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SVIRCO Prompt Report: January 2011

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI FISICA DELLO SPAZIO INTERPLANETARIO

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: January 2011

Fabrizio Signoretti and Francesco Re

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

Abstract

The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in January 2011 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 s.l.).

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

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

Each of the 20 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, IFSI/INAF-UNIRomaTre collaboration, under the following conditions:

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

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

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

Dr. Stefano Massetti
Head of SVIRCO Observatory & TPL
Istituto di Fisica dello Spazio Interplanetario - Area di Ricerca Tor Vergata
Via del Fosso del Cavaliere,100 00133 Roma - Italy,

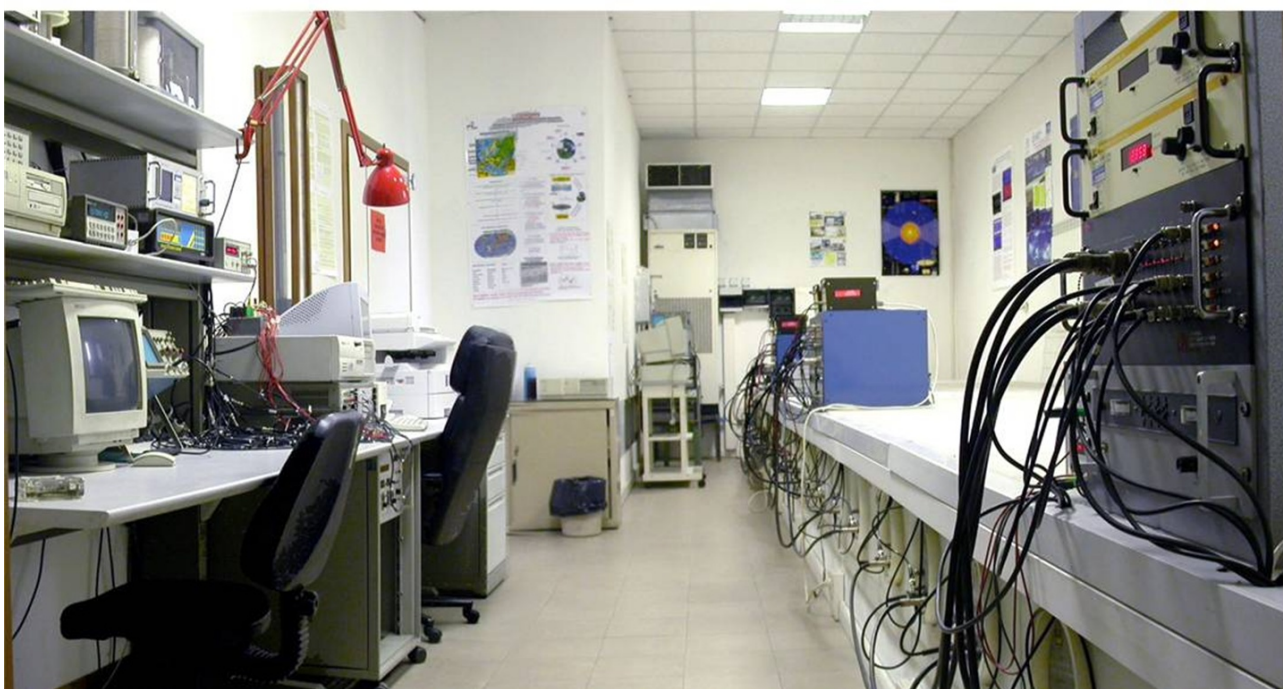
stefano.massetti@ifs-roma.inaf.it



S.V.I.R.CO. Observatory

Rome

Italy



		S.V.I.R.CO. Observatory - Pressure Corrected Data - January 2011											20 NM-64	
		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
1	0	47048	47029	46406	46743	46035	46003	46372	46135	45613	46109	45690	46167	100.634
	1	46693	46352	46430	46010	45501	46524	46213	46344	46147	45873	46243	46910	100.618
	2	46157	46858	46436	45875	45453	47041	46286	46235	46095	46571	46339	46188	100.671
	3	45944	46613	46461	45652	46352	45986	46477	46864	46512	46520	46938	46346	100.876
	4	46760	46103	45423	46749	46762	46341	46084	45960	46140	47068	46451	46546	100.826
	5	46920	46514	46328	46207	45675	46334	46617	46422	46999	46648	46558	46223	101.017
	6	46285	46463	46172	46364	46678	46491	46573	46555	46829	46427	46477	46208	101.031
	7	46668	46526	46962	46184	46629	46882	47135	46304	46810	46788	46713	46400	101.480
	8	46240	46720	46286	46982	46330	46543	46950	46537	46603	46425	46298	46642	101.218
	9	46659	46132	46442	46244	46019	46062	46364	46534	47596	46624	47256	47210	101.325
	10	47106	46528	46092	46951	46519	46908	47042	46995	46010	46390	46111	47456	101.500
	11	46867	45864	46191	46452	46811	46292	46802	46965	46092	46539	46920	46967	101.256
	12	45814	46318	46061	46204	46690	46594	47338	46664	46271	46642	46463	46849	101.102
	13	47108	47041	46056	46224	47325	46380	46269	46158	46823	46613	46465	46999	101.382
	14	46013	47662	46197	47094	46722	46487	46497	45991	46854	46453	46415	46946	101.359
	15	46401	46383	46317	46512	46274	46907	46905	46673	46563	46205	46371	46883	101.189
	16	46715	46120	47230	46662	45760	46376	47089	46709	46361	46313	46871	46693	101.280
	17	46288	46405	46526	46314	46546	46493	46841	46276	46289	46757	46348	46386	101.021
	18	46156	46084	46457	46290	46007	46585	46238	46626	46014	46492	46496	46304	100.709
	19	46081	45918	46305	47267	46626	47083	46787	46235	46230	46072	46820	46067	101.025
	20	46505	46414	46430	45842	45737	46235	46768	45833	45890	46174	46350	46264	100.473
	21	46480	46580	46729	46234	46457	46501	45445	46177	46420	46473	46067	46471	100.761
	22	46776	46908	46265	47089	46498	46921	46807	46527	46447	46249	46607	46228	101.357
	23	46725	46994	46904	46656	46574	46426	46614	46142	46318	46131	46529	46051	101.129
2	0	46001	46283	46630	46530	47062	46934	46589	45741	46528	46375	46152	46154	100.930
	1	46814	46579	46444	46304	46148	46148	46186	46880	46174	46988	46649	45573	100.916
	2	46516	46694	46646	46643	46500	46446	46720	46379	46334	47010	46470	46354	101.247
	3	46412	46053	45939	46238	46375	47026	47047	46263	46223	46164	46221	46462	100.832
	4	46995	46067	46894	46527	45977	46559	46596	46004	46214	46470	46347	46370	100.940
	5	46019	46275	46290	46390	46701	46171	46482	46772	47156	46281	46574	46545	101.055
	6	46437	46846	46445	46125	46396	47162	46957	46363	46062	46112	45910	46421	100.979
	7	46928	46617	46899	45979	45946	46440	46392	46926	46821	46696	46551	46637	101.268
	8	46249	46144	46676	46486	46913	46464	46184	46461	46176	46313	46714	46695	101.023
	9	46966	46021	46346	46687	46549	46659	45953	46575	47270	46847	46969	46155	101.298
	10	46354	47267	45992	46683	46624	46689	46441	46314	46689	46111	45864	46147	100.968
	11	46375	46648	46614	46705	46845	46571	46965	46552	46862	46540	46229	46421	101.358
	12	46840	46894	46460	46951	46546	46760	46507	46003	46915	46296	46467	46843	101.386
	13	46557	47325	46318	46449	47019	46157	46820	46538	46757	46786	46877	46202	101.444
	14	46681	46325	46208	46763	46701	46417	46090	46463	47140	46799	46697	46529	101.265
	15	47002	46752	46591	46896	46109	47282	46898	46580	45861	46401	46794	46072	101.342
	16	46688	46732	46886	46011	46043	46775	46575	46419	46389	46383	47150	46457	101.209
	17	45807	47074	45884	46177	46333	46598	46401	47386	46551	46473	46065	45867	100.867
	18	46204	46107	46557	46178	46648	46456	46079	46854	46111	46594	46174	46045	100.756
	19	46778	46024	46232	46356	46432	46568	46393	46960	46629	46541	46821	46877	101.228
	20	46753	45872	46589	46631	46241	46425	46975	46471	46575	45859	46531	46458	101.005
	21	46030	46194	46220	46206	45825	45694	46417	45923	46430	46286	46220	46913	100.458
	22	46750	46221	46618	46717	46694	46594	46715	46587	46196	46851	46379	46687	101.300
	23	46955	46888	45971	46086	46628	46769	46761	46543	47091	46868	46558	46686	101.444

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – January 2011											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
3	0	46924	46460	46259	46216	46381	46583	46416	46189	46177	46577	46868	47069	101.139
	1	46527	46539	45961	46231	46616	47267	46433	46702	46425	46343	46163	46757	101.111
	2	46534	46260	46423	46135	46623	46803	46784	46657	46152	47016	47146	46242	101.258
	3	46059	46443	46277	46735	46478	46477	46521	46629	46945	46417	46167	46149	100.990
	4	46767	46385	46674	46536	46302	46315	46448	46594	45940	46716	46450	47082	101.155
	5	46549	46396	46516	46246	46421	46044	46122	46872	46280	46930	46387	46118	100.915
	6	46950	45628	46797	47259	46482	46530	46597	46184	46233	46368	46327	46281	101.051
	7	47071	46625	46369	46879	47105	46647	46892	46428	46511	46669	46822	46629	101.597
	8	46492	46345	46612	46389	46502	46545	46563	47178	46514	46353	46780	46379	101.236
	9	46260	47054	47020	46617	46152	46666	46777	46351	46435	46406	46978	46868	101.404
	10	46875	46611	46928	46678	47075	46438	46491	46428	46371	46468	46559	46797	101.429
	11	47420	46481	46784	46958	46791	46519	46331	46236	46837	45964	46655	46110	101.314
	12	45945	46904	46344	46466	46673	46869	46350	47016	46753	46562	46916	46673	101.384
	13	46889	46916	47519	46565	46631	46653	46644	45990	47292	46656	47144	45664	101.582
	14	46913	46197	46329	46837	46374	47104	46562	47482	46568	45878	46280	46619	101.325
	15	46742	46848	46718	46949	46377	46396	46375	46548	46313	46235	46520	46334	101.182
	16	46992	46608	46241	46163	46301	46433	46746	46457	46193	46476	46808	46435	101.091
	17	46697	46235	46919	46335	46489	46413	46618	46499	46521	46474	46543	46257	101.118
	18	46417	46640	46112	46523	45961	46719	46454	46907	46701	46343	45767	46605	100.964
	19	46361	46495	46307	46598	46470	46477	46614	46902	46514	47014	46736	46986	101.384
	20	47132	46523	46951	46718	46603	47116	46600	46145	46895	46987	46458	46218	101.543
	21	46477	46861	46543	46816	46683	46780	46629	46793	46102	45997	46180	46834	101.244
	22	46949	46566	46555	46605	46429	46163	46782	45977	46906	46227	46759	46328	101.162
	23	46679	46477	46183	46234	46690	46164	46182	46986	46091	47315	45572	46361	100.925
4	0	46492	46457	46757	46679	45753	46599	46214	46212	46305	46140	46904	46840	101.000
	1	46922	46464	46334	46388	45652	46240	45969	46413	46615	46499	46752	46869	100.957
	2	47407	46908	46442	46158	46894	46552	46882	46198	46103	47195	47022	46166	101.467
	3	46482	46184	46872	46609	46717	46721	46718	46689	47051	46157	46667	46039	101.282
	4	46813	46005	46611	46409	46072	46474	46220	46490	46371	46621	46955	46839	101.096
	5	46154	46776	46493	45862	46283	46384	46490	46465	46763	46709	46508	46596	101.023
	6	46156	46478	46292	46700	46406	47365	46268	47076	46443	46442	46202	46914	101.252
	7	46981	46535	46585	46505	46422	47224	46477	46237	46928	46377	46672	46824	101.438
	8	46760	46450	46465	46907	46369	46327	46574	46424	46745	46076	47116	46265	101.204
	9	46610	46981	46124	46818	47067	47272	46583	46366	47157	47006	46424	46310	101.610
	10	46727	47448	46381	46352	46949	46643	46912	47298	46520	46634	46481	46667	101.663
	11	46895	46434	46579	46635	46985	46139	46546	46728	47085	46867	47150	46706	101.616
	12	46499	46695	46884	46565	47091	46580	46261	46718	47058	46740	46254	46570	101.465
	13	46392	46244	46752	46507	46461	46680	47044	46586	46570	47389	46011	47827	101.564
	14	46138	46776	46500	46801	46845	46793	46829	46397	46444	46457	46210	46723	101.283
	15	46905	46462	46619	46628	46783	46674	47435	46900	46158	46743	46697	46411	101.555
	16	46431	46729	46952	46451	46451	46182	47163	46663	46938	46804	46537	46846	101.506
	17	46320	46791	47032	46806	46441	45973	46440	46756	46066	46406	46559	46659	101.163
	18	46890	47005	46889	47026	46597	46880	47080	46522	46901	46531	46020	46681	101.665
	19	47072	45927	47122	46808	47156	46847	45722	47193	45910	46462	46497	46915	101.413
	20	46284	47047	47038	45706	46561	46096	46456	46595	46782	46873	46019	46498	101.110
	21	46755	46446	47238	47138	46599	46975	46551	47302	46652	46108	47215	46522	101.752
	22	46266	45540	46723	47133	46607	46602	46649	47001	46635	46339	46305	45995	101.080
	23	47281	46642	46707	46212	46554	46951	46128	46393	46548	46706	46483	46760	101.365

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - January 2011											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
5	0	46343	46360	46802	46402	46562	46616	46299	46129	46614	46667	46465	46426	101.057
	1	46473	46546	46285	46670	47210	46900	46977	46518	46380	46455	47035	46684	101.504
	2	46683	46751	46624	46441	46475	47027	46736	46595	46288	47259	46285	46076	101.342
	3	46642	46476	46727	46350	46829	47001	46443	47075	46667	46650	46913	45922	101.425
	4	46285	45906	46024	46446	46840	46877	46432	45966	46529	46905	46828	46388	101.013
	5	46003	46721	47008	46498	46035	46035	46268	46125	47024	45866	47103	46569	100.983
	6	46683	46418	46946	46236	46322	46351	46181	46618	45798	46561	46867	46300	100.988
	7	47019	46909	46142	46365	46472	46219	46821	46267	46310	46631	47148	47104	101.372
	8	47012	46973	46711	47134	46594	47150	46535	46194	46925	46872	46536	47010	101.778
	9	46328	46471	46522	46400	46942	46967	46690	46460	46911	46676	46737	46723	101.448
	10	46883	46812	47371	46549	46579	46898	47166	45728	46193	46804	46281	46558	101.448
	11	46781	46698	46154	46708	47041	47125	46932	46296	46927	46470	47036	46811	101.658
	12	46809	46784	46850	46815	46705	47048	46706	47196	46406	46599	47092	46564	101.765
	13	46994	46725	46059	46383	47190	46778	46743	46941	46912	46901	47064	47111	101.806
	14	45725	46733	46695	46738	46552	46468	47133	46802	47612	46379	46530	47048	101.555
	15	47026	46495	46643	46805	46331	46567	47778	46239	46727	46554	47066	46937	101.692
	16	46540	46873	46259	46490	46455	46569	46434	46936	46508	46728	46517	46256	101.220
	17	46605	46985	46182	46437	46258	47073	46445	46292	46120	46896	46122	46782	101.153
	18	46501	46596	46228	46744	46828	47089	46616	46547	46377	46744	46960	46008	101.342
	19	46123	47071	46543	46749	46675	46596	46709	46284	46390	46429	46621	46137	101.177
	20	45946	46288	46056	46491	45990	46526	46830	46771	46235	46543	46755	46080	100.847
	21	46179	46926	46351	47028	46093	46359	46508	46091	46533	46519	46538	46671	101.080
	22	46424	46529	46259	45625	46347	46216	46637	46336	46342	46377	46736	46739	100.858
	23	47122	46711	46475	46535	46407	46198	46448	46553	46927	46366	46524	46653	101.284
6	0	46583	46668	46438	46416	46734	46181	46592	46403	46780	46733	46939	46446	101.281
	1	46100	46883	46173	46579	46437	46289	46286	46451	46448	46417	46329	47196	101.043
	2	46572	46528	46195	46538	46622	46725	45789	46574	46463	46197	47318	46969	101.206
	3	46503	46829	46711	45882	46275	46251	46678	45973	46929	46172	45769	47002	100.932
	4	46177	46405	47162	46689	46954	46740	46558	46836	46266	46840	46267	46403	101.352
	5	46305	46638	47478	47223	46278	46151	46757	46843	46426	46919	47144	46580	101.615
	6	46549	45965	46837	46696	46479	46796	47000	46550	46948	46447	46491	46639	101.371
	7	46412	47102	46471	46448	46843	46111	46707	46805	46734	46455	46668	46979	101.432
	8	46916	46760	46943	47001	46845	46339	47356	45887	46709	46523	46451	46908	101.596
	9	46140	47005	45837	46880	46428	46971	46861	47466	46799	46829	46459	46531	101.517
	10	46340	46329	46667	47166	46709	46252	46589	46740	47082	46980	46730	46635	101.520
	11	46750	47308	46705	46746	46551	46970	46788	46389	46562	46229	47197	46367	101.582
	12	47030	46234	46817	46206	46611	46652	46565	47229	46775	46668	46444	46397	101.413
	13	46766	47030	46861	47045	47306	46547	46559	46919	46916	46771	46492	47194	101.916
	14	46623	46511	46441	46837	47214	46525	46117	46288	46462	46537	45966	46735	101.164
	15	46141	46798	46500	46652	46177	46504	46673	46759	46175	46296	46573	46678	101.104
	16	46369	46161	46071	46568	46816	46903	47009	45921	46436	46865	46688	46690	101.208
	17	46681	46866	46632	45561	46336	46585	46880	46808	46354	45910	46113	46599	100.995
	18	47086	46614	46917	46355	46401	46684	45552	46576	46714	46868	46415	45963	101.145
	19	46173	46999	46320	45912	46437	46560	46299	45670	46049	46595	46830	46096	100.744
	20	46293	46475	46557	46503	45393	46093	46707	45899	46013	46101	46709	45914	100.512
	21	45876	46217	46202	45694	46221	45740	47033	46630	45964	46396	46084	46866	100.560
	22	46579	46873	46955	46978	46773	46146	46326	46173	46250	46940	46991	46154	101.324
	23	46460	46535	46567	45713	47089	46220	46790	46733	45871	46487	46483	47072	101.121

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
7	0	45894	46903	46273	46090	46099	45876	46844	45889	46728	45963	47424	46425	100.830
	1	46611	46362	47580	46576	46071	46701	46560	46239	46912	47317	46517	46697	101.506
	2	46839	46297	47062	47012	46571	46747	46149	46363	46872	46439	46305	46454	101.319
	3	46624	46605	46302	46598	46426	46713	46591	46445	46259	46785	46407	46482	101.161
	4	46103	46816	46164	46670	46664	46639	46719	47084	46460	47194	46631	46553	101.425
	5	46839	46659	46447	46980	46700	46541	46735	46540	46931	46213	46401	46639	101.412
	6	46928	46326	47305	46807	46743	46791	46803	47075	46797	46646	46858	46306	101.731
	7	46824	46754	46777	46701	46591	46846	46645	46690	46214	46681	46881	47055	101.600
	8	46230	45885	46556	46718	46688	46515	46783	46419	46814	46572	46348	46646	101.149
	9	46286	46504	46931	46194	47462	46719	46640	46546	46920	46795	47172	46975	101.687
	10	46462	46967	46587	47431	47237	46548	45811	47153	46186	46911	46981	47341	101.772
	11	46745	46752	47231	47007	46796	46885	46602	46083	46528	47525	46249	46682	101.677
	12	46881	46596	46866	46829	46920	47260	47093	47057	46782	46180	46714	46115	101.714
	13	46454	46178	46237	46178	46742	46745	46734	47298	46983	46553	46727	46294	101.321
	14	46153	46763	46525	46530	46740	46149	47189	46347	46604	46908	46769	46042	101.248
	15	46083	46900	46973	46371	45826	46872	46294	47244	47321	46469	46716	45912	101.295
	16	46461	46516	46735	46368	45727	46421	46003	47104	46715	46639	46337	46699	101.068
	17	46326	46396	46558	46448	46807	46352	46163	46746	46461	46939	46554	46820	101.221
	18	46204	46774	46164	46509	46830	46432	46309	46321	45855	46621	46254	47087	101.002
	19	46136	46430	46346	46020	46862	46587	46382	46471	45889	46166	45603	46059	100.565
	20	45892	46832	46154	46078	46188	46581	46448	46275	46406	45803	46969	46084	100.703
	21	45889	45867	46721	46315	47011	46341	46589	46468	46996	46605	46241	46026	100.948
	22	46103	47321	46684	46182	46619	46242	45919	46708	46213	46486	46747	45922	100.963
	23	46367	46550	46724	47299	46882	46803	46133	47066	46886	46513	46269	46528	101.484
8	0	46353	46253	46984	46424	46441	47238	46618	46491	46548	46584	46074	46976	101.293
	1	47036	46255	45760	46504	46735	46580	46831	46063	45940	46286	46503	46654	100.963
	2	46296	45711	46586	45970	46933	46595	46132	46491	46146	45772	46466	46526	100.687
	3	46285	46241	46056	46465	46803	45888	46223	46360	46405	46186	46174	46491	100.678
	4	45836	45925	46563	46010	46029	45940	45765	47020	46252	46185	46408	46825	100.530
	5	46008	46445	46703	46199	46973	46410	46285	46310	46394	46386	46846	46543	101.027
	6	46890	46863	46560	46252	45858	45684	46274	46529	46467	46194	46093	46208	100.732
	7	46782	46537	46659	46283	46654	46556	46460	46265	46019	46211	46885	46473	101.079
	8	46950	46314	47074	46757	46292	46835	46422	46693	46451	46404	46748	46695	101.414
	9	46866	46526	47524	46872	46547	46494	46059	46607	46237	46565	46745	47108	101.507
	10	46845	46840	47166	47033	46343	46451	46865	46485	45927	46730	46285	46726	101.425
	11	46033	46572	46423	46614	46280	47036	47234	47158	46586	46274	46136	46342	101.242
	12	46280	46163	46768	46881	46147	47088	46881	46607	46437	46259	47178	46936	101.412
	13	46352	46644	46692	46329	46352	46297	47044	46247	46499	46793	46121	46257	101.050
	14	46871	47433	46737	46816	46666	46771	46317	46848	46688	46611	46152	46408	101.538
	15	46588	46818	46233	46207	46999	47186	47235	46521	46171	46252	46789	46250	101.344
	16	46190	46447	46212	45744	46682	46715	47055	46588	46212	46890	46833	46501	101.130
	17	46293	46450	46981	46079	46284	46337	45959	46683	46673	45673	46186	45845	100.654
	18	46451	46020	46294	46471	46896	46846	47591	46264	46505	46692	46781	46847	101.418
	19	46584	46759	46551	46076	46443	46420	46523	46029	46561	46424	46648	46644	101.056
	20	46735	45804	46045	46887	47160	47066	46763	46660	46190	46141	46016	46332	101.081
	21	46429	46171	46451	46474	46362	46640	46016	46691	47388	46332	46190	46059	100.973
	22	46772	46354	46313	46772	46549	46528	46762	46262	45901	46626	45822	46731	101.007
	23	46223	46331	46652	46419	46791	46274	46210	46286	46221	46099	46375	46492	100.822

