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SVIRCO Prompt Report: July 2013

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: July 2013

Fabrizio Signoretti and Francesco Re

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Abstract

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

SVIRCO OBSERVATORY

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

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

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

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

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

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

Each of the 20 BF₃ proportional counters (BP-28 type) is equipped with a smart amplifier/discriminator circuit complete with a spectrum stabilizer. This new electronic unit, developed in our laboratory, holds firmly the pulse height spectrum of the amplifier output (within a range of more than 150 volts around the operating voltage), providing the counter with a great immunity against high voltage variations.

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

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

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

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

DATA PRESENTATION

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

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

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

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

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

CONDITIONS FOR SVIRCO DATA USE

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

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

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

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

Dr. Stefano Massetti
Head of SVIRCO Observatory & TPL
Istituto di Astrofisica e Planetologia Spaziali - Area di Ricerca Tor Vergata
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S.V.I.R.CO. Observatory

Rome

Italy



		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
1	0	45724	45066	44643	45003	44561	44853	45334	44569	44714	44797	44954	44581	97.635	
	1	44365	45089	44692	45005	44815	44732	44801	45002	44604	44921	45500	44834	97.559	
	2	44864	44740	45200	45012	44969	44826	44130	45338	45041	44947	44932	44713	97.622	
	3	44711	44811	44362	43997	45101	44743	44583	44831	44985	44889	44758	44422	97.166	
	4	45061	45265	44954	44496	44876	44708	44873	45153	45166	44941	44754	45023	97.724	
	5	45184	45071	44517	44987	44890	44693	44682	44779	44864	44755	44908	44766	97.510	
	6	45043	45100	44888	44886	44879	44967	44279	44998	44944	45111	45113	44522	97.626	
	7	44466	44972	45177	45882	45115	44853	44900	44882	45695	44969	45393	45975	98.268	
	8	45410	45297	44912	45664	44739	45385	45221	45526	45054	45057	45282	45608	98.427	
	9	44859	44976	45345	45542	45525	45381	45623	44815	44961	45125	45185	44937	98.268	
	10	45364	45061	45169	45560	45312	45132	45027	44907	45398	45410	45834	44923	98.417	
	11	44842	45565	45428	45561	44967	45474	45338	45571	44967	45404	45342	45846	98.636	
	12	44946	44989	45279	45661	45612	45348	45739	45007	45682	45441	45277	45410	98.652	
	13	44487	45846	45729	45005	45356	45191	45262	45026	44677	44884	45769	45633	98.375	
	14	45159	45354	45902	44788	46166	45073	44378	45770	45105	45902	44973	45330	98.563	
	15	46040	45297	45090	45112	45498	45509	45466	45404	45381	44706	45107	45180	98.542	
	16	44910	44555	45872	44921	45524	45206	45090	45553	44958	45208	45182	45011	98.216	
	17	44955	45596	45155	45147	45321	45446	44734	45038	45061	45672	44962	45212	98.272	
	18	44765	45567	45619	45424	45043	45142	45243	45225	45160	44848	44844	44828	98.165	
	19	44548	44937	45561	45401	45813	44878	45246	45435	44544	44411	45220	45515	98.129	
	20	45475	44997	45107	44939	45179	45188	44804	44998	45234	45041	45354	44541	98.011	
	21	44841	45117	44850	45529	44889	45438	44988	44722	44985	44428	45574	44697	97.866	
	22	45065	45308	45329	45365	45044	45241	44906	45235	44960	45016	44949	45426	98.190	
	23	45154	44603	45305	44812	45694	44428	44843	44261	44260	45082	44484	44859	97.454	
2	0	45501	44979	44303	44819	45127	44714	44716	45072	45606	44724	44649	44867	97.682	
	1	45511	44828	45110	44993	44991	44730	45085	44478	45233	44633	45451	45365	97.930	
	2	44808	45082	45287	44645	44520	44214	45509	45150	45108	45361	44595	45069	97.738	
	3	45285	44885	44697	44839	44785	44873	44745	44981	45331	44630	44743	44977	97.633	
	4	45061	44965	44921	44763	45225	45318	44901	44957	45003	44854	45743	44784	97.945	
	5	44689	45010	44778	45425	44613	44562	45047	45269	45184	45011	44994	45383	97.849	
	6	45312	45005	44779	45061	44489	44654	46148	45253	45149	44729	45461	45214	98.083	
	7	44850	45242	44982	44637	45120	44732	45418	45483	45422	44978	45516	45900	98.269	
	8	45171	45853	45308	45298	45491	45181	44704	45097	45339	44981	45523	44887	98.369	
	9	45098	45193	44880	45939	45650	44783	45003	45345	45419	45932	44746	45231	98.439	
	10	45376	45423	45463	46173	44820	45536	45120	45423	45331	45532	44981	44997	98.612	
	11	45333	45320	45066	46096	44899	45622	45486	45916	45960	44666	45608	44966	98.750	
	12	45557	45882	45111	45617	45504	45761	45449	46075	45161	45081	45620	45325	98.969	
	13	45161	45101	45280	45142	44806	45510	45462	45124	44695	45918	45802	45116	98.421	
	14	45336	45499	45246	45558	45646	45776	44992	45409	44789	46116	45377	45221	98.755	
	15	45662	44397	45670	45302	44762	44847	45615	45669	45134	45291	45246	45185	98.360	
	16	45454	44728	45809	45376	45191	45224	45364	45277	45244	45120	45776	45626	98.615	
	17	45779	44970	45397	45671	44914	45198	45234	44916	45060	44651	45433	44967	98.253	
	18	45073	45295	45678	45246	45294	44874	45049	44521	45497	45312	45928	45215	98.396	
	19	45912	45851	45198	45099	44965	45063	44679	44714	44670	44377	45427	44581	97.954	
	20	44789	45088	45327	45040	44958	44961	45040	44677	45210	45048	45048	45048	97.898	
	21														
	22														
	23	44859	45320	45232	44252	44960	44610	45436	45130	44805	44872	44648	44865	97.672	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64			
day	hh	INAF/UNIRomaTre		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	45278	45048	45209	44982	44380	45314	44342	45171	45347	45184	44050	44997			97.724
	1	44761	44726	44995	45388	45229	45091	44802	44805	44942	45540	44812	44621			97.803
	2	44622	44715	45172	45022	44989	45180	45088	44888	44524	44995	44795	44649			97.609
	3	44815	44998	44859	44838	44808	45012	44969	45030	44729	45033	45129	45076			97.728
	4	45076	44836	45009	45155	44933	45042	45172	45643	45158	45106	44943	45619			98.162
	5	45722	45347	44702	45065	45169	45205	45465	45157	45532	45429	44188	45545			98.313
	6	44634	45122	45253	45086	45189	45635	45302	45395	45675	45369	45024	44743			98.296
	7	45362	46146	45695	45617	45674	45373	44965	44817	44898	45247	44952	45035			98.541
	8	45906	45395	44948	45033	45633	44992	44836	45300	45474	45744	46203	45483			98.752
	9	45909	45350	45057	45739	45601	45998	45546	44746	46017	45219	45071	45274			98.857
	10	46055	45067	45628	45769	45544	45561	45376	45639	46161	45627	44796	45722			99.114
	11	45561	44864	45038	45328	44911	45864	46267	46177	45309	45375	45146	44914			98.717
	12	45259	45364	45598	45961	45542	45249	45409	45342	45276	44927	45283	45685			98.743
	13	44950	44939	45706	46073	45558	46059	45300	45486	46640	45386	45222	45643			99.118
	14	45379	45962	45704	45377	46593	45268	45775	45341	45349	45789	45575	45084			99.160
	15	45491	45304	44860	45349	45006	45276	45527	45143	45022	45383	45600	45579			98.497
	16	45486	44881	45377	45134	44902	45599	45087	45527	44485	45035	45355	46129			98.399
	17	45557	45222	45384	44973	45744	45257	45861	45522	45130	45334	45472	45627			98.777
	18	45887	45107	45336	44960	45145	45350	45465	44939	44952	45062	44714	45057			98.213
	19	45607	45389	44773	45676	45221	45703	44955	45108	45791	45099	45671	45332			98.640
	20	45210	45794	45128	45184	45254	45479	45622	45101	44969	44690	44872	45229			98.315
	21	44865	45447	44941	45426	45287	44628	44962	45370	45347	44587	45065	44760			97.980
	22	45180	45159	45490	44480	44689	45119	44986	44701	43938	45170	44880	44273			97.504
	23	45386	45364	45434	45065	44682	44667	44648	44846	44986	44933	45417	45555			98.033
4	0	44743	45563	45239	45699	44481	44799	44940	44823	44911	45081	44936	45287			97.951
	1	45307	44641	45182	44641	45286	45237	44398	44675	44819	44815	44442	45036			97.580
	2	45124	45232	44658	44695	45640	45034	45003	44637	45083	44401	45158	44905			97.778
	3	44881	44643	45550	44789	44780	44574	45291	44476	44745	44718	44922	44746			97.514
	4	44871	44738	44486	44881	45336	45271	45498	44900	44348	45373	44911	44213			97.643
	5	44691	45321	45174	45382	45162	45426	44825	45493	44969	45076	45590	45050			98.248
	6	45364	45200	44760	44905	44710	45551	45222	45342	45211	45109	44727	45200			98.092
	7	45682	45629	45562	44955	45515	45236	45541	45531	45004	46116	45684	45473			98.930
	8	44902	45157	45441	44846	45096	45154	45323	46050	45463	45684	45156	45633			98.563
	9	44953	45416	45675	45343	45272	44701	45241	45855	45549	44821	45327	45041			98.435
	10	45577	45427	45363	45489	45357	45230	45112	45557	45561	44893	45479	45873			98.747
	11	45601	46066	46180	45404	46088	45327	46021	45286	45219	45590	45294	45429			99.215
	12	45890	45986	45717	45277	45597	45597	45140	45473	45259	46106	44825	45936			99.088
	13	45414	45888	44981	45726	45595	45145	45040	44812	45471	44920	45035	45604			98.513
	14	45611	45475	44997	45931	45008	45150	45482	45050	45254	45438	45131	45012			98.497
	15	44984	45481	44989	44824	45160	45939	45305	44821	45800	45192	44841	45151			98.307
	16	45562	44938	44334	44513	45397	44618	45598	44732	44875	44720	44890	45038			97.713
	17	44932	44143	44833	44752	45361	44654	44381	44995	44848	44855	44504	44680			97.301
	18	44997	45033	45195	44675	44901	45026	44506	44179	44589	44652	45044	44848			97.429
	19	44781	44494	44708	44785	44505	45171	44539	45219	45376	45142	44993	44832			97.592
	20	45078	44572	44639	44715	44937	45250	44088	44271	44507	44493	44201	43923			96.891
	21	45144	44231	45229	45271	44620	44455	44719	45423	44875	43852	45099	44426			97.374
	22	44495	44691	43727	44817	44994	44732	44430	44723	45367	44715	44724	44947			97.196
	23	44914	45563	44632	45001	44793	45036	45139	45324	44870	45195	45152	45156			97.996

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
5	0	45432	44815	44816	44906	44896	45069	45125	45093	44979	44755	44830	45189	97.836
	1	45143	44501	44569	44723	45144	44807	45088	45543	45483	45132	44623	44921	97.797
	2	44198	44401	44795	44687	44966	45477	45212	45248	45546	45102	45017	44979	97.788
	3	44520	44786	44984	45260	45270	45260	45594	45223	45965	44442	45281	44968	98.137
	4	45753	45021	44255	45038	45795	45123	45262	45012	45181	45532	44860	44979	98.184
	5	45159	44937	44457	45145	45096	45215	45372	44986	45156	45440	45621	45620	98.255
	6	45287	45797	44800	45204	45005	45661	45662	45111	45367	44790	45433	45488	98.509
	7	45310	45334	45882	45867	45795	45140	45862	45670	44602	45927	44862	45184	98.840
	8	45222	45193	46043	44892	45669	45565	45905	45708	45751	45654	45562	46121	99.176
	9	45337	45644	45281	45703	45734	45418	45546	45577	44995	45606	45340	45180	98.827
	10	45249	45789	45489	46092	45564	45464	45588	45259	45347	45593	45588	45294	99.000
	11	45302	46012	45410	45447	45574	45153	45228	45073	45255	45738	45039	45960	98.796
	12	44238	45787	45489	45355	45531	45392	45862	45451	45548	46152	45360	45346	98.855
	13	45222	45176	45079	45540	44986	45223	45298	44725	45472	44461	44996	45916	98.235
	14	45632	45042	44839	45385	45174	45215	45868	44859	44906	45105	45626	45596	98.444
	15	44750	44968	45354	45013	45172	45308	45401	45124	45302	45697	45029	44899	98.221
	16	44918	45283	45147	45296	44367	44920	44761	44878	45632	45652	45147	45063	98.048
	17	44848	44847	44047	44570	44681	44849	44764	45037	44643	44729	44400	44988	97.204
	18	44865	44756	44668	44198	44407	44001	43780	44743	44855	44637	44037	44349	96.641
	19	44891	44342	44466	44372	44775	44264	44317	44976	44191	44893	44517	44327	96.828
	20	44859	45010	44291	44539	44283	44667	44780	44780	45009	44489	44755	44835	97.185
	21	44175	44613	44846	44453	44930	44142	44154	45574	44222	44834	44669	44335	96.940
	22	45158	44522	44774	44828	44485	44883	44833	44470	44932	44375	44355	44723	97.192
	23	44616	44425	45099	44257	44677	44639	45296	45011	44322	44588	44872	45452	97.358
6	0	43918	45136	45113	44388	44702	44083	45186	44798	44848	44946	44044	44932	97.147
	1	45535	45382	45058	44653	45149	44940	45007	44784	44607	44731	44440	44312	97.602
	2	45137	44683	44392	45565	45247	44753	44964	44533	45149	45216	44468	44904	97.676
	3	44544	45114	45333	45180	44968	45230	45192	44692	45264	45104	45282	44820	97.987
	4	45187	44600	44820	44545	45243	45298	45032	44988	44760	45005	45164	44777	97.750
	5	45470	44810	44967	45848	44793	44583	45629	44861	44908	44754	44821	45337	97.997
	6	45803	45443	45320	45634	45466	45297	44652	44783	45273	45626	45252	45964	98.674
	7	44727	45849	46031	45390	45091	45364	45194	45096	45537	45136	45494	45315	98.621
	8	45466	45225	44877	45146	45099	45461	45240	45066	45101	45127	46060	44236	98.237
	9	45233	44867	44609	45499	45436	44914	45188	44498	44876	45031	45580	44508	97.899
	10	44560	45927	45693	45051	44687	44845	45175	44781	46085	45304	45020	45535	98.338
	11	44472	45305	45112	45626	45087	45180	45060	44996	44913	44731	45482	44680	97.972
	12	44995	45065	44943	44572	44702	44362	45318	45566	44784	44786	44862	45228	97.708
	13	45059	45430	45366	45433	45143	45065	45562	44780	44692	45035	45495	45289	98.282
	14	45570	45019	44830	45509	45104	44875	45519	45266	45402	46028	45747	44763	98.513
	15	45478	45698	45256	44722	45387	44490	45538	45231	45468	45199	44900	45185	98.318
	16	45690	44682	45043	45035	45150	44984	44950	45046	45010	45061	45633	45552	98.188
	17	44558	44944	45394	45345	45139	45058	44962	44965	44831	45190	44924	45386	97.982
	18	45152	44946	45105	44560	44843	44890	44494	45276	45201	45728	44649	44551	97.746
	19	45288	45196	44645	44594	45560	44680	45261	45079	44883	44918	45266	45037	97.930
	20	44751	44598	44929	44998	44752	44841	44736	45254	45756	44596	44723	44876	97.640
	21	44880	44921	44581	44840	44650	44999	44550	45078	45252	44465	44650	44968	97.463
	22	45120	44854	44427	44664	45055	45090	44883	44585	45163	44473	45095	44981	97.564
	23	44682	45069	45234	45050	44600	44544	45594	44732	44430	44920	45145	45065	97.686

