007.58	1007.60	1007.60	1007.60	1007.65	1007.73	1007.80	1007.80	1007.76	1007.74	1007.75	1007.78	1007.70
	6	1007.84	1007.90	1007.94	1007.96	1008.02	1008.11	1008.14	1008.12	1008.11	1008.12	1008.11	1008.12	1008.04
	7	1008.15	1008.20	1008.26	1008.28	1008.27	1008.28	1008.32	1008.33	1008.30	1008.30	1008.30	1008.30	1008.27
	8	1008.29	1008.31	1008.31	1008.28	1008.28	1008.29	1008.28	1008.29	1008.30	1008.28	1008.24	1008.18	1008.28
	9	1008.12	1008.08	1008.05	1008.01	1007.95	1007.88	1007.84	1007.83	1007.85	1007.86	1007.87	1007.88	1007.93
	10	1007.86	1007.82	1007.79	1007.78	1007.77	1007.75	1007.72	1007.73	1007.73	1007.71	1007.68	1007.61	1007.74
	11	1007.56	1007.58	1007.55	1007.50	1007.48	1007.44	1007.40	1007.39	1007.36	1007.35	1007.37	1007.35	1007.44
	12	1007.30	1007.28	1007.28	1007.29	1007.30	1007.29	1007.24	1007.20	1007.18	1007.17	1007.18	1007.17	1007.24
	13	1007.21	1007.28	1007.33	1007.35	1007.32	1007.32	1007.35	1007.33	1007.31	1007.33	1007.36	1007.37	1007.32
	14	1007.38	1007.37	1007.35	1007.34	1007.31	1007.32	1007.34	1007.32	1007.32	1007.37	1007.38	1007.37	1007.35
	15	1007.42	1007.45	1007.42	1007.39	1007.39	1007.37	1007.39	1007.45	1007.48	1007.50	1007.49	1007.50	1007.44
	16	1007.50	1007.54	1007.57	1007.57	1007.60	1007.66	1007.72	1007.75	1007.81	1007.84	1007.84	1007.87	1007.69
	17	1007.91	1007.96	1007.98	1007.99	1008.00	1008.05	1008.16	1008.24	1008.30	1008.37	1008.41	1008.41	1008.15
	18	1008.42	1008.47	1008.52	1008.60	1008.68	1008.71	1008.73	1008.74	1008.76	1008.78	1008.83	1008.90	1008.68
	19	1008.96	1009.04	1009.13	1009.23	1009.34	1009.48	1009.60	1009.69	1009.74	1009.78	1009.84	1009.90	1009.48
	20	1009.95	1009.99	1010.08	1010.17	1010.21	1010.22	1010.25	1010.29	1010.30	1010.30	1010.32	1010.33	1010.20
	21	1010.32	1010.32	1010.34	1010.38	1010.42	1010.44	1010.46	1010.46	1010.48	1010.53	1010.55	1010.54	1010.44
	22	1010.57	1010.62	1010.65	1010.69	1010.73	1010.77	1010.78	1010.79	1010.81	1010.81	1010.82	1010.85	1010.74
	23	1010.87	1010.86	1010.84	1010.86	1010.87	1010.85	1010.82	1010.84	1010.88	1010.88	1010.86	1010.86	1010.86
12	0	1010.70	1010.70	1010.70	1010.70	1010.67	1010.65	1010.63	1010.62	1010.62	1010.59	1010.55	1010.52	1010.63
	1	1010.51	1010.49	1010.46	1010.46	1010.44	1010.41	1010.37	1010.34	1010.31	1010.29	1010.30	1010.32	1010.39
	2	1010.33	1010.33	1010.33	1010.33	1010.31	1010.29	1010.29	1010.29	1010.30	1010.30	1010.32	1010.34	1010.31
	3	1010.31	1010.29	1010.35	1010.43	1010.47	1010.49	1010.52	1010.51	1010.48	1010.46	1010.46	1010.47	1010.43
	4	1010.48	1010.50	1010.53	1010.58	1010.59	1010.58	1010.60	1010.61	1010.64	1010.66	1010.65	1010.65	1010.59
	5	1010.68	1010.67	1010.60	1010.55	1010.60	1010.66	1010.71	1010.74	1010.77	1010.81	1010.83	1010.81	1010.70
	6	1010.81	1010.86	1010.89	1010.90	1010.94	1011.02	1011.06	1011.11	1011.20	1011.28	1011.34	1011.37	1011.06
	7	1011.41	1011.45	1011.49	1011.55	1011.60	1011.65	1011.69	1011.72	1011.76	1011.78	1011.79	1011.80	1011.64
	8	1011.83	1011.87	1011.88	1011.90	1011.90	1011.90	1011.95	1012.00	1012.02	1012.05	1012.08	1012.10	1011.95
	9	1012.12	1012.14	1012.17	1012.20	1012.21	1012.18	1012.15	1012.16	1012.19	1012.21	1012.23	1012.25	1012.18
	10	1012.23	1012.24	1012.27	1012.27	1012.26	1012.26	1012.28	1012.29	1012.25	1012.21	1012.17	1012.11	1012.23
	11	1012.09	1012.09	1012.06	1012.03	1012.00	1011.98	1011.94	1011.92	1011.93	1011.90	1011.84	1011.82	1011.96
	12	1011.82	1011.78	1011.76	1011.75	1011.76	1011.82	1011.78	1011.73	1011.72	1011.74	1011.77	1011.76	1011.76
	13	1011.77	1011.74	1011.69	1011.68	1011.68	1011.67	1011.67	1011.67	1011.68	1011.65	1011.64	1011.63	1011.68
	14	1011.56	1011.50	1011.47	1011.42	1011.41	1011.45	1011.44	1011.40	1011.40	1011.39	1011.35	1011.30	1011.42
	15	1011.27	1011.24	1011.24	1011.27	1011.30	1011.29	1011.24	1011.22	1011.27	1011.30	1011.28	1011.25	1011.26
	16	1011.25	1011.26	1011.27	1011.26	1011.22	1011.21	1011.20	1011.21	1011.24	1011.25	1011.27	1011.26	1011.24
	17	1011.24	1011.25	1011.28	1011.34	1011.34	1011.32	1011.32	1011.33	1011.34	1011.37	1011.39	1011.39	1011.32
	18	1011.41	1011.41	1011.45	1011.53	1011.59	1011.64	1011.72	1011.75	1011.76	1011.76	1011.76	1011.79	1011.63
	19	1011.83	1011.89	1011.91	1011.92	1011.97	1012.02	1012.02	1012.01	1012.00	1011.97	1011.95	1011.93	1011.95
	20	1011.94	1011.96	1011.95	1011.97	1011.95	1011.94	1012.02	1012.03	1012.01	1012.04	1012.03	1012.02	1011.99
	21	1012.04	1012.03	1012.03	1012.11	1012.21	1012.22	1012.15	1012.11	1012.11	1012.11	1012.08	1012.04	1012.10
	22	1012.01	1011.99	1012.02	1012.01	1011.93	1011.92	1011.95	1011.97	1012.00	1011.98	1011.96	1011.92	1011.97
	23	1011.88	1011.85	1011.84	1011.87	1011.85	1011.82	1011.80	1011.77	1011.77	1011.72	1011.62	1011.59	1011.78

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
13	0	1011.69	1011.71	1011.73	1011.70	1011.62	1011.53	1011.46	1011.50	1011.59	1011.57	1011.53	1011.55	1011.59
	1	1011.60	1011.57	1011.47	1011.44	1011.42	1011.39	1011.42	1011.36	1011.28	1011.18	1011.04	1010.99	1011.34
	2	1010.94	1010.89	1010.88	1010.85	1010.85	1010.88	1010.91	1010.87	1010.77	1010.75	1010.77	1010.73	1010.84
	3	1010.71	1010.76	1010.85	1010.78	1010.59	1010.56	1010.68	1010.71	1010.72	1010.71	1010.64	1010.76	1010.70
	4	1010.91	1010.86	1011.01	1011.24	1011.31	1011.46	1011.67	1011.80	1011.86	1011.73	1011.53	1011.57	1011.41
	5	1011.56	1011.46	1011.39	1011.27	1011.30	1011.55	1011.69	1011.61	1011.55	1011.54	1011.50	1011.48	1011.49
	6	1011.42	1011.43	1011.64	1011.83	1011.91	1011.94	1011.95	1011.99	1011.88	1011.78	1011.84	1011.76	1011.78
	7	1011.69	1011.75	1011.79	1011.82	1011.85	1011.86	1011.86	1011.87	1011.95	1012.02	1012.06	1012.09	1011.88
	8	1012.12	1012.17	1012.19	1012.17	1012.16	1012.20	1012.27	1012.32	1012.34	1012.38	1012.41	1012.40	1012.26
	9	1012.38	1012.41	1012.42	1012.40	1012.39	1012.40	1012.43	1012.47	1012.48	1012.45	1012.44	1012.41	1012.42
	10	1012.38	1012.43	1012.46	1012.45	1012.49	1012.50	1012.47	1012.46	1012.47	1012.45	1012.42	1012.45	1012.45
	11	1012.49	1012.48	1012.46	1012.46	1012.51	1012.52	1012.49	1012.51	1012.57	1012.61	1012.63	1012.66	1012.53
	12	1012.67	1012.66	1012.64	1012.65	1012.65	1012.65	1012.69	1012.71	1012.75	1012.79	1012.75	1012.72	1012.69
	13	1012.68	1012.66	1012.70	1012.72	1012.70	1012.69	1012.68	1012.67	1012.68	1012.70	1012.71	1012.72	1012.69
	14	1012.68	1012.63	1012.61	1012.56	1012.49	1012.46	1012.46	1012.42	1012.37	1012.35	1012.38	1012.37	1012.48
	15	1012.35	1012.34	1012.32	1012.29	1012.26	1012.23	1012.22	1012.21	1012.20	1012.18	1012.18	1012.18	1012.25
	16	1012.16	1012.14	1012.13	1012.16	1012.18	1012.21	1012.21	1012.21	1012.19	1012.18	1012.19	1012.19	1012.18
	17	1012.21	1012.24	1012.22	1012.24	1012.27	1012.28	1012.31	1012.33	1012.35	1012.41	1012.43	1012.39	1012.30
	18	1012.37	1012.39	1012.42	1012.45	1012.49	1012.48	1012.47	1012.48	1012.48	1012.46	1012.48	1012.51	1012.45
	19	1012.55	1012.57	1012.59	1012.64	1012.69	1012.70	1012.72	1012.80	1012.89	1012.92	1012.94	1013.00	1012.75
