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**SVIRCO Prompt Report: July 2012**

Fabrizio Signoretti and Francesco Re

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**ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI**

**AREA DI RICERCA ROMA - TOR VERGATA**

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



## **SVIRCO Prompt Report: July 2012**

**Fabrizio Signoretti and Francesco Re**

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

### **Abstract**

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



## SVIRCO OBSERVATORY

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

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

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

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

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

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

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

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

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

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

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

## DATA PRESENTATION

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

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

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

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

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

## CONDITIONS FOR SVIRCO DATA USE

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

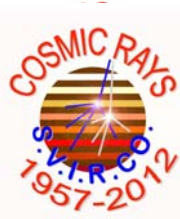
*-You agree to acknowledge our financial supports in any published use of the data.*

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

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

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

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



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

Rome

Italy







		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
1	0	46433	44964	45509	45902	45996	45782	46372	45670	45359	45505	45460	45439	99.370	
	1	45774	45458	45941	45650	45474	45488	45355	45150	45627	46025	45950	45152	99.132	
	2	45057	45194	45437	44996	45180	45691	45139	45573	45583	44979	46035	45574	98.660	
	3	44903	45527	45526	45947	45226	45688	45448	45807	45584	45307	45967	46040	99.119	
	4	46147	45502	45082	45261	46032	45707	45578	45381	45375	45162	44915	45397	98.860	
	5	45451	45114	45450	45796	45650	45687	45886	45847	45618	45677	45945	45349	99.209	
	6	45844	46359	45691	45552	45384	45486	45765	45845	45808	45279	45881	44984	99.283	
	7	45675	45232	45746	45550	45869	46078	45343	46034	46108	45657	46127	45494	99.471	
	8	45875	46209	46019	45891	45652	45254	46518	45976	46196	45478	45736	45597	99.741	
	9	45586	46078	46143	46286	45992	46021	46225	45597	45825	45804	45430	45102	99.684	
	10	45854	45637	45916	45970	46083	45767	45729	46179	45720	46078	45807	45804	99.767	
	11	46127	45607	45741	46087	45773	46322	46429	45987	45416	45452	45613	46189	99.802	
	12	45283	46191	46339	46499	45935	45830	45920	46503	45487	45993	45904	45362	99.894	
	13	45473	46179	46172	45653	45092	46392	46076	46228	46370	46320	45461	45947	99.915	
	14	45927	46640	45371	45644	45516	45735	45986	46066	45814	45834	45795	46054	99.737	
	15	45284	46073	46007	45350	46135	44804	46099	45957	45760	45950	45345	45127	99.286	
	16	45961	46785	45987	45915	45976	46362	46181	45601	45576	45996	46399	44971	99.978	
	17	45379	45853	45732	46047	45523	45373	46261	45035	45310	45729	45956	45679	99.283	
	18	45880	45661	46045	46092	45088	45102	45671	45556	45748	45562	45246	45581	99.166	
	19	45781	45382	45461	45765	46171	45691	46175	45880	45554	45870	44983	45125	99.276	
	20	45578	46338	45931	45530	45741	45502	45728	45560	45785	46164	46204	45593	99.605	
	21	45562	44900	45478	46107	45606	45357	45429	45868	45672	45553	45300	45449	98.994	
	22	45463	45700	45622	45403	45967	45231	45439	45674	45117	45774	45242	45447	98.957	
	23	45410	45232	45026	45517	45272	45268	45040	45722	45524	45534	45259	45098	98.563	
2	0	45580	45445	45035	45547	45127	45857	45085	45243	45418	45444	45291	45852	98.743	
	1	44973	45414	45767	44634	45575	45919	45093	44993	45284	45533	45497	45207	98.560	
	2	45712	46291	45424	45553	45561	44924	45667	45976	45868	45613	45787	45956	99.366	
	3	45307	45126	45606	45361	45501	45779	45409	46297	45252	45399	45619	45570	98.984	
	4	45874	45508	45333	45861	45896	45421	45717	45371	45337	45259	45235	45508	99.001	
	5	46117	45832	45505	46018	45546	45575	45897	45874	45830	45759	45368	45034	99.370	
	6	45077	45457	45487	45518	45834	45918	44912	45906	45586	45171	45289	46017	98.974	
	7	46100	45683	44749	45879	45357	45964	45702	45672	45151	45364	45656	45648	99.110	
	8	45563	46703	45351	45384	45383	45633	46253	45583	45611	44975	45820	45731	99.304	
	9	46064	45350	45706	45436	46328	45961	45533	45315	45938	45461	46003	45883	99.483	
	10	45829	45601	46066	45648	45618	45561	45791	44890	45703	45407	45379	45466	99.117	
	11	45530	46097	46225	45449	45470	45776	45197	45707	45896	45672	45224	45329	99.228	
	12	45701	46025	45430	45608	45582	45077	45337	46219	45368	45583	45879	45770	99.229	
	13	45609	45245	45313	45696	45877	45728	45425	46350	46339	46075	46134	45949	99.620	
	14	45681	45762	45386	45946	45517	46192	46128	45978	45670	46082	45385	45544	99.535	
	15	45856	45981	45584	46340	46315	45874	45500	45911	46103	46166	45822	46241	99.975	
	16	45833	46037	46150	46000	46244	46154	45818	46365	45225	45677	45557	45445	99.759	
	17	45913	45895	45402	46110	45492	45277	45766	45762	45308	45793	46384	45934	99.493	
	18	46574	46143	45310	44871	45307	45501	46080	45052	45415	45399	45455	45302	99.018	
	19	46033	45367	45759	45638	46511	45412	45714	45848	45359	45965	45851	46065	99.581	
	20	45944	45608	45618	45703	45743	45910	45676	45761	45780	45724	45500	46115	99.501	
	21	45924	45946	45455	45862	45007	44838	44987	45323	46021	45246	45831	45695	98.967	
	22	45938	46047	45560	45933	45465	45802	44977	45448	45864	45577	46193	45619	99.382	
	23	45889	45865	45563	45397	45883	45601	44892	45600	45126	46253	45982	45152	99.161	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
3	0	45965	45507	45359	45486	45712	45199	45660	45331	45528	44951	45405	45804	98.926	
	1	45238	45726	45819	45153	46003	45408	45680	46106	46075	45506	46021	45588	99.364	
	2	45250	45982	46152	46370	44855	46190	45532	45713	45305	45154	45508	45786	99.269	
	3	45674	45621	45299	45374	45479	45633	45482	45219	45637	45477	45301	45336	98.858	
	4	44929	46008	45653	45824	45291	45831	45656	45017	46191	45704	45379	45112	99.051	
	5	45352	45714	46017	45817	45633	45520	45023	45706	45762	44928	45218	45420	98.963	
	6	45640	46040	45566	45220	45326	45922	45876	45377	45688	45510	45147	45101	99.018	
	7	45265	45789	45634	45969	45314	45984	45346	45592	45474	45542	45528	45582	99.128	
	8	45903	45031	44972	45638	45416	45627	45005	44837	45371	45521	45250	45039	98.510	
	9	45309	45796	45496	46251	45816	45389	44643	45281	45317	45619	45470	46100	99.031	
	10	46415	45505	45309	45665	45473	45772	45400	45747	45889	45789	45612	45391	99.299	
	11	45356	45945	46423	45604	45740	45047	45839	45288	45562	45779	45919	45414	99.290	
	12	45600	45397	45742	46362	45544	45404	45776	45722	45381	46105	45407	45608	99.314	
	13	45846	45274	45479	45563	45334	45955	45658	45227	45853	45739	45618	46139	99.249	
	14	45765	45589	45380	45853	46024	44557	45713	46125	46077	44716	45709	46106	99.236	
	15	45424	45513	45718	45515	45333	46103	45985	46243	45247	45332	45611	45522	99.223	
	16	45667	44862	45862	45272	45606	45693	45972	45878	45485	45802	44946	45750	99.087	
	17	45435	45870	45312	45684	45420	45212	45601	45250	45127	44871	45710	44636	98.604	
	18	45764	45548	46015	45780	45535	45393	45154	45228	45354	44980	45291	45398	98.841	
	19	46045	45365	45451	46108	45253	45266	45053	45929	45187	45624	45615	45348	98.987	
	20	45784	45727	45438	44719	45635	46053	44315	44977	45526	46042	45383	44824	98.657	
	21	45161	46016	45626	45293	44983	45531	45320	45118	45839	45637	45895	45027	98.843	
	22	45789	45121	46064	46187	44992	45599	45122	45220	45273	45944	44793	44904	98.763	
	23	45936	45408	45447	46143	45446	46000	44901	45168	45122	45185	45349	46048	98.971	
4	0	45998	45243	45766	45458	45867	45555	45391	45333	45578	45389	45793	45930	99.175	
	1	45003	45322	45418	44911	45675	45988	45737	45405	45179	45130	45523	45489	98.722	
	2	45028	45537	45810	44799	44854	45118	45998	45398	44640	45675	45566	45819	98.624	
	3	45099	44831	45616	45133	45510	44816	45506	45450	45310	45687	45686	45405	98.589	
	4	45350	45629	45412	45505	45626	45630	44812	44787	44851	45385	44919	45904	98.546	
	5	45737	45116	44852	45180	45222	45201	45198	45020	44934	45601	45439	45522	98.403	
	6	45733	45725	45234	44711	45356	45478	45834	45535	45409	45980	46211	45168	99.011	
	7	45125	45189	45113	45693	45747	46043	45657	46242	45724	45323	46394	45117	99.191	
	8	45738	46174	45015	44903	44958	45909	45807	45230	45354	44719	45491	45456	98.717	
	9	45936	45740	46183	45803	45460	46567	45720	45857	45767	45985	46528	45976	99.944	
	10	46082	45679	45731	45310	46105	45928	46114	45721	45810	46146	44771	45373	99.445	
	11	46359	45540	45839	46412	45862	45252	45669	45475	45754	45767	45907	45871	99.615	
	12	45353	45789	46289	45688	45793	45906	45372	46072	46174	46104	45607	45755	99.650	
	13	44952	45419	45511	45755	45813	44833	45638	45669	45753	45300	45956	45615	98.982	
	14	45441	45947	45669	45850	45589	45466	44961	45600	45492	45628	45576	45932	99.151	
	15	45261	45748	45129	45583	45139	45564	45355	46291	45756	44690	45472	45489	98.848	
	16	45091	45255	45038	45097	45373	45813	45430	45176	45553	45545	45707	44741	98.548	
	17	45495	45516	45496	44824	45353	45217	45447	45370	44907	44846	45931	45263	98.520	
	18	45173	45421	45425	45344	45334	44939	45112	45479	45569	45635	45316	45288	98.587	
	19	45611	45282	44928	45581	45316	45283	45425	45733	44860	44893	45155	45103	98.430	
	20	45365	44784	44429	44937	45082	45334	45665	44919	45051	44825	45027	45240	97.975	
	21	44854	45686	45125	45343	45317	45339	45804	45121	45099	44846	44494	45470	98.308	
	22	45006	44661	44791	45267	45439	45268	45147	45362	45814	44867	45340	45116	98.233	
	23	45377	44781	44691	45135	45230	45475	44885	45286	44656	45513	44933	44520	97.943	

