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**SVIRCO Prompt Report: October 2012**

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: October 2012**

**Fabrizio Signoretti and Francesco Re**

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

### **Abstract**

*The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in October 2012 by the Neutron Monitor of SVIRCO-Rome (present geographic position:  $41.86^\circ$  N -  $12.47^\circ$  E; altitude about s.l. ), is reported in prompt form together with the barometric pressure data.*



## SVIRCO OBSERVATORY

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

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

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

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

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

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

Each of the 20 BF<sub>3</sub> proportional counters (BP-28 type) is equipped with a smart amplifier/discriminator circuit complete with a spectrum stabilizer. This new electronic unit, developed in our laboratory, holds firmly the pulse height spectrum of the amplifier output (within a range of more than 150 volts around the operating voltage), providing the counter with a great immunity against high voltage variations.

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

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

In order to improve the reliability of the recorded data and to prevent measurement breakdowns, two independent systems perform contemporary the data acquisition. Each system is remotely controlled by a dedicated computer and is timed by a high stability quartz clock and/or a GPS receiver. One equipment runs according to a timing of 1 minute and fulfils the acquisition of the 20 counters separately. The other one records the individual 5-minute counting rate of each detector section in addition to the rates of the overall multiplicity, sorted into separated counting channels ( from 1 to greater than 8 ).

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

## DATA PRESENTATION

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

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

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

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

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

## CONDITIONS FOR SVIRCO DATA USE

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

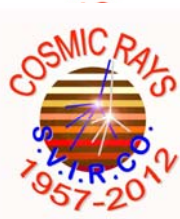
*-You agree to acknowledge our financial supports in any published use of the data.*

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

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

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

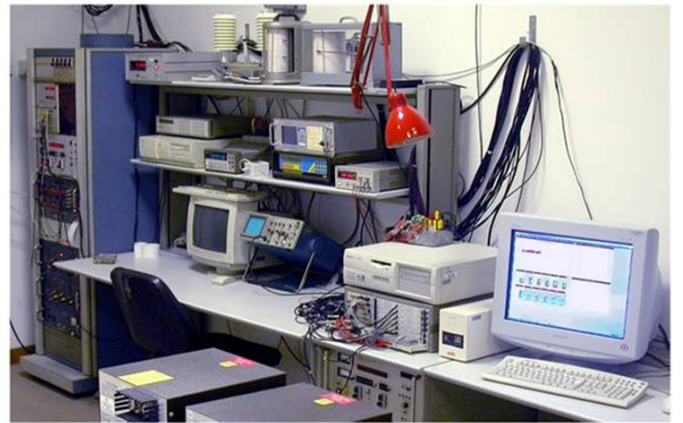
[stefano.massetti@ifs-roma.inaf.it](mailto:stefano.massetti@ifs-roma.inaf.it)



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

Rome

Italy







INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - October 2012										20 NM-64		
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
1	0	45925	45655	45670	45916	45747	45600	46214	45661	45870	46246	45899	46416	99.812
	1	46020	45566	45619	46025	45537	45747	45623	45362	46139	45293	46293	45629	99.460
	2	45636	45769	45895	45860	45906	45972	46043	45985	45788	45582	45516	45658	99.597
	3	45462	45240	45492	45637	46014	45438	45330	45643	44726	45122	45388	45438	98.749
	4	44810	45480	45765	45195	44979	45676	45180	46140	45705	44947	45487	45548	98.746
	5	45503	45746	45433	45769	45250	45986	45714	45939	45875	45461	45235	45614	99.220
	6	45280	45849	45999	44820	45479	46085	45719	45483	45883	45281	45766	46443	99.321
	7	45896	45726	45908	45626	45924	45602	45912	45685	45414	45752	46025	46216	99.611
	8	45832	46062	45714	45358	45855	46204	45671	45233	45787	45149	45841	46046	99.442
	9	46033	45699	45348	44938	45871	45778	45875	45597	44958	46187	46068	45941	99.359
	10	45527	45430	46569	45895	45841	45701	45586	45816	45570	46225	46310	46103	99.771
	11	45252	45846	46135	45720	45755	46233	46076	45777	45946	44691	45815	45818	99.498
	12	44900	45650	45179	44781	46099	45110	45465	45498	45683	45996	45762	46074	98.979
	13	46190	45318	44816	45747	45407	46081	45117	45638	45623	45354	45708	45279	98.993
	14	45619	45551	45916	45467	45074	45345	45145	45256	45223	45491	45568	45323	98.758
	15	45144	45608	44914	45202	45503	45598	44851	46134	45615	45474	45074	44910	98.585
	16	45846	45216	45488	45046	45298	45362	44705	45420	45383	45015	45608	45284	98.521
	17	45317	45727	45369	44485	44865	45245	45606	44763	44998	45794	44462	44799	98.115
	18	45334	44928	45215	45023	45326	44962	44724	45250	44618	45325	45310	45421	98.116
	19	45155	45178	45249	45369	45081	44777	45127	44952	44547	44643	45414	44743	97.898
	20	44946	44976	44878	44896	44757	45454	45648	44233	45260	45041	45220	44755	97.867
	21	44431	45129	44108	44655	45469	44580	45509	44525	45335	44689	44172	45216	97.460
	22	44814	45166	44994	45014	44455	44756	44684	45540	45033	44680	45587	45184	97.839
	23	45264	45342	45314	45491	44925	44404	44807	45127	45070	45241	44975	44178	97.881
2	0	44702	45208	44833	44997	44749	44879	45584	44789	44990	45491	44900	45310	97.931
	1	45141	45135	45481	45724	45171	44851	45436	44823	44849	44611	45152	44553	98.023
	2	46192	44985	44944	45094	45374	45190	45155	45538	45337	45433	45179	45871	98.633
	3	45978	45268	45489	45642	45650	45353	44942	45316	45655	45591	45599	44807	98.814
	4	45395	45060	45406	45437	45337	45112	45433	44986	45555	45157	45724	45685	98.632
	5	45618	44836	45480	45243	45846	45492	45394	45522	45505	45258	45285	45365	98.734
	6	45416	45733	45100	45133	45439	45263	45398	45372	45382	45050	45052	45879	98.620
	7	44987	44820	45003	46140	45947	46031	45683	45295	45443	45487	45122	45072	98.767
	8	45663	45373	45748	45316	45195	45332	45439	45594	45110	44946	45279	45530	98.676
	9	45335	45233	44735	45643	45328	45104	45518	45519	45628	45121	45268	45213	98.516
	10	45656	44927	45080	44894	44978	45313	46048	44801	45356	45264	45609	44958	98.378
	11	45300	45235	44860	45760	44960	44920	46081	45142	45493	45160	45366	44968	98.444
	12	44995	45552	45629	44864	45337	44956	45537	44983	45362	44063	45153	45903	98.279
	13	44948	44706	45559	45126	44402	44924	46132	45596	45260	45312	45273	45395	98.333
	14	45614	44989	45769	45197	44978	45556	45432	45213	45594	45347	45215	44957	98.555
	15	45177	44929	45130	45757	45360	44902	45256	45328	45089	44675	44935	44856	98.108
	16	45248	45140	45312	45170	44938	44629	45216	44960	44426	45493	45086	45140	97.993
	17	44883	44734	45189	44966	45460	44818	44578	44622	44939	44781	45073	45229	97.724
	18	45369	45632	44880	44930	45306	46002	44777	45357	44978	45038	45192	44767	98.260
	19	45566	45697	44704	45084	45075	45322	44461	45732	44761	44862	45196	44496	98.029
	20	45508	44973	44753	45181	45101	44821	45226	44899	45468	45258	44686	44511	97.926
	21	44498	44966	45802	45511	45258	45171	45702	44841	45628	45129	45218	45674	98.472
	22	44623	45424	45196	44915	45199	45103	45131	45985	45014	44644	45322	45590	98.244
	23	44932	45189	44635	45361	45695	45652	45555	45692	45170	46051	45470	45058	98.664

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2012											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
3	0	45154	45555	45280	46059	46350	45390	45745	45524	45392	45657	46091	45576	99.261
	1	45382	45424	45458	45492	45920	45748	45745	44916	45264	45779	45290	45055	98.847
	2	45714	45000	45843	44762	45839	45515	45686	45046	45436	45583	45530	45406	98.827
	3	45791	45608	45815	46030	44634	44948	45668	45032	45688	45545	45570	45163	98.851
	4	45259	45303	45942	45511	45810	45182	45001	45793	45188	45311	45344	45402	98.770
	5	45838	45548	45585	45841	45535	45887	45688	45490	45301	45252	45712	45670	99.187
	6	45230	46221	45099	45561	45269	45017	45671	45444	45369	45026	45404	44908	98.621
	7	45399	45391	45001	45825	45844	45435	44930	46064	45881	45062	45534	45297	98.882
	8	45334	44778	45203	45992	45267	45498	45101	45063	45315	45748	45316	46223	98.733
	9	45002	45920	45166	45777	45418	45753	46014	45629	45740	45652	45531	46108	99.253
	10	45611	45322	45926	45949	45099	45874	46231	45379	45687	45540	45514	46200	99.366
	11	45126	45996	45713	45490	46096	45314	45347	45499	44911	45550	45073	45253	98.829
	12	46002	45317	45324	45126	45806	44905	45601	45535	45474	45647	45666	45340	98.896
	13	45211	45163	45318	45242	45885	45311	45241	45364	45166	45836	45047	45447	98.622
	14	45615	45394	45492	46287	45129	45708	45380	45301	44927	45089	45650	44872	98.734
	15	45082	45145	45470	45581	45232	45343	45178	45374	45488	45253	45422	45312	98.558
	16	44857	45515	45047	45008	45110	45256	45572	45839	45793	44998	44564	45171	98.350
	17	45067	45113	44945	45392	45181	45592	45409	45620	44835	45915	45724	45614	98.654
	18	45736	45264	45439	45511	45267	45087	45657	45345	45531	45212	44790	46095	98.750
	19	45694	45148	45809	45070	45304	44918	45797	45760	45335	46476	45127	45722	98.972
	20	45782	45302	45359	45605	45819	45876	45405	44943	44979	45459	45353	45224	98.781
	21	46132	45768	44905	45102	45282	45331	45054	45124	45321	45807	45942	45804	98.865
	22	45012	46056	46013	45293	45774	45644	45936	45339	45684	45587	45787	45917	99.313
	23	45726	45163	46086	45705	45036	45617	45540	45896	44885	46986	45636	45903	99.338
4	0	45570	45447	45589	45412	45744	45118	45507	45844	45637	45746	46030	45601	99.168
	1	45415	45147	45804	45787	45544	45412	45683	45497	45593	46367	46051	45610	99.289
	2	45685	45739	45298	46054	46058	45527	45571	45153	46018	45628	46043	45611	99.376
	3	45415	45740	46107	45838	45749	45679	45676	45763	46250	45309	45892	45264	99.428
	4	46030	45856	46208	45406	45425	46010	46234	45865	45849	45056	46241	45445	99.600
	5	45487	44861	45864	45297	45754	45335	45724	45470	45768	45484	44767	46135	98.933
	6	45634	46030	45516	45778	45699	45700	45681	45088	45422	45488	45054	45959	99.133
	7	45666	44958	45204	45809	45024	45438	45498	45339	45168	45828	45155	45279	98.647
	8	45788	45406	45878	46026	45914	45352	45274	45501	45043	45858	45421	45151	99.054
	9	44850	45902	45732	45472	45220	45333	45126	45780	44896	45277	45316	45177	98.595
	10	45186	45818	45311	45173	45522	45275	45813	45683	45635	45344	45112	45741	98.873
	11	45588	45230	45403	45805	45595	45435	45572	45985	45500	45497	45813	45258	99.066
	12	45760	45871	45036	45342	45611	45382	45716	45434	45429	45124	45521	45324	98.861
	13	45507	45594	45998	45606	45814	45317	46021	45654	45362	45664	45935	45676	99.332
	14	45275	45606	45655	45893	46183	45040	46333	45985	45571	45701	45057	45576	99.283
	15	45746	45175	45535	45593	45845	45465	45328	46224	45391	45089	46314	46404	99.325
	16	45589	45765	46101	45668	46213	46164	45793	45683	45357	45688	45672	45874	99.590
	17	45468	45312	45306	45776	45415	45454	46114	45883	45428	45780	45728	45626	99.177
	18	45890	45554	45525	45685	46100	45550	45844	45713	45868	45521	45666	45197	99.326
	19	45572	45577	45837	45936	45837	46008	45535	46299	45559	45267	45586	45662	99.428
	20	45398	45752	46244	45024	45658	46072	45951	45799	45096	45802	45650	45878	99.364
	21	45604	45122	45880	45733	45444	45281	46211	45194	45217	45627	45844	45074	98.985
	22	45490	46081	45579	45634	45610	45813	45550	45511	45726	45530	45792	45393	99.253
	23	45540	45446	45524	45443	45504	45772	45583	45956	45634	45887	45152	45222	99.063

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - October 2012											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
5	0	45396	45659	45476	45433	45542	45855	45719	45550	45479	45843	45616	45772	99.182
	1	45604	45580	45398	46079	45581	45722	45202	45762	45627	45706	45337	45153	99.079
	2	45413	46197	45712	45434	46385	45590	45836	45800	45340	45530	45978	46114	99.546
	3	46159	45876	46058	45812	45813	45136	45820	45937	46036	46321	45816	45306	99.684
	4	45489	46045	45252	45353	45653	45476	44693	45743	45301	45286	45259	45495	98.770
	5	45611	45419	46038	45269	45477	45535	46241	45571	45281	45000	45062	45993	99.033
	6	45409	45817	45981	45282	45297	45788	45549	45722	45892	45773	45722	45707	99.294
	7	44742	45972	45424	45505	45458	45170	45857	45262	45534	45680	45398	45503	98.853
	8	45382	46236	45228	45323	45200	45174	46055	45817	46040	45383	45800	45692	99.184
	9	45009	45418	45347	45800	45577	45984	45494	45183	45477	45787	45532	45765	99.010
	10	45733	45916	46001	45684	45952	46149	45673	45960	45943	45213	45897	45924	99.676
	11	46102	45288	45062	45830	45824	45301	46293	45735	45779	45254	45100	45446	99.127
	12	45394	45595	45550	45751	45997	45733	46316	46151	45562	46212	46339	45306	99.651
	13	45952	46399	45894	45144	45640	45398	45878	45486	45367	45690	45799	45597	99.349
	14	45597	45521	45809	45725	45506	46186	45333	46152	45398	46389	46293	46438	99.730
	15	46090	45976	45797	45558	45178	45891	45748	45128	45768	45580	44928	46115	99.261
	16	45476	46139	45820	45739	45643	46077	46352	46080	45537	45773	45901	45685	99.708
	17	45672	45656	45444	46336	45874	46272	45904	45594	45320	45758	45602	45097	99.401
	18	45252	45719	45583	45758	45960	46153	46241	45926	46200	45755	45681	45557	99.629
	19	46148	45900	46312	45899	45623	45919	45041	46248	45675	46187	45546	45674	99.699
	20	45611	45540	45659	46459	45685	45299	46031	46050	46205	46144	46547	46007	99.892
	21	45936	45731	46360	45107	45706	46142	45920	45271	45857	45601	45489	46079	99.523
	22	45798	46034	45857	45784	46203	46020	46296	45543	45794	46096	45560	45674	99.787
	23	45468	45779	45565	45669	45631	44851	46060	45587	45253	45480	45008	45408	98.899
6	0	45368	45715	46000	45298	45242	45911	46151	45602	45769	45347	45601	45354	99.188
	1	45525	46032	45354	45600	46127	45683	45575	45923	45893	45917	45815	46076	99.581
	2	45753	45096	46064	46317	45571	45557	46250	45580	45482	45881	45529	45422	99.397
	3	45339	45828	45870	45188	45787	45715	45761	45108	45775	45920	46020	45708	99.309
	4	45679	45794	45907	46104	45410	45903	45686	45695	45536	45911	46349	45943	99.653
	5	45811	46038	45704	45928	46382	46090	45552	45486	45426	45997	45596	45998	99.669
	6	45857	45644	45784	45520	46139	45315	45851	45766	45499	45623	45849	45104	99.297
	7	46151	45533	45531	45589	45553	45907	45314	45413	45824	46124	45507	45813	99.352
	8	45821	46444	45709	46589	45270	45295	45509	45388	45737	45700	46033	46079	99.591
	9	45859	45613	45752	45227	45712	45716	45772	45490	46186	45511	45316	46134	99.357
	10	45532	45649	46469	46033	47336	45307	46219	45305	46349	45927	45945	45243	99.905
	11	46158	46227	46289	46277	46174	45871	45794	46000	46145	46085	46421	45597	100.218
	12	45524	45844	45474	46273	46331	45973	45378	45954	46563	46654	45292	45979	99.893
	13	45849	45975	46128	46480	45740	46070	45586	45580	46023	45825	45280	46316	99.822
	14	46391	45408	46799	46411	45942	46111	45681	45896	45737	45862	45191	45634	99.860
	15	45558	45847	45407	46552	45399	46349	45876	46094	45684	45686	45959	45758	99.699
	16	45612	45787	46082	46405	45817	45870	46248	45832	46042	46316	46191	45931	100.054
	17	46084	45197	45433	46005	45503	46347	45843	45357	46152	45474	45839	45502	99.439
	18	46362	45906	45692	45915	46386	46342	45929	45619	45164	45939	45472	45640	99.734
	19	44887	45897	45169	45829	45410	45398	45332	45869	44814	45616	45226	45660	98.781
	20	45520	45587	45729	45606	45669	45234	45512	45978	46152	45614	45498	45581	99.248
	21	45747	45127	45471	45615	45368	45506	45449	45754	45527	45338	46200	45629	99.076
	22	45836	45524	45490	45231	45394	44830	45472	45264	45438	45440	45614	45463	98.761
	23	45761	45226	45389	46212	45344	45453	46520	45441	45253	45477	44967	45898	99.114

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2012											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
7	0	45084	45904	45386	45303	45749	45056	45600	45365	45083	45800	45214	46002	98.861
	1	45489	45993	45646	45764	45055	45361	45557	46047	45790	44794	45844	45391	99.075
	2	45554	45339	45644	45253	45114	46142	45865	46061	45136	45233	45398	45984	99.074
	3	45598	45619	45334	45746	45691	46275	45201	45318	44919	45651	45833	45087	98.992
	4	46255	45636	46119	45705	45257	46245	45782	45590	45685	45584	46280	46523	99.788
	5	45781	45363	45470	45979	45399	45327	45711	45528	45670	45982	45722	46191	99.328
	6	45828	45451	45701	45307	45272	45215	45817	45927	45080	45200	45623	46133	99.043
	7	45365	46056	45390	46057	45955	45187	45476	45540	45815	45480	45792	45256	99.191
	8	46074	46264	45475	45348	45422	45110	45972	45625	46157	45829	45958	45628	99.462
	9	45416	45620	45714	45742	45248	45755	45969	45306	45695	45412	45663	45222	99.082
	10	45411	45662	46026	45631	45961	45316	45848	46071	44975	45179	45940	44985	99.125
	11	45585	45652	45936	45512	45733	44978	44947	45191	45306	45456	45294	44885	98.666
	12	45500	45144	45482	45357	46043	45497	45444	45405	45413	45102	45392	45694	98.848
	13	44873	45534	45093	45573	45475	45514	45608	45251	45592	45756	45790	45077	98.787
	14	45740	45274	44885	45766	45530	45228	45368	45822	44976	45105	45619	44910	98.621
	15	45141	45350	44923	45331	45722	45167	44795	44384	45295	45038	45116	44994	98.084
	16	45206	45887	45347	45442	44899	45019	45302	45161	44018	45092	44590	44772	97.989
	17	45217	45130	45218	44820	45665	45501	44984	45069	45227	44735	45446	45056	98.230
	18	44995	44784	45278	44715	44755	44712	44724	45129	45103	45093	45367	44894	97.774
	19	45245	45295	45112	44802	45075	45325	45096	44936	44634	44915	45186	45429	98.046
	20	45365	44918	45750	44617	45501	45228	45245	45603	44902	45897	45508	45457	98.579
	21	45272	45263	44814	44596	45339	44843	45379	45661	45831	46191	46093	45776	98.772
	22	46123	45341	45891	46003	45465	45549	44612	45589	45699	44656	45742	44818	98.850
	23	45142	44709	44884	44789	45610	46119	45030	45434	45447	46154	45836	45247	98.653
8	0	45244	45569	45613	45023	44987	45508	45354	45197	46140	45563	45152	45255	98.690
	1	45252	45564	45712	45523	45527	45335	45237	45599	45148	45137	45141	45177	98.644
	2	44916	45195	45435	45020	45308	45717	45555	45200	45856	45203	45659	45032	98.598
	3	45010	45631	45617	45938	45723	45652	44333	44727	44739	45359	45160	45706	98.507
	4	45336	46157	45587	45403	45226	45573	45383	45605	45376	45224	45410	44745	98.766
	5	45250	44867	45453	45154	45837	45318	44852	45458	44564	45203	44867	46186	98.401
	6	45250	45473	44841	45074	44459	45667	44725	45010	45285	44520	45654	46111	98.231
	7	45093	45505	45275	45160	45330	45042	45011	44625	45294	44795	44762	45543	98.116
	8	45352	44946	45899	45321	44682	44808	45221	45429	45348	45185	44668	45540	98.291
	9	45798	44857	46184	45644	45613	45271	45350	45228	45275	44721	45432	45806	98.794
	10	45759	45872	45492	45475	46010	46518	45338	45940	46125	46181	45836	45746	99.721
	11	46085	45558	45771	46699	45523	46594	46439	45826	45589	46085	46004	46050	100.071
	12	45786	46217	45618	46122	46332	46261	46326	45987	46120	46730	46198	46272	100.387
	13	47569	45987	46121	45755	46610	46080	45769	45858	46117	45637	45981	45885	100.278
	14	46000	46135	45697	46289	45931	45873	46283	45745	46341	47027	46246	46025	100.319
	15	46137	45835	45720	46196	46069	46275	45805	45914	46084	46052	46781	45959	100.180
	16	45458	46379	45864	45867	46273	45811	46387	46218	46013	45996	45680	45620	99.952
	17	45037	46162	45362	46134	45995	45862	46036	45428	45726	45512	45805	45891	99.478
	18	46053	46281	45626	45612	45307	45436	45786	45257	45838	44829	45181	45511	99.073
	19	45700	45489	45648	45107	45226	45859	45856	45808	46426	45760	45976	45961	99.453
	20	45848	45534	45392	45694	45513	45952	45379	45755	45475	45547	45885	45242	99.163
	21	45154	44690	45906	45821	45550	46196	46185	45627	46080	46041	45677	45036	99.299
	22	45945	45267	44892	45537	45548	45178	45202	45810	45747	45458	45427	45692	98.889
	23	45007	45391	45859	44852	46042	45589	45705	45598	44902	45483	45273	44994	98.706