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
9	0	45923	47144	46366	46626	46846	46546	46896	46201	46871	46516	46574	46889	101.372
	1	46759	46298	46664	46948	45995	46539	46479	46312	46727	46986	46203	46091	101.118
	2	46578	46347	46379	46183	46477	46682	46797	46554	46740	46539	46528	47389	101.334
	3	46726	46708	45932	45830	46933	47239	46218	45860	46582	46616	46533	46098	100.986
	4	46719	46921	47045	46484	46329	46490	46454	46875	46197	46003	46270	45828	101.048
	5	46813	46213	47105	46521	46258	46705	46293	46915	46120	46087	46598	45982	101.047
	6	46548	45880	46599	46291	46387	46450	47019	46646	46332	45707	46471	46377	100.883
	7	46190	46939	46514	46741	46290	45818	47004	46880	46671	47069	46863	45748	101.249
	8	46555	46546	46127	46252	46901	46686	45956	46557	46130	46251	46246	46923	100.960
	9	46639	46919	46377	46897	46433	45909	46141	46583	47060	46963	46651	46596	101.329
	10	46745	46102	46508	45936	47198	46280	46815	46208	46385	46348	46169	46354	100.945
	11	46642	46312	46065	46188	45820	46667	46816	46208	46997	46075	46375	46554	100.886
	12	45794	46917	46771	46409	46405	47017	47522	46316	46391	46576	46968	47261	101.543
	13	46522	46593	46755	46793	46811	46590	46429	46838	46651	46560	46597	46328	101.383
	14	46591	45922	46875	46880	46687	46225	46281	46222	47172	46953	46775	46749	101.359
	15	46661	46441	46154	46564	46526	47433	46033	46538	46322	46615	46475	46254	101.120
	16	46627	46297	46963	46475	47387	46498	46867	46169	46685	46543	46531	46502	101.398
	17	47067	47249	46514	46687	46404	46909	46785	46570	46813	46214	46459	46349	101.484
	18	47277	45992	46957	46437	46749	47225	47218	47498	46293	46585	46619	46350	101.697
	19	47159	46890	46755	46811	46942	46432	46434	46485	47040	46942	46675	46390	101.653
	20	46972	46755	46785	46358	46013	46341	46398	47467	46739	46761	46507	46639	101.432
	21	46716	46572	47400	46901	46321	46531	47168	47091	46923	47240	46648	46447	101.834
	22	47021	46257	46257	46790	46649	46505	46542	47048	46579	46036	46923	46559	101.329
	23	46525	46155	46898	47239	46162	46997	47105	46659	46715	46540	46490	46477	101.473
10	0	46492	46152	46901	47112	47093	46447	46799	46887	46433	45900	46344	46380	101.283
	1	46121	46211	46420	47116	46511	46522	46361	46300	46829	46634	46532	46019	101.041
	2	46095	46527	47039	46731	46663	46348	46818	46360	46701	45955	46299	46344	101.096
	3	46656	45831	46658	46801	47178	46733	46240	46405	46486	46260	46194	46602	101.125
	4	47018	46384	46916	46752	46714	46068	46622	46452	46972	46513	46944	46706	101.491
	5	46457	46880	45905	46626	46457	45833	46724	46230	46362	46136	46273	46522	100.829
	6	46694	46793	46869	46421	46858	46769	46424	46795	46510	46670	46376	46178	101.364
	7	46515	46597	46813	46348	46165	46028	46206	46552	46491	46584	46273	46207	100.896
	8	46831	46313	46849	46763	46587	46441	46488	47090	46752	46910	46798	46606	101.558
	9	46863	46521	46977	46934	46983	46329	47237	46435	46475	46615	46744	46257	101.547
	10	47264	46578	46590	46723	46456	46770	47058	46874	47101	46952	46958	46542	101.818
	11	46921	46718	47379	46873	46641	46841	46677	46413	46011	46553	46549	47004	101.585
	12	46798	46763	46769	46821	46889	46254	45935	46880	46731	46761	46911	46891	101.553
	13	46415	46233	46854	46862	46487	46574	47213	46364	46965	46723	46283	46907	101.458
	14	46460	46568	46490	46491	46462	46899	46888	46561	45923	46883	46799	46020	101.198
	15	47206	46633	47169	46183	46409	46815	46803	47135	46709	46669	46971	46593	101.715
	16	47077	46568	46535	46896	46907	47097	47250	46279	46830	46133	46424	47211	101.699
	17	46352	46469	46986	46690	46374	46758	46726	46551	46694	46711	46934	46942	101.514
	18	46912	46477	47191	47311	47141	46991	46735	46470	47064	46271	46601	46575	101.795
	19	46484	46820	47006	46127	46441	47219	46853	47226	46717	46680	46074	46660	101.536
	20	46261	46873	46060	46463	46342	46650	46586	46858	47256	46844	46755	47029	101.476
	21	46409	46196	46851	46498	47126	46724	46126	47124	46670	46587	47386	46733	101.558
	22	46509	46779	47032	46573	46548	46431	46744	46847	47149	46685	46794	46243	101.540
	23	46748	46063	46506	47318	46624	46605	46513	46824	46164	46608	46563	46652	101.333

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – January 2011											20 NM-64	
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
11	0	46683	46643	46809	46828	47075	46905	47208	46504	46730	47110	46680	46134	101.711
	1	46724	46380	46972	46390	46390	46788	46761	47276	46848	46799	46550	47206	101.677
	2	47032	47187	46633	46831	46365	47089	47064	46513	46384	46419	46519	46736	101.619
	3	45678	47428	46846	46656	46082	46516	46769	45870	46678	46605	47065	46947	101.324
	4	46489	46471	47064	46571	46812	46534	46659	46777	46643	46544	47403	46855	101.629
	5	46467	46455	46612	45929	46982	46890	46694	47352	46252	46658	46406	46812	101.391
	6	46789	47294	46728	47385	46719	46924	46836	47035	46605	46608	46724	46684	101.903
	7	47649	47086	46503	47184	46939	47289	46807	46266	47187	47051	46175	45994	101.866
	8	47203	47023	47270	46991	46476	47186	46472	46357	46178	47208	47030	46379	101.802
	9	47013	46436	46278	46582	47392	46729	46613	46965	46124	47320	46822	46089	101.546
	10	46793	47257	46155	46993	47275	46933	46666	46361	46924	46376	46389	47221	101.723
	11	46675	47091	46401	46876	46964	46871	46955	47229	47178	46531	46882	46894	101.942
	12	46540	46625	46171	46870	47058	46444	46608	46537	47031	46841	46578	46495	101.444
	13	46939	46820	46886	47352	46572	46019	46907	46642	47002	46573	46636	46767	101.682
	14	46527	46672	47043	47216	47394	47130	47173	47541	46889	47455	47069	47047	102.414
	15	46689	46795	46678	47098	46680	47174	47359	47205	46898	47287	47261	46735	102.179
	16	46288	46911	47188	46311	47375	46798	46874	46446	46723	47025	46494	47277	101.790
	17	46818	46816	46811	46475	46990	46327	47214	47258	47356	46490	46837	46652	101.850
	18	47147	46873	47483	46647	46979	46653	46902	47109	46861	46754	46745	47103	102.070
	19	47103	47003	47202	46631	46206	46959	46512	46930	47198	46815	47065	45941	101.763
	20	47176	46598	46487	46883	46618	47267	46824	47294	46111	46898	46296	46559	101.663
	21	46621	46575	46545	46771	47464	47126	46600	46351	46803	46901	46205	46319	101.531
	22	46316	46394	47059	46732	46706	46690	46883	46201	46549	46321	46929	47497	101.530
	23	46270	46359	46237	46795	46547	46553	46354	46178	47123	46176	46739	46853	101.151
12	0	47280	46753	46841	46691	47095	46804	47069	46825	46774	46459	46624	46788	101.835
	1	46306	47380	46676	47273	46647	46166	46853	46549	46188	46488	46821	46371	101.429
	2	46871	46524	46272	46508	46657	46674	45959	47019	46389	46190	47033	46947	101.307
	3	46671	46725	46324	46275	47091	46767	46629	46075	46132	46693	46866	47247	101.388
	4	46818	46830	46005	46507	46644	46561	46886	46346	46988	46657	46053	46161	101.200
	5	46295	47346	46533	46073	47254	46421	46694	46020	46356	46236	46822	46670	101.248
	6	46525	47423	46687	46494	46868	46440	46917	46973	46947	46728	46388	46465	101.635
	7	46778	46461	46752	46502	46706	47110	46667	47054	46995	46616	46651	47407	101.788
	8	46575	46756	46449	46620	46748	46579	46721	47143	46636	46389	46549	47269	101.559
	9	47016	46632	47200	47291	47067	46763	46433	46732	46542	46729	46844	47090	101.904
	10	46804	46277	46431	47047	46697	47085	46762	46952	46917	47141	47427	46738	101.893
	11	46301	47381	46784	46822	47016	46313	47320	46476	46290	46945	46370	47138	101.690
	12	47032	46724	46848	47067	46637	47319	47324	46630	46010	47172	46586	47084	101.921
	13	46741	47495	46950	47049	46886	46933	46249	47831	46042	46778	46606	47166	101.974
	14	47141	46534	46537	46549	46249	46805	46875	46771	47028	46244	46304	46993	101.485
	15	47290	47036	47009	47054	47106	46734	47275	46971	47042	47087	46752	47416	102.345
	16	46896	47003	47290	47018	46565	46983	47042	46502	45626	46675	46246	46951	101.625
	17	47123	46942	46475	46585	46813	46779	46878	46911	46560	47003	47362	46532	101.836
	18	46087	46704	46739	46618	46547	46450	47122	46460	46637	46178	46155	46301	101.117
	19	46432	47163	46451	47712	46304	47058	46271	46556	46677	46592	46712	46742	101.602
	20	46996	46011	46863	46541	46689	47209	46872	46646	45689	46482	46537	47329	101.455
	21	46788	46528	46716	47200	46707	46811	46108	47171	46141	46990	46245	47144	101.580
	22	46701	47204	46709	45861	46753	46681	46788	46893	47142	46184	46318	46724	101.472
	23	46649	46929	47790	47322	47209	46584	46596	47073	46675	46897	46522	46432	101.965

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - January 2011										20 NM-64		
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
13	0	46652	46609	46772	46276	46733	46888	46672	46360	46007	46942	45784	46875	101.221
	1	46661	46661	46992	46207	46593	46854	46856	46720	46150	46846	47019	46550	101.500
	2	47028	46278	46211	47052	46960	46388	46644	46201	46898	46904	46370	46304	101.341
	3	47580	46366	45983	46858	47307	47340	46682	46784	46755	46424	47002	46275	101.726
	4	46725	46865	46472	47145	46388	46710	45933	46651	46872	46613	47351	46417	101.506
	5	46718	46714	47287	46189	46500	46394	46564	46402	46488	46395	47027	46397	101.312
	6	46440	46645	46268	46720	46623	46340	46575	46411	46750	46741	46756	46510	101.259
	7	46792	46628	46458	46451	46615	46704	47039	47560	46863	46648	47261	46858	101.820
	8	46884	46012	46934	45983	46700	46716	46900	46749	47208	46708	46042	46287	101.321
	9	46734	46578	46856	46178	46689	46161	46271	46877	46886	46847	47025	46918	101.484
	10	47307	46489	47167	46726	46340	46494	46846	46443	46189	46222	46657	46823	101.426
	11	46655	46476	46850	47126	46440	47080	46525	46701	46325	46490	46252	46773	101.424
	12	46038	46270	46307	46519	47163	46831	46658	46325	46526	46686	45832	46712	101.094
	13	45915	46595	46308	46106	46001	46668	46560	46576	46566	46728	47113	46754	101.098
	14	46274	46297	46554	46756	46103	46917	46608	46618	46368	47570	46450	46020	101.214
	15	46529	46039	47243	45926	45617	45974	46489	46627	46261	46919	46614	46407	100.872
	16	46027	46531	46084	46904	46235	46309	46598	46509	47006	45952	46486	46623	100.984
	17	46827	47296	47012	46525	46830	46865	46562	46446	46384	46414	46454	46511	101.503
	18	46530	46474	45753	47065	47233	46362	46240	46596	46533	46939	46741	45957	101.194
	19	46263	47087	46027	47085	46537	46334	46746	46660	46882	46788	47092	46926	101.557
	20	46579	47027	46773	46332	45940	46584	47081	46487	46542	47166	46953	47009	101.566
	21	46496	46686	47024	46369	46508	46971	46201	46018	46482	46668	46341	46499	101.165
	22	46245	47001	46353	46627	46681	46273	47192	46783	46760	46337	46348	47088	101.423
	23	46327	46817	46158	46991	46261	46937	47570	46068	46741	46665	46265	46906	101.427
14	0	47017	46790	46235	46863	46157	46531	46177	47126	46050	46715	46742	45894	101.169
	1	46453	45990	46362	45885	46443	47114	46221	46293	45998	46670	46221	46070	100.704
	2	46116	46102	46244	46323	45809	46485	46029	46828	46108	46486	46308	46769	100.684
	3	46134	46311	46646	46720	46062	46514	46731	46998	46586	46094	46959	47195	101.290
	4	46706	46081	46373	46431	47075	46315	45626	47154	45673	45724	46518	46366	100.763
	5	45850	46073	46585	45768	45589	45760	46207	46431	46585	45889	46785	45720	100.255
	6	45879	46285	46412	46579	46848	45617	46382	46313	45833	47075	46949	46712	100.915
	7	46869	45862	46274	46660	46235	46376	46468	45631	46417	46684	46032	46737	100.800
	8	46371	46156	46106	46370	46280	45760	46096	45962	45762	46107	46884	45933	100.354
	9	46430	46946	46087	46433	46775	46199	46703	46617	46271	45946	46203	46022	100.870
	10	45568	46580	46269	47268	46505	46832	46426	47159	46088	46304	46588	46346	101.106
	11	46187	46127	45957	46486	46037	46621	46269	46002	45808	46260	46565	46426	100.528
	12	46239	46481	46083	45801	45919	46746	45957	46212	46703	46480	46490	46580	100.699
	13	46062	46209	46746	46357	46803	46396	46850	46211	46213	46838	45886	46275	100.908
	14	46688	47105	46421	45994	46441	46297	45753	46526	47048	46391	46059	46262	100.933
	15	46697	46169	46622	46532	45949	46427	46499	45996	46242	45981	46265	45825	100.611
	16	46449	46459	46673	46436	46003	45920	46115	45605	46266	45857	46263	46047	100.410
	17	46399	46064	46923	46487	46372	46406	46221	46523	46109	46026	46479	46032	100.763
	18	46302	46345	46796	46709	45525	46687	46480	46759	46109	45880	46835	46151	100.860
	19	46562	46097	46297	46024	46166	46359	46460	46206	46856	46525	46218	46726	100.845
	20	46318	46323	46112	45861	46419	46262	46981	46025	46425	47417	46406	45810	100.820
	21	46632	46592	46067	46471	46329	46519	46622	46237	46257	46424	46629	46430	100.974
	22	46378	46674	46593	45964	47124	46902	46428	46285	46424	46192	46477	46039	101.024
	23	46979	46583	46644	45849	46575	46891	47135	46737	46458	46021	46342	46501	101.247

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INAF/UNIRomaTre		00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
15	0	46616	46879	45936	46454	46379	46169	46520	46982	46031	45489	46270	46153	100.730
	1	46055	46325	46482	46070	46690	46338	45527	46158	46515	46344	45904	46401	100.539
	2	47202	46191	46794	46417	47168	45476	46711	46492	45708	46626	46156	46251	100.971
	3	46124	47208	46323	45484	46108	46374	46234	45738	46533	45852	45741	46354	100.406
	4	46166	45352	46106	46395	46504	46547	46643	46871	46323	46261	45757	46923	100.729
	5	46440	46511	46973	46355	45749	46102	46050	45979	46078	46655	46389	46175	100.657
	6	46475	46922	45875	46824	46903	45605	45457	46020	45897	46398	45967	46157	100.485
	7	46049	46344	46094	46279	46212	46666	46371	45850	45747	45699	45839	45830	100.208
	8	46257	45939	46576	45936	45907	46168	46629	45562	46324	46059	45860	46162	100.280
	9	46676	46229	46262	46098	45518	46343	46801	46141	46117	46151	46438	46247	100.578
	10	46027	45992	46081	46681	46283	45963	46141	46383	45916	46569	46550	46811	100.646
	11	46268	46434	45850	45778	45812	46191	45972	45761	46406	46593	46147	46360	100.315
	12	46487	46060	46655	45884	46347	46009	45725	46532	46501	46382	46103	46540	100.615
	13	45988	46612	46231	46241	46300	46086	46505	46163	46451	45713	46201	46223	100.522
	14	45850	46334	46170	46281	45695	46721	45819	46156	46468	46908	46299	46636	100.635
	15	46476	46696	46214	45667	46041	46338	46106	46838	46036	45634	46750	46135	100.561
	16	46173	46143	46431	46616	46515	46261	46077	46784	46770	47331	46475	46055	101.050
	17	46465	46323	46309	46008	46740	46409	46439	46696	46620	46852	46244	46447	101.036
	18	46375	46456	47178	46195	46747	47538	47141	46466	46348	46739	46187	46236	101.409
	19	46795	46116	46447	46853	46274	45956	46889	45386	46437	46795	46849	46032	100.906
	20	46280	46011	46356	46419	46593	46804	46482	46676	46603	46660	45610	46604	100.954
	21	45758	47108	47030	46765	46855	46713	46476	47372	47290	46851	46180	47157	101.762
	22	46521	46530	46708	46257	47068	46774	46453	46209	46436	46691	46756	46826	101.340
	23	46754	46040	46350	46634	46408	46324	46865	45995	46069	46551	46293	46644	100.923
16	0	46543	47214	46712	46345	46602	46950	45870	46216	46656	46253	46430	46758	101.221
	1	46777	46630	46858	46587	46138	45855	46822	46831	46843	46833	46577	47026	101.440
	2	45903	46489	45731	47225	46731	46768	46578	46496	46138	47295	46493	46414	101.165
	3	46424	46549	46816	46594	46842	46083	46279	46628	46581	45940	46422	46187	100.999
	4	46991	46614	46142	47192	46768	45871	45932	46700	45932	46622	46524	46880	101.148
	5	46708	46011	46091	46270	46508	45672	46810	46173	46188	46376	46230	45873	100.558
	6	46769	46514	46315	45704	46233	46453	46304	45869	46072	46024	46649	46529	100.653
	7	46020	46393	45955	46133	46428	46254	45786	46391	46371	46018	46545	46177	100.478
	8	46286	46374	46626	46750	46463	45817	46045	46115	46200	46660	46144	46508	100.753
	9	47110	45583	46582	46662	45894	46132	46779	46693	46572	46495	46580	46453	101.033
	10	46940	46742	46895	46107	46930	46533	46291	46517	45841	46240	46709	46219	101.111
	11	46200	46625	46654	46206	46776	46243	46560	46605	46773	46427	46875	46483	101.195
	12	46393	45621	46740	46192	46261	46244	45625	45926	45768	45982	46597	45570	100.196
	13	46369	46845	45937	46787	45643	46564	46891	46176	45987	46053	46265	46424	100.744
	14	46189	46690	46393	46365	45972	45965	46489	46515	46544	46572	45810	46130	100.689
	15	46717	46531	46306	46719	46235	47280	46478	46246	46331	46071	46226	46372	101.029
	16	46690	46799	46503	46656	47265	47225	46516	46484	46642	46991	46594	46203	101.583
	17	45881	46002	47181	46498	46923	46594	46681	46714	46881	46573	46863	46216	101.300
	18	46441	46993	46704	46417	46891	46668	45500	46427	46763	46279	46717	46887	101.242
	19	46809	46723	46464	46080	46733	46224	46555	46939	46766	46458	47116	47056	101.466
	20	46386	46044	46110	47047	46493	46698	46753	46516	47076	46917	45752	46628	101.193
	21	46594	47160	46780	47003	46487	46618	47246	46424	46680	47000	46516	46750	101.708
	22	46867	46709	46302	46657	46427	46379	46804	46402	46795	46638	46592	46901	101.384
	23	46800	47031	46345	47008	46492	46883	46862	46820	46769	45970	46583	46165	101.431