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		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	45122	45592	46091	44888	45519	45742	45282	45089	45163	45423	45319	44892	98.604	
	1	45037	44279	45503	44874	45395	45249	45210	45306	45635	45208	44463	44747	98.020	
	2	44910	44516	45163	44955	45399	44989	44609	44787	45099	45166	44914	45330	97.826	
	3	45071	45183	44486	45311	44947	44426	45037	45509	45364	44361	44675	45271	97.791	
	4	44807	44826	44844	44929	45051	45188	45628	45027	44706	45252	45111	45089	97.939	
	5	45253	45263	44477	44851	45443	44954	45122	44911	45118	44900	44746	45034	97.869	
	6	44812	45065	44714	45149	45275	44441	45051	45370	44963	45737	44776	44892	97.900	
	7	45141	44999	44671	44959	44526	44618	45205	44979	45352	45114	44978	44837	97.743	
	8	44774	44725	44451	44497	44443	45231	44794	45330	45073	44837	44475	45007	97.428	
	9	45245	45549	45540	45154	45042	45219	44782	44587	45008	44948	44743	44994	98.003	
	10	45230	44704	45073	44815	44771	44954	44990	44375	44673	45153	44450	44274	97.395	
	11	44393	44202	44072	44682	45116	44649	44635	44999	44415	44660	44357	44198	96.837	
	12	44329	44646	44124	44490	44289	44325	44666	44276	44412	44266	44343	44453	96.518	
	13	44257	44193	44737	44634	44416	44998	44813	44151	44597	43646	44618	44027	96.603	
	14	44199	44365	44426	44544	44314	43994	44426	44013	44567	44053	44261	44522	96.349	
	15	44927	44525	44418	44676	44778	43575	43727	44922	44740	44539	44455	44500	96.729	
	16	44316	44873	44531	44950	44750	44550	44350	44532	44155	44709	44787	44125	96.882	
	17	44349	44042	44274	44426	44147	44057	44009	44588	43985	44436	44520	43921	96.180	
	18	43971	44455	44497	44567	44468	44355	44164	45163	44221	44305	44006	44332	96.497	
	19	44653	43966	44788	44211	43846	44461	44435	44048	44472	44151	44283	43799	96.246	
	20	44351	44369	44424	44361	44245	43884	44428	44293	44093	44002	44591	43920	96.218	
	21	44231	44770	43861	44490	44621	43994	44781	44126	43561	44077	44437	43778	96.176	
	22	44442	44575	44021	44366	44482	44912	44775	44955	44333	44705	44274	44475	96.826	
	23	45112	44572	44724	45241	44833	44793	44697	45364	45070	44359	44131	44616	97.405	
6	0	44253	43823	44483	45004	44982	44951	44584	44611	44233	44638	44354	45086	96.948	
	1	44994	44834	44733	44853	44261	44607	44898	44801	44710	45089	43779	44299	97.105	
	2	45315	44229	43897	44732	44451	44750	44375	44960	44417	45001	44619	44533	97.000	
	3	44794	44822	44602	44810	44524	44510	44946	44715	45276	44823	44353	44639	97.279	
	4	44073	44738	44666	44593	44447	44919	44384	44747	44975	44574	44588	45256	97.124	
	5	44859	44927	44693	44753	44441	44018	44676	45137	44885	44943	45154	44876	97.377	
	6	44901	45246	44759	45148	44587	45072	44944	44609	44652	44380	44680	44355	97.373	
	7	45646	44761	44948	44790	45032	44052	45293	45082	45172	44935	45145	45387	97.900	
	8	45283	44441	44898	44699	45450	45170	44814	45538	44485	44918	45566	44669	97.843	
	9	45236	45073	45092	45326	43859	45296	44877	44742	44853	44956	45070	44549	97.662	
	10	45091	45073	44869	44793	45338	45268	45116	45173	44931	44946	44926	45148	97.977	
	11	45116	45494	45486	44991	44201	45465	45361	44949	44460	44975	44967	45199	97.976	
	12	44953	45504	45594	45191	45247	44582	44770	45081	45403	45202	44911	45240	98.160	
	13	44921	44371	44992	44659	45441	45294	45513	44150	44714	44691	44908	45154	97.640	
	14	45156	45269	44465	45176	45197	45050	45153	45155	45125	44671	45122	44898	97.935	
	15	44807	44751	44800	44807	45056	45494	45314	44878	44669	44891	44484	44360	97.550	
	16	44858	44927	44297	44990	44393	45179	44523	44305	44762	44880	44707	44750	97.234	
	17	44695	45294	43815	45067	44863	44363	44507	45032	44267	44967	44781	44875	97.226	
	18	44300	44587	44888	44152	45115	45056	44637	44892	44971	44650	44920	44578	97.266	
	19	44306	45033	44384	44724	44810	44567	44313	44973	45048	44960	45073	44802	97.311	
	20	44511	45050	44521	44539	44892	45365	44799	44325	44962	44711	45065	44725	97.396	
	21	45106	44707	44883	45190	45384	44994	44863	44747	44667	44945	44790	44879	97.702	
	22	44855	45657	45341	44357	44993	44480	44782	44088	44826	44145	44678	44935	97.337	
	23	44581	44664	44307	44274	44676	44470	44334	44776	44279	44588	43997	44701	96.705	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
7	0	44121	44674	44367	44671	44277	44410	45116	44381	43628	44973	44833	44910	96.833	
	1	44459	44921	44505	45173	44992	44089	44634	44359	44836	44765	44265	45025	97.135	
	2	44699	45095	43886	44320	45198	44861	44627	45077	44426	44624	44706	44561	97.145	
	3	44802	45206	44658	44371	45229	44569	44777	45127	44706	44742	44438	44336	97.305	
	4	45217	44858	44605	44483	44415	44832	44782	44739	45000	45187	44615	44101	97.282	
	5	45568	44502	44616	44459	45050	44551	45160	45098	44353	44290	45723	44524	97.474	
	6	44873	44786	45157	44845	44551	44879	45307	44899	44586	44903	44071	44740	97.420	
	7	44745	45113	44269	44924	45217	44324	44649	44711	45156	45096	44396	45615	97.532	
	8	44922	44706	45345	45014	45498	45314	45111	45324	44967	45390	44721	45301	98.148	
	9	45445	44887	45322	45105	44774	44855	44870	44966	44880	44862	45158	44726	97.829	
	10	45976	45073	45319	44448	45310	44936	44924	45180	45245	44824	45724	45595	98.319	
	11	45959	45443	45361	45436	44848	45429	45521	44840	44770	44792	45423	45048	98.376	
	12	44490	45232	45120	45123	45288	45589	44640	45435	44628	45356	45695	45926	98.313	
	13	45401	45305	44640	45225	45474	45285	45368	45220	45135	45406	45182	45310	98.390	
	14	45110	45092	44712	45287	44992	45098	45122	45345	45321	44623	44835	45117	97.974	
	15	44450	45387	44980	45056	44993	45269	44986	45026	45157	45947	44902	44756	98.020	
	16	45699	45734	45323	45735	45016	44563	45320	45108	45112	45229	44887	45381	98.419	
	17	44931	45275	45155	45326	44944	45090	44358	44871	44603	43890	45343	45359	97.701	
	18	44752	45188	45208	45158	45088	45202	45045	45056	45325	44241	44333	45017	97.786	
	19	45281	44611	44945	45110	44378	45243	44546	44878	44980	44770	44987	44118	97.465	
	20	44903	44457	44771	44938	44616	44525	45130	45017	44799	44918	45296	44571	97.483	
	21	44895	44839	44241	44853	44926	44517	44491	44780	44638	44939	44946	44226	97.183	
	22	45314	44660	44389	44526	44638	45155	44799	44974	45111	43970	45041	44789	97.378	
	23	44514	44971	44688	44669	45085	45020	44920	44983	44958	44830	44930	45514	97.689	
8	0	45241	44985	44504	44510	44487	44692	44881	45176	44371	44900	44793	44423	97.305	
	1	45191	44791	44839	44721	44853	44200	44695	45018	44565	44173	44890	44700	97.246	
	2	44108	44713	45406	44376	44615	45340	44673	45227	45374	44366	44750	44833	97.454	
	3	44214	44656	44922	44696	44590	45390	44926	44819	44687	44753	44930	44369	97.303	
	4	44310	44455	43945	44486	44020	45097	44804	44800	45226	44945	44263	44613	96.943	
	5	44567	44476	44692	44380	44865	44793	44986	44869	44388	45473	45033	44873	97.384	
	6	44480	44439	44634	44780	45154	44646	44698	44037	44206	44435	44341	44966	96.916	
	7	44670	44617	44781	44792	44659	44923	45169	45151	45047	45055	44680	45250	97.637	
	8	45173	45437	44631	45600	45073	45259	45181	44804	45405	45367	44843	44429	98.074	
	9	44846	45092	45116	45246	45128	45286	44879	45062	45206	44925	44967	45088	98.008	
	10	45508	45139	44410	44617	44632	45215	44889	45491	45152	44949	44954	45014	97.851	
	11	44769	45221	44499	45187	44794	45430	44597	45051	45116	45379	45109	45144	97.909	
	12	45151	45942	46011	45205	45314	44887	45048	44974	44740	44645	45226	44451	98.144	
	13	45332	44759	44904	44688	45033	45072	45154	45245	45279	44813	45479	44978	97.989	
	14	45010	45083	45071	45432	44885	44891	44892	44629	45636	45179	44599	45051	97.921	
	15	44964	44601	44754	44281	45217	44577	44544	44960	44440	45199	44534	44122	97.165	
	16	44532	44525	44611	44623	44429	44992	45155	45410	44823	44896	45222	44424	97.429	
	17	44610	45220	44710	44713	44200	44813	44852	44724	44316	44525	44272	44272	96.991	
	18	44457	44204	44439	43902	44155	43523	44361	44468	44472	44092	44194	44052	96.101	
	19	44335	44510	43766	44339	44119	44692	43532	44193	43493	43669	44867	44217	95.995	
	20	43942	43407	43836	44296	44285	44620	44241	43660	44084	44328	43966	44192	95.836	
	21	44226	44022	43349	44605	44371	43863	43485	44306	44103	44427	43968	44204	95.849	
	22	44734	44425	44380	44168	44240	44079	43979	44216	44232	44285	43383	44976	96.242	
	23	44114	44571	44221	44822	44452	44619	43646	44389	44685	44464	44523	44185	96.531	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
9	0	44497	44169	43943	44363	43955	44005	43985	43890	44606	44460	44643	44535	96.233	
	1	43984	43956	44358	44649	44296	44367	44167	44311	44060	44499	43952	43916	96.137	
	2	45148	43966	44155	44050	44579	44155	44202	44686	44636	44754	44220	44323	96.564	
	3	44346	44165	44620	43618	43803	44584	43815	44353	44978	44208	43885	44305	96.167	
	4	44788	44425	44040	44131	43994	44345	44708	44660	44109	43969	44163	43877	96.263	
	5	44276	44426	44318	43671	44139	44351	44601	43680	44356	44667	44283	44295	96.236	
	6	44038	44250	44659	44255	44471	44042	43873	44668	43940	44172	43917	44259	96.142	
	7	44709	44364	43212	43896	44292	44457	44410	44290	44458	45234	44494	44690	96.498	
	8	44330	44276	44275	44741	45139	44443	44548	45276	44894	44823	44240	44709	97.076	
	9	44315	44763	44764	44681	44794	44342	45050	45358	44616	45003	44352	43828	97.107	
	10	44150	44855	44205	44698	44824	44236	45034	44663	44331	45033	44259	45087	97.017	
	11	44543	45173	44603	44707	44280	44656	44804	45253	45472	45243	45110	44992	97.645	
	12	45253	44934	44581	45354	45120	44933	44787	45186	45544	44446	45068	45397	97.965	
	13	44969	44973	44998	44843	44710	45559	44977	44830	44745	45435	45288	44854	97.888	
	14	44843	44904	45638	45179	45163	44725	45026	45206	45596	45338	45734	45234	98.324	
	15	44950	45246	45085	45258	45032	45436	44564	45007	44584	44883	45033	44685	97.813	
	16	44960	45302	44994	44948	45031	45067	44733	44745	44833	45363	45028	44738	97.809	
	17	45203	44437	44747	45471	45051	44815	44361	44388	44955	44372	45166	45214	97.526	
	18	45014	44340	45031	44691	44946	45408	44429	45297	44754	44938	44778	44557	97.526	
	19	44456	44771	44806	45372	45368	45713	44571	44811	44869	44179	44969	45138	97.679	
	20	45378	44665	44794	44566	45541	44816	45153	43994	44816	45337	44604	44896	97.595	
	21	44800	45492	45130	44708	44460	45028	44150	44336	44417	44582	45727	45351	97.526	
	22	45109	44867	44948	45256	45057	44293	44564	44644	44626	45079	45360	45208	97.677	
	23	45009	44609	45079	45369	44563	45031	44397	44929	44642	45003	44740	44795	97.523	
10	0	45096	44931	44843	44581	45323	44698	44544	44838	44773	44457	45019	44501	97.421	
	1	44524	44910	44617	45392	44670	44400	44658	45031	44337	44989	44617	44186	97.191	
	2	44693	44411	44162	44595	44562	45173	44595	44101	44057	44422	44044	43951	96.544	
	3	44018	43872	45225	44189	44700	44161	44654	44456	44961	45067	44814	44844	96.943	
	4	44366	44362	44625	43962	45096	44600	45729	44896	45024	44377	44866	44555	97.214	
	5	44769	44402	44761	44553	44823	44687	44726	44353	45286	44938	44689	45022	97.314	
	6	45069	44638	44610	44779	44757	43971	45032	44792	44386	44842	45072	45032	97.309	
	7	44944	44713	45054	44888	45113	44646	44690	44683	44367	44816	44757	44517	97.346	
	8	44971	44744	44669	44590	44633	44629	44353	44964	44711	45414	44502	45410	97.419	
	9	44687	44719	44205	45014	44434	44902	44911	44022	44613	44716	44103	44891	96.989	
	10	44776	45123	45028	44704	44811	45105	44855	45247	45445	44225	44962	45106	97.745	
	11	44960	45268	44566	45296	45113	45368	45252	45693	44804	45288	45653	45495	98.355	
	12	45311	44976	45619	45269	45254	45194	45286	44716	45338	45053	45386	45511	98.384	
	13	45718	45266	46257	45490	44869	45843	44318	45025	45193	45585	45021	44879	98.483	
	14	45111	45269	44892	45501	45345	45341	46147	45734	45408	45258	45563	45479	98.770	
	15	45495	45477	45331	45383	45449	45027	45469	44962	44703	45349	44725	44736	98.237	
	16	45241	44917	45177	45390	45567	45175	44890	45192	44684	44859	44833	44922	98.009	
	17	44561	45332	45181	45242	44813	45211	44850	45262	45352	45018	45378	45380	98.142	
	18	45068	44784	45479	45007	44934	45176	45156	44929	44692	44496	44853	45455	97.861	
	19	44594	44825	45138	44998	44814	45270	44928	44856	44982	44891	44881	44984	97.704	
	20	44843	44576	45329	44756	44821	45172	44910	44762	45025	45110	44525	44907	97.626	
	21	44813	44884	44836	44641	45064	44465	44566	45874	44454	45116	44791	44579	97.508	
	22	45471	44660	44960	45053	44741	45291	44513	44236	44848	45130	44950	44764	97.605	
	23	44943	45058	44890	44846	45221	44690	44927	44932	45245	45178	44796	44798	97.769	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
11	0	45325	45006	44929	44844	44626	44771	44888	44490	44539	44616	45330	45730	97.692	
	1	44624	44825	45081	45079	44906	44543	44421	44846	45216	44376	44473	44564	97.303	
	2	44662	44279	44602	44611	45186	44744	44485	44918	44783	44236	44686	44948	97.156	
	3	44562	44852	45113	43989	44854	45109	44663	44542	44158	45041	45146	44933	97.305	
	4	44923	45308	44625	44300	45035	45116	44696	44932	44690	44391	44500	45045	97.414	
	5	45309	45488	45340	44732	45722	44922	45034	44985	45017	44971	44642	44745	98.020	
	6	44779	45330	45421	45120	45738	44702	44260	45019	45109	44962	45404	44879	97.987	
	7	45294	45658	45232	45771	45222	44997	45171	44638	44864	45476	45676	44877	98.377	
	8	45276	45056	46209	45030	45498	46184	45085	45416	45434	45323	45396	45578	98.849	
	9	45220	45271	45524	45722	45466	45327	45309	45439	45283	45385	45325	45118	98.651	
	10	45265	45316	45423	46139	45482	44622	45283	45174	45022	45921	45663	45136	98.661	
	11	45095	45152	44976	45257	45713	45112	45757	45291	45298	45378	45177	45468	98.521	
	12	45321	45562	45507	45910	45640	45852	44825	45624	45364	45040	46259	45589	99.032	
	13	44938	45683	45183	45995	44857	45552	44992	44736	45586	45993	45982	45122	98.693	
	14	45749	45615	45111	45231	45198	45499	45265	45235	44543	45000	45607	45571	98.512	
	15	45540	46067	45179	44977	45270	45643	45487	45488	45186	44885	44798	44758	98.449	
	16	44394	45347	44939	45139	45465	45466	44994	46460	45950	45375	45592	45605	98.711	
	17	45431	45326	45255	45035	45357	45154	44757	45330	45476	44946	45147	45200	98.293	
	18	44895	45527	45478	45503	45306	45062	45106	45429	44562	45789	44889	45432	98.395	
	19	44662	44972	45452	44633	45097	45581	45137	45049	45677	44659	44995	45045	98.030	
	20	45223	44538	44624	45191	44820	45138	45030	45167	44944	45591	44974	44336	97.779	
	21	45017	44975	44839	44517	44656	45124	44942	44441	45315	44698	44866	44815	97.531	
	22	45142	44805	44958	44970	45138	45270	44956	45657	45026	44910	44996	44792	97.968	
	23	45391	45053	45631	46015	45398	45995	44846	45322	45765	44987	45097	45235	98.714	
12	0	45515	45703	45206	45598	45190	44895	45783	45715	45459	45675	45794	45828	99.000	
	1	45783	45577	45679	46123	45799	45423	45257	45391	44649	45469	45188	45785	98.965	
	2	45475	45302	45390	45124	45739	44751	45484	45365	45810	46024	45364	45407	98.804	
	3	45449	46041	45381	45024	45239	44597	45343	45079	45051	45090	45360	45555	98.438	
	4	45501	45359	45257	45259	45397	45874	45643	45133	44850	45330	45158	45756	98.674	
	5	44792	45509	45068	45505	45462	45036	45793	44959	45282	45414	45281	44623	98.349	
	6	45049	45249	45419	45398	45447	44866	44488	45002	45013	44926	45147	44480	97.942	
	7	45150	44578	44728	44208	44976	45096	45217	45148	45029	44941	45934	44890	97.838	
	8	44691	45450	45481	45612	45514	44850	45240	44368	44495	45211	44985	45083	98.033	
	9	44944	44988	44688	45009	44894	44958	46023	45075	45141	45085	45117	44887	98.002	
	10	45202	44743	45021	44936	45452	45324	44991	45475	45008	44721	45632	45207	98.166	
	11	45165	45075	45273	44773	45255	45649	45077	45647	45123	45437	44774	45512	98.356	
	12	45476	45281	44703	45751	44808	45357	44599	45329	45229	45473	46003	45379	98.470	
	13	45512	44758	45429	45667	45021	45704	45260	45219	45438	45835	45428	45341	98.692	
	14	45519	45271	45777	45486	45670	45320	45644	45233	45442	46086	45331	45302	98.957	
	15	45537	45515	45413	45205	45144	45612	45081	45244	45654	45750	45167	45591	98.746	
	16	45555	45114	45654	45288	45086	45179	45548	45737	44978	44860	45050	45282	98.460	
	17	44678	45746	45718	46059	45094	45552	45880	45117	45749	45571	45278	45046	98.850	
	18	45411	45227	45421	45490	45680	45495	45538	45813	45492	45276	45109	45481	98.840	
	19	45407	45234	45348	45070	45259	45356	45944	45982	45204	45268	45338	45493	98.744	
	20	45049	45775	45557	45606	45485	45561	45510	45986	45663	44743	45460	45424	98.910	
	21	45540	45446	45706	45113	45303	45135	45014	45697	45184	45545	45391	45243	98.638	
	22	45113	45304	44883	45036	45742	45045	45109	45374	45280	45753	45107	45131	98.377	
	23	45176	45838	45011	45044	45159	45663	45242	45367	45652	44743	45314	45517	98.531	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
13	0	44820	45525	45245	45126	45132	45661	45255	44660	45566	45319	45500	45443	98.439	
	1	44825	45112	44825	44980	44363	44764	44608	44644	45047	44963	45200	45128	97.577	
	2	44658	45063	44947	44657	44684	45040	44957	44708	44997	45197	44757	44424	97.509	
	3	44700	44933	45215	44764	45320	44345	44764	44988	45044	44678	45559	45366	97.797	
	4	44972	44931	45300	44540	45116	44908	44916	44522	45299	44699	45408	44845	97.757	
	5	44848	44374	45031	45043	45374	44829	45538	44780	45438	45120	44382	45339	97.873	
	6	44919	44715	45071	44870	44949	44516	45606	45019	45568	45604	45061	45361	98.084	
	7	45214	45125	45013	44632	45104	45495	45122	44590	45262	44848	45145	45200	97.991	
	8	44995	45324	45525	45021	44907	44848	44776	45619	44942	45094	45261	45925	98.261	
	9	45187	45053	45222	44750	45160	44966	44938	45210	45383	44893	44693	46338	98.180	
	10	44791	45175	45289	45033	44983	45786	45225	44689	45306	45887	44591	45781	98.315	
	11	44411	45630	44691	45100	44846	45673	45294	45155	44984	45593	45379	44631	98.107	
	12	45421	45678	45774	44942	45408	45225	44933	45772	45038	45038	45261	44833	98.458	
	13	45267	45266	45053	45299	45135	44864	45195	45048	44981	45154	45332	45559	98.245	
	14	45977	45429	45639	45459	45318	44811	45138	45302	44793	45745	45484	45378	98.666	
	15	45195	44824	45205	44877	44906	45087	45261	45065	44785	45663	44565	45373	98.002	
	16	45117	45384	44944	44965	45078	45581	44981	45521	44783	44907	45031	45419	98.166	
	17	45074	45386	44782	45308	44537	45587	45626	45050	45245	44652	45391	45271	98.201	
	18	44836	45428	45085	45783	45099	45606	45294	45978	45446	45245	45382	45440	98.693	
	19	45303	45212	45040	45702	45472	45161	45938	45175	45712	45321	45352	45695	98.777	
	20	45380	45042	45591	45218	45898	45349	45120	44706	45970	44903	44732	44993	98.382	
	21	44918	45253	45589	45256	45110	45186	44931	44813	45632	44700	44993	45489	98.195	
	22	44616	45099	44818	44525	45281	44266	45066	45026	44512	45415	45288	44799	97.622	
	23	45188	45001	45041	45279	45132	44585	44891	45141	44255	44804	44386	44630	97.554	
14	0	44273	44587	44389	44896	44121	44291	45566	44752	44717	44713	44913	44975	97.165	
	1	44956	45454	44817	44444	44917	44875	45467	44840	45072	44880	45349	44520	97.782	
	2	45469	44831	45005	45065	44988	44718	45031	44835	44945	44601	44952	45266	97.802	
	3	44575	44696	44910	45515	45122	45308	44718	44889	45090	44704	44780	45472	97.816	
	4	45129	45216	45582	44901	45283	45189	45152	45034	44610	44732	45121	45643	98.144	
	5	44446	44689	44689	45352	45199	45018	45193	44911	44931	44762	45590	45127	97.839	
	6	44565	45275	45285	45597	45658	45409	45538	45015	45252	45072	45223	45091	98.396	
	7	45265	44744	45274	45470	45781	45481	45208	44846	44506	45313	45083	44745	98.166	
	8	45152	45421	45153	45250	45374	45887	45200	44937	45079	45024	45066	44859	98.291	
	9	45013	44992	45519	45614	44876	45206	46049	45222	45886	45813	45386	45615	98.796	
	10	45186	45539	44812	45246	45622	45538	45786	45482	45113	44902	45447	44823	98.489	
	11	45527	45084	44975	45214	45852	45463	45116	45864	45446	45658	45107	45692	98.761	
	12	45748	45741	45547	45308	45615	45586	45562	45861	45107	45528	45299	45604	99.035	
	13	45465	45951	45278	45632	45587	45699	45539	45266	45390	45873	45863	45592	99.149	
	14	45460	45862	45721	45289	45168	45817	45064	44790	45964	45687	44981	45161	98.755	
	15	45428	45551	45481	45067	45206	45338	45582	46189	45502	44963	44996	45144	98.661	
	16	45558	45456	44818	45039	46136	45116	45219	45653	45538	45622	45701	45263	98.783	
	17	45503	45297	45253	46181	45112	45379	45408	45224	45215	45841	45428	45321	98.791	
	18	45205	45333	45117	45848	44978	45573	45096	44621	45407	45495	45017	45239	98.387	
	19	45327	45560	46124	45155	44378	45130	45370	45263	45034	45039	45092	44472	98.210	
	20	45235	45034	45047	45078	44160	44563	45542	45153	45008	44619	44556	45521	97.768	
	21	44808	44721	44463	44618	44647	44754	44257	44462	44395	44685	44054	44356	96.808	
	22	43976	45207	43863	44326	44576	44468	44352	44378	44732	44974	44708	44291	96.741	
	23	44384	44656	44215	44534	45238	44196	44405	44456	43841	44093	44102	43830	96.397	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
15	0	44155	43928	43791	43957	43594	44456	44088	43684	44004	44735	43686	43978	95.688	
	1	44134	43945	43906	44516	44095	44195	43884	43916	44404	44310	44757	44074	96.068	
	2	44152	44523	44479	44201	43894	44489	44182	44500	44322	44145	43972	44594	96.307	
	3	44905	44185	44102	44355	44111	44299	44548	44703	43585	44454	44551	43623	96.301	
	4	44140	44473	43819	44167	44412	43751	44611	44313	44336	44663	44085	44078	96.197	
	5	43981	43671	44016	44172	44002	44048	43872	44227	43192	44252	44436	43890	95.638	
	6	44055	44028	43878	43533	44477	44452	44142	44516	44200	44045	43901	44233	95.946	
	7	44091	44428	44075	44030	44627	44555	44698	44854	44714	44090	44518	45496	96.800	
	8	44475	44971	44335	44288	44559	44425	44519	44957	44390	44446	44835	44647	96.922	
	9	44823	44372	44620	44182	44613	44821	45070	44502	44432	44562	44818	44656	97.035	
	10	44241	44957	45146	43829	44610	44323	44915	44078	44582	44663	44476	44678	96.859	
	11	44596	45009	44631	44130	44113	43928	44445	43973	44652	43861	44210	43724	96.274	
	12	44271	43841	44279	44326	43445	44835	44046	44317	44651	44327	43326	44224	96.023	
	13	43904	43934	43921	44703	43525	44431	44206	44823	44221	44182	44264	43301	95.937	
	14	43955	44249	43974	44232	44303	43869	43891	43633	44871	43768	43794	43803	95.743	
	15	43690	44261	44390	43884	44120	44201	43952	44183	44088	44052	44103	44485	95.936	
	16	43966	44169	44383	44610	44424	44045	43550	44063	44067	44381	43958	44301	96.028	
	17	43933	44375	44376	44611	44498	44241	44126	44131	44139	44339	43712	44050	96.140	
	18	43942	43745	44235	44001	44518	44321	44279	43748	44209	44545	44358	43633	95.959	
	19	43938	44059	44336	44042	43850	43802	43664	44391	44374	43197	44382	44222	95.728	
	20	44091	43943	44056	44761	44288	43553	44275	44047	44901	44599	43940	43862	96.101	
	21	44071	44522	44021	44035	44512	44079	44039	43834	43536	44115	44148	44614	95.958	
	22	44090	43943	44502	44249	44269	44393	44012	44287	44091	43896	44321	44412	96.128	
	23	44351	44480	44272	44162	44160	44675	44198	44270	44359	44019	44296	44304	96.324	
16	0	44460	44231	44724	44333	44071	44006	44028	44041	44731	43954	44467	43288	96.104	
	1	44015	44012	44516	44014	44768	44601	44036	43957	43900	43984	44132	44276	96.082	
	2	44154	44205	44280	44264	44345	43798	44024	43993	44822	44721	44787	44528	96.391	
	3	44143	44960	45064	43968	43962	44181	44220	43946	44698	44349	44156	44545	96.441	
	4	43967	44368	44873	44610	44025	44395	44842	44261	44006	44369	44395	44115	96.447	
	5	44293	44391	43567	44067	43734	44387	43745	44353	44288	44635	44432	43697	95.969	
	6	43759	44086	44259	44215	44840	44107	45094	44318	44242	43832	44521	44252	96.320	
	7	44013	43776	43784	44386	44018	44882	43927	44050	44256	44292	44676	44415	96.130	
	8	43919	44319	44288	44507	44497	44509	44069	43989	44735	44197	43811	43844	96.167	
	9	44409	44500	44312	44293	43641	44068	44489	44650	44567	43979	44435	44563	96.389	
	10	44156	45126	44025	44171	44146	43875	44000	44411	44258	44220	43951	43897	96.086	
	11	44525	44196	44293	43373	44720	44218	44496	44330	44506	44946	44008	44193	96.371	
	12	44253	44860	44961	43643	44397	44244	44242	43909	44319	44330	44481	44278	96.391	
	13	44765	44625	44485	44355	44323	44249	44640	44098	43560	44277	44502	44827	96.534	
	14	44235	44140	43933	44461	43985	44144	43774	44081	44144	43943	43946	44056	95.834	
	15	44146	43733	44277	43895	44283	44557	44187	44379	44235	44346	44733	43815	96.150	
	16	43833	44164	44022	44586	43803	44343	44506	44003	44634	44165	43920	43845	96.012	
	17	43983	43698	44224	43694	43696	44231	44423	44797	43704	44209	44243	44136	95.869	
	18	44030	44130	43792	43947	44290	44786	43422	44169	43669	44026	43956	44672	95.842	
	19	44210	44393	43844	44171	44070	44565	44764	44314	44269	44402	44499	44106	96.335	
	20	44331	44060	44803	43823	44471	43864	44286	44221	44780	43815	44152	44178	96.186	
	21	44137	44375	44662	44320	44671	44057	43983	44587	44412	44394	43989	44305	96.386	
	22	43999	43389	44302	44809	44477	44603	44684	44602	44041	44706	44368	44430	96.480	
	23	44423	44355	44154	44101	44064	43606	44719	44082	44474	43892	44160	44521	96.143	



