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**SVIRCO Prompt Report: July 2011**

Fabrizio Signoretti and Francesco Re

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**ISTITUTO DI FISICA DELLO SPAZIO INTERPLANETARIO**

**AREA DI RICERCA ROMA - TOR VERGATA**

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



## **SVIRCO Prompt Report: July 2011**

**Fabrizio Signoretti and Francesco Re**

*IFSI - 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 2011 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 s.l.).

The SVIRCO Observatory (INAF/IFSI-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, IFSI/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 Fisica dello Spazio Interplanetario - 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)

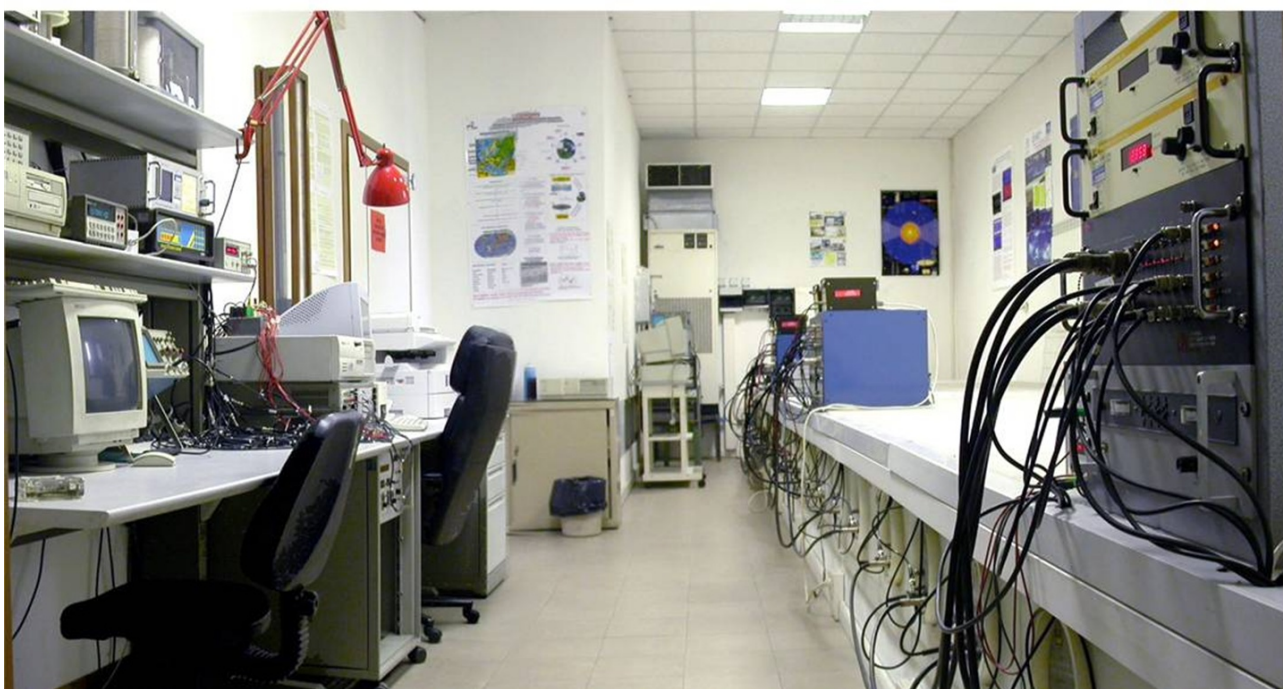




# S.V.I.R.CO. Observatory

Rome

Italy







		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	45519	46192	45045	45567	46086	45054	46528	45722	45442	45683	45289	46216	99.364	
	1	45493	45689	45631	45443	45468	45535	45814	45601	45936	45233	45436	46085	99.190	
	2	45090	45800	46078	45143	45846	45276	45553	45732	45169	45125	45823	45609	98.987	
	3	45897	45710	45631	45482	45202	46047	45289	45467	45967	45507	45997	45699	99.287	
	4	45772	45235	45462	45433	45983	45859	45588	45069	45801	45805	45444	45930	99.193	
	5	45418	45513	45649	45592	45378	45574	45985	45847	45160	45570	45451	45723	99.099	
	6	45800	46102	45802	45497	45762	45923	45620	45621	45524	44733	45794	45654	99.275	
	7	45865	45666	45487	45166	45685	45799	45630	45880	45353	45804	45357	45361	99.134	
	8	45138	46220	44812	45723	45228	45671	45151	45117	45232	45142	45765	45744	98.751	
	9	45518	45148	45886	45473	46125	45686	45478	45778	45795	45710	45863	45758	99.345	
	10	45553	45968	46040	45223	45989	45500	45643	45460	45711	45027	45383	45320	99.091	
	11	46001	45600	45684	45898	45519	45587	45533	45618	45429	45848	45736	45621	99.319	
	12	45441	45690	46000	45962	45520	45997	45986	45451	45960	46317	45600	45910	99.638	
	13	45338	45029	45695	46063	46140	46322	45402	44920	45938	45489	45039	45218	99.050	
	14	45477	46084	45370	45656	45916	45802	46176	45960	45633	45465	45405	45787	99.438	
	15	45873	45717	45281	45190	45354	45693	46055	45740	45647	46021	45738	45953	99.353	
	16	45753	45873	45367	45572	45288	45420	45797	45092	46184	46237	45973	45391	99.296	
	17	45738	45094	45615	45806	45649	46163	45580	45393	45805	45672	44987	45057	99.044	
	18	46372	44671	45850	45171	45690	45273	45305	45490	45530	45553	45280	45328	98.854	
	19	45681	45751	45194	45623	44995	45529	45558	45337	45613	45935	45709	45668	99.050	
	20	45131	45090	45670	45505	45419	45373	45635	45871	46058	45160	45465	45087	98.846	
	21	45518	45612	45525	46067	45645	45851	45632	45704	45781	46364	45606	46319	99.600	
	22	45800	45573	45841	46233	45863	45568	46122	45152	45395	45385	45774	45089	99.268	
	23	45839	45385	46029	45948	45447	45956	45999	45902	45556	45767	45823	45703	99.551	
2	0	45246	45734	45758	45671	46176	45555	45573	45186	46096	45971	45146	45862	99.297	
	1	45574	45624	46238	45816	46017	45537	45672	46221	45921	45496	46185	45540	99.639	
	2	45866	45733	45795	45500	45416	45929	44951	45614	45800	45859	45806	45145	99.199	
	3	45769	45346	45244	45634	45944	45162	45637	45786	46376	45731	45428	45977	99.312	
	4	45906	45010	45636	45713	45414	45286	45743	45816	45734	45579	45887	45458	99.158	
	5	45558	45119	45213	45243	45540	45447	45473	45427	45180	45875	45637	45647	98.826	
	6	45320	45284	45439	45330	45676	45670	45419	45394	45430	45715	45743	44837	98.808	
	7	45728	45338	45633	45815	45381	45140	45977	44778	45621	46074	45398	45764	99.060	
	8	46207	45413	45923	44785	45500	45359	45384	45759	45253	45357	45997	45723	99.062	
	9	45975	45189	45810	45374	44988	45676	45693	44954	45755	46046	45541	45379	99.012	
	10	45431	45523	45443	45583	45841	45638	45873	45857	45688	46095	46317	45625	99.471	
	11	45780	45943	45638	45230	45490	45517	45808	45481	45349	46322	45827	45099	99.212	
	12	45946	45813	45681	45751	45832	45509	45656	45305	45611	45586	45530	45149	99.191	
	13	46044	45347	45563	45727	45881	45669	45009	46173	45331	45630	45100	46100	99.228	
	14	46258	45863	45719	45246	46029	45892	46224	46097	45809	45881	46327	46186	99.945	
	15	45996	45781	45197	45652	45775	45864	46026	45209	46023	45377	45647	45626	99.336	
	16	45861	45615	45879	45743	45766	46253	45878	46410	45451	45880	45550	46118	99.741	
	17	46007	45613	46002	45671	45275	45924	45762	45545	46163	46588	45700	45763	99.670	
	18	45926	45736	45744	45632	45724	45749	45995	45502	45545	45809	45446	46275	99.502	
	19	45923	45828	45842	46786	46110	45899	45377	45738	46115	45879	45621	45645	99.806	
	20	46109	45877	45631	46222	45332	45833	45703	46475	45853	46290	45565	45638	99.764	
	21	46045	46025	45584	45505	46005	45661	46779	45932	46064	45844	45912	45976	99.909	
	22	45822	45483	45574	45008	45680	45813	45603	46005	45890	45409	45830	46408	99.400	
	23	46002	45740	45675	45544	45550	45502	45698	46345	45309	45492	44697	45904	99.207	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011												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	45293	45509	45546	45927	45485	45395	45755	45096	45600	45647	45559	45079	98.921
	1	45638	46106	45542	45281	45233	45995	45653	45933	46022	45643	45748	45655	99.387
	2	45461	46082	45755	45391	45459	45735	45459	45760	45666	45882	45470	45307	99.202
	3	45612	46064	45490	45758	45625	45448	45540	45478	45362	45473	46371	46212	99.384
	4	46016	46158	46006	45747	45595	46027	46031	44859	45704	45706	46060	45428	99.548
	5	45044	45944	46192	46248	46300	45695	45915	45933	45693	45994	45064	45548	99.590
	6	45787	46062	45985	45309	46245	46165	45545	45529	45467	45593	46018	45210	99.472
	7	45545	45375	45908	45514	45923	45820	45528	45668	45770	44992	45656	45584	99.176
	8	46079	45540	45043	45425	45684	46209	45518	46046	45586	45573	45569	45772	99.313
	9	46182	46311	46079	45438	46040	46276	45571	44994	46117	45954	45271	45497	99.619
	10	45914	45725	45520	45790	45882	45732	46016	45729	45941	45953	45333	45743	99.537
	11	45847	45319	45817	46170	45838	46040	45607	45540	45279	45475	45903	45916	99.442
	12	44984	45695	45899	45708	46376	45930	45707	45478	46010	45925	45244	45268	99.346
	13	46084	45156	45529	45611	45613	45457	45920	45992	45943	45923	45906	45802	99.475
	14	45683	45590	46399	45555	45542	45703	45842	45586	45733	45568	45032	45429	99.244
	15	45528	45491	46210	45466	45993	45971	45147	45712	45430	45638	46022	45667	99.355
	16	45509	45630	45942	46015	45884	45679	46110	46241	46730	45358	46121	45761	99.845
	17	45991	45631	45826	45672	45660	45646	45817	45646	46364	45425	46060	45259	99.486
	18	46448	45555	46321	45330	45569	46109	45813	45878	45919	45692	46038	45680	99.732
	19	46045	45434	45058	45679	45651	45238	45813	45693	45720	45825	46313	46000	99.390
	20	45541	45789	45399	46079	45637	45847	45671	45643	45646	45568	45440	45741	99.306
	21	45615	45469	45313	46107	45956	45385	45997	45589	45588	46019	45749	45287	99.319
	22	45535	44958	45215	45671	45070	45210	44842	45253	45404	45142	44862	45393	98.319
	23	44958	45306	45730	45610	45226	45265	45821	45403	44529	45398	45175	45567	98.578
4	0	45795	45509	45251	45181	45719	45263	44830	44539	45788	45133	45172	45488	98.524
	1	45438	45049	45328	45649	44955	45348	45536	45495	45218	45979	45307	45781	98.777
	2	45457	45448	45551	45519	45372	45668	45332	45383	45814	45004	45770	45555	98.920
	3	45458	44887	45324	45441	45253	45190	45132	45714	44964	45035	44573	45838	98.365
	4	45150	44906	44965	45064	45284	45482	45562	44856	45099	45071	45259	46066	98.356
	5	45353	45423	45300	44994	45627	45917	45958	45143	45313	45028	45306	46271	98.877
	6	45750	45095	46119	45812	45387	45283	45181	45122	45841	45267	45536	45469	98.919
	7	45305	45099	44791	45432	45422	45616	45800	45795	46032	46037	45454	45651	99.021
	8	45475	45774	45493	45177	45728	45452	45665	45276	45763	45530	45227	44989	98.861
	9	45574	46317	45357	45695	46002	45591	46242	45834	45231	45309	45302	45615	99.318
	10	45377	44694	45682	45945	46132	45320	45473	45417	45313	45297	45351	45401	98.835
	11	45836	45544	45827	45835	45768	44848	45398	45821	45394	45336	45806	45677	99.141
	12	45583	45646	45382	45754	45551	46281	46491	45906	46076	46269	45029	45684	99.604
	13	45005	45938	45533	45652	46227	46207	45813	45709	45431	45726	45667	45173	99.320
	14	45786	45717	45983	46196	45619	46079	45400	45521	45645	45340	46118	45818	99.527
	15	45938	45524	45854	45801	45567	45670	45686	46104	45935	46249	46058	45329	99.616
	16	45508	46137	45424	45243	45115	45758	45846	45158	45614	45806	45935	46205	99.260
	17	45531	45445	45180	45846	46220	45668	45594	45797	45904	45552	45541	46067	99.368
	18	45243	45430	46234	45694	46129	45000	45235	45743	45665	46393	45736	45552	99.315
	19	45957	45663	45407	45739	45271	45550	45466	45396	45676	45881	45322	46451	99.265
	20	45386	45341	45983	45561	45602	45546	45582	45444	45790	45844	46128	45299	99.216
	21	45731	45716	46196	45375	46167	46075	45924	45769	46324	45838	46044	45589	99.804
	22	45169	45781	45765	46086	46003	45621	45528	45309	45043	45619	46055	45878	99.279
	23	45775	46236	45374	45589	45689	45772	45685	45664	46074	46372	46075	45898	99.705

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
5	0	45498	45704	45251	45681	46098	45973	45692	45907	46965	45627	45897	45279	99.584
	1	45741	45824	45892	45517	45328	45421	45711	46122	46070	46131	45448	45932	99.511
	2	45498	45558	45712	46004	45879	46309	45787	45661	46097	45905	45967	46260	99.783
	3	46011	45838	45747	45793	45501	45078	45961	45547	45460	46025	45524	45665	99.333
	4	46149	45741	45758	45478	45888	45936	46042	45911	45415	45820	45827	45466	99.565
	5	45645	45783	45636	45729	46046	46217	45909	45819	46180	46067	46353	45992	99.918
	6	44685	45584	46170	45786	45370	46025	45264	45518	45669	45783	45662	46032	99.223
	7	45666	46031	46102	45715	45568	45346	45702	45539	45457	45917	45704	46214	99.480
	8	45780	46122	45886	45659	45345	45149	45823	45466	45889	45703	46317	45205	99.368
	9	45727	45656	45682	45830	46121	46255	45881	45479	46071	45944	45370	45700	99.616
	10	45536	46287	44658	45982	45800	45547	46401	45257	45469	45616	46266	46264	99.502
	11	45550	46188	46196	46081	45352	46214	45626	46078	46013	45847	45735	45676	99.769
	12	45987	45216	45746	45759	45322	45401	45892	45689	45188	45774	46195	46319	99.395
	13	45183	45615	46500	46001	45498	46096	45872	45968	45645	45544	45797	46220	99.657
	14	46156	45646	45890	45073	46076	45476	45816	45733	46157	45570	46209	45817	99.599
	15	45819	45382	45898	45735	45969	45296	45608	45435	45289	45351	45985	45976	99.259
	16	45352	46111	46456	46281	46375	45397	45698	45571	45550	46155	45568	45970	99.756
	17	45606	45558	45513	45976	45323	45204	45882	45619	45528	45626	45693	44914	99.023
	18	45494	45838	45584	45601	45739	46042	46144	45445	46260	45814	45891	45413	99.535
	19	45730	45956	45939	45535	45917	45614	45841	45526	45150	46055	46106	45427	99.450
	20	46018	45898	45628	46113	45397	45234	45477	46229	45523	45789	45882	45704	99.467
	21	45367	45729	45717	45755	45176	45878	46150	45738	46349	45306	45603	45964	99.438
	22	45236	45759	45154	45499	45913	45971	45882	45815	45637	45791	45666	45629	99.297
	23	45698	46333	46164	45741	45700	45922	45481	45781	45088	45901	45963	45190	99.480
6	0	45768	45561	45509	45333	45741	45553	45876	45659	45500	45931	45714	45980	99.327
	1	45556	45559	46052	45717	45846	45412	45510	45545	45338	46069	45833	45917	99.370
	2	45409	45566	45556	45801	45594	45885	46198	45979	46085	45492	45748	45738	99.496
	3	45985	45362	46160	45717	45713	45641	45701	45832	45531	45652	46246	45641	99.519
	4	45532	45457	46520	45812	45815	45848	45684	46490	45402	45678	45987	45615	99.639
	5	45804	45386	46368	45509	46233	45633	45844	45567	45963	46019	45841	45428	99.594
	6	45924	46316	45244	46141	46170	46050	46318	46542	46423	45792	45849	45972	100.165
	7	46205	46059	45680	46487	46101	46044	45359	45998	46343	46225	46023	45805	100.090
	8	45863	46456	46305	46028	46014	45827	45623	46033	46170	46434	46177	45946	100.189
	9	46357	46551	45669	46032	46205	46048	46130	46375	46616	45969	46324	45857	100.417
	10	45596	46139	45818	45934	45859	46103	45749	46647	45602	45446	45950	46284	99.872
	11	45981	45693	45976	45774	45924	46265	46492	45690	45749	45780	46626	45716	99.970
	12	46092	45095	45796	45911	46305	45471	46742	45969	45565	46039	45305	46557	99.821
	13	45774	46090	45993	45929	45707	45182	45941	45731	45788	46209	45508	46370	99.708
	14	45843	46344	45744	45926	45675	45737	45262	45891	45540	45184	45588	44814	99.224
	15	45414	45339	45657	45910	45240	45879	45954	45766	45344	45621	46293	45971	99.376
	16	45177	45799	45398	45098	45542	45314	45464	45798	45402	46413	46032	45180	99.055
	17	46697	44963	45379	45980	45008	45433	45619	46000	45504	45617	45450	45365	99.127
	18	46059	45538	45717	45242	45380	45091	45534	46058	45768	45616	46242	45933	99.337
	19	45912	45493	45576	45173	45647	45110	45814	45578	45386	46191	45067	45484	99.021
	20	45132	45771	45977	45474	45584	45539	45032	45766	45408	45578	46285	46458	99.306
	21	45542	45974	45561	45805	45746	45912	45355	45248	45430	45607	45066	45244	99.032
	22	45611	45895	45545	44926	45300	45599	45667	45221	45813	45708	45352	45478	98.964
	23	45659	45490	45243	46077	45533	45466	45532	45151	46070	45307	45114	45392	98.949

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	46274	45531	45480	45758	46183	45517	45143	45251	45615	45625	45772	45570	99.252
	1	45209	46011	45945	46098	45726	45366	45918	45203	45894	46163	45713	45426	99.427
	2	45110	45296	45668	45437	46020	45871	45407	45387	45817	45124	45469	44819	98.839
	3	45611	45604	45252	45216	46293	45486	46190	45475	45551	45221	45558	45358	99.091
	4	46693	45941	44802	45689	45299	45811	45458	45674	45370	45364	45067	45457	99.056
	5	45215	45547	45110	45171	45061	45080	45275	45469	45446	45404	45357	46180	98.638
	6	45491	45629	45616	45429	45427	45978	46040	45236	45392	45231	46397	45698	99.226
	7	44736	45666	45095	45410	45635	45952	45213	45776	46250	45943	45463	45160	98.997
	8	44910	45403	45929	45232	45053	45253	45714	45452	45734	45307	45801	46070	98.917
	9	45693	45779	44972	45860	44962	45302	45576	45826	45098	45190	45735	45825	98.910
	10	45475	45343	45750	45566	45644	45570	45719	45011	45172	45090	45176	45647	98.791
	11	45759	45645	45994	46207	46064	45522	44789	44959	45678	45764	45505	45447	99.184
	12	45168	45929	45211	45655	45458	45521	45592	45569	45847	45557	45892	46098	99.214
	13	45668	45028	45389	45724	45779	45245	45924	45405	45885	45981	45671	45720	99.200
	14	45690	45982	45474	45124	45045	45857	45798	45820	45778	45951	44897	45751	99.154
	15	45867	45756	45493	46231	45926	45431	45838	45794	45469	45237	45266	45432	99.258
	16	45698	45693	45811	45523	45977	45276	45658	45335	46119	45414	45045	46150	99.251
	17	45774	46261	45481	45628	45786	45751	45943	45399	44924	45765	46222	46144	99.501
	18	45609	45958	45251	45428	45668	45321	45981	46013	45525	45239	46407	45835	99.348
	19	45572	45512	46511	45859	45677	45893	44893	45729	45534	45572	45952	45401	99.325
	20	45760	45528	45500	46459	45848	45810	45714	45868	45302	45840	45449	45731	99.452
	21	45892	45184	46009	46033	45575	45854	45307	45274	45452	46145	45749	46074	99.405
	22	45786	45872	45074	45997	45869	45970	46108	45375	45602	45627	45409	45308	99.305
	23	45642	45801	45403	45596	45183	45808	46091	46161	45783	45529	45138	45692	99.274
8	0	46822	46122	45893	46016	45606	45752	45544	45780	45273	46265	46136	44872	99.684
	1	45683	45564	45416	45704	45301	45514	45753	45643	46073	46198	46010	45798	99.424
	2	46029	45566	45911	45677	45871	45925	45126	45901	45781	46454	45129	44867	99.349
	3	45950	45596	45693	45876	45174	45828	45752	46052	45760	46121	45998	46128	99.655
	4	46344	45042	45349	45175	45483	45863	46507	45540	45159	46211	45618	45389	99.247
	5	45637	45438	46229	46020	45562	46073	45347	46167	46586	45843	46379	45285	99.770
	6	45807	46397	45876	45478	45988	46265	45682	45960	45830	46239	46009	46365	100.011
	7	45894	45758	47117	46137	45504	46128	46163	45951	46197	46199	45753	46021	100.179
	8	45763	46513	45661	46450	45372	45793	46261	46126	45869	45573	45826	46034	99.893
	9	45705	46278	45242	45731	45765	45811	46042	45927	46269	45938	46312	46446	99.933
	10	46193	46086	45682	46231	45907	45999	45401	45537	46346	45389	45937	46304	99.851
	11	46108	45800	45708	45774	46651	46348	45617	45947	45944	45949	46069	46165	100.045
	12	45723	45564	45555	46232	45964	45539	45796	46287	45562	46080	46394	46287	99.846
	13	46649	46238	46096	46206	45505	45766	46238	45341	46134	45562	46015	46374	100.053
	14	45549	46197	46449	46160	46492	45758	46453	45880	45779	46070	46146	45930	100.186
	15	46209	46243	46583	46371	46223	46330	46209	46162	45892	45847	46077	45864	100.394
	16	46466	46151	45602	46058	46392	45914	46474	45872	45614	45892	45504	46296	100.073
	17	45782	46348	45933	46733	45916	46131	46129	46033	46115	46497	46778	45711	100.412
	18	46206	45996	46225	46189	45540	46533	46146	46036	45772	45691	46032	45376	99.984
	19	45673	45608	45654	46339	46005	46198	45938	45452	45544	45875	45794	45572	99.605
	20	45558	45608	46514	46036	45406	46372	46052	45363	45598	45352	45548	45791	99.523
	21	45846	45922	45867	45751	45692	45607	45585	45930	46004	45501	46134	45761	99.596
	22	45843	45974	46338	45993	45791	46030	46067	46534	46622	45968	46435	46307	100.375
	23	45943	46185	45698	46512	46248	45647	46404	45891	46118	46204	45807	46085	100.165

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	46111	45740	45615	46135	45099	45637	46200	45105	46231	45661	46291	46237	99.681			
	1	45269	46025	45661	46095	45220	45615	45623	45729	46129	45602	46513	45802	99.538			
	2	46148	46045	46296	46382	45709	45597	46119	46447	45943	46248	46682	45461	100.225			
	3	45519	46364	45958	45273	45411	46431	45779	46150	46016	46241	45606	45756	99.759			
	4	46763	46111	45892	46047	46011	46271	45956	46190	45355	45773	45794	45689	100.003			
	5	45822	46044	45622	45961	45827	45997	46691	45835	46042	46438	46316	46490	100.227			
	6	46801	46478	45618	46367	46477	46265	46282	46168	45990	46775	46819	45920	100.748			
	7	46440	46625	46713	46235	46036	45973	45737	45172	46191	45932	45763	46591	100.286			
	8	46261	46401	46475	45712	46398	46781	46305	46831	45623	47112	46525	46629	100.946			
	9	46319	47056	46103	46106	45888	46246	46280	46463	46236	45776	46200	46300	100.569			
	10	46429	46405	45620	45991	46047	45653	46055	46488	46012	46592	46238	46294	100.361			
	11	46649	46948	46464	46013	45908	46096	46036	46494	46548	45481	46335	46010	100.570			
	12	46423	46155	46252	46103	46072	46905	46317	45820	46006	45777	45572	46113	100.305			
	13	46001	46307	45729	46023	46726	46425	46566	46436	45960	45501	46516	45848	100.399			
	14	45967	46158	46312	46028	45924	46327	46096	46371	46354	45236	46514	45746	100.218			
	15	46109	45963	45569	46278	45046	46216	44996	46790	45359	45994	45512	45443	99.537			
	16	46054	45299	45946	46311	45748	46472	46496	45711	46560	46416	45099	45094	99.886			
	17	46031	45693	45697	45411	45253	46001	45920	46031	46471	45704	45783	45722	99.616			
	18	46030	45603	45629	45799	45784	45422	45731	45800	46453	45630	45639	45733	99.532			
	19	45822	46196	46188	45790	45550	45636	46022	45272	45558	45857	45117	46024	99.493			
	20	46128	45762	45466	44806	45979	45751	44952	45611	45627	45569	45661	45526	99.095			
	21	46331	46101	45887	45912	45396	45558	46205	45931	46158	46023	46168	45631	99.904			
	22	45800	45662	45477	45816	45324	45945	45294	46387	45560	45570	45365	45931	99.329			
	23	45495	45811	45921	46011	45841	45469	46306	46019	46154	45965	45796	45446	99.710			
10	0	45677	45564	46078	45110	45643	45309	45500	45533	45986	45809	45930	46075	99.340			
	1	45865	45558	45519	45959	45618	45917	45539	46029	46304	45541	45720	45361	99.474			
	2	45640	45362	45512	45740	45956	45949	45837	45390	45845	45696	46203	45838	99.481			
	3	45799	46104	46255	46009	46322	45364	46081	45908	46359	45994	45485	46162	100.001			
	4	46354	45283	45821	45341	46019	45455	45849	45927	46035	46099	45994	45806	99.665			
	5	45235	46198	46336	45702	45869	46553	45621	45434	46008	45694	45944	46415	99.851			
	6	45543	45697	46277	45707	46051	45782	45964	46738	45857	45612	45373	45316	99.653			
	7	45904	46355	45945	46342	45992	46616	46072	46599	46331	46062	45415	45887	100.306			
	8	46009	45809	46241	45812	45650	45720	46084	45419	46250	46154	46366	45916	99.927			
	9	46132	46496	46424	45993	45991	46495	46030	46109	45938	46382	46235	45893	100.414			
	10	46311	45848	46674	45535	45817	46317	46273	46176	46092	46294	46427	46821	100.499			
	11	46613	45589	46131	46488	45905	45756	46021	45925	46491	46542	46148	46005	100.323			
	12	45794	46140	45657	45925	45763	45340	46337	45848	45717	45522	45573	46188	99.632			
	13	46515	45950	45869	46262	46082	45977	45861	46512	45821	45640	45641	46729	100.186			
	14	45653	45861	45196	45565	46484	45552	46072	45706	45975	45886	45939	46041	99.655			
	15	45302	45878	45325	45387	46071	45879	45793	45989	45532	45870	46163	45802	99.485			
	16	45338	46067	46113	46428	45439	46224	46038	45915	46660	45967	46322	45734	100.074			
	17	46020	45292	46195	46367	45806	46142	45953	45265	46059	45322	45785	45766	99.663			
	18	46018	46278	45392	45577	45578	46343	45638	46054	45780	45570	46048	45721	99.667			
	19	45548	46035	45622	45652	45916	45778	46337	45645	46169	45851	45379	45059	99.485			
	20	45386	45874	45959	45383	45471	44753	45471	46393	45962	45887	45719	45586	99.277			
	21	45799	45321	45795	45756	45889	45723	46007	45548	44863	45325	45616	45596	99.167			
	22	45601	45861	45366	45402	45539	45809	45962	45493	45782	45161	45954	45926	99.279			
	23	45806	45757	45862	46265	45562	45884	46040	45285	45293	45472	45706	45639	99.409			