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
17	0	46487	46472	46544	46135	46274	46164	46295	46704	46062	46153	45492	46237	100.573
	1	46143	47411	46691	46573	46599	46031	46722	45786	46467	46169	45785	46270	100.872
	2	46537	46097	46920	46080	45579	46376	46235	46211	46075	46516	45447	46292	100.459
	3	45421	46156	46198	46299	47057	46338	46310	46433	46299	45925	46394	45996	100.543
	4	46106	46351	46250	45841	46490	46741	46335	46545	45766	46228	46081	45896	100.507
	5	46773	46603	46205	45669	46034	46522	46186	46215	47278	46472	46113	46081	100.783
	6	46291	46056	45713	46516	45862	46581	46579	46598	46356	45981	46159	46263	100.566
	7	46129	46203	45537	46700	46519	46391	45558	46514	46365	46526	46628	46432	100.665
	8	47067	46104	46441	46357	46182	46623	46415	46424	45955	46080	46960	46064	100.877
	9	47437	47089	46317	46090	46344	46147	45593	46430	46597	46289	46645	46221	100.972
	10	46104	46274	45756	47113	46462	46647	46744	46898	45444	46755	46801	46359	101.002
	11	45659	47023	47167	46467	46579	47007	46264	45763	46609	45986	46798	46365	101.061
	12	46241	46652	45909	47080	46888	46281	46458	46001	46468	47110	46704	46657	101.199
	13	46944	46276	46238	46234	46450	46550	46324	46183	45792	45778	46225	46226	100.614
	14	46178	46207	47195	46243	46732	46134	46459	46514	46206	46865	46272	46350	101.001
	15	46507	45977	46714	46455	46816	46285	46899	45721	46511	46020	45966	46920	100.899
	16	46833	46978	46268	46397	46419	46194	46671	46459	46908	46311	45932	46675	101.126
	17	46804	46395	46393	46472	46504	46280	47059	46685	46179	46410	46803	45904	101.097
	18	47067	46104	46442	46441	46785	46253	46558	46737	46332	46575	46497	45934	101.068
	19	46861	45833	46351	46118	47152	46372	46319	46344	46195	46796	46663	46781	101.079
	20	46025	46155	46515	46150	45993	46086	46376	46785	46368	46545	46871	46573	100.836
	21	46450	46318	46556	46498	45881	46802	46407	46236	46260	46567	46551	46636	100.966
	22	46332	46929	46502	46099	46689	46340	46215	46396	46974	46448	46244	45739	100.919
	23	46837	46560	46121	46146	47034	46508	46174	46455	46439	46150	47024	46720	101.148
18	0	46525	46624	47259	47051	46215	46444	46983	46579	46404	46731	46368	46608	101.439
	1	46638	46715	47069	46174	46904	46840	46969	46765	47013	45731	46968	45831	101.410
	2	46950	45689	46547	46429	46839	46637	46864	46573	46651	46506	46338	46928	101.290
	3	46417	46342	46328	46273	46791	45978	46404	46456	46669	46319	45876	46142	100.754
	4	46677	46326	46386	46349	47210	47047	46731	46859	47019	46410	46872	46647	101.577
	5	47085	45741	46431	46448	46452	47208	46471	46440	46984	46112	46347	46270	101.116
	6	46835	46065	46337	46332	46502	46487	46114	46579	46144	46138	46011	46066	100.684
	7	46903	46645	46596	47117	46361	46746	46541	46713	46393	46518	47123	46792	101.561
	8	46166	46043	47462	46858	46491	46283	46251	46455	46702	47053	46901	47004	101.420
	9	46152	46893	46753	46458	46176	46638	46026	46318	46279	46343	46636	46059	100.887
	10	46406	47102	46658	47087	46487	45984	46686	46346	46602	46892	47194	47126	101.583
	11	46700	46298	46213	46455	47056	46549	46279	45833	46505	46681	46557	46563	101.061
	12	46572	46328	46551	46269	46604	46507	46447	45910	46529	46645	46373	45980	100.885
	13	46592	46997	46563	45821	46688	46587	46628	46464	46100	46445	46199	46314	101.008
	14	46696	46238	46340	46025	46692	46799	46201	47390	45781	46528	46559	46617	101.093
	15	45909	46574	46054	46366	46645	45988	46363	46817	46438	45956	46779	46939	100.905
	16	46045	46710	46817	46828	46062	46242	46545	46789	46463	46716	46671	46788	101.240
	17	46580	46693	46891	46279	46339	46235	46780	46697	46441	46501	45693	46698	101.086
	18	46958	46843	46971	46789	46744	45954	46662	46555	46194	46060	46704	46351	101.259
	19	46493	46592	46441	46673	46851	46371	46041	45894	46141	46163	46372	46611	100.872
	20	46680	46025	46690	46730	46569	46430	46482	45914	46430	46161	46616	46812	101.034
	21	46358	46207	46711	46518	45878	47159	46491	46118	45811	46961	46767	46317	100.990
	22	47116	46524	46600	46210	46205	47110	46925	46441	46447	46088	46459	46887	101.301
	23	46657	46836	46348	45920	47082	47121	46462	46402	46509	46163	46122	46465	101.133

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
19	0	46360	46000	46348	46326	46277	46583	46701	46560	46359	46755	46171	46531	100.928
	1	47095	46286	46816	46075	46492	46539	46425	46214	46589	46366	46049	46422	101.003
	2	46780	46453	46967	46634	46251	46434	46097	46363	47105	46554	46468	46355	101.201
	3	47406	46893	46519	46007	46408	46260	45986	46495	46933	46300	46173	46472	101.091
	4	46695	46400	46518	46472	46550	46305	46215	46601	46591	46134	46097	46446	100.941
	5	46664	46544	46566	46430	46441	46215	46822	45684	46454	46869	46409	46178	100.986
	6	47174	46542	47039	47103	46706	46472	46671	46251	46927	46461	46442	46595	101.549
	7	45992	46487	47063	45924	45784	46522	46399	46685	46776	46055	46885	46125	100.881
	8	46643	46636	46793	47053	46327	46492	46712	45977	46078	47082	45693	46479	101.111
	9	46269	46364	46036	46746	46268	46448	46966	46732	46317	46190	46331	46548	100.975
	10	46938	46567	47360	46308	46480	46304	46483	46688	46403	46544	46387	47148	101.409
	11	46675	46891	46454	46632	46707	46687	46816	46245	46798	46419	46613	46567	101.390
	12	45651	46595	47289	46321	46505	46367	46578	47118	46324	46848	45992	46747	101.179
	13	46171	46385	47084	45967	46236	46698	47014	47357	46478	46055	46281	46017	101.071
	14	47025	47286	46145	46839	46100	46648	46007	46777	46459	46413	46757	46718	101.330
	15	46817	46176	46613	46766	46121	46639	46628	47368	45991	46399	46648	46577	101.252
	16	46645	46759	46391	46015	46185	46885	47271	46907	46048	46200	46946	46309	101.219
	17	46843	47196	46858	46078	47029	47058	46248	45958	45716	46784	46767	46585	101.320
	18	47268	46344	46577	46782	46637	46293	47265	46634	47144	46807	46751	46723	101.702
	19	46403	46912	47251	46360	46571	46674	46747	46408	46921	46212	47064	45952	101.385
	20	46802	47203	46532	46460	46517	46670	47232	46633	46396	46905	46707	47333	101.732
	21	46636	47267	46667	46832	47531	46627	46077	46437	46874	46855	46630	46786	101.701
	22	46929	46294	46309	47013	46129	46841	46708	46555	46785	46520	46852	46278	101.337
	23	47293	46482	46518	46606	46967	46303	46678	46577	46380	46471	46929	46740	101.470
20	0	46370	47046	46149	46702	46692	46803	46873	46726	46770	46238	46223	46833	101.370
	1	46274	46395	46761	46570	46055	46194	47004	46704	46844	46370	47427	46859	101.382
	2	46580	46579	46563	47496	46558	46634	47132	46524	46498	46302	46221	46293	101.367
	3	46364	46583	46206	46051	46608	46685	46845	46792	46419	45806	46823	46444	101.050
	4	46712	46206	47148	46638	46338	46953	46372	46503	46503	46687	46596	46953	101.409
	5	46055	46833	46389	46119	46886	46569	45462	46441	46724	46665	46375	46833	101.000
	6	45856	45919	46544	46824	46409	46226	46611	46401	46647	47164	46544	46854	101.118
	7	46485	46119	46640	46878	46930	46118	47290	45934	47158	46290	46446	46550	101.269
	8	46829	46477	46666	46381	46063	46654	46866	46712	46769	46356	46552	46703	101.304
	9	46440	47257	46274	46360	46246	46151	46773	46052	46309	46293	46397	46941	101.026
	10	46728	46279	45919	46141	46612	46973	46429	46566	46686	46468	46263	46148	100.975
	11	46967	46457	46398	46741	46656	46692	46301	46519	46671	46290	46759	47501	101.471
	12	46484	46805	46615	46217	46731	46352	47024	47089	46659	46875	46661	46026	101.396
	13	46076	46008	46079	46624	46392	46554	46511	46484	46333	46692	46895	46444	100.953
	14	46604	46609	46714	45891	46581	46295	46144	46312	46326	46052	46200	46234	100.748
	15	46287	47100	46830	46421	46479	46817	47012	46648	46748	46640	46404	46294	101.422
	16	46310	46458	46327	46586	46820	46913	46416	46328	46637	46696	46851	46533	101.276
	17	46756	46234	45919	46467	46837	46495	46304	46619	46331	46281	46652	46670	101.038
	18	46911	46830	46613	46236	47241	46357	46139	46913	45971	46509	46977	46418	101.320
	19	46956	46654	46431	46392	47338	46896	46415	46866	46901	47354	47010	47195	101.916
	20	46552	46859	46075	46293	47186	46600	46630	46925	47063	46479	46340	46298	101.353
	21	46783	47201	46476	46764	46391	46495	46885	46803	46904	46435	46826	47018	101.658
	22	46326	47585	46551	46106	46355	46338	46774	46525	46750	46382	47101	46574	101.365
	23	46194	46525	46545	46773	46912	46923	46270	46342	46649	46624	46529	47314	101.407

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - January 2011										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
21	0	46178	46606	46893	46568	46952	46496	46156	46926	46990	46506	47233	46107	101.406
	1	46226	46454	46753	46100	46465	46172	46085	46023	46583	46970	46132	46284	100.800
	2	47079	46519	47095	46457	46343	46467	46715	46420	46111	46767	46322	46289	101.223
	3	46500	46296	46301	46554	45827	46704	46916	46417	47060	46779	46923	46480	101.255
	4	46823	47079	46798	46801	46693	46475	46887	46574	46649	46104	46795	46467	101.506
	5	46272	46220	46813	46903	47093	47088	46449	46674	46330	46039	46381	47161	101.375
	6	46847	46790	46669	46301	46481	46396	46615	46981	46504	47227	46915	46161	101.459
	7	47129	47169	46356	46550	47009	46710	46326	46534	46521	46570	47548	46342	101.619
	8	46845	46657	46805	46415	45960	46190	46464	46419	46533	46697	46671	46888	101.216
	9	46738	46477	46587	47162	46194	46556	47095	46402	47377	47057	46869	46459	101.656
	10	46870	47457	46853	46356	46440	46390	46350	46945	46346	46827	46931	46999	101.619
	11	47132	46163	46820	46375	46674	46753	46794	46513	45914	47055	46380	46617	101.333
	12	46244	46710	46813	47450	46686	46930	46665	46249	46508	47068	46320	47247	101.642
	13	47033	47009	46992	46785	47841	46895	46730	46236	46982	46298	46404	47328	101.939
	14	46615	46921	46741	46240	46184	46507	46325	47274	46892	47028	47206	46562	101.570
	15	47159	46344	46574	46919	46729	46472	46808	47113	47027	46511	46897	46580	101.685
	16	47312	46454	46701	47369	46397	47256	46628	46794	46698	46480	46008	47764	101.817
	17	46055	46564	47020	46483	46380	47141	46591	47254	46608	46652	46690	46822	101.527
	18	46892	46641	46934	46854	46363	46741	46314	46645	46756	46467	46768	46751	101.503
	19	47034	46532	47152	47028	46497	46614	46297	46412	46883	46496	46269	47337	101.580
	20	46187	46947	46723	46715	47143	46484	46085	46539	46802	46526	47038	46677	101.456
	21	46245	46439	46747	46491	46357	46634	46155	46339	46079	46918	46749	46458	101.047
	22	46207	46798	46292	46792	46852	46841	47036	45969	46462	46905	46995	46380	101.394
	23	46230	45892	46025	46560	46736	46625	46409	46732	46319	46190	46894	46726	100.998
22	0	46462	47223	46644	46856	46806	45931	46480	45944	46348	46773	46621	46682	101.244
	1	46780	46815	46418	46414	46015	46333	46771	46605	46480	46900	45556	46458	101.035
	2	46323	46589	45573	46889	46928	46300	46889	46380	46418	46999	46261	46227	101.077
	3	46803	46306	46163	46883	46280	46470	46343	46449	46269	45651	46322	46389	100.814
	4	46711	46676	46369	46406	45923	46589	46463	46262	46648	46520	46378	46254	100.972
	5	46443	46625	46102	46216	46664	46412	46172	46051	46791	46476	46758	46542	100.982
	6	46656	46632	46255	46556	46245	46826	46393	46400	46654	45795	46668	46127	100.974
	7	46254	46201	46432	46696	46061	46169	46714	47065	46354	46285	46766	46357	101.000
	8	46723	46390	47076	46989	47165	46484	46279	46720	46206	47154	46728	46891	101.626
	9	46480	47246	46757	46384	47177	47220	46950	46643	46360	46663	46849	46455	101.694
	10	46341	46542	46592	46933	47266	46907	46927	46701	46973	46705	46442	46631	101.654
	11	46901	47141	46274	46658	47602	46703	46752	46796	46701	46747	46901	46949	101.865
	12	46762	46128	46795	46372	46580	46175	47021	46480	46775	46554	46526	47182	101.363
	13	46598	46818	46019	47098	46834	47231	47472	46828	47056	46397	46900	46813	101.854
	14	47018	46764	46210	46638	46764	47149	47134	47134	46771	46320	46551	46589	101.669
	15	46690	46546	46974	46372	46434	47018	46008	46587	46508	46010	46816	46500	101.201
	16	46406	47065	46631	46869	46242	46995	46813	46709	46663	47111	46687	46550	101.614
	17	46117	47062	46591	46047	46498	46564	46608	46613	46776	46417	46221	46253	101.076
	18	46647	46618	46614	46862	47644	46574	47301	46152	46455	46482	46938	45837	101.503
	19	46339	46974	46412	46525	46085	46822	45593	46444	46973	46633	46877	46771	101.199
	20	46088	46419	46507	46579	46831	46591	47031	46558	46606	45988	46544	46532	101.167
	21	46458	46379	46825	46994	45877	45843	46577	46577	46411	46187	46715	46633	101.023
	22	46419	46430	46497	46408	46525	46947	46574	46594	46256	46731	47022	46069	101.203
	23	46912	46547	45895	46034	47149	46494	46508	45834	46844	46480	46524	46406	101.050

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
23	0	46909	46266	46334	45781	46248	46127	46535	46217	46898	46520	46383	46633	100.907
	1	46398	46717	46805	45080	46511	47009	46987	46466	46958	46725	46680	46777	101.319
	2	46446	46186	46023	45913	46648	47041	46305	46315	46535	46560	46513	47031	101.030
	3	46447	46382	46544	46401	46633	46635	46503	46647	46449	45916	46686	46854	101.135
	4	46306	47147	46511	46289	46622	46717	46609	45997	46851	47131	46443	46395	101.302
	5	46131	46962	47052	46131	46803	46524	47533	46848	46802	46460	46667	46347	101.527
	6	46765	46264	46802	46566	46461	46283	46611	46566	46381	46616	46303	46129	101.072
	7	46080	46732	46406	47043	47187	46580	46299	46482	46943	46822	46515	46897	101.477
	8	46588	46565	47408	46913	46743	47040	46450	46783	46568	46403	46164	45924	101.399
	9	46705	46217	46220	46880	46423	46666	46661	47357	46454	46137	46312	46588	101.230
	10	46212	46202	46641	46869	46902	46649	46919	46282	46124	46172	46430	46764	101.147
	11	46277	46383	45992	46492	46244	46874	46495	46367	46363	46723	46397	46583	100.971
	12	46354	47061	46469	46948	47346	46439	46718	46937	46702	46616	46766	46179	101.577
	13	46636	46837	46447	47347	47393	46397	46429	46355	46958	47088	46407	46808	101.679
	14	46910	47230	46064	46679	46915	46552	46498	46706	46914	46496	46786	46085	101.450
	15	46676	46345	46972	46741	47614	46517	46680	46625	46822	46678	46855	46724	101.706
	16	46954	46020	46083	46887	46309	46558	46845	46706	46292	46731	46578	46609	101.221
	17	46638	46525	47145	47038	46470	46545	46740	46468	46786	46428	46216	46330	101.359
	18	46886	47076	46192	46898	46418	46868	46812	46550	46215	46665	46910	46834	101.538
	19	46630	46905	45802	46810	46551	46510	46431	46453	47094	47096	46023	46612	101.283
	20	46735	46392	46860	46957	46284	46807	46453	47346	46006	46715	47539	46589	101.603
	21	46539	46752	47106	46732	46200	46751	46233	46934	46515	46780	46309	46182	101.305
	22	46918	46755	46310	46715	47056	46474	46563	46365	46292	46561	46377	46737	101.321
	23	46725	46337	46501	46901	47338	47321	46738	46792	46824	46680	46379	46121	101.599
24	0	46536	46536	46236	46191	46400	46818	46726	46475	46381	45789	46215	46718	100.938
	1	46361	46348	46976	46268	47398	46486	46733	46680	46142	46468	46746	46460	101.311
	2	46232	47066	46811	46611	47132	46830	46290	46306	46187	46421	46751	47011	101.416
	3	46168	46384	46214	46584	46361	45641	46556	46393	46322	46622	46739	46991	100.932
	4	46433	46586	46336	46569	46887	46511	46692	46437	46389	46481	46715	46116	101.145
	5	46732	46642	46370	46419	47028	46690	46449	46264	46085	47008	47169	46297	101.326
	6	46182	46787	46822	47049	46839	46591	46524	46459	46426	46540	46446	46520	101.333
	7	46707	46686	46964	46731	46860	46550	46139	46320	46554	46451	46411	46580	101.290
	8	45919	47117	46392	46746	46718	46695	47012	46665	46555	46671	46764	46790	101.488
	9	46870	46261	46677	46595	46563	46801	47077	46716	46196	47333	46176	47011	101.530
	10	46735	46810	46654	46142	46778	46858	46652	46578	46840	46506	46519	46258	101.358
	11	46708	46336	46459	46798	46877	46912	47027	46288	46751	47011	46335	46841	101.542
	12	46556	46499	46995	46351	47015	46483	46973	46276	46718	47160	46844	46434	101.535
	13	46440	46273	46158	46011	46079	46744	47332	46252	46528	46590	46940	46674	101.121
	14	46743	46208	46901	47280	46436	46273	46364	45840	46711	46627	47009	45829	101.158
	15	47312	46691	46888	45957	46530	46522	46398	47078	46714	46307	46344	46729	101.384
	16	46809	46706	46501	46792	46072	46216	46468	46399	46096	45854	46076	46402	100.826
	17	46788	46553	46387	46383	47236	46255	46540	46555	45856	47138	46696	46527	101.283
	18	45970	46683	46606	46724	47053	46533	46502	45565	46211	46729	46703	46805	101.132
	19	46631	46541	46875	46541	46227	46657	46126	46726	46514	46380	46229	46658	101.136
	20	47320	46821	46018	46620	46125	46610	46632	46761	46063	46520	46321	45945	101.073
	21	46724	47192	46585	47161	46390	46617	46276	47177	46385	46790	46502	46504	101.535
	22	46857	46767	46961	45961	45913	47019	46443	46146	46673	46184	46978	46650	101.217
	23	46476	46318	47046	46650	46929	46886	46480	47173	46350	46534	46725	46168	101.432

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		INAF/UNIRomaTre												
day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
25	0	46478	46392	46031	46492	46732	45667	45799	46529	46511	46586	47094	46488	100.893
	1	46578	46431	46741	46628	47296	46766	46128	46672	46116	46111	45668	46381	101.031
	2	46460	46533	46159	46739	46647	46403	46776	46486	46672	46200	46922	46888	101.278
	3	46598	46455	46520	46438	46587	46919	47120	46705	46148	46674	46235	46589	101.297
	4	46642	46578	46791	46840	46044	46594	46578	46927	46475	46346	46303	46554	101.239
	5	46936	46456	47270	47338	46508	46951	46698	46611	47048	47015	47215	47073	102.045
	6	46807	46848	46602	46777	46851	46841	46106	47092	46637	46822	46661	47188	101.703
	7	47219	47079	46769	47103	46331	47342	46887	46786	46782	46941	46846	46567	101.961
	8	47209	47186	46971	46192	46452	46908	46655	47224	47457	46514	46559	46183	101.754
	9	46697	46348	46530	46588	46659	46839	46971	47449	46702	46541	46840	46806	101.656
	10	46366	46252	46838	46667	46687	46571	46448	46372	46409	46788	46468	46412	101.168
	11	46657	47090	46600	46698	46615	46076	46172	46840	46323	46694	46670	46315	101.253
	12	46380	46858	46126	46199	47132	46091	46474	46884	46341	46534	46425	46980	101.195
	13	46515	46921	46954	46995	46527	46678	46193	46925	46306	46255	47040	46452	101.436
	14	46544	46952	46466	46730	46432	46866	46930	46266	46259	47029	47262	46084	101.448
	15	46158	47099	46219	46567	46915	46668	46387	46719	46606	46722	46497	47062	101.411
	16	46650	46751	46818	46203	46547	46194	46790	47153	46385	47169	47268	47202	101.685
	17	46392	47387	46434	46552	45674	46779	46561	46680	45980	46911	46547	46616	101.210
	18	46538	46795	47007	46707	47022	47064	46767	47127	47142	46639	46630	46761	101.878
	19	47028	47050	46984	47267	46441	46741	46404	46364	46450	46443	46836	46646	101.598
	20	47047	47217	47186	46644	46744	46767	46601	46484	46813	46313	46834	47312	101.835
	21	47003	47541	46794	46734	47295	46209	46345	46886	46484	46626	46055	46939	101.645
	22	46966	46608	46631	46433	46170	47062	46781	47281	46541	46906	46668	46837	101.640
	23	46189	47091	47215	46657	46722	46517	47091	46768	46716	46584	46578	46669	101.625
26	0	46160	46514	46725	47054	46715	47020	46640	46763	46866	46168	46169	45922	101.240
	1	46711	46536	46190	46669	46329	46487	46898	46908	46149	47068	46336	46919	101.335
	2	46877	46696	46733	46731	46784	46355	46881	46339	46759	47027	46662	46479	101.539
	3	45983	46661	46631	46114	46324	47086	46811	46616	46531	46390	46476	46596	101.157
	4	46746	47693	46830	46784	46220	46833	46571	46743	47537	47492	46643	46763	101.997
	5	46496	46777	47049	46806	46352	46913	46812	46871	46957	46681	46478	46646	101.632
	6	46846	46504	46733	47017	46363	46762	46987	46854	46921	46423	46793	47250	101.743
	7	46828	47273	46660	46734	46767	46360	46986	46414	46823	46712	46842	46409	101.626
	8	47285	46430	46604	46312	46610	46769	46779	47846	46545	46703	47026	46729	101.777
	9	46977	47321	46945	46586	46488	46460	46921	46798	46950	47036	46614	46554	101.779
	10	47139	46621	46870	46426	45795	46847	46948	46970	46611	45958	46323	46352	101.273
	11	46916	46634	46205	46959	46732	46288	47341	47633	46398	45798	46743	47340	101.659
	12	46605	46437	46141	46793	45916	46463	46369	46661	46686	46772	46238	46899	101.114
	13	46771	46693	46911	46798	46606	46428	46834	46408	47027	46421	46893	46837	101.594
	14	46336	46966	46542	46420	46404	46515	46071	47145	46535	46994	46663	47128	101.429
	15	46410	45992	46731	46633	46585	46746	46598	46212	46429	46941	46535	46431	101.162
	16	46527	47458	46702	46488	46968	46232	47079	46845	47226	46865	46398	47089	101.820
	17	46448	46930	46769	46562	46207	46555	46247	45863	46108	46614	46457	46395	100.965
	18	46363	46858	46588	46734	46382	46999	47055	46608	46363	47427	46931	46477	101.622
	19	46610	45901	46881	46728	47125	47028	46221	47360	46701	46719	46556	46185	101.483
	20	47306	46877	46362	46983	47320	46903	46448	46156	46868	46546	46976	46569	101.718
	21	46656	46321	46926	46912	47216	47001	46847	47497	47010	46567	46864	46643	101.926
	22	46641	46280	46461	46584	46675	46724	46446	47261	46611	46861	46968	46533	101.488
	23	46368	46651	46365	46299	46553	46524	46148	46575	47183	46298	46843	46514	101.176

INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data – January 2011											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
27	0	46391	46603	46332	46183	45912	46776	46955	46857	47272	46494	46719	46613	101.313
	1	47019	46340	46297	47116	46640	47086	46800	46395	46502	46781	46700	46880	101.581
	2	46501	46520	46379	46436	46740	46995	46303	47001	46067	46288	46275	46146	101.054
	3	46357	46702	47121	47334	46326	46598	46595	46022	46471	46777	46671	46617	101.406
	4	46244	46402	47018	46746	46298	46429	46659	46843	47178	46446	46702	46790	101.435
	5	46433	46755	47239	46523	46644	46334	46343	47079	46325	47185	46973	46443	101.530
	6	46841	46233	46129	46764	46636	46616	46245	46664	46634	46284	45857	46701	101.046
	7	46308	46223	46220	46319	45945	46108	46329	46808	46544	46468	46060	45999	100.634
	8	46975	46012	46757	46406	46870	45980	47075	47028	46282	46423	46216	46230	101.164
	9	46446	46578	46102	46625	46468	46281	47010	46019	47009	46816	46384	46386	101.140
	10	46299	46007	47006	46446	46331	46200	46763	45992	46950	46440	46348	46578	101.002
	11	46734	46551	46248	47090	46722	46764	46844	47285	46774	47004	46565	46699	101.713
	12	46409	46324	46992	47015	46862	46293	47253	46616	46274	47158	46702	46700	101.589
	13	47019	47288	46899	47212	47210	46669	46617	46741	46155	46972	46179	46639	101.769
	14	46449	46939	46631	46777	46245	46806	46978	46604	46714	46977	46776	46483	101.548
	15	47424	46371	46631	47555	46686	46096	46382	46327	47122	46782	46100	46613	101.496
	16	46658	46375	46441	46532	47008	46791	45799	46710	46555	46660	46286	46078	101.098
	17	46415	46168	46827	46171	47212	47054	46574	46625	47009	46553	46546	45895	101.307
	18	46490	46338	46848	46632	47182	46635	46897	46807	46928	46888	46662	46963	101.710
	19	46767	47171	46781	46841	46957	46840	46572	46827	46448	46418	46779	47350	101.798
	20	46784	47023	46922	47033	47047	46623	47078	47021	46841	46400	46489	46621	101.821
	21	46871	46571	46978	46545	46440	46824	46852	46494	46766	45973	46626	46708	101.416
	22	45808	46844	46611	46787	46534	46195	46995	46183	46817	46510	46816	46592	101.243
	23	46649	46749	46730	46986	46133	47301	46598	46648	46746	46602	46649	46952	101.615
28	0	46965	46847	46245	46320	46296	46886	46910	46292	47098	46807	46584	47118	101.545
	1	46854	46800	46336	46587	47368	46602	46332	46583	47149	46260	46612	46166	101.416
	2	46799	46718	47172	46802	46495	47022	46799	46581	46990	46358	46585	46478	101.624
	3	46182	46924	46581	46874	46573	46461	46039	46243	47009	46830	47245	47157	101.502
	4	46073	47223	47184	46118	46346	46506	46422	46152	46366	46469	46588	46377	101.086
	5	46548	46344	46632	46960	47192	46711	47040	46568	46718	46607	47244	46882	101.741
	6	46396	47066	47451	46476	46302	46790	46493	46881	46386	46813	46524	46486	101.492
	7	46711	46473	46799	47232	47067	47044	46559	47179	45698	46910	46191	46999	101.636
	8	47300	46470	46743	46303	46182	47574	47044	46263	45875	46264	46790	46694	101.390
	9	47053	46748	46942	46353	46010	46756	46474	46575	46043	46674	46918	46907	101.381
	10	46653	46761	47631	46933	46318	46584	46120	46512	46759	46703	46710	46246	101.467
	11	46100	46651	46644	46419	46624	46787	46672	46726	46555	46283	46903	47192	101.399
	12	47269	46734	46568	47197	46557	46645	47021	47348	46581	46227	46294	46359	101.625
	13	46803	46472	47348	47154	46811	46973	47225	47625	46366	46699	46682	46817	102.019
	14	47220	46282	46250	47162	46540	46553	46620	47414	46230	46960	46813	47166	101.699
	15	47011	46544	47058	46453	46425	46845	46634	46303	46676	46525	46725	46857	101.490
	16	46355	46446	46545	46775	46408	46658	46749	47079	46730	46139	46327	47136	101.361
	17	46833	46334	46976	46644	46442	46538	46700	46823	46846	46638	46225	46932	101.468
	18	46508	46583	46836	46617	46576	47497	47406	47194	47097	46881	46892	46988	102.037
	19	46375	46947	46568	47112	46020	46791	46876	46843	45830	46671	47147	46418	101.407
	20	46434	46625	46610	46425	46081	46402	46474	47186	46729	46279	46811	46513	101.221
	21	46905	46724	46491	47138	46497	46866	47306	46974	46686	46703	46345	46784	101.738
	22	46838	46846	46545	46162	46465	46325	46353	46461	46540	47572	46024	46177	101.173
	23	46186	46071	46235	47081	46421	46779	46628	46740	47108	46672	46708	46537	101.329

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
29	0	46902	46907	46969	46254	46886	46484	46359	46026	47549	46725	46738	46301	101.499
	1	46620	46362	46306	46338	47036	46384	46527	46410	46289	46213	46213	46271	100.931
	2	46504	46486	45854	46249	46603	47557	46686	46739	46323	46512	46749	46151	101.192
	3	46098	46716	46758	45939	45996	46746	47307	46370	45884	46294	46206	46436	100.891
	4	46373	46976	45975	47061	46310	46461	46765	46554	46049	46274	46159	46583	101.034
	5	46210	46856	46388	45898	46725	46370	46525	46164	46541	46662	46594	47019	101.109
	6	46762	46910	47113	46682	46364	46188	46443	46752	46766	47027	46502	46447	101.472
	7	47156	46611	46567	46643	46627	46372	46792	46327	47423	46313	46938	47174	101.651
	8	46656	46768	46725	46421	46727	46379	46971	46221	46742	47229	46832	46636	101.535
	9	46811	46120	46841	46807	46693	46807	47097	46995	47353	46386	46481	46356	101.615
	10	46705	47086	47186	46963	45863	46464	46579	46444	45960	46049	47196	46955	101.380
	11	46552	46698	46985	47330	46709	47108	46346	46974	46388	46387	46316	46453	101.524
	12	46517	46653	46934	47019	46799	46943	46775	46755	46696	46916	46574	46377	101.654
	13	47042	46247	46894	46740	47479	46852	46667	46595	46489	46569	46780	46490	101.633
	14	46967	46577	46743	46411	46286	45979	46995	46780	46416	46808	46826	46882	101.420
	15	47228	46274	46733	46731	46704	46071	46961	47359	46886	46674	47023	46829	101.747
	16	47011	46762	46347	46689	46065	47101	46593	46412	46621	47077	46689	47098	101.564
	17	46253	46842	46742	46867	46976	46374	45989	46843	47167	47081	46873	47022	101.666
	18	46696	47209	46630	47053	47204	47263	46548	47218	46694	46967	46202	46034	101.792
	19	46533	46969	46911	46527	46208	47636	46554	46782	46583	46725	47140	46824	101.732
	20	46843	46678	46110	46468	46592	47007	46679	46600	46882	46330	46939	46666	101.443
21	46327	46240	46567	46413	46932	47284	46246	46548	46983	46717	46747	45911	101.284	
22	47213	46617	46258	46476	46920	46902	46413	46470	46146	46393	46898	46264	101.293	
23	45925	46487	46230	46499	46335	46737	46788	46544	46355	46416	46841	46786	101.107	
30	0	46954	46662	46278	46095	46155	46686	45974	46518	46049	46996	46310	45981	100.857
	1	46696	46215	45968	46364	46401	46210	46551	47084	47111	46279	46332	46919	101.141
	2	46327	46307	46773	47133	46156	47180	46731	46378	46541	46643	46453	47173	101.443
	3	46851	46325	46627	46688	46256	46475	47297	46491	46100	46424	46966	46813	101.356
	4	46648	46928	47095	46762	46336	46358	46953	46599	46804	46547	46423	46889	101.542
	5	46457	46768	47121	47262	47008	47308	46968	46855	47230	46727	46750	46645	102.041
	6	47069	46936	46823	47154	46707	46923	46318	46643	46742	46350	47222	46270	101.690
	7	46436	46817	46424	47305	46382	46598	47048	45724	46519	46512	47146	46782	101.424
	8	47424	46820	47237	46986	47325	46848	46042	46711	46817	46700	46531	46226	101.783
	9	47010	46384	46621	46441	47078	47067	46344	46172	46268	47024	46751	46346	101.390
	10	46439	46631	47003	46647	47089	46880	46518	46893	46327	46303	47503	46858	101.678
	11	46557	46598	46660	46485	46847	46826	46504	47282	47421	46629	47122	47416	101.905
	12	46808	46334	47074	46653	47098	46385	46598	46452	46890	46920	47054	47064	101.721
	13	46344	47638	46915	47054	46185	46262	47166	46501	46686	47043	46937	46617	101.725
	14	46576	46471	46711	46445	46465	46800	46418	46448	46851	46774	46584	46428	101.293
	15	45886	46510	46741	47050	46737	47148	47275	46908	46484	46758	47155	46489	101.686
	16	46419	46142	46355	46187	46959	46718	46584	46647	46242	46323	46274	47146	101.117
	17	46502	46661	46362	46281	47314	46861	46320	45661	46166	46521	46415	46655	101.067
	18	46752	46564	46303	46832	46283	46201	46099	46767	45975	46671	46563	46787	101.081
	19	46484	46549	45994	46768	46117	46319	46201	46293	46966	46356	46629	46847	101.031
	20	46620	46333	46328	46025	46286	46605	46354	46790	46756	46693	46232	46066	100.952
	21	46506	46384	46242	46060	46739	46353	46039	45940	46534	46702	46779	46369	100.872
	22	46805	46250	46309	46072	46597	46955	45803	46516	46717	46695	46518	46620	101.092
23	46073	46367	46635	47107	46957	46186	46435	46643	46461	46703	46719	46757	101.306	

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
31	0	46416	46976	46586	46490	46878	47329	46689	46337	46840	46848	46546	46496	101.562
	1	46638	46258	45946	46948	46567	46685	46475	46540	46694	46499	46679	46680	101.228
	2	46387	46483	47235	46794	46809	46727	45924	46899	46569	46723	46519	46038	101.318
	3	47497	47019	46737	46751	45970	46438	46399	47127	46608	46673	46337	46921	101.567
	4	46774	46356	46755	46355	47050	46386	47282	45359	46712	46830	46598	46604	101.310
	5	46531	46804	47031	46673	46345	45950	46087	46941	46337	46530	46173	46135	101.034
	6	46909	46284	46637	46813	46394	46834	46848	46332	46334	46781	46887	46553	101.409
	7	46534	45856	46949	46807	46832	46724	46409	47018	46258	46283	47115	46772	101.399
	8	46477	46812	46482	46493	46616	46728	46672	46776	47042	47178	46611	46489	101.548
	9	46699	46710	45980	47139	46436	46716	46578	46542	46590	46825	46682	46566	101.383
	10	46928	46456	46479	46470	46367	47158	46523	46755	47086	46668	46469	46091	101.380
	11	46692	46769	47095	46785	47029	47042	47001	46240	46584	46929	47056	47119	101.904
	12	46855	46855	46070	46849	47061	46425	46749	46990	47052	46260	46727	47026	101.647
	13	46575	47392	46393	47061	46519	46580	46642	46882	46307	47095	46309	46643	101.552
	14	46661	47416	46672	46962	46823	46695	46556	46874	46572	46461	46628	46711	101.667
	15	46852	46376	46669	45934	46936	46237	47331	46370	46616	45802	46611	46366	101.136
	16	46717	46080	46406	46562	47031	46343	46107	45834	45743	46238	46151	45830	100.581
	17	46026	45935	46175	46535	46124	46110	46140	46279	46033	46569	46589	45781	100.446
	18	45939	46050	46053	45775	45874	45753	45740	45904	46144	46309	46104	47125	100.169
	19	45767	46393	45995	46169	45600	45841	46245	46314	45817	46227	46477	46477	100.270
	20	46256	46345	46281	46441	46944	45585	46029	46550	46024	46544	45955	46292	100.619
	21	45759	46191	46625	46290	46679	46511	46428	46024	46126	46482	46569	46469	100.783
	22	46530	47015	47043	46713	46759	46248	46746	46602	46683	46557	46433	46246	101.403
	23	46666	46727	46703	46940	47010	46811	46648	46706	47041	46765	46149	46815	101.658

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1018.43	1018.41	1018.36	1018.31	1018.30	1018.30	1018.29	1018.28	1018.28	1018.30	1018.32	1018.31	1018.32
	1	1018.32	1018.36	1018.37	1018.35	1018.33	1018.33	1018.32	1018.30	1018.28	1018.26	1018.22	1018.17	1018.30
	2	1018.15	1018.11	1018.06	1018.03	1018.04	1018.05	1018.05	1018.03	1017.99	1017.95	1017.92	1017.91	1018.02
	3	1017.85	1017.75	1017.71	1017.70	1017.70	1017.68	1017.66	1017.64	1017.64	1017.63	1017.58	1017.52	1017.67
	4	1017.49	1017.45	1017.41	1017.39	1017.36	1017.34	1017.33	1017.34	1017.34	1017.33	1017.32	1017.32	1017.36
	5	1017.33	1017.35	1017.36	1017.35	1017.34	1017.35	1017.37	1017.39	1017.41	1017.40	1017.39	1017.40	1017.37
	6	1017.39	1017.39	1017.40	1017.41	1017.40	1017.41	1017.43	1017.44	1017.44	1017.47	1017.53	1017.55	1017.44
	7	1017.56	1017.58	1017.62	1017.64	1017.64	1017.63	1017.63	1017.65	1017.67	1017.70	1017.73	1017.75	1017.65
	8	1017.78	1017.79	1017.76	1017.74	1017.76	1017.80	1017.81	1017.81	1017.82	1017.79	1017.76	1017.74	1017.78
	9	1017.76	1017.77	1017.75	1017.76	1017.75	1017.75	1017.77	1017.74	1017.71	1017.69	1017.64	1017.60	1017.72
	10	1017.57	1017.52	1017.45	1017.42	1017.40	1017.36	1017.31	1017.27	1017.23	1017.16	1017.08	1017.00	1017.31
	11	1016.91	1016.84	1016.81	1016.77	1016.70	1016.66	1016.61	1016.53	1016.47	1016.42	1016.36	1016.31	1016.61
	12	1016.29	1016.22	1016.11	1016.03	1015.98	1015.91	1015.85	1015.80	1015.75	1015.70	1015.67	1015.63	1015.91
	13	1015.59	1015.55	1015.51	1015.48	1015.46	1015.44	1015.42	1015.40	1015.39	1015.39	1015.38	1015.39	1015.45
	14	1015.37	1015.34	1015.33	1015.33	1015.34	1015.35	1015.35	1015.34	1015.33	1015.31	1015.29	1015.26	1015.33
	15	1015.22	1015.19	1015.18	1015.17	1015.15	1015.14	1015.13	1015.09	1015.04	1015.00	1014.96	1014.94	1015.10
	16	1014.90	1014.86	1014.82	1014.80	1014.78	1014.75	1014.77	1014.79	1014.77	1014.75	1014.74	1014.74	1014.79
	17	1014.71	1014.68	1014.67	1014.66	1014.64	1014.60	1014.59	1014.57	1014.55	1014.55	1014.54	1014.50	1014.60
	18	1014.46	1014.43	1014.43	1014.42	1014.41	1014.41	1014.39	1014.37	1014.34	1014.31	1014.32	1014.34	1014.38
	19	1014.32	1014.30	1014.28	1014.24	1014.21	1014.19	1014.17	1014.16	1014.14	1014.13	1014.14	1014.18	1014.20
	20	1014.19	1014.17	1014.18	1014.22	1014.22	1014.19	1014.17	1014.16	1014.18	1014.19	1014.19	1014.18	1014.19
	21	1014.18	1014.17	1014.15	1014.12	1014.11	1014.08	1014.05	1014.01	1013.96	1013.93	1013.89	1013.86	1014.04
	22	1013.85	1013.84	1013.80	1013.73	1013.69	1013.69	1013.72	1013.72	1013.66	1013.62	1013.58	1013.53	1013.70
	23	1013.47	1013.41	1013.36	1013.32	1013.29	1013.25	1013.19	1013.13	1013.07	1013.00	1012.93	1012.88	1013.19
2	0	1012.82	1012.84	1012.83	1012.78	1012.71	1012.70	1012.71	1012.71	1012.71	1012.68	1012.65	1012.63	1012.72
	1	1012.61	1012.61	1012.61	1012.62	1012.64	1012.64	1012.63	1012.59	1012.53	1012.52	1012.51	1012.51	1012.58
	2	1012.48	1012.43	1012.38	1012.31	1012.24	1012.20	1012.17	1012.12	1012.08	1012.02	1011.96	1011.92	1012.19
	3	1011.88	1011.84	1011.83	1011.84	1011.86	1011.89	1011.89	1011.86	1011.83	1011.77	1011.73	1011.72	1011.82
	4	1011.67	1011.60	1011.58	1011.57	1011.54	1011.48	1011.44	1011.43	1011.42	1011.40	1011.36	1011.34	1011.48
	5	1011.35	1011.36	1011.34	1011.34	1011.33	1011.35	1011.37	1011.36	1011.35	1011.35	1011.34	1011.35	1011.35
	6	1011.36	1011.37	1011.38	1011.40	1011.39	1011.37	1011.40	1011.41	1011.42	1011.45	1011.49	1011.50	1011.41
	7	1011.46	1011.44	1011.44	1011.45	1011.47	1011.49	1011.50	1011.49	1011.48	1011.50	1011.52	1011.54	1011.48
	8	1011.56	1011.58	1011.56	1011.57	1011.60	1011.60	1011.61	1011.65	1011.68	1011.70	1011.74	1011.78	1011.63
	9	1011.80	1011.83	1011.86	1011.91	1011.92	1011.92	1011.91	1011.88	1011.85	1011.84	1011.84	1011.84	1011.86
	10	1011.82	1011.78	1011.74	1011.71	1011.65	1011.60	1011.56	1011.51	1011.48	1011.45	1011.41	1011.37	1011.59
	11	1011.32	1011.23	1011.12	1011.03	1010.96	1010.90	1010.80	1010.71	1010.64	1010.58	1010.53	1010.50	1010.86
	12	1010.48	1010.43	1010.37	1010.33	1010.29	1010.27	1010.26	1010.23	1010.19	1010.17	1010.17	1010.15	1010.28
	13	1010.14	1010.15	1010.15	1010.15	1010.17	1010.18	1010.17	1010.17	1010.17	1010.16	1010.16	1010.16	1010.16
	14	1010.15	1010.14	1010.15	1010.15	1010.15	1010.14	1010.13	1010.13	1010.17	1010.20	1010.20	1010.18	1010.15
	15	1010.18	1010.18	1010.18	1010.19	1010.22	1010.23	1010.26	1010.30	1010.32	1010.34	1010.37	1010.38	1010.26
	16	1010.39	1010.40	1010.41	1010.41	1010.42	1010.44	1010.44	1010.43	1010.43	1010.44	1010.47	1010.51	1010.43
	17	1010.56	1010.61	1010.65	1010.68	1010.72	1010.76	1010.78	1010.79	1010.80	1010.81	1010.83	1010.85	1010.74
	18	1010.86	1010.87	1010.85	1010.84	1010.85	1010.85	1010.81	1010.77	1010.79	1010.84	1010.86	1010.83	1010.83
	19	1010.82	1010.83	1010.85	1010.86	1010.87	1010.89	1010.91	1010.94	1010.98	1010.99	1011.01	1011.06	1010.92
	20	1011.08	1011.08	1011.08	1011.08	1011.10	1011.13	1011.14	1011.12	1011.13	1011.14	1011.15	1011.17	1011.11
	21	1011.20	1011.20	1011.19	1011.21	1011.25	1011.29	1011.33	1011.34	1011.34	1011.36	1011.38	1011.42	1011.29
	22	1011.48	1011.54	1011.57	1011.56	1011.52	1011.47	1011.46	1011.51	1011.52	1011.51	1011.49	1011.47	1011.51
	23	1011.45	1011.43	1011.42	1011.40	1011.35	1011.32	1011.29	1011.25	1011.22	1011.19	1011.17	1011.19	1011.30

