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SVIRCO Prompt Report: April 2015

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: April 2015

Fabrizio Signoretti and Francesco Re

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Abstract

The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in April 2015 by the Neutron Monitor of SVIRCO-Rome (present geographic position: 41.86° N - 12.47° E; altitude about s.l.), is reported in prompt form together with the barometric pressure data.

SVIRCO OBSERVATORY

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

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

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

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

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

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

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

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

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

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

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

DATA PRESENTATION

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

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

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

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

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

CONDITIONS FOR SVIRCO DATA USE

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

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

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

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

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

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S.V.I.R.CO. Observatory

Rome

Italy



		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	43803	43105	43379	43606	43100	43005	43413	43581	43487	43157	43356	42757	94.185	
	1	43648	43246	43208	43259	43213	43432	43166	43489	43814	43660	43437	43713	94.464	
	2	43891	43385	44055	43349	43518	43165	43548	43474	42850	43370	43224	44053	94.572	
	3	43522	42714	43149	42972	43649	43905	43335	42503	43483	43647	43004	43544	94.128	
	4	43637	43077	43346	43665	43404	43599	43084	43299	43515	43782	43247	43123	94.372	
	5	44130	43369	43755	43641	43394	43833	43318	42943	43863	43610	43804	43902	94.877	
	6	43488	43265	43875	44217	43881	43859	43646	43613	43900	44005	43583	43418	95.093	
	7	43242	43452	44282	43715	43418	43357	43392	43324	43270	43821	43298	43138	94.541	
	8	43768	44021	43163	44348	44399	43998	43740	43531	43980	43869	43468	44041	95.378	
	9	43912	43821	43839	43946	43327	43623	43754	43632	44313	43348	43989	43920	95.214	
	10	43694	43706	43777	43572	43731	43656	43924	43696	43730	44069	44051	44379	95.316	
	11	43571	43156	43264	43513	43696	43881	44089	43266	43634	43551	43766	43363	94.730	
	12	44159	44481	44485	43570	43291	43618	44252	44287	43677	44057	43777	44131	95.642	
	13	43764	44031	43401	43698	43650	43331	43109	44273	43566	44303	44601	43873	95.246	
	14	43613	43994	44750	43860	43941	43763	43782	43969	43616	43570	43653	44081	95.426	
	15	43608	43478	44316	44453	44191	44632	43947	44114	43836	43366	44249	43286	95.586	
	16	44079	44504	44158	43974	43660	43877	44163	44104	44845	44277	44132	44888	96.163	
	17	44347	44268	43700	44392	44368	44544	44245	43673	44241	44384	43864	43987	96.046	
	18	44291	43905	44453	44021	44720	43968	44075	44290	43856	44220	44323	44504	96.157	
	19	44390	44512	44138	44290	44431	44437	43996	44511	44527	44492	44344	44181	96.451	
	20	44235	44093	44279	43676	44365	44149	44174	43884	44043	43716	44345	43896	95.836	
	21	43927	44321	43780	43781	43774	44083	43651	43707	43946	43798	43655	44204	95.432	
	22	43503	44077	43549	44135	44072	43524	43949	43641	43717	44061	43819	44419	95.403	
	23	44583	44422	44086	43739	44053	44467	43378	43497	44236	44248	43746	43700	95.709	
2	0	43772	44422	43816	44204	43663	44151	43279	43365	44078	43396	44217	44041	95.395	
	1	43508	43961	43922	43194	43637	43438	43250	44017	44090	43933	44053	43894	95.119	
	2	43961	43987	44543	44150	43725	44577	43982	44103	44025	43667	43760	43990	95.766	
	3	43855	43331	44335	43998	43629	44408	44516	44111	43810	43422	43909	43995	95.557	
	4	44279	43735	44122	43677	44262	43530	44131	44079	44346	44119	44265	44357	95.844	
	5	44467	43762	44012	44404	44028	44262	44216	43917	44426	43573	44070	44389	95.957	
	6	44245	44259	43683	43674	44204	43684	43627	43810	44389	44215	43372	44433	95.608	
	7	44601	43563	44527	43781	44276	44024	43869	44358	44232	43432	44116	44004	95.823	
	8	44232	43533	44046	44063	44198	43813	44010	44040	44010	43986	44428	44317	95.803	
	9	44243	44047	43830	43540	44807	43834	44031	43771	44445	43877	43961	44019	95.755	
	10	44181	44741	43686	43863	44182	44695	43412	44351	44486	44486	44738	43954	96.184	
	11	44115	44323	43891	43929	44411	44573	43669	43587	43834	43927	44734	44363	95.927	
	12	44174	43850	44224	43484	44456	44066	44459	43772	44461	44513	44315	44356	96.068	
	13	44030	44257	43969	44641	44037	44087	45325	43997	44263	45032	44366	44123	96.429	
	14	44308	44576	44622	43706	43934	43755	43939	44231	44249	44286	44429	43786	96.011	
	15	44297	43901	43878	43756	44471	44296	43566	43789	44100	44344	43695	43671	95.638	
	16	43834	43992	44090	43594	44290	44457	44001	44126	44295	44145	44159	43775	95.818	
	17	44004	44344	43512	43923	44079	43713	44502	44126	43675	43976	44066	44757	95.804	
	18	43710	43825	44282	44289	43730	44080	43899	43809	43404	44013	44099	43759	95.481	
	19	43890	43846	43596	43875	44558	43439	44164	44213	43626	44008	43952	44140	95.556	
	20	43901	44061	43695	44028	43913	44114	44637	44539	43918	44674	44138	44276	96.024	
	21	43928	44500	44241	44177	44030	44227	44437	43835	44302	44116	44038	44883	96.173	
	22	44442	44268	44441	44788	44149	44293	44379	43809	44367	44598	44290	44806	96.520	
	23	43703	44699	44196	44274	44205	44477	44665	44121	43843	43830	43794	43976	96.004	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44080	44225	43263	43851	43813	44176	44091	44001	44141	43776	44321	44267	95.678
	1	43842	43730	44017	43854	44110	43567	44316	44009	44524	43575	44405	44234	95.715
	2	44723	43916	44389	44056	44101	43425	44429	44001	44235	44063	44415	44319	96.057
	3	43623	43973	44731	44204	43983	44155	43686	44053	44028	44207	43706	44259	95.791
	4	44232	43515	43645	44207	44346	44037	44595	44172	44341	44106	43845	43462	95.773
	5	43994	43722	43325	44143	44236	43372	43436	43592	43584	44269	43993	43784	95.219
	6	43878	44415	44149	44028	44151	43988	44211	43749	44891	44171	44574	43956	96.072
	7	45134	44719	43920	44345	44071	43931	44547	44437	44687	44285	44390	43842	96.462
	8	44317	43674	44178	44233	44522	44313	43781	44567	44367	44169	44807	44505	96.303
	9	44416	43973	43986	44681	44451	43877	43462	44251	44571	44612	43597	44720	96.152
	10	44212	44189	44096	44300	44591	44420	44025	44397	44345	44035	44318	44323	96.270
	11	44915	44339	43801	43883	44320	44111	44348	44553	44586	44536	44488	44341	96.446
	12	44803	44434	44658	44022	44031	44543	44125	44291	45052	43969	43928	44543	96.478
	13	44796	44874	44535	44912	44373	44688	45267	44148	44261	44375	44737	44173	96.975
	14	44358	44282	44888	44294	45084	44445	44852	44042	44026	44764	45082	44971	96.965
	15	44853	45123	44148	44678	44536	44886	43931	44696	44385	44676	44395	44996	97.005
	16	44236	44519	44587	44317	44929	44488	44752	43970	44798	44033	43648	44773	96.596
	17	43844	44236	44970	44099	43899	44231	44038	44622	43992	44418	44209	44646	96.262
	18	44265	44325	44021	43932	44039	44688	44152	44371	43783	44430	44204	44378	96.150
	19	44315	44241	43935	44080	44177	44370	43554	44464	44313	44780	43854	44713	96.188
	20	44315	43940	43669	44467	43998	44070	44228	43661	43708	44091	43281	43946	95.568
	21	44034	44280	44539	44133	44434	43602	44255	44117	43891	44079	44149	44337	96.016
	22	44525	44652	44419	44688	44509	43787	44108	44187	44024	44030	44147	43943	96.228
	23	44400	43954	44747	43310	44618	43700	44033	43637	44108	44558	43655	43770	95.770
4	0	44335	43543	43946	43981	43999	43829	44260	44115	44850	44342	44448	44173	96.003
	1	43794	44273	44228	44517	44715	44561	43802	43846	44238	44518	44232	44388	96.245
	2	44447	44375	43690	43927	44418	44402	43773	44726	44230	44701	44660	44583	96.394
	3	44026	44372	44225	44315	44218	44155	44221	44378	44225	44336	44172	44154	96.188
	4	44522	44038	44587	44510	43860	44710	43712	45043	44209	44162	44370	44343	96.417
	5	44709	44599	44606	44202	44142	44266	43980	44041	44110	44242	44571	44069	96.322
	6	44295	44730	44317	44234	44643	44119	44853	44760	44121	44337	44109	44305	96.555
	7	44090	43777	43869	44279	44393	44432	44476	44976	44331	43540	43754	43870	96.005
	8	43634	44285	44083	44422	43368	44494	43870	44025	44153	43817	44130	43987	95.730
	9	44451	44458	44202	44504	44761	44258	44003	44723	43591	43975	44516	43899	96.286
	10	44121	44467	44661	43786	44136	44100	44326	44478	44376	44937	43958	44463	96.372
	11	44444	44393	44651	44336	44220	44902	43992	44601	44575	44442	44861	44586	96.769
	12	43593	43684	44838	44443	44127	44724	44273	44762	44674	44663	44534	44269	96.513
	13	44729	44216	45124	44543	44321	44394	44606	44495	44646	44405	44885	45551	97.116
	14	44666	44129	44357	44405	44489	44447	44387	44708	44199	44513	44667	44568	96.684
	15	44529	44593	44179	44569	43957	44300	44397	43977	44341	44720	44745	44044	96.470
	16	44031	44911	44661	43946	43728	44342	44213	44832	44846	44757	44749	44561	96.692
	17	44826	44554	44910	44507	44814	44466	44617	44451	44103	44109	44272	44833	96.852
	18	44000	44362	44687	44600	44149	44802	44747	44191	44758	44882	44869	45562	97.059
	19	43854	43902	44518	44407	44375	44294	44049	45318	44930	44732	44170	44331	96.566
	20	44396	44793	44117	44537	44339	43830	45116	44308	44594	44311	44718	44836	96.751
	21	43918	44471	44803	44992	44252	44767	45341	44484	44717	43815	44560	44520	96.884
	22	45032	44917	44621	44103	43916	44218	44552	44374	44212	44680	45013	44636	96.819
	23	44487	44642	44333	44248	44367	44427	44724	44489	44253	44618	44051	45067	96.715

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44346	44581	44206	45311	44555	44385	44269	44657	44364	44516	44480	44723	96.831	
	1	44488	44999	44390	44706	45002	44390	44283	44784	44589	44208	44498	44669	96.950	
	2	44463	44443	44913	44967	44420	44509	44155	44522	44811	44617	44189	43852	96.743	
	3	44904	43962	44612	44716	44171	44494	44468	44468	44717	44919	44109	44108	96.705	
	4	44497	44880	44530	44645	44467	44863	44431	44973	44508	44150	44918	44549	97.024	
	5	44721	43640	44094	43891	44133	44814	44369	44690	44641	44308	44596	44736	96.521	
	6	44251	45311	44908	45555	44862	44293	44355	44559	44383	44414	44291	44665	97.103	
	7	44936	45251	44633	44769	44518	44138	45012	45220	44787	44596	44625	44012	97.221	
	8	44790	44706	44864	44371	44840	44578	44567	44666	44715	44668	43667	44569	96.950	
	9	44615	44776	45196	44437	44308	44660	45131	44509	44540	44761	44527	45119	97.236	
	10	44924	44693	44375	44182	44963	44879	45039	44545	45004	44719	44686	44137	97.158	
	11	44863	44883	44961	44318	44480	44613	44512	44276	44721	44642	44609	44260	96.974	
	12	44247	45009	45330	44475	44998	44915	44572	44462	44857	44920	45116	44687	97.419	
	13	44853	44661	44158	44893	44601	44508	45159	45170	44281	44519	44447	45092	97.193	
	14	44171	44715	44867	44606	44610	44494	44619	44720	44501	44718	44882	44352	96.995	
	15	45077	44975	44919	44589	45128	44606	45021	44253	44378	45174	44498	44824	97.392	
	16	44740	44801	45246	44598	44169	44392	45028	44446	44037	44626	44308	44798	96.984	
	17	44951	44667	44195	44147	44627	44463	44443	44468	44431	44878	44863	45142	96.999	
	18	44331	44585	43974	44476	43921	44595	45160	44549	44318	44644	44121	44444	96.608	
	19	44609	44757	45520	44367	44831	44389	43791	44065	45061	44318	44258	44518	96.857	
	20	44942	44927	44085	44514	44449	44347	44202	44071	43475	44701	45075	44947	96.721	
	21	44492	44356	44471	44604	44489	45009	44574	44846	44402	44485	44830	44491	96.959	
	22	44742	44378	44039	44760	45152	44136	44356	44633	44836	44535	44909	44044	96.863	
	23	44514	44110	44508	44326	44336	44200	44371	44639	44008	44869	44442	44632	96.579	
6	0	44713	44333	45027	44526	44855	44137	45356	44808	44419	44663	44496	44797	97.155	
	1	44478	44301	44730	45085	44618	44098	44836	44579	44785	44400	44375	44761	96.958	
	2	44923	44665	44493	44942	44648	44678	45035	43961	44523	44281	44835	44644	97.064	
	3	45173	44746	44541	44488	44565	44689	44690	44413	44963	45142	44136	44740	97.183	
	4	44615	44362	44329	44629	44203	44807	44138	45287	44610	44813	44523	44947	96.997	
	5	44254	44560	44424	44330	44290	44973	44274	44620	43819	44525	44775	44564	96.661	
	6	45058	44883	45010	44698	45019	45147	44474	44679	44459	44875	44443	44933	97.435	
	7	44872	44813	44589	44395	44657	45076	44459	44559	45061	44140	45021	45104	97.266	
	8	44634	43990	45046	45143	45154	44379	44642	44045	44623	44662	44919	44353	97.056	
	9	45100	44580	43977	44653	44851	44595	44788	44328	44842	44614	44649	44603	97.055	
	10	45066	44762	44494	44271	44152	44956	44596	44133	44519	44907	45315	44764	97.119	
	11	44728	44792	44720	44818	44811	44884	45129	44622	44651	44758	44580	44906	97.384	
	12	44484	45176	44713	44974	44895	44802	45390	44762	44531	44240	44930	45150	97.502	
	13	44877	44261	44940	45325	45571	44080	45110	44167	44623	44402	44935	45182	97.398	
	14	45055	44127	45084	45201	44204	44602	45177	44619	44940	44494	44897	44246	97.248	
	15	44424	45041	44722	44764	45507	44783	45107	44949	44405	45486	44396	45304	97.654	
	16	44989	45057	44603	45137	44500	44667	44543	44988	45051	44339	45267	44715	97.468	
	17	44409	44971	44719	44251	44480	45164	44847	44801	45361	45055	44047	45159	97.360	
	18	44586	44321	44495	44904	44640	45080	44992	44511	44244	44054	44469	44934	96.992	
	19	44923	44616	44582	44985	45364	44320	45200	43922	44963	44491	44956	44892	97.352	
	20	44777	44258	44931	44492	45040	45042	45123	45136	45079	44898	44428	44951	97.521	
	21	44223	44691	45087	44434	44493	45018	45098	45208	44825	44723	44812	44778	97.383	
	22	44797	44556	44779	44239	45012	45002	44185	44740	45176	44211	44769	44687	97.159	
	23	44738	44234	44997	44432	45221	45053	45173	44950	45023	44676	44220	44654	97.379	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	45280	45003	44682	44205	44560	44812	44768	45257	44952	44505	44747	45087	97.468	
	1	44585	45040	44945	44257	44584	44451	44534	44511	45010	44765	44313	44358	97.014	
	2	44674	44977	45104	44790	44507	44747	44508	44528	44741	45257	45166	44620	97.424	
	3	44842	44120	44139	44067	44656	44924	44583	44791	45044	44779	44581	44570	96.967	
	4	44584	45211	44222	44724	44858	44474	44268	44734	44397	45037	44843	44373	97.081	
	5	44566	45249	44823	44897	45066	45209	44581	44650	45105	44867	44885	45675	97.778	
	6	44948	44576	45050	45141	43949	45022	44712	45390	44546	45097	45991	44772	97.710	
	7	44350	44355	44918	45011	44612	44730	44918	44965	44838	44744	45025	44881	97.375	
	8	45258	44328	44377	45266	44817	45080	45217	45052	45424	44874	45140	45253	97.871	
	9	45050	44441	45755	44345	44331	45396	45121	45286	44654	45569	44478	45115	97.773	
	10	45561	44978	44870	45077	45262	44887	44634	45047	44713	44681	45210	45127	97.864	
	11	45270	45287	44978	45414	44940	45013	45439	44474	45184	44369	45551	44906	98.005	
	12	44917	45022	44367	45313	45035	45066	44650	44430	44286	45515	45391	45125	97.695	
	13	44958	45115	44821	45617	44765	44945	44417	44397	44796	44735	45102	45509	97.706	
	14	44189	44571	44939	45474	44550	44308	44554	44959	44438	44621	44332	45003	97.120	
	15	45286	44761	45233	44976	44833	44727	45064	45283	44920	44816	44755	44788	97.754	
	16	44511	45206	44901	45612	44473	45629	45039	44633	45093	45242	44919	44659	97.841	
	17	44115	45001	44785	45165	45111	45035	44533	45369	45208	44696	44587	44923	97.589	
	18	44671	44740	45503	44772	44985	44998	44161	45102	44913	44557	44324	44637	97.379	
	19	44737	44554	44452	45167	45495	44843	45552	45208	45070	45491	44801	44705	97.869	
	20	45034	44339	44703	44951	44958	44920	45178	44740	44870	44598	44110	45111	97.405	
	21	43825	44106	45157	45018	44963	44621	44654	45072	44708	44949	44743	44372	97.165	
	22	44942	44559	45088	45472	44903	44844	45298	45394	45264	44347	45491	45419	98.040	
	23	45090	44514	45106	44867	44987	45265	44594	45114	45393	45016	44972	45035	97.847	
8	0	44845	45060	44737	44323	44705	45734	44392	44828	44112	44993	44355	43991	97.139	
	1	45286	44477	44380	45300	44487	44241	44678	44869	44699	44421	44813	44113	97.088	
	2	45362	44497	44681	44550	44915	44575	44333	44375	44989	45181	44666	44552	97.253	
	3	45035	45067	44959	44975	44839	44672	44156	44839	44023	45059	44688	44657	97.306	
	4	45056	45185	44874	44510	44600	44872	44824	45264	44954	44672	44867	44843	97.588	
	5	44817	45029	44704	44872	44399	44406	44177	44382	45022	45369	44795	44806	97.272	
	6	44582	44986	45372	44583	44961	45016	44786	44845	44779	45294	44955	44791	97.665	
	7	45325	45412	44977	45246	45127	45140	44629	45483	44020	45438	44437	44559	97.818	
	8	45198	44935	44792	45193	44762	44623	44670	45476	45217	44950	45392	45172	97.925	
	9	45029	45238	45385	45054	45112	45016	45392	44850	45308	44464	45378	45836	98.229	
	10	46165	45127	45137	44653	44899	45323	44716	45306	44747	44467	44940	45076	97.956	
	11	45363	44840	44872	44639	45545	44982	45470	44570	44983	45510	45295	45388	98.120	
	12	45250	44912	44734	44995	45290	45220	45274	44899	45005	45089	44484	44512	97.794	
	13	44768	44684	45105	44340	45238	44598	45204	44372	44829	44220	45419	45215	97.492	
	14	45284	45067	45016	44442	44368	44520	45451	44721	45301	44285	44895	44635	97.491	
	15	45071	45047	45078	44587	44799	44502	45088	45274	44826	45290	45490	45023	97.869	
	16	45094	44898	44989	44744	45459	44997	45176	44723	44095	44553	44223	44822	97.453	
	17	44979	45272	44183	44713	44690	44619	44433	45170	44767	45269	44718	44758	97.416	
	18	45331	44608	44429	44775	45176	44680	45147	45226	45270	44519	45160	44801	97.697	
	19	45214	45204	45211	44818	44074	44745	44989	45217	44760	44549	45046	44586	97.568	
	20	44593	45024	44626	44871	44840	45011	45411	45036	44885	45074	45037	45622	97.860	
	21	44460	45309	45031	44753	44291	45114	45136	44845	45177	45122	45093	44768	97.693	
	22	44609	44292	44992	44975	44533	46006	44642	45343	45232	45331	44836	44883	97.797	
	23	44903	45398	44814	44415	44269	44605	44874	44088	44561	44827	44107	44807	97.071	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44875	45388	44549	45034	44714	44624	44618	44702	44647	44258	44816	44793	97.310	
	1	44517	44977	44983	44297	44597	44746	44956	45439	45268	44648	44466	44875	97.451	
	2	44558	45053	45216	44329	45158	44930	44570	45035	44590	44786	43841	45570	97.428	
	3	45042	44159	44785	45216	44655	44550	44034	44660	44480	44992	44448	44562	97.055	
	4	45191	44638	44958	44566	44747	44990	44071	45124	45540	44312	45262	44992	97.564	
	5	44275	44785	44598	44518	43939	45121	45153	45370	44434	44597	45351	45242	97.381	
	6	44968	45622	45017	45480	44062	44887	44883	45137	45177	45624	45295	44693	98.009	
	7	45131	44752	44212	45078	45033	45454	45080	44471	44361	45062	44576	44710	97.479	
	8	44744	45345	45176	45101	45643	44849	45727	44996	44883	45524	45881	45097	98.393	
	9	44980	45280	45058	44872	45150	45152	45160	45497	45089	44896	44585	45350	98.049	
	10	45560	45185	45020	45049	45045	44862	44638	44948	44618	45171	45502	45243	98.008	
	11	44775	45098	44639	44947	44690	44967	44831	45247	45347	44801	45422	44613	97.742	
	12	44965	45164	45207	45454	45061	45002	45216	44956	44998	45102	45278	44874	98.087	
	13	44510	44873	44851	44835	45473	44948	44896	44999	44661	44651	44852	44970	97.587	
	14	44744	44905	45081	44543	45051	45320	44518	45056	44773	44677	45252	44749	97.615	
	15	44952	45352	45077	45137	44043	45067	45049	45059	45624	45097	44736	44990	97.889	
	16	44759	44513	44774	44586	44859	44566	44648	45217	45042	44737	45283	45567	97.593	
	17	44019	45042	44557	44593	44580	44522	44525	44694	44313	44042	44133	44580	96.696	
	18	44442	44454	44553	44417	45064	44226	44649	44515	44061	45039	44417	44470	96.824	
	19	43916	44397	44822	45105	43984	44412	44417	44666	44410	45018	43899	44179	96.628	
	20	44240	43844	44242	45304	43842	43754	43685	44061	44055	44176	44532	44648	96.113	
	21	44084	44202	44487	43567	43842	44517	43669	44276	44017	44214	44285	44171	95.922	
	22	44905	44480	43747	44330	43219	44600	44541	44326	44817	44491	44351	44825	96.520	
	23	44387	43914	44692	44140	44723	44267	44580	44465	43862	43857	44123	44049	96.235	
10	0	44211	44580	44418	44606	44517	44467	44413	44940	44970	44418	44113	44340	96.768	
	1	44493	45082	45223	45133	44789	44596	44931	44571	44365	45103	44243	44778	97.368	
	2	44966	44223	43858	44652	44915	44376	45411	44390	44806	43823	44116	45062	96.877	
	3	44392	44294	43891	44194	44539	44375	44841	44791	44115	44837	44525	44452	96.632	
	4	44786	44562	44388	44997	44563	44410	44658	44441	44755	44358	44973	44865	97.086	
	5	44923	44388	44190	44239	44762	45001	44618	45038	44738	44733	44945	45554	97.335	
	6	44656	44510	44534	44491	44384	44514	44841	44851	44038	44698	44099	44657	96.818	
	7	44057	45086	43835	45056	44318	44846	44501	45384	44657	44433	44824	44015	96.952	
	8	44545	44100	43791	44357	44258	44124	44378	44352	44156	44657	44023	43915	96.162	
	9	44238	44088	44109	44585	44110	44107	44029	43829	44579	43880	44705	44509	96.183	
	10	44435	44557	43913	44412	44375	44531	44636	44270	44845	44379	44296	44337	96.585	
	11	43926	44125	43891	44218	44274	43967	44203	45047	44001	43908	44310	44135	96.044	
	12	44697	44685	43611	44503	44725	44704	44128	45284	43458	43947	44130	43933	96.371	
	13	44494	44279	43657	44618	44246	43934	44292	43359	44027	43691	44858	43369	95.830	
	14	43978	44364	44768	43613	43993	43943	44126	44741	44277	43815	44189	44276	96.059	
	15	44079	44480	44309	43890	44486	44034	43983	43629	44153	44089	44121	44019	95.912	
	16	43926	44125	44509	44160	45029	44618	44736	44277	44034	44271	44183	44395	96.454	
	17	43597	43624	44308	43902	44284	44962	43857	44915	44541	44494	44313	44486	96.276	
	18	44450	43929	44403	43543	44447	43993	44456	43991	44497	44055	44147	44158	96.056	
	19	44039	44369	44383	44404	44344	44483	44644	43946	44523	45577	44502	44171	96.657	
	20	44367	44241	44542	44228	44133	44476	44068	44921	44428	43920	44071	44014	96.299	
	21	43560	43771	44517	43786	44283	44835	44088	44326	43889	44330	44491	44214	96.060	
	22	44240	43932	43880	43819	44091	44491	44108	44093	44229	44092	43958	44414	95.925	
	23	44524	44776	44280	44276	44861	44801	44356	44785	44695	43824	44712	43643	96.683	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
11	0	44965	44508	45201	45136	44533	44424	44769	44671	44084	44592	44166	44498	97.041
	1	44773	44465	43804	44399	44319	44395	44156	44272	45014	44080	44154	44600	96.484
	2	44400	44221	43657	44550	44893	44755	44317	43756	43985	44407	44171	43719	96.194
	3	43919	44510	44397	45020	43877	44558	44624	44434	43919	44560	44160	44350	96.465
	4	44156	44396	43933	44882	44869	44227	44559	44935	44065	44879	44627	45059	96.874
	5	43953	43925	43685	44166	44270	43922	44814	44972	44408	44638	44264	44610	96.338
	6	45040	45133	44781	44739	44408	44445	44962	44234	44506	44306	44328	44380	96.997
	7	44331	44064	44692	44645	44800	44871	44521	44497	44375	45004	43938	44131	96.744
	8	44421	44325	44462	44982	44242	45064	44540	44423	45077	44768	44288	44993	97.055
	9	44768	44786	44411	44358	44723	45175	45002	44301	44213	44546	44381	44751	97.024
	10	44052	44255	44066	45086	44328	43828	44527	44663	44182	44342	44130	43949	96.299
	11	44649	44124	44281	44766	44837	44584	44499	44088	44388	44194	44589	43810	96.552
	12	44311	44744	44874	44385	44252	44662	44541	44795	44789	44349	44422	44476	96.877
	13	45348	43805	43979	44828	44155	44038	44634	44198	44697	43875	44482	44055	96.423
	14	43963	44338	44417	44513	44381	44465	43864	44956	44538	44269	44621	44262	96.512
	15	44627	44951	44372	43756	44361	44890	44264	44155	44751	44574	44769	43786	96.634
	16	43979	44019	44214	45047	44638	44364	44187	44653	44235	44344	45091	44104	96.565
	17	44239	44730	43820	43618	44376	44191	44313	43953	44501	43370	45000	44437	96.143
	18	44350	43950	44438	44579	44195	44205	44800	44261	44834	44470	44582	44770	96.666
	19	44104	43780	44431	44617	44094	44170	43846	44434	44198	43895	44418	44340	96.103
	20	44807	44303	44002	44265	44260	44282	44507	44353	44183	44199	44667	44402	96.448
	21	44091	43978	43707	44397	44711	44208	44295	44018	43956	43876	44532	44334	96.062
	22	44125	44924	44056	44169	44682	43717	45167	44250	44769	44207	44289	44868	96.628
	23	44142	44025	44113	44842	44265	44380	44082	44377	44234	44723	44567	44128	96.384
12	0	45005	44000	44240	44106	44765	44323	44761	44303	44430	44407	44810	45482	96.881
	1	44828	44749	44393	44969	44778	43905	44342	44398	44334	45441	44920	45248	97.186
	2	44042	44496	44518	44345	44286	43993	44902	44377	44283	44167	43933	44375	96.355
	3	44798	44533	44663	44374	44059	44886	44701	44754	43957	44332	44296	45035	96.839
	4	44212	43821	44047	44975	43952	44487	44244	45160	44268	44395	44382	44621	96.508
	5	44915	44827	44493	44408	44389	44664	44749	44306	44818	44204	44847	44209	96.919
	6	44634	44738	44754	44832	43993	44441	44587	44133	44930	44254	44739	44264	96.823
	7	45260	44540	44407	44193	44487	44688	44284	44845	44605	44486	44865	43698	96.833
	8	44545	44842	44148	44142	44830	44532	44740	44650	44701	44597	43829	43862	96.663
	9	44772	44708	44260	44042	44621	44174	45207	44992	44611	44314	44214	44854	96.908
	10	44661	44426	44985	44707	43870	44854	44050	44312	44271	44162	45075	44445	96.735
	11	44328	44010	44143	44241	44710	44659	44657	44255	44582	44432	44300	44702	96.591
	12	44862	43761	44230	44795	45003	45102	44130	44334	44133	44689	44306	43996	96.649
	13	44889	43978	44805	44129	44563	44401	44252	44512	44305	44559	44627	44801	96.736
	14	44143	44807	45045	44287	44822	44204	44852	44443	44577	44855	44101	44484	96.881
	15	44456	44573	44327	44643	44520	44134	44850	44116	43888	44588	44277	44675	96.596
	16	44186	44829	44024	44520	44663	44129	44492	44051	43913	44009	44442	44553	96.372
	17	44374	44372	44569	44932	44299	44249	43811	44539	44395	44674	44210	44421	96.559
	18	43780	44257	43900	44652	44817	44391	44404	44221	44440	43837	44324	44138	96.254
	19	45088	44746	44854	43914	44197	44380	44004	43901	44199	44141	44510	43902	96.377
	20	44355	44734	44003	44660	43636	44421	44845	44659	43516	44607	44006	43675	96.246
	21	44893	44267	44818	44776	44235	43942	44615	44240	43983	43964	44431	44169	96.466
	22	44129	44188	44025	44388	44382	44581	44664	44248	44027	44038	44448	44027	96.251
	23	44085	44133	44683	44464	44664	44136	44798	44364	44605	44494	44043	44474	96.577