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011												
		INAF/UNIromaTre			20 NM-64									
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
11	0	46498	45131	45972	45302	45919	45793	45179	44928	45606	45343	45258	45309	98.980
	1	45112	45555	45605	45146	45821	45568	45730	45577	44859	45678	45163	45480	98.815
	2	45939	46219	45502	45253	45795	45466	44953	45160	45632	45908	45504	45991	99.183
	3	45660	45315	45573	45441	45538	45574	45970	45093	45206	45469	45770	45197	98.908
	4	45878	46218	45831	45520	45458	45898	45607	45124	45918	45291	46106	45517	99.372
	5	45748	45030	45167	46326	45941	45865	45824	45794	45439	46231	46285	45297	99.477
	6	45541	45772	45611	45962	45797	45868	46562	46066	45856	45582	45916	45825	99.733
	7	45490	45981	45834	45196	45539	45251	44747	46764	45876	45779	46673	45643	99.446
	8	45664	46053	45278	45623	46326	45283	45852	45615	45674	46122	45654	45541	99.430
	9	45462	46003	45521	45352	45565	45402	45924	45624	45097	45694	45085	45627	99.008
	10	45259	46033	45232	45680	45398	45776	45106	44780	45334	45516	44757	45559	98.659
	11	45900	45963	45570	44937	45684	44883	44866	45562	45924	45235	45103	45345	98.756
	12	45374	44921	44904	45226	45524	44959	45471	45192	45295	46063	45492	45698	98.602
	13	46008	45449	45494	45687	45891	45469	45759	45823	46071	45487	45707	45404	99.350
	14	45406	45370	45320	45558	45981	45254	45137	44916	45281	45258	45791	45150	98.657
	15	45523	45349	45424	45140	45091	45160	44902	45010	45558	45024	45308	45599	98.415
	16	45055	45166	45389	45314	45774	44390	45219	45341	44611	45012	45357	45603	98.260
	17	45296	44920	45585	45372	45160	45181	44710	45467	45104	44842	44493	45112	98.081
	18	45321	45060	44354	44634	44379	44598	44715	45029	45100	44254	44462	45229	97.337
	19	45114	45007	44089	45077	44608	44970	44428	44570	44800	44780	44961	44871	97.362
	20	44892	44885	45547	45075	45776	45347	44850	44579	45420	44983	44950	44639	98.026
	21	44546	45406	45147	44919	45222	45296	44902	44687	44852	45018	44739	44395	97.698
	22	44516	45422	45131	44239	44994	44810	45150	45059	45110	45607	44599	45243	97.834
	23	44540	44807	45950	45108	44995	44579	44728	45015	44872	45407	44778	44789	97.777
12	0	44798	45314	44916	44880	45298	44793	45196	45186	44918	44826	44955	44901	97.848
	1	45469	45019	44738	44661	45047	45334	44749	45123	44041	44763	45204	44853	97.674
	2	44624	44864	45221	45180	44577	45815	45193	45790	44992	45070	45546	44859	98.169
	3	44475	44434	45395	45235	45031	45452	44925	44847	45309	45204	45153	45526	98.035
	4	45300	44971	44643	44862	44534	44908	44784	45124	45100	45286	44538	44805	97.649
	5	44287	45153	45080	44926	44754	45255	44741	45022	45676	45168	44936	44866	97.831
	6	45179	44882	44087	45074	44404	44602	44925	45159	44523	44431	45639	45347	97.539
	7	44963	45273	44941	44562	44751	44962	45720	44748	44550	45208	44423	44817	97.660
	8	44701	44660	44758	45513	44634	44395	44598	45266	45438	45301	44972	44606	97.646
	9	44882	44926	44758	45253	44857	45281	44645	44945	44955	45180	44717	45228	97.788
	10	44491	44980	45240	44758	44473	44996	45306	45131	44902	45202	44552	44877	97.658
	11	44571	45542	45091	45201	45082	44377	44952	44736	44837	45493	45900	44797	97.961
	12	45053	45133	44738	44921	44787	44805	44991	45110	45112	45298	44884	44855	97.799
	13	44413	45653	45811	45082	45388	44847	44434	45373	45473	44649	45425	44975	98.131
	14	45425	45293	44979	44975	44713	45164	44769	45517	45476	45114	45177	45697	98.272
	15	44586	44970	45670	45061	45383	44686	44972	45191	45346	45372	44809	45375	98.114
	16	45573	45684	45687	45707	45697	45470	45259	45166	44608	44876	44969	45029	98.531
	17	45796	45410	44915	45605	44969	45760	45432	45543	45071	45578	45327	45503	98.745
	18	45497	45453	45635	44952	45875	44839	45180	45440	45299	45302	44736	45360	98.503
	19	45054	45686	45522	45510	45804	45233	45133	45877	45197	45629	45505	45284	98.840
	20	45248	45422	45568	45236	45397	45570	46007	45473	45711	44928	46004	45080	98.878
	21	45220	45514	46086	45731	45353	45804	45804	45421	45432	45062	45314	45548	98.995
	22	45566	45024	45213	45395	45339	44953	44694	44795	45258	45111	45016	44928	98.090
	23	45055	45336	45148	45236	45186	45890	45432	44711	45590	45683	45719	44655	98.516

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	44537	44997	45279	45186	45101	45240	45639	45108	45329	45481	45299	45425	98.330	
	1	45297	44629	45280	45561	45162	44503	45389	45266	45128	44752	44708	45611	98.089	
	2	45107	44767	44618	45395	45231	45124	45298	45310	44817	45223	44981	44443	97.913	
	3	45330	44712	45291	45352	45123	45021	45184	44985	44841	45554	44580	44754	97.988	
	4	44991	44656	44757	45340	45120	44930	44636	44801	45067	45036	44812	44902	97.683	
	5	45303	45345	45210	45512	44935	45352	45698	44960	45029	45362	45677	44963	98.462	
	6	44869	45251	45771	45335	45357	44578	44851	44816	45529	44922	45680	44779	98.171	
	7	45540	45246	45170	45513	45393	45292	45065	45591	45549	45141	45465	44914	98.558	
	8	45513	44717	45703	44656	44842	45562	45319	45345	45497	45299	45577	44679	98.346	
	9	45683	45538	45145	44679	45791	44818	44642	44821	44961	44952	45954	45615	98.327	
	10	45122	45139	45124	44907	45104	45137	44521	45019	45423	44837	45489	45033	98.010	
	11	45319	45466	45591	45327	44768	44939	45270	45344	45826	45039	45434	45544	98.557	
	12	45756	45222	44955	44749	45004	44948	45405	44881	45427	45279	45184	45520	98.278	
	13	45159	45402	45366	45532	44827	45732	45366	45627	44933	45673	45214	45829	98.700	
	14	45392	45341	45017	45389	44906	45805	44991	44756	45624	45111	45378	45998	98.527	
	15	45474	45524	45584	45013	45773	45701	45310	45581	45627	45304	44415	45045	98.645	
	16	45682	45506	45233	45063	45061	44933	45905	45084	45508	45323	45273	46106	98.703	
	17	45009	45194	45162	45359	44589	45352	45360	45555	45277	44611	45457	44954	98.196	
	18	45474	45847	44958	44886	45162	45254	45653	44999	45638	44941	45521	44825	98.428	
	19	44704	45018	45327	45071	45338	45380	45664	44993	45012	45247	45399	44739	98.198	
	20	45276	45450	45694	44977	45456	45289	45023	44952	45180	44819	45344	45391	98.372	
	21	45499	45632	44729	44662	45387	45011	45635	45348	45060	45338	44891	45286	98.305	
	22	44863	45089	44696	45388	45260	46026	45353	44750	45102	45327	44963	44917	98.170	
	23	45455	44469	45119	44992	45424	45296	45062	45185	45533	45867	45639	45247	98.452	
14	0	45092	44844	45602	45224	45301	45169	45789	45672	44941	45624	45920	45386	98.684	
	1	45266	44742	44940	45422	45679	45222	45243	44822	45050	45212	45377	45519	98.308	
	2	45697	45012	45595	45223	44953	45265	44687	45274	44687	44999	45054	45273	98.167	
	3	45493	45191	44944	45053	45654	45606	45093	45163	45173	45435	44404	45987	98.435	
	4	45317	45348	45241	45285	45606	46098	44530	45078	44625	45075	45482	45501	98.433	
	5	45063	45522	44918	44717	45358	45255	44907	45010	45150	44506	45518	45032	98.029	
	6	45145	44623	45287	44745	45067	45408	45484	46046	45385	45100	45876	46171	98.642	
	7	45186	45369	45078	45029	45351	45180	45222	45740	46064	44978	45349	45126	98.521	
	8	45047	44980	45078	45527	45246	45641	45288	45447	45734	46103	45077	44837	98.582	
	9	45024	45135	45186	45252	45378	45237	46155	45105	45044	46114	45163	44984	98.540	
	10	46306	44811	45067	45027	45097	44750	45838	45355	45014	45350	45234	45586	98.478	
	11	45213	45298	45408	45746	45634	45371	45460	45356	45319	45237	45637	45486	98.792	
	12	45041	45532	45394	45449	45855	45936	45690	45321	45532	45659	45833	45732	99.120	
	13	45751	45271	45501	45031	45471	45735	45171	45172	45362	44817	45556	45928	98.719	
	14	45477	44966	45037	45620	45364	45038	45657	45219	44963	45752	45216	45456	98.538	
	15	44733	45370	45749	45598	45711	45457	45228	44918	46002	45177	45396	45444	98.723	
	16	45517	45658	45519	45974	46294	45534	45077	45586	45755	45402	45538	45253	99.144	
	17	45737	46016	45463	45354	45774	45748	45573	45309	45531	45721	45349	45571	99.151	
	18	45521	45510	45139	45772	45525	45620	45612	45360	45640	45215	45167	45287	98.828	
	19	45455	45869	45515	46005	45685	45883	45581	45425	45275	45951	45297	45530	99.210	
	20	45285	45377	45431	45463	45906	45377	45545	45289	45570	45732	45473	45439	98.922	
	21	46055	45633	45900	45582	45468	45797	45771	45494	45808	45237	45614	45327	99.249	
	22	45292	45424	45705	45735	45793	45348	45412	45458	45285	45141	45382	45544	98.856	
	23	45897	45251	45710	44679	45777	45608	45017	45121	45551	45482	45356	45574	98.766	



		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	46044	45584	46093	45691	45585	45578	45190	45739	45320	45043	45644	45030	99.040	
	1	45161	44773	45287	45473	45097	45246	45214	45190	45817	45455	44871	45050	98.333	
	2	45356	45291	45248	45558	45614	45490	45082	44961	45348	45563	45068	45646	98.621	
	3	45656	44957	45799	45527	46056	44434	45166	45625	45820	45066	45822	45691	98.874	
	4	45911	45142	46057	45179	44560	45369	45980	45628	45664	45080	45142	44934	98.698	
	5	45826	45347	44547	45253	44872	45469	44911	45204	45330	45065	45444	45047	98.275	
	6	45301	44930	46087	44997	44994	46031	44799	44875	44890	45228	44919	45128	98.251	
	7	45122	45323	44998	45630	45113	45312	45135	45271	44989	45752	45324	45059	98.404	
	8	44918	45880	44920	45361	45452	45456	45993	45039	44819	45788	45603	45152	98.650	
	9	45508	44967	45765	44760	45237	45655	44769	45139	45278	45210	45329	44752	98.285	
	10	45419	46057	45411	45792	45272	45122	45066	45291	45235	45413	45451	45170	98.708	
	11	45071	45060	45207	45205	45680	45452	45592	44878	45023	45381	45915	45657	98.603	
	12	45024	45430	45281	45733	45986	45348	45932	45702	45314	45498	46106	45331	99.067	
	13	45106	45575	45656	45156	44734	46419	45665	45799	44977	45211	45320	45326	98.751	
	14	45489	45692	45451	45456	45668	44968	45818	45981	45198	45277	44954	45180	98.785	
	15	45331	45754	45165	45193	45586	45037	45178	44917	45501	45291	44767	45425	98.425	
	16	45219	45478	45668	45243	45132	44940	45621	45515	45029	45497	45223	44906	98.485	
	17	45812	45934	45468	44887	45593	45073	45376	45210	45437	45391	45867	45003	98.771	
	18	45502	45211	45214	45133	45719	45271	45546	45400	45497	45503	44786	45133	98.565	
	19	44687	45738	45248	45074	44587	45331	45669	45627	44829	45599	45740	45798	98.567	
	20	45309	45124	44676	45226	44750	45834	45477	45354	45296	45810	45564	45596	98.583	
	21	45423	45529	44895	45866	45381	44569	45128	44799	45224	45893	45172	45198	98.413	
	22	45405	45867	45435	44892	45296	45521	45160	45664	45369	45397	45506	45772	98.813	
	23	45424	44992	44783	45160	45029	45008	45475	45804	45281	45183	44735	45145	98.222	
16	0	44607	45095	44952	45386	45333	45610	45137	45048	46329	45692	45997	45017	98.615	
	1	45540	45556	45672	45203	45229	45045	46706	45299	45089	44915	45021	44933	98.618	
	2	45440	45505	45079	45465	45263	45640	45399	45018	45393	45625	45286	45925	98.769	
	3	45735	45726	45183	45238	45013	45957	45086	45434	45620	45593	45570	45518	98.884	
	4	45776	45790	45074	45506	45240	44997	45969	45692	45806	45684	45627	45328	99.032	
	5	45874	45450	45730	44813	45365	45562	46034	45423	45219	44873	45236	45815	98.833	
	6	45473	46002	45712	45534	45672	45421	45334	45079	45849	45570	45601	45120	99.009	
	7	44743	46113	45978	45485	45357	46049	45438	46032	45243	45163	45741	45628	99.119	
	8	45448	46213	45968	45510	45761	45274	45773	44951	44998	45086	45793	45684	99.026	
	9	45384	46203	46101	45361	45499	45592	45636	45964	46155	45442	45740	44909	99.303	
	10	45478	45457	45907	44698	46039	45870	45788	45698	45718	45749	45660	45347	99.198	
	11	46391	45743	45550	45582	46328	45867	45198	45337	45217	45413	45430	45272	99.183	
	12	45443	45577	45200	45019	45486	45356	45273	45635	45139	46057	45732	45896	98.909	
	13	45899	45863	44729	45439	45698	44669	46103	45124	45202	45434	46224	45858	98.987	
	14	45221	45197	45602	45049	45472	45788	45840	45787	44973	45394	45787	45890	98.943	
	15	45395	45424	45832	45544	45147	45084	45284	45721	45288	45434	45113	45993	98.809	
	16	46084	45346	45426	45351	45135	45480	45525	45370	45097	45380	45500	45946	98.878	
	17	44996	45330	46451	45220	45612	45082	45480	46598	46371	46119	45742	46018	99.490	
	18	45766	44891	45770	45613	45695	45536	46030	45246	45811	45873	45493	45243	99.119	
	19	45681	45425	45566	45482	45518	45251	45034	45996	45609	45594	45214	45488	98.917	
	20	45283	44870	45351	45507	45327	46115	45796	46057	44778	45214	44938	45856	98.779	
	21	44709	45274	45958	45873	45603	46292	45667	45114	44866	45526	46037	45925	99.096	
	22	44972	45901	46042	45341	45792	45229	46104	45710	45574	45694	45872	45787	99.309	
	23	44726	45208	45521	45423	45463	45339	45004	45957	45514	45762	46170	45243	98.822	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	45734	45613	45598	45677	46032	45513	45159	45331	45194	45694	45626	46022	99.157	
	1	44903	45905	45475	45099	45719	44993	45299	45212	45243	45788	46190	45446	98.811	
	2	45493	46077	45561	45854	45775	45501	45734	45386	45775	45684	45202	45800	99.277	
	3	45407	45560	46034	44949	44948	45615	45653	45652	45625	45435	45115	45429	98.838	
	4	45126	45041	45532	44971	45729	45099	45501	45397	45370	46307	45164	44750	98.578	
	5	45127	45383	45793	45913	45172	45618	45314	45430	45192	44748	46167	45204	98.773	
	6	45701	45291	45764	45688	45939	45968	46001	45753	45998	45611	45482	45434	99.420	
	7	44969	45718	45198	45119	45651	45783	45283	44897	45477	45688	45276	46051	98.782	
	8	45685	45557	46312	45557	46032	45548	45627	46137	46080	45383	45550	45986	99.569	
	9	45659	46022	45477	45488	45638	45572	45564	45904	45220	45848	46078	45485	99.297	
	10	45746	45574	46325	45782	45371	46104	45493	45620	45558	45012	45375	45397	99.188	
	11	45446	45509	46052	45812	45939	45916	45231	46065	45889	45563	46139	45495	99.497	
	12	46343	45832	45680	45582	45534	45879	46268	45857	45772	45959	46191	45348	99.712	
	13	45725	46254	45424	46093	45529	45345	45259	45927	45794	45909	45370	46070	99.432	
	14	45265	46357	45868	45521	45373	45824	45691	45401	45604	45975	45132	45634	99.241	
	15	45767	46207	45749	45988	45546	45632	45755	46088	44897	45485	45520	45930	99.407	
	16	45480	45843	45436	45744	45536	45864	46100	45663	45289	45345	45668	45469	99.204	
	17	45328	45845	45245	45514	45988	45573	45163	45966	46198	45383	45168	45755	99.147	
	18	45517	46080	45718	45932	45526	45375	45873	45527	45498	45878	45977	45541	99.385	
	19	45368	45953	45400	45338	45652	45519	45442	45716	45615	45343	46437	45488	99.173	
	20	45432	46030	45737	45644	45385	45632	46061	45812	45678	45511	45851	46195	99.481	
	21	44972	45935	45420	45481	46067	45646	45354	45764	45733	45526	45390	45866	99.152	
	22	45632	46074	45731	45865	46010	44465	46001	45961	46066	45960	46120	45372	99.533	
	23	45573	45951	46195	45493	45933	45813	45625	45608	45759	45533	44574	45404	99.208	
18	0	46162	45555	45766	45345	45749	45731	45021	45493	45908	45918	45614	45680	99.288	
	1	45647	45298	46014	45756	45470	45307	45504	45458	45350	45413	46464	45915	99.232	
	2	45882	45303	45798	46083	45462	45392	45652	45141	45834	45954	45443	44746	99.068	
	3	45406	45493	46052	45526	45191	46116	45219	46060	45768	45337	45925	45545	99.240	
	4	45585	45488	46037	45430	45333	45335	45883	45747	45452	46252	45349	45971	99.280	
	5	45785	45859	45795	45268	45707	45644	45400	45179	46234	45569	45514	46645	99.414	
	6	46002	45985	45900	45918	45950	45428	45813	45680	45684	45690	46204	45111	99.553	
	7	45630	45990	45974	45251	46066	46268	45778	45414	45789	45717	45362	45605	99.458	
	8	46178	45959	45762	45643	45988	45529	45874	46142	45055	45023	45486	45190	99.275	
	9	45960	45660	45395	45254	45415	45617	45430	46176	45972	45928	46174	46059	99.494	
	10	45304	45825	46215	46496	45684	45175	45526	45855	45718	45640	45512	45383	99.366	
	11	46147	45420	46277	45688	46499	45471	46075	45551	45860	45989	45772	45474	99.708	
	12	46369	46184	45516	45702	45629	46280	45349	46246	45771	45857	46016	45955	99.826	
	13	46428	45929	45311	45971	45321	45902	45501	45989	45997	45946	45961	45716	99.663	
	14	45775	46077	45461	45828	46329	45360	46548	46215	45863	45484	45819	45661	99.744	
	15	45737	45857	45640	45788	45615	45651	45651	45389	45835	46050	45724	46123	99.498	
	16	44828	45316	45175	45755	45965	45630	45970	46067	46323	45621	45825	45287	99.262	
	17	46273	46571	45658	45276	45748	46404	45703	45721	45974	46312	46224	45656	99.943	
	18	45901	45791	46230	46463	45864	46166	46068	45705	46322	45483	45673	46137	99.994	
	19	45862	45066	46007	46317	45279	45962	45804	45638	45715	45471	45653	45301	99.319	
	20	46185	45880	45706	45977	45346	45721	45266	45770	46389	45951	46022	45965	99.700	
	21	45907	45292	46032	45728	45619	45833	45295	45653	46316	45397	45532	45892	99.395	
	22	45593	45244	45663	45382	45380	45769	45256	45145	45431	45955	45638	45195	98.880	
	23	45586	45602	45503	45638	44823	45323	45892	45884	46100	45321	45684	45433	99.086	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	44971	45073	45648	45694	45416	45937	46007	45712	45902	45674	45938	45444	99.198
	1	46060	45419	46423	45262	45460	45354	45432	45288	46473	45125	45619	44843	99.080
	2	45967	45834	44587	45319	45754	45691	45082	45840	45406	45794	45428	45424	98.966
	3	46210	45666	46330	45790	45135	45948	45180	45687	45388	45755	45783	45597	99.390
	4	45335	44912	45358	45359	45318	45119	45456	46636	45054	45003	45292	46181	98.766
	5	45091	45466	44819	45902	45065	45626	46145	45820	45271	45517	45179	45248	98.789
	6	45441	45518	45664	45063	45460	45611	45480	45912	45706	45000	45243	45978	98.957
	7	45374	45510	45990	45795	45429	45097	45972	45821	45806	45451	46199	45681	99.328
	8	45799	45814	45920	46092	45322	46033	46025	45763	45390	45623	45394	46227	99.559
	9	45161	45899	45969	45727	44892	44875	45254	45681	45745	45817	45757	46013	99.086
	10	45537	45587	46139	46343	45926	45689	45545	45692	45295	45333	45400	46368	99.460
	11	45878	45414	45662	46214	45799	45721	46018	45587	45642	46260	45815	45566	99.591
	12	45643	45590	45535	45433	45416	46323	45244	45380	45899	45887	45909	45457	99.254
	13	45148	46109	45266	45819	45832	45207	46255	45586	45920	45351	45755	45508	99.261
	14	46349	45670	45979	45125	45420	45405	45768	45854	45670	45027	45620	45165	99.133
	15	45786	45999	45648	45344	45990	46219	46343	45878	45273	45974	45719	45549	99.617
	16	45684	45938	45849	45668	45322	46298	45466	45539	45760	45756	45394	45898	99.409
	17	45563	45806	46028	45829	46385	45171	45975	45679	45226	45791	45955	45573	99.484
	18	45590	45139	46268	45769	45805	45604	45444	45478	45112	45147	45494	45598	99.023
	19	45640	45517	45815	46080	45521	45845	45426	45653	45616	45582	45745	46059	99.396
	20	44871	45319	45504	45481	44478	45538	45192	45604	46040	45300	45655	45219	98.617
	21	45613	45638	45831	45802	45896	45176	45622	45883	45742	45180	45971	44979	99.185
	22	45509	45998	46101	45766	45288	45790	45231	45873	45161	45403	45529	45033	99.067
	23	45505	45756	45833	45257	45669	45126	45517	45228	45238	45734	45264	45599	98.893
20	0	45164	45414	46144	44856	45636	45324	45658	45505	45231	45601	45206	46247	98.941
	1	45818	45183	45572	45432	45075	46034	46171	45395	45633	46002	45855	45295	99.209
	2	45662	45838	45929	45166	45792	45341	44947	45585	45712	45658	45732	45756	99.146
	3	46622	45652	45467	45489	46237	45390	44914	45444	44563	45319	45168	45481	98.897
	4	44900	45740	45240	45451	45290	45554	45869	45700	45975	45908	45164	45462	98.989
	5	46384	45606	45619	45851	45468	45685	45300	45846	46525	45515	46304	45539	99.603
	6	46088	46469	45078	46022	45312	46314	45750	44609	45940	45348	44887	46108	99.292
	7	45387	46013	44997	45427	44967	45187	45760	45203	45577	45092	45094	45243	98.571
	8	45379	45991	45733	46106	45559	46089	45404	45831	45016	45556	45934	45295	99.286
	9	46021	45570	46026	46779	45316	46314	45210	45687	45596	46025	45964	45241	99.623
	10	46397	45395	45343	45462	45410	45351	45219	45656	45548	44918	44445	46044	98.796
	11	45793	45946	45763	45263	45242	46757	45552	44820	45551	46089	45760	45235	99.264
	12	45862	45959	45457	45215	45799	44896	46315	45570	45823	45537	45542	45508	99.212
	13	45726	45524	45573	46381	45601	45151	45165	46005	46447	45989	45366	45460	99.376
	14	46093	45308	45710	45951	45706	46044	45950	45960	46180	45411	45560	45908	99.628
	15	46096	45377	45784	45518	45963	46103	45323	46036	45914	45604	45262	45685	99.426
	16	45641	45307	45825	45347	46304	45580	45373	45035	46219	46188	45563	45821	99.343
	17	45951	45638	46036	45896	46038	46203	45888	45532	46032	45491	46065	46095	99.824
	18	45721	45572	45879	45565	44913	45586	45774	45262	46312	46037	45591	45178	99.195
	19	45257	46115	45365	45718	46051	45585	45596	45372	44907	45645	45416	45801	99.093
	20	45704	45855	45159	45232	45587	45358	45341	45255	45673	45641	45513	45642	98.936
	21	45669	45141	44704	45334	45394	45576	45958	44542	45286	45747	45399	45794	98.679
	22	45013	45422	45331	45519	45679	45865	44913	45330	45227	45335	45764	45299	98.707
	23	45264	45177	45512	45233	45571	45858	45727	45833	45320	45510	46662	45286	99.116