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
7	0	44225	45303	44545	44811	44667	44802	44833	45159	45382	45201	44899	44813	97.607	
	1	45168	45186	44427	44495	45371	45181	45013	44540	45189	44741	44893	45295	97.765	
	2	45233	44962	45057	44972	44456	45470	44887	45087	45109	44959	44730	45020	97.845	
	3	44605	44687	45216	45672	44821	44889	44404	44630	44619	44895	44714	45235	97.563	
	4	44917	45412	45485	44716	45707	44754	44782	44897	45472	45479	44799	45512	98.206	
	5	44507	45189	44921	45342	45362	44888	44849	44512	45091	44983	44512	45026	97.707	
	6	45244	44644	44934	44717	44950	45382	44951	45005	44667	45123	44805	45455	97.834	
	7	44897	44819	45594	44786	45263	44711	44949	45959	44732	45224	44575	45164	97.978	
	8	45077	44615	45406	45141	45249	45481	44311	45317	44643	45073	44488	45094	97.836	
	9	44505	45161	45363	45321	45275	45334	45103	45214	44863	45064	44999	45346	98.136	
	10	45008	45202	44276	45238	45902	45212	45047	45089	45809	44979	45650	45094	98.310	
	11	45107	45636	45421	44923	45678	44602	45440	45260	45047	45271	45300	45536	98.440	
	12	45485	45619	45526	45885	45823	45267	45254	45424	45333	45163	45358	45436	98.865	
	13	45087	45383	45935	45475	45329	44538	45524	45211	45197	44843	45306	45199	98.405	
	14	44884	44261	44497	44276	44599	45125	45232	44938	44352	45751	44729	45373	97.497	
	15	44962	44772	44761	44930	44847	45251	44538	45346	45387	44679	44372	44743	97.600	
	16	44479	45638	44975	44516	44572	44499	44444	44805	44820	45208	45010	44637	97.422	
	17	45408	44545	44231	44600	44958	44724	45237	44199	44527	44308	44780	45479	97.311	
	18	44588	44818	45351	44562	44243	45056	44833	44355	44774	44344	44775	44309	97.132	
	19	45200	44393	44904	45005	44337	44574	44724	44773	43951	45057	44618	44886	97.208	
	20	44435	44253	44271	44815	44499	44160	44429	44447	43951	44998	44565	44860	96.711	
	21	43636	44909	44646	44371	44931	44492	44461	44831	43733	44760	44537	44307	96.699	
	22	45062	44392	44748	44034	44477	44748	44747	44320	44622	44170	44510	44456	96.820	
	23	44602	44578	44689	44420	44867	44748	44561	44654	44139	44944	44330	44720	96.996	
8	0	44886	44934	44594	44794	44819	44175	44658	44105	44518	44385	44598	44202	96.883	
	1	45375	45118	44904	44661	44910	44854	44277	44688	45209	44840	44695	44199	97.444	
	2	44267	44412	44485	44504	44362	45200	45194	44560	44793	45058	44900	44760	97.221	
	3	44793	44234	44021	44993	45309	44697	44468	44509	44675	45263	44598	44890	97.212	
	4	44411	44006	44788	44612	44510	44541	44742	44344	45330	44363	45419	44857	97.117	
	5	45095	45394	44326	45331	44340	44316	45199	45104	45030	44843	44813	44794	97.600	
	6	44931	44730	44735	45151	45207	44909	44445	44924	45541	45457	44842	44633	97.766	
	7	45457	45312	44390	45313	45159	44770	44949	45040	45500	44715	45476	45167	98.082	
	8	44872	46107	44739	44659	45587	44404	44696	45407	45393	45356	44860	45338	98.113	
	9	45464	45333	44664	44967	45583	45398	45054	44927	45066	45108	44460	44828	98.010	
	10	45421	45093	44867	45044	45658	45421	45199	45142	45477	45734	45490	45315	98.555	
	11	44978	45276	45087	44810	44929	45494	44740	44930	44889	44717	44677	45580	97.875	
	12	44787	45141	45639	44939	44892	44676	45530	44895	45326	45172	45158	44877	98.043	
	13	45205	45304	45899	44841	45316	45488	45728	44745	45132	45219	44558	44288	98.170	
	14	45231	45142	45535	44900	44842	45172	44639	45044	44501	45646	44804	45070	97.951	
	15	44948	44861	44909	45775	44564	44823	45302	45112	45939	44524	45121	44776	97.974	
	16	45381	45017	45197	44932	45078	44789	45190	45093	45210	45347	45182	44930	98.099	
	17	45559	44752	45358	44999	45188	45527	44827	45181	44658	44657	44986	45196	98.016	
	18	44947	45155	45607	45503	45075	44668	45722	45034	44680	44718	44987	44907	98.037	
	19	45265	45083	44957	44633	45248	45451	45348	45670	44980	44367	44194	44498	97.801	
	20	45078	45329	44861	44705	44955	44742	45545	44953	45419	44843	44802	44724	97.848	
	21	44888	44700	45067	45011	44902	44767	44678	44480	45386	44695	44684	45324	97.598	
	22	44296	45175	44783	44287	44600	44454	44742	45136	45353	45058	45584	44964	97.572	
	23	44745	44783	45188	44433	45274	44853	44705	44813	45287	44570	44906	44592	97.520	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
9	0	44986	44962	44632	44999	44639	44636	44755	44632	44697	44847	44540	44781	97.329	
	1	44832	44787	44768	45227	44610	44921	44858	44720	45081	44635	43955	44820	97.351	
	2	44909	44546	44498	44116	44486	44096	44520	44385	44908	44911	45006	44762	96.975	
	3	45110	44225	45210	45017	44558	44318	43930	45125	44558	44309	44917	44487	97.088	
	4	44523	44365	45459	44469	44615	45050	44525	44758	44291	44496	45009	44544	97.150	
	5	45116	44670	44618	44866	44913	44636	44992	45145	44511	44330	44265	44971	97.318	
	6	45450	44809	45085	45050	43921	45004	44754	44044	44948	44757	44799	44834	97.394	
	7	44775	45294	44460	45232	45447	45246	45389	44618	44771	44547	44531	45207	97.768	
	8	44755	44837	45281	45503	44518	44722	45366	45281	44782	44994	44767	45153	97.848	
	9	44939	44414	44834	44784	45192	44686	44830	44861	45228	44900	44709	45161	97.591	
	10	45226	45316	45606	45238	45439	45477	45786	45384	45275	45751	44565	44229	98.452	
	11	44987	45207	44687	45089	45179	44987	44972	45256	44851	45098	45246	45232	97.999	
	12	45573	44890	44745	45405	45081	45147	44652	45196	45036	45313	44732	45421	98.071	
	13	45013	45190	44969	45502	45535	45295	45301	44794	45134	44954	45160	44911	98.175	
	14	45444	44981	45598	45480	44701	45724	45011	45192	45542	45112	44846	45717	98.463	
	15	45106	45550	44891	45426	45023	45144	44738	45030	45266	45084	45082	44936	98.087	
	16	45431	44584	45373	45055	44963	44433	44846	44944	45254	45051	45575	45273	97.997	
	17	45017	45631	45277	44994	45040	45233	44543	45010	44828	45549	45330	44566	98.040	
	18	45594	44171	45282	44665	44778	44745	44733	44940	44893	45156	44962	44599	97.587	
	19	45261	45148	44370	44774	44752	44763	44274	44897	45071	44069	43928	44992	97.185	
	20	44965	44489	45087	44483	44130	44809	45141	45051	44509	45277	44080	44816	97.282	
	21	43856	44897	44783	44441	44151	44501	44041	44379	44280	44221	44231	44524	96.461	
	22	44728	44709	44485	44467	43563	44096	44637	44245	44101	44360	44732	44184	96.462	
	23	44538	44302	44405	44236	44049	43990	43920	44928	44444	44312	44539	43763	96.302	
10	0	44172	44130	45194	44632	44484	43985	44452	44948	44256	44351	44597	44755	96.754	
	1	44437	44830	44228	44638	44974	44032	44928	44815	44266	43968	44460	44895	96.853	
	2	44784	44180	44495	44724	45289	43880	44780	44475	45086	44398	44777	44889	97.087	
	3	45030	44155	44448	44780	43874	45205	44694	44114	44696	44700	44706	44629	96.955	
	4	44935	44886	44761	44588	44549	44766	44898	44959	44600	44779	45002	44693	97.387	
	5	44347	44705	44565	45167	44841	45095	44524	44698	44056	44367	44458	44928	97.086	
	6	45065	45042	45090	44745	44840	45398	45171	44602	44830	45628	45190	44554	97.884	
	7	45712	44822	44981	44748	44792	44561	45200	45429	44594	44852	45241	45022	97.847	
	8	45165	44661	45448	44589	44456	45043	44890	44690	44890	44823	45244	44296	97.529	
	9	44736	44997	44771	44789	45081	43935	44823	45277	45308	45481	45145	44909	97.720	
	10	45164	44890	45426	45281	44987	45174	44899	44877	44859	44565	44465	45193	97.815	
	11	45200	44623	44814	44806	44723	44888	45286	45084	44900	44698	44732	45123	97.652	
	12	44620	44718	43940	45225	44430	45128	45028	45147	44453	45454	44795	44979	97.479	
	13	44609	44882	45000	45152	44637	44822	44940	44480	45107	44942	44978	45098	97.610	
	14	44852	45213	45351	45169	44562	44578	45427	44839	44823	44436	44880	45206	97.735	
	15	45042	44695	44932	44673	44916	44826	45023	44097	44878	44914	44845	44824	97.432	
	16	45271	44547	44739	44895	44392	44873	44423	44834	44192	44654	44657	44517	97.130	
	17	44974	44408	44761	44254	44623	44513	44597	44414	45027	44973	45069	45258	97.288	
	18	44786	44108	45090	44367	44409	44622	44762	44286	45074	44223	45422	45264	97.206	
	19	44523	44710	44756	45069	44752	45324	44722	44905	45125	44662	44347	44707	97.421	
	20	44433	44195	44522	45292	45229	44904	45176	45058	44674	45011	45297	44642	97.572	
	21	45238	44338	45076	44815	44732	44662	45072	44970	45080	44856	44751	45406	97.674	
	22	45161	45024	45168	44379	45186	45487	45261	44856	44603	44607	45651	45114	97.946	
	23	44907	45451	45004	45116	44636	44776	45061	45213	44756	45313	44396	44424	97.684	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
11	0	44699	45012	44416	45376	44564	44571	45643	44713	44891	45017	44695	44747	97.550	
	1	44900	44983	44684	44417	45085	44608	44912	44832	44502	44951	44863	45712	97.575	
	2	45356	44899	44926	44549	44841	45250	44644	45319	44942	45351	45455	44890	97.932	
	3	44102	44610	44958	44619	44290	44755	44835	45037	44802	44447	44412	44818	97.074	
	4	44803	44592	45067	45457	44683	45399	44697	44762	44584	44943	44732	45119	97.645	
	5	44562	44793	44396	44985	45006	45180	44906	44621	44958	45091	44945	45382	97.643	
	6	44734	45012	44786	44345	44534	45153	45213	44542	44675	45058	44641	45616	97.549	
	7	45155	44414	44941	45047	45067	44896	44600	44832	44463	43993	44200	44731	97.192	
	8	45021	45163	44689	45027	44476	44393	45041	44872	44817	45507	45183	44242	97.571	
	9	44381	45253	44646	45071	44605	44887	44567	45289	44666	45515	45169	45042	97.691	
	10	44843	45291	45749	44836	45061	45563	44918	45129	44827	44367	45044	44932	97.957	
	11	44754	44849	45129	45090	45352	44858	44273	44803	44999	44946	44565	45078	97.619	
	12	45209	44475	44948	45127	45236	45260	45376	44910	45138	44876	45398	44789	97.990	
	13	44885	44762	44770	45088	45538	44446	45522	45306	44569	45400	44907	45493	97.980	
	14	44979	45125	45024	45219	45438	44916	44935	45311	44824	45467	45303	45231	98.177	
	15	44989	44453	45018	44928	44880	44492	44714	44937	44891	45317	44829	44548	97.493	
	16	44920	44527	44673	44369	44232	45113	44492	44699	44744	44411	44622	44984	97.092	
	17	44511	44912	45053	44908	45087	44310	44867	44575	44734	45039	44572	45135	97.440	
	18	45112	44685	44790	45399	44394	43720	44657	44693	44680	44566	44753	45171	97.243	
	19	44713	44747	45527	44454	45202	44682	44690	43892	45175	44841	44803	44773	97.403	
	20	44497	45068	44852	44496	44358	45212	45308	44126	44370	45117	45114	44417	97.300	
	21	44225	44698	44753	44429	44522	45438	44787	44445	45255	45150	44738	44610	97.321	
	22	44392	45153	44531	44755	44463	45503	44828	44509	44232	45301	44839	45202	97.440	
	23	44855	44439	45161	44288	44257	45425	44665	45166	44531	44229	44915	45440	97.379	
12	0	44451	44835	45345	44553	45055	44920	44929	45127	44832	45336	45515	45028	97.838	
	1	44812	44437	44900	45386	44741	44518	44883	45292	44814	44875	44741	45210	97.603	
	2	44853	44272	45234	44414	44568	45214	44659	44906	44435	45030	45310	45748	97.609	
	3	45155	45097	44916	45061	44864	44806	44794	44984	45053	45095	44797	45245	97.832	
	4	44885	45116	45182	44703	45237	44895	45806	45264	44884	45633	44534	44845	98.034	
	5	45099	45127	45370	44248	45145	45725	45172	44977	44851	44972	44945	45206	98.007	
	6	44942	45142	44999	44918	45117	44987	44901	44965	44732	44896	45060	45528	97.890	
	7	45549	44841	45615	44800	45502	45507	45396	45056	44922	44869	45193	44939	98.252	
	8	45349	44908	45150	45233	44954	45260	45026	44776	45168	44951	44318	45211	97.911	
	9	44985	44834	45623	44840	45041	44994	44665	44962	45131	45279	45031	45232	97.968	
	10	44963	44903	44817	44941	45449	44656	44698	45097	44414	45126	44699	44720	97.581	
	11	44558	44570	44484	44244	45196	44774	44396	44787	45070	44317	44846	44614	97.105	
	12	45302	44830	44873	45210	44305	44885	45279	44254	44727	44363	45257	45322	97.603	
	13	44914	45054	45114	44774	44696	45639	45023	44846	45075	44960	44351	44879	97.733	
	14	45035	44852	44686	44513	45290	44470	44935	44558	44314	45731	44847	44571	97.457	
	15	45130	45031	44951	44593	44873	45219	44204	44876	44773	45156	44654	45606	97.687	
	16	44395	44671	44718	44446	44852	45212	45000	44502	44565	45009	45481	44944	97.456	
	17	45644	44713	44988	44943	44453	45110	44802	45246	45128	44304	45090	44810	97.716	
	18	44317	44782	44525	45103	44411	44310	44933	44907	45177	44906	44890	44658	97.297	
	19	44839	45026	44663	44798	44322	44955	44698	44701	44503	44547	44956	44737	97.266	
	20	44494	44770	44167	44887	45481	44414	44520	44713	44327	45014	44727	45245	97.268	
	21	45113	45005	44344	44905	44833	45612	44977	44941	44640	44747	44332	44589	97.500	
	22	45147	44879	44316	44791	44515	44094	44805	44622	44229	45131	45110	44743	97.200	
	23	44990	44812	45042	44693	45057	44826	45097	44883	44711	45130	44569	44651	97.577	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
13	0	45372	44915	45426	44882	44873	44614	45277	44967	44483	44730	44402	44454	97.566	
	1	45174	44484	44634	44529	44652	44682	44288	44195	44623	45025	44890	44973	97.158	
	2	44846	44299	44831	44083	44501	44650	44570	44993	44399	44443	44449	44998	96.961	
	3	44854	44699	44752	44873	44271	45164	44545	44709	44557	44407	44691	44826	97.194	
	4	45193	44832	44043	44948	44709	44810	44900	45006	44533	45176	44252	44914	97.369	
	5	44506	44611	44229	44480	44749	44209	45006	44704	44733	44204	44404	44238	96.782	
	6	44510	44400	44545	44382	44514	44804	44054	44326	44476	45090	45068	44891	96.960	
	7	44215	44684	44781	44575	44277	44874	44369	44183	44502	44552	45243	44809	96.961	
	8	44671	44566	44641	44321	45078	44587	44118	44371	44296	43995	44598	44411	96.706	
	9	44109	44524	44298	44757	44446	44537	44355	45034	44454	44352	44208	44250	96.646	
	10	44484	44444	44186	44325	44019	43998	44594	44194	43759	44072	44491	44361	96.211	
	11	44980	44401	44663	44254	44035	44870	44373	43887	44410	44419	43798	44779	96.563	
	12	44138	43920	45286	43938	44308	43960	44478	44124	44398	44511	43635	43802	96.134	
	13	43665	44534	44737	44504	43961	44228	44068	44177	45106	44752	44075	43763	96.328	
	14	44710	44024	44063	44386	43556	43551	43995	44013	44240	44139	44099	43992	95.820	
	15	44067	43645	44087	44123	44133	43440	43826	43992	43875	44128	43623	43974	95.484	
	16	44051	44280	44175	44225	43853	43696	44613	44251	44274	43768	44525	44765	96.130	
	17	44284	43899	43850	44159	44423	44429	43146	43736	44332	44913	44338	43628	95.888	
	18	44221	44347	44233	44193	44049	44051	44215	43724	43601	43658	44028	44040	95.747	
	19	44901	44830	43964	43758	44859	44416	44473	44277	43830	44086	44435	44544	96.474	
	20	44231	44018	44086	44222	44137	44370	43700	44549	44268	43653	43860	43933	95.867	
	21	44888	44804	43452	44462	44347	44488	44493	43901	44296	44327	43762	44248	96.310	
	22	43966	44411	44085	44614	44295	44823	44354	44155	44110	44374	44561	44702	96.487	
	23	45074	44851	44241	44137	43835	43736	44262	44281	44494	44286	44883	43848	96.393	
14	0	44270	44871	44843	43548	43948	44230	44549	44206	44606	44649	44317	44548	96.513	
	1	44211	44117	44516	44500	44331	44752	45126	45104	44307	44371	44445	44663	96.849	
	2	44678	44516	44203	44705	44537	44266	44455	44441	44786	45017	45118	44677	97.022	
	3	44614	44282	45072	43968	45142	44783	45002	44754	44481	44803	44705	43891	97.040	
	4	44746	44895	44491	44782	45103	44349	44339	44800	45003	44670	45062	45202	97.392	
	5	45033	44925	44933	45450	44780	44656	44758	45126	45445	44749	44631	44823	97.730	
	6	45238	44685	44575	44884	44426	44704	44782	44665	44368	44458	44341	45260	97.201	
	7	45390	44935	44230	44427	44921	44129	45002	44458	44952	44497	44529	44649	97.152	
	8	44476	44146	44829	45175	44630	44334	44284	44649	44702	44266	44359	44703	96.869	
	9	44945	44558	43955	44170	44813	44719	44526	44483	45302	44742	44238	44223	96.891	
	10	44497	45183	45016	44436	44514	45122	44620	44362	44683	45004	45102	44338	97.290	
	11	44717	44731	44333	44762	45092	44396	44869	43722	44484	45104	44387	44788	97.019	
	12	44708	44901	44507	44295	44722	45270	44651	44775	45117	44495	44824	44688	97.304	
	13	44604	44534	44320	44413	44495	45602	44135	44136	44900	44526	45142	44899	97.078	
	14	44711	44095	45397	44920	44767	44834	44774	45340	44461	44419	44861	44063	97.247	
	15	45465	44480	45096	44906	44756	44509	45067	44411	44857	45106	44482	44667	97.457	
	16	44642	44570	45205	44788	45142	45204	45184	44542	44528	44452	44409	44521	97.346	
	17	44656	44189	44882	44703	45022	44445	45315	45101	44599	44590	44723	44882	97.332	
	18	44692	45177	45671	45014	44792	45107	45292	44726	44811	44815	44265	44012	97.561	
	19	44378	44852	43956	44856	44648	45304	44391	44729	44884	44764	44700	44679	97.156	
	20	44439	44721	44984	45223	44951	44508	44785	45428	44431	45043	44262	44498	97.362	
	21	45284	44042	44411	44977	44899	44722	45132	45041	44666	44947	45142	44775	97.500	
	22	44238	44735	45368	44659	44781	44949	44749	44378	45913	45485	44502	45045	97.638	
	23	45224	45114	44660	45090	44845	44769	45454	45067	44444	44960	44669	44561	97.649	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
15	0	45040	44665	44878	44892	45003	44972	44608	44338	44819	44954	44626	44673	97.397	
	1	45124	44681	45074	44898	44148	44963	44789	45262	44746	45203	44660	44872	97.569	
	2	44862	45132	45083	44539	44676	44930	45178	45225	44497	44188	44834	44881	97.498	
	3	44926	45153	44779	44561	44693	45297	45373	45015	45303	44472	45123	44681	97.743	
	4	45113	44470	45170	44798	45145	44975	45326	44945	44570	44995	44669	44960	97.699	
	5	44687	45013	45149	45286	45153	44988	44743	44933	45056	45339	44759	44728	97.826	
	6	44927	44999	44586	44881	44529	44982	44990	44217	44992	45661	44898	44869	97.590	
	7	45255	44814	45206	45380	44660	44580	44826	45222	44483	44643	44816	45030	97.659	
	8	44861	45436	45425	44993	44909	44636	44930	45081	44526	45603	45134	45257	97.999	
	9	45136	45121	44954	45223	44937	44651	44572	44606	45015	45104	44977	44996	97.727	
	10	44736	45161	45432	45214	44696	44879	45212	45231	44248	44709	45113	45596	97.897	
	11	45291	44597	44887	45193	45834	45942	44216	44795	45039	45258	44531	45050	97.971	
	12	45000	44866	44513	44681	45361	44690	44399	44451	45006	45106	44660	44699	97.390	
	13	45779	44935	45014	44662	44471	44761	44247	44477	44538	44193	44934	44148	97.160	
	14	44642	44411	44933	44704	44853	45516	45223	44365	45326	45051	45363	45037	97.751	
	15	44709	44997	44616	44888	45029	45146	45048	45143	45323	45023	44839	45011	97.815	
	16	44852	44469	45009	44414	44755	45046	44700	44745	44248	45275	45493	45874	97.653	
	17	44758	45396	44920	45054	44692	44746	44698	44689	44417	45311	44202	44633	97.406	
	18	45346	45244	44595	44266	45070	44996	44457	44707	44189	44544	44960	44801	97.344	
	19	44395	44656	43650	44564	44414	44708	44541	44342	44862	44965	44319	44926	96.830	
	20	44937	44917	44783	43842	44558	44782	44945	44880	44017	45000	45092	44845	97.239	
	21	44241	44954	44229	44007	44286	44870	44368	44490	44192	44672	44601	44460	96.654	
	22	44943	44761	44593	44424	44873	44072	44589	43912	44734	44729	44907	45158	97.076	
	23	44555	45581	45139	44764	45093	45632	45295	45802	44243	44349	45187	44225	97.831	
16	0	45036	44323	44977	44714	44806	44853	44525	45300	45133	45120	44703	45324	97.641	
	1	44617	44996	45185	44947	44359	44572	44991	45058	44817	45086	45904	44945	97.760	
	2	44537	44440	44243	44408	45194	44025	45060	44278	44610	44629	44676	44297	96.840	
	3	45075	44712	45020	44636	45347	44631	44985	44309	44631	45037	44402	45137	97.479	
	4	44581	45389	45002	44868	44168	45478	44716	44604	44673	45080	44685	44661	97.476	
	5	45251	44961	45300	45174	44900	44987	44195	45090	44984	44545	44745	44923	97.685	
	6	44852	45271	44573	44689	44881	44525	45315	45080	44116	45301	44492	45121	97.532	
	7	45292	45224	45193	44798	45258	44812	45031	44243	45547	45075	45249	45168	98.017	
	8	45425	45283	44181	45742	45089	45372	44799	44611	44641	45380	44910	44997	97.933	
	9	44523	44935	45003	45003	44895	44250	45220	44943	45224	44605	45343	44211	97.521	
	10	45154	45316	44898	45213	44751	45700	45142	44600	44674	45522	44737	44393	97.874	
	11	44975	44760	44267	45322	44789	45233	44715	44932	44845	44942	45394	44839	97.677	
	12	45117	44709	45052	44517	44876	44368	44888	44772	45192	44593	45345	44679	97.513	
	13	44818	45058	44700	44603	44907	44783	44398	44455	44866	45243	45232	44862	97.479	
	14	44662	45349	45020	45393	45327	45094	45026	45227	44869	44995	44653	44582	97.892	
	15	44806	45076	45060	44909	44661	44672	44602	44644	44843	44641	45238	45075	97.535	
	16	44635	45139	44854	45268	45131	44781	44872	44864	45051	45130	44685	45235	97.792	
	17	44782	44782	45463	45279	44071	45179	45316	45453	45047	44603	44867	44635	97.761	
	18	45027	45117	44985	45121	44727	45008	44787	44842	44664	44521	44690	44975	97.578	
	19	45249	45045	45121	44795	44853	45239	44617	44697	44714	45012	44689	45200	97.716	
	20	44884	45061	44887	44822	44988	45154	44853	45337	45267	44851	45407	45057	97.959	
	21	44589	44599	45382	44761	44731	45320	45003	44877	44708	45738	44720	44347	97.633	
	22	44988	44849	44401	45063	44670	44813	45181	44909	45061	45066	45354	45078	97.753	
	23	45412	44875	45503	44805	44397	44938	44964	45305	45525	44511	45156	45418	98.002	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
17	0	45352	44540	44691	45216	44874	45160	45196	45071	44332	45264	44619	45210	97.767	
	1	45467	45795	45017	44906	44917	44593	44269	44654	45665	44388	44684	44627	97.671	
	2	44245	45533	44511	45397	44414	45345	45235	45330	45344	45073	45324	45132	98.016	
	3	45298	44862	45097	44990	44930	44739	44959	44526	44792	45152	45092	45025	97.758	
	4	45145	44282	44520	44916	44996	45117	45439	45122	44570	45366	45125	45278	97.833	
	5	44701	44361	45057	44983	44547	45014	45431	45578	44393	45156	44143	45177	97.592	
	6	44929	45197	45454	44411	45313	45157	45190	45389	45422	45449	44606	44924	98.117	
	7	44897	44443	45100	44876	44847	44738	45107	45247	44893	45054	45299	45046	97.774	
	8	45845	44300	45633	44717	44613	45183	45045	44505	44826	44871	45171	44849	97.775	
	9	44934	44911	45021	44764	45302	44501	45158	45551	44769	45474	45007	45050	97.936	
	10	45144	45251	45445	44777	44539	45036	45075	45216	45169	45286	44872	44807	97.967	
	11	45452	45154	44983	44906	45868	44951	45632	45078	45139	44706	45028	45413	98.274	
	12	45276	45433	44722	44850	45178	45134	44861	45120	44974	45118	44924	45131	97.986	
	13	44828	44703	44887	45184	44696	45305	45449	44124	45393	44642	45694	45004	97.839	
	14	45299	45611	45220	45471	45230	45122	44813	44864	44743	44717	44854	45034	98.033	
	15	44448	45807	45088	44863	45356	44831	44503	44787	45579	44869	45408	45327	98.013	
	16	45389	45004	44961	44573	45141	44573	44998	45348	44647	44685	45531	44613	97.758	
	17	44979	45113	45164	44780	45643	45226	45362	44841	44514	44743	45320	45042	97.987	
	18	45614	44808	45305	45353	44741	45476	44752	46003	45542	44753	44584	45393	98.277	
	19	45425	45515	45090	45591	45496	45236	45422	45298	45363	44677	45348	45320	98.541	
	20	45198	45164	45263	45059	44733	44867	45105	44849	44855	45266	45570	45188	98.058	
	21	45896	44919	45257	45134	45575	44971	45516	44830	45017	45336	44805	45095	98.282	
	22	44987	45063	45426	45180	45114	45024	44895	45234	44822	45322	44589	44630	97.907	
	23	45562	44509	45483	44840	45023	44817	44829	45144	45729	45220	45386	45263	98.183	
18	0	44511	45012	45736	45212	44847	44684	44978	45192	45314	44625	45185	44675	97.851	
	1	44996	45513	44785	44830	44878	45312	44974	44504	44562	44817	44709	45545	97.751	
	2	44848	45139	44443	45149	44890	44753	45195	45144	45490	45397	45200	45123	97.995	
	3	45379	45604	44486	45305	45288	44661	44869	45327	45071	45017	45087	44978	98.050	
	4	45134	45104	45152	45163	45057	45032	44282	45637	44799	45046	45196	44883	97.944	
	5	44894	45608	45077	44669	44903	45443	45267	45063	45019	45161	44906	45263	98.087	
	6	45824	44998	45073	45371	45619	45303	44852	45170	44784	45047	44831	45381	98.264	
	7	45399	45218	44844	44760	44786	44762	45264	45246	44528	45136	45099	45277	97.914	
	8	44781	45175	44875	45144	44583	44461	45168	44522	45888	44891	45071	44783	97.736	
	9	45133	45685	44904	45850	44807	45397	45196	45154	44447	44858	45638	45630	98.345	
	10	44606	44835	44937	45395	44724	45797	44844	45331	44725	45033	45801	45557	98.143	
	11	45353	45139	44402	45702	44555	45446	45251	45134	44490	45848	45667	44859	98.190	
	12	45276	44757	44824	45042	44519	45031	45514	45143	45103	45076	44935	45172	97.927	
	13	44817	44706	45252	45012	45085	45563	44544	44939	44960	45241	44968	45126	97.894	
	14	44890	45332	45488	46026	45087	44945	45551	44735	44911	45663	45132	45626	98.469	
	15	45461	45544	45178	45330	44878	45167	45162	45360	45614	45105	45352	45450	98.508	
	16	45011	45593	45493	45427	45344	44980	44950	45395	45316	45135	45086	44972	98.346	
	17	45667	45545	45349	45129	44667	45103	45018	45423	44966	45724	44254	45277	98.240	
	18	45000	45639	44876	45455	45379	45342	45434	45426	45253	44851	45333	44930	98.385	
	19	45643	45302	45041	45379	44771	45358	44915	45454	44813	45376	44452	44840	98.100	
	20	45761	44300	45676	44889	45051	45375	44767	45283	45053	45232	45037	45285	98.165	
	21	44984	44882	45420	45054	44933	45054	45134	44975	44933	44766	44785	44230	97.702	
	22	45164	44931	45044	44928	44485	44929	45296	44967	45522	45154	44729	44819	97.850	
	23	44917	44903	44395	45025	44880	44816	44641	44678	44901	44598	44640	44870	97.360	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
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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	45201	44113	44476	44413	44978	45047	44878	45063	44762	45287	44231	45709	97.516	
	1	44964	45158	45073	45192	45110	44763	45360	44542	44523	44984	44803	44897	97.741	
	2	45222	45124	44234	45351	45009	45436	45053	45666	44509	45202	44975	45019	98.001	
	3	44753	45241	44973	44274	45614	45295	44962	45557	45683	45524	46110	45568	98.499	
	4	44949	45044	44933	44903	45426	45614	45301	45519	45615	45173	45464	45804	98.534	
	5	45357	45508	45966	45094	45465	45165	45513	44815	45912	45586	45538	45279	98.798	
	6	44605	45227	45991	44750	44567	44780	44738	45268	45139	45335	45427	45873	98.163	
	7	45119	45103	45877	45290	45665	45355	44969	45571	45649	45044	44686	45110	98.479	
	8	45326	45733	45027	45328	45771	45422	45482	45274	45085	44618	45384	44816	98.447	
	9	45288	45460	45406	45557	44904	45456	45591	45359	45578	45222	45100	45154	98.594	
	10	45630	44841	45673	45338	45134	44807	45484	44894	45524	45523	45333	44834	98.402	
	11	45317	45039	45113	45381	45349	44934	45641	45638	45367	45034	45710	45238	98.537	
	12	45135	45560	45363	45329	45208	45582	45698	45270	45511	45139	45778	45507	98.777	
	13	45612	46288	45233	45850	45276	45878	45416	46591	44726	45387	45509	45191	99.116	
	14	44925	45348	44907	45243	45512	45361	45446	45317	46271	45571	45726	44827	98.663	
	15	45434	45259	45231	45707	45381	45427	45392	46096	45243	45825	44914	45635	98.860	
	16	44989	45142	45580	45100	44888	45751	45244	45230	45311	46121	44858	45523	98.533	
	17	45246	45777	45863	45777	46112	45359	45691	45504	45084	45166	45115	45898	99.050	
	18	45681	44915	45430	45559	45243	45065	45208	45630	45384	45430	45115	45320	98.577	
	19	45078	45522	45067	44887	44750	45287	45579	44902	45034	45324	45075	44782	98.089	
	20	44971	45053	45021	45415	45345	45634	44761	45301	45041	45024	45472	45522	98.319	
	21	44794	45651	45085	44906	45894	45049	45197	45320	44787	45335	44763	45526	98.273	
	22	44967	45132	45067	44925	45133	45307	44778	44986	45278	45245	45370	45138	98.096	
	23	45447	45777	45222	44602	45501	44738	45162	45850	45232	45603	45342	45411	98.560	
20	0	45226	44883	45202	44908	45360	45325	45309	45336	44912	45302	44723	45541	98.222	
	1	44958	45252	45894	45238	45979	45469	46163	45700	45593	44882	45038	45535	98.889	
	2	44914	44762	45147	45153	44881	44589	45083	45816	45814	45376	44384	45082	98.037	
	3	45469	44755	44922	45430	44196	44772	45260	44861	45045	44956	45231	45218	97.877	
	4	45102	45498	45608	45208	45287	45797	45283	45122	44803	45246	45457	45017	98.477	
	5	45195	44777	45353	45260	44942	44848	44624	45279	44520	44867	45640	44740	97.864	
	6	45329	45870	45604	44954	45011	45762	45439	45469	46042	45247	44959	45250	98.750	
	7	45005	45826	45073	45243	44803	45540	45092	45303	45254	45356	45344	45034	98.376	
	8	44702	45170	45477	45329	45313	45326	45516	45911	45358	45809	45599	45754	98.809	
	9	45153	45551	44972	44981	44990	45051	45536	45834	44599	45558	45261	45139	98.331	
	10	45814	45004	45921	44793	45235	45788	45718	45254	44941	45412	45505	45736	98.784	
	11	45127	45398	45917	45078	45165	45824	45765	45933	45560	44949	45029	46024	98.901	
	12	45129	45066	45619	45767	45493	45396	45554	46101	45475	45019	45623	45836	98.957	
	13	46194	45667	45507	45559	45401	45628	45617	45685	45330	45554	45525	45313	99.120	
	14	45898	45336	45683	45571	45729	45842	45176	45398	45299	45618	46323	45636	99.217	
	15	46121	45592	46060	44927	45621	45945	45816	45151	45529	45356	46279	45180	99.229	
	16	45590	45509	44960	45034	44748	45789	45599	45597	46166	45354	45549	45151	98.770	
	17	45440	45830	45419	45613	45226	45371	45246	45343	45036	45769	45398	45686	98.830	
	18	45575	45199	45367	45461	45482	45013	45855	44984	45383	45309	45502	45577	98.709	
	19	44762	45270	45051	45140	44831	45401	44952	45760	44831	44895	45604	44965	98.121	
	20	45211	45505	45478	44868	45335	44761	45224	45059	45197	45583	45079	44979	98.269	
	21	44583	45174	45065	45072	45181	45685	45602	45202	45033	45772	45233	44798	98.290	
	22	45577	45226	45358	45565	44989	45144	45011	44676	44872	44938	45686	45309	98.282	
	23	44917	44866	45468	45122	44843	45252	44857	45316	44993	44499	45680	45671	98.125	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
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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	44849	46094	44894	45342	45418	45582	45334	45315	44603	45688	45102	45508	98.530	
	1	45160	45380	45010	45292	44979	45312	44516	44953	44857	45600	45017	44799	98.014	
	2	45340	44667	45325	45422	45180	45074	45018	44874	45252	45185	44582	45039	98.029	
	3	45182	45168	45296	45445	45099	45266	45474	45388	45566	45119	45043	45570	98.511	
	4	45586	45062	45242	45632	45432	44954	45796	45186	45118	45671	45222	45310	98.619	
	5	45374	45050	45327	45273	45173	45373	44952	44889	44505	45035	45019	45836	98.183	
	6	45270	45127	45161	45586	45114	45554	45551	45488	45270	45263	45285	44702	98.466	
	7	44678	45387	45273	45288	44959	45536	44822	45302	44863	45774	45604	46143	98.513	
	8	44953	45741	45039	45759	45526	45309	44936	44862	45512	45008	45591	45219	98.482	
	9	44785	45293	45548	45151	45190	45256	46139	45271	45457	44906	45117	45480	98.507	
	10	45045	45069	44919	46067	45563	45064	45869	45528	45488	45170	45705	45226	98.710	
	11	45569	46187	45168	45282	46012	45331	45760	45120	46148	46004	45324	45253	99.153	
	12	45330	45648	45089	45441	45815	45149	45330	46051	45408	45903	45599	44922	98.886	
	13	45281	45111	45431	45113	45492	45292	45530	45047	45285	45075	45249	45640	98.499	
	14	45319	45693	45181	45105	45387	45359	44696	45599	45708	45897	45649	44883	98.669	
	15	45153	45608	45420	45105	44689	45314	44605	44837	44927	45242	45654	45562	98.239	
	16	45316	45216	45137	45097	44593	45714	44736	45393	45799	44959	45456	45684	98.418	
	17	45173	45245	45035	45501	45367	44659	44844	44656	44870	44994	45282	45367	98.035	
	18	45176	45157	44833	45345	45176	45233	44795	44943	45240	45442	45071	44647	98.047	
	19	44855	44869	44874	44397	45292	44987	45408	45451	44624	44996	44987	45001	97.809	
	20	45495	45269	45302	45254	45371	45144	44883	44959	45054	45135	45148	45276	98.271	
	21	44729	44984	45467	45228	45419	45190	45566	45184	44558	45336	45376	45114	98.246	
	22	45285	44632	45260	44796	44907	44984	45014	45523	45190	44941	45166	45695	98.108	
	23	44744	45517	45836	44901	45301	45543	44833	45377	45155	44787	44997	45003	98.217	
22	0	45129	45511	44864	45394	45210	44918	44578	44756	44986	45410	44812	45133	97.983	
	1	44927	45322	45559	45108	45595	45209	45239	45407	46195	44717	45065	45731	98.594	
	2	45432	45499	45380	45321	45153	44344	45345	45239	45460	44583	45162	45045	98.212	
	3	44569	45049	44918	45539	44701	45440	44634	45524	44976	44745	45336	44978	97.930	
	4	45810	45373	45183	45294	45248	44985	45176	45631	45285	45052	45307	44918	98.446	
	5	45849	45158	45288	45698	45822	45727	45059	44629	45095	44767	45772	45053	98.566	
	6	45437	45448	45391	44940	44856	44816	45390	45467	44977	45197	45337	44742	98.218	
	7	45467	45146	45695	44228	45234	44817	45613	44930	45209	45154	45633	45733	98.374	
	8	46352	45489	45308	45624	45481	45906	45140	44700	44896	45198	45068	45262	98.657	
	9	44546	45046	45213	45173	45825	45640	45106	45129	45179	45216	45872	44948	98.380	
	10	45094	45212	45532	45465	45016	45488	45274	45305	45194	45304	45726	44987	98.508	
	11	45613	45199	45192	45397	45299	45416	45443	44801	45325	44818	45149	45499	98.427	
	12	45203	45446	45491	44905	45370	44666	45916	45366	44882	46029	45523	45295	98.597	
	13	44562	46124	45009	45722	45075	45154	45866	45114	44831	44706	45685	45585	98.478	
	14	45766	45382	45378	45633	45637	45011	45518	45604	45069	45643	45116	44901	98.700	
	15	45365	45571	45274	45604	45801	45208	45651	44736	45290	44814	44884	45145	98.461	
	16	44873	45215	45062	45365	45116	45351	45325	45388	45724	45034	45257	45574	98.451	
	17	44941	44724	45774	45049	44741	45137	44935	45006	44395	45714	45528	45305	98.082	
	18	45545	44854	45081	45327	44967	45080	45432	44920	44692	45278	45217	45059	98.119	
	19	45231	44600	44585	45103	44917	44960	45095	44693	45169	45400	45268	45197	97.895	
	20	44854	45054	45473	45165	45447	44670	45306	44652	45272	44909	44960	45308	98.049	
	21	45131	45285	44993	44894	45437	44800	44713	45265	44360	45344	45008	45119	97.918	
	22	45288	45709	44894	45035	44598	44884	45199	44741	45472	45227	44740	45782	98.140	
	23	45582	44486	45386	45488	44552	44777	44963	44871	45682	45610	45134	44967	98.127	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
23	0	45158	44779	44718	44978	45153	45034	45492	45762	45343	45206	45737	45637	98.396	
	1	44955	45543	45349	44717	45022	45119	45457	45373	44960	45014	44923	45216	98.154	
	2	45338	44642	45099	44982	45599	45069	45081	45373	45413	44809	45889	45285	98.323	
	3	45505	44671	45153	45273	44969	45429	45186	45508	44523	45254	45342	45229	98.226	
	4	45419	45401	45547	45790	45422	45118	45617	45425	44733	45102	45576	45644	98.725	
	5	45111	44449	45436	45270	45146	45601	44905	45114	45296	45033	44750	45621	98.170	
	6	44864	44715	45400	45210	45356	45744	45829	45564	45381	45689	45218	44877	98.553	
	7	45143	44930	45309	45288	45025	45536	44891	45468	45273	44617	45003	45154	98.152	
	8	45806	45404	45582	45815	44685	45321	45124	45228	45447	45382	45346	45446	98.687	
	9	45008	45136	45564	45247	45172	45162	45391	45736	45016	45308	44961	45850	98.499	
	10	44921	45182	44939	45328	45687	45212	45409	45162	45740	45520	45364	45285	98.535	
	11	45136	45818	45102	45513	45421	45141	45439	44745	45388	45535	45661	45510	98.655	
	12	45108	44817	44986	46116	44641	45595	45815	45818	44855	45167	46190	45519	98.694	
	13	45456	45386	45731	44639	45404	45277	45419	45656	45319	45113	44962	45539	98.562	
	14	45891	45614	45677	45294	45753	45348	45649	45677	45360	45442	45647	45687	99.131	
	15	45760	45737	45513	45445	45519	45674	45546	45418	45408	45367	45006	45239	98.876	
	16	45598	45025	45644	45573	45161	45926	44781	45215	45159	45273	45653	45363	98.648	
	17	45329	44762	45414	44606	45177	44754	44956	45273	45157	44792	45583	45293	98.054	
	18	45253	45091	45171	45408	45251	45457	45239	45201	44849	44263	45585	44908	98.159	
	19	45087	45111	45151	45139	44855	44542	44857	45150	44973	45194	45090	44486	97.790	
	20	44592	45592	44623	44974	44496	45601	45874	45469	45091	44993	45496	44947	98.172	
	21	45527	44799	44688	45685	45026	44778	44723	44846	44426	45768	45287	45458	98.039	
	22	45310	44923	44940	44997	44883	44861	45217	45755	44850	44989	45142	44870	97.989	
	23	45102	45635	45451	44425	44894	45388	45311	44896	44994	44712	45459	45181	98.118	
24	0	45135	44842	44914	45000	45296	45278	45284	45276	45018	44409	44519	45310	97.907	
	1	45307	45294	45535	45274	45839	45110	45191	45172	44955	45148	44397	44445	98.158	
	2	45578	44723	45543	45442	45300	45332	45867	45587	45609	45461	45325	45963	98.894	
	3	45611	45322	44772	45257	45458	45156	45507	44948	45393	45436	45759	44748	98.466	
	4	45660	45827	45575	44993	44952	45598	45520	45708	45130	45149	45659	44862	98.695	
	5	45393	44700	45765	45554	45112	45595	45215	45613	45080	45446	45090	45475	98.588	
	6	45163	45023	45935	45170	45319	45510	45243	45847	45028	45525	45244	45192	98.617	
	7	45498	45309	45269	44714	44551	45065	45027	45052	45441	44867	45246	45658	98.163	
	8	45495	45011	45046	45394	45154	45134	46051	45062	45416	45573	44762	45413	98.492	
	9	46042	45363	45577	45381	45474	45697	45282	45211	44951	45780	45602	45406	98.901	
	10	45165	45446	45291	45513	46114	45446	45798	45271	45399	45537	46022	45421	99.020	
	11	45600	45355	45580	44909	45022	45229	45366	45441	45762	45232	45947	45982	98.839	
	12	44701	45793	45347	46233	45684	45064	46207	45664	45323	45376	45848	45495	99.076	
	13	45915	45445	45191	45679	45220	45886	45241	44501	45252	45667	45259	45884	98.787	
	14	45541	45055	45584	44803	45086	46224	45426	45347	44765	45146	45800	45067	98.552	
	15	45957	45036	44941	45321	45406	45383	45316	45353	45547	45249	45401	45213	98.603	
	16	45189	45651	45322	44730	45484	45713	45102	45452	45615	45134	44749	44652	98.362	
	17	45251	45672	45025	45270	45305	44941	44899	45460	45555	45468	45297	45893	98.587	
	18	45006	44679	45213	45578	45319	45397	45317	44912	44803	45488	45352	45692	98.355	
	19	46054	44882	45777	44885	45675	45114	45790	45896	45429	45039	45019	45419	98.758	
	20	45385	45232	45086	44937	45333	44976	44894	44746	45284	45759	45518	44913	98.230	
	21	45358	45392	45392	45197	45650	45895	45215	45377	45413	45224	45503	45084	98.707	
	22	45289	45493	46065	45772	45350	45183	45490	45138	44796	45723	45620	45990	98.927	
	23	45914	44913	45308	45657	45000	45360	44731	45195	44850	45177	45189	45067	98.283	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
25	0	45711	45218	45295	45730	45171	45137	45083	45443	45162	45629	44424	45334	98.454	
	1	45368	45618	45403	45100	45499	45563	45449	45137	45272	45191	45276	45087	98.574	
	2	45261	44933	45611	46183	45533	44718	44897	44725	45290	45189	45519	45215	98.412	
	3	45503	44958	45137	45615	45342	45285	45660	44941	45376	45314	45527	45376	98.587	
	4	44945	44972	44857	46223	45581	45404	45412	44872	44938	45492	45640	45721	98.591	
	5	45528	44783	45496	45283	44953	45402	46237	45763	44844	45185	45948	45462	98.741	
	6	45401	45512	45412	44608	45776	45696	44914	45381	44744	45400	45331	45412	98.506	
	7	45432	45257	45458	44652	45344	45145	45132	45263	46113	45709	45538	46111	98.790	
	8	45632	45788	45844	45514	45794	45296	45841	45598	45721	45942	45380	45706	99.316	
	9	45872	46001	45774	45504	44819	45355	45224	45172	45848	45635	45388	45297	98.923	
	10	45970	45237	45122	45615	45481	45232	44767	45668	45897	45645	45245	45859	98.896	
	11	45922	45349	45564	45234	45356	45435	45640	45116	45777	44636	46117	45417	98.864	
	12	45130	45617	45586	45515	45538	45255	45015	45841	45329	45509	45751	45541	98.875	
	13	45148	45026	45049	44769	45550	45599	45817	45469	45720	45295	44946	45251	98.515	
	14	44985	45150	45527	45450	45608	45434	45504	45978	46003	45101	45223	45400	98.827	
	15	44949	45798	45693	46018	45395	45218	45403	45519	45053	45714	45636	45438	98.913	
	16	45245	45482	45188	45485	45161	46241	45359	45627	45852	45193	45282	44868	98.759	
	17	45618	45043	45903	45212	44747	45280	45084	45612	45280	45415	45348	45791	98.641	
	18	45863	44942	45618	45702	45434	45499	45577	44939	45039	45230	45745	45493	98.777	
	19	45352	45757	44928	45351	45330	45723	46039	45217	45217	46231	46254	45492	99.104	
	20	45387	45061	45367	45694	45324	45635	45856	45412	45405	45098	44947	45159	98.643	
	21	45541	45888	45897	45451	45743	45738	45412	45285	45744	45725	45074	46044	99.222	
	22	45361	45292	45097	44855	45163	45406	45260	45020	45201	45061	45494	46120	98.459	
	23	45934	45363	45196	45581	45805	45940	45570	45206	46053	45562	45163	45227	99.052	
26	0	45396	45509	46220	45332	44775	44811	44975	45725	45581	45464	45027	45498	98.637	
	1	46075	45177	45038	44881	45233	45297	45071	45302	45502	45785	45650	45212	98.621	
	2	45758	45543	45658	45304	45237	45151	45210	45307	44786	45678	45366	45054	98.590	
	3	45318	45101	44989	44484	45350	45281	45415	45039	44519	45289	45400	45170	98.101	
	4	45414	45187	45759	45024	44700	45496	45625	45483	45688	45564	46257	45160	98.826	
	5	45573	45531	45679	44898	45165	45275	45648	46144	45389	45821	45332	45048	98.853	
	6	45373	45495	45690	45076	45749	45088	45390	45509	45202	45541	45259	45816	98.796	
	7	44926	44792	45304	45317	45240	45754	45373	44872	46190	45784	45549	46105	98.800	
	8	44892	45633	45104	44616	44597	45476	45321	45449	45089	45471	45145	45148	98.207	
	9	45426	45126	45369	44915	45057	45249	45630	45375	44933	45153	44906	45164	98.273	
	10	45418	45070	45512	44736	45625	45614	45082	45652	45361	45930	45997	44933	98.749	
	11	45582	44848	45768	45431	44643	45732	44608	45440	44618	45453	45529	45338	98.398	
	12	45544	45209	45291	45521	45099	45680	45231	45757	45234	45464	45443	44909	98.650	
	13	44706	44888	46293	45567	45684	45270	45944	45264	44846	45619	45630	45605	98.819	
	14	45604	45235	45777	45406	45074	45237	45600	45228	45248	44844	45359	45207	98.547	
	15	45512	45546	45856	45285	45753	45437	45789	45304	45969	45935	45836	46058	99.356	
	16	45874	45551	45745	45817	45356	45349	45799	45708	45843	45262	44921	45001	98.984	
	17	45190	45356	45281	45905	45512	45832	45327	45066	45793	44995	45475	45503	98.804	
	18	45296	44882	45164	45537	45188	44863	45263	45307	45647	45455	44820	45573	98.399	
	19	44650	45337	45898	45504	45096	45242	45228	44958	45388	45646	45765	45662	98.648	
	20	45395	45466	44796	45678	45716	45245	44524	44990	45627	44934	45620	45425	98.475	
	21	44994	45066	44872	45775	45474	45357	45810	45254	44965	45185	45234	45291	98.450	
	22	44948	45425	45599	45757	45078	45552	45073	45828	45200	45931	45486	44624	98.671	
	23	45810	45426	45001	45286	45343	45257	45545	45086	44741	45732	44825	45554	98.509	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
27	0	44826	45677	45649	45272	45159	45822	45770	45899	45579	44962	45301	44965	98.737	
	1	45356	44844	45432	45613	45481	44922	45648	45620	45593	45777	45484	45453	98.802	
	2	45668	45454	45554	45671	45601	45324	44980	45923	45969	44940	45191	45569	98.915	
	3	45400	45028	45287	44440	45071	45339	45071	45503	45519	45080	45065	45721	98.313	
	4	46183	45137	45142	45352	45450	45672	45388	45252	45375	45554	45277	45225	98.763	
	5	45148	45932	44776	45823	44998	45059	45519	45432	45511	45298	45187	45233	98.565	
	6	45579	45419	45319	45183	45678	45258	45397	45714	45448	45143	45019	45451	98.691	
	7	45379	45621	45425	45740	45846	45081	44903	45807	45809	45766	45675	45161	98.982	
	8	44858	45181	45290	45265	45235	45463	45672	45146	45267	46056	44985	45148	98.501	
	9	44767	45265	45429	44917	45984	45515	45039	45235	45471	45777	45647	45105	98.608	
	10	45315	45236	46049	45416	45512	45307	45103	45397	45150	45162	45404	45329	98.649	
	11	46011	45560	45960	45359	45829	45700	45390	45024	45450	45303	45058	45720	99.009	
	12	45592	45041	45368	45630	45472	46110	45383	45599	45493	45008	45022	45809	98.857	
	13	45474	45313	45390	45433	45323	45673	45301	45746	45533	45297	45071	45691	98.806	
	14	45812	45579	45389	44998	45466	45413	45459	45637	45725	45872	45526	45117	98.942	
	15	45768	45168	45142	45857	45450	45537	45032	46170	45506	45521	45529	45287	98.937	
	16	45220	45533	45313	45362	45558	45301	45429	45184	45609	45295	44987	45053	98.552	
	17	45460	45291	45845	45441	45867	45265	45705	45573	44971	45744	45695	45369	98.984	
	18	45311	45340	45105	45627	45965	45773	46353	45268	45852	45694	45442	45100	99.093	
	19	44896	44891	45201	45234	44975	45376	45247	45719	45073	45532	45524	45386	98.409	
	20	45711	45255	45446	45617	45146	45605	45253	44719	45089	44686	45688	45322	98.496	
	21	45074	45663	45179	45031	45062	45422	45212	44848	45199	45494	45560	45322	98.411	
	22	45120	45819	45097	44114	44761	44782	45955	45044	45600	45477	45684	45251	98.346	
	23	45154	45918	45506	44750	45671	45714	45001	45196	44752	45613	45794	44956	98.585	
28	0	45002	45588	45172	45010	45567	45086	45249	44713	44984	44955	45259	44958	98.138	
	1	45657	45321	45422	45590	44819	44473	45090	45161	45540	45391	45022	45132	98.330	
	2	45319	45254	44731	45207	45133	45210	44768	45967	45078	45208	45381	45664	98.385	
	3	45177	44864	45486	45199	45488	45137	44855	45237	45096	45247	45123	45107	98.221	
	4	44495	45077	44727	44950	44780	45117	44863	45733	45104	45442	44448	45277	97.858	
	5	45153	45349	45081	44987	45354	45567	45114	45501	45181	45027	44771	45059	98.244	
	6	45119	44821	45774	44894	45101	44920	44612	44761	44764	44906	44894	45107	97.797	
	7	44950	44847	44836	45667	45460	45410	45385	45180	45209	45739	45651	45658	98.579	
	8	45355	45261	45513	45278	45126	45410	45086	45369	45492	44520	45220	45201	98.369	
	9	44722	45351	45220	45249	45430	45282	44897	45491	45540	45248	45621	45264	98.457	
	10	45758	45034	45305	45405	44741	45174	45175	45311	45457	45248	45179	45582	98.467	
	11	45332	44990	45426	45641	45227	45229	45311	44593	45611	45604	44863	45289	98.420	
	12	45277	44346	45832	45361	45455	45317	45661	45074	45643	44614	45272	45749	98.508	
	13	44843	45306	45701	45202	45412	45172	44809	44463	44646	45775	45372	44357	98.048	
	14	45114	45260	45232	44933	45551	45285	44019	44969	44880	44804	45410	45511	98.031	
	15	44903	45776	45053	45612	44861	45456	45480	45309	44862	45252	45014	45494	98.413	
	16	44763	44865	45584	45317	45156	45639	45406	45399	45212	45031	44847	44942	98.247	
	17	45593	45262	45402	45439	44845	45351	45150	45941	45347	45355	45859	45657	98.798	
	18	44800	45000	44982	44793	44339	45464	45879	45120	44945	45492	45192	45671	98.159	
	19	44969	44761	45208	44772	45119	44897	44891	45284	44409	44988	45363	44974	97.790	
	20	45465	44919	44585	45306	45158	45606	45954	45080	44432	45233	44496	45686	98.203	
	21	45064	45067	45031	44571	45251	44928	44846	44935	44992	44758	44968	45289	97.801	
	22	44784	44736	44783	44769	44510	45532	45202	45057	44073	45385	44813	45532	97.706	
	23	44316	44888	44553	44982	44792	44822	44456	44531	45270	44855	44974	44777	97.351	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
29	0	44503	44743	45505	43992	45308	44429	44678	45072	44385	45542	44872	45253	97.541	
	1	44659	45034	44878	44873	45326	45054	44685	45463	45205	44901	44350	44409	97.645	
	2	45389	44837	44851	44892	44763	45031	44887	45499	44854	44791	44871	44871	97.772	
	3	44855	44979	45055	44950	45218	44366	45224	45081	44584	44872	43975	44882	97.501	
	4	44217	44946	45144	44350	44831	45288	44463	45323	45706	44883	44482	44537	97.524	
	5	45069	45167	44664	44937	45092	44733	45392	44652	44872	44907	45276	45278	97.864	
	6	44785	44514	44778	44498	44951	45432	45141	44830	45144	45626	45029	44971	97.802	
	7	45339	45629	45789	45024	44359	44667	44972	45552	44862	45174	45314	44872	98.137	
	8	44747	45164	45484	45382	45092	44775	44635	45047	44308	45000	44982	45157	97.815	
	9	45181	44986	45120	44584	45436	44959	45095	44521	45686	44503	45293	45545	98.020	
	10	44663	45174	45029	44817	44890	45463	45444	44582	45335	44943	44897	44901	97.881	
	11	45353	44682	45481	45367	45073	44623	45225	45343	44751	44772	44929	44974	97.959	
	12	44993	45044	45436	44758	45821	44651	45197	44710	44288	45296	45030	45494	97.986	
	13	44179	45271	44794	45748	45357	45142	44990	44304	45173	45321	44968	44736	97.853	
	14	44737	45118	44769	45489	44422	44839	45162	45770	45290	45222	44926	45179	98.024	
	15	44463	45375	44893	45114	44950	44491	45389	44484	45036	44703	46019	45067	97.853	
	16	44548	44960	45108	45371	45495	45222	44843	45177	44370	44795	45159	44601	97.792	
	17	44439	44882	44619	44990	45221	44345	45425	44841	44064	45140	45092	44531	97.419	
	18	44474	44593	45329	44778	44823	44560	45413	45121	44795	45054	45240	44695	97.652	
	19	44167	45241	44687	44905	45183	44446	44849	44885	45424	44728	44813	44470	97.457	
	20	45348	45026	44716	45114	45032	44925	44740	45162	44427	45048	45207	44520	97.723	
	21	44652	44683	44426	44482	44483	44962	44541	45037	44406	44625	44699	44894	97.111	
	22	45037	44917	45223	45061	44756	44363	44325	44491	44698	45089	43997	44730	97.255	
	23	44450	45137	44431	44698	44681	44921	44996	45243	44386	44598	44723	44502	97.270	
30	0	44617	45029	44617	44931	45074	44498	44608	44048	45073	45001	45054	44683	97.351	
	1	44134	44909	45549	44629	44733	44511	44779	44469	44260	44364	44382	45106	97.099	
	2	44757	45175	44108	44621	45016	44306	45077	44659	45350	44963	44118	44884	97.318	
	3	44846	44443	45099	44876	44828	44755	44370	44539	45054	45300	44932	44467	97.404	
	4	44581	45280	45185	45205	44574	44878	44483	44510	45439	45101	44955	44318	97.586	
	5	45202	45133	45077	45383	45244	44782	44604	44925	45120	45358	45305	44087	97.896	
	6	45035	44272	45154	45154	44916	44796	44941	44068	45650	44707	44407	45591	97.618	
	7	44935	44753	44899	45087	45384	44960	44663	44608	45533	44276	45495	45451	97.864	
	8	44801	44870	44615	45311	44644	45274	44949	44713	45244	44631	44946	44455	97.575	
	9	44784	45347	45083	45132	45155	44846	45193	45340	45454	44285	45393	45130	98.063	
	10	44274	44735	44850	45495	45004	45172	45319	44953	45407	45583	45155	45146	98.054	
	11	45786	44750	45254	45300	45378	44881	44519	44864	45273	45345	44697	44904	98.028	
	12	45169	44890	45402	45284	45015	45149	44634	44773	45353	45120	44952	44944	97.980	
	13	45179	44829	45398	44761	44967	44823	45191	44899	45134	45362	44782	45220	97.954	
	14	44810	45129	45400	44078	44410	45307	44804	45132	44121	44749	44270	45047	97.358	
	15	44687	45191	45530	45250	44385	45607	45246	45218	45126	45050	44896	44308	97.945	
	16	44929	44905	45277	44550	44879	45195	45015	44554	45386	45195	45047	45181	97.876	
	17	44248	45358	45664	44632	45311	44943	45015	44667	44923	45605	45132	44754	97.901	
	18	45100	44939	44914	44108	44630	45353	44909	45659	44248	45476	44275	44729	97.555	
	19	45291	45374	44837	45218	45492	44510	45317	44846	45100	44858	44684	45033	97.957	
	20	45298	44567	45223	45536	45029	44974	45594	45228	44783	44790	45152	44928	98.055	
	21	44501	44071	44745	44559	44859	45240	45123	45108	45399	45986	44983	45243	97.823	
	22	45060	45059	44753	44857	45409	45303	44890	44949	44466	45011	44957	44719	97.753	
	23	44692	45071	44690	45672	45081	45279	44892	44884	45350	44583	45115	45418	97.988	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2013											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
31	0	44840	44552	44515	45198	45001	44521	44456	45238	45288	45675	44460	44703	97.571
	1	45100	45021	45252	45135	44615	45244	44349	44755	45094	44679	45088	44989	97.733
	2	44612	45122	45149	45077	44863	44665	44976	44173	44927	44806	44863	44672	97.476
	3	44990	45380	45077	45051	45212	45212	44740	45383	45063	44841	45062	44815	98.005
	4	45469	44988	44307	44497	44750	45023	44976	44486	44755	44893	44985	44971	97.511
	5	45071	45520	45194	45476	45045	45772	45006	45112	44978	45264	44902	44797	98.243
	6	45106	44586	45416	45120	45170	45074	44529	44374	45131	44873	45510	44829	97.805
	7	45189	44858	45143	44694	44875	44807	44545	44886	45178	44886	44465	44813	97.554
	8	45248	45460	45330	45438	45295	45053	45608	45584	45294	45091	45158	45262	98.548
	9	45046	45569	44378	45076	45385	45552	45406	45190	45240	45125	45484	45265	98.348
	10	45125	45442	44772	45528	45296	44987	45715	45236	45013	45480	45322	44773	98.343
	11	45951	45399	45056	44482	45401	45460	45047	44927	44590	45532	44451	45490	98.179
	12	44961	44923	45180	44981	44970	44789	44715	45141	45296	44534	44842	45138	97.759
	13	44565	44982	45047	44808	45103	44429	45884	44597	45086	45366	45160	45172	97.892
	14	45018	45473	44753	45062	45041	44895	45279	44754	45250	44243	44616	45137	97.769
	15	45012	45068	45159	44707	45288	45106	45247	45758	44966	45105	45097	45461	98.213
	16	45119	44331	44697	45685	44411	45280	45043	45120	45217	45046	44605	45363	97.841
	17	45106	44994	45006	44788	45029	44913	44731	44979	44529	44845	45670	45600	97.890
	18	45226	45328	45037	44603	45238	44806	44782	45489	44735	45095	44968	45006	97.912
	19	45311	44894	45043	45078	44552	44803	44265	44184	45605	45589	44842	45189	97.739
	20	44845	44806	45496	44648	45056	45163	44756	44851	44372	45103	45217	45207	97.769
	21	45626	45110	44661	45284	45544	44789	44411	45253	45161	44764	45225	45111	98.026
	22	45363	45020	44973	45248	45005	44592	44771	45377	44475	44673	44726	44960	97.708
	23	45349	44710	44271	45140	45353	44815	44913	45647	45027	45197	44995	44449	97.831