		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
17	0	43944	43833	43769	44196	44457	43260	44009	43980	43849	43766	44493	43899	95.581	
	1	43817	44258	44037	44099	44128	44108	44164	44179	44157	45038	44310	44019	96.101	
	2	43811	44310	44243	43617	43876	44359	43915	43912	43370	44478	44285	44210	95.751	
	3	44104	44570	43732	44330	44201	44488	44338	43665	43814	44710	44684	44063	96.170	
	4	44581	44536	43687	44057	43696	44534	43820	44485	43967	44040	44271	44501	96.075	
	5	44286	44296	44928	45355	44306	44649	44442	44957	44308	43880	44473	45023	96.932	
	6	44725	44062	44839	44403	44315	44626	45070	44512	44425	45011	44848	44647	97.037	
	7	44836	44659	44072	45173	44883	44787	44204	44527	44658	44750	44852	44645	97.139	
	8	43469	44158	44370	44903	44048	44505	44593	45234	44977	44468	44415	44779	96.754	
	9	44913	44786	45180	44586	45077	45262	44700	45092	44911	44673	44789	44837	97.639	
	10	44861	44670	44970	44992	44554	45382	44732	44621	44433	44507	45357	44823	97.476	
	11	44279	45119	45217	45238	44729	44990	45169	45045	44988	44833	45293	46014	98.022	
	12	44600	44869	44450	45021	45099	45004	44693	44468	45283	45055	45287	45301	97.698	
	13	44617	44779	44624	45119	44957	45323	45266	45451	44247	45058	45052	44583	97.688	
	14	44788	44888	44972	45216	45135	44916	44213	44078	44713	44629	44834	44289	97.252	
	15	44671	45300	44613	44163	44967	44859	44930	44657	44675	44296	44376	44196	97.077	
	16	45115	44448	44601	44374	45040	44158	44911	44602	45174	44659	44169	44025	97.000	
	17	44462	45067	45000	44625	44236	44749	44305	44591	44111	44309	44158	44617	96.810	
	18	43891	44118	44710	43688	44497	44600	44459	43742	44536	44070	44441	44079	96.194	
	19	44108	43794	44329	43806	44482	43986	44318	44591	44424	43187	44823	44708	96.144	
	20	44039	43969	44251	44211	44485	43811	44309	44645	43619	44046	44241	43967	95.970	
	21	44255	44357	44512	44509	44440	44271	44403	43855	44143	44377	44956	44329	96.480	
	22	44176	43907	44498	44841	43681	43894	43941	44434	43907	44310	44224	43633	95.943	
	23	44242	44491	44603	44312	44425	44268	44026	44181	44140	44382	45028	44183	96.457	
18	0	44100	44479	44586	44632	43985	44068	44717	43979	44669	44759	44548	44767	96.637	
	1	44784	44628	44804	44205	43989	44879	44401	44601	44117	44217	44933	43782	96.648	
	2	44280	44294	44352	44721	44108	44183	44360	44502	44537	45004	44367	44978	96.712	
	3	44200	44443	44039	44491	44008	45060	44677	44547	44867	44232	44565	43925	96.597	
	4	44069	44458	44170	43981	44376	44406	45111	44996	44703	44439	44518	44997	96.809	
	5	44254	44454	44231	44610	44773	44587	44842	44906	44520	45530	44490	45028	97.171	
	6	45168	44870	44767	44728	45206	44404	44622	44509	44196	45042	44050	44584	97.157	
	7	44612	44812	44901	45034	44020	44977	44788	44570	44433	45100	44366	44489	97.149	
	8	44759	44928	44917	44404	44875	44681	44835	45056	44171	44122	45147	44796	97.256	
	9	45081	44781	44691	45604	44840	45510	44909	45509	45159	44671	44579	44771	97.875	
	10	44618	45095	44512	44880	44372	44631	45429	44649	44440	44669	45238	44927	97.396	
	11	44991	44796	44407	45044	44498	44633	44461	45040	44625	45365	44566	44761	97.346	
	12	45186	45070	45048	44841	45159	44661	45222	44075	44415	45817	45376	44741	97.785	
	13	44404	44906	44589	44551	44716	44680	44967	44478	45171	44960	44324	44830	97.235	
	14	44633	45029	45212	44103	44987	45301	44751	45171	44518	45037	45322	45188	97.721	
	15	44885	45110	45244	45130	44648	45112	45315	45158	44839	45159	44932	44668	97.892	
	16	44714	45055	45104	45128	43983	44898	44938	44278	44346	44806	44427	44372	97.139	
	17	44503	44420	44183	44323	44494	44891	44076	44240	45275	44018	44608	43999	96.592	
	18	44793	44449	44461	44581	44155	43968	45102	44234	44730	44297	44102	44326	96.623	
	19	44234	44505	44001	45001	45008	45096	43859	44541	44049	44748	44265	44641	96.759	
	20	44326	43931	44599	44825	44770	44741	44163	44760	44787	44959	44672	44103	96.883	
	21	45142	44428	44670	44549	44252	44733	44455	44142	44644	44449	43803	44776	96.776	
	22	44530	44320	44133	43985	44060	44225	43762	44458	43666	44602	45171	44850	96.363	
	23	44505	44150	44537	44675	44458	44729	44175	44246	43530	44741	44811	44253	96.553	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
19	0	44481	44708	44230	44272	44117	43749	44334	44440	44091	44222	44370	44521	96.316	
	1	44257	44867	44735	44672	44310	44402	44955	44193	44658	44561	44236	44315	96.797	
	2	44370	44338	44104	44354	44863	44982	44294	44300	44035	44348	44722	44981	96.712	
	3	44166	44313	45079	43927	44438	43908	44089	44188	44435	43734	44335	44265	96.203	
	4	44476	44400	44062	44407	43776	43991	44322	44806	44622	44527	44137	44556	96.421	
	5	43920	44606	44734	44464	44212	43961	44558	43906	44519	43806	44251	44511	96.306	
	6	44388	44476	44708	44486	44521	43631	43865	44008	43925	44343	44366	43988	96.171	
	7	44737	44423	44554	44596	44064	44817	44031	44245	44632	43734	44954	44458	96.631	
	8	44198	43798	43821	44380	44441	44047	44018	44153	44624	43791	44636	44098	96.045	
	9	44224	44695	43994	43604	43925	43493	44285	44350	44746	44508	44423	44110	96.109	
	10	44453	44506	44648	44249	44450	44743	44281	44035	44612	44550	44327	44692	96.686	
	11	44324	44726	44191	44533	44752	44721	44768	45404	45055	44881	44896	44863	97.333	
	12	44675	44260	44969	45233	44830	44833	45142	44604	45032	45080	45124	45120	97.657	
	13	44443	44865	44564	44840	45125	44899	45013	45118	44621	44729	44700	44745	97.432	
	14	44472	44679	45113	45171	44799	44959	45352	44663	44416	44709	45176	45103	97.604	
	15	44272	45414	44868	44648	44985	45068	44444	44386	45089	44478	44369	45229	97.358	
	16	44963	44938	44685	44974	45609	45412	44483	44687	44249	43939	44864	45052	97.467	
	17	44833	44464	44496	44800	45168	44896	44652	44483	44250	44939	44617	44303	97.113	
	18	44588	44411	43854	44633	44610	44068	44607	44779	44239	44324	44889	44622	96.700	
	19	44383	44399	44182	44226	44387	44083	44781	44693	44700	44553	44570	44394	96.650	
	20	44652	44697	44141	44325	44928	44289	44240	44870	44048	44122	43811	44040	96.436	
	21	44004	44404	44193	44302	44024	43883	44295	44508	44239	44017	44548	44290	96.172	
	22	44249	44409	44392	44329	43903	43682	43811	44377	44823	44818	44295	44059	96.251	
	23	44096	43545	43989	43924	43889	44121	44066	45038	44398	44302	44131	44329	96.012	
20	0	44069	43752	43637	44211	44065	44030	44316	43766	44082	44050	44475	43360	95.642	
	1	44348	44364	44052	44245	43883	43877	43988	44021	44084	44584	44287	44276	96.045	
	2	43451	43647	44150	43480	44521	44081	43634	43627	44247	43672	43826	44110	95.399	
	3	43847	43460	43514	43734	43400	43912	43566	44322	43450	43244	44086	43044	94.880	
	4	43057	44155	43809	43822	43140	44288	44100	43437	43415	44049	43814	44004	95.153	
	5	43917	44108	43969	44220	43532	43948	43780	43710	44061	43363	43492	43797	95.300	
	6	43697	43787	43913	43659	43669	43242	43483	44064	44320	43965	43793	44601	95.353	
	7	44066	43647	44084	44113	43860	44062	44076	44077	44003	44526	43657	43614	95.642	
	8	43822	44097	44184	43892	43832	44024	44373	43889	44417	43436	43202	43915	95.515	
	9	44031	44232	43376	44155	44076	43946	44183	43931	44003	44151	43954	44109	95.708	
	10	44232	44396	44270	44160	44753	43940	44481	44082	44024	44350	44543	44461	96.350	
	11	43919	44589	44231	44432	43822	44208	43929	44409	44114	44101	44285	44137	96.076	
	12	43735	44272	44083	44079	44033	44003	44560	44287	44152	43532	43770	43823	95.741	
	13	43552	44068	43605	44359	43733	44145	43785	44007	43665	43461	43947	43835	95.348	
	14	44030	43616	43917	43476	43653	43894	44302	43325	43949	43938	43662	43979	95.272	
	15	43541	43650	43838	43960	44249	43939	44211	44272	43964	44091	43635	44192	95.598	
	16	44372	43543	43938	44300	44756	43997	43555	44286	44217	43935	43457	44215	95.784	
	17	44160	44335	44752	44030	43956	43694	43978	44033	44389	43898	43996	43898	95.884	
	18	43472	43803	44699	43908	43749	44117	43983	43574	43636	44260	44535	44016	95.636	
	19	44160	43646	43938	44154	43668	43563	43350	44046	43969	43995	44149	43388	95.323	
	20	43350	44240	44215	43752	44059	44088	43573	44268	44114	44233	43797	43930	95.612	
	21	44189	43524	43321	44087	44039	43884	43460	44244	44030	44448	43840	44359	95.577	
	22	43887	43935	43861	44177	43965	44288	43420	43518	43626	44291	43387	44184	95.416	
	23	43602	44027	43671	43999	43941	43725	43864	43898	44101	44060	44240	43551	95.442	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
21	0	43432	43498	44358	43530	43495	44314	43682	43629	43725	44254	44316	43706	95.302	
	1	44007	43350	43413	43812	43543	43439	43579	43746	43519	43796	43958	43628	94.919	
	2	43640	43865	43427	43797	43297	43821	43536	43678	43605	43155	43720	42678	94.633	
	3	43225	43199	43852	44117	43660	43670	44156	44015	43473	43201	44126	43790	95.044	
	4	44020	43977	43817	43429	43782	43932	43802	43983	43592	44114	43846	43788	95.333	
	5	44361	43535	43952	43538	44195	43938	44022	44197	43961	44331	43302	43690	95.504	
	6	44046	43827	44122	43514	43929	44017	44153	44085	44083	43279	44187	43999	95.544	
	7	44321	43860	44399	44266	44233	43827	44233	44212	44159	44057	44197	43798	95.964	
	8	44515	43997	44421	43686	44065	44640	44408	44167	44147	44380	43735	44341	96.134	
	9	43411	44477	43824	43813	44158	44049	44254	44375	44410	43729	43714	43966	95.714	
	10	44864	44218	44593	44439	44708	43695	44339	44091	44467	44805	44472	44200	96.567	
	11	44016	44646	44665	44254	44237	43796	44397	44377	43732	44091	44459	44358	96.230	
	12	44682	43814	44594	44356	43867	44480	43708	44118	44173	43727	44316	43988	96.011	
	13	44050	44728	43675	44301	44036	44745	43913	44278	43668	43872	44025	43769	95.873	
	14	43604	44119	44533	44343	43889	44293	43912	44446	43690	43200	44460	43719	95.719	
	15	43942	43498	44526	43276	44222	43435	44204	43853	44102	44270	43635	44214	95.532	
	16	44197	44092	43540	43648	44277	43935	44543	44053	44068	44392	44094	44129	95.857	
	17	44041	43932	44395	44878	44243	44126	44304	43310	44027	44423	44145	43247	95.876	
	18	43754	44071	43784	44082	44245	43732	43932	43806	43661	42927	44033	43482	95.230	
	19	43398	43326	43668	43289	43507	43600	43329	43769	43545	43397	43398	43709	94.582	
	20	43150	43756	43503	43450	42532	43373	43491	43652	43989	43156	43428	43306	94.374	
	21	43366	42968	43970	43733	43890	43412	43773	43504	44326	43111	43333	43302	94.719	
	22	43996	43277	43104	43328	43652	43424	43339	43219	43823	43355	43211	43015	94.366	
	23	43651	43433	43565	43489	42748	43373	43306	43605	43476	44034	44311	43736	94.726	
22	0	43326	43641	43484	43353	44175	42900	43650	43716	43084	43038	43328	43743	94.487	
	1	43641	43497	43437	43466	44141	43521	43527	43572	43130	44008	43338	43171	94.675	
	2	42909	42887	43639	43740	43307	43814	43363	43438	43181	43660	43506	43768	94.452	
	3	42884	43799	43452	43078	43211	43328	43776	43553	43189	43229	43460	43294	94.277	
	4	43096	43208	43699	43651	42963	43625	43504	43173	43413	43210	43743	43858	94.438	
	5	43304	43816	43650	43992	43703	42375	43848	43411	43430	43517	44019	43607	94.716	
	6	43665	44060	43620	43363	43760	43452	44103	43299	43880	43931	44330	43839	95.192	
	7	43795	43950	44209	43493	43633	43863	44283	44197	43235	44134	44275	43366	95.397	
	8	43693	43861	44012	44071	44028	44196	43974	44283	44242	44074	43923	44548	95.845	
	9	44231	44225	43896	44416	43540	44284	44259	44337	44022	44383	44225	44456	96.093	
	10	44368	44077	44317	44398	44160	43846	44239	43909	44131	44082	44470	44333	96.103	
	11	44776	44237	44349	44872	44175	44216	44660	44626	44653	44341	44009	44321	96.629	
	12	43975	43800	44299	44588	45266	44539	44313	44156	43895	44385	44173	44455	96.378	
	13	44494	43976	44567	44396	44547	44572	43687	44248	44599	44862	43743	44522	96.444	
	14	44202	44182	44285	44768	44193	45077	45056	44348	43888	44410	44884	44160	96.669	
	15	44236	44749	43930	44822	44411	44440	44807	44263	44974	44069	44398	44302	96.660	
	16	44306	44278	44532	44500	44514	44190	44739	44582	44139	44291	44498	44535	96.606	
	17	44740	43783	44659	43802	44165	44461	43995	44246	44055	43961	44242	44785	96.206	
	18	43887	43665	44446	44657	44098	43921	43508	43989	44139	44325	43838	44174	95.798	
	19	43854	44246	43624	44141	44343	43563	44432	43637	43755	43511	43450	44349	95.483	
	20	43812	44075	44172	43486	43736	44091	44387	44078	43826	44133	44024	44218	95.688	
	21	43904	43829	43856	44141	43793	44347	43744	43862	43628	44147	43536	44023	95.465	
	22	44244	43724	44047	43829	44297	43491	44264	43921	44397	44066	43447	43594	95.558	
	23	43575	44105	43542	43868	43528	43314	43779	43532	43716	43933	44439	43729	95.148	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIromaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
23	0	43788	44192	43845	44144	43789	44037	43243	43472	43396	44568	43143	43365	95.124	
	1	43378	44367	43730	44146	44068	43289	44051	43833	43802	44100	44287	43854	95.483	
	2	43456	43687	43736	44005	43799	44094	43861	43875	43885	43880	44692	43977	95.490	
	3	43605	43778	44111	43375	43897	43382	44086	43961	43649	43776	43992	43428	95.145	
	4	44037	43672	43661	43975	44151	44356	43946	44076	44170	43890	43790	44245	95.675	
	5	43780	43912	43538	43526	43577	43780	44167	43887	43993	43908	43241	44094	95.211	
	6	44610	43955	43590	43667	43548	43586	43923	43646	43612	44356	44421	44767	95.623	
	7	44555	44700	43986	43756	43974	44170	43724	44153	44071	43913	44020	43647	95.803	
	8	44323	44228	44078	43809	43910	43577	43629	43792	44533	44324	43746	43718	95.621	
	9	44374	44187	43187	43621	43847	43658	43439	44537	43635	43991	43468	44214	95.347	
	10	43491	43709	43955	43911	44012	44316	43623	44560	43928	43781	43927	44082	95.553	
	11	44139	44043	44504	43859	44469	44147	44081	44033	43874	44798	43847	44049	96.015	
	12	43896	43876	44040	43984	44389	44284	43758	44706	44327	45014	44087	44377	96.177	
	13	44058	43989	44346	44112	43816	43979	43686	43850	44395	44346	43953	44462	95.861	
	14	44384	43627	44136	44157	44745	43923	44252	43806	44460	44084	43964	43774	95.919	
	15	44112	44664	44185	43455	44245	44171	44630	43970	44086	44449	44677	43683	96.103	
	16	44565	44285	44140	44127	44324	43901	43892	44457	43945	44258	44275	44184	96.108	
	17	44293	44285	43879	44344	44234	43499	44119	44189	43952	44123	44246	44205	95.929	
	18	44381	44042	43830	44239	44072	43771	44187	43747	43494	44068	43736	43869	95.579	
	19	43602	44000	43882	43473	44078	44000	43226	43593	43989	43504	43325	44335	95.139	
	20	43498	43581	44151	43381	43471	43984	43507	43950	43942	44025	43365	43837	95.082	
	21	43627	43906	43761	44067	44456	43458	43477	43942	43814	43569	43360	43654	95.154	
	22	43756	43455	44266	44383	43410	43188	43754	43149	43438	43779	43531	43684	94.919	
	23	44015	43927	44198	43766	43943	43699	43396	44299	43688	43615	43834	43535	95.303	
24	0	43951	43768	43134	43797	44142	44389	43810	43637	44037	43828	44269	43774	95.411	
	1	44189	43347	43765	44153	43955	43848	43919	44020	44310	44295	44364	43249	95.575	
	2	43833	43590	44150	43474	43876	43976	43620	44061	43979	44309	43418	43687	95.314	
	3	43635	44483	43668	44329	44119	44259	43877	44110	43595	43771	43580	44212	95.616	
	4	43415	43672	43851	43742	43865	43896	43466	43273	43797	43717	44434	43728	95.111	
	5	43440	43820	43359	43741	44031	43915	43860	43777	43938	43712	43814	43508	95.122	
	6	44085	43736	44048	43867	43805	43879	43808	43881	44091	43513	43573	44349	95.433	
	7	44120	44317	44584	43495	44468	44264	44128	44150	44141	44413	44073	44109	96.091	
	8	44509	44294	43530	44544	43853	43942	44734	44709	44519	44044	44734	44114	96.320	
	9	44298	44411	43879	44719	44296	44668	44764	44609	44312	44247	43924	43897	96.411	
	10	45028	44132	44068	44565	44836	44648	44746	44878	44006	44990	44702	44710	97.006	
	11	44320	43928	44036	44557	44393	43979	44771	44020	44270	44418	44087	44839	96.337	
	12	44434	44475	44299	44574	44709	44921	44406	44549	45227	44273	44467	44346	96.892	
	13	44418	44022	44565	44839	43967	44538	44483	44370	44151	44011	44522	44111	96.406	
	14	44224	44300	44402	44968	44701	44462	44984	44913	44072	44602	44627	44571	96.918	
	15	44014	44438	44265	45251	44482	44300	44467	44096	44558	44676	44170	44211	96.574	
	16	43901	44456	44925	44293	43668	43860	44879	44512	44982	43796	44059	44190	96.319	
	17	44288	44892	44713	44629	44514	44374	44017	44266	44514	43718	44223	44008	96.434	
	18	44200	44397	44392	43585	44331	43918	44397	43897	44136	44531	44243	44279	96.099	
	19	44492	44413	44641	44119	43838	43598	44157	44119	43900	44290	43787	43962	95.920	
	20	43915	44388	43658	44232	43738	44001	43370	44074	44931	43512	44221	43551	95.607	
	21	43886	43884	43666	43929	44188	44164	44075	43349	43885	43973	43733	43653	95.388	
	22	44204	44242	43746	43980	43581	43996	43806	44132	44053	44007	43459	43878	95.515	
	23	44029	43552	43913	43559	43873	44224	43524	43494	43395	43441	43613	44147	95.095	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
25	0	43858	43904	43616	44114	43896	44006	43686	43576	43882	44162	42891	43050	95.067
	1	43993	43920	43651	44242	43409	43830	44364	44462	43753	44426	43925	44067	95.689
	2	43754	44016	43516	43391	44137	43978	43941	44331	43807	43832	44277	43916	95.481
	3	44505	44207	44719	43900	44287	44069	43779	44085	44255	43876	43975	44201	96.018
	4	43428	44213	43902	44118	43794	43948	44128	44791	43663	44363	44390	44344	95.877
	5	44522	44246	44215	43977	44110	43894	44117	44661	44567	44190	44305	44409	96.263
	6	43806	44716	44617	44066	44217	44214	44175	45036	43960	44567	43943	44716	96.412
	7	44489	44235	44852	44637	43829	44289	44586	44323	44998	44513	44521	44326	96.695
	8	44786	44751	44536	44833	44628	44496	44155	44689	44903	44571	45000	44877	97.171
	9	44318	44188	44818	44455	44735	45215	44400	45141	44620	44536	44813	44608	97.104
	10	44949	44648	45166	44691	44644	44669	44461	44829	44721	44900	44798	44983	97.395
	11	45029	44963	45084	45305	44807	44628	44706	44564	44190	45273	45180	44308	97.500
	12	44374	44694	44887	45969	44928	45334	44946	44663	44279	44926	44913	44789	97.621
	13	44818	45454	44303	43881	44404	44934	45526	44852	44646	44668	45360	44991	97.464
	14	44841	45637	44415	44552	45254	44988	45179	44413	45402	45167	45477	44596	97.842
	15	44825	44950	44120	45155	44657	45116	44409	44865	44726	44956	44791	45297	97.469
	16	44818	44876	44498	44617	43956	44626	45069	45158	44243	44081	44501	44570	96.952
	17	44601	44779	44426	44656	44435	44857	44688	44413	44979	44505	44889	44428	97.068
	18	44235	44840	44261	43965	44104	44328	44756	44359	44259	44453	44038	45258	96.561
	19	44061	43928	44313	44009	44189	44790	43873	44395	44613	45015	44249	44268	96.352
	20	44147	43755	44087	44402	44462	43918	44585	44800	43859	43688	44297	44129	96.067
	21	44052	44100	43586	44256	43949	43157	43843	44045	44284	43805	43782	43770	95.432
	22	43923	44192	43582	44051	44042	44167	44638	44496	44246	44363	44645	44471	96.191
	23	44396	43878	44130	44369	43988	44777	44036	43870	44151	44286	44068	44348	96.097
26	0	44132	43875	44501	44164	43712	44295	44300	44294	43899	43744	44122	43634	95.802
	1	44432	44190	44595	44887	43974	44021	44223	44518	43954	43921	44226	44244	96.258
	2	43625	44834	44477	44639	43649	44374	44754	44375	44111	44259	44721	43908	96.356
	3	44412	44010	43531	43945	44313	43523	44818	44466	44925	44150	44463	44282	96.195
	4	44615	44694	44768	44450	44504	44997	44217	44563	44768	44863	44519	44692	97.067
	5	44241	44383	44881	44742	44803	44958	44333	44927	44733	44889	44198	44748	97.101
	6	44346	44571	44662	44038	44568	44929	44579	44919	44936	44734	45050	44793	97.153
	7	45291	44758	44269	44784	44804	44985	44274	44706	44643	44800	43974	44508	97.094
	8	44879	45117	45191	45080	44056	44639	45041	45064	44860	45083	44423	44624	97.503
	9	44418	45216	44848	45203	44789	44840	45485	45132	45419	44722	44271	45412	97.811
	10	45304	45063	45331	44829	45325	45192	44506	45116	45297	45132	44148	45106	97.919
	11	44999	44897	45743	44844	45973	45204	44892	44989	44427	45130	45807	45093	98.218
	12	45241	45274	45042	45156	45000	45070	44759	45873	44959	45549	45292	45032	98.263
	13	45299	45394	45393	44972	45236	45256	45565	45040	44765	45231	44707	45598	98.301
	14	44482	45272	45025	45052	45094	44841	45678	45106	45266	44780	44840	44496	97.843
	15	44750	44639	45377	45528	45942	45139	44636	45595	45105	45477	45157	45225	98.322
	16	44371	44983	44744	45680	45100	45230	44959	44603	44801	44397	45101	44486	97.576
	17	44033	44593	44161	45111	44418	44797	44467	45262	43746	44602	44764	43786	96.721
	18	43870	44087	44245	44019	44315	44555	44680	43935	43867	44305	43837	43968	95.986
	19	44259	44348	43843	44828	44358	44538	43439	43866	43943	44371	44148	44880	96.193
	20	43892	44258	44287	43680	43490	44113	44620	44674	44926	44068	44393	44929	96.284
	21	44260	43884	43871	44314	44159	43892	44146	44537	43989	43666	44487	43738	95.852
	22	44188	44582	43910	44033	44184	44675	44640	44370	44030	44680	44443	44019	96.361
	23	43977	44221	43961	44511	43985	44861	44647	44454	43787	44198	44196	43968	96.182

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64	
		INAF/UNIromaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
27	0	44088	43972	44144	43770	43928	43590	43594	44181	43902	44544	43953	44217	95.656
	1	45171	44717	43848	44779	44055	44526	44110	43941	44508	44637	44802	44422	96.681
	2	44164	43555	44252	44532	44194	44736	44195	44364	44192	44293	44613	44616	96.353
	3	44707	44312	43858	44197	44037	44096	44572	44287	44781	44472	44539	45054	96.571
	4	44424	45039	44791	44393	44157	44313	44434	44205	44387	44773	44663	44664	96.813
	5	44427	44897	44626	45136	44319	44787	44303	44448	44605	44343	43960	44418	96.817
	6	44139	44445	44174	44220	44236	44666	44575	44273	45452	44921	44527	44395	96.772
	7	44376	44639	44623	44939	44440	44587	43881	44297	44284	45073	44559	44460	96.797
	8	44593	44367	43820	44582	44077	44082	44192	44561	44534	44178	44271	44355	96.336
	9	44351	44593	44351	44487	44526	44222	44559	44485	44343	44410	44764	44790	96.747
	10	44135	44348	44346	44483	44603	44505	44326	44467	44886	45162	43884	44485	96.702
	11	44917	44665	44211	43789	44910	44187	44963	44922	45057	44446	44015	44254	96.829
	12	45142	44201	44276	45263	44263	44199	44288	44162	44154	44846	44106	44751	96.705
	13	44543	44764	44855	44842	44583	44229	44684	44633	44637	44090	44774	44304	96.938
	14	44412	44758	44669	44411	44288	44694	44447	44984	44201	44313	44442	44078	96.713
	15	45257	44601	44782	44248	44469	44079	43676	44295	44005	44908	44626	44690	96.702
	16	44497	45258	44911	44073	44621	43979	44702	43885	44798	44393	44171	44178	96.672
	17	44236	44005	44145	43764	44290	44751	43900	44159	44721	44454	44229	44616	96.274
	18	43893	44039	43333	44221	44128	44111	44215	43990	44114	44342	43796	43653	95.651
	19	43989	44051	44489	44025	44127	43825	43892	44125	44958	44031	43444	44108	95.874
	20	43820	44110	43717	44453	44467	44247	43941	43252	44037	44203	43962	43641	95.654
	21	44241	43440	44223	44052	44446	43720	43557	43777	44342	43667	44014	43829	95.555
	22	44048	44294	43906	44229	44153	44546	43710	43699	43749	43711	43771	43823	95.615
	23	44069	44811	44136	44327	44081	44346	43771	43689	43988	44008	43944	43548	95.811
28	0	43885	43931	43734	44411	43326	43791	43792	44580	44316	44353	44081	44717	95.844
	1	43748	44244	43661	44489	44278	43773	44269	43979	44323	44226	43578	43930	95.772
	2	44101	43474	43398	44156	43113	44380	44580	43913	44073	44209	43942	43577	95.485
	3	44083	43679	44402	43635	44096	43746	43470	44043	44178	43449	44173	44120	95.513
	4	44355	44351	43977	44065	44060	43514	43933	44127	44733	44841	44341	44332	96.157
	5	43690	44023	43964	43927	43797	44296	43739	44340	44483	43953	44129	43855	95.717
	6	44360	43300	43892	44132	43595	43672	44315	43808	44099	44110	44232	44298	95.647
	7	43985	44511	44276	43977	43947	44351	43925	44170	44456	44098	43645	43776	95.884
	8	44053	44027	44293	43991	43640	43570	43449	43962	44517	44033	43537	43960	95.506
	9	43846	44103	44174	43703	44010	44024	43511	43704	44228	44110	44515	44345	95.731
	10	43748	44231	44003	44075	44215	43921	44138	43787	43912	44244	44679	43701	95.800
	11	43907	44377	44412	44384	43631	43978	44041	43739	44497	44023	44698	44365	96.053
	12	44527	43967	44541	44826	44272	44514	44834	43851	44224	44539	43853	44436	96.476
	13	44213	43442	44491	44237	44018	44273	44300	44709	44270	44347	44504	44583	96.295
	14	44494	44056	43595	44425	44696	44763	43771	44103	44680	44086	44853	44941	96.490
	15	43987	44926	45233	44840	44006	44832	44716	44792	44065	44060	44443	44519	96.844
	16	44574	44660	44633	44545	44488	44705	44441	44931	44197	44613	44704	44208	96.895
	17	44248	44625	44816	44604	44579	44624	44845	45001	44346	44648	44755	44466	97.050
	18	44483	44969	45110	44846	44871	44557	44495	44244	44216	44788	44589	44819	97.128
	19	45135	44224	44463	44715	44044	44928	44499	44252	44836	44263	44577	44442	96.837
	20	44773	44443	44744	44799	44983	43818	44970	44686	44378	44798	43906	44695	96.948
	21	44391	44637	44243	44782	44822	45337	44872	44646	44473	44592	45102	44463	97.196
	22	44400	45148	44840	44658	45092	44738	44960	43894	44792	44901	44905	44056	97.200
	23	44687	44065	44361	44381	44381	44511	44211	44672	44569	44753	44161	44074	96.556