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	43959	44425	44505	44355	44292	43975	44029	44269	44403	43625	44286	44215	96.103	
	1	44234	44437	44247	44793	44660	44456	44295	43622	45155	44014	44088	44548	96.506	
	2	44207	44114	44369	44384	44547	43614	45096	44457	44348	44195	44234	44531	96.424	
	3	44849	44756	44416	44394	44471	44347	45123	44138	44378	44159	44546	44287	96.744	
	4	44766	44275	43699	44028	44673	44124	44652	44352	45046	44854	44547	44877	96.749	
	5	44747	44674	44800	45018	44731	44504	44219	44764	44910	44394	44156	43993	96.934	
	6	44487	44829	44659	45048	44255	44056	44686	44262	44416	44130	44607	44090	96.682	
	7	44731	44971	44181	44364	44903	44553	44430	44693	44465	44484	44986	44492	96.995	
	8	44657	44646	44362	44791	44549	44909	44474	44989	44617	44148	44025	45019	96.983	
	9	44899	44860	43972	44619	44440	44307	45224	44287	44714	44517	44977	44720	97.047	
	10	44440	44172	44538	44610	44859	44349	44156	44770	44971	44750	44355	45098	96.962	
	11	44359	44214	44357	44065	44726	44596	43631	44780	44174	44366	44223	44708	96.442	
	12	44005	44064	44137	44140	44619	44055	44429	44400	43889	44891	44509	44473	96.336	
	13	44341	45053	44975	44345	44691	44855	45257	44830	44358	44313	44145	44679	97.102	
	14	44703	44275	44691	44091	44142	44926	44525	44462	44564	44002	44535	44912	96.737	
	15	44817	44708	44561	43939	44872	44397	44855	44679	44489	44126	44833	43936	96.807	
	16	44723	44987	44407	44644	43901	43913	44651	44981	44629	44439	44535	45210	96.953	
	17	44448	44284	44529	44601	44430	44134	44156	44054	44436	44434	44284	44527	96.463	
	18	44404	44702	44437	44361	44406	44656	44426	43896	44231	44415	44265	44381	96.511	
	19	44072	44834	44738	44673	44822	44598	44499	44310	44963	44828	44524	43916	96.909	
	20	45159	44615	44295	44735	44170	44464	44121	44466	44293	44692	43808	44014	96.557	
	21	44523	44696	43852	44236	44465	44827	44505	44227	43896	44075	43851	43919	96.238	
	22	44215	44611	43737	44330	44530	44053	44668	44341	44294	44843	44760	43787	96.436	
	23	44550	44537	44199	44637	44765	44539	44171	44724	44521	44237	44255	43980	96.608	
14	0	44256	43601	44840	44267	44886	45051	44594	44511	45135	44551	44524	44534	96.898	
	1	44074	44453	44574	44224	45616	44923	44757	44743	44433	44928	44807	43616	96.976	
	2	44739	44515	44832	44936	44269	44487	44572	44176	44726	45114	43921	44312	96.877	
	3	44482	45160	44819	44681	44858	44479	44698	44704	45277	44211	44624	44789	97.273	
	4	44964	44898	44206	44570	44972	44411	44039	44911	44424	44614	45027	44258	97.003	
	5	44449	44991	44522	44900	44414	44976	45033	44842	44660	44687	44571	45003	97.321	
	6	44810	44887	44614	44928	44223	44465	44950	45125	45286	44955	44680	43982	97.295	
	7	44691	44351	44675	44988	44484	44849	44693	44699	44964	44567	45109	43988	97.141	
	8	44940	44477	44410	44435	45357	44589	43924	44499	44226	44932	44847	44544	96.982	
	9	44548	44180	45090	44662	44753	43274	44353	44100	44523	45205	44409	43972	96.600	
	10	44813	44513	44598	44513	44164	44803	45133	44892	43467	44322	44473	44337	96.773	
	11	44490	45185	44001	44439	44662	44310	44752	44745	43831	45241	44427	44388	96.853	
	12	44581	44243	44310	44348	44566	44544	44346	44141	44540	44562	43981	44690	96.560	
	13	44577	44539	44162	45295	44912	44031	44721	44674	44269	44785	44552	44442	96.942	
	14	44745	44533	45202	44402	44998	45106	44667	43888	44940	44546	44117	44775	97.116	
	15	44534	44931	44885	45291	44297	44715	45311	44594	44643	44364	44076	44113	97.086	
	16	44430	44269	44598	44873	44881	44316	45478	44470	45650	44606	44707	44779	97.322	
	17	44762	45018	45319	44442	45005	45009	44793	45219	44046	44739	45366	44890	97.603	
	18	44771	45001	44907	44628	44793	44430	44776	44482	44198	44845	44986	44617	97.210	
	19	44744	44854	44539	44614	44845	45155	45119	44716	45099	44667	45028	43851	97.354	
	20	44750	44581	44498	44844	44998	45285	44736	44669	45118	45241	44704	44896	97.551	
	21	45220	44649	45102	44967	44300	44617	44287	44977	44648	44547	44988	44616	97.297	
	22	44813	44477	44326	44862	44749	45364	45376	44345	44881	44861	44514	44651	97.351	
	23	45175	44585	44484	44913	44788	45501	44672	44440	44815	44275	44503	44354	97.222	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44253	44899	44764	44490	44690	44582	44821	44640	44668	44962	44246	44205	96.984
	1	44376	44709	44439	44793	44849	44761	44582	45462	44626	44654	45042	44434	97.263
	2	44180	44901	44317	45297	44425	44394	44339	44511	44454	44166	44545	44766	96.822
	3	45450	44390	44432	44848	44878	44229	44882	44181	44978	44500	44233	44187	96.984
	4	45047	44158	44648	45196	44259	44774	44162	44703	44268	44011	44777	44158	96.798
	5	45045	44166	44390	44277	44424	44836	44026	44500	44442	44516	44303	44414	96.649
	6	44444	44133	44443	44220	44742	44561	44966	44790	44576	44195	43622	44016	96.534
	7	44188	44638	44215	44699	44275	44289	44916	44608	44248	43751	44002	44402	96.448
	8	44832	44314	44457	44448	44535	44403	44292	44235	44716	43878	44792	44834	96.721
	9	44425	44331	44810	44352	44825	44704	44317	44227	44695	44364	43873	45214	96.793
	10	44576	44831	44497	44867	44442	44649	43921	44735	44472	45031	44702	44462	96.983
	11	44475	44582	44542	44711	45160	44615	44700	44559	44530	45184	44581	44760	97.203
	12	44121	44790	44137	45063	44620	44414	44860	44453	44049	44754	44904	44845	96.952
	13	44316	44194	44378	44371	45067	44742	44670	44041	44782	44888	44753	44374	96.873
	14	44946	44313	44947	45126	44418	44402	44094	44636	44681	44813	44431	44449	96.996
	15	44907	44654	44445	45106	44112	44709	44803	44192	44469	44122	44383	44682	96.874
	16	44443	44812	44440	44411	44274	44604	44310	44994	44381	44031	44565	44776	96.776
	17	44533	44837	44322	44213	44601	44491	44230	44961	44985	44479	44531	44664	96.922
	18	45075	44415	44627	44392	44843	44504	44623	44535	44310	44443	44580	44954	97.004
	19	43985	44263	44929	44583	44679	44261	44810	44578	44886	44566	45099	44858	97.040
	20	44771	45158	45278	45015	45029	44275	44861	44844	44710	44935	44602	44801	97.544
	21	44696	44533	44125	44277	45426	44485	43875	44299	44525	44031	44084	45039	96.659
	22	44893	44980	44819	44771	45319	44634	44409	44759	44787	44950	44667	45148	97.518
	23	44633	45232	44612	44518	44504	44518	44494	44361	44819	44986	44567	45335	97.236
16	0	45099	44646	44559	44271	44889	44426	45005	44688	44178	45246	45145	44949	97.328
	1	45266	44652	44664	44772	44301	45002	44346	44587	44485	44815	44500	44996	97.200
	2	45172	44801	43879	44239	45119	44200	45376	44353	44585	45360	44137	44210	97.028
	3	44415	44792	44730	45021	44503	44611	45050	44749	44855	44197	45204	45022	97.339
	4	45008	44912	44563	45062	44481	44751	45303	44502	44480	44867	44623	44851	97.385
	5	44190	44530	44471	44759	44359	45139	44549	44978	45180	44440	44150	44398	96.976
	6	44351	44083	45108	44390	43803	45062	44734	44754	44303	44987	44465	44782	96.917
	7	44894	45250	44805	44054	44429	44477	45190	44977	44978	44661	45151	45151	97.496
	8	44711	44603	44244	44579	44672	44779	44310	44648	44190	44686	44968	44597	96.947
	9	44901	44817	44581	44944	44784	45212	45466	44863	45218	45380	44489	45231	97.835
	10	44095	44425	44930	45031	45303	44745	44895	44839	45203	45521	44275	44615	97.472
	11	44646	44271	44965	44882	44945	44060	44889	45089	45405	44482	45193	44363	97.347
	12	44607	44744	44551	44356	44799	44972	44554	44840	44543	45439	45306	44947	97.432
	13	45189	44830	44671	44514	45256	44787	44422	45303	45241	44993	44936	44820	97.668
	14	44783	44419	45336	44425	45299	43976	45070	45158	44598	44610	44829	44927	97.390
	15	45163	44842	44962	44630	44746	44630	44836	44726	45068	44904	44717	44551	97.452
	16	44113	45252	44736	44361	44367	44968	43996	44133	44431	44717	44615	44537	96.809
	17	44336	44596	45056	45134	45300	44630	44495	44456	44884	44890	43936	44320	97.137
	18	44569	45203	44636	44062	44237	44893	44552	45013	44460	44916	44380	44555	97.035
	19	43795	44223	44474	44030	44400	44845	44787	44607	44337	44812	44899	44980	96.803
	20	44255	44632	44098	44645	44334	44496	44888	44548	44756	44637	44848	44757	96.931
	21	44273	44423	44718	44678	45003	44570	44800	44720	45105	44825	44350	44780	97.175
	22	44759	45086	44624	44586	44795	44512	44332	45152	44317	44711	44778	44040	97.075
	23	44989	44629	45199	44597	44311	44611	44481	44977	44935	44613	44751	44320	97.206

		INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015						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
17	0	44943	44442	44765	44793	44839	44651	44547	44646	44627	45032	44328	44459	97.147
	1	44995	44946	44884	44704	44831	44740	44813	44501	44474	44750	44559	45135	97.372
	2	45231	44350	44335	44701	44984	44609	44380	43990	44579	44913	44552	45179	97.098
	3	44903	43852	44537	44731	44801	44359	44564	44500	44600	44940	44718	44743	96.994
	4	44696	44946	44575	43927	43827	44422	44742	44211	44889	44603	44481	44059	96.656
	5	44215	44493	44651	44719	45407	45036	44927	44739	44511	45151	44341	44687	97.290
	6	44740	44766	44557	44786	44927	44823	44064	44474	44409	44580	44990	44497	97.062
	7	44238	44686	45361	44226	45035	45281	44780	45073	45340	45011	44452	44852	97.554
	8	44952	44598	44853	44649	44872	45515	44360	44763	45130	45088	44734	44555	97.506
	9	45494	44517	44226	44845	44905	44628	44887	44631	44822	44018	44427	44967	97.197
	10	44370	45201	44369	44967	44783	44718	44789	44259	44379	44507	44662	44087	96.966
	11	44568	45156	45363	44815	44861	45172	44564	44574	44963	45312	44552	44627	97.589
	12	45310	45211	44953	44503	44440	44546	44623	45193	44734	44805	44781	44330	97.390
	13	44293	44924	45097	45081	44924	44442	44684	45147	45383	44779	44385	44379	97.406
	14	44703	44565	45118	44604	44614	44959	45470	44523	44678	44780	44823	43955	97.274
	15	44749	44721	44723	44782	44799	44167	44751	45119	44456	44930	44563	44409	97.161
	16	44457	44319	44988	44719	44415	44099	43380	44591	44479	44604	44209	44834	96.604
	17	44416	44397	44020	44962	43890	44387	45177	44988	44598	44479	44150	45040	96.859
	18	44677	45768	43935	45229	44118	45117	44063	44074	44347	44529	45222	44426	97.041
	19	44732	44440	44570	44893	44736	44528	44166	43860	44699	44532	43926	44237	96.645
	20	44591	44349	44732	44693	45673	44083	44570	44150	43813	44687	44273	44260	96.745
	21	44451	44443	44298	44268	44205	44490	44168	44109	44121	44260	44842	44315	96.400
	22	44435	44716	45345	44764	44242	44354	44439	44296	44444	44364	44278	44006	96.711
	23	44518	44442	44272	44136	44467	44144	44747	43982	44673	44420	44397	44093	96.459
18	0	44492	44842	44065	44640	44195	44209	44752	44799	44640	44573	43729	44522	96.664
	1	44238	44743	44206	44516	44343	44295	44654	44687	44338	43775	44372	44034	96.442
	2	45056	44367	44056	43989	44360	44959	43746	44968	44466	44579	44791	44751	96.784
	3	44218	44527	44406	44555	44155	44323	44112	44634	44716	44871	44382	44438	96.648
	4	44618	43736	44906	43905	44853	44095	44461	44944	44380	44927	44461	44515	96.732
	5	44051	45040	44600	44589	44413	45314	44842	44574	44837	44338	44769	44397	97.088
	6	44964	44319	44159	44687	44463	44404	44560	44306	43927	44788	44631	44123	96.647
	7	44333	44757	44483	44392	44511	44148	44580	44939	44740	44874	44593	43798	96.795
	8	44624	44306	43861	44339	44762	44665	44816	44466	44487	44639	45142	44366	96.854
	9	44282	44567	44192	44556	44965	44045	45174	44525	44389	44150	44484	44743	96.782
	10	44838	45104	45271	44622	44582	44260	44226	44570	44508	44351	45213	44639	97.164
	11	44589	44875	44634	44848	44997	44324	44981	44637	44590	44098	44417	44803	97.093
	12	44692	45081	44393	44288	44664	44395	44805	44515	44297	44930	44549	44268	96.928
	13	44433	44456	44561	44670	44585	44694	45261	45115	44327	44677	44606	44362	97.085
	14	44528	45379	44300	43864	44460	44694	44360	44583	44798	44773	44576	45222	97.047
	15	44570	44490	44891	44287	44847	45361	44209	44341	44416	44677	44478	44418	96.947
	16	44657	44120	44222	44437	45025	44502	44284	44811	44166	44979	44530	44943	96.891
	17	44355	44155	44263	44485	43830	44248	45000	44722	45060	44896	43702	44604	96.645
	18	44940	44887	44475	44735	45164	43834	44864	45275	44130	44064	44352	44134	96.924
	19	44598	44593	45580	44225	44668	45417	44614	44458	44465	44391	43957	44355	97.008
	20	44554	44580	44647	44380	44090	44321	44331	44783	44151	44633	44777	44656	96.751
	21	44209	44746	44180	44288	44858	44809	44679	44032	44424	43989	44663	44156	96.593
	22	44185	44461	44358	44042	44862	44570	44773	44471	44263	44616	44981	44309	96.748
	23	45497	44649	45006	44408	44500	44263	43796	44642	44398	44228	44814	44547	96.905

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44657	44369	44814	44312	44256	44661	44959	44465	44335	44614	44838	44551	96.912
	1	44951	44383	44966	44291	44818	44436	45044	44841	44788	44990	44874	44652	97.318
	2	45096	44478	44716	44755	45104	44359	44201	44711	44633	44690	44083	44936	97.087
	3	44737	44180	44102	44780	44800	44459	44804	44487	44759	44266	43946	44896	96.808
	4	44363	44959	44824	44365	44692	45017	44380	44924	43595	45098	44725	44403	97.012
	5	44644	44581	45314	43977	44427	44186	44920	44436	44404	44101	44496	45177	96.888
	6	44685	45417	44603	44631	44912	44755	44506	44836	44266	44781	44607	44910	97.296
	7	44785	44844	44897	44979	44795	45156	44571	44995	45066	44026	44460	44726	97.367
	8	44146	44779	44791	45252	44830	44801	44812	44974	44582	44698	44763	45368	97.456
	9	44687	45135	44669	44729	44806	44639	45561	44801	44455	44605	44716	45261	97.505
	10	44330	44298	44348	44885	45148	45236	44652	44512	45280	44657	44517	45113	97.308
	11	44771	45265	44614	45047	44564	44652	44687	45084	44452	43913	45028	44550	97.244
	12	45044	44947	45146	44782	45047	45148	44593	45383	45216	45086	45126	45067	97.962
	13	45360	44617	44556	44734	44599	44718	44622	44243	44657	45226	44225	44982	97.229
	14	45394	44347	45080	44656	44931	44731	44639	45612	44623	45077	44823	44543	97.576
	15	44950	45345	44988	44431	44421	44906	44993	44597	44922	45152	45432	44501	97.609
	16	45155	44944	44471	44321	44944	44616	44310	44238	44321	44503	45059	44374	96.996
	17	44865	44771	45150	44818	44274	44606	44931	44789	44612	44580	44659	44648	97.258
	18	44053	44460	45359	44515	45178	44481	44926	44286	44391	44626	45323	44813	97.205
	19	45082	44718	45096	44389	45212	44506	44392	44622	44708	44055	44826	44907	97.224
	20	44861	44942	44812	44960	44071	44308	44844	44655	44263	44655	44455	44327	96.978
	21	44154	44167	44548	44904	44802	44263	44546	44091	44898	44970	44638	45037	96.953
	22	44709	44738	44865	45738	44739	44844	44940	44570	44713	44554	45027	44533	97.488
	23	44671	44291	44984	45137	44820	44956	44365	45127	45139	45137	44579	44659	97.469
20	0	45178	44413	44533	44775	45043	44660	44575	44507	45077	45689	44433	44507	97.380
	1	44485	44921	44376	44685	44830	44781	45294	44509	45225	44675	45040	44785	97.422
	2	44568	44360	45497	44866	44747	44842	44608	44773	44522	44497	45401	44481	97.342
	3	44933	44730	44646	44774	44473	44870	44512	45062	44998	44681	45678	44767	97.515
	4	44819	44677	44727	45087	45323	44947	45004	44983	44711	45068	45393	45073	97.822
	5	45063	45003	44999	44695	44557	45284	45079	45007	45569	44576	45364	45079	97.905
	6	44570	44871	45159	44510	45175	44725	44641	44934	44656	44952	45642	45290	97.697
	7	44716	44811	45343	45196	44864	45338	45349	44806	44855	45233	44748	45107	97.922
	8	44725	45268	44685	45092	45375	44739	44840	44877	45009	44853	45487	45019	97.850
	9	44290	45175	44833	45488	44544	45174	44861	45116	45122	45348	44411	44446	97.640
	10	45235	45313	44651	43848	45127	45508	44614	44591	44971	45197	45604	44533	97.710
	11	44749	44890	44837	45170	44691	45095	45105	44596	45007	45480	45574	44960	97.883
	12	44891	45136	45206	44664	44884	44851	44890	45255	45091	44442	45020	45393	97.805
	13	45171	44875	45328	44781	45082	45500	44596	44421	45443	44876	45411	45151	97.971
	14	45020	44739	45114	44692	44551	44762	45176	44900	45531	45432	45216	44526	97.794
	15	44577	44591	45116	45188	45321	44927	44638	44794	44934	44671	45507	45027	97.727
	16	44880	44680	44872	45389	44543	44869	45119	44501	44989	44732	44520	44751	97.465
	17	45077	45167	44655	44849	45138	44702	45579	44733	45369	44591	45071	44710	97.791
	18	44373	44860	45072	44846	45370	45038	45083	44544	44842	44634	44618	44828	97.513
	19	44646	44641	44543	44692	44899	44965	44747	45188	44931	44713	44973	45088	97.498
	20	45267	43746	45434	44693	44810	44693	44856	44824	44899	44810	45053	44587	97.434
	21	44963	44676	44968	44660	45029	44493	44271	44903	45076	45154	45597	44598	97.564
	22	44972	45058	44607	44202	44816	44732	45192	44759	45561	44901	45078	45229	97.694
	23	44470	44621	44680	45042	44678	45237	44978	45374	44612	44461	45089	45154	97.565