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1017.49	1017.49	1017.46	1017.42	1017.40	1017.38	1017.40	1017.42	1017.41	1017.37	1017.33	1017.29	1017.40
	1	1017.28	1017.29	1017.27	1017.23	1017.19	1017.13	1017.08	1017.08	1017.09	1017.09	1017.09	1017.05	1017.15
	2	1017.01	1016.99	1016.97	1017.01	1017.08	1017.13	1017.17	1017.18	1017.17	1017.18	1017.16	1017.14	1017.10
	3	1017.13	1017.11	1017.10	1017.11	1017.16	1017.23	1017.26	1017.28	1017.30	1017.33	1017.38	1017.43	1017.23
	4	1017.44	1017.45	1017.50	1017.56	1017.59	1017.60	1017.62	1017.66	1017.67	1017.70	1017.78	1017.86	1017.62
	5	1017.90	1017.91	1017.90	1017.88	1017.87	1017.89	1017.89	1017.89	1017.89	1017.88	1017.90	1017.92	1017.89
	6	1017.92	1017.93	1017.97	1018.00	1018.01	1018.02	1018.03	1018.05	1018.05	1018.04	1018.04	1018.02	1018.00
	7	1018.01	1018.03	1018.04	1018.05	1018.05	1018.03	1018.01	1017.98	1017.97	1017.96	1017.95	1017.98	1018.00
	8	1018.01	1018.02	1018.01	1018.00	1018.00	1018.03	1018.05	1018.04	1018.02	1018.03	1018.04	1018.03	1018.02
	9	1018.05	1018.05	1018.04	1018.05	1018.07	1018.08	1018.11	1018.14	1018.17	1018.18	1018.20	1018.19	1018.11
	10	1018.16	1018.15	1018.15	1018.18	1018.17	1018.14	1018.14	1018.13	1018.10	1018.07	1018.04	1018.01	1018.12
	11	1017.99	1017.99	1017.96	1017.91	1017.88	1017.87	1017.85	1017.78	1017.75	1017.75	1017.76	1017.74	1017.85
	12	1017.71	1017.68	1017.63	1017.59	1017.57	1017.54	1017.51	1017.50	1017.49	1017.47	1017.45	1017.44	1017.55
	13	1017.43	1017.44	1017.44	1017.43	1017.43	1017.45	1017.47	1017.46	1017.46	1017.48	1017.47	1017.41	1017.45
	14	1017.35	1017.33	1017.35	1017.38	1017.35	1017.34	1017.35	1017.37	1017.38	1017.35	1017.33	1017.32	1017.35
	15	1017.32	1017.35	1017.36	1017.33	1017.28	1017.25	1017.25	1017.22	1017.18	1017.18	1017.18	1017.18	1017.25
	16	1017.19	1017.21	1017.23	1017.23	1017.20	1017.19	1017.23	1017.29	1017.35	1017.37	1017.35	1017.35	1017.26
	17	1017.34	1017.32	1017.33	1017.34	1017.36	1017.38	1017.41	1017.43	1017.44	1017.43	1017.43	1017.41	1017.38
	18	1017.41	1017.43	1017.46	1017.48	1017.48	1017.49	1017.51	1017.52	1017.52	1017.50	1017.52	1017.52	1017.49
	19	1017.59	1017.62	1017.65	1017.68	1017.74	1017.80	1017.86	1017.92	1017.96	1018.01	1018.08	1018.10	1017.83
	20	1018.11	1018.11	1018.09	1018.10	1018.12	1018.11	1018.11	1018.12	1018.12	1018.12	1018.13	1018.15	1018.11
	21	1018.16	1018.16	1018.15	1018.15	1018.14	1018.13	1018.12	1018.12	1018.11	1018.10	1018.09	1018.07	1018.12
	22	1018.06	1018.05	1018.05	1018.03	1017.99	1017.98	1017.96	1017.92	1017.93	1017.94	1017.93	1017.92	1017.98
	23	1017.90	1017.87	1017.84	1017.83	1017.80	1017.75	1017.72	1017.69	1017.66	1017.61	1017.56	1017.50	1017.73
2	0	1017.42	1017.41	1017.38	1017.34	1017.28	1017.21	1017.15	1017.10	1017.09	1017.07	1017.03	1016.99	1017.19
	1	1016.99	1017.03	1017.06	1017.05	1017.05	1017.06	1017.08	1017.06	1017.01	1016.98	1016.97	1016.96	1017.02
	2	1016.97	1016.97	1016.98	1016.99	1016.99	1016.99	1016.98	1016.98	1016.98	1016.98	1017.00	1017.03	1016.98
	3	1017.04	1017.05	1017.05	1017.07	1017.10	1017.14	1017.17	1017.18	1017.19	1017.18	1017.17	1017.17	1017.12
	4	1017.20	1017.23	1017.23	1017.20	1017.19	1017.21	1017.23	1017.21	1017.19	1017.22	1017.25	1017.30	1017.22
	5	1017.33	1017.34	1017.35	1017.35	1017.39	1017.43	1017.46	1017.49	1017.53	1017.55	1017.56	1017.59	1017.45
	6	1017.60	1017.60	1017.59	1017.61	1017.64	1017.63	1017.59	1017.58	1017.58	1017.60	1017.60	1017.59	1017.60
	7	1017.58	1017.58	1017.59	1017.61	1017.59	1017.54	1017.50	1017.47	1017.44	1017.44	1017.44	1017.45	1017.52
	8	1017.45	1017.43	1017.42	1017.42	1017.39	1017.35	1017.31	1017.28	1017.25	1017.22	1017.19	1017.15	1017.32
	9	1017.15	1017.15	1017.13	1017.14	1017.13	1017.09	1017.05	1017.03	1017.00	1016.95	1016.94	1016.94	1017.06
	10	1016.96	1016.98	1016.94	1016.88	1016.87	1016.87	1016.85	1016.81	1016.75	1016.72	1016.71	1016.70	1016.84
	11	1016.69	1016.72	1016.75	1016.77	1016.75	1016.71	1016.68	1016.67	1016.68	1016.68	1016.66	1016.63	1016.70
	12	1016.60	1016.60	1016.62	1016.63	1016.60	1016.58	1016.56	1016.51	1016.48	1016.46	1016.44	1016.40	1016.54
	13	1016.38	1016.36	1016.33	1016.32	1016.29	1016.26	1016.24	1016.20	1016.17	1016.15	1016.12	1016.07	1016.24
	14	1016.04	1016.02	1016.02	1015.98	1015.96	1015.94	1015.88	1015.84	1015.83	1015.82	1015.80	1015.81	1015.91
	15	1015.81	1015.82	1015.84	1015.83	1015.81	1015.78	1015.76	1015.77	1015.76	1015.76	1015.75	1015.73	1015.78
	16	1015.72	1015.70	1015.68	1015.67	1015.68	1015.68	1015.66	1015.65	1015.65	1015.65	1015.68	1015.70	1015.67
	17	1015.72	1015.74	1015.77	1015.77	1015.76	1015.77	1015.78	1015.80	1015.83	1015.86	1015.88	1015.90	1015.80
	18	1015.90	1015.91	1015.93	1015.95	1015.97	1016.00	1016.03	1016.05	1016.08	1016.13	1016.15	1016.15	1016.02
	19	1016.17	1016.21	1016.23	1016.25	1016.29	1016.34	1016.39	1016.43	1016.46	1016.50	1016.56	1016.61	1016.37
	20	1016.64	1016.65	1016.71	1016.77	1016.77	1016.78	1016.83	1016.85	1016.87	1016.89	1016.89	1016.89	1016.79
	21													
	22													
	23	1016.63	1016.62	1016.61	1016.60	1016.58	1016.54	1016.49	1016.42	1016.35	1016.30	1016.25	1016.21	1016.46