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64		
		INAF/UNIRomaTre													
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm	
29	0	44365	44389	44566	44295	44729	44394	44923	44681	44868	44319	44668	44655	96.923	
	1	44471	44349	44396	44656	44566	44809	44858	44313	44446	44706	44875	45221	97.071	
	2	44601	45250	45326	44875	44364	44733	44968	44690	45047	44327	44550	44413	97.338	
	3	44474	44236	45122	44492	45154	44480	44580	44650	44126	44727	45215	44514	97.089	
	4	44940	44770	44544	44884	44167	44738	44776	45024	44801	44931	44638	44829	97.320	
	5	45285	44394	44818	44908	44236	45154	44471	44623	44736	44480	44331	44764	97.167	
	6	45041	45171	44565	45106	44678	44511	44616	44220	44859	44368	44478	44613	97.172	
	7	44850	44727	44181	44597	45085	44947	44760	44294	45008	44304	45250	44233	97.173	
	8	45232	44283	44765	44810	45370	44382	45162	44574	45171	44880	44957	44325	97.477	
	9	43881	45165	44424	44772	44756	44360	44962	43894	44648	44600	45055	44721	96.993	
	10	44807	44415	44900	45157	44240	44254	44808	44734	44109	44572	45350	44861	97.168	
	11	44699	43904	44693	45052	44248	44786	44471	44964	44926	44780	45237	45120	97.290	
	12	44412	44395	45133	44505	44741	44939	44612	44711	44809	45252	45008	45060	97.417	
	13	45185	44948	44948	44944	45158	44523	44068	44910	44902	44047	44944	44704	97.362	
	14	44845	44401	44856	43978	45182	45012	45083	44567	44628	44931	44507	45550	97.410	
	15	45374	45096	44942	44137	44520	44789	45105	44638	45084	45394	45050	44692	97.642	
	16	44301	44747	44490	44620	44368	44485	44791	44845	44577	45014	44998	45088	97.189	
	17	45145	44320	44872	44982	44682	44896	45033	44920	44536	44583	44790	45042	97.457	
	18	44633	44812	45017	44632	44395	44483	44811	43991	44798	44853	45409	44298	97.155	
	19	45433	44904	45194	44404	44902	44607	44152	43970	44774	44812	44512	44447	97.151	
	20	45110	44717	44057	44882	44889	44973	44576	44922	44586	44989	45054	45007	97.450	
	21	44668	44520	44554	45136	45017	44243	44751	45039	45410	44549	44499	44408	97.275	
	22	44644	44718	44751	44791	44885	44151	45377	44528	44337	44978	44940	43947	97.139	
	23	44402	44715	44643	44336	44522	44317	44864	44610	44474	44391	44263	44837	96.836	
30	0	44440	44415	44656	44944	44016	44467	44756	44213	43680	45157	44404	44233	96.653	
	1	44192	44733	44858	44684	44265	44042	44277	44242	44513	44146	44733	44740	96.664	
	2	44412	44113	44434	44673	44308	44355	44355	44662	44132	44542	44450	44673	96.607	
	3	43966	44824	44386	44588	44653	44705	44480	44114	44604	44507	44363	44544	96.720	
	4	44224	45014	44358	44708	44665	44516	44863	44609	44338	43983	45209	44149	96.884	
	5	44750	43984	44174	44472	44166	45013	44895	44209	44453	44497	45261	44309	96.802	
	6	44833	44603	44281	45071	44828	44968	45403	44864	45008	45360	44690	44369	97.544	
	7	44087	44978	44700	45218	44799	44346	44543	45146	45098	45564	44892	45025	97.565	
	8	44846	44891	45118	44560	45725	45329	45196	45219	44584	44978	45245	45257	98.027	
	9	45467	44977	44814	44695	45213	45262	45204	45032	45351	44536	45460	44913	98.023	
	10	44684	45046	45316	45140	45319	44969	44773	44651	45236	45235	44681	44608	97.794	
	11	45405	44988	44829	45042	45020	45302	45349	45353	45499	45202	45000	45013	98.218	
	12	44623	45858	44993	45821	45062	44748	44654	45242	44856	45081	44688	45550	98.069	
	13	45111	45390	45091	45069	45235	45336	45201	44958	45023	45066	44593	44889	98.030	
	14	45239	45023	44898	45403	45423	45076	44991	45159	44908	44939	44815	45623	98.127	
	15	45115	44698	44523	44569	44966	45766	44844	44843	44747	44709	45231	44833	97.646	
	16	45696	45096	45006	44274	44616	45352	44598	45352	45620	44323	45099	44945	97.851	
	17	45115	45245	45036	45129	44787	45092	44480	45058	44655	44937	45111	44306	97.666	
	18	45053	44511	45470	45316	45067	44474	44478	44727	44783	44577	44770	44198	97.389	
	19	45008	44254	44910	44710	44751	44994	44888	44599	44157	44370	44685	44505	97.100	
	20	43960	44759	44479	44604	45317	44897	44797	44609	44840	44658	44130	44743	97.093	
	21	44175	44776	44320	44620	44517	44526	44965	44500	45288	44845	44503	45025	97.142	
	22	44554	44668	45203	45095	45365	44505	44790	44394	44295	44220	44830	45163	97.327	
	23	44269	44551	44458	45121	44655	44746	45496	44702	44755	44535	44161	44562	97.133	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2012											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
31	0	44768	44526	44382	44606	44379	44845	44427	45221	44362	44920	44309	44809	97.050
	1	44441	44862	44899	44508	44011	44414	44505	44908	44331	44710	44551	44948	96.966
	2	44595	44306	44289	44340	43938	44409	44531	44823	44506	44450	44448	44857	96.676
	3	45238	45377	44811	45158	44235	44303	45217	44298	44624	45102	44498	44716	97.417
	4	45001	45223	45115	45642	44833	44686	44909	44632	44576	44819	44489	44584	97.585
	5	45123	44685	45063	45032	44995	45254	44664	44685	44766	44612	45095	44711	97.618
	6	44798	44283	44792	44433	44505	45238	44871	45031	45473	45292	45187	45038	97.664
	7	44452	45019	44745	44775	44981	44952	44929	44884	44468	45548	45016	44811	97.599
	8	44660	44209	45131	45108	44873	44726	44420	44837	45545	45096	44798	45066	97.578
	9	44977	44348	44852	45067	44976	45115	44592	45628	45041	45522	45065	45621	98.002
	10	45164	45025	45534	45355	45491	44433	44764	45190	44860	44975	45286	44470	97.955
	11	45085	45704	45504	45636	45517	45096	44822	45490	45030	45765	45286	45183	98.602
	12	45136	46066	45315	45579	45761	45125	44980	45746	44996	45203	44996	45523	98.658
	13	45499	45569	45494	45087	45612	45383	45337	45479	44491	45567	45043	45272	98.550
	14	45189	44962	45396	45063	44707	45340	44981	45748	45605	45443	45075	45099	98.329
	15	44783	44805	44884	44971	45437	45512	45458	45805	45783	45294	44691	45227	98.336
	16	44777	45883	44600	45121	45392	44420	44907	44930	45290	45108	45013	44697	97.881
	17	45042	45231	45230	44679	45869	44850	44651	44866	45008	45190	45212	45170	98.036
	18	44901	45289	45186	45074	45723	44882	45020	45523	45322	45461	45824	45183	98.469
	19	45297	45214	44847	45576	45242	45375	44242	45440	45202	45205	44632	45439	98.166
	20	45189	45420	45727	45279	44824	44968	44423	44844	44893	45119	44985	44379	97.865
	21	45082	45305	45146	44477	44394	45046	45306	45068	44877	45214	44549	44377	97.646
	22	44539	44697	44511	44874	44508	44958	44780	44997	44880	44636	45061	45033	97.398
	23	45037	44983	44985	44649	44527	44147	44912	44720	45390	44294	44978	45055	97.435



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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1013.87	1013.83	1013.76	1013.73	1013.70	1013.65	1013.62	1013.62	1013.61	1013.62	1013.61	1013.57	1013.67
	1	1013.56	1013.57	1013.56	1013.52	1013.49	1013.47	1013.44	1013.41	1013.39	1013.38	1013.37	1013.35	1013.46
	2	1013.31	1013.29	1013.31	1013.31	1013.31	1013.30	1013.24	1013.22	1013.25	1013.26	1013.25	1013.25	1013.27
	3	1013.28	1013.30	1013.33	1013.36	1013.39	1013.42	1013.44	1013.47	1013.48	1013.48	1013.52	1013.55	1013.41
	4	1013.56	1013.58	1013.62	1013.66	1013.69	1013.70	1013.69	1013.68	1013.73	1013.77	1013.81	1013.86	1013.69
	5	1013.94	1013.98	1014.00	1014.01	1014.04	1014.09	1014.13	1014.17	1014.20	1014.19	1014.19	1014.20	1014.09
	6	1014.20	1014.19	1014.20	1014.22	1014.25	1014.24	1014.21	1014.17	1014.12	1014.08	1014.05	1014.03	1014.16
	7	1014.02	1014.03	1014.02	1013.99	1013.92	1013.86	1013.82	1013.76	1013.70	1013.64	1013.60	1013.55	1013.82
	8	1013.49	1013.47	1013.52	1013.57	1013.56	1013.54	1013.53	1013.51	1013.49	1013.47	1013.44	1013.42	1013.50
	9	1013.39	1013.35	1013.33	1013.32	1013.34	1013.33	1013.33	1013.36	1013.36	1013.33	1013.32	1013.35	1013.34
	10	1013.36	1013.32	1013.29	1013.24	1013.17	1013.15	1013.16	1013.15	1013.16	1013.16	1013.11	1013.10	1013.20
	11	1013.12	1013.10	1013.07	1013.06	1013.04	1013.02	1013.00	1013.00	1013.01	1012.93	1012.86	1012.86	1013.00
	12	1012.85	1012.84	1012.85	1012.87	1012.87	1012.83	1012.79	1012.79	1012.82	1012.83	1012.81	1012.78	1012.83
	13	1012.71	1012.64	1012.59	1012.53	1012.51	1012.48	1012.45	1012.41	1012.38	1012.32	1012.25	1012.24	1012.46
	14	1012.21	1012.17	1012.13	1012.09	1012.10	1012.12	1012.07	1011.97	1011.92	1011.92	1011.86	1011.78	1012.03
	15	1011.72	1011.68	1011.66	1011.71	1011.71	1011.65	1011.63	1011.63	1011.65	1011.71	1011.76	1011.81	1011.69
	16	1011.84	1011.80	1011.73	1011.69	1011.69	1011.69	1011.70	1011.73	1011.75	1011.72	1011.71	1011.76	1011.73
	17	1011.83	1011.85	1011.85	1011.88	1011.93	1011.97	1012.01	1012.03	1012.03	1012.07	1012.11	1012.13	1011.97
	18	1012.16	1012.17	1012.19	1012.21	1012.20	1012.15	1012.14	1012.20	1012.22	1012.25	1012.28	1012.31	1012.20
	19	1012.36	1012.45	1012.54	1012.63	1012.71	1012.78	1012.85	1012.92	1012.96	1012.99	1013.01	1013.00	1012.77
	20	1013.04	1013.07	1013.08	1013.08	1013.07	1013.06	1013.06	1013.08	1013.11	1013.14	1013.20	1013.25	1013.10
	21	1013.25	1013.27	1013.31	1013.34	1013.35	1013.35	1013.38	1013.37	1013.30	1013.28	1013.30	1013.31	1013.31
	22	1013.32	1013.29	1013.24	1013.23	1013.23	1013.21	1013.18	1013.15	1013.11	1013.07	1013.05	1013.05	1013.18
	23	1013.03	1012.98	1012.95	1012.91	1012.88	1012.84	1012.80	1012.78	1012.77	1012.77	1012.78	1012.75	1012.85
2	0	1012.72	1012.72	1012.68	1012.59	1012.49	1012.47	1012.52	1012.53	1012.50	1012.49	1012.49	1012.55	1012.55
	1	1012.62	1012.65	1012.67	1012.68	1012.74	1012.76	1012.74	1012.78	1012.82	1012.83	1012.82	1012.81	1012.74
	2	1012.85	1012.86	1012.81	1012.80	1012.82	1012.85	1012.87	1012.87	1012.89	1012.92	1012.92	1012.87	1012.86
	3	1012.86	1012.84	1012.84	1012.81	1012.73	1012.77	1012.86	1012.91	1012.92	1012.93	1012.94	1012.95	1012.86
	4	1012.97	1012.95	1012.91	1012.93	1012.94	1012.93	1012.93	1012.94	1012.93	1012.91	1012.93	1012.95	1012.93
	5	1012.93	1012.93	1013.00	1013.10	1013.13	1013.16	1013.20	1013.26	1013.31	1013.32	1013.32	1013.37	1013.17
	6	1013.44	1013.47	1013.50	1013.56	1013.65	1013.72	1013.77	1013.78	1013.78	1013.80	1013.82	1013.83	1013.67
	7	1013.83	1013.82	1013.84	1013.85	1013.87	1013.89	1013.88	1013.85	1013.84	1013.79	1013.77	1013.81	1013.83
	8	1013.83	1013.85	1013.85	1013.82	1013.85	1013.89	1013.89	1013.90	1013.89	1013.87	1013.86	1013.84	1013.86
	9	1013.79	1013.75	1013.73	1013.73	1013.71	1013.66	1013.64	1013.64	1013.62	1013.58	1013.53	1013.51	1013.65
	10	1013.44	1013.34	1013.31	1013.29	1013.26	1013.24	1013.22	1013.20	1013.17	1013.15	1013.16	1013.17	1013.24
	11	1013.15	1013.15	1013.17	1013.18	1013.22	1013.21	1013.13	1013.09	1013.10	1013.11	1013.15	1013.19	1013.15
	12	1013.17	1013.15	1013.19	1013.20	1013.15	1013.14	1013.15	1013.12	1013.09	1013.12	1013.18	1013.22	1013.15
	13	1013.23	1013.25	1013.27	1013.25	1013.20	1013.19	1013.20	1013.20	1013.23	1013.24	1013.20	1013.17	1013.22
	14	1013.17	1013.13	1013.11	1013.10	1013.07	1013.10	1013.09	1013.04	1013.04	1013.04	1013.01	1012.96	1013.07
	15	1012.91	1012.89	1012.83	1012.79	1012.78	1012.78	1012.79	1012.80	1012.79	1012.73	1012.65	1012.64	1012.78
	16	1012.71	1012.77	1012.81	1012.82	1012.81	1012.82	1012.83	1012.84	1012.83	1012.80	1012.78	1012.75	1012.79
	17	1012.74	1012.75	1012.74	1012.78	1012.83	1012.87	1012.89	1012.91	1012.93	1012.97	1013.02	1013.03	1012.87
	18	1013.04	1013.10	1013.20	1013.27	1013.32	1013.38	1013.45	1013.52	1013.56	1013.58	1013.62	1013.69	1013.39
	19	1013.75	1013.80	1013.83	1013.91	1014.02	1014.11	1014.18	1014.21	1014.23	1014.28	1014.35	1014.40	1014.09
	20	1014.44	1014.46	1014.46	1014.47	1014.50	1014.53	1014.55	1014.55	1014.55	1014.57	1014.61	1014.65	1014.53
	21	1014.67	1014.68	1014.67	1014.67	1014.70	1014.69	1014.70	1014.74	1014.75	1014.70	1014.64	1014.61	1014.68
	22	1014.59	1014.60	1014.64	1014.67	1014.67	1014.62	1014.57	1014.55	1014.52	1014.50	1014.48	1014.43	1014.57
	23	1014.40	1014.39	1014.39	1014.35	1014.32	1014.31	1014.26	1014.18	1014.12	1014.05	1014.01	1014.00	1014.23

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1013.99	1013.98	1013.97	1013.98	1013.98	1013.96	1013.94	1013.95	1013.95	1013.96	1013.99	1014.01	1013.97
	1	1013.98	1013.92	1013.89	1013.88	1013.85	1013.83	1013.81	1013.79	1013.76	1013.75	1013.75	1013.72	1013.83
	2	1013.69	1013.69	1013.71	1013.74	1013.78	1013.79	1013.80	1013.82	1013.83	1013.85	1013.82	1013.79	1013.77
	3	1013.79	1013.82	1013.85	1013.86	1013.86	1013.86	1013.87	1013.89	1013.90	1013.89	1013.85	1013.87	1013.86
	4	1013.89	1013.90	1013.92	1013.91	1013.89	1013.90	1013.93	1014.00	1014.05	1014.08	1014.07	1014.01	1013.96
	5	1013.98	1013.98	1013.99	1014.05	1014.09	1014.09	1014.09	1014.09	1014.10	1014.15	1014.21	1014.26	1014.09
	6	1014.30	1014.32	1014.33	1014.35	1014.36	1014.34	1014.33	1014.32	1014.32	1014.32	1014.32	1014.30	1014.32
	7	1014.26	1014.22	1014.19	1014.17	1014.16	1014.15	1014.13	1014.15	1014.17	1014.16	1014.15	1014.15	1014.17
	8	1014.19	1014.21	1014.22	1014.23	1014.22	1014.20	1014.16	1014.15	1014.17	1014.16	1014.12	1014.07	1014.17
	9	1014.04	1014.05	1014.08	1014.08	1014.01	1013.94	1013.90	1013.89	1013.87	1013.85	1013.83	1013.80	1013.94
	10	1013.79	1013.75	1013.68	1013.67	1013.71	1013.71	1013.68	1013.67	1013.66	1013.67	1013.66	1013.62	1013.69
	11	1013.60	1013.61	1013.59	1013.57	1013.55	1013.54	1013.57	1013.55	1013.54	1013.51	1013.46	1013.46	1013.54
	12	1013.43	1013.41	1013.39	1013.37	1013.35	1013.33	1013.27	1013.23	1013.23	1013.21	1013.21	1013.20	1013.30
	13	1013.20	1013.25	1013.28	1013.28	1013.24	1013.22	1013.19	1013.16	1013.13	1013.09	1013.07	1013.03	1013.18
	14	1013.01	1012.98	1012.93	1012.90	1012.89	1012.89	1012.88	1012.86	1012.80	1012.78	1012.74	1012.70	1012.86
	15	1012.68	1012.67	1012.67	1012.65	1012.62	1012.63	1012.64	1012.59	1012.51	1012.46	1012.43	1012.44	1012.58
	16	1012.42	1012.39	1012.39	1012.36	1012.35	1012.40	1012.44	1012.44	1012.42	1012.39	1012.37	1012.36	1012.39
	17	1012.36	1012.35	1012.33	1012.34	1012.35	1012.37	1012.40	1012.42	1012.42	1012.42	1012.42	1012.42	1012.38
	18	1012.43	1012.43	1012.42	1012.39	1012.39	1012.42	1012.44	1012.48	1012.56	1012.61	1012.62	1012.63	1012.48
	19	1012.67	1012.72	1012.77	1012.80	1012.82	1012.83	1012.84	1012.85	1012.87	1012.89	1012.90	1012.90	1012.82
	20	1012.91	1012.93	1012.95	1012.98	1012.99	1012.98	1012.97	1012.99	1012.97	1012.95	1012.94	1012.93	1012.96
	21	1012.92	1012.93	1012.93	1012.92	1012.88	1012.86	1012.87	1012.88	1012.89	1012.90	1012.91	1012.89	1012.90
	22	1012.86	1012.83	1012.79	1012.79	1012.81	1012.78	1012.73	1012.72	1012.72	1012.71	1012.66	1012.59	1012.75
	23	1012.52	1012.50	1012.50	1012.47	1012.46	1012.47	1012.45	1012.42	1012.41	1012.41	1012.41	1012.39	1012.45
4	0	1012.33	1012.34	1012.34	1012.31	1012.24	1012.19	1012.16	1012.14	1012.14	1012.15	1012.17	1012.15	1012.21
	1	1012.09	1012.04	1012.02	1012.03	1011.99	1011.95	1011.93	1011.88	1011.84	1011.82	1011.80	1011.79	1011.93
	2	1011.78	1011.78	1011.78	1011.77	1011.75	1011.71	1011.70	1011.70	1011.68	1011.67	1011.68	1011.68	1011.72
	3	1011.65	1011.64	1011.65	1011.70	1011.76	1011.79	1011.78	1011.77	1011.77	1011.81	1011.84	1011.85	1011.75
	4	1011.84	1011.82	1011.81	1011.81	1011.81	1011.79	1011.78	1011.76	1011.74	1011.72	1011.73	1011.72	1011.77
	5	1011.71	1011.71	1011.71	1011.72	1011.72	1011.72	1011.68	1011.63	1011.61	1011.60	1011.60	1011.58	1011.66
	6	1011.54	1011.51	1011.50	1011.52	1011.53	1011.50	1011.47	1011.46	1011.41	1011.39	1011.41	1011.45	1011.47
	7	1011.48	1011.49	1011.47	1011.44	1011.45	1011.46	1011.43	1011.41	1011.41	1011.40	1011.38	1011.39	1011.43
	8	1011.39	1011.39	1011.39	1011.35	1011.30	1011.26	1011.23	1011.23	1011.24	1011.22	1011.22	1011.21	1011.28
	9	1011.19	1011.21	1011.23	1011.25	1011.25	1011.26	1011.24	1011.23	1011.20	1011.15	1011.14	1011.12	1011.20
	10	1011.11	1011.08	1011.02	1010.97	1010.96	1010.94	1010.92	1010.93	1010.95	1010.96	1010.96	1010.95	1010.98
	11	1010.93	1010.90	1010.85	1010.87	1010.89	1010.88	1010.89	1010.92	1010.87	1010.82	1010.78	1010.73	1010.86
	12	1010.69	1010.63	1010.59	1010.60	1010.65	1010.65	1010.62	1010.60	1010.61	1010.61	1010.60	1010.62	1010.62
	13	1010.64	1010.58	1010.55	1010.56	1010.49	1010.42	1010.41	1010.38	1010.36	1010.40	1010.37	1010.28	1010.45
	14	1010.27	1010.31	1010.29	1010.26	1010.23	1010.19	1010.18	1010.17	1010.14	1010.13	1010.09	1010.07	1010.19
	15	1010.08	1010.06	1010.01	1009.99	1009.98	1009.96	1009.90	1009.88	1009.87	1009.86	1009.83	1009.79	1009.93
	16	1009.80	1009.81	1009.79	1009.75	1009.74	1009.73	1009.73	1009.75	1009.77	1009.77	1009.81	1009.83	1009.77
	17	1009.87	1009.90	1009.90	1009.91	1009.93	1009.97	1010.03	1010.11	1010.17	1010.20	1010.26	1010.31	1010.04
	18	1010.31	1010.33	1010.38	1010.41	1010.41	1010.40	1010.41	1010.39	1010.39	1010.40	1010.38	1010.36	1010.38
	19	1010.33	1010.31	1010.30	1010.33	1010.38	1010.41	1010.41	1010.43	1010.47	1010.51	1010.54	1010.57	1010.41
	20	1010.60	1010.62	1010.64	1010.65	1010.63	1010.63	1010.66	1010.69	1010.73	1010.75	1010.75	1010.72	1010.67
	21	1010.68	1010.66	1010.64	1010.60	1010.51	1010.42	1010.40	1010.40	1010.37	1010.36	1010.40	1010.39	1010.48
	22	1010.39	1010.42	1010.41	1010.39	1010.36	1010.33	1010.33	1010.34	1010.30	1010.27	1010.27	1010.29	1010.34
	23	1010.32	1010.32	1010.29	1010.26	1010.24	1010.22	1010.20	1010.19	1010.17	1010.15	1010.16	1010.16	1010.22

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1010.15	1010.17	1010.19	1010.21	1010.23	1010.23	1010.24	1010.24	1010.22	1010.21	1010.20	1010.19	1010.21
	1	1010.17	1010.13	1010.08	1010.07	1010.09	1010.11	1010.11	1010.13	1010.12	1010.07	1010.04	1010.01	1010.09
	2	1009.96	1009.92	1009.90	1009.84	1009.79	1009.79	1009.80	1009.76	1009.73	1009.72	1009.71	1009.73	1009.80
	3	1009.73	1009.71	1009.69	1009.67	1009.66	1009.69	1009.72	1009.72	1009.71	1009.68	1009.62	1009.57	1009.68
	4	1009.56	1009.59	1009.62	1009.63	1009.64	1009.63	1009.62	1009.66	1009.72	1009.77	1009.80	1009.82	1009.67
	5	1009.83	1009.83	1009.86	1009.90	1009.93	1009.97	1010.02	1010.09	1010.14	1010.18	1010.24	1010.29	1010.02
	6	1010.32	1010.32	1010.33	1010.33	1010.32	1010.29	1010.28	1010.27	1010.25	1010.22	1010.17	1010.12	1010.27
	7	1010.08	1010.05	1010.03	1010.05	1010.08	1010.08	1010.06	1010.05	1010.05	1010.06	1010.08	1010.11	1010.06
	8	1010.13	1010.14	1010.16	1010.21	1010.23	1010.24	1010.26	1010.27	1010.25	1010.24	1010.21	1010.20	1010.21
	9	1010.22	1010.20	1010.14	1010.09	1010.06	1010.01	1010.00	1010.02	1010.01	1009.98	1009.97	1009.97	1010.05
	10	1009.98	1009.97	1009.96	1009.97	1009.96	1009.94	1009.92	1009.95	1009.94	1009.87	1009.80	1009.75	1009.92
	11	1009.75	1009.78	1009.75	1009.71	1009.72	1009.73	1009.75	1009.73	1009.69	1009.70	1009.73	1009.73	1009.73
	12	1009.70	1009.66	1009.66	1009.67	1009.70	1009.72	1009.72	1009.76	1009.78	1009.76	1009.75	1009.75	1009.72
	13	1009.76	1009.78	1009.76	1009.75	1009.76	1009.76	1009.74	1009.71	1009.69	1009.67	1009.63	1009.60	1009.72
	14	1009.57	1009.53	1009.50	1009.46	1009.43	1009.43	1009.40	1009.39	1009.37	1009.33	1009.29	1009.23	1009.41
	15	1009.21	1009.27	1009.28	1009.27	1009.28	1009.27	1009.24	1009.23	1009.25	1009.31	1009.40	1009.45	1009.29
	16	1009.50	1009.49	1009.45	1009.44	1009.41	1009.41	1009.45	1009.45	1009.46	1009.47	1009.47	1009.46	1009.45
	17	1009.41	1009.36	1009.36	1009.40	1009.44	1009.44	1009.41	1009.41	1009.43	1009.43	1009.41	1009.39	1009.41
	18	1009.39	1009.40	1009.37	1009.37	1009.41	1009.40	1009.36	1009.36	1009.35	1009.33	1009.34	1009.36	1009.37
	19	1009.33	1009.34	1009.41	1009.48	1009.53	1009.55	1009.59	1009.64	1009.65	1009.68	1009.72	1009.74	1009.55
	20	1009.77	1009.77	1009.72	1009.71	1009.72	1009.69	1009.67	1009.68	1009.72	1009.75	1009.77	1009.81	1009.73
	21	1009.81	1009.80	1009.81	1009.83	1009.87	1009.92	1009.96	1009.99	1010.05	1010.16	1010.25	1010.30	1009.98
	22	1010.33	1010.33	1010.30	1010.28	1010.26	1010.25	1010.30	1010.36	1010.40	1010.43	1010.40	1010.34	1010.33
	23	1010.25	1010.16	1010.13	1010.18	1010.26	1010.32	1010.34	1010.34	1010.34	1010.29	1010.27	1010.24	1010.26
6	0	1010.17	1010.18	1010.23	1010.29	1010.28	1010.25	1010.17	1010.06	1009.98	1009.92	1009.91	1009.91	1010.11
	1	1009.90	1009.94	1009.94	1009.84	1009.68	1009.53	1009.50	1009.54	1009.54	1009.50	1009.48	1009.48	1009.65
	2	1009.52	1009.61	1009.67	1009.71	1009.71	1009.64	1009.53	1009.44	1009.44	1009.45	1009.44	1009.49	1009.55
	3	1009.52	1009.55	1009.61	1009.64	1009.65	1009.67	1009.72	1009.78	1009.84	1009.97	1010.07	1010.15	1009.76
	4	1010.24	1010.24	1010.24	1010.26	1010.25	1010.24	1010.24	1010.21	1010.23	1010.27	1010.31	1010.35	1010.25
	5	1010.37	1010.43	1010.45	1010.45	1010.49	1010.52	1010.53	1010.52	1010.55	1010.61	1010.64	1010.65	1010.52
	6	1010.60	1010.58	1010.57	1010.52	1010.50	1010.54	1010.61	1010.64	1010.68	1010.78	1010.83	1010.76	1010.63
	7	1010.69	1010.67	1010.66	1010.67	1010.67	1010.70	1010.76	1010.76	1010.76	1010.81	1010.83	1010.83	1010.73
	8	1010.82	1010.81	1010.85	1010.86	1010.84	1010.85	1010.84	1010.83	1010.86	1010.88	1010.82	1010.80	1010.84
	9	1010.83	1010.86	1010.92	1010.96	1010.96	1010.93	1010.88	1010.84	1010.77	1010.75	1010.79	1010.80	1010.86
	10	1010.82	1010.86	1010.89	1010.90	1010.93	1010.97	1011.00	1011.02	1010.99	1010.97	1010.97	1010.94	1010.94
	11	1010.90	1010.88	1010.86	1010.86	1010.85	1010.85	1010.91	1010.92	1010.91	1010.90	1010.88	1010.84	1010.88
	12	1010.83	1010.82	1010.78	1010.82	1010.87	1010.91	1010.93	1010.92	1010.91	1010.92	1010.96	1011.01	1010.89
	13	1011.02	1011.01	1011.02	1010.99	1010.94	1010.95	1010.97	1010.95	1010.94	1010.97	1010.95	1010.89	1010.97
	14	1010.87	1010.87	1010.86	1010.87	1010.93	1010.98	1010.99	1010.96	1010.96	1010.97	1010.95	1010.95	1010.93
	15	1010.95	1010.93	1010.96	1010.98	1010.97	1010.91	1010.89	1010.92	1010.93	1010.93	1010.95	1011.01	1010.94
	16	1010.98	1010.94	1010.97	1010.95	1010.92	1010.88	1010.88	1010.93	1010.90	1010.86	1010.82	1010.80	1010.90
	17	1010.82	1010.86	1010.88	1010.94	1011.00	1011.02	1010.99	1010.96	1011.00	1011.07	1011.09	1011.10	1010.98
	18	1011.11	1011.09	1011.08	1011.09	1011.09	1011.10	1011.12	1011.12	1011.15	1011.19	1011.21	1011.25	1011.13
	19	1011.29	1011.35	1011.41	1011.46	1011.54	1011.64	1011.74	1011.80	1011.85	1011.96	1012.12	1012.23	1011.70
	20	1012.28	1012.37	1012.45	1012.47	1012.52	1012.59	1012.58	1012.57	1012.58	1012.56	1012.58	1012.58	1012.51
	21	1012.52	1012.52	1012.56	1012.56	1012.56	1012.55	1012.53	1012.55	1012.59	1012.59	1012.59	1012.58	1012.55
	22	1012.53	1012.48	1012.45	1012.41	1012.39	1012.41	1012.46	1012.50	1012.51	1012.49	1012.49	1012.53	1012.47
	23	1012.57	1012.58	1012.58	1012.61	1012.58	1012.55	1012.54	1012.54	1012.56	1012.56	1012.57	1012.60	1012.57