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1011.23	1011.24	1011.25	1011.24	1011.22	1011.18	1011.17	1011.19	1011.21	1011.23	1011.25	1011.27	1011.22
	1	1011.29	1011.30	1011.30	1011.32	1011.35	1011.38	1011.41	1011.39	1011.38	1011.38	1011.36	1011.34	1011.35
	2	1011.31	1011.28	1011.25	1011.21	1011.18	1011.17	1011.15	1011.10	1011.07	1011.08	1011.11	1011.13	1011.17
	3	1011.19	1011.28	1011.33	1011.34	1011.30	1011.26	1011.24	1011.26	1011.27	1011.23	1011.21	1011.19	1011.26
	4	1011.22	1011.29	1011.37	1011.41	1011.44	1011.48	1011.52	1011.53	1011.55	1011.62	1011.71	1011.78	1011.49
	5	1011.80	1011.80	1011.82	1011.84	1011.84	1011.87	1011.89	1011.88	1011.88	1011.90	1011.96	1012.01	1011.87
	6	1012.03	1012.04	1012.06	1012.07	1012.06	1012.08	1012.13	1012.18	1012.21	1012.21	1012.21	1012.23	1012.12
	7	1012.27	1012.31	1012.34	1012.40	1012.47	1012.51	1012.54	1012.56	1012.59	1012.64	1012.67	1012.70	1012.50
	8	1012.72	1012.74	1012.81	1012.85	1012.85	1012.89	1012.94	1012.97	1013.01	1013.05	1013.07	1013.10	1012.92
	9	1013.15	1013.22	1013.27	1013.30	1013.32	1013.35	1013.38	1013.40	1013.40	1013.38	1013.36	1013.37	1013.32
	10	1013.36	1013.34	1013.34	1013.33	1013.28	1013.22	1013.23	1013.25	1013.24	1013.22	1013.21	1013.22	1013.27
	11	1013.21	1013.16	1013.12	1013.08	1013.04	1013.03	1013.02	1012.98	1012.93	1012.90	1012.88	1012.84	1013.01
	12	1012.81	1012.79	1012.77	1012.74	1012.71	1012.72	1012.73	1012.73	1012.71	1012.69	1012.70	1012.74	1012.73
	13	1012.78	1012.80	1012.82	1012.85	1012.87	1012.90	1012.94	1012.95	1012.94	1012.94	1012.96	1012.99	1012.89
	14	1013.01	1013.02	1013.01	1013.03	1013.09	1013.15	1013.19	1013.21	1013.24	1013.30	1013.34	1013.37	1013.16
	15	1013.40	1013.41	1013.42	1013.43	1013.45	1013.47	1013.50	1013.53	1013.57	1013.61	1013.63	1013.63	1013.50
	16	1013.66	1013.71	1013.76	1013.84	1013.91	1013.94	1013.98	1014.04	1014.12	1014.20	1014.23	1014.26	1013.97
	17	1014.34	1014.41	1014.48	1014.56	1014.65	1014.71	1014.76	1014.81	1014.85	1014.90	1014.95	1015.00	1014.70
	18	1015.04	1015.09	1015.10	1015.11	1015.18	1015.23	1015.25	1015.27	1015.31	1015.33	1015.32	1015.33	1015.21
	19	1015.38	1015.44	1015.51	1015.57	1015.59	1015.61	1015.65	1015.70	1015.73	1015.75	1015.80	1015.86	1015.63
	20	1015.89	1015.88	1015.91	1015.97	1016.03	1016.13	1016.22	1016.27	1016.32	1016.34	1016.36	1016.37	1016.14
	21	1016.39	1016.44	1016.46	1016.49	1016.54	1016.58	1016.60	1016.65	1016.73	1016.79	1016.84	1016.87	1016.61
	22	1016.87	1016.86	1016.89	1016.91	1016.92	1016.95	1017.00	1017.03	1017.03	1017.02	1017.00	1017.00	1016.95
	23	1017.04	1017.07	1017.08	1017.07	1017.01	1016.95	1016.94	1016.92	1016.86	1016.83	1016.85	1016.88	1016.96
4	0	1016.92	1016.91	1016.89	1016.91	1016.95	1016.93	1016.88	1016.87	1016.90	1016.94	1016.99	1017.02	1016.92
	1	1017.01	1017.00	1016.99	1016.99	1017.00	1016.96	1016.94	1016.94	1016.94	1016.98	1016.94	1016.91	1016.96
	2	1016.91	1016.87	1016.83	1016.80	1016.80	1016.78	1016.73	1016.70	1016.70	1016.69	1016.67	1016.66	1016.76
	3	1016.70	1016.75	1016.76	1016.76	1016.74	1016.72	1016.74	1016.72	1016.70	1016.70	1016.68	1016.66	1016.72
	4	1016.68	1016.69	1016.67	1016.67	1016.67	1016.67	1016.73	1016.79	1016.78	1016.77	1016.76	1016.76	1016.72
	5	1016.76	1016.76	1016.76	1016.77	1016.80	1016.82	1016.82	1016.84	1016.85	1016.84	1016.87	1016.92	1016.81
	6	1016.86	1016.78	1016.79	1016.78	1016.72	1016.72	1016.75	1016.74	1016.74	1016.77	1016.81	1016.86	1016.78
	7	1016.93	1017.02	1017.14	1017.22	1017.23	1017.19	1017.14	1017.11	1017.13	1017.15	1017.22	1017.29	1017.15
	8	1017.29	1017.25	1017.26	1017.29	1017.29	1017.33	1017.34	1017.33	1017.34	1017.37	1017.44	1017.53	1017.34
	9	1017.55	1017.58	1017.62	1017.60	1017.58	1017.59	1017.63	1017.68	1017.66	1017.62	1017.59	1017.57	1017.60
	10	1017.55	1017.55	1017.56	1017.50	1017.42	1017.39	1017.37	1017.29	1017.20	1017.13	1017.05	1016.97	1017.33
	11	1016.90	1016.91	1016.90	1016.78	1016.69	1016.68	1016.67	1016.64	1016.61	1016.55	1016.58	1016.61	1016.71
	12	1016.59	1016.61	1016.57	1016.50	1016.50	1016.58	1016.63	1016.61	1016.56	1016.49	1016.45	1016.42	1016.54
	13	1016.39	1016.42	1016.43	1016.42	1016.44	1016.43	1016.45	1016.50	1016.51	1016.51	1016.51	1016.53	1016.46
	14	1016.54	1016.47	1016.30	1016.16	1016.13	1016.20	1016.24	1016.27	1016.29	1016.33	1016.47	1016.53	1016.33
	15	1016.51	1016.54	1016.57	1016.56	1016.52	1016.48	1016.46	1016.43	1016.38	1016.37	1016.39	1016.41	1016.46
	16	1016.38	1016.39	1016.43	1016.37	1016.31	1016.35	1016.49	1016.57	1016.64	1016.68	1016.70	1016.78	1016.51
	17	1016.85	1016.90	1016.93	1016.88	1016.80	1016.75	1016.83	1016.92	1016.94	1016.98	1017.06	1017.14	1016.91
	18	1017.17	1017.17	1017.17	1017.17	1017.15	1017.14	1017.20	1017.24	1017.24	1017.24	1017.23	1017.21	1017.19
	19	1017.21	1017.23	1017.27	1017.31	1017.34	1017.33	1017.29	1017.26	1017.31	1017.35	1017.33	1017.31	1017.29
	20	1017.29	1017.26	1017.24	1017.24	1017.30	1017.33	1017.33	1017.34	1017.33	1017.31	1017.32	1017.33	1017.30
	21	1017.34	1017.37	1017.36	1017.35	1017.38	1017.43	1017.46	1017.49	1017.51	1017.57	1017.61	1017.60	1017.45
	22	1017.60	1017.61	1017.63	1017.62	1017.60	1017.59	1017.57	1017.54	1017.49	1017.43	1017.36	1017.31	1017.53
	23	1017.33	1017.35	1017.32	1017.30	1017.28	1017.26	1017.27	1017.24	1017.19	1017.16	1017.12	1017.10	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
5	0	1017.08	1017.07	1017.03	1017.00	1017.01	1017.01	1016.98	1016.94	1016.91	1016.88	1016.87	1016.88	1016.96
	1	1016.90	1016.93	1016.97	1016.98	1016.96	1016.94	1016.92	1016.87	1016.84	1016.81	1016.78	1016.77	1016.89
	2	1016.76	1016.75	1016.71	1016.67	1016.64	1016.59	1016.51	1016.43	1016.36	1016.31	1016.28	1016.25	1016.52
	3	1016.22	1016.19	1016.19	1016.19	1016.21	1016.26	1016.28	1016.26	1016.20	1016.11	1016.05	1016.07	1016.18
	4	1016.09	1016.08	1016.12	1016.16	1016.15	1016.13	1016.15	1016.17	1016.13	1016.12	1016.21	1016.28	1016.15
	5	1016.29	1016.27	1016.34	1016.42	1016.39	1016.32	1016.26	1016.24	1016.26	1016.25	1016.25	1016.25	1016.29
	6	1016.25	1016.27	1016.31	1016.33	1016.33	1016.36	1016.38	1016.40	1016.40	1016.39	1016.39	1016.43	1016.35
	7	1016.47	1016.55	1016.62	1016.63	1016.63	1016.70	1016.77	1016.81	1016.85	1016.86	1016.93	1017.02	1016.73
	8	1017.09	1017.17	1017.21	1017.21	1017.20	1017.19	1017.15	1017.14	1017.18	1017.21	1017.25	1017.31	1017.19
	9	1017.36	1017.41	1017.44	1017.45	1017.49	1017.50	1017.50	1017.51	1017.53	1017.55	1017.58	1017.57	1017.49
	10	1017.51	1017.48	1017.48	1017.46	1017.42	1017.36	1017.34	1017.37	1017.40	1017.36	1017.28	1017.22	1017.39
	11	1017.16	1017.07	1016.99	1016.94	1016.89	1016.83	1016.75	1016.71	1016.67	1016.63	1016.59	1016.54	1016.81
	12	1016.47	1016.36	1016.24	1016.17	1016.12	1016.05	1015.96	1015.92	1015.88	1015.83	1015.80	1015.75	1016.04
	13	1015.69	1015.67	1015.68	1015.68	1015.68	1015.70	1015.72	1015.72	1015.73	1015.76	1015.78	1015.79	1015.71
	14	1015.81	1015.85	1015.90	1015.93	1015.97	1015.97	1015.99	1016.03	1016.07	1016.12	1016.13	1016.14	1015.99
	15	1016.17	1016.22	1016.25	1016.30	1016.33	1016.34	1016.38	1016.43	1016.48	1016.50	1016.49	1016.48	1016.36
	16	1016.52	1016.57	1016.59	1016.59	1016.61	1016.67	1016.74	1016.83	1016.94	1017.00	1016.97	1016.94	1016.75
	17	1016.98	1017.04	1017.11	1017.14	1017.18	1017.28	1017.36	1017.38	1017.41	1017.45	1017.51	1017.62	1017.29
	18	1017.73	1017.73	1017.64	1017.63	1017.66	1017.68	1017.73	1017.78	1017.81	1017.83	1017.87	1017.95	1017.75
	19	1017.98	1017.92	1017.86	1017.84	1017.84	1017.86	1017.88	1017.88	1017.88	1017.90	1017.91	1017.89	1017.89
	20	1017.89	1017.93	1017.97	1018.00	1017.99	1017.97	1017.99	1018.01	1017.99	1017.99	1018.02	1018.07	1017.98
	21	1018.12	1018.16	1018.19	1018.21	1018.25	1018.28	1018.28	1018.31	1018.39	1018.41	1018.40	1018.45	1018.28
	22	1018.51	1018.51	1018.50	1018.52	1018.54	1018.56	1018.58	1018.60	1018.62	1018.63	1018.65	1018.63	1018.57
	23	1018.59	1018.61	1018.64	1018.66	1018.66	1018.67	1018.72	1018.71	1018.65	1018.60	1018.56	1018.53	1018.63
6	0	1018.54	1018.54	1018.52	1018.49	1018.48	1018.49	1018.47	1018.45	1018.43	1018.45	1018.46	1018.48	1018.48
	1	1018.53	1018.58	1018.63	1018.66	1018.65	1018.62	1018.61	1018.60	1018.59	1018.56	1018.55	1018.56	1018.59
	2	1018.54	1018.54	1018.56	1018.57	1018.53	1018.49	1018.46	1018.48	1018.50	1018.50	1018.51	1018.48	1018.51
	3	1018.43	1018.38	1018.35	1018.35	1018.38	1018.37	1018.34	1018.34	1018.33	1018.33	1018.33	1018.29	1018.35
	4	1018.24	1018.22	1018.23	1018.21	1018.18	1018.17	1018.20	1018.21	1018.22	1018.25	1018.26	1018.28	1018.22
	5	1018.28	1018.25	1018.28	1018.35	1018.39	1018.43	1018.49	1018.52	1018.52	1018.56	1018.63	1018.70	1018.45
	6	1018.77	1018.81	1018.86	1018.92	1018.95	1018.97	1019.00	1019.07	1019.14	1019.18	1019.25	1019.31	1019.02
	7	1019.37	1019.44	1019.52	1019.58	1019.60	1019.67	1019.75	1019.78	1019.80	1019.83	1019.89	1019.95	1019.68
	8	1019.99	1020.01	1020.01	1019.99	1019.97	1020.01	1020.08	1020.14	1020.18	1020.24	1020.29	1020.30	1020.10
	9	1020.29	1020.33	1020.39	1020.41	1020.38	1020.36	1020.38	1020.45	1020.46	1020.42	1020.38	1020.33	1020.38
	10	1020.28	1020.28	1020.25	1020.16	1020.12	1020.07	1020.05	1020.01	1019.97	1019.96	1019.98	1020.02	1020.09
	11	1019.98	1019.94	1019.94	1019.93	1019.90	1019.83	1019.73	1019.63	1019.53	1019.47	1019.44	1019.43	1019.73
	12	1019.45	1019.48	1019.46	1019.43	1019.45	1019.51	1019.54	1019.50	1019.43	1019.40	1019.43	1019.42	1019.46
	13	1019.37	1019.39	1019.43	1019.43	1019.44	1019.49	1019.56	1019.57	1019.60	1019.65	1019.68	1019.72	1019.52
	14	1019.75	1019.77	1019.82	1019.95	1020.08	1020.15	1020.22	1020.28	1020.29	1020.32	1020.36	1020.36	1020.11
	15	1020.36	1020.36	1020.34	1020.31	1020.31	1020.32	1020.34	1020.40	1020.47	1020.51	1020.53	1020.55	1020.40
	16	1020.57	1020.53	1020.48	1020.45	1020.38	1020.35	1020.37	1020.42	1020.47	1020.53	1020.52	1020.46	1020.46
	17	1020.43	1020.37	1020.38	1020.48	1020.53	1020.53	1020.51	1020.49	1020.45	1020.42	1020.44	1020.51	1020.46
	18	1020.61	1020.72	1020.79	1020.86	1020.97	1021.04	1021.06	1021.04	1021.06	1021.17	1021.21	1021.23	1020.98
	19	1021.24	1021.20	1021.15	1021.20	1021.31	1021.36	1021.36	1021.30	1021.26	1021.26	1021.25	1021.27	1021.26
	20	1021.27	1021.30	1021.38	1021.42	1021.42	1021.43	1021.51	1021.64	1021.65	1021.62	1021.65	1021.72	1021.50
	21	1021.74	1021.71	1021.73	1021.68	1021.59	1021.62	1021.67	1021.71	1021.74	1021.69	1021.60	1021.53	1021.66
	22	1021.52	1021.58	1021.63	1021.70	1021.78	1021.86	1021.98	1022.08	1022.15	1022.19	1022.18	1022.13	1021.90
	23	1022.09	1022.09	1022.08	1022.01	1021.94	1021.96	1022.00	1022.02	1022.06	1022.11	1022.13	1022.16	1022.05

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
7	0	1022.13	1022.11	1022.09	1022.10	1022.09	1022.08	1022.13	1022.19	1022.21	1022.25	1022.33	1022.46	1022.18
	1	1022.56	1022.57	1022.57	1022.58	1022.58	1022.60	1022.64	1022.66	1022.67	1022.67	1022.64	1022.62	1022.61
	2	1022.62	1022.60	1022.59	1022.61	1022.60	1022.60	1022.62	1022.64	1022.62	1022.57	1022.53	1022.51	1022.59
	3	1022.53	1022.54	1022.52	1022.52	1022.53	1022.53	1022.56	1022.59	1022.62	1022.65	1022.67	1022.67	1022.57
	4	1022.65	1022.65	1022.63	1022.64	1022.65	1022.64	1022.62	1022.59	1022.60	1022.63	1022.65	1022.65	1022.63
	5	1022.62	1022.60	1022.59	1022.61	1022.66	1022.71	1022.77	1022.81	1022.86	1022.92	1022.99	1023.05	1022.76
	6	1023.06	1023.07	1023.10	1023.16	1023.23	1023.31	1023.38	1023.40	1023.43	1023.48	1023.52	1023.55	1023.31
	7	1023.58	1023.64	1023.71	1023.78	1023.85	1023.89	1023.88	1023.88	1023.92	1023.96	1023.99	1024.02	1023.84
	8	1024.04	1024.07	1024.12	1024.17	1024.22	1024.23	1024.24	1024.28	1024.33	1024.34	1024.33	1024.36	1024.22
	9	1024.38	1024.40	1024.42	1024.44	1024.48	1024.52	1024.55	1024.57	1024.55	1024.51	1024.51	1024.52	1024.48
	10	1024.51	1024.49	1024.45	1024.42	1024.40	1024.40	1024.39	1024.35	1024.31	1024.29	1024.30	1024.31	1024.38
	11	1024.26	1024.24	1024.28	1024.28	1024.21	1024.14	1024.12	1024.10	1024.07	1024.06	1024.06	1024.03	1024.15
	12	1023.99	1023.97	1023.91	1023.87	1023.84	1023.83	1023.83	1023.79	1023.79	1023.81	1023.79	1023.75	1023.85
	13	1023.74	1023.77	1023.78	1023.77	1023.84	1023.92	1023.92	1023.91	1023.93	1023.94	1023.96	1024.03	1023.87
	14	1024.07	1024.07	1024.06	1024.04	1024.00	1023.96	1023.95	1023.99	1023.99	1024.01	1024.06	1024.07	1024.02
	15	1024.06	1024.05	1024.04	1024.03	1024.02	1024.03	1024.10	1024.15	1024.15	1024.16	1024.17	1024.19	1024.09
	16	1024.20	1024.17	1024.16	1024.22	1024.30	1024.35	1024.37	1024.40	1024.44	1024.44	1024.44	1024.42	1024.32
	17	1024.40	1024.41	1024.43	1024.44	1024.45	1024.45	1024.45	1024.46	1024.44	1024.44	1024.49	1024.49	1024.44
	18	1024.47	1024.48	1024.49	1024.49	1024.52	1024.56	1024.59	1024.63	1024.63	1024.63	1024.59	1024.55	1024.55
	19	1024.54	1024.52	1024.50	1024.49	1024.51	1024.52	1024.51	1024.47	1024.46	1024.46	1024.40	1024.37	1024.48
	20	1024.37	1024.39	1024.39	1024.36	1024.35	1024.37	1024.37	1024.35	1024.31	1024.26	1024.26	1024.31	1024.34
	21	1024.32	1024.32	1024.35	1024.40	1024.46	1024.48	1024.49	1024.46	1024.45	1024.51	1024.55	1024.58	1024.45
	22	1024.54	1024.49	1024.51	1024.54	1024.52	1024.45	1024.42	1024.38	1024.36	1024.35	1024.30	1024.29	1024.43
	23	1024.32	1024.37	1024.40	1024.35	1024.30	1024.30	1024.29	1024.25	1024.21	1024.19	1024.16	1024.07	1024.27
8	0	1023.90	1023.90	1023.90	1023.88	1023.83	1023.80	1023.80	1023.78	1023.75	1023.73	1023.72	1023.74	1023.81
	1	1023.76	1023.74	1023.68	1023.65	1023.65	1023.61	1023.60	1023.62	1023.62	1023.63	1023.65	1023.60	1023.65
	2	1023.52	1023.45	1023.39	1023.33	1023.27	1023.25	1023.22	1023.10	1023.02	1022.99	1022.96	1022.90	1023.20
	3	1022.84	1022.84	1022.88	1022.95	1022.98	1022.94	1022.95	1022.97	1022.94	1022.91	1022.90	1022.90	1022.91
	4	1022.88	1022.85	1022.85	1022.87	1022.90	1022.89	1022.83	1022.83	1022.87	1022.90	1022.91	1022.84	1022.87
	5	1022.73	1022.69	1022.77	1022.88	1022.89	1022.82	1022.74	1022.68	1022.63	1022.64	1022.67	1022.72	1022.74
	6	1022.74	1022.72	1022.77	1022.84	1022.91	1022.95	1022.91	1022.88	1022.89	1022.93	1022.99	1023.04	1022.88
	7	1023.01	1022.94	1022.91	1022.87	1022.86	1022.93	1022.97	1022.98	1023.00	1023.05	1023.13	1023.15	1022.98
	8	1023.12	1023.10	1023.10	1023.11	1023.13	1023.14	1023.13	1023.15	1023.18	1023.21	1023.25	1023.32	1023.16
	9	1023.41	1023.45	1023.43	1023.36	1023.27	1023.25	1023.16	1022.98	1022.83	1022.79	1022.83	1022.83	1023.13
	10	1022.80	1022.79	1022.84	1022.87	1022.85	1022.81	1022.76	1022.74	1022.72	1022.65	1022.53	1022.44	1022.73
	11	1022.36	1022.27	1022.21	1022.23	1022.14	1022.01	1022.02	1022.05	1022.01	1021.92	1021.87	1021.86	1022.08
	12	1021.91	1021.92	1021.86	1021.77	1021.66	1021.61	1021.57	1021.47	1021.35	1021.30	1021.38	1021.51	1021.61
	13	1021.62	1021.72	1021.76	1021.79	1021.79	1021.76	1021.67	1021.57	1021.54	1021.57	1021.58	1021.63	1021.66
	14	1021.68	1021.66	1021.63	1021.61	1021.62	1021.60	1021.58	1021.57	1021.58	1021.65	1021.71	1021.76	1021.64
	15	1021.81	1021.85	1021.90	1021.95	1021.97	1021.97	1021.95	1021.94	1021.94	1021.92	1021.89	1021.85	1021.91
	16	1021.80	1021.75	1021.63	1021.49	1021.43	1021.40	1021.37	1021.38	1021.39	1021.40	1021.43	1021.44	1021.49
	17	1021.51	1021.62	1021.71	1021.76	1021.78	1021.78	1021.72	1021.67	1021.64	1021.61	1021.58	1021.57	1021.66
	18	1021.59	1021.61	1021.61	1021.65	1021.69	1021.67	1021.61	1021.59	1021.62	1021.66	1021.67	1021.64	1021.63
	19	1021.63	1021.67	1021.70	1021.71	1021.70	1021.70	1021.71	1021.74	1021.76	1021.81	1021.86	1021.88	1021.74
	20	1021.93	1022.02	1022.09	1022.09	1022.06	1022.04	1022.05	1022.07	1022.07	1022.02	1021.97	1021.97	1022.03
	21	1021.96	1021.91	1021.83	1021.80	1021.82	1021.84	1021.87	1021.93	1021.99	1022.03	1022.07	1022.10	1021.93
	22	1022.11	1022.07	1022.04	1022.04	1022.03	1022.00	1021.98	1021.95	1021.92	1021.86	1021.81	1021.78	1021.96
	23	1021.76	1021.73	1021.67	1021.66	1021.70	1021.72	1021.72	1021.72	1021.72	1021.72	1021.73	1021.75	1021.71