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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
3	0	1016.15	1016.12	1016.07	1016.05	1016.03	1016.00	1015.98	1015.91	1015.84	1015.82	1015.81	1015.79	1015.95
	1	1015.74	1015.70	1015.69	1015.67	1015.63	1015.59	1015.57	1015.55	1015.52	1015.49	1015.44	1015.39	1015.58
	2	1015.40	1015.39	1015.35	1015.31	1015.30	1015.31	1015.35	1015.41	1015.42	1015.39	1015.38	1015.42	1015.37
	3	1015.45	1015.46	1015.49	1015.49	1015.46	1015.44	1015.44	1015.43	1015.44	1015.44	1015.45	1015.45	1015.45
	4	1015.45	1015.45	1015.43	1015.43	1015.46	1015.50	1015.55	1015.59	1015.61	1015.61	1015.62	1015.64	1015.53
	5	1015.64	1015.64	1015.65	1015.64	1015.64	1015.66	1015.65	1015.64	1015.63	1015.64	1015.65	1015.67	1015.64
	6	1015.70	1015.69	1015.68	1015.68	1015.67	1015.69	1015.73	1015.76	1015.79	1015.81	1015.81	1015.82	1015.73
	7	1015.82	1015.82	1015.85	1015.87	1015.85	1015.86	1015.89	1015.89	1015.88	1015.86	1015.82	1015.78	1015.85
	8	1015.79	1015.83	1015.84	1015.81	1015.75	1015.71	1015.71	1015.69	1015.65	1015.61	1015.57	1015.58	1015.71
	9	1015.60	1015.59	1015.55	1015.53	1015.52	1015.52	1015.51	1015.49	1015.48	1015.50	1015.46	1015.41	1015.51
	10	1015.44	1015.48	1015.51	1015.52	1015.54	1015.53	1015.50	1015.48	1015.44	1015.44	1015.45	1015.44	1015.48
	11	1015.43	1015.40	1015.36	1015.32	1015.29	1015.30	1015.32	1015.30	1015.29	1015.30	1015.34	1015.36	1015.33
	12	1015.33	1015.27	1015.25	1015.24	1015.20	1015.17	1015.15	1015.13	1015.09	1015.04	1015.01	1015.00	1015.15
	13	1014.98	1014.98	1014.97	1014.94	1014.93	1014.93	1014.97	1014.96	1014.93	1014.88	1014.82	1014.80	1014.92
	14	1014.79	1014.79	1014.80	1014.78	1014.78	1014.77	1014.73	1014.67	1014.63	1014.61	1014.59	1014.58	1014.71
	15	1014.55	1014.52	1014.49	1014.50	1014.53	1014.56	1014.57	1014.57	1014.58	1014.51	1014.44	1014.44	1014.52
	16	1014.47	1014.49	1014.42	1014.31	1014.26	1014.27	1014.26	1014.27	1014.29	1014.26	1014.22	1014.21	1014.31
	17	1014.24	1014.23	1014.18	1014.16	1014.14	1014.11	1014.09	1014.06	1014.03	1014.02	1014.00	1014.00	1014.10
	18	1014.01	1013.99	1014.00	1014.02	1014.05	1014.11	1014.14	1014.12	1014.06	1014.01	1013.96	1013.90	1014.03
	19	1013.91	1013.97	1013.98	1013.96	1013.99	1014.05	1014.10	1014.19	1014.32	1014.43	1014.50	1014.54	1014.16
	20	1014.52	1014.46	1014.45	1014.47	1014.43	1014.38	1014.38	1014.37	1014.34	1014.35	1014.40	1014.41	1014.41
	21	1014.41	1014.45	1014.52	1014.58	1014.63	1014.65	1014.62	1014.60	1014.59	1014.58	1014.62	1014.64	1014.57
	22	1014.62	1014.65	1014.65	1014.57	1014.54	1014.52	1014.46	1014.35	1014.26	1014.19	1014.19	1014.24	1014.43
	23	1014.29	1014.28	1014.21	1014.12	1014.02	1013.97	1013.98	1014.02	1014.07	1014.06	1013.99	1014.00	1014.08
4	0	1014.05	1014.03	1014.02	1014.03	1014.01	1014.00	1014.09	1014.24	1014.36	1014.50	1014.60	1014.56	1014.21
	1	1014.53	1014.59	1014.69	1014.72	1014.66	1014.50	1014.21	1014.10	1014.33	1014.45	1014.45	1014.49	1014.47
	2	1014.57	1014.55	1014.44	1014.36	1014.30	1014.29	1014.25	1014.24	1014.28	1014.32	1014.48	1014.70	1014.40
	3	1014.66	1014.56	1014.61	1014.60	1014.50	1014.37	1014.31	1014.36	1014.46	1014.50	1014.46	1014.43	1014.48
	4	1014.43	1014.43	1014.42	1014.43	1014.42	1014.38	1014.38	1014.39	1014.41	1014.44	1014.42	1014.41	1014.41
	5	1014.45	1014.44	1014.40	1014.37	1014.30	1014.18	1014.02	1013.81	1013.65	1013.53	1013.43	1013.29	1013.99
	6	1013.14	1013.14	1013.18	1013.32	1013.58	1013.76	1013.90	1014.02	1014.03	1014.00	1014.03	1014.12	1013.68
	7	1014.21	1014.27	1014.29	1014.30	1014.33	1014.34	1014.32	1014.32	1014.32	1014.33	1014.34	1014.33	1014.31
	8	1014.33	1014.35	1014.36	1014.38	1014.42	1014.44	1014.45	1014.45	1014.46	1014.47	1014.48	1014.48	1014.42
	9	1014.49	1014.51	1014.54	1014.58	1014.58	1014.58	1014.58	1014.59	1014.57	1014.53	1014.49	1014.47	1014.54
	10	1014.46	1014.45	1014.44	1014.45	1014.46	1014.45	1014.44	1014.43	1014.41	1014.43	1014.45	1014.42	1014.44
	11	1014.41	1014.37	1014.31	1014.28	1014.25	1014.20	1014.17	1014.17	1014.18	1014.18	1014.16	1014.13	1014.23
	12	1014.08	1014.06	1014.06	1014.07	1014.10	1014.10	1014.10	1014.10	1014.08	1014.08	1014.08	1014.06	1014.08
	13	1014.05	1014.04	1014.02	1013.99	1013.97	1013.95	1013.94	1013.94	1013.90	1013.86	1013.83	1013.83	1013.94
	14	1013.82	1013.78	1013.77	1013.76	1013.74	1013.77	1013.81	1013.81	1013.80	1013.80	1013.81	1013.82	1013.79
	15	1013.83	1013.87	1013.91	1013.95	1013.96	1013.98	1014.00	1014.00	1013.96	1013.90	1013.90	1013.90	1013.93
	16	1013.93	1013.95	1013.93	1013.98	1014.03	1014.05	1014.07	1014.15	1014.24	1014.28	1014.32	1014.43	1014.11
	17	1014.56	1014.62	1014.67	1014.78	1014.90	1015.06	1015.19	1015.32	1015.42	1015.41	1015.45	1015.48	1015.07
	18	1015.49	1015.54	1015.56	1015.57	1015.59	1015.55	1015.49	1015.48	1015.49	1015.53	1015.58	1015.62	1015.54
	19	1015.64	1015.66	1015.71	1015.75	1015.79	1015.85	1015.90	1015.97	1016.03	1016.09	1016.15	1016.20	1015.89
	20	1016.25	1016.28	1016.29	1016.33	1016.37	1016.40	1016.45	1016.53	1016.61	1016.67	1016.68	1016.66	1016.46
	21	1016.63	1016.60	1016.60	1016.60	1016.60	1016.61	1016.62	1016.61	1016.64	1016.67	1016.69	1016.72	1016.63
	22	1016.74	1016.73	1016.71	1016.69	1016.69	1016.69	1016.67	1016.63	1016.60	1016.60	1016.60	1016.57	1016.66
	23	1016.57	1016.59	1016.61	1016.61	1016.58	1016.55	1016.51	1016.50	1016.53	1016.56	1016.55	1016.53	1016.55

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1016.57	1016.55	1016.52	1016.51	1016.51	1016.52	1016.50	1016.47	1016.47	1016.46	1016.43	1016.40	1016.49
	1	1016.36	1016.32	1016.34	1016.39	1016.43	1016.39	1016.32	1016.26	1016.24	1016.22	1016.21	1016.19	1016.30
	2	1016.16	1016.13	1016.12	1016.11	1016.13	1016.15	1016.14	1016.16	1016.17	1016.16	1016.16	1016.14	1016.14
	3	1016.11	1016.12	1016.15	1016.20	1016.26	1016.26	1016.22	1016.21	1016.20	1016.20	1016.20	1016.20	1016.19
	4	1016.23	1016.24	1016.24	1016.26	1016.26	1016.23	1016.20	1016.21	1016.21	1016.23	1016.23	1016.20	1016.23
	5	1016.21	1016.24	1016.25	1016.23	1016.24	1016.29	1016.32	1016.33	1016.33	1016.33	1016.34	1016.37	1016.29
	6	1016.38	1016.40	1016.47	1016.52	1016.52	1016.53	1016.54	1016.56	1016.60	1016.64	1016.68	1016.72	1016.54
	7	1016.75	1016.76	1016.76	1016.78	1016.79	1016.78	1016.77	1016.73	1016.71	1016.71	1016.70	1016.72	1016.75
	8	1016.74	1016.72	1016.71	1016.73	1016.72	1016.73	1016.74	1016.75	1016.78	1016.81	1016.82	1016.82	1016.75
	9	1016.81	1016.78	1016.76	1016.76	1016.76	1016.76	1016.77	1016.80	1016.79	1016.76	1016.75	1016.74	1016.77
	10	1016.73	1016.74	1016.75	1016.76	1016.76	1016.74	1016.73	1016.69	1016.67	1016.68	1016.67	1016.64	1016.71
	11	1016.56	1016.51	1016.47	1016.42	1016.39	1016.36	1016.33	1016.30	1016.31	1016.31	1016.26	1016.22	1016.37
	12	1016.18	1016.14	1016.09	1016.03	1015.99	1015.98	1015.98	1015.97	1015.95	1015.90	1015.88	1015.94	1016.00
	13	1015.98	1016.00	1016.02	1015.99	1015.96	1015.95	1015.95	1015.96	1015.94	1015.89	1015.86	1015.85	1015.94
	14	1015.85	1015.84	1015.86	1015.86	1015.82	1015.82	1015.83	1015.82	1015.80	1015.77	1015.76	1015.77	1015.82
	15	1015.77	1015.77	1015.73	1015.68	1015.65	1015.65	1015.65	1015.63	1015.63	1015.66	1015.66	1015.65	1015.68
	16	1015.64	1015.64	1015.64	1015.65	1015.65	1015.65	1015.64	1015.65	1015.65	1015.65	1015.64	1015.64	1015.64
	17	1015.62	1015.58	1015.56	1015.53	1015.52	1015.52	1015.52	1015.49	1015.46	1015.47	1015.49	1015.50	1015.52
	18	1015.51	1015.49	1015.48	1015.48	1015.48	1015.48	1015.48	1015.48	1015.51	1015.58	1015.67	1015.73	1015.53
	19	1015.76	1015.81	1015.90	1015.97	1016.02	1016.10	1016.17	1016.23	1016.30	1016.40	1016.51	1016.61	1016.15
	20	1016.69	1016.77	1016.87	1016.95	1017.01	1017.06	1017.08	1017.08	1017.07	1017.10	1017.14	1017.16	1017.00
	21	1017.21	1017.26	1017.26	1017.25	1017.26	1017.27	1017.28	1017.29	1017.29	1017.29	1017.30	1017.32	1017.27
	22	1017.34	1017.37	1017.40	1017.44	1017.46	1017.48	1017.52	1017.58	1017.60	1017.58	1017.55	1017.51	1017.48
	23	1017.44	1017.37	1017.36	1017.37	1017.36	1017.34	1017.31	1017.31	1017.34	1017.35	1017.31	1017.24	1017.34
6	0	1017.16	1017.17	1017.17	1017.11	1017.07	1017.12	1017.20	1017.17	1017.10	1017.07	1017.06	1017.03	1017.11
	1	1017.00	1016.98	1016.99	1017.01	1017.05	1017.05	1017.03	1017.03	1017.00	1016.99	1017.01	1017.00	1017.01
	2	1017.01	1017.01	1016.99	1016.99	1016.99	1016.96	1016.93	1016.90	1016.91	1016.96	1016.96	1016.97	1016.96
	3	1017.00	1017.00	1017.03	1017.08	1017.11	1017.10	1017.08	1017.04	1017.01	1017.04	1017.07	1017.11	1017.05
	4	1017.17	1017.22	1017.24	1017.24	1017.28	1017.32	1017.31	1017.31	1017.32	1017.33	1017.33	1017.31	1017.28
	5	1017.29	1017.31	1017.31	1017.28	1017.26	1017.26	1017.29	1017.31	1017.32	1017.34	1017.35	1017.37	1017.31
	6	1017.41	1017.44	1017.45	1017.44	1017.45	1017.48	1017.52	1017.53	1017.57	1017.62	1017.64	1017.65	1017.51
	7	1017.66	1017.65	1017.62	1017.61	1017.60	1017.59	1017.56	1017.52	1017.50	1017.51	1017.50	1017.47	1017.56
	8	1017.45	1017.42	1017.39	1017.37	1017.36	1017.33	1017.30	1017.29	1017.30	1017.31	1017.32	1017.30	1017.34
	9	1017.28	1017.29	1017.31	1017.32	1017.32	1017.31	1017.30	1017.30	1017.29	1017.24	1017.17	1017.12	1017.27
	10	1017.09	1017.07	1017.06	1017.04	1016.99	1016.95	1016.93	1016.92	1016.90	1016.87	1016.84	1016.80	1016.95
	11	1016.74	1016.67	1016.63	1016.59	1016.55	1016.54	1016.53	1016.49	1016.46	1016.42	1016.37	1016.32	1016.52
	12	1016.29	1016.24	1016.16	1016.08	1016.02	1015.97	1015.95	1015.94	1015.92	1015.92	1015.93	1015.96	1016.03
	13	1015.99	1015.97	1015.97	1015.95	1015.96	1015.98	1015.96	1015.94	1015.96	1015.98	1015.91	1015.86	1015.95
	14	1015.92	1016.00	1016.10	1016.35	1016.57	1016.58	1016.75	1017.05	1017.21	1017.32	1017.30	1017.30	1016.70
	15	1017.45	1017.58	1017.49	1017.13	1016.73	1016.56	1016.54	1016.54	1016.59	1016.64	1016.62	1016.56	1016.87
	16	1016.49	1016.50	1016.44	1016.35	1016.25	1016.15	1016.11	1016.08	1016.07	1016.10	1016.15	1016.16	1016.23
	17	1016.13	1016.06	1016.02	1016.03	1016.01	1015.99	1015.98	1015.96	1015.90	1015.84	1015.83	1015.83	1015.96
	18	1015.85	1015.90	1015.94	1015.94	1015.90	1015.89	1015.89	1015.88	1015.84	1015.82	1015.85	1015.91	1015.88
	19	1015.95	1015.99	1016.04	1016.11	1016.18	1016.22	1016.27	1016.32	1016.37	1016.38	1016.38	1016.39	1016.22
	20	1016.38	1016.40	1016.41	1016.43	1016.45	1016.47	1016.50	1016.54	1016.57	1016.59	1016.63	1016.65	1016.50
	21	1016.63	1016.62	1016.65	1016.63	1016.60	1016.60	1016.65	1016.65	1016.64	1016.61	1016.56	1016.54	1016.61
	22	1016.55	1016.58	1016.59	1016.64	1016.65	1016.56	1016.50	1016.52	1016.52	1016.50	1016.51	1016.51	1016.55
	23	1016.50	1016.46	1016.41	1016.40	1016.40	1016.39	1016.39	1016.39	1016.40	1016.42	1016.40	1016.34	1016.41