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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	1012.64	1012.64	1012.68	1012.70	1012.68	1012.68	1012.65	1012.59	1012.54	1012.52	1012.53	1012.55	1012.61
	1	1012.54	1012.55	1012.53	1012.47	1012.48	1012.54	1012.55	1012.52	1012.54	1012.57	1012.61	1012.65	1012.54
	2	1012.66	1012.65	1012.64	1012.62	1012.58	1012.55	1012.56	1012.56	1012.57	1012.61	1012.61	1012.61	1012.60
	3	1012.63	1012.64	1012.66	1012.66	1012.65	1012.63	1012.61	1012.62	1012.61	1012.60	1012.61	1012.61	1012.62
	4	1012.61	1012.61	1012.62	1012.65	1012.70	1012.72	1012.69	1012.65	1012.64	1012.68	1012.75	1012.78	1012.67
	5	1012.78	1012.78	1012.75	1012.74	1012.76	1012.77	1012.79	1012.82	1012.86	1012.89	1012.91	1012.92	1012.81
	6	1012.92	1012.97	1013.01	1013.03	1013.04	1013.04	1013.06	1013.07	1013.05	1013.05	1013.05	1013.02	1013.02
	7	1012.97	1012.93	1012.92	1012.92	1012.90	1012.90	1012.92	1012.96	1013.00	1013.01	1012.97	1012.96	1012.94
	8	1012.98	1013.01	1013.05	1013.04	1013.01	1012.98	1012.96	1012.92	1012.89	1012.90	1012.89	1012.88	1012.96
	9	1012.85	1012.83	1012.85	1012.87	1012.90	1012.89	1012.88	1012.89	1012.91	1012.92	1012.91	1012.91	1012.88
	10	1012.90	1012.90	1012.90	1012.94	1013.00	1013.02	1013.02	1013.05	1013.12	1013.19	1013.21	1013.22	1013.04
	11	1013.20	1013.16	1013.13	1013.08	1013.07	1013.09	1013.05	1013.04	1013.08	1013.09	1013.07	1013.02	1013.09
	12	1012.97	1012.92	1012.86	1012.83	1012.80	1012.78	1012.76	1012.78	1012.82	1012.82	1012.83	1012.84	1012.83
	13	1012.84	1012.79	1012.80	1012.83	1012.81	1012.79	1012.80	1012.78	1012.77	1012.79	1012.79	1012.74	1012.79
	14	1012.69	1012.64	1012.57	1012.54	1012.48	1012.43	1012.41	1012.34	1012.29	1012.28	1012.24	1012.23	1012.43
	15	1012.22	1012.18	1012.18	1012.20	1012.19	1012.19	1012.20	1012.20	1012.16	1012.14	1012.13	1012.12	1012.17
	16	1012.13	1012.15	1012.14	1012.12	1012.10	1012.09	1012.06	1012.04	1012.02	1012.00	1012.02	1012.00	1012.07
	17	1011.96	1011.95	1011.93	1011.89	1011.87	1011.92	1011.95	1011.93	1011.92	1011.96	1012.01	1012.06	1011.94
	18	1012.11	1012.16	1012.19	1012.20	1012.20	1012.21	1012.23	1012.26	1012.27	1012.27	1012.27	1012.27	1012.22
	19	1012.26	1012.24	1012.27	1012.34	1012.41	1012.50	1012.59	1012.67	1012.70	1012.69	1012.69	1012.70	1012.50
	20	1012.69	1012.70	1012.72	1012.73	1012.75	1012.76	1012.76	1012.76	1012.75	1012.77	1012.80	1012.84	1012.75
	21	1012.86	1012.84	1012.83	1012.82	1012.79	1012.76	1012.78	1012.82	1012.82	1012.80	1012.79	1012.78	1012.81
	22	1012.76	1012.73	1012.71	1012.73	1012.76	1012.77	1012.75	1012.72	1012.70	1012.68	1012.70	1012.75	1012.73
	23	1012.79	1012.81	1012.82	1012.82	1012.84	1012.83	1012.77	1012.75	1012.80	1012.85	1012.87	1012.90	1012.82
8	0	1012.88	1012.88	1012.89	1012.87	1012.83	1012.83	1012.88	1012.90	1012.89	1012.87	1012.89	1012.92	1012.88
	1	1012.95	1012.95	1012.94	1012.96	1012.95	1012.93	1012.97	1013.05	1013.08	1013.04	1012.97	1012.96	1012.98
	2	1012.93	1012.83	1012.72	1012.64	1012.55	1012.48	1012.44	1012.45	1012.49	1012.51	1012.49	1012.50	1012.58
	3	1012.51	1012.52	1012.52	1012.48	1012.44	1012.45	1012.43	1012.39	1012.39	1012.37	1012.35	1012.32	1012.43
	4	1012.29	1012.27	1012.27	1012.37	1012.45	1012.46	1012.47	1012.49	1012.54	1012.59	1012.64	1012.68	1012.46
	5	1012.69	1012.70	1012.67	1012.62	1012.60	1012.60	1012.59	1012.61	1012.61	1012.58	1012.55	1012.56	1012.61
	6	1012.58	1012.58	1012.55	1012.52	1012.57	1012.62	1012.65	1012.67	1012.65	1012.63	1012.59	1012.56	1012.60
	7	1012.60	1012.66	1012.66	1012.69	1012.76	1012.78	1012.75	1012.69	1012.69	1012.68	1012.60	1012.52	1012.67
	8	1012.54	1012.56	1012.54	1012.53	1012.51	1012.45	1012.43	1012.40	1012.33	1012.28	1012.27	1012.28	1012.42
	9	1012.28	1012.28	1012.26	1012.22	1012.20	1012.18	1012.22	1012.22	1012.19	1012.20	1012.17	1012.14	1012.21
	10	1012.14	1012.14	1012.12	1012.13	1012.15	1012.15	1012.15	1012.15	1012.18	1012.25	1012.33	1012.39	1012.19
	11	1012.42	1012.43	1012.44	1012.48	1012.50	1012.51	1012.53	1012.54	1012.52	1012.51	1012.46	1012.41	1012.48
	12	1012.40	1012.38	1012.34	1012.28	1012.24	1012.21	1012.20	1012.20	1012.20	1012.19	1012.15	1012.12	1012.24
	13	1012.10	1012.06	1012.04	1011.97	1011.93	1011.96	1011.96	1011.99	1012.00	1011.94	1011.92	1011.95	1011.98
	14	1011.95	1011.96	1011.95	1011.97	1011.98	1012.00	1012.03	1012.04	1012.06	1012.10	1012.11	1012.12	1012.02
	15	1012.13	1012.11	1012.11	1012.13	1012.16	1012.13	1012.09	1012.09	1012.05	1012.00	1011.96	1011.95	1012.07
	16	1011.96	1011.97	1011.95	1011.89	1011.82	1011.83	1011.86	1011.83	1011.78	1011.75	1011.72	1011.67	1011.83
	17	1011.62	1011.55	1011.55	1011.56	1011.57	1011.62	1011.64	1011.66	1011.65	1011.64	1011.64	1011.64	1011.61
	18	1011.65	1011.65	1011.62	1011.60	1011.59	1011.59	1011.60	1011.62	1011.63	1011.65	1011.65	1011.62	1011.62
	19	1011.62	1011.66	1011.68	1011.73	1011.81	1011.88	1011.95	1012.01	1012.09	1012.17	1012.21	1012.26	1011.92
	20	1012.29	1012.31	1012.35	1012.41	1012.44	1012.44	1012.43	1012.41	1012.39	1012.35	1012.34	1012.34	1012.37
	21	1012.32	1012.29	1012.26	1012.22	1012.19	1012.20	1012.23	1012.25	1012.25	1012.31	1012.38	1012.41	1012.27
	22	1012.41	1012.37	1012.32	1012.30	1012.30	1012.31	1012.31	1012.29	1012.27	1012.28	1012.27	1012.27	1012.30
	23	1012.25	1012.21	1012.20	1012.23	1012.26	1012.27	1012.29	1012.32	1012.32	1012.30	1012.29	1012.25	1012.26

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
9	0	1012.17	1012.17	1012.16	1012.17	1012.17	1012.13	1012.07	1012.02	1012.06	1012.12	1012.12	1012.10	1012.12
	1	1012.06	1012.07	1012.12	1012.10	1012.08	1012.08	1012.06	1012.03	1012.01	1012.01	1011.99	1011.94	1012.05
	2	1011.87	1011.84	1011.79	1011.75	1011.75	1011.76	1011.78	1011.76	1011.73	1011.69	1011.64	1011.64	1011.75
	3	1011.59	1011.49	1011.49	1011.50	1011.47	1011.40	1011.38	1011.35	1011.33	1011.40	1011.44	1011.45	1011.44
	4	1011.41	1011.38	1011.38	1011.38	1011.43	1011.45	1011.44	1011.45	1011.48	1011.52	1011.55	1011.55	1011.45
	5	1011.52	1011.48	1011.40	1011.34	1011.28	1011.21	1011.20	1011.20	1011.19	1011.21	1011.22	1011.19	1011.28
	6	1011.21	1011.18	1011.12	1011.13	1011.14	1011.09	1011.04	1011.02	1011.06	1011.12	1011.15	1011.17	1011.12
	7	1011.25	1011.32	1011.30	1011.28	1011.25	1011.22	1011.27	1011.31	1011.29	1011.28	1011.28	1011.29	1011.27
	8	1011.27	1011.26	1011.26	1011.26	1011.30	1011.28	1011.22	1011.22	1011.26	1011.36	1011.51	1011.58	1011.31
	9	1011.55	1011.52	1011.56	1011.62	1011.62	1011.61	1011.63	1011.64	1011.64	1011.61	1011.57	1011.59	1011.59
	10	1011.54	1011.52	1011.56	1011.61	1011.65	1011.66	1011.67	1011.72	1011.77	1011.83	1011.90	1011.91	1011.69
	11	1011.93	1012.02	1012.09	1012.09	1012.10	1012.03	1011.95	1011.95	1011.96	1011.92	1011.88	1011.93	1011.98
	12	1012.01	1012.07	1012.08	1012.11	1012.08	1011.97	1011.89	1011.90	1011.90	1011.88	1011.85	1011.79	1011.96
	13	1011.69	1011.61	1011.56	1011.52	1011.48	1011.47	1011.49	1011.48	1011.43	1011.40	1011.32	1011.29	1011.48
	14	1011.32	1011.32	1011.30	1011.26	1011.24	1011.24	1011.23	1011.25	1011.30	1011.32	1011.32	1011.31	1011.28
	15	1011.31	1011.31	1011.29	1011.29	1011.31	1011.27	1011.18	1011.10	1011.08	1011.06	1011.06	1011.08	1011.19
	16	1011.08	1011.04	1010.96	1010.88	1010.86	1010.84	1010.78	1010.72	1010.68	1010.63	1010.62	1010.66	1010.81
	17	1010.70	1010.70	1010.69	1010.68	1010.66	1010.68	1010.72	1010.71	1010.68	1010.62	1010.55	1010.51	1010.66
	18	1010.51	1010.55	1010.60	1010.58	1010.55	1010.58	1010.58	1010.58	1010.62	1010.66	1010.69	1010.70	1010.60
	19	1010.70	1010.74	1010.75	1010.75	1010.77	1010.81	1010.87	1010.90	1010.89	1010.91	1010.98	1011.07	1010.84
	20	1011.12	1011.14	1011.17	1011.25	1011.32	1011.33	1011.37	1011.43	1011.46	1011.47	1011.47	1011.49	1011.33
	21	1011.54	1011.58	1011.62	1011.67	1011.69	1011.69	1011.71	1011.75	1011.78	1011.82	1011.87	1011.90	1011.72
	22	1011.91	1011.89	1011.85	1011.80	1011.75	1011.74	1011.73	1011.73	1011.77	1011.78	1011.77	1011.77	1011.79
	23	1011.79	1011.78	1011.78	1011.83	1011.83	1011.79	1011.78	1011.79	1011.79	1011.80	1011.81	1011.79	1011.79
10	0	1011.77	1011.77	1011.78	1011.79	1011.78	1011.80	1011.80	1011.70	1011.65	1011.68	1011.72	1011.76	1011.75
	1	1011.77	1011.80	1011.80	1011.74	1011.65	1011.60	1011.54	1011.50	1011.52	1011.50	1011.41	1011.33	1011.59
	2	1011.30	1011.27	1011.25	1011.24	1011.20	1011.18	1011.18	1011.19	1011.21	1011.21	1011.20	1011.19	1011.22
	3	1011.21	1011.27	1011.34	1011.41	1011.42	1011.38	1011.37	1011.35	1011.31	1011.29	1011.26	1011.26	1011.32
	4	1011.32	1011.34	1011.31	1011.26	1011.26	1011.29	1011.33	1011.36	1011.38	1011.42	1011.46	1011.51	1011.35
	5	1011.54	1011.60	1011.68	1011.66	1011.65	1011.70	1011.73	1011.71	1011.70	1011.69	1011.71	1011.73	1011.67
	6	1011.75	1011.77	1011.78	1011.80	1011.83	1011.82	1011.80	1011.78	1011.78	1011.81	1011.83	1011.83	1011.80
	7	1011.81	1011.82	1011.87	1011.89	1011.89	1011.90	1011.91	1011.92	1011.92	1011.95	1011.99	1011.97	1011.90
	8	1011.99	1012.05	1012.00	1011.98	1012.05	1012.14	1012.20	1012.26	1012.27	1012.23	1012.22	1012.19	1012.13
	9	1012.19	1012.26	1012.32	1012.36	1012.40	1012.42	1012.42	1012.45	1012.51	1012.55	1012.58	1012.58	1012.42
	10	1012.54	1012.51	1012.50	1012.51	1012.49	1012.48	1012.47	1012.45	1012.43	1012.38	1012.35	1012.36	1012.45
	11	1012.31	1012.22	1012.20	1012.18	1012.18	1012.18	1012.17	1012.18	1012.14	1012.09	1012.05	1012.04	1012.16
	12	1012.07	1012.07	1012.04	1012.03	1012.02	1011.99	1011.96	1011.96	1011.99	1011.99	1011.98	1011.96	1012.00
	13	1011.94	1011.96	1011.93	1011.89	1011.89	1011.88	1011.86	1011.84	1011.82	1011.81	1011.79	1011.83	1011.87
	14	1011.85	1011.84	1011.84	1011.86	1011.92	1011.97	1012.00	1012.02	1011.99	1011.96	1011.96	1011.95	1011.93
	15	1011.97	1012.01	1012.00	1011.97	1011.99	1012.01	1011.99	1011.96	1011.92	1011.83	1011.79	1011.83	1011.94
	16	1011.88	1011.88	1011.84	1011.80	1011.78	1011.80	1011.86	1011.92	1011.95	1011.99	1012.01	1012.00	1011.89
	17	1011.98	1011.97	1011.98	1011.98	1012.01	1012.04	1012.03	1012.04	1012.07	1012.04	1012.02	1012.03	1012.01
	18	1012.07	1012.14	1012.18	1012.20	1012.26	1012.32	1012.35	1012.38	1012.37	1012.37	1012.40	1012.46	1012.29
	19	1012.52	1012.54	1012.52	1012.53	1012.60	1012.68	1012.77	1012.83	1012.87	1012.88	1012.81	1012.78	1012.69
	20	1012.82	1012.89	1013.00	1013.10	1013.18	1013.22	1013.23	1013.25	1013.27	1013.25	1013.22	1013.19	1013.13
	21	1013.19	1013.22	1013.23	1013.23	1013.23	1013.26	1013.32	1013.39	1013.42	1013.46	1013.48	1013.49	1013.32
	22	1013.54	1013.55	1013.56	1013.56	1013.55	1013.56	1013.61	1013.68	1013.69	1013.61	1013.49	1013.46	1013.57
	23	1013.44	1013.31	1013.20	1013.19	1013.24	1013.29	1013.29	1013.30	1013.32	1013.30	1013.26	1013.24	1013.28

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1013.21	1013.21	1013.16	1013.19	1013.28	1013.28	1013.26	1013.27	1013.26	1013.21	1013.20	1013.19	1013.23
	1	1013.17	1013.16	1013.19	1013.25	1013.25	1013.24	1013.25	1013.23	1013.26	1013.30	1013.28	1013.28	1013.24
	2	1013.26	1013.22	1013.27	1013.36	1013.39	1013.39	1013.42	1013.49	1013.55	1013.58	1013.60	1013.62	1013.43
	3	1013.60	1013.61	1013.68	1013.75	1013.81	1013.87	1013.93	1014.00	1014.03	1014.01	1014.02	1014.06	1013.86
	4	1014.10	1014.14	1014.20	1014.26	1014.32	1014.38	1014.40	1014.39	1014.41	1014.45	1014.47	1014.45	1014.33
	5	1014.40	1014.35	1014.34	1014.35	1014.33	1014.36	1014.35	1014.36	1014.40	1014.38	1014.39	1014.42	1014.37
	6	1014.43	1014.40	1014.40	1014.43	1014.45	1014.42	1014.36	1014.34	1014.33	1014.32	1014.34	1014.39	1014.38
	7	1014.42	1014.46	1014.49	1014.49	1014.49	1014.50	1014.49	1014.48	1014.47	1014.47	1014.48	1014.51	1014.48
	8	1014.53	1014.52	1014.53	1014.47	1014.38	1014.29	1014.22	1014.22	1014.21	1014.15	1014.09	1014.11	1014.31
	9	1014.15	1014.09	1014.00	1013.98	1013.98	1013.94	1013.91	1013.96	1013.99	1013.99	1013.96	1013.93	1013.99
	10	1013.94	1013.97	1013.98	1013.99	1014.03	1014.06	1014.03	1014.01	1014.02	1014.05	1014.08	1014.12	1014.02
	11	1014.15	1014.17	1014.20	1014.24	1014.27	1014.34	1014.38	1014.41	1014.43	1014.46	1014.48	1014.45	1014.33
	12	1014.41	1014.38	1014.37	1014.34	1014.30	1014.29	1014.25	1014.19	1014.15	1014.11	1014.04	1014.01	1014.23
	13	1014.01	1013.98	1013.94	1013.89	1013.89	1013.90	1013.86	1013.80	1013.74	1013.66	1013.56	1013.48	1013.81
	14	1013.45	1013.41	1013.38	1013.31	1013.20	1013.08	1012.96	1012.93	1012.95	1012.96	1012.97	1012.95	1013.13
	15	1012.95	1012.96	1012.91	1012.79	1012.81	1012.89	1012.88	1012.85	1012.77	1012.73	1012.71	1012.68	1012.83
	16	1012.66	1012.70	1012.70	1012.69	1012.75	1012.85	1012.91	1012.91	1012.89	1012.92	1012.95	1012.96	1012.82
	17	1013.00	1013.02	1013.02	1013.04	1013.09	1013.13	1013.14	1013.16	1013.20	1013.22	1013.20	1013.21	1013.12
	18	1013.22	1013.20	1013.18	1013.16	1013.15	1013.16	1013.20	1013.25	1013.27	1013.28	1013.30	1013.32	1013.22
	19	1013.36	1013.40	1013.42	1013.47	1013.50	1013.50	1013.50	1013.51	1013.58	1013.68	1013.77	1013.83	1013.54
	20	1013.87	1013.86	1013.87	1013.90	1013.87	1013.83	1013.85	1013.89	1013.93	1013.99	1014.00	1013.97	1013.90
	21	1013.94	1013.90	1013.93	1013.96	1013.97	1013.95	1013.86	1013.81	1013.83	1013.87	1013.88	1013.92	1013.90
	22	1013.97	1013.95	1013.91	1013.92	1013.93	1013.95	1013.91	1013.84	1013.77	1013.63	1013.51	1013.48	1013.81
	23	1013.45	1013.33	1013.24	1013.15	1013.15	1013.22	1013.23	1013.20	1013.14	1013.12	1013.08	1012.99	1013.19
12	0	1012.87	1012.85	1012.77	1012.68	1012.62	1012.60	1012.56	1012.50	1012.44	1012.38	1012.37	1012.31	1012.56
	1	1012.24	1012.20	1012.20	1012.18	1012.16	1012.16	1012.19	1012.22	1012.23	1012.28	1012.36	1012.40	1012.23
	2	1012.42	1012.43	1012.45	1012.48	1012.48	1012.46	1012.45	1012.50	1012.58	1012.64	1012.69	1012.76	1012.53
	3	1012.83	1012.88	1012.97	1013.07	1013.17	1013.25	1013.30	1013.35	1013.39	1013.45	1013.49	1013.48	1013.22
	4	1013.51	1013.55	1013.58	1013.62	1013.67	1013.71	1013.73	1013.68	1013.63	1013.59	1013.50	1013.44	1013.60
	5	1013.45	1013.44	1013.44	1013.52	1013.55	1013.50	1013.49	1013.49	1013.47	1013.46	1013.43	1013.37	1013.46
	6	1013.28	1013.23	1013.22	1013.18	1013.08	1012.96	1012.87	1012.77	1012.74	1012.73	1012.71	1012.74	1012.96
	7	1012.85	1013.06	1013.24	1013.29	1013.12	1012.88	1012.61	1012.33	1012.31	1012.45	1012.55	1012.78	1012.79
	8	1013.06	1013.22	1013.19	1012.95	1012.71	1012.71	1012.75	1012.61	1012.46	1012.33	1012.30	1012.35	1012.72
	9	1012.52	1012.63	1012.75	1012.99	1013.12	1013.06	1012.86	1013.04	1013.12	1012.91	1012.88	1012.83	1012.89
	10	1012.89	1012.96	1013.00	1013.09	1013.06	1012.85	1012.74	1012.75	1012.73	1012.66	1012.69	1012.68	1012.84
	11	1012.51	1012.39	1012.24	1012.04	1012.12	1012.46	1012.62	1012.55	1012.51	1012.50	1012.47	1012.44	1012.40
	12	1012.43	1012.46	1012.47	1012.49	1012.48	1012.44	1012.40	1012.38	1012.36	1012.35	1012.35	1012.28	1012.41
	13	1012.19	1012.09	1012.02	1011.94	1011.83	1011.80	1011.84	1011.87	1011.86	1011.79	1011.70	1011.65	1011.88
	14	1011.66	1011.68	1011.64	1011.62	1011.63	1011.61	1011.61	1011.63	1011.68	1011.72	1011.74	1011.75	1011.66
	15	1011.75	1011.78	1011.78	1011.80	1011.83	1011.83	1011.82	1011.82	1011.83	1011.81	1011.77	1011.76	1011.80
	16	1011.78	1011.80	1011.83	1011.90	1011.97	1011.97	1011.95	1011.93	1011.88	1011.83	1011.82	1011.85	1011.87
	17	1011.87	1011.90	1011.94	1011.95	1011.99	1012.02	1012.03	1012.07	1012.10	1012.08	1012.09	1012.13	1012.01
	18	1012.16	1012.16	1012.16	1012.18	1012.23	1012.29	1012.33	1012.39	1012.48	1012.54	1012.59	1012.67	1012.35
	19	1012.73	1012.76	1012.83	1012.89	1012.91	1012.92	1012.96	1013.02	1013.06	1013.10	1013.12	1013.13	1012.95
	20	1013.15	1013.17	1013.20	1013.26	1013.30	1013.31	1013.28	1013.22	1013.18	1013.09	1013.02	1013.04	1013.18
	21	1013.05	1013.04	1013.05	1013.06	1013.08	1013.13	1013.17	1013.19	1013.22	1013.19	1013.16	1013.18	1013.13
	22	1013.19	1013.18	1013.15	1013.11	1013.10	1013.11	1013.08	1013.04	1012.97	1012.91	1012.91	1012.92	1013.05
	23	1012.90	1012.89	1012.87	1012.84	1012.88	1012.95	1012.98	1012.99	1013.01	1013.03	1012.98	1012.94	1012.94