		S.V.I.R.CO. Observatory - Pressure Corrected Data - October 2012												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	45190	45268	44742	44666	44757	45035	45233	45818	45023	44972	44952	45229	98.015
	1	45099	46031	45221	45542	45257	45837	44827	45737	44826	45621	45507	45411	98.747
	2	46247	45336	45168	45172	45450	45381	45305	45181	45419	45499	45512	45295	98.755
	3	45821	45174	45728	45217	45378	45313	45331	44948	45398	45198	46281	45225	98.764
	4	45093	45519	45465	44876	44792	45399	45727	45940	45091	45529	45298	44778	98.491
	5	45558	45430	45231	45095	45003	45312	45956	45203	44830	45753	45238	44880	98.488
	6	45263	45366	44618	45161	45449	45196	45843	46226	45202	45609	46337	45552	98.911
	7	45620	45782	45734	45324	45236	45377	46253	46041	45701	45290	45529	45996	99.284
	8	45479	46033	45832	45683	45437	45669	45942	45793	45951	45378	45022	45929	99.332
	9	45269	45233	46028	45544	45391	45847	46193	46002	45775	45632	45423	45916	99.351
	10	45672	45516	45910	45385	45178	45545	45719	45686	45820	45531	46037	45901	99.288
	11	45623	45924	45786	45814	45773	45496	44819	45978	45925	45790	45971	45183	99.320
	12	45237	45776	45544	45581	45589	45373	45655	45351	45645	46058	45847	45973	99.238
	13	45516	45332	45624	45414	45437	45214	45780	45768	45853	45510	45930	45660	99.131
	14	45477	45506	45394	45551	45976	45856	45454	45230	46374	45471	45531	45671	99.213
	15	45663	46035	45313	45500	45554	45464	45987	45993	45713	45536	44890	45593	99.168
	16	45048	45849	45262	45789	45605	46047	45767	45237	45723	45282	45629	45944	99.157
	17	45436	45417	45470	46004	45482	45586	45639	45200	46090	45507	45399	45794	99.128
	18	45830	45493	45685	45589	45408	45399	45671	45802	45455	44910	45662	45588	99.032
	19	45108	45211	44860	44829	45309	45747	45489	44615	45619	45118	45288	45387	98.323
	20	45037	44933	45614	44285	45591	45387	44937	44780	45067	44662	44872	45131	97.909
	21	45005	45020	44426	45075	46180	45117	44670	44894	44158	45048	45168	44929	97.799
	22	45079	45011	44869	45513	45245	45165	45017	44340	44794	45755	45241	45171	98.073
	23	44711	45026	45330	44839	45108	45202	45218	44222	44650	45191	44793	44991	97.725
10	0	45595	45314	44747	45341	44693	45079	44946	45181	45109	45177	44966	45146	98.088
	1	45177	44978	44752	44417	44648	45269	44987	44948	44694	45032	44905	44181	97.491
	2	43686	45037	44543	45043	45084	44696	44554	44404	44997	44342	44085	44223	96.895
	3	44660	44327	43743	44820	44316	44719	44335	44141	44546	44561	44599	45061	96.737
	4	45165	44831	45076	44520	44466	45171	45088	44684	44916	44644	44489	45059	97.513
	5	44950	44436	44997	44455	44905	44546	44402	45227	45045	45005	44564	44640	97.343
	6	45295	44638	45336	44630	44630	44468	44618	45499	44882	44929	44235	45374	97.590
	7	45288	45118	45112	45187	45005	44869	44548	45189	44581	45131	45463	45186	97.978
	8	44332	45160	45136	44896	45170	45247	45103	45093	45290	45260	45013	45616	98.094
	9	44728	45174	44518	44705	45198	44985	44922	45436	45432	45628	45049	45340	98.058
	10	44909	45132	45329	45022	44970	44800	45031	45311	45091	45339	45254	44913	98.055
	11	45150	45197	45727	44950	45644	45326	46162	45538	45670	44975	44699	44995	98.587
	12	45686	45381	44777	45542	45150	45969	44632	44878	45485	45459	45142	44992	98.416
	13	45078	45510	45321	44787	45509	45533	45322	45502	45571	45463	45099	45147	98.552
	14	45147	45695	45761	45380	45290	46224	45349	44989	44712	45281	45474	44997	98.635
	15	45270	44782	45598	45358	45019	44756	44502	44571	45085	44709	45116	45100	97.831
	16	45098	45422	45319	44845	44618	44940	45042	44690	44840	44744	45720	44977	97.902
	17	44821	44419	45617	45042	45102	44657	45384	45560	44954	45184	45216	44611	97.959
	18	45089	44434	45162	45218	45583	45538	44972	44787	44343	44995	45433	44944	97.946
	19	44712	45354	44569	45470	45495	45099	44597	44867	45447	45400	44754	45712	98.123
	20	44443	44961	45038	45372	45269	45201	45230	45107	45005	45002	45224	45393	98.081
	21	45170	44920	44999	44768	44743	45138	45144	45239	45172	45308	45455	45077	98.061
	22	45231	45166	44867	44812	45198	45747	44931	44982	45182	45122	44903	45117	98.084
	23	44227	45277	44909	44999	45187	44413	44590	44778	44672	45225	44657	44953	97.473

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2012											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
11	0	44983	45041	45153	44468	44825	44577	44817	44744	44800	44901	45019	44674	97.492
	1	44774	44571	45045	45093	43753	45045	44812	44610	45329	44905	44381	45309	97.425
	2	44955	44811	44900	45359	45032	44897	44545	44602	44576	45082	44537	45195	97.582
	3	45308	44864	44140	45153	45385	45241	44858	44390	45318	45707	45032	45114	97.948
	4	44975	44451	44881	45654	45181	45414	44434	44857	45752	45338	45313	45141	98.108
	5	45482	44645	45435	45550	44619	45940	45562	45164	45425	45038	45034	45073	98.393
	6	45770	45312	45271	45579	44940	45923	45024	44834	45062	44927	45724	45248	98.511
	7	45794	45275	45101	45331	45419	45391	45431	45737	44807	45737	45631	45389	98.770
	8	45356	45112	45479	45246	45524	45349	45432	45676	45745	45806	44871	45349	98.752
	9	45371	45042	45681	45685	45983	45092	45709	45446	44917	45562	45866	45854	98.981
	10	46179	45455	45866	45403	45906	46129	45959	45684	45793	45556	45652	45655	99.530
	11	45735	45486	45396	45972	46487	46217	45637	45577	46043	45765	45891	45360	99.589
	12	45681	45606	45927	45530	45323	45900	45944	46158	44985	45471	45849	45508	99.284
	13	45573	45904	45559	45407	45543	45286	45396	45766	45588	45007	44959	45622	98.872
	14	45492	45979	45724	45614	44914	45491	45169	45504	45921	44997	44876	45611	98.815
	15	45710	45236	45078	45590	45733	45658	45132	45622	45558	45580	45057	44829	98.723
	16	45508	45508	45970	45000	45199	45316	45057	45193	45440	45248	45185	45327	98.571
	17	45888	45579	46373	45016	44884	45459	44836	45239	45125	45075	45299	45523	98.634
	18	45476	45490	45615	45120	45160	45063	45958	44988	45659	45184	45441	45681	98.732
	19	45173	45994	45428	44568	45209	45251	45265	45343	44945	44987	45574	44567	98.273
	20	44854	45001	44640	44738	45004	45394	46161	44913	44987	44930	44995	44901	97.950
	21	44586	45310	44904	45097	45414	44896	44884	44924	44291	45037	44586	44552	97.580
	22	45282	45421	44597	44695	44768	44856	45063	44597	44998	44471	44710	44101	97.413
	23	44350	44270	44348	44368	44151	44402	44501	44680	44744	44988	44067	43815	96.530
12	0	44203	44777	43833	44434	44393	45067	44471	44050	44033	44539	44162	44304	96.444
	1	44292	44552	44544	44595	44188	44730	44612	44479	44270	45104	44765	44744	96.927
	2	44195	44926	44844	45132	44060	44794	44959	44362	44734	44923	44956	44989	97.290
	3	44915	44857	44859	45123	45121	44853	44717	44041	45029	45028	44918	44859	97.551
	4	44347	44910	44499	45504	45362	44883	44711	45308	44838	45184	45719	45522	97.998
	5	45249	45744	45127	45490	45102	45333	45354	44883	45545	44954	45526	44890	98.435
	6	44824	44838	45210	44910	44504	45088	44962	45476	44638	45109	44650	44600	97.640
	7	44606	44883	45245	45394	44613	44920	44969	45642	45520	44851	44526	45497	97.977
	8	44930	45530	45195	45371	45008	45032	45313	45111	44752	45221	44987	44575	98.041
	9	45321	45467	44607	45145	44871	45159	44830	44817	44814	44686	45449	45154	97.914
	10	44886	44766	45496	44663	45173	44987	44825	44383	45364	45223	44541	45553	97.831
	11	45466	45155	44778	45306	45302	44755	44973	45157	45259	45500	45249	45354	98.264
	12	45382	45385	45148	44977	45573	45545	45322	45521	45205	45348	44934	45471	98.546
	13	45102	45620	45790	45281	45214	45020	45474	45680	44692	44937	45301	44831	98.389
	14	45169	45754	45095	44920	45026	44839	45127	44822	44699	44384	44202	45312	97.738
	15	44341	45064	45458	45222	45580	45015	45296	45362	44620	45055	45276	44678	98.031
	16	44591	44536	45225	45077	45076	44860	44983	45240	44233	44844	44597	44852	97.514
	17	44767	45246	44270	44119	44036	44587	44693	44674	44679	44801	44708	43994	96.872
	18	44662	44421	44816	44843	44479	44863	43981	45529	45120	44349	44512	44470	97.139
	19	45194	44535	44736	44489	44130	44392	44311	44684	44016	44764	44153	43879	96.639
	20	44798	44865	44305	44829	44403	44727	44487	44554	44530	44416	44865	44379	96.978
	21	44794	44578	44326	43955	44447	44648	44314	44354	44023	44337	44180	44516	96.492
	22	44091	43916	44902	44664	44736	44583	44394	44362	44939	44402	44296	44649	96.756
	23	44278	44210	45107	44819	44184	44676	44275	44976	44723	44387	45088	44565	97.002

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - October 2012											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
13	0	43928	44140	44158	44333	44117	44390	44580	44450	44507	44755	44282	44544	96.439
	1	44615	44171	44416	44537	44357	44526	44146	44443	44249	44779	45204	43863	96.643
	2	44853	44715	44883	44005	44822	44464	45111	44595	44242	44458	44528	44380	96.960
	3	44478	44559	44347	44670	44275	44434	44755	44479	44684	44154	44731	44913	96.855
	4	44584	44825	44388	44674	44970	44596	44402	44625	44628	44224	45007	44936	97.105
	5	44541	44790	45160	44805	44956	44923	44886	44868	45106	44722	44975	44985	97.623
	6	45057	44895	44832	45137	44812	45196	45682	44653	45459	45344	44796	45303	98.067
	7	44719	44427	45110	44703	45354	44762	44748	44802	45578	45219	44659	45598	97.797
	8	44830	45487	44709	46000	45361	45182	45030	44826	44835	44843	45234	45726	98.230
	9	45242	45015	45014	44516	45695	45555	45404	45247	45246	45277	44841	45285	98.279
	10	45212	44540	45433	45128	45235	45102	44558	45978	44936	45648	45829	45262	98.374
	11	45637	45564	44852	45520	45160	45065	45112	45792	45281	45308	44708	46052	98.590
	12	45131	45432	45377	46093	44705	45749	45198	44572	44931	45258	45324	45314	98.415
	13	45003	45205	45151	44642	44740	45652	45097	44941	44317	45144	44958	44523	97.742
	14	44732	44852	44430	44769	44750	44490	45206	45280	45495	44883	44490	45354	97.626
	15	44900	44574	45137	45660	44918	45041	45475	44770	44803	44943	44870	45542	97.970
	16	44439	45333	45223	45128	45089	45762	45342	44361	45196	45285	45400	45296	98.192
	17	45604	45221	45063	44849	45401	45715	45087	45143	45347	45517	44910	45591	98.480
	18	45012	45382	44601	44660	45336	45416	45200	45679	45489	45370	45205	45344	98.343
	19	45301	45331	45071	44687	44928	44896	45083	45619	45904	45084	45863	45135	98.382
	20	45274	44821	44830	44821	44962	45352	45815	44695	45207	45265	45097	44525	97.976
	21	45695	44699	45624	45074	44431	45250	44765	44685	44924	45174	44547	45273	97.881
	22	44083	44665	45056	44812	44433	44610	45218	44457	44966	44904	44596	45366	97.343
	23	45105	44424	45253	45503	44768	45107	44993	44482	44707	45124	44980	44813	97.721
14	0	44771	45012	45049	44698	45002	45346	44473	44874	44851	44327	45020	45322	97.628
	1	45071	44571	44574	45129	45167	44700	44808	44909	44509	45332	44076	44252	97.330
	2	44993	44655	44906	44776	44844	45516	44971	45390	44665	45067	44592	44847	97.715
	3	44774	45228	45178	44960	45178	45266	44531	45228	45131	44902	45256	44708	97.917
	4	45048	44706	44866	45487	44863	44861	45336	45435	44834	45567	45131	45010	98.063
	5	44593	45616	44885	45188	44652	45227	45060	44527	44776	45479	45213	45136	97.919
	6	45037	44774	44800	44841	45459	45348	45166	45022	45344	45244	45767	45005	98.183
	7	44479	45045	45465	45005	44904	44718	45729	45394	44639	45584	45501	45050	98.130
	8	45203	45392	44943	45020	45431	44989	44535	45429	45528	45302	45346	45360	98.305
	9	44698	45165	45367	45086	44436	45583	45217	45047	44948	45292	44680	45193	97.985
	10	45350	45773	45339	45175	44997	44438	45204	45561	45673	45430	45033	44787	98.356
	11	45602	44519	44904	45196	45694	45216	45630	45236	45631	44627	45210	45735	98.436
	12	45190	45206	45388	45229	45345	45790	45240	44924	45108	45078	45167	44897	98.320
	13	44948	45158	44699	45023	44869	45001	44832	44866	45238	45083	44874	45345	97.844
	14	44811	45190	45601	45062	46236	44538	45374	45210	45387	45388	44194	44841	98.188
	15	44760	45331	45563	44625	45324	44980	44920	45274	45175	45403	44773	44847	98.032
	16	45012	45602	44785	45149	44886	44882	45557	44666	46027	44993	45088	44759	98.111
	17	44848	45491	45532	45114	45950	45135	45138	45583	45161	45008	45043	45499	98.490
	18	44975	45449	44839	45105	45277	45312	45802	45169	45045	45115	45482	45129	98.345
	19	45488	45102	45148	45164	45053	45114	45356	45643	45593	44950	45166	44790	98.321
	20	45217	45186	45054	45313	45485	45478	45281	45060	45405	45136	45123	45598	98.460
	21	45145	45468	45636	44920	44735	44507	44124	44662	44884	45074	45198	44303	97.612
	22	44878	44711	45274	45688	44559	44891	44936	44931	44563	44445	45518	44813	97.712
	23	44590	44306	44567	44611	44877	45040	44603	44215	44967	44401	45118	45355	97.249

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
15	0	44966	44902	45259	45502	45133	45013	44988	46115	44919	45141	45727	44916	98.315
	1	44694	45082	44735	45102	44577	44948	45508	44898	45296	44839	45098	45661	97.936
	2	44312	44865	45080	45265	45080	44830	44928	44976	44740	45050	44858	44285	97.542
	3	44779	45656	45116	44548	44631	44810	45263	44731	45671	44610	45411	45346	97.960
	4	44954	44937	44909	45085	45246	44767	45195	45216	45065	45026	43523	45064	97.672
	5	44977	44675	44759	45567	44672	45378	45021	45491	45302	44875	45105	44560	97.925
	6	45137	45107	45402	45072	45369	45455	45295	45027	45345	45217	45380	44646	98.300
	7	45074	45239	44774	45252	45208	45071	45337	44613	45488	44964	44765	45228	98.040
	8	44978	45763	45155	44849	45306	45685	44981	45237	45392	44793	45228	45248	98.330
	9	44806	45552	45235	45497	44857	45424	45498	45313	45301	44857	45652	45514	98.491
	10	45271	45071	45619	45447	45316	45148	45289	45514	45537	44893	45399	45683	98.615
	11	45419	45381	45138	45068	45307	44672	45335	45031	44605	44803	45271	45136	98.067
	12	46124	45263	45236	44813	45336	45296	44468	45111	45195	45230	44814	45023	98.201
	13	45208	45281	45673	44779	44925	45491	45393	45186	45180	45055	45408	45219	98.363
	14	44950	45652	45496	45427	45382	45370	45278	44997	44924	45739	45470	45639	98.639
	15	44740	45684	44958	44746	45093	45049	44920	44777	45813	45039	45898	45035	98.174
	16	45209	45834	45402	45724	45541	44808	44949	45046	45685	45350	45091	45043	98.523
	17	44891	45381	44988	45200	45509	45564	45286	45340	45170	45056	45220	45047	98.337
	18	44857	45096	44854	45855	45610	45038	44592	45519	45308	45162	44787	44554	98.080
	19	45346	44908	45105	45240	45315	45021	44909	44710	44649	44822	44385	45038	97.756
	20	44792	44606	45797	45221	45528	44849	45053	45230	45066	45202	44914	44936	98.072
	21	44655	45187	45709	45072	45496	44042	45138	44852	44983	44404	44868	44876	97.725
	22	45360	45688	44509	45085	44914	44762	44870	45175	44895	44946	44086	44788	97.689
	23	44789	44882	45271	45075	44747	44793	44958	45584	45749	45018	44856	45160	98.015
16	0	45655	45033	45019	45231	45062	44647	44810	45439	44996	45253	45156	44888	98.075
	1	45014	45047	45129	44883	44967	45200	45941	44952	44725	44317	44915	44665	97.812
	2	45097	44872	45249	45288	45490	45177	45257	44900	44377	45086	44480	45194	97.940
	3	44841	45207	45503	45602	44808	45318	44832	45276	44608	44696	45185	44519	97.928
	4	45216	45534	45322	45575	45297	44915	45152	45355	45048	45016	45036	44705	98.249
	5	45197	44838	45384	45430	44849	45189	45093	45168	44977	45072	45256	45313	98.176
	6	45409	45603	45060	45932	45352	44628	45349	45474	44551	45226	44943	44969	98.309
	7	44835	46015	45008	44743	44850	45484	44544	44620	44873	45431	45230	44774	97.930
	8	45661	45622	44887	45150	45677	45034	44860	44926	45222	45285	45459	45269	98.410
	9	45476	44733	44551	45331	45604	45198	45799	45232	45129	44974	45491	45136	98.337
	10	45170	45171	44959	45728	45239	45610	45282	44807	44580	45509	45008	45723	98.360
	11	45111	44906	44758	45976	45387	45512	44962	45409	45615	45075	45513	45084	98.455
	12	44308	45211	45694	45328	45719	45403	45482	45252	45190	45357	45152	45210	98.455
	13	44943	45568	45190	45569	45272	45417	45153	45371	45295	45097	45207	44888	98.394
	14	45440	45601	44820	45684	45126	45302	44742	45171	45011	45293	45280	45425	98.381
	15	45942	45821	45365	44895	44772	45082	45168	45760	45205	45494	45078	46052	98.695
	16	45091	44585	44922	45934	44925	45635	44931	45726	45008	45076	45021	45149	98.219
	17	45386	45179	45739	45100	45406	45265	45447	45676	45049	45380	45204	45848	98.704
	18	45499	45198	44907	44850	44722	44970	45553	45265	44937	46373	45661	44713	98.335
	19	44990	44919	44846	45482	45464	44738	45452	45284	45225	45197	45434	45342	98.285
	20	44553	45362	44892	44861	45187	45340	44933	45516	45371	44791	45240	45397	98.117
	21	45116	44989	44704	45610	45074	45353	44981	45230	44972	44812	44860	44945	97.973
	22	45780	45006	44978	44701	44627	44980	44979	44266	45157	45161	44847	45183	97.795
	23	46049	45422	45130	44972	45559	45212	44991	44930	45135	44585	45807	44807	98.326



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
17	0	45221	44783	45025	44930	44842	45367	44793	45913	44733	44834	44842	45193	97.941
	1	44587	45189	44911	44308	44869	44775	44954	45137	45144	45315	45282	45323	97.818
	2	45021	45569	44953	45015	44759	45405	45606	45646	45352	44865	44924	45426	98.316
	3	45067	45232	45014	45471	44623	45400	45833	45432	45086	45693	45270	45108	98.441
	4	45282	45053	44988	45422	45566	45062	45545	45707	46127	45664	45177	45328	98.747
	5	45678	44956	45657	45291	44774	44991	44887	45523	44978	44875	44806	45528	98.208
	6	45112	45678	44837	45477	45658	45081	44908	45241	45056	45269	45156	45524	98.399
	7	45712	45767	45904	45752	45722	45268	45561	45050	45479	44891	45434	45459	98.943
	8	45431	45078	45578	45440	45248	45298	45626	45674	45199	45753	45725	45433	98.849
	9	45241	45302	45093	45204	44793	45394	45230	45641	45091	46205	45446	45224	98.556
	10	45470	44831	46273	45751	45992	45470	45185	45303	45633	45053	45525	45447	98.931
	11	45179	44837	45036	45116	45592	45477	45600	45659	45069	45286	45665	45148	98.520
	12	45129	45349	45048	45119	45363	45017	45436	45714	44989	45047	45794	45417	98.476
	13	45815	44976	44922	45629	44887	45387	45800	45987	45555	45903	45347	45788	98.943
	14	45619	45698	45484	45446	45632	45380	45432	45940	45713	45374	45329	45672	99.073
	15	45512	45380	46098	45752	45506	45347	45573	45694	44912	45691	45301	45294	98.954
	16	45686	45518	45086	45055	45911	45610	44756	45489	45419	44964	46056	45170	98.711
	17	46103	45629	45631	44649	46175	46124	44961	45817	45877	45571	45485	45483	99.216
	18	45146	45507	45261	45560	45794	45525	45034	45127	45415	45407	45705	44961	98.661
	19	45149	45798	45043	45127	44982	44982	45055	45213	45077	45259	45225	45403	98.275
	20	44676	45132	45656	44888	45600	44931	45121	44690	45299	45096	45096	45344	98.132
	21	44931	45658	45252	45284	44971	44966	45176	45238	44769	45295	45756	45475	98.358
	22	45505	45174	45010	45660	45320	45347	45337	44858	45013	44908	45018	45382	98.314
	23	45404	44934	45077	44863	45125	45486	45415	45233	46172	45628	45618	45436	98.652
18	0	45416	45345	45637	45603	45197	45009	44919	45343	44955	45465	45141	44784	98.364
	1	44888	44906	44662	45316	45384	45866	45198	44676	45273	45449	44991	44858	98.122
	2	45062	44958	45375	44576	45668	45231	45139	45199	45247	46089	45728	45391	98.520
	3	45012	45553	44764	45353	45469	45344	45548	45466	45559	44807	45268	45109	98.445
	4	45337	45674	45084	45464	45293	45115	45032	45319	45418	45186	45152	45209	98.451
	5	45440	44989	45579	45089	44700	45278	44867	45327	45390	45226	45599	45445	98.386
	6	45635	45424	45344	45751	45265	44791	45187	45184	45793	45183	45180	45604	98.642
	7	45303	45844	44975	45318	45874	45508	45604	45199	45301	44564	45908	45642	98.769
	8	45648	44939	45569	45219	46091	45224	45339	44995	45081	45830	45455	45924	98.819
	9	44843	45107	45095	44928	45630	45048	45901	44979	45167	45517	45809	44948	98.394
	10	45471	44976	45683	45463	45567	45310	45236	45136	46402	45662	45680	45567	98.971
	11	44994	45509	45238	45092	45373	45115	45607	46296	45320	45519	45524	45630	98.802
	12	45149	45386	45973	45491	45801	45252	45215	45854	45306	45450	45066	45472	98.837
	13	45723	45702	45937	45249	44909	45408	45512	45341	45047	45348	45374	45168	98.711
	14	46163	45641	45354	45223	45173	44903	44921	45522	45733	45677	45800	45185	98.815
	15	44801	45064	45543	45085	45385	45596	44745	45688	45459	45650	44930	45015	98.392
	16	45538	45899	45691	45735	45223	45649	46278	45078	45655	45436	45522	45668	99.192
	17	45454	45481	45177	45374	44907	45159	45218	45132	45415	45277	45191	45118	98.382
	18	45445	45147	44892	45699	45016	44898	45457	45774	45151	45122	45064	44970	98.333
	19	45402	45511	45783	45508	45216	44723	45383	45038	44522	46224	45373	45184	98.557
	20	45123	44900	45258	45691	45272	44734	44781	44904	45098	45162	45299	44392	97.967
	21	44989	44668	45120	45667	44912	45354	45289	45361	45801	45209	45562	45400	98.460
	22	44671	45329	45426	45435	45480	45444	45176	45043	44710	45162	44799	44925	98.145
	23	45084	45821	45183	45140	44385	45973	45552	45000	45194	45549	45621	45156	98.518