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	44968	44902	45922	45013	45978	45599	45812	46150	45585	45733	45794	46011	99.204		
	1	44960	45740	45171	45254	45288	45405	45978	45488	45361	45338	45241	45593	98.729		
	2	45621	45632	44504	45075	45899	45260	46236	45258	45556	45462	45171	45362	98.768		
	3	45774	45111	45819	44861	45677	45398	45334	45353	45747	46030	45529	45588	98.983		
	4	44355	45643	44995	44813	45582	45180	44921	45015	45938	45338	45211	46043	98.406		
	5	45672	45330	45390	45636	45659	45377	44969	45499	45385	45096	45577	45524	98.782		
	6	45605	44766	45615	45514	44881	44427	45844	46202	45835	45590	45314	45715	98.818		
	7	45608	46063	45697	45927	44886	45318	45530	45271	46112	44955	44400	45052	98.729		
	8	44455	45039	46105	45238	45303	43834	45814								
	9	45344	43781	45657	45972	45555	45896	45906	45465	45417	44688	45360	45602	98.697		
	10	45134	45416	45498	45585	45608	45572	45474	45510	44470	45906	45833	45344	98.825		
	11	45732	45251	44519	45246	45162	45510	45576	45532	44941	45676	45215	45569	98.568		
	12	45901	45552	45718	45868	45517	44451	45393	45305	45269	45365	45628	45866	98.913		
	13	45240	45862	45436	45676	46570	45283	45643	46008	45153	45671	45771	45611	99.292		
	14	45503	45484	45651	45319	45740	46367	45336	44725	45532	45426	45140	45237	98.845		
	15	45689	44238	45881	44861	45470	45502	46501	46114	45277	45411	45390	45453	98.904		
	16	46042	45654	45446	45303	45209	45580	45573	45174	45789	45720	45501	46019	99.126		
	17	44769	45420	44598	45195	45464	45933	45736	45411	45612	45651	45432	45493	98.709		
	18	45417	45630	45226	45578	44979	46130	45428	46267	45775	44871	45269	45749	99.001		
	19	46163	45215	46006	45009	45531	45810	45810	45869	45776	46081	45416	45766	99.387		
	20	45057	46140	45605	45089	45549	45333	45960	45917	46207	45796	45112	45888	99.242		
	21	45622	45608	45073	46282	45933	45861	45392	45054	45476	44729	45537	45672	98.986		
	22	44977	45442	45699	45585	45679	45484	45503	44725	45548	45732	45151	45236	98.718		
	23	44927	45447	45210	44773	45163	45691	45376	46501	45608	45154	45211	45358	98.657		
22	0	45180	45351	45553	45501	44981	45637	45073	45684	45399	44807	45852	44877	98.557		
	1	44748	45416	45530	46428	45469	45468	45363	45572	46168	46067	45658	45209	99.142		
	2	45557	45558	45011	46128	44995	44784	45381	45698	44949	46175	45847	45106	98.796		
	3	45961	44804	45055	45302	45398	45972	44694	45147	45289	45688	45969	45628	98.745		
	4	45631	44741	45021	45379	45024	45623	45375	45545	45784	46174	45682	45563	98.860		
	5	45271	45370	45028	45854	45272	45314	45718	45181	45881	45756	45625	46178	99.024		
	6	45975	46030	45509	44444	45721	45488	44927	45628	45783	45027	44856	45503	98.742		
	7	45690	45415	45411	46498	45750	45590	45320	45211	46114	45816	45700	45841	99.370		
	8	44132	44289	45622	46029	45378	45586	45628	45408	45503	45762	46029	45676	98.769		
	9	45714	45768	45936	45875	45495	46283	46530	44818	45448	45461	45476	45068	99.282		
	10	45746	45556	46123	45825	46034	45778	44993	46058	46088	45531	45323	45528	99.411		
	11	45768	45400	45355	45388	45462	45271	45856	45348	45596	45510	45447	45346	98.897		
	12	45487	45520	45532	46139	45277	45329	45531	45064	45904	45595	45303	46002	99.067		
	13	46020	45655	45578	45666	45010	45732	46135	45403	45258	45356	45669	45180	99.063		
	14	45602	45941	45334	45150	45138	45762	45324	45608	45504	46360	45662	45358	99.078		
	15	45633	45798	46170	45964	46448	45897	45460	46200	45822	45820	45317	46339	99.825		
	16	46077	45716	45384	46478	45170	45719	45307	45764	45756	45457	45142	45636	99.234		
	17	45610	44740	44990	44783	45544	46277	44617	45767	45642	45327	46050	44932	98.631		
	18	45497	45014	45237	45018	45979	45496	45164	45511	45364	45287	45419	45863	98.735		
	19	44944	45018	45857	45151	45303	45107	45498	45375	45622	45447	45110	45138	98.503		
	20	45320	45120	45722	45026	45771	45297	45321	45105	45183	45369	45954	45150	98.642		
	21	45804	44885	45972	46023	45341	45453	46062	45485	45315	45555	45578	45861	99.185		
	22	45450	44981	45473	45058	45809	45406	45333	44752	45392	45276	45588	45274	98.543		
	23	44839	44706	45307	45810	45486	46208	45155	45745	45446	46138	45309	45875	98.947		

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	44918	45129	44939	45110	44626	45682	44885	45486	45512	45024	45416	45809	98.318	
	1	45464	45082	45268	45231	45367	46007	46052	45683	45284	45709	45784	45725	99.065	
	2	45568	45487	45686	45666	44888	45316	45169	45554	45629	45327	45547	45710	98.861	
	3	45178	45895	45261	45384	45619	45364	46080	45346	45468	45753	45776	45758	99.102	
	4	45667	45742	44919	45765	45352	45112	45511	46247	45955	45477	45722	45938	99.198	
	5	46634	45901	45705	45583	45863	46159	45610	45629	45458	45411	45499	45149	99.414	
	6	45572	45294	45917	45288	45431	45220	45463	45809	45840	45817	45753	45267	99.065	
	7	45760	45327	46191	45798	45535	45321	45880	45519	45312	45764	45739	45967	99.326	
	8	45749	46071	46124	45732	45786	46095	45810	45489	45706	45380	45819	46083	99.639	
	9	45647	44980	45424	45346	45679	45996	45547	45878	46105	45449	45771	45702	99.219	
	10	45315	45067	45424	45028	45728	45171	45704	45057	45486	46289	45672	45569	98.854	
	11	45596	45940	45478	45962	45916	45456	45806	45286	45567	45665	46472	45127	99.354	
	12	45487	46228	45180	45944	45357	45570	45653	45373	45819	45691	45418	45850	99.227	
	13	45660	45957	45176	45321	45637	45910	45326	45555	46165	45786	45305	45705	99.215	
	14	45848	46086	45754	45511	45765	45643	45868	45746	45729	45855	46165	45633	99.596	
	15	46133	46385	45843	45839	46041	45278	45506	45950	45431	45333	45741	45661	99.512	
	16	45707	46130	45981	45785	45762	45392	45277	46212	45687	45692	45725	45787	99.511	
	17	46356	45615	45716	45972	46161	46334	45301	45031	45432	45610	46107	46496	99.692	
	18	45676	45239	44877	45781	45873	45921	45805	45404	45526	45773	45182	45853	99.108	
	19	45168	45343	45211	45275	45697	45823	45134	45740	45265	45650	45241	45216	98.719	
	20	45418	45004	45832	45475	45395	45907	45203	45350	46122	45592	45687	45527	99.036	
	21	45956	45305	46064	45761	45476	45693	45687	45507	45228	45761	45964	46515	99.472	
	22	44834	45679	45935	45694	45599	45982	45733	45377	45786	45682	45565	45328	99.160	
	23	45620	46048	46576	45946	45802	45233	46195	45731	45691	46120	46127	46062	99.876	
24	0	45258	45366	45893	45555	45656	45817	45911	45463	46027	45893	45294	46094	99.335	
	1	45348	45393	45824	45833	45290	45281	45895	45669	45651	45737	45692	46059	99.247	
	2	45821	46575	45385	45633	45286	45343	45319	45867	45269	45694	45849	46171	99.344	
	3	45729	45355	45515	45178	45912	45589	45457	45726	45890	45655	45651	45538	99.159	
	4	45538	45580	46271	45609	45374	45567	45784	45170	45345	45643	46282	45880	99.313	
	5	45161	45333	45419	45779	45803	45024	45305	45957	46568	45266	45745	46112	99.209	
	6	46208	46108	45724	45502	46018	46131	46136	45928	46097	45951	46038	45695	99.946	
	7	46353	46300	45993	45031	45702	45460	45555	45365	45949	45514	45846	46565	99.602	
	8	45773	45636	45937	46041	45483	45946	45374	45551	46039	46337	45580	45620	99.544	
	9	46036	45731	45577	45941	45647	45583	45747	45844	46208	45390	45983	46107	99.631	
	10	46245	46054	45441	45906	45729	46017	45626	45816	46092	46104	45126	45847	99.668	
	11	46508	46657	45977	46057	46211	45731	45746	45873	45588	45749	46107	46228	100.108	
	12	45099	45602	45906	45239	46554	45663	46190	46169	45820	45782	46482	45895	99.741	
	13	46055	46422	46216	45250	45831	45354	46314	45874	46321	46102	45764	46477	100.026	
	14	45586	46460	46411	46114	46159	46417	45682	45993	46361	46182	46063	45663	100.228	
	15	46148	45027	45524	46233	46020	46323	46848	46156	45650	45957	46071	46212	100.061	
	16	46142	45812	45986	46164	46410	45269	45455	46047	46012	45924	45671	46247	99.874	
	17	45751	46183	45746	45937	46395	45601	45370	46010	45554	45982	45456	45717	99.614	
	18	45874	45555	45709	45961	45927	45624	45847	45661	45844	45581	45600	45511	99.431	
	19	45582	46084	46062	46125	45636	46419	45012	45403	45546	45909	45946	45986	99.615	
	20	45651	46481	46100	45463	46007	45324	45705	46232	45845	45964	45845	45524	99.693	
	21	45924	45499	45798	45477	45838	45761	45558	45793	45488	46139	46024	45677	99.482	
	22	45608	46007	45526	45694	45957	45813	45210	46066	45434	46128	45478	46074	99.486	
	23	46012	45986	46074	46224	45392	45418	45328	45391	45633	46029	46087	45277	99.460	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	45746	46110	45755	45773	45604	45586	45686	45816	45768	45705	46452	45304	99.542	
	1	45648	46237	46017	45831	45914	46234	46199	46393	45656	46277	45865	46334	100.140	
	2	45819	45618	45694	45563	46073	45933	45701	45437	45861	46102	45106	46287	99.522	
	3	46427	46139	45923	45725	46063	45492	46097	45542	46463	45905	46057	45180	99.852	
	4	45557	46315	45192	45727	45874	46252	46504	45414	46077	46066	46156	45342	99.754	
	5	45964	45823	45949	45729	46308	45743	45754	45854	45588	45862	45893	45576	99.676	
	6	46037	46049	45559	46221	46086	45773	45560	46288	46110	45972	45988	46749	100.101	
	7	46407	45588	46081	45813	46128	46155	46280	45897	46136	45811	46220	45517	100.036	
	8	46056	45965	45960	46715	45754	45829	45715	46019	46408	45801	46241	45790	100.076	
	9	46069	45854	45727	46292	46138	45773	45812	46954	46324	45838	45595	45754	100.053	
	10	45905	46368	45971	46203	45722	45221	45876	45931	45350	45965	45894	45619	99.672	
	11	46184	46182	45939	45839	46422	45779	46150	45601	46231	46177	46460	46559	100.306	
	12	46641	45944	45857	46509	46666	46572	45844	46493	46735	45690	45920	46195	100.586	
	13	45933	45868	45726	45952	46061	45970	46167	46266	46221	45892	46117	45786	100.023	
	14	45868	45844	46258	46300	45302	46365	45837	45462	46292	46342	46387	45903	100.059	
	15	46201	45459	45750	45538	46400	45473	45600	46225	45938	45641	46149	46004	99.736	
	16	45995	46242	45693	45791	45727	46151	45888	45751	46486	46379	45987	46496	100.136	
	17	45558	46440	46133	45925	46262	46239	45893	46218	45636	45875	45562	46516	100.077	
	18	45940	46126	46098	46245	45865	46323	46192	45876	45706	46090	46505	45757	100.161	
	19	45943	46221	45829	46485	46315	46147	45970	45969	46230	46024	46166	45736	100.218	
	20	46269	45796	45328	45876	46133	46180	45474	45456	45852	46367	45802	45870	99.741	
	21	45984	46058	45828	45794	46052	45881	46236	46330	46358	46278	45665	45688	100.058	
	22	46167	45585	45751	45988	45865	46556	45282	46070	46355	46042	46100	45803	99.951	
	23	45937	45953	46384	45950	45852	45606	46348	46163	46657	46066	45872	45764	100.130	
26	0	45846	46018	46187	46480	45967	45952	45986	46791	45425	45629	45624	45648	99.950	
	1	45893	45756	46176	46449	45689	46114	45695	45652	46285	46128	45476	45946	99.896	
	2	45554	45715	45575	46584	45340	45764	46091	45445	45907	45570	46354	45792	99.612	
	3	46674	45385	45836	45510	46227	45625	45827	46156	45561	46028	45487	45995	99.724	
	4	45999	46034	46072	46103	45798	46284	45689	46263	46580	45975	46476	44995	100.079	
	5	46199	45359	45941	45726	46056	45734	45299	45874	45894	45681	45725	45826	99.544	
	6	45510	45319	45496	45759	45320	45872	45800	45843	46068	45951	46123	45947	99.488	
	7	45837	46090	46232	46336	45249	46035	46065	45702	46657	46367	46508	45946	100.215	
	8	45482	46366	46754	46390	45879	46102	45388	46042	46015	45991	45732	46292	100.108	
	9	46359	46163	46014	45827	45606	46627	45906	46242	46269	46095	45994	45955	100.222	
	10	46576	46010	46109	46413	45973	45629	45733	45985	46342	46349	46030	45693	100.183	
	11	45992	45952	46454	45662	46200	46081	45721	45622	46190	45653	45573	46511	99.960	
	12	46444	46069	45774	46140	46340	46209	46408	46463	46230	46276	45851	45865	100.406	
	13	45748	45488	45634	46634	45804	45963	46365	46196	46246	46198	46265	46164	100.158	
	14	45543	45938	46797	46118	46449	46481	45815	45528	46235	45972	46270	45984	100.235	
	15	45945	46209	45412	45646	45875	45889	45571	46160	45840	46036	46369	45906	99.823	
	16	46375	46377	45866	46201	46283	45313	46140	46793	45875	45734	46253	46072	100.263	
	17	46429	45890	46083	45588	45634	46146	46014	45910	45855	46049	46368	45454	99.925	
	18	46155	46340	46447	46072	45342	46152	46186	46494	46027	46106	45889	45694	100.194	
	19	45673	45566	46599	45673	45688	45633	45505	46137	45767	46268	46137	46109	99.805	
	20	46009	46464	46451	46287	45830	46052	45857	45529	45625	45779	45674	45205	99.806	
	21	46052	45960	46136	45955	46014	45418	45690	46288	45506	45936	46638	46045	99.965	
	22	46077	45565	45722	46153	45788	46060	46140	45641	45869	45876	45902	45242	99.674	
	23	45519	46039	46162	45930	45687	45947	46040	45582	45972	45256	46353	45599	99.683	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	46379	45955	45575	45655	45830	46332	45245	46440	45921	46192	46109	45711	99.913	
	1	46210	45784	45910	45818	45876	45431	45862	46809	46135	45733	46648	45326	99.947	
	2	46221	46067	45883	46139	46252	46505	45058	45841	45806	45057	46024	45404	99.715	
	3	46259	45752	45975	46301	45513	45737	46106	45594	45466	46006	45659	45580	99.659	
	4	45654	45763	45923	46086	45988	45804	45543	45725	45768	45966	46048	46448	99.797	
	5	45878	45278	45626	45591	46108	45218	46059	45686	45534	45937	45751	46035	99.432	
	6	45701	46076	45300	45725	45780	45788	46262	46256	45724	46016	46586	45624	99.820	
	7	46111	46013	45315	46064	45019	45847	45919	45709	45617	46239	45759	46389	99.668	
	8	46002	46146	46104	45471	46025	46011	45479	46054	46230	46491	46584	45490	100.046	
	9	45954	45950	46067	45806	45473	46080	46142	46245	46075	45929	46191	45951	100.005	
	10	46482	45361	46162	46499	46296	46057	46125	45756	46181	46135	46054	46380	100.300	
	11	46711	46617	46096	46920	46278	46379	45812	45825	45246	46028	46574	46252	100.527	
	12	46089	45862	45998	45719	45690	45637	45243	45763	46074	46224	45646	45926	99.644	
	13	45927	46630	46184	45883	46130	45858	45974	45947	46179	46077	46231	45803	100.179	
	14	45989	46039	45368	45551	45827	45432	46054	45360	46037	45420	45774	45458	99.361	
	15	45843	45934	46453	46008	46075	46458	46199	45918	46199	46281	46193	46061	100.324	
	16	44854	45846	45874	46681	45712	45232	45661	46163	46564	45587	45113	45643	99.475	
	17	46117	46009	46073	46579	45669	45932	46373	45153	46234	46254	45970	45672	100.036	
	18	45868	45660	45965	46095	45576	45788	45823	45294	45715	45066	46140	45981	99.481	
	19	45708	46018	45880	45839	45863	45754	45702	45236	45793	45360	45159	45184	99.216	
	20	45501	45850	46012	46024	45651	45814	46070	45229	46242	45721	45626	46072	99.634	
	21	45548	45187	45787	45439	46250	45659	45575	45614	45462	45207	45455	45639	99.092	
	22	45877	45871	45315	46214	45787	45466	46058	45216	45168	45925	45316	45423	99.239	
	23	46107	45427	45985	46248	45592	45888	45550	45976	45657	45784	46015	45460	99.611	
28	0	46015	45989	45772	45516	45764	45705	45368	46448	45444	45367	45182	45916	99.396	
	1	46057	45369	45348	45350	45632	45229	45584	44981	45309	45347	45571	45395	98.793	
	2	46325	45509	46109	45752	45911	45485	45245	45897	45739	45924	45363	45644	99.469	
	3	45724	45161	45830	45617	46100	45597	45593	44939	45214	45654	45368	45036	98.913	
	4	45644	45520	46481	46348	46498	45612	45260	45696	45755	45659	45010	46284	99.626	
	5	45435	45783	45394	46378	45244	45824	45667	45081	45724	45830	45428	45832	99.236	
	6	46332	45542	45378	45764	45175	45356	45589	45314	45482	45984	45766	45671	99.188	
	7	46203	46111	45661	45543	45640	45598	45956	46125	45646	45318	45919	45338	99.497	
	8	45319	45692	46221	46020	46344	46154	46111	46044	46623	46122	46351	45215	100.069	
	9	46027	45715	46094	45818	45376	45709	46048	45502	46115	46156	46040	46336	99.837	
	10	46043	45672	45602	45262	46477	46211	46594	45509	46230	45996	46207	46231	100.036	
	11	46064	46026	45663	46126	45657	45766	45659	46748	46664	46091	45493	45818	99.989	
	12	46265	46421	46057	46513	46471	46515	46427	46080	46127	46211	45944	45978	100.575	
	13	46097	46181	46240	45807	45888	46058	45265	46312	46035	46681	46457	45756	100.171	
	14	45810	45842	46270	46010	45992	46292	46126	46685	46132	46229	46252	46102	100.346	
	15	46972	46281	46027	46150	45867	45677	46003	46525	46271	45966	45838	46078	100.330	
	16	46189	46086	46258	45453	45809	46227	45736	46152	45712	46158	46166	44914	99.824	
	17	46123	45874	45378	45645	46500	45868	46131	45997	45961	45843	45469	46181	99.843	
	18	45686	46196	45693	45139	46299	46231	45835	45361	45864	45534	46088	45691	99.598	
	19	46058	46027	45467	45536	46388	45932	46691	46140	45826	45832	45884	45622	99.922	
	20	45403	45619	45914	45923	45831	45708	46577	45648	45311	45526	45920	46399	99.627	
	21	45492	46108	45309	45674	45698	45450	45684	45750	45564	45871	45917	45976	99.395	
	22	46298	45957	45891	45965	45748	45881	45335	46054	46033	45481	45790	45748	99.701	
	23	45150	45718	45298	45362	46086	45724	45799	46047	45493	46276	46029	45778	99.444	



		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	46387	45758	45183	45952	45484	46254	46153	46301	45415	45442	45342	46130	99.626
	1	45935	45811	45126	45978	46073	45644	45831	45017	45941	45536	45185	45376	99.206
	2	46101	45515	46277	46092	45902	45750	45377	45377	45548	45378	45340	46035	99.431
	3	45294	45788	45608	46142	45613	45688	45484	45746	45345	45640	45843	45668	99.280
	4	45448	45751	45851	45212	45960	45669	46272	45854	45631	45973	45628	45915	99.516
	5	45745	45592	45413	45460	45383	45471	45982	45831	45526	45404	45586	44957	99.006
	6	45493	45356	45448	45449	45957	45025	46115	45691	45425	46217	45494	46044	99.254
	7	46032	45386	45505	45389	45562	45409	45670	45455	45834	45637	45856	45678	99.199
	8	45735	45697	45707	45970	46216	45123	45646	46282	45716	45390	45866	45807	99.515
	9	45623	45706	45983	45681	45363	45230	45325	46231	45536	45667	45537	45797	99.247
	10	45639	46430	45685	45907	46113	45298	46257	46063	45536	45668	45821	45486	99.650
	11	45964	45718	45627	45776	45500	46265	45391	45562	45565	45522	45162	45488	99.222
	12	45856	45707	45730	45930	45250	46021	46514	45674	45631	45349	45780	45843	99.538
	13	46128	45916	45861	45945	45997	45379	46024	45619	46067	45653	45628	45884	99.686
	14	45740	45452	46048	45664	46180	45886	45967	45987	45476	46109	45770	45475	99.624
	15	46462	46202	46087	45364	45998	46303	45803	44471	45338	46238	45616	45815	99.613
	16	45145	46251	45928	45612	45530	46331	46547	46189	46725	46576	45910	46106	100.184
	17	45878	46550	45836	46484	45798	46325	46223	46225	45853	46450	45630	45838	100.228
	18	46221	45366	46120	46086	45846	46205	46218	45620	45711	45471	46276	45760	99.831
	19	46005	45870	46046	45803	45917	44924	45851	46494	46044	46005	46535	45713	99.886
	20	46077	45984	46034	46275	45861	45946	45897	45656	46646	45839	45788	45741	99.984
	21	45725	45983	46186	45969	46123	45948	45344	45805	45900	46287	45764	45925	99.842
	22	46220	45903	45498	46127	46535	45314	46050	45863	46243	46546	45387	45669	99.913
	23	46410	46229	46197	45938	45710	45705	45847	46368	45576	45890	45941	45638	99.930
30	0	46206	44953	46057	46076	45712	45857	45906	46344	46044	45761	45881	46146	99.834
	1	45929	45548	45186	45637	45631	45514	45589	45204	45973	46021	45958	45833	99.310
	2	45634	45169	45723	45241	45627	45896	46058	45015	45886	46088	45484	45388	99.162
	3	45009	46007	45422	45777	45663	45605	45838	45810	45782	45854	45704	45717	99.340
	4	45342	45643	45292	46315	46159	45942	45794	45922	45547	45047	45841	45515	99.370
	5	45492	45931	46000	46229	45569	45170	45816	45573	45773	45480	45393	45407	99.275
	6	46280	45106	45546	45748	45020	45167	46431	46019	46037	45591	46022	46037	99.487
	7	45963	45579	45541	45437	45860	45530	45968	45944	45897	46035	45315	45828	99.468
	8	45902	45945	44968	46175	45622	46057	45540	45924	45820	45573	46327	45922	99.627
	9	45411	45698	45407	45955	45918	45933	45927	46105	46243	45856	45597	46360	99.742
	10	45302	45787	45882	46124	45199	45749	46393	46441	45879	45667	45666	46322	99.743
	11	45388	45558	45768	46263	45573	46299	45565	46624	46063	45976	45822	45973	99.826
	12	45838	46374	46274	45584	45722	45975	45925	45821	46037	45556	45602	46611	99.906
	13	45922	45559	45665	46194	45718	45997	45815	45998	46113	46147	46009	45990	99.872
	14	46257	46074	45515	46143	46043	46035	45406	46390	45631	45774	45560	45691	99.762
	15	46299	46009	46105	45933	45517	46230	45899	45853	45639	46252	46104	45248	99.865
	16	46168	46033	45897	45952	45336	45778	45946	45874	46331	45805	45933	46087	99.875
	17	45815	46322	46028	45138	46302	46307	45916	45907	45443	45811	45811	45517	99.725
	18	45406	46011	45029	45779	46035	45724	45857	46334	46231	45490	45539	46140	99.591
	19	45478	45689	45958	45302	46105	45651	45623	45504	45857	45359	45607	45978	99.326
	20	45956	45900	45575	45779	46066	45499	46426	45939	46064	46684	45358	45508	99.804
	21	46096	45923	45691	46282	46204	45978	45918	46250	45649	45665	46225	45492	99.916
	22	45411	45218	45852	46216	45933	46204	46334	46161	46067	45085	46189	46000	99.789
	23	45623	45785	45867	45749	46026	44893	45635	45789	45481	45693	45756	46065	99.371