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
13	0	1012.91	1012.87	1012.80	1012.78	1012.80	1012.75	1012.70	1012.70	1012.65	1012.58	1012.50	1012.39	1012.69
	1	1012.31	1012.21	1012.08	1011.99	1011.94	1011.88	1011.81	1011.73	1011.68	1011.67	1011.65	1011.62	1011.88
	2	1011.58	1011.54	1011.49	1011.44	1011.43	1011.43	1011.43	1011.38	1011.30	1011.29	1011.31	1011.31	1011.41
	3	1011.29	1011.29	1011.31	1011.30	1011.29	1011.29	1011.30	1011.33	1011.32	1011.28	1011.28	1011.28	1011.29
	4	1011.31	1011.38	1011.39	1011.39	1011.42	1011.43	1011.43	1011.43	1011.51	1011.64	1011.76	1011.82	1011.49
	5	1011.83	1011.87	1011.92	1011.86	1011.69	1011.54	1011.47	1011.48	1011.50	1011.49	1011.54	1011.61	1011.65
	6	1011.66	1011.69	1011.69	1011.70	1011.69	1011.71	1011.71	1011.66	1011.56	1011.48	1011.47	1011.52	1011.63
	7	1011.60	1011.61	1011.64	1011.72	1011.73	1011.75	1011.82	1011.85	1011.75	1011.66	1011.64	1011.62	1011.70
	8	1011.58	1011.56	1011.62	1011.63	1011.59	1011.57	1011.56	1011.59	1011.54	1011.41	1011.36	1011.44	1011.54
	9	1011.51	1011.57	1011.66	1011.64	1011.59	1011.55	1011.53	1011.55	1011.59	1011.61	1011.62	1011.62	1011.58
	10	1011.64	1011.64	1011.58	1011.57	1011.61	1011.67	1011.67	1011.58	1011.57	1011.57	1011.52	1011.43	1011.59
	11	1011.40	1011.37	1011.32	1011.30	1011.27	1011.25	1011.24	1011.19	1011.09	1011.00	1011.09	1011.20	1011.23
	12	1011.16	1011.17	1011.28	1011.41	1011.44	1011.38	1011.35	1011.37	1011.30	1011.23	1011.23	1011.19	1011.29
	13	1011.12	1011.06	1011.02	1011.03	1010.99	1010.94	1010.93	1010.88	1010.86	1010.89	1010.91	1010.96	1010.96
	14	1010.97	1010.96	1010.99	1010.96	1010.93	1010.93	1010.91	1010.88	1010.87	1010.91	1010.91	1010.87	1010.92
	15	1010.83	1010.81	1010.86	1010.91	1010.88	1010.84	1010.85	1010.80	1010.72	1010.71	1010.72	1010.72	1010.80
	16	1010.71	1010.66	1010.61	1010.58	1010.59	1010.58	1010.54	1010.52	1010.55	1010.56	1010.57	1010.61	1010.59
	17	1010.67	1010.73	1010.80	1010.84	1010.83	1010.82	1010.85	1010.95	1011.05	1011.13	1011.16	1011.14	1010.91
	18	1011.11	1011.09	1011.09	1011.12	1011.14	1011.14	1011.18	1011.19	1011.18	1011.18	1011.17	1011.16	1011.14
	19	1011.17	1011.21	1011.27	1011.31	1011.32	1011.33	1011.35	1011.38	1011.41	1011.42	1011.46	1011.51	1011.34
	20	1011.58	1011.63	1011.63	1011.68	1011.77	1011.83	1011.88	1011.96	1012.09	1012.20	1012.24	1012.26	1011.89
	21	1012.28	1012.27	1012.24	1012.22	1012.21	1012.16	1012.12	1012.14	1012.15	1012.20	1012.22	1012.15	1012.19
	22	1012.13	1012.14	1012.15	1012.16	1012.13	1012.12	1012.13	1012.17	1012.19	1012.20	1012.19	1012.19	1012.16
	23	1012.23	1012.22	1012.18	1012.19	1012.24	1012.26	1012.26	1012.27	1012.25	1012.21	1012.24	1012.24	1012.23
14	0	1012.17	1012.17	1012.15	1012.14	1012.14	1012.13	1012.13	1012.14	1012.09	1012.05	1012.07	1012.10	1012.12
	1	1012.04	1011.97	1011.99	1012.00	1011.98	1011.91	1011.88	1011.90	1011.89	1011.90	1011.90	1011.92	1011.94
	2	1011.92	1011.90	1011.87	1011.84	1011.82	1011.77	1011.73	1011.69	1011.62	1011.59	1011.57	1011.54	1011.74
	3	1011.54	1011.57	1011.60	1011.68	1011.76	1011.77	1011.80	1011.83	1011.85	1011.89	1011.90	1011.93	1011.76
	4	1011.94	1011.93	1011.96	1012.03	1012.04	1012.00	1011.98	1012.00	1011.98	1011.94	1011.98	1012.05	1011.98
	5	1012.07	1012.07	1012.07	1012.07	1012.07	1012.08	1012.08	1012.09	1012.09	1012.07	1012.08	1012.10	1012.08
	6	1012.13	1012.21	1012.24	1012.20	1012.20	1012.18	1012.17	1012.20	1012.17	1012.12	1012.11	1012.18	1012.17
	7	1012.21	1012.21	1012.21	1012.18	1012.20	1012.22	1012.16	1012.11	1012.10	1012.07	1012.02	1011.95	1012.14
	8	1011.82	1011.71	1011.60	1011.55	1011.62	1011.64	1011.65	1011.75	1011.85	1011.87	1011.87	1011.86	1011.73
	9	1011.83	1011.83	1011.82	1011.83	1011.88	1011.93	1011.95	1011.95	1011.95	1011.95	1011.98	1012.06	1011.91
	10	1012.09	1012.08	1012.04	1012.02	1011.99	1011.95	1011.93	1011.87	1011.83	1011.84	1011.82	1011.78	1011.93
	11	1011.75	1011.77	1011.78	1011.73	1011.69	1011.68	1011.64	1011.63	1011.66	1011.65	1011.65	1011.66	1011.69
	12	1011.65	1011.66	1011.69	1011.67	1011.68	1011.71	1011.70	1011.68	1011.65	1011.56	1011.48	1011.48	1011.63
	13	1011.49	1011.46	1011.45	1011.44	1011.46	1011.49	1011.50	1011.54	1011.51	1011.40	1011.37	1011.41	1011.46
	14	1011.41	1011.43	1011.47	1011.48	1011.45	1011.42	1011.41	1011.35	1011.31	1011.33	1011.28	1011.24	1011.38
	15	1011.22	1011.19	1011.22	1011.23	1011.19	1011.16	1011.16	1011.19	1011.19	1011.19	1011.16	1011.15	1011.18
	16	1011.18	1011.18	1011.18	1011.24	1011.37	1011.45	1011.45	1011.48	1011.47	1011.41	1011.37	1011.37	1011.34
	17	1011.29	1011.22	1011.21	1011.16	1011.11	1011.16	1011.31	1011.37	1011.31	1011.27	1011.15	1010.88	1011.20
	18	1010.64	1010.34	1009.91	1010.00	1010.46	1010.56	1010.36	1010.16	1010.10	1010.06	1009.98	1009.95	1010.21
	19	1009.88	1009.60	1009.17	1009.33	1009.76	1010.02	1010.20	1010.31	1010.42	1010.37	1010.25	1010.26	1009.96
	20	1010.38	1010.35	1010.36	1010.27	1010.07	1009.97	1009.92	1009.87	1009.76	1009.67	1009.72	1009.92	1010.02
	21	1010.27	1010.74	1010.85	1010.54	1010.27	1010.33	1010.45	1010.39	1010.34	1010.33	1010.34	1010.41	1010.44
	22	1010.58	1010.68	1010.77	1011.00	1011.05	1011.00	1011.05	1011.07	1011.03	1011.00	1010.92	1010.82	1010.91
	23	1010.73	1010.72	1010.70	1010.62	1010.58	1010.61	1010.63	1010.63	1010.60	1010.57	1010.60	1010.70	1010.64

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1010.67	1010.66	1010.64	1010.65	1010.65	1010.63	1010.62	1010.55	1010.48	1010.43	1010.39	1010.36	1010.55
	1	1010.31	1010.25	1010.22	1010.21	1010.18	1010.15	1010.12	1010.12	1010.11	1010.10	1010.08	1010.05	1010.16
	2	1010.01	1009.91	1009.80	1009.74	1009.76	1009.80	1009.78	1009.74	1009.71	1009.66	1009.55	1009.46	1009.74
	3	1009.43	1009.43	1009.42	1009.40	1009.45	1009.48	1009.41	1009.33	1009.24	1009.17	1009.22	1009.33	1009.36
	4	1009.38	1009.49	1009.64	1009.76	1009.84	1009.85	1009.87	1009.94	1010.02	1010.07	1010.12	1010.19	1009.85
	5	1010.24	1010.24	1010.25	1010.30	1010.37	1010.42	1010.41	1010.32	1010.19	1010.10	1010.05	1010.04	1010.24
	6	1010.05	1010.06	1010.03	1009.99	1010.02	1010.07	1010.11	1010.11	1010.13	1010.22	1010.27	1010.30	1010.11
	7	1010.33	1010.35	1010.38	1010.40	1010.44	1010.53	1010.57	1010.58	1010.59	1010.56	1010.57	1010.60	1010.49
	8	1010.60	1010.57	1010.57	1010.61	1010.67	1010.73	1010.80	1010.88	1010.88	1010.93	1011.04	1011.12	1010.78
	9	1011.16	1011.18	1011.19	1011.19	1011.20	1011.25	1011.21	1011.11	1011.08	1011.07	1011.02	1010.98	1011.13
	10	1010.98	1011.01	1011.06	1011.09	1011.10	1011.12	1011.13	1011.11	1011.14	1011.17	1011.15	1011.15	1011.10
	11	1011.18	1011.17	1011.16	1011.18	1011.19	1011.22	1011.22	1011.23	1011.26	1011.26	1011.28	1011.25	1011.22
	12	1011.21	1011.23	1011.24	1011.23	1011.26	1011.36	1011.40	1011.39	1011.42	1011.46	1011.51	1011.55	1011.35
	13	1011.54	1011.50	1011.49	1011.49	1011.53	1011.53	1011.53	1011.52	1011.48	1011.48	1011.45	1011.42	1011.49
	14	1011.44	1011.44	1011.43	1011.45	1011.45	1011.42	1011.43	1011.48	1011.54	1011.52	1011.48	1011.47	1011.46
	15	1011.47	1011.44	1011.43	1011.44	1011.41	1011.41	1011.46	1011.45	1011.41	1011.42	1011.42	1011.41	1011.43
	16	1011.41	1011.41	1011.44	1011.49	1011.48	1011.43	1011.44	1011.46	1011.47	1011.50	1011.51	1011.54	1011.46
	17	1011.53	1011.48	1011.49	1011.52	1011.49	1011.44	1011.50	1011.55	1011.54	1011.56	1011.61	1011.65	1011.53
	18	1011.69	1011.75	1011.79	1011.85	1011.91	1011.93	1011.96	1011.99	1012.03	1012.10	1012.15	1012.18	1011.94
	19	1012.21	1012.24	1012.31	1012.42	1012.49	1012.54	1012.55	1012.59	1012.63	1012.63	1012.66	1012.74	1012.50
	20	1012.81	1012.86	1012.90	1012.92	1012.92	1012.90	1012.84	1012.77	1012.78	1012.86	1012.95	1013.00	1012.87
	21	1013.01	1013.04	1013.12	1013.20	1013.24	1013.27	1013.28	1013.31	1013.38	1013.42	1013.46	1013.47	1013.27
	22	1013.44	1013.43	1013.44	1013.46	1013.49	1013.52	1013.56	1013.61	1013.65	1013.68	1013.72	1013.72	1013.56
	23	1013.69	1013.64	1013.60	1013.58	1013.60	1013.67	1013.69	1013.69	1013.71	1013.75	1013.78	1013.77	1013.68
16	0	1013.77	1013.77	1013.76	1013.76	1013.78	1013.77	1013.74	1013.75	1013.78	1013.77	1013.76	1013.79	1013.77
	1	1013.80	1013.83	1013.85	1013.87	1013.87	1013.83	1013.80	1013.78	1013.76	1013.77	1013.75	1013.71	1013.80
	2	1013.68	1013.68	1013.76	1013.81	1013.80	1013.80	1013.80	1013.80	1013.81	1013.85	1013.93	1013.99	1013.81
	3	1014.02	1014.05	1014.12	1014.19	1014.20	1014.21	1014.23	1014.25	1014.27	1014.28	1014.33	1014.35	1014.21
	4	1014.35	1014.38	1014.40	1014.42	1014.44	1014.50	1014.53	1014.53	1014.55	1014.58	1014.63	1014.67	1014.50
	5	1014.77	1014.92	1014.98	1015.02	1015.09	1015.14	1015.16	1015.17	1015.19	1015.20	1015.22	1015.31	1015.10
	6	1015.41	1015.45	1015.47	1015.53	1015.59	1015.62	1015.64	1015.66	1015.72	1015.78	1015.81	1015.82	1015.62
	7	1015.79	1015.74	1015.73	1015.75	1015.74	1015.73	1015.75	1015.78	1015.77	1015.75	1015.74	1015.77	1015.75
	8	1015.79	1015.77	1015.77	1015.77	1015.77	1015.77	1015.77	1015.78	1015.79	1015.81	1015.82	1015.82	1015.78
	9	1015.82	1015.81	1015.81	1015.82	1015.81	1015.77	1015.74	1015.72	1015.72	1015.72	1015.67	1015.64	1015.75
	10	1015.65	1015.64	1015.63	1015.63	1015.61	1015.58	1015.55	1015.52	1015.54	1015.55	1015.52	1015.48	1015.57
	11	1015.45	1015.44	1015.41	1015.41	1015.38	1015.34	1015.33	1015.30	1015.26	1015.23	1015.23	1015.26	1015.33
	12	1015.32	1015.36	1015.31	1015.27	1015.24	1015.25	1015.35	1015.35	1015.33	1015.36	1015.41	1015.43	1015.33
	13	1015.39	1015.37	1015.36	1015.34	1015.34	1015.30	1015.29	1015.29	1015.30	1015.29	1015.28	1015.32	1015.32
	14	1015.29	1015.29	1015.36	1015.38	1015.36	1015.40	1015.42	1015.44	1015.44	1015.46	1015.44	1015.39	1015.39
	15	1015.44	1015.46	1015.46	1015.48	1015.45	1015.42	1015.41	1015.39	1015.39	1015.38	1015.32	1015.28	1015.40
	16	1015.34	1015.37	1015.35	1015.35	1015.35	1015.37	1015.39	1015.39	1015.37	1015.34	1015.35	1015.38	1015.36
	17	1015.42	1015.48	1015.49	1015.50	1015.54	1015.58	1015.60	1015.62	1015.67	1015.72	1015.76	1015.82	1015.60
	18	1015.88	1015.90	1015.93	1015.95	1015.98	1016.02	1016.05	1016.10	1016.14	1016.18	1016.22	1016.26	1016.05
	19	1016.33	1016.45	1016.54	1016.61	1016.66	1016.70	1016.73	1016.74	1016.76	1016.78	1016.82	1016.88	1016.67
	20	1016.93	1016.97	1016.99	1016.99	1017.04	1017.09	1017.12	1017.15	1017.18	1017.21	1017.24	1017.29	1017.10
	21	1017.33	1017.34	1017.38	1017.44	1017.48	1017.51	1017.55	1017.58	1017.63	1017.68	1017.71	1017.73	1017.53
	22	1017.77	1017.83	1017.86	1017.89	1017.91	1017.94	1017.96	1017.97	1018.01	1018.07	1018.11	1018.14	1017.95
	23	1018.18	1018.24	1018.24	1018.21	1018.19	1018.19	1018.18	1018.15	1018.14	1018.15	1018.16	1018.16	1018.18



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1018.11	1018.10	1018.06	1018.03	1018.05	1018.10	1018.12	1018.09	1018.08	1018.09	1018.07	1018.04	1018.07
	1	1018.01	1017.99	1017.97	1017.93	1017.88	1017.85	1017.83	1017.81	1017.80	1017.80	1017.82	1017.84	1017.88
	2	1017.82	1017.78	1017.77	1017.77	1017.75	1017.74	1017.74	1017.73	1017.73	1017.74	1017.77	1017.80	1017.76
	3	1017.84	1017.87	1017.87	1017.88	1017.91	1017.95	1017.98	1018.00	1018.00	1017.98	1017.96	1017.98	1017.93
	4	1018.01	1018.00	1018.00	1018.03	1018.03	1018.03	1018.06	1018.11	1018.15	1018.18	1018.17	1018.13	1018.07
	5	1018.12	1018.15	1018.20	1018.24	1018.29	1018.33	1018.35	1018.39	1018.43	1018.46	1018.48	1018.50	1018.33
	6	1018.54	1018.53	1018.53	1018.57	1018.59	1018.60	1018.62	1018.64	1018.67	1018.70	1018.73	1018.73	1018.62
	7	1018.72	1018.74	1018.74	1018.71	1018.70	1018.70	1018.68	1018.66	1018.64	1018.65	1018.64	1018.62	1018.68
	8	1018.62	1018.60	1018.60	1018.53	1018.42	1018.38	1018.35	1018.29	1018.22	1018.16	1018.12	1018.10	1018.36
	9	1018.12	1018.15	1018.19	1018.23	1018.23	1018.18	1018.12	1018.08	1018.01	1017.93	1017.86	1017.81	1018.07
	10	1017.78	1017.75	1017.72	1017.69	1017.65	1017.62	1017.57	1017.52	1017.50	1017.46	1017.44	1017.42	1017.59
	11	1017.41	1017.42	1017.40	1017.33	1017.26	1017.21	1017.18	1017.12	1017.07	1017.05	1017.07	1017.04	1017.21
	12	1016.98	1016.96	1016.90	1016.87	1016.89	1016.85	1016.80	1016.79	1016.77	1016.71	1016.65	1016.59	1016.81
	13	1016.59	1016.61	1016.58	1016.55	1016.50	1016.46	1016.45	1016.40	1016.35	1016.39	1016.44	1016.38	1016.47
	14	1016.33	1016.28	1016.25	1016.22	1016.17	1016.14	1016.14	1016.11	1016.06	1016.02	1015.94	1015.87	1016.13
	15	1015.82	1015.76	1015.70	1015.67	1015.63	1015.59	1015.55	1015.51	1015.47	1015.42	1015.41	1015.40	1015.58
	16	1015.34	1015.27	1015.26	1015.30	1015.33	1015.31	1015.25	1015.20	1015.16	1015.15	1015.15	1015.12	1015.23
	17	1015.08	1015.05	1015.04	1015.07	1015.09	1015.07	1015.05	1015.03	1014.99	1014.99	1015.04	1015.08	1015.05
	18	1015.09	1015.08	1015.08	1015.07	1015.06	1015.06	1015.07	1015.11	1015.15	1015.16	1015.18	1015.23	1015.11
	19	1015.25	1015.28	1015.33	1015.36	1015.38	1015.43	1015.49	1015.53	1015.57	1015.62	1015.67	1015.71	1015.47
	20	1015.74	1015.79	1015.82	1015.86	1015.93	1015.99	1016.01	1016.01	1016.01	1016.04	1016.06	1016.05	1015.94
	21	1016.07	1016.09	1016.15	1016.21	1016.23	1016.26	1016.28	1016.30	1016.32	1016.33	1016.33	1016.34	1016.24
	22	1016.36	1016.37	1016.41	1016.43	1016.42	1016.43	1016.45	1016.44	1016.47	1016.52	1016.55	1016.54	1016.45
	23	1016.50	1016.49	1016.51	1016.49	1016.45	1016.42	1016.38	1016.37	1016.38	1016.38	1016.39	1016.41	1016.43
18	0	1016.38	1016.35	1016.32	1016.34	1016.35	1016.31	1016.27	1016.26	1016.25	1016.24	1016.20	1016.16	1016.28
	1	1016.12	1016.09	1016.05	1016.01	1015.99	1015.95	1015.90	1015.87	1015.86	1015.84	1015.86	1015.89	1015.95
	2	1015.91	1015.92	1015.94	1015.95	1015.93	1015.94	1015.97	1015.99	1016.00	1015.98	1015.92	1015.87	1015.94
	3	1015.86	1015.86	1015.88	1015.92	1015.98	1016.03	1016.04	1016.10	1016.18	1016.23	1016.26	1016.26	1016.05
	4	1016.25	1016.28	1016.34	1016.37	1016.39	1016.42	1016.46	1016.49	1016.53	1016.56	1016.58	1016.56	1016.43
	5	1016.54	1016.58	1016.64	1016.67	1016.69	1016.73	1016.77	1016.78	1016.79	1016.82	1016.90	1016.96	1016.74
	6	1016.97	1017.00	1017.01	1016.98	1016.96	1016.96	1016.98	1016.99	1017.00	1017.01	1017.01	1017.03	1016.99
	7	1017.05	1017.05	1017.06	1017.12	1017.15	1017.17	1017.21	1017.22	1017.22	1017.23	1017.21	1017.20	1017.16
	8	1017.18	1017.18	1017.18	1017.16	1017.15	1017.14	1017.12	1017.09	1017.06	1017.07	1017.11	1017.13	1017.13
	9	1017.13	1017.12	1017.10	1017.08	1017.07	1017.05	1017.02	1016.98	1016.94	1016.90	1016.88	1016.88	1017.01
	10	1016.87	1016.84	1016.83	1016.83	1016.82	1016.81	1016.76	1016.76	1016.77	1016.73	1016.73	1016.74	1016.79
	11	1016.71	1016.69	1016.66	1016.61	1016.58	1016.54	1016.50	1016.43	1016.38	1016.36	1016.33	1016.28	1016.50
	12	1016.23	1016.19	1016.16	1016.13	1016.11	1016.09	1016.11	1016.10	1016.08	1016.07	1016.03	1015.95	1016.10
	13	1015.87	1015.80	1015.73	1015.67	1015.63	1015.62	1015.60	1015.57	1015.55	1015.51	1015.51	1015.56	1015.63
	14	1015.57	1015.56	1015.55	1015.54	1015.56	1015.56	1015.54	1015.48	1015.43	1015.42	1015.43	1015.44	1015.51
	15	1015.44	1015.42	1015.38	1015.35	1015.31	1015.26	1015.21	1015.18	1015.16	1015.15	1015.15	1015.14	1015.26
	16	1015.12	1015.11	1015.10	1015.08	1015.08	1015.08	1015.07	1015.09	1015.11	1015.12	1015.14	1015.16	1015.10
	17	1015.15	1015.15	1015.16	1015.14	1015.15	1015.19	1015.18	1015.17	1015.18	1015.20	1015.22	1015.24	1015.17
	18	1015.24	1015.24	1015.25	1015.23	1015.24	1015.27	1015.30	1015.32	1015.34	1015.36	1015.40	1015.45	1015.30
	19	1015.46	1015.46	1015.48	1015.51	1015.53	1015.54	1015.56	1015.61	1015.64	1015.67	1015.73	1015.79	1015.58
	20	1015.86	1015.90	1015.93	1015.95	1015.97	1016.01	1016.04	1016.07	1016.09	1016.07	1016.03	1015.98	1015.99
	21	1015.99	1016.05	1016.12	1016.14	1016.09	1016.09	1016.14	1016.18	1016.17	1016.15	1016.17	1016.19	1016.12
	22	1016.21	1016.21	1016.18	1016.15	1016.12	1016.11	1016.10	1016.08	1016.06	1016.04	1016.01	1015.99	1016.10
	23	1015.96	1015.93	1015.90	1015.87	1015.88	1015.87	1015.84	1015.80	1015.75	1015.71	1015.67	1015.62	1015.82