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
19	0	45241	45053	45431	46009	45282	45033	45270	45307	45153	45149	45536	45052	98.493
	1	44917	45427	45635	45675	44889	45144	45091	45711	44718	45477	45164	45145	98.398
	2	45491	45136	45909	45736	45222	45236	45007	45253	45822	45323	44887	45758	98.722
	3	44985	44480	44828	45258	45256	45602	44917	45088	45236	44709	45577	45565	98.128
	4	45288	45575	45376	45695	45171	45395	45295	45108	44920	45233	45305	45196	98.500
	5	45108	45924	45542	45246	44501	45342	45801	45171	45263	45368	45050	44902	98.439
	6	45236	45611	45119	45424	45422	45570	45913	44790	45165	45495	45858	46057	98.882
	7	44844	45914	45766	45995	45750	45640	45387	44899	45553	45049	45504	44964	98.810
	8	46077	45099	45223	45454	44873	45133	45135	45846	45477	44739	44664	45292	98.401
	9	45744	45085	45771	45879	46035	44969	45976	44902	45810	45507	45323	45663	99.064
	10	44635	45016	45184	45212	44923	45749	45586	45509	45360	45841	45054	44766	98.370
	11	45647	45655	45679	45369	45762	45239	45733	45034	44853	45585	44708	45606	98.738
	12	45205	45588	45287	45149	46001	45182	45404	45777	45580	45612	45776	45185	98.897
	13	45260	46207	45627	45703	45129	45830	44947	44950	45412	45719	45331	45589	98.889
	14	45189	44926	45652	46031	45577	45627	45060	45663	45728	45436	45725	45343	98.936
	15	45879	45189	45483	44797	45347	45619	45555	44639	45169	45087	45487	45333	98.505
	16	45411	45681	45163	45312	44971	45849	45108	45168	45234	44374	45038	44588	98.200
	17	45496	45759	45376	45832	45633	44895	44403	45184	45294	46016	45409	45449	98.716
	18	45435	45544	45316	45613	45375	45545	45040	45638	45436	45308	45739	45190	98.794
	19	44808	45325	45663	46220	45493	45449	45235	45681	44789	44894	44988	45202	98.535
	20	46029	45317	45583	45172	45259	44840	45233	45058	45401	45636	44937	45069	98.496
	21	45389	45280	44857	45282	45338	45338	45247	45092	45098	45388	45374	45067	98.354
	22	45329	45342	45985	45229	44888	45608	45121	45514	45288	45757	45675	45041	98.721
	23	45075	44994	45472	45350	45129	46016	44700	45322	45049	44459	45333	45176	98.232
20	0	45419	45938	45304	45119	45116	45266	46130	45269	45619	45726	45565	45547	98.949
	1	45343	45187	45454	45263	45198	45168	45456	45184	45419	45241	44851	45360	98.421
	2	45410	44756	45452	45250	45501	45524	45806	45091	44847	45821	45317	45747	98.675
	3	45260	45561	45312	45555	45602	45564	44946	45703	45535	45510	45434	45539	98.856
	4	45177	45252	45835	45492	45389	45170	45104	45174	45107	45330	45615	45084	98.531
	5	45532	45208	44783	45505	45571	45152	45405	45765	45103	45521	44800	45182	98.495
	6	46091	45063	45588	45687	45890	45184	44809	45419	45232	45883	44839	44660	98.644
	7	45530	45413	45187	45580	46204	45844	45937	45513	45042	44913	45426	45456	98.951
	8	45274	45809	45314	46092	44893	45351	45852	45389	45293	45048	45279	45649	98.806
	9	45574	45658	45544	45579	45233	45133	45552	45619	45718	45284	45240	45209	98.824
	10	45358	45660	45385	45447	45666	45823	45230	45588	45310	46114	45540	45793	99.109
	11	44697	44771	45109	45485	45290	46003	45572	45194	45291	45146	45077	44848	98.306
	12	45085	45755	45720	45073	45139	45595	45631	44898	45605	45465	45383	45248	98.688
	13	46217	45715	45229	46077	45566	45454	44737	45618	44952	45625	45232	44986	98.835
	14	45720	45238	45619	45206	45383	45402	45677	44831	45839	45721	45547	45916	98.961
	15	45585	45731	45692	45272	45091	45415	45449	46406	45637	45146	45450	45320	98.978
	16	46075	45633	45893	45286	46020	45591	45078	44939	45245	45446	44840	45253	98.816
	17	45150	45614	45692	45403	45207	45603	45080	45736	45387	45527	45034	45510	98.751
	18	45533	45455	45975	45394	45672	44864	45097	45334	46091	45626	44785	45314	98.787
	19	45731	44960	45397	45592	44689	45551	45796	45564	44795	45909	45628	45563	98.793
	20	45421	45040	45028	44635	45126	45736	44783	45238	45143	45318	45614	45223	98.274
	21	44624	44858	44962	45757	45754	45884	45798	45168	45433	45022	45304	45905	98.665
	22	45075	45549	45369	44853	45083	45196	45405	45019	44958	45239	45462	45542	98.354
	23	45433	45400	45070	45411	45692	45976	46110	44915	45664	45569	45648	45756	99.060

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
21	0	45232	45320	45229	45353	45563	45385	45069	45439	45895	45887	45482	45141	98.758
	1	45266	45048	45404	45341	45135	45733	45402	45839	45874	45814	45674	46262	99.087
	2	45158	44876	45898	45738	45848	45322	45804	45504	45776	45032	45642	45790	99.013
	3	44926	44519	45273	45368	45769	45537	46042	45530	45475	46078	45515	45154	98.796
	4	44988	45503	45850	45316	44996	44730	45427	45250	45504	44862	45319	45380	98.422
	5	45142	45267	45096	45050	45338	45491	45865	45078	46075	45646	45777	46413	98.986
	6	45759	45203	45477	44970	45085	45065	46009	45292	45153	44888	45831	45551	98.631
	7	45078	44860	45450	46445	45226	45523	45446	45292	45119	44845	45466	45289	98.588
	8	45659	44979	44888	45317	45005	45545	45650	45571	45736	45257	45352	45182	98.606
	9	45547	45560	45686	46114	45731	45201	45348	45829	46056	45391	45483	44878	99.092
	10	45570	44968	45196	45553	45294	45646	45541	45696	45625	45677	45175	45008	98.753
	11	45647	45284	45908	45892	45484	45776	45903	45665	45044	45933	46150	45725	99.380
	12	45196	45147	45687	45393	45172	45699	45522	45317	45498	44736	45351	45254	98.575
	13	45247	45054	45303	45842	45369	44909	45861	45430	46044	45625	45268	45442	98.834
	14	45589	45223	45621	45328	45104	44998	45233	45038	45794	45399	45386	45756	98.666
	15	45581	45848	45289	45621	45232	45690	45758	45554	45952	45264	45433	45468	99.068
	16	45228	45518	45366	44868	45292	45252	45476	46021	45730	45303	45297	45083	98.659
	17	45198	45308	45818	45745	45722	45237	45314	45538	45620	45642	45876	45730	99.078
	18	45830	45621	45726	45065	45398	45533	45887	45921	45108	44858	45921	45363	98.985
	19	45407	45898	45953	45870	45422	45580	45312	45434	45337	45440	45616	45849	99.145
	20	45073	45693	45627	45674	45123	45525	45468	45997	45514	45599	46330	45325	99.115
	21	45268	45565	46009	45430	45406	45858	44843	44946	45080	44893	45153	45744	98.616
	22	45631	45780	45820	45793	45908	45541	45783	45307	45766	45130	45592	45468	99.218
	23	45820	45563	45596	45501	45727	45794	45365	45012	45743	45371	45799	45705	99.123
22	0	45335	45591	45400	45437	46229	45853	45348	46002	45563	45537	45591	45036	99.115
	1	45704	45785	45854	45494	45451	45030	45692	45108	45401	45508	45561	45367	98.934
	2	45666	45297	46037	46056	45753	45777	45512	45679	44754	45963	45469	45278	99.168
	3	45787	45585	45735	45883	45161	45794	45466	44868	44919	45631	46059	45366	98.990
	4	45575	44628	45228	45272	45959	45997	45214	46120	44745	45776	45283	45732	98.858
	5	46152	45140	45620	45697	45494	45317	44750	45741	44836	45306	45650	44893	98.688
	6	45923	45733	46014	46215	45764	45024	45373	45112	45784	45549	45466	45596	99.225
	7	45960	45896	45176	45403	46127	45556	45595	45886	46016	45327	45395	45295	99.239
	8	45168	45135	44795	45097	45913	45415	45569	45875	45952	45617	45667	45242	98.843
	9	45640	45462	45788	45971	44954	45511	45477	45481	45511	45161	45664	45451	98.956
	10	45936	45820	45324	45627	45903	45267	45652	45097	45786	45466	45621	45703	99.161
	11	45180	45417	45800	45769	45701	45405	45559	45605	45954	46129	45898	45690	99.325
	12	45234	45102	45762	45962	45436	45363	45325	45760	45795	45302	45268	45241	98.861
	13	45285	45754	46203	45703	45556	46105	45289	45290	45754	46133	45525	45341	99.294
	14	45393	45861	45532	45807	45222	45211	45673	45129	45501	44936	46283	45250	98.907
	15	45532	45711	45960	46029	45873	45796	45487	46190	45774	45224	44975	45715	99.353
	16	45964	45915	45835	45498	45904	45909	45177	45691	45699	45205	45522	45954	99.355
	17	45759	46018	46056	45219	46196	46141	45850	46254	45566	46490	45527	45304	99.737
	18	45822	45886	45939	45880	45788	45862	45782	46217	45543	45611	45918	45554	99.632
	19	46088	45500	46034	45799	44865	46097	46202	45043	46184	45863	45570	45946	99.521
	20	45335	45422	45258	45456	45818	45656	45064	45312	45803	45652	45572	45807	98.971
	21	46108	45969	46603	45737	45581	46025	45565	45646	45423	44312	45637	46008	99.416
	22	46025	45683	45783	46100	46308	45817	46183	46192	46084	46374	45264	45804	99.961
	23	46061	45854	45859	46596	45158	46012	45706	45757	46158	45851	46083	45711	99.814

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
23	0	45617	46037	45301	45686	46196	45982	45669	45521	45952	45849	46177	45661	99.604
	1	45819	45683	46316	46015	45840	45520	45635	45352	46080	46133	45226	45558	99.519
	2	46197	46053	45981	46003	45513	45825	45786	45493	45375	45526	45322	46625	99.613
	3	45611	45267	45115	45891	45812	45838	45902	46329	45766	45334	45699	46501	99.498
	4	45053	46041	46431	46748	45408	46118	45347	45897	45192	45577	45892	45917	99.599
	5	45333	45624	45505	45502	46010	45430	45304	45731	45001	45901	45164	45672	98.975
	6	45521	46025	46029	45493	45240	45499	45729	46022	45396	45811	45571	44983	99.182
	7	45774	45509	45671	45776	45978	45139	46016	45295	45344	45975	46025	45792	99.359
	8	45160	45472	45367	45537	45239	45915	45655	46230	45710	46558	45541	45846	99.347
	9	46216	45942	45730	45946	45364	46116	45762	45882	45674	45824	45845	45361	99.607
	10	45370	45730	45374	45876	45591	45920	46261	45849	46244	45626	45826	45837	99.578
	11	45569	45966	46071	45422	46101	46036	45669	46222	45104	46329	45644	45838	99.663
	12	45425	45996	45695	45707	45674	45606	45686	45836	45751	45723	45950	45639	99.431
	13	46575	44935	45995	45701	46258	45530	46316	45908	45933	46076	45757	45082	99.680
	14	45822	46101	45596	46382	46166	45598	45707	46175	45609	45949	45741	45633	99.755
	15	45757	45298	45705	45657	45449	45851	46082	45805	45655	45948	46016	45501	99.437
	16	45482	46499	45443	45545	45705	46027	46725	46205	46249	46057	46497	45961	100.102
	17	45793	45969	45668	45668	46346	45942	45586	45309	45722	45929	45255	45139	99.365
	18	45306	45803	45454	45555	45941	46125	44688	46004	46017	45953	45910	45894	99.423
	19	45774	46039	45889	45678	46284	45438	45462	45440	45363	45846	45753	45651	99.417
	20	46113	45844	45674	46240	45841	45684	45754	45550	45629	45737	45571	45814	99.568
	21	45512	45823	45998	45645	45912	46165	45900	45482	45896	45044	45718	45736	99.456
	22	45756	46177	45435	45648	45827	45361	46040	45443	46046	45937	45798	45761	99.528
	23	45307	46427	45368	45556	45583	45244	46037	45376	46050	46119	46088	45647	99.451
24	0	45164	46373	45582	46032	45917	45265	45532	45771	45673	45405	45940	45452	99.322
	1	45233	46023	45809	45242	46353	46284	46151	45545	45476	45172	45193	45879	99.370
	2	45322	45530	45705	45692	45789	44965	45381	45726	45247	46224	46027	45594	99.161
	3	45606	45393	46372	45727	45371	45527	45660	45558	45518	45351	45508	45444	99.130
	4	45898	44828	45851	45980	45911	45563	45452	45514	46207	45357	45069	45741	99.192
	5	45689	46000	45829	45269	45754	46200	45225	45670	46033	45989	46631	45806	99.685
	6	46332	46010	46074	46247	45497	45224	46041	45660	45575	45738	45511	45664	99.591
	7	45744	45782	46235	45364	45853	45839	45550	45422	46355	46300	46383	45836	99.788
	8	45817	46147	45661	45275	45763	45694	46082	46488	46101	45866	45650	46030	99.772
	9	45513	46191	46287	45026	46135	45855	46071	46222	46384	45548	45904	45775	99.833
	10	45793	45861	45731	46143	45737	45971	45909	45697	45502	45932	46203	46535	99.852
	11	45408	46004	45926	45895	45791	46029	45745	45755	46019	45712	45891	46642	99.816
	12	46110	45469	45851	45696	45952	45983	46249	45803	46389	45858	45533	46317	99.887
	13	45398	45889	45613	46182	46243	45675	45849	45795	46396	45628	46352	46725	99.984
	14	45719	46383	45804	46168	45981	45928	46080	46263	46374	45629	46607	45685	100.143
	15	46252	45824	45705	45692	45990	46262	46352	45855	45400	45565	45473	46261	99.782
	16	45698	45635	46406	45855	45809	45892	46600	45415	45955	46301	46020	46172	99.986
	17	46333	45218	46050	46136	45684	45475	46027	46106	45490	45529	45955	45670	99.609
	18	46186	45970	45805	46002	45887	45151	45600	45800	46252	45399	46291	46117	99.751
	19	45812	46336	45693	46246	45629	45841	46116	46189	45578	45880	46484	46064	100.006
	20	46100	46158	45798	45681	46426	45624	45405	45545	45768	45246	46205	46431	99.738
	21	45994	45300	45886	45807	46063	45581	45517	45422	45326	45962	46240	45698	99.449
	22	45907	45918	45613	45905	45289	45493	46116	45911	46158	45894	45413	46027	99.603
	23	45471	45543	45680	45209	45887	45496	45743	46018	45647	46208	46211	45749	99.462

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
25	0	45865	45788	46302	45573	45830	45231	45394	45980	45622	45897	46053	45726	99.531
	1	46215	45680	45662	45833	45445	45627	45639	45285	45617	45311	46075	45800	99.339
	2	45478	45872	45644	46038	45806	46041	46044	45610	46334	45872	45877	46554	99.880
	3	45677	46351	46604	45962	46145	45898	45483	46100	45367	46015	46200	45716	99.943
	4	46754	45253	46420	45822	46189	45874	45941	45677	45223	46461	45530	45384	99.763
	5	45687	46068	45712	46174	46154	45901	45889	46217	45528	46329	45796	45866	99.907
	6	45908	46122	45462	46433	45741	46332	46438	45922	45692	45830	46576	46563	100.215
	7	45920	46033	45974	45703	46177	45812	45827	46219	45932	45399	45926	46033	99.841
	8	46375	46038	46314	45809	45762	46451	45756	46444	46432	45899	46590	46748	100.505
	9	46391	45695	46220	45975	46106	45621	46537	45422	45714	46535	46243	45657	100.051
	10	46027	45613	45875	45572	46095	46009	46437	45533	45741	45842	45946	45335	99.672
	11	45763	46148	46546	45706	46117	46392	45421	46384	46369	45314	45566	45492	99.888
	12	45474	45832	46109	46796	46486	45777	45486	45538	45957	45515	46057	46108	99.874
	13	46283	45507	45631	46276	45270	45565	46052	46258	45850	46438	46439	46090	99.968
	14	45891	46106	46157	46113	45957	46071	45792	46361	45804	45715	45466	46230	99.970
	15	46153	46184	45604	45769	46426	45402	45795	46093	46220	45812	46496	46443	100.102
	16	46083	46034	46514	46053	46300	46156	46644	45564	46035	45841	45881	45879	100.209
	17	46655	45408	45965	45843	45734	45852	46464	45896	46014	45707	45987	46113	99.964
	18	45879	45905	45711	46570	46459	46050	46097	46305	45900	46045	45542	45919	100.100
	19	46240	45900	45957	45353	46087	45787	45798	45679	46472	46124	46535	46083	100.033
	20	45986	45305	46078	46248	45982	45306	45356	46076	45851	45998	45306	45159	99.423
	21	45613	45697	45562	45525	45893	45234	45094	45871	45364	45420	46104	45763	99.150
	22	46190	45928	45798	45958	45636	46228	46155	46287	45530	45729	46139	45327	99.832
	23	45812	46260	45466	46421	45502	46130	45768	45533	45943	45777	46366	45695	99.790
26	0	45884	45697	45870	46242	45649	45832	45617	45918	45837	45461	45708	45086	99.448
	1	45312	46079	45805	46355	45874	44994	46009	46015	46203	45709	45874	45732	99.661
	2	45757	45485	45608	45946	45969	45652	45518	45520	46286	46035	45524	45283	99.411
	3	45722	45589	45549	46342	45406	45732	45681	45984	45456	45768	45802	45566	99.414
	4	45341	45180	45569	46331	46160	45121	45590	45484	45081	45722	45679	45619	99.102
	5	45934	45694	45991	45344	45993	45410	46118	45082	45810	45684	45663	45956	99.428
	6	46193	45748	45346	45897	45592	45215	45498	45525	45973	45977	45459	46384	99.452
	7	45958	45624	45227	46316	46089	46368	46120	46098	46342	45489	46068	45873	99.952
	8	45866	46146	45518	46119	45887	46223	46292	46011	46334	46197	45686	45742	100.035
	9	46133	45307	45561	45931	45659	45306	46016	46159	46286	45428	45771	45945	99.578
	10	45380	45661	45050	46079	46173	45417	45774	45744	45549	45910	45978	46166	99.466
	11	45669	45804	45906	46084	45907	45484	45707	45903	46111	46022	45814	45820	99.710
	12	46460	46159	46203	45510	46138	45945	45751	46069	46138	46013	46159	45870	100.105
	13	46595	46316	45537	45785	45857	45911	46443	45845	45787	45831	46457	45952	100.087
	14	46236	46310	45985	45727	45821	45787	45681	46279	45986	46160	46502	45784	100.077
	15	45865	46203	45371	45824	46041	46548	46118	46208	46159	45535	45709	46229	99.996
	16	45802	45857	46508	45802	45697	46344	45944	46068	46268	46247	45452	45249	99.892
	17	46081	45814	45416	45650	45640	45602	45619	46388	45983	45701	46098	46520	99.762
	18	45147	45340	45844	45972	45708	45564	45249	46145	45704	45558	45852	45294	99.193
	19	45596	45738	45462	45453	45507	45361	45608	46075	45706	45702	45896	46030	99.331
	20	45384	45388	45723	45661	45225	45270	45818	45334	45511	46037	45760	45768	99.103
	21	45747	45040	45454	45198	45674	45829	45719	45945	45386	46155	45497	45773	99.200
	22	45725	45952	45519	45676	45680	46007	46191	45956	45706	45756	46102	45477	99.622
	23	45478	45474	45804	45350	45764	45315	45915	45447	45761	45627	45709	45798	99.204

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
27	0	46424	45075	45406	45998	45505	45893	45663	46274	45783	45730	46067	45575	99.547
	1	44970	45458	45779	45735	45549	45798	45588	45534	45679	45774	45683	46176	99.256
	2	45343	45215	45595	45377	45475	46142	45018	45596	45511	45888	44779	45434	98.830
	3	45941	45690	45209	45428	45654	46074	45998	44938	45077	45285	45707	45523	99.038
	4	45896	45316	46132	45583	45744	45643	46106	45362	45488	46087	45864	45539	99.443
	5	45589	45713	45489	45842	45540	45874	45256	45706	46097	45548	46084	45774	99.398
	6	46292	45706	46237	45879	45528	45707	45793	45749	46140	45703	45702	46029	99.752
	7	45439	46118	45827	45901	45757	45942	45968	45156	45571	45654	46244	45784	99.552
	8	45168	45795	45427	46075	46119	46246	45928	45604	46084	46522	46205	46166	99.911
	9	45429	45768	45980	45568	45838	45489	45696	46173	45984	46445	45938	45701	99.669
	10	45848	45589	45690	45728	45470	46091	46072	45961	45478	45981	45950	46362	99.708
	11	45811	45222	45725	46054	46463	45936	45537	45535	45519	45834	45914	45920	99.572
	12	46083	45673	46038	46006	46027	45547	45789	46108	46355	46009	45943	45368	99.839
	13	46017	46466	45785	45575	45004	45862	46283	45821	46015	45597	46002	45997	99.744
	14	46075	46036	46045	45798	46355	45788	45277	46152	45609	46190	46177	45812	99.906
	15	46123	45402	45749	45271	45782	45786	46061	46237	45908	45655	45994	45572	99.584
	16	45547	45730	45797	45483	46360	45900	46336	45681	46231	45652	45455	45448	99.599
	17	45906	45947	45888	45547	45841	45881	45741	46190	45841	45859	46053	45989	99.792
	18	45776	46063	45631	46106	45563	45727	45075	45647	45754	45532	45318	45673	99.281
	19	45688	45716	45595	46276	46044	46179	45951	46039	45295	45514	45897	45906	99.686
	20	46093	45789	45797	46200	45836	45738	45815	45545	45571	45755	45993	45810	99.658
	21	45576	45708	45456	45885	46041	46427	45570	46199	46035	45586	46116	45609	99.706
	22	46087	45406	46089	45726	45585	45457	46191	45577	45775	45949	45471	46239	99.587
	23	45467	45580	45344	45919	45576	45918	45517	46213	45849	45709	45936	45633	99.425
28	0	46073	45605	45278	45974	45482	45649	45484	46166	45571	45818	45720	45900	99.442
	1	45418	45346	45865	45292	45640	45533	45752	45985	45636	45996	45323	45631	99.200
	2	45970	46161	45264	45554	45608	46011	45780	46050	45821	46186	45275	45654	99.547
	3	45757	45820	45334	45864	46139	45638	46419	45757	45736	45942	46055	45907	99.734
	4	45865	46147	45876	46026	46001	45692	45401	46740	45274	45784	46356	45986	99.876
	5	46188	45845	46314	45738	45762	45893	45955	45865	45704	45324	45574	45567	99.620
	6	45271	46061	45401	45977	45889	45970	46365	45871	45850	45740	46055	45492	99.657
	7	46225	45469	45524	45514	45583	45725	45961	45966	45991	45944	45519	45954	99.555
	8	45742	46265	45654	45609	45881	45547	45893	46132	46711	45942	45447	45930	99.804
	9	45708	45922	45867	46250	46270	45293	45387	46375	45822	45825	45706	45936	99.733
	10	45543	46043	46141	46341	45860	46229	46105	45579	46504	45612	45457	46127	99.947
	11	46206	45889	45518	45232	45862	45660	45918	46059	46002	46097	45679	45828	99.659
	12	45836	46044	46237	45786	45495	45410	45832	46460	46086	46046	46067	45825	99.871
	13	45545	46118	45989	45950	45676	46420	45952	45910	46351	45845	46237	46045	100.037
	14	45982	45941	45860	45375	46138	46349	45754	46176	46036	46598	45651	46159	100.034
	15	45813	46124	46458	46174	46426	46137	45579	45937	46388	46045	46545	46239	100.368
	16	45673	45917	45462	45672	46416	46227	46401	46126	46246	46090	46418	46138	100.172
	17	46394	46200	46139	46165	45915	46029	45792	46385	46005	46146	46130	46282	100.317
	18	46314	46026	45787	46110	45371	45533	45827	46397	45395	45637	45952	46189	99.766
	19	46368	46003	46666	45995	45641	46293	45957	46079	45742	46279	46848	45837	100.339
	20	45907	45943	46162	45667	45970	46483	46419	45906	46074	45517	45572	45569	99.883
	21	45673	46603	45676	46137	45630	46565	45641	45656	45248	45929	46340	45659	99.805
	22	46156	45729	45985	45784	46263	46020	45642	46102	45502	46581	46148	46141	100.040
	23	45960	45946	46047	45991	46330	45513	46081	46024	45710	45683	46637	45919	100.002

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
29	0	46160	45344	45648	45953	45790	45658	45566	45979	45659	45963	45601	45419	99.441
	1	45879	46415	45933	45583	45567	45357	45737	45335	45898	46043	46126	46158	99.674
	2	45738	46237	45694	45606	45674	45762	46257	45864	45755	45784	45865	45805	99.675
	3	45694	45778	45962	45382	46331	46137	46334	45913	46252	45911	45612	46150	99.931
	4	45871	45649	45789	46135	46174	45920	46210	45871	45226	45142	45504	45610	99.506
	5	45104	45852	45760	45563	46011	45764	46273	46118	45885	45912	46120	46478	99.819
	6	45651	45681	45814	46558	46038	45924	46204	45562	46038	46142	46305	45662	99.954
	7	45528	45548	46396	45783	45690	46196	46621	45865	45616	45695	45516	45810	99.716
	8	45344	45196	46232	45543	46020	45626	45872	46363	46031	45621	45928	45822	99.595
	9	45725	45864	45678	45778	45860	45833	46211	46408	46699	45906	45538	45981	99.936
	10	45876	45580	45818	45896	45607	45972	45988	45976	45952	45441	46329	45949	99.738
	11	45642	46072	46030	45710	45432	45786	45899	46037	45920	45859	46116	45785	99.720
	12	45987	45832	46295	45704	45574	46030	46240	46239	45674	45679	46070	45745	99.862
	13	46175	45842	45842	45809	45784	46178	46053	45258	46117	46162	45644	45329	99.704
	14	45324	45724	46490	46552	46177	45706	45332	46175	46741	45259	45742	45450	99.790
	15	45672	45706	45743	46061	45795	45426	46225	45219	45476	45525	45652	45873	99.373
	16	46151	45828	45799	45308	46115	45364	46003	46566	46019	46244	45865	46394	99.968
	17	45686	45766	46439	45960	46593	46851	46351	46064	46165	45300	46042	45996	100.250
	18	45094	45169	45602	46145	46511	45988	45847	45196	45908	46109	45710	46252	99.582
	19	45379	45897	45656	46055	45823	46210	45515	46115	45700	45827	46479	46231	99.828
	20	46258	45764	45387	45299	45408	45614	45648	45572	45914	45887	45806	46132	99.430
	21	45620	45843	45483	45731	45832	45784	45764	46020	45930	45336	46353	44858	99.406
	22	45834	46186	45680	45841	45458	45899	45829	45975	46095	45411	46371	45933	99.761
	23	45794	46430	46035	45797	45881	46211	45198	46064	46056	45791	45441	45298	99.667
30	0	46034	45939	45903	45931	45496	45573	45766	45587	45918	45573	45798	45837	99.554
	1	45882	45484	45866	46034	45890	46060	45967	45756	46114	45927	45146	45678	99.632
	2	45936	46542	45843	46064	45797	45814	46334	46194	45861	45578	46120	45975	100.040
	3	46478	46226	46247	45442	46150	45559	45835	46000	45824	45532	46310	46359	100.023
	4	45537	46164	46110	45924	45971	46018	45580	45395	45643	46017	45499	45683	99.585
	5	45869	45654	46170	46224	45297	45914	46284	45856	45076	46360	45644	45513	99.643
	6	46099	45666	46159	45401	45729	45569	45742	46079	45793	45919	45360	45334	99.460
	7	46155	45849	45695	45820	45112	46247	45579	45945	45693	45976	45858	45862	99.630
	8	45896	45401	45390	45585	45341	45643	46271	45749	46494	45580	45833	45490	99.427
	9	45665	46238	45764	45327	45489	45906	46458	45112	46075	45812	46262	45886	99.667
	10	45174	45894	45895	46030	46124	46183	46314	46341	46032	46125	45996	46102	100.069
	11	45766	45614	45118	46049	45978	46141	45082	45644	45744	45566	45191	45782	99.247
	12	45825	45608	45624	45527	45749	45410	45491	46162	45535	46140	45599	46243	99.471
	13	45855	45945	45593	45408	45573	46318	46233	45640	45005	46200	45566	46182	99.581
	14	45488	46062	45626	45549	45510	45783	45765	45918	45283	45738	45979	45695	99.377
	15	45718	45899	45692	45035	45572	45946	45549	45585	46401	45727	45507	45800	99.383
	16	45787	45829	45645	45639	46420	45447	45726	45159	45583	46017	46126	46211	99.593
	17	45716	45593	45885	45487	45562	45525	46068	45616	45919	45586	46082	45914	99.478
	18	45291	45930	46265	46251	46264	45541	45902	45652	45287	45265	46298	46014	99.660
	19	46046	46076	45923	45883	45787	45797	45850	46044	45948	45764	45208	45789	99.688
	20	45660	45996	46187	45519	45900	46150	45628	45593	45565	45781	45767	45831	99.591
	21	45848	45859	46193	46204	45422	45650	45382	45565	45418	45846	45994	46121	99.578
	22	46093	45880	45595	45683	45639	45973	46080	46120	45636	45795	45988	45968	99.749
	23	45701	45861	45284	46179	46000	45741	45728	45480	45884	45448	45423	46085	99.453