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
7	0	1016.24	1016.23	1016.19	1016.14	1016.11	1016.11	1016.11	1016.14	1016.18	1016.21	1016.22	1016.18	1016.17
	1	1016.14	1016.13	1016.08	1016.03	1016.02	1016.01	1015.98	1015.91	1015.87	1015.88	1015.86	1015.84	1015.98
	2	1015.81	1015.78	1015.75	1015.71	1015.70	1015.70	1015.68	1015.65	1015.62	1015.57	1015.54	1015.53	1015.67
	3	1015.54	1015.57	1015.56	1015.55	1015.60	1015.62	1015.64	1015.66	1015.69	1015.70	1015.69	1015.72	1015.63
	4	1015.74	1015.75	1015.78	1015.83	1015.85	1015.85	1015.84	1015.84	1015.87	1015.93	1016.00	1016.03	1015.86
	5	1016.04	1016.07	1016.15	1016.22	1016.25	1016.25	1016.26	1016.29	1016.29	1016.32	1016.36	1016.39	1016.24
	6	1016.41	1016.44	1016.46	1016.44	1016.41	1016.42	1016.42	1016.39	1016.38	1016.43	1016.49	1016.51	1016.43
	7	1016.51	1016.53	1016.55	1016.56	1016.57	1016.56	1016.54	1016.54	1016.56	1016.58	1016.59	1016.59	1016.56
	8	1016.62	1016.65	1016.66	1016.65	1016.66	1016.66	1016.66	1016.64	1016.61	1016.60	1016.58	1016.54	1016.63
	9	1016.54	1016.55	1016.52	1016.52	1016.54	1016.56	1016.60	1016.58	1016.54	1016.51	1016.50	1016.50	1016.54
	10	1016.50	1016.48	1016.44	1016.43	1016.43	1016.44	1016.45	1016.45	1016.44	1016.44	1016.43	1016.40	1016.44
	11	1016.38	1016.39	1016.37	1016.33	1016.32	1016.31	1016.20	1016.10	1016.05	1016.00	1015.96	1015.94	1016.19
	12	1015.91	1015.87	1015.81	1015.72	1015.63	1015.52	1015.38	1015.29	1015.30	1015.29	1015.25	1015.20	1015.51
	13	1015.12	1015.10	1015.16	1015.22	1015.29	1015.33	1015.31	1015.21	1015.17	1015.37	1015.61	1016.04	1015.32
	14	1016.67	1017.08	1017.16	1017.30	1017.35	1017.24	1017.21	1017.18	1017.13	1016.95	1016.78	1016.69	1017.06
	15	1016.55	1016.45	1016.45	1016.52	1016.62	1016.73	1016.78	1016.87	1017.10	1017.20	1017.13	1017.10	1016.79
	16	1017.13	1017.16	1017.20	1017.25	1017.30	1017.40	1017.46	1017.40	1017.31	1017.27	1017.24	1017.23	1017.28
	17	1017.20	1017.11	1017.05	1017.01	1016.94	1016.94	1017.06	1017.18	1017.29	1017.33	1017.35	1017.39	1017.15
	18	1017.38	1017.37	1017.35	1017.33	1017.33	1017.29	1017.18	1017.11	1017.10	1017.07	1017.03	1017.03	1017.21
	19	1017.07	1017.13	1017.21	1017.33	1017.39	1017.44	1017.51	1017.60	1017.65	1017.66	1017.68	1017.69	1017.45
	20	1017.67	1017.67	1017.69	1017.67	1017.61	1017.57	1017.55	1017.54	1017.55	1017.54	1017.55	1017.61	1017.60
	21	1017.66	1017.66	1017.64	1017.60	1017.63	1017.69	1017.69	1017.72	1017.77	1017.80	1017.80	1017.81	1017.70
	22	1017.81	1017.81	1017.79	1017.78	1017.81	1017.83	1017.82	1017.82	1017.83	1017.85	1017.88	1017.95	1017.83
	23	1017.97	1017.96	1017.98	1018.00	1018.00	1018.00	1018.01	1018.04	1018.06	1018.05	1017.99	1017.94	1018.00
8	0	1017.96	1017.95	1017.91	1017.87	1017.82	1017.76	1017.74	1017.74	1017.70	1017.65	1017.58	1017.54	1017.76
	1	1017.53	1017.52	1017.51	1017.51	1017.50	1017.45	1017.40	1017.36	1017.34	1017.34	1017.32	1017.29	1017.42
	2	1017.27	1017.22	1017.15	1017.11	1017.10	1017.07	1017.09	1017.12	1017.12	1017.09	1017.03	1016.98	1017.11
	3	1016.99	1017.02	1017.05	1017.05	1017.05	1017.05	1017.06	1017.09	1017.12	1017.11	1017.07	1017.06	1017.06
	4	1017.08	1017.11	1017.14	1017.19	1017.23	1017.30	1017.33	1017.31	1017.32	1017.34	1017.33	1017.33	1017.25
	5	1017.31	1017.29	1017.32	1017.39	1017.40	1017.39	1017.41	1017.41	1017.41	1017.45	1017.49	1017.50	1017.40
	6	1017.50	1017.50	1017.51	1017.52	1017.53	1017.56	1017.57	1017.54	1017.52	1017.52	1017.52	1017.53	1017.52
	7	1017.55	1017.56	1017.60	1017.67	1017.72	1017.73	1017.72	1017.71	1017.69	1017.69	1017.71	1017.74	1017.67
	8	1017.75	1017.73	1017.70	1017.68	1017.66	1017.64	1017.63	1017.63	1017.62	1017.60	1017.61	1017.61	1017.65
	9	1017.64	1017.70	1017.73	1017.71	1017.68	1017.67	1017.65	1017.65	1017.66	1017.62	1017.58	1017.57	1017.65
	10	1017.57	1017.57	1017.56	1017.55	1017.55	1017.54	1017.51	1017.49	1017.48	1017.46	1017.42	1017.37	1017.50
	11	1017.31	1017.25	1017.22	1017.18	1017.12	1017.07	1017.02	1016.99	1016.96	1016.91	1016.85	1016.74	1017.05
	12	1016.63	1016.55	1016.46	1016.38	1016.23	1016.07	1016.02	1016.04	1016.11	1016.22	1016.24	1016.15	1016.26
	13	1016.02	1015.94	1016.03	1016.13	1016.11	1016.09	1016.12	1016.26	1016.32	1016.33	1016.61	1016.89	1016.24
	14	1017.07	1017.26	1017.30	1017.30	1017.48	1017.66	1017.65	1017.55	1017.58	1017.71	1017.77	1017.70	1017.50
	15	1017.62	1017.61	1017.70	1017.82	1017.88	1017.86	1017.83	1017.84	1017.83	1017.82	1017.80	1017.75	1017.78
	16	1017.71	1017.70	1017.67	1017.67	1017.73	1017.79	1017.85	1017.88	1017.91	1018.01	1018.09	1018.10	1017.84
	17	1018.11	1018.11	1018.08	1018.05	1018.08	1018.07	1018.01	1017.99	1017.98	1017.94	1017.91	1017.90	1018.02
	18	1017.89	1017.87	1017.86	1017.80	1017.72	1017.67	1017.65	1017.62	1017.61	1017.63	1017.64	1017.62	1017.71
	19	1017.58	1017.54	1017.48	1017.42	1017.43	1017.47	1017.54	1017.62	1017.69	1017.73	1017.75	1017.77	1017.58
	20	1017.80	1017.85	1017.88	1017.89	1017.91	1017.94	1017.96	1017.97	1018.00	1018.03	1018.03	1018.02	1017.94
	21	1018.00	1018.01	1018.03	1018.02	1018.01	1018.06	1018.11	1018.13	1018.13	1018.13	1018.13	1018.14	1018.07
	22	1018.15	1018.14	1018.14	1018.16	1018.14	1018.15	1018.18	1018.18	1018.16	1018.17	1018.19	1018.18	1018.16
	23	1018.16	1018.14	1018.11	1018.08	1018.05	1017.99	1017.93	1017.90	1017.89	1017.87	1017.86	1017.87	1017.98

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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	1017.84	1017.87	1017.90	1017.88	1017.85	1017.81	1017.75	1017.73	1017.73	1017.70	1017.64	1017.59	1017.77
	1	1017.59	1017.58	1017.52	1017.46	1017.45	1017.43	1017.40	1017.36	1017.33	1017.33	1017.32	1017.28	1017.42
	2	1017.26	1017.25	1017.23	1017.22	1017.22	1017.19	1017.13	1017.10	1017.15	1017.20	1017.20	1017.19	1017.19
	3	1017.16	1017.10	1017.07	1017.06	1017.05	1017.02	1017.00	1017.00	1017.01	1017.03	1017.05	1017.06	1017.05
	4	1017.04	1017.00	1016.99	1017.00	1017.03	1017.07	1017.08	1017.08	1017.07	1017.05	1017.04	1017.04	1017.04
	5	1017.04	1017.03	1017.00	1016.95	1016.93	1016.96	1016.98	1016.97	1016.96	1016.99	1016.99	1016.98	1016.98
	6	1016.96	1016.94	1016.94	1016.93	1016.90	1016.89	1016.90	1016.89	1016.88	1016.87	1016.87	1016.88	1016.90
	7	1016.90	1016.90	1016.90	1016.91	1016.89	1016.82	1016.74	1016.70	1016.68	1016.64	1016.59	1016.56	1016.77
	8	1016.53	1016.49	1016.46	1016.47	1016.48	1016.46	1016.43	1016.43	1016.45	1016.49	1016.53	1016.56	1016.48
	9	1016.58	1016.58	1016.55	1016.49	1016.45	1016.44	1016.43	1016.40	1016.36	1016.35	1016.35	1016.35	1016.44
	10	1016.32	1016.27	1016.23	1016.19	1016.13	1016.05	1016.00	1015.96	1015.91	1015.89	1015.85	1015.78	1016.05
	11	1015.73	1015.66	1015.57	1015.49	1015.41	1015.33	1015.25	1015.16	1015.06	1015.02	1014.99	1014.95	1015.30
	12	1014.94	1014.95	1014.92	1014.84	1014.77	1014.71	1014.66	1014.60	1014.52	1014.48	1014.51	1014.59	1014.71
	13	1014.62	1014.55	1014.54	1014.59	1014.59	1014.59	1014.67	1014.81	1014.90	1014.86	1014.69	1014.62	1014.67
	14	1014.76	1014.81	1014.69	1014.81	1014.95	1015.02	1015.34	1015.68	1015.70	1015.63	1015.68	1015.62	1015.22
	15	1015.64	1015.72	1015.72	1015.66	1015.58	1015.46	1015.37	1015.33	1015.29	1015.21	1015.13	1015.07	1015.43
	16	1015.02	1014.97	1014.93	1014.88	1014.79	1014.72	1014.71	1014.69	1014.66	1014.64	1014.65	1014.68	1014.78
	17	1014.73	1014.76	1014.76	1014.79	1014.87	1014.92	1014.94	1015.00	1015.02	1015.00	1014.96	1014.95	1014.89
	18	1014.94	1014.92	1014.84	1014.73	1014.66	1014.59	1014.52	1014.48	1014.43	1014.38	1014.32	1014.29	1014.59
	19	1014.25	1014.22	1014.22	1014.22	1014.21	1014.18	1014.17	1014.21	1014.27	1014.35	1014.46	1014.58	1014.28
	20	1014.66	1014.73	1014.82	1014.85	1014.78	1014.69	1014.63	1014.57	1014.50	1014.43	1014.42	1014.42	1014.62
	21	1014.40	1014.38	1014.38	1014.41	1014.45	1014.44	1014.43	1014.45	1014.46	1014.47	1014.50	1014.51	1014.44
	22	1014.50	1014.51	1014.49	1014.46	1014.46	1014.44	1014.44	1014.45	1014.42	1014.42	1014.45	1014.45	1014.45
	23	1014.42	1014.40	1014.40	1014.39	1014.32	1014.23	1014.17	1014.15	1014.19	1014.20	1014.13	1014.06	1014.25
10	0	1014.04	1014.04	1014.04	1013.99	1013.92	1013.87	1013.85	1013.78	1013.71	1013.65	1013.58	1013.53	1013.82
	1	1013.50	1013.47	1013.46	1013.48	1013.50	1013.49	1013.49	1013.49	1013.48	1013.48	1013.47	1013.45	1013.48
	2	1013.42	1013.43	1013.45	1013.43	1013.39	1013.36	1013.31	1013.26	1013.24	1013.27	1013.30	1013.30	1013.35
	3	1013.29	1013.29	1013.30	1013.34	1013.38	1013.39	1013.40	1013.39	1013.37	1013.42	1013.50	1013.55	1013.38
	4	1013.54	1013.52	1013.51	1013.49	1013.46	1013.46	1013.46	1013.49	1013.53	1013.54	1013.53	1013.46	1013.50
	5	1013.44	1013.47	1013.45	1013.46	1013.51	1013.53	1013.51	1013.48	1013.43	1013.37	1013.30	1013.26	1013.43
	6	1013.24	1013.23	1013.22	1013.20	1013.21	1013.22	1013.21	1013.20	1013.21	1013.23	1013.21	1013.15	1013.21
	7	1013.07	1013.02	1013.00	1012.98	1012.92	1012.87	1012.82	1012.76	1012.75	1012.75	1012.75	1012.77	1012.87
	8	1012.80	1012.80	1012.76	1012.73	1012.73	1012.74	1012.74	1012.73	1012.71	1012.69	1012.70	1012.68	1012.73
	9	1012.61	1012.56	1012.53	1012.49	1012.44	1012.40	1012.37	1012.35	1012.35	1012.31	1012.25	1012.22	1012.40
	10	1012.18	1012.12	1012.08	1012.04	1011.98	1011.92	1011.86	1011.79	1011.73	1011.70	1011.71	1011.69	1011.90
	11	1011.62	1011.53	1011.46	1011.37	1011.30	1011.27	1011.25	1011.22	1011.18	1011.12	1011.03	1010.96	1011.27
	12	1010.87	1010.79	1010.73	1010.64	1010.58	1010.52	1010.49	1010.49	1010.43	1010.34	1010.30	1010.27	1010.54
	13	1010.25	1010.25	1010.24	1010.25	1010.24	1010.22	1010.21	1010.22	1010.26	1010.25	1010.24	1010.30	1010.24
	14	1010.32	1010.25	1010.24	1010.27	1010.23	1010.21	1010.26	1010.31	1010.32	1010.31	1010.28	1010.23	1010.27
	15	1010.15	1010.07	1010.06	1010.00	1009.91	1009.85	1009.77	1009.80	1009.89	1010.03	1010.20	1010.23	1009.99
	16	1010.21	1010.21	1010.12	1010.07	1010.17	1010.29	1010.36	1010.42	1010.50	1010.52	1010.53	1010.60	1010.33
	17	1010.71	1010.74	1010.83	1010.99	1010.94	1010.78	1010.79	1010.86	1010.91	1011.03	1011.07	1011.00	1010.89
	18	1010.98	1010.95	1010.82	1010.67	1010.51	1010.45	1010.51	1010.57	1010.67	1010.73	1010.69	1010.70	1010.69
	19	1010.75	1010.83	1010.95	1011.11	1011.36	1011.56	1011.55	1011.46	1011.35	1011.26	1011.26	1011.28	1011.22
	20	1011.28	1011.26	1011.24	1011.20	1011.16	1011.10	1011.09	1011.10	1011.07	1011.08	1011.06	1011.00	1011.14
	21	1010.97	1010.94	1010.90	1010.88	1010.90	1010.94	1010.92	1010.89	1010.88	1010.88	1010.80	1010.76	1010.89
	22	1010.79	1010.80	1010.84	1010.91	1010.96	1010.99	1010.98	1011.01	1011.07	1011.09	1011.06	1011.06	1010.96
	23	1011.14	1011.19	1011.16	1011.13	1011.15	1011.17	1011.18	1011.18	1011.21	1011.24	1011.29	1011.31	1011.19

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1011.25	1011.25	1011.22	1011.21	1011.18	1011.10	1011.06	1011.00	1010.93	1010.88	1010.85	1010.85	1011.05
	1	1010.86	1010.90	1010.94	1010.93	1010.93	1010.93	1010.93	1010.93	1010.91	1010.89	1010.84	1010.77	1010.89
	2	1010.73	1010.66	1010.59	1010.54	1010.51	1010.49	1010.49	1010.49	1010.48	1010.49	1010.50	1010.50	1010.54
	3	1010.53	1010.54	1010.53	1010.51	1010.49	1010.49	1010.52	1010.52	1010.51	1010.54	1010.56	1010.56	1010.52
	4	1010.55	1010.52	1010.52	1010.54	1010.55	1010.58	1010.60	1010.58	1010.56	1010.58	1010.61	1010.62	1010.57
	5	1010.62	1010.61	1010.60	1010.58	1010.58	1010.59	1010.59	1010.61	1010.66	1010.69	1010.74	1010.78	1010.64
	6	1010.81	1010.83	1010.82	1010.83	1010.85	1010.86	1010.86	1010.88	1010.88	1010.88	1010.90	1010.95	1010.86
	7	1010.96	1010.95	1010.96	1010.97	1010.97	1010.94	1010.93	1010.93	1010.92	1010.90	1010.88	1010.87	1010.93
	8	1010.89	1010.92	1010.93	1010.91	1010.89	1010.92	1010.95	1010.96	1010.95	1010.92	1010.92	1010.95	1010.92
	9	1010.98	1010.98	1010.98	1010.98	1010.98	1010.98	1010.96	1010.94	1010.92	1010.88	1010.88	1010.89	1010.94
	10	1010.90	1010.91	1010.89	1010.85	1010.82	1010.81	1010.79	1010.72	1010.66	1010.64	1010.61	1010.57	1010.76
	11	1010.55	1010.53	1010.49	1010.43	1010.34	1010.21	1010.11	1010.10	1010.11	1010.17	1010.24	1010.27	1010.29
	12	1010.33	1010.37	1010.37	1010.39	1010.45	1010.49	1010.48	1010.41	1010.36	1010.30	1010.20	1010.15	1010.36
	13	1010.10	1010.09	1010.09	1010.11	1010.38	1010.73	1010.84	1010.80	1010.70	1010.62	1010.62	1010.72	1010.48
	14	1010.85	1010.90	1010.87	1010.81	1010.74	1010.75	1010.81	1010.85	1010.87	1010.92	1011.01	1011.14	1010.87
	15	1011.27	1011.34	1011.36	1011.37	1011.38	1011.37	1011.33	1011.33	1011.35	1011.38	1011.41	1011.42	1011.36
	16	1011.41	1011.38	1011.33	1011.27	1011.28	1011.25	1011.17	1011.19	1011.23	1011.27	1011.30	1011.35	1011.28
	17	1011.40	1011.38	1011.38	1011.37	1011.36	1011.34	1011.30	1011.28	1011.27	1011.27	1011.27	1011.25	1011.32
	18	1011.24	1011.27	1011.28	1011.32	1011.35	1011.33	1011.31	1011.30	1011.29	1011.25	1011.20	1011.17	1011.27
	19	1011.17	1011.18	1011.21	1011.28	1011.37	1011.46	1011.61	1011.80	1011.93	1012.03	1012.14	1012.21	1011.61
	20	1012.24	1012.27	1012.33	1012.40	1012.45	1012.50	1012.54	1012.59	1012.65	1012.68	1012.71	1012.74	1012.51
	21	1012.75	1012.75	1012.73	1012.71	1012.71	1012.73	1012.81	1012.86	1012.86	1012.89	1012.91	1012.96	1012.80
	22	1012.99	1012.99	1013.01	1012.97	1012.95	1013.00	1013.04	1013.07	1013.10	1013.14	1013.14	1013.15	1013.04
	23	1013.16	1013.11	1013.05	1013.02	1013.02	1013.04	1013.04	1013.07	1013.14	1013.16	1013.15	1013.19	1013.09
12	0	1013.21	1013.19	1013.18	1013.14	1013.07	1013.00	1012.97	1012.98	1012.95	1012.92	1012.94	1012.92	1013.03
	1	1012.89	1012.87	1012.81	1012.76	1012.76	1012.77	1012.79	1012.78	1012.76	1012.76	1012.76	1012.72	1012.78
	2	1012.69	1012.73	1012.76	1012.76	1012.76	1012.80	1012.86	1012.89	1012.93	1012.96	1013.00	1013.09	1012.85
	3	1013.16	1013.21	1013.25	1013.29	1013.32	1013.33	1013.36	1013.40	1013.43	1013.46	1013.50	1013.51	1013.35
	4	1013.55	1013.63	1013.67	1013.69	1013.78	1013.84	1013.82	1013.80	1013.81	1013.79	1013.78	1013.85	1013.75
	5	1013.90	1013.89	1013.91	1013.92	1013.95	1014.02	1014.07	1014.07	1014.07	1014.06	1014.07	1014.08	1014.00
	6	1014.09	1014.14	1014.14	1014.08	1014.06	1014.07	1014.09	1014.13	1014.15	1014.14	1014.17	1014.21	1014.12
	7	1014.21	1014.23	1014.26	1014.27	1014.29	1014.31	1014.32	1014.32	1014.36	1014.39	1014.40	1014.45	1014.31
	8	1014.50	1014.51	1014.52	1014.52	1014.53	1014.54	1014.56	1014.59	1014.61	1014.62	1014.62	1014.65	1014.56
	9	1014.69	1014.71	1014.71	1014.69	1014.67	1014.69	1014.73	1014.75	1014.73	1014.70	1014.71	1014.72	1014.71
	10	1014.72	1014.73	1014.75	1014.72	1014.68	1014.70	1014.67	1014.62	1014.59	1014.61	1014.61	1014.61	1014.67
	11	1014.62	1014.59	1014.58	1014.61	1014.64	1014.65	1014.67	1014.66	1014.63	1014.65	1014.65	1014.60	1014.63
	12	1014.58	1014.56	1014.53	1014.52	1014.51	1014.47	1014.41	1014.38	1014.40	1014.43	1014.47	1014.48	1014.47
	13	1014.43	1014.38	1014.38	1014.38	1014.33	1014.27	1014.25	1014.25	1014.25	1014.25	1014.22	1014.22	1014.30
	14	1014.19	1014.10	1013.97	1013.88	1013.85	1013.84	1013.87	1013.99	1014.07	1014.10	1014.15	1014.16	1014.01
	15	1014.13	1014.11	1014.09	1014.07	1014.04	1013.99	1013.95	1013.95	1013.98	1014.02	1014.03	1014.00	1014.03
	16	1013.96	1013.95	1013.97	1013.99	1014.00	1014.00	1014.01	1014.01	1013.98	1013.98	1014.00	1014.03	1013.99
	17	1014.09	1014.12	1014.11	1014.06	1014.02	1014.00	1014.01	1014.01	1013.99	1014.00	1014.04	1014.07	1014.04
	18	1014.11	1014.18	1014.25	1014.31	1014.35	1014.36	1014.36	1014.38	1014.38	1014.34	1014.32	1014.34	1014.30
	19	1014.39	1014.49	1014.59	1014.69	1014.80	1014.86	1014.94	1015.05	1015.15	1015.22	1015.30	1015.40	1014.90
	20	1015.49	1015.50	1015.51	1015.54	1015.54	1015.57	1015.61	1015.62	1015.62	1015.58	1015.53	1015.52	1015.55
	21	1015.50	1015.45	1015.44	1015.43	1015.44	1015.46	1015.46	1015.48	1015.49	1015.50	1015.54	1015.56	1015.48
	22	1015.54	1015.52	1015.52	1015.54	1015.52	1015.51	1015.55	1015.60	1015.61	1015.59	1015.59	1015.62	1015.56
	23	1015.64	1015.64	1015.64	1015.66	1015.65	1015.65	1015.68	1015.70	1015.68	1015.65	1015.66	1015.69	1015.66