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44812	44532	45198	44976	44913	44717	44891	44587	44380	45106	44880	45113	97.515	
	1	44742	44849	44868	45073	44660	45104	44849	45126	44724	44451	45117	45786	97.737	
	2	45133	45254	44993	45059	44737	45223	44776	45211	44535	44851	44766	44011	97.593	
	3	44877	44735	45163	45136	44847	45125	45306	44868	45107	44443	44436	44894	97.664	
	4	44989	45187	45069	44355	44635	45656	44780	45041	44980	45432	45150	44799	97.869	
	5	45493	44968	44662	45335	45255	45393	44624	44939	44829	44748	44472	45395	97.876	
	6	44734	45376	44801	45290	44941	44704	45269	45398	44754	45013	45419	45218	98.022	
	7	45254	45222	45221	45422	45441	45590	45398	45254	45375	44867	44455	45836	98.460	
	8	44841	44994	44570	46161	44956	45151	44721	45092	45088	44760	45366	45074	97.996	
	9	45781	45149	44675	44917	44639	44939	45438	46007	44783	45354	45503	44990	98.250	
	10	45195	45395	44695	45226	44924	45008	45183	45399	45613	44573	45070	44879	98.066	
	11	45031	45569	45438	45245	45155	45438	45305	45775	45229	45177	45331	45345	98.587	
	12	44850	45495	45347	44786	44821	45687	45346	44714	45034	45263	45358	45265	98.212	
	13	44179	45587	44931	45012	45057	45075	44761	44432	45606	44724	45744	45127	97.898	
	14	44937	45358	45367	44682	45005	45176	44909	44813	45045	45085	44752	45061	97.890	
	15	45566	45101	45112	44600	44839	44787	45060	44934	44859	45207	44755	45346	97.886	
	16	45210	44803	45013	44469	44584	45288	44840	44722	44253	44975	45090	45155	97.566	
	17	45129	45164	45391	44791	44648	44896	44766	45163	44743	44537	44750	45326	97.730	
	18	44617	44659	44899	44653	44540	45068	45447	45004	44531	44313	44614	44274	97.244	
	19	44976	44806	44553	45099	44393	45239	45015	44692	44457	44259	44698	44700	97.292	
	20	44846	44930	44884	44686	44711	44650	44584	44711	45183	45228	45091	44177	97.435	
	21	45289	44784	44142	44201	44978	44962	44981	45125	44479	44834	45044	44657	97.398	
	22	45194	44504	44513	44377	44611	44512	44503	44467	44318	45325	44526	43793	96.885	
	23	44669	44576	43838	44112	44976	44746	44611	44272	44879	44964	44375	45377	97.021	
22	0	45018	44988	44371	44486	44827	44953	45153	44583	44352	44651	44083	44759	97.167	
	1	44978	44579	45000	44273	44862	44865	45405	45380	43921	44262	44819	44952	97.366	
	2	44604	44523	44273	45265	44194	44977	44360	44606	44697	43870	44714	44841	96.936	
	3	45382	45221	44549	44691	44401	44297	44652	45079	45052	44627	44554	44801	97.368	
	4	44206	44440	44712	44930	44500	45096	44522	44573	44645	44643	45185	44162	97.060	
	5	44528	44746	45002	44487	44704	44896	44771	45025	44388	45695	44570	45291	97.512	
	6	44541	45224	44745	45232	45293	44826	44817	45253	44875	44924	45573	44889	97.891	
	7	44915	45294	45264	45564	44690	44609	44590	44719	44520	45106	44864	45686	97.823	
	8	45076	44672	45601	45189	44241	45409	45900	45308	45412	44715	45136	44652	98.094	
	9	44939	45649	45405	45077	45462	45263	44761	44963	45113	45837	45052	44881	98.291	
	10	46141	44477	45023	45210	44696	44558	45265	45125	44743	44957	44137	45425	97.811	
	11	44804	44834	45172	44643	45158	44993	44252	44877	45648	44804	44622	44185	97.492	
	12	45496	44822	45490	44940	45409	45197	44431	44898	45171	44244	44725	45029	97.828	
	13	44525	44720	44689	45066	44858	45726	45032	44606	44222	44920	44256	45273	97.474	
	14	44425	45210	44581	44863	44266	44780	44537	44664	44807	44701	45050	44920	97.277	
	15	44433	45084	44400	45693	44904	44954	44527	45137	45186	44930	44481	45484	97.714	
	16	45143	44083	44420	44978	44089	45564	44537	44942	44728	44593	44796	45420	97.365	
	17	44205	45138	44773	44768	45010	45094	45273	44192	44885	44608	45049	44552	97.411	
	18	44824	44959	44953	44860	45295	44780	45045	44810	44825	44567	44766	44632	97.551	
	19	44738	44469	44818	45013	45284	44429	44817	44727	45509	44464	45175	44669	97.514	
	20	45031	44522	44671	44584	44944	44993	45729	44272	44220	44498	44906	44286	97.250	
	21	44511	44436	44579	44472	44925	44517	44911	45324	44291	44857	45352	44630	97.277	
	22	44963	45063	44383	44977	44600	45187	44972	44816	44920	45037	44952	45371	97.718	
	23	44889	45026	43907	44943	45209	44705	45437	44974	44653	44978	45089	44892	97.621	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44471	44698	44928	44579	43703	44963	44931	44800	44637	44466	45204	44612	97.123
	1	45208	44904	44392	44565	45165	44371	43954	44471	44689	44025	44380	44351	96.854
	2	44446	44566	44436	44858	44918	44280	45159	44411	44729	44581	44533	44793	97.078
	3	44919	44860	45079	44307	44626	44452	44640	44186	44576	44616	45047	44832	97.156
	4	44414	44693	45138	44476	44536	44277	44869	44345	44795	44723	45128	44415	97.096
	5	44433	44680	44354	45174	45177	44655	45242	45192	44491	44522	44628	44509	97.323
	6	44310	45093	45011	44885	44614	45197	44965	44732	44645	44826	44987	45215	97.580
	7	44326	44724	45150	44681	44747	44706	44614	44706	44144	44830	44853	45425	97.295
	8	45094	44815	44607	45013	44334	44404	44985	44641	44760	44599	44244	45252	97.266
	9	44894	44547	44855	45314	45064	44759	44813	44963	44904	45027	45411	44312	97.650
	10	44699	44197	44042	44923	45223	44552	44412	44910	45561	44854	45085	44457	97.297
	11	44604	44982	44872	45077	45132	44640	44637	44958	44269	45142	44760	44513	97.418
	12	44243	44391	45145	44965	44751	44580	44930	44258	44500	44661	44092	44459	96.945
	13	45374	44463	44532	45285	45102	45614	45329	44982	45026	44096	44450	44362	97.604
	14	44741	44061	44969	44841	44681	45111	45147	44538	45351	44801	44877	45071	97.528
	15	44486	45372	45611	44990	44991	45094	44935	44891	44938	44967	45109	44704	97.872
	16	45145	44679	44994	44821	44331	44958	44548	44634	44465	44876	44886	44933	97.361
	17	45141	44911	44693	44945	45121	45063	44779	44389	44887	44243	44677	45074	97.479
	18	45856	44806	44529	44753	45364	44461	44298	44243	44479	44564	44357	44795	97.223
	19	44653	44768	44931	44755	44623	45010	44798	44512	44439	45114	44840	45066	97.404
	20	44524	44524	44552	45287	45177	44769	45259	44786	44919	44376	44816	44400	97.383
	21	44590	44497	44982	44788	44337	44764	45141	44799	44709	44730	44728	45000	97.324
	22	44724	44386	45348	45624	44554	44400	44645	44834	44394	44802	44456	45448	97.424
	23	44783	44650	44543	45047	44602	44831	44814	44400	44755	44061	44973	44529	97.129
24	0	44766	44924	44573	45031	44718	44372	44176	44935	44955	45005	44634	44761	97.279
	1	44334	44756	44899	44954	44606	45001	44861	44423	44481	44804	44529	44877	97.226
	2	44488	44877	44594	45251	44565	45253	44559	44644	44253	44485	44586	45038	97.238
	3	44528	44681	44504	43927	44705	44659	44557	45266	44450	44493	44442	44636	96.922
	4	44670	44293	44382	45081	44758	44964	44943	44986	44352	45425	44725	44597	97.344
	5	44902	45293	44396	44800	44309	45659	45013	44422	45292	44457	44256	44932	97.444
	6	44630	44730	45387	44539	45056	45013	45016	44627	44489	44916	45202	44995	97.602
	7	44617	45613	44745	44359	44994	45151	44409	44823	44704	44801	44859	44476	97.412
	8	44696	44295	44161	44996	44994	44709	44719	44461	44275	44768	45155	45543	97.270
	9	45073	44563	44285	45557	44795	44555	44884	44545	45057	44139	44623	45401	97.399
	10	44482	44772	44379	44820	45008	44898	44506	44685	44971	44947	44316	44578	97.196
	11	45660	45257	44323	44667	44792	45049	44379	45485	44718	44675	45086	44294	97.562
	12	44699	44073	44875	45099	44591	44817	44748	44891	44900	44516	44582	44056	97.103
	13	44749	44934	44929	44711	44428	44073	45054	44329	44759	44560	44470	44816	97.097
	14	45486	44291	44820	45106	44391	44826	44540	44685	45435	45240	44506	44354	97.435
	15	44699	44491	44643	44740	44172	44648	44913	44816	44538	44830	45475	45182	97.339
	16	44474	45328	44382	44509	45023	44655	45157	44736	44755	44737	45259	44642	97.431
	17	45188	44801	44482	45160	44900	44682	44762	43733	44422	44605	44555	45101	97.202
	18	45007	44467	44733	44491	44804	44711	44756	44632	44372	45038	45299	45072	97.381
	19	44768	44595	44728	44896	44509	44571	44675	44882	44692	44578	44073	45259	97.172
	20	45102	44479	44893	45025	44364	45230	44729	45022	44427	45506	44973	44615	97.559
	21	45278	44924	44445	45203	45003	44953	44770	44670	44445	44948	44913	44356	97.477
	22	43900	45289	44997	44977	44625	44580	44416	44520	44871	44732	44992	45173	97.325
	23	44945	45261	44372	44728	44950	44374	44964	44566	44684	44235	44504	44420	97.131

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	44317	44768	44566	44797	44797	44484	44452	44499	44348	44467	44474	44605	96.870	
	1	44892	44858	44814	44756	44497	44978	44758	44338	44915	43596	45392	44972	97.270	
	2	44962	45112	44986	44135	44907	44499	44471	44834	44728	44801	44626	44683	97.266	
	3	45110	44538	45237	44784	44236	44298	45486	44868	44914	44890	44733	44841	97.481	
	4	44714	44827	45084	44438	44700	44446	44651	44793	45257	45187	44392	44381	97.288	
	5	44637	44454	44724	45130	43957	45236	44914	44482	45214	44451	45563	44960	97.443	
	6	44629	45844	45075	45093	44991	44826	44915	44896	44827	45035	44912	44611	97.793	
	7	44444	45159	44669	44741	44918	44638	44739	45196	44674	44555	45499	44723	97.485	
	8	44858	44284	45015	44666	44702	45142	44925	44709	44696	44043	44986	45038	97.324	
	9	44807	44782	44424	44843	45045	45116	44875	44839	44054	45043	44766	45094	97.437	
	10	45001	44810	44190	44706	45242	44278	44777	45060	44695	45112	44650	45155	97.435	
	11	44846	45151	44799	44687	44726	43930	44825	44383	44846	45693	44814	45045	97.447	
	12	44684	44931	44674	44191	45095	44865	44746	45000	45336	44848	44609	44888	97.470	
	13	44896	45202	44743	44492	44723	44934	45153	44270	44911	44593	44952	44799	97.433	
	14	44663	45005	45067	44749	45155	44317	44441	44785	44566	44740	44400	44365	97.176	
	15	44090	44972	44597	44632	44534	44655	44411	44888	44674	44684	44584	44476	96.986	
	16	45220	45001	44663	44417	44328	44266	45075	44777	44044	44357	45088	44773	97.132	
	17	45769	44203	44954	44483	44198	44273	45081	44805	44485	44668	44222	44455	97.058	
	18	44816	45100	45064	44365	44799	44879	44402	44693	44531	43928	44524	45013	97.152	
	19	44572	44452	44985	44479	44754	44630	44542	45380	45090	44480	44493	44458	97.188	
	20	44486	45033	44607	44753	44914	44522	44895	43934	44471	44710	44739	45126	97.166	
	21	44755	44414	45093	43824	44792	44762	44177	44626	44813	44616	44605	44253	96.901	
	22	44061	44546	44669	44302	44318	44664	45032	45208	44812	44539	44097	43985	96.810	
	23	44311	44561	44569	44191	43966	45351	44626	45013	45368	44354	44496	44617	97.027	
26	0	44318	44413	44687	44209	44555	44396	44319	44359	44904	44439	45039	44484	96.783	
	1	44610	44818	44321	44744	44530	44326	44581	45160	44649	44739	44382	44601	97.033	
	2	44424	44777	44468	45028	44882	43865	44745	44098	44334	44545	44666	44794	96.882	
	3	44932	44941	44997	44624	45395	44927	45547	44265	44427	45034	44860	44697	97.610	
	4	44566	44859	45357	44548	44335	45107	45147	45009	45082	45010	44356	44907	97.545	
	5	44584	44891	44870	45051	44615	45278	43646	44755	44532	44721	44606	44482	97.137	
	6	44912	45283	44937	44606	44178	44572	45093	44915	44894	45176	44680	45045	97.546	
	7	44679	44846	45075	44811	44843	44520	44972	44722	44509	44845	45081	44734	97.427	
	8	44769	44682	44817	44933	44336	44540	44608	44904	44666	44970	44645	44937	97.277	
	9	44989	44442	44926	44299	44766	44812	44509	44494	45107	44325	44414	44795	97.109	
	10	44699	44681	44218	44496	44094	45232	44666	44700	45019	44360	44219	44569	96.941	
	11	44957	44911	44881	44836	44913	44557	45008	44670	44656	44787	44502	44816	97.401	
	12	44625	44320	44136	44605	44421	44496	44886	43978	44976	44398	44842	44230	96.753	
	13	45035	44461	44214	44689	44357	44682	44295	44784	44704	44240	44902	44998	97.015	
	14	44530	44437	44857	44680	44788	44150	44514	44334	45043	44741	45102	44919	97.148	
	15	44540	44849	44577	44087	44226	44569	44496	44644	44466	44838	44415	44924	96.883	
	16	44603	44787	44509	44478	44566	44868	44420	44539	44726	44576	44664	44653	97.020	
	17	44727	44395	44254	44360	44812	45078	44016	44933	44466	44120	44788	44653	96.877	
	18	45056	44495	44740	45466	44782	44842	44969	44414	44564	44292	44876	44419	97.297	
	19	44693	44386	44136	44965	44934	45607	44722	44541	44592	44733	44660	44454	97.208	
	20	44377	44082	44661	45007	44939	44682	44678	45426	44372	44761	44945	44722	97.249	
	21	44644	45085	44573	44376	44536	44689	43985	44397	44455	44690	44988	44558	96.945	
	22	44626	44788	44326	44839	44636	45403	44763	44779	45283	44844	44690	44770	97.447	
	23	44783	44888	44233	44562	44161	44724	44792	44096	44873	44667	44528	45022	97.010	

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											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	45157	44953	44440	44825	45045	44274	44659	45268	45351	44735	44516	44813	97.488
	1	44958	44613	44556	44846	44975	44688	45736	44358	45033	44660	44623	44533	97.417
	2	45110	45220	44521	44778	44747	44778	44772	44400	44488	44689	44845	44212	97.232
	3	44874	44341	43945	44653	44885	45137	44642	44895	44289	44540	44787	44999	97.128
	4	44772	45694	44663	45167	44330	44368	44983	45619	45327	45555	44915	45188	97.961
	5	44567	44816	45417	45275	44868	44264	44936	44999	44576	44564	44793	44975	97.502
	6	44945	44781	44443	44794	44802	44980	44454	45196	44975	45615	45959	44914	97.830
	7	44491	44999	44535	44965	45294	45032	44920	44862	45312	44318	44310	44647	97.436
	8	44335	44966	44794	44907	45106	44919	44514	44979	45156	44803	44986	45551	97.677
	9	45014	44842	44781	44984	45309	45408	44720	44670	44698	44322	44855	45552	97.702
	10	44533	45122	44864	45105	45055	44648	44619	44611	45064	44471	45142	44557	97.455
	11	44797	45159	45292	45317	44465	44546	45121	44617	44606	45343	45315	45259	97.826
	12	44375	45143	45039	44625	44526	45230	45193	44451	44115	44893	44781	45465	97.464
	13	44688	44465	44770	44592	44870	44671	45084	44051	44730	45235	44775	44697	97.245
	14	44909	44314	45035	44619	44483	44428	44331	45280	45063	44036	45756	44652	97.296
	15	44523	44463	44520	44848	44196	44707	45189	44880	44758	44827	44526	44469	97.114
	16	44855	45134	44981	44796	44536	45088	44200	44604	45060	44465	44690	44476	97.292
	17	44938	44253	44153	44834	44964	44475	44385	44777	44692	44572	45123	45196	97.196
	18	45079	45009	44688	44298	44825	44782	44361	44343	44880	44555	44066	44678	97.051
	19	45325	45097	45340	45270	44502	43849	44392	44631	44808	45452	45210	45242	97.697
	20	44850	44463	45009	44716	45145	44803	44512	44271	44707	44876	45221	45001	97.416
	21	45223	45317	45210	44639	45316	45252	45273	45321	44908	45148	45014	45276	98.200
	22	44287	45170	44730	44620	45248	44642	44523	44224	45011	45292	45121	44683	97.412
	23	44580	44960	45150	44862	44530	44907	45464	45488	45089	44663	45212	45286	97.890
28	0	44802	44907	44887	44989	45276	45142	44796	44836	44609	45171	45061	45452	97.840
	1	45028	45606	44856	44977	45134	44944	44903	44476	44772	44945	45101	44700	97.754
	2	45035	45202	44931	44791	44662	45164	45104	45301	45362	44337	44675	44683	97.719
	3	44718	45095	45097	45241	45538	44897	44938	45200	44800	44587	45416	44671	97.892
	4	44881	45162	45020	44731	45740	45249	44815	46132	45068	45228	45360	45223	98.328
	5	45050	44943	44867	45077	44515	44795	44785	45366	45668	45081	44193	45097	97.754
	6	45214	44330	45191	44604	45041	44041	45424	44582	44317	45293	45227	45408	97.616
	7	45396	44807	45670	44975	45150	44957	44653	45077	44391	44809	45414	44573	97.833
	8	45350	45010	44955	44890	45279	44910	45023	44145	45281	44415	44778	44823	97.649
	9	44887	45177	45084	44845	45034	45047	44720	44443	45016	45095	44787	45327	97.758
	10	45277	45090	44455	45027	44793	45164	44913	44985	44978	44984	44606	45125	97.746
	11	44879	45489	44918	45266	44883	44626	45168	44444	44661	44934	45005	45005	97.725
	12	44677	44753	44591	44571	44897	44364	44511	45154	44851	45008	45035	45103	97.405
	13	44043	44583	44666	44611	44080	44690	45009	45032	45021	45194	44771	44515	97.170
	14	45129	44684	44740	45134	44604	44336	45175	44601	44697	44241	44666	44916	97.298
	15	43983	44907	45025	44925	44438	44794	43910	44449	45169	44539	44420	44979	97.047
	16	44517	44242	44677	44498	44601	44226	44943	44090	45293	45044	44702	44544	97.018
	17	44972	45017	44603	44611	44481	45342	44662	44191	44803	44743	44970	44501	97.294
	18	45252	44686	44454	45030	44719	44653	44650	44669	44978	44566	44514	44304	97.218
	19	44909	45047	44145	44726	44303	44701	45143	44928	45082	44365	44928	44530	97.277
	20	44918	45046	44781	44492	44161	44781	44702	44972	44789	44932	45242	44980	97.456
	21	44910	44886	45446	44680	44961	44968	44652	44695	44935	44699	45201	44658	97.618
	22	45612	44701	45032	45343	45154	45241	45044	44592	45252	44466	45568	43852	97.830
	23	44211	44847	44949	45008	45062	44685	44602	45190	44602	44708	44404	45689	97.486