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1015.58	1015.57	1015.55	1015.51	1015.45	1015.41	1015.38	1015.35	1015.33	1015.28	1015.22	1015.17	1015.39
	1	1015.13	1015.08	1015.02	1014.99	1014.96	1014.92	1014.86	1014.82	1014.78	1014.73	1014.69	1014.64	1014.88
	2	1014.62	1014.58	1014.56	1014.57	1014.57	1014.58	1014.61	1014.63	1014.64	1014.65	1014.65	1014.65	1014.61
	3	1014.66	1014.70	1014.73	1014.73	1014.74	1014.74	1014.72	1014.70	1014.69	1014.68	1014.67	1014.68	1014.70
	4	1014.69	1014.68	1014.70	1014.74	1014.75	1014.74	1014.73	1014.72	1014.73	1014.76	1014.77	1014.78	1014.73
	5	1014.78	1014.78	1014.79	1014.79	1014.78	1014.77	1014.79	1014.80	1014.80	1014.81	1014.84	1014.87	1014.80
	6	1014.91	1014.93	1014.94	1014.96	1014.97	1014.99	1015.00	1015.03	1015.06	1015.10	1015.14	1015.17	1015.01
	7	1015.16	1015.16	1015.18	1015.18	1015.14	1015.12	1015.10	1015.09	1015.09	1015.09	1015.06	1015.04	1015.11
	8	1015.04	1015.02	1015.00	1014.99	1014.98	1014.99	1014.99	1014.99	1014.97	1014.93	1014.91	1014.88	1014.97
	9	1014.85	1014.83	1014.81	1014.80	1014.79	1014.77	1014.75	1014.72	1014.69	1014.66	1014.62	1014.58	1014.74
	10	1014.55	1014.52	1014.48	1014.43	1014.37	1014.32	1014.26	1014.20	1014.16	1014.16	1014.14	1014.09	1014.31
	11	1014.07	1014.06	1014.04	1014.01	1013.95	1013.88	1013.87	1013.85	1013.83	1013.80	1013.75	1013.71	1013.90
	12	1013.70	1013.69	1013.65	1013.61	1013.60	1013.61	1013.61	1013.57	1013.52	1013.51	1013.49	1013.48	1013.59
	13	1013.45	1013.42	1013.38	1013.34	1013.30	1013.23	1013.20	1013.21	1013.20	1013.15	1013.09	1013.07	1013.25
	14	1013.05	1013.05	1013.06	1013.02	1012.98	1012.96	1012.94	1012.90	1012.87	1012.85	1012.84	1012.80	1012.94
	15	1012.77	1012.75	1012.71	1012.66	1012.62	1012.59	1012.56	1012.54	1012.50	1012.47	1012.45	1012.42	1012.58
	16	1012.39	1012.34	1012.32	1012.29	1012.27	1012.26	1012.26	1012.26	1012.26	1012.28	1012.30	1012.28	1012.29
	17	1012.27	1012.26	1012.27	1012.29	1012.29	1012.27	1012.28	1012.29	1012.30	1012.31	1012.33	1012.34	1012.29
	18	1012.33	1012.32	1012.34	1012.35	1012.34	1012.34	1012.33	1012.32	1012.33	1012.34	1012.38	1012.44	1012.34
	19	1012.50	1012.55	1012.61	1012.68	1012.77	1012.85	1012.89	1012.93	1012.99	1013.01	1013.03	1013.06	1012.82
	20	1013.10	1013.11	1013.11	1013.10	1013.13	1013.15	1013.16	1013.17	1013.17	1013.18	1013.20	1013.21	1013.15
	21	1013.20	1013.19	1013.21	1013.23	1013.23	1013.24	1013.27	1013.30	1013.29	1013.27	1013.29	1013.32	1013.25
	22	1013.32	1013.31	1013.29	1013.28	1013.27	1013.25	1013.27	1013.27	1013.25	1013.27	1013.27	1013.24	1013.27
	23	1013.23	1013.24	1013.25	1013.24	1013.22	1013.21	1013.20	1013.18	1013.17	1013.16	1013.14	1013.12	1013.19
20	0	1013.07	1013.04	1013.00	1012.97	1012.93	1012.91	1012.91	1012.89	1012.85	1012.81	1012.79	1012.77	1012.90
	1	1012.75	1012.73	1012.72	1012.71	1012.70	1012.68	1012.68	1012.68	1012.69	1012.68	1012.68	1012.71	1012.70
	2	1012.73	1012.73	1012.74	1012.76	1012.78	1012.78	1012.79	1012.80	1012.82	1012.85	1012.88	1012.91	1012.79
	3	1012.92	1012.93	1012.94	1012.95	1012.97	1012.96	1012.94	1012.93	1012.93	1012.93	1012.93	1012.94	1012.94
	4	1012.99	1013.02	1013.03	1013.04	1013.06	1013.08	1013.11	1013.12	1013.12	1013.11	1013.11	1013.13	1013.07
	5	1013.15	1013.17	1013.18	1013.20	1013.23	1013.28	1013.34	1013.38	1013.38	1013.39	1013.41	1013.43	1013.29
	6	1013.44	1013.46	1013.50	1013.55	1013.58	1013.60	1013.61	1013.63	1013.65	1013.67	1013.68	1013.66	1013.58
	7	1013.67	1013.68	1013.66	1013.65	1013.67	1013.69	1013.70	1013.70	1013.70	1013.69	1013.68	1013.67	1013.68
	8	1013.68	1013.67	1013.65	1013.64	1013.64	1013.66	1013.66	1013.63	1013.63	1013.66	1013.67	1013.68	1013.65
	9	1013.69	1013.70	1013.70	1013.65	1013.60	1013.58	1013.58	1013.56	1013.53	1013.51	1013.47	1013.40	1013.58
	10	1013.37	1013.33	1013.29	1013.27	1013.26	1013.29	1013.31	1013.28	1013.26	1013.25	1013.24	1013.21	1013.28
	11	1013.19	1013.19	1013.20	1013.22	1013.21	1013.19	1013.19	1013.18	1013.19	1013.18	1013.17	1013.19	1013.19
	12	1013.22	1013.23	1013.22	1013.21	1013.22	1013.23	1013.23	1013.25	1013.24	1013.23	1013.24	1013.24	1013.23
	13	1013.20	1013.14	1013.10	1013.08	1013.05	1013.05	1013.05	1013.04	1013.06	1013.03	1012.98	1012.95	1013.06
	14	1012.91	1012.87	1012.81	1012.78	1012.75	1012.74	1012.73	1012.72	1012.68	1012.65	1012.65	1012.61	1012.74
	15	1012.55	1012.54	1012.55	1012.52	1012.49	1012.48	1012.44	1012.40	1012.40	1012.38	1012.32	1012.24	1012.44
	16	1012.16	1012.12	1012.11	1012.13	1012.12	1012.07	1012.06	1012.08	1012.09	1012.10	1012.11	1012.12	1012.10
	17	1012.14	1012.14	1012.14	1012.15	1012.17	1012.18	1012.18	1012.16	1012.15	1012.18	1012.20	1012.18	1012.16
	18	1012.19	1012.24	1012.26	1012.28	1012.30	1012.30	1012.29	1012.29	1012.29	1012.30	1012.33	1012.37	1012.28
	19	1012.40	1012.43	1012.45	1012.48	1012.53	1012.59	1012.63	1012.63	1012.65	1012.70	1012.73	1012.76	1012.58
	20	1012.77	1012.76	1012.78	1012.81	1012.81	1012.80	1012.83	1012.85	1012.85	1012.87	1012.89	1012.89	1012.82
	21	1012.90	1012.90	1012.91	1012.93	1012.94	1012.94	1012.93	1012.91	1012.91	1012.94	1012.96	1012.98	1012.93
	22	1012.98	1012.97	1012.96	1012.92	1012.87	1012.85	1012.86	1012.85	1012.83	1012.83	1012.82	1012.81	1012.88
	23	1012.79	1012.74	1012.68	1012.61	1012.56	1012.55	1012.54	1012.48	1012.48	1012.48	1012.46	1012.45	1012.57

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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	1012.36	1012.34	1012.32	1012.28	1012.23	1012.21	1012.18	1012.10	1012.02	1011.95	1011.92	1011.92	1012.14
	1	1011.94	1011.96	1011.96	1011.97	1011.92	1011.85	1011.84	1011.82	1011.74	1011.68	1011.65	1011.63	1011.83
	2	1011.64	1011.64	1011.67	1011.72	1011.75	1011.76	1011.76	1011.76	1011.76	1011.75	1011.73	1011.72	1011.72
	3	1011.68	1011.66	1011.70	1011.73	1011.74	1011.74	1011.73	1011.73	1011.76	1011.77	1011.80	1011.83	1011.74
	4	1011.85	1011.84	1011.82	1011.81	1011.80	1011.83	1011.87	1011.89	1011.95	1011.99	1012.01	1012.06	1011.89
	5	1012.06	1012.06	1012.06	1012.04	1012.05	1012.05	1012.02	1011.99	1011.99	1012.00	1011.97	1011.87	1012.01
	6	1011.83	1011.92	1011.98	1012.03	1012.08	1012.14	1012.18	1012.19	1012.19	1012.13	1011.96	1011.85	1012.04
	7	1011.87	1011.86	1011.76	1011.72	1011.71	1011.68	1011.68	1011.68	1011.67	1011.67	1011.66	1011.62	1011.71
	8	1011.57	1011.54	1011.53	1011.52	1011.50	1011.52	1011.56	1011.53	1011.50	1011.50	1011.48	1011.47	1011.52
	9	1011.45	1011.45	1011.44	1011.37	1011.34	1011.35	1011.35	1011.35	1011.37	1011.36	1011.35	1011.34	1011.38
	10	1011.36	1011.37	1011.37	1011.36	1011.31	1011.32	1011.33	1011.32	1011.29	1011.23	1011.21	1011.18	1011.30
	11	1011.14	1011.15	1011.14	1011.12	1011.17	1011.18	1011.13	1011.13	1011.17	1011.19	1011.20	1011.23	1011.16
	12	1011.20	1011.18	1011.21	1011.16	1011.12	1011.10	1011.13	1011.14	1011.09	1011.06	1011.06	1011.08	1011.12
	13	1011.09	1011.12	1011.15	1011.18	1011.17	1011.17	1011.17	1011.14	1011.10	1011.07	1011.07	1011.06	1011.12
	14	1011.02	1010.95	1010.95	1010.95	1010.89	1010.86	1010.87	1010.89	1010.90	1010.89	1010.87	1010.83	1010.90
	15	1010.77	1010.70	1010.66	1010.64	1010.63	1010.63	1010.60	1010.58	1010.53	1010.52	1010.52	1010.50	1010.60
	16	1010.51	1010.53	1010.54	1010.53	1010.51	1010.48	1010.46	1010.47	1010.49	1010.49	1010.51	1010.52	1010.50
	17	1010.56	1010.60	1010.63	1010.66	1010.66	1010.71	1010.76	1010.78	1010.78	1010.79	1010.84	1010.88	1010.72
	18	1010.91	1010.96	1011.01	1011.06	1011.06	1011.07	1011.10	1011.12	1011.11	1011.09	1011.10	1011.12	1011.06
	19	1011.14	1011.17	1011.20	1011.22	1011.23	1011.24	1011.28	1011.33	1011.36	1011.41	1011.44	1011.46	1011.29
	20	1011.50	1011.52	1011.52	1011.55	1011.60	1011.66	1011.68	1011.68	1011.68	1011.72	1011.74	1011.78	1011.63
	21	1011.84	1011.87	1011.85	1011.84	1011.86	1011.86	1011.87	1011.89	1011.88	1011.91	1011.93	1011.93	1011.88
	22	1011.94	1011.92	1011.92	1011.95	1011.98	1012.00	1012.02	1012.03	1012.04	1012.07	1012.10	1012.10	1012.00
	23	1012.04	1011.96	1011.89	1011.84	1011.82	1011.80	1011.78	1011.76	1011.73	1011.73	1011.70	1011.62	1011.80
22	0	1011.47	1011.41	1011.29	1011.23	1011.20	1011.20	1011.24	1011.25	1011.28	1011.29	1011.28	1011.24	1011.27
	1	1011.17	1011.13	1011.10	1011.00	1010.86	1010.71	1010.63	1010.68	1010.76	1010.75	1010.71	1010.66	1010.84
	2	1010.59	1010.55	1010.54	1010.54	1010.51	1010.45	1010.36	1010.27	1010.22	1010.21	1010.23	1010.23	1010.39
	3	1010.24	1010.27	1010.25	1010.21	1010.22	1010.24	1010.26	1010.25	1010.25	1010.25	1010.21	1010.20	1010.24
	4	1010.17	1010.18	1010.20	1010.18	1010.17	1010.19	1010.26	1010.33	1010.36	1010.35	1010.35	1010.36	1010.26
	5	1010.40	1010.42	1010.41	1010.37	1010.35	1010.32	1010.30	1010.28	1010.25	1010.20	1010.20	1010.20	1010.31
	6	1010.19	1010.17	1010.14	1010.16	1010.17	1010.15	1010.08	1010.05	1010.07	1010.07	1010.06	1010.04	1010.11
	7	1010.02	1010.04	1010.06	1010.09	1010.05	1010.08	1010.14	1010.12	1010.07	1009.98	1009.98	1010.00	1010.05
	8	1010.02	1010.04	1010.04	1010.04	1010.06	1010.05	1010.02	1010.04	1010.04	1010.05	1010.11	1010.12	1010.05
	9	1010.07	1010.05	1010.06	1010.05	1010.01	1009.95	1009.90	1009.89	1009.88	1009.88	1009.89	1009.85	1009.95
	10	1009.83	1009.80	1009.76	1009.76	1009.77	1009.76	1009.67	1009.61	1009.58	1009.55	1009.54	1009.52	1009.68
	11	1009.50	1009.44	1009.38	1009.32	1009.20	1009.08	1009.00	1008.92	1008.88	1008.87	1008.86	1008.87	1009.11
	12	1008.88	1008.89	1008.86	1008.80	1008.73	1008.70	1008.71	1008.69	1008.62	1008.59	1008.58	1008.53	1008.71
	13	1008.46	1008.36	1008.31	1008.31	1008.31	1008.30	1008.23	1008.18	1008.13	1008.02	1007.89	1007.85	1008.19
	14	1007.84	1007.84	1007.88	1007.91	1007.91	1007.91	1007.94	1007.96	1007.91	1007.90	1007.96	1007.99	1007.91
	15	1008.01	1008.07	1008.08	1008.05	1008.00	1007.94	1007.87	1007.84	1007.84	1007.79	1007.74	1007.68	1007.91
	16	1007.63	1007.64	1007.63	1007.59	1007.57	1007.61	1007.66	1007.63	1007.54	1007.49	1007.52	1007.57	1007.59
	17	1007.63	1007.67	1007.72	1007.76	1007.78	1007.81	1007.84	1007.85	1007.88	1007.89	1007.87	1007.87	1007.80
	18	1007.88	1007.90	1007.89	1007.84	1007.82	1007.86	1007.87	1007.89	1007.92	1007.92	1007.88	1007.88	1007.88
	19	1007.96	1008.01	1008.02	1008.03	1008.04	1008.08	1008.10	1008.10	1008.13	1008.17	1008.17	1008.19	1008.08
	20	1008.25	1008.26	1008.26	1008.25	1008.23	1008.22	1008.21	1008.21	1008.20	1008.16	1008.16	1008.21	1008.22
	21	1008.26	1008.27	1008.33	1008.41	1008.48	1008.53	1008.58	1008.61	1008.62	1008.63	1008.65	1008.68	1008.50
	22	1008.68	1008.64	1008.56	1008.50	1008.47	1008.43	1008.36	1008.31	1008.28	1008.27	1008.26	1008.22	1008.41
	23	1008.19	1008.17	1008.14	1008.17	1008.23	1008.18	1008.11	1008.11	1008.19	1008.35	1008.48	1008.50	1008.23

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
23	0	1008.59	1008.68	1008.75	1008.62	1008.50	1008.46	1008.34	1008.21	1008.09	1007.90	1007.71	1007.53	1008.26
	1	1007.47	1007.51	1007.49	1007.50	1007.53	1007.54	1007.48	1007.38	1007.34	1007.35	1007.38	1007.41	1007.45
	2	1007.44	1007.51	1007.58	1007.65	1007.69	1007.68	1007.66	1007.61	1007.55	1007.50	1007.47	1007.46	1007.56
	3	1007.47	1007.46	1007.45	1007.46	1007.52	1007.58	1007.56	1007.54	1007.58	1007.61	1007.61	1007.64	1007.54
	4	1007.66	1007.69	1007.75	1007.81	1007.83	1007.79	1007.81	1007.91	1007.99	1008.02	1008.08	1008.17	1007.87
	5	1008.21	1008.22	1008.26	1008.29	1008.29	1008.34	1008.40	1008.46	1008.48	1008.50	1008.53	1008.49	1008.37
	6	1008.48	1008.55	1008.60	1008.65	1008.69	1008.68	1008.68	1008.58	1008.54	1008.63	1008.68	1008.73	1008.62
	7	1008.79	1008.77	1008.75	1008.72	1008.71	1008.77	1008.87	1009.00	1008.96	1008.84	1008.80	1008.82	1008.81
	8	1008.84	1008.79	1008.79	1008.73	1008.60	1008.59	1008.56	1008.51	1008.43	1008.36	1008.36	1008.46	1008.58
	9	1008.56	1008.63	1008.71	1008.76	1008.82	1008.92	1009.02	1009.02	1008.97	1008.96	1008.98	1009.04	1008.86
	10	1009.12	1009.18	1009.24	1009.22	1009.16	1009.14	1009.13	1009.12	1009.08	1008.99	1008.92	1008.84	1009.09
	11	1008.70	1008.55	1008.40	1008.27	1008.25	1008.27	1008.22	1008.19	1008.22	1008.26	1008.30	1008.28	1008.32
	12	1008.26	1008.33	1008.38	1008.39	1008.41	1008.46	1008.53	1008.57	1008.60	1008.66	1008.72	1008.79	1008.51
	13	1008.79	1008.70	1008.63	1008.58	1008.55	1008.60	1008.62	1008.57	1008.53	1008.47	1008.35	1008.26	1008.55
	14	1008.20	1008.16	1008.20	1008.27	1008.28	1008.29	1008.32	1008.26	1008.19	1008.20	1008.13	1008.03	1008.21
	15	1008.00	1007.99	1007.98	1008.05	1008.14	1008.09	1008.07	1008.15	1008.20	1008.16	1008.16	1008.18	1008.09
	16	1008.15	1008.17	1008.22	1008.21	1008.20	1008.18	1008.15	1008.18	1008.23	1008.28	1008.40	1008.52	1008.24
	17	1008.62	1008.75	1008.99	1009.17	1009.17	1009.18	1009.28	1009.38	1009.42	1009.59	1009.99	1010.28	1009.32
	18	1010.36	1010.34	1010.30	1010.32	1010.34	1010.24	1010.12	1010.16	1010.09	1009.96	1009.96	1010.00	1010.18
	19	1010.08	1010.17	1010.18	1010.19	1010.32	1010.50	1010.67	1010.78	1010.76	1010.76	1010.77	1010.73	1010.49
	20	1010.84	1010.98	1010.99	1010.95	1010.98	1011.04	1011.03	1010.99	1011.00	1011.04	1011.03	1011.05	1010.99
	21	1011.06	1011.01	1010.90	1010.81	1010.83	1010.84	1010.83	1010.87	1010.88	1010.84	1010.78	1010.72	1010.86
	22	1010.69	1010.73	1010.74	1010.66	1010.65	1010.65	1010.52	1010.38	1010.27	1010.20	1010.15	1010.02	1010.47
	23	1009.92	1009.90	1009.90	1009.90	1009.88	1009.87	1009.90	1009.96	1010.00	1009.99	1009.99	1009.96	1009.93
24	0	1009.81	1009.74	1009.73	1009.77	1009.68	1009.57	1009.48	1009.47	1009.57	1009.64	1009.64	1009.69	1009.64
	1	1009.74	1009.71	1009.66	1009.65	1009.69	1009.74	1009.71	1009.61	1009.54	1009.53	1009.49	1009.48	1009.63
	2	1009.56	1009.55	1009.51	1009.50	1009.40	1009.34	1009.25	1009.22	1009.28	1009.31	1009.38	1009.37	1009.39
	3	1009.30	1009.26	1009.25	1009.28	1009.35	1009.35	1009.31	1009.25	1009.20	1009.22	1009.19	1009.10	1009.25
	4	1009.04	1008.96	1008.90	1008.90	1008.94	1009.04	1009.27	1009.56	1009.67	1009.64	1009.65	1009.67	1009.27
	5	1009.68	1009.68	1009.65	1009.62	1009.55	1009.43	1009.42	1009.54	1009.64	1009.69	1009.69	1009.64	1009.60
	6	1009.63	1009.63	1009.64	1009.67	1009.66	1009.61	1009.57	1009.58	1009.61	1009.66	1009.66	1009.64	1009.63
	7	1009.64	1009.66	1009.65	1009.63	1009.63	1009.62	1009.67	1009.71	1009.71	1009.75	1009.75	1009.74	1009.68
	8	1009.73	1009.69	1009.65	1009.65	1009.69	1009.72	1009.68	1009.67	1009.73	1009.79	1009.78	1009.72	1009.71
	9	1009.67	1009.61	1009.64	1009.73	1009.76	1009.70	1009.68	1009.73	1009.71	1009.70	1009.76	1009.77	1009.70
	10	1009.76	1009.81	1009.83	1009.82	1009.82	1009.79	1009.72	1009.66	1009.63	1009.60	1009.61	1009.64	1009.72
	11	1009.61	1009.57	1009.53	1009.47	1009.42	1009.41	1009.38	1009.32	1009.25	1009.21	1009.18	1009.15	1009.37
	12	1009.17	1009.17	1009.15	1009.14	1009.12	1009.10	1009.08	1009.06	1009.05	1009.07	1009.08	1009.08	1009.10
	13	1009.05	1009.03	1009.01	1008.99	1008.98	1008.96	1008.97	1009.03	1009.03	1009.03	1009.03	1009.00	1009.01
	14	1008.94	1008.90	1008.87	1008.86	1008.87	1008.87	1008.85	1008.85	1008.90	1008.94	1008.92	1008.90	1008.89
	15	1008.84	1008.83	1008.85	1008.88	1008.94	1008.99	1009.02	1009.01	1008.99	1008.95	1008.99	1009.19	1008.95
	16	1009.45	1009.50	1009.49	1009.52	1009.51	1009.55	1009.60	1009.68	1009.74	1009.76	1009.80	1009.90	1009.62
	17	1009.99	1010.03	1010.07	1010.09	1010.07	1010.04	1010.03	1010.08	1010.14	1010.13	1010.11	1010.13	1010.07
	18	1010.20	1010.25	1010.30	1010.36	1010.39	1010.46	1010.57	1010.69	1010.74	1010.78	1010.83	1010.88	1010.53
	19	1010.91	1010.92	1010.97	1011.05	1011.09	1011.10	1011.07	1011.05	1011.03	1011.04	1011.09	1011.10	1011.03
	20	1011.11	1011.13	1011.16	1011.15	1011.13	1011.09	1011.05	1011.03	1010.96	1010.88	1010.89	1010.91	1011.04
	21	1010.98	1011.11	1011.22	1011.25	1011.27	1011.36	1011.40	1011.38	1011.41	1011.46	1011.51	1011.55	1011.32
	22	1011.59	1011.58	1011.55	1011.55	1011.58	1011.64	1011.68	1011.68	1011.69	1011.71	1011.71	1011.72	1011.64
	23	1011.71	1011.72	1011.73	1011.74	1011.67	1011.59	1011.56	1011.56	1011.57	1011.55	1011.55	1011.57	1011.62