	20	1013.02	1013.02	1013.06	1013.11	1013.12	1013.06	1013.03	1013.06	1013.08	1013.10	1013.10	1013.13	1013.07
	21	1013.17	1013.16	1013.17	1013.22	1013.28	1013.34	1013.37	1013.38	1013.38	1013.38	1013.35	1013.30	1013.29
	22	1013.29	1013.31	1013.32	1013.32	1013.32	1013.33	1013.33	1013.32	1013.33	1013.35	1013.37	1013.37	1013.33
	23	1013.36	1013.37	1013.34	1013.25	1013.22	1013.22	1013.16	1013.09	1013.04	1013.02	1013.04	1013.04	1013.18
14	0	1012.94	1012.92	1012.87	1012.85	1012.80	1012.78	1012.77	1012.77	1012.76	1012.75	1012.71	1012.61	1012.78
	1	1012.52	1012.51	1012.50	1012.45	1012.37	1012.32	1012.29	1012.27	1012.25	1012.26	1012.28	1012.27	1012.35
	2	1012.29	1012.29	1012.23	1012.18	1012.16	1012.12	1012.09	1012.09	1012.10	1012.11	1012.14	1012.15	1012.16
	3	1012.14	1012.13	1012.14	1012.14	1012.13	1012.11	1012.06	1012.07	1012.11	1012.15	1012.19	1012.23	1012.13
	4	1012.25	1012.29	1012.33	1012.32	1012.29	1012.28	1012.29	1012.33	1012.32	1012.28	1012.24	1012.26	1012.29
	5	1012.34	1012.41	1012.46	1012.48	1012.48	1012.46	1012.46	1012.48	1012.50	1012.49	1012.46	1012.45	1012.45
	6	1012.48	1012.51	1012.56	1012.63	1012.68	1012.69	1012.65	1012.58	1012.51	1012.46	1012.48	1012.51	1012.56
	7	1012.53	1012.57	1012.61	1012.61	1012.59	1012.60	1012.64	1012.67	1012.70	1012.71	1012.69	1012.67	1012.63
	8	1012.64	1012.60	1012.55	1012.50	1012.48	1012.49	1012.48	1012.45	1012.41	1012.40	1012.41	1012.41	1012.48
	9	1012.39	1012.37	1012.35	1012.37	1012.40	1012.43	1012.45	1012.48	1012.50	1012.51	1012.51	1012.52	1012.44
	10	1012.51	1012.51	1012.51	1012.50	1012.49	1012.47	1012.42	1012.40	1012.37	1012.32	1012.29	1012.28	1012.42
	11	1012.31	1012.34	1012.36	1012.37	1012.34	1012.30	1012.25	1012.21	1012.21	1012.18	1012.08	1012.02	1012.24
	12	1011.99	1011.95	1011.90	1011.84	1011.79	1011.75	1011.70	1011.65	1011.63	1011.65	1011.68	1011.69	1011.76
	13	1011.67	1011.66	1011.67	1011.66	1011.62	1011.59	1011.60	1011.56	1011.52	1011.50	1011.50	1011.52	1011.59
	14	1011.49	1011.42	1011.38	1011.37	1011.40	1011.40	1011.39	1011.46	1011.55	1011.57	1011.58	1011.64	1011.47
	15	1011.71	1011.73	1011.71	1011.66	1011.61	1011.58	1011.56	1011.50	1011.47	1011.48	1011.52	1011.52	1011.59
	16	1011.55	1011.61	1011.64	1011.63	1011.60	1011.58	1011.60	1011.64	1011.67	1011.71	1011.74	1011.76	1011.64
	17	1011.87	1012.04	1012.17	1012.25	1012.29	1012.24	1012.17	1012.17	1012.19	1012.19	1012.19	1012.16	1012.16
	18	1012.13	1012.12	1012.13	1012.11	1012.08	1012.08	1012.08	1012.07	1012.08	1012.10	1012.11	1012.10	1012.10
	19	1012.14	1012.20	1012.26	1012.31	1012.38	1012.44	1012.52	1012.57	1012.60	1012.65	1012.68	1012.69	1012.45
	20	1012.71	1012.74	1012.79	1012.83	1012.86	1012.85	1012.83	1012.82	1012.81	1012.82	1012.85	1012.85	1012.81
	21	1012.85	1012.85	1012.83	1012.83	1012.87	1012.91	1012.95	1012.98	1013.02	1013.05	1013.06	1013.08	1012.94
	22	1013.12	1013.10	1013.06	1013.04	1013.04	1013.05	1013.05	1013.04	1013.02	1013.01	1013.02	1013.01	1013.05
	23	1013.00	1013.00	1013.02	1013.02	1013.02	1013.00	1012.99	1012.99	1012.97	1012.94	1012.96	1013.01	1012.99

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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	1013.09	1013.10	1013.12	1013.12	1013.12	1013.12	1013.12	1013.17	1013.19	1013.19	1013.19	1013.20	1013.14
	1	1013.21	1013.25	1013.25	1013.25	1013.28	1013.31	1013.35	1013.36	1013.33	1013.27	1013.24	1013.25	1013.28
	2	1013.24	1013.21	1013.22	1013.26	1013.29	1013.30	1013.29	1013.26	1013.25	1013.27	1013.29	1013.29	1013.26
	3	1013.30	1013.33	1013.33	1013.32	1013.33	1013.34	1013.34	1013.36	1013.40	1013.41	1013.39	1013.37	1013.35
	4	1013.37	1013.39	1013.43	1013.45	1013.46	1013.46	1013.46	1013.44	1013.43	1013.45	1013.49	1013.55	1013.45
	5	1013.60	1013.63	1013.67	1013.70	1013.69	1013.67	1013.67	1013.66	1013.67	1013.68	1013.68	1013.73	1013.67
	6	1013.76	1013.75	1013.77	1013.81	1013.87	1013.89	1013.86	1013.85	1013.88	1013.90	1013.91	1013.94	1013.85
	7	1013.96	1013.97	1013.98	1013.98	1013.94	1013.90	1013.91	1013.97	1014.02	1014.03	1014.02	1013.95	1013.97
	8	1013.89	1013.90	1013.93	1013.95	1013.95	1013.95	1013.93	1013.93	1013.94	1013.93	1013.92	1013.88	1013.92
	9	1013.81	1013.77	1013.78	1013.81	1013.86	1013.87	1013.88	1013.91	1013.95	1013.99	1013.98	1013.94	1013.88
	10	1013.91	1013.86	1013.86	1013.88	1013.88	1013.85	1013.85	1013.85	1013.84	1013.81	1013.75	1013.69	1013.83
	11	1013.62	1013.56	1013.54	1013.53	1013.48	1013.43	1013.41	1013.40	1013.36	1013.33	1013.32	1013.27	1013.44
	12	1013.25	1013.21	1013.15	1013.14	1013.12	1013.10	1013.09	1013.09	1013.11	1013.15	1013.16	1013.14	1013.14
	13	1013.11	1013.11	1013.13	1013.12	1013.11	1013.09	1013.07	1013.03	1013.01	1013.00	1012.98	1012.99	1013.06
	14	1012.99	1012.99	1013.00	1013.01	1013.01	1013.01	1013.02	1013.01	1013.02	1013.04	1013.01	1012.97	1013.01
	15	1012.94	1012.91	1012.88	1012.86	1012.84	1012.85	1012.89	1012.91	1012.86	1012.84	1012.87	1012.88	1012.87
	16	1012.85	1012.80	1012.75	1012.74	1012.75	1012.74	1012.70	1012.67	1012.69	1012.72	1012.74	1012.76	1012.74
	17	1012.75	1012.76	1012.78	1012.82	1012.86	1012.90	1012.95	1012.96	1012.94	1012.95	1012.96	1012.97	1012.88
	18	1012.95	1012.90	1012.93	1012.95	1012.95	1012.98	1013.01	1013.07	1013.16	1013.24	1013.32	1013.37	1013.07
	19	1013.39	1013.42	1013.46	1013.49	1013.51	1013.53	1013.58	1013.65	1013.69	1013.70	1013.72	1013.78	1013.57
	20	1013.86	1013.95	1013.99	1014.03	1014.09	1014.12	1014.15	1014.19	1014.20	1014.23	1014.26	1014.24	1014.11
	21	1014.25	1014.30	1014.31	1014.32	1014.37	1014.42	1014.45	1014.47	1014.49	1014.49	1014.48	1014.47	1014.40
	22	1014.46	1014.44	1014.43	1014.42	1014.40	1014.40	1014.40	1014.43	1014.43	1014.45	1014.49	1014.51	1014.44
	23	1014.53	1014.54	1014.51	1014.51	1014.54	1014.54	1014.53	1014.53	1014.51	1014.47	1014.42	1014.41	1014.50
16	0	1014.44	1014.44	1014.41	1014.37	1014.36	1014.36	1014.36	1014.36	1014.39	1014.42	1014.43	1014.42	1014.39
	1	1014.43	1014.40	1014.35	1014.30	1014.28	1014.32	1014.32	1014.26	1014.19	1014.21	1014.25	1014.23	1014.29
	2	1014.18	1014.18	1014.21	1014.25	1014.26	1014.26	1014.29	1014.29	1014.27	1014.29	1014.32	1014.35	1014.26
	3	1014.38	1014.42	1014.43	1014.46	1014.53	1014.56	1014.55	1014.56	1014.59	1014.59	1014.60	1014.65	1014.52
	4	1014.71	1014.73	1014.71	1014.71	1014.71	1014.70	1014.70	1014.71	1014.73	1014.75	1014.76	1014.74	1014.72
	5	1014.73	1014.72	1014.73	1014.77	1014.81	1014.82	1014.79	1014.78	1014.80	1014.86	1014.93	1014.98	1014.81
	6	1014.99	1014.99	1015.00	1015.01	1015.04	1015.07	1015.11	1015.10	1015.11	1015.15	1015.18	1015.24	1015.08
	7	1015.25	1015.21	1015.18	1015.17	1015.16	1015.15	1015.17	1015.19	1015.22	1015.22	1015.18	1015.14	1015.19
	8	1015.11	1015.09	1015.07	1015.07	1015.07	1015.08	1015.09	1015.08	1015.05	1015.03	1015.03	1015.00	1015.06
	9	1014.95	1014.90	1014.85	1014.81	1014.80	1014.80	1014.76	1014.70	1014.67	1014.65	1014.62	1014.58	1014.75
	10	1014.54	1014.53	1014.52	1014.52	1014.51	1014.49	1014.48	1014.47	1014.49	1014.50	1014.47	1014.43	1014.49