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – October 2012											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
31	0	45545	45537	46155	46011	45811	45519	46271	46366	46128	45870	45388	45226	99.635
	1	45097	45504	45275	45548	46018	45794	45510	46050	45506	45257	46188	46149	99.287
	2	45710	45945	45553	46176	45725	45824	45903	46015	45950	46038	45250	45354	99.567
	3	45225	45760	46405	45827	45458	46182	46060	45261	45732	45981	45802	45706	99.559
	4	46060	45527	46163	46168	45526	45987	45237	45796	45923	46532	45593	45076	99.593
	5	45392	46195	45467	45577	46100	46006	45221	45675	45564	45812	45723	45951	99.429
	6	45994	45766	46065	46092	45830	46099	45313	46200	46147	45676	46213	46168	99.951
	7	45773	45765	45593	45704	45665	45364	45544	45818	46167	45735	45466	45623	99.345
	8	45689	46067	45834	45512	45764	45511	45404	45355	45566	45274	45478	45253	99.071
	9	46135	45782	45432	44902	45702	45357	45023	45477	44772	44788	45275	45638	98.632
	10	45641	45218	45213	45746	45495	45726	45763	45428	45374	45176	45486	45768	98.950
	11	45638	45729	45184	45945	45287	45620	45829	45775	45671	45358	45533	46016	99.231
	12	45889	45710	44816	46350	45842	45519	45660	45682	45610	45519	45739	45931	99.354
	13	45297	45822	46094	45183	45328	45325	45644	45841	45227	46090	45520	45749	99.147
	14	46248	45709	45965	45274	45881	45562	45274	45488	45679	45599	45260	46008	99.295
	15	45784	46189	45625	45646	45375	45758	45648	45715	45288	46140	45572	45043	99.266
	16	45946	45636	45649	45855	45391	44923	44847	44921	45668	45065	45719	45165	98.723
	17	45615	46082	45224	45265	45523	45267	45074	45481	45370	45883	45032	45034	98.735
	18	45169	45251	45465	45324	45568	44877	45667	46258	45275	45366	46043	45480	98.897
	19	45659	45083	45950	45341	44975	45301	45238	45220	45311	45308	45810	45272	98.666
	20	44296	45429	44880	44944	44995	45005	44973	45634	45257	45334	45337	44852	98.026
	21	45551	45629	45187	45882	45942	45438	46028	45851	45543	45513	45430	45216	99.162
	22	45760	45051	45409	44887	45723	44595	45293	44951	44791	45328	45472	44568	98.187
	23	45365	45015	45856	45827	45511	45412	45461	45136	45010	45784	45269	45702	98.825



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1015.16	1015.17	1015.15	1015.10	1015.06	1015.03	1014.99	1014.96	1014.93	1014.87	1014.82	1014.81	1014.99
	1	1014.78	1014.72	1014.69	1014.70	1014.70	1014.70	1014.74	1014.77	1014.79	1014.81	1014.82	1014.82	1014.75
	2	1014.81	1014.77	1014.71	1014.67	1014.68	1014.69	1014.69	1014.73	1014.77	1014.77	1014.73	1014.65	1014.72
	3	1014.59	1014.58	1014.59	1014.59	1014.60	1014.61	1014.63	1014.64	1014.66	1014.73	1014.82	1014.88	1014.66
	4	1014.86	1014.81	1014.79	1014.80	1014.77	1014.74	1014.78	1014.83	1014.90	1015.00	1015.06	1015.09	1014.87
	5	1015.08	1015.09	1015.16	1015.20	1015.20	1015.22	1015.25	1015.27	1015.33	1015.44	1015.49	1015.46	1015.26
	6	1015.46	1015.51	1015.56	1015.56	1015.60	1015.60	1015.60	1015.68	1015.72	1015.73	1015.74	1015.77	1015.62
	7	1015.89	1015.95	1015.89	1015.86	1015.88	1015.85	1015.81	1015.88	1015.89	1015.86	1015.90	1015.84	1015.87
	8	1015.82	1015.82	1015.78	1015.78	1015.79	1015.77	1015.77	1015.81	1015.84	1015.81	1015.78	1015.70	1015.79
	9	1015.60	1015.60	1015.61	1015.54	1015.48	1015.42	1015.33	1015.31	1015.30	1015.30	1015.28	1015.21	1015.41
	10	1015.22	1015.28	1015.25	1015.23	1015.23	1015.21	1015.18	1015.15	1015.16	1015.19	1015.19	1015.20	1015.21
	11	1015.18	1015.11	1015.07	1015.04	1015.02	1015.05	1015.08	1015.09	1015.10	1015.08	1015.05	1014.96	1015.07
	12	1014.85	1014.82	1014.81	1014.84	1014.86	1014.86	1014.86	1014.84	1014.80	1014.77	1014.75	1014.75	1014.82
	13	1014.76	1014.79	1014.82	1014.80	1014.78	1014.77	1014.78	1014.82	1014.84	1014.81	1014.78	1014.77	1014.79
	14	1014.79	1014.81	1014.78	1014.74	1014.74	1014.75	1014.74	1014.73	1014.72	1014.75	1014.76	1014.74	1014.75
	15	1014.70	1014.66	1014.60	1014.56	1014.56	1014.56	1014.56	1014.58	1014.65	1014.73	1014.78	1014.82	1014.64
	16	1014.85	1014.83	1014.84	1014.89	1014.89	1014.93	1014.99	1014.98	1015.00	1015.05	1015.08	1015.11	1014.95
	17	1015.12	1015.10	1015.12	1015.16	1015.11	1015.02	1015.01	1015.01	1015.03	1015.05	1015.08	1015.16	1015.08
	18	1015.24	1015.31	1015.36	1015.38	1015.41	1015.48	1015.52	1015.57	1015.62	1015.61	1015.59	1015.61	1015.47
	19	1015.66	1015.70	1015.76	1015.78	1015.63	1015.66	1015.81	1015.82	1015.83	1015.83	1015.79	1015.75	1015.75
	20	1015.80	1015.89	1015.98	1016.11	1016.23	1016.28	1016.23	1016.20	1016.20	1016.17	1016.20	1016.23	1016.12
	21	1016.20	1016.15	1016.10	1016.07	1016.06	1016.07	1016.09	1016.09	1016.07	1016.05	1016.04	1016.02	1016.08
	22	1016.01	1016.00	1016.02	1016.05	1016.04	1016.03	1016.00	1015.99	1015.94	1015.85	1015.87	1015.89	1015.97
	23	1015.88	1015.89	1015.90	1015.93	1015.93	1015.91	1015.89	1015.91	1015.93	1015.90	1015.92	1015.92	1015.91
2	0	1015.82	1015.83	1015.84	1015.83	1015.80	1015.75	1015.70	1015.66	1015.67	1015.67	1015.62	1015.59	1015.73
	1	1015.59	1015.57	1015.54	1015.51	1015.48	1015.46	1015.46	1015.44	1015.39	1015.36	1015.32	1015.24	1015.44
	2	1015.18	1015.16	1015.16	1015.14	1015.07	1015.01	1014.97	1014.90	1014.85	1014.83	1014.81	1014.83	1014.99
	3	1014.87	1014.90	1014.91	1014.90	1014.89	1014.90	1014.95	1015.02	1015.07	1015.10	1015.12	1015.15	1014.98
	4	1015.17	1015.16	1015.14	1015.10	1015.08	1015.06	1015.06	1015.09	1015.11	1015.11	1015.12	1015.16	1015.11
	5	1015.21	1015.25	1015.24	1015.25	1015.31	1015.34	1015.36	1015.40	1015.45	1015.53	1015.61	1015.67	1015.38
	6	1015.73	1015.77	1015.79	1015.79	1015.80	1015.81	1015.80	1015.82	1015.85	1015.86	1015.90	1015.97	1015.82
	7	1016.03	1016.10	1016.15	1016.16	1016.18	1016.21	1016.21	1016.21	1016.24	1016.32	1016.39	1016.43	1016.22
	8	1016.47	1016.49	1016.51	1016.57	1016.62	1016.62	1016.60	1016.59	1016.59	1016.60	1016.62	1016.62	1016.57
	9	1016.63	1016.64	1016.63	1016.64	1016.68	1016.70	1016.68	1016.65	1016.63	1016.62	1016.62	1016.61	1016.64
	10	1016.62	1016.64	1016.69	1016.74	1016.74	1016.70	1016.66	1016.64	1016.63	1016.61	1016.57	1016.54	1016.65
	11	1016.52	1016.52	1016.53	1016.51	1016.48	1016.45	1016.43	1016.42	1016.40	1016.38	1016.40	1016.44	1016.45
	12	1016.42	1016.39	1016.37	1016.37	1016.41	1016.40	1016.34	1016.28	1016.25	1016.26	1016.26	1016.24	1016.33
	13	1016.24	1016.27	1016.28	1016.24	1016.24	1016.26	1016.30	1016.36	1016.36	1016.33	1016.30	1016.26	1016.28
	14	1016.25	1016.30	1016.34	1016.36	1016.40	1016.47	1016.51	1016.51	1016.55	1016.57	1016.59	1016.64	1016.46
	15	1016.67	1016.68	1016.72	1016.77	1016.78	1016.76	1016.78	1016.81	1016.82	1016.85	1016.87	1016.89	1016.78
	16	1016.89	1016.88	1016.93	1016.98	1017.01	1017.04	1017.06	1017.08	1017.10	1017.13	1017.18	1017.22	1017.04
	17	1017.24	1017.27	1017.31	1017.34	1017.36	1017.37	1017.38	1017.39	1017.39	1017.42	1017.48	1017.50	1017.37
	18	1017.54	1017.60	1017.64	1017.66	1017.71	1017.80	1017.85	1017.87	1017.92	1017.97	1018.02	1018.09	1017.80
	19	1018.16	1018.21	1018.23	1018.29	1018.36	1018.40	1018.44	1018.48	1018.48	1018.46	1018.44	1018.42	1018.36
	20	1018.42	1018.44	1018.46	1018.46	1018.48	1018.50	1018.54	1018.58	1018.63	1018.67	1018.69	1018.67	1018.54
	21	1018.63	1018.59	1018.60	1018.63	1018.64	1018.63	1018.62	1018.60	1018.59	1018.60	1018.58	1018.54	1018.60
	22	1018.52	1018.49	1018.44	1018.43	1018.42	1018.38	1018.34	1018.31	1018.30	1018.31	1018.33	1018.34	1018.38
	23	1018.31	1018.28	1018.28	1018.29	1018.27	1018.23	1018.23	1018.26	1018.26	1018.25	1018.26	1018.27	1018.26

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1018.27	1018.26	1018.27	1018.27	1018.25	1018.21	1018.16	1018.13	1018.12	1018.08	1018.04	1018.03	1018.17
	1	1018.02	1018.02	1018.02	1018.00	1017.97	1017.97	1017.96	1017.92	1017.88	1017.86	1017.86	1017.86	1017.94
	2	1017.83	1017.82	1017.83	1017.84	1017.85	1017.87	1017.87	1017.86	1017.85	1017.85	1017.85	1017.83	1017.84
	3	1017.80	1017.83	1017.88	1017.92	1017.94	1017.96	1017.98	1017.99	1017.98	1017.96	1017.94	1017.93	1017.92
	4	1017.93	1017.94	1017.94	1017.96	1017.96	1017.96	1017.96	1017.94	1017.94	1017.96	1017.97	1017.95	1017.95
	5	1017.95	1017.97	1017.99	1017.99	1018.00	1018.00	1018.01	1018.06	1018.10	1018.11	1018.15	1018.19	1018.04
	6	1018.21	1018.25	1018.27	1018.28	1018.30	1018.35	1018.39	1018.42	1018.45	1018.48	1018.49	1018.51	1018.36
	7	1018.58	1018.65	1018.70	1018.74	1018.77	1018.79	1018.82	1018.85	1018.88	1018.90	1018.90	1018.90	1018.79
	8	1018.91	1018.95	1018.97	1018.96	1018.94	1018.96	1018.99	1019.00	1019.02	1019.04	1019.06	1019.08	1018.99
	9	1019.08	1019.07	1019.06	1019.03	1019.01	1019.02	1019.03	1019.03	1019.01	1019.00	1018.99	1018.96	1019.02
	10	1018.94	1018.94	1018.96	1018.96	1018.95	1018.96	1018.97	1018.95	1018.91	1018.89	1018.87	1018.81	1018.92
	11	1018.73	1018.64	1018.59	1018.56	1018.52	1018.48	1018.45	1018.42	1018.38	1018.35	1018.32	1018.28	1018.48
	12	1018.23	1018.18	1018.14	1018.08	1018.05	1018.02	1017.97	1017.93	1017.91	1017.88	1017.84	1017.82	1018.00
	13	1017.81	1017.80	1017.78	1017.78	1017.76	1017.73	1017.71	1017.69	1017.67	1017.68	1017.70	1017.69	1017.73
	14	1017.68	1017.69	1017.66	1017.63	1017.62	1017.61	1017.58	1017.56	1017.55	1017.56	1017.59	1017.65	1017.61
	15	1017.67	1017.67	1017.69	1017.71	1017.71	1017.73	1017.74	1017.76	1017.78	1017.78	1017.74	1017.70	1017.72
	16	1017.67	1017.67	1017.70	1017.74	1017.76	1017.79	1017.85	1017.92	1017.94	1017.95	1017.99	1018.02	1017.83
	17	1018.03	1018.04	1018.08	1018.12	1018.16	1018.21	1018.27	1018.33	1018.38	1018.42	1018.46	1018.48	1018.25
	18	1018.50	1018.52	1018.57	1018.59	1018.60	1018.60	1018.62	1018.64	1018.66	1018.66	1018.68	1018.72	1018.61
	19	1018.77	1018.83	1018.89	1018.92	1018.95	1018.98	1018.99	1018.97	1018.98	1019.00	1019.00	1019.02	1018.94
	20	1019.04	1019.05	1019.06	1019.06	1019.06	1019.07	1019.07	1019.06	1019.08	1019.10	1019.11	1019.11	1019.07
	21	1019.10	1019.10	1019.11	1019.09	1019.05	1019.04	1019.04	1019.03	1019.01	1018.99	1018.97	1018.98	1019.04
	22	1018.98	1018.96	1018.96	1018.95	1018.92	1018.91	1018.92	1018.93	1018.94	1018.93	1018.92	1018.93	1018.94
	23	1018.93	1018.91	1018.89	1018.90	1018.92	1018.89	1018.85	1018.80	1018.74	1018.70	1018.65	1018.62	1018.81
4	0	1018.61	1018.63	1018.64	1018.62	1018.59	1018.57	1018.55	1018.53	1018.55	1018.56	1018.55	1018.54	1018.57
	1	1018.53	1018.52	1018.54	1018.52	1018.46	1018.42	1018.40	1018.38	1018.35	1018.30	1018.28	1018.27	1018.41
	2	1018.24	1018.24	1018.26	1018.29	1018.34	1018.34	1018.35	1018.34	1018.31	1018.29	1018.26	1018.24	1018.29
	3	1018.22	1018.21	1018.22	1018.25	1018.24	1018.22	1018.21	1018.21	1018.24	1018.26	1018.28	1018.32	1018.24
	4	1018.35	1018.37	1018.37	1018.36	1018.36	1018.35	1018.35	1018.37	1018.38	1018.37	1018.34	1018.32	1018.36
	5	1018.28	1018.26	1018.26	1018.29	1018.32	1018.34	1018.36	1018.36	1018.40	1018.44	1018.43	1018.44	1018.35
	6	1018.48	1018.48	1018.51	1018.53	1018.55	1018.58	1018.59	1018.61	1018.62	1018.62	1018.67	1018.73	1018.58
	7	1018.78	1018.84	1018.87	1018.89	1018.91	1018.90	1018.92	1018.96	1018.96	1018.95	1018.92	1018.91	1018.90
	8	1018.93	1018.90	1018.87	1018.87	1018.85	1018.83	1018.82	1018.83	1018.84	1018.81	1018.78	1018.77	1018.84
	9	1018.77	1018.78	1018.82	1018.81	1018.79	1018.77	1018.76	1018.77	1018.74	1018.70	1018.65	1018.62	1018.75
	10	1018.58	1018.55	1018.57	1018.57	1018.56	1018.56	1018.54	1018.50	1018.45	1018.40	1018.34	1018.28	1018.49
	11	1018.23	1018.18	1018.12	1018.08	1018.05	1018.02	1017.98	1017.94	1017.89	1017.81	1017.74	1017.69	1017.98
	12	1017.64	1017.59	1017.56	1017.52	1017.44	1017.38	1017.37	1017.31	1017.26	1017.27	1017.25	1017.20	1017.40
	13	1017.18	1017.18	1017.16	1017.12	1017.11	1017.08	1017.03	1017.01	1017.02	1017.04	1017.03	1017.04	1017.08
	14	1017.08	1017.09	1017.08	1017.06	1017.04	1017.00	1016.95	1016.95	1016.98	1016.96	1016.92	1016.93	1017.00
	15	1016.93	1016.93	1016.93	1016.95	1016.98	1016.98	1016.98	1017.01	1017.04	1017.06	1017.06	1017.04	1016.99
	16	1017.00	1016.99	1017.02	1017.05	1017.07	1017.08	1017.11	1017.13	1017.14	1017.15	1017.16	1017.17	1017.09
	17	1017.19	1017.23	1017.24	1017.26	1017.29	1017.31	1017.32	1017.33	1017.33	1017.34	1017.37	1017.42	1017.30
	18	1017.45	1017.46	1017.47	1017.50	1017.54	1017.58	1017.60	1017.62	1017.61	1017.59	1017.58	1017.57	1017.54
	19	1017.55	1017.56	1017.61	1017.66	1017.71	1017.78	1017.83	1017.86	1017.91	1017.96	1017.99	1018.00	1017.78
	20	1018.00	1018.01	1018.02	1018.06	1018.12	1018.15	1018.17	1018.19	1018.19	1018.20	1018.23	1018.21	1018.13
	21	1018.18	1018.21	1018.25	1018.25	1018.25	1018.24	1018.22	1018.20	1018.20	1018.22	1018.23	1018.26	1018.22
	22	1018.26	1018.24	1018.24	1018.24	1018.27	1018.30	1018.31	1018.29	1018.30	1018.32	1018.34	1018.36	1018.29
	23	1018.38	1018.42	1018.47	1018.51	1018.54	1018.54	1018.55	1018.58	1018.61	1018.60	1018.57	1018.56	1018.53

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1018.53	1018.52	1018.48	1018.45	1018.42	1018.40	1018.38	1018.35	1018.36	1018.36	1018.35	1018.34	1018.40
	1	1018.32	1018.31	1018.27	1018.24	1018.24	1018.25	1018.26	1018.24	1018.22	1018.20	1018.21	1018.24	1018.25
	2	1018.25	1018.27	1018.25	1018.22	1018.23	1018.24	1018.24	1018.26	1018.26	1018.22	1018.19	1018.21	1018.23
	3	1018.25	1018.27	1018.30	1018.33	1018.34	1018.35	1018.36	1018.36	1018.37	1018.39	1018.41	1018.42	1018.34
	4	1018.42	1018.46	1018.52	1018.53	1018.50	1018.52	1018.57	1018.62	1018.67	1018.69	1018.71	1018.71	1018.58
	5	1018.71	1018.74	1018.77	1018.81	1018.86	1018.87	1018.87	1018.88	1018.95	1019.01	1019.07	1019.13	1018.89
	6	1019.15	1019.15	1019.16	1019.19	1019.20	1019.23	1019.25	1019.26	1019.25	1019.25	1019.26	1019.28	1019.22
	7	1019.31	1019.37	1019.43	1019.45	1019.47	1019.55	1019.61	1019.67	1019.71	1019.73	1019.79	1019.85	1019.58
	8	1019.88	1019.89	1019.87	1019.86	1019.88	1019.90	1019.93	1019.96	1019.98	1019.98	1019.97	1019.97	1019.92
	9	1019.96	1019.96	1019.97	1019.97	1019.98	1020.01	1020.03	1020.03	1020.04	1020.03	1020.01	1020.03	1020.00
	10	1020.03	1020.03	1020.06	1020.08	1020.08	1020.05	1020.01	1019.97	1019.95	1019.92	1019.87	1019.82	1019.99
	11	1019.77	1019.72	1019.68	1019.66	1019.64	1019.62	1019.60	1019.57	1019.54	1019.51	1019.46	1019.40	1019.60
	12	1019.37	1019.36	1019.32	1019.25	1019.18	1019.12	1019.07	1019.06	1019.06	1019.05	1019.04	1019.03	1019.16
	13	1019.04	1019.06	1019.02	1018.95	1018.93	1018.91	1018.87	1018.85	1018.81	1018.75	1018.69	1018.66	1018.88
	14	1018.66	1018.66	1018.66	1018.66	1018.68	1018.67	1018.64	1018.63	1018.61	1018.60	1018.60	1018.59	1018.64
	15	1018.60	1018.65	1018.69	1018.71	1018.72	1018.75	1018.77	1018.77	1018.76	1018.74	1018.71	1018.71	1018.71
	16	1018.75	1018.79	1018.83	1018.87	1018.91	1018.93	1018.92	1018.90	1018.91	1018.95	1018.98	1019.01	1018.89
	17	1019.03	1019.02	1018.99	1018.97	1018.96	1018.97	1018.99	1019.02	1019.04	1019.03	1019.05	1019.08	1019.01
	18	1019.09	1019.11	1019.16	1019.17	1019.16	1019.20	1019.24	1019.26	1019.28	1019.33	1019.40	1019.45	1019.23
	19	1019.48	1019.51	1019.52	1019.54	1019.59	1019.64	1019.68	1019.69	1019.68	1019.70	1019.72	1019.71	1019.62
	20	1019.72	1019.73	1019.77	1019.81	1019.85	1019.85	1019.85	1019.88	1019.89	1019.90	1019.92	1019.95	1019.84
	21	1019.99	1019.99	1019.97	1019.96	1019.95	1019.96	1020.01	1020.07	1020.12	1020.13	1020.11	1020.10	1020.03
	22	1020.10	1020.10	1020.08	1020.06	1020.05	1020.09	1020.11	1020.11	1020.12	1020.12	1020.13	1020.12	1020.10
	23	1020.08	1020.04	1020.05	1020.10	1020.12	1020.11	1020.11	1020.12	1020.12	1020.12	1020.09	1020.10	1020.09
6	0	1020.07	1020.08	1020.09	1020.12	1020.12	1020.08	1020.06	1020.03	1019.98	1019.94	1019.92	1019.89	1020.03
	1	1019.85	1019.82	1019.82	1019.82	1019.82	1019.81	1019.77	1019.75	1019.76	1019.77	1019.78	1019.79	1019.79
	2	1019.76	1019.72	1019.69	1019.64	1019.59	1019.58	1019.60	1019.59	1019.58	1019.59	1019.56	1019.56	1019.62
	3	1019.61	1019.66	1019.69	1019.67	1019.66	1019.67	1019.68	1019.69	1019.69	1019.71	1019.72	1019.72	1019.68
	4	1019.73	1019.72	1019.70	1019.71	1019.73	1019.72	1019.72	1019.71	1019.72	1019.75	1019.77	1019.81	1019.73
	5	1019.84	1019.81	1019.77	1019.77	1019.77	1019.77	1019.77	1019.80	1019.85	1019.88	1019.91	1019.95	1019.82
	6	1020.02	1020.09	1020.16	1020.21	1020.26	1020.31	1020.37	1020.37	1020.38	1020.43	1020.50	1020.54	1020.30
	7	1020.56	1020.59	1020.59	1020.60	1020.62	1020.61	1020.62	1020.62	1020.62	1020.61	1020.61	1020.62	1020.60
	8	1020.65	1020.70	1020.74	1020.78	1020.79	1020.80	1020.82	1020.85	1020.89	1020.91	1020.90	1020.88	1020.81
	9	1020.87	1020.88	1020.87	1020.86	1020.85	1020.83	1020.80	1020.76	1020.74	1020.73	1020.73	1020.71	1020.80
	10	1020.66	1020.62	1020.61	1020.60	1020.58	1020.53	1020.47	1020.42	1020.34	1020.27	1020.22	1020.19	1020.46
	11	1020.15	1020.09	1020.02	1019.95	1019.90	1019.86	1019.85	1019.82	1019.74	1019.69	1019.66	1019.61	1019.86
	12	1019.51	1019.40	1019.35	1019.34	1019.28	1019.20	1019.15	1019.11	1019.11	1019.12	1019.12	1019.09	1019.23
	13	1019.02	1018.94	1018.89	1018.88	1018.88	1018.87	1018.90	1018.91	1018.89	1018.84	1018.81	1018.81	1018.88
	14	1018.81	1018.81	1018.81	1018.80	1018.77	1018.77	1018.76	1018.70	1018.63	1018.62	1018.66	1018.71	1018.74
	15	1018.71	1018.64	1018.64	1018.68	1018.71	1018.78	1018.87	1018.91	1018.90	1018.91	1018.93	1018.97	1018.80
	16	1019.05	1019.09	1019.08	1019.05	1019.05	1019.08	1019.09	1019.10	1019.15	1019.20	1019.18	1019.17	1019.11
	17	1019.25	1019.33	1019.33	1019.30	1019.24	1019.23	1019.33	1019.32	1019.29	1019.39	1019.42	1019.44	1019.32
	18	1019.51	1019.56	1019.57	1019.56	1019.59	1019.62	1019.60	1019.57	1019.60	1019.63	1019.65	1019.67	1019.59
	19	1019.67	1019.74	1019.78	1019.79	1019.80	1019.79	1019.82	1019.85	1019.89	1019.87	1019.79	1019.74	1019.79
	20	1019.74	1019.78	1019.82	1019.84	1019.87	1019.89	1019.85	1019.82	1019.83	1019.83	1019.80	1019.79	1019.82
	21	1019.77	1019.72	1019.68	1019.66	1019.66	1019.66	1019.65	1019.63	1019.59	1019.47	1019.34	1019.30	1019.59
	22	1019.28	1019.24	1019.20	1019.20	1019.20	1019.22	1019.25	1019.23	1019.14	1019.04	1019.02	1018.98	1019.16
	23	1018.94	1018.98	1019.02	1018.98	1018.94	1018.92	1018.91	1018.91	1018.89	1018.82	1018.73	1018.70	1018.89