		S.V.I.R.CO. Observatory - Pressure Corrected Data – April 2015											20 NM-64	
		INAF/UNIRomaTre											h-norm	
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	
29	0	44837	45398	44997	44969	44516	45220	44292	44650	44699	44888	44597	44676	97.449
	1	44489	44831	45314	44529	45598	45113	45429	45004	44787	45000	44532	44748	97.743
	2	44921	45207	45116	45280	44921	44932	45343	44668	45104	44480	44612	44184	97.633
	3	45433	44568	45024	44813	44905	45093	44488	44779	44748	43678	45079	44670	97.363
	4	45142	45060	45206	45522	44352	44752	44422	44313	44395	44601	44875	44818	97.395
	5	44850	44638	44455	44742	44789	44209	44360	44770	44454	44350	44646	44528	96.912
	6	44268	45053	44713	44875	44971	45051	45247	44952	44752	45124	45306	45234	97.773
	7	44569	44679	44941	44833	44774	45049	44115	44897	45025	44645	44811	45100	97.391
	8	44094	44661	45261	45311	44595	44396	45016	44308	44718	44789	45060	44726	97.300
	9	44829	45261	45198	44835	44761	44539	44751	44305	44957	44777	45016	44949	97.525
	10	44670	44701	45000	45369	44771	44407	45247	44922	44743	45415	44790	44820	97.648
	11	45171	44029	45374	45206	45061	45118	44900	44874	45239	45539	44489	44286	97.727
	12	44872	44205	45368	44934	44892	44599	44695	44794	44707	45363	44753	45340	97.588
	13	45040	45031	44525	44732	44594	45298	45210	44509	44604	44780	45040	44415	97.453
	14	44352	44851	44916	45798	44671	44236	44724	44945	45160	45268	44428	44984	97.554
	15	44678	44594	44305	44784	44868	44572	44366	45030	44843	45009	44458	44662	97.161
	16	45501	45097	45836	45035	44243	44940	45232	44984	45469	44508	44582	45629	98.047
	17	45217	44893	45038	44498	44692	45363	45203	44815	44728	44804	44652	44950	97.648
	18	44912	44767	44779	44843	44693	44442	45029	45200	45113	44782	45291	45980	97.824
	19	45239	45089	45007	44932	45245	45277	44962	45160	45295	45397	44545	44927	98.051
	20	44770	45534	45258	44703	45768	44965	44958	45110	44927	44531	44913	45556	98.036
	21	45828	45620	44874	44946	45012	44896	44580	45372	45057	45068	44878	45452	98.143
	22	45226	45115	45308	44913	44696	45393	45343	45223	45585	44946	45213	44973	98.206
	23	44991	45138	44579	45177	45165	44516	44859	45583	44929	45199	45665	45533	98.098
30	0	44871	44753	44674	45245	45591	45395	45173	45247	45156	44726	44616	44351	97.816
	1	44747	45352	45284	45174	44796	45320	45258	44731	44787	45092	45191	44484	97.895
	2	45290	45548	45093	45497	45061	45478	44430	44810	44755	45347	45414	44790	98.130
	3	44582	45008	45341	45054	45305	44912	44969	44954	44809	44774	45416	45000	97.878
	4	44595	44933	45172	44436	44828	44805	44805	44690	44824	45001	44948	44178	97.351
	5	44948	44426	44729	44959	45047	45037	44748	44423	44708	44720	44949	44812	97.404
	6	44838	45446	45155	44703	45225	44909	45471	45267	45384	44831	45144	45628	98.218
	7	45328	45618	44886	45560	45032	45852	45450	45445	45774	45190	45669	44966	98.720
	8	45147	45219	44807	45291	44835	44601	45600	45807	45438	44753	44867	44465	98.006
	9	45221	45206	45330	45067	45574	45465	45229	45375	45159	45435	45084	45657	98.545
	10	45004	45227	45826	45530	45441	45743	45207	44904	45516	45249	45565	45605	98.729
	11	45761	44965	45285	45436	45298	44441	45145	45099	45299	45218	44574	45114	98.152
	12	44802	44883	44703	45086	45067	45250	45531	44858	45055	44627	45534	45406	98.001
	13	44512	44301	44546	44839	44663	45639	44627	44390	44895	45281	45133	45117	97.483
	14	44496	44603	44771	45174	44507	44938	44845	45288	44801	44640	45319	44800	97.526
	15	44889	45001	44894	45169	45018	44520	44390	44600	44434	45241	44501	44041	97.257
	16	44734	44357	44802	44916	44960	44701	44539	44856	44531	44704	44852	44258	97.169
	17	44002	44208	44743	44713	44425	44329	44309	44896	44918	44184	44882	44561	96.799
	18	44572	43927	44625	44533	44221	44802	44659	44762	44785	44764	45000	44335	96.947
	19	44545	44724	44226	44504	44724	44976	44273	44658	44742	44510	45032	44592	97.041
	20	45020	43624	44791	44418	45127	44015	44361	44912	44917	43997	44024	44539	96.722
	21	44772	44202	44219	44474	44487	44831	44332	44075	44543	44370	44565	45065	96.757
	22	44713	44158	44303	44386	44455	44423	43997	44316	44011	44806	44796	44458	96.555
	23	44274	44307	44503	44667	44427	44237	44742	44699	44936	44450	45080	44238	96.870

S.V.I.R.CO. Observatory - Pressure in hectoPascal – April 2015

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	1009.72	1009.77	1009.78	1009.73	1009.75	1009.74	1009.69	1009.72	1009.74	1009.71	1009.64	1009.58	1009.71
	1	1009.48	1009.37	1009.31	1009.28	1009.33	1009.36	1009.27	1009.22	1009.23	1009.25	1009.24	1009.20	1009.29
	2	1009.16	1009.10	1009.07	1009.05	1009.05	1009.00	1008.98	1009.00	1009.02	1009.09	1009.13	1009.13	1009.06
	3	1009.13	1009.13	1009.18	1009.19	1009.12	1009.01	1008.94	1009.03	1009.10	1009.08	1009.13	1009.17	1009.10
	4	1009.18	1009.24	1009.27	1009.27	1009.30	1009.35	1009.40	1009.45	1009.43	1009.36	1009.34	1009.43	1009.33
	5	1009.51	1009.61	1009.76	1009.88	1009.93	1009.98	1010.04	1010.07	1010.15	1010.24	1010.28	1010.24	1009.97
	6	1010.27	1010.33	1010.35	1010.38	1010.37	1010.27	1010.13	1010.22	1010.47	1010.64	1010.78	1010.91	1010.42
	7	1010.99	1011.02	1011.02	1011.02	1011.01	1011.11	1011.19	1011.20	1011.19	1011.17	1011.25	1011.32	1011.12
	8	1011.36	1011.49	1011.57	1011.53	1011.46	1011.48	1011.60	1011.71	1011.75	1011.72	1011.67	1011.65	1011.58
	9	1011.66	1011.66	1011.66	1011.61	1011.58	1011.58	1011.51	1011.48	1011.51	1011.55	1011.55	1011.52	1011.57
	10	1011.55	1011.55	1011.49	1011.45	1011.44	1011.36	1011.30	1011.32	1011.33	1011.31	1011.29	1011.27	1011.39
	11	1011.24	1011.21	1011.17	1011.15	1011.12	1011.03	1010.92	1010.84	1010.85	1010.88	1010.89	1010.86	1011.01
	12	1010.82	1010.84	1010.86	1010.81	1010.69	1010.57	1010.53	1010.48	1010.46	1010.42	1010.33	1010.33	1010.59
	13	1010.32	1010.27	1010.22	1010.17	1010.11	1010.02	1009.98	1010.01	1010.00	1009.94	1009.87	1009.85	1010.06
	14	1009.82	1009.79	1009.80	1009.78	1009.88	1009.95	1009.95	1010.00	1010.06	1010.14	1010.15	1010.10	1009.95
	15	1010.10	1010.14	1010.15	1010.17	1010.17	1010.16	1010.16	1010.18	1010.26	1010.30	1010.32	1010.34	1010.20
	16	1010.33	1010.33	1010.35	1010.41	1010.47	1010.46	1010.40	1010.34	1010.33	1010.35	1010.37	1010.37	1010.37
	17	1010.38	1010.42	1010.47	1010.49	1010.48	1010.46	1010.47	1010.55	1010.62	1010.66	1010.74	1010.85	1010.55
	18	1010.92	1010.98	1011.05	1011.09	1011.12	1011.18	1011.23	1011.27	1011.31	1011.34	1011.48	1011.57	1011.21
	19	1011.66	1011.79	1011.77	1011.73	1011.76	1011.85	1011.94	1011.99	1012.07	1012.19	1012.24	1012.27	1011.94
	20	1012.35	1012.42	1012.46	1012.46	1012.47	1012.53	1012.65	1012.77	1012.89	1012.89	1012.84	1012.84	1012.63
	21	1012.88	1012.96	1013.07	1013.14	1013.18	1013.25	1013.35	1013.50	1013.58	1013.50	1013.47	1013.61	1013.29
	22	1013.82	1013.94	1013.93	1013.92	1014.02	1014.12	1014.19	1014.34	1014.38	1014.36	1014.28	1014.21	1014.12
	23	1014.27	1014.32	1014.40	1014.42	1014.36	1014.36	1014.39	1014.48	1014.55	1014.59	1014.65	1014.67	1014.45
2	0	1014.56	1014.52	1014.57	1014.75	1014.85	1014.82	1014.72	1014.66	1014.65	1014.69	1014.73	1014.70	1014.69
	1	1014.65	1014.64	1014.65	1014.64	1014.60	1014.59	1014.62	1014.65	1014.69	1014.68	1014.70	1014.69	1014.65
	2	1014.64	1014.62	1014.61	1014.61	1014.61	1014.58	1014.54	1014.53	1014.54	1014.49	1014.42	1014.43	1014.55
	3	1014.46	1014.44	1014.44	1014.49	1014.54	1014.57	1014.55	1014.52	1014.55	1014.61	1014.64	1014.65	1014.54
	4	1014.69	1014.78	1014.89	1014.97	1015.01	1015.07	1015.12	1015.23	1015.35	1015.42	1015.49	1015.55	1015.13
	5	1015.60	1015.62	1015.65	1015.70	1015.77	1015.85	1015.91	1015.96	1016.01	1016.07	1016.08	1016.13	1015.86
	6	1016.21	1016.22	1016.19	1016.19	1016.28	1016.36	1016.42	1016.47	1016.47	1016.48	1016.51	1016.54	1016.36
	7	1016.54	1016.52	1016.51	1016.51	1016.51	1016.51	1016.56	1016.61	1016.64	1016.68	1016.71	1016.69	1016.58
	8	1016.64	1016.63	1016.65	1016.67	1016.67	1016.68	1016.67	1016.63	1016.64	1016.66	1016.66	1016.68	1016.66
	9	1016.68	1016.62	1016.57	1016.55	1016.53	1016.48	1016.43	1016.44	1016.41	1016.34	1016.31	1016.22	1016.46
	10	1016.10	1016.01	1015.96	1015.92	1015.87	1015.83	1015.81	1015.70	1015.56	1015.50	1015.43	1015.40	1015.76
	11	1015.34	1015.31	1015.29	1015.21	1015.15	1015.14	1015.11	1015.12	1015.14	1015.14	1015.15	1015.17	1015.19
	12	1015.16	1015.09	1014.99	1014.98	1015.00	1014.95	1014.94	1014.90	1014.81	1014.71	1014.64	1014.61	1014.90
	13	1014.56	1014.49	1014.43	1014.42	1014.41	1014.41	1014.42	1014.42	1014.37	1014.31	1014.30	1014.29	1014.40
	14	1014.22	1014.15	1014.06	1014.01	1013.94	1013.86	1013.82	1013.73	1013.69	1013.68	1013.61	1013.59	1013.86
	15	1013.61	1013.60	1013.52	1013.43	1013.34	1013.28	1013.28	1013.23	1013.17	1013.23	1013.26	1013.22	1013.35
	16	1013.21	1013.22	1013.21	1013.17	1013.16	1013.20	1013.25	1013.29	1013.27	1013.19	1013.13	1013.15	1013.20
	17	1013.20	1013.23	1013.27	1013.27	1013.31	1013.39	1013.38	1013.36	1013.40	1013.41	1013.40	1013.40	1013.33
	18	1013.41	1013.42	1013.46	1013.55	1013.58	1013.58	1013.56	1013.53	1013.52	1013.49	1013.54	1013.61	1013.52
	19	1013.60	1013.59	1013.65	1013.72	1013.72	1013.74	1013.82	1013.91	1013.98	1014.05	1014.10	1014.14	1013.83
	20	1014.17	1014.19	1014.24	1014.32	1014.31	1014.29	1014.31	1014.29	1014.26	1014.26	1014.30	1014.35	1014.27
	21	1014.36	1014.37	1014.37	1014.36	1014.36	1014.32	1014.30	1014.33	1014.33	1014.33	1014.42	1014.47	1014.36
	22	1014.45	1014.42	1014.41	1014.43	1014.41	1014.37	1014.31	1014.24	1014.17	1014.12	1014.06	1013.99	1014.28
	23	1013.90	1013.81	1013.79	1013.77	1013.75	1013.63	1013.44	1013.34	1013.34	1013.37	1013.38	1013.37	1013.57

S.V.I.R.CO. Observatory - Pressure in hectoPascal – April 2015

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1013.44	1013.45	1013.43	1013.40	1013.38	1013.35	1013.31	1013.25	1013.21	1013.16	1013.16	1013.15	1013.30
	1	1013.14	1013.21	1013.17	1013.04	1013.01	1013.04	1013.04	1012.98	1012.92	1012.90	1012.83	1012.74	1013.00
	2	1012.70	1012.71	1012.65	1012.60	1012.58	1012.51	1012.51	1012.55	1012.65	1012.75	1012.83	1012.85	1012.66
	3	1012.86	1012.93	1012.96	1012.98	1012.99	1012.95	1012.93	1012.99	1013.07	1013.09	1013.06	1013.06	1012.99
	4	1013.07	1013.11	1013.13	1013.12	1013.07	1013.00	1012.98	1013.01	1013.02	1013.03	1013.05	1013.10	1013.06
	5	1013.16	1013.11	1013.06	1013.11	1013.18	1013.21	1013.22	1013.26	1013.30	1013.32	1013.36	1013.35	1013.22
	6	1013.32	1013.36	1013.43	1013.51	1013.57	1013.65	1013.77	1013.88	1013.96	1014.01	1013.97	1013.95	1013.70
	7	1014.01	1014.11	1014.17	1014.20	1014.19	1014.20	1014.25	1014.30	1014.34	1014.38	1014.45	1014.49	1014.25
	8	1014.51	1014.55	1014.60	1014.68	1014.71	1014.67	1014.63	1014.62	1014.61	1014.57	1014.52	1014.45	1014.59
	9	1014.40	1014.41	1014.38	1014.32	1014.28	1014.23	1014.23	1014.27	1014.26	1014.26	1014.23	1014.14	1014.28
	10	1014.11	1014.13	1014.13	1014.12	1014.13	1014.08	1014.04	1014.04	1014.00	1013.97	1013.98	1014.00	1014.06
	11	1013.97	1013.95	1013.95	1013.98	1013.99	1013.95	1013.91	1013.87	1013.85	1013.85	1013.86	1013.89	1013.92
	12	1013.91	1013.92	1013.91	1013.86	1013.79	1013.74	1013.72	1013.73	1013.75	1013.75	1013.69	1013.61	1013.78
	13	1013.59	1013.61	1013.58	1013.57	1013.59	1013.58	1013.52	1013.46	1013.46	1013.50	1013.50	1013.51	1013.54
	14	1013.54	1013.56	1013.62	1013.64	1013.62	1013.66	1013.67	1013.69	1013.70	1013.72	1013.72	1013.69	1013.65
	15	1013.68	1013.68	1013.73	1013.74	1013.75	1013.78	1013.80	1013.80	1013.80	1013.84	1013.86	1013.84	1013.77
	16	1013.88	1013.96	1013.98	1014.01	1014.02	1014.00	1014.05	1014.13	1014.16	1014.20	1014.26	1014.31	1014.08
	17	1014.36	1014.39	1014.41	1014.45	1014.50	1014.54	1014.55	1014.59	1014.64	1014.67	1014.70	1014.74	1014.54
	18	1014.78	1014.84	1014.90	1014.92	1014.93	1014.97	1015.02	1015.06	1015.08	1015.11	1015.16	1015.18	1014.99
	19	1015.21	1015.28	1015.37	1015.43	1015.48	1015.53	1015.52	1015.49	1015.48	1015.47	1015.48	1015.49	1015.43
	20	1015.48	1015.49	1015.52	1015.54	1015.51	1015.47	1015.47	1015.50	1015.51	1015.50	1015.48	1015.47	1015.49
	21	1015.45	1015.44	1015.40	1015.33	1015.33	1015.37	1015.39	1015.42	1015.46	1015.46	1015.45	1015.49	1015.41
	22	1015.52	1015.53	1015.52	1015.51	1015.50	1015.50	1015.52	1015.54	1015.52	1015.51	1015.48	1015.43	1015.50
	23	1015.39	1015.36	1015.33	1015.30	1015.28	1015.25	1015.18	1015.14	1015.15	1015.16	1015.17	1015.14	1015.23
4	0	1015.04	1015.01	1014.93	1014.87	1014.86	1014.82	1014.73	1014.67	1014.63	1014.56	1014.47	1014.38	1014.73
	1	1014.30	1014.20	1014.16	1014.12	1014.03	1013.93	1013.88	1013.89	1013.92	1013.93	1013.90	1013.91	1014.01
	2	1013.90	1013.80	1013.72	1013.68	1013.64	1013.55	1013.48	1013.47	1013.46	1013.49	1013.49	1013.44	1013.59
	3	1013.37	1013.32	1013.31	1013.27	1013.22	1013.05	1012.93	1012.98	1013.01	1013.01	1012.94	1012.88	1013.11
	4	1012.88	1012.87	1012.82	1012.81	1012.79	1012.76	1012.78	1012.77	1012.73	1012.71	1012.65	1012.60	1012.76
	5	1012.62	1012.63	1012.62	1012.67	1012.78	1012.81	1012.78	1012.78	1012.77	1012.77	1012.71	1012.61	1012.71
	6	1012.54	1012.46	1012.38	1012.31	1012.25	1012.24	1012.27	1012.26	1012.24	1012.25	1012.24	1012.21	1012.30
	7	1012.21	1012.19	1012.09	1011.96	1011.90	1011.86	1011.84	1011.88	1011.93	1011.98	1011.98	1011.96	1011.98
	8	1011.92	1011.88	1011.89	1011.90	1011.88	1011.83	1011.76	1011.73	1011.75	1011.72	1011.68	1011.64	1011.80
	9	1011.60	1011.55	1011.48	1011.41	1011.29	1011.14	1011.03	1010.97	1010.94	1010.91	1010.83	1010.73	1011.15
	10	1010.63	1010.54	1010.45	1010.36	1010.28	1010.20	1010.08	1009.96	1009.89	1009.82	1009.70	1009.62	1010.12
	11	1009.59	1009.55	1009.51	1009.50	1009.45	1009.39	1009.29	1009.19	1009.11	1009.03	1008.94	1008.89	1009.28
	12	1008.90	1008.81	1008.70	1008.62	1008.50	1008.34	1008.20	1008.08	1007.92	1007.76	1007.63	1007.51	1008.25
	13	1007.40	1007.31	1007.28	1007.25	1007.17	1007.12	1007.01	1006.87	1006.79	1006.68	1006.52	1006.39	1006.98
	14	1006.32	1006.23	1006.08	1006.01	1006.03	1006.02	1006.02	1006.04	1006.04	1006.01	1006.01	1006.00	1006.07
	15	1005.97	1005.96	1005.91	1005.82	1005.73	1005.58	1005.39	1005.29	1005.24	1005.21	1005.19	1005.16	1005.53
	16	1005.12	1005.10	1005.11	1005.09	1005.05	1005.05	1005.08	1005.04	1004.99	1004.98	1004.99	1005.01	1005.05
	17	1004.99	1004.92	1004.85	1004.80	1004.79	1004.80	1004.78	1004.75	1004.69	1004.64	1004.64	1004.64	1004.77
	18	1004.64	1004.65	1004.70	1004.85	1004.93	1004.88	1005.01	1005.19	1005.27	1005.23	1005.12	1005.32	1004.98
	19	1005.68	1005.81	1005.62	1005.45	1005.41	1005.40	1005.43	1005.41	1005.41	1005.43	1005.47	1005.52	1005.50
	20	1005.42	1005.22	1005.14	1005.18	1005.23	1005.32	1005.14	1004.54	1004.37	1004.58	1004.52	1004.52	1004.93
	21	1004.62	1004.66	1004.63	1004.53	1004.42	1004.33	1004.25	1004.14	1004.02	1003.94	1003.85	1003.79	1004.26
	22	1003.76	1003.76	1003.83	1003.90	1003.92	1003.93	1003.92	1003.91	1003.91	1003.84	1003.73	1003.73	1003.84
	23	1003.71	1003.65	1003.62	1003.59	1003.54	1003.46	1003.36	1003.32	1003.30	1003.27	1003.23	1003.20	1003.44

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
5	0	1003.13	1003.12	1003.05	1002.97	1002.94	1002.92	1002.85	1002.81	1002.76	1002.66	1002.55	1002.41	1002.83
	1	1002.36	1002.38	1002.35	1002.26	1002.17	1002.10	1002.00	1001.93	1001.92	1001.88	1001.84	1001.84	1002.08
	2	1001.82	1001.72	1001.65	1001.64	1001.62	1001.60	1001.59	1001.52	1001.50	1001.52	1001.45	1001.37	1001.58
	3	1001.29	1001.21	1001.14	1001.08	1001.06	1001.03	1000.98	1000.92	1000.84	1000.76	1000.73	1000.73	1000.98
	4	1000.74	1000.73	1000.69	1000.70	1000.70	1000.70	1000.71	1000.69	1000.68	1000.71	1000.76	1000.78	1000.71
	5	1000.79	1000.80	1000.81	1000.85	1000.90	1000.91	1000.90	1000.93	1000.99	1001.04	1001.12	1001.14	1000.93
	6	1001.13	1001.14	1001.15	1001.16	1001.18	1001.21	1001.22	1001.24	1001.28	1001.32	1001.35	1001.37	1001.23
	7	1001.36	1001.34	1001.36	1001.40	1001.38	1001.32	1001.30	1001.36	1001.43	1001.45	1001.45	1001.46	1001.38
	8	1001.50	1001.53	1001.55	1001.58	1001.63	1001.67	1001.66	1001.65	1001.65	1001.62	1001.57	1001.58	1001.60
	9	1001.60	1001.60	1001.61	1001.64	1001.65	1001.63	1001.62	1001.63	1001.64	1001.65	1001.66	1001.67	1001.63
	10	1001.68	1001.70	1001.72	1001.74	1001.78	1001.81	1001.84	1001.87	1001.91	1001.94	1001.95	1001.96	1001.82
	11	1001.97	1001.98	1001.95	1001.93	1001.93	1001.93	1001.91	1001.89	1001.88	1001.87	1001.86	1001.87	1001.91
	12	1001.89	1001.89	1001.89	1001.89	1001.89	1001.90	1001.92	1001.94	1001.92	1001.91	1001.93	1001.96	1001.91
	13	1002.00	1002.03	1002.00	1001.98	1001.99	1001.99	1002.01	1002.01	1002.03	1002.06	1002.10	1002.16	1002.03
	14	1002.16	1002.17	1002.20	1002.22	1002.23	1002.25	1002.29	1002.31	1002.34	1002.39	1002.43	1002.44	1002.28
	15	1002.47	1002.51	1002.58	1002.65	1002.73	1002.80	1002.84	1002.89	1002.96	1003.02	1003.07	1003.10	1002.80
	16	1003.14	1003.18	1003.19	1003.20	1003.24	1003.28	1003.32	1003.36	1003.41	1003.48	1003.54	1003.60	1003.33
	17	1003.66	1003.70	1003.73	1003.76	1003.82	1003.88	1003.91	1003.96	1004.03	1004.10	1004.21	1004.33	1003.92
	18	1004.42	1004.49	1004.58	1004.67	1004.76	1004.87	1004.97	1005.03	1005.10	1005.21	1005.31	1005.38	1004.90
	19	1005.44	1005.51	1005.58	1005.64	1005.72	1005.80	1005.89	1005.99	1006.08	1006.17	1006.23	1006.28	1005.86
	20	1006.32	1006.37	1006.47	1006.52	1006.53	1006.52	1006.50	1006.52	1006.56	1006.59	1006.62	1006.65	1006.51
	21	1006.67	1006.71	1006.73	1006.75	1006.76	1006.79	1006.84	1006.89	1006.95	1007.00	1007.03	1007.08	1006.85
	22	1007.13	1007.16	1007.18	1007.22	1007.27	1007.30	1007.31	1007.35	1007.40	1007.41	1007.44	1007.49	1007.30
	23	1007.54	1007.57	1007.58	1007.63	1007.70	1007.74	1007.78	1007.81	1007.85	1007.91	1007.94	1007.95	1007.75
6	0	1007.95	1007.94	1007.94	1007.96	1007.96	1007.98	1007.98	1007.97	1008.00	1008.05	1008.05	1008.03	1007.98
	1	1008.06	1008.06	1008.07	1008.10	1008.09	1008.11	1008.16	1008.19	1008.22	1008.22	1008.24	1008.27	1008.15
	2	1008.31	1008.31	1008.27	1008.27	1008.29	1008.29	1008.32	1008.38	1008.43	1008.45	1008.47	1008.50	1008.35
	3	1008.53	1008.57	1008.58	1008.60	1008.63	1008.67	1008.71	1008.75	1008.82	1008.88	1008.95	1009.03	1008.72
	4	1009.11	1009.16	1009.22	1009.28	1009.33	1009.37	1009.44	1009.53	1009.61	1009.68	1009.75	1009.82	1009.44
	5	1009.88	1009.96	1010.04	1010.13	1010.23	1010.32	1010.40	1010.48	1010.56	1010.63	1010.65	1010.69	1010.33
	6	1010.72	1010.77	1010.82	1010.89	1010.95	1010.97	1011.02	1011.06	1011.07	1011.07	1011.11	1011.16	1010.96
	7	1011.19	1011.23	1011.26	1011.32	1011.38	1011.39	1011.39	1011.42	1011.47	1011.51	1011.57	1011.64	1011.39
	8	1011.73	1011.78	1011.81	1011.86	1011.89	1011.92	1011.98	1012.06	1012.12	1012.11	1012.12	1012.17	1011.96
	9	1012.21	1012.21	1012.21	1012.25	1012.29	1012.26	1012.22	1012.25	1012.26	1012.25	1012.23	1012.22	1012.24
	10	1012.23	1012.27	1012.33	1012.33	1012.31	1012.33	1012.36	1012.35	1012.34	1012.37	1012.40	1012.41	1012.33
	11	1012.39	1012.40	1012.43	1012.45	1012.46	1012.46	1012.49	1012.54	1012.57	1012.58	1012.60	1012.60	1012.49
	12	1012.59	1012.58	1012.60	1012.65	1012.66	1012.66	1012.67	1012.73	1012.74	1012.70	1012.64	1012.59	1012.65
	13	1012.57	1012.60	1012.64	1012.66	1012.66	1012.71	1012.73	1012.69	1012.68	1012.72	1012.72	1012.73	1012.67
	14	1012.81	1012.86	1012.87	1012.92	1012.98	1013.00	1013.04	1013.09	1013.13	1013.15	1013.13	1013.08	1013.00
	15	1013.09	1013.13	1013.16	1013.19	1013.27	1013.35	1013.40	1013.42	1013.46	1013.49	1013.53	1013.60	1013.34
	16	1013.62	1013.64	1013.70	1013.79	1013.87	1013.97	1014.11	1014.17	1014.24	1014.32	1014.37	1014.43	1014.02
	17	1014.48	1014.55	1014.64	1014.70	1014.77	1014.83	1014.88	1014.97	1015.09	1015.21	1015.29	1015.38	1014.90
	18	1015.45	1015.54	1015.63	1015.66	1015.72	1015.86	1015.98	1016.08	1016.20	1016.30	1016.39	1016.46	1015.94
	19	1016.56	1016.69	1016.85	1017.03	1017.19	1017.34	1017.48	1017.59	1017.67	1017.75	1017.85	1017.91	1017.32
	20	1017.99	1018.13	1018.24	1018.30	1018.32	1018.36	1018.45	1018.52	1018.58	1018.58	1018.65	1018.78	1018.41
	21	1018.88	1018.94	1018.98	1019.01	1019.06	1019.13	1019.22	1019.29	1019.34	1019.39	1019.43	1019.46	1019.18
	22	1019.52	1019.58	1019.64	1019.70	1019.76	1019.83	1019.87	1019.89	1019.91	1019.96	1020.02	1020.03	1019.81
	23	1020.02	1020.07	1020.13	1020.15	1020.15	1020.17	1020.21	1020.25	1020.28	1020.31	1020.34	1020.34	1020.20