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
25	0	1011.55	1011.50	1011.39	1011.33	1011.31	1011.31	1011.29	1011.29	1011.33	1011.35	1011.38	1011.37	1011.36
	1	1011.30	1011.26	1011.31	1011.35	1011.31	1011.26	1011.22	1011.21	1011.24	1011.22	1011.21	1011.24	1011.26
	2	1011.28	1011.31	1011.30	1011.32	1011.34	1011.35	1011.39	1011.47	1011.55	1011.57	1011.59	1011.64	1011.42
	3	1011.67	1011.66	1011.64	1011.62	1011.59	1011.58	1011.59	1011.60	1011.59	1011.58	1011.54	1011.51	1011.60
	4	1011.51	1011.52	1011.56	1011.64	1011.71	1011.75	1011.80	1011.87	1011.91	1011.94	1011.99	1012.07	1011.77
	5	1012.12	1012.15	1012.18	1012.21	1012.24	1012.27	1012.26	1012.27	1012.30	1012.30	1012.34	1012.38	1012.25
	6	1012.38	1012.42	1012.49	1012.56	1012.59	1012.58	1012.55	1012.52	1012.52	1012.50	1012.46	1012.45	1012.50
	7	1012.44	1012.45	1012.46	1012.46	1012.46	1012.46	1012.46	1012.47	1012.47	1012.45	1012.45	1012.48	1012.46
	8	1012.54	1012.59	1012.59	1012.56	1012.53	1012.50	1012.49	1012.49	1012.49	1012.51	1012.51	1012.47	1012.52
	9	1012.45	1012.46	1012.45	1012.43	1012.41	1012.38	1012.39	1012.40	1012.44	1012.46	1012.43	1012.40	1012.42
	10	1012.38	1012.36	1012.35	1012.34	1012.32	1012.30	1012.29	1012.29	1012.27	1012.25	1012.25	1012.26	1012.30
	11	1012.24	1012.19	1012.16	1012.11	1012.09	1012.07	1012.02	1012.03	1012.04	1012.04	1012.07	1012.09	1012.09
	12	1012.07	1012.08	1012.11	1012.15	1012.15	1012.11	1012.11	1012.08	1012.06	1012.04	1012.00	1012.00	1012.08
	13	1011.99	1011.97	1012.01	1012.03	1012.00	1012.00	1012.04	1012.07	1012.03	1012.03	1012.06	1012.09	1012.02
	14	1012.10	1012.10	1012.14	1012.15	1012.18	1012.21	1012.17	1012.13	1012.10	1012.06	1012.08	1012.10	1012.12
	15	1012.11	1012.15	1012.21	1012.25	1012.29	1012.32	1012.38	1012.47	1012.51	1012.50	1012.49	1012.57	1012.35
	16	1012.61	1012.63	1012.70	1012.72	1012.74	1012.75	1012.73	1012.72	1012.74	1012.78	1012.84	1012.87	1012.73
	17	1012.87	1012.91	1012.93	1012.95	1013.03	1013.16	1013.31	1013.39	1013.39	1013.39	1013.36	1013.34	1013.17
	18	1013.38	1013.44	1013.50	1013.54	1013.52	1013.55	1013.70	1013.85	1013.92	1014.02	1014.11	1014.14	1013.72
	19	1014.15	1014.16	1014.13	1014.15	1014.23	1014.30	1014.35	1014.40	1014.43	1014.46	1014.46	1014.46	1014.31
	20	1014.47	1014.51	1014.51	1014.49	1014.55	1014.57	1014.54	1014.53	1014.51	1014.49	1014.52	1014.54	1014.52
	21	1014.56	1014.58	1014.57	1014.52	1014.46	1014.42	1014.39	1014.37	1014.37	1014.37	1014.36	1014.39	1014.44
	22	1014.41	1014.41	1014.42	1014.46	1014.50	1014.53	1014.61	1014.66	1014.65	1014.66	1014.67	1014.64	1014.55
	23	1014.60	1014.64	1014.68	1014.65	1014.66	1014.66	1014.61	1014.58	1014.55	1014.55	1014.55	1014.55	1014.60
26	0	1014.55	1014.56	1014.57	1014.56	1014.50	1014.48	1014.49	1014.51	1014.50	1014.47	1014.45	1014.45	1014.50
	1	1014.42	1014.37	1014.37	1014.35	1014.31	1014.33	1014.38	1014.39	1014.38	1014.37	1014.39	1014.38	1014.37
	2	1014.35	1014.34	1014.33	1014.28	1014.26	1014.30	1014.35	1014.37	1014.32	1014.26	1014.25	1014.26	1014.30
	3	1014.25	1014.26	1014.28	1014.28	1014.27	1014.26	1014.26	1014.29	1014.37	1014.44	1014.48	1014.50	1014.33
	4	1014.54	1014.59	1014.66	1014.74	1014.78	1014.80	1014.86	1014.94	1014.96	1014.97	1015.00	1015.02	1014.82
	5	1015.04	1015.06	1015.06	1015.08	1015.11	1015.14	1015.14	1015.14	1015.18	1015.18	1015.17	1015.20	1015.12
	6	1015.21	1015.23	1015.26	1015.26	1015.26	1015.28	1015.29	1015.31	1015.33	1015.35	1015.40	1015.44	1015.30
	7	1015.43	1015.40	1015.40	1015.41	1015.41	1015.42	1015.42	1015.40	1015.40	1015.40	1015.39	1015.40	1015.40
	8	1015.42	1015.44	1015.45	1015.46	1015.46	1015.42	1015.37	1015.34	1015.32	1015.30	1015.29	1015.27	1015.38
	9	1015.24	1015.23	1015.25	1015.29	1015.30	1015.29	1015.29	1015.29	1015.28	1015.25	1015.21	1015.19	1015.26
	10	1015.18	1015.17	1015.16	1015.16	1015.11	1015.05	1015.02	1014.98	1014.92	1014.86	1014.84	1014.88	1015.03
	11	1014.90	1014.91	1014.89	1014.87	1014.86	1014.83	1014.83	1014.77	1014.70	1014.69	1014.70	1014.67	1014.80
	12	1014.58	1014.52	1014.54	1014.54	1014.51	1014.47	1014.47	1014.45	1014.41	1014.41	1014.38	1014.35	1014.47
	13	1014.31	1014.25	1014.18	1014.12	1014.07	1014.04	1014.00	1013.94	1013.92	1013.93	1013.90	1013.88	1014.04
	14	1013.84	1013.76	1013.73	1013.75	1013.75	1013.74	1013.71	1013.69	1013.68	1013.61	1013.54	1013.52	1013.69
	15	1013.51	1013.49	1013.44	1013.40	1013.37	1013.37	1013.38	1013.38	1013.40	1013.37	1013.33	1013.29	1013.39
	16	1013.25	1013.24	1013.23	1013.20	1013.15	1013.17	1013.19	1013.17	1013.15	1013.14	1013.12	1013.13	1013.18
	17	1013.16	1013.17	1013.17	1013.15	1013.14	1013.17	1013.20	1013.21	1013.19	1013.20	1013.23	1013.22	1013.18
	18	1013.26	1013.30	1013.31	1013.38	1013.44	1013.48	1013.55	1013.61	1013.66	1013.74	1013.79	1013.82	1013.53
	19	1013.82	1013.81	1013.81	1013.83	1013.88	1013.96	1014.05	1014.09	1014.04	1013.95	1013.97	1013.99	1013.93
	20	1013.97	1013.99	1013.98	1013.96	1013.94	1013.95	1013.99	1014.00	1014.01	1014.04	1014.06	1014.05	1013.99
	21	1014.06	1014.08	1014.11	1014.17	1014.24	1014.24	1014.23	1014.25	1014.26	1014.22	1014.23	1014.28	1014.19
	22	1014.30	1014.30	1014.30	1014.30	1014.32	1014.33	1014.32	1014.28	1014.22	1014.18	1014.15	1014.12	1014.26
	23	1014.08	1014.07	1014.10	1014.14	1014.14	1014.13	1014.14	1014.15	1014.14	1014.13	1014.12	1014.09	1014.12

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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	1014.07	1014.07	1014.05	1014.05	1014.02	1013.97	1013.91	1013.87	1013.84	1013.78	1013.70	1013.65	1013.91
	1	1013.64	1013.64	1013.63	1013.64	1013.66	1013.65	1013.61	1013.56	1013.56	1013.61	1013.68	1013.72	1013.63
	2	1013.72	1013.68	1013.67	1013.67	1013.65	1013.63	1013.58	1013.50	1013.47	1013.47	1013.47	1013.48	1013.58
	3	1013.47	1013.46	1013.49	1013.52	1013.54	1013.53	1013.50	1013.51	1013.51	1013.51	1013.53	1013.53	1013.51
	4	1013.52	1013.51	1013.54	1013.62	1013.73	1013.83	1013.89	1013.92	1013.94	1013.98	1014.09	1014.20	1013.81
	5	1014.23	1014.25	1014.31	1014.35	1014.25	1014.13	1014.07	1014.07	1014.11	1014.13	1014.16	1014.24	1014.19
	6	1014.31	1014.36	1014.39	1014.40	1014.45	1014.50	1014.54	1014.61	1014.66	1014.65	1014.62	1014.63	1014.51
	7	1014.64	1014.58	1014.56	1014.58	1014.54	1014.48	1014.41	1014.35	1014.31	1014.25	1014.19	1014.17	1014.42
	8	1014.17	1014.17	1014.14	1014.10	1014.07	1014.05	1014.01	1013.93	1013.88	1013.86	1013.86	1013.87	1014.01
	9	1013.85	1013.80	1013.75	1013.73	1013.69	1013.64	1013.59	1013.52	1013.46	1013.41	1013.36	1013.28	1013.59
	10	1013.19	1013.11	1013.04	1013.02	1013.01	1012.96	1012.91	1012.87	1012.83	1012.83	1012.84	1012.79	1012.95
	11	1012.73	1012.65	1012.57	1012.49	1012.45	1012.46	1012.45	1012.42	1012.36	1012.34	1012.30	1012.18	1012.45
	12	1012.11	1012.07	1012.02	1012.01	1012.04	1012.07	1012.06	1011.98	1011.89	1011.92	1011.96	1011.97	1012.01
	13	1011.96	1011.92	1011.95	1012.00	1012.02	1012.00	1011.95	1011.95	1011.93	1011.88	1011.88	1011.88	1011.94
	14	1011.83	1011.83	1011.81	1011.76	1011.73	1011.63	1011.55	1011.51	1011.48	1011.45	1011.44	1011.41	1011.62
	15	1011.38	1011.39	1011.39	1011.37	1011.33	1011.31	1011.29	1011.22	1011.17	1011.14	1011.08	1011.03	1011.26
	16	1010.99	1010.97	1010.96	1010.93	1010.90	1010.89	1010.90	1010.91	1010.89	1010.89	1010.89	1010.88	1010.91
	17	1010.87	1010.84	1010.84	1010.85	1010.91	1011.00	1011.03	1011.05	1011.06	1011.08	1011.14	1011.21	1010.99
	18	1011.30	1011.41	1011.50	1011.54	1011.57	1011.58	1011.56	1011.55	1011.59	1011.64	1011.68	1011.75	1011.55
	19	1011.81	1011.88	1011.95	1012.00	1012.03	1012.08	1012.16	1012.22	1012.24	1012.28	1012.37	1012.43	1012.12
	20	1012.43	1012.37	1012.29	1012.23	1012.21	1012.19	1012.16	1012.14	1012.10	1012.08	1012.06	1012.04	1012.19
	21	1012.04	1012.02	1012.01	1012.05	1012.07	1012.03	1012.03	1012.05	1012.03	1011.99	1011.96	1011.92	1012.02
	22	1011.87	1011.88	1011.91	1011.90	1011.88	1011.90	1011.93	1012.00	1012.03	1012.00	1011.97	1011.94	1011.93
	23	1011.91	1011.84	1011.76	1011.72	1011.68	1011.62	1011.57	1011.53	1011.51	1011.51	1011.47	1011.40	1011.62
28	0	1011.34	1011.33	1011.31	1011.30	1011.27	1011.23	1011.20	1011.16	1011.13	1011.12	1011.09	1011.08	1011.21
	1	1011.13	1011.16	1011.17	1011.16	1011.14	1011.14	1011.11	1011.05	1011.05	1011.10	1011.17	1011.19	1011.13
	2	1011.19	1011.19	1011.21	1011.23	1011.24	1011.24	1011.23	1011.20	1011.23	1011.27	1011.30	1011.30	1011.23
	3	1011.29	1011.33	1011.37	1011.45	1011.53	1011.52	1011.51	1011.59	1011.73	1011.91	1012.05	1012.04	1011.61
	4	1011.98	1011.93	1011.91	1011.93	1011.98	1011.99	1012.00	1012.03	1012.08	1012.10	1012.10	1012.07	1012.00
	5	1012.00	1011.99	1012.03	1012.04	1012.02	1012.02	1012.03	1012.03	1012.03	1012.03	1012.04	1012.04	1012.02
	6	1012.06	1012.06	1012.10	1012.15	1012.16	1012.14	1012.08	1012.02	1012.01	1012.01	1012.01	1012.06	1012.07
	7	1012.17	1012.22	1012.22	1012.21	1012.14	1012.06	1012.00	1011.97	1011.97	1012.00	1012.09	1012.22	1012.10
	8	1012.29	1012.24	1012.24	1012.32	1012.37	1012.41	1012.28	1011.99	1011.78	1011.66	1011.57	1011.55	1012.06
	9	1011.51	1011.46	1011.46	1011.34	1011.25	1011.27	1011.31	1011.35	1011.24	1011.05	1010.95	1010.86	1011.25
	10	1010.73	1010.62	1010.57	1010.58	1010.57	1010.57	1010.58	1010.56	1010.54	1010.57	1010.60	1010.61	1010.59
	11	1010.59	1010.57	1010.56	1010.50	1010.38	1010.46	1010.60	1010.53	1010.54	1010.64	1010.70	1010.70	1010.56
	12	1010.67	1010.65	1010.74	1011.04	1011.31	1011.41	1011.39	1011.36	1011.32	1011.16	1011.04	1010.99	1011.09
	13	1010.99	1011.02	1011.04	1011.04	1010.98	1010.96	1010.98	1010.93	1010.85	1010.80	1010.79	1010.85	1010.93
	14	1010.92	1010.94	1010.96	1010.92	1010.92	1010.94	1010.90	1010.90	1010.96	1011.04	1011.06	1011.05	1010.96
	15	1011.05	1011.04	1010.98	1010.96	1010.98	1010.96	1010.92	1010.87	1010.81	1010.76	1010.72	1010.74	1010.90
	16	1010.75	1010.74	1010.75	1010.76	1010.77	1010.78	1010.81	1010.83	1010.84	1010.88	1010.88	1010.88	1010.80
	17	1010.91	1010.92	1010.91	1010.91	1010.93	1010.98	1011.04	1011.08	1011.09	1011.09	1011.11	1011.12	1011.01
	18	1011.08	1011.01	1010.98	1010.94	1010.93	1010.96	1010.99	1010.99	1010.97	1010.95	1010.96	1010.99	1010.98
	19	1010.99	1010.96	1010.98	1010.98	1010.97	1011.01	1011.03	1011.05	1011.07	1011.09	1011.09	1011.08	1011.02
	20	1011.07	1011.05	1011.01	1010.99	1010.99	1011.02	1011.05	1011.05	1011.03	1011.02	1011.05	1011.04	1011.03
	21	1011.04	1011.12	1011.12	1011.06	1011.03	1011.06	1011.09	1011.08	1011.05	1010.97	1010.92	1010.92	1011.04
	22	1010.94	1010.94	1010.89	1010.76	1010.70	1010.73	1010.73	1010.68	1010.64	1010.67	1010.65	1010.55	1010.74
	23	1010.47	1010.48	1010.49	1010.52	1010.59	1010.58	1010.49	1010.42	1010.41	1010.39	1010.36	1010.44	1010.47

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1010.37	1010.32	1010.27	1010.31	1010.34	1010.37	1010.38	1010.38	1010.43	1010.48	1010.50	1010.56	1010.39
	1	1010.65	1010.78	1010.86	1010.89	1010.92	1010.86	1010.63	1010.56	1010.63	1010.46	1010.33	1010.40	1010.66
	2	1010.48	1010.62	1010.73	1010.62	1010.50	1010.52	1010.46	1010.41	1010.39	1010.28	1010.16	1010.10	1010.44
	3	1010.27	1010.44	1010.31	1010.13	1010.06	1010.09	1010.25	1010.35	1010.38	1010.43	1010.54	1010.72	1010.33
	4	1010.79	1010.73	1010.72	1010.74	1010.74	1010.73	1010.69	1010.61	1010.57	1010.67	1010.70	1010.60	1010.69
	5	1010.51	1010.50	1010.50	1010.50	1010.48	1010.41	1010.39	1010.36	1010.33	1010.29	1010.26	1010.26	1010.40
	6	1010.28	1010.31	1010.30	1010.29	1010.28	1010.26	1010.27	1010.36	1010.44	1010.48	1010.48	1010.46	1010.35
	7	1010.41	1010.37	1010.36	1010.31	1010.32	1010.36	1010.38	1010.40	1010.33	1010.27	1010.24	1010.17	1010.32
	8	1010.12	1010.11	1010.10	1010.09	1010.08	1010.10	1010.18	1010.23	1010.24	1010.28	1010.33	1010.37	1010.18
	9	1010.37	1010.38	1010.43	1010.45	1010.46	1010.52	1010.57	1010.61	1010.63	1010.58	1010.55	1010.61	1010.51
	10	1010.59	1010.47	1010.41	1010.42	1010.39	1010.40	1010.40	1010.39	1010.42	1010.45	1010.46	1010.44	1010.44
	11	1010.47	1010.51	1010.55	1010.60	1010.68	1010.75	1010.81	1010.84	1010.84	1010.86	1010.87	1010.88	1010.72
	12	1010.88	1010.89	1010.89	1010.86	1010.80	1010.79	1010.78	1010.74	1010.70	1010.69	1010.72	1010.72	1010.79
	13	1010.70	1010.69	1010.69	1010.61	1010.52	1010.46	1010.42	1010.41	1010.35	1010.29	1010.26	1010.26	1010.47
	14	1010.26	1010.23	1010.27	1010.29	1010.28	1010.28	1010.28	1010.31	1010.34	1010.38	1010.41	1010.42	1010.31
	15	1010.44	1010.45	1010.48	1010.48	1010.48	1010.50	1010.51	1010.50	1010.48	1010.50	1010.53	1010.55	1010.49
	16	1010.56	1010.56	1010.55	1010.54	1010.58	1010.63	1010.67	1010.68	1010.70	1010.74	1010.78	1010.81	1010.65
	17	1010.83	1010.85	1010.90	1010.96	1011.00	1011.04	1011.06	1011.08	1011.12	1011.17	1011.22	1011.25	1011.04
	18	1011.27	1011.29	1011.33	1011.36	1011.42	1011.50	1011.58	1011.62	1011.63	1011.65	1011.70	1011.79	1011.51
	19	1011.84	1011.84	1011.86	1011.87	1011.93	1012.03	1012.11	1012.18	1012.24	1012.30	1012.32	1012.37	1012.07
	20	1012.47	1012.52	1012.53	1012.52	1012.51	1012.52	1012.56	1012.62	1012.62	1012.60	1012.61	1012.63	1012.56
	21	1012.66	1012.67	1012.65	1012.68	1012.76	1012.84	1012.86	1012.83	1012.83	1012.87	1012.90	1012.91	1012.79
	22	1012.91	1012.95	1012.99	1013.02	1013.02	1013.01	1012.99	1012.96	1012.94	1012.93	1012.94	1012.98	1012.97
	23	1013.02	1013.04	1013.04	1013.01	1012.98	1012.98	1012.99	1013.00	1012.99	1012.95	1012.90	1012.90	1012.98
30	0	1012.91	1012.90	1012.85	1012.82	1012.83	1012.83	1012.81	1012.81	1012.81	1012.78	1012.76	1012.77	1012.82
	1	1012.81	1012.83	1012.84	1012.84	1012.84	1012.85	1012.85	1012.87	1012.88	1012.86	1012.83	1012.82	1012.84
	2	1012.82	1012.82	1012.83	1012.84	1012.82	1012.80	1012.80	1012.80	1012.81	1012.84	1012.91	1012.97	1012.84
	3	1012.97	1012.99	1013.00	1012.99	1013.00	1013.04	1013.07	1013.09	1013.08	1013.06	1013.09	1013.15	1013.04
	4	1013.18	1013.17	1013.18	1013.21	1013.21	1013.16	1013.15	1013.16	1013.15	1013.16	1013.20	1013.23	1013.18
	5	1013.25	1013.23	1013.21	1013.25	1013.29	1013.27	1013.25	1013.26	1013.25	1013.26	1013.30	1013.35	1013.26
	6	1013.38	1013.40	1013.43	1013.42	1013.43	1013.52	1013.56	1013.55	1013.55	1013.55	1013.58	1013.61	1013.50
	7	1013.63	1013.65	1013.65	1013.66	1013.70	1013.74	1013.74	1013.72	1013.70	1013.71	1013.70	1013.70	1013.69
	8	1013.69	1013.67	1013.63	1013.60	1013.60	1013.58	1013.55	1013.53	1013.51	1013.48	1013.45	1013.42	1013.56
	9	1013.40	1013.38	1013.35	1013.30	1013.25	1013.21	1013.19	1013.16	1013.13	1013.12	1013.09	1013.01	1013.21
	10	1012.94	1012.88	1012.83	1012.76	1012.71	1012.70	1012.70	1012.67	1012.67	1012.67	1012.63	1012.63	1012.73
	11	1012.62	1012.60	1012.55	1012.54	1012.54	1012.49	1012.48	1012.46	1012.40	1012.37	1012.41	1012.42	1012.49
	12	1012.41	1012.41	1012.39	1012.39	1012.35	1012.32	1012.35	1012.33	1012.31	1012.31	1012.29	1012.24	1012.34
	13	1012.18	1012.09	1012.02	1011.95	1011.86	1011.82	1011.78	1011.72	1011.70	1011.68	1011.63	1011.57	1011.83
	14	1011.52	1011.51	1011.53	1011.52	1011.49	1011.45	1011.41	1011.39	1011.40	1011.40	1011.36	1011.35	1011.44
	15	1011.35	1011.35	1011.40	1011.45	1011.46	1011.48	1011.49	1011.45	1011.50	1011.54	1011.56	1011.58	1011.47
	16	1011.55	1011.48	1011.49	1011.52	1011.51	1011.55	1011.61	1011.62	1011.63	1011.68	1011.72	1011.71	1011.59
	17	1011.74	1011.79	1011.84	1011.88	1011.89	1011.92	1011.95	1011.98	1011.99	1012.01	1012.05	1012.08	1011.93
	18	1012.12	1012.15	1012.18	1012.21	1012.23	1012.26	1012.31	1012.35	1012.40	1012.46	1012.52	1012.59	1012.31
	19	1012.66	1012.71	1012.74	1012.82	1012.92	1012.98	1013.03	1013.09	1013.16	1013.22	1013.24	1013.25	1012.98
	20	1013.25	1013.24	1013.24	1013.24	1013.25	1013.26	1013.23	1013.19	1013.21	1013.28	1013.37	1013.42	1013.26
	21	1013.45	1013.46	1013.45	1013.46	1013.46	1013.45	1013.44	1013.44	1013.45	1013.45	1013.45	1013.44	1013.45
	22	1013.41	1013.41	1013.41	1013.40	1013.37	1013.35	1013.34	1013.33	1013.37	1013.40	1013.37	1013.35	1013.37
	23	1013.32	1013.30	1013.30	1013.32	1013.31	1013.27	1013.23	1013.23	1013.20	1013.15	1013.14	1013.11	1013.24

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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	1013.04	1013.06	1013.09	1013.08	1013.05	1013.03	1013.00	1012.98	1012.99	1013.00	1013.02	1013.04	1013.03
	1	1013.05	1013.05	1013.07	1013.10	1013.12	1013.13	1013.12	1013.13	1013.12	1013.09	1013.07	1013.09	1013.09
	2	1013.11	1013.11	1013.09	1013.05	1013.05	1013.04	1013.01	1012.99	1012.99	1012.98	1012.94	1012.93	1013.02
	3	1012.94	1012.92	1012.92	1012.91	1012.91	1012.93	1012.97	1013.02	1013.04	1013.03	1013.03	1013.07	1012.97
	4	1013.10	1013.12	1013.13	1013.14	1013.15	1013.14	1013.13	1013.13	1013.15	1013.17	1013.17	1013.14	1013.14
	5	1013.09	1013.07	1013.13	1013.20	1013.24	1013.28	1013.30	1013.34	1013.33	1013.33	1013.40	1013.45	1013.26
	6	1013.47	1013.47	1013.48	1013.49	1013.45	1013.43	1013.44	1013.42	1013.39	1013.37	1013.36	1013.35	1013.42
	7	1013.35	1013.35	1013.36	1013.36	1013.36	1013.37	1013.33	1013.28	1013.27	1013.27	1013.28	1013.28	1013.32
	8	1013.26	1013.26	1013.28	1013.31	1013.31	1013.30	1013.28	1013.26	1013.26	1013.20	1013.14	1013.11	1013.25
	9	1013.09	1013.08	1013.05	1012.98	1012.95	1012.94	1012.87	1012.81	1012.77	1012.73	1012.71	1012.66	1012.88
	10	1012.57	1012.52	1012.51	1012.50	1012.44	1012.39	1012.37	1012.36	1012.35	1012.36	1012.41	1012.38	1012.43
	11	1012.32	1012.31	1012.26	1012.19	1012.14	1012.10	1012.10	1012.12	1012.08	1012.05	1012.05	1012.02	1012.14
	12	1012.00	1011.97	1011.92	1011.92	1011.91	1011.83	1011.79	1011.83	1011.84	1011.82	1011.81	1011.80	1011.87
	13	1011.79	1011.76	1011.71	1011.65	1011.57	1011.52	1011.47	1011.44	1011.43	1011.40	1011.35	1011.33	1011.53
	14	1011.33	1011.28	1011.21	1011.18	1011.15	1011.10	1011.08	1011.04	1010.98	1010.94	1010.93	1010.91	1011.09
	15	1010.87	1010.81	1010.81	1010.83	1010.80	1010.78	1010.77	1010.75	1010.74	1010.73	1010.74	1010.77	1010.78
	16	1010.79	1010.80	1010.80	1010.79	1010.75	1010.71	1010.69	1010.66	1010.65	1010.65	1010.64	1010.63	1010.71
	17	1010.60	1010.56	1010.56	1010.60	1010.66	1010.70	1010.71	1010.72	1010.75	1010.78	1010.79	1010.78	1010.68
	18	1010.80	1010.81	1010.80	1010.77	1010.74	1010.77	1010.82	1010.91	1010.98	1011.03	1011.09	1011.15	1010.89
	19	1011.19	1011.21	1011.24	1011.27	1011.30	1011.37	1011.45	1011.48	1011.50	1011.54	1011.56	1011.57	1011.39
	20	1011.58	1011.54	1011.49	1011.48	1011.52	1011.59	1011.64	1011.62	1011.61	1011.65	1011.68	1011.76	1011.59
	21	1011.86	1011.89	1011.87	1011.81	1011.77	1011.78	1011.76	1011.72	1011.72	1011.73	1011.72	1011.72	1011.78
	22	1011.68	1011.64	1011.59	1011.55	1011.52	1011.46	1011.45	1011.46	1011.44	1011.41	1011.37	1011.35	1011.49
	23	1011.33	1011.32	1011.32	1011.35	1011.38	1011.40	1011.41	1011.42	1011.45	1011.48	1011.46	1011.42	1011.39