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
7	0	1018.66	1018.62	1018.64	1018.71	1018.74	1018.71	1018.67	1018.67	1018.66	1018.66	1018.67	1018.63	1018.67
	1	1018.59	1018.53	1018.45	1018.42	1018.43	1018.42	1018.40	1018.40	1018.43	1018.38	1018.33	1018.42	1018.43
	2	1018.39	1018.35	1018.34	1018.35	1018.42	1018.43	1018.43	1018.41	1018.35	1018.29	1018.24	1018.17	1018.35
	3	1018.10	1018.03	1018.00	1017.99	1017.99	1018.02	1018.05	1018.02	1017.93	1017.83	1017.77	1017.79	1017.96
	4	1017.79	1017.75	1017.73	1017.80	1017.89	1017.89	1017.87	1017.94	1017.90	1017.82	1017.77	1017.64	1017.81
	5	1017.47	1017.42	1017.53	1017.69	1017.84	1017.88	1017.82	1017.74	1017.72	1017.70	1017.65	1017.63	1017.67
	6	1017.62	1017.73	1017.85	1017.85	1017.91	1017.96	1017.92	1017.86	1017.80	1017.78	1017.81	1017.74	1017.82
	7	1017.60	1017.54	1017.51	1017.41	1017.35	1017.37	1017.38	1017.45	1017.51	1017.59	1017.74	1017.79	1017.52
	8	1017.76	1017.72	1017.64	1017.54	1017.44	1017.36	1017.31	1017.25	1017.13	1016.93	1016.64	1016.36	1017.25
	9	1016.09	1016.01	1016.24	1016.62	1017.06	1017.32	1017.40	1017.44	1017.47	1017.38	1017.20	1017.08	1016.94
	10	1017.07	1017.03	1016.98	1017.00	1016.98	1017.01	1017.05	1017.02	1016.96	1016.91	1016.88	1016.83	1016.97
	11	1016.76	1016.64	1016.54	1016.43	1016.30	1016.30	1016.34	1016.34	1016.31	1016.22	1016.14	1016.07	1016.36
	12	1015.99	1015.86	1015.74	1015.64	1015.53	1015.46	1015.39	1015.33	1015.32	1015.30	1015.26	1015.16	1015.50
	13	1015.03	1014.92	1014.84	1014.78	1014.70	1014.66	1014.66	1014.65	1014.54	1014.47	1014.48	1014.46	1014.68
	14	1014.42	1014.36	1014.27	1014.21	1014.15	1014.08	1014.10	1014.13	1014.10	1014.05	1014.04	1014.06	1014.16
	15	1014.00	1013.94	1013.93	1013.98	1014.04	1014.05	1014.05	1014.03	1014.03	1014.10	1014.15	1014.19	1014.04
	16	1014.21	1014.17	1014.10	1014.07	1014.09	1014.11	1014.12	1014.13	1014.15	1014.14	1014.16	1014.18	1014.13
	17	1014.18	1014.16	1014.15	1014.13	1014.12	1014.13	1014.13	1014.10	1014.08	1014.09	1014.15	1014.19	1014.13
	18	1014.23	1014.25	1014.27	1014.33	1014.39	1014.42	1014.39	1014.36	1014.34	1014.34	1014.36	1014.37	1014.33
	19	1014.33	1014.33	1014.40	1014.41	1014.35	1014.32	1014.35	1014.40	1014.43	1014.44	1014.41	1014.42	1014.38
	20	1014.48	1014.51	1014.52	1014.51	1014.52	1014.51	1014.46	1014.45	1014.43	1014.36	1014.31	1014.25	1014.44
	21	1014.19	1014.19	1014.21	1014.24	1014.27	1014.24	1014.20	1014.21	1014.19	1014.15	1014.13	1014.11	1014.19
	22	1014.10	1014.11	1014.18	1014.21	1014.14	1014.08	1014.06	1014.08	1014.07	1014.04	1014.04	1014.03	1014.09
	23	1014.04	1014.04	1014.01	1013.97	1013.95	1013.89	1013.85	1013.88	1013.89	1013.87	1013.85	1013.81	1013.92
8	0	1013.77	1013.79	1013.86	1013.92	1013.87	1013.76	1013.66	1013.62	1013.64	1013.67	1013.68	1013.71	1013.74
	1	1013.73	1013.71	1013.65	1013.58	1013.49	1013.41	1013.36	1013.30	1013.24	1013.20	1013.18	1013.17	1013.42
	2	1013.12	1013.06	1013.04	1013.03	1013.00	1012.99	1013.00	1013.01	1013.01	1013.02	1013.07	1013.10	1013.04
	3	1013.13	1013.11	1013.10	1013.17	1013.20	1013.24	1013.30	1013.31	1013.28	1013.29	1013.34	1013.38	1013.23
	4	1013.38	1013.31	1013.23	1013.17	1013.13	1013.15	1013.17	1013.19	1013.21	1013.22	1013.22	1013.23	1013.21
	5	1013.27	1013.29	1013.29	1013.32	1013.37	1013.39	1013.44	1013.50	1013.54	1013.61	1013.69	1013.75	1013.45
	6	1013.76	1013.78	1013.80	1013.79	1013.80	1013.84	1013.86	1013.88	1013.90	1013.93	1013.96	1014.00	1013.86
	7	1014.05	1014.04	1014.03	1014.06	1014.08	1014.05	1014.05	1014.07	1014.09	1014.15	1014.18	1014.13	1014.08
	8	1014.11	1014.17	1014.21	1014.21	1014.25	1014.29	1014.32	1014.36	1014.36	1014.37	1014.41	1014.41	1014.29
	9	1014.41	1014.38	1014.35	1014.35	1014.35	1014.35	1014.34	1014.34	1014.36	1014.38	1014.37	1014.37	1014.36
	10	1014.38	1014.35	1014.29	1014.27	1014.26	1014.23	1014.17	1014.11	1014.07	1014.02	1013.98	1013.92	1014.17
	11	1013.85	1013.82	1013.81	1013.80	1013.77	1013.73	1013.70	1013.62	1013.53	1013.47	1013.41	1013.36	1013.65
	12	1013.34	1013.30	1013.23	1013.20	1013.24	1013.28	1013.26	1013.19	1013.13	1013.08	1012.99	1012.90	1013.17
	13	1012.88	1012.87	1012.84	1012.82	1012.83	1012.84	1012.83	1012.82	1012.77	1012.71	1012.66	1012.65	1012.79
	14	1012.66	1012.63	1012.61	1012.60	1012.60	1012.58	1012.58	1012.60	1012.57	1012.54	1012.56	1012.61	1012.59
	15	1012.61	1012.56	1012.52	1012.50	1012.52	1012.56	1012.59	1012.61	1012.60	1012.60	1012.60	1012.63	1012.57
	16	1012.63	1012.63	1012.68	1012.72	1012.71	1012.71	1012.75	1012.83	1012.92	1013.00	1013.04	1013.04	1012.80
	17	1013.08	1013.16	1013.23	1013.27	1013.28	1013.32	1013.35	1013.34	1013.34	1013.35	1013.33	1013.34	1013.28
	18	1013.37	1013.40	1013.45	1013.44	1013.45	1013.47	1013.43	1013.42	1013.47	1013.53	1013.57	1013.57	1013.46
	19	1013.58	1013.63	1013.65	1013.63	1013.62	1013.60	1013.59	1013.60	1013.60	1013.58	1013.61	1013.63	1013.61
	20	1013.63	1013.68	1013.72	1013.73	1013.74	1013.73	1013.68	1013.66	1013.65	1013.65	1013.65	1013.60	1013.67
	21	1013.55	1013.52	1013.52	1013.54	1013.53	1013.49	1013.46	1013.45	1013.48	1013.52	1013.54	1013.54	1013.51
	22	1013.51	1013.52	1013.54	1013.49	1013.40	1013.30	1013.25	1013.22	1013.18	1013.11	1013.05	1013.04	1013.30
	23	1013.05	1013.10	1013.15	1013.15	1013.11	1013.01	1012.95	1012.97	1013.01	1013.06	1013.05	1012.98	1013.05

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
9	0	1012.88	1012.90	1012.96	1012.98	1012.94	1012.91	1012.86	1012.83	1012.81	1012.71	1012.65	1012.68	1012.84
	1	1012.76	1012.79	1012.72	1012.60	1012.48	1012.37	1012.31	1012.32	1012.28	1012.18	1012.14	1012.16	1012.42
	2	1012.12	1012.02	1012.00	1012.05	1012.02	1011.97	1011.95	1011.95	1011.96	1011.95	1011.99	1012.02	1012.00
	3	1011.97	1011.92	1011.90	1011.90	1011.83	1011.78	1011.78	1011.72	1011.70	1011.74	1011.79	1011.83	1011.82
	4	1011.83	1011.79	1011.78	1011.75	1011.65	1011.54	1011.52	1011.52	1011.50	1011.50	1011.54	1011.60	1011.62
	5	1011.66	1011.70	1011.78	1011.87	1011.87	1011.88	1011.92	1011.89	1011.83	1011.82	1011.80	1011.77	1011.81
	6	1011.72	1011.66	1011.64	1011.59	1011.51	1011.54	1011.56	1011.43	1011.43	1011.56	1011.61	1011.61	1011.57
	7	1011.63	1011.63	1011.60	1011.59	1011.57	1011.57	1011.54	1011.55	1011.60	1011.65	1011.66	1011.63	1011.60
	8	1011.60	1011.55	1011.43	1011.41	1011.47	1011.43	1011.40	1011.41	1011.39	1011.35	1011.34	1011.39	1011.43
	9	1011.39	1011.34	1011.32	1011.29	1011.29	1011.32	1011.36	1011.39	1011.38	1011.35	1011.30	1011.25	1011.33
	10	1011.19	1011.14	1011.14	1011.11	1011.07	1010.98	1010.86	1010.82	1010.79	1010.71	1010.65	1010.64	1010.92
	11	1010.59	1010.49	1010.40	1010.33	1010.27	1010.28	1010.31	1010.25	1010.21	1010.16	1010.13	1010.15	1010.30
	12	1010.10	1009.99	1009.93	1009.92	1009.91	1009.86	1009.77	1009.70	1009.68	1009.71	1009.71	1009.64	1009.82
	13	1009.52	1009.45	1009.45	1009.42	1009.31	1009.23	1009.22	1009.18	1009.17	1009.16	1009.16	1009.16	1009.28
	14	1009.12	1009.11	1009.11	1009.07	1009.02	1009.02	1009.01	1008.97	1008.99	1009.00	1008.97	1008.97	1009.03
	15	1008.95	1008.86	1008.76	1008.72	1008.73	1008.76	1008.81	1008.83	1008.82	1008.77	1008.74	1008.79	1008.79
	16	1008.83	1008.84	1008.85	1008.84	1008.83	1008.78	1008.71	1008.67	1008.64	1008.63	1008.62	1008.61	1008.74
	17	1008.64	1008.71	1008.75	1008.74	1008.72	1008.77	1008.84	1008.87	1008.85	1008.80	1008.81	1008.86	1008.78
	18	1008.91	1008.95	1008.99	1009.00	1008.99	1009.03	1009.04	1008.98	1008.92	1008.93	1008.98	1009.06	1008.98
	19	1009.12	1009.10	1009.09	1009.12	1009.12	1009.12	1009.12	1009.11	1009.09	1009.09	1009.09	1009.12	1009.10
	20	1009.21	1009.29	1009.30	1009.30	1009.29	1009.24	1009.21	1009.19	1009.15	1009.07	1009.00	1009.00	1009.19
	21	1009.01	1009.00	1008.98	1008.98	1008.97	1008.96	1008.96	1008.98	1008.99	1008.99	1008.99	1009.03	1008.98
	22	1009.06	1009.00	1008.96	1008.98	1008.98	1008.98	1008.96	1008.90	1008.88	1008.89	1008.91	1008.94	1008.95
	23	1008.97	1008.95	1008.94	1008.99	1008.99	1008.94	1008.90	1008.84	1008.80	1008.81	1008.88	1008.94	1008.91
10	0	1008.89	1008.89	1008.86	1008.81	1008.78	1008.77	1008.79	1008.84	1008.87	1008.86	1008.86	1008.83	1008.83
	1	1008.77	1008.74	1008.75	1008.73	1008.70	1008.71	1008.73	1008.74	1008.72	1008.69	1008.66	1008.67	1008.72
	2	1008.68	1008.67	1008.65	1008.63	1008.57	1008.50	1008.53	1008.59	1008.61	1008.65	1008.72	1008.78	1008.63
	3	1008.77	1008.69	1008.64	1008.65	1008.66	1008.67	1008.69	1008.67	1008.66	1008.68	1008.67	1008.65	1008.67
	4	1008.67	1008.71	1008.73	1008.71	1008.69	1008.72	1008.71	1008.69	1008.70	1008.69	1008.64	1008.58	1008.68
	5	1008.55	1008.53	1008.54	1008.59	1008.63	1008.66	1008.71	1008.77	1008.82	1008.89	1008.94	1008.96	1008.72
	6	1008.98	1009.02	1009.02	1009.03	1009.12	1009.18	1009.18	1009.22	1009.32	1009.41	1009.46	1009.49	1009.20
	7	1009.47	1009.47	1009.48	1009.50	1009.52	1009.54	1009.54	1009.50	1009.45	1009.45	1009.48	1009.46	1009.49
	8	1009.45	1009.51	1009.56	1009.59	1009.60	1009.59	1009.61	1009.64	1009.60	1009.54	1009.55	1009.59	1009.57
	9	1009.57	1009.55	1009.54	1009.49	1009.44	1009.40	1009.39	1009.40	1009.42	1009.40	1009.38	1009.38	1009.44
	10	1009.38	1009.32	1009.28	1009.26	1009.19	1009.16	1009.13	1009.07	1009.00	1008.93	1008.85	1008.78	1009.11
	11	1008.78	1008.77	1008.71	1008.62	1008.51	1008.45	1008.39	1008.34	1008.31	1008.28	1008.23	1008.16	1008.46
	12	1008.08	1008.00	1007.94	1007.91	1007.86	1007.79	1007.76	1007.75	1007.73	1007.71	1007.71	1007.71	1007.83
	13	1007.70	1007.69	1007.68	1007.68	1007.65	1007.60	1007.59	1007.60	1007.57	1007.51	1007.45	1007.41	1007.59
	14	1007.41	1007.40	1007.33	1007.28	1007.27	1007.29	1007.33	1007.38	1007.41	1007.43	1007.45	1007.44	1007.37
	15	1007.40	1007.38	1007.40	1007.39	1007.38	1007.36	1007.34	1007.34	1007.37	1007.43	1007.47	1007.45	1007.39
	16	1007.38	1007.38	1007.43	1007.43	1007.43	1007.48	1007.52	1007.50	1007.47	1007.48	1007.51	1007.53	1007.46
	17	1007.60	1007.68	1007.71	1007.80	1007.90	1007.90	1007.91	1007.94	1007.96	1008.03	1008.07	1008.07	1007.88
	18	1008.08	1008.11	1008.15	1008.17	1008.20	1008.24	1008.27	1008.29	1008.33	1008.38	1008.41	1008.41	1008.25
	19	1008.36	1008.38	1008.45	1008.47	1008.48	1008.49	1008.47	1008.48	1008.46	1008.40	1008.37	1008.38	1008.43
	20	1008.39	1008.43	1008.52	1008.60	1008.62	1008.62	1008.65	1008.67	1008.70	1008.72	1008.73	1008.79	1008.62
	21	1008.87	1008.93	1008.93	1008.93	1008.94	1008.93	1008.92	1008.93	1008.94	1008.96	1009.02	1009.08	1008.95
	22	1009.10	1009.11	1009.15	1009.16	1009.15	1009.12	1009.10	1009.07	1009.04	1009.04	1009.01	1008.96	1009.08
	23	1008.95	1008.96	1008.96	1008.96	1008.96	1008.97	1008.96	1008.93	1008.91	1008.89	1008.86	1008.82	1008.92

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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
11	0	1008.75	1008.78	1008.82	1008.83	1008.82	1008.79	1008.76	1008.75	1008.68	1008.62	1008.58	1008.53	1008.72
	1	1008.50	1008.45	1008.41	1008.41	1008.41	1008.41	1008.40	1008.39	1008.40	1008.41	1008.42	1008.43	1008.42
	2	1008.47	1008.52	1008.55	1008.59	1008.59	1008.57	1008.56	1008.55	1008.53	1008.50	1008.47	1008.51	1008.53
	3	1008.55	1008.56	1008.57	1008.60	1008.61	1008.62	1008.67	1008.67	1008.68	1008.74	1008.78	1008.82	1008.65
	4	1008.89	1008.93	1008.97	1008.98	1008.94	1008.92	1008.91	1008.89	1008.88	1008.87	1008.88	1008.91	1008.91
	5	1008.91	1008.95	1009.02	1009.06	1009.09	1009.10	1009.10	1009.14	1009.17	1009.18	1009.20	1009.26	1009.10
	6	1009.35	1009.42	1009.48	1009.53	1009.60	1009.67	1009.71	1009.78	1009.83	1009.88	1009.96	1010.01	1009.68
	7	1009.99	1009.97	1009.96	1009.92	1009.91	1009.95	1009.98	1010.00	1010.08	1010.19	1010.23	1010.26	1010.03
	8	1010.32	1010.34	1010.36	1010.35	1010.31	1010.30	1010.27	1010.22	1010.21	1010.21	1010.22	1010.23	1010.28
	9	1010.24	1010.25	1010.23	1010.21	1010.23	1010.25	1010.26	1010.25	1010.20	1010.14	1010.09	1010.05	1010.20
	10	1010.03	1010.03	1009.99	1009.93	1009.90	1009.87	1009.84	1009.83	1009.83	1009.81	1009.76	1009.68	1009.87
	11	1009.58	1009.52	1009.49	1009.45	1009.40	1009.37	1009.34	1009.31	1009.29	1009.24	1009.16	1009.16	1009.36
	12	1009.19	1009.21	1009.24	1009.28	1009.26	1009.25	1009.30	1009.31	1009.27	1009.29	1009.31	1009.28	1009.26
	13	1009.26	1009.30	1009.31	1009.34	1009.39	1009.40	1009.37	1009.33	1009.28	1009.21	1009.12	1009.04	1009.28
	14	1009.01	1008.97	1008.95	1008.95	1008.95	1008.97	1009.03	1009.08	1009.07	1009.08	1009.14	1009.19	1009.03
	15	1009.25	1009.27	1009.25	1009.25	1009.26	1009.25	1009.23	1009.20	1009.18	1009.22	1009.31	1009.38	1009.25
	16	1009.40	1009.40	1009.41	1009.41	1009.41	1009.40	1009.40	1009.39	1009.35	1009.34	1009.36	1009.40	1009.39
	17	1009.43	1009.44	1009.48	1009.53	1009.55	1009.60	1009.62	1009.60	1009.59	1009.62	1009.66	1009.67	1009.56
	18	1009.68	1009.73	1009.80	1009.86	1009.89	1009.93	1010.00	1010.08	1010.13	1010.19	1010.24	1010.26	1009.98
	19	1010.31	1010.33	1010.32	1010.41	1010.52	1010.59	1010.64	1010.69	1010.74	1010.81	1010.85	1010.83	1010.58
	20	1010.81	1010.79	1010.80	1010.79	1010.74	1010.66	1010.63	1010.67	1010.72	1010.73	1010.77	1010.83	1010.74
	21	1010.82	1010.81	1010.81	1010.78	1010.76	1010.68	1010.58	1010.55	1010.56	1010.55	1010.50	1010.42	1010.65
	22	1010.40	1010.43	1010.44	1010.43	1010.37	1010.30	1010.25	1010.24	1010.24	1010.23	1010.22	1010.20	1010.31
	23	1010.19	1010.16	1010.12	1010.12	1010.10	1010.04	1010.00	1009.93	1009.81	1009.76	1009.80	1009.86	1009.99
12	0	1009.78	1009.72	1009.62	1009.56	1009.55	1009.56	1009.51	1009.38	1009.26	1009.22	1009.16	1009.07	1009.43
	1	1008.97	1008.94	1008.94	1008.95	1008.99	1008.87	1008.78	1008.80	1008.70	1008.66	1008.66	1008.63	1008.82
	2	1008.62	1008.60	1008.53	1008.47	1008.44	1008.40	1008.33	1008.20	1008.05	1008.02	1008.10	1008.20	1008.33
	3	1008.31	1008.38	1008.39	1008.44	1008.53	1008.53	1008.51	1008.48	1008.42	1008.45	1008.51	1008.52	1008.45
	4	1008.53	1008.58	1008.70	1008.89	1009.01	1009.04	1009.03	1009.06	1008.96	1008.76	1008.62	1008.57	1008.81
	5	1008.55	1008.55	1008.70	1008.91	1008.85	1008.66	1008.60	1008.59	1008.58	1008.50	1008.36	1008.27	1008.59
	6	1008.21	1008.16	1008.08	1008.01	1007.98	1008.01	1008.15	1008.42	1008.70	1008.77	1008.80	1008.93	1008.35
	7	1009.05	1009.04	1008.95	1008.89	1008.88	1008.90	1008.87	1008.85	1009.03	1009.19	1009.27	1009.34	1009.02
	8	1009.32	1009.25	1009.27	1009.32	1009.28	1009.23	1009.17	1009.13	1009.16	1009.19	1009.15	1009.11	1009.21
	9	1009.10	1009.05	1009.02	1008.95	1008.94	1009.03	1009.09	1009.15	1009.20	1009.27	1009.34	1009.39	1009.13
	10	1009.46	1009.50	1009.49	1009.49	1009.45	1009.40	1009.40	1009.39	1009.39	1009.39	1009.35	1009.36	1009.42
	11	1009.40	1009.43	1009.41	1009.37	1009.32	1009.27	1009.26	1009.24	1009.19	1009.13	1009.12	1009.14	1009.27
	12	1009.10	1009.05	1008.99	1008.96	1008.92	1008.89	1008.85	1008.78	1008.76	1008.77	1008.79	1008.78	1008.88
	13	1008.78	1008.78	1008.78	1008.81	1008.82	1008.81	1008.79	1008.78	1008.84	1008.89	1008.91	1008.94	1008.83
	14	1008.93	1008.95	1008.98	1009.00	1009.02	1009.06	1009.12	1009.16	1009.15	1009.17	1009.16	1009.13	1009.07
	15	1009.16	1009.20	1009.28	1009.32	1009.35	1009.36	1009.37	1009.45	1009.54	1009.52	1009.49	1009.57	1009.38
	16	1009.64	1009.66	1009.68	1009.75	1009.78	1009.80	1009.87	1009.89	1009.85	1009.84	1009.89	1009.93	1009.80
	17	1009.98	1010.03	1010.03	1010.00	1010.02	1010.11	1010.16	1010.17	1010.18	1010.19	1010.18	1010.18	1010.10
	18	1010.19	1010.23	1010.27	1010.29	1010.32	1010.35	1010.37	1010.39	1010.43	1010.48	1010.55	1010.61	1010.37
	19	1010.67	1010.76	1010.82	1010.84	1010.85	1010.88	1010.88	1010.91	1011.01	1011.10	1011.22	1011.32	1010.94
	20	1011.37	1011.39	1011.39	1011.41	1011.44	1011.47	1011.55	1011.63	1011.69	1011.75	1011.78	1011.76	1011.55
	21	1011.72	1011.71	1011.72	1011.74	1011.81	1011.90	1011.98	1012.01	1011.99	1011.92	1011.81	1011.77	1011.84
	22	1011.78	1011.81	1011.80	1011.76	1011.73	1011.73	1011.74	1011.74	1011.73	1011.73	1011.69	1011.61	1011.73
	23	1011.56	1011.51	1011.45	1011.41	1011.36	1011.31	1011.26	1011.20	1011.20	1011.23	1011.23	1011.21	1011.32