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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	1020.37	1020.39	1020.40	1020.43	1020.42	1020.40	1020.36	1020.30	1020.33	1020.38	1020.40	1020.41	1020.38
	1	1020.47	1020.54	1020.58	1020.60	1020.64	1020.70	1020.72	1020.75	1020.82	1020.87	1020.88	1020.89	1020.70
	2	1020.86	1020.82	1020.81	1020.81	1020.81	1020.85	1020.92	1020.95	1020.97	1020.99	1021.01	1021.03	1020.90
	3	1021.08	1021.10	1021.13	1021.14	1021.11	1021.10	1021.16	1021.23	1021.28	1021.30	1021.29	1021.33	1021.19
	4	1021.34	1021.39	1021.54	1021.58	1021.55	1021.61	1021.72	1021.82	1021.93	1022.02	1022.10	1022.20	1021.73
	5	1022.30	1022.34	1022.38	1022.44	1022.53	1022.63	1022.66	1022.67	1022.69	1022.70	1022.69	1022.68	1022.56
	6	1022.68	1022.68	1022.69	1022.73	1022.86	1022.95	1022.94	1022.89	1022.94	1022.94	1022.88	1022.85	1022.83
	7	1022.80	1022.75	1022.72	1022.74	1022.76	1022.79	1022.79	1022.80	1022.82	1022.80	1022.75	1022.78	1022.77
	8	1022.89	1023.02	1023.10	1023.06	1023.03	1023.03	1022.97	1022.94	1022.93	1022.90	1022.90	1022.95	1022.97
	9	1023.00	1023.06	1023.07	1023.14	1023.13	1023.05	1023.05	1023.05	1023.04	1023.01	1022.97	1022.93	1023.04
	10	1022.88	1022.88	1022.92	1022.91	1022.87	1022.87	1022.83	1022.78	1022.77	1022.74	1022.74	1022.69	1022.82
	11	1022.62	1022.64	1022.70	1022.76	1022.76	1022.71	1022.70	1022.74	1022.76	1022.79	1022.85	1022.86	1022.74
	12	1022.86	1022.88	1022.86	1022.86	1022.81	1022.74	1022.74	1022.74	1022.81	1022.87	1022.79	1022.68	1022.80
	13	1022.67	1022.75	1022.76	1022.71	1022.65	1022.60	1022.56	1022.53	1022.54	1022.52	1022.47	1022.47	1022.60
	14	1022.42	1022.35	1022.33	1022.36	1022.42	1022.45	1022.43	1022.47	1022.66	1022.83	1022.85	1022.85	1022.53
	15	1022.84	1022.89	1022.95	1022.98	1022.91	1022.85	1022.91	1022.94	1022.94	1022.89	1022.87	1022.90	1022.90
	16	1022.93	1022.97	1023.02	1023.07	1023.09	1023.09	1023.14	1023.18	1023.21	1023.23	1023.25	1023.34	1023.13
	17	1023.43	1023.51	1023.53	1023.54	1023.58	1023.59	1023.61	1023.66	1023.68	1023.63	1023.60	1023.58	1023.58
	18	1023.59	1023.67	1023.81	1023.95	1024.06	1024.17	1024.30	1024.47	1024.61	1024.68	1024.72	1024.80	1024.23
	19	1024.87	1024.85	1024.81	1024.82	1024.87	1024.96	1025.05	1025.12	1025.15	1025.17	1025.25	1025.34	1025.02
	20	1025.39	1025.46	1025.55	1025.62	1025.68	1025.70	1025.70	1025.70	1025.76	1025.79	1025.73	1025.67	1025.64
	21	1025.61	1025.54	1025.46	1025.37	1025.27	1025.21	1025.25	1025.33	1025.38	1025.40	1025.42	1025.42	1025.39
	22	1025.42	1025.41	1025.38	1025.36	1025.33	1025.32	1025.34	1025.36	1025.41	1025.48	1025.52	1025.54	1025.40
	23	1025.57	1025.62	1025.65	1025.64	1025.63	1025.62	1025.63	1025.64	1025.67	1025.69	1025.73	1025.75	1025.65
8	0	1025.82	1025.79	1025.76	1025.77	1025.73	1025.65	1025.63	1025.59	1025.56	1025.58	1025.58	1025.56	1025.66
	1	1025.51	1025.43	1025.23	1025.13	1025.21	1025.18	1025.11	1025.08	1025.07	1025.11	1025.18	1025.23	1025.20
	2	1025.26	1025.32	1025.33	1025.34	1025.40	1025.42	1025.40	1025.39	1025.39	1025.39	1025.39	1025.42	1025.37
	3	1025.46	1025.49	1025.54	1025.56	1025.52	1025.45	1025.37	1025.37	1025.45	1025.47	1025.46	1025.47	1025.47
	4	1025.49	1025.51	1025.56	1025.61	1025.61	1025.62	1025.68	1025.73	1025.78	1025.84	1025.89	1025.92	1025.69
	5	1025.91	1025.91	1025.95	1026.05	1026.16	1026.18	1026.17	1026.21	1026.24	1026.24	1026.27	1026.31	1026.13
	6	1026.31	1026.31	1026.32	1026.32	1026.34	1026.37	1026.39	1026.40	1026.40	1026.39	1026.35	1026.33	1026.35
	7	1026.35	1026.37	1026.42	1026.45	1026.43	1026.37	1026.28	1026.24	1026.24	1026.24	1026.21	1026.17	1026.31
	8	1026.16	1026.18	1026.16	1026.14	1026.17	1026.19	1026.20	1026.15	1026.15	1026.16	1026.13	1026.15	1026.16
	9	1026.16	1026.11	1026.04	1026.02	1025.99	1025.94	1025.92	1025.87	1025.83	1025.79	1025.73	1025.69	1025.92
	10	1025.63	1025.58	1025.57	1025.57	1025.49	1025.42	1025.34	1025.26	1025.22	1025.18	1025.09	1024.95	1025.36
	11	1024.87	1024.88	1024.87	1024.80	1024.71	1024.62	1024.54	1024.44	1024.41	1024.42	1024.38	1024.28	1024.60
	12	1024.23	1024.25	1024.22	1024.13	1024.04	1023.93	1023.78	1023.68	1023.60	1023.48	1023.41	1023.40	1023.84
	13	1023.37	1023.38	1023.32	1023.23	1023.21	1023.14	1023.07	1023.05	1023.00	1022.92	1022.78	1022.62	1023.09
	14	1022.56	1022.57	1022.54	1022.53	1022.58	1022.57	1022.53	1022.51	1022.47	1022.49	1022.54	1022.55	1022.54
	15	1022.65	1022.71	1022.67	1022.65	1022.59	1022.51	1022.49	1022.49	1022.50	1022.51	1022.52	1022.53	1022.57
	16	1022.58	1022.66	1022.74	1022.80	1022.87	1022.94	1023.02	1023.08	1023.12	1023.17	1023.25	1023.29	1022.96
	17	1023.30	1023.36	1023.40	1023.40	1023.44	1023.49	1023.53	1023.56	1023.58	1023.63	1023.70	1023.80	1023.51
	18	1023.86	1023.88	1023.91	1023.92	1023.96	1024.04	1024.12	1024.19	1024.26	1024.35	1024.44	1024.50	1024.12
	19	1024.58	1024.65	1024.67	1024.70	1024.78	1024.79	1024.75	1024.76	1024.80	1024.87	1024.96	1025.06	1024.78
	20	1025.16	1025.21	1025.26	1025.37	1025.45	1025.46	1025.48	1025.54	1025.59	1025.62	1025.65	1025.69	1025.45
	21	1025.70	1025.73	1025.81	1025.85	1025.88	1025.93	1025.96	1026.00	1026.02	1025.99	1025.93	1025.97	1025.90
	22	1026.07	1026.10	1026.08	1026.06	1026.05	1026.01	1025.96	1025.94	1025.98	1026.08	1026.12	1026.05	1026.04
	23	1026.01	1026.01	1026.05	1026.10	1026.10	1026.06	1026.02	1025.99	1025.99	1026.02	1025.98	1025.95	1026.02

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
9	0	1025.95	1025.94	1025.88	1025.82	1025.80	1025.80	1025.78	1025.72	1025.69	1025.67	1025.66	1025.69	1025.77
	1	1025.74	1025.81	1025.83	1025.83	1025.82	1025.79	1025.75	1025.68	1025.63	1025.66	1025.69	1025.67	1025.74
	2	1025.69	1025.70	1025.65	1025.64	1025.71	1025.77	1025.77	1025.78	1025.80	1025.74	1025.70	1025.70	1025.72
	3	1025.70	1025.71	1025.77	1025.79	1025.75	1025.78	1025.81	1025.84	1025.88	1025.90	1025.92	1025.96	1025.81
	4	1025.99	1025.99	1025.93	1025.86	1025.87	1025.93	1026.01	1026.10	1026.21	1026.28	1026.33	1026.40	1026.07
	5	1026.41	1026.42	1026.47	1026.54	1026.57	1026.56	1026.59	1026.60	1026.60	1026.58	1026.54	1026.51	1026.53
	6	1026.54	1026.57	1026.59	1026.59	1026.56	1026.53	1026.52	1026.54	1026.52	1026.47	1026.47	1026.49	1026.53
	7	1026.48	1026.50	1026.50	1026.46	1026.42	1026.40	1026.39	1026.43	1026.47	1026.48	1026.44	1026.40	1026.44
	8	1026.40	1026.45	1026.48	1026.46	1026.46	1026.48	1026.44	1026.41	1026.34	1026.23	1026.22	1026.23	1026.38
	9	1026.18	1026.13	1026.11	1026.09	1026.04	1025.98	1025.97	1026.00	1025.99	1025.91	1025.89	1025.89	1026.01
	10	1025.85	1025.80	1025.77	1025.76	1025.71	1025.66	1025.63	1025.61	1025.60	1025.54	1025.49	1025.45	1025.65
	11	1025.42	1025.41	1025.41	1025.43	1025.43	1025.39	1025.35	1025.35	1025.35	1025.32	1025.31	1025.29	1025.37
	12	1025.31	1025.34	1025.33	1025.34	1025.33	1025.32	1025.33	1025.28	1025.20	1025.14	1025.10	1025.09	1025.26
	13	1025.11	1025.09	1025.05	1025.00	1024.97	1024.97	1024.98	1024.99	1024.95	1024.91	1024.88	1024.83	1024.98
	14	1024.78	1024.76	1024.76	1024.75	1024.73	1024.74	1024.74	1024.71	1024.73	1024.75	1024.77	1024.76	1024.75
	15	1024.77	1024.80	1024.78	1024.79	1024.82	1024.82	1024.83	1024.86	1024.89	1024.91	1024.94	1024.93	1024.84
	16	1024.90	1024.94	1024.99	1024.99	1024.97	1024.96	1025.01	1025.05	1025.06	1025.08	1025.08	1025.09	1025.01
	17	1025.11	1025.09	1025.11	1025.16	1025.19	1025.22	1025.26	1025.30	1025.34	1025.40	1025.48	1025.55	1025.26
	18	1025.57	1025.61	1025.68	1025.71	1025.77	1025.82	1025.88	1025.95	1025.97	1026.01	1026.07	1026.10	1025.84
	19	1026.16	1026.26	1026.29	1026.33	1026.38	1026.42	1026.47	1026.44	1026.41	1026.45	1026.47	1026.50	1026.38
	20	1026.52	1026.55	1026.60	1026.60	1026.58	1026.55	1026.55	1026.60	1026.65	1026.71	1026.77	1026.78	1026.62
	21	1026.78	1026.80	1026.81	1026.83	1026.88	1026.90	1026.90	1026.93	1026.93	1026.95	1026.99	1027.03	1026.89
	22	1027.06	1027.04	1027.05	1027.10	1027.14	1027.21	1027.27	1027.35	1027.39	1027.40	1027.43	1027.42	1027.24
	23	1027.43	1027.48	1027.50	1027.52	1027.53	1027.52	1027.51	1027.50	1027.50	1027.48	1027.46	1027.44	1027.49
10	0	1027.45	1027.43	1027.42	1027.41	1027.41	1027.47	1027.52	1027.53	1027.52	1027.50	1027.50	1027.50	1027.47
	1	1027.48	1027.48	1027.46	1027.42	1027.41	1027.45	1027.47	1027.48	1027.47	1027.47	1027.48	1027.49	1027.46
	2	1027.51	1027.53	1027.52	1027.48	1027.45	1027.47	1027.51	1027.52	1027.50	1027.48	1027.51	1027.52	1027.50
	3	1027.52	1027.54	1027.56	1027.58	1027.59	1027.65	1027.72	1027.75	1027.77	1027.75	1027.73	1027.75	1027.66
	4	1027.77	1027.78	1027.80	1027.82	1027.82	1027.84	1027.87	1027.90	1027.96	1028.04	1028.11	1028.13	1027.90
	5	1028.13	1028.17	1028.20	1028.24	1028.27	1028.31	1028.36	1028.39	1028.42	1028.44	1028.46	1028.50	1028.32
	6	1028.56	1028.60	1028.64	1028.65	1028.64	1028.65	1028.67	1028.67	1028.67	1028.69	1028.72	1028.71	1028.65
	7	1028.69	1028.72	1028.75	1028.74	1028.76	1028.76	1028.76	1028.72	1028.71	1028.72	1028.73	1028.74	1028.73
	8	1028.75	1028.76	1028.76	1028.74	1028.71	1028.69	1028.66	1028.65	1028.64	1028.63	1028.62	1028.60	1028.68
	9	1028.61	1028.61	1028.60	1028.59	1028.57	1028.56	1028.53	1028.51	1028.49	1028.49	1028.49	1028.49	1028.54
	10	1028.47	1028.46	1028.45	1028.40	1028.35	1028.34	1028.27	1028.20	1028.17	1028.14	1028.06	1028.01	1028.27
	11	1027.97	1027.95	1027.93	1027.92	1027.91	1027.88	1027.87	1027.87	1027.84	1027.80	1027.77	1027.76	1027.87
	12	1027.74	1027.70	1027.68	1027.66	1027.61	1027.58	1027.55	1027.51	1027.48	1027.44	1027.37	1027.32	1027.55
	13	1027.30	1027.23	1027.16	1027.12	1027.09	1027.07	1027.02	1026.96	1026.93	1026.90	1026.87	1026.85	1027.04
	14	1026.84	1026.85	1026.84	1026.83	1026.82	1026.80	1026.81	1026.82	1026.82	1026.83	1026.87	1026.89	1026.83
	15	1026.88	1026.86	1026.89	1026.92	1026.91	1026.88	1026.86	1026.85	1026.82	1026.80	1026.79	1026.83	1026.85
	16	1026.86	1026.88	1026.88	1026.88	1026.91	1026.94	1026.99	1027.04	1027.06	1027.06	1027.07	1027.09	1026.97
	17	1027.11	1027.13	1027.14	1027.15	1027.14	1027.13	1027.15	1027.16	1027.16	1027.16	1027.16	1027.17	1027.14
	18	1027.16	1027.16	1027.19	1027.23	1027.26	1027.30	1027.33	1027.36	1027.42	1027.50	1027.58	1027.61	1027.34
	19	1027.63	1027.67	1027.68	1027.71	1027.77	1027.82	1027.82	1027.85	1027.91	1027.89	1027.84	1027.84	1027.78
	20	1027.85	1027.84	1027.82	1027.80	1027.79	1027.76	1027.76	1027.80	1027.79	1027.76	1027.77	1027.77	1027.79
	21	1027.74	1027.72	1027.71	1027.70	1027.72	1027.74	1027.72	1027.68	1027.66	1027.65	1027.62	1027.61	1027.69
	22	1027.66	1027.73	1027.74	1027.69	1027.65	1027.62	1027.60	1027.62	1027.66	1027.69	1027.74	1027.74	1027.68
	23	1027.69	1027.66	1027.64	1027.59	1027.53	1027.52	1027.52	1027.47	1027.44	1027.41	1027.38	1027.34	1027.51

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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	1027.21	1027.20	1027.17	1027.11	1027.03	1026.97	1026.91	1026.85	1026.82	1026.82	1026.83	1026.84	1026.97
	1	1026.82	1026.77	1026.75	1026.74	1026.74	1026.73	1026.72	1026.73	1026.76	1026.77	1026.75	1026.73	1026.75
	2	1026.71	1026.68	1026.64	1026.61	1026.59	1026.58	1026.55	1026.52	1026.53	1026.55	1026.55	1026.55	1026.59
	3	1026.54	1026.55	1026.59	1026.60	1026.62	1026.67	1026.70	1026.71	1026.69	1026.68	1026.70	1026.69	1026.64
	4	1026.65	1026.62	1026.62	1026.62	1026.62	1026.62	1026.64	1026.65	1026.68	1026.72	1026.75	1026.79	1026.66
	5	1026.83	1026.85	1026.88	1026.90	1026.91	1026.92	1026.91	1026.91	1026.92	1026.93	1026.96	1026.98	1026.91
	6	1026.98	1026.99	1026.99	1026.96	1026.95	1026.96	1026.99	1027.01	1027.01	1026.99	1026.99	1027.01	1026.98
	7	1027.03	1027.05	1027.03	1027.02	1027.05	1027.06	1027.06	1027.09	1027.14	1027.19	1027.23	1027.23	1027.10
	8	1027.21	1027.23	1027.27	1027.27	1027.22	1027.20	1027.23	1027.29	1027.35	1027.38	1027.41	1027.41	1027.29
	9	1027.42	1027.44	1027.44	1027.41	1027.42	1027.45	1027.40	1027.34	1027.31	1027.29	1027.23	1027.18	1027.36
	10	1027.16	1027.15	1027.13	1027.06	1026.99	1026.94	1026.90	1026.86	1026.84	1026.81	1026.82	1026.82	1026.95
	11	1026.78	1026.73	1026.65	1026.61	1026.59	1026.57	1026.55	1026.54	1026.52	1026.44	1026.41	1026.40	1026.56
	12	1026.38	1026.40	1026.38	1026.33	1026.34	1026.32	1026.25	1026.24	1026.22	1026.18	1026.12	1026.04	1026.26
	13	1025.99	1025.98	1025.96	1025.91	1025.88	1025.83	1025.79	1025.80	1025.74	1025.70	1025.70	1025.70	1025.83
	14	1025.69	1025.71	1025.71	1025.73	1025.77	1025.79	1025.77	1025.75	1025.74	1025.74	1025.75	1025.79	1025.74
	15	1025.84	1025.84	1025.82	1025.82	1025.82	1025.79	1025.76	1025.73	1025.70	1025.71	1025.72	1025.74	1025.77
	16	1025.74	1025.73	1025.74	1025.79	1025.84	1025.86	1025.84	1025.82	1025.85	1025.91	1025.93	1025.93	1025.83
	17	1025.97	1025.99	1025.96	1025.92	1025.94	1025.96	1025.95	1025.95	1025.94	1025.92	1025.89	1025.88	1025.94
	18	1025.93	1025.94	1025.96	1025.98	1025.97	1026.00	1026.04	1026.08	1026.15	1026.24	1026.35	1026.45	1026.09
	19	1026.52	1026.53	1026.55	1026.61	1026.63	1026.62	1026.63	1026.67	1026.71	1026.68	1026.66	1026.70	1026.62
	20	1026.71	1026.69	1026.66	1026.64	1026.69	1026.80	1026.91	1026.96	1026.96	1026.97	1026.95	1026.93	1026.82
	21	1026.99	1027.03	1027.03	1027.03	1027.02	1027.04	1027.06	1027.08	1027.10	1027.14	1027.21	1027.30	1027.08
	22	1027.36	1027.41	1027.43	1027.35	1027.25	1027.17	1027.17	1027.25	1027.31	1027.33	1027.37	1027.45	1027.32
	23	1027.49	1027.51	1027.50	1027.47	1027.44	1027.41	1027.40	1027.40	1027.42	1027.38	1027.32	1027.29	1027.42
12	0	1027.34	1027.36	1027.36	1027.33	1027.30	1027.26	1027.21	1027.20	1027.24	1027.28	1027.30	1027.31	1027.29
	1	1027.28	1027.25	1027.20	1027.15	1027.12	1027.08	1027.03	1026.96	1026.90	1026.86	1026.82	1026.82	1027.04
	2	1026.87	1026.87	1026.83	1026.86	1026.89	1026.85	1026.80	1026.74	1026.66	1026.61	1026.62	1026.66	1026.77
	3	1026.72	1026.77	1026.83	1026.84	1026.85	1026.85	1026.88	1026.94	1026.96	1026.93	1026.88	1026.82	1026.85
	4	1026.79	1026.81	1026.81	1026.78	1026.76	1026.81	1026.90	1026.93	1026.94	1026.95	1026.98	1027.02	1026.87
	5	1027.05	1027.10	1027.15	1027.21	1027.26	1027.30	1027.36	1027.43	1027.47	1027.50	1027.56	1027.59	1027.33
	6	1027.61	1027.61	1027.59	1027.59	1027.59	1027.61	1027.64	1027.68	1027.72	1027.74	1027.76	1027.77	1027.66
	7	1027.75	1027.74	1027.72	1027.69	1027.68	1027.67	1027.65	1027.66	1027.70	1027.72	1027.69	1027.67	1027.69
	8	1027.69	1027.73	1027.76	1027.78	1027.80	1027.83	1027.84	1027.84	1027.86	1027.85	1027.84	1027.83	1027.80
	9	1027.87	1027.92	1027.94	1027.94	1027.93	1027.96	1027.98	1027.99	1027.97	1027.93	1027.87	1027.80	1027.92
	10	1027.77	1027.74	1027.71	1027.66	1027.60	1027.55	1027.48	1027.41	1027.35	1027.29	1027.24	1027.18	1027.50
	11	1027.13	1027.09	1027.05	1027.00	1026.94	1026.89	1026.84	1026.79	1026.75	1026.74	1026.71	1026.70	1026.88
	12	1026.67	1026.61	1026.60	1026.60	1026.58	1026.53	1026.49	1026.46	1026.43	1026.40	1026.37	1026.35	1026.50
	13	1026.29	1026.22	1026.20	1026.16	1026.11	1026.06	1026.05	1026.05	1026.04	1026.02	1025.99	1025.97	1026.09
	14	1025.95	1025.92	1025.92	1025.94	1025.93	1025.93	1025.95	1025.97	1025.97	1025.96	1025.92	1025.89	1025.94
	15	1025.91	1025.89	1025.82	1025.79	1025.79	1025.77	1025.77	1025.79	1025.81	1025.83	1025.84	1025.82	1025.82
	16	1025.80	1025.81	1025.85	1025.90	1025.89	1025.87	1025.84	1025.83	1025.86	1025.88	1025.86	1025.82	1025.85
	17	1025.79	1025.78	1025.80	1025.85	1025.91	1025.93	1025.93	1025.92	1025.93	1025.96	1025.98	1026.01	1025.90
	18	1026.05	1026.06	1026.07	1026.10	1026.13	1026.17	1026.25	1026.31	1026.36	1026.42	1026.46	1026.52	1026.24
	19	1026.56	1026.59	1026.61	1026.63	1026.67	1026.72	1026.74	1026.74	1026.75	1026.78	1026.77	1026.74	1026.69
	20	1026.71	1026.69	1026.70	1026.71	1026.72	1026.74	1026.76	1026.78	1026.77	1026.76	1026.75	1026.74	1026.73
	21	1026.73	1026.72	1026.71	1026.72	1026.72	1026.69	1026.64	1026.63	1026.64	1026.65	1026.66	1026.69	1026.68
	22	1026.71	1026.72	1026.74	1026.74	1026.72	1026.71	1026.72	1026.73	1026.71	1026.71	1026.72	1026.71	1026.72
	23	1026.71	1026.72	1026.75	1026.77	1026.76	1026.77	1026.75	1026.70	1026.68	1026.65	1026.61	1026.58	1026.70