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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	1021.89	1021.87	1021.86	1021.86	1021.88	1021.91	1021.96	1021.98	1021.94	1021.92	1021.94	1021.96	1021.91
	1	1022.01	1022.07	1022.09	1022.07	1022.06	1022.04	1022.05	1022.09	1022.14	1022.12	1022.04	1021.98	1022.06
	2	1021.99	1022.04	1022.08	1022.10	1022.06	1022.03	1022.00	1021.97	1021.96	1021.97	1021.97	1021.92	1022.01
	3	1021.86	1021.82	1021.77	1021.69	1021.61	1021.59	1021.61	1021.63	1021.55	1021.45	1021.41	1021.40	1021.62
	4	1021.41	1021.45	1021.50	1021.52	1021.54	1021.54	1021.54	1021.57	1021.61	1021.65	1021.73	1021.77	1021.57
	5	1021.77	1021.78	1021.84	1021.88	1021.84	1021.78	1021.75	1021.77	1021.78	1021.79	1021.86	1021.93	1021.81
	6	1021.97	1021.99	1022.02	1022.06	1022.08	1022.13	1022.21	1022.24	1022.19	1022.15	1022.21	1022.27	1022.13
	7	1022.30	1022.33	1022.38	1022.47	1022.54	1022.57	1022.56	1022.53	1022.49	1022.45	1022.48	1022.52	1022.47
	8	1022.54	1022.58	1022.59	1022.59	1022.59	1022.57	1022.54	1022.53	1022.53	1022.52	1022.49	1022.50	1022.55
	9	1022.53	1022.56	1022.59	1022.58	1022.52	1022.51	1022.54	1022.55	1022.54	1022.51	1022.45	1022.42	1022.53
	10	1022.43	1022.42	1022.38	1022.31	1022.25	1022.24	1022.22	1022.15	1022.07	1021.98	1021.91	1021.85	1022.18
	11	1021.79	1021.75	1021.70	1021.64	1021.55	1021.45	1021.35	1021.29	1021.25	1021.19	1021.11	1021.05	1021.43
	12	1020.98	1020.90	1020.84	1020.79	1020.73	1020.68	1020.62	1020.57	1020.54	1020.49	1020.46	1020.45	1020.67
	13	1020.46	1020.49	1020.50	1020.51	1020.51	1020.52	1020.56	1020.58	1020.56	1020.56	1020.55	1020.54	1020.53
	14	1020.51	1020.47	1020.45	1020.46	1020.48	1020.48	1020.46	1020.41	1020.36	1020.33	1020.27	1020.23	1020.41
	15	1020.20	1020.16	1020.15	1020.18	1020.19	1020.18	1020.18	1020.16	1020.16	1020.19	1020.22	1020.21	1020.18
	16	1020.21	1020.18	1020.14	1020.14	1020.18	1020.20	1020.20	1020.23	1020.24	1020.25	1020.32	1020.40	1020.22
	17	1020.47	1020.50	1020.51	1020.53	1020.58	1020.63	1020.67	1020.70	1020.73	1020.74	1020.75	1020.75	1020.63
	18	1020.74	1020.73	1020.70	1020.70	1020.75	1020.78	1020.71	1020.61	1020.58	1020.57	1020.53	1020.48	1020.65
	19	1020.47	1020.48	1020.50	1020.51	1020.50	1020.48	1020.47	1020.48	1020.47	1020.44	1020.39	1020.30	1020.46
	20	1020.25	1020.23	1020.17	1020.08	1020.04	1020.04	1020.02	1019.95	1019.93	1019.97	1019.97	1019.93	1020.05
	21	1019.92	1019.94	1019.99	1020.03	1020.03	1020.01	1020.00	1019.99	1020.00	1020.00	1019.96	1019.94	1019.98
	22	1019.93	1019.89	1019.85	1019.80	1019.76	1019.74	1019.71	1019.70	1019.70	1019.68	1019.66	1019.62	1019.75
	23	1019.57	1019.54	1019.47	1019.39	1019.35	1019.32	1019.27	1019.20	1019.18	1019.21	1019.24	1019.23	1019.33
10	0	1019.15	1019.13	1019.06	1019.02	1019.02	1019.01	1018.98	1018.92	1018.90	1018.94	1018.96	1018.94	1018.99
	1	1018.90	1018.91	1018.96	1019.00	1019.01	1019.01	1019.01	1019.02	1019.07	1019.09	1019.08	1019.05	1019.01
	2	1019.02	1018.96	1018.89	1018.83	1018.79	1018.77	1018.77	1018.78	1018.77	1018.75	1018.69	1018.63	1018.80
	3	1018.60	1018.59	1018.54	1018.49	1018.44	1018.35	1018.31	1018.32	1018.34	1018.30	1018.26	1018.27	1018.40
	4	1018.24	1018.16	1018.13	1018.11	1018.06	1018.00	1017.94	1017.88	1017.84	1017.87	1017.89	1017.87	1018.00
	5	1017.83	1017.82	1017.83	1017.79	1017.79	1017.83	1017.83	1017.81	1017.83	1017.85	1017.88	1017.93	1017.83
	6	1017.97	1017.98	1017.98	1017.98	1017.95	1017.94	1017.92	1017.89	1017.89	1017.93	1017.94	1017.95	1017.94
	7	1017.97	1017.96	1017.94	1017.95	1017.94	1017.91	1017.90	1017.92	1017.90	1017.86	1017.85	1017.81	1017.91
	8	1017.77	1017.74	1017.69	1017.66	1017.64	1017.61	1017.56	1017.49	1017.46	1017.43	1017.41	1017.44	1017.57
	9	1017.48	1017.53	1017.57	1017.60	1017.62	1017.63	1017.65	1017.63	1017.59	1017.53	1017.44	1017.37	1017.55
	10	1017.31	1017.25	1017.19	1017.11	1017.01	1016.90	1016.88	1016.90	1016.88	1016.81	1016.77	1016.75	1016.98
	11	1016.72	1016.68	1016.64	1016.60	1016.54	1016.47	1016.42	1016.39	1016.38	1016.40	1016.38	1016.30	1016.49
	12	1016.21	1016.20	1016.25	1016.28	1016.27	1016.22	1016.17	1016.14	1016.14	1016.13	1016.14	1016.18	1016.19
	13	1016.20	1016.19	1016.13	1016.02	1015.97	1016.01	1016.01	1015.94	1015.92	1015.98	1016.02	1016.00	1016.03
	14	1016.01	1016.02	1016.01	1015.98	1015.92	1015.91	1015.94	1015.90	1015.84	1015.83	1015.93	1016.05	1015.94
	15	1016.08	1016.09	1016.10	1016.06	1016.02	1016.01	1015.97	1015.96	1015.97	1015.95	1015.91	1015.87	1016.00
	16	1015.85	1015.83	1015.86	1015.90	1015.94	1015.97	1015.99	1015.97	1015.96	1016.01	1016.06	1016.10	1015.95
	17	1016.13	1016.14	1016.15	1016.17	1016.23	1016.28	1016.28	1016.29	1016.31	1016.33	1016.37	1016.43	1016.26
	18	1016.50	1016.55	1016.55	1016.53	1016.52	1016.48	1016.44	1016.43	1016.42	1016.40	1016.38	1016.37	1016.46
	19	1016.38	1016.38	1016.37	1016.41	1016.47	1016.47	1016.48	1016.49	1016.51	1016.53	1016.54	1016.56	1016.46
	20	1016.57	1016.57	1016.56	1016.57	1016.62	1016.66	1016.69	1016.72	1016.71	1016.71	1016.73	1016.76	1016.65
	21	1016.76	1016.76	1016.76	1016.78	1016.80	1016.79	1016.77	1016.73	1016.69	1016.66	1016.63	1016.63	1016.73
	22	1016.62	1016.54	1016.48	1016.46	1016.41	1016.38	1016.40	1016.43	1016.39	1016.32	1016.30	1016.28	1016.41
	23	1016.25	1016.21	1016.19	1016.17	1016.10	1016.07	1016.08	1016.07	1016.10	1016.11	1016.07	1016.02	1016.12

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1015.89	1015.87	1015.80	1015.73	1015.68	1015.64	1015.64	1015.63	1015.59	1015.60	1015.66	1015.72	1015.69
	1	1015.76	1015.80	1015.85	1015.89	1015.89	1015.86	1015.84	1015.82	1015.79	1015.77	1015.74	1015.73	1015.81
	2	1015.71	1015.67	1015.64	1015.61	1015.56	1015.50	1015.46	1015.43	1015.42	1015.40	1015.36	1015.32	1015.50
	3	1015.30	1015.30	1015.27	1015.23	1015.20	1015.15	1015.10	1015.06	1015.04	1015.04	1015.05	1015.01	1015.14
	4	1014.94	1014.89	1014.82	1014.78	1014.75	1014.73	1014.70	1014.68	1014.65	1014.63	1014.62	1014.60	1014.73
	5	1014.55	1014.52	1014.52	1014.53	1014.54	1014.58	1014.58	1014.56	1014.56	1014.57	1014.56	1014.50	1014.55
	6	1014.43	1014.39	1014.34	1014.32	1014.40	1014.52	1014.60	1014.67	1014.72	1014.73	1014.74	1014.74	1014.55
	7	1014.74	1014.73	1014.73	1014.75	1014.79	1014.81	1014.83	1014.86	1014.88	1014.91	1014.94	1014.96	1014.83
	8	1014.99	1015.02	1015.01	1014.98	1014.97	1014.97	1015.02	1015.08	1015.11	1015.10	1015.13	1015.18	1015.04
	9	1015.21	1015.20	1015.19	1015.23	1015.28	1015.33	1015.36	1015.35	1015.33	1015.32	1015.26	1015.19	1015.27
	10	1015.11	1015.03	1015.00	1014.99	1014.93	1014.84	1014.75	1014.71	1014.68	1014.66	1014.63	1014.61	1014.83
	11	1014.59	1014.53	1014.45	1014.38	1014.30	1014.20	1014.11	1014.03	1013.94	1013.86	1013.76	1013.67	1014.15
	12	1013.63	1013.61	1013.57	1013.54	1013.51	1013.46	1013.40	1013.34	1013.27	1013.23	1013.18	1013.11	1013.40
	13	1013.06	1013.01	1012.96	1012.94	1012.94	1012.94	1012.96	1012.96	1012.97	1012.97	1013.01	1013.06	1012.98
	14	1013.08	1013.09	1013.12	1013.15	1013.13	1013.11	1013.11	1013.11	1013.12	1013.19	1013.23	1013.23	1013.14
	15	1013.20	1013.18	1013.14	1013.07	1013.05	1013.05	1013.05	1013.05	1013.06	1013.05	1013.04	1013.03	1013.08
	16	1013.04	1013.10	1013.13	1013.15	1013.16	1013.16	1013.17	1013.18	1013.18	1013.19	1013.17	1013.15	1013.15
	17	1013.16	1013.15	1013.17	1013.21	1013.21	1013.23	1013.27	1013.31	1013.32	1013.32	1013.34	1013.37	1013.25
	18	1013.41	1013.45	1013.46	1013.42	1013.37	1013.31	1013.29	1013.26	1013.26	1013.28	1013.25	1013.21	1013.33
	19	1013.21	1013.19	1013.17	1013.18	1013.17	1013.15	1013.13	1013.09	1013.06	1013.05	1013.03	1013.02	1013.12
	20	1013.00	1012.99	1012.99	1012.98	1012.92	1012.87	1012.86	1012.89	1012.88	1012.84	1012.81	1012.80	1012.90
	21	1012.84	1012.85	1012.79	1012.76	1012.78	1012.78	1012.77	1012.86	1012.92	1012.91	1012.88	1012.82	1012.83
	22	1012.75	1012.67	1012.61	1012.55	1012.47	1012.39	1012.35	1012.30	1012.27	1012.26	1012.18	1012.11	1012.41
	23	1012.07	1012.03	1011.97	1011.93	1011.85	1011.75	1011.70	1011.66	1011.62	1011.59	1011.57	1011.64	1011.78
12	0	1011.82	1011.77	1011.66	1011.58	1011.51	1011.46	1011.43	1011.40	1011.43	1011.49	1011.53	1011.56	1011.54
	1	1011.61	1011.66	1011.69	1011.71	1011.69	1011.65	1011.64	1011.67	1011.69	1011.67	1011.66	1011.66	1011.66
	2	1011.66	1011.66	1011.63	1011.61	1011.57	1011.49	1011.42	1011.34	1011.27	1011.25	1011.26	1011.24	1011.45
	3	1011.20	1011.18	1011.20	1011.23	1011.28	1011.34	1011.39	1011.43	1011.51	1011.58	1011.65	1011.72	1011.39
	4	1011.75	1011.72	1011.69	1011.67	1011.65	1011.65	1011.68	1011.67	1011.68	1011.72	1011.74	1011.76	1011.70
	5	1011.80	1011.81	1011.84	1011.93	1012.05	1012.16	1012.21	1012.24	1012.27	1012.34	1012.48	1012.61	1012.14
	6	1012.70	1012.81	1012.91	1012.98	1013.06	1013.13	1013.21	1013.32	1013.46	1013.54	1013.61	1013.72	1013.20
	7	1013.82	1013.90	1014.00	1014.12	1014.24	1014.36	1014.47	1014.57	1014.68	1014.76	1014.83	1014.89	1014.38
	8	1014.92	1014.96	1015.01	1015.06	1015.16	1015.25	1015.27	1015.29	1015.30	1015.34	1015.42	1015.45	1015.20
	9	1015.47	1015.54	1015.59	1015.61	1015.63	1015.66	1015.70	1015.72	1015.75	1015.78	1015.81	1015.89	1015.68
	10	1015.94	1015.93	1015.92	1015.92	1015.97	1016.03	1016.04	1016.04	1016.03	1016.01	1015.99	1015.93	1015.98
	11	1015.88	1015.82	1015.75	1015.77	1015.82	1015.82	1015.79	1015.77	1015.78	1015.80	1015.83	1015.81	1015.80
	12	1015.71	1015.63	1015.60	1015.56	1015.53	1015.50	1015.49	1015.47	1015.49	1015.53	1015.56	1015.58	1015.55
	13	1015.59	1015.56	1015.56	1015.60	1015.65	1015.70	1015.75	1015.79	1015.82	1015.86	1015.88	1015.90	1015.72
	14	1015.95	1015.98	1015.99	1016.03	1016.07	1016.14	1016.22	1016.29	1016.34	1016.38	1016.44	1016.49	1016.19
	15	1016.53	1016.59	1016.63	1016.64	1016.67	1016.69	1016.74	1016.81	1016.86	1016.90	1016.94	1017.04	1016.75
	16	1017.16	1017.26	1017.33	1017.37	1017.41	1017.49	1017.57	1017.64	1017.68	1017.71	1017.73	1017.75	1017.51
	17	1017.75	1017.75	1017.78	1017.83	1017.88	1017.90	1017.91	1017.95	1018.01	1018.07	1018.09	1018.12	1017.92
	18	1018.16	1018.19	1018.20	1018.22	1018.27	1018.30	1018.33	1018.39	1018.45	1018.48	1018.47	1018.46	1018.33
	19	1018.47	1018.52	1018.56	1018.57	1018.60	1018.66	1018.67	1018.66	1018.67	1018.70	1018.74	1018.77	1018.63
	20	1018.83	1018.89	1018.94	1018.97	1018.93	1018.89	1018.87	1018.87	1018.85	1018.86	1018.86	1018.83	1018.88
	21	1018.81	1018.83	1018.85	1018.89	1018.96	1019.01	1019.06	1019.10	1019.13	1019.17	1019.22	1019.21	1019.02
	22	1019.17	1019.13	1019.13	1019.12	1019.10	1019.07	1019.07	1019.07	1019.04	1019.03	1019.01	1019.01	1019.08
	23	1019.01	1019.05	1019.12	1019.20	1019.25	1019.24	1019.21	1019.16	1019.09	1019.05	1019.08	1019.13	1019.13

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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	1019.18	1019.18	1019.19	1019.21	1019.23	1019.25	1019.24	1019.21	1019.18	1019.15	1019.15	1019.14	1019.19
	1	1019.11	1019.08	1019.04	1019.00	1018.97	1018.95	1018.92	1018.90	1018.89	1018.86	1018.80	1018.80	1018.94
	2	1018.86	1018.85	1018.81	1018.80	1018.78	1018.70	1018.60	1018.55	1018.53	1018.51	1018.48	1018.44	1018.66
	3	1018.40	1018.37	1018.37	1018.37	1018.41	1018.44	1018.45	1018.47	1018.51	1018.51	1018.52	1018.55	1018.45
	4	1018.55	1018.56	1018.56	1018.60	1018.63	1018.64	1018.68	1018.75	1018.81	1018.83	1018.83	1018.85	1018.69
	5	1018.86	1018.81	1018.83	1018.88	1018.91	1018.98	1018.98	1018.91	1018.91	1018.95	1018.95	1018.96	1018.91
	6	1018.99	1019.00	1018.99	1019.00	1019.03	1019.01	1018.98	1019.03	1019.12	1019.19	1019.24	1019.27	1019.07
	7	1019.28	1019.31	1019.38	1019.42	1019.40	1019.41	1019.45	1019.50	1019.60	1019.60	1019.50	1019.35	1019.43
	8	1019.27	1019.36	1019.42	1019.37	1019.30	1019.31	1019.38	1019.35	1019.31	1019.39	1019.42	1019.41	1019.35
	9	1019.43	1019.38	1019.35	1019.31	1019.26	1019.29	1019.30	1019.31	1019.31	1019.29	1019.24	1019.18	1019.30
	10	1019.15	1019.14	1019.15	1019.11	1019.01	1018.93	1018.86	1018.80	1018.78	1018.81	1018.87	1018.85	1018.95
	11	1018.80	1018.77	1018.77	1018.73	1018.63	1018.50	1018.40	1018.35	1018.27	1018.16	1018.05	1017.95	1018.45
	12	1017.88	1017.84	1017.82	1017.79	1017.71	1017.67	1017.66	1017.65	1017.61	1017.62	1017.63	1017.53	1017.70
	13	1017.43	1017.40	1017.40	1017.36	1017.33	1017.37	1017.39	1017.34	1017.31	1017.32	1017.30	1017.27	1017.35
	14	1017.29	1017.33	1017.37	1017.47	1017.55	1017.51	1017.51	1017.54	1017.55	1017.60	1017.67	1017.72	1017.51
	15	1017.69	1017.68	1017.70	1017.69	1017.69	1017.68	1017.66	1017.63	1017.58	1017.55	1017.62	1017.74	1017.66
	16	1017.84	1017.96	1018.05	1018.12	1018.16	1018.16	1018.16	1018.18	1018.17	1018.14	1018.11	1018.11	1018.09
	17	1018.08	1018.12	1018.19	1018.23	1018.25	1018.26	1018.28	1018.32	1018.36	1018.38	1018.41	1018.39	1018.27
	18	1018.35	1018.34	1018.28	1018.22	1018.22	1018.22	1018.21	1018.19	1018.19	1018.20	1018.24	1018.29	1018.24
	19	1018.31	1018.32	1018.31	1018.32	1018.37	1018.43	1018.49	1018.52	1018.54	1018.58	1018.60	1018.61	1018.45
	20	1018.66	1018.69	1018.67	1018.66	1018.67	1018.68	1018.73	1018.77	1018.78	1018.76	1018.73	1018.70	1018.71
	21	1018.70	1018.73	1018.75	1018.74	1018.77	1018.78	1018.75	1018.78	1018.82	1018.84	1018.82	1018.78	1018.77
	22	1018.75	1018.78	1018.82	1018.84	1018.84	1018.84	1018.84	1018.83	1018.82	1018.84	1018.84	1018.81	1018.82
	23	1018.77	1018.74	1018.75	1018.78	1018.80	1018.84	1018.85	1018.77	1018.73	1018.73	1018.68	1018.68	1018.76
14	0	1018.66	1018.65	1018.62	1018.58	1018.58	1018.61	1018.61	1018.57	1018.58	1018.59	1018.57	1018.56	1018.59
	1	1018.54	1018.52	1018.52	1018.56	1018.64	1018.70	1018.74	1018.77	1018.78	1018.78	1018.78	1018.77	1018.67
	2	1018.78	1018.84	1018.88	1018.93	1018.96	1018.93	1018.91	1018.90	1018.92	1018.97	1018.95	1018.92	1018.91
	3	1018.94	1018.96	1018.97	1018.96	1018.91	1018.86	1018.87	1018.90	1018.91	1018.95	1019.01	1019.04	1018.94
	4	1019.05	1019.11	1019.15	1019.16	1019.20	1019.23	1019.26	1019.24	1019.24	1019.26	1019.30	1019.36	1019.21
	5	1019.42	1019.45	1019.47	1019.50	1019.55	1019.58	1019.60	1019.66	1019.70	1019.75	1019.85	1019.99	1019.62
	6	1020.05	1020.11	1020.20	1020.25	1020.28	1020.31	1020.37	1020.43	1020.45	1020.48	1020.55	1020.62	1020.34
	7	1020.67	1020.71	1020.74	1020.80	1020.82	1020.82	1020.87	1020.97	1021.02	1021.00	1021.00	1021.03	1020.87
	8	1021.04	1021.05	1021.06	1021.07	1021.06	1021.07	1021.10	1021.12	1021.14	1021.17	1021.22	1021.27	1021.11
	9	1021.29	1021.31	1021.34	1021.37	1021.38	1021.42	1021.43	1021.40	1021.37	1021.38	1021.36	1021.34	1021.36
	10	1021.35	1021.35	1021.33	1021.33	1021.32	1021.32	1021.31	1021.29	1021.28	1021.24	1021.24	1021.27	1021.30
	11	1021.25	1021.23	1021.21	1021.16	1021.15	1021.14	1021.10	1021.08	1021.05	1021.00	1020.97	1020.94	1021.10
	12	1020.90	1020.85	1020.79	1020.75	1020.72	1020.66	1020.63	1020.62	1020.56	1020.54	1020.57	1020.58	1020.68
	13	1020.59	1020.61	1020.63	1020.66	1020.70	1020.72	1020.75	1020.78	1020.79	1020.78	1020.75	1020.71	1020.70
	14	1020.68	1020.63	1020.59	1020.58	1020.59	1020.61	1020.60	1020.58	1020.59	1020.60	1020.61	1020.64	1020.61
	15	1020.68	1020.75	1020.85	1020.90	1020.91	1020.91	1020.90	1020.89	1020.91	1020.98	1021.02	1021.03	1020.89
	16	1021.08	1021.15	1021.20	1021.24	1021.28	1021.36	1021.46	1021.54	1021.59	1021.64	1021.65	1021.66	1021.40
	17	1021.67	1021.68	1021.70	1021.74	1021.75	1021.76	1021.79	1021.81	1021.82	1021.86	1021.91	1021.92	1021.78
	18	1021.91	1021.87	1021.85	1021.88	1021.90	1021.88	1021.88	1021.90	1021.95	1021.99	1021.97	1021.95	1021.91
	19	1021.93	1021.95	1021.99	1022.03	1022.06	1022.08	1022.09	1022.12	1022.13	1022.16	1022.19	1022.20	1022.08
	20	1022.23	1022.24	1022.23	1022.24	1022.27	1022.29	1022.31	1022.34	1022.32	1022.27	1022.26	1022.28	1022.27
	21	1022.28	1022.26	1022.26	1022.33	1022.40	1022.41	1022.42	1022.42	1022.38	1022.35	1022.34	1022.34	1022.35
	22	1022.31	1022.31	1022.37	1022.39	1022.38	1022.41	1022.40	1022.36	1022.35	1022.35	1022.35	1022.31	1022.36
	23	1022.27	1022.27	1022.25	1022.27	1022.28	1022.27	1022.28	1022.30	1022.29	1022.26	1022.27	1022.25	1022.27