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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
13	0	1011.28	1011.31	1011.34	1011.35	1011.34	1011.30	1011.29	1011.23	1011.19	1011.20	1011.18	1011.11	1011.26
	1	1011.05	1011.05	1011.06	1011.02	1011.03	1011.05	1011.04	1010.98	1010.94	1010.96	1010.96	1010.94	1011.00
	2	1010.97	1011.11	1011.26	1011.30	1011.29	1011.28	1011.34	1011.44	1011.51	1011.55	1011.52	1011.53	1011.34
	3	1011.55	1011.49	1011.39	1011.32	1011.32	1011.31	1011.27	1011.23	1011.14	1011.06	1011.00	1010.93	1011.25
	4	1010.95	1010.97	1010.97	1010.94	1010.82	1010.66	1010.65	1010.72	1010.73	1010.73	1010.75	1010.75	1010.80
	5	1010.78	1010.80	1010.82	1010.81	1010.78	1010.74	1010.72	1010.72	1010.77	1010.84	1010.81	1010.74	1010.77
	6	1010.71	1010.71	1010.74	1010.81	1010.87	1010.90	1010.96	1011.07	1011.15	1011.21	1011.30	1011.37	1010.98
	7	1011.35	1011.32	1011.33	1011.36	1011.40	1011.39	1011.34	1011.32	1011.34	1011.36	1011.32	1011.27	1011.34
	8	1011.28	1011.31	1011.38	1011.48	1011.52	1011.50	1011.50	1011.53	1011.56	1011.58	1011.60	1011.58	1011.48
	9	1011.53	1011.48	1011.45	1011.41	1011.32	1011.20	1011.17	1011.16	1011.12	1011.06	1010.99	1010.99	1011.24
	10	1010.98	1011.00	1011.07	1011.07	1011.12	1011.21	1011.22	1011.29	1011.33	1011.24	1011.14	1011.11	1011.15
	11	1011.11	1011.13	1011.09	1011.03	1011.04	1011.09	1011.11	1011.02	1010.85	1010.71	1010.63	1010.60	1010.95
	12	1010.56	1010.56	1010.61	1010.64	1010.69	1010.76	1010.78	1010.78	1010.76	1010.68	1010.57	1010.47	1010.65
	13	1010.38	1010.32	1010.31	1010.32	1010.35	1010.36	1010.33	1010.25	1010.18	1010.16	1010.14	1010.10	1010.26
	14	1010.06	1010.03	1009.96	1009.89	1009.80	1009.67	1009.59	1009.54	1009.46	1009.36	1009.32	1009.33	1009.66
	15	1009.35	1009.39	1009.43	1009.38	1009.25	1009.13	1009.02	1008.93	1008.88	1008.82	1008.77	1008.79	1009.09
	16	1008.80	1008.76	1008.72	1008.71	1008.68	1008.63	1008.60	1008.55	1008.51	1008.54	1008.53	1008.48	1008.62
	17	1008.54	1008.62	1008.66	1008.71	1008.75	1008.77	1008.80	1008.82	1008.80	1008.80	1008.84	1008.88	1008.75
	18	1008.91	1008.91	1008.90	1008.93	1009.02	1009.11	1009.16	1009.19	1009.22	1009.25	1009.33	1009.42	1009.11
	19	1009.48	1009.48	1009.45	1009.47	1009.50	1009.53	1009.55	1009.53	1009.55	1009.58	1009.61	1009.62	1009.53
	20	1009.61	1009.61	1009.64	1009.74	1009.83	1009.83	1009.80	1009.85	1009.88	1009.90	1009.94	1009.95	1009.80
	21	1009.93	1009.89	1009.83	1009.81	1009.84	1009.82	1009.78	1009.72	1009.65	1009.58	1009.53	1009.55	1009.74
	22	1009.52	1009.46	1009.40	1009.39	1009.39	1009.32	1009.28	1009.24	1009.21	1009.20	1009.21	1009.21	1009.32
	23	1009.17	1009.17	1009.20	1009.20	1009.18	1009.21	1009.26	1009.29	1009.31	1009.30	1009.25	1009.20	1009.23
14	0	1009.19	1009.23	1009.28	1009.28	1009.26	1009.27	1009.26	1009.20	1009.13	1009.08	1009.06	1009.04	1009.19
	1	1009.00	1008.97	1008.94	1008.93	1008.96	1008.93	1008.86	1008.87	1008.86	1008.82	1008.82	1008.84	1008.90
	2	1008.82	1008.79	1008.79	1008.79	1008.79	1008.77	1008.75	1008.75	1008.72	1008.67	1008.68	1008.73	1008.75
	3	1008.75	1008.77	1008.77	1008.74	1008.71	1008.67	1008.68	1008.71	1008.72	1008.72	1008.70	1008.70	1008.72
	4	1008.71	1008.73	1008.76	1008.77	1008.78	1008.81	1008.86	1008.92	1008.91	1008.90	1008.94	1008.97	1008.84
	5	1008.97	1008.99	1008.98	1008.96	1009.00	1009.05	1009.06	1009.08	1009.14	1009.19	1009.20	1009.21	1009.07
	6	1009.21	1009.23	1009.25	1009.22	1009.19	1009.18	1009.21	1009.23	1009.23	1009.23	1009.24	1009.27	1009.22
	7	1009.28	1009.33	1009.43	1009.49	1009.49	1009.50	1009.53	1009.52	1009.51	1009.52	1009.57	1009.60	1009.48
	8	1009.61	1009.64	1009.61	1009.57	1009.51	1009.47	1009.46	1009.41	1009.40	1009.45	1009.46	1009.47	1009.50
	9	1009.50	1009.52	1009.50	1009.46	1009.43	1009.39	1009.34	1009.31	1009.28	1009.23	1009.19	1009.17	1009.36
	10	1009.16	1009.14	1009.09	1009.05	1009.05	1009.05	1009.01	1008.97	1008.92	1008.84	1008.75	1008.67	1008.97
	11	1008.63	1008.64	1008.60	1008.51	1008.48	1008.48	1008.44	1008.39	1008.38	1008.35	1008.27	1008.21	1008.45
	12	1008.15	1008.10	1008.05	1007.99	1007.95	1007.91	1007.90	1007.87	1007.82	1007.82	1007.85	1007.88	1007.94
	13	1007.91	1007.92	1007.88	1007.84	1007.79	1007.77	1007.76	1007.75	1007.73	1007.71	1007.68	1007.63	1007.78
	14	1007.60	1007.58	1007.54	1007.49	1007.45	1007.42	1007.41	1007.39	1007.39	1007.43	1007.43	1007.41	1007.46
	15	1007.41	1007.40	1007.42	1007.45	1007.47	1007.48	1007.48	1007.50	1007.53	1007.57	1007.61	1007.62	1007.49
	16	1007.61	1007.63	1007.68	1007.70	1007.68	1007.64	1007.62	1007.61	1007.60	1007.58	1007.57	1007.56	1007.62
	17	1007.56	1007.56	1007.54	1007.53	1007.55	1007.56	1007.57	1007.57	1007.55	1007.54	1007.52	1007.53	1007.55
	18	1007.56	1007.56	1007.53	1007.47	1007.39	1007.37	1007.39	1007.45	1007.50	1007.47	1007.47	1007.51	1007.47
	19	1007.52	1007.52	1007.54	1007.59	1007.62	1007.62	1007.64	1007.64	1007.64	1007.60	1007.57	1007.60	1007.59
	20	1007.60	1007.57	1007.59	1007.63	1007.64	1007.68	1007.71	1007.70	1007.70	1007.69	1007.68	1007.68	1007.65
	21	1007.66	1007.65	1007.65	1007.60	1007.55	1007.51	1007.52	1007.54	1007.49	1007.43	1007.42	1007.40	1007.53
	22	1007.34	1007.28	1007.28	1007.28	1007.27	1007.26	1007.18	1007.13	1007.19	1007.22	1007.21	1007.20	1007.23
	23	1007.18	1007.18	1007.17	1007.09	1006.99	1006.92	1006.90	1006.92	1006.90	1006.82	1006.73	1006.64	1006.95

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1006.52	1006.51	1006.43	1006.36	1006.34	1006.27	1006.19	1006.13	1006.09	1006.05	1005.99	1005.96	1006.22
	1	1005.94	1005.93	1005.91	1005.87	1005.84	1005.72	1005.58	1005.56	1005.52	1005.43	1005.36	1005.35	1005.66
	2	1005.33	1005.33	1005.33	1005.30	1005.33	1005.34	1005.31	1005.25	1005.15	1005.08	1005.06	1005.03	1005.23
	3	1005.02	1005.09	1005.14	1005.12	1005.08	1005.00	1004.96	1004.96	1004.96	1004.92	1004.87	1004.91	1005.00
	4	1004.96	1004.97	1005.00	1004.98	1004.87	1004.77	1004.65	1004.62	1004.73	1004.79	1004.72	1004.60	1004.80
	5	1004.57	1004.69	1004.74	1004.72	1004.74	1004.74	1004.74	1004.79	1004.83	1004.83	1004.79	1004.79	1004.75
	6	1004.77	1004.74	1004.75	1004.78	1004.83	1004.86	1004.84	1004.85	1004.88	1004.90	1004.93	1004.88	1004.83
	7	1004.76	1004.73	1004.76	1004.77	1004.75	1004.78	1004.85	1004.86	1004.93	1005.09	1005.23	1005.31	1004.90
	8	1005.32	1005.31	1005.29	1005.31	1005.34	1005.37	1005.33	1005.24	1005.24	1005.22	1005.15	1005.09	1005.27
	9	1005.05	1005.04	1005.02	1005.08	1005.18	1005.19	1005.21	1005.21	1005.17	1005.15	1005.17	1005.23	1005.14
	10	1005.26	1005.27	1005.28	1005.26	1005.25	1005.33	1005.41	1005.41	1005.42	1005.42	1005.42	1005.39	1005.34
	11	1005.33	1005.27	1005.27	1005.26	1005.22	1005.18	1005.15	1005.05	1004.93	1004.91	1004.86	1004.74	1005.09
	12	1004.62	1004.56	1004.47	1004.36	1004.24	1004.11	1004.02	1004.01	1004.10	1004.12	1004.08	1004.10	1004.23
	13	1004.11	1004.03	1003.99	1004.03	1004.07	1004.09	1004.08	1004.07	1003.99	1003.93	1003.92	1003.93	1004.02
	14	1004.02	1004.05	1004.07	1004.13	1004.14	1004.16	1004.18	1004.20	1004.19	1004.14	1004.14	1004.16	1004.13
	15	1004.15	1004.06	1003.96	1003.86	1003.71	1003.57	1003.53	1003.53	1003.50	1003.48	1003.49	1003.47	1003.69
	16	1003.44	1003.44	1003.47	1003.52	1003.52	1003.48	1003.50	1003.56	1003.58	1003.61	1003.61	1003.55	1003.52
	17	1003.50	1003.44	1003.44	1003.47	1003.45	1003.38	1003.38	1003.37	1003.22	1003.20	1004.18	1005.04	1003.59
	18	1004.87	1004.83	1005.11	1005.41	1005.47	1005.32	1005.33	1005.40	1005.41	1005.56	1005.92	1006.15	1005.40
	19	1006.11	1006.03	1005.91	1005.81	1005.74	1005.73	1005.81	1005.89	1005.92	1005.91	1005.92	1005.97	1005.89
	20	1005.94	1005.78	1005.63	1005.53	1005.55	1005.56	1005.43	1005.41	1005.47	1005.53	1005.58	1005.59	1005.58
	21	1005.62	1005.67	1005.75	1005.77	1005.66	1005.53	1005.45	1005.41	1005.49	1005.57	1005.62	1005.71	1005.60
	22	1005.79	1005.87	1005.94	1006.00	1006.11	1006.22	1006.31	1006.38	1006.39	1006.40	1006.44	1006.49	1006.19
	23	1006.52	1006.54	1006.53	1006.50	1006.45	1006.44	1006.47	1006.52	1006.55	1006.53	1006.55	1006.55	1006.51
16	0	1006.53	1006.52	1006.57	1006.62	1006.64	1006.70	1006.75	1006.75	1006.68	1006.69	1006.72	1006.68	1006.66
	1	1006.71	1006.78	1006.79	1006.79	1006.78	1006.71	1006.69	1006.76	1006.82	1006.84	1006.86	1006.88	1006.78
	2	1006.88	1006.88	1006.89	1006.89	1006.88	1006.91	1006.92	1006.91	1006.90	1006.91	1007.01	1007.09	1006.92
	3	1007.16	1007.20	1007.17	1007.20	1007.31	1007.39	1007.45	1007.51	1007.55	1007.58	1007.60	1007.62	1007.39
	4	1007.63	1007.61	1007.59	1007.64	1007.64	1007.62	1007.65	1007.63	1007.63	1007.66	1007.66	1007.64	1007.63
	5	1007.60	1007.59	1007.66	1007.78	1007.79	1007.70	1007.68	1007.79	1007.94	1007.99	1007.98	1008.00	1007.79
	6	1008.12	1008.20	1008.14	1008.08	1008.16	1008.32	1008.40	1008.48	1008.61	1008.73	1008.82	1008.87	1008.41
	7	1008.98	1009.14	1009.25	1009.36	1009.48	1009.61	1009.78	1009.93	1010.00	1010.05	1010.14	1010.29	1009.67
	8	1010.45	1010.62	1010.78	1010.91	1011.01	1011.09	1011.18	1011.30	1011.43	1011.57	1011.67	1011.71	1011.14
	9	1011.75	1011.88	1012.02	1012.10	1012.19	1012.32	1012.45	1012.53	1012.59	1012.65	1012.73	1012.78	1012.33
	10	1012.79	1012.89	1013.00	1013.06	1013.10	1013.11	1013.08	1013.07	1013.10	1013.11	1013.09	1013.04	1013.03
	11	1013.02	1013.06	1013.08	1013.06	1013.05	1013.06	1013.07	1013.06	1013.06	1013.07	1013.09	1013.13	1013.07
	12	1013.15	1013.11	1013.05	1013.03	1013.06	1013.10	1013.16	1013.18	1013.21	1013.25	1013.25	1013.27	1013.15
	13	1013.34	1013.43	1013.50	1013.59	1013.63	1013.60	1013.55	1013.49	1013.48	1013.50	1013.56	1013.66	1013.52
	14	1013.71	1013.73	1013.77	1013.79	1013.82	1013.86	1013.88	1013.87	1013.85	1013.93	1014.02	1014.08	1013.86
	15	1014.15	1014.19	1014.25	1014.34	1014.38	1014.37	1014.38	1014.45	1014.53	1014.56	1014.59	1014.65	1014.40
	16	1014.73	1014.84	1014.92	1015.03	1015.13	1015.20	1015.28	1015.39	1015.53	1015.61	1015.70	1015.81	1015.26
	17	1015.90	1015.97	1016.05	1016.12	1016.13	1016.18	1016.26	1016.28	1016.33	1016.38	1016.42	1016.43	1016.20
	18	1016.45	1016.53	1016.58	1016.63	1016.73	1016.81	1016.92	1017.01	1017.04	1017.08	1017.13	1017.17	1016.84
	19	1017.21	1017.22	1017.26	1017.36	1017.47	1017.56	1017.64	1017.71	1017.76	1017.84	1017.95	1018.03	1017.58
	20	1018.09	1018.19	1018.32	1018.39	1018.45	1018.49	1018.49	1018.51	1018.56	1018.54	1018.51	1018.54	1018.42
	21	1018.59	1018.63	1018.64	1018.64	1018.66	1018.70	1018.71	1018.72	1018.75	1018.75	1018.70	1018.73	1018.68
	22	1018.80	1018.79	1018.77	1018.77	1018.77	1018.81	1018.87	1018.92	1018.96	1019.04	1019.13	1019.21	1018.90
	23	1019.27	1019.29	1019.28	1019.29	1019.28	1019.24	1019.22	1019.19	1019.16	1019.22	1019.29	1019.35	1019.26



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1019.40	1019.44	1019.46	1019.47	1019.43	1019.39	1019.34	1019.32	1019.35	1019.33	1019.36	1019.31	1019.38
	1	1019.23	1019.27	1019.30	1019.30	1019.31	1019.35	1019.30	1019.27	1019.33	1019.33	1019.32	1019.32	1019.30
	2	1019.35	1019.42	1019.47	1019.50	1019.54	1019.54	1019.53	1019.56	1019.61	1019.64	1019.65	1019.68	1019.54
	3	1019.73	1019.81	1019.87	1019.89	1019.86	1019.83	1019.81	1019.83	1019.86	1019.87	1019.90	1019.90	1019.85
	4	1019.90	1019.93	1019.93	1019.94	1019.95	1019.96	1020.02	1020.05	1020.05	1020.05	1020.05	1020.12	1019.99
	5	1020.20	1020.24	1020.27	1020.27	1020.28	1020.31	1020.33	1020.32	1020.34	1020.36	1020.38	1020.41	1020.31
	6	1020.46	1020.54	1020.62	1020.69	1020.71	1020.74	1020.77	1020.80	1020.83	1020.92	1021.01	1021.04	1020.76
	7	1021.09	1021.12	1021.14	1021.18	1021.19	1021.23	1021.26	1021.26	1021.31	1021.38	1021.44	1021.52	1021.26
	8	1021.57	1021.63	1021.69	1021.74	1021.75	1021.77	1021.81	1021.82	1021.84	1021.86	1021.88	1021.89	1021.77
	9	1021.90	1021.92	1021.95	1021.96	1021.94	1021.90	1021.90	1021.92	1021.95	1021.98	1021.96	1021.92	1021.93
	10	1021.87	1021.85	1021.85	1021.86	1021.83	1021.80	1021.79	1021.79	1021.76	1021.72	1021.70	1021.66	1021.79
	11	1021.64	1021.62	1021.56	1021.47	1021.39	1021.34	1021.28	1021.23	1021.22	1021.22	1021.18	1021.12	1021.35
	12	1021.10	1021.07	1021.05	1021.03	1021.01	1021.02	1021.04	1021.06	1021.07	1021.08	1021.07	1021.05	1021.05
	13	1021.00	1020.92	1020.85	1020.79	1020.74	1020.71	1020.68	1020.66	1020.63	1020.60	1020.55	1020.54	1020.72
	14	1020.56	1020.53	1020.51	1020.49	1020.46	1020.42	1020.38	1020.38	1020.38	1020.36	1020.32	1020.28	1020.42
	15	1020.25	1020.25	1020.26	1020.26	1020.27	1020.28	1020.28	1020.28	1020.30	1020.31	1020.30	1020.28	1020.27
	16	1020.26	1020.27	1020.31	1020.31	1020.29	1020.26	1020.25	1020.28	1020.30	1020.33	1020.37	1020.37	1020.30
	17	1020.41	1020.49	1020.53	1020.57	1020.60	1020.65	1020.67	1020.67	1020.69	1020.71	1020.75	1020.78	1020.62
	18	1020.81	1020.82	1020.83	1020.88	1020.90	1020.91	1020.97	1020.99	1020.97	1020.98	1021.00	1021.01	1020.92
	19	1021.06	1021.08	1021.07	1021.09	1021.11	1021.11	1021.14	1021.19	1021.24	1021.27	1021.30	1021.31	1021.16
	20	1021.32	1021.35	1021.39	1021.40	1021.38	1021.37	1021.35	1021.33	1021.33	1021.34	1021.34	1021.30	1021.35
	21	1021.26	1021.26	1021.28	1021.28	1021.25	1021.24	1021.21	1021.17	1021.13	1021.14	1021.16	1021.16	1021.21
	22	1021.15	1021.14	1021.13	1021.13	1021.15	1021.17	1021.17	1021.20	1021.25	1021.29	1021.33	1021.35	1021.20
	23	1021.35	1021.34	1021.31	1021.29	1021.29	1021.30	1021.25	1021.19	1021.17	1021.16	1021.13	1021.11	1021.24
18	0	1021.11	1021.13	1021.16	1021.15	1021.11	1021.10	1021.09	1021.05	1021.03	1020.99	1020.96	1020.93	1021.06
	1	1020.92	1020.91	1020.85	1020.80	1020.74	1020.65	1020.59	1020.55	1020.52	1020.50	1020.45	1020.41	1020.66
	2	1020.40	1020.38	1020.37	1020.37	1020.34	1020.32	1020.30	1020.29	1020.30	1020.30	1020.29	1020.28	1020.33
	3	1020.28	1020.28	1020.31	1020.33	1020.36	1020.37	1020.37	1020.38	1020.40	1020.42	1020.44	1020.45	1020.36
	4	1020.45	1020.49	1020.51	1020.48	1020.48	1020.50	1020.51	1020.53	1020.54	1020.52	1020.52	1020.53	1020.50
	5	1020.54	1020.55	1020.57	1020.59	1020.63	1020.68	1020.71	1020.76	1020.86	1020.96	1021.04	1021.10	1020.75
	6	1021.15	1021.17	1021.19	1021.21	1021.22	1021.23	1021.25	1021.27	1021.27	1021.30	1021.36	1021.40	1021.25
	7	1021.41	1021.40	1021.40	1021.42	1021.42	1021.40	1021.40	1021.42	1021.44	1021.45	1021.46	1021.45	1021.42
	8	1021.43	1021.43	1021.42	1021.42	1021.42	1021.43	1021.45	1021.47	1021.46	1021.46	1021.44	1021.44	1021.44
	9	1021.47	1021.48	1021.47	1021.46	1021.44	1021.43	1021.41	1021.38	1021.36	1021.33	1021.29	1021.25	1021.39
	10	1021.22	1021.20	1021.17	1021.16	1021.14	1021.09	1021.02	1020.95	1020.90	1020.86	1020.82	1020.80	1021.02
	11	1020.77	1020.72	1020.65	1020.57	1020.50	1020.43	1020.38	1020.31	1020.23	1020.17	1020.12	1020.08	1020.41
	12	1020.03	1019.96	1019.91	1019.88	1019.84	1019.77	1019.72	1019.70	1019.67	1019.62	1019.56	1019.52	1019.76
	13	1019.46	1019.40	1019.36	1019.32	1019.30	1019.28	1019.27	1019.27	1019.26	1019.23	1019.21	1019.17	1019.29
	14	1019.13	1019.10	1019.08	1019.07	1019.05	1019.04	1019.03	1019.03	1019.06	1019.05	1019.03	1019.02	1019.05
	15	1018.99	1018.97	1018.96	1018.94	1018.94	1018.96	1018.98	1018.98	1019.00	1019.03	1019.06	1019.09	1018.99
	16	1019.12	1019.11	1019.09	1019.10	1019.10	1019.13	1019.15	1019.19	1019.25	1019.30	1019.34	1019.36	1019.18
	17	1019.39	1019.44	1019.47	1019.48	1019.50	1019.55	1019.56	1019.53	1019.51	1019.51	1019.51	1019.52	1019.49
	18	1019.53	1019.51	1019.48	1019.49	1019.50	1019.54	1019.57	1019.59	1019.62	1019.67	1019.69	1019.70	1019.57
	19	1019.70	1019.71	1019.72	1019.73	1019.76	1019.80	1019.81	1019.81	1019.85	1019.88	1019.92	1019.97	1019.80
	20	1020.01	1020.06	1020.13	1020.17	1020.21	1020.29	1020.33	1020.31	1020.28	1020.27	1020.26	1020.26	1020.21
	21	1020.27	1020.28	1020.28	1020.27	1020.27	1020.27	1020.23	1020.19	1020.18	1020.18	1020.17	1020.17	1020.23
	22	1020.19	1020.19	1020.19	1020.15	1020.12	1020.11	1020.08	1020.03	1019.97	1019.93	1019.91	1019.90	1020.06
	23	1019.92	1019.97	1020.03	1020.07	1020.10	1020.11	1020.07	1020.07	1020.07	1020.10	1020.12	1020.12	1020.06