		S.V.I.R.CO. Observatory - Pressure Corrected Data – July 2011											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	45119	45598	46201	45596	45677	45485	45535	46026	45787	45305	45634	45925	99.279
	1	45309	45385	45936	45643	45726	45372	45987	46041	45913	45695	45713	45597	99.363
	2	45337	45606	45761	45685	45236	45856	45063	46065	45486	45541	45454	45762	99.097
	3	45516	45501	45012	46117	46042	45404	45450	45174	45236	45648	45792	45634	99.038
	4	45764	45209	45849	45241	45884	46063	45514	45945	45527	45253	44753	45759	99.081
	5	46050	45704	46020	45363	46046	45564	46719	45723	45536	46153	45715	45364	99.660
	6	45436	46539	45666	45304	45494	45763	45504	45682	45808	45698	45304	45536	99.257
	7	45268	46278	45720	46131	45824	46388	45624	45574	45595	45711	45468	46109	99.612
	8	46022	46010	46366	45981	45402	45936	46148	46299	45914	46567	45637	45748	100.035
	9	45582	45456	45792	45817	46018	45456	45761	45551	45924	45333	45969	45620	99.356
	10	45880	46507	45492	45421	45521	45921	45972	45838	45977	46320	46072	46203	99.871
	11	45553	45945	45505	45376	45901	45432	45555	45978	45786	46249	45771	45625	99.428
	12	46271	45705	46054	46026	45900	45973	46465	45236	45651	46233	46252	45458	99.889
	13	46449	45429	45727	45691	46172	45831	45662	45416	45719	45827	45833	46205	99.661
	14	46143	45587	45420	45976	45950	45867	45530	46333	46088	46025	45489	45838	99.712
	15	45482	45109	45624	45550	45798	45571	45793	47018	45857	45700	45333	45625	99.389
	16	45983	45411	45576	45954	45157	45643	46102	45711	45796	45733	45619	45970	99.424
	17	46181	45466	45603	45382	45761	45801	45661	45535	45796	45533	45903	45535	99.334
	18	45896	45752	45085	45323	45643	45534	45540	45446	45610	45959	45198	45326	99.000
	19	45848	45228	45697	45851	46183	45813	45263	45588	45834	45419	45155	46013	99.286
	20	45486	45550	45806	45730	45342	45795	46566	45857	45837	45396	45325	45840	99.402
	21	45163	45552	45893	46079	45863	45724	45832	45646	45491	45942	45734	45336	99.352
	22	46015	45532	46014	45784	45668	44528	45629	45393	44850	45109	45486	45563	98.865
	23	45687	45738	45669	45274	45489	45648	46016	45792	45843	45432	45594	45023	99.161

S.V.I.R.CO. Observatory - Pressure in hectoPascal – July 2011

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	1010.67	1010.66	1010.64	1010.60	1010.55	1010.54	1010.58	1010.58	1010.56	1010.52	1010.46	1010.42	1010.56
	1	1010.40	1010.38	1010.39	1010.40	1010.42	1010.44	1010.43	1010.39	1010.37	1010.34	1010.32	1010.30	1010.38
	2	1010.27	1010.26	1010.28	1010.31	1010.34	1010.35	1010.34	1010.33	1010.33	1010.35	1010.36	1010.35	1010.32
	3	1010.37	1010.39	1010.39	1010.40	1010.37	1010.37	1010.39	1010.45	1010.50	1010.51	1010.53	1010.54	1010.43
	4	1010.52	1010.48	1010.46	1010.47	1010.48	1010.47	1010.45	1010.46	1010.51	1010.56	1010.60	1010.66	1010.51
	5	1010.74	1010.78	1010.83	1010.90	1010.96	1010.97	1010.96	1010.97	1010.98	1010.96	1010.94	1010.93	1010.91
	6	1010.95	1010.95	1010.93	1010.92	1010.90	1010.86	1010.83	1010.80	1010.82	1010.84	1010.84	1010.84	1010.87
	7	1010.87	1010.91	1010.92	1010.93	1010.97	1010.98	1010.99	1011.01	1011.04	1011.09	1011.15	1011.23	1011.01
	8	1011.26	1011.25	1011.22	1011.19	1011.19	1011.25	1011.30	1011.32	1011.30	1011.27	1011.29	1011.35	1011.26
	9	1011.40	1011.42	1011.41	1011.42	1011.49	1011.55	1011.53	1011.52	1011.51	1011.50	1011.50	1011.46	1011.47
	10	1011.39	1011.35	1011.32	1011.24	1011.16	1011.09	1011.03	1011.06	1011.12	1011.10	1011.07	1011.07	1011.17
	11	1011.04	1011.02	1011.03	1011.04	1010.99	1010.89	1010.78	1010.70	1010.61	1010.53	1010.47	1010.39	1010.79
	12	1010.33	1010.29	1010.22	1010.10	1010.04	1009.99	1009.93	1009.89	1009.85	1009.83	1009.88	1009.97	1010.03
	13	1010.01	1010.05	1010.12	1010.20	1010.19	1010.13	1010.11	1010.15	1010.12	1010.07	1010.05	1010.07	1010.10
	14	1010.13	1010.11	1010.11	1010.06	1009.93	1009.79	1009.71	1009.66	1009.58	1009.58	1009.71	1009.81	1009.84
	15	1009.86	1009.90	1009.95	1009.89	1009.80	1009.80	1009.77	1009.72	1009.68	1009.69	1009.72	1009.64	1009.78
	16	1009.48	1009.39	1009.34	1009.32	1009.34	1009.35	1009.34	1009.32	1009.30	1009.37	1009.51	1009.67	1009.39
	17	1009.75	1009.74	1009.77	1009.77	1009.72	1009.70	1009.69	1009.67	1009.71	1009.76	1009.75	1009.72	1009.73
	18	1009.69	1009.64	1009.63	1009.67	1009.72	1009.74	1009.71	1009.66	1009.66	1009.70	1009.73	1009.75	1009.69
	19	1009.76	1009.76	1009.77	1009.80	1009.84	1009.94	1010.00	1010.07	1010.18	1010.21	1010.16	1010.13	1009.97
	20	1010.12	1010.08	1010.01	1009.96	1009.98	1010.02	1010.09	1010.13	1010.15	1010.18	1010.15	1010.14	1010.08
	21	1010.16	1010.17	1010.15	1010.12	1010.12	1010.13	1010.14	1010.15	1010.20	1010.23	1010.22	1010.24	1010.17
	22	1010.26	1010.27	1010.29	1010.29	1010.30	1010.29	1010.26	1010.25	1010.22	1010.19	1010.18	1010.14	1010.24
	23	1010.10	1010.09	1010.06	1010.00	1009.94	1009.90	1009.87	1009.85	1009.84	1009.81	1009.76	1009.70	1009.91
2	0	1009.65	1009.64	1009.62	1009.60	1009.58	1009.55	1009.51	1009.46	1009.43	1009.44	1009.46	1009.48	1009.53
	1	1009.52	1009.52	1009.46	1009.43	1009.40	1009.37	1009.35	1009.32	1009.29	1009.27	1009.27	1009.25	1009.37
	2	1009.21	1009.17	1009.14	1009.13	1009.11	1009.09	1009.10	1009.11	1009.10	1009.09	1009.08	1009.08	1009.11
	3	1009.09	1009.11	1009.11	1009.08	1009.05	1009.04	1008.99	1008.90	1008.84	1008.79	1008.77	1008.78	1008.96
	4	1008.74	1008.71	1008.71	1008.70	1008.67	1008.61	1008.54	1008.49	1008.42	1008.37	1008.37	1008.40	1008.56
	5	1008.46	1008.49	1008.47	1008.47	1008.47	1008.49	1008.54	1008.61	1008.68	1008.74	1008.77	1008.77	1008.58
	6	1008.78	1008.79	1008.78	1008.75	1008.74	1008.75	1008.78	1008.82	1008.81	1008.80	1008.82	1008.80	1008.78
	7	1008.78	1008.74	1008.67	1008.61	1008.56	1008.52	1008.50	1008.45	1008.38	1008.30	1008.21	1008.17	1008.49
	8	1008.19	1008.19	1008.17	1008.15	1008.15	1008.15	1008.13	1008.16	1008.16	1008.14	1008.16	1008.17	1008.16
	9	1008.21	1008.24	1008.22	1008.23	1008.26	1008.30	1008.29	1008.25	1008.24	1008.25	1008.25	1008.24	1008.25
	10	1008.22	1008.23	1008.26	1008.23	1008.20	1008.18	1008.14	1008.15	1008.18	1008.15	1008.13	1008.17	1008.18
	11	1008.19	1008.17	1008.15	1008.12	1008.09	1008.08	1008.06	1008.03	1008.02	1008.03	1008.03	1007.95	1008.08
	12	1007.87	1007.89	1007.91	1007.88	1007.83	1007.81	1007.80	1007.76	1007.72	1007.71	1007.69	1007.64	1007.79
	13	1007.53	1007.45	1007.45	1007.44	1007.39	1007.35	1007.29	1007.23	1007.18	1007.16	1007.11	1007.06	1007.30
	14	1007.09	1007.12	1007.16	1007.16	1007.18	1007.24	1007.29	1007.36	1007.38	1007.36	1007.37	1007.45	1007.26
	15	1007.57	1007.67	1007.70	1007.73	1007.80	1007.77	1007.78	1007.80	1007.74	1007.67	1007.59	1007.55	1007.70
	16	1007.55	1007.61	1007.73	1007.80	1007.87	1007.87	1007.85	1007.84	1007.81	1007.82	1007.81	1007.79	1007.78
	17	1007.79	1007.79	1007.80	1007.82	1007.79	1007.68	1007.64	1007.67	1007.72	1007.78	1007.82	1007.83	1007.76
	18	1007.84	1007.87	1007.86	1007.85	1007.86	1007.88	1007.87	1007.85	1007.83	1007.82	1007.80	1007.79	1007.84
	19	1007.77	1007.72	1007.70	1007.72	1007.74	1007.76	1007.80	1007.87	1007.94	1007.97	1007.97	1007.99	1007.83
	20	1008.04	1008.09	1008.13	1008.15	1008.16	1008.17	1008.17	1008.16	1008.17	1008.17	1008.17	1008.18	1008.15
	21	1008.21	1008.24	1008.26	1008.26	1008.24	1008.22	1008.21	1008.23	1008.24	1008.24	1008.26	1008.28	1008.24
	22	1008.26	1008.26	1008.26	1008.26	1008.25	1008.23	1008.23	1008.24	1008.26	1008.27	1008.32	1008.38	1008.27
	23	1008.39	1008.38	1008.39	1008.39	1008.37	1008.35	1008.31	1008.28	1008.27	1008.22	1008.19	1008.21	1008.31

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1008.25	1008.28	1008.30	1008.28	1008.23	1008.17	1008.11	1008.07	1008.06	1008.12	1008.15	1008.11	1008.17
	1	1008.09	1008.16	1008.22	1008.25	1008.25	1008.27	1008.29	1008.30	1008.30	1008.29	1008.28	1008.27	1008.24
	2	1008.28	1008.27	1008.24	1008.22	1008.21	1008.21	1008.18	1008.19	1008.18	1008.14	1008.15	1008.20	1008.20
	3	1008.26	1008.30	1008.34	1008.37	1008.39	1008.43	1008.47	1008.49	1008.53	1008.54	1008.55	1008.58	1008.44
	4	1008.59	1008.63	1008.62	1008.62	1008.67	1008.68	1008.73	1008.80	1008.83	1008.83	1008.82	1008.84	1008.72
	5	1008.85	1008.80	1008.79	1008.81	1008.79	1008.80	1008.86	1008.92	1008.95	1008.95	1008.95	1008.96	1008.87
	6	1008.96	1008.95	1008.99	1009.03	1009.05	1009.11	1009.17	1009.22	1009.24	1009.26	1009.28	1009.32	1009.13
	7	1009.36	1009.36	1009.37	1009.39	1009.39	1009.38	1009.37	1009.37	1009.38	1009.39	1009.40	1009.42	1009.38
	8	1009.47	1009.54	1009.61	1009.65	1009.64	1009.62	1009.59	1009.55	1009.52	1009.51	1009.50	1009.48	1009.56
	9	1009.48	1009.50	1009.50	1009.50	1009.50	1009.49	1009.48	1009.49	1009.49	1009.48	1009.48	1009.46	1009.48
	10	1009.45	1009.46	1009.47	1009.47	1009.51	1009.54	1009.55	1009.56	1009.54	1009.54	1009.55	1009.51	1009.51
	11	1009.49	1009.47	1009.46	1009.50	1009.53	1009.53	1009.56	1009.57	1009.57	1009.55	1009.54	1009.52	1009.52
	12	1009.49	1009.46	1009.47	1009.50	1009.49	1009.50	1009.56	1009.56	1009.53	1009.52	1009.52	1009.53	1009.51
	13	1009.51	1009.49	1009.50	1009.51	1009.51	1009.53	1009.50	1009.48	1009.51	1009.54	1009.55	1009.57	1009.52
	14	1009.58	1009.57	1009.56	1009.55	1009.57	1009.64	1009.70	1009.71	1009.70	1009.69	1009.67	1009.63	1009.63
	15	1009.59	1009.57	1009.56	1009.59	1009.57	1009.54	1009.53	1009.48	1009.44	1009.47	1009.48	1009.46	1009.52
	16	1009.44	1009.44	1009.48	1009.52	1009.55	1009.53	1009.50	1009.50	1009.53	1009.56	1009.60	1009.63	1009.52
	17	1009.66	1009.73	1009.77	1009.76	1009.79	1009.84	1009.90	1009.96	1009.98	1010.00	1010.06	1010.11	1009.88
	18	1010.11	1010.15	1010.22	1010.27	1010.32	1010.37	1010.39	1010.44	1010.50	1010.55	1010.59	1010.58	1010.37
	19	1010.58	1010.63	1010.65	1010.73	1010.87	1010.97	1010.99	1011.00	1011.05	1011.13	1011.19	1011.26	1010.92
	20	1011.35	1011.43	1011.48	1011.51	1011.52	1011.54	1011.60	1011.64	1011.65	1011.66	1011.70	1011.75	1011.57
	21	1011.77	1011.79	1011.75	1011.75	1011.85	1011.95	1012.01	1012.01	1012.01	1012.02	1012.00	1011.99	1011.91
	22	1012.00	1011.98	1011.96	1011.95	1011.92	1011.88	1011.87	1011.85	1011.78	1011.76	1011.74	1011.68	1011.86
	23	1011.66	1011.70	1011.72	1011.66	1011.57	1011.50	1011.46	1011.46	1011.42	1011.38	1011.35	1011.30	1011.51
4	0	1011.22	1011.25	1011.30	1011.33	1011.30	1011.27	1011.35	1011.42	1011.42	1011.41	1011.40	1011.44	1011.35
	1	1011.47	1011.46	1011.41	1011.34	1011.29	1011.35	1011.40	1011.36	1011.32	1011.26	1011.22	1011.24	1011.34
	2	1011.21	1011.18	1011.19	1011.18	1011.23	1011.30	1011.39	1011.46	1011.41	1011.35	1011.37	1011.39	1011.30
	3	1011.34	1011.30	1011.34	1011.42	1011.50	1011.59	1011.69	1011.73	1011.74	1011.84	1011.96	1011.99	1011.62
	4	1012.11	1012.21	1012.17	1012.16	1012.21	1012.19	1012.18	1012.18	1012.14	1012.21	1012.32	1012.39	1012.20
	5	1012.52	1012.71	1012.78	1012.72	1012.68	1012.72	1012.75	1012.83	1012.95	1012.99	1013.02	1013.09	1012.81
	6	1013.13	1013.17	1013.25	1013.35	1013.51	1013.67	1013.77	1013.84	1013.86	1013.88	1013.91	1013.93	1013.60
	7	1013.93	1013.97	1014.01	1014.01	1014.01	1014.03	1014.06	1014.11	1014.20	1014.22	1014.14	1014.14	1014.07
	8	1014.21	1014.24	1014.23	1014.18	1014.09	1014.04	1014.06	1014.10	1014.14	1014.15	1014.14	1014.14	1014.14
	9	1014.19	1014.22	1014.16	1014.09	1014.04	1014.05	1014.08	1014.07	1014.06	1014.11	1014.12	1014.06	1014.10
	10	1014.00	1013.93	1013.88	1013.90	1013.93	1013.88	1013.78	1013.73	1013.76	1013.78	1013.75	1013.75	1013.84
	11	1013.72	1013.68	1013.72	1013.81	1013.96	1014.12	1014.19	1014.25	1014.38	1014.49	1014.56	1014.65	1014.13
	12	1014.74	1014.84	1014.96	1015.05	1015.07	1015.10	1015.17	1015.20	1015.21	1015.23	1015.20	1015.13	1015.07
	13	1015.02	1014.94	1014.95	1014.99	1015.00	1015.00	1015.04	1015.04	1015.02	1015.00	1014.94	1014.93	1014.99
	14	1014.96	1014.97	1014.99	1015.00	1014.99	1014.96	1014.95	1014.94	1014.94	1014.93	1014.92	1014.89	1014.95
	15	1014.78	1014.69	1014.65	1014.55	1014.43	1014.40	1014.38	1014.33	1014.32	1014.30	1014.22	1014.11	1014.43
	16	1013.95	1013.85	1013.79	1013.70	1013.56	1013.38	1013.30	1013.17	1013.02	1013.08	1013.19	1013.23	1013.43
	17	1013.28	1013.46	1013.73	1013.85	1013.85	1013.87	1013.83	1013.76	1013.67	1013.57	1013.47	1013.38	1013.64
	18	1013.34	1013.38	1013.42	1013.40	1013.41	1013.42	1013.35	1013.36	1013.47	1013.53	1013.57	1013.70	1013.44
	19	1013.74	1013.69	1013.73	1013.80	1013.86	1013.92	1013.98	1013.99	1014.03	1014.05	1014.08	1014.06	1013.91
	20	1013.93	1013.82	1013.76	1013.76	1013.76	1013.68	1013.54	1013.49	1013.61	1013.65	1013.54	1013.49	1013.67
	21	1013.49	1013.47	1013.49	1013.50	1013.50	1013.47	1013.45	1013.48	1013.54	1013.56	1013.53	1013.53	1013.50
	22	1013.57	1013.64	1013.72	1013.73	1013.63	1013.50	1013.40	1013.29	1013.23	1013.17	1013.12	1013.14	1013.43
	23	1013.24	1013.30	1013.30	1013.33	1013.23	1013.07	1013.05	1013.08	1013.11	1013.21	1013.15	1012.95	1013.17

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1012.88	1012.92	1012.95	1012.88	1012.77	1012.70	1012.62	1012.59	1012.60	1012.52	1012.37	1012.29	1012.66
	1	1012.30	1012.17	1012.00	1011.91	1011.83	1011.80	1011.82	1011.86	1011.92	1011.95	1011.95	1011.97	1011.96
	2	1012.01	1012.04	1011.98	1011.94	1011.96	1011.97	1011.96	1011.92	1011.91	1012.01	1012.08	1012.13	1011.99
	3	1012.25	1012.31	1012.28	1012.27	1012.22	1012.07	1011.87	1011.62	1011.38	1011.21	1011.07	1010.94	1011.79
	4	1010.81	1010.67	1010.63	1010.70	1010.82	1010.97	1011.20	1011.46	1011.53	1011.40	1011.23	1011.02	1011.03
	5	1010.85	1010.77	1010.69	1010.67	1010.77	1010.80	1010.60	1010.41	1010.47	1010.56	1010.44	1010.29	1010.61
	6	1010.27	1010.34	1010.59	1010.91	1011.00	1011.02	1011.08	1011.05	1010.99	1011.15	1011.54	1011.96	1010.99
	7	1012.64	1013.11	1012.66	1012.15	1012.14	1012.24	1012.46	1012.50	1012.30	1012.27	1012.28	1012.12	1012.40
	8	1012.16	1012.50	1012.69	1012.65	1012.56	1012.56	1012.46	1012.30	1012.31	1012.34	1012.31	1012.25	1012.42
	9	1012.25	1012.29	1012.30	1012.29	1012.21	1012.12	1012.03	1011.95	1011.86	1011.75	1011.64	1011.53	1012.02
	10	1011.40	1011.33	1011.28	1011.24	1011.21	1011.14	1011.03	1010.93	1010.90	1010.85	1010.80	1010.73	1011.07
	11	1010.71	1010.71	1010.64	1010.54	1010.50	1010.51	1010.50	1010.50	1010.48	1010.47	1010.50	1010.53	1010.55
	12	1010.53	1010.48	1010.47	1010.48	1010.43	1010.40	1010.36	1010.29	1010.20	1010.11	1010.05	1009.96	1010.31
	13	1009.87	1009.80	1009.75	1009.66	1009.56	1009.49	1009.45	1009.40	1009.36	1009.33	1009.24	1009.13	1009.50
	14	1009.02	1008.99	1009.00	1009.01	1009.02	1008.99	1008.93	1008.92	1008.96	1009.00	1009.00	1008.99	1008.98
	15	1008.97	1008.91	1008.87	1008.89	1008.97	1009.08	1009.15	1009.17	1009.19	1009.22	1009.36	1009.46	1009.10
	16	1009.45	1009.47	1009.49	1009.44	1009.39	1009.43	1009.47	1009.41	1009.35	1009.36	1009.37	1009.28	1009.41
	17	1009.18	1009.18	1009.17	1009.15	1009.20	1009.20	1009.20	1009.22	1009.25	1009.27	1009.29	1009.30	1009.21
	18	1009.30	1009.31	1009.33	1009.32	1009.31	1009.32	1009.33	1009.33	1009.38	1009.42	1009.44	1009.48	1009.35
	19	1009.50	1009.52	1009.59	1009.68	1009.74	1009.77	1009.76	1009.81	1009.89	1009.92	1009.99	1010.10	1009.77
	20	1010.18	1010.22	1010.22	1010.23	1010.26	1010.28	1010.29	1010.28	1010.27	1010.29	1010.29	1010.30	1010.26
	21	1010.32	1010.29	1010.22	1010.21	1010.26	1010.28	1010.31	1010.35	1010.37	1010.38	1010.40	1010.42	1010.32
	22	1010.45	1010.48	1010.48	1010.45	1010.45	1010.48	1010.48	1010.49	1010.54	1010.58	1010.60	1010.61	1010.50
	23	1010.60	1010.57	1010.54	1010.55	1010.58	1010.61	1010.62	1010.58	1010.49	1010.45	1010.45	1010.46	1010.54
6	0	1010.44	1010.46	1010.48	1010.47	1010.45	1010.46	1010.46	1010.45	1010.42	1010.38	1010.30	1010.22	1010.41
	1	1010.19	1010.20	1010.23	1010.22	1010.18	1010.18	1010.17	1010.15	1010.17	1010.19	1010.17	1010.15	1010.18
	2	1010.14	1010.09	1010.03	1009.98	1009.96	1009.96	1009.99	1010.03	1010.05	1010.05	1010.03	1010.03	1010.03
	3	1010.08	1010.15	1010.19	1010.22	1010.24	1010.23	1010.26	1010.33	1010.36	1010.39	1010.42	1010.42	1010.27
	4	1010.43	1010.48	1010.52	1010.55	1010.59	1010.63	1010.65	1010.65	1010.62	1010.63	1010.65	1010.63	1010.58
	5	1010.62	1010.67	1010.74	1010.80	1010.85	1010.87	1010.87	1010.86	1010.86	1010.85	1010.80	1010.77	1010.79
	6	1010.77	1010.80	1010.83	1010.85	1010.88	1010.91	1010.93	1010.96	1011.00	1010.99	1010.95	1010.92	1010.90
	7	1010.92	1010.91	1010.89	1010.89	1010.88	1010.89	1010.90	1010.88	1010.85	1010.83	1010.83	1010.84	1010.87
	8	1010.83	1010.79	1010.76	1010.75	1010.74	1010.75	1010.78	1010.80	1010.81	1010.85	1010.87	1010.87	1010.80
	9	1010.89	1010.90	1010.89	1010.86	1010.80	1010.75	1010.66	1010.57	1010.54	1010.50	1010.48	1010.44	1010.69
	10	1010.41	1010.40	1010.38	1010.36	1010.35	1010.32	1010.32	1010.29	1010.24	1010.22	1010.22	1010.20	1010.31
	11	1010.16	1010.14	1010.15	1010.11	1010.05	1009.98	1009.91	1009.88	1009.91	1009.91	1009.89	1009.87	1009.99
	12	1009.88	1009.94	1009.99	1010.01	1009.98	1009.98	1010.03	1010.06	1010.06	1010.06	1010.09	1010.11	1010.01
	13	1010.11	1010.13	1010.14	1010.13	1010.12	1010.12	1010.13	1010.17	1010.19	1010.18	1010.16	1010.15	1010.14
	14	1010.17	1010.20	1010.21	1010.24	1010.28	1010.28	1010.31	1010.32	1010.33	1010.32	1010.29	1010.29	1010.27
	15	1010.28	1010.23	1010.19	1010.19	1010.24	1010.25	1010.27	1010.28	1010.25	1010.23	1010.26	1010.26	1010.24
	16	1010.26	1010.29	1010.29	1010.27	1010.24	1010.22	1010.18	1010.16	1010.18	1010.22	1010.26	1010.30	1010.24
	17	1010.35	1010.38	1010.42	1010.47	1010.49	1010.50	1010.51	1010.54	1010.56	1010.57	1010.58	1010.63	1010.50
	18	1010.69	1010.73	1010.76	1010.79	1010.81	1010.82	1010.85	1010.87	1010.92	1010.95	1010.94	1010.96	1010.84
	19	1011.02	1011.10	1011.17	1011.21	1011.27	1011.33	1011.38	1011.43	1011.53	1011.63	1011.71	1011.78	1011.38
	20	1011.82	1011.85	1011.89	1011.94	1011.96	1011.98	1012.02	1012.09	1012.12	1012.14	1012.18	1012.21	1012.01
	21	1012.22	1012.23	1012.28	1012.34	1012.38	1012.38	1012.37	1012.35	1012.35	1012.36	1012.36	1012.37	1012.33
	22	1012.40	1012.43	1012.45	1012.47	1012.45	1012.43	1012.42	1012.40	1012.39	1012.42	1012.42	1012.40	1012.42
	23	1012.39	1012.41	1012.43	1012.45	1012.48	1012.49	1012.51	1012.53	1012.56	1012.57	1012.54	1012.52	1012.49