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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	1022.20	1022.20	1022.20	1022.21	1022.21	1022.17	1022.11	1022.05	1021.98	1021.93	1021.98	1022.02	1022.10
	1	1021.99	1022.01	1022.06	1022.07	1022.06	1022.05	1022.05	1022.00	1021.96	1022.00	1022.06	1022.08	1022.03
	2	1022.09	1022.07	1022.01	1021.89	1021.78	1021.71	1021.69	1021.72	1021.79	1021.83	1021.76	1021.68	1021.83
	3	1021.59	1021.51	1021.53	1021.50	1021.34	1021.25	1021.26	1021.24	1021.21	1021.22	1021.21	1021.16	1021.33
	4	1021.15	1021.05	1020.96	1020.95	1020.88	1020.78	1020.58	1020.45	1020.39	1020.33	1020.28	1020.28	1020.67
	5	1020.42	1020.44	1020.59	1020.86	1020.86	1020.85	1020.89	1020.90	1020.87	1020.85	1020.90	1021.01	1020.78
	6	1021.06	1021.07	1021.12	1021.27	1021.41	1021.54	1021.65	1021.74	1021.94	1022.10	1022.19	1022.37	1021.62
	7	1022.55	1022.65	1022.76	1022.85	1022.95	1023.06	1023.17	1023.27	1023.32	1023.31	1023.27	1023.27	1023.03
	8	1023.37	1023.44	1023.40	1023.33	1023.24	1023.19	1023.29	1023.30	1023.20	1023.20	1023.23	1023.28	1023.29
	9	1023.33	1023.35	1023.35	1023.28	1023.23	1023.22	1023.21	1023.14	1023.10	1023.17	1023.24	1023.27	1023.24
	10	1023.30	1023.33	1023.30	1023.28	1023.24	1023.17	1023.14	1023.14	1023.13	1023.10	1023.11	1023.10	1023.19
	11	1023.09	1023.03	1022.92	1022.90	1022.91	1022.89	1022.82	1022.75	1022.70	1022.60	1022.51	1022.46	1022.80
	12	1022.34	1022.24	1022.15	1022.10	1022.05	1021.98	1021.98	1021.98	1021.95	1021.95	1021.97	1021.97	1022.05
	13	1021.98	1021.99	1021.99	1021.99	1022.00	1022.02	1022.06	1022.15	1022.20	1022.22	1022.20	1022.14	1022.08
	14	1022.10	1022.11	1022.11	1022.08	1022.09	1022.09	1022.04	1022.00	1021.95	1021.92	1021.90	1021.89	1022.02
	15	1021.94	1021.94	1021.94	1021.97	1022.01	1022.05	1022.15	1022.28	1022.34	1022.35	1022.38	1022.41	1022.14
	16	1022.39	1022.36	1022.37	1022.40	1022.46	1022.53	1022.57	1022.58	1022.61	1022.68	1022.71	1022.74	1022.53
	17	1022.78	1022.85	1022.91	1022.97	1023.09	1023.26	1023.42	1023.53	1023.57	1023.53	1023.53	1023.54	1023.25
	18	1023.53	1023.54	1023.58	1023.65	1023.72	1023.80	1023.91	1023.94	1023.92	1023.93	1023.97	1023.95	1023.79
	19	1023.93	1023.99	1024.06	1024.21	1024.41	1024.53	1024.56	1024.56	1024.61	1024.68	1024.71	1024.73	1024.41
	20	1024.78	1024.84	1024.91	1024.93	1024.95	1024.95	1024.95	1025.00	1025.02	1024.99	1024.95	1024.95	1024.93
	21	1024.96	1024.99	1025.09	1025.17	1025.24	1025.29	1025.35	1025.32	1025.24	1025.33	1025.44	1025.41	1025.23
	22	1025.38	1025.41	1025.44	1025.47	1025.52	1025.54	1025.55	1025.53	1025.50	1025.49	1025.52	1025.56	1025.49
	23	1025.58	1025.63	1025.65	1025.70	1025.76	1025.78	1025.72	1025.66	1025.68	1025.75	1025.75	1025.73	1025.70
16	0	1025.69	1025.65	1025.59	1025.60	1025.67	1025.77	1025.87	1025.90	1025.90	1025.91	1025.97	1026.04	1025.80
	1	1026.07	1026.13	1026.25	1026.35	1026.39	1026.38	1026.34	1026.30	1026.30	1026.31	1026.32	1026.31	1026.29
	2	1026.32	1026.32	1026.28	1026.27	1026.27	1026.25	1026.22	1026.17	1026.14	1026.14	1026.09	1026.02	1026.21
	3	1026.02	1026.06	1026.08	1026.09	1026.09	1026.08	1026.06	1026.06	1026.02	1025.95	1025.91	1025.88	1026.02
	4	1025.86	1025.88	1025.88	1025.89	1025.94	1025.98	1026.03	1026.07	1026.13	1026.21	1026.29	1026.35	1026.04
	5	1026.37	1026.41	1026.45	1026.48	1026.52	1026.55	1026.58	1026.60	1026.61	1026.67	1026.74	1026.76	1026.56
	6	1026.77	1026.78	1026.83	1026.90	1027.00	1027.08	1027.08	1027.06	1027.10	1027.16	1027.23	1027.28	1027.02
	7	1027.36	1027.46	1027.51	1027.57	1027.64	1027.73	1027.83	1027.87	1027.88	1027.92	1027.96	1028.02	1027.73
	8	1028.08	1028.14	1028.21	1028.24	1028.27	1028.32	1028.36	1028.36	1028.38	1028.42	1028.45	1028.48	1028.31
	9	1028.50	1028.52	1028.53	1028.53	1028.56	1028.56	1028.54	1028.56	1028.57	1028.58	1028.56	1028.52	1028.54
	10	1028.51	1028.50	1028.48	1028.44	1028.41	1028.38	1028.38	1028.37	1028.33	1028.29	1028.22	1028.15	1028.37
	11	1028.09	1028.07	1028.05	1028.01	1027.94	1027.87	1027.83	1027.80	1027.75	1027.70	1027.65	1027.60	1027.86
	12	1027.53	1027.46	1027.44	1027.43	1027.40	1027.35	1027.29	1027.24	1027.21	1027.17	1027.11	1027.05	1027.30
	13	1026.96	1026.93	1026.96	1026.93	1026.89	1026.90	1026.93	1026.96	1026.97	1026.97	1026.96	1026.92	1026.94
	14	1026.86	1026.80	1026.76	1026.71	1026.68	1026.69	1026.71	1026.72	1026.74	1026.72	1026.70	1026.71	1026.73
	15	1026.71	1026.70	1026.70	1026.72	1026.72	1026.74	1026.78	1026.79	1026.81	1026.85	1026.87	1026.90	1026.77
	16	1026.94	1026.96	1026.96	1026.98	1027.07	1027.16	1027.21	1027.25	1027.28	1027.34	1027.38	1027.36	1027.16
	17	1027.35	1027.37	1027.40	1027.40	1027.38	1027.38	1027.37	1027.36	1027.39	1027.42	1027.44	1027.47	1027.39
	18	1027.50	1027.52	1027.54	1027.53	1027.49	1027.47	1027.47	1027.49	1027.51	1027.49	1027.48	1027.44	1027.49
	19	1027.41	1027.39	1027.36	1027.37	1027.35	1027.32	1027.33	1027.36	1027.38	1027.38	1027.38	1027.40	1027.37
	20	1027.44	1027.47	1027.50	1027.51	1027.49	1027.49	1027.48	1027.45	1027.46	1027.46	1027.44	1027.45	1027.47
	21	1027.48	1027.48	1027.46	1027.48	1027.47	1027.45	1027.46	1027.48	1027.50	1027.51	1027.52	1027.54	1027.48
	22	1027.55	1027.59	1027.67	1027.71	1027.74	1027.73	1027.71	1027.70	1027.68	1027.69	1027.72	1027.76	1027.69
	23	1027.77	1027.74	1027.73	1027.74	1027.76	1027.74	1027.71	1027.72	1027.74	1027.73	1027.69	1027.67	1027.73

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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	1027.57	1027.56	1027.54	1027.50	1027.48	1027.45	1027.44	1027.44	1027.42	1027.38	1027.34	1027.33	1027.45
	1	1027.35	1027.38	1027.40	1027.42	1027.46	1027.46	1027.46	1027.44	1027.41	1027.40	1027.37	1027.39	1027.41
	2	1027.45	1027.49	1027.51	1027.47	1027.43	1027.44	1027.46	1027.49	1027.53	1027.52	1027.52	1027.50	1027.48
	3	1027.47	1027.46	1027.45	1027.41	1027.37	1027.36	1027.31	1027.27	1027.24	1027.20	1027.22	1027.21	1027.33
	4	1027.17	1027.12	1027.09	1027.05	1027.02	1027.03	1027.00	1026.98	1026.99	1027.02	1027.05	1027.04	1027.04
	5	1026.99	1026.88	1026.81	1026.83	1026.91	1026.95	1026.92	1026.91	1026.91	1026.90	1026.94	1027.02	1026.91
	6	1027.07	1027.08	1027.07	1027.07	1027.08	1027.13	1027.16	1027.18	1027.24	1027.31	1027.37	1027.37	1027.17
	7	1027.31	1027.22	1027.16	1027.18	1027.25	1027.31	1027.37	1027.41	1027.41	1027.38	1027.41	1027.44	1027.32
	8	1027.40	1027.37	1027.40	1027.38	1027.40	1027.47	1027.46	1027.41	1027.37	1027.33	1027.28	1027.25	1027.37
	9	1027.22	1027.16	1027.08	1027.05	1027.03	1027.08	1027.16	1027.19	1027.25	1027.24	1027.26	1027.31	1027.17
	10	1027.34	1027.34	1027.24	1027.13	1027.11	1027.12	1027.18	1027.23	1027.15	1027.11	1027.11	1027.07	1027.18
	11	1027.04	1026.99	1026.95	1026.95	1026.95	1026.91	1026.85	1026.80	1026.80	1026.79	1026.79	1026.78	1026.88
	12	1026.78	1026.72	1026.62	1026.51	1026.41	1026.34	1026.33	1026.31	1026.29	1026.29	1026.26	1026.25	1026.42
	13	1026.27	1026.22	1026.17	1026.20	1026.24	1026.23	1026.20	1026.21	1026.22	1026.18	1026.13	1026.03	1026.19
	14	1025.92	1025.90	1025.87	1025.77	1025.76	1025.75	1025.68	1025.60	1025.55	1025.55	1025.51	1025.48	1025.69
	15	1025.48	1025.43	1025.39	1025.39	1025.36	1025.35	1025.38	1025.40	1025.39	1025.36	1025.33	1025.30	1025.38
	16	1025.31	1025.34	1025.36	1025.31	1025.21	1025.13	1025.09	1025.16	1025.23	1025.25	1025.29	1025.34	1025.25
	17	1025.43	1025.48	1025.54	1025.61	1025.61	1025.57	1025.56	1025.58	1025.61	1025.66	1025.73	1025.76	1025.59
	18	1025.79	1025.83	1025.83	1025.83	1025.82	1025.80	1025.81	1025.81	1025.80	1025.79	1025.79	1025.82	1025.81
	19	1025.84	1025.82	1025.79	1025.77	1025.77	1025.79	1025.76	1025.74	1025.73	1025.71	1025.68	1025.63	1025.75
	20	1025.62	1025.64	1025.64	1025.62	1025.62	1025.63	1025.59	1025.54	1025.50	1025.46	1025.43	1025.41	1025.56
	21	1025.41	1025.41	1025.39	1025.35	1025.34	1025.39	1025.45	1025.47	1025.44	1025.42	1025.41	1025.39	1025.40
	22	1025.42	1025.43	1025.43	1025.43	1025.42	1025.38	1025.34	1025.34	1025.33	1025.33	1025.39	1025.42	1025.39
	23	1025.39	1025.37	1025.36	1025.37	1025.38	1025.38	1025.38	1025.39	1025.37	1025.34	1025.31	1025.27	1025.36
18	0	1025.22	1025.22	1025.21	1025.19	1025.16	1025.11	1025.05	1025.05	1025.06	1025.07	1025.08	1025.07	1025.12
	1	1025.02	1025.02	1025.01	1024.97	1024.95	1024.92	1024.91	1024.86	1024.84	1024.84	1024.80	1024.77	1024.91
	2	1024.75	1024.71	1024.64	1024.62	1024.61	1024.57	1024.55	1024.55	1024.51	1024.44	1024.37	1024.31	1024.55
	3	1024.27	1024.25	1024.24	1024.24	1024.23	1024.22	1024.20	1024.15	1024.09	1024.07	1024.07	1024.07	1024.17
	4	1024.08	1024.09	1024.11	1024.10	1024.08	1024.09	1024.08	1024.06	1024.08	1024.08	1024.07	1024.09	1024.08
	5	1024.14	1024.17	1024.18	1024.20	1024.21	1024.21	1024.20	1024.17	1024.17	1024.19	1024.23	1024.26	1024.19
	6	1024.29	1024.32	1024.33	1024.39	1024.43	1024.45	1024.50	1024.53	1024.53	1024.54	1024.60	1024.63	1024.46
	7	1024.64	1024.63	1024.62	1024.61	1024.65	1024.70	1024.76	1024.77	1024.78	1024.82	1024.87	1024.91	1024.73
	8	1024.91	1024.91	1024.95	1024.98	1024.98	1024.99	1025.00	1024.97	1024.98	1024.99	1024.97	1024.95	1024.96
	9	1024.93	1024.95	1024.96	1024.95	1024.94	1024.95	1024.96	1024.96	1024.95	1024.90	1024.84	1024.78	1024.92
	10	1024.75	1024.70	1024.64	1024.55	1024.45	1024.38	1024.31	1024.26	1024.19	1024.13	1024.07	1024.00	1024.37
	11	1023.95	1023.90	1023.85	1023.81	1023.78	1023.76	1023.71	1023.63	1023.55	1023.48	1023.41	1023.36	1023.68
	12	1023.32	1023.28	1023.22	1023.16	1023.14	1023.12	1023.07	1023.01	1022.95	1022.90	1022.87	1022.85	1023.07
	13	1022.80	1022.76	1022.75	1022.73	1022.69	1022.65	1022.61	1022.58	1022.57	1022.55	1022.50	1022.45	1022.64
	14	1022.41	1022.39	1022.40	1022.41	1022.40	1022.39	1022.37	1022.36	1022.36	1022.37	1022.36	1022.37	1022.38
	15	1022.39	1022.41	1022.43	1022.44	1022.46	1022.46	1022.47	1022.48	1022.50	1022.53	1022.57	1022.55	1022.47
	16	1022.54	1022.56	1022.58	1022.62	1022.66	1022.67	1022.69	1022.73	1022.78	1022.81	1022.84	1022.86	1022.69
	17	1022.87	1022.88	1022.88	1022.89	1022.90	1022.89	1022.87	1022.89	1022.91	1022.93	1022.95	1022.99	1022.90
	18	1023.01	1023.00	1022.99	1022.97	1022.93	1022.90	1022.88	1022.86	1022.83	1022.82	1022.84	1022.87	1022.91
	19	1022.90	1022.90	1022.88	1022.88	1022.89	1022.87	1022.87	1022.89	1022.94	1022.97	1022.97	1022.96	1022.91
	20	1022.94	1022.95	1023.00	1023.06	1023.10	1023.12	1023.14	1023.16	1023.12	1023.10	1023.15	1023.17	1023.08
	21	1023.17	1023.18	1023.20	1023.22	1023.22	1023.22	1023.24	1023.24	1023.25	1023.26	1023.27	1023.28	1023.23
	22	1023.29	1023.34	1023.37	1023.36	1023.34	1023.34	1023.32	1023.29	1023.27	1023.25	1023.21	1023.17	1023.29
	23	1023.14	1023.11	1023.10	1023.07	1023.02	1022.97	1022.94	1022.93	1022.92	1022.90	1022.88	1022.85	1022.98

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1022.83	1022.81	1022.76	1022.73	1022.71	1022.71	1022.70	1022.70	1022.73	1022.73	1022.72	1022.78	1022.74
	1	1022.83	1022.81	1022.78	1022.77	1022.73	1022.71	1022.69	1022.65	1022.62	1022.61	1022.62	1022.58	1022.70
	2	1022.50	1022.44	1022.40	1022.39	1022.39	1022.38	1022.36	1022.30	1022.22	1022.18	1022.12	1022.04	1022.31
	3	1022.01	1021.98	1021.94	1021.91	1021.90	1021.88	1021.84	1021.83	1021.83	1021.87	1021.91	1021.93	1021.90
	4	1021.91	1021.87	1021.83	1021.79	1021.76	1021.75	1021.74	1021.72	1021.69	1021.66	1021.64	1021.64	1021.75
	5	1021.64	1021.64	1021.64	1021.63	1021.63	1021.64	1021.63	1021.61	1021.60	1021.60	1021.60	1021.56	1021.62
	6	1021.50	1021.50	1021.52	1021.49	1021.44	1021.42	1021.40	1021.38	1021.38	1021.39	1021.36	1021.33	1021.42
	7	1021.32	1021.33	1021.33	1021.31	1021.28	1021.27	1021.26	1021.21	1021.22	1021.24	1021.25	1021.26	1021.27
	8	1021.28	1021.32	1021.34	1021.37	1021.38	1021.35	1021.36	1021.37	1021.35	1021.32	1021.33	1021.34	1021.34
	9	1021.33	1021.32	1021.32	1021.33	1021.36	1021.35	1021.30	1021.32	1021.35	1021.32	1021.29	1021.29	1021.32
	10	1021.25	1021.18	1021.14	1021.08	1021.04	1021.00	1020.92	1020.85	1020.77	1020.71	1020.62	1020.53	1020.92
	11	1020.44	1020.34	1020.26	1020.18	1020.08	1019.98	1019.92	1019.85	1019.76	1019.69	1019.62	1019.55	1019.97
	12	1019.47	1019.40	1019.33	1019.25	1019.16	1019.06	1018.99	1018.94	1018.90	1018.83	1018.76	1018.72	1019.07
	13	1018.69	1018.66	1018.64	1018.62	1018.59	1018.57	1018.52	1018.46	1018.42	1018.39	1018.37	1018.34	1018.52
	14	1018.33	1018.31	1018.31	1018.31	1018.30	1018.28	1018.28	1018.29	1018.29	1018.28	1018.26	1018.24	1018.29
	15	1018.21	1018.17	1018.14	1018.12	1018.10	1018.09	1018.09	1018.08	1018.06	1018.07	1018.09	1018.10	1018.11
	16	1018.08	1018.04	1018.02	1018.00	1018.00	1018.00	1017.98	1017.97	1017.94	1017.92	1017.89	1017.89	1017.97
	17	1017.90	1017.88	1017.85	1017.84	1017.82	1017.81	1017.80	1017.79	1017.77	1017.72	1017.70	1017.70	1017.80
	18	1017.68	1017.64	1017.61	1017.59	1017.56	1017.52	1017.48	1017.46	1017.46	1017.47	1017.46	1017.44	1017.53
	19	1017.40	1017.37	1017.34	1017.30	1017.26	1017.22	1017.19	1017.15	1017.14	1017.13	1017.12	1017.11	1017.23
	20	1017.10	1017.06	1017.01	1016.99	1016.97	1016.92	1016.86	1016.84	1016.82	1016.80	1016.77	1016.72	1016.90
	21	1016.65	1016.62	1016.62	1016.61	1016.59	1016.59	1016.58	1016.56	1016.54	1016.52	1016.47	1016.43	1016.56
	22	1016.42	1016.41	1016.36	1016.29	1016.22	1016.15	1016.10	1016.05	1016.01	1016.00	1015.99	1015.97	1016.16
	23	1015.93	1015.89	1015.84	1015.75	1015.58	1015.46	1015.49	1015.50	1015.44	1015.37	1015.30	1015.23	1015.56
20	0	1015.12	1015.09	1015.02	1014.96	1014.93	1014.92	1014.91	1014.90	1014.88	1014.84	1014.83	1014.82	1014.92
	1	1014.79	1014.75	1014.72	1014.71	1014.69	1014.67	1014.64	1014.61	1014.60	1014.61	1014.60	1014.55	1014.66
	2	1014.49	1014.45	1014.40	1014.31	1014.23	1014.14	1014.05	1013.96	1013.88	1013.85	1013.79	1013.70	1014.10
	3	1013.63	1013.57	1013.52	1013.49	1013.43	1013.35	1013.27	1013.17	1013.07	1013.01	1012.98	1012.92	1013.28
	4	1012.86	1012.82	1012.79	1012.79	1012.82	1012.82	1012.76	1012.69	1012.66	1012.66	1012.70	1012.69	1012.75
	5	1012.64	1012.61	1012.63	1012.68	1012.71	1012.83	1013.00	1013.07	1013.06	1013.00	1013.06	1013.08	1012.86
	6	1013.04	1013.01	1012.98	1012.99	1012.97	1012.95	1012.93	1012.92	1012.92	1012.90	1012.85	1012.83	1012.94
	7	1012.83	1012.84	1012.83	1012.81	1012.78	1012.71	1012.63	1012.61	1012.60	1012.54	1012.52	1012.52	1012.68
	8	1012.53	1012.52	1012.50	1012.54	1012.57	1012.53	1012.46	1012.42	1012.44	1012.46	1012.47	1012.52	1012.49
	9	1012.56	1012.59	1012.62	1012.63	1012.63	1012.59	1012.55	1012.50	1012.44	1012.39	1012.37	1012.34	1012.52
	10	1012.32	1012.29	1012.25	1012.21	1012.15	1012.07	1011.99	1011.91	1011.84	1011.80	1011.73	1011.66	1012.02
	11	1011.58	1011.51	1011.49	1011.48	1011.44	1011.36	1011.31	1011.30	1011.27	1011.22	1011.16	1011.11	1011.35
	12	1011.03	1010.96	1010.91	1010.83	1010.77	1010.69	1010.58	1010.50	1010.42	1010.37	1010.46	1010.49	1010.67
	13	1010.43	1010.37	1010.31	1010.28	1010.25	1010.25	1010.28	1010.29	1010.32	1010.34	1010.31	1010.32	1010.31
	14	1010.38	1010.39	1010.31	1010.26	1010.24	1010.26	1010.29	1010.28	1010.30	1010.32	1010.37	1010.45	1010.32
	15	1010.46	1010.38	1010.30	1010.25	1010.18	1010.10	1010.05	1010.05	1010.11	1010.18	1010.26	1010.32	1010.22
	16	1010.31	1010.21	1010.11	1010.17	1010.27	1010.27	1010.26	1010.21	1010.11	1010.10	1010.18	1010.25	1010.20
	17	1010.29	1010.20	1010.06	1010.05	1010.10	1010.13	1010.20	1010.27	1010.22	1010.16	1010.18	1010.24	1010.17
	18	1010.30	1010.33	1010.37	1010.39	1010.38	1010.39	1010.40	1010.40	1010.38	1010.36	1010.35	1010.33	1010.36
	19	1010.28	1010.25	1010.25	1010.19	1010.13	1010.10	1010.07	1010.07	1010.05	1010.05	1010.02	1010.00	1010.12
	20	1010.06	1010.08	1010.05	1010.01	1009.97	1009.96	1009.96	1009.97	1009.96	1009.99	1010.03	1010.05	1010.01
	21	1010.09	1010.11	1010.14	1010.19	1010.22	1010.26	1010.31	1010.34	1010.34	1010.35	1010.35	1010.32	1010.25
	22	1010.33	1010.36	1010.37	1010.33	1010.29	1010.30	1010.37	1010.44	1010.45	1010.44	1010.45	1010.41	1010.38
	23	1010.29	1010.23	1010.26	1010.31	1010.30	1010.27	1010.28	1010.28	1010.27	1010.25	1010.24	1010.24	1010.27