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1020.11	1020.10	1020.07	1020.05	1020.07	1020.10	1020.14	1020.19	1020.21	1020.20	1020.19	1020.20	1020.13
	1	1020.18	1020.16	1020.13	1020.12	1020.13	1020.15	1020.15	1020.13	1020.13	1020.14	1020.14	1020.15	1020.14
	2	1020.15	1020.16	1020.18	1020.18	1020.16	1020.17	1020.19	1020.19	1020.18	1020.17	1020.19	1020.21	1020.17
	3	1020.23	1020.23	1020.21	1020.17	1020.16	1020.16	1020.15	1020.14	1020.13	1020.14	1020.15	1020.15	1020.17
	4	1020.13	1020.11	1020.10	1020.12	1020.13	1020.12	1020.11	1020.10	1020.09	1020.09	1020.11	1020.11	1020.11
	5	1020.07	1020.02	1020.01	1019.99	1019.99	1020.02	1020.04	1020.06	1020.08	1020.11	1020.16	1020.17	1020.06
	6	1020.17	1020.19	1020.21	1020.25	1020.28	1020.27	1020.29	1020.33	1020.32	1020.30	1020.32	1020.34	1020.27
	7	1020.36	1020.40	1020.41	1020.45	1020.49	1020.49	1020.47	1020.50	1020.55	1020.60	1020.64	1020.64	1020.50
	8	1020.67	1020.69	1020.71	1020.72	1020.70	1020.70	1020.70	1020.69	1020.69	1020.68	1020.69	1020.69	1020.69
	9	1020.68	1020.68	1020.69	1020.69	1020.71	1020.69	1020.66	1020.65	1020.65	1020.65	1020.65	1020.63	1020.67
	10	1020.59	1020.53	1020.48	1020.47	1020.44	1020.39	1020.32	1020.28	1020.22	1020.10	1020.03	1020.01	1020.32
	11	1019.97	1019.92	1019.86	1019.80	1019.75	1019.70	1019.66	1019.63	1019.60	1019.57	1019.51	1019.43	1019.70
	12	1019.35	1019.31	1019.27	1019.21	1019.16	1019.14	1019.13	1019.13	1019.11	1019.11	1019.12	1019.12	1019.18
	13	1019.12	1019.13	1019.13	1019.10	1019.08	1019.06	1019.04	1019.05	1019.06	1019.05	1019.04	1019.01	1019.07
	14	1018.96	1018.94	1018.94	1018.92	1018.90	1018.89	1018.86	1018.80	1018.77	1018.76	1018.76	1018.77	1018.85
	15	1018.78	1018.79	1018.81	1018.84	1018.85	1018.83	1018.83	1018.88	1018.93	1018.98	1019.02	1019.08	1018.88
	16	1019.12	1019.13	1019.12	1019.11	1019.12	1019.15	1019.21	1019.27	1019.31	1019.30	1019.30	1019.37	1019.21
	17	1019.46	1019.51	1019.55	1019.60	1019.65	1019.70	1019.71	1019.69	1019.67	1019.64	1019.62	1019.61	1019.62
	18	1019.60	1019.61	1019.60	1019.59	1019.58	1019.58	1019.58	1019.57	1019.54	1019.51	1019.51	1019.58	1019.57
	19	1019.63	1019.66	1019.71	1019.74	1019.75	1019.78	1019.82	1019.84	1019.81	1019.80	1019.82	1019.85	1019.77
	20	1019.85	1019.81	1019.80	1019.79	1019.76	1019.73	1019.71	1019.70	1019.67	1019.63	1019.63	1019.64	1019.72
	21	1019.63	1019.62	1019.58	1019.49	1019.43	1019.40	1019.38	1019.37	1019.35	1019.35	1019.34	1019.32	1019.44
	22	1019.30	1019.28	1019.24	1019.22	1019.20	1019.17	1019.15	1019.14	1019.14	1019.13	1019.14	1019.14	1019.19
	23	1019.14	1019.16	1019.18	1019.27	1019.35	1019.37	1019.38	1019.38	1019.40	1019.44	1019.45	1019.46	1019.33
20	0	1019.45	1019.46	1019.46	1019.49	1019.55	1019.58	1019.59	1019.59	1019.57	1019.57	1019.61	1019.65	1019.55
	1	1019.69	1019.70	1019.66	1019.60	1019.53	1019.47	1019.40	1019.35	1019.38	1019.40	1019.39	1019.37	1019.49
	2	1019.32	1019.25	1019.18	1019.19	1019.20	1019.21	1019.25	1019.26	1019.24	1019.20	1019.16	1019.17	1019.22
	3	1019.19	1019.19	1019.18	1019.20	1019.22	1019.20	1019.18	1019.16	1019.11	1019.06	1019.06	1019.05	1019.15
	4	1019.06	1019.06	1019.07	1019.07	1019.02	1018.97	1018.93	1018.91	1018.94	1018.97	1018.99	1019.00	1019.00
	5	1019.00	1018.99	1019.00	1019.01	1019.05	1019.08	1019.10	1019.16	1019.20	1019.20	1019.22	1019.28	1019.10
	6	1019.34	1019.41	1019.48	1019.52	1019.55	1019.56	1019.56	1019.59	1019.61	1019.63	1019.66	1019.70	1019.55
	7	1019.73	1019.74	1019.74	1019.72	1019.69	1019.64	1019.63	1019.65	1019.65	1019.65	1019.68	1019.70	1019.68
	8	1019.71	1019.70	1019.66	1019.64	1019.66	1019.68	1019.66	1019.66	1019.70	1019.71	1019.69	1019.67	1019.68
	9	1019.67	1019.66	1019.64	1019.62	1019.58	1019.53	1019.50	1019.47	1019.45	1019.43	1019.43	1019.43	1019.53
	10	1019.43	1019.40	1019.34	1019.30	1019.28	1019.24	1019.19	1019.14	1019.07	1019.04	1019.02	1018.98	1019.20
	11	1018.89	1018.79	1018.71	1018.65	1018.60	1018.56	1018.52	1018.47	1018.44	1018.42	1018.37	1018.32	1018.56
	12	1018.29	1018.29	1018.28	1018.25	1018.23	1018.19	1018.13	1018.07	1018.02	1017.98	1017.92	1017.86	1018.12
	13	1017.81	1017.76	1017.74	1017.70	1017.66	1017.64	1017.62	1017.59	1017.56	1017.51	1017.44	1017.40	1017.62
	14	1017.41	1017.43	1017.43	1017.43	1017.42	1017.41	1017.41	1017.41	1017.42	1017.42	1017.40	1017.40	1017.41
	15	1017.39	1017.38	1017.39	1017.40	1017.43	1017.49	1017.53	1017.54	1017.55	1017.57	1017.60	1017.62	1017.49
	16	1017.63	1017.64	1017.66	1017.68	1017.69	1017.67	1017.66	1017.66	1017.69	1017.75	1017.78	1017.78	1017.69
	17	1017.79	1017.81	1017.86	1017.88	1017.90	1017.91	1017.90	1017.93	1017.93	1017.91	1017.89	1017.89	1017.88
	18	1017.89	1017.91	1017.91	1017.89	1017.86	1017.86	1017.86	1017.87	1017.88	1017.88	1017.91	1017.94	1017.89
	19	1017.95	1017.93	1017.90	1017.88	1017.88	1017.88	1017.88	1017.92	1017.94	1017.94	1017.92	1017.89	1017.91
	20	1017.87	1017.91	1017.94	1017.94	1017.95	1017.96	1017.97	1017.93	1017.90	1017.88	1017.85	1017.85	1017.91
	21	1017.87	1017.87	1017.83	1017.76	1017.75	1017.79	1017.82	1017.81	1017.78	1017.75	1017.74	1017.69	1017.79
	22	1017.65	1017.64	1017.64	1017.65	1017.64	1017.63	1017.62	1017.61	1017.58	1017.53	1017.47	1017.45	1017.59
	23	1017.48	1017.47	1017.47	1017.47	1017.46	1017.45	1017.44	1017.41	1017.44	1017.47	1017.49	1017.49	1017.46

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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	1017.44	1017.45	1017.47	1017.46	1017.42	1017.39	1017.36	1017.33	1017.30	1017.27	1017.26	1017.22	1017.36
	1	1017.18	1017.16	1017.15	1017.15	1017.10	1017.06	1017.08	1017.12	1017.13	1017.08	1017.04	1017.03	1017.10
	2	1017.01	1016.98	1016.98	1016.97	1016.95	1016.96	1016.98	1016.97	1016.93	1016.91	1016.90	1016.87	1016.95
	3	1016.81	1016.75	1016.74	1016.74	1016.71	1016.67	1016.64	1016.62	1016.64	1016.65	1016.64	1016.59	1016.68
	4	1016.53	1016.53	1016.53	1016.51	1016.49	1016.52	1016.56	1016.56	1016.57	1016.57	1016.58	1016.61	1016.54
	5	1016.59	1016.55	1016.54	1016.56	1016.58	1016.59	1016.61	1016.59	1016.58	1016.65	1016.73	1016.74	1016.61
	6	1016.74	1016.75	1016.75	1016.78	1016.84	1016.91	1016.96	1016.96	1016.96	1016.99	1017.03	1017.08	1016.89
	7	1017.12	1017.20	1017.30	1017.33	1017.36	1017.39	1017.42	1017.40	1017.39	1017.39	1017.41	1017.46	1017.35
	8	1017.49	1017.55	1017.56	1017.51	1017.43	1017.36	1017.33	1017.28	1017.23	1017.22	1017.25	1017.25	1017.37
	9	1017.17	1017.08	1017.11	1017.16	1017.12	1017.04	1017.01	1017.03	1017.04	1017.04	1017.03	1016.96	1017.06
	10	1016.84	1016.77	1016.69	1016.62	1016.60	1016.55	1016.45	1016.31	1016.19	1016.12	1016.09	1016.06	1016.44
	11	1016.03	1016.01	1015.99	1015.97	1015.94	1015.91	1015.88	1015.79	1015.64	1015.51	1015.44	1015.42	1015.79
	12	1015.40	1015.37	1015.33	1015.29	1015.25	1015.24	1015.21	1015.12	1015.03	1014.99	1014.96	1014.95	1015.18
	13	1014.96	1014.91	1014.81	1014.74	1014.66	1014.58	1014.57	1014.56	1014.56	1014.58	1014.60	1014.63	1014.68
	14	1014.63	1014.66	1014.67	1014.63	1014.61	1014.67	1014.72	1014.73	1014.79	1014.85	1014.88	1014.93	1014.73
	15	1015.00	1015.05	1015.06	1015.09	1015.15	1015.18	1015.23	1015.31	1015.38	1015.45	1015.55	1015.63	1015.25
	16	1015.66	1015.69	1015.70	1015.72	1015.73	1015.77	1015.82	1015.85	1015.89	1015.93	1015.98	1016.03	1015.81
	17	1016.07	1016.08	1016.10	1016.14	1016.16	1016.16	1016.17	1016.21	1016.24	1016.24	1016.25	1016.29	1016.17
	18	1016.34	1016.34	1016.34	1016.38	1016.37	1016.33	1016.29	1016.29	1016.31	1016.35	1016.46	1016.52	1016.36
	19	1016.53	1016.52	1016.49	1016.46	1016.44	1016.44	1016.49	1016.51	1016.47	1016.47	1016.52	1016.56	1016.49
	20	1016.54	1016.50	1016.49	1016.44	1016.36	1016.34	1016.32	1016.27	1016.20	1016.17	1016.16	1016.14	1016.33
	21	1016.12	1016.13	1016.14	1016.14	1016.13	1016.10	1016.04	1016.00	1015.99	1015.96	1015.92	1015.94	1016.05
	22	1015.94	1015.92	1015.91	1015.89	1015.83	1015.79	1015.80	1015.78	1015.78	1015.78	1015.79	1015.79	1015.83
	23	1015.78	1015.80	1015.83	1015.83	1015.82	1015.80	1015.73	1015.71	1015.74	1015.75	1015.75	1015.75	1015.77
22	0	1015.80	1015.82	1015.84	1015.89	1015.95	1015.98	1016.04	1016.09	1016.09	1016.08	1016.05	1016.02	1015.98
	1	1015.94	1015.87	1015.89	1015.91	1015.87	1015.83	1015.77	1015.75	1015.75	1015.72	1015.72	1015.74	1015.81
	2	1015.69	1015.62	1015.58	1015.57	1015.57	1015.52	1015.47	1015.50	1015.52	1015.48	1015.47	1015.52	1015.54
	3	1015.61	1015.67	1015.65	1015.65	1015.72	1015.80	1015.85	1015.92	1016.05	1016.14	1016.23	1016.33	1015.88
	4	1016.43	1016.53	1016.56	1016.57	1016.58	1016.56	1016.52	1016.49	1016.46	1016.43	1016.47	1016.49	1016.50
	5	1016.46	1016.35	1016.24	1016.22	1016.24	1016.28	1016.28	1016.26	1016.22	1016.21	1016.27	1016.33	1016.28
	6	1016.33	1016.30	1016.29	1016.33	1016.36	1016.35	1016.39	1016.39	1016.39	1016.41	1016.38	1016.33	1016.35
	7	1016.25	1016.18	1016.16	1016.12	1016.18	1016.30	1016.23	1016.15	1016.13	1016.14	1016.16	1016.21	1016.18
	8	1016.20	1016.17	1016.15	1016.08	1016.01	1015.96	1015.95	1015.95	1015.93	1015.93	1015.96	1015.97	1016.02
	9	1015.97	1015.97	1015.98	1015.96	1015.92	1015.90	1015.89	1015.87	1015.86	1015.85	1015.82	1015.77	1015.89
	10	1015.72	1015.72	1015.70	1015.67	1015.65	1015.62	1015.58	1015.51	1015.45	1015.36	1015.29	1015.25	1015.54
	11	1015.21	1015.17	1015.10	1015.03	1014.98	1014.90	1014.83	1014.81	1014.77	1014.70	1014.66	1014.62	1014.90
	12	1014.59	1014.57	1014.52	1014.47	1014.41	1014.38	1014.39	1014.39	1014.37	1014.35	1014.31	1014.25	1014.41
	13	1014.20	1014.17	1014.19	1014.21	1014.20	1014.17	1014.14	1014.15	1014.17	1014.16	1014.14	1014.11	1014.17
	14	1014.11	1014.15	1014.19	1014.24	1014.29	1014.32	1014.34	1014.36	1014.39	1014.44	1014.50	1014.58	1014.32
	15	1014.65	1014.69	1014.69	1014.68	1014.64	1014.60	1014.57	1014.56	1014.59	1014.63	1014.63	1014.60	1014.62
	16	1014.57	1014.55	1014.56	1014.61	1014.64	1014.63	1014.58	1014.56	1014.59	1014.63	1014.68	1014.70	1014.61
	17	1014.74	1014.77	1014.79	1014.81	1014.81	1014.83	1014.86	1014.86	1014.85	1014.88	1014.93	1014.98	1014.84
	18	1015.00	1015.01	1015.01	1015.02	1015.03	1015.00	1014.98	1015.00	1015.04	1015.09	1015.14	1015.18	1015.04
	19	1015.18	1015.20	1015.31	1015.42	1015.51	1015.57	1015.60	1015.67	1015.74	1015.75	1015.75	1015.78	1015.54
	20	1015.84	1015.91	1015.96	1015.95	1015.94	1015.92	1015.91	1015.90	1015.89	1015.91	1015.96	1016.00	1015.92
	21	1016.03	1016.02	1016.00	1016.01	1016.02	1016.00	1015.97	1015.96	1015.95	1015.91	1015.90	1015.88	1015.97
	22	1015.83	1015.81	1015.80	1015.77	1015.74	1015.71	1015.71	1015.70	1015.69	1015.68	1015.68	1015.70	1015.73
	23	1015.72	1015.69	1015.64	1015.59	1015.57	1015.60	1015.59	1015.55	1015.53	1015.52	1015.56	1015.60	1015.59

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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	1015.57	1015.58	1015.60	1015.62	1015.62	1015.60	1015.60	1015.60	1015.57	1015.58	1015.56	1015.51	1015.58
	1	1015.52	1015.48	1015.44	1015.41	1015.39	1015.40	1015.40	1015.36	1015.32	1015.29	1015.29	1015.29	1015.38
	2	1015.26	1015.24	1015.21	1015.21	1015.24	1015.24	1015.22	1015.21	1015.24	1015.25	1015.27	1015.30	1015.24
	3	1015.32	1015.32	1015.34	1015.38	1015.40	1015.41	1015.42	1015.41	1015.42	1015.40	1015.40	1015.40	1015.38
	4	1015.37	1015.36	1015.34	1015.32	1015.31	1015.28	1015.25	1015.24	1015.25	1015.28	1015.29	1015.27	1015.29
	5	1015.27	1015.30	1015.32	1015.31	1015.30	1015.31	1015.34	1015.37	1015.41	1015.45	1015.53	1015.61	1015.37
	6	1015.66	1015.70	1015.75	1015.77	1015.77	1015.79	1015.86	1015.92	1015.96	1015.98	1015.99	1015.98	1015.84
	7	1016.00	1016.02	1016.04	1016.04	1016.05	1016.08	1016.10	1016.11	1016.10	1016.10	1016.13	1016.15	1016.07
	8	1016.18	1016.20	1016.20	1016.18	1016.16	1016.18	1016.22	1016.24	1016.26	1016.28	1016.29	1016.26	1016.22
	9	1016.23	1016.23	1016.22	1016.21	1016.23	1016.25	1016.22	1016.17	1016.11	1016.06	1016.02	1016.02	1016.16
	10	1016.01	1015.99	1015.99	1016.02	1016.05	1016.06	1016.08	1016.04	1015.99	1015.96	1015.93	1015.93	1016.00
	11	1015.91	1015.88	1015.85	1015.81	1015.78	1015.74	1015.70	1015.70	1015.70	1015.67	1015.62	1015.58	1015.74
	12	1015.53	1015.48	1015.42	1015.36	1015.36	1015.37	1015.36	1015.34	1015.34	1015.35	1015.37	1015.38	1015.39
	13	1015.37	1015.36	1015.38	1015.38	1015.32	1015.30	1015.28	1015.27	1015.25	1015.21	1015.19	1015.17	1015.29
	14	1015.17	1015.13	1015.05	1015.00	1014.97	1014.99	1015.00	1015.00	1015.02	1015.04	1015.01	1015.00	1015.03
	15	1015.00	1014.99	1015.00	1015.01	1015.04	1015.13	1015.20	1015.21	1015.23	1015.27	1015.32	1015.34	1015.14
	16	1015.34	1015.33	1015.29	1015.31	1015.39	1015.42	1015.44	1015.48	1015.52	1015.54	1015.58	1015.63	1015.44
	17	1015.63	1015.66	1015.70	1015.70	1015.69	1015.67	1015.67	1015.69	1015.67	1015.70	1015.75	1015.75	1015.69
	18	1015.71	1015.66	1015.62	1015.57	1015.54	1015.56	1015.54	1015.51	1015.55	1015.58	1015.57	1015.59	1015.58
	19	1015.64	1015.71	1015.77	1015.76	1015.73	1015.70	1015.71	1015.74	1015.73	1015.73	1015.77	1015.78	1015.73
	20	1015.78	1015.79	1015.78	1015.75	1015.75	1015.75	1015.74	1015.72	1015.71	1015.75	1015.82	1015.86	1015.77
	21	1015.83	1015.76	1015.72	1015.69	1015.64	1015.62	1015.61	1015.57	1015.56	1015.54	1015.46	1015.39	1015.61
	22	1015.35	1015.36	1015.39	1015.41	1015.38	1015.32	1015.33	1015.35	1015.31	1015.23	1015.16	1015.07	1015.30
	23	1014.99	1014.91	1014.85	1014.82	1014.81	1014.79	1014.77	1014.75	1014.74	1014.76	1014.76	1014.72	1014.80
24	0	1014.63	1014.62	1014.58	1014.56	1014.59	1014.59	1014.52	1014.49	1014.54	1014.54	1014.50	1014.46	1014.54
	1	1014.46	1014.46	1014.44	1014.39	1014.36	1014.37	1014.35	1014.30	1014.24	1014.20	1014.17	1014.14	1014.32
	2	1014.12	1014.09	1014.05	1014.01	1013.99	1014.00	1014.01	1013.99	1013.98	1013.96	1013.93	1013.90	1014.00
	3	1013.90	1013.92	1013.91	1013.93	1013.98	1014.01	1014.01	1014.01	1014.02	1014.01	1014.02	1014.01	1013.97
	4	1014.04	1014.09	1014.12	1014.14	1014.15	1014.16	1014.17	1014.17	1014.17	1014.16	1014.17	1014.20	1014.14
	5	1014.20	1014.17	1014.18	1014.24	1014.27	1014.27	1014.27	1014.27	1014.30	1014.36	1014.39	1014.37	1014.27
	6	1014.36	1014.42	1014.46	1014.48	1014.54	1014.59	1014.62	1014.63	1014.65	1014.71	1014.75	1014.74	1014.58
	7	1014.73	1014.75	1014.77	1014.77	1014.74	1014.67	1014.61	1014.56	1014.53	1014.52	1014.49	1014.46	1014.63
	8	1014.47	1014.46	1014.47	1014.49	1014.49	1014.47	1014.45	1014.43	1014.42	1014.43	1014.43	1014.42	1014.45
	9	1014.39	1014.37	1014.38	1014.39	1014.39	1014.39	1014.39	1014.37	1014.36	1014.31	1014.22	1014.21	1014.35
	10	1014.23	1014.22	1014.17	1014.13	1014.09	1014.04	1014.01	1013.96	1013.90	1013.86	1013.80	1013.74	1014.01
	11	1013.70	1013.66	1013.58	1013.52	1013.48	1013.45	1013.40	1013.37	1013.36	1013.30	1013.25	1013.22	1013.44
	12	1013.19	1013.21	1013.22	1013.18	1013.15	1013.12	1013.11	1013.13	1013.13	1013.11	1013.12	1013.13	1013.15
	13	1013.12	1013.11	1013.12	1013.10	1013.06	1013.05	1013.05	1013.04	1013.03	1013.00	1012.99	1012.97	1013.05
	14	1012.93	1012.89	1012.85	1012.80	1012.76	1012.75	1012.75	1012.74	1012.74	1012.75	1012.76	1012.76	1012.79
	15	1012.74	1012.75	1012.79	1012.82	1012.82	1012.80	1012.80	1012.81	1012.83	1012.87	1012.90	1012.93	1012.82
	16	1012.93	1012.93	1012.93	1012.94	1012.96	1012.96	1012.99	1013.04	1013.09	1013.15	1013.17	1013.19	1013.02
	17	1013.25	1013.30	1013.36	1013.40	1013.44	1013.46	1013.45	1013.47	1013.51	1013.53	1013.54	1013.55	1013.44
	18	1013.56	1013.56	1013.56	1013.56	1013.59	1013.61	1013.59	1013.57	1013.60	1013.64	1013.66	1013.66	1013.59
	19	1013.68	1013.70	1013.72	1013.74	1013.78	1013.83	1013.85	1013.85	1013.85	1013.82	1013.81	1013.82	1013.79
	20	1013.83	1013.85	1013.86	1013.85	1013.85	1013.86	1013.86	1013.84	1013.83	1013.84	1013.87	1013.87	1013.85
	21	1013.86	1013.88	1013.91	1013.92	1013.91	1013.92	1013.95	1013.94	1013.93	1013.92	1013.88	1013.84	1013.90
	22	1013.81	1013.81	1013.83	1013.84	1013.85	1013.87	1013.88	1013.86	1013.82	1013.80	1013.78	1013.77	1013.82
	23	1013.77	1013.80	1013.81	1013.79	1013.78	1013.75	1013.69	1013.64	1013.61	1013.59	1013.60	1013.61	1013.70