	11	1014.40	1014.37	1014.37	1014.35	1014.33	1014.30	1014.27	1014.23	1014.20	1014.21	1014.22	1014.24	1014.29
	12	1014.25	1014.24	1014.21	1014.16	1014.12	1014.09	1014.06	1014.00	1013.98	1013.98	1013.96	1013.95	1014.08
	13	1013.92	1013.89	1013.84	1013.78	1013.78	1013.78	1013.76	1013.74	1013.73	1013.71	1013.67	1013.64	1013.77
	14	1013.64	1013.62	1013.58	1013.52	1013.51	1013.56	1013.66	1013.81	1013.91	1013.95	1013.99	1014.01	1013.73
	15	1014.04	1014.01	1013.94	1013.89	1013.86	1013.88	1013.96	1014.08	1014.16	1014.32	1014.80	1015.06	1014.16
	16	1014.88	1014.77	1014.71	1014.69	1014.71	1014.73	1014.78	1014.81	1014.69	1014.50	1014.45	1014.44	1014.68
	17	1014.41	1014.31	1014.22	1014.21	1014.25	1014.37	1014.46	1014.48	1014.56	1014.63	1014.59	1014.54	1014.42
	18	1014.53	1014.54	1014.59	1014.63	1014.64	1014.59	1014.56	1014.56	1014.57	1014.56	1014.57	1014.63	1014.58
	19	1014.72	1014.78	1014.84	1014.86	1014.88	1014.94	1015.01	1015.09	1015.16	1015.21	1015.25	1015.28	1015.00
	20	1015.30	1015.31	1015.34	1015.34	1015.35	1015.38	1015.41	1015.44	1015.46	1015.47	1015.47	1015.51	1015.40
	21	1015.56	1015.61	1015.64	1015.67	1015.70	1015.70	1015.73	1015.76	1015.76	1015.76	1015.79	1015.81	1015.70
	22	1015.79	1015.78	1015.80	1015.81	1015.78	1015.73	1015.71	1015.70	1015.68	1015.64	1015.61	1015.59	1015.72
	23	1015.61	1015.62	1015.58	1015.52	1015.48	1015.48	1015.47	1015.41	1015.32	1015.29	1015.29	1015.26	1015.44

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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	1015.20	1015.22	1015.25	1015.28	1015.31	1015.31	1015.31	1015.30	1015.30	1015.33	1015.31	1015.28	1015.28
	1	1015.27	1015.25	1015.19	1015.16	1015.13	1015.12	1015.12	1015.10	1015.04	1015.00	1014.96	1014.90	1015.10
	2	1014.85	1014.85	1014.87	1014.83	1014.79	1014.80	1014.83	1014.86	1014.90	1014.93	1014.92	1014.91	1014.86
	3	1014.91	1014.91	1014.90	1014.92	1014.94	1014.92	1014.92	1014.95	1014.97	1014.98	1014.98	1014.94	1014.93
	4	1014.92	1014.95	1014.99	1015.01	1015.02	1015.05	1015.12	1015.18	1015.23	1015.26	1015.26	1015.29	1015.11
	5	1015.34	1015.35	1015.37	1015.39	1015.38	1015.37	1015.38	1015.41	1015.45	1015.47	1015.49	1015.50	1015.40
	6	1015.50	1015.50	1015.51	1015.50	1015.49	1015.49	1015.50	1015.48	1015.47	1015.49	1015.51	1015.52	1015.49
	7	1015.53	1015.55	1015.57	1015.60	1015.62	1015.62	1015.58	1015.56	1015.57	1015.55	1015.51	1015.49	1015.56
	8	1015.49	1015.51	1015.51	1015.50	1015.47	1015.46	1015.49	1015.52	1015.55	1015.58	1015.59	1015.61	1015.52
	9	1015.60	1015.59	1015.57	1015.55	1015.55	1015.54	1015.50	1015.47	1015.48	1015.48	1015.46	1015.42	1015.52
	10	1015.41	1015.42	1015.43	1015.44	1015.45	1015.44	1015.42	1015.37	1015.35	1015.34	1015.30	1015.26	1015.38
	11	1015.26	1015.27	1015.27	1015.29	1015.31	1015.29	1015.26	1015.22	1015.17	1015.15	1015.16	1015.16	1015.23
	12	1015.13	1015.07	1015.03	1015.00	1014.98	1014.96	1014.88	1014.84	1014.83	1014.81	1014.78	1014.73	1014.92
	13	1014.67	1014.64	1014.55	1014.43	1014.35	1014.33	1014.32	1014.30	1014.34	1014.44	1014.53	1014.65	1014.46
	14	1014.71	1014.62	1014.52	1014.51	1014.59	1014.59	1014.56	1014.73	1015.19	1015.78	1016.26	1016.56	1015.05
	15	1016.93	1017.29	1017.35	1017.25	1017.18	1017.10	1016.86	1016.53	1016.38	1016.22	1015.87	1015.57	1016.71
	16	1015.38	1015.38	1015.41	1015.44	1015.62	1015.73	1015.77	1015.72	1015.57	1015.45	1015.35	1015.28	1015.51
	17	1015.23	1015.20	1015.15	1015.06	1015.02	1015.01	1015.03	1015.15	1015.26	1015.27	1015.28	1015.31	1015.16
	18	1015.31	1015.34	1015.38	1015.39	1015.45	1015.50	1015.53	1015.53	1015.50	1015.50	1015.60	1015.74	1015.48
	19	1015.80	1015.79	1015.78	1015.81	1015.85	1015.87	1015.86	1015.86	1015.87	1015.85	1015.81	1015.83	1015.83
	20	1015.88	1015.90	1015.95	1015.99	1015.99	1015.98	1015.94	1015.88	1015.85	1015.85	1015.87	1015.88	1015.91
	21	1015.88	1015.89	1015.91	1015.93	1015.93	1015.95	1016.01	1016.04	1016.03	1016.02	1016.02	1016.02	1015.97
	22	1016.00	1015.95	1015.90	1015.90	1015.93	1015.95	1015.94	1015.90	1015.88	1015.92	1015.95	1015.97	1015.93
	23	1015.98	1015.99	1016.00	1015.98	1015.93	1015.86	1015.81	1015.78	1015.74	1015.72	1015.70	1015.69	1015.84
18	0	1015.65	1015.66	1015.66	1015.64	1015.61	1015.59	1015.56	1015.53	1015.54	1015.55	1015.57	1015.58	1015.59
	1	1015.57	1015.54	1015.51	1015.50	1015.51	1015.49	1015.46	1015.44	1015.42	1015.43	1015.42	1015.39	1015.47
	2	1015.41	1015.46	1015.45	1015.43	1015.42	1015.41	1015.39	1015.34	1015.29	1015.28	1015.26	1015.25	1015.36
	3	1015.27	1015.24	1015.24	1015.27	1015.22	1015.21	1015.23	1015.22	1015.17	1015.10	1015.10	1015.10	1015.19
	4	1015.09	1015.13	1015.21	1015.24	1015.22	1015.29	1015.38	1015.42	1015.42	1015.40	1015.41	1015.46	1015.30
	5	1015.55	1015.58	1015.56	1015.59	1015.62	1015.62	1015.61	1015.66	1015.78	1015.84	1015.87	1015.86	1015.67
	6	1015.83	1015.84	1015.85	1015.85	1015.82	1015.88	1015.93	1015.88	1015.88	1015.97	1015.99	1015.94	1015.89
	7	1015.96	1015.97	1015.98	1016.00	1016.02	1016.02	1016.00	1016.01	1016.03	1016.02	1015.97	1015.94	1015.99
	8	1015.95	1015.93	1015.90	1015.91	1015.91	1015.90	1015.90	1015.90	1015.92	1015.92	1015.93	1015.94	1015.92
	9	1015.93	1015.90	1015.90	1015.90	1015.89	1015.87	1015.82	1015.81	1015.83	1015.83	1015.81	1015.80	1015.86
	10	1015.80	1015.77	1015.76	1015.75	1015.74	1015.71	1015.63	1015.58	1015.52	1015.46	1015.41	1015.35	1015.62
	11	1015.31	1015.28	1015.22	1015.16	1015.12	1015.07	1015.02	1014.97	1014.93	1014.91	1014.86	1014.80	1015.05
	12	1014.73	1014.66	1014.61	1014.54	1014.49	1014.48	1014.48	1014.48	1014.45	1014.43	1014.43	1014.39	1014.51
	13	1014.33	1014.29	1014.26	1014.24	1014.22	1014.20	1014.23	1014.23	1014.20	1014.16	1014.11	1014.09	1014.21
	14	1014.10	1014.09	1014.04	1014.00	1013.96	1013.90	1013.83	1013.74	1013.68	1013.65	1013.59	1013.50	1013.84
	15	1013.44	1013.40	1013.36	1013.30	1013.23	1013.17	1013.12	1013.09	1013.04	1012.99	1012.93	1012.83	1013.16
	16	1012.76	1012.73	1012.69	1012.69	1012.74	1012.75	1012.74	1012.74	1012.78	1012.83	1012.86	1012.88	1012.76
	17	1012.90	1012.95	1013.04	1013.15	1013.26	1013.36	1013.43	1013.49	1013.51	1013.54	1013.57	1013.58	1013.31
	18	1013.61	1013.63	1013.64	1013.63	1013.62	1013.64	1013.68	1013.74	1013.73	1013.72	1013.74	1013.74	1013.67
	19	1013.76	1013.79	1013.80	1013.81	1013.82	1013.85	1013.89	1013.93	1013.99	1014.04	1014.11	1014.18	1013.91
	20	1014.25	1014.34	1014.40	1014.42	1014.44	1014.51	1014.56	1014.59	1014.62	1014.68	1014.71	1014.70	1014.52
	21	1014.69	1014.66	1014.64	1014.64	1014.63	1014.60	1014.61	1014.62	1014.62	1014.62	1014.63	1014.65	1014.63
	22	1014.68	1014.69	1014.66	1014.59	1014.53	1014.48	1014.44	1014.42	1014.40	1014.35	1014.34	1014.39	1014.50
	23	1014.41	1014.41	1014.43	1014.42	1014.41	1014.43	1014.46	1014.47	1014.45	1014.40	1014.36	1014.32	1014.41

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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	1014.25	1014.24	1014.26	1014.29	1014.29	1014.30	1014.30	1014.27	1014.24	1014.23	1014.22	1014.18	1014.25