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
13	0	1015.62	1015.63	1015.66	1015.69	1015.70	1015.67	1015.65	1015.63	1015.62	1015.64	1015.66	1015.66	1015.65
	1	1015.66	1015.66	1015.64	1015.60	1015.59	1015.62	1015.63	1015.64	1015.67	1015.68	1015.69	1015.68	1015.64
	2	1015.68	1015.67	1015.63	1015.61	1015.61	1015.59	1015.53	1015.48	1015.45	1015.46	1015.48	1015.46	1015.55
	3	1015.44	1015.44	1015.48	1015.50	1015.44	1015.39	1015.42	1015.44	1015.46	1015.48	1015.48	1015.48	1015.45
	4	1015.49	1015.47	1015.45	1015.44	1015.41	1015.40	1015.42	1015.42	1015.38	1015.33	1015.35	1015.36	1015.41
	5	1015.39	1015.43	1015.44	1015.48	1015.50	1015.51	1015.52	1015.49	1015.42	1015.43	1015.50	1015.54	1015.47
	6	1015.57	1015.62	1015.65	1015.67	1015.69	1015.71	1015.72	1015.76	1015.80	1015.82	1015.85	1015.86	1015.73
	7	1015.84	1015.86	1015.91	1015.92	1015.90	1015.90	1015.93	1015.94	1015.92	1015.88	1015.84	1015.83	1015.89
	8	1015.86	1015.92	1015.96	1015.98	1016.02	1016.02	1016.00	1016.00	1016.03	1016.04	1015.99	1015.96	1015.98
	9	1015.90	1015.82	1015.80	1015.80	1015.77	1015.76	1015.75	1015.71	1015.66	1015.60	1015.58	1015.58	1015.73
	10	1015.59	1015.60	1015.61	1015.62	1015.61	1015.57	1015.51	1015.46	1015.44	1015.41	1015.38	1015.33	1015.51
	11	1015.31	1015.32	1015.33	1015.39	1015.42	1015.42	1015.40	1015.35	1015.32	1015.31	1015.30	1015.30	1015.34
	12	1015.32	1015.35	1015.38	1015.38	1015.39	1015.42	1015.44	1015.41	1015.35	1015.34	1015.38	1015.41	1015.38
	13	1015.37	1015.35	1015.40	1015.39	1015.35	1015.37	1015.43	1015.44	1015.41	1015.38	1015.35	1015.35	1015.38
	14	1015.34	1015.32	1015.34	1015.34	1015.29	1015.20	1015.16	1015.15	1015.11	1015.05	1014.99	1014.94	1015.18
	15	1014.92	1014.93	1014.91	1014.83	1014.76	1014.70	1014.67	1014.64	1014.56	1014.47	1014.38	1014.34	1014.67
	16	1014.39	1014.43	1014.42	1014.42	1014.39	1014.38	1014.40	1014.40	1014.41	1014.45	1014.48	1014.49	1014.42
	17	1014.51	1014.54	1014.58	1014.61	1014.62	1014.64	1014.62	1014.55	1014.46	1014.46	1014.55	1014.64	1014.56
	18	1014.67	1014.68	1014.68	1014.72	1014.82	1014.93	1014.96	1014.95	1014.99	1015.04	1015.09	1015.17	1014.89
	19	1015.22	1015.23	1015.26	1015.30	1015.35	1015.44	1015.49	1015.46	1015.47	1015.49	1015.47	1015.45	1015.38
	20	1015.45	1015.47	1015.49	1015.49	1015.48	1015.49	1015.49	1015.46	1015.43	1015.37	1015.29	1015.29	1015.43
	21	1015.35	1015.38	1015.39	1015.42	1015.42	1015.40	1015.42	1015.43	1015.42	1015.42	1015.42	1015.40	1015.40
	22	1015.37	1015.32	1015.31	1015.30	1015.28	1015.27	1015.27	1015.30	1015.33	1015.30	1015.27	1015.25	1015.30
	23	1015.27	1015.33	1015.41	1015.45	1015.35	1015.26	1015.28	1015.31	1015.29	1015.22	1015.16	1015.15	1015.29
14	0	1015.10	1015.09	1015.07	1015.06	1015.07	1015.11	1015.16	1015.20	1015.18	1015.15	1015.15	1015.16	1015.12
	1	1015.15	1015.15	1015.16	1015.14	1015.10	1015.11	1015.17	1015.20	1015.19	1015.19	1015.26	1015.33	1015.18
	2	1015.34	1015.36	1015.36	1015.36	1015.39	1015.43	1015.46	1015.49	1015.49	1015.46	1015.41	1015.34	1015.40
	3	1015.24	1015.21	1015.20	1015.10	1015.03	1015.04	1015.08	1015.08	1015.04	1015.04	1015.13	1015.16	1015.11
	4	1015.16	1015.17	1015.18	1015.27	1015.33	1015.26	1015.22	1015.23	1015.21	1015.18	1015.14	1015.12	1015.20
	5	1015.04	1015.00	1015.06	1015.11	1015.13	1015.10	1015.06	1015.04	1014.96	1014.87	1014.82	1014.77	1015.00
	6	1014.74	1014.76	1014.84	1014.93	1014.97	1014.96	1014.97	1015.00	1014.95	1014.87	1014.83	1014.81	1014.88
	7	1014.82	1014.83	1014.80	1014.77	1014.79	1014.85	1014.81	1014.77	1014.75	1014.73	1014.76	1014.81	1014.79
	8	1014.83	1014.80	1014.76	1014.70	1014.69	1014.74	1014.78	1014.75	1014.72	1014.72	1014.68	1014.65	1014.73
	9	1014.66	1014.69	1014.69	1014.68	1014.71	1014.74	1014.75	1014.78	1014.81	1014.81	1014.80	1014.78	1014.74
	10	1014.79	1014.79	1014.79	1014.80	1014.78	1014.73	1014.69	1014.69	1014.66	1014.59	1014.57	1014.55	1014.70
	11	1014.47	1014.38	1014.33	1014.31	1014.27	1014.23	1014.22	1014.20	1014.18	1014.21	1014.24	1014.23	1014.27
	12	1014.17	1014.13	1014.06	1013.97	1013.92	1013.89	1013.89	1013.86	1013.83	1013.82	1013.78	1013.74	1013.92
	13	1013.74	1013.71	1013.65	1013.59	1013.55	1013.57	1013.59	1013.59	1013.60	1013.59	1013.55	1013.53	1013.60
	14	1013.52	1013.49	1013.47	1013.46	1013.47	1013.45	1013.42	1013.42	1013.44	1013.41	1013.37	1013.42	1013.44
	15	1013.49	1013.47	1013.43	1013.42	1013.33	1013.33	1013.37	1013.35	1013.33	1013.27	1013.21	1013.21	1013.35
	16	1013.23	1013.20	1013.16	1013.17	1013.19	1013.19	1013.16	1013.14	1013.10	1013.08	1013.14	1013.17	1013.16
	17	1013.18	1013.16	1013.18	1013.20	1013.20	1013.23	1013.25	1013.25	1013.29	1013.33	1013.33	1013.31	1013.24
	18	1013.29	1013.30	1013.30	1013.30	1013.32	1013.34	1013.37	1013.40	1013.44	1013.49	1013.54	1013.59	1013.39
	19	1013.64	1013.71	1013.78	1013.85	1013.91	1013.96	1014.02	1014.07	1014.14	1014.22	1014.28	1014.34	1013.99
	20	1014.47	1014.61	1014.69	1014.66	1014.62	1014.66	1014.68	1014.71	1014.78	1014.78	1014.77	1014.80	1014.68
	21	1014.82	1014.87	1014.92	1015.00	1015.08	1015.15	1015.19	1015.20	1015.20	1015.20	1015.19	1015.15	1015.08
	22	1015.17	1015.22	1015.25	1015.25	1015.24	1015.24	1015.27	1015.28	1015.29	1015.29	1015.28	1015.28	1015.25
	23	1015.29	1015.30	1015.35	1015.39	1015.41	1015.43	1015.45	1015.42	1015.36	1015.34	1015.35	1015.37	1015.37

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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
15	0	1015.43	1015.43	1015.45	1015.46	1015.45	1015.45	1015.45	1015.46	1015.46	1015.46	1015.44	1015.43	1015.44
	1	1015.43	1015.42	1015.41	1015.41	1015.42	1015.42	1015.40	1015.37	1015.36	1015.35	1015.35	1015.33	1015.39
	2	1015.30	1015.29	1015.30	1015.30	1015.27	1015.21	1015.17	1015.16	1015.13	1015.11	1015.11	1015.16	1015.21
	3	1015.20	1015.19	1015.20	1015.23	1015.26	1015.29	1015.33	1015.35	1015.37	1015.38	1015.40	1015.42	1015.30
	4	1015.43	1015.48	1015.51	1015.49	1015.47	1015.46	1015.41	1015.36	1015.36	1015.39	1015.41	1015.44	1015.43
	5	1015.47	1015.48	1015.48	1015.48	1015.49	1015.50	1015.52	1015.56	1015.58	1015.62	1015.67	1015.70	1015.54
	6	1015.74	1015.77	1015.75	1015.76	1015.80	1015.85	1015.87	1015.88	1015.88	1015.87	1015.88	1015.89	1015.83
	7	1015.88	1015.88	1015.86	1015.81	1015.79	1015.80	1015.78	1015.74	1015.72	1015.70	1015.68	1015.70	1015.78
	8	1015.73	1015.76	1015.76	1015.75	1015.75	1015.74	1015.75	1015.73	1015.69	1015.69	1015.70	1015.69	1015.72
	9	1015.70	1015.72	1015.72	1015.71	1015.70	1015.69	1015.67	1015.65	1015.62	1015.60	1015.60	1015.56	1015.66
	10	1015.53	1015.52	1015.48	1015.45	1015.43	1015.42	1015.41	1015.41	1015.40	1015.41	1015.40	1015.37	1015.43
	11	1015.33	1015.28	1015.24	1015.22	1015.24	1015.28	1015.30	1015.28	1015.26	1015.26	1015.27	1015.26	1015.27
	12	1015.24	1015.21	1015.21	1015.25	1015.26	1015.21	1015.18	1015.15	1015.06	1015.01	1015.02	1015.01	1015.15
	13	1015.03	1015.06	1015.08	1015.06	1015.01	1014.97	1014.93	1014.90	1014.89	1014.95	1014.99	1014.98	1014.99
	14	1014.96	1014.95	1014.96	1014.96	1014.97	1014.96	1014.89	1014.80	1014.75	1014.70	1014.67	1014.69	1014.85
	15	1014.67	1014.63	1014.64	1014.65	1014.63	1014.64	1014.66	1014.67	1014.68	1014.68	1014.66	1014.64	1014.65
	16	1014.63	1014.60	1014.60	1014.63	1014.62	1014.62	1014.61	1014.59	1014.59	1014.59	1014.56	1014.52	1014.60
	17	1014.50	1014.48	1014.45	1014.42	1014.42	1014.43	1014.44	1014.44	1014.50	1014.57	1014.58	1014.56	1014.48
	18	1014.55	1014.56	1014.57	1014.58	1014.57	1014.56	1014.56	1014.57	1014.60	1014.64	1014.71	1014.80	1014.60
	19	1014.87	1014.94	1014.98	1015.01	1015.06	1015.14	1015.20	1015.23	1015.26	1015.29	1015.33	1015.37	1015.14
	20	1015.40	1015.44	1015.48	1015.51	1015.53	1015.54	1015.56	1015.59	1015.60	1015.60	1015.60	1015.61	1015.54
	21	1015.62	1015.62	1015.61	1015.60	1015.59	1015.59	1015.59	1015.58	1015.59	1015.62	1015.63	1015.65	1015.61
	22	1015.69	1015.71	1015.71	1015.70	1015.70	1015.71	1015.73	1015.70	1015.69	1015.71	1015.71	1015.71	1015.70
	23	1015.72	1015.75	1015.81	1015.85	1015.87	1015.88	1015.91	1015.92	1015.93	1015.93	1015.93	1015.97	1015.87
16	0	1016.05	1016.05	1016.06	1016.06	1016.05	1016.04	1016.03	1016.02	1016.03	1016.05	1016.09	1016.13	1016.05
	1	1016.15	1016.16	1016.16	1016.17	1016.17	1016.14	1016.11	1016.09	1016.09	1016.08	1016.04	1016.03	1016.11
	2	1016.03	1016.02	1016.00	1015.99	1015.99	1016.00	1016.03	1016.04	1016.06	1016.09	1016.11	1016.10	1016.04
	3	1016.11	1016.12	1016.13	1016.15	1016.17	1016.20	1016.22	1016.24	1016.27	1016.29	1016.31	1016.34	1016.21
	4	1016.34	1016.34	1016.38	1016.45	1016.54	1016.59	1016.61	1016.62	1016.64	1016.69	1016.74	1016.77	1016.56
	5	1016.77	1016.78	1016.82	1016.89	1016.96	1017.00	1017.07	1017.09	1017.09	1017.11	1017.14	1017.17	1016.99
	6	1017.18	1017.20	1017.20	1017.16	1017.17	1017.21	1017.24	1017.26	1017.29	1017.29	1017.28	1017.29	1017.23
	7	1017.33	1017.35	1017.35	1017.34	1017.36	1017.39	1017.38	1017.36	1017.37	1017.38	1017.40	1017.41	1017.37
	8	1017.42	1017.44	1017.47	1017.48	1017.49	1017.52	1017.55	1017.56	1017.55	1017.54	1017.53	1017.54	1017.50
	9	1017.55	1017.54	1017.52	1017.52	1017.52	1017.49	1017.47	1017.47	1017.45	1017.44	1017.43	1017.43	1017.48
	10	1017.43	1017.44	1017.46	1017.48	1017.50	1017.52	1017.53	1017.49	1017.45	1017.46	1017.49	1017.50	1017.48
	11	1017.50	1017.49	1017.47	1017.49	1017.52	1017.51	1017.52	1017.53	1017.53	1017.50	1017.49	1017.47	1017.50
	12	1017.45	1017.40	1017.38	1017.36	1017.29	1017.25	1017.26	1017.29	1017.28	1017.23	1017.20	1017.20	1017.30
	13	1017.20	1017.19	1017.20	1017.19	1017.18	1017.19	1017.18	1017.19	1017.22	1017.24	1017.24	1017.21	1017.20
	14	1017.21	1017.21	1017.21	1017.22	1017.21	1017.21	1017.23	1017.23	1017.23	1017.23	1017.18	1017.16	1017.21
	15	1017.13	1017.08	1017.03	1017.02	1017.04	1017.01	1016.95	1016.92	1016.88	1016.84	1016.83	1016.81	1016.96
	16	1016.75	1016.71	1016.71	1016.69	1016.65	1016.61	1016.57	1016.54	1016.53	1016.52	1016.51	1016.52	1016.61
	17	1016.55	1016.58	1016.57	1016.56	1016.56	1016.57	1016.61	1016.67	1016.72	1016.72	1016.72	1016.72	1016.63
	18	1016.69	1016.68	1016.69	1016.72	1016.78	1016.83	1016.87	1016.91	1016.95	1016.96	1016.96	1017.00	1016.83
	19	1017.03	1017.05	1017.06	1017.06	1017.08	1017.10	1017.17	1017.22	1017.24	1017.28	1017.30	1017.31	1017.16
	20	1017.35	1017.34	1017.29	1017.28	1017.31	1017.30	1017.28	1017.27	1017.25	1017.24	1017.23	1017.22	1017.28
	21	1017.25	1017.25	1017.25	1017.26	1017.26	1017.29	1017.32	1017.36	1017.39	1017.40	1017.40	1017.42	1017.32
	22	1017.44	1017.44	1017.43	1017.41	1017.37	1017.32	1017.28	1017.26	1017.24	1017.22	1017.23	1017.22	1017.32
	23	1017.18	1017.15	1017.16	1017.16	1017.14	1017.15	1017.16	1017.17	1017.17	1017.17	1017.17	1017.16	1017.16

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1017.15	1017.16	1017.17	1017.19	1017.21	1017.18	1017.13	1017.07	1017.00	1016.94	1016.90	1016.87	1017.08
	1	1016.88	1016.89	1016.86	1016.84	1016.81	1016.79	1016.76	1016.71	1016.68	1016.70	1016.71	1016.69	1016.78
	2	1016.68	1016.63	1016.56	1016.50	1016.48	1016.50	1016.48	1016.45	1016.46	1016.50	1016.53	1016.56	1016.53
	3	1016.58	1016.60	1016.61	1016.61	1016.62	1016.65	1016.68	1016.71	1016.75	1016.79	1016.83	1016.89	1016.69
	4	1016.93	1016.97	1017.03	1017.08	1017.10	1017.11	1017.13	1017.13	1017.15	1017.20	1017.24	1017.29	1017.11
	5	1017.34	1017.37	1017.39	1017.43	1017.45	1017.49	1017.54	1017.57	1017.57	1017.57	1017.59	1017.57	1017.49
	6	1017.56	1017.57	1017.58	1017.60	1017.63	1017.64	1017.61	1017.57	1017.54	1017.53	1017.51	1017.51	1017.57
	7	1017.52	1017.53	1017.56	1017.59	1017.57	1017.52	1017.48	1017.46	1017.44	1017.42	1017.39	1017.36	1017.48
	8	1017.31	1017.27	1017.27	1017.25	1017.22	1017.19	1017.15	1017.15	1017.13	1017.10	1017.08	1017.07	1017.18
	9	1017.07	1017.06	1017.04	1017.00	1016.96	1016.93	1016.91	1016.88	1016.84	1016.81	1016.76	1016.70	1016.91
	10	1016.66	1016.63	1016.58	1016.53	1016.48	1016.45	1016.44	1016.42	1016.41	1016.38	1016.33	1016.29	1016.47
	11	1016.24	1016.19	1016.18	1016.17	1016.13	1016.08	1016.05	1016.02	1016.01	1016.00	1015.96	1015.92	1016.08
	12	1015.88	1015.85	1015.82	1015.76	1015.70	1015.66	1015.63	1015.65	1015.65	1015.65	1015.66	1015.62	1015.71
	13	1015.62	1015.62	1015.58	1015.56	1015.57	1015.58	1015.57	1015.54	1015.52	1015.53	1015.52	1015.48	1015.55
	14	1015.46	1015.42	1015.41	1015.41	1015.37	1015.33	1015.31	1015.30	1015.32	1015.37	1015.40	1015.41	1015.37
	15	1015.41	1015.41	1015.42	1015.37	1015.31	1015.26	1015.18	1015.12	1015.09	1015.05	1015.01	1014.95	1015.21
	16	1014.92	1014.92	1014.91	1014.90	1014.92	1014.94	1014.93	1014.95	1015.01	1015.06	1015.10	1015.13	1014.97
	17	1015.14	1015.13	1015.10	1015.07	1015.06	1015.06	1015.06	1015.06	1015.08	1015.08	1015.06	1015.07	1015.08
	18	1015.10	1015.12	1015.15	1015.17	1015.18	1015.19	1015.18	1015.18	1015.24	1015.28	1015.31	1015.33	1015.20
	19	1015.33	1015.35	1015.39	1015.46	1015.55	1015.62	1015.68	1015.75	1015.79	1015.81	1015.81	1015.82	1015.61
	20	1015.83	1015.86	1015.87	1015.86	1015.85	1015.85	1015.84	1015.82	1015.81	1015.82	1015.85	1015.87	1015.84
	21	1015.89	1015.91	1015.92	1015.96	1016.00	1016.01	1016.04	1016.06	1016.09	1016.14	1016.15	1016.17	1016.03
	22	1016.20	1016.20	1016.22	1016.24	1016.23	1016.21	1016.20	1016.21	1016.24	1016.29	1016.33	1016.30	1016.24
	23	1016.22	1016.18	1016.17	1016.16	1016.14	1016.12	1016.13	1016.13	1016.09	1016.04	1016.00	1015.97	1016.11
18	0	1015.91	1015.91	1015.91	1015.91	1015.92	1015.93	1015.93	1015.95	1015.97	1015.94	1015.89	1015.87	1015.92
	1	1015.86	1015.84	1015.82	1015.83	1015.85	1015.86	1015.85	1015.82	1015.81	1015.79	1015.78	1015.77	1015.82
	2	1015.75	1015.75	1015.76	1015.78	1015.79	1015.78	1015.76	1015.73	1015.70	1015.67	1015.67	1015.73	1015.74
	3	1015.74	1015.73	1015.73	1015.74	1015.75	1015.76	1015.79	1015.81	1015.86	1015.92	1015.95	1015.97	1015.81
	4	1015.96	1015.97	1015.99	1015.99	1015.95	1015.94	1015.95	1015.96	1016.00	1016.02	1016.03	1016.03	1015.98
	5	1016.03	1016.04	1016.05	1016.05	1016.06	1016.11	1016.15	1016.20	1016.23	1016.25	1016.31	1016.37	1016.15
	6	1016.42	1016.43	1016.44	1016.45	1016.47	1016.50	1016.54	1016.58	1016.59	1016.59	1016.60	1016.61	1016.51
	7	1016.60	1016.60	1016.61	1016.61	1016.63	1016.65	1016.64	1016.62	1016.58	1016.54	1016.52	1016.52	1016.59
	8	1016.51	1016.53	1016.54	1016.53	1016.52	1016.53	1016.54	1016.52	1016.52	1016.49	1016.50	1016.52	1016.52
	9	1016.49	1016.48	1016.47	1016.47	1016.49	1016.46	1016.43	1016.43	1016.42	1016.39	1016.36	1016.34	1016.43
	10	1016.29	1016.25	1016.20	1016.19	1016.19	1016.17	1016.21	1016.22	1016.20	1016.21	1016.21	1016.21	1016.21
	11	1016.19	1016.18	1016.14	1016.07	1016.02	1016.02	1016.07	1016.10	1016.08	1016.03	1015.96	1015.89	1016.06
	12	1015.85	1015.80	1015.78	1015.84	1015.91	1016.10	1016.30	1016.36	1016.33	1016.28	1016.20	1016.12	1016.07
	13	1016.12	1016.20	1016.30	1016.34	1016.31	1016.19	1016.09	1016.08	1016.08	1016.04	1015.97	1015.87	1016.13
	14	1015.85	1015.93	1015.99	1016.03	1016.05	1016.06	1016.12	1016.13	1016.05	1015.98	1015.96	1015.96	1016.01
	15	1015.94	1015.90	1015.90	1015.89	1015.88	1015.97	1016.02	1015.98	1015.96	1015.94	1015.92	1015.90	1015.93
	16	1015.84	1015.79	1015.77	1015.76	1015.80	1015.87	1015.98	1016.03	1016.04	1016.07	1016.08	1016.08	1015.92
	17	1016.06	1016.00	1015.95	1015.91	1015.88	1015.83	1015.79	1015.82	1015.86	1015.84	1015.83	1015.82	1015.88
	18	1015.84	1015.94	1016.04	1016.08	1016.04	1015.99	1016.02	1016.06	1016.04	1016.06	1016.13	1016.15	1016.03
	19	1016.15	1016.20	1016.27	1016.31	1016.31	1016.31	1016.30	1016.31	1016.38	1016.46	1016.50	1016.50	1016.33
	20	1016.48	1016.49	1016.51	1016.59	1016.67	1016.69	1016.70	1016.70	1016.71	1016.71	1016.72	1016.74	1016.64
	21	1016.76	1016.77	1016.77	1016.78	1016.83	1016.88	1016.90	1016.93	1016.96	1017.00	1017.00	1016.94	1016.87
	22	1016.93	1016.92	1016.91	1016.95	1016.98	1017.02	1017.04	1017.04	1017.02	1017.03	1017.05	1017.04	1016.99
	23	1017.01	1017.00	1017.00	1016.99	1016.96	1016.93	1016.87	1016.86	1016.83	1016.77	1016.77	1016.76	1016.89