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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	1013.58	1013.57	1013.53	1013.51	1013.51	1013.50	1013.50	1013.49	1013.47	1013.46	1013.43	1013.41	1013.49
	1	1013.42	1013.42	1013.37	1013.32	1013.33	1013.32	1013.26	1013.18	1013.13	1013.10	1013.08	1013.06	1013.25
	2	1013.05	1013.03	1012.99	1012.97	1012.95	1012.91	1012.89	1012.88	1012.87	1012.87	1012.88	1012.88	1012.93
	3	1012.87	1012.86	1012.85	1012.83	1012.82	1012.85	1012.87	1012.87	1012.89	1012.90	1012.90	1012.89	1012.86
	4	1012.87	1012.82	1012.82	1012.84	1012.83	1012.81	1012.76	1012.74	1012.73	1012.72	1012.76	1012.78	1012.79
	5	1012.77	1012.74	1012.72	1012.72	1012.72	1012.70	1012.73	1012.79	1012.82	1012.85	1012.92	1012.98	1012.79
	6	1013.01	1013.01	1013.03	1013.08	1013.10	1013.12	1013.16	1013.15	1013.11	1013.09	1013.11	1013.16	1013.09
	7	1013.21	1013.21	1013.22	1013.24	1013.27	1013.32	1013.34	1013.37	1013.41	1013.38	1013.36	1013.34	1013.30
	8	1013.31	1013.29	1013.25	1013.25	1013.26	1013.29	1013.31	1013.27	1013.27	1013.27	1013.25	1013.23	1013.27
	9	1013.20	1013.21	1013.25	1013.25	1013.24	1013.24	1013.24	1013.23	1013.21	1013.17	1013.13	1013.09	1013.20
	10	1013.06	1013.05	1013.04	1012.99	1012.92	1012.88	1012.84	1012.77	1012.71	1012.68	1012.62	1012.53	1012.84
	11	1012.46	1012.42	1012.35	1012.28	1012.23	1012.16	1012.09	1012.01	1011.93	1011.85	1011.78	1011.74	1012.11
	12	1011.71	1011.69	1011.63	1011.59	1011.57	1011.55	1011.53	1011.50	1011.44	1011.36	1011.31	1011.28	1011.51
	13	1011.23	1011.18	1011.15	1011.14	1011.13	1011.14	1011.14	1011.12	1011.08	1011.05	1011.05	1011.07	1011.12
	14	1011.05	1010.99	1010.96	1010.98	1011.03	1011.07	1011.09	1011.09	1011.09	1011.07	1011.02	1010.97	1011.03
	15	1010.92	1010.89	1010.88	1010.89	1010.89	1010.88	1010.87	1010.86	1010.84	1010.83	1010.85	1010.88	1010.87
	16	1010.89	1010.89	1010.91	1010.95	1011.00	1011.02	1011.06	1011.10	1011.15	1011.21	1011.24	1011.23	1011.05
	17	1011.25	1011.28	1011.28	1011.28	1011.32	1011.34	1011.35	1011.35	1011.37	1011.42	1011.47	1011.52	1011.35
	18	1011.55	1011.57	1011.56	1011.55	1011.55	1011.54	1011.53	1011.55	1011.58	1011.59	1011.61	1011.67	1011.57
	19	1011.72	1011.74	1011.73	1011.72	1011.75	1011.80	1011.84	1011.85	1011.87	1011.93	1011.97	1011.96	1011.82
	20	1011.98	1012.02	1012.04	1012.06	1012.09	1012.08	1012.05	1012.04	1012.03	1012.05	1012.05	1012.04	1012.04
	21	1012.02	1012.00	1011.96	1011.91	1011.88	1011.89	1011.90	1011.87	1011.82	1011.77	1011.74	1011.73	1011.87
	22	1011.69	1011.64	1011.61	1011.64	1011.65	1011.62	1011.62	1011.62	1011.60	1011.59	1011.57	1011.54	1011.61
	23	1011.50	1011.44	1011.43	1011.43	1011.42	1011.41	1011.39	1011.39	1011.34	1011.26	1011.23	1011.23	1011.37
26	0	1011.18	1011.14	1011.11	1011.13	1011.15	1011.15	1011.14	1011.16	1011.16	1011.10	1010.98	1010.90	1011.10
	1	1010.88	1010.88	1010.84	1010.79	1010.77	1010.74	1010.66	1010.58	1010.57	1010.57	1010.58	1010.58	1010.70
	2	1010.53	1010.47	1010.41	1010.37	1010.31	1010.20	1010.10	1010.04	1010.02	1010.02	1010.02	1010.02	1010.21
	3	1010.01	1010.01	1010.01	1009.97	1009.94	1009.92	1009.85	1009.80	1009.78	1009.75	1009.73	1009.71	1009.87
	4	1009.70	1009.70	1009.72	1009.75	1009.78	1009.80	1009.79	1009.74	1009.70	1009.70	1009.66	1009.56	1009.71
	5	1009.45	1009.42	1009.41	1009.33	1009.26	1009.22	1009.15	1009.13	1009.16	1009.17	1009.17	1009.21	1009.26
	6	1009.26	1009.28	1009.30	1009.37	1009.42	1009.43	1009.40	1009.36	1009.39	1009.46	1009.50	1009.51	1009.39
	7	1009.50	1009.45	1009.43	1009.46	1009.50	1009.46	1009.41	1009.43	1009.41	1009.34	1009.31	1009.29	1009.41
	8	1009.27	1009.27	1009.25	1009.16	1009.09	1009.01	1008.92	1008.85	1008.80	1008.75	1008.68	1008.63	1008.97
	9	1008.64	1008.64	1008.63	1008.63	1008.62	1008.58	1008.56	1008.54	1008.47	1008.40	1008.38	1008.37	1008.54
	10	1008.31	1008.19	1008.05	1007.95	1007.87	1007.80	1007.68	1007.55	1007.50	1007.48	1007.42	1007.30	1007.76
	11	1007.22	1007.18	1007.13	1007.10	1007.07	1007.01	1006.97	1006.94	1006.88	1006.82	1006.72	1006.59	1006.97
	12	1006.44	1006.33	1006.22	1006.14	1006.08	1006.03	1005.97	1005.93	1005.84	1005.75	1005.72	1005.67	1006.01
	13	1005.56	1005.45	1005.42	1005.44	1005.39	1005.25	1005.18	1005.17	1005.14	1005.09	1005.05	1004.99	1005.26
	14	1004.90	1004.83	1004.73	1004.65	1004.61	1004.56	1004.53	1004.77	1004.97	1004.88	1004.77	1004.67	1004.74
	15	1004.47	1004.20	1004.01	1003.86	1003.79	1003.75	1003.70	1003.65	1003.59	1003.53	1003.44	1003.36	1003.78
	16	1003.28	1003.15	1003.03	1002.95	1002.89	1002.82	1002.71	1002.62	1002.56	1002.49	1002.42	1002.35	1002.77
	17	1002.30	1002.27	1002.16	1001.94	1001.73	1001.58	1001.51	1001.43	1001.35	1001.32	1001.23	1001.05	1001.65
	18	1000.89	1000.78	1000.68	1000.61	1000.55	1000.48	1000.43	1000.38	1000.33	1000.25	1000.17	1000.22	1000.48
	19	1000.25	1000.23	1000.19	1000.10	999.97	999.81	999.64	999.41	999.22	999.12	999.08	999.01	999.67
	20	998.85	998.80	998.66	998.32	998.08	998.11	998.29	998.19	998.02	998.05	998.02	997.99	998.28
	21	997.89	997.73	997.61	997.53	997.43	997.40	997.43	997.36	997.39	997.55	997.63	997.74	997.55
	22	997.79	997.75	997.73	997.67	997.62	997.64	997.69	997.74	997.79	997.86	997.90	997.97	997.76
	23	998.06	998.11	998.16	998.13	998.00	997.99	998.04	998.05	998.11	998.18	998.18	998.11	998.09

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
27	0	998.01	997.99	997.92	997.87	997.83	997.71	997.63	997.61	997.51	997.35	997.19	997.03	997.62
	1	996.86	996.72	996.61	996.53	996.43	996.35	996.30	996.21	996.15	996.11	995.99	995.80	996.34
	2	995.64	995.61	995.60	995.52	995.37	995.18	995.07	995.09	995.05	994.87	994.77	994.75	995.21
	3	994.70	994.56	994.53	994.56	994.51	994.52	994.57	994.55	994.54	994.48	994.42	994.38	994.52
	4	994.33	994.35	994.39	994.40	994.39	994.36	994.31	994.30	994.30	994.34	994.40	994.46	994.36
	5	994.47	994.44	994.41	994.42	994.43	994.43	994.42	994.36	994.31	994.26	994.19	994.18	994.36
	6	994.16	994.05	993.94	993.86	993.77	993.74	993.70	993.59	993.44	993.31	993.25	993.21	993.67
	7	993.12	993.12	993.19	993.23	993.20	993.19	993.21	993.16	993.09	993.01	992.93	992.92	993.11
	8	992.97	993.06	993.11	993.07	993.04	993.02	993.03	993.05	993.02	992.99	992.98	992.97	993.02
	9	992.92	992.92	992.94	992.91	992.92	992.97	992.95	992.88	992.87	992.89	992.87	992.85	992.91
	10	992.92	992.92	992.87	992.88	992.91	992.93	993.01	993.05	992.99	992.95	992.88	992.77	992.92
	11	992.67	992.58	992.68	992.76	992.67	992.61	992.56	992.50	992.45	992.43	992.38	992.31	992.55
	12	992.27	992.23	992.13	992.08	992.15	992.17	992.15	992.12	992.12	992.06	992.00	992.06	992.13
	13	992.12	992.08	992.03	991.95	991.91	991.94	991.92	991.86	991.86	991.91	991.96	991.94	991.95
	14	991.83	991.71	991.60	991.49	991.46	991.46	991.43	991.41	991.42	991.44	991.40	991.39	991.50
	15	991.37	991.30	991.28	991.30	991.27	991.23	991.23	991.29	991.31	991.29	991.27	991.28	991.28
	16	991.28	991.25	991.21	991.22	991.26	991.28	991.29	991.29	991.30	991.31	991.30	991.36	991.28
	17	991.44	991.46	991.49	991.53	991.57	991.61	991.64	991.66	991.68	991.68	991.68	991.70	991.59
	18	991.72	991.71	991.66	991.62	991.53	991.40	991.32	991.26	991.21	991.15	991.14	991.15	991.40
	19	991.09	990.98	990.93	990.97	991.02	991.00	990.95	990.86	990.74	990.62	990.50	990.42	990.84
	20	990.38	990.36	990.38	990.38	990.37	990.47	990.66	990.80	990.94	991.08	991.19	991.28	990.69
	21	991.32	991.32	991.33	991.32	991.28	991.25	991.24	991.28	991.37	991.49	991.54	991.59	991.36
	22	991.67	991.81	991.95	992.04	992.01	991.97	991.97	992.02	992.14	992.26	992.35	992.39	992.05
	23	992.45	992.56	992.68	992.75	992.85	992.97	993.09	993.22	993.37	993.52	993.59	993.62	993.05
28	0	993.79	993.79	993.83	993.90	993.94	993.95	993.97	994.00	994.08	994.17	994.18	994.18	993.99
	1	994.22	994.25	994.29	994.30	994.24	994.21	994.28	994.30	994.31	994.36	994.37	994.38	994.29
	2	994.42	994.43	994.44	994.56	994.62	994.58	994.62	994.73	994.83	994.93	994.99	995.05	994.68
	3	995.11	995.17	995.24	995.28	995.26	995.34	995.51	995.60	995.59	995.61	995.65	995.67	995.41
	4	995.68	995.71	995.83	995.90	995.96	996.02	996.05	996.13	996.23	996.34	996.41	996.48	996.06
	5	996.57	996.64	996.76	996.88	996.99	997.14	997.30	997.42	997.44	997.52	997.67	997.73	997.17
	6	997.79	997.89	998.02	998.12	998.16	998.18	998.23	998.37	998.53	998.68	998.77	998.90	998.30
	7	999.09	999.29	999.47	999.58	999.62	999.66	999.69	999.65	999.50	999.41	999.45	999.53	999.49
	8	999.62	999.71	999.82	999.88	999.85	999.83	999.83	999.85	999.99	1000.10	1000.14	1000.15	999.90
	9	1000.13	1000.13	1000.16	1000.24	1000.36	1000.51	1000.54	1000.51	1000.58	1000.65	1000.72	1000.73	1000.44
	10	1000.71	1000.80	1000.84	1000.76	1000.67	1000.67	1000.73	1000.76	1000.77	1000.84	1000.94	1000.94	1000.78
	11	1000.95	1000.91	1000.84	1000.80	1000.70	1000.63	1000.64	1000.61	1000.61	1000.64	1000.60	1000.60	1000.71
	12	1000.65	1000.71	1000.70	1000.64	1000.62	1000.56	1000.52	1000.69	1000.87	1000.87	1000.87	1000.91	1000.72
	13	1000.86	1000.80	1000.78	1000.71	1000.71	1000.68	1000.54	1000.47	1000.47	1000.50	1000.49	1000.48	1000.62
	14	1000.58	1000.66	1000.73	1000.86	1000.95	1000.96	1000.93	1000.92	1000.98	1001.03	1001.05	1001.04	1000.89
	15	1000.99	1000.96	1000.97	1001.06	1001.17	1001.24	1001.27	1001.29	1001.31	1001.36	1001.42	1001.41	1001.20
	16	1001.38	1001.32	1001.23	1001.20	1001.25	1001.28	1001.32	1001.41	1001.46	1001.50	1001.46	1001.42	1001.35
	17	1001.42	1001.43	1001.54	1001.65	1001.67	1001.67	1001.73	1001.71	1001.68	1001.71	1001.69	1001.72	1001.63
	18	1001.79	1001.78	1001.77	1001.80	1001.84	1001.84	1001.84	1001.84	1001.76	1001.69	1001.69	1001.69	1001.77
	19	1001.72	1001.79	1001.85	1001.89	1001.88	1001.84	1001.80	1001.76	1001.75	1001.77	1001.85	1001.90	1001.81
	20	1001.91	1001.93	1001.90	1001.87	1001.87	1001.87	1001.85	1001.85	1001.84	1001.76	1001.78	1001.95	1001.86
	21	1002.04	1002.06	1002.08	1002.00	1001.93	1001.92	1001.94	1001.93	1001.87	1001.83	1001.81	1001.76	1001.93
	22	1001.71	1001.68	1001.71	1001.73	1001.69	1001.67	1001.67	1001.66	1001.56	1001.50	1001.54	1001.54	1001.64
	23	1001.54	1001.53	1001.43	1001.34	1001.34	1001.39	1001.42	1001.39	1001.32	1001.33	1001.29	1001.18	1001.37

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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	1001.13	1001.15	1001.19	1001.28	1001.25	1001.16	1001.23	1001.25	1001.19	1001.14	1001.07	1001.00	1001.17
	1	1000.96	1000.93	1000.90	1000.89	1000.96	1001.13	1001.26	1001.15	1000.96	1000.89	1000.82	1000.72	1000.96
	2	1000.73	1000.90	1001.06	1001.14	1001.21	1001.22	1001.20	1001.12	1000.99	1000.99	1001.07	1001.06	1001.05
	3	1001.06	1001.00	1000.93	1000.97	1001.11	1001.30	1001.44	1001.45	1001.27	1001.12	1001.10	1001.04	1001.15
	4	1000.94	1000.92	1001.04	1001.17	1001.29	1001.33	1001.32	1001.35	1001.44	1001.53	1001.57	1001.57	1001.29
	5	1001.59	1001.62	1001.69	1001.75	1001.79	1001.88	1001.98	1002.03	1002.08	1002.10	1002.10	1002.15	1001.89
	6	1002.21	1002.27	1002.36	1002.36	1002.35	1002.41	1002.54	1002.68	1002.73	1002.82	1002.97	1003.08	1002.56
	7	1003.20	1003.30	1003.34	1003.37	1003.41	1003.49	1003.56	1003.60	1003.66	1003.73	1003.80	1003.88	1003.53
	8	1003.96	1004.04	1004.08	1004.10	1004.08	1004.06	1004.07	1004.10	1004.09	1004.13	1004.22	1004.28	1004.10
	9	1004.34	1004.38	1004.40	1004.47	1004.52	1004.52	1004.59	1004.69	1004.78	1004.87	1005.00	1005.08	1004.63
	10	1005.05	1005.01	1004.99	1004.96	1004.91	1004.90	1004.98	1005.06	1005.05	1005.00	1004.95	1004.92	1004.98
	11	1004.90	1004.88	1004.87	1004.87	1004.88	1004.89	1004.88	1004.86	1004.86	1004.85	1004.83	1004.80	1004.86
	12	1004.79	1004.82	1004.82	1004.85	1004.90	1004.93	1004.95	1004.97	1005.00	1005.01	1005.02	1005.07	1004.92
	13	1005.20	1005.34	1005.43	1005.51	1005.65	1005.81	1005.91	1005.96	1006.08	1006.19	1006.19	1006.15	1005.78
	14	1006.20	1006.29	1006.35	1006.36	1006.32	1006.32	1006.35	1006.35	1006.40	1006.49	1006.59	1006.66	1006.39
	15	1006.68	1006.75	1006.81	1006.82	1006.82	1006.89	1006.99	1007.05	1007.11	1007.17	1007.26	1007.31	1006.97
	16	1007.34	1007.41	1007.51	1007.64	1007.75	1007.88	1008.05	1008.20	1008.29	1008.37	1008.43	1008.46	1007.94
	17	1008.49	1008.52	1008.60	1008.66	1008.68	1008.74	1008.76	1008.74	1008.83	1008.94	1008.98	1009.02	1008.74
	18	1009.04	1009.03	1009.04	1009.11	1009.19	1009.28	1009.37	1009.40	1009.40	1009.44	1009.50	1009.57	1009.28
	19	1009.63	1009.71	1009.81	1009.89	1009.98	1010.09	1010.22	1010.33	1010.39	1010.44	1010.49	1010.53	1010.12
	20	1010.62	1010.68	1010.67	1010.62	1010.64	1010.69	1010.67	1010.71	1010.80	1010.91	1011.00	1011.07	1010.75
	21	1011.12	1011.12	1011.13	1011.15	1011.15	1011.16	1011.16	1011.13	1011.11	1011.12	1011.07	1011.05	1011.12
	22	1011.12	1011.18	1011.21	1011.21	1011.18	1011.20	1011.23	1011.25	1011.24	1011.23	1011.25	1011.27	1011.21
	23	1011.25	1011.24	1011.24	1011.23	1011.24	1011.22	1011.19	1011.18	1011.15	1011.15	1011.19	1011.25	1011.21
30	0	1011.27	1011.29	1011.31	1011.30	1011.30	1011.32	1011.35	1011.40	1011.45	1011.48	1011.49	1011.51	1011.37
	1	1011.53	1011.55	1011.60	1011.59	1011.55	1011.54	1011.51	1011.42	1011.36	1011.38	1011.38	1011.33	1011.48
	2	1011.28	1011.24	1011.21	1011.18	1011.13	1011.12	1011.13	1011.11	1011.05	1010.99	1011.00	1011.06	1011.12
	3	1011.05	1010.99	1010.93	1010.91	1010.91	1010.93	1011.00	1011.07	1011.09	1011.03	1011.00	1011.02	1010.99
	4	1011.05	1011.05	1010.97	1010.90	1010.89	1010.84	1010.80	1010.86	1010.97	1011.09	1011.15	1011.16	1010.97
	5	1011.14	1011.10	1011.10	1011.14	1011.19	1011.18	1011.17	1011.19	1011.19	1011.18	1011.19	1011.20	1011.16
	6	1011.22	1011.33	1011.47	1011.55	1011.56	1011.60	1011.69	1011.79	1011.85	1011.90	1011.93	1011.98	1011.65
	7	1012.03	1012.03	1011.99	1011.94	1011.92	1011.93	1011.95	1012.01	1012.08	1012.14	1012.15	1012.16	1012.03
	8	1012.14	1012.13	1012.12	1012.13	1012.16	1012.18	1012.20	1012.19	1012.16	1012.14	1012.14	1012.12	1012.15
	9	1012.12	1012.16	1012.18	1012.18	1012.18	1012.17	1012.18	1012.15	1012.10	1012.07	1012.01	1011.95	1012.12
	10	1011.92	1011.88	1011.85	1011.80	1011.74	1011.70	1011.67	1011.63	1011.58	1011.52	1011.44	1011.36	1011.67
	11	1011.26	1011.13	1011.04	1011.00	1010.97	1010.94	1010.92	1010.91	1010.87	1010.82	1010.79	1010.74	1010.95
	12	1010.65	1010.57	1010.53	1010.51	1010.48	1010.46	1010.46	1010.44	1010.44	1010.44	1010.42	1010.35	1010.48
	13	1010.30	1010.30	1010.30	1010.29	1010.27	1010.27	1010.29	1010.29	1010.29	1010.31	1010.31	1010.29	1010.29
	14	1010.26	1010.23	1010.22	1010.20	1010.14	1010.08	1010.05	1010.03	1009.99	1009.94	1009.84	1009.77	1010.06
	15	1009.75	1009.72	1009.67	1009.59	1009.57	1009.58	1009.53	1009.49	1009.47	1009.46	1009.43	1009.38	1009.55
	16	1009.34	1009.34	1009.39	1009.44	1009.44	1009.46	1009.49	1009.47	1009.48	1009.52	1009.55	1009.57	1009.46
	17	1009.55	1009.51	1009.49	1009.46	1009.45	1009.49	1009.56	1009.65	1009.81	1009.93	1009.85	1009.83	1009.63
	18	1009.86	1009.85	1009.83	1009.78	1009.79	1009.82	1009.82	1009.76	1009.72	1009.71	1009.71	1009.73	1009.78
	19	1009.74	1009.74	1009.76	1009.76	1009.71	1009.68	1009.75	1009.83	1009.81	1009.77	1009.72	1009.66	1009.74
	20	1009.60	1009.55	1009.55	1009.53	1009.47	1009.44	1009.40	1009.36	1009.27	1009.19	1009.12	1009.04	1009.37
	21	1009.00	1008.97	1008.95	1008.89	1008.82	1008.78	1008.69	1008.61	1008.62	1008.55	1008.36	1008.23	1008.70
	22	1008.18	1008.13	1008.08	1008.04	1008.00	1007.93	1007.95	1007.98	1007.93	1007.90	1007.91	1007.91	1007.99
	23	1007.91	1007.89	1007.82	1007.74	1007.70	1007.70	1007.69	1007.65	1007.59	1007.52	1007.44	1007.32	1007.66

S.V.I.R.CO. Observatory - Pressure in hectoPascal – October 2012

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	1007.14	1007.12	1007.17	1007.21	1007.14	1007.09	1007.10	1007.12	1007.09	1007.08	1007.08	1007.01	1007.11
	1	1006.94	1006.92	1006.91	1006.87	1006.81	1006.75	1006.66	1006.54	1006.46	1006.45	1006.39	1006.33	1006.67
	2	1006.30	1006.21	1006.12	1006.05	1006.04	1006.02	1005.99	1006.00	1005.98	1005.95	1005.93	1005.89	1006.04
	3	1005.85	1005.85	1005.85	1005.84	1005.79	1005.73	1005.69	1005.63	1005.61	1005.59	1005.55	1005.59	1005.71
	4	1005.66	1005.67	1005.61	1005.57	1005.54	1005.40	1005.27	1005.23	1005.14	1005.10	1005.05	1004.95	1005.35
	5	1004.87	1004.81	1004.77	1004.75	1004.75	1004.76	1004.73	1004.73	1004.77	1004.79	1004.79	1004.74	1004.77
	6	1004.66	1004.62	1004.55	1004.49	1004.45	1004.36	1004.29	1004.22	1004.15	1004.12	1004.11	1004.06	1004.34
	7	1003.94	1003.89	1003.92	1003.91	1003.82	1003.72	1003.62	1003.57	1003.52	1003.46	1003.40	1003.29	1003.67
	8	1003.17	1003.06	1002.93	1002.76	1002.62	1002.52	1002.51	1002.63	1002.60	1002.46	1002.44	1002.46	1002.68
	9	1002.41	1002.26	1002.12	1002.01	1001.86	1001.82	1001.91	1001.81	1001.68	1001.73	1001.68	1001.48	1001.90
	10	1001.31	1001.20	1001.16	1001.14	1001.06	1000.99	1000.84	1000.52	1000.35	1000.32	1000.20	1000.09	1000.76
	11	999.94	999.82	999.75	999.70	999.63	999.53	999.46	999.29	999.08	999.00	998.91	998.73	999.40
	12	998.60	998.41	998.19	998.04	997.99	997.99	997.94	997.86	997.72	997.49	997.35	997.23	997.90
	13	997.14	997.09	996.96	996.90	996.89	996.88	996.85	996.72	996.57	996.44	996.34	996.43	996.77
	14	996.42	996.30	996.25	996.14	996.01	995.93	995.85	995.75	995.61	995.47	995.43	995.39	995.88
	15	995.31	995.27	995.21	995.08	994.82	994.61	994.52	994.44	994.26	994.08	994.02	994.00	994.63
	16	994.15	994.34	994.21	993.92	993.79	993.79	993.72	993.55	993.28	993.16	993.22	993.16	993.69
	17	993.31	993.57	993.55	993.48	993.42	993.26	993.07	992.95	992.79	992.56	992.43	992.60	993.08
	18	993.00	993.21	993.18	993.10	992.97	992.84	992.72	992.62	992.55	992.50	992.45	992.38	992.79
	19	992.36	992.36	992.32	992.25	992.22	992.15	992.12	992.12	992.13	992.12	992.05	992.06	992.19
	20	992.09	992.05	992.03	992.06	992.11	992.06	991.96	991.89	991.87	991.89	991.87	991.88	991.98
	21	991.88	991.87	991.90	991.89	991.88	991.91	991.96	991.96	991.94	991.98	991.97	991.91	991.92
	22	991.87	991.84	991.82	991.82	991.81	991.77	991.76	991.77	991.77	991.73	991.60	991.45	991.75
	23	991.40	991.41	991.34	991.19	991.11	991.13	991.12	991.07	990.95	990.81	990.74	990.72	991.08



S.V.I.R.CO. Observatory - Pressure corrected data

October 2012