	1	1014.16	1014.18	1014.19	1014.19	1014.21	1014.19	1014.19	1014.23	1014.25	1014.24	1014.20	1014.19	1014.20
	2	1014.21	1014.23	1014.23	1014.23	1014.24	1014.25	1014.26	1014.30	1014.34	1014.37	1014.36	1014.37	1014.28
	3	1014.41	1014.45	1014.49	1014.53	1014.55	1014.56	1014.60	1014.65	1014.70	1014.69	1014.67	1014.69	1014.58
	4	1014.75	1014.84	1014.91	1014.95	1014.96	1014.94	1014.89	1014.84	1014.83	1014.86	1014.91	1014.98	1014.89
	5	1015.04	1015.05	1015.08	1015.11	1015.09	1015.07	1015.08	1015.12	1015.17	1015.19	1015.18	1015.22	1015.12
	6	1015.31	1015.37	1015.41	1015.44	1015.45	1015.45	1015.48	1015.54	1015.57	1015.57	1015.55	1015.51	1015.47
	7	1015.49	1015.48	1015.45	1015.43	1015.42	1015.44	1015.48	1015.47	1015.43	1015.41	1015.40	1015.35	1015.43
	8	1015.29	1015.29	1015.29	1015.30	1015.30	1015.28	1015.26	1015.23	1015.19	1015.18	1015.22	1015.27	1015.26
	9	1015.27	1015.24	1015.24	1015.23	1015.21	1015.22	1015.23	1015.24	1015.22	1015.19	1015.17	1015.16	1015.22
	10	1015.19	1015.21	1015.20	1015.18	1015.16	1015.18	1015.20	1015.18	1015.13	1015.10	1015.07	1015.05	1015.15
	11	1015.05	1015.01	1014.93	1014.85	1014.81	1014.82	1014.79	1014.74	1014.76	1014.79	1014.80	1014.80	1014.84
	12	1014.79	1014.75	1014.70	1014.66	1014.60	1014.55	1014.53	1014.60	1014.67	1014.69	1014.66	1014.60	1014.65
	13	1014.60	1014.60	1014.63	1014.65	1014.66	1014.68	1014.66	1014.66	1014.68	1014.65	1014.57	1014.53	1014.63
	14	1014.52	1014.50	1014.46	1014.42	1014.40	1014.41	1014.42	1014.41	1014.43	1014.43	1014.41	1014.39	1014.43
	15	1014.40	1014.42	1014.37	1014.34	1014.31	1014.28	1014.28	1014.29	1014.29	1014.28	1014.25	1014.21	1014.31
	16	1014.19	1014.21	1014.27	1014.32	1014.32	1014.29	1014.27	1014.27	1014.28	1014.31	1014.28	1014.23	1014.27
	17	1014.22	1014.23	1014.22	1014.20	1014.16	1014.13	1014.12	1014.13	1014.18	1014.22	1014.26	1014.28	1014.19
	18	1014.26	1014.28	1014.33	1014.35	1014.37	1014.39	1014.42	1014.48	1014.60	1014.65	1014.62	1014.65	1014.45
	19	1014.74	1014.81	1014.83	1014.86	1014.90	1014.94	1015.00	1015.05	1015.08	1015.09	1015.09	1015.11	1014.96
	20	1015.17	1015.23	1015.26	1015.30	1015.34	1015.34	1015.32	1015.31	1015.32	1015.33	1015.32	1015.30	1015.29
	21	1015.33	1015.38	1015.38	1015.34	1015.33	1015.33	1015.30	1015.26	1015.27	1015.31	1015.31	1015.33	1015.32
	22	1015.40	1015.47	1015.48	1015.47	1015.45	1015.44	1015.43	1015.41	1015.44	1015.50	1015.47	1015.43	1015.45
	23	1015.44	1015.42	1015.39	1015.36	1015.28	1015.19	1015.17	1015.19	1015.15	1015.10	1015.08	1015.06	1015.23
20	0	1015.03	1015.00	1014.94	1014.89	1014.83	1014.79	1014.74	1014.70	1014.72	1014.70	1014.67	1014.62	1014.79
	1	1014.58	1014.64	1014.68	1014.63	1014.58	1014.54	1014.52	1014.52	1014.46	1014.42	1014.39	1014.33	1014.52
	2	1014.24	1014.15	1014.05	1014.00	1013.98	1013.98	1014.02	1014.05	1014.08	1014.03	1014.00	1014.02	1014.05
	3	1014.03	1014.03	1014.02	1013.98	1013.91	1013.85	1013.79	1013.77	1013.86	1013.90	1013.91	1014.00	1013.92
	4	1014.08	1014.14	1014.21	1014.24	1014.28	1014.36	1014.46	1014.54	1014.61	1014.68	1014.75	1014.86	1014.43
	5	1014.97	1015.00	1015.02	1015.06	1015.11	1015.19	1015.29	1015.35	1015.39	1015.44	1015.48	1015.52	1015.23
	6	1015.56	1015.62	1015.69	1015.72	1015.71	1015.73	1015.75	1015.77	1015.78	1015.76	1015.79	1015.79	1015.72
	7	1015.75	1015.72	1015.69	1015.62	1015.58	1015.60	1015.62	1015.63	1015.64	1015.63	1015.59	1015.57	1015.63
	8	1015.55	1015.54	1015.53	1015.46	1015.37	1015.32	1015.31	1015.30	1015.27	1015.26	1015.23	1015.14	1015.36
	9	1015.08	1015.05	1015.01	1014.98	1014.92	1014.85	1014.78	1014.76	1014.74	1014.69	1014.64	1014.57	1014.84
	10	1014.45	1014.40	1014.41	1014.40	1014.36	1014.30	1014.25	1014.19	1014.16	1014.13	1014.11	1014.05	1014.26
	11	1014.03	1014.04	1013.92	1013.82	1013.82	1013.74	1013.62	1013.56	1013.50	1013.46	1013.40	1013.35	1013.69
	12	1013.31	1013.23	1013.15	1013.10	1013.06	1013.00	1012.95	1012.81	1012.63	1012.56	1012.56	1012.61	1012.91
	13	1012.59	1012.51	1012.48	1012.46	1012.46	1012.52	1012.59	1012.62	1012.64	1012.65	1012.64	1012.66	1012.57
	14	1012.70	1012.73	1012.71	1012.67	1012.68	1012.74	1012.77	1012.81	1012.87	1012.90	1012.88	1012.86	1012.77
	15	1012.85	1012.83	1012.84	1012.77	1012.74	1012.81	1012.87	1012.88	1012.93	1013.01	1013.12	1013.20	1012.90
	16	1013.24	1013.34	1013.48	1013.58	1013.59	1013.56	1013.61	1013.70	1013.71	1013.72	1013.77	1013.81	1013.59
	17	1013.77	1013.77	1013.89	1013.98	1014.02	1014.04	1014.07	1014.14	1014.25	1014.38	1014.43	1014.42	1014.09
	18	1014.41	1014.40	1014.49	1014.55	1014.51	1014.49	1014.49	1014.45	1014.43	1014.43	1014.36	1014.22	1014.43
	19	1014.00	1013.85	1013.80	1013.90	1013.92	1013.85	1013.95	1013.90	1013.72	1013.65	1013.47	1013.23	1013.77
	20	1013.13	1013.08	1012.81	1012.55	1012.59	1012.62	1012.56	1012.34	1012.13	1012.18	1012.29	1012.35	1012.55
	21	1012.28	1012.22	1012.24	1012.20	1012.12	1012.09	1012.21	1012.39	1012.36	1012.32	1012.41	1012.42	1012.27
	22	1012.31	1012.31	1012.39	1012.30	1011.90	1011.25	1010.56	1010.18	1010.11	1010.08	1009.88	1009.62	1011.07
	23	1009.55	1009.52	1009.51	1009.41	1009.34	1009.32	1009.33	1009.28	1009.22	1009.25	1009.29	1009.27	1009.36

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
21	0	1009.16	1009.28	1009.51	1010.14	1010.86	1011.21	1011.36	1011.41	1011.44	1011.35	1011.41	1011.51	1010.79
	1	1011.50	1011.58	1011.59	1011.50	1011.48	1011.50	1011.47	1011.41	1011.38	1011.37	1011.24	1010.94	1011.41
	2	1010.60	1010.24	1010.07	1010.19	1010.46	1011.12	1011.74	1012.37	1013.10	1013.58	1013.92	1013.74	1011.76
	3	1013.21	1012.66	1012.43	1012.55	1012.75	1012.71	1012.68	1012.86	1012.76	1012.29	1011.84	1011.54	1012.52
	4	1011.69	1011.72	1011.06	1010.76	1011.29	1011.84	1011.86	1011.74	1011.87	1011.93	1011.49	1011.08	1011.52
	5	1011.22	1011.64	1011.81	1011.58	1011.38	1011.38	1011.38	1011.49	1011.50	1011.55	1011.64	1011.63	1011.51
	6	1011.56	1011.42	1011.30	1011.20	1011.16	1011.07	1010.95	1010.96	1011.10	1011.32	1011.40	1011.35	1011.23
	7	1011.29	1011.27	1011.24	1011.10	1010.97	1010.95	1011.02	1011.07	1011.07	1011.00	1010.89	1010.81	1011.05
	8	1010.73	1010.63	1010.55	1010.49	1010.42	1010.39	1010.36	1010.38	1010.41	1010.44	1010.44	1010.36	1010.46
	9	1010.27	1010.26	1010.30	1010.24	1010.15	1010.15	1010.13	1010.16	1010.26	1010.35	1010.42	1010.47	1010.26
	10	1010.51	1010.55	1010.61	1010.62	1010.60	1010.61	1010.64	1010.72	1010.75	1010.71	1010.69	1010.69	1010.64
	11	1010.71	1010.81	1010.83	1010.78	1010.82	1010.91	1010.99	1011.04	1011.03	1011.02	1011.04	1011.08	1010.92
	12	1011.18	1011.25	1011.19	1011.03	1010.90	1010.94	1011.07	1011.06	1010.98	1010.94	1010.97	1010.93	1011.03
	13	1010.78	1010.71	1010.70	1010.68	1010.66	1010.63	1010.57	1010.49	1010.40	1010.27	1010.13	1010.12	1010.51
	14	1010.15	1010.11	1010.05	1009.97	1009.87	1009.88	1009.97	1009.99	1009.96	1009.96	1010.03	1010.05	1010.00