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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	1012.52	1012.50	1012.47	1012.48	1012.46	1012.43	1012.44	1012.43	1012.38	1012.38	1012.39	1012.40	1012.44
	1	1012.39	1012.37	1012.39	1012.42	1012.44	1012.47	1012.47	1012.44	1012.42	1012.40	1012.37	1012.37	1012.41
	2	1012.43	1012.47	1012.45	1012.43	1012.43	1012.45	1012.47	1012.47	1012.41	1012.35	1012.37	1012.45	1012.43
	3	1012.50	1012.48	1012.46	1012.48	1012.49	1012.52	1012.55	1012.55	1012.60	1012.62	1012.62	1012.64	1012.54
	4	1012.62	1012.60	1012.63	1012.65	1012.64	1012.64	1012.69	1012.73	1012.74	1012.75	1012.75	1012.79	1012.68
	5	1012.83	1012.88	1012.92	1012.95	1012.96	1012.96	1012.96	1012.95	1012.98	1013.01	1013.02	1013.03	1012.95
	6	1013.02	1013.04	1013.06	1013.09	1013.11	1013.13	1013.17	1013.22	1013.26	1013.27	1013.25	1013.22	1013.15
	7	1013.20	1013.19	1013.17	1013.16	1013.15	1013.15	1013.18	1013.21	1013.21	1013.22	1013.23	1013.24	1013.19
	8	1013.23	1013.23	1013.24	1013.24	1013.26	1013.28	1013.27	1013.26	1013.24	1013.22	1013.22	1013.23	1013.24
	9	1013.24	1013.22	1013.17	1013.12	1013.07	1013.04	1013.03	1013.04	1013.05	1013.01	1012.98	1012.98	1013.08
	10	1012.97	1012.98	1013.00	1013.03	1013.05	1013.08	1013.13	1013.16	1013.18	1013.22	1013.26	1013.29	1013.11
	11	1013.32	1013.35	1013.34	1013.33	1013.34	1013.35	1013.31	1013.26	1013.22	1013.20	1013.20	1013.18	1013.28
	12	1013.17	1013.17	1013.18	1013.18	1013.18	1013.18	1013.21	1013.24	1013.24	1013.23	1013.22	1013.22	1013.20
	13	1013.19	1013.15	1013.12	1013.08	1013.06	1013.06	1013.03	1012.98	1012.97	1012.98	1012.98	1012.97	1013.04
	14	1012.97	1012.95	1012.94	1012.97	1012.98	1012.95	1012.92	1012.93	1012.96	1012.95	1012.90	1012.87	1012.94
	15	1012.88	1012.86	1012.80	1012.77	1012.75	1012.74	1012.73	1012.69	1012.66	1012.64	1012.60	1012.58	1012.72
	16	1012.58	1012.56	1012.55	1012.54	1012.52	1012.51	1012.52	1012.56	1012.58	1012.59	1012.62	1012.65	1012.56
	17	1012.66	1012.64	1012.64	1012.65	1012.66	1012.65	1012.61	1012.60	1012.62	1012.63	1012.62	1012.60	1012.63
	18	1012.59	1012.59	1012.59	1012.57	1012.55	1012.52	1012.47	1012.44	1012.45	1012.49	1012.52	1012.56	1012.53
	19	1012.57	1012.57	1012.59	1012.60	1012.64	1012.71	1012.75	1012.77	1012.77	1012.79	1012.83	1012.87	1012.70
	20	1012.90	1012.91	1012.92	1012.94	1012.95	1012.96	1012.98	1012.98	1012.98	1012.99	1012.99	1012.97	1012.95
	21	1012.96	1012.96	1012.97	1013.02	1013.06	1013.07	1013.06	1013.05	1013.06	1013.08	1013.09	1013.11	1013.04
	22	1013.11	1013.09	1013.10	1013.13	1013.11	1013.11	1013.12	1013.11	1013.08	1013.06	1013.06	1013.06	1013.09
	23	1013.05	1013.00	1012.97	1012.97	1012.96	1012.92	1012.88	1012.87	1012.88	1012.85	1012.85	1012.85	1012.92
8	0	1012.94	1012.95	1012.98	1013.01	1013.03	1013.06	1013.11	1013.10	1013.02	1012.95	1012.94	1012.96	1013.01
	1	1012.95	1012.92	1012.90	1012.90	1012.89	1012.88	1012.89	1012.93	1012.96	1012.98	1013.01	1013.04	1012.94
	2	1013.05	1013.05	1013.07	1013.07	1013.05	1013.02	1013.01	1013.02	1013.06	1013.12	1013.20	1013.27	1013.08
	3	1013.32	1013.36	1013.36	1013.36	1013.37	1013.37	1013.37	1013.36	1013.37	1013.35	1013.35	1013.35	1013.36
	4	1013.34	1013.31	1013.30	1013.37	1013.46	1013.52	1013.57	1013.60	1013.59	1013.60	1013.65	1013.69	1013.50
	5	1013.67	1013.67	1013.70	1013.73	1013.75	1013.78	1013.85	1013.91	1013.92	1013.94	1014.00	1014.05	1013.83
	6	1014.08	1014.12	1014.15	1014.19	1014.21	1014.20	1014.20	1014.22	1014.22	1014.23	1014.25	1014.27	1014.19
	7	1014.27	1014.27	1014.28	1014.29	1014.32	1014.37	1014.39	1014.40	1014.40	1014.43	1014.45	1014.47	1014.36
	8	1014.48	1014.49	1014.51	1014.51	1014.51	1014.53	1014.54	1014.54	1014.56	1014.60	1014.62	1014.63	1014.54
	9	1014.68	1014.72	1014.75	1014.76	1014.77	1014.77	1014.74	1014.78	1014.84	1014.86	1014.88	1014.91	1014.79
	10	1014.93	1014.94	1014.97	1015.00	1015.03	1015.03	1015.02	1015.01	1015.00	1014.99	1015.01	1015.01	1014.99
	11	1015.00	1014.99	1014.96	1014.93	1014.92	1014.92	1014.93	1014.92	1014.88	1014.83	1014.78	1014.74	1014.90
	12	1014.72	1014.71	1014.67	1014.63	1014.59	1014.54	1014.52	1014.52	1014.52	1014.53	1014.55	1014.53	1014.58
	13	1014.50	1014.49	1014.50	1014.48	1014.44	1014.44	1014.45	1014.44	1014.43	1014.42	1014.43	1014.45	1014.45
	14	1014.46	1014.47	1014.49	1014.50	1014.51	1014.53	1014.55	1014.57	1014.56	1014.55	1014.55	1014.56	1014.53
	15	1014.55	1014.51	1014.50	1014.51	1014.51	1014.50	1014.47	1014.44	1014.41	1014.38	1014.36	1014.35	1014.46
	16	1014.35	1014.32	1014.29	1014.29	1014.32	1014.36	1014.34	1014.30	1014.31	1014.36	1014.38	1014.38	1014.33
	17	1014.38	1014.39	1014.40	1014.39	1014.37	1014.36	1014.37	1014.39	1014.40	1014.41	1014.42	1014.44	1014.39
	18	1014.47	1014.54	1014.61	1014.67	1014.68	1014.67	1014.66	1014.67	1014.70	1014.73	1014.77	1014.79	1014.66
	19	1014.82	1014.84	1014.88	1014.94	1014.99	1015.05	1015.13	1015.20	1015.25	1015.30	1015.38	1015.46	1015.10
	20	1015.53	1015.59	1015.63	1015.67	1015.70	1015.71	1015.73	1015.76	1015.78	1015.83	1015.88	1015.90	1015.73
	21	1015.87	1015.86	1015.87	1015.87	1015.85	1015.82	1015.81	1015.82	1015.83	1015.84	1015.85	1015.84	1015.84
	22	1015.84	1015.82	1015.78	1015.78	1015.81	1015.81	1015.81	1015.87	1015.88	1015.87	1015.85	1015.82	1015.83
	23	1015.81	1015.81	1015.82	1015.84	1015.87	1015.87	1015.87	1015.89	1015.90	1015.91	1015.92	1015.91	1015.87

S.V.I.R.CO. Observatory - Pressure in hectoPascal – July 2011

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	1015.87	1015.89	1015.93	1015.95	1015.95	1015.96	1015.95	1015.94	1015.95	1015.97	1015.98	1015.97	1015.94
	1	1015.99	1016.00	1015.97	1015.95	1015.94	1015.93	1015.92	1015.92	1015.93	1015.92	1015.92	1015.92	1015.94
	2	1015.92	1015.93	1015.93	1015.90	1015.89	1015.90	1015.90	1015.91	1015.94	1015.97	1015.99	1016.00	1015.93
	3	1016.05	1016.07	1016.08	1016.14	1016.21	1016.25	1016.28	1016.29	1016.26	1016.28	1016.33	1016.34	1016.21
	4	1016.33	1016.36	1016.37	1016.36	1016.38	1016.40	1016.40	1016.38	1016.36	1016.36	1016.36	1016.36	1016.37
	5	1016.38	1016.45	1016.48	1016.45	1016.43	1016.43	1016.43	1016.42	1016.44	1016.46	1016.44	1016.40	1016.43
	6	1016.38	1016.39	1016.40	1016.41	1016.42	1016.45	1016.47	1016.47	1016.48	1016.50	1016.50	1016.49	1016.44
	7	1016.50	1016.55	1016.60	1016.58	1016.59	1016.65	1016.67	1016.68	1016.74	1016.79	1016.79	1016.77	1016.66
	8	1016.76	1016.74	1016.71	1016.69	1016.70	1016.74	1016.77	1016.73	1016.71	1016.72	1016.70	1016.66	1016.72
	9	1016.65	1016.62	1016.60	1016.61	1016.55	1016.49	1016.46	1016.44	1016.46	1016.43	1016.38	1016.30	1016.50
	10	1016.27	1016.26	1016.17	1016.15	1016.16	1016.11	1016.06	1016.07	1016.09	1016.03	1015.94	1015.89	1016.10
	11	1015.85	1015.84	1015.83	1015.83	1015.83	1015.83	1015.80	1015.76	1015.77	1015.77	1015.72	1015.69	1015.79
	12	1015.67	1015.65	1015.69	1015.72	1015.72	1015.74	1015.73	1015.75	1015.71	1015.65	1015.63	1015.59	1015.68
	13	1015.56	1015.57	1015.56	1015.53	1015.48	1015.45	1015.44	1015.42	1015.40	1015.40	1015.41	1015.38	1015.47
	14	1015.39	1015.40	1015.39	1015.39	1015.39	1015.41	1015.44	1015.45	1015.43	1015.46	1015.50	1015.52	1015.43
	15	1015.54	1015.61	1015.68	1015.71	1015.72	1015.71	1015.72	1015.77	1015.81	1015.87	1015.87	1015.85	1015.74
	16	1015.86	1015.82	1015.78	1015.78	1015.75	1015.66	1015.61	1015.60	1015.61	1015.62	1015.62	1015.64	1015.69
	17	1015.66	1015.68	1015.72	1015.78	1015.81	1015.82	1015.83	1015.85	1015.85	1015.81	1015.80	1015.80	1015.78
	18	1015.82	1015.82	1015.81	1015.81	1015.83	1015.85	1015.86	1015.88	1015.89	1015.91	1015.90	1015.90	1015.86
	19	1015.95	1016.01	1016.05	1016.08	1016.12	1016.16	1016.18	1016.20	1016.24	1016.26	1016.24	1016.22	1016.14
	20	1016.22	1016.22	1016.22	1016.22	1016.21	1016.19	1016.15	1016.11	1016.10	1016.11	1016.14	1016.14	1016.17
	21	1016.13	1016.10	1016.06	1016.04	1016.06	1016.08	1016.07	1016.06	1016.05	1016.02	1016.02	1016.04	1016.06
	22	1016.05	1016.04	1016.05	1016.06	1016.07	1016.07	1016.07	1016.08	1016.08	1016.08	1016.10	1016.13	1016.07
	23	1016.14	1016.15	1016.16	1016.18	1016.21	1016.23	1016.22	1016.21	1016.20	1016.17	1016.13	1016.09	1016.17
10	0	1016.02	1016.00	1015.93	1015.89	1015.88	1015.89	1015.86	1015.83	1015.84	1015.88	1015.90	1015.86	1015.89
	1	1015.79	1015.75	1015.72	1015.69	1015.67	1015.69	1015.69	1015.68	1015.69	1015.66	1015.63	1015.59	1015.69
	2	1015.51	1015.46	1015.44	1015.43	1015.42	1015.43	1015.44	1015.45	1015.47	1015.49	1015.54	1015.61	1015.47
	3	1015.62	1015.56	1015.51	1015.52	1015.55	1015.60	1015.62	1015.60	1015.57	1015.54	1015.58	1015.67	1015.58
	4	1015.72	1015.74	1015.75	1015.72	1015.72	1015.75	1015.81	1015.82	1015.77	1015.74	1015.74	1015.74	1015.75
	5	1015.75	1015.75	1015.76	1015.77	1015.77	1015.78	1015.78	1015.75	1015.75	1015.81	1015.84	1015.78	1015.77
	6	1015.77	1015.82	1015.87	1015.89	1015.88	1015.89	1015.94	1016.00	1016.03	1016.05	1016.09	1016.14	1015.94
	7	1016.21	1016.27	1016.30	1016.33	1016.32	1016.27	1016.27	1016.31	1016.33	1016.31	1016.32	1016.35	1016.30
	8	1016.37	1016.40	1016.41	1016.41	1016.43	1016.45	1016.44	1016.43	1016.40	1016.33	1016.27	1016.21	1016.38
	9	1016.17	1016.16	1016.13	1016.09	1016.09	1016.09	1016.08	1016.06	1016.05	1016.00	1015.93	1015.88	1016.06
	10	1015.84	1015.80	1015.77	1015.74	1015.71	1015.67	1015.63	1015.59	1015.52	1015.47	1015.43	1015.42	1015.63
	11	1015.36	1015.29	1015.25	1015.20	1015.13	1015.06	1015.01	1014.97	1014.92	1014.88	1014.85	1014.83	1015.06
	12	1014.79	1014.73	1014.68	1014.61	1014.56	1014.50	1014.47	1014.47	1014.45	1014.42	1014.42	1014.43	1014.54
	13	1014.45	1014.46	1014.44	1014.43	1014.45	1014.48	1014.51	1014.53	1014.58	1014.60	1014.63	1014.66	1014.52
	14	1014.64	1014.64	1014.64	1014.62	1014.61	1014.55	1014.49	1014.48	1014.44	1014.39	1014.36	1014.29	1014.51
	15	1014.22	1014.17	1014.13	1014.13	1014.10	1014.05	1014.04	1014.07	1014.13	1014.15	1014.13	1014.10	1014.11
	16	1014.10	1014.12	1014.13	1014.18	1014.26	1014.35	1014.38	1014.42	1014.41	1014.35	1014.30	1014.27	1014.27
	17	1014.29	1014.38	1014.48	1014.50	1014.47	1014.38	1014.34	1014.36	1014.38	1014.41	1014.43	1014.41	1014.40
	18	1014.35	1014.32	1014.34	1014.33	1014.30	1014.30	1014.30	1014.30	1014.29	1014.25	1014.25	1014.23	1014.29
	19	1014.18	1014.15	1014.12	1014.11	1014.16	1014.25	1014.31	1014.35	1014.40	1014.48	1014.56	1014.60	1014.30
	20	1014.61	1014.61	1014.59	1014.54	1014.46	1014.38	1014.36	1014.36	1014.31	1014.20	1014.16	1014.20	1014.40
	21	1014.22	1014.21	1014.24	1014.28	1014.27	1014.30	1014.38	1014.44	1014.47	1014.49	1014.49	1014.52	1014.36
	22	1014.57	1014.57	1014.58	1014.63	1014.70	1014.77	1014.82	1014.85	1014.81	1014.76	1014.70	1014.65	1014.70
	23	1014.63	1014.57	1014.51	1014.51	1014.48	1014.42	1014.39	1014.39	1014.35	1014.30	1014.28	1014.27	1014.42



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1014.20	1014.17	1014.11	1014.09	1014.04	1013.97	1013.96	1013.95	1013.90	1013.89	1013.88	1013.85	1013.99
	1	1013.78	1013.74	1013.77	1013.79	1013.77	1013.75	1013.74	1013.75	1013.73	1013.68	1013.68	1013.70	1013.74
	2	1013.69	1013.63	1013.58	1013.57	1013.56	1013.53	1013.50	1013.47	1013.47	1013.49	1013.45	1013.37	1013.52
	3	1013.33	1013.31	1013.31	1013.29	1013.24	1013.19	1013.17	1013.23	1013.29	1013.34	1013.38	1013.39	1013.29
	4	1013.40	1013.43	1013.48	1013.50	1013.50	1013.49	1013.52	1013.52	1013.49	1013.50	1013.53	1013.53	1013.49
	5	1013.51	1013.52	1013.53	1013.51	1013.47	1013.42	1013.42	1013.46	1013.44	1013.38	1013.35	1013.35	1013.44
	6	1013.34	1013.36	1013.40	1013.44	1013.47	1013.50	1013.51	1013.50	1013.52	1013.54	1013.52	1013.52	1013.47
	7	1013.54	1013.53	1013.52	1013.52	1013.50	1013.47	1013.44	1013.40	1013.39	1013.41	1013.44	1013.44	1013.46
	8	1013.44	1013.43	1013.42	1013.41	1013.38	1013.37	1013.38	1013.38	1013.37	1013.36	1013.34	1013.34	1013.38
	9	1013.35	1013.37	1013.38	1013.36	1013.35	1013.39	1013.45	1013.51	1013.57	1013.60	1013.63	1013.68	1013.47
	10	1013.72	1013.75	1013.77	1013.75	1013.74	1013.76	1013.79	1013.77	1013.70	1013.65	1013.63	1013.63	1013.72
	11	1013.63	1013.63	1013.63	1013.58	1013.53	1013.51	1013.49	1013.44	1013.38	1013.32	1013.23	1013.18	1013.46
	12	1013.17	1013.14	1013.08	1013.06	1013.06	1013.06	1013.06	1013.05	1013.05	1013.05	1013.03	1013.00	1013.07
	13	1013.00	1012.99	1012.97	1012.96	1012.96	1012.95	1012.90	1012.84	1012.85	1012.82	1012.77	1012.75	1012.89
	14	1012.72	1012.71	1012.68	1012.65	1012.63	1012.60	1012.55	1012.53	1012.52	1012.48	1012.45	1012.46	1012.58
	15	1012.48	1012.48	1012.49	1012.53	1012.57	1012.59	1012.62	1012.64	1012.65	1012.65	1012.61	1012.59	1012.57
	16	1012.62	1012.64	1012.64	1012.63	1012.66	1012.65	1012.62	1012.58	1012.54	1012.51	1012.50	1012.47	1012.59
	17	1012.41	1012.38	1012.42	1012.45	1012.46	1012.43	1012.40	1012.40	1012.38	1012.36	1012.36	1012.34	1012.40
	18	1012.36	1012.37	1012.34	1012.32	1012.35	1012.40	1012.41	1012.40	1012.40	1012.44	1012.49	1012.49	1012.40
	19	1012.48	1012.50	1012.54	1012.59	1012.63	1012.67	1012.71	1012.70	1012.72	1012.75	1012.77	1012.81	1012.65
	20	1012.85	1012.86	1012.91	1012.97	1012.98	1012.96	1012.94	1012.96	1012.99	1013.01	1013.03	1013.06	1012.96
	21	1013.02	1012.98	1012.94	1012.87	1012.82	1012.83	1012.85	1012.85	1012.85	1012.86	1012.88	1012.93	1012.89
	22	1012.96	1012.97	1012.99	1012.99	1012.98	1012.95	1012.92	1012.92	1012.92	1012.94	1012.96	1012.95	1012.95
	23	1012.94	1012.94	1012.92	1012.88	1012.88	1012.90	1012.85	1012.78	1012.75	1012.73	1012.71	1012.68	1012.83
12	0	1012.61	1012.56	1012.47	1012.42	1012.41	1012.43	1012.45	1012.45	1012.47	1012.47	1012.43	1012.39	1012.45
	1	1012.37	1012.37	1012.39	1012.40	1012.43	1012.46	1012.46	1012.44	1012.45	1012.47	1012.47	1012.46	1012.43
	2	1012.45	1012.43	1012.43	1012.40	1012.36	1012.37	1012.37	1012.35	1012.32	1012.27	1012.26	1012.25	1012.35
	3	1012.23	1012.23	1012.24	1012.25	1012.25	1012.22	1012.20	1012.18	1012.16	1012.15	1012.15	1012.17	1012.20
	4	1012.19	1012.22	1012.25	1012.26	1012.26	1012.25	1012.24	1012.25	1012.27	1012.31	1012.34	1012.34	1012.26
	5	1012.35	1012.34	1012.34	1012.34	1012.34	1012.34	1012.33	1012.35	1012.38	1012.42	1012.43	1012.44	1012.37
	6	1012.46	1012.46	1012.43	1012.42	1012.43	1012.44	1012.46	1012.49	1012.52	1012.55	1012.59	1012.60	1012.49
	7	1012.62	1012.63	1012.61	1012.61	1012.63	1012.65	1012.65	1012.62	1012.57	1012.52	1012.49	1012.48	1012.59
	8	1012.47	1012.47	1012.45	1012.45	1012.45	1012.44	1012.43	1012.44	1012.44	1012.42	1012.42	1012.39	1012.44
	9	1012.36	1012.34	1012.32	1012.30	1012.28	1012.26	1012.25	1012.23	1012.23	1012.27	1012.29	1012.26	1012.28
	10	1012.22	1012.18	1012.13	1012.09	1012.06	1012.04	1011.99	1011.92	1011.87	1011.82	1011.76	1011.69	1011.98
	11	1011.62	1011.54	1011.50	1011.49	1011.50	1011.52	1011.54	1011.53	1011.47	1011.42	1011.42	1011.40	1011.50
	12	1011.38	1011.37	1011.38	1011.38	1011.37	1011.40	1011.44	1011.46	1011.47	1011.48	1011.49	1011.46	1011.42
	13	1011.44	1011.41	1011.37	1011.34	1011.31	1011.30	1011.31	1011.30	1011.29	1011.32	1011.30	1011.26	1011.33
	14	1011.21	1011.17	1011.14	1011.10	1011.07	1011.05	1011.02	1010.95	1010.89	1010.86	1010.84	1010.79	1011.01
	15	1010.73	1010.66	1010.61	1010.57	1010.53	1010.50	1010.44	1010.40	1010.38	1010.37	1010.34	1010.35	1010.49
	16	1010.37	1010.34	1010.31	1010.31	1010.31	1010.33	1010.36	1010.39	1010.41	1010.43	1010.40	1010.37	1010.36
	17	1010.37	1010.39	1010.42	1010.47	1010.50	1010.51	1010.53	1010.53	1010.53	1010.54	1010.58	1010.62	1010.50
	18	1010.64	1010.66	1010.69	1010.70	1010.68	1010.66	1010.69	1010.74	1010.78	1010.82	1010.88	1010.94	1010.74
	19	1010.96	1010.98	1011.03	1011.09	1011.12	1011.18	1011.28	1011.35	1011.38	1011.40	1011.36	1011.27	1011.20
	20	1011.22	1011.20	1011.18	1011.15	1011.12	1011.06	1011.00	1011.04	1011.12	1011.14	1011.18	1011.24	1011.13
	21	1011.26	1011.26	1011.28	1011.28	1011.27	1011.28	1011.28	1011.23	1011.20	1011.21	1011.18	1011.18	1011.24
	22	1011.20	1011.19	1011.18	1011.18	1011.19	1011.19	1011.14	1011.07	1011.03	1011.05	1011.07	1011.08	1011.13
	23	1011.06	1011.02	1011.00	1010.96	1010.87	1010.73	1010.62	1010.54	1010.45	1010.40	1010.38	1010.40	1010.70