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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	1026.52	1026.50	1026.46	1026.45	1026.43	1026.43	1026.46	1026.47	1026.46	1026.46	1026.45	1026.44	1026.46
	1	1026.43	1026.43	1026.43	1026.41	1026.38	1026.34	1026.33	1026.34	1026.34	1026.33	1026.32	1026.31	1026.36
	2	1026.34	1026.37	1026.39	1026.40	1026.42	1026.43	1026.41	1026.38	1026.36	1026.34	1026.32	1026.29	1026.37
	3	1026.30	1026.33	1026.36	1026.40	1026.43	1026.46	1026.49	1026.52	1026.56	1026.62	1026.67	1026.71	1026.48
	4	1026.72	1026.74	1026.82	1026.89	1026.93	1026.95	1026.97	1026.99	1026.97	1026.93	1026.93	1026.97	1026.90
	5	1027.02	1027.04	1027.05	1027.06	1027.08	1027.12	1027.15	1027.19	1027.22	1027.24	1027.27	1027.30	1027.14
	6	1027.32	1027.32	1027.32	1027.33	1027.34	1027.35	1027.37	1027.40	1027.42	1027.45	1027.48	1027.50	1027.38
	7	1027.52	1027.52	1027.54	1027.54	1027.52	1027.49	1027.46	1027.47	1027.50	1027.53	1027.53	1027.55	1027.51
	8	1027.57	1027.57	1027.57	1027.56	1027.55	1027.54	1027.53	1027.54	1027.55	1027.54	1027.55	1027.57	1027.55
	9	1027.58	1027.57	1027.52	1027.49	1027.46	1027.43	1027.42	1027.40	1027.35	1027.30	1027.25	1027.19	1027.41
	10	1027.13	1027.07	1027.01	1026.95	1026.91	1026.87	1026.83	1026.81	1026.76	1026.71	1026.67	1026.63	1026.86
	11	1026.54	1026.51	1026.50	1026.43	1026.38	1026.36	1026.33	1026.30	1026.27	1026.23	1026.21	1026.21	1026.35
	12	1026.23	1026.20	1026.15	1026.12	1026.11	1026.10	1026.07	1026.05	1026.07	1026.08	1026.04	1025.96	1026.10
	13	1025.90	1025.84	1025.77	1025.69	1025.62	1025.57	1025.53	1025.49	1025.45	1025.41	1025.37	1025.36	1025.58
	14	1025.33	1025.29	1025.26	1025.23	1025.22	1025.22	1025.23	1025.20	1025.17	1025.20	1025.22	1025.18	1025.23
	15	1025.12	1025.10	1025.09	1025.10	1025.12	1025.14	1025.17	1025.18	1025.15	1025.13	1025.10	1025.09	1025.12
	16	1025.11	1025.10	1025.10	1025.11	1025.09	1025.05	1025.02	1025.04	1025.06	1025.02	1024.97	1024.95	1025.05
	17	1024.98	1024.95	1024.92	1024.93	1024.96	1024.97	1024.97	1024.93	1024.87	1024.86	1024.88	1024.87	1024.92
	18	1024.87	1024.90	1024.94	1025.02	1025.13	1025.22	1025.27	1025.33	1025.36	1025.38	1025.40	1025.45	1025.19
	19	1025.50	1025.54	1025.62	1025.70	1025.75	1025.79	1025.79	1025.76	1025.77	1025.80	1025.84	1025.87	1025.72
	20	1025.89	1025.88	1025.82	1025.79	1025.78	1025.75	1025.73	1025.72	1025.71	1025.73	1025.81	1025.86	1025.79
	21	1025.83	1025.81	1025.77	1025.70	1025.68	1025.69	1025.70	1025.71	1025.73	1025.73	1025.73	1025.73	1025.73
	22	1025.71	1025.65	1025.61	1025.61	1025.60	1025.58	1025.58	1025.61	1025.64	1025.67	1025.69	1025.67	1025.63
	23	1025.63	1025.66	1025.69	1025.66	1025.64	1025.63	1025.60	1025.54	1025.47	1025.42	1025.40	1025.38	1025.56
14	0	1025.33	1025.31	1025.27	1025.22	1025.17	1025.09	1025.02	1024.97	1024.96	1024.99	1024.97	1024.93	1025.09
	1	1024.92	1024.92	1024.88	1024.87	1024.90	1024.89	1024.90	1024.89	1024.86	1024.87	1024.88	1024.85	1024.88
	2	1024.80	1024.76	1024.71	1024.65	1024.62	1024.60	1024.59	1024.57	1024.51	1024.47	1024.46	1024.43	1024.60
	3	1024.41	1024.41	1024.38	1024.33	1024.29	1024.25	1024.21	1024.19	1024.21	1024.25	1024.29	1024.36	1024.30
	4	1024.42	1024.42	1024.38	1024.33	1024.34	1024.36	1024.41	1024.50	1024.58	1024.65	1024.73	1024.80	1024.49
	5	1024.80	1024.79	1024.79	1024.82	1024.87	1024.88	1024.89	1024.88	1024.87	1024.89	1024.91	1024.90	1024.85
	6	1024.89	1024.88	1024.90	1024.94	1024.97	1024.96	1024.94	1024.93	1024.91	1024.89	1024.86	1024.88	1024.91
	7	1024.90	1024.95	1024.99	1024.99	1025.02	1025.05	1025.05	1025.03	1025.02	1025.04	1025.06	1025.04	1025.01
	8	1025.02	1025.04	1025.11	1025.19	1025.24	1025.22	1025.16	1025.14	1025.13	1025.10	1025.08	1025.11	1025.12
	9	1025.12	1025.09	1025.07	1025.06	1025.03	1025.01	1025.00	1024.97	1024.93	1024.90	1024.89	1024.88	1024.99
	10	1024.86	1024.79	1024.71	1024.61	1024.53	1024.47	1024.43	1024.40	1024.36	1024.28	1024.20	1024.12	1024.48
	11	1024.04	1023.92	1023.85	1023.84	1023.81	1023.78	1023.74	1023.72	1023.70	1023.68	1023.66	1023.64	1023.78
	12	1023.62	1023.56	1023.49	1023.44	1023.39	1023.36	1023.32	1023.30	1023.27	1023.20	1023.14	1023.12	1023.35
	13	1023.11	1023.06	1022.98	1022.94	1022.91	1022.84	1022.76	1022.71	1022.65	1022.58	1022.53	1022.46	1022.79
	14	1022.41	1022.37	1022.30	1022.23	1022.17	1022.13	1022.13	1022.12	1022.09	1022.06	1022.01	1021.98	1022.16
	15	1021.95	1021.92	1021.92	1021.92	1021.92	1021.90	1021.88	1021.89	1021.88	1021.86	1021.88	1021.89	1021.90
	16	1021.89	1021.90	1021.94	1021.95	1021.90	1021.88	1021.86	1021.85	1021.85	1021.86	1021.87	1021.86	1021.88
	17	1021.84	1021.85	1021.87	1021.86	1021.88	1021.89	1021.87	1021.87	1021.92	1021.97	1021.99	1022.00	1021.90
	18	1022.01	1022.01	1022.02	1022.07	1022.15	1022.21	1022.27	1022.34	1022.42	1022.49	1022.55	1022.60	1022.26
	19	1022.66	1022.69	1022.74	1022.73	1022.73	1022.78	1022.80	1022.85	1022.88	1022.90	1022.93	1022.97	1022.80
	20	1023.03	1023.05	1023.07	1023.08	1023.08	1023.08	1023.09	1023.12	1023.15	1023.15	1023.16	1023.18	1023.10
	21	1023.19	1023.23	1023.27	1023.30	1023.32	1023.31	1023.31	1023.37	1023.41	1023.40	1023.40	1023.45	1023.33
	22	1023.48	1023.50	1023.51	1023.49	1023.48	1023.47	1023.48	1023.46	1023.45	1023.45	1023.44	1023.42	1023.47
	23	1023.40	1023.38	1023.38	1023.37	1023.36	1023.35	1023.34	1023.34	1023.34	1023.31	1023.26	1023.24	1023.34

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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	1023.20	1023.19	1023.14	1023.08	1023.01	1022.98	1022.97	1022.96	1022.94	1022.93	1022.93	1022.90	1023.01
	1	1022.85	1022.83	1022.84	1022.85	1022.85	1022.85	1022.84	1022.88	1022.91	1022.90	1022.91	1022.93	1022.87
	2	1022.93	1022.91	1022.87	1022.81	1022.76	1022.73	1022.70	1022.65	1022.61	1022.60	1022.58	1022.59	1022.73
	3	1022.60	1022.58	1022.57	1022.60	1022.59	1022.55	1022.57	1022.61	1022.63	1022.65	1022.67	1022.67	1022.61
	4	1022.64	1022.68	1022.74	1022.80	1022.86	1022.89	1022.91	1022.91	1022.93	1022.99	1023.04	1023.07	1022.87
	5	1023.09	1023.13	1023.18	1023.17	1023.18	1023.23	1023.25	1023.29	1023.35	1023.37	1023.40	1023.44	1023.26
	6	1023.46	1023.46	1023.46	1023.49	1023.50	1023.48	1023.47	1023.47	1023.50	1023.51	1023.52	1023.54	1023.49
	7	1023.53	1023.52	1023.54	1023.54	1023.52	1023.53	1023.56	1023.56	1023.54	1023.54	1023.57	1023.58	1023.54
	8	1023.61	1023.65	1023.65	1023.65	1023.68	1023.72	1023.76	1023.79	1023.77	1023.74	1023.76	1023.79	1023.71
	9	1023.83	1023.85	1023.82	1023.81	1023.83	1023.84	1023.84	1023.83	1023.77	1023.70	1023.65	1023.59	1023.78
	10	1023.50	1023.39	1023.35	1023.30	1023.24	1023.23	1023.20	1023.16	1023.16	1023.15	1023.09	1023.02	1023.23
	11	1022.99	1022.98	1022.96	1022.94	1022.93	1022.91	1022.87	1022.84	1022.82	1022.80	1022.77	1022.74	1022.88
	12	1022.74	1022.73	1022.72	1022.69	1022.65	1022.58	1022.54	1022.50	1022.47	1022.44	1022.40	1022.31	1022.56
	13	1022.23	1022.19	1022.15	1022.09	1022.04	1021.98	1021.93	1021.91	1021.87	1021.82	1021.77	1021.71	1021.97
	14	1021.66	1021.59	1021.56	1021.54	1021.50	1021.49	1021.44	1021.36	1021.30	1021.30	1021.30	1021.25	1021.44
	15	1021.22	1021.21	1021.20	1021.16	1021.15	1021.14	1021.13	1021.12	1021.07	1021.04	1021.04	1021.02	1021.12
	16	1020.99	1020.95	1020.91	1020.85	1020.79	1020.77	1020.80	1020.81	1020.79	1020.78	1020.75	1020.70	1020.82
	17	1020.65	1020.65	1020.70	1020.70	1020.62	1020.58	1020.61	1020.67	1020.67	1020.65	1020.64	1020.69	1020.65
	18	1020.75	1020.76	1020.78	1020.82	1020.84	1020.90	1020.97	1021.00	1021.01	1021.06	1021.11	1021.16	1020.93
	19	1021.23	1021.28	1021.33	1021.37	1021.40	1021.42	1021.43	1021.42	1021.43	1021.45	1021.42	1021.38	1021.38
	20	1021.41	1021.47	1021.47	1021.46	1021.47	1021.46	1021.49	1021.58	1021.60	1021.59	1021.60	1021.61	1021.52
	21	1021.63	1021.66	1021.68	1021.68	1021.69	1021.72	1021.72	1021.72	1021.71	1021.66	1021.62	1021.61	1021.67
	22	1021.59	1021.59	1021.57	1021.52	1021.49	1021.50	1021.51	1021.48	1021.46	1021.46	1021.46	1021.50	1021.51
	23	1021.53	1021.53	1021.50	1021.44	1021.39	1021.33	1021.26	1021.18	1021.11	1021.09	1021.07	1021.03	1021.29
16	0	1020.93	1020.94	1020.94	1020.92	1020.92	1020.93	1020.88	1020.80	1020.76	1020.71	1020.67	1020.66	1020.83
	1	1020.67	1020.65	1020.58	1020.55	1020.53	1020.49	1020.46	1020.47	1020.46	1020.41	1020.40	1020.43	1020.51
	2	1020.44	1020.43	1020.42	1020.43	1020.45	1020.48	1020.51	1020.49	1020.47	1020.46	1020.45	1020.48	1020.46
	3	1020.51	1020.51	1020.48	1020.44	1020.41	1020.41	1020.43	1020.44	1020.40	1020.37	1020.34	1020.34	1020.42
	4	1020.40	1020.44	1020.43	1020.40	1020.45	1020.55	1020.62	1020.69	1020.76	1020.82	1020.90	1020.97	1020.62
	5	1020.98	1020.95	1020.94	1020.92	1020.89	1020.92	1021.01	1021.07	1021.09	1021.12	1021.16	1021.19	1021.02
	6	1021.22	1021.23	1021.24	1021.27	1021.31	1021.33	1021.29	1021.25	1021.27	1021.30	1021.34	1021.34	1021.28
	7	1021.32	1021.34	1021.42	1021.49	1021.54	1021.55	1021.57	1021.55	1021.52	1021.55	1021.62	1021.69	1021.51
	8	1021.74	1021.82	1021.89	1021.92	1021.90	1021.86	1021.82	1021.82	1021.82	1021.80	1021.80	1021.80	1021.83
	9	1021.79	1021.77	1021.75	1021.76	1021.77	1021.74	1021.72	1021.71	1021.69	1021.69	1021.66	1021.70	1021.73
	10	1021.76	1021.74	1021.68	1021.62	1021.51	1021.43	1021.43	1021.42	1021.37	1021.27	1021.18	1021.09	1021.46
	11	1021.01	1020.96	1020.92	1020.93	1020.93	1020.91	1020.89	1020.87	1020.84	1020.83	1020.82	1020.83	1020.89
	12	1020.85	1020.80	1020.78	1020.74	1020.70	1020.67	1020.61	1020.56	1020.47	1020.40	1020.35	1020.31	1020.60
	13	1020.29	1020.25	1020.22	1020.24	1020.16	1020.04	1019.94	1019.83	1019.74	1019.67	1019.62	1019.60	1019.96
	14	1019.55	1019.45	1019.36	1019.29	1019.24	1019.19	1019.13	1019.07	1019.02	1018.99	1019.01	1019.05	1019.19
	15	1019.05	1019.05	1019.02	1018.99	1018.95	1018.92	1018.93	1018.95	1019.02	1019.04	1019.03	1019.04	1019.00
	16	1019.08	1019.09	1019.09	1019.05	1019.04	1019.01	1018.94	1018.97	1019.00	1018.96	1018.97	1019.07	1019.02
	17	1019.14	1019.19	1019.22	1019.26	1019.28	1019.23	1019.24	1019.32	1019.39	1019.48	1019.55	1019.58	1019.32
	18	1019.58	1019.58	1019.56	1019.58	1019.62	1019.62	1019.63	1019.63	1019.61	1019.63	1019.67	1019.68	1019.61
	19	1019.69	1019.72	1019.69	1019.68	1019.70	1019.68	1019.66	1019.64	1019.56	1019.50	1019.47	1019.42	1019.62
	20	1019.33	1019.27	1019.24	1019.21	1019.17	1019.14	1019.16	1019.17	1019.12	1019.08	1019.07	1019.05	1019.17
	21	1019.08	1019.08	1019.06	1019.11	1019.15	1019.17	1019.19	1019.24	1019.31	1019.34	1019.36	1019.43	1019.21
	22	1019.54	1019.62	1019.66	1019.67	1019.69	1019.71	1019.72	1019.73	1019.78	1019.87	1019.94	1019.96	1019.74
	23	1020.00	1020.09	1020.15	1020.19	1020.21	1020.20	1020.17	1020.13	1020.10	1020.04	1019.96	1019.89	1020.09

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	1019.85	1019.83	1019.80	1019.85	1019.93	1019.92	1019.96	1020.04	1020.12	1020.20	1020.13	1019.96	1019.97
	1	1019.81	1019.76	1019.73	1019.64	1019.53	1019.55	1019.64	1019.57	1019.38	1019.41	1019.48	1019.37	1019.57
	2	1019.26	1019.29	1019.45	1019.63	1019.71	1019.68	1019.70	1019.69	1019.55	1018.97	1017.95	1017.14	1019.17
	3	1016.63	1016.47	1016.57	1016.59	1016.51	1016.47	1016.42	1016.45	1016.54	1016.55	1016.61	1016.69	1016.54
	4	1016.81	1016.90	1016.90	1016.92	1017.04	1017.19	1017.30	1017.46	1017.67	1017.74	1017.82	1017.93	1017.30
	5	1017.92	1017.83	1017.69	1017.60	1017.46	1017.26	1017.25	1017.36	1017.41	1017.39	1017.06	1016.65	1017.40
	6	1016.48	1016.46	1016.47	1016.53	1016.78	1016.98	1017.09	1017.46	1017.86	1018.00	1018.16	1018.32	1017.21
	7	1018.31	1018.24	1017.85	1017.48	1017.56	1017.73	1017.83	1017.88	1017.82	1017.55	1017.35	1017.28	1017.74
	8	1017.23	1017.41	1017.59	1017.54	1017.48	1017.40	1017.33	1017.20	1017.05	1016.99	1017.00	1017.17	1017.28
	9	1017.37	1017.39	1017.27	1017.22	1017.28	1017.37	1017.42	1017.42	1017.42	1017.39	1017.31	1017.21	1017.34
	10	1017.16	1017.08	1016.98	1016.90	1016.82	1016.78	1016.74	1016.63	1016.50	1016.41	1016.33	1016.27	1016.71
	11	1016.20	1016.13	1016.12	1016.08	1016.03	1015.98	1015.92	1015.85	1015.75	1015.70	1015.71	1015.68	1015.93
	12	1015.59	1015.54	1015.49	1015.42	1015.38	1015.35	1015.33	1015.29	1015.29	1015.35	1015.30	1015.16	1015.37
	13	1015.04	1014.96	1014.92	1014.90	1014.86	1014.82	1014.79	1014.78	1014.77	1014.73	1014.67	1014.61	1014.82
	14	1014.55	1014.48	1014.42	1014.40	1014.37	1014.28	1014.19	1014.14	1014.11	1014.10	1014.11	1014.08	1014.27
	15	1014.04	1014.05	1014.05	1014.04	1014.10	1014.13	1014.08	1014.06	1014.09	1014.09	1014.07	1014.04	1014.07
	16	1014.00	1013.95	1013.88	1013.81	1013.79	1013.81	1013.82	1013.83	1013.83	1013.84	1013.83	1013.81	1013.85
	17	1013.80	1013.80	1013.82	1013.83	1013.87	1013.90	1013.95	1014.01	1014.02	1014.03	1014.07	1014.11	1013.93
	18	1014.07	1014.02	1014.01	1014.02	1014.04	1014.06	1014.09	1014.16	1014.21	1014.23	1014.26	1014.30	1014.12
	19	1014.38	1014.44	1014.49	1014.53	1014.59	1014.66	1014.66	1014.65	1014.64	1014.67	1014.73	1014.79	1014.60
	20	1014.83	1014.82	1014.81	1014.79	1014.73	1014.70	1014.69	1014.71	1014.73	1014.74	1014.74	1014.77	1014.75
	21	1014.78	1014.75	1014.69	1014.66	1014.69	1014.70	1014.74	1014.78	1014.79	1014.83	1014.87	1014.88	1014.76
	22	1014.93	1014.96	1014.98	1014.98	1015.01	1015.00	1014.94	1014.92	1014.92	1014.87	1014.76	1014.68	1014.91
	23	1014.63	1014.62	1014.60	1014.57	1014.56	1014.56	1014.56	1014.54	1014.49	1014.41	1014.34	1014.29	1014.51
18	0	1014.24	1014.20	1014.13	1014.09	1014.05	1014.06	1014.11	1014.10	1013.99	1013.90	1013.85	1013.77	1014.03
	1	1013.72	1013.69	1013.65	1013.59	1013.56	1013.61	1013.63	1013.57	1013.48	1013.46	1013.49	1013.53	1013.58
	2	1013.57	1013.54	1013.47	1013.45	1013.42	1013.36	1013.29	1013.22	1013.13	1013.03	1013.02	1013.05	1013.29
	3	1013.06	1013.03	1012.97	1012.95	1012.95	1012.93	1012.95	1012.94	1012.91	1012.91	1012.92	1012.94	1012.95
	4	1012.96	1012.99	1013.06	1013.11	1013.18	1013.26	1013.28	1013.28	1013.28	1013.29	1013.28	1013.25	1013.18
	5	1013.25	1013.29	1013.39	1013.49	1013.52	1013.54	1013.54	1013.51	1013.49	1013.48	1013.47	1013.50	1013.45
	6	1013.54	1013.58	1013.63	1013.67	1013.68	1013.66	1013.56	1013.41	1013.38	1013.47	1013.49	1013.52	1013.55
	7	1013.56	1013.57	1013.55	1013.59	1013.64	1013.63	1013.63	1013.62	1013.61	1013.61	1013.60	1013.60	1013.60
	8	1013.64	1013.71	1013.74	1013.75	1013.78	1013.80	1013.82	1013.79	1013.73	1013.72	1013.74	1013.77	1013.75
	9	1013.80	1013.82	1013.77	1013.72	1013.67	1013.63	1013.58	1013.52	1013.48	1013.40	1013.32	1013.26	1013.58
	10	1013.17	1013.10	1013.04	1013.00	1012.97	1012.93	1012.88	1012.87	1012.83	1012.72	1012.66	1012.63	1012.90
	11	1012.57	1012.53	1012.55	1012.58	1012.56	1012.54	1012.54	1012.56	1012.60	1012.67	1012.74	1012.79	1012.60
	12	1012.77	1012.73	1012.73	1012.72	1012.68	1012.60	1012.54	1012.49	1012.48	1012.51	1012.54	1012.52	1012.61
	13	1012.49	1012.47	1012.48	1012.50	1012.52	1012.54	1012.52	1012.48	1012.45	1012.42	1012.36	1012.26	1012.46
	14	1012.17	1012.12	1012.13	1012.14	1012.12	1012.08	1012.03	1012.02	1012.06	1012.04	1012.03	1012.01	1012.08
	15	1012.01	1012.02	1012.00	1011.99	1011.95	1011.90	1011.87	1011.90	1011.94	1012.00	1012.01	1011.98	1011.96
	16	1012.00	1012.04	1012.11	1012.14	1012.10	1012.02	1012.04	1012.10	1012.09	1012.08	1012.08	1012.03	1012.07
	17	1011.94	1011.92	1011.98	1012.00	1011.99	1011.99	1012.02	1012.04	1012.05	1012.08	1012.11	1012.12	1012.02
	18	1012.15	1012.21	1012.33	1012.41	1012.44	1012.47	1012.50	1012.57	1012.67	1012.76	1012.83	1012.92	1012.52
	19	1012.99	1013.01	1013.01	1013.05	1013.08	1013.11	1013.14	1013.20	1013.26	1013.28	1013.28	1013.27	1013.14
	20	1013.28	1013.30	1013.31	1013.28	1013.24	1013.26	1013.32	1013.35	1013.37	1013.43	1013.47	1013.44	1013.34
	21	1013.43	1013.43	1013.43	1013.42	1013.40	1013.40	1013.42	1013.42	1013.42	1013.45	1013.50	1013.52	1013.43
	22	1013.52	1013.54	1013.58	1013.62	1013.67	1013.73	1013.78	1013.84	1013.90	1013.94	1013.99	1014.02	1013.76
	23	1014.05	1014.08	1014.13	1014.17	1014.20	1014.27	1014.30	1014.29	1014.31	1014.29	1014.28	1014.29	1014.22