	15	1009.98	1009.95	1009.96	1009.97	1009.96	1009.92	1009.88	1009.82	1009.74	1009.67	1009.61	1009.53	1009.83
	16	1009.55	1009.57	1009.53	1009.48	1009.45	1009.41	1009.38	1009.40	1009.40	1009.45	1009.60	1009.72	1009.49
	17	1009.81	1009.91	1009.97	1009.92	1009.80	1009.70	1009.64	1009.56	1009.53	1009.52	1009.44	1009.40	1009.68
	18	1009.41	1009.41	1009.34	1009.31	1009.35	1009.38	1009.38	1009.39	1009.44	1009.46	1009.47	1009.55	1009.41
	19	1009.65	1009.71	1009.72	1009.72	1009.74	1009.72	1009.68	1009.64	1009.62	1009.62	1009.61	1009.59	1009.67
	20	1009.51	1009.42	1009.37	1009.32	1009.28	1009.24	1009.20	1009.18	1009.18	1009.11	1008.99	1008.88	1009.22
	21	1008.83	1008.82	1008.80	1008.78	1008.75	1008.68	1008.66	1008.69	1008.70	1008.69	1008.66	1008.62	1008.72
	22	1008.58	1008.55	1008.52	1008.47	1008.40	1008.40	1008.44	1008.38	1008.33	1008.29	1008.20	1008.08	1008.39
	23	1007.95	1007.91	1007.90	1007.87	1007.82	1007.73	1007.66	1007.61	1007.53	1007.44	1007.36	1007.27	1007.67
22	0	1007.24	1007.28	1007.27	1007.22	1007.19	1007.12	1007.06	1007.03	1006.95	1006.86	1006.79	1006.74	1007.05
	1	1006.67	1006.59	1006.56	1006.51	1006.49	1006.43	1006.34	1006.28	1006.21	1006.18	1006.18	1006.15	1006.38
	2	1006.13	1006.15	1006.16	1006.14	1006.13	1006.12	1006.08	1005.99	1005.92	1006.01	1006.06	1006.00	1006.07
	3	1006.00	1006.03	1006.06	1006.09	1006.08	1006.04	1006.01	1006.00	1006.02	1006.06	1006.09	1006.09	1006.04
	4	1006.05	1006.01	1005.95	1005.88	1005.84	1005.85	1005.91	1005.95	1005.92	1005.87	1005.83	1005.81	1005.90
	5	1005.78	1005.76	1005.72	1005.67	1005.68	1005.67	1005.60	1005.53	1005.50	1005.46	1005.45	1005.42	1005.60
	6	1005.40	1005.42	1005.45	1005.49	1005.57	1005.64	1005.64	1005.62	1005.61	1005.64	1005.69	1005.71	1005.57
	7	1005.72	1005.70	1005.67	1005.64	1005.63	1005.63	1005.62	1005.64	1005.64	1005.65	1005.71	1005.78	1005.67
	8	1005.84	1005.88	1005.90	1005.94	1005.97	1005.99	1006.03	1006.07	1006.07	1006.04	1006.02	1006.03	1005.98
	9	1006.04	1006.08	1006.13	1006.17	1006.16	1006.13	1006.18	1006.27	1006.32	1006.33	1006.44	1006.65	1006.24
	10	1006.81	1006.90	1006.98	1007.12	1007.28	1007.27	1007.07	1006.85	1006.67	1006.52	1006.37	1006.20	1006.83
	11	1006.05	1006.03	1006.09	1006.10	1006.07	1006.08	1006.17	1006.26	1006.30	1006.35	1006.42	1006.43	1006.19
	12	1006.37	1006.29	1006.22	1006.19	1006.21	1006.22	1006.15	1006.11	1006.10	1006.11	1006.11	1006.09	1006.18
	13	1006.08	1006.05	1006.01	1005.94	1005.92	1005.93	1005.85	1005.79	1005.85	1005.91	1005.91	1005.93	1005.93
	14	1005.93	1005.82	1005.76	1005.81	1005.76	1005.69	1005.79	1005.88	1005.90	1005.82	1005.71	1005.74	1005.80
	15	1005.88	1005.99	1006.04	1006.09	1006.16	1006.21	1006.17	1006.07	1006.03	1006.08	1006.16	1006.16	1006.08
	16	1006.13	1006.10	1006.14	1006.23	1006.22	1006.18	1006.17	1006.17	1006.19	1006.22	1006.24	1006.29	1006.19
	17	1006.33	1006.31	1006.31	1006.34	1006.37	1006.42	1006.49	1006.52	1006.53	1006.57	1006.61	1006.64	1006.45
	18	1006.66	1006.69	1006.74	1006.79	1006.81	1006.90	1007.00	1007.04	1007.05	1007.06	1007.17	1007.26	1006.93
	19	1007.32	1007.43	1007.52	1007.53	1007.56	1007.63	1007.72	1007.77	1007.76	1007.78	1007.81	1007.80	1007.63
	20	1007.76	1007.73	1007.75	1007.77	1007.77	1007.78	1007.81	1007.83	1007.84	1007.84	1007.82	1007.80	1007.79
	21	1007.81	1007.82	1007.79	1007.77	1007.77	1007.76	1007.77	1007.78	1007.80	1007.81	1007.81	1007.83	1007.79
	22	1007.84	1007.83	1007.86	1007.90	1007.92	1007.91	1007.93	1007.97	1007.97	1007.94	1007.94	1007.97	1007.91
	23	1007.96	1007.93	1007.93	1007.95	1007.95	1007.93	1007.93	1007.94	1007.93	1007.91	1007.90	1007.82	1007.92

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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	1007.73	1007.70	1007.71	1007.77	1007.79	1007.81	1007.82	1007.77	1007.70	1007.66	1007.61	1007.59	1007.72
	1	1007.66	1007.69	1007.65	1007.56	1007.49	1007.45	1007.43	1007.40	1007.34	1007.29	1007.27	1007.32	1007.46
	2	1007.36	1007.32	1007.30	1007.28	1007.23	1007.16	1007.11	1007.11	1007.17	1007.25	1007.28	1007.28	1007.24
	3	1007.29	1007.34	1007.35	1007.29	1007.27	1007.32	1007.37	1007.37	1007.39	1007.37	1007.34	1007.41	1007.34
	4	1007.46	1007.42	1007.42	1007.48	1007.53	1007.56	1007.55	1007.55	1007.54	1007.52	1007.54	1007.55	1007.51
	5	1007.59	1007.64	1007.64	1007.61	1007.59	1007.62	1007.68	1007.71	1007.71	1007.71	1007.72	1007.70	1007.66
	6	1007.69	1007.70	1007.72	1007.75	1007.76	1007.75	1007.74	1007.78	1007.81	1007.80	1007.79	1007.77	1007.75
	7	1007.76	1007.80	1007.80	1007.78	1007.79	1007.78	1007.74	1007.75	1007.77	1007.76	1007.75	1007.78	1007.77
	8	1007.84	1007.86	1007.88	1007.89	1007.88	1007.89	1007.86	1007.85	1007.84	1007.81	1007.80	1007.80	1007.85
	9	1007.79	1007.81	1007.81	1007.80	1007.80	1007.79	1007.78	1007.77	1007.74	1007.68	1007.68	1007.73	1007.76
	10	1007.73	1007.72	1007.73	1007.72	1007.69	1007.66	1007.67	1007.68	1007.68	1007.69	1007.69	1007.67	1007.69
	11	1007.68	1007.65	1007.63	1007.60	1007.54	1007.51	1007.48	1007.47	1007.46	1007.47	1007.52	1007.56	1007.55
	12	1007.60	1007.64	1007.66	1007.68	1007.71	1007.69	1007.65	1007.63	1007.61	1007.65	1007.68	1007.71	1007.66
	13	1007.73	1007.71	1007.70	1007.68	1007.65	1007.64	1007.63	1007.62	1007.59	1007.53	1007.50	1007.45	1007.62
	14	1007.42	1007.48	1007.45	1007.43	1007.41	1007.40	1007.45	1007.47	1007.50	1007.49	1007.45	1007.42	1007.45
	15	1007.43	1007.46	1007.50	1007.52	1007.49	1007.46	1007.43	1007.42	1007.47	1007.51	1007.52	1007.54	1007.48
	16	1007.58	1007.58	1007.58	1007.62	1007.62	1007.60	1007.59	1007.60	1007.63	1007.66	1007.71	1007.76	1007.63
	17	1007.80	1007.83	1007.82	1007.82	1007.82	1007.83	1007.86	1007.89	1007.91	1007.93	1007.96	1008.04	1007.87
	18	1008.15	1008.21	1008.28	1008.32	1008.36	1008.41	1008.43	1008.47	1008.50	1008.54	1008.58	1008.59	1008.40
	19	1008.62	1008.68	1008.75	1008.80	1008.87	1008.91	1008.92	1008.96	1009.05	1009.13	1009.19	1009.26	1008.93
	20	1009.29	1009.32	1009.35	1009.38	1009.41	1009.42	1009.44	1009.47	1009.47	1009.48	1009.47	1009.47	1009.41
	21	1009.49	1009.50	1009.50	1009.50	1009.50	1009.52	1009.52	1009.53	1009.53	1009.53	1009.53	1009.54	1009.51
	22	1009.54	1009.51	1009.51	1009.55	1009.58	1009.58	1009.59	1009.62	1009.62	1009.60	1009.59	1009.60	1009.57
	23	1009.63	1009.68	1009.69	1009.68	1009.67	1009.62	1009.58	1009.58	1009.60	1009.60	1009.55	1009.53	1009.62
24	0	1009.51	1009.50	1009.47	1009.46	1009.45	1009.44	1009.42	1009.37	1009.35	1009.36	1009.35	1009.34	1009.41
	1	1009.31	1009.27	1009.25	1009.21	1009.16	1009.14	1009.13	1009.09	1009.05	1009.02	1009.01	1009.01	1009.14
	2	1009.02	1009.01	1009.01	1009.01	1009.01	1008.97	1008.97	1009.01	1009.05	1009.07	1009.10	1009.12	1009.03
	3	1009.12	1009.11	1009.10	1009.10	1009.11	1009.09	1009.07	1009.07	1009.06	1009.07	1009.07	1009.06	1009.08
	4	1009.06	1009.08	1009.12	1009.15	1009.16	1009.18	1009.22	1009.26	1009.26	1009.24	1009.22	1009.28	1009.18
	5	1009.36	1009.39	1009.40	1009.42	1009.43	1009.43	1009.45	1009.49	1009.51	1009.53	1009.56	1009.59	1009.46