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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
19	0	1016.74	1016.73	1016.68	1016.65	1016.64	1016.59	1016.52	1016.47	1016.42	1016.35	1016.30	1016.29	1016.52
	1	1016.32	1016.34	1016.34	1016.35	1016.35	1016.32	1016.25	1016.18	1016.12	1016.05	1015.98	1015.94	1016.21
	2	1015.94	1015.93	1015.90	1015.85	1015.83	1015.86	1015.87	1015.82	1015.77	1015.75	1015.76	1015.80	1015.84
	3	1015.78	1015.74	1015.72	1015.72	1015.76	1015.78	1015.78	1015.78	1015.78	1015.77	1015.77	1015.78	1015.76
	4	1015.77	1015.78	1015.76	1015.73	1015.73	1015.76	1015.76	1015.72	1015.70	1015.69	1015.68	1015.73	1015.73
	5	1015.81	1015.85	1015.88	1015.90	1015.88	1015.86	1015.90	1015.95	1016.00	1016.07	1016.11	1016.16	1015.95
	6	1016.18	1016.19	1016.22	1016.24	1016.26	1016.27	1016.27	1016.29	1016.31	1016.33	1016.36	1016.37	1016.27
	7	1016.38	1016.40	1016.39	1016.36	1016.35	1016.36	1016.37	1016.38	1016.36	1016.34	1016.34	1016.29	1016.36
	8	1016.24	1016.23	1016.22	1016.21	1016.22	1016.24	1016.27	1016.27	1016.27	1016.26	1016.26	1016.25	1016.24
	9	1016.22	1016.20	1016.19	1016.17	1016.13	1016.09	1016.05	1015.98	1015.88	1015.78	1015.72	1015.73	1016.01
	10	1015.74	1015.76	1015.75	1015.65	1015.56	1015.45	1015.25	1015.33	1015.51	1015.47	1015.47	1015.57	1015.54
	11	1015.71	1015.73	1015.76	1015.98	1016.18	1016.26	1016.27	1016.16	1016.04	1016.01	1015.96	1015.93	1016.00
	12	1015.97	1016.02	1015.99	1015.92	1016.03	1016.25	1016.35	1016.36	1016.29	1016.08	1015.81	1015.65	1016.06
	13	1015.59	1015.58	1015.61	1015.68	1015.78	1015.90	1015.99	1016.00	1016.00	1016.03	1015.99	1015.91	1015.84
	14	1015.83	1015.81	1015.87	1015.94	1016.03	1016.05	1016.02	1015.98	1015.88	1015.79	1015.72	1015.65	1015.88
	15	1015.59	1015.56	1015.57	1015.59	1015.62	1015.63	1015.59	1015.53	1015.51	1015.50	1015.53	1015.56	1015.56
	16	1015.57	1015.52	1015.42	1015.36	1015.35	1015.34	1015.38	1015.44	1015.46	1015.48	1015.52	1015.54	1015.45
	17	1015.52	1015.48	1015.46	1015.42	1015.29	1015.22	1015.18	1015.12	1015.07	1015.04	1015.01	1014.95	1015.23
	18	1014.89	1014.83	1014.75	1014.73	1014.75	1014.75	1014.77	1014.83	1014.84	1014.82	1014.81	1014.83	1014.80
	19	1014.86	1014.88	1014.95	1015.04	1015.04	1015.02	1015.06	1015.06	1015.01	1014.98	1014.98	1015.01	1014.99
	20	1015.08	1015.17	1015.24	1015.26	1015.27	1015.26	1015.27	1015.33	1015.40	1015.45	1015.48	1015.50	1015.31
	21	1015.51	1015.51	1015.51	1015.50	1015.52	1015.53	1015.50	1015.46	1015.42	1015.41	1015.41	1015.42	1015.47
	22	1015.40	1015.39	1015.42	1015.40	1015.36	1015.35	1015.36	1015.39	1015.39	1015.35	1015.29	1015.21	1015.36
	23	1015.17	1015.12	1015.05	1015.00	1014.98	1014.97	1014.96	1014.96	1014.98	1014.94	1014.87	1014.86	1014.98
20	0	1014.86	1014.90	1014.95	1014.98	1014.96	1014.91	1014.86	1014.82	1014.76	1014.68	1014.65	1014.68	1014.83
	1	1014.67	1014.62	1014.55	1014.51	1014.49	1014.48	1014.45	1014.39	1014.38	1014.40	1014.40	1014.36	1014.47
	2	1014.33	1014.31	1014.32	1014.30	1014.23	1014.19	1014.21	1014.24	1014.23	1014.22	1014.23	1014.24	1014.25
	3	1014.22	1014.16	1014.13	1014.10	1014.02	1014.01	1014.05	1014.10	1014.16	1014.20	1014.22	1014.21	1014.13
	4	1014.21	1014.18	1014.14	1014.12	1014.14	1014.15	1014.16	1014.17	1014.18	1014.20	1014.25	1014.30	1014.18
	5	1014.34	1014.39	1014.44	1014.48	1014.52	1014.55	1014.57	1014.60	1014.67	1014.71	1014.73	1014.77	1014.56
	6	1014.76	1014.70	1014.68	1014.69	1014.71	1014.69	1014.68	1014.71	1014.72	1014.73	1014.81	1014.87	1014.73
	7	1014.89	1014.89	1014.87	1014.85	1014.81	1014.77	1014.77	1014.78	1014.79	1014.78	1014.74	1014.68	1014.80
	8	1014.68	1014.72	1014.74	1014.73	1014.71	1014.69	1014.66	1014.63	1014.62	1014.64	1014.66	1014.69	1014.68
	9	1014.70	1014.71	1014.72	1014.71	1014.71	1014.67	1014.63	1014.62	1014.59	1014.57	1014.55	1014.52	1014.64
	10	1014.52	1014.49	1014.44	1014.38	1014.33	1014.31	1014.29	1014.26	1014.22	1014.17	1014.11	1014.05	1014.30
	11	1014.02	1014.00	1013.97	1013.93	1013.88	1013.84	1013.79	1013.73	1013.66	1013.59	1013.55	1013.50	1013.79
	12	1013.47	1013.47	1013.43	1013.37	1013.32	1013.31	1013.32	1013.29	1013.23	1013.19	1013.15	1013.11	1013.30
	13	1013.10	1013.09	1013.07	1013.01	1012.93	1012.87	1012.81	1012.76	1012.74	1012.74	1012.74	1012.75	1012.88
	14	1012.72	1012.70	1012.69	1012.66	1012.61	1012.55	1012.51	1012.54	1012.58	1012.55	1012.52	1012.51	1012.59
	15	1012.46	1012.44	1012.46	1012.44	1012.43	1012.49	1012.53	1012.53	1012.50	1012.47	1012.51	1012.56	1012.48
	16	1012.53	1012.50	1012.48	1012.45	1012.52	1012.61	1012.62	1012.58	1012.54	1012.56	1012.59	1012.63	1012.55
	17	1012.67	1012.70	1012.73	1012.76	1012.80	1012.81	1012.77	1012.72	1012.69	1012.67	1012.70	1012.73	1012.73
	18	1012.74	1012.75	1012.76	1012.77	1012.77	1012.78	1012.81	1012.85	1012.88	1012.90	1012.93	1012.97	1012.82
	19	1013.02	1013.01	1012.96	1012.95	1012.95	1012.93	1012.94	1013.00	1013.05	1013.09	1013.15	1013.21	1013.02
	20	1013.24	1013.26	1013.27	1013.30	1013.34	1013.38	1013.38	1013.35	1013.36	1013.38	1013.35	1013.39	1013.33
	21	1013.44	1013.45	1013.50	1013.55	1013.64	1013.70	1013.70	1013.70	1013.69	1013.65	1013.64	1013.63	1013.60
	22	1013.62	1013.68	1013.77	1013.81	1013.78	1013.75	1013.75	1013.74	1013.67	1013.65	1013.70	1013.75	1013.72
	23	1013.78	1013.82	1013.83	1013.84	1013.84	1013.80	1013.79	1013.80	1013.79	1013.80	1013.81	1013.82	1013.81

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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	1013.76	1013.75	1013.74	1013.72	1013.70	1013.70	1013.70	1013.70	1013.70	1013.71	1013.71	1013.69	1013.71
	1	1013.67	1013.65	1013.62	1013.60	1013.62	1013.63	1013.59	1013.57	1013.56	1013.53	1013.48	1013.44	1013.58
	2	1013.42	1013.38	1013.34	1013.36	1013.37	1013.36	1013.35	1013.35	1013.37	1013.39	1013.37	1013.38	1013.37
	3	1013.41	1013.43	1013.45	1013.46	1013.51	1013.55	1013.55	1013.54	1013.55	1013.57	1013.59	1013.63	1013.52
	4	1013.68	1013.72	1013.73	1013.73	1013.75	1013.80	1013.85	1013.88	1013.90	1013.91	1013.93	1013.95	1013.82
	5	1013.92	1013.88	1013.87	1013.90	1013.91	1013.92	1013.93	1013.92	1013.95	1013.99	1014.01	1014.04	1013.93
	6	1014.08	1014.09	1014.10	1014.13	1014.18	1014.23	1014.25	1014.25	1014.25	1014.26	1014.26	1014.25	1014.19
	7	1014.24	1014.26	1014.26	1014.24	1014.21	1014.17	1014.14	1014.12	1014.14	1014.17	1014.16	1014.13	1014.18
	8	1014.13	1014.13	1014.14	1014.16	1014.17	1014.17	1014.17	1014.17	1014.13	1014.07	1014.05	1014.05	1014.13
	9	1014.05	1014.06	1014.05	1014.03	1014.03	1014.01	1013.99	1013.99	1013.99	1013.98	1013.96	1013.96	1014.00
	10	1013.99	1014.00	1013.99	1013.96	1013.93	1013.92	1013.92	1013.89	1013.86	1013.83	1013.79	1013.75	1013.90
	11	1013.72	1013.69	1013.63	1013.60	1013.59	1013.56	1013.51	1013.48	1013.44	1013.41	1013.37	1013.34	1013.53
	12	1013.33	1013.29	1013.31	1013.35	1013.30	1013.24	1013.20	1013.17	1013.12	1013.03	1012.94	1012.88	1013.18
	13	1012.85	1012.89	1012.96	1012.93	1012.83	1012.75	1012.76	1012.85	1012.96	1013.07	1013.17	1013.14	1012.93
	14	1013.10	1013.24	1013.77	1014.18	1014.52	1015.25	1015.77	1015.94	1015.76	1014.85	1014.27	1014.37	1014.58
	15	1014.30	1014.27	1014.26	1014.35	1014.54	1014.45	1014.31	1014.35	1014.41	1014.39	1014.41	1014.61	1014.39
	16	1014.95	1015.06	1015.14	1015.35	1015.44	1015.55	1015.56	1015.49	1015.49	1015.41	1015.26	1015.19	1015.32
	17	1015.16	1015.09	1015.02	1014.94	1014.95	1015.01	1015.04	1015.04	1014.99	1014.95	1014.94	1014.95	1015.00
	18	1014.97	1014.94	1014.90	1014.88	1014.90	1014.95	1014.95	1014.92	1014.91	1014.92	1014.93	1014.91	1014.92
	19	1014.91	1014.89	1014.87	1014.91	1014.91	1014.90	1014.98	1015.05	1015.07	1015.09	1015.10	1015.11	1014.98
	20	1015.12	1015.13	1015.14	1015.18	1015.22	1015.23	1015.26	1015.27	1015.24	1015.20	1015.18	1015.15	1015.19
	21	1015.10	1015.05	1015.03	1015.00	1014.95	1014.88	1014.82	1014.76	1014.72	1014.72	1014.75	1014.77	1014.88
	22	1014.79	1014.79	1014.77	1014.75	1014.74	1014.72	1014.65	1014.59	1014.55	1014.55	1014.61	1014.64	1014.68
	23	1014.65	1014.67	1014.66	1014.66	1014.67	1014.68	1014.67	1014.65	1014.64	1014.66	1014.70	1014.72	1014.67
22	0	1014.75	1014.78	1014.80	1014.80	1014.81	1014.84	1014.85	1014.82	1014.76	1014.72	1014.74	1014.73	1014.78
	1	1014.71	1014.71	1014.67	1014.59	1014.55	1014.55	1014.54	1014.55	1014.55	1014.53	1014.52	1014.49	1014.58
	2	1014.50	1014.51	1014.50	1014.51	1014.57	1014.60	1014.58	1014.61	1014.68	1014.77	1014.86	1014.92	1014.63
	3	1014.89	1014.80	1014.74	1014.77	1014.85	1014.98	1015.13	1015.21	1015.23	1015.19	1015.15	1015.17	1015.01
	4	1015.16	1015.10	1014.99	1014.88	1014.80	1014.76	1014.74	1014.70	1014.62	1014.54	1014.46	1014.41	1014.76
	5	1014.44	1014.52	1014.57	1014.58	1014.61	1014.64	1014.66	1014.68	1014.71	1014.73	1014.72	1014.74	1014.63
	6	1014.81	1014.84	1014.83	1014.81	1014.81	1014.78	1014.76	1014.77	1014.77	1014.74	1014.72	1014.71	1014.78
	7	1014.67	1014.64	1014.61	1014.53	1014.46	1014.42	1014.38	1014.35	1014.32	1014.27	1014.25	1014.24	1014.43
	8	1014.20	1014.15	1014.14	1014.12	1014.10	1014.07	1014.03	1014.01	1014.01	1013.99	1013.93	1013.89	1014.05
	9	1013.88	1013.86	1013.84	1013.81	1013.75	1013.72	1013.69	1013.67	1013.66	1013.62	1013.54	1013.49	1013.71
	10	1013.43	1013.34	1013.28	1013.23	1013.18	1013.11	1013.05	1012.99	1012.93	1012.89	1012.83	1012.76	1013.08
	11	1012.70	1012.65	1012.63	1012.60	1012.55	1012.53	1012.52	1012.49	1012.47	1012.45	1012.43	1012.40	1012.53
	12	1012.37	1012.33	1012.28	1012.27	1012.29	1012.29	1012.27	1012.24	1012.23	1012.21	1012.22	1012.31	1012.27
	13	1012.38	1012.41	1012.44	1012.46	1012.45	1012.44	1012.46	1012.48	1012.46	1012.42	1012.38	1012.35	1012.43
	14	1012.34	1012.36	1012.34	1012.34	1012.39	1012.38	1012.37	1012.35	1012.30	1012.28	1012.26	1012.26	1012.33
	15	1012.24	1012.21	1012.21	1012.19	1012.20	1012.19	1012.14	1012.15	1012.16	1012.17	1012.20	1012.19	1012.19
	16	1012.17	1012.15	1012.15	1012.17	1012.19	1012.19	1012.18	1012.18	1012.21	1012.26	1012.25	1012.22	1012.19
	17	1012.22	1012.21	1012.21	1012.21	1012.20	1012.23	1012.27	1012.30	1012.30	1012.31	1012.33	1012.34	1012.26
	18	1012.32	1012.30	1012.31	1012.31	1012.27	1012.27	1012.29	1012.25	1012.24	1012.25	1012.29	1012.30	1012.28
	19	1012.27	1012.27	1012.32	1012.38	1012.44	1012.54	1012.68	1012.80	1012.91	1013.03	1013.16	1013.30	1012.67
	20	1013.38	1013.40	1013.39	1013.36	1013.34	1013.32	1013.28	1013.26	1013.27	1013.26	1013.23	1013.19	1013.30
	21	1013.15	1013.12	1013.07	1013.02	1012.98	1012.95	1012.90	1012.83	1012.75	1012.75	1012.79	1012.79	1012.92
	22	1012.77	1012.77	1012.76	1012.72	1012.66	1012.63	1012.62	1012.56	1012.51	1012.51	1012.49	1012.46	1012.62
	23	1012.44	1012.43	1012.40	1012.37	1012.35	1012.32	1012.29	1012.26	1012.21	1012.17	1012.15	1012.14	1012.29

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
23	0	1012.13	1012.13	1012.13	1012.11	1012.08	1012.06	1012.03	1011.98	1011.94	1011.93	1011.93	1011.94	1012.03
	1	1011.91	1011.87	1011.83	1011.80	1011.80	1011.81	1011.79	1011.75	1011.73	1011.74	1011.77	1011.80	1011.80
	2	1011.80	1011.79	1011.78	1011.80	1011.82	1011.82	1011.76	1011.68	1011.68	1011.70	1011.71	1011.73	1011.75
	3	1011.75	1011.75	1011.73	1011.72	1011.76	1011.80	1011.83	1011.85	1011.86	1011.89	1011.91	1011.94	1011.81
	4	1011.96	1011.93	1011.91	1011.94	1011.97	1011.97	1011.97	1012.01	1012.08	1012.12	1012.13	1012.15	1012.01
	5	1012.18	1012.18	1012.17	1012.16	1012.13	1012.11	1012.17	1012.25	1012.28	1012.29	1012.33	1012.37	1012.22
	6	1012.43	1012.51	1012.54	1012.56	1012.60	1012.63	1012.64	1012.67	1012.71	1012.74	1012.78	1012.77	1012.63
	7	1012.77	1012.81	1012.84	1012.87	1012.91	1012.94	1012.94	1012.92	1012.92	1012.95	1012.97	1013.00	1012.90
	8	1013.01	1013.01	1012.99	1012.98	1012.97	1012.97	1013.00	1013.00	1012.98	1012.97	1012.99	1013.01	1012.99
	9	1013.02	1013.04	1013.03	1012.97	1012.92	1012.89	1012.84	1012.79	1012.82	1012.87	1012.87	1012.86	1012.91
	10	1012.84	1012.79	1012.74	1012.70	1012.67	1012.63	1012.60	1012.60	1012.58	1012.53	1012.46	1012.44	1012.63
	11	1012.42	1012.38	1012.34	1012.29	1012.25	1012.27	1012.28	1012.25	1012.21	1012.16	1012.14	1012.15	1012.26
	12	1012.10	1012.05	1012.04	1012.00	1011.98	1011.97	1011.95	1011.96	1011.98	1011.97	1011.95	1011.95	1011.99
	13	1011.98	1011.98	1011.98	1011.97	1011.94	1011.93	1011.89	1011.84	1011.80	1011.76	1011.77	1011.76	1011.88
	14	1011.71	1011.74	1011.74	1011.72	1011.73	1011.73	1011.75	1011.74	1011.71	1011.71	1011.71	1011.71	1011.72
	15	1011.72	1011.71	1011.68	1011.62	1011.57	1011.54	1011.56	1011.60	1011.63	1011.63	1011.65	1011.68	1011.63
	16	1011.69	1011.68	1011.67	1011.67	1011.66	1011.66	1011.68	1011.67	1011.68	1011.72	1011.73	1011.72	1011.68
	17	1011.74	1011.81	1011.88	1011.87	1011.84	1011.85	1011.88	1011.88	1011.90	1011.91	1011.90	1011.91	1011.86
	18	1011.95	1011.98	1012.01	1012.05	1012.10	1012.14	1012.16	1012.20	1012.25	1012.27	1012.29	1012.34	1012.14
	19	1012.39	1012.44	1012.50	1012.56	1012.63	1012.68	1012.74	1012.82	1012.88	1012.93	1012.96	1012.99	1012.71
	20	1013.04	1013.08	1013.14	1013.21	1013.29	1013.34	1013.32	1013.28	1013.25	1013.27	1013.30	1013.35	1013.24
	21	1013.43	1013.50	1013.51	1013.47	1013.47	1013.50	1013.49	1013.46	1013.46	1013.51	1013.61	1013.70	1013.51
	22	1013.69	1013.64	1013.59	1013.58	1013.61	1013.64	1013.65	1013.66	1013.63	1013.62	1013.61	1013.57	1013.62
	23	1013.52	1013.48	1013.45	1013.43	1013.41	1013.41	1013.40	1013.39	1013.40	1013.42	1013.44	1013.47	1013.43
24	0	1013.49	1013.48	1013.44	1013.42	1013.45	1013.49	1013.51	1013.51	1013.51	1013.54	1013.60	1013.62	1013.50
	1	1013.61	1013.60	1013.58	1013.57	1013.57	1013.54	1013.54	1013.54	1013.54	1013.53	1013.50	1013.49	1013.55
	2	1013.49	1013.49	1013.48	1013.45	1013.43	1013.40	1013.43	1013.49	1013.56	1013.64	1013.67	1013.70	1013.52
	3	1013.76	1013.76	1013.75	1013.75	1013.76	1013.79	1013.79	1013.78	1013.82	1013.86	1013.83	1013.80	1013.78
	4	1013.85	1013.95	1014.03	1014.06	1014.06	1014.07	1014.09	1014.13	1014.20	1014.26	1014.30	1014.33	1014.11
	5	1014.37	1014.41	1014.47	1014.52	1014.57	1014.62	1014.63	1014.64	1014.70	1014.74	1014.76	1014.80	1014.60
	6	1014.83	1014.85	1014.84	1014.82	1014.83	1014.84	1014.85	1014.89	1014.93	1014.95	1014.99	1014.99	1014.88
	7	1014.97	1014.96	1014.93	1014.92	1014.93	1014.91	1014.89	1014.87	1014.85	1014.85	1014.83	1014.82	1014.89
	8	1014.83	1014.84	1014.85	1014.87	1014.87	1014.87	1014.91	1014.94	1014.94	1014.91	1014.88	1014.86	1014.88
	9	1014.85	1014.84	1014.82	1014.83	1014.86	1014.87	1014.88	1014.88	1014.88	1014.87	1014.84	1014.81	1014.85
	10	1014.80	1014.80	1014.81	1014.82	1014.84	1014.87	1014.86	1014.84	1014.82	1014.76	1014.69	1014.63	1014.79
	11	1014.60	1014.58	1014.54	1014.48	1014.41	1014.35	1014.29	1014.26	1014.30	1014.32	1014.32	1014.34	1014.40
	12	1014.35	1014.33	1014.33	1014.31	1014.28	1014.28	1014.33	1014.35	1014.32	1014.29	1014.27	1014.30	1014.31
	13	1014.32	1014.34	1014.36	1014.33	1014.32	1014.33	1014.29	1014.24	1014.22	1014.19	1014.15	1014.13	1014.27
	14	1014.12	1014.12	1014.13	1014.11	1014.12	1014.19	1014.22	1014.23	1014.22	1014.18	1014.19	1014.19	1014.17
	15	1014.16	1014.13	1014.12	1014.15	1014.19	1014.21	1014.23	1014.25	1014.21	1014.15	1014.14	1014.13	1014.17
	16	1014.09	1014.08	1014.08	1014.04	1014.01	1014.01	1014.04	1014.04	1014.00	1013.95	1013.94	1013.99	1014.02
	17	1014.02	1014.01	1014.03	1014.08	1014.16	1014.22	1014.25	1014.29	1014.36	1014.45	1014.50	1014.51	1014.24
	18	1014.53	1014.58	1014.66	1014.73	1014.80	1014.88	1014.92	1014.92	1014.94	1014.97	1015.00	1015.05	1014.83
	19	1015.14	1015.23	1015.29	1015.34	1015.39	1015.47	1015.52	1015.56	1015.64	1015.73	1015.80	1015.84	1015.49
	20	1015.83	1015.84	1015.84	1015.84	1015.90	1015.93	1015.93	1015.96	1016.01	1016.02	1016.02	1016.03	1015.93
	21	1016.01	1015.98	1015.98	1016.00	1016.00	1016.02	1016.05	1016.10	1016.12	1016.08	1016.10	1016.14	1016.05
	22	1016.12	1016.10	1016.09	1016.12	1016.18	1016.22	1016.19	1016.14	1016.12	1016.10	1016.11	1016.12	1016.13
	23	1016.11	1016.13	1016.15	1016.09	1016.04	1016.05	1016.05	1016.02	1015.99	1015.97	1015.97	1015.98	1016.04