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
13	0	1010.34	1010.36	1010.39	1010.42	1010.44	1010.40	1010.32	1010.30	1010.30	1010.27	1010.23	1010.19	1010.33
	1	1010.16	1010.09	1009.92	1009.82	1009.83	1009.91	1009.98	1009.94	1009.85	1009.84	1009.86	1009.82	1009.92
	2	1009.75	1009.72	1009.70	1009.62	1009.57	1009.58	1009.56	1009.54	1009.53	1009.55	1009.54	1009.49	1009.59
	3	1009.47	1009.45	1009.41	1009.45	1009.55	1009.64	1009.65	1009.65	1009.67	1009.71	1009.77	1009.78	1009.60
	4	1009.77	1009.79	1009.79	1009.79	1009.86	1009.89	1009.88	1009.90	1009.91	1009.94	1010.03	1010.09	1009.88
	5	1010.12	1010.16	1010.21	1010.24	1010.23	1010.18	1010.13	1010.15	1010.21	1010.24	1010.28	1010.32	1010.20
	6	1010.31	1010.27	1010.29	1010.35	1010.35	1010.34	1010.35	1010.33	1010.32	1010.32	1010.29	1010.28	1010.31
	7	1010.26	1010.26	1010.27	1010.27	1010.28	1010.31	1010.32	1010.30	1010.23	1010.15	1010.06	1009.94	1010.22
	8	1009.80	1009.63	1009.48	1009.43	1009.48	1009.57	1009.57	1009.52	1009.53	1009.50	1009.46	1009.47	1009.54
	9	1009.51	1009.50	1009.43	1009.44	1009.51	1009.50	1009.52	1009.54	1009.51	1009.48	1009.48	1009.46	1009.49
	10	1009.39	1009.31	1009.23	1009.18	1009.14	1009.05	1009.00	1008.96	1008.88	1008.83	1008.81	1008.75	1009.04
	11	1008.68	1008.64	1008.63	1008.61	1008.54	1008.45	1008.37	1008.29	1008.21	1008.17	1008.13	1008.07	1008.40
	12	1008.02	1008.03	1008.06	1007.97	1007.84	1007.79	1007.79	1007.79	1007.77	1007.71	1007.66	1007.56	1007.83
	13	1007.45	1007.44	1007.39	1007.26	1007.15	1007.14	1007.14	1007.12	1007.17	1007.24	1007.28	1007.26	1007.25
	14	1007.13	1007.03	1007.19	1007.40	1007.43	1007.37	1007.36	1007.36	1007.42	1007.58	1007.74	1007.88	1007.41
	15	1007.95	1007.95	1008.01	1008.09	1008.14	1008.29	1008.43	1008.47	1008.55	1008.60	1008.59	1008.60	1008.30
	16	1008.63	1008.67	1008.69	1008.75	1008.81	1008.82	1008.83	1008.85	1008.87	1008.88	1008.88	1008.90	1008.80
	17	1008.93	1008.95	1008.94	1008.93	1008.93	1008.94	1008.97	1008.92	1008.83	1008.84	1008.90	1008.95	1008.92
	18	1008.98	1008.96	1008.93	1008.95	1008.97	1008.95	1008.95	1008.96	1008.96	1008.97	1008.97	1008.95	1008.96
	19	1008.91	1008.90	1008.93	1009.00	1009.09	1009.16	1009.23	1009.29	1009.32	1009.34	1009.31	1009.28	1009.14
	20	1009.27	1009.28	1009.30	1009.31	1009.30	1009.28	1009.26	1009.26	1009.25	1009.22	1009.20	1009.22	1009.26
	21	1009.22	1009.20	1009.22	1009.26	1009.24	1009.19	1009.14	1009.09	1009.06	1009.06	1009.03	1009.02	1009.14
	22	1009.04	1009.03	1008.98	1008.96	1008.94	1008.90	1008.85	1008.84	1008.88	1008.93	1009.01	1009.05	1008.95
	23	1009.05	1009.06	1009.06	1009.04	1009.01	1009.02	1009.04	1009.05	1009.07	1009.09	1009.09	1009.12	1009.05
14	0	1009.13	1009.14	1009.13	1009.11	1009.10	1009.12	1009.19	1009.23	1009.22	1009.23	1009.25	1009.27	1009.18
	1	1009.27	1009.26	1009.25	1009.23	1009.22	1009.26	1009.26	1009.23	1009.19	1009.13	1009.12	1009.12	1009.21
	2	1009.09	1009.07	1009.11	1009.20	1009.29	1009.36	1009.40	1009.42	1009.40	1009.41	1009.46	1009.48	1009.31
	3	1009.48	1009.48	1009.49	1009.52	1009.55	1009.59	1009.61	1009.61	1009.61	1009.65	1009.65	1009.65	1009.57
	4	1009.69	1009.72	1009.76	1009.74	1009.71	1009.71	1009.74	1009.79	1009.85	1009.87	1009.86	1009.89	1009.78
	5	1009.96	1010.05	1010.08	1010.05	1010.04	1010.06	1010.11	1010.15	1010.18	1010.18	1010.16	1010.22	1010.10
	6	1010.29	1010.33	1010.32	1010.30	1010.30	1010.29	1010.28	1010.27	1010.25	1010.24	1010.24	1010.22	1010.28
	7	1010.23	1010.26	1010.33	1010.37	1010.37	1010.37	1010.37	1010.42	1010.45	1010.46	1010.49	1010.55	1010.39
	8	1010.62	1010.66	1010.65	1010.60	1010.58	1010.58	1010.61	1010.64	1010.68	1010.76	1010.84	1010.88	1010.67
	9	1010.90	1010.99	1011.09	1011.11	1011.12	1011.22	1011.30	1011.32	1011.32	1011.33	1011.37	1011.42	1011.21
	10	1011.49	1011.58	1011.62	1011.62	1011.65	1011.71	1011.71	1011.69	1011.74	1011.77	1011.76	1011.78	1011.67
	11	1011.85	1011.90	1011.92	1011.93	1011.93	1011.90	1011.93	1012.02	1012.09	1012.09	1012.07	1012.07	1011.97
	12	1012.05	1011.99	1011.94	1011.99	1012.05	1012.08	1012.07	1012.07	1012.09	1012.07	1012.07	1012.08	1012.04
	13	1012.07	1012.10	1012.09	1012.05	1012.06	1012.05	1012.08	1012.11	1012.13	1012.18	1012.23	1012.24	1012.11
	14	1012.24	1012.20	1012.17	1012.17	1012.20	1012.24	1012.26	1012.29	1012.32	1012.30	1012.25	1012.27	1012.24
	15	1012.31	1012.29	1012.26	1012.30	1012.36	1012.37	1012.35	1012.34	1012.28	1012.19	1012.14	1012.20	1012.28
	16	1012.30	1012.36	1012.40	1012.39	1012.33	1012.29	1012.30	1012.39	1012.44	1012.45	1012.46	1012.43	1012.38
	17	1012.41	1012.42	1012.48	1012.59	1012.66	1012.64	1012.64	1012.71	1012.79	1012.84	1012.87	1012.89	1012.66
	18	1012.92	1012.95	1012.95	1012.97	1013.03	1013.07	1013.08	1013.10	1013.14	1013.16	1013.17	1013.22	1013.06
	19	1013.27	1013.31	1013.36	1013.38	1013.41	1013.45	1013.50	1013.59	1013.67	1013.72	1013.78	1013.83	1013.52
	20	1013.87	1013.90	1013.94	1014.01	1014.07	1014.06	1014.04	1014.08	1014.15	1014.20	1014.20	1014.19	1014.06
	21	1014.21	1014.25	1014.31	1014.35	1014.38	1014.44	1014.49	1014.53	1014.54	1014.54	1014.61	1014.66	1014.44
	22	1014.68	1014.70	1014.70	1014.73	1014.78	1014.82	1014.83	1014.84	1014.85	1014.86	1014.90	1014.88	1014.80
	23	1014.85	1014.88	1014.88	1014.84	1014.80	1014.76	1014.73	1014.73	1014.77	1014.82	1014.78	1014.75	1014.80

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
15	0	1014.72	1014.75	1014.75	1014.72	1014.72	1014.73	1014.72	1014.68	1014.67	1014.68	1014.64	1014.60	1014.69
	1	1014.59	1014.61	1014.66	1014.69	1014.65	1014.60	1014.56	1014.52	1014.47	1014.44	1014.43	1014.40	1014.55
	2	1014.39	1014.35	1014.31	1014.27	1014.22	1014.22	1014.24	1014.25	1014.23	1014.22	1014.26	1014.26	1014.27
	3	1014.26	1014.27	1014.28	1014.31	1014.28	1014.29	1014.34	1014.35	1014.35	1014.39	1014.42	1014.40	1014.33
	4	1014.37	1014.33	1014.34	1014.35	1014.36	1014.40	1014.43	1014.46	1014.44	1014.43	1014.50	1014.56	1014.41
	5	1014.59	1014.59	1014.59	1014.59	1014.60	1014.61	1014.62	1014.66	1014.67	1014.68	1014.76	1014.82	1014.65
	6	1014.84	1014.85	1014.86	1014.90	1014.95	1015.01	1015.06	1015.07	1015.09	1015.10	1015.11	1015.15	1015.00
	7	1015.16	1015.14	1015.20	1015.28	1015.30	1015.33	1015.37	1015.40	1015.40	1015.37	1015.37	1015.39	1015.31
	8	1015.41	1015.45	1015.45	1015.42	1015.45	1015.43	1015.41	1015.46	1015.49	1015.45	1015.43	1015.42	1015.44
	9	1015.39	1015.33	1015.35	1015.40	1015.43	1015.49	1015.53	1015.51	1015.52	1015.57	1015.62	1015.65	1015.48
	10	1015.67	1015.67	1015.71	1015.73	1015.74	1015.76	1015.75	1015.80	1015.85	1015.85	1015.81	1015.78	1015.76
	11	1015.76	1015.76	1015.76	1015.72	1015.74	1015.78	1015.79	1015.78	1015.78	1015.82	1015.82	1015.83	1015.78
	12	1015.85	1015.84	1015.83	1015.84	1015.84	1015.81	1015.77	1015.77	1015.84	1015.89	1015.86	1015.86	1015.83
	13	1015.87	1015.87	1015.86	1015.83	1015.82	1015.82	1015.79	1015.78	1015.76	1015.71	1015.72	1015.74	1015.80
	14	1015.73	1015.71	1015.67	1015.66	1015.63	1015.57	1015.55	1015.53	1015.50	1015.49	1015.46	1015.41	1015.57
	15	1015.39	1015.38	1015.33	1015.29	1015.28	1015.29	1015.27	1015.24	1015.21	1015.20	1015.19	1015.16	1015.27
	16	1015.14	1015.10	1015.08	1015.08	1015.09	1015.05	1014.99	1014.99	1015.00	1015.00	1015.02	1015.04	1015.05
	17	1015.04	1015.06	1015.10	1015.14	1015.17	1015.17	1015.17	1015.21	1015.27	1015.29	1015.31	1015.31	1015.18
	18	1015.31	1015.38	1015.49	1015.53	1015.50	1015.50	1015.51	1015.51	1015.52	1015.54	1015.59	1015.63	1015.50
	19	1015.64	1015.69	1015.79	1015.84	1015.89	1015.96	1016.00	1016.06	1016.09	1016.11	1016.12	1016.11	1015.94
	20	1016.15	1016.20	1016.21	1016.22	1016.24	1016.25	1016.25	1016.26	1016.28	1016.31	1016.33	1016.36	1016.25
	21	1016.41	1016.45	1016.47	1016.48	1016.51	1016.57	1016.61	1016.64	1016.65	1016.67	1016.68	1016.67	1016.57
	22	1016.69	1016.72	1016.72	1016.70	1016.64	1016.59	1016.61	1016.64	1016.61	1016.60	1016.64	1016.62	1016.65
	23	1016.55	1016.55	1016.55	1016.51	1016.46	1016.50	1016.54	1016.49	1016.43	1016.42	1016.43	1016.43	1016.49
16	0	1016.39	1016.37	1016.35	1016.36	1016.33	1016.27	1016.27	1016.26	1016.22	1016.20	1016.20	1016.19	1016.28
	1	1016.15	1016.14	1016.14	1016.08	1016.00	1015.95	1015.93	1015.89	1015.79	1015.73	1015.74	1015.72	1015.94
	2	1015.67	1015.65	1015.62	1015.55	1015.48	1015.41	1015.38	1015.36	1015.29	1015.20	1015.15	1015.10	1015.40
	3	1015.06	1015.06	1015.06	1015.03	1015.01	1015.00	1015.01	1015.03	1015.02	1014.97	1014.93	1014.93	1015.01
	4	1014.89	1014.87	1014.94	1014.99	1015.01	1015.03	1015.01	1014.99	1014.99	1015.03	1015.08	1015.09	1014.99
	5	1015.10	1015.11	1015.11	1015.11	1015.11	1015.10	1015.11	1015.09	1015.07	1015.10	1015.13	1015.18	1015.11
	6	1015.18	1015.14	1015.15	1015.18	1015.19	1015.18	1015.17	1015.16	1015.15	1015.16	1015.19	1015.19	1015.17
	7	1015.15	1015.13	1015.10	1015.06	1015.05	1015.06	1015.07	1015.04	1015.02	1015.03	1015.01	1014.98	1015.06
	8	1014.97	1014.96	1014.91	1014.87	1014.88	1014.88	1014.88	1014.88	1014.83	1014.78	1014.78	1014.77	1014.86
	9	1014.74	1014.73	1014.71	1014.67	1014.64	1014.58	1014.55	1014.57	1014.55	1014.53	1014.55	1014.58	1014.61
	10	1014.58	1014.54	1014.52	1014.54	1014.55	1014.54	1014.51	1014.45	1014.42	1014.35	1014.27	1014.23	1014.46
	11	1014.19	1014.17	1014.12	1014.09	1014.09	1014.07	1014.05	1014.03	1014.01	1014.01	1014.03	1014.02	1014.07
	12	1013.98	1013.88	1013.76	1013.71	1013.69	1013.64	1013.60	1013.57	1013.50	1013.41	1013.39	1013.36	1013.62
	13	1013.27	1013.22	1013.15	1013.09	1013.03	1012.99	1012.95	1012.90	1012.89	1012.88	1012.91	1012.95	1013.02
	14	1012.95	1012.87	1012.82	1012.79	1012.74	1012.73	1012.70	1012.63	1012.55	1012.49	1012.47	1012.44	1012.68
	15	1012.40	1012.33	1012.26	1012.22	1012.23	1012.19	1012.14	1012.14	1012.12	1012.10	1012.12	1012.13	1012.20
	16	1012.09	1012.05	1012.01	1011.97	1011.96	1012.02	1012.07	1012.09	1012.07	1012.03	1011.99	1011.92	1012.02
	17	1011.84	1011.84	1011.90	1011.91	1011.83	1011.76	1011.73	1011.70	1011.69	1011.73	1011.76	1011.79	1011.79
	18	1011.83	1011.87	1011.91	1011.93	1011.90	1011.91	1011.96	1011.93	1011.91	1011.91	1011.90	1011.92	1011.90
	19	1011.95	1011.98	1012.00	1012.03	1012.08	1012.10	1012.13	1012.17	1012.20	1012.25	1012.28	1012.27	1012.12
	20	1012.24	1012.22	1012.23	1012.20	1012.18	1012.16	1012.12	1012.10	1012.09	1012.08	1012.08	1012.08	1012.15
	21	1012.10	1012.11	1012.11	1012.10	1012.09	1012.07	1012.10	1012.12	1012.11	1012.10	1012.07	1012.04	1012.09
	22	1012.03	1012.00	1011.96	1011.94	1011.91	1011.87	1011.84	1011.85	1011.87	1011.89	1011.91	1011.90	1011.91
	23	1011.89	1011.90	1011.89	1011.84	1011.81	1011.80	1011.77	1011.73	1011.71	1011.69	1011.66	1011.63	1011.78

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1011.60	1011.61	1011.62	1011.62	1011.58	1011.55	1011.52	1011.52	1011.50	1011.48	1011.46	1011.46	1011.54
	1	1011.48	1011.47	1011.43	1011.36	1011.30	1011.28	1011.26	1011.21	1011.14	1011.07	1011.03	1011.02	1011.25
	2	1010.97	1010.93	1010.93	1010.96	1011.00	1011.03	1011.03	1010.99	1010.94	1010.91	1010.92	1010.95	1010.96
	3	1010.96	1010.96	1010.99	1010.98	1010.98	1011.01	1011.03	1011.03	1011.04	1011.08	1011.09	1011.09	1011.02
	4	1011.13	1011.18	1011.19	1011.18	1011.21	1011.23	1011.22	1011.25	1011.32	1011.36	1011.34	1011.32	1011.24
	5	1011.32	1011.30	1011.25	1011.21	1011.21	1011.21	1011.21	1011.22	1011.21	1011.18	1011.21	1011.28	1011.23
	6	1011.28	1011.23	1011.19	1011.14	1011.10	1011.07	1011.04	1011.03	1011.03	1011.06	1011.07	1011.04	1011.10
	7	1011.01	1011.01	1011.00	1010.94	1010.90	1010.87	1010.82	1010.78	1010.73	1010.70	1010.67	1010.66	1010.84
	8	1010.69	1010.70	1010.66	1010.60	1010.54	1010.48	1010.44	1010.43	1010.41	1010.37	1010.33	1010.27	1010.49
	9	1010.23	1010.23	1010.22	1010.16	1010.10	1010.05	1010.02	1010.02	1009.98	1009.97	1009.96	1009.93	1010.07
	10	1009.93	1009.93	1009.89	1009.82	1009.76	1009.73	1009.67	1009.60	1009.56	1009.51	1009.46	1009.43	1009.69
	11	1009.40	1009.34	1009.32	1009.32	1009.31	1009.30	1009.29	1009.24	1009.19	1009.14	1009.06	1009.02	1009.24
	12	1008.98	1008.95	1008.91	1008.88	1008.86	1008.81	1008.75	1008.71	1008.70	1008.69	1008.70	1008.68	1008.80
	13	1008.64	1008.65	1008.67	1008.67	1008.65	1008.67	1008.71	1008.71	1008.70	1008.69	1008.65	1008.63	1008.67
	14	1008.64	1008.63	1008.62	1008.66	1008.66	1008.58	1008.47	1008.44	1008.42	1008.40	1008.40	1008.39	1008.52
	15	1008.37	1008.35	1008.31	1008.25	1008.17	1008.10	1008.05	1007.98	1007.91	1007.89	1007.84	1007.82	1008.08
	16	1007.87	1007.86	1007.80	1007.77	1007.77	1007.74	1007.74	1007.73	1007.71	1007.73	1007.75	1007.74	1007.76
	17	1007.74	1007.71	1007.69	1007.70	1007.70	1007.70	1007.68	1007.66	1007.61	1007.60	1007.64	1007.68	1007.67
	18	1007.71	1007.74	1007.75	1007.74	1007.74	1007.73	1007.71	1007.68	1007.65	1007.66	1007.66	1007.63	1007.70
	19	1007.61	1007.62	1007.65	1007.67	1007.67	1007.65	1007.63	1007.62	1007.61	1007.66	1007.68	1007.65	1007.64
	20	1007.66	1007.70	1007.75	1007.80	1007.85	1007.88	1007.89	1007.89	1007.90	1007.91	1007.89	1007.91	1007.83
	21	1007.93	1007.93	1007.93	1007.91	1007.91	1007.93	1007.94	1007.99	1008.01	1008.05	1008.09	1008.09	1007.97
	22	1008.13	1008.24	1008.32	1008.30	1008.26	1008.21	1008.17	1008.20	1008.28	1008.26	1008.08	1007.94	1008.20
	23	1007.98	1008.04	1008.03	1008.01	1007.99	1007.95	1007.92	1007.96	1008.00	1008.01	1008.02	1008.04	1007.99
18	0	1008.08	1008.05	1007.96	1007.88	1007.88	1007.91	1007.86	1007.76	1007.69	1007.69	1007.73	1007.75	1007.84
	1	1007.71	1007.64	1007.59	1007.56	1007.53	1007.48	1007.42	1007.37	1007.34	1007.32	1007.30	1007.28	1007.46
	2	1007.27	1007.31	1007.32	1007.25	1007.19	1007.13	1007.11	1007.11	1007.09	1007.07	1007.01	1006.95	1007.15
	3	1006.92	1006.92	1006.91	1006.90	1006.90	1006.90	1006.92	1006.94	1006.92	1006.89	1006.85	1006.80	1006.90
	4	1006.77	1006.78	1006.77	1006.78	1006.82	1006.85	1006.91	1006.94	1006.94	1006.95	1006.99	1007.03	1006.88
	5	1007.06	1007.08	1007.06	1007.05	1007.03	1007.02	1007.06	1007.14	1007.17	1007.19	1007.23	1007.22	1007.11
	6	1007.22	1007.29	1007.33	1007.32	1007.36	1007.43	1007.43	1007.38	1007.36	1007.35	1007.35	1007.36	1007.35
	7	1007.35	1007.30	1007.28	1007.27	1007.29	1007.34	1007.35	1007.35	1007.35	1007.34	1007.34	1007.33	1007.32
	8	1007.30	1007.30	1007.30	1007.30	1007.33	1007.37	1007.43	1007.47	1007.47	1007.52	1007.55	1007.52	1007.40
	9	1007.55	1007.57	1007.54	1007.50	1007.45	1007.40	1007.37	1007.36	1007.34	1007.32	1007.35	1007.36	1007.42
	10	1007.38	1007.40	1007.39	1007.37	1007.36	1007.38	1007.36	1007.34	1007.38	1007.41	1007.44	1007.44	1007.39
	11	1007.42	1007.43	1007.43	1007.44	1007.44	1007.41	1007.38	1007.35	1007.30	1007.27	1007.24	1007.17	1007.35
	12	1007.13	1007.11	1007.05	1007.05	1007.13	1007.16	1007.15	1007.18	1007.17	1007.16	1007.20	1007.19	1007.14
	13	1007.16	1007.17	1007.21	1007.21	1007.18	1007.18	1007.22	1007.27	1007.26	1007.26	1007.27	1007.28	1007.22
	14	1007.28	1007.30	1007.31	1007.29	1007.25	1007.24	1007.20	1007.17	1007.15	1007.11	1007.11	1007.14	1007.21
	15	1007.16	1007.13	1007.10	1007.07	1007.02	1007.01	1007.04	1007.09	1007.16	1007.15	1007.12	1007.10	1007.09
	16	1007.06	1007.01	1007.00	1007.00	1006.98	1006.95	1006.93	1006.93	1006.93	1006.95	1006.97	1007.01	1006.97
	17	1007.05	1007.09	1007.10	1007.10	1007.13	1007.12	1007.11	1007.11	1007.10	1007.14	1007.17	1007.18	1007.11
	18	1007.18	1007.17	1007.13	1007.09	1007.09	1007.08	1007.05	1007.00	1006.96	1006.95	1006.93	1006.93	1007.04
	19	1006.96	1006.97	1006.99	1007.03	1007.08	1007.18	1007.31	1007.37	1007.40	1007.44	1007.45	1007.46	1007.22
	20	1007.48	1007.45	1007.43	1007.45	1007.51	1007.54	1007.51	1007.48	1007.44	1007.43	1007.43	1007.41	1007.46
	21	1007.38	1007.37	1007.37	1007.35	1007.28	1007.24	1007.26	1007.30	1007.30	1007.27	1007.26	1007.24	1007.30
	22	1007.23	1007.25	1007.27	1007.28	1007.28	1007.26	1007.23	1007.19	1007.16	1007.13	1007.13	1007.13	1007.21
	23	1007.09	1007.04	1007.04	1007.03	1007.01	1007.00	1007.00	1006.97	1006.94	1006.90	1006.87	1006.85	1006.98