	6	1009.61	1009.63	1009.68	1009.75	1009.82	1009.91	1010.00	1010.08	1010.12	1010.14	1010.15	1010.16	1009.92
	7	1010.15	1010.12	1010.12	1010.16	1010.20	1010.21	1010.24	1010.28	1010.31	1010.32	1010.36	1010.38	1010.24
	8	1010.41	1010.44	1010.45	1010.46	1010.47	1010.51	1010.56	1010.57	1010.59	1010.61	1010.58	1010.54	1010.51
	9	1010.50	1010.50	1010.51	1010.50	1010.48	1010.50	1010.54	1010.56	1010.53	1010.49	1010.49	1010.51	1010.51
	10	1010.53	1010.53	1010.54	1010.54	1010.51	1010.48	1010.47	1010.50	1010.50	1010.46	1010.42	1010.38	1010.49
	11	1010.38	1010.40	1010.42	1010.46	1010.46	1010.45	1010.45	1010.42	1010.42	1010.40	1010.38	1010.41	1010.42
	12	1010.43	1010.46	1010.45	1010.44	1010.45	1010.43	1010.44	1010.48	1010.48	1010.50	1010.52	1010.54	1010.47
	13	1010.58	1010.62	1010.61	1010.62	1010.63	1010.59	1010.58	1010.57	1010.56	1010.56	1010.56	1010.57	1010.59
	14	1010.57	1010.59	1010.61	1010.61	1010.66	1010.66	1010.63	1010.58	1010.54	1010.54	1010.55	1010.52	1010.59
	15	1010.48	1010.43	1010.38	1010.34	1010.30	1010.27	1010.25	1010.29	1010.32	1010.33	1010.35	1010.42	1010.34
	16	1010.50	1010.55	1010.58	1010.58	1010.60	1010.61	1010.64	1010.65	1010.66	1010.70	1010.75	1010.74	1010.63
	17	1010.75	1010.79	1010.80	1010.84	1010.87	1010.87	1010.84	1010.81	1010.82	1010.87	1010.92	1010.92	1010.84
	18	1010.91	1010.92	1010.95	1010.97	1010.99	1011.02	1011.05	1011.06	1011.07	1011.12	1011.17	1011.23	1011.04
	19	1011.29	1011.34	1011.39	1011.45	1011.52	1011.57	1011.63	1011.72	1011.76	1011.78	1011.82	1011.84	1011.59
	20	1011.82	1011.83	1011.89	1011.90	1011.89	1011.89	1011.88	1011.88	1011.89	1011.89	1011.86	1011.84	1011.87
	21	1011.87	1011.93	1011.95	1011.95	1011.97	1012.03	1012.11	1012.11	1012.08	1012.03	1012.05	1012.14	1012.02
	22	1012.18	1012.18	1012.18	1012.16	1012.09	1012.05	1012.03	1012.03	1012.06	1012.04	1012.00	1011.96	1012.08
	23	1011.91	1011.90	1011.92	1011.92	1011.89	1011.88	1011.89	1011.88	1011.89	1011.89	1011.83	1011.77	1011.88

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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	1011.72	1011.73	1011.74	1011.72	1011.66	1011.63	1011.65	1011.65	1011.62	1011.58	1011.56	1011.60	1011.65
	1	1011.63	1011.64	1011.67	1011.69	1011.68	1011.65	1011.64	1011.69	1011.74	1011.71	1011.70	1011.72	1011.68
	2	1011.71	1011.67	1011.66	1011.67	1011.66	1011.66	1011.68	1011.72	1011.73	1011.70	1011.67	1011.64	1011.68
	3	1011.67	1011.70	1011.71	1011.69	1011.65	1011.62	1011.64	1011.66	1011.66	1011.63	1011.61	1011.61	1011.65
	4	1011.62	1011.66	1011.70	1011.76	1011.82	1011.83	1011.84	1011.89	1011.95	1012.02	1012.06	1012.05	1011.85
	5	1012.05	1012.10	1012.11	1012.12	1012.21	1012.27	1012.28	1012.26	1012.26	1012.26	1012.22	1012.20	1012.19
	6	1012.25	1012.29	1012.34	1012.35	1012.32	1012.34	1012.36	1012.40	1012.43	1012.47	1012.57	1012.63	1012.39
	7	1012.67	1012.70	1012.66	1012.64	1012.69	1012.78	1012.84	1012.81	1012.79	1012.80	1012.78	1012.78	1012.74
	8	1012.79	1012.78	1012.77	1012.76	1012.75	1012.75	1012.74	1012.71	1012.71	1012.68	1012.65	1012.59	1012.72
	9	1012.49	1012.43	1012.42	1012.42	1012.43	1012.42	1012.42	1012.45	1012.45	1012.41	1012.39	1012.39	1012.42
	10	1012.36	1012.33	1012.32	1012.31	1012.32	1012.36	1012.40	1012.41	1012.44	1012.47	1012.47	1012.43	1012.38
	11	1012.39	1012.34	1012.28	1012.26	1012.24	1012.24	1012.27	1012.21	1012.18	1012.21	1012.21	1012.22	1012.25
	12	1012.20	1012.17	1012.17	1012.17	1012.16	1012.18	1012.21	1012.22	1012.24	1012.30	1012.32	1012.33	1012.22
	13	1012.31	1012.28	1012.27	1012.23	1012.19	1012.17	1012.18	1012.24	1012.23	1012.21	1012.20	1012.14	1012.22
	14	1012.09	1012.10	1012.12	1012.13	1012.15	1012.17	1012.20	1012.18	1012.16	1012.15	1012.11	1012.06	1012.13
	15	1012.01	1012.00	1011.98	1011.94	1011.90	1011.94	1012.01	1012.01	1011.99	1012.06	1012.05	1011.93	1011.98
	16	1011.83	1011.78	1011.81	1011.85	1011.83	1011.80	1011.82	1011.95	1012.02	1011.92	1011.91	1012.02	1011.88
	17	1012.12	1012.24	1012.30	1012.29	1012.29	1012.28	1012.21	1012.14	1012.17	1012.19	1012.21	1012.21	1012.22
	18	1012.23	1012.22	1012.18	1012.13	1012.07	1012.03	1012.00	1012.03	1012.07	1011.99	1011.92	1011.90	1012.06
	19	1011.91	1011.91	1011.92	1011.90	1011.79	1011.75	1011.80	1011.89	1011.94	1011.89	1011.81	1011.73	1011.85
	20	1011.66	1011.70	1011.83	1011.94	1012.01	1012.01	1011.98	1011.97	1011.95	1011.94	1011.98	1012.01	1011.91
	21	1012.05	1012.09	1012.13	1012.23	1012.34	1012.43	1012.49	1012.52	1012.48	1012.48	1012.62	1012.69	1012.38
	22	1012.66	1012.62	1012.62	1012.66	1012.70	1012.72	1012.68	1012.56	1012.46	1012.42	1012.44	1012.51	1012.59
	23	1012.50	1012.41	1012.36	1012.38	1012.38	1012.33	1012.21	1012.07	1012.02	1012.00	1011.98	1011.99	1012.22
26	0	1012.08	1012.09	1012.08	1012.10	1012.18	1012.26	1012.32	1012.34	1012.36	1012.36	1012.26	1012.14	1012.22
	1	1012.03	1011.94	1011.89	1011.90	1011.92	1011.90	1011.85	1011.83	1011.78	1011.73	1011.75	1011.75	1011.85
	2	1011.70	1011.64	1011.60	1011.59	1011.52	1011.34	1011.16	1011.11	1011.05	1011.04	1011.08	1011.10	1011.33
	3	1011.12	1011.14	1011.18	1011.13	1010.99	1010.96	1010.92	1010.86	1010.88	1010.90	1010.88	1010.89	1010.98
	4	1010.94	1011.02	1011.11	1010.98	1010.74	1010.43	1010.13	1010.19	1010.30	1010.25	1010.28	1010.21	1010.55
	5	1010.18	1010.28	1010.32	1010.30	1010.35	1010.47	1010.53	1010.58	1010.60	1010.59	1010.65	1010.79	1010.47
	6	1010.93	1011.06	1011.14	1011.18	1011.24	1011.24	1011.15	1011.12	1011.13	1011.10	1011.14	1011.26	1011.14
	7	1011.35	1011.36	1011.36	1011.20	1011.05	1010.85	1010.61	1010.56	1010.53	1010.53	1010.54	1010.55	1010.87
	8	1010.52	1010.50	1010.45	1010.35	1010.36	1010.48	1010.51	1010.46	1010.39	1010.15	1010.10	1010.31	1010.38
	9	1010.46	1010.52	1010.43	1010.30	1010.47	1010.91	1011.00	1010.79	1011.23	1011.67	1011.46	1011.50	1010.89
	10	1011.67	1011.59	1011.45	1011.34	1011.26	1011.03	1011.06	1011.18	1010.74	1010.31	1010.33	1010.37	1011.02
	11	1010.29	1010.21	1009.99	1009.64	1009.31	1009.06	1009.10	1009.18	1009.09	1008.79	1008.59	1008.70	1009.33
	12	1008.82	1008.76	1008.77	1008.88	1008.86	1008.81	1008.83	1008.92	1008.91	1008.78	1008.68	1008.72	1008.81
	13	1008.79	1008.81	1008.82	1008.80	1008.76	1008.73	1008.71	1008.67	1008.63	1008.62	1008.64	1008.64	1008.72
	14	1008.67	1008.73	1008.69	1008.59	1008.53	1008.52	1008.51	1008.51	1008.50	1008.49	1008.50	1008.51	1008.56
	15	1008.50	1008.55	1008.60	1008.61	1008.62	1008.61	1008.57	1008.49	1008.42	1008.37	1008.32	1008.27	1008.49
	16	1008.25	1008.27	1008.28	1008.29	1008.29	1008.30	1008.35	1008.33	1008.28	1008.23	1008.17	1008.17	1008.27
	17	1008.11	1007.95	1007.81	1007.70	1007.63	1007.68	1007.65	1007.62	1007.72	1007.78	1007.80	1007.90	1007.78
	18	1007.96	1007.96	1008.00	1008.07	1008.13	1008.16	1008.21	1008.33	1008.43	1008.53	1008.66	1008.74	1008.26
	19	1008.75	1008.77	1008.81	1008.87	1008.94	1009.01	1009.07	1009.10	1009.05	1008.89	1008.82	1008.84	1008.91