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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	1015.93	1015.86	1015.78	1015.76	1015.75	1015.71	1015.67	1015.65	1015.65	1015.64	1015.63	1015.67	1015.71
	1	1015.68	1015.61	1015.59	1015.62	1015.63	1015.63	1015.67	1015.67	1015.64	1015.61	1015.62	1015.61	1015.63
	2	1015.60	1015.62	1015.62	1015.61	1015.60	1015.60	1015.61	1015.63	1015.63	1015.57	1015.56	1015.59	1015.60
	3	1015.61	1015.64	1015.67	1015.70	1015.73	1015.71	1015.67	1015.68	1015.70	1015.70	1015.68	1015.70	1015.68
	4	1015.76	1015.81	1015.85	1015.86	1015.85	1015.86	1015.88	1015.90	1015.91	1015.97	1016.07	1016.13	1015.90
	5	1016.15	1016.18	1016.21	1016.20	1016.19	1016.21	1016.23	1016.23	1016.21	1016.19	1016.18	1016.17	1016.19
	6	1016.18	1016.20	1016.21	1016.23	1016.27	1016.31	1016.33	1016.35	1016.39	1016.41	1016.39	1016.38	1016.30
	7	1016.34	1016.29	1016.26	1016.23	1016.20	1016.20	1016.22	1016.24	1016.24	1016.22	1016.21	1016.20	1016.23
	8	1016.18	1016.17	1016.15	1016.14	1016.13	1016.08	1016.01	1015.97	1015.96	1015.97	1015.98	1015.98	1016.06
	9	1015.98	1015.99	1016.00	1016.01	1016.03	1016.03	1016.05	1016.08	1016.10	1016.09	1016.10	1016.15	1016.05
	10	1016.15	1016.12	1016.09	1016.06	1016.03	1016.01	1015.96	1015.93	1015.89	1015.86	1015.82	1015.77	1015.97
	11	1015.77	1015.78	1015.77	1015.75	1015.74	1015.72	1015.68	1015.61	1015.55	1015.54	1015.57	1015.57	1015.67
	12	1015.55	1015.54	1015.51	1015.45	1015.39	1015.35	1015.32	1015.26	1015.22	1015.23	1015.24	1015.23	1015.35
	13	1015.24	1015.25	1015.23	1015.20	1015.20	1015.19	1015.18	1015.17	1015.14	1015.15	1015.13	1015.11	1015.18
	14	1015.12	1015.12	1015.09	1015.08	1015.05	1015.03	1015.02	1015.04	1015.05	1015.03	1015.02	1014.99	1015.05
	15	1014.94	1014.90	1014.89	1014.90	1014.87	1014.87	1014.90	1014.90	1014.91	1014.89	1014.88	1014.88	1014.89
	16	1014.86	1014.85	1014.84	1014.83	1014.82	1014.82	1014.79	1014.75	1014.77	1014.79	1014.78	1014.78	1014.81
	17	1014.79	1014.78	1014.80	1014.85	1014.86	1014.84	1014.81	1014.80	1014.84	1014.84	1014.82	1014.84	1014.82
	18	1014.87	1014.89	1014.89	1014.89	1014.90	1014.94	1014.99	1015.04	1015.10	1015.11	1015.09	1015.08	1014.98
	19	1015.10	1015.13	1015.17	1015.23	1015.26	1015.28	1015.32	1015.36	1015.40	1015.43	1015.47	1015.47	1015.30
	20	1015.47	1015.50	1015.51	1015.52	1015.54	1015.56	1015.57	1015.55	1015.53	1015.52	1015.50	1015.48	1015.52
	21	1015.46	1015.44	1015.43	1015.44	1015.44	1015.43	1015.42	1015.45	1015.48	1015.48	1015.47	1015.44	1015.45
	22	1015.36	1015.30	1015.31	1015.31	1015.29	1015.30	1015.30	1015.30	1015.31	1015.33	1015.35	1015.35	1015.32
	23	1015.32	1015.30	1015.30	1015.29	1015.28	1015.24	1015.19	1015.16	1015.17	1015.17	1015.13	1015.10	1015.22
26	0	1015.07	1015.07	1015.08	1015.07	1015.05	1015.07	1015.06	1015.03	1015.00	1014.99	1014.99	1014.97	1015.03
	1	1014.92	1014.87	1014.86	1014.86	1014.85	1014.86	1014.87	1014.87	1014.88	1014.89	1014.89	1014.92	1014.88
	2	1014.93	1014.91	1014.88	1014.85	1014.83	1014.82	1014.81	1014.79	1014.79	1014.81	1014.85	1014.88	1014.84
	3	1014.89	1014.90	1014.90	1014.92	1014.93	1014.94	1014.97	1015.00	1015.00	1015.00	1014.99	1014.98	1014.95
	4	1015.00	1015.00	1015.00	1014.98	1014.98	1015.03	1015.07	1015.08	1015.07	1015.08	1015.09	1015.08	1015.04
	5	1015.07	1015.07	1015.08	1015.08	1015.07	1015.05	1015.05	1015.07	1015.08	1015.07	1015.07	1015.09	1015.07
	6	1015.10	1015.12	1015.18	1015.21	1015.23	1015.25	1015.28	1015.30	1015.28	1015.27	1015.30	1015.34	1015.24
	7	1015.37	1015.37	1015.34	1015.32	1015.27	1015.25	1015.26	1015.26	1015.24	1015.21	1015.19	1015.17	1015.27
	8	1015.19	1015.23	1015.24	1015.24	1015.25	1015.26	1015.26	1015.27	1015.29	1015.31	1015.33	1015.34	1015.27
	9	1015.33	1015.31	1015.28	1015.23	1015.15	1015.10	1015.09	1015.07	1015.06	1015.06	1015.04	1014.96	1015.14
	10	1014.91	1014.90	1014.85	1014.79	1014.78	1014.74	1014.70	1014.67	1014.63	1014.63	1014.64	1014.66	1014.74
	11	1014.64	1014.59	1014.54	1014.53	1014.53	1014.53	1014.48	1014.42	1014.38	1014.37	1014.38	1014.36	1014.48
	12	1014.33	1014.32	1014.31	1014.29	1014.26	1014.23	1014.19	1014.18	1014.20	1014.17	1014.17	1014.15	1014.23
	13	1014.10	1014.12	1014.11	1014.07	1014.08	1014.08	1014.06	1014.03	1013.95	1013.85	1013.82	1013.80	1014.00
	14	1013.77	1013.74	1013.73	1013.70	1013.66	1013.65	1013.66	1013.62	1013.59	1013.55	1013.48	1013.46	1013.63
	15	1013.48	1013.49	1013.49	1013.48	1013.46	1013.44	1013.38	1013.34	1013.30	1013.22	1013.17	1013.13	1013.36
	16	1013.10	1013.08	1013.05	1013.05	1013.05	1013.03	1013.02	1013.03	1013.03	1013.01	1012.97	1012.97	1013.03
	17	1013.01	1013.05	1013.07	1013.10	1013.12	1013.13	1013.12	1013.11	1013.10	1013.14	1013.17	1013.16	1013.10
	18	1013.15	1013.18	1013.19	1013.17	1013.14	1013.15	1013.21	1013.22	1013.19	1013.20	1013.21	1013.22	1013.18
	19	1013.22	1013.22	1013.24	1013.26	1013.30	1013.37	1013.43	1013.45	1013.48	1013.54	1013.59	1013.63	1013.39
	20	1013.66	1013.66	1013.63	1013.61	1013.60	1013.58	1013.55	1013.52	1013.52	1013.51	1013.49	1013.50	1013.57
	21	1013.50	1013.50	1013.47	1013.43	1013.42	1013.41	1013.41	1013.41	1013.41	1013.42	1013.41	1013.40	1013.43
	22	1013.45	1013.50	1013.49	1013.50	1013.51	1013.51	1013.52	1013.53	1013.53	1013.53	1013.53	1013.50	1013.51
	23	1013.48	1013.47	1013.46	1013.45	1013.43	1013.42	1013.45	1013.47	1013.42	1013.39	1013.42	1013.42	1013.44

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
27	0	1013.39	1013.38	1013.36	1013.34	1013.31	1013.26	1013.22	1013.21	1013.20	1013.20	1013.20	1013.21	1013.27
	1	1013.21	1013.19	1013.16	1013.15	1013.12	1013.11	1013.10	1013.07	1013.05	1013.02	1012.97	1012.90	1013.09
	2	1012.84	1012.78	1012.74	1012.72	1012.69	1012.66	1012.61	1012.58	1012.56	1012.54	1012.53	1012.53	1012.64
	3	1012.54	1012.56	1012.57	1012.58	1012.60	1012.61	1012.60	1012.61	1012.63	1012.66	1012.71	1012.75	1012.62
	4	1012.78	1012.81	1012.83	1012.88	1012.93	1012.95	1012.96	1012.98	1012.98	1012.96	1012.96	1012.96	1012.91
	5	1012.98	1013.02	1013.07	1013.10	1013.09	1013.05	1013.05	1013.06	1013.09	1013.13	1013.17	1013.18	1013.08
	6	1013.20	1013.22	1013.23	1013.25	1013.29	1013.33	1013.34	1013.34	1013.34	1013.35	1013.35	1013.35	1013.30
	7	1013.35	1013.37	1013.40	1013.42	1013.43	1013.42	1013.41	1013.40	1013.38	1013.34	1013.31	1013.31	1013.38
	8	1013.30	1013.28	1013.30	1013.35	1013.38	1013.39	1013.40	1013.43	1013.45	1013.47	1013.47	1013.47	1013.39
	9	1013.47	1013.45	1013.41	1013.39	1013.38	1013.36	1013.32	1013.25	1013.19	1013.15	1013.13	1013.10	1013.30
	10	1013.08	1013.06	1013.00	1012.95	1012.93	1012.90	1012.87	1012.86	1012.82	1012.79	1012.78	1012.74	1012.90
	11	1012.69	1012.69	1012.69	1012.67	1012.67	1012.65	1012.61	1012.58	1012.60	1012.59	1012.56	1012.58	1012.63
	12	1012.57	1012.51	1012.47	1012.49	1012.48	1012.43	1012.42	1012.43	1012.45	1012.47	1012.48	1012.48	1012.47
	13	1012.45	1012.46	1012.48	1012.45	1012.43	1012.40	1012.39	1012.41	1012.41	1012.38	1012.34	1012.33	1012.41
	14	1012.33	1012.33	1012.35	1012.34	1012.33	1012.36	1012.37	1012.39	1012.41	1012.42	1012.39	1012.39	1012.36
	15	1012.41	1012.42	1012.44	1012.47	1012.51	1012.52	1012.54	1012.58	1012.62	1012.63	1012.63	1012.64	1012.53
	16	1012.65	1012.67	1012.69	1012.65	1012.59	1012.55	1012.54	1012.54	1012.56	1012.60	1012.63	1012.64	1012.61
	17	1012.67	1012.68	1012.69	1012.70	1012.72	1012.76	1012.79	1012.80	1012.81	1012.82	1012.83	1012.83	1012.76
	18	1012.81	1012.77	1012.74	1012.74	1012.77	1012.81	1012.86	1012.90	1012.93	1012.95	1012.97	1012.99	1012.85
	19	1012.99	1013.01	1013.05	1013.09	1013.11	1013.15	1013.16	1013.16	1013.16	1013.15	1013.13	1013.11	1013.10
	20	1013.10	1013.12	1013.17	1013.19	1013.17	1013.09	1013.02	1012.98	1012.95	1012.94	1013.00	1013.07	1013.07
	21	1013.13	1013.21	1013.27	1013.29	1013.29	1013.29	1013.31	1013.36	1013.37	1013.36	1013.40	1013.43	1013.31
	22	1013.44	1013.47	1013.50	1013.49	1013.48	1013.48	1013.45	1013.46	1013.46	1013.43	1013.44	1013.47	1013.46
	23	1013.52	1013.59	1013.62	1013.68	1013.75	1013.76	1013.79	1013.78	1013.72	1013.73	1013.75	1013.71	1013.70
28	0	1013.72	1013.72	1013.71	1013.72	1013.75	1013.76	1013.79	1013.86	1013.90	1013.90	1013.92	1013.98	1013.81
	1	1014.03	1014.05	1014.07	1014.08	1014.06	1014.05	1014.04	1014.03	1014.05	1014.07	1014.08	1014.07	1014.06
	2	1014.04	1014.03	1014.05	1014.05	1014.04	1014.06	1014.10	1014.13	1014.16	1014.25	1014.37	1014.44	1014.14
	3	1014.48	1014.54	1014.60	1014.65	1014.67	1014.71	1014.74	1014.77	1014.81	1014.83	1014.87	1014.88	1014.71
	4	1014.89	1014.95	1015.00	1015.01	1015.03	1015.05	1015.07	1015.08	1015.07	1015.05	1015.04	1015.06	1015.02
	5	1015.06	1015.02	1015.00	1015.00	1015.07	1015.12	1015.04	1014.98	1014.95	1014.96	1014.97	1014.96	1015.01
	6	1014.99	1015.03	1015.08	1015.13	1015.19	1015.25	1015.26	1015.31	1015.38	1015.44	1015.43	1015.41	1015.24
	7	1015.44	1015.45	1015.45	1015.43	1015.37	1015.31	1015.27	1015.25	1015.24	1015.23	1015.22	1015.21	1015.32
	8	1015.24	1015.24	1015.21	1015.23	1015.27	1015.31	1015.31	1015.28	1015.28	1015.30	1015.31	1015.31	1015.27
	9	1015.35	1015.39	1015.41	1015.40	1015.38	1015.34	1015.31	1015.31	1015.30	1015.26	1015.22	1015.18	1015.32
	10	1015.16	1015.15	1015.15	1015.17	1015.18	1015.16	1015.13	1015.13	1015.17	1015.20	1015.24	1015.30	1015.18
	11	1015.33	1015.34	1015.33	1015.35	1015.36	1015.37	1015.36	1015.34	1015.32	1015.33	1015.37	1015.39	1015.35
	12	1015.42	1015.45	1015.43	1015.42	1015.42	1015.38	1015.35	1015.37	1015.42	1015.44	1015.44	1015.43	1015.41
	13	1015.40	1015.38	1015.38	1015.38	1015.39	1015.39	1015.39	1015.39	1015.37	1015.35	1015.29	1015.25	1015.36
	14	1015.20	1015.14	1015.11	1015.12	1015.13	1015.12	1015.10	1015.07	1014.99	1014.91	1014.89	1014.88	1015.05
	15	1014.86	1014.89	1014.94	1014.93	1014.93	1014.93	1014.94	1014.96	1014.96	1014.95	1014.92	1014.92	1014.93
	16	1014.95	1014.97	1015.01	1015.05	1015.10	1015.15	1015.20	1015.25	1015.28	1015.34	1015.38	1015.42	1015.17
	17	1015.46	1015.47	1015.45	1015.47	1015.51	1015.52	1015.55	1015.57	1015.58	1015.57	1015.58	1015.60	1015.53
	18	1015.60	1015.60	1015.61	1015.64	1015.66	1015.65	1015.64	1015.65	1015.66	1015.64	1015.65	1015.71	1015.64
	19	1015.77	1015.84	1015.93	1016.01	1016.05	1016.04	1016.06	1016.07	1016.09	1016.13	1016.16	1016.19	1016.03
	20	1016.21	1016.25	1016.29	1016.31	1016.27	1016.23	1016.23	1016.26	1016.30	1016.34	1016.37	1016.41	1016.29
	21	1016.44	1016.48	1016.54	1016.55	1016.53	1016.54	1016.55	1016.57	1016.61	1016.67	1016.67	1016.69	1016.57
	22	1016.76	1016.77	1016.75	1016.74	1016.76	1016.76	1016.71	1016.65	1016.64	1016.66	1016.65	1016.62	1016.70
	23	1016.61	1016.62	1016.62	1016.58	1016.55	1016.54	1016.55	1016.55	1016.53	1016.48	1016.42	1016.36	1016.53

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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
29	0	1016.29	1016.29	1016.27	1016.24	1016.18	1016.16	1016.15	1016.13	1016.12	1016.09	1016.06	1016.01	1016.16
	1	1015.95	1015.98	1016.05	1016.03	1016.01	1016.04	1016.10	1016.21	1016.29	1016.32	1016.38	1016.43	1016.15
	2	1016.47	1016.52	1016.57	1016.60	1016.62	1016.64	1016.65	1016.65	1016.68	1016.71	1016.70	1016.70	1016.62
	3	1016.65	1016.54	1016.45	1016.45	1016.60	1016.63	1016.65	1016.80	1016.93	1017.04	1017.07	1017.00	1016.73
	4	1016.97	1016.97	1016.96	1016.89	1016.77	1016.72	1016.74	1016.76	1016.77	1016.84	1016.80	1016.74	1016.83
	5	1016.69	1016.67	1016.68	1016.71	1016.73	1016.66	1016.55	1016.40	1016.30	1016.24	1016.11	1015.92	1016.47
	6	1015.85	1015.79	1015.66	1015.64	1015.65	1015.55	1015.45	1015.43	1015.40	1015.40	1015.40	1015.41	1015.55
	7	1015.35	1015.25	1015.23	1015.31	1015.36	1015.31	1015.35	1015.43	1015.50	1015.46	1015.41	1015.46	1015.37
	8	1015.60	1015.69	1015.61	1015.46	1015.50	1015.65	1015.67	1015.65	1015.70	1015.74	1015.81	1015.94	1015.67
	9	1015.98	1015.96	1016.02	1016.08	1016.06	1016.07	1016.14	1016.22	1016.28	1016.23	1016.17	1016.17	1016.11
	10	1016.13	1016.06	1015.96	1015.92	1015.99	1015.98	1015.92	1015.91	1015.80	1015.69	1015.64	1015.62	1015.88
	11	1015.56	1015.52	1015.60	1015.71	1015.70	1015.53	1015.39	1015.23	1015.11	1015.21	1015.28	1015.35	1015.43
	12	1015.48	1015.58	1015.63	1015.73	1015.82	1015.79	1015.86	1015.98	1016.01	1015.91	1015.80	1015.68	1015.77
	13	1015.52	1015.57	1015.75	1015.75	1015.64	1015.42	1015.34	1015.31	1015.09	1014.97	1015.10	1015.33	1015.40
	14	1015.40	1015.25	1015.10	1014.97	1014.79	1014.66	1014.56	1014.55	1014.57	1014.46	1014.37	1014.42	1014.76
	15	1014.52	1014.58	1014.60	1014.61	1014.65	1014.71	1014.69	1014.75	1014.82	1014.79	1014.81	1014.79	1014.69
	16	1014.72	1014.78	1014.85	1014.86	1014.83	1014.75	1014.70	1014.64	1014.62	1014.62	1014.55	1014.53	1014.70
	17	1014.61	1014.66	1014.62	1014.64	1014.75	1014.81	1014.80	1014.80	1014.87	1014.99	1015.03	1015.00	1014.80
	18	1014.95	1014.90	1014.83	1014.73	1014.67	1014.66	1014.70	1014.76	1014.78	1014.75	1014.78	1014.86	1014.78
	19	1014.90	1014.91	1014.94	1014.97	1014.99	1015.10	1015.22	1015.30	1015.36	1015.40	1015.41	1015.34	1015.15
	20	1015.28	1015.25	1015.26	1015.30	1015.31	1015.30	1015.31	1015.32	1015.31	1015.26	1015.23	1015.20	1015.28
	21	1015.16	1015.12	1015.07	1015.01	1015.02	1015.02	1014.97	1014.92	1014.87	1014.84	1014.84	1014.83	1014.97
	22	1014.79	1014.77	1014.79	1014.80	1014.86	1014.86	1014.84	1014.84	1014.84	1014.86	1014.86	1014.87	1014.83
	23	1014.88	1014.81	1014.75	1014.74	1014.72	1014.69	1014.66	1014.62	1014.60	1014.58	1014.55	1014.51	1014.67
30	0	1014.51	1014.50	1014.48	1014.45	1014.41	1014.36	1014.35	1014.35	1014.38	1014.41	1014.42	1014.42	1014.41
	1	1014.46	1014.52	1014.54	1014.52	1014.52	1014.54	1014.53	1014.50	1014.50	1014.53	1014.56	1014.58	1014.52
	2	1014.63	1014.64	1014.64	1014.66	1014.66	1014.65	1014.62	1014.61	1014.60	1014.56	1014.54	1014.57	1014.61
	3	1014.61	1014.65	1014.66	1014.64	1014.62	1014.62	1014.62	1014.59	1014.58	1014.57	1014.56	1014.56	1014.61
	4	1014.56	1014.54	1014.54	1014.57	1014.57	1014.58	1014.65	1014.70	1014.75	1014.80	1014.83	1014.85	1014.66
	5	1014.89	1014.93	1015.02	1015.10	1015.12	1015.11	1015.14	1015.23	1015.29	1015.28	1015.31	1015.35	1015.14
	6	1015.38	1015.41	1015.43	1015.46	1015.47	1015.45	1015.45	1015.43	1015.41	1015.37	1015.34	1015.39	1015.41
	7	1015.40	1015.35	1015.35	1015.38	1015.36	1015.28	1015.23	1015.22	1015.21	1015.22	1015.25	1015.28	1015.29
	8	1015.27	1015.22	1015.17	1015.13	1015.10	1015.05	1015.04	1015.05	1015.05	1015.06	1015.03	1014.99	1015.10
	9	1014.95	1014.92	1014.94	1014.96	1015.00	1015.01	1014.96	1014.93	1014.89	1014.88	1014.90	1014.86	1014.93
	10	1014.81	1014.76	1014.69	1014.66	1014.65	1014.63	1014.53	1014.46	1014.42	1014.35	1014.34	1014.31	1014.55
	11	1014.24	1014.21	1014.16	1014.11	1014.10	1014.06	1014.00	1013.94	1013.90	1013.86	1013.84	1013.81	1014.02
	12	1013.76	1013.73	1013.65	1013.64	1013.63	1013.60	1013.60	1013.55	1013.50	1013.48	1013.50	1013.47	1013.59
	13	1013.40	1013.30	1013.25	1013.22	1013.15	1013.09	1013.05	1013.00	1013.00	1013.04	1013.02	1012.98	1013.12
	14	1012.88	1012.79	1012.77	1012.77	1012.75	1012.73	1012.70	1012.63	1012.61	1012.59	1012.53	1012.49	1012.68
	15	1012.49	1012.46	1012.47	1012.46	1012.40	1012.39	1012.35	1012.32	1012.32	1012.31	1012.27	1012.25	1012.37
	16	1012.25	1012.24	1012.22	1012.18	1012.15	1012.15	1012.16	1012.16	1012.14	1012.15	1012.17	1012.17	1012.18
	17	1012.19	1012.22	1012.25	1012.28	1012.29	1012.29	1012.29	1012.29	1012.29	1012.29	1012.28	1012.28	1012.27
	18	1012.34	1012.38	1012.36	1012.37	1012.40	1012.46	1012.48	1012.49	1012.52	1012.56	1012.58	1012.59	1012.46
	19	1012.62	1012.69	1012.74	1012.78	1012.83	1012.87	1012.93	1012.96	1012.99	1013.00	1013.00	1013.04	1012.87
	20	1013.06	1013.06	1013.05	1013.07	1013.09	1013.08	1013.06	1013.07	1013.06	1013.05	1013.09	1013.13	1013.07
	21	1013.14	1013.15	1013.17	1013.16	1013.14	1013.14	1013.13	1013.11	1013.12	1013.13	1013.14	1013.15	1013.14
	22	1013.12	1013.09	1013.09	1013.10	1013.06	1013.01	1012.97	1012.93	1012.90	1012.87	1012.83	1012.79	1012.98
	23	1012.77	1012.73	1012.69	1012.66	1012.60	1012.55	1012.52	1012.53	1012.51	1012.48	1012.48	1012.50	1012.58

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
31	0	1012.45	1012.45	1012.43	1012.39	1012.35	1012.35	1012.37	1012.35	1012.32	1012.31	1012.28	1012.24	1012.35
	1	1012.21	1012.18	1012.17	1012.12	1012.09	1012.08	1012.06	1012.02	1011.99	1012.00	1012.01	1011.98	1012.07
	2	1011.98	1012.02	1012.04	1012.07	1012.10	1012.12	1012.14	1012.15	1012.14	1012.15	1012.17	1012.18	1012.10
	3	1012.18	1012.19	1012.20	1012.21	1012.21	1012.21	1012.26	1012.33	1012.38	1012.42	1012.44	1012.47	1012.29
	4	1012.50	1012.53	1012.55	1012.57	1012.62	1012.68	1012.72	1012.76	1012.80	1012.82	1012.82	1012.84	1012.68
	5	1012.86	1012.89	1012.93	1012.94	1012.91	1012.91	1012.92	1012.93	1012.96	1012.99	1013.01	1013.00	1012.93
	6	1013.01	1013.02	1013.01	1013.05	1013.11	1013.17	1013.20	1013.20	1013.22	1013.25	1013.28	1013.34	1013.15
	7	1013.37	1013.36	1013.35	1013.33	1013.32	1013.30	1013.28	1013.29	1013.30	1013.32	1013.32	1013.32	1013.32
	8	1013.33	1013.35	1013.36	1013.34	1013.31	1013.30	1013.33	1013.35	1013.34	1013.35	1013.37	1013.37	1013.34
	9	1013.37	1013.40	1013.41	1013.40	1013.40	1013.38	1013.34	1013.31	1013.30	1013.26	1013.23	1013.22	1013.33
	10	1013.20	1013.19	1013.15	1013.11	1013.09	1013.05	1013.02	1013.00	1012.97	1012.96	1012.94	1012.86	1013.04
	11	1012.76	1012.67	1012.59	1012.55	1012.51	1012.47	1012.46	1012.44	1012.37	1012.31	1012.29	1012.28	1012.47
	12	1012.25	1012.23	1012.20	1012.16	1012.13	1012.09	1012.05	1012.01	1011.99	1011.96	1011.94	1011.97	1012.08
	13	1012.00	1011.96	1011.94	1011.96	1011.96	1011.95	1011.98	1012.00	1012.03	1012.05	1012.01	1011.98	1011.98
	14	1012.01	1012.03	1011.98	1011.96	1011.99	1011.98	1011.97	1011.98	1011.94	1011.91	1011.93	1011.87	1011.96
	15	1011.86	1011.88	1011.88	1011.86	1011.83	1011.84	1011.83	1011.81	1011.81	1011.80	1011.78	1011.77	1011.83
	16	1011.72	1011.70	1011.70	1011.64	1011.60	1011.58	1011.57	1011.56	1011.54	1011.52	1011.50	1011.52	1011.59
	17	1011.55	1011.58	1011.58	1011.60	1011.59	1011.55	1011.52	1011.50	1011.49	1011.49	1011.50	1011.50	1011.53
	18	1011.51	1011.48	1011.46	1011.43	1011.42	1011.43	1011.45	1011.47	1011.50	1011.54	1011.59	1011.65	1011.49
	19	1011.71	1011.78	1011.83	1011.88	1011.92	1012.01	1012.08	1012.12	1012.16	1012.20	1012.26	1012.33	1012.02
	20	1012.40	1012.44	1012.46	1012.49	1012.52	1012.54	1012.58	1012.65	1012.69	1012.67	1012.64	1012.61	1012.56
	21	1012.58	1012.56	1012.57	1012.60	1012.64	1012.68	1012.72	1012.76	1012.82	1012.90	1012.96	1013.02	1012.73
	22	1013.07	1013.09	1013.07	1013.07	1013.08	1013.10	1013.12	1013.12	1013.16	1013.20	1013.24	1013.26	1013.13
	23	1013.29	1013.32	1013.33	1013.34	1013.33	1013.29	1013.28	1013.29	1013.31	1013.33	1013.31	1013.27	1013.30