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1006.85	1006.83	1006.82	1006.81	1006.80	1006.80	1006.80	1006.83	1006.84	1006.81	1006.77	1006.76	1006.81
	1	1006.75	1006.75	1006.75	1006.75	1006.75	1006.76	1006.76	1006.74	1006.72	1006.75	1006.76	1006.73	1006.74
	2	1006.71	1006.69	1006.66	1006.65	1006.63	1006.61	1006.61	1006.62	1006.61	1006.60	1006.59	1006.58	1006.63
	3	1006.55	1006.50	1006.46	1006.46	1006.53	1006.62	1006.67	1006.72	1006.77	1006.78	1006.78	1006.81	1006.64
	4	1006.85	1006.85	1006.83	1006.84	1006.86	1006.89	1006.89	1006.89	1006.90	1006.92	1006.97	1007.01	1006.89
	5	1007.02	1007.02	1007.03	1007.03	1007.06	1007.06	1007.02	1007.02	1007.06	1007.12	1007.14	1007.08	1007.05
	6	1007.03	1007.03	1007.05	1007.08	1007.06	1007.04	1007.03	1007.06	1007.09	1007.10	1007.12	1007.14	1007.07
	7	1007.13	1007.13	1007.12	1007.06	1007.03	1006.97	1006.94	1006.96	1006.97	1007.00	1007.00	1006.98	1007.02
	8	1006.98	1006.94	1006.87	1006.85	1006.84	1006.82	1006.80	1006.75	1006.72	1006.71	1006.70	1006.66	1006.80
	9	1006.61	1006.59	1006.56	1006.54	1006.54	1006.55	1006.57	1006.58	1006.60	1006.58	1006.57	1006.61	1006.57
	10	1006.65	1006.66	1006.63	1006.66	1006.70	1006.67	1006.65	1006.68	1006.70	1006.75	1006.72	1006.64	1006.67
	11	1006.55	1006.51	1006.52	1006.44	1006.34	1006.28	1006.29	1006.35	1006.34	1006.28	1006.23	1006.25	1006.36
	12	1006.31	1006.30	1006.31	1006.39	1006.46	1006.50	1006.47	1006.41	1006.37	1006.40	1006.47	1006.46	1006.40
	13	1006.42	1006.42	1006.45	1006.34	1006.26	1006.26	1006.23	1006.19	1006.13	1006.10	1006.08	1006.07	1006.24
	14	1006.10	1006.12	1006.07	1006.03	1006.07	1006.11	1006.09	1006.02	1005.93	1005.91	1005.90	1005.91	1006.02
	15	1005.93	1005.89	1005.83	1005.74	1005.74	1005.82	1005.84	1005.79	1005.70	1005.63	1005.60	1005.58	1005.75
	16	1005.61	1005.64	1005.61	1005.56	1005.54	1005.58	1005.63	1005.64	1005.63	1005.68	1005.80	1005.91	1005.65
	17	1006.03	1006.05	1005.95	1005.82	1005.70	1005.65	1005.73	1005.81	1005.83	1005.85	1005.88	1005.81	1005.84
	18	1005.74	1005.83	1005.97	1005.97	1005.93	1005.88	1005.71	1005.51	1005.37	1005.27	1005.26	1005.34	1005.65
	19	1005.23	1005.02	1005.01	1005.11	1005.10	1005.05	1005.13	1005.27	1005.21	1005.17	1005.10	1004.87	1005.10
	20	1004.76	1004.64	1004.34	1004.21	1004.43	1004.66	1004.79	1004.75	1004.72	1004.86	1004.88	1004.82	1004.65
	21	1004.84	1004.85	1004.88	1004.94	1004.96	1004.99	1005.02	1005.04	1005.06	1005.06	1005.08	1005.04	1004.98
	22	1005.00	1005.01	1005.03	1005.04	1005.10	1005.18	1005.32	1005.38	1005.37	1005.37	1005.34	1005.37	1005.21
	23	1005.38	1005.38	1005.37	1005.37	1005.32	1005.26	1005.27	1005.31	1005.28	1005.22	1005.27	1005.34	1005.31
20	0	1005.53	1005.55	1005.54	1005.50	1005.51	1005.54	1005.61	1005.64	1005.59	1005.50	1005.45	1005.42	1005.53
	1	1005.38	1005.41	1005.46	1005.42	1005.37	1005.29	1005.13	1005.02	1005.03	1005.05	1005.05	1005.06	1005.22
	2	1005.09	1005.06	1005.04	1004.96	1004.80	1004.69	1004.64	1004.63	1004.62	1004.64	1004.62	1004.54	1004.78
	3	1004.48	1004.46	1004.41	1004.29	1004.25	1004.26	1004.22	1004.18	1004.14	1004.11	1004.18	1004.31	1004.27
	4	1004.41	1004.46	1004.51	1004.50	1004.48	1004.48	1004.46	1004.44	1004.44	1004.48	1004.53	1004.54	1004.48
	5	1004.54	1004.54	1004.54	1004.62	1004.72	1004.71	1004.67	1004.67	1004.71	1004.78	1004.82	1004.81	1004.68
	6	1004.84	1004.88	1004.92	1004.99	1005.01	1004.98	1005.00	1005.03	1005.04	1005.05	1005.07	1005.07	1004.99
	7	1005.13	1005.18	1005.15	1005.17	1005.20	1005.19	1005.24	1005.29	1005.32	1005.33	1005.32	1005.32	1005.24
	8	1005.35	1005.38	1005.37	1005.38	1005.41	1005.45	1005.51	1005.52	1005.52	1005.52	1005.53	1005.58	1005.46
	9	1005.66	1005.72	1005.78	1005.83	1005.88	1005.91	1005.93	1005.94	1006.00	1006.05	1006.10	1006.17	1005.91
	10	1006.20	1006.25	1006.32	1006.38	1006.42	1006.43	1006.44	1006.44	1006.44	1006.45	1006.45	1006.48	1006.39
	11	1006.48	1006.46	1006.46	1006.47	1006.46	1006.44	1006.42	1006.41	1006.42	1006.42	1006.45	1006.47	1006.44
	12	1006.40	1006.33	1006.34	1006.35	1006.36	1006.40	1006.45	1006.46	1006.39	1006.34	1006.34	1006.38	1006.38
	13	1006.46	1006.53	1006.54	1006.53	1006.55	1006.62	1006.72	1006.74	1006.73	1006.71	1006.69	1006.69	1006.62
	14	1006.70	1006.71	1006.68	1006.63	1006.60	1006.61	1006.62	1006.61	1006.59	1006.62	1006.66	1006.63	1006.64
	15	1006.53	1006.44	1006.44	1006.50	1006.50	1006.43	1006.38	1006.38	1006.38	1006.41	1006.37	1006.30	1006.42
	16	1006.27	1006.29	1006.33	1006.39	1006.46	1006.50	1006.51	1006.50	1006.49	1006.48	1006.47	1006.48	1006.43
	17	1006.51	1006.57	1006.62	1006.62	1006.64	1006.66	1006.67	1006.69	1006.71	1006.72	1006.71	1006.70	1006.65
	18	1006.71	1006.73	1006.78	1006.84	1006.87	1006.87	1006.88	1006.92	1006.95	1006.96	1006.97	1007.00	1006.87
	19	1007.05	1007.11	1007.19	1007.26	1007.32	1007.36	1007.41	1007.48	1007.57	1007.62	1007.63	1007.67	1007.39
	20	1007.75	1007.85	1007.96	1008.05	1008.11	1008.15	1008.18	1008.23	1008.25	1008.26	1008.31	1008.37	1008.12
	21	1008.42	1008.47	1008.52	1008.53	1008.54	1008.55	1008.55	1008.57	1008.57	1008.59	1008.61	1008.63	1008.54
	22	1008.68	1008.71	1008.70	1008.68	1008.64	1008.65	1008.68	1008.69	1008.69	1008.67	1008.64	1008.62	1008.67
	23	1008.62	1008.57	1008.52	1008.50	1008.50	1008.48	1008.44	1008.43	1008.42	1008.37	1008.35	1008.40	1008.47

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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
21	0	1008.42	1008.40	1008.38	1008.34	1008.29	1008.27	1008.28	1008.26	1008.18	1008.10	1008.09	1008.11	1008.25
	1	1008.09	1008.05	1008.02	1008.02	1008.03	1008.01	1007.96	1007.91	1007.88	1007.88	1007.87	1007.82	1007.96
	2	1007.74	1007.71	1007.69	1007.67	1007.69	1007.72	1007.74	1007.72	1007.70	1007.70	1007.73	1007.74	1007.71
	3	1007.75	1007.75	1007.76	1007.77	1007.78	1007.76	1007.76	1007.80	1007.83	1007.87	1007.93	1007.95	1007.81
	4	1007.96	1007.96	1007.96	1007.95	1007.93	1007.92	1007.95	1007.96	1007.94	1007.89	1007.84	1007.81	1007.92
	5	1007.82	1007.84	1007.83	1007.85	1007.90	1007.93	1007.95	1007.97	1008.02	1008.09	1008.16	1008.18	1007.96
	6	1008.20	1008.23	1008.26	1008.31	1008.33	1008.33	1008.34	1008.39	1008.43	1008.44	1008.47	1008.52	1008.35
	7	1008.52	1008.51	1008.54	1008.57	1008.55	1008.54	1008.54	1008.52	1008.51	1008.49	1008.47	1008.46	1008.52
	8	1008.44	1008.42	1008.42	1008.43	1008.46	1008.46	1008.45	1008.42	1008.39	1008.36	1008.31	1008.28	1008.40
	9	1008.27	1008.30	1008.32	1008.33	1008.39	1008.43	1008.45	1008.48	1008.51	1008.50	1008.47	1008.45	1008.41
	10	1008.42	1008.41	1008.43	1008.44	1008.40	1008.39	1008.42	1008.40	1008.37	1008.35	1008.35	1008.35	1008.39
	11	1008.33	1008.33	1008.32	1008.28	1008.26	1008.30	1008.34	1008.32	1008.29	1008.28	1008.28	1008.31	1008.30
	12	1008.35	1008.38	1008.38	1008.40	1008.41	1008.42	1008.43	1008.41	1008.37	1008.33	1008.30	1008.32	1008.38
	13	1008.36	1008.41	1008.46	1008.47	1008.46	1008.45	1008.41	1008.36	1008.32	1008.30	1008.26	1008.22	1008.37
	14	1008.17	1008.11	1008.06	1008.02	1008.00	1007.99	1007.98	1007.98	1007.97	1007.97	1007.96	1007.98	1008.01
	15	1007.97	1007.96	1007.97	1007.99	1008.03	1008.00	1007.93	1007.94	1007.94	1007.94	1007.95	1007.96	1007.96
	16	1007.95	1007.93	1007.93	1007.93	1007.92	1007.93	1007.95	1007.96	1007.94	1007.93	1007.93	1007.91	1007.93
	17	1007.91	1007.91	1007.91	1007.91	1007.92	1007.94	1007.99	1008.02	1008.04	1008.06	1008.07	1008.07	1007.98
	18	1008.07	1008.09	1008.11	1008.11	1008.15	1008.20	1008.22	1008.23	1008.24	1008.25	1008.30	1008.38	1008.20
	19	1008.41	1008.41	1008.42	1008.45	1008.48	1008.54	1008.60	1008.68	1008.75	1008.80	1008.85	1008.90	1008.61
	20	1008.96	1009.00	1009.01	1009.04	1009.08	1009.07	1009.10	1009.15	1009.17	1009.12	1009.10	1009.17	1009.08
	21	1009.23	1009.26	1009.28	1009.27	1009.24	1009.23	1009.26	1009.28	1009.29	1009.32	1009.34	1009.31	1009.28
	22	1009.30	1009.31	1009.35	1009.36	1009.34	1009.33	1009.31	1009.27	1009.24	1009.20	1009.13	1009.08	1009.27
	23	1009.04	1009.03	1009.04	1009.03	1008.98	1008.94	1008.88	1008.82	1008.80	1008.80	1008.80	1008.78	1008.91
22	0	1008.69	1008.67	1008.63	1008.60	1008.60	1008.62	1008.59	1008.55	1008.50	1008.43	1008.38	1008.36	1008.54
	1	1008.33	1008.31	1008.27	1008.23	1008.22	1008.23	1008.23	1008.19	1008.17	1008.18	1008.17	1008.14	1008.22
	2	1008.12	1008.10	1008.06	1008.05	1008.03	1007.99	1007.98	1007.96	1007.94	1007.93	1007.93	1007.93	1008.00
	3	1007.94	1007.96	1007.98	1007.99	1008.00	1008.02	1008.06	1008.12	1008.15	1008.17	1008.19	1008.20	1008.06
	4	1008.20	1008.21	1008.19	1008.19	1008.20	1008.21	1008.21	1008.24	1008.30	1008.33	1008.33	1008.31	1008.24
	5	1008.28	1008.27	1008.25	1008.21	1008.19	1008.21	1008.24	1008.29	1008.36	1008.41	1008.44	1008.48	1008.30
	6	1008.55	1008.63	1008.68	1008.71	1008.74	1008.74	1008.72	1008.67	1008.66	1008.68	1008.68	1008.67	1008.68
	7	1008.67	1008.67	1008.66	1008.65	1008.65	1008.66	1008.66	1008.68	1008.70	1008.74	1008.77	1008.79	1008.69
	8	1008.84	1008.87	1008.87	1008.88	1008.93	1008.99	1009.02	1009.02	1009.00	1008.94	1008.88	1008.86	1008.92
	9	1008.85	1008.87	1008.90	1008.89	1008.86	1008.84	1008.85	1008.86	1008.87	1008.87	1008.88	1008.95	1008.87
	10	1009.00	1009.03	1009.06	1009.08	1009.10	1009.15	1009.18	1009.18	1009.20	1009.22	1009.24	1009.26	1009.14
	11	1009.28	1009.28	1009.28	1009.28	1009.29	1009.31	1009.30	1009.26	1009.24	1009.19	1009.14	1009.14	1009.25
	12	1009.17	1009.16	1009.13	1009.12	1009.13	1009.16	1009.19	1009.21	1009.25	1009.29	1009.30	1009.29	1009.20
	13	1009.29	1009.30	1009.31	1009.31	1009.30	1009.28	1009.25	1009.24	1009.28	1009.30	1009.30	1009.28	1009.28
	14	1009.26	1009.26	1009.27	1009.28	1009.25	1009.20	1009.17	1009.17	1009.19	1009.19	1009.17	1009.16	1009.21
	15	1009.12	1009.11	1009.11	1009.09	1009.09	1009.12	1009.14	1009.16	1009.18	1009.14	1009.07	1009.05	1009.11
	16	1009.03	1009.00	1008.98	1008.99	1008.96	1008.88	1008.84	1008.88	1008.96	1009.00	1009.03	1009.11	1008.97
	17	1009.15	1009.11	1009.06	1009.06	1009.09	1009.07	1009.04	1009.03	1009.06	1009.10	1009.12	1009.13	1009.09
	18	1009.18	1009.26	1009.30	1009.22	1009.08	1009.10	1009.21	1009.23	1009.15	1009.01	1009.02	1009.24	1009.17
	19	1009.52	1009.69	1009.61	1009.43	1009.33	1009.31	1009.36	1009.25	1008.97	1008.83	1008.76	1008.84	1009.24
	20	1009.11	1009.22	1009.16	1009.08	1009.13	1009.21	1009.25	1009.37	1009.53	1009.62	1009.57	1009.40	1009.30
	21	1009.41	1009.79	1010.14	1010.34	1010.52	1010.58	1010.42	1010.18	1010.10	1009.94	1009.84	1009.86	1010.09
	22	1009.94	1010.11	1009.93	1009.69	1009.70	1009.70	1009.68	1009.61	1009.50	1009.46	1009.48	1009.46	1009.69
	23	1009.40	1009.49	1009.66	1009.66	1009.67	1009.85	1010.00	1010.03	1010.04	1010.02	1010.02	1010.18	1009.83

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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	1010.30	1010.24	1010.18	1010.21	1010.30	1010.46	1010.62	1010.63	1010.59	1010.61	1010.41	1010.10	1010.39
	1	1009.93	1009.74	1009.06	1008.43	1008.30	1008.06	1008.02	1008.20	1008.19	1008.06	1007.86	1007.68	1008.46
	2	1007.56	1007.49	1007.31	1007.12	1007.22	1007.32	1007.23	1007.23	1007.38	1007.58	1007.65	1007.57	1007.39
	3	1007.45	1007.25	1007.15	1007.01	1006.82	1006.82	1006.91	1006.89	1006.99	1007.21	1007.37	1007.53	1007.11
	4	1007.56	1007.58	1007.66	1007.74	1007.72	1007.68	1007.78	1007.76	1007.72	1007.96	1008.32	1008.47	1007.83
	5	1008.41	1008.38	1008.42	1008.38	1008.23	1008.23	1008.31	1008.37	1008.37	1008.22	1008.09	1008.05	1008.29
	6	1008.07	1008.07	1008.06	1008.02	1007.97	1008.02	1008.01	1007.97	1008.01	1007.90	1007.86	1007.98	1007.99
	7	1007.97	1007.95	1007.96	1007.91	1007.95	1008.00	1007.98	1007.96	1007.94	1007.83	1007.63	1007.57	1007.88
	8	1007.69	1007.71	1007.66	1007.67	1007.71	1007.75	1007.70	1007.43	1007.15	1007.03	1006.98	1006.89	1007.45
	9	1006.75	1006.69	1006.58	1006.45	1006.48	1006.46	1006.44	1006.52	1006.56	1006.53	1006.56	1006.68	1006.56
	10	1006.73	1006.78	1006.89	1007.00	1007.07	1007.08	1007.12	1007.22	1007.39	1007.40	1007.42	1007.47	1007.13
	11	1007.43	1007.45	1007.49	1007.46	1007.38	1007.30	1007.28	1007.35	1007.37	1007.30	1007.33	1007.41	1007.38
	12	1007.46	1007.43	1007.42	1007.47	1007.48	1007.50	1007.51	1007.47	1007.45	1007.42	1007.33	1007.30	1007.43
	13	1007.32	1007.32	1007.32	1007.31	1007.28	1007.21	1007.14	1007.08	1007.02	1006.97	1007.01	1007.03	1007.16
	14	1006.98	1006.99	1007.03	1007.07	1007.06	1007.02	1006.95	1006.91	1006.95	1006.94	1006.90	1006.89	1006.97
	15	1006.89	1006.85	1006.84	1006.92	1006.91	1006.83	1006.77	1006.72	1006.69	1006.69	1006.68	1006.61	1006.78
	16	1006.57	1006.57	1006.57	1006.54	1006.50	1006.51	1006.48	1006.37	1006.29	1006.25	1006.23	1006.27	1006.43
	17	1006.33	1006.34	1006.32	1006.36	1006.43	1006.45	1006.47	1006.48	1006.48	1006.48	1006.47	1006.52	1006.43
	18	1006.60	1006.64	1006.65	1006.62	1006.60	1006.63	1006.66	1006.67	1006.68	1006.72	1006.74	1006.75	1006.66
	19	1006.79	1006.85	1006.90	1006.94	1006.97	1007.00	1007.00	1007.01	1007.07	1007.10	1007.12	1007.13	1006.99
	20	1007.15	1007.15	1007.15	1007.17	1007.20	1007.23	1007.25	1007.24	1007.28	1007.35	1007.40	1007.43	1007.25
	21	1007.41	1007.38	1007.38	1007.39	1007.39	1007.39	1007.40	1007.40	1007.36	1007.33	1007.31	1007.28	1007.37
	22	1007.23	1007.16	1007.07	1006.99	1006.94	1006.88	1006.81	1006.77	1006.73	1006.68	1006.62	1006.55	1006.87
	23	1006.51	1006.47	1006.44	1006.43	1006.38	1006.31	1006.29	1006.25	1006.18	1006.15	1006.14	1006.12	1006.30
24	0	1006.05	1006.02	1005.96	1005.88	1005.77	1005.66	1005.59	1005.53	1005.43	1005.32	1005.24	1005.25	1005.62
	1	1005.32	1005.37	1005.38	1005.31	1005.23	1005.20	1005.14	1005.07	1005.02	1004.95	1004.87	1004.81	1005.14
	2	1004.76	1004.69	1004.61	1004.50	1004.48	1004.47	1004.40	1004.36	1004.39	1004.42	1004.39	1004.34	1004.48
	3	1004.29	1004.24	1004.22	1004.23	1004.23	1004.21	1004.19	1004.19	1004.13	1004.03	1003.98	1003.96	1004.16
	4	1003.96	1003.97	1003.96	1003.97	1004.02	1004.05	1004.07	1004.08	1004.05	1003.99	1003.94	1003.92	1004.00
	5	1003.93	1003.98	1004.01	1004.02	1004.04	1004.04	1004.05	1004.07	1004.11	1004.14	1004.16	1004.19	1004.06
	6	1004.22	1004.24	1004.24	1004.21	1004.17	1004.13	1004.08	1004.07	1004.08	1004.08	1004.05	1004.03	1004.13
	7	1004.04	1004.05	1004.06	1004.07	1004.11	1004.17	1004.20	1004.18	1004.10	1004.04	1004.05	1004.07	1004.09
	8	1004.06	1004.03	1004.00	1004.03	1004.06	1004.06	1004.05	1004.06	1004.05	1004.05	1004.06	1004.07	1004.05
	9	1004.04	1004.02	1004.02	1004.02	1003.97	1003.92	1003.89	1003.89	1003.95	1003.98	1003.97	1003.96	1003.97
	10	1003.97	1004.01	1004.05	1004.03	1004.02	1004.01	1004.00	1003.99	1003.95	1003.92	1003.91	1003.90	1003.98
	11	1003.89	1003.85	1003.77	1003.72	1003.75	1003.75	1003.74	1003.68	1003.57	1003.57	1003.57	1003.56	1003.70
	12	1003.58	1003.50	1003.43	1003.41	1003.38	1003.39	1003.41	1003.41	1003.37	1003.34	1003.28	1003.18	1003.39
	13	1003.11	1003.09	1003.05	1002.99	1003.04	1003.02	1002.97	1003.00	1002.99	1002.99	1003.10	1003.23	1003.05
	14	1003.36	1003.45	1003.47	1003.51	1003.50	1003.49	1003.51	1003.55	1003.56	1003.51	1003.50	1003.51	1003.49
	15	1003.52	1003.53	1003.52	1003.49	1003.48	1003.50	1003.49	1003.46	1003.41	1003.41	1003.46	1003.45	1003.47
	16	1003.41	1003.43	1003.44	1003.39	1003.38	1003.42	1003.46	1003.45	1003.40	1003.39	1003.38	1003.32	1003.40
	17	1003.30	1003.30	1003.29	1003.28	1003.28	1003.31	1003.37	1003.42	1003.47	1003.51	1003.55	1003.59	1003.39
	18	1003.63	1003.68	1003.71	1003.69	1003.67	1003.69	1003.69	1003.71	1003.74	1003.76	1003.79	1003.82	1003.71
	19	1003.86	1003.92	1003.97	1004.02	1004.09	1004.18	1004.25	1004.30	1004.35	1004.40	1004.42	1004.43	1004.18
	20	1004.44	1004.46	1004.48	1004.52	1004.58	1004.63	1004.64	1004.65	1004.68	1004.69	1004.68	1004.71	1004.59
	21	1004.72	1004.72	1004.75	1004.74	1004.72	1004.69	1004.69	1004.70	1004.69	1004.66	1004.64	1004.61	1004.69
	22	1004.58	1004.55	1004.53	1004.54	1004.55	1004.55	1004.57	1004.56	1004.52	1004.48	1004.47	1004.49	1004.53
	23	1004.51	1004.52	1004.52	1004.51	1004.51	1004.53	1004.52	1004.50	1004.47	1004.44	1004.47	1004.48	1004.50



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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
25	0	1004.46	1004.45	1004.43	1004.43	1004.44	1004.48	1004.52	1004.50	1004.47	1004.43	1004.40	1004.41	1004.45
	1	1004.40	1004.40	1004.37	1004.34	1004.32	1004.30	1004.28	1004.25	1004.24	1004.25	1004.23	1004.19	1004.30
	2	1004.15	1004.12	1004.12	1004.16	1004.19	1004.17	1004.20	1004.25	1004.28	1004.28	1004.24	1004.22	1004.20
	3	1004.24	1004.24	1004.23	1004.22	1004.25	1004.30	1004.32	1004.34	1004.35	1004.36	1004.41	1004.48	1004.31
	4	1004.54	1004.58	1004.61	1004.65	1004.68	1004.68	1004.65	1004.67	1004.71	1004.77	1004.84	1004.84	1004.68
	5	1004.84	1004.92	1004.98	1005.02	1005.07	1005.12	1005.19	1005.23	1005.25	1005.25	1005.23	1005.21	1005.11
	6	1005.22	1005.26	1005.25	1005.25	1005.31	1005.37	1005.37	1005.34	1005.33	1005.35	1005.34	1005.32	1005.31
	7	1005.34	1005.37	1005.36	1005.37	1005.38	1005.38	1005.40	1005.42	1005.44	1005.46	1005.46	1005.45	1005.40
	8	1005.43	1005.42	1005.44	1005.42	1005.43	1005.48	1005.49	1005.50	1005.50	1005.49	1005.49	1005.48	1005.46
	9	1005.44	1005.41	1005.41	1005.38	1005.35	1005.34	1005.37	1005.41	1005.36	1005.30	1005.24	1005.19	1005.35
	10	1005.20	1005.19	1005.14	1005.10	1005.06	1005.04	1005.05	1005.07	1005.11	1005.12	1005.08	1005.07	1005.10
	11	1005.10	1005.10	1005.10	1005.12	1005.06	1004.99	1004.97	1004.98	1005.01	1004.96	1004.91	1004.88	1005.01
	12	1004.93	1004.96	1004.93	1004.94	1004.91	1004.95	1005.04	1005.04	1005.01	1004.99	1005.01	1005.02	1004.97
	13	1004.96	1004.97	1005.04	1005.05	1005.02	1005.04	1005.08	1005.06	1005.01	1004.98	1004.96	1004.95	1005.01
	14	1005.00	1005.04	1005.09	1005.13	1005.14	1005.15	1005.17	1005.22	1005.26	1005.26	1005.25	1005.23	1005.16
	15	1005.25	1005.27	1005.27	1005.30	1005.32	1005.34	1005.41	1005.44	1005.43	1005.44	1005.51	1005.60	1005.38
	16	1005.64	1005.62	1005.61	1005.61	1005.62	1005.67	1005.70	1005.70	1005.71	1005.74	1005.79	1005.83	1005.68
	17	1005.83	1005.81	1005.79	1005.78	1005.80	1005.88	1005.99	1006.09	1006.16	1006.21	1006.24	1006.28	1005.99
	18	1006.35	1006.38	1006.38	1006.41	1006.45	1006.47	1006.49	1006.55	1006.60	1006.63	1006.67	1006.73	1006.51
	19	1006.79	1006.86	1006.95	1007.03	1007.09	1007.15	1007.21	1007.27	1007.34	1007.41	1007.48	1007.56	1007.18
	20	1007.62	1007.68	1007.74	1007.78	1007.81	1007.83	1007.85	1007.86	1007.86	1007.86	1007.86	1007.85	1007.80
	21	1007.84	1007.85	1007.91	1007.96	1007.99	1008.01	1008.04	1008.08	1008.14	1008.17	1008.17	1008.18	1008.03
	22	1008.19	1008.17	1008.13	1008.13	1008.15	1008.14	1008.12	1008.14	1008.16	1008.14	1008.17	1008.23	1008.15
	23	1008.25	1008.24	1008.25	1008.29	1008.32	1008.33	1008.32	1008.30	1008.29	1008.28	1008.23	1008.20	1008.27
26	0	1008.21	1008.22	1008.22	1008.21	1008.22	1008.23	1008.25	1008.28	1008.29	1008.28	1008.26	1008.28	1008.24
	1	1008.30	1008.30	1008.31	1008.33	1008.34	1008.37	1008.39	1008.38	1008.34	1008.32	1008.30	1008.28	1008.33
	2	1008.26	1008.24	1008.20	1008.19	1008.21	1008.20	1008.17	1008.14	1008.09	1008.06	1008.06	1008.07	1008.16
	3	1008.10	1008.17	1008.21	1008.22	1008.22	1008.27	1008.31	1008.34	1008.38	1008.41	1008.43	1008.43	1008.29
	4	1008.44	1008.46	1008.48	1008.55	1008.62	1008.68	1008.75	1008.80	1008.82	1008.86	1008.90	1008.92	1008.69
	5	1008.91	1008.93	1009.01	1009.08	1009.15	1009.23	1009.28	1009.30	1009.33	1009.38	1009.46	1009.52	1009.21
	6	1009.57	1009.57	1009.59	1009.66	1009.73	1009.79	1009.85	1009.89	1009.90	1009.91	1009.95	1009.99	1009.78
	7	1010.03	1010.06	1010.10	1010.11	1010.11	1010.14	1010.17	1010.17	1010.17	1010.17	1010.17	1010.18	1010.13
	8	1010.21	1010.23	1010.22	1010.21	1010.25	1010.29	1010.32	1010.35	1010.36	1010.38	1010.39	1010.38	1010.30
	9	1010.40	1010.48	1010.52	1010.53	1010.57	1010.60	1010.65	1010.69	1010.71	1010.71	1010.74	1010.74	1010.61
	10	1010.69	1010.69	1010.72	1010.75	1010.80	1010.80	1010.84	1010.87	1010.88	1010.90	1010.91	1010.97	1010.82
	11	1010.98	1011.02	1011.07	1011.09	1011.13	1011.17	1011.21	1011.25	1011.25	1011.29	1011.35	1011.37	1011.18
	12	1011.32	1011.29	1011.35	1011.38	1011.40	1011.41	1011.39	1011.44	1011.47	1011.46	1011.46	1011.44	1011.40
	13	1011.39	1011.37	1011.35	1011.31	1011.28	1011.30	1011.32	1011.27	1011.24	1011.25	1011.23	1011.27	1011.30
	14	1011.32	1011.35	1011.40	1011.44	1011.46	1011.46	1011.51	1011.56	1011.58	1011.62	1011.66	1011.72	1011.50
	15	1011.79	1011.85	1011.90	1011.97	1011.98	1011.99	1012.05	1012.11	1012.16	1012.20	1012.22	1012.24	1012.04
	16	1012.27	1012.24	1012.21	1012.20	1012.17	1012.20	1012.27	1012.33	1012.40	1012.47	1012.52	1012.56	1012.32
	17	1012.59	1012.60	1012.66	1012.75	1012.83	1012.92	1012.96	1012.95	1012.97	1013.00	1013.04	1013.07	1012.86
	18	1013.11	1013.17	1013.22	1013.20	1013.20	1013.23	1013.27	1013.30	1013.32	1013.37	1013.43	1013.53	1013.28
	19	1013.63	1013.71	1013.78	1013.82	1013.90	1013.96	1013.98	1014.01	1014.05	1014.10	1014.14	1014.15	1013.93
	20	1014.16	1014.19	1014.22	1014.25	1014.28	1014.30	1014.33	1014.38	1014.39	1014.38	1014.38	1014.40	1014.30
	21	1014.46	1014.49	1014.49	1014.48	1014.47	1014.45	1014.43	1014.42	1014.44	1014.45	1014.44	1014.40	1014.45
	22	1014.44	1014.52	1014.53	1014.51	1014.51	1014.48	1014.47	1014.50	1014.50	1014.46	1014.44	1014.45	1014.48
	23	1014.48	1014.55	1014.57	1014.56	1014.58	1014.58	1014.58	1014.58	1014.56	1014.60	1014.62	1014.60	1014.57