	20	1008.80	1008.76	1008.70	1008.62	1008.54	1008.48	1008.47	1008.51	1008.55	1008.55	1008.51	1008.44	1008.58
	21	1008.41	1008.48	1008.43	1008.48	1008.55	1008.50	1008.47	1008.44	1008.44	1008.50	1008.59	1008.60	1008.49
	22	1008.60	1008.60	1008.57	1008.54	1008.49	1008.42	1008.36	1008.32	1008.30	1008.27	1008.26	1008.29	1008.42
	23	1008.35	1008.36	1008.40	1008.46	1008.43	1008.41	1008.43	1008.47	1008.50	1008.50	1008.49	1008.51	1008.44

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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	1008.58	1008.60	1008.65	1008.73	1008.78	1008.76	1008.75	1008.76	1008.75	1008.71	1008.67	1008.64	1008.70
	1	1008.64	1008.64	1008.65	1008.68	1008.69	1008.69	1008.67	1008.68	1008.69	1008.66	1008.61	1008.56	1008.65
	2	1008.52	1008.48	1008.43	1008.42	1008.42	1008.39	1008.37	1008.34	1008.29	1008.25	1008.20	1008.16	1008.35
	3	1008.14	1008.12	1008.11	1008.11	1008.13	1008.18	1008.20	1008.17	1008.15	1008.14	1008.16	1008.15	1008.14
	4	1008.12	1008.08	1008.05	1008.06	1008.10	1008.12	1008.16	1008.22	1008.24	1008.25	1008.29	1008.35	1008.17
	5	1008.38	1008.42	1008.49	1008.56	1008.63	1008.68	1008.70	1008.71	1008.71	1008.74	1008.78	1008.80	1008.63
	6	1008.85	1008.90	1008.93	1008.95	1008.96	1008.97	1009.00	1009.05	1009.05	1009.00	1008.98	1008.98	1008.97
	7	1008.98	1008.98	1008.99	1009.02	1009.01	1008.98	1008.96	1008.94	1008.94	1008.96	1008.96	1008.96	1008.97
	8	1009.01	1009.08	1009.10	1009.10	1009.10	1009.11	1009.14	1009.13	1009.11	1009.11	1009.10	1009.07	1009.09
	9	1009.08	1009.08	1009.07	1009.06	1009.03	1009.01	1009.01	1009.04	1009.07	1009.07	1009.08	1009.09	1009.06
	10	1009.10	1009.07	1009.13	1009.23	1009.24	1009.24	1009.24	1009.24	1009.30	1009.31	1009.26	1009.26	1009.21
	11	1009.25	1009.19	1009.16	1009.13	1009.08	1009.05	1009.05	1009.07	1009.05	1009.02	1009.03	1009.05	1009.09
	12	1009.04	1009.05	1009.09	1009.14	1009.15	1009.14	1009.15	1009.14	1009.10	1009.07	1009.02	1008.99	1009.09
	13	1008.96	1008.93	1008.94	1009.01	1009.02	1009.03	1009.08	1009.13	1009.18	1009.24	1009.30	1009.32	1009.09
	14	1009.33	1009.35	1009.35	1009.35	1009.32	1009.27	1009.24	1009.20	1009.17	1009.15	1009.08	1008.99	1009.23
	15	1008.93	1008.88	1008.85	1008.80	1008.73	1008.72	1008.76	1008.77	1008.75	1008.71	1008.67	1008.66	1008.77
	16	1008.67	1008.71	1008.79	1008.86	1008.88	1008.93	1008.98	1009.02	1009.06	1009.03	1009.04	1009.12	1008.92
	17	1009.17	1009.16	1009.11	1009.13	1009.20	1009.25	1009.32	1009.39	1009.49	1009.59	1009.62	1009.70	1009.34
	18	1009.83	1009.87	1009.86	1009.89	1009.98	1010.07	1010.09	1010.16	1010.27	1010.33	1010.37	1010.40	1010.09
	19	1010.46	1010.53	1010.53	1010.54	1010.59	1010.64	1010.69	1010.74	1010.76	1010.76	1010.77	1010.77	1010.64
	20	1010.78	1010.78	1010.78	1010.77	1010.76	1010.75	1010.74	1010.77	1010.82	1010.85	1010.87	1010.89	1010.79
	21	1010.91	1010.94	1010.95	1010.92	1010.93	1010.96	1010.99	1011.03	1011.06	1011.06	1011.00	1010.97	1010.97
	22	1010.97	1010.97	1011.00	1011.02	1011.02	1011.03	1011.02	1011.00	1010.99	1010.98	1010.96	1010.93	1010.99
	23	1010.92	1010.91	1010.88	1010.86	1010.85	1010.83	1010.82	1010.82	1010.83	1010.80	1010.79	1010.82	1010.84
28	0	1010.79	1010.77	1010.75	1010.76	1010.79	1010.83	1010.85	1010.85	1010.85	1010.85	1010.83	1010.80	1010.81
	1	1010.76	1010.73	1010.71	1010.67	1010.63	1010.60	1010.56	1010.55	1010.58	1010.62	1010.63	1010.61	1010.64
	2	1010.60	1010.58	1010.56	1010.53	1010.49	1010.46	1010.46	1010.46	1010.48	1010.50	1010.48	1010.49	1010.51
	3	1010.52	1010.52	1010.49	1010.47	1010.47	1010.49	1010.50	1010.52	1010.55	1010.58	1010.59	1010.61	1010.52
	4	1010.64	1010.66	1010.72	1010.78	1010.80	1010.84	1010.92	1011.00	1011.05	1011.07	1011.06	1011.05	1010.88
	5	1011.07	1011.11	1011.13	1011.14	1011.16	1011.18	1011.24	1011.28	1011.28	1011.28	1011.30	1011.32	1011.21
	6	1011.34	1011.36	1011.39	1011.40	1011.39	1011.38	1011.39	1011.42	1011.41	1011.39	1011.38	1011.36	1011.38
	7	1011.35	1011.35	1011.35	1011.33	1011.32	1011.31	1011.32	1011.35	1011.39	1011.44	1011.50	1011.53	1011.38
	8	1011.54	1011.54	1011.53	1011.52	1011.49	1011.47	1011.46	1011.47	1011.45	1011.43	1011.40	1011.39	1011.47
	9	1011.41	1011.39	1011.36	1011.32	1011.29	1011.27	1011.26	1011.25	1011.22	1011.17	1011.13	1011.11	1011.26
	10	1011.12	1011.14	1011.15	1011.14	1011.12	1011.14	1011.17	1011.20	1011.21	1011.22	1011.24	1011.25	1011.17
	11	1011.24	1011.22	1011.21	1011.18	1011.16	1011.15	1011.12	1011.10	1011.06	1011.02	1011.00	1010.99	1011.12
	12	1010.99	1011.01	1011.03	1011.04	1011.00	1010.96	1010.97	1010.97	1010.94	1010.90	1010.88	1010.85	1010.96
	13	1010.86	1010.87	1010.88	1010.87	1010.85	1010.80	1010.73	1010.71	1010.71	1010.71	1010.74	1010.75	1010.79
	14	1010.72	1010.72	1010.69	1010.62	1010.64	1010.67	1010.66	1010.64	1010.62	1010.63	1010.64	1010.63	1010.66
	15	1010.64	1010.67	1010.70	1010.70	1010.68	1010.64	1010.61	1010.63	1010.61	1010.58	1010.58	1010.58	1010.63
	16	1010.59	1010.61	1010.62	1010.62	1010.61	1010.58	1010.54	1010.50	1010.49	1010.50	1010.45	1010.43	1010.54
	17	1010.47	1010.51	1010.57	1010.59	1010.57	1010.57	1010.60	1010.61	1010.63	1010.64	1010.63	1010.62	1010.58
	18	1010.64	1010.68	1010.72	1010.74	1010.74	1010.78	1010.83	1010.90	1011.03	1011.10	1011.17	1011.29	1010.88
	19	1011.38	1011.47	1011.54	1011.60	1011.64	1011.69	1011.73	1011.79	1011.86	1011.90	1011.84	1011.77	1011.68
	20	1011.71	1011.63	1011.60	1011.58	1011.54	1011.50	1011.51	1011.53	1011.48	1011.44	1011.39	1011.31	1011.52
	21	1011.26	1011.26	1011.23	1011.15	1011.07	1011.06	1011.02	1010.92	1010.84	1010.80	1010.80	1010.80	1011.02
	22	1010.83	1010.87	1010.85	1010.78	1010.72	1010.64	1010.59	1010.64	1010.68	1010.67	1010.63	1010.56	1010.70
	23	1010.50	1010.43	1010.40	1010.37	1010.33	1010.29	1010.22	1010.21	1010.22	1010.26	1010.32	1010.36	1010.32

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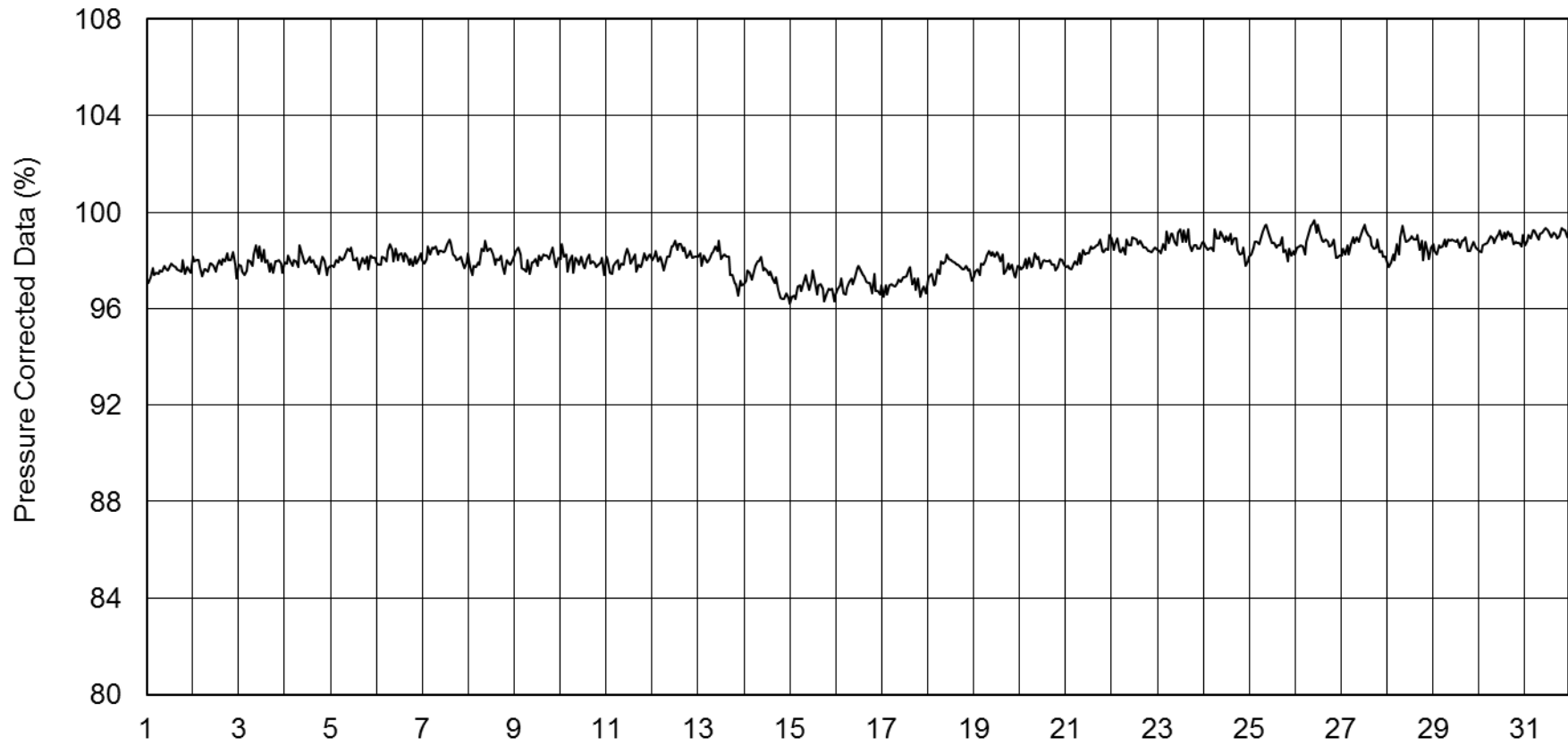
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1010.34	1010.36	1010.30	1010.25	1010.22	1010.13	1010.07	1010.02	1010.00	1010.04	1010.06	1010.03	1010.14
	1	1010.03	1010.05	1009.99	1009.92	1009.91	1009.91	1009.89	1009.85	1009.83	1009.87	1009.90	1009.90	1009.92
	2	1009.84	1009.72	1009.60	1009.53	1009.57	1009.63	1009.63	1009.63	1009.65	1009.60	1009.50	1009.46	1009.61
	3	1009.40	1009.42	1009.50	1009.46	1009.46	1009.51	1009.46	1009.47	1009.58	1009.60	1009.61	1009.67	1009.51
	4	1009.66	1009.71	1009.72	1009.67	1009.65	1009.66	1009.67	1009.66	1009.69	1009.69	1009.67	1009.67	1009.67
	5	1009.67	1009.71	1009.69	1009.61	1009.61	1009.58	1009.53	1009.55	1009.62	1009.68	1009.65	1009.62	1009.62
	6	1009.59	1009.56	1009.59	1009.58	1009.56	1009.54	1009.51	1009.43	1009.42	1009.44	1009.42	1009.41	1009.50
	7	1009.38	1009.37	1009.36	1009.33	1009.37	1009.42	1009.38	1009.41	1009.45	1009.47	1009.49	1009.53	1009.41
	8	1009.56	1009.53	1009.49	1009.51	1009.58	1009.67	1009.75	1009.77	1009.73	1009.72	1009.74	1009.74	1009.65
	9	1009.71	1009.67	1009.63	1009.61	1009.64	1009.62	1009.58	1009.58	1009.59	1009.58	1009.56	1009.56	1009.61