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1014.27	1014.21	1014.11	1014.06	1014.05	1014.05	1014.05	1014.02	1014.00	1013.94	1013.83	1013.77	1014.02
	1	1013.76	1013.72	1013.71	1013.73	1013.70	1013.66	1013.69	1013.67	1013.57	1013.49	1013.45	1013.43	1013.63
	2	1013.43	1013.43	1013.40	1013.36	1013.33	1013.31	1013.30	1013.29	1013.27	1013.25	1013.25	1013.22	1013.32
	3	1013.17	1013.17	1013.15	1013.15	1013.18	1013.17	1013.16	1013.16	1013.18	1013.21	1013.24	1013.22	1013.18
	4	1013.19	1013.19	1013.22	1013.23	1013.23	1013.25	1013.28	1013.31	1013.34	1013.34	1013.33	1013.36	1013.27
	5	1013.40	1013.43	1013.44	1013.44	1013.47	1013.49	1013.53	1013.56	1013.56	1013.58	1013.62	1013.66	1013.51
	6	1013.67	1013.67	1013.67	1013.63	1013.57	1013.53	1013.52	1013.56	1013.61	1013.68	1013.75	1013.79	1013.63
	7	1013.82	1013.81	1013.75	1013.72	1013.69	1013.69	1013.73	1013.77	1013.80	1013.84	1013.87	1013.90	1013.78
	8	1013.93	1013.97	1014.01	1014.03	1014.03	1014.07	1014.17	1014.29	1014.40	1014.44	1014.45	1014.49	1014.19
	9	1014.54	1014.54	1014.51	1014.47	1014.45	1014.45	1014.41	1014.40	1014.42	1014.41	1014.36	1014.28	1014.44
	10	1014.19	1014.12	1014.08	1014.04	1014.02	1014.01	1013.99	1013.97	1013.92	1013.84	1013.76	1013.72	1013.97
	11	1013.71	1013.71	1013.70	1013.70	1013.71	1013.69	1013.67	1013.66	1013.65	1013.64	1013.64	1013.66	1013.68
	12	1013.63	1013.58	1013.59	1013.58	1013.51	1013.40	1013.34	1013.30	1013.26	1013.24	1013.23	1013.24	1013.41
	13	1013.26	1013.22	1013.19	1013.20	1013.19	1013.18	1013.10	1013.04	1013.05	1013.06	1013.05	1013.04	1013.13
	14	1013.04	1013.01	1012.96	1012.95	1012.97	1013.02	1013.06	1013.11	1013.14	1013.14	1013.15	1013.11	1013.05
	15	1013.10	1013.08	1013.02	1012.98	1012.98	1013.02	1013.07	1013.09	1013.11	1013.15	1013.23	1013.31	1013.09
	16	1013.36	1013.41	1013.44	1013.46	1013.51	1013.58	1013.62	1013.62	1013.66	1013.68	1013.64	1013.63	1013.55
	17	1013.62	1013.61	1013.64	1013.66	1013.67	1013.71	1013.79	1013.80	1013.76	1013.79	1013.85	1013.91	1013.73
	18	1013.99	1014.07	1014.17	1014.28	1014.38	1014.47	1014.54	1014.58	1014.65	1014.71	1014.74	1014.81	1014.45
	19	1014.90	1015.00	1015.11	1015.18	1015.18	1015.19	1015.23	1015.26	1015.34	1015.45	1015.55	1015.61	1015.25
	20	1015.63	1015.62	1015.60	1015.61	1015.64	1015.70	1015.77	1015.84	1015.86	1015.87	1015.94	1016.00	1015.75
	21	1016.01	1016.02	1016.03	1016.03	1016.01	1015.99	1015.99	1015.98	1015.98	1016.01	1016.05	1016.09	1016.01
	22	1016.08	1016.04	1016.04	1016.08	1016.11	1016.11	1016.11	1016.14	1016.16	1016.19	1016.26	1016.32	1016.13
	23	1016.33	1016.29	1016.25	1016.24	1016.23	1016.23	1016.22	1016.21	1016.18	1016.14	1016.10	1016.05	1016.20
20	0	1016.00	1016.00	1016.02	1016.02	1016.01	1015.99	1015.95	1015.90	1015.85	1015.80	1015.76	1015.77	1015.92
	1	1015.80	1015.82	1015.82	1015.83	1015.86	1015.87	1015.87	1015.87	1015.89	1015.94	1015.96	1015.95	1015.87
	2	1015.96	1015.97	1015.95	1015.94	1015.93	1015.93	1015.96	1015.98	1015.98	1015.94	1015.91	1015.95	1015.95
	3	1016.02	1016.08	1016.08	1016.05	1016.03	1016.02	1016.05	1016.07	1016.06	1016.06	1016.06	1016.06	1016.05
	4	1016.06	1016.04	1016.00	1016.01	1016.06	1016.10	1016.12	1016.12	1016.15	1016.25	1016.35	1016.40	1016.14
	5	1016.44	1016.45	1016.47	1016.54	1016.60	1016.64	1016.66	1016.66	1016.67	1016.73	1016.79	1016.82	1016.62
	6	1016.88	1016.93	1016.94	1016.93	1016.93	1016.97	1017.04	1017.07	1017.02	1017.02	1017.07	1017.09	1016.99
	7	1017.11	1017.15	1017.19	1017.23	1017.25	1017.24	1017.28	1017.37	1017.42	1017.45	1017.49	1017.55	1017.31
	8	1017.62	1017.66	1017.66	1017.64	1017.63	1017.63	1017.65	1017.66	1017.68	1017.72	1017.75	1017.74	1017.67
	9	1017.75	1017.73	1017.69	1017.68	1017.68	1017.66	1017.61	1017.55	1017.50	1017.44	1017.39	1017.37	1017.59
	10	1017.35	1017.33	1017.28	1017.25	1017.21	1017.15	1017.09	1017.05	1017.02	1017.00	1016.98	1016.93	1017.13
	11	1016.85	1016.79	1016.79	1016.78	1016.73	1016.67	1016.64	1016.56	1016.53	1016.59	1016.62	1016.61	1016.68
	12	1016.59	1016.60	1016.66	1016.64	1016.57	1016.57	1016.56	1016.51	1016.53	1016.54	1016.50	1016.48	1016.56
	13	1016.45	1016.41	1016.38	1016.34	1016.30	1016.26	1016.19	1016.10	1016.01	1015.94	1015.88	1015.82	1016.17
	14	1015.77	1015.74	1015.73	1015.72	1015.67	1015.58	1015.53	1015.52	1015.50	1015.48	1015.43	1015.36	1015.58
	15	1015.32	1015.26	1015.21	1015.17	1015.13	1015.14	1015.15	1015.11	1015.09	1015.12	1015.13	1015.09	1015.16
	16	1015.09	1015.11	1015.13	1015.12	1015.11	1015.12	1015.12	1015.11	1015.10	1015.11	1015.17	1015.21	1015.12
	17	1015.22	1015.24	1015.27	1015.32	1015.38	1015.42	1015.45	1015.52	1015.61	1015.67	1015.70	1015.75	1015.46
	18	1015.81	1015.86	1015.90	1015.95	1016.01	1016.06	1016.07	1016.09	1016.10	1016.11	1016.12	1016.16	1016.02
	19	1016.21	1016.30	1016.39	1016.46	1016.52	1016.53	1016.50	1016.47	1016.45	1016.46	1016.49	1016.52	1016.44
	20	1016.55	1016.57	1016.55	1016.53	1016.54	1016.57	1016.62	1016.65	1016.65	1016.64	1016.61	1016.60	1016.59
	21	1016.62	1016.65	1016.67	1016.70	1016.70	1016.70	1016.73	1016.73	1016.71	1016.73	1016.76	1016.80	1016.71
	22	1016.82	1016.82	1016.83	1016.82	1016.79	1016.79	1016.85	1016.91	1016.95	1017.00	1017.02	1017.00	1016.88
	23	1016.97	1016.98	1017.03	1017.14	1017.26	1017.29	1017.31	1017.32	1017.36	1017.38	1017.39	1017.43	1017.24

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
21	0	1017.52	1017.54	1017.54	1017.54	1017.61	1017.69	1017.74	1017.72	1017.67	1017.65	1017.64	1017.60	1017.62
	1	1017.60	1017.74	1017.94	1018.02	1018.02	1018.05	1018.05	1018.02	1018.02	1018.07	1018.09	1018.05	1017.97
	2	1018.04	1018.05	1018.07	1018.07	1018.06	1018.05	1018.09	1018.12	1018.10	1018.09	1018.12	1018.16	1018.08
	3	1018.17	1018.23	1018.30	1018.39	1018.42	1018.35	1018.32	1018.38	1018.46	1018.52	1018.60	1018.70	1018.40
	4	1018.80	1018.89	1018.95	1019.00	1019.04	1019.12	1019.23	1019.31	1019.39	1019.49	1019.59	1019.67	1019.20
	5	1019.75	1019.83	1019.88	1019.93	1019.99	1020.05	1020.11	1020.15	1020.18	1020.23	1020.28	1020.29	1020.05
	6	1020.29	1020.34	1020.43	1020.54	1020.60	1020.64	1020.72	1020.78	1020.84	1020.87	1020.88	1020.93	1020.65
	7	1021.01	1021.08	1021.11	1021.10	1021.09	1021.11	1021.16	1021.18	1021.19	1021.20	1021.20	1021.20	1021.13
	8	1021.18	1021.19	1021.22	1021.23	1021.24	1021.24	1021.25	1021.29	1021.31	1021.27	1021.26	1021.30	1021.25
	9	1021.34	1021.37	1021.38	1021.39	1021.37	1021.36	1021.39	1021.40	1021.35	1021.33	1021.35	1021.35	1021.36
	10	1021.31	1021.29	1021.27	1021.23	1021.21	1021.16	1021.13	1021.13	1021.08	1021.06	1021.08	1021.10	1021.17
	11	1021.10	1021.08	1021.08	1021.05	1021.04	1021.11	1021.17	1021.18	1021.17	1021.15	1021.08	1021.09	1021.11
	12	1021.11	1021.05	1021.00	1020.94	1020.88	1020.84	1020.82	1020.78	1020.73	1020.73	1020.72	1020.70	1020.86
	13	1020.66	1020.59	1020.57	1020.55	1020.56	1020.58	1020.55	1020.46	1020.41	1020.39	1020.37	1020.37	1020.50
	14	1020.35	1020.35	1020.34	1020.33	1020.36	1020.32	1020.29	1020.33	1020.38	1020.41	1020.41	1020.43	1020.36
	15	1020.42	1020.42	1020.46	1020.41	1020.35	1020.32	1020.26	1020.20	1020.17	1020.14	1020.15	1020.17	1020.29
	16	1020.15	1020.13	1020.14	1020.13	1020.08	1020.06	1020.04	1020.01	1019.99	1019.99	1019.98	1019.98	1020.05
	17	1020.00	1020.01	1020.04	1020.12	1020.18	1020.22	1020.22	1020.21	1020.25	1020.28	1020.30	1020.35	1020.18
	18	1020.36	1020.39	1020.47	1020.55	1020.60	1020.66	1020.70	1020.80	1020.92	1020.95	1021.01	1021.11	1020.71
	19	1021.20	1021.25	1021.31	1021.38	1021.42	1021.45	1021.50	1021.54	1021.56	1021.59	1021.63	1021.67	1021.46
	20	1021.72	1021.75	1021.74	1021.73	1021.74	1021.76	1021.76	1021.78	1021.79	1021.79	1021.81	1021.82	1021.76
	21	1021.88	1022.01	1022.13	1022.18	1022.18	1022.16	1022.19	1022.26	1022.33	1022.35	1022.32	1022.27	1022.19
	22	1022.27	1022.31	1022.34	1022.39	1022.51	1022.62	1022.66	1022.68	1022.66	1022.65	1022.70	1022.74	1022.54
	23	1022.73	1022.68	1022.67	1022.67	1022.63	1022.59	1022.62	1022.66	1022.67	1022.66	1022.71	1022.75	1022.67
22	0	1022.87	1022.87	1022.84	1022.81	1022.79	1022.74	1022.69	1022.67	1022.66	1022.66	1022.69	1022.70	1022.74
	1	1022.68	1022.66	1022.68	1022.72	1022.74	1022.75	1022.76	1022.78	1022.78	1022.78	1022.81	1022.87	1022.75
	2	1022.92	1022.95	1022.99	1023.02	1023.01	1022.99	1022.97	1022.97	1023.00	1023.01	1022.97	1022.95	1022.98
	3	1022.95	1022.98	1023.02	1023.04	1023.09	1023.12	1023.12	1023.13	1023.12	1023.11	1023.14	1023.15	1023.08
	4	1023.13	1023.14	1023.15	1023.17	1023.22	1023.28	1023.34	1023.37	1023.40	1023.43	1023.43	1023.42	1023.29
	5	1023.44	1023.47	1023.52	1023.57	1023.58	1023.59	1023.63	1023.67	1023.67	1023.66	1023.69	1023.70	1023.60
	6	1023.69	1023.69	1023.68	1023.68	1023.68	1023.67	1023.67	1023.68	1023.68	1023.68	1023.65	1023.61	1023.67
	7	1023.59	1023.59	1023.59	1023.57	1023.55	1023.54	1023.50	1023.46	1023.47	1023.48	1023.48	1023.44	1023.52
	8	1023.38	1023.32	1023.29	1023.28	1023.26	1023.25	1023.27	1023.26	1023.22	1023.19	1023.21	1023.23	1023.26
	9	1023.22	1023.19	1023.15	1023.10	1023.06	1023.02	1023.03	1023.03	1023.02	1023.01	1022.97	1022.90	1023.06
	10	1022.81	1022.73	1022.69	1022.67	1022.64	1022.61	1022.57	1022.54	1022.51	1022.49	1022.44	1022.38	1022.59
	11	1022.33	1022.30	1022.29	1022.30	1022.27	1022.23	1022.20	1022.17	1022.15	1022.13	1022.13	1022.16	1022.22
	12	1022.17	1022.18	1022.18	1022.11	1022.06	1022.02	1021.98	1021.94	1021.90	1021.89	1021.85	1021.78	1022.00
	13	1021.71	1021.64	1021.59	1021.54	1021.51	1021.50	1021.48	1021.45	1021.44	1021.40	1021.36	1021.36	1021.50
	14	1021.38	1021.37	1021.32	1021.29	1021.30	1021.31	1021.27	1021.25	1021.27	1021.30	1021.33	1021.34	1021.31
	15	1021.34	1021.30	1021.25	1021.24	1021.23	1021.18	1021.14	1021.14	1021.13	1021.07	1021.00	1020.95	1021.16
	16	1020.93	1020.90	1020.85	1020.86	1020.90	1020.93	1020.97	1020.98	1020.93	1020.86	1020.84	1020.84	1020.90
	17	1020.83	1020.85	1020.86	1020.86	1020.83	1020.80	1020.78	1020.80	1020.86	1020.87	1020.85	1020.86	1020.84
	18	1020.89	1020.91	1020.93	1020.93	1020.93	1020.96	1020.98	1021.01	1021.06	1021.13	1021.19	1021.21	1021.01
	19	1021.21	1021.21	1021.22	1021.22	1021.22	1021.21	1021.19	1021.13	1021.09	1021.10	1021.10	1021.07	1021.16
	20	1021.02	1020.96	1020.96	1020.98	1020.96	1020.91	1020.87	1020.85	1020.82	1020.76	1020.71	1020.71	1020.87
	21	1020.72	1020.72	1020.68	1020.66	1020.66	1020.68	1020.67	1020.65	1020.64	1020.61	1020.58	1020.60	1020.65
	22	1020.63	1020.64	1020.64	1020.65	1020.67	1020.66	1020.65	1020.64	1020.67	1020.71	1020.73	1020.71	1020.66
	23	1020.67	1020.66	1020.65	1020.61	1020.53	1020.45	1020.40	1020.35	1020.32	1020.30	1020.27	1020.24	1020.45

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
23	0	1020.03	1020.00	1019.94	1019.89	1019.85	1019.81	1019.81	1019.81	1019.77	1019.70	1019.62	1019.58	1019.81
	1	1019.53	1019.49	1019.46	1019.40	1019.36	1019.36	1019.33	1019.27	1019.21	1019.18	1019.15	1019.16	1019.32
	2	1019.15	1019.09	1019.05	1019.03	1019.02	1019.00	1018.97	1018.94	1018.89	1018.86	1018.81	1018.72	1018.96
	3	1018.65	1018.59	1018.58	1018.57	1018.53	1018.45	1018.40	1018.38	1018.30	1018.19	1018.10	1018.06	1018.40
	4	1018.05	1018.09	1018.09	1018.11	1018.31	1018.47	1018.49	1018.48	1018.49	1018.50	1018.50	1018.50	1018.34
	5	1018.59	1018.70	1018.79	1018.81	1018.75	1018.72	1018.72	1018.73	1018.75	1018.81	1019.15	1019.32	1018.82
	6	1019.41	1019.47	1019.38	1019.32	1019.18	1019.12	1019.13	1019.18	1019.21	1019.24	1019.24	1019.21	1019.26
	7	1019.18	1019.15	1019.14	1019.15	1019.16	1019.13	1019.11	1019.13	1019.15	1019.15	1019.12	1019.10	1019.14
	8	1019.10	1019.13	1019.19	1019.25	1019.31	1019.33	1019.37	1019.37	1019.30	1019.27	1019.26	1019.23	1019.26
	9	1019.18	1019.13	1019.06	1019.02	1019.01	1018.99	1018.96	1018.92	1018.87	1018.79	1018.68	1018.58	1018.93
	10	1018.52	1018.45	1018.36	1018.32	1018.26	1018.19	1018.15	1018.14	1018.15	1018.13	1018.09	1018.05	1018.23
	11	1018.01	1017.96	1017.95	1017.93	1017.87	1017.82	1017.78	1017.75	1017.79	1017.80	1017.76	1017.75	1017.85
	12	1017.77	1017.74	1017.67	1017.64	1017.60	1017.53	1017.43	1017.34	1017.30	1017.28	1017.28	1017.27	1017.49
	13	1017.22	1017.18	1017.13	1017.11	1017.10	1017.05	1017.05	1017.09	1017.06	1016.95	1016.87	1016.86	1017.05
	14	1016.79	1016.63	1016.51	1016.43	1016.43	1016.46	1016.47	1016.47	1016.42	1016.41	1016.45	1016.46	1016.49
	15	1016.44	1016.42	1016.44	1016.47	1016.48	1016.44	1016.40	1016.39	1016.34	1016.27	1016.28	1016.33	1016.39
	16	1016.30	1016.22	1016.15	1016.17	1016.21	1016.20	1016.17	1016.11	1016.10	1016.14	1016.14	1016.06	1016.16
	17	1016.02	1016.05	1016.03	1016.03	1016.09	1016.10	1016.07	1016.06	1016.08	1016.10	1016.18	1016.24	1016.08
	18	1016.22	1016.22	1016.24	1016.25	1016.23	1016.23	1016.28	1016.30	1016.28	1016.25	1016.26	1016.29	1016.25
	19	1016.30	1016.30	1016.32	1016.33	1016.31	1016.30	1016.30	1016.32	1016.36	1016.37	1016.36	1016.35	1016.32
	20	1016.36	1016.36	1016.32	1016.28	1016.27	1016.24	1016.19	1016.16	1016.11	1016.05	1015.95	1015.83	1016.17
	21	1015.76	1015.77	1015.85	1015.96	1016.03	1016.05	1016.05	1016.03	1016.01	1016.01	1016.04	1016.04	1015.96
	22	1016.03	1016.02	1015.98	1015.92	1015.92	1015.96	1016.01	1016.04	1016.04	1016.01	1015.97	1015.96	1015.99
	23	1015.95	1015.92	1015.88	1015.85	1015.84	1015.80	1015.74	1015.69	1015.69	1015.68	1015.62	1015.57	1015.77
24	0	1015.52	1015.53	1015.51	1015.47	1015.44	1015.40	1015.34	1015.26	1015.19	1015.15	1015.13	1015.11	1015.33
	1	1015.07	1015.02	1014.95	1014.89	1014.84	1014.78	1014.73	1014.69	1014.64	1014.58	1014.53	1014.51	1014.77
	2	1014.50	1014.45	1014.40	1014.38	1014.34	1014.29	1014.26	1014.23	1014.21	1014.19	1014.18	1014.17	1014.30
	3	1014.16	1014.15	1014.15	1014.12	1014.13	1014.15	1014.12	1014.10	1014.11	1014.11	1014.15	1014.17	1014.13
	4	1014.18	1014.20	1014.22	1014.24	1014.23	1014.23	1014.23	1014.23	1014.26	1014.28	1014.29	1014.31	1014.24
	5	1014.33	1014.35	1014.37	1014.37	1014.39	1014.43	1014.48	1014.52	1014.51	1014.50	1014.52	1014.56	1014.44
	6	1014.59	1014.61	1014.62	1014.63	1014.65	1014.68	1014.69	1014.68	1014.67	1014.67	1014.69	1014.66	1014.65
	7	1014.61	1014.64	1014.69	1014.72	1014.72	1014.76	1014.81	1014.84	1014.86	1014.87	1014.89	1014.89	1014.77
	8	1014.90	1014.91	1014.92	1014.93	1014.95	1014.97	1014.97	1014.98	1014.98	1014.96	1014.97	1014.98	1014.95
	9	1014.97	1014.97	1014.95	1014.96	1014.98	1015.01	1015.03	1015.05	1015.09	1015.12	1015.13	1015.12	1015.03
	10	1015.11	1015.11	1015.08	1015.06	1015.06	1015.08	1015.06	1015.06	1015.11	1015.10	1015.05	1014.99	1015.07
	11	1014.95	1014.93	1014.90	1014.84	1014.77	1014.76	1014.75	1014.70	1014.67	1014.66	1014.62	1014.61	1014.76
	12	1014.64	1014.63	1014.61	1014.59	1014.53	1014.45	1014.43	1014.39	1014.32	1014.29	1014.30	1014.27	1014.45
	13	1014.20	1014.17	1014.18	1014.18	1014.14	1014.09	1014.05	1014.02	1013.94	1013.86	1013.84	1013.82	1014.04
	14	1013.79	1013.73	1013.70	1013.69	1013.68	1013.66	1013.63	1013.63	1013.66	1013.69	1013.69	1013.70	1013.69
	15	1013.71	1013.67	1013.63	1013.61	1013.61	1013.58	1013.57	1013.59	1013.59	1013.60	1013.62	1013.67	1013.62
	16	1013.72	1013.74	1013.75	1013.73	1013.69	1013.64	1013.63	1013.70	1013.76	1013.77	1013.79	1013.79	1013.72
	17	1013.82	1013.87	1013.88	1013.90	1013.96	1013.99	1014.01	1014.06	1014.08	1014.11	1014.18	1014.24	1014.01
	18	1014.27	1014.33	1014.42	1014.51	1014.58	1014.61	1014.66	1014.73	1014.79	1014.83	1014.83	1014.84	1014.61
	19	1014.86	1014.91	1014.93	1014.94	1014.97	1015.03	1015.10	1015.13	1015.12	1015.12	1015.17	1015.23	1015.04
	20	1015.26	1015.27	1015.33	1015.38	1015.41	1015.44	1015.47	1015.51	1015.54	1015.58	1015.62	1015.64	1015.45
	21	1015.66	1015.66	1015.70	1015.78	1015.85	1015.89	1015.94	1015.99	1016.04	1016.07	1016.09	1016.16	1015.90
	22	1016.21	1016.22	1016.26	1016.33	1016.38	1016.41	1016.45	1016.48	1016.50	1016.52	1016.51	1016.49	1016.40
	23	1016.46	1016.43	1016.41	1016.41	1016.41	1016.39	1016.32	1016.29	1016.27	1016.21	1016.16	1016.13	1016.32