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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
27	0	1014.60	1014.61	1014.59	1014.58	1014.61	1014.62	1014.63	1014.66	1014.70	1014.73	1014.76	1014.72	1014.65
	1	1014.66	1014.66	1014.66	1014.63	1014.59	1014.59	1014.64	1014.65	1014.62	1014.63	1014.66	1014.65	1014.63
	2	1014.63	1014.63	1014.64	1014.66	1014.69	1014.70	1014.73	1014.74	1014.73	1014.76	1014.76	1014.77	1014.70
	3	1014.84	1014.88	1014.90	1014.91	1014.92	1014.93	1014.95	1014.94	1014.93	1014.99	1015.05	1015.06	1014.94
	4	1015.03	1014.98	1014.96	1014.98	1015.00	1015.01	1015.04	1015.09	1015.13	1015.13	1015.16	1015.20	1015.06
	5	1015.21	1015.23	1015.27	1015.29	1015.28	1015.27	1015.29	1015.30	1015.34	1015.36	1015.30	1015.31	1015.29
	6	1015.38	1015.41	1015.43	1015.45	1015.49	1015.52	1015.50	1015.48	1015.45	1015.45	1015.50	1015.53	1015.46
	7	1015.55	1015.57	1015.54	1015.50	1015.50	1015.54	1015.63	1015.70	1015.64	1015.59	1015.62	1015.66	1015.58
	8	1015.66	1015.62	1015.56	1015.51	1015.51	1015.50	1015.43	1015.40	1015.40	1015.37	1015.36	1015.30	1015.47
	9	1015.22	1015.21	1015.18	1015.18	1015.18	1015.13	1015.03	1014.99	1015.01	1014.95	1014.86	1014.82	1015.06
	10	1014.86	1014.90	1014.90	1014.88	1014.89	1014.89	1014.88	1014.86	1014.86	1014.88	1014.92	1015.02	1014.89
	11	1015.11	1015.21	1015.31	1015.34	1015.29	1015.21	1015.33	1015.44	1015.32	1015.19	1015.11	1015.08	1015.24
	12	1015.12	1015.29	1015.29	1015.14	1015.05	1014.98	1014.98	1014.98	1014.95	1014.93	1014.91	1014.87	1015.04
	13	1014.81	1014.77	1014.74	1014.71	1014.67	1014.63	1014.60	1014.58	1014.56	1014.50	1014.43	1014.33	1014.61
	14	1014.20	1014.13	1014.10	1014.06	1013.98	1013.91	1013.88	1013.88	1013.86	1013.87	1013.85	1013.76	1013.95
	15	1013.71	1013.64	1013.55	1013.45	1013.37	1013.38	1013.44	1013.49	1013.47	1013.40	1013.32	1013.23	1013.45
	16	1013.19	1013.14	1013.00	1012.86	1012.78	1012.76	1012.69	1012.53	1012.38	1012.26	1012.22	1012.28	1012.67
	17	1012.42	1012.53	1012.50	1012.49	1012.58	1012.57	1012.42	1012.28	1012.24	1012.21	1012.09	1012.02	1012.36
	18	1011.99	1011.88	1011.72	1011.56	1011.43	1011.39	1011.34	1011.11	1011.35	1011.87	1012.08	1012.25	1011.66
	19	1012.35	1012.36	1012.51	1012.73	1012.74	1012.79	1012.91	1013.09	1013.33	1013.42	1013.40	1013.52	1012.93
	20	1013.70	1013.76	1013.69	1013.66	1013.75	1013.75	1013.68	1013.63	1013.60	1013.62	1013.64	1013.68	1013.68
	21	1013.72	1013.72	1013.73	1013.70	1013.63	1013.55	1013.48	1013.44	1013.42	1013.39	1013.43	1013.49	1013.56
	22	1013.56	1013.60	1013.57	1013.55	1013.53	1013.53	1013.54	1013.55	1013.56	1013.51	1013.48	1013.46	1013.53
	23	1013.41	1013.37	1013.35	1013.33	1013.31	1013.30	1013.34	1013.35	1013.35	1013.36	1013.38	1013.41	1013.35
28	0	1013.44	1013.46	1013.49	1013.52	1013.56	1013.57	1013.54	1013.51	1013.49	1013.51	1013.54	1013.58	1013.52
	1	1013.64	1013.68	1013.68	1013.68	1013.69	1013.69	1013.74	1013.79	1013.78	1013.74	1013.70	1013.73	1013.71
	2	1013.76	1013.76	1013.73	1013.68	1013.66	1013.65	1013.64	1013.65	1013.67	1013.70	1013.72	1013.70	1013.69
	3	1013.63	1013.57	1013.57	1013.58	1013.58	1013.58	1013.60	1013.62	1013.61	1013.57	1013.54	1013.54	1013.58
	4	1013.54	1013.57	1013.61	1013.61	1013.60	1013.60	1013.63	1013.67	1013.69	1013.71	1013.72	1013.73	1013.64
	5	1013.79	1013.81	1013.79	1013.77	1013.77	1013.78	1013.77	1013.78	1013.79	1013.80	1013.80	1013.80	1013.78
	6	1013.82	1013.83	1013.84	1013.85	1013.85	1013.83	1013.82	1013.80	1013.81	1013.83	1013.82	1013.82	1013.82
	7	1013.80	1013.80	1013.82	1013.80	1013.78	1013.75	1013.71	1013.69	1013.67	1013.65	1013.62	1013.61	1013.72
	8	1013.62	1013.62	1013.63	1013.62	1013.60	1013.62	1013.64	1013.63	1013.60	1013.58	1013.56	1013.55	1013.60
	9	1013.54	1013.53	1013.53	1013.53	1013.54	1013.55	1013.54	1013.51	1013.46	1013.43	1013.42	1013.38	1013.50
	10	1013.30	1013.24	1013.21	1013.21	1013.18	1013.12	1013.07	1013.05	1013.02	1013.00	1012.98	1012.96	1013.11
	11	1012.95	1012.93	1012.92	1012.89	1012.87	1012.82	1012.78	1012.75	1012.75	1012.78	1012.74	1012.63	1012.82
	12	1012.59	1012.57	1012.52	1012.47	1012.44	1012.38	1012.30	1012.24	1012.23	1012.23	1012.13	1012.02	1012.34
	13	1012.01	1011.98	1011.94	1011.93	1011.93	1011.95	1011.99	1012.01	1011.97	1011.98	1012.02	1012.02	1011.97
	14	1012.03	1012.04	1012.04	1012.05	1012.09	1012.07	1012.03	1012.06	1012.05	1012.04	1012.01	1012.02	1012.04
	15	1012.03	1011.98	1011.95	1011.92	1011.89	1011.87	1011.81	1011.72	1011.69	1011.69	1011.64	1011.57	1011.81
	16	1011.50	1011.50	1011.56	1011.58	1011.58	1011.59	1011.58	1011.58	1011.60	1011.63	1011.65	1011.65	1011.58
	17	1011.61	1011.60	1011.60	1011.64	1011.71	1011.74	1011.76	1011.82	1011.87	1011.88	1011.86	1011.82	1011.74
	18	1011.84	1011.90	1012.02	1012.10	1012.13	1012.14	1012.14	1012.13	1012.14	1012.13	1012.14	1012.20	1012.08
	19	1012.23	1012.23	1012.24	1012.26	1012.31	1012.38	1012.45	1012.49	1012.50	1012.52	1012.55	1012.60	1012.39
	20	1012.65	1012.72	1012.77	1012.80	1012.80	1012.80	1012.86	1012.87	1012.84	1012.84	1012.89	1012.97	1012.82
	21	1013.03	1013.03	1013.03	1013.02	1013.00	1012.99	1012.95	1012.90	1012.90	1012.93	1012.91	1012.87	1012.96
	22	1012.85	1012.84	1012.86	1012.87	1012.86	1012.86	1012.82	1012.76	1012.70	1012.64	1012.64	1012.67	1012.78
	23	1012.66	1012.64	1012.61	1012.55	1012.51	1012.47	1012.45	1012.42	1012.38	1012.37	1012.37	1012.35	1012.48

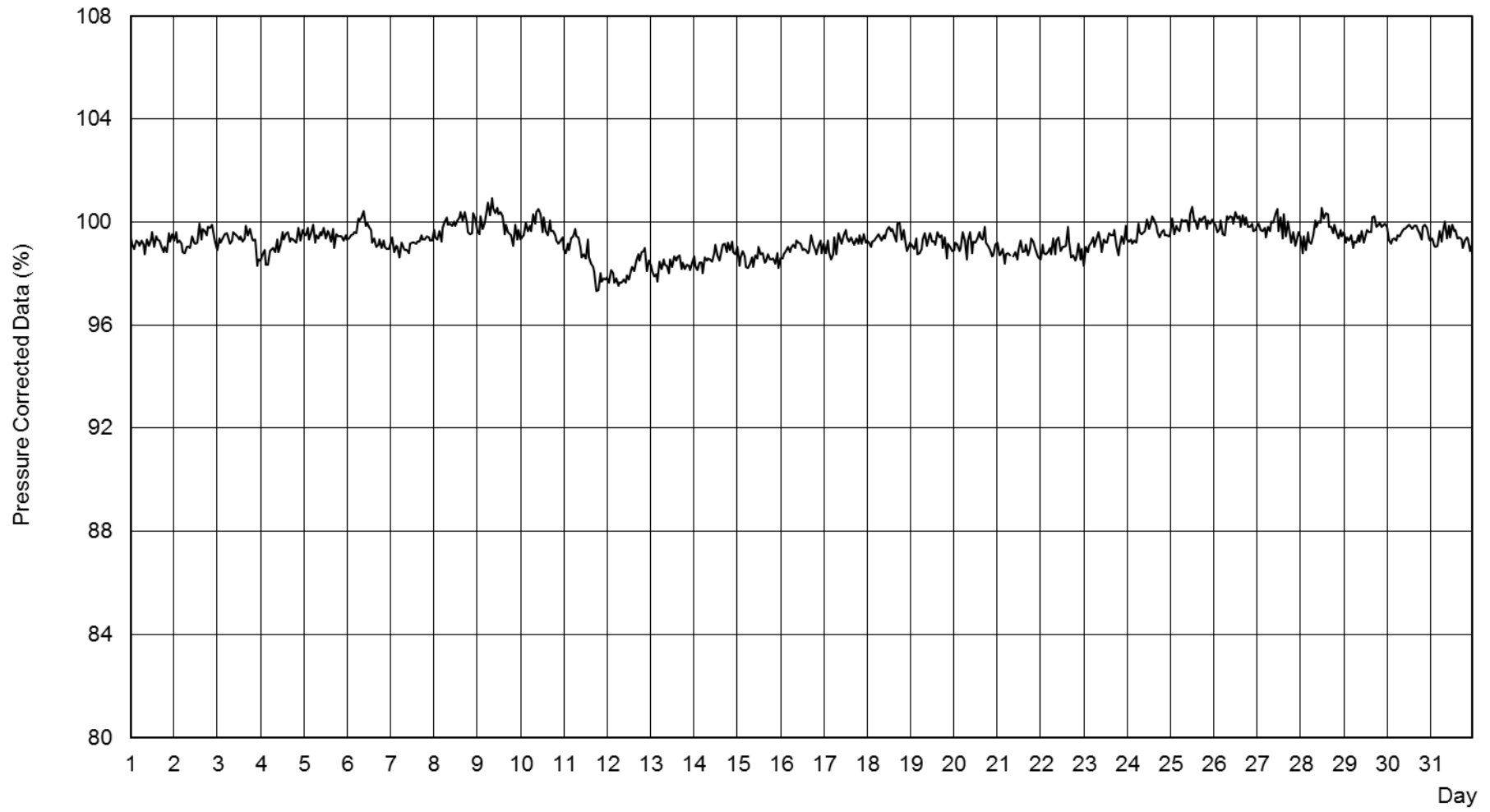
S.V.I.R.CO. Observatory - Pressure in hectoPascal – July 2011

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	1012.24	1012.22	1012.18	1012.13	1012.07	1012.02	1011.96	1011.91	1011.91	1011.93	1011.97	1011.98	1012.03
	1	1011.98	1011.97	1012.00	1012.05	1012.06	1012.06	1012.07	1012.07	1012.09	1012.13	1012.15	1012.18	1012.06
	2	1012.18	1012.13	1012.12	1012.12	1012.10	1012.07	1012.02	1012.02	1012.04	1011.99	1011.90	1011.88	1012.04
	3	1011.85	1011.77	1011.69	1011.61	1011.54	1011.52	1011.49	1011.48	1011.50	1011.44	1011.37	1011.33	1011.55
	4	1011.31	1011.34	1011.37	1011.37	1011.36	1011.37	1011.38	1011.41	1011.47	1011.49	1011.46	1011.44	1011.39
	5	1011.45	1011.48	1011.49	1011.48	1011.46	1011.45	1011.46	1011.46	1011.46	1011.49	1011.52	1011.56	1011.48
	6	1011.58	1011.60	1011.63	1011.67	1011.70	1011.74	1011.78	1011.79	1011.78	1011.78	1011.78	1011.78	1011.71
	7	1011.80	1011.82	1011.81	1011.80	1011.80	1011.80	1011.82	1011.85	1011.85	1011.84	1011.83	1011.84	1011.82
	8	1011.86	1011.84	1011.81	1011.80	1011.81	1011.83	1011.84	1011.85	1011.87	1011.87	1011.86	1011.83	1011.84
	9	1011.80	1011.77	1011.78	1011.76	1011.72	1011.71	1011.69	1011.66	1011.65	1011.62	1011.59	1011.58	1011.69
	10	1011.53	1011.49	1011.48	1011.48	1011.49	1011.48	1011.49	1011.46	1011.40	1011.40	1011.37	1011.30	1011.44
	11	1011.24	1011.20	1011.17	1011.13	1011.09	1011.08	1011.07	1011.06	1011.04	1011.00	1010.98	1010.96	1011.08
	12	1010.94	1010.95	1010.92	1010.92	1010.94	1010.92	1010.91	1010.94	1010.96	1010.97	1010.92	1010.90	1010.93
	13	1010.90	1010.87	1010.86	1010.84	1010.78	1010.74	1010.74	1010.73	1010.71	1010.68	1010.67	1010.65	1010.76
	14	1010.64	1010.62	1010.59	1010.56	1010.53	1010.56	1010.56	1010.53	1010.51	1010.47	1010.42	1010.38	1010.53
	15	1010.34	1010.29	1010.24	1010.25	1010.25	1010.26	1010.30	1010.29	1010.26	1010.27	1010.31	1010.37	1010.28
	16	1010.42	1010.41	1010.44	1010.46	1010.45	1010.50	1010.51	1010.53	1010.53	1010.54	1010.51	1010.43	1010.47
	17	1010.34	1010.24	1010.12	1010.04	1010.09	1010.17	1010.23	1010.33	1010.39	1010.40	1010.39	1010.38	1010.26
	18	1010.41	1010.48	1010.53	1010.58	1010.62	1010.67	1010.74	1010.77	1010.77	1010.78	1010.80	1010.83	1010.66
	19	1010.87	1010.92	1010.96	1010.99	1011.03	1011.10	1011.14	1011.16	1011.18	1011.21	1011.22	1011.25	1011.08
	20	1011.31	1011.34	1011.37	1011.42	1011.43	1011.41	1011.45	1011.52	1011.56	1011.58	1011.61	1011.66	1011.47
	21	1011.67	1011.65	1011.62	1011.61	1011.64	1011.67	1011.69	1011.70	1011.74	1011.84	1011.92	1011.98	1011.72
	22	1012.01	1012.04	1012.08	1012.13	1012.16	1012.14	1012.11	1012.10	1012.11	1012.10	1012.08	1012.10	1012.10
	23	1012.12	1012.13	1012.16	1012.18	1012.17	1012.15	1012.12	1012.09	1012.07	1012.03	1012.00	1011.97	1012.10
30	0	1011.93	1011.93	1011.91	1011.88	1011.82	1011.77	1011.73	1011.70	1011.68	1011.69	1011.68	1011.65	1011.77
	1	1011.64	1011.63	1011.61	1011.59	1011.57	1011.55	1011.53	1011.50	1011.46	1011.42	1011.38	1011.34	1011.52
	2	1011.32	1011.33	1011.35	1011.36	1011.36	1011.35	1011.35	1011.39	1011.41	1011.41	1011.39	1011.38	1011.36
	3	1011.37	1011.38	1011.42	1011.45	1011.48	1011.52	1011.55	1011.59	1011.63	1011.66	1011.70	1011.74	1011.54
	4	1011.78	1011.80	1011.78	1011.77	1011.79	1011.81	1011.82	1011.84	1011.85	1011.88	1011.94	1011.94	1011.83
	5	1011.90	1011.90	1011.93	1011.94	1011.95	1011.94	1011.96	1011.99	1012.01	1012.02	1012.04	1012.05	1011.97
	6	1012.07	1012.10	1012.13	1012.16	1012.15	1012.13	1012.16	1012.21	1012.23	1012.24	1012.25	1012.23	1012.17
	7	1012.19	1012.17	1012.18	1012.21	1012.22	1012.21	1012.21	1012.23	1012.24	1012.26	1012.27	1012.28	1012.22
	8	1012.29	1012.26	1012.24	1012.25	1012.24	1012.26	1012.31	1012.29	1012.22	1012.15	1012.12	1012.10	1012.23
	9	1012.06	1012.03	1012.05	1012.07	1012.08	1012.10	1012.11	1012.13	1012.14	1012.11	1012.07	1012.03	1012.08
	10	1012.01	1011.99	1011.97	1011.96	1011.94	1011.91	1011.88	1011.87	1011.87	1011.87	1011.90	1011.91	1011.92
	11	1011.92	1011.95	1011.93	1011.95	1011.99	1011.97	1011.94	1011.90	1011.84	1011.79	1011.78	1011.78	1011.89
	12	1011.74	1011.73	1011.73	1011.71	1011.69	1011.66	1011.60	1011.56	1011.60	1011.68	1011.73	1011.74	1011.68
	13	1011.68	1011.63	1011.55	1011.42	1011.36	1011.38	1011.35	1011.32	1011.39	1011.50	1011.54	1011.55	1011.47
	14	1011.49	1011.40	1011.36	1011.33	1011.27	1011.24	1011.24	1011.21	1011.15	1011.06	1010.99	1010.99	1011.23
	15	1010.96	1010.88	1010.83	1010.83	1010.86	1010.84	1010.79	1010.80	1010.83	1010.85	1010.89	1010.87	1010.85
	16	1010.81	1010.80	1010.81	1010.83	1010.86	1010.85	1010.81	1010.74	1010.69	1010.68	1010.67	1010.62	1010.76
	17	1010.56	1010.53	1010.53	1010.52	1010.50	1010.49	1010.46	1010.47	1010.50	1010.51	1010.51	1010.51	1010.51
	18	1010.51	1010.54	1010.59	1010.63	1010.68	1010.68	1010.69	1010.73	1010.75	1010.74	1010.74	1010.75	1010.67
	19	1010.77	1010.83	1010.91	1010.95	1010.96	1010.99	1011.03	1011.07	1011.13	1011.16	1011.17	1011.19	1011.01
	20	1011.19	1011.20	1011.23	1011.27	1011.31	1011.34	1011.42	1011.48	1011.49	1011.46	1011.44	1011.44	1011.35
	21	1011.43	1011.46	1011.47	1011.44	1011.45	1011.48	1011.51	1011.53	1011.53	1011.55	1011.58	1011.64	1011.50
	22	1011.71	1011.68	1011.62	1011.62	1011.62	1011.64	1011.67	1011.67	1011.63	1011.58	1011.60	1011.67	1011.64
	23	1011.70	1011.67	1011.61	1011.59	1011.56	1011.55	1011.55	1011.52	1011.51	1011.51	1011.51	1011.53	1011.56

S.V.I.R.CO. Observatory - Pressure in hectoPascal – July 2011

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	1011.52	1011.53	1011.51	1011.46	1011.39	1011.33	1011.30	1011.25	1011.20	1011.15	1011.10	1011.06	1011.30
	1	1011.03	1011.05	1011.09	1011.13	1011.13	1011.10	1011.03	1010.98	1010.93	1010.88	1010.84	1010.79	1011.00
	2	1010.77	1010.76	1010.77	1010.78	1010.77	1010.75	1010.73	1010.74	1010.73	1010.71	1010.72	1010.74	1010.74
	3	1010.73	1010.71	1010.73	1010.74	1010.76	1010.79	1010.81	1010.80	1010.77	1010.76	1010.74	1010.72	1010.75
	4	1010.71	1010.68	1010.66	1010.66	1010.65	1010.64	1010.63	1010.62	1010.60	1010.57	1010.52	1010.51	1010.62
	5	1010.50	1010.46	1010.44	1010.44	1010.43	1010.43	1010.48	1010.52	1010.54	1010.57	1010.62	1010.66	1010.51
	6	1010.67	1010.67	1010.69	1010.70	1010.72	1010.74	1010.75	1010.77	1010.79	1010.82	1010.86	1010.89	1010.75
	7	1010.90	1010.90	1010.89	1010.91	1010.93	1010.96	1010.97	1010.97	1010.98	1010.99	1011.02	1011.03	1010.95
	8	1011.01	1011.01	1011.01	1011.01	1011.01	1011.00	1011.00	1010.99	1010.99	1011.01	1011.01	1011.01	1011.00
	9	1011.03	1011.05	1011.09	1011.10	1011.10	1011.11	1011.12	1011.09	1011.09	1011.11	1011.10	1011.12	1011.09
	10	1011.11	1011.07	1011.07	1011.07	1011.09	1011.14	1011.17	1011.20	1011.16	1011.12	1011.11	1011.07	1011.11
	11	1011.07	1011.06	1011.01	1010.96	1010.95	1010.94	1010.88	1010.88	1010.91	1010.90	1010.89	1010.85	1010.94
	12	1010.81	1010.81	1010.77	1010.74	1010.73	1010.67	1010.63	1010.61	1010.61	1010.63	1010.60	1010.51	1010.68
	13	1010.46	1010.42	1010.41	1010.42	1010.41	1010.39	1010.36	1010.35	1010.35	1010.37	1010.39	1010.33	1010.39
	14	1010.23	1010.16	1010.11	1010.05	1009.97	1009.96	1009.98	1009.91	1009.84	1009.80	1009.79	1009.78	1009.96
	15	1009.76	1009.76	1009.77	1009.76	1009.72	1009.70	1009.64	1009.58	1009.59	1009.57	1009.55	1009.58	1009.66
	16	1009.64	1009.70	1009.71	1009.73	1009.78	1009.80	1009.79	1009.76	1009.74	1009.73	1009.72	1009.72	1009.73
	17	1009.72	1009.71	1009.70	1009.70	1009.73	1009.76	1009.76	1009.74	1009.74	1009.80	1009.86	1009.87	1009.76
	18	1009.87	1009.89	1009.94	1009.99	1010.02	1010.02	1010.04	1010.06	1010.07	1010.09	1010.14	1010.19	1010.02
	19	1010.22	1010.23	1010.31	1010.42	1010.45	1010.46	1010.50	1010.57	1010.65	1010.71	1010.77	1010.83	1010.51
	20	1010.86	1010.87	1010.88	1010.89	1010.91	1010.94	1010.94	1010.94	1010.94	1010.89	1010.86	1010.89	1010.90
	21	1010.92	1010.94	1010.93	1010.91	1010.90	1010.87	1010.86	1010.88	1010.90	1010.92	1010.94	1010.96	1010.91
	22	1010.99	1011.00	1010.99	1010.97	1010.95	1010.96	1010.99	1010.98	1010.99	1011.01	1010.98	1011.00	1010.98
	23	1011.04	1011.04	1011.02	1010.95	1010.90	1010.86	1010.81	1010.80	1010.80	1010.78	1010.78	1010.80	1010.88

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