	10	1009.60	1009.57	1009.46	1009.37	1009.22	1009.09	1009.01	1009.01	1009.11	1009.19	1009.23	1009.22	1009.25
	11	1009.21	1009.21	1009.17	1009.12	1009.08	1009.09	1009.06	1009.00	1008.98	1008.92	1008.85	1008.81	1009.04
	12	1008.77	1008.74	1008.73	1008.68	1008.57	1008.41	1008.32	1008.31	1008.28	1008.23	1008.23	1008.29	1008.46
	13	1008.27	1008.18	1008.14	1008.07	1007.96	1007.92	1007.83	1007.72	1007.65	1007.59	1007.54	1007.48	1007.86
	14	1007.43	1007.32	1007.14	1007.02	1006.94	1006.89	1006.90	1006.91	1006.91	1006.94	1006.92	1006.86	1007.01
	15	1006.83	1006.82	1006.79	1006.76	1006.74	1006.68	1006.59	1006.54	1006.49	1006.47	1006.42	1006.33	1006.62
	16	1006.27	1006.20	1006.13	1006.03	1005.94	1005.94	1005.97	1005.97	1005.92	1005.89	1005.85	1005.80	1005.99
	17	1005.78	1005.77	1005.71	1005.61	1005.56	1005.54	1005.53	1005.54	1005.50	1005.46	1005.46	1005.44	1005.57
	18	1005.41	1005.35	1005.24	1005.14	1005.03	1004.94	1004.82	1004.68	1004.65	1004.77	1004.91	1004.96	1004.99
	19	1004.94	1004.91	1004.91	1004.86	1004.84	1004.89	1004.91	1004.89	1004.92	1005.07	1005.18	1005.24	1004.96
	20	1005.34	1005.46	1005.52	1005.59	1005.62	1005.48	1005.37	1005.33	1005.35	1005.35	1005.22	1005.16	1005.40
	21	1005.08	1004.84	1004.59	1004.51	1004.42	1004.38	1004.54	1004.81	1005.00	1004.98	1005.06	1005.19	1004.78
	22	1005.42	1005.28	1004.91	1004.80	1004.84	1004.99	1005.05	1005.10	1005.22	1005.35	1005.44	1005.64	1005.17
	23	1005.81	1005.49	1005.42	1005.52	1005.32	1005.32	1005.40	1005.56	1005.69	1005.65	1005.52	1005.49	1005.51
30	0	1005.36	1005.35	1005.36	1005.27	1005.22	1005.22	1005.13	1005.08	1005.07	1005.03	1004.92	1004.83	1005.14
	1	1004.80	1004.82	1004.86	1004.93	1004.94	1004.86	1004.84	1004.72	1004.59	1004.50	1004.45	1004.44	1004.73
	2	1004.39	1004.34	1004.21	1004.09	1004.06	1004.02	1003.97	1003.92	1003.88	1003.86	1003.84	1003.82	1004.03
	3	1003.86	1003.90	1003.86	1003.85	1003.85	1003.80	1003.73	1003.68	1003.65	1003.64	1003.64	1003.69	1003.76
	4	1003.69	1003.60	1003.50	1003.46	1003.39	1003.27	1003.21	1003.19	1003.22	1003.22	1003.19	1003.23	1003.35
	5	1003.31	1003.32	1003.39	1003.48	1003.49	1003.51	1003.57	1003.58	1003.53	1003.51	1003.58	1003.60	1003.49
	6	1003.56	1003.59	1003.66	1003.70	1003.75	1003.79	1003.89	1004.05	1004.13	1004.21	1004.30	1004.38	1003.92
	7	1004.41	1004.42	1004.50	1004.63	1004.69	1004.68	1004.72	1004.86	1005.00	1005.23	1005.35	1005.33	1004.82
	8	1005.31	1005.21	1005.20	1005.31	1005.40	1005.42	1005.44	1005.45	1005.50	1005.59	1005.66	1005.70	1005.43
	9	1005.74	1005.81	1005.84	1005.81	1005.84	1005.93	1005.98	1006.01	1006.05	1006.06	1006.09	1006.14	1005.94
	10	1006.17	1006.21	1006.29	1006.35	1006.36	1006.33	1006.28	1006.22	1006.16	1006.08	1005.99	1005.93	1006.20
	11	1005.95	1006.00	1006.05	1006.12	1006.23	1006.31	1006.33	1006.33	1006.31	1006.30	1006.29	1006.20	1006.20
	12	1006.11	1006.11	1006.13	1006.18	1006.25	1006.28	1006.34	1006.38	1006.39	1006.37	1006.31	1006.27	1006.26
	13	1006.23	1006.21	1006.20	1006.15	1006.13	1006.16	1006.20	1006.21	1006.22	1006.23	1006.24	1006.25	1006.20
	14	1006.25	1006.21	1006.16	1006.10	1006.08	1006.09	1006.09	1006.11	1006.11	1006.10	1006.11	1006.11	1006.12
	15	1006.09	1006.10	1006.09	1006.05	1006.06	1006.06	1006.01	1005.98	1005.98	1005.98	1005.97	1005.98	1006.03
	16	1006.01	1006.04	1006.08	1006.09	1006.05	1006.03	1006.04	1006.06	1006.07	1006.11	1006.15	1006.13	1006.07
	17	1006.10	1006.06	1006.06	1006.07	1006.02	1006.00	1006.06	1006.12	1006.16	1006.16	1006.14	1006.12	1006.09
	18	1006.10	1006.11	1006.21	1006.33	1006.44	1006.50	1006.55	1006.62	1006.63	1006.66	1006.72	1006.79	1006.47
	19	1006.89	1006.96	1007.01	1007.07	1007.16	1007.27	1007.27	1007.22	1007.20	1007.13	1007.07	1007.09	1007.11
	20	1007.09	1007.01	1006.99	1007.07	1007.10	1007.12	1007.16	1007.22	1007.30	1007.30	1007.24	1007.22	1007.15
	21	1007.26	1007.30	1007.37	1007.46	1007.53	1007.60	1007.59	1007.49	1007.49	1007.55	1007.58	1007.61	1007.48
	22	1007.60	1007.60	1007.60	1007.60	1007.66	1007.73	1007.75	1007.76	1007.75	1007.73	1007.71	1007.68	1007.68
	23	1007.69	1007.68	1007.67	1007.70	1007.64	1007.54	1007.53	1007.56	1007.65	1007.74	1007.73	1007.71	1007.65

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
31	0	1007.72	1007.72	1007.67	1007.64	1007.67	1007.62	1007.59	1007.61	1007.62	1007.63	1007.65	1007.68	1007.65
	1	1007.69	1007.64	1007.60	1007.62	1007.67	1007.75	1007.76	1007.74	1007.75	1007.78	1007.78	1007.79	1007.71
	2	1007.78	1007.72	1007.65	1007.58	1007.59	1007.62	1007.64	1007.66	1007.67	1007.68	1007.73	1007.87	1007.68
	3	1007.92	1007.92	1007.92	1007.97	1008.07	1008.09	1008.05	1008.11	1008.21	1008.27	1008.31	1008.33	1008.09
	4	1008.31	1008.25	1008.19	1008.12	1008.07	1008.02	1008.03	1008.12	1008.16	1008.13	1008.10	1008.13	1008.13
	5	1008.24	1008.32	1008.38	1008.44	1008.49	1008.54	1008.59	1008.63	1008.64	1008.62	1008.60	1008.65	1008.51
	6	1008.70	1008.71	1008.70	1008.71	1008.73	1008.77	1008.85	1008.87	1008.90	1008.95	1008.97	1008.91	1008.81
	7	1008.84	1008.79	1008.74	1008.75	1008.73	1008.74	1008.85	1008.91	1008.90	1008.86	1008.84	1008.86	1008.82
	8	1008.88	1008.83	1008.80	1008.78	1008.75	1008.74	1008.75	1008.77	1008.79	1008.80	1008.81	1008.79	1008.79
	9	1008.77	1008.83	1008.87	1008.87	1008.88	1008.89	1008.90	1008.90	1008.91	1008.91	1008.89	1008.88	1008.87
	10	1008.88	1008.85	1008.81	1008.77	1008.75	1008.76	1008.77	1008.77	1008.77	1008.70	1008.63	1008.60	1008.75
	11	1008.57	1008.49	1008.39	1008.34	1008.30	1008.31	1008.32	1008.33	1008.33	1008.29	1008.28	1008.26	1008.35
	12	1008.27	1008.29	1008.31	1008.33	1008.31	1008.31	1008.36	1008.40	1008.42	1008.47	1008.51	1008.53	1008.37
	13	1008.53	1008.51	1008.48	1008.43	1008.44	1008.51	1008.55	1008.53	1008.53	1008.54	1008.47	1008.40	1008.49
	14	1008.39	1008.35	1008.29	1008.28	1008.27	1008.21	1008.14	1008.15	1008.18	1008.21	1008.25	1008.25	1008.24
	15	1008.21	1008.15	1008.10	1008.09	1008.13	1008.14	1008.15	1008.16	1008.16	1008.11	1008.05	1008.01	1008.12
	16	1007.99	1007.95	1007.91	1007.92	1007.97	1007.97	1007.94	1007.95	1007.96	1007.95	1007.94	1007.94	1007.95
	17	1007.95	1007.93	1007.91	1007.92	1007.96	1008.02	1008.01	1007.98	1007.98	1008.00	1008.03	1008.03	1007.97
	18	1008.06	1008.09	1008.13	1008.20	1008.22	1008.22	1008.24	1008.26	1008.29	1008.33	1008.36	1008.37	1008.23
	19	1008.40	1008.44	1008.51	1008.60	1008.70	1008.79	1008.84	1008.87	1008.89	1008.92	1008.97	1009.00	1008.74
	20	1009.00	1009.01	1009.11	1009.23	1009.30	1009.32	1009.34	1009.38	1009.40	1009.40	1009.41	1009.44	1009.28
	21	1009.47	1009.49	1009.50	1009.50	1009.53	1009.56	1009.57	1009.58	1009.58	1009.59	1009.62	1009.64	1009.55
	22	1009.66	1009.68	1009.69	1009.69	1009.69	1009.68	1009.65	1009.61	1009.57	1009.54	1009.53	1009.54	1009.63
	23	1009.56	1009.60	1009.62	1009.60	1009.56	1009.52	1009.46	1009.40	1009.36	1009.32	1009.30	1009.28	1009.46

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