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
25	0	1016.03	1016.03	1016.02	1015.99	1015.96	1015.93	1015.93	1015.94	1015.93	1015.91	1015.90	1015.91	1015.95
	1	1015.93	1015.92	1015.91	1015.89	1015.87	1015.87	1015.87	1015.86	1015.87	1015.87	1015.85	1015.85	1015.88
	2	1015.85	1015.83	1015.79	1015.75	1015.71	1015.71	1015.72	1015.71	1015.70	1015.70	1015.71	1015.73	1015.74
	3	1015.75	1015.80	1015.86	1015.88	1015.87	1015.87	1015.88	1015.92	1015.96	1015.99	1015.99	1016.00	1015.89
	4	1016.03	1016.05	1016.04	1016.02	1016.02	1016.01	1015.99	1016.01	1016.05	1016.10	1016.14	1016.17	1016.05
	5	1016.22	1016.27	1016.33	1016.38	1016.43	1016.49	1016.57	1016.63	1016.68	1016.74	1016.79	1016.85	1016.53
	6	1016.90	1016.94	1016.98	1017.00	1017.05	1017.09	1017.11	1017.15	1017.20	1017.22	1017.23	1017.25	1017.09
	7	1017.29	1017.31	1017.30	1017.26	1017.22	1017.20	1017.19	1017.16	1017.15	1017.17	1017.22	1017.24	1017.22
	8	1017.26	1017.29	1017.29	1017.29	1017.31	1017.33	1017.34	1017.36	1017.39	1017.40	1017.40	1017.40	1017.34
	9	1017.37	1017.39	1017.43	1017.49	1017.56	1017.61	1017.66	1017.64	1017.61	1017.62	1017.61	1017.58	1017.55
	10	1017.55	1017.52	1017.46	1017.39	1017.31	1017.27	1017.24	1017.17	1017.11	1017.10	1017.04	1016.93	1017.25
	11	1016.85	1016.82	1016.74	1016.65	1016.64	1016.65	1016.65	1016.62	1016.55	1016.47	1016.38	1016.35	1016.61
	12	1016.30	1016.25	1016.20	1016.13	1016.07	1016.01	1015.93	1015.84	1015.77	1015.72	1015.66	1015.61	1015.96
	13	1015.54	1015.45	1015.38	1015.31	1015.22	1015.13	1015.03	1014.93	1014.89	1014.80	1014.69	1014.63	1015.08
	14	1014.59	1014.56	1014.52	1014.50	1014.47	1014.41	1014.38	1014.35	1014.31	1014.27	1014.21	1014.17	1014.39
	15	1014.15	1014.12	1014.15	1014.19	1014.21	1014.23	1014.28	1014.42	1014.53	1014.59	1014.67	1014.69	1014.35
	16	1014.71	1014.68	1014.59	1014.57	1014.58	1014.65	1014.75	1014.86	1014.94	1015.01	1015.09	1015.11	1014.79
	17	1015.07	1015.09	1015.12	1015.08	1015.14	1015.21	1015.20	1015.21	1015.26	1015.28	1015.32	1015.36	1015.19
	18	1015.38	1015.42	1015.51	1015.61	1015.66	1015.62	1015.53	1015.42	1015.41	1015.48	1015.55	1015.61	1015.52
	19	1015.64	1015.62	1015.69	1015.78	1015.79	1015.79	1015.81	1015.81	1015.82	1015.88	1015.96	1016.01	1015.80
	20	1016.04	1016.04	1015.99	1015.92	1015.86	1015.85	1015.94	1016.01	1016.02	1016.05	1016.01	1015.94	1015.97
	21	1015.96	1016.01	1016.03	1016.03	1016.04	1016.05	1016.05	1016.05	1016.01	1015.95	1015.91	1015.89	1016.00
	22	1015.81	1015.76	1015.78	1015.81	1015.80	1015.77	1015.77	1015.80	1015.77	1015.67	1015.56	1015.50	1015.73
	23	1015.47	1015.50	1015.56	1015.56	1015.54	1015.56	1015.58	1015.58	1015.58	1015.58	1015.56	1015.55	1015.55
26	0	1015.56	1015.50	1015.47	1015.48	1015.38	1015.27	1015.23	1015.22	1015.20	1015.14	1015.10	1015.09	1015.29
	1	1015.06	1015.02	1015.03	1015.05	1015.03	1015.05	1015.10	1015.08	1015.05	1015.04	1014.99	1014.89	1015.03
	2	1014.83	1014.79	1014.73	1014.70	1014.66	1014.60	1014.59	1014.61	1014.57	1014.51	1014.50	1014.51	1014.63
	3	1014.52	1014.52	1014.50	1014.47	1014.41	1014.34	1014.30	1014.28	1014.27	1014.29	1014.33	1014.37	1014.38
	4	1014.41	1014.42	1014.42	1014.42	1014.44	1014.49	1014.48	1014.47	1014.47	1014.44	1014.44	1014.48	1014.45
	5	1014.54	1014.59	1014.62	1014.67	1014.74	1014.80	1014.87	1014.89	1014.91	1014.98	1014.98	1014.91	1014.79
	6	1014.86	1014.81	1014.77	1014.74	1014.70	1014.67	1014.67	1014.67	1014.63	1014.61	1014.61	1014.65	1014.70
	7	1014.68	1014.65	1014.58	1014.57	1014.60	1014.63	1014.68	1014.68	1014.63	1014.64	1014.67	1014.65	1014.64
	8	1014.63	1014.59	1014.55	1014.49	1014.44	1014.46	1014.48	1014.43	1014.30	1014.25	1014.27	1014.24	1014.43
	9	1014.18	1014.18	1014.21	1014.15	1014.09	1014.07	1014.06	1014.05	1014.09	1014.14	1014.16	1014.12	1014.12
	10	1014.08	1014.15	1014.23	1014.29	1014.33	1014.36	1014.37	1014.38	1014.37	1014.32	1014.30	1014.26	1014.28
	11	1014.17	1014.09	1014.00	1013.95	1013.97	1013.95	1013.91	1013.88	1013.84	1013.76	1013.74	1013.76	1013.92
	12	1013.77	1013.75	1013.73	1013.71	1013.65	1013.62	1013.62	1013.55	1013.44	1013.37	1013.31	1013.26	1013.56
	13	1013.21	1013.11	1013.04	1012.99	1012.94	1012.90	1012.81	1012.73	1012.67	1012.60	1012.55	1012.47	1012.83
	14	1012.34	1012.31	1012.34	1012.37	1012.35	1012.34	1012.36	1012.40	1012.38	1012.33	1012.34	1012.35	1012.35
	15	1012.34	1012.32	1012.30	1012.30	1012.32	1012.34	1012.27	1012.15	1012.07	1012.02	1011.97	1011.94	1012.19
	16	1011.92	1011.89	1011.88	1011.91	1011.90	1011.86	1011.79	1011.72	1011.66	1011.61	1011.56	1011.53	1011.77
	17	1011.50	1011.45	1011.45	1011.53	1011.52	1011.39	1011.34	1011.42	1011.42	1011.41	1011.47	1011.46	1011.44
	18	1011.52	1011.67	1011.74	1011.75	1011.78	1011.81	1011.82	1011.84	1011.86	1011.84	1011.82	1011.79	1011.77
	19	1011.79	1011.85	1011.93	1012.04	1012.13	1012.20	1012.21	1012.18	1012.18	1012.18	1012.14	1012.07	1012.07
	20	1012.05	1012.12	1012.21	1012.24	1012.18	1012.18	1012.26	1012.33	1012.33	1012.30	1012.27	1012.17	1012.22
	21	1012.05	1012.06	1012.12	1012.14	1012.20	1012.23	1012.23	1012.21	1012.20	1012.17	1012.08	1012.01	1012.14
	22	1012.00	1012.12	1012.28	1012.29	1012.26	1012.23	1012.17	1012.13	1012.11	1012.11	1012.10	1012.10	1012.15
	23	1012.04	1011.95	1011.91	1011.89	1011.78	1011.59	1011.45	1011.37	1011.32	1011.31	1011.29	1011.25	1011.59

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
27	0	1011.19	1011.09	1010.97	1010.91	1010.84	1010.83	1010.70	1010.58	1010.62	1010.65	1010.63	1010.55	1010.78
	1	1010.46	1010.42	1010.34	1010.30	1010.36	1010.37	1010.37	1010.35	1010.32	1010.35	1010.42	1010.46	1010.37
	2	1010.40	1010.30	1010.19	1010.11	1010.14	1010.18	1010.13	1010.06	1010.02	1009.99	1009.88	1009.78	1010.10
	3	1009.71	1009.61	1009.56	1009.58	1009.56	1009.53	1009.55	1009.59	1009.64	1009.67	1009.69	1009.70	1009.61
	4	1009.71	1009.74	1009.78	1009.75	1009.74	1009.73	1009.68	1009.63	1009.59	1009.58	1009.52	1009.44	1009.65
	5	1009.37	1009.30	1009.24	1009.14	1009.09	1009.10	1009.05	1008.96	1008.92	1008.91	1008.85	1008.66	1009.05
	6	1008.54	1008.55	1008.59	1008.56	1008.56	1008.65	1008.72	1008.64	1008.57	1008.45	1008.32	1008.34	1008.54
	7	1008.39	1008.49	1008.56	1008.63	1008.70	1008.72	1008.81	1008.84	1008.82	1008.86	1008.83	1008.79	1008.70
	8	1008.91	1009.02	1008.98	1008.99	1009.08	1009.15	1009.23	1009.28	1009.30	1009.33	1009.37	1009.32	1009.16
	9	1009.20	1009.13	1009.06	1009.04	1008.93	1008.68	1008.55	1008.52	1008.48	1008.45	1008.41	1008.35	1008.73
	10	1008.36	1008.40	1008.37	1008.32	1008.22	1008.16	1008.10	1007.98	1007.87	1007.81	1007.71	1007.61	1008.07
	11	1007.59	1007.51	1007.37	1007.23	1007.09	1007.07	1007.11	1007.04	1006.98	1006.97	1006.98	1007.02	1007.16
	12	1007.09	1007.12	1007.04	1006.94	1006.88	1006.86	1006.87	1006.86	1006.85	1006.82	1006.75	1006.74	1006.90
	13	1006.70	1006.62	1006.56	1006.46	1006.34	1006.21	1006.15	1006.04	1005.83	1005.64	1005.54	1005.66	1006.14
	14	1005.72	1005.69	1005.65	1005.51	1005.23	1005.02	1004.92	1004.89	1004.91	1004.91	1004.86	1004.71	1005.16
	15	1004.54	1004.44	1004.41	1004.31	1004.17	1004.02	1003.86	1003.74	1003.72	1003.72	1003.68	1003.72	1004.03
	16	1003.78	1003.93	1004.12	1004.27	1004.37	1004.40	1004.53	1004.80	1004.96	1004.92	1004.92	1005.05	1004.50
	17	1005.13	1005.11	1005.10	1005.14	1005.33	1005.58	1005.73	1005.86	1006.02	1006.20	1006.34	1006.38	1005.66
	18	1006.35	1006.22	1006.07	1005.98	1005.92	1005.87	1005.90	1005.94	1005.94	1005.80	1005.48	1005.10	1005.88
	19	1004.72	1004.37	1004.13	1004.15	1004.41	1004.71	1004.81	1004.80	1004.77	1004.73	1004.76	1004.74	1004.59
	20	1004.69	1004.66	1004.67	1004.73	1004.64	1004.42	1004.38	1004.35	1004.08	1003.85	1003.90	1004.06	1004.37
	21	1004.06	1004.09	1004.11	1004.05	1003.99	1004.00	1004.04	1004.04	1004.01	1004.01	1003.98	1003.96	1004.03
	22	1003.97	1003.99	1004.00	1003.95	1003.90	1003.90	1003.95	1003.98	1003.97	1003.98	1003.95	1003.91	1003.95
	23	1003.89	1003.90	1003.95	1003.96	1003.94	1004.01	1004.09	1004.02	1003.85	1003.75	1003.69	1003.68	1003.89
28	0	1003.70	1003.70	1003.70	1003.69	1003.65	1003.62	1003.59	1003.57	1003.55	1003.53	1003.49	1003.39	1003.59
	1	1003.32	1003.27	1003.20	1003.13	1003.05	1002.99	1002.98	1003.00	1002.96	1002.87	1002.79	1002.76	1003.03
	2	1002.73	1002.66	1002.68	1002.75	1002.67	1002.54	1002.44	1002.34	1002.35	1002.42	1002.50	1002.46	1002.54
	3	1002.33	1002.26	1002.20	1002.18	1002.18	1002.20	1002.21	1002.23	1002.23	1002.22	1002.22	1002.24	1002.22
	4	1002.27	1002.29	1002.29	1002.31	1002.34	1002.35	1002.37	1002.37	1002.38	1002.38	1002.37	1002.39	1002.34
	5	1002.42	1002.44	1002.47	1002.53	1002.60	1002.64	1002.67	1002.69	1002.68	1002.67	1002.64	1002.66	1002.59
	6	1002.79	1002.93	1002.99	1002.98	1002.97	1002.98	1003.00	1003.00	1002.98	1002.95	1002.92	1002.89	1002.94
	7	1002.88	1002.89	1002.93	1002.94	1002.92	1002.88	1002.89	1002.96	1003.06	1003.11	1003.09	1003.09	1002.97
	8	1003.13	1003.17	1003.21	1003.25	1003.30	1003.34	1003.37	1003.38	1003.39	1003.42	1003.44	1003.43	1003.32
	9	1003.42	1003.43	1003.44	1003.44	1003.43	1003.44	1003.47	1003.48	1003.47	1003.47	1003.50	1003.54	1003.46
	10	1003.59	1003.67	1003.73	1003.75	1003.74	1003.75	1003.78	1003.86	1003.96	1004.01	1004.03	1004.03	1003.82
	11	1004.04	1004.11	1004.14	1004.14	1004.15	1004.13	1004.13	1004.16	1004.15	1004.16	1004.23	1004.32	1004.15
	12	1004.45	1004.57	1004.64	1004.67	1004.72	1004.81	1004.97	1005.10	1005.13	1005.13	1005.16	1005.19	1004.88
	13	1005.19	1005.20	1005.25	1005.29	1005.31	1005.33	1005.32	1005.27	1005.27	1005.29	1005.31	1005.30	1005.28
	14	1005.30	1005.37	1005.46	1005.50	1005.52	1005.57	1005.63	1005.67	1005.66	1005.67	1005.72	1005.77	1005.57
	15	1005.75	1005.77	1005.90	1005.99	1005.99	1006.01	1006.09	1006.22	1006.36	1006.48	1006.57	1006.60	1006.14
	16	1006.63	1006.66	1006.67	1006.69	1006.74	1006.80	1006.83	1006.87	1006.94	1006.99	1007.03	1007.06	1006.82
	17	1007.11	1007.19	1007.25	1007.31	1007.37	1007.44	1007.54	1007.64	1007.70	1007.76	1007.86	1007.94	1007.51
	18	1008.03	1008.12	1008.24	1008.33	1008.39	1008.46	1008.55	1008.61	1008.67	1008.73	1008.75	1008.81	1008.47
	19	1008.90	1008.99	1009.07	1009.11	1009.13	1009.19	1009.29	1009.37	1009.42	1009.46	1009.53	1009.61	1009.25
	20	1009.66	1009.69	1009.74	1009.81	1009.87	1009.96	1010.06	1010.12	1010.15	1010.19	1010.21	1010.21	1009.97
	21	1010.21	1010.23	1010.25	1010.28	1010.34	1010.40	1010.45	1010.49	1010.52	1010.54	1010.56	1010.63	1010.41
	22	1010.71	1010.77	1010.83	1010.88	1010.96	1011.04	1011.12	1011.20	1011.27	1011.32	1011.34	1011.33	1011.06
	23	1011.35	1011.37	1011.40	1011.43	1011.41	1011.40	1011.40	1011.39	1011.40	1011.38	1011.31	1011.27	1011.37

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1011.27	1011.31	1011.36	1011.34	1011.28	1011.30	1011.31	1011.32	1011.38	1011.40	1011.41	1011.50	1011.35
	1	1011.62	1011.64	1011.59	1011.59	1011.62	1011.70	1011.80	1011.84	1011.83	1011.89	1012.02	1012.09	1011.77
	2	1012.09	1012.16	1012.26	1012.29	1012.29	1012.26	1012.23	1012.26	1012.32	1012.35	1012.38	1012.38	1012.27
	3	1012.36	1012.37	1012.39	1012.43	1012.50	1012.54	1012.60	1012.68	1012.75	1012.80	1012.86	1012.89	1012.60
	4	1012.96	1013.02	1013.06	1013.12	1013.16	1013.19	1013.25	1013.30	1013.30	1013.33	1013.42	1013.53	1013.22
	5	1013.67	1013.81	1013.96	1014.05	1014.07	1014.06	1014.08	1014.14	1014.19	1014.22	1014.27	1014.36	1014.07
	6	1014.46	1014.58	1014.69	1014.77	1014.85	1014.90	1014.96	1015.05	1015.08	1015.07	1015.12	1015.19	1014.89
	7	1015.23	1015.28	1015.38	1015.50	1015.62	1015.69	1015.68	1015.64	1015.68	1015.74	1015.77	1015.72	1015.58
	8	1015.68	1015.76	1015.80	1015.83	1015.88	1015.95	1015.99	1016.00	1015.97	1016.00	1016.03	1016.00	1015.90
	9	1015.99	1015.97	1015.93	1015.91	1015.94	1016.00	1016.08	1016.13	1016.13	1016.13	1016.12	1016.11	1016.03
	10	1016.09	1016.05	1016.00	1015.98	1015.94	1015.92	1015.92	1015.92	1015.92	1015.92	1015.90	1015.86	1015.95
	11	1015.85	1015.81	1015.76	1015.73	1015.70	1015.71	1015.75	1015.77	1015.80	1015.85	1015.88	1015.90	1015.79
	12	1015.96	1016.01	1016.01	1016.03	1016.03	1015.96	1015.93	1015.95	1015.97	1015.99	1015.95	1015.95	1015.98
	13	1016.00	1015.97	1015.89	1015.82	1015.78	1015.75	1015.74	1015.74	1015.71	1015.70	1015.70	1015.64	1015.78
	14	1015.60	1015.56	1015.50	1015.52	1015.55	1015.53	1015.52	1015.56	1015.61	1015.66	1015.71	1015.75	1015.59
	15	1015.74	1015.74	1015.82	1015.92	1015.98	1016.01	1016.02	1016.03	1016.04	1016.10	1016.15	1016.16	1015.97
	16	1016.16	1016.18	1016.19	1016.18	1016.17	1016.11	1016.11	1016.15	1016.13	1016.11	1016.14	1016.17	1016.15
	17	1016.19	1016.23	1016.26	1016.28	1016.29	1016.32	1016.38	1016.42	1016.44	1016.48	1016.50	1016.55	1016.36
	18	1016.63	1016.67	1016.71	1016.74	1016.77	1016.84	1016.93	1016.97	1017.00	1017.09	1017.16	1017.20	1016.89
	19	1017.23	1017.26	1017.33	1017.43	1017.55	1017.65	1017.70	1017.75	1017.78	1017.80	1017.82	1017.82	1017.59
	20	1017.86	1017.86	1017.86	1017.89	1017.90	1017.94	1017.92	1017.93	1017.99	1017.98	1017.98	1018.00	1017.92
	21	1018.02	1018.03	1018.03	1018.05	1018.09	1018.10	1018.11	1018.12	1018.10	1018.10	1018.11	1018.07	1018.08
	22	1018.06	1018.08	1018.09	1018.08	1018.07	1018.05	1018.06	1018.05	1018.02	1018.02	1018.02	1018.00	1018.05
	23	1017.96	1017.95	1017.97	1017.94	1017.94	1017.97	1017.98	1017.95	1017.90	1017.84	1017.81	1017.79	1017.91
30	0	1017.71	1017.71	1017.69	1017.69	1017.67	1017.62	1017.59	1017.59	1017.57	1017.52	1017.44	1017.40	1017.59
	1	1017.42	1017.42	1017.41	1017.39	1017.40	1017.39	1017.36	1017.33	1017.31	1017.27	1017.21	1017.18	1017.34
	2	1017.16	1017.14	1017.14	1017.11	1017.07	1017.05	1017.04	1017.01	1016.97	1016.94	1016.92	1016.91	1017.04
	3	1016.89	1016.87	1016.85	1016.78	1016.74	1016.73	1016.71	1016.69	1016.67	1016.69	1016.76	1016.81	1016.76
	4	1016.83	1016.83	1016.85	1016.89	1016.93	1016.96	1016.96	1016.96	1016.95	1016.98	1017.01	1017.05	1016.93
	5	1017.11	1017.17	1017.22	1017.28	1017.33	1017.36	1017.35	1017.36	1017.39	1017.40	1017.42	1017.42	1017.32
	6	1017.40	1017.42	1017.47	1017.48	1017.49	1017.53	1017.56	1017.59	1017.62	1017.65	1017.67	1017.66	1017.54
	7	1017.61	1017.56	1017.56	1017.58	1017.55	1017.53	1017.56	1017.58	1017.58	1017.61	1017.62	1017.64	1017.58
	8	1017.68	1017.67	1017.68	1017.70	1017.70	1017.66	1017.60	1017.55	1017.56	1017.64	1017.70	1017.70	1017.65
	9	1017.71	1017.70	1017.65	1017.63	1017.65	1017.68	1017.70	1017.73	1017.72	1017.68	1017.61	1017.55	1017.67
	10	1017.53	1017.53	1017.55	1017.58	1017.60	1017.62	1017.63	1017.65	1017.67	1017.70	1017.69	1017.65	1017.61
	11	1017.64	1017.64	1017.61	1017.59	1017.55	1017.52	1017.50	1017.49	1017.49	1017.47	1017.44	1017.44	1017.53
	12	1017.46	1017.41	1017.34	1017.32	1017.32	1017.33	1017.32	1017.30	1017.32	1017.30	1017.26	1017.26	1017.33
	13	1017.24	1017.21	1017.21	1017.20	1017.15	1017.09	1017.10	1017.12	1017.11	1017.10	1017.03	1017.01	1017.13
	14	1017.05	1017.06	1017.05	1017.06	1017.09	1017.11	1017.09	1017.12	1017.22	1017.28	1017.32	1017.38	1017.15
	15	1017.46	1017.52	1017.51	1017.51	1017.54	1017.54	1017.49	1017.49	1017.53	1017.57	1017.61	1017.63	1017.53
	16	1017.61	1017.59	1017.63	1017.65	1017.66	1017.68	1017.70	1017.70	1017.64	1017.65	1017.72	1017.75	1017.66
	17	1017.75	1017.73	1017.74	1017.75	1017.74	1017.71	1017.68	1017.72	1017.79	1017.86	1017.92	1017.94	1017.77
	18	1017.98	1018.06	1018.15	1018.26	1018.39	1018.48	1018.53	1018.59	1018.63	1018.63	1018.63	1018.69	1018.42
	19	1018.78	1018.84	1018.86	1018.86	1018.84	1018.83	1018.80	1018.80	1018.80	1018.77	1018.77	1018.80	1018.81
	20	1018.83	1018.81	1018.78	1018.82	1018.87	1018.87	1018.88	1018.90	1018.91	1018.88	1018.86	1018.87	1018.85
	21	1018.89	1018.95	1018.97	1019.00	1019.04	1019.05	1019.06	1019.10	1019.09	1019.05	1019.05	1019.08	1019.03
	22	1019.08	1019.05	1019.04	1019.06	1019.11	1019.18	1019.23	1019.25	1019.24	1019.17	1019.14	1019.12	1019.14
	23	1019.05	1018.98	1018.96	1018.97	1018.99	1018.96	1018.87	1018.80	1018.77	1018.72	1018.68	1018.65	1018.86

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

April 2015