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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	1010.24	1010.23	1010.21	1010.20	1010.18	1010.14	1010.08	1010.04	1010.02	1010.04	1010.05	1010.02	1010.11
	1	1010.02	1010.04	1010.06	1010.06	1010.04	1010.04	1010.05	1010.01	1009.97	1009.96	1009.94	1009.95	1010.01
	2	1009.98	1010.05	1010.09	1010.08	1010.04	1010.02	1010.04	1010.09	1010.10	1010.04	1009.97	1009.93	1010.03
	3	1009.93	1009.92	1009.91	1009.88	1009.84	1009.82	1009.82	1009.83	1009.83	1009.80	1009.78	1009.78	1009.84
	4	1009.78	1009.80	1009.80	1009.78	1009.75	1009.73	1009.73	1009.76	1009.77	1009.76	1009.76	1009.77	1009.76
	5	1009.79	1009.81	1009.81	1009.78	1009.72	1009.67	1009.65	1009.60	1009.59	1009.62	1009.66	1009.68	1009.70
	6	1009.70	1009.74	1009.74	1009.75	1009.81	1009.83	1009.82	1009.87	1009.91	1009.94	1009.94	1009.88	1009.83
	7	1009.83	1009.86	1009.95	1010.09	1010.20	1010.27	1010.33	1010.38	1010.43	1010.46	1010.49	1010.53	1010.23
	8	1010.50	1010.45	1010.47	1010.45	1010.41	1010.44	1010.47	1010.52	1010.59	1010.69	1010.77	1010.78	1010.54
	9	1010.79	1010.79	1010.76	1010.79	1010.89	1010.94	1010.95	1010.94	1010.92	1010.87	1010.82	1010.83	1010.85
	10	1010.88	1010.88	1010.86	1010.86	1010.87	1010.87	1010.81	1010.74	1010.70	1010.63	1010.51	1010.41	1010.75
	11	1010.30	1010.20	1010.17	1010.20	1010.25	1010.28	1010.25	1010.25	1010.27	1010.28	1010.31	1010.26	1010.25
	12	1010.20	1010.18	1010.15	1010.13	1010.07	1010.02	1010.04	1010.03	1009.96	1009.89	1009.87	1009.88	1010.03
	13	1009.87	1009.89	1009.99	1010.07	1010.10	1010.13	1010.05	1009.86	1009.69	1009.74	1009.98	1010.13	1009.96
	14	1010.16	1010.11	1010.09	1010.12	1010.14	1010.11	1010.01	1009.93	1009.96	1010.07	1010.12	1010.09	1010.07
	15	1010.10	1010.13	1010.10	1010.11	1010.14	1010.16	1010.20	1010.24	1010.22	1010.15	1010.07	1010.15	1010.15
	16	1010.29	1010.29	1010.30	1010.34	1010.33	1010.34	1010.39	1010.34	1010.23	1010.24	1010.28	1010.26	1010.30
	17	1010.24	1010.19	1010.11	1010.10	1010.21	1010.32	1010.37	1010.36	1010.39	1010.46	1010.55	1010.61	1010.32
	18	1010.67	1010.71	1010.71	1010.74	1010.75	1010.67	1010.63	1010.66	1010.69	1010.73	1010.76	1010.80	1010.71
	19	1010.83	1010.81	1010.76	1010.75	1010.79	1010.84	1010.86	1010.81	1010.80	1010.82	1010.84	1010.86	1010.81
	20	1010.87	1010.90	1010.93	1010.84	1010.73	1010.72	1010.74	1010.77	1010.89	1011.01	1011.09	1011.13	1010.88
	21	1011.11	1011.11	1011.16	1011.21	1011.36	1011.43	1011.33	1011.24	1011.22	1011.28	1011.32	1011.30	1011.25
	22	1011.27	1011.25	1011.22	1011.20	1011.17	1011.10	1011.02	1010.94	1010.90	1010.90	1010.89	1010.87	1011.06
	23	1010.81	1010.77	1010.77	1010.83	1010.94	1011.03	1011.08	1011.11	1011.12	1011.06	1010.99	1010.97	1010.95
22	0	1010.84	1010.79	1010.75	1010.75	1010.56	1010.38	1010.34	1010.30	1010.21	1010.09	1010.06	1010.00	1010.40
	1	1009.93	1009.91	1009.96	1009.95	1009.89	1009.88	1009.81	1009.67	1009.56	1009.50	1009.40	1009.31	1009.73
	2	1009.26	1009.19	1009.14	1009.07	1009.06	1009.10	1009.07	1009.04	1008.94	1008.88	1008.85	1008.78	1009.03
	3	1008.77	1008.81	1008.80	1008.77	1008.73	1008.67	1008.61	1008.54	1008.51	1008.44	1008.36	1008.39	1008.61
	4	1008.37	1008.29	1008.23	1008.19	1008.17	1008.21	1008.28	1008.21	1008.08	1008.09	1008.11	1008.06	1008.19
	5	1008.03	1008.04	1008.11	1008.13	1008.07	1008.06	1008.02	1007.92	1007.88	1007.86	1007.75	1007.70	1007.96
	6	1007.68	1007.64	1007.60	1007.59	1007.54	1007.57	1007.66	1007.72	1007.77	1007.74	1007.69	1007.67	1007.65
	7	1007.66	1007.74	1007.75	1007.71	1007.71	1007.74	1007.77	1007.72	1007.73	1007.76	1007.81	1007.86	1007.74
	8	1007.83	1007.81	1007.82	1007.85	1007.88	1007.88	1007.89	1007.91	1007.91	1007.90	1007.93	1007.95	1007.88
	9	1007.93	1007.91	1007.93	1007.94	1007.88	1007.80	1007.73	1007.67	1007.65	1007.70	1007.76	1007.76	1007.80
	10	1007.75	1007.70	1007.64	1007.59	1007.58	1007.60	1007.60	1007.61	1007.56	1007.47	1007.36	1007.30	1007.56
	11	1007.28	1007.23	1007.20	1007.17	1007.14	1007.10	1007.04	1006.96	1006.94	1006.93	1006.89	1006.86	1007.06
	12	1006.83	1006.81	1006.81	1006.84	1006.87	1006.87	1006.84	1006.81	1006.81	1006.82	1006.83	1006.85	1006.83
	13	1006.87	1006.91	1006.93	1006.89	1006.87	1006.88	1006.89	1006.88	1006.85	1006.82	1006.80	1006.83	1006.87
	14	1006.83	1006.80	1006.79	1006.75	1006.71	1006.72	1006.73	1006.73	1006.73	1006.74	1006.75	1006.78	1006.75
	15	1006.79	1006.80	1006.81	1006.84	1006.88	1006.89	1006.87	1006.83	1006.83	1006.87	1006.93	1006.96	1006.86
	16	1006.94	1006.94	1006.97	1007.00	1007.04	1007.09	1007.13	1007.18	1007.22	1007.26	1007.32	1007.39	1007.12
	17	1007.45	1007.53	1007.57	1007.57	1007.59	1007.64	1007.72	1007.79	1007.90	1008.01	1008.08	1008.18	1007.75
	18	1008.29	1008.39	1008.53	1008.68	1008.75	1008.77	1008.83	1008.89	1008.93	1008.98	1009.03	1009.12	1008.76
	19	1009.19	1009.20	1009.23	1009.27	1009.24	1009.23	1009.26	1009.23	1009.23	1009.32	1009.43	1009.50	1009.28
	20	1009.53	1009.53	1009.55	1009.59	1009.62	1009.66	1009.65	1009.65	1009.67	1009.68	1009.70	1009.72	1009.63
	21	1009.77	1009.84	1009.88	1009.91	1009.93	1009.95	1009.95	1009.95	1009.97	1010.02	1010.10	1010.19	1009.95
	22	1010.27	1010.31	1010.33	1010.36	1010.38	1010.38	1010.38	1010.38	1010.39	1010.43	1010.45	1010.47	1010.37
	23	1010.49	1010.51	1010.52	1010.52	1010.50	1010.47	1010.45	1010.43	1010.40	1010.40	1010.38	1010.36	1010.45

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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	1010.32	1010.30	1010.26	1010.26	1010.27	1010.27	1010.26	1010.21	1010.20	1010.21	1010.22	1010.22	1010.24
	1	1010.21	1010.23	1010.25	1010.27	1010.31	1010.35	1010.41	1010.45	1010.50	1010.53	1010.55	1010.57	1010.38
	2	1010.54	1010.52	1010.51	1010.52	1010.51	1010.54	1010.54	1010.54	1010.57	1010.55	1010.56	1010.60	1010.54
	3	1010.64	1010.66	1010.66	1010.65	1010.65	1010.66	1010.69	1010.73	1010.74	1010.75	1010.78	1010.80	1010.70
	4	1010.80	1010.80	1010.84	1010.87	1010.87	1010.85	1010.83	1010.84	1010.89	1010.91	1010.91	1010.95	1010.86
	5	1011.04	1011.13	1011.19	1011.23	1011.27	1011.31	1011.33	1011.34	1011.39	1011.43	1011.47	1011.52	1011.30
	6	1011.52	1011.51	1011.54	1011.60	1011.65	1011.70	1011.74	1011.79	1011.81	1011.85	1011.92	1011.98	1011.71
	7	1012.02	1012.05	1012.08	1012.09	1012.10	1012.11	1012.13	1012.16	1012.19	1012.23	1012.26	1012.30	1012.14
	8	1012.39	1012.44	1012.49	1012.54	1012.58	1012.61	1012.66	1012.77	1012.86	1012.89	1012.88	1012.87	1012.66
	9	1012.87	1012.89	1012.90	1012.94	1012.95	1012.94	1012.93	1012.92	1012.95	1012.99	1013.02	1013.02	1012.94
	10	1013.00	1013.03	1013.09	1013.09	1013.07	1013.05	1013.06	1013.09	1013.08	1013.03	1013.01	1012.99	1013.05
	11	1012.98	1012.96	1012.92	1012.91	1012.91	1012.89	1012.86	1012.84	1012.86	1012.87	1012.87	1012.88	1012.89
	12	1012.90	1012.93	1012.94	1012.96	1012.98	1013.00	1013.01	1012.99	1012.96	1012.95	1012.97	1012.99	1012.96
	13	1013.01	1013.03	1013.06	1013.08	1013.09	1013.13	1013.16	1013.19	1013.21	1013.23	1013.25	1013.28	1013.14
	14	1013.31	1013.35	1013.40	1013.46	1013.52	1013.57	1013.60	1013.60	1013.61	1013.62	1013.63	1013.63	1013.52
	15	1013.64	1013.63	1013.63	1013.65	1013.67	1013.69	1013.71	1013.73	1013.74	1013.74	1013.74	1013.75	1013.69
	16	1013.76	1013.78	1013.81	1013.84	1013.87	1013.91	1013.93	1013.95	1013.98	1014.03	1014.07	1014.10	1013.92
	17	1014.12	1014.16	1014.19	1014.21	1014.24	1014.28	1014.34	1014.40	1014.42	1014.43	1014.48	1014.55	1014.32
	18	1014.60	1014.64	1014.67	1014.70	1014.72	1014.73	1014.75	1014.78	1014.80	1014.84	1014.89	1014.95	1014.75
	19	1014.99	1015.04	1015.07	1015.10	1015.13	1015.17	1015.21	1015.25	1015.26	1015.30	1015.34	1015.35	1015.18
	20	1015.38	1015.38	1015.38	1015.42	1015.47	1015.50	1015.54	1015.55	1015.55	1015.54	1015.57	1015.60	1015.49
	21	1015.64	1015.69	1015.71	1015.75	1015.79	1015.81	1015.83	1015.83	1015.83	1015.84	1015.84	1015.83	1015.78
	22	1015.84	1015.86	1015.87	1015.86	1015.85	1015.86	1015.88	1015.88	1015.88	1015.87	1015.85	1015.83	1015.86
	23	1015.80	1015.76	1015.75	1015.76	1015.75	1015.73	1015.71	1015.68	1015.65	1015.63	1015.63	1015.64	1015.71
24	0	1015.63	1015.63	1015.64	1015.63	1015.60	1015.57	1015.54	1015.54	1015.54	1015.55	1015.58	1015.58	1015.58
	1	1015.58	1015.60	1015.64	1015.68	1015.71	1015.74	1015.76	1015.79	1015.81	1015.81	1015.83	1015.82	1015.73
	2	1015.79	1015.78	1015.77	1015.77	1015.76	1015.73	1015.71	1015.70	1015.65	1015.63	1015.65	1015.65	1015.71
	3	1015.63	1015.62	1015.61	1015.59	1015.58	1015.58	1015.57	1015.55	1015.52	1015.51	1015.52	1015.52	1015.56
	4	1015.54	1015.56	1015.60	1015.64	1015.65	1015.62	1015.57	1015.55	1015.57	1015.59	1015.64	1015.69	1015.60
	5	1015.75	1015.80	1015.83	1015.85	1015.86	1015.88	1015.91	1015.96	1015.99	1016.02	1016.10	1016.16	1015.92
	6	1016.16	1016.15	1016.16	1016.18	1016.24	1016.29	1016.31	1016.33	1016.36	1016.42	1016.49	1016.52	1016.30
	7	1016.55	1016.55	1016.53	1016.52	1016.53	1016.55	1016.55	1016.52	1016.53	1016.57	1016.61	1016.64	1016.55
	8	1016.65	1016.64	1016.65	1016.63	1016.61	1016.64	1016.64	1016.61	1016.60	1016.60	1016.59	1016.61	1016.62
	9	1016.66	1016.63	1016.58	1016.62	1016.65	1016.64	1016.65	1016.70	1016.76	1016.72	1016.66	1016.61	1016.66
	10	1016.57	1016.57	1016.58	1016.56	1016.54	1016.49	1016.44	1016.41	1016.37	1016.35	1016.32	1016.30	1016.46
	11	1016.29	1016.28	1016.24	1016.18	1016.13	1016.11	1016.11	1016.10	1016.04	1016.00	1015.98	1015.93	1016.11
	12	1015.86	1015.78	1015.66	1015.55	1015.47	1015.44	1015.40	1015.35	1015.33	1015.34	1015.33	1015.29	1015.48
	13	1015.24	1015.21	1015.21	1015.24	1015.25	1015.25	1015.26	1015.27	1015.29	1015.32	1015.37	1015.45	1015.28
	14	1015.50	1015.49	1015.50	1015.54	1015.58	1015.63	1015.65	1015.65	1015.66	1015.69	1015.74	1015.78	1015.61
	15	1015.77	1015.76	1015.78	1015.82	1015.81	1015.78	1015.79	1015.79	1015.76	1015.73	1015.72	1015.71	1015.77
	16	1015.70	1015.71	1015.75	1015.78	1015.78	1015.81	1015.84	1015.89	1015.92	1015.95	1015.99	1016.03	1015.84
	17	1016.05	1016.07	1016.08	1016.07	1016.08	1016.09	1016.10	1016.11	1016.16	1016.19	1016.22	1016.28	1016.12
	18	1016.35	1016.41	1016.46	1016.50	1016.54	1016.59	1016.63	1016.63	1016.61	1016.61	1016.63	1016.65	1016.55
	19	1016.70	1016.75	1016.74	1016.75	1016.79	1016.81	1016.83	1016.86	1016.89	1016.90	1016.89	1016.88	1016.81
	20	1016.87	1016.86	1016.86	1016.86	1016.90	1016.93	1016.93	1016.94	1016.97	1016.98	1016.95	1016.93	1016.91
	21	1016.92	1016.93	1016.98	1017.03	1017.06	1017.11	1017.17	1017.18	1017.15	1017.16	1017.25	1017.32	1017.10
	22	1017.30	1017.25	1017.16	1017.11	1017.12	1017.15	1017.16	1017.16	1017.12	1017.11	1017.18	1017.25	1017.17
	23	1017.26	1017.23	1017.20	1017.21	1017.26	1017.29	1017.28	1017.23	1017.20	1017.25	1017.28	1017.29	1017.25

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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	1017.30	1017.30	1017.26	1017.18	1017.11	1017.05	1017.00	1016.97	1016.95	1016.95	1016.99	1017.01	1017.08
	1	1016.99	1016.96	1016.94	1016.95	1016.96	1016.95	1016.97	1017.05	1017.16	1017.25	1017.32	1017.36	1017.07
	2	1017.31	1017.21	1017.13	1017.10	1017.11	1017.10	1017.08	1017.07	1017.05	1017.03	1017.01	1017.04	1017.10
	3	1017.09	1017.10	1017.11	1017.11	1017.12	1017.10	1017.07	1017.06	1017.03	1017.03	1017.04	1017.03	1017.07
	4	1017.03	1017.06	1017.06	1017.05	1017.07	1017.11	1017.12	1017.12	1017.10	1017.06	1017.02	1016.98	1017.06
	5	1016.96	1016.97	1016.98	1016.99	1017.04	1017.07	1017.13	1017.19	1017.20	1017.20	1017.23	1017.28	1017.10
	6	1017.27	1017.24	1017.23	1017.21	1017.18	1017.18	1017.20	1017.21	1017.24	1017.29	1017.31	1017.34	1017.24
	7	1017.37	1017.36	1017.35	1017.34	1017.34	1017.36	1017.39	1017.44	1017.49	1017.52	1017.52	1017.51	1017.41
	8	1017.50	1017.49	1017.52	1017.53	1017.52	1017.52	1017.52	1017.51	1017.51	1017.51	1017.49	1017.44	1017.50
	9	1017.42	1017.42	1017.40	1017.35	1017.31	1017.31	1017.32	1017.33	1017.31	1017.27	1017.21	1017.17	1017.32
	10	1017.15	1017.13	1017.08	1017.01	1016.94	1016.87	1016.79	1016.68	1016.60	1016.54	1016.46	1016.38	1016.80
	11	1016.33	1016.27	1016.22	1016.20	1016.17	1016.12	1016.06	1015.96	1015.85	1015.73	1015.63	1015.53	1016.00
	12	1015.44	1015.37	1015.30	1015.24	1015.16	1015.06	1014.99	1014.94	1014.90	1014.86	1014.81	1014.76	1015.07
	13	1014.70	1014.67	1014.68	1014.68	1014.64	1014.60	1014.57	1014.53	1014.47	1014.44	1014.40	1014.35	1014.56
	14	1014.31	1014.29	1014.26	1014.25	1014.25	1014.25	1014.26	1014.25	1014.23	1014.21	1014.20	1014.20	1014.25
	15	1014.21	1014.20	1014.20	1014.19	1014.15	1014.09	1014.05	1014.02	1013.99	1013.97	1013.94	1013.93	1014.08
	16	1013.94	1013.96	1013.98	1013.96	1013.94	1013.93	1013.92	1013.93	1013.98	1014.01	1013.96	1013.89	1013.95
	17	1013.84	1013.82	1013.81	1013.83	1013.86	1013.86	1013.82	1013.81	1013.81	1013.85	1013.91	1013.93	1013.84
	18	1013.94	1013.94	1013.92	1013.92	1013.91	1013.88	1013.85	1013.85	1013.86	1013.87	1013.88	1013.90	1013.89
	19	1013.89	1013.90	1013.92	1013.90	1013.87	1013.87	1013.91	1013.95	1013.96	1013.97	1013.94	1013.89	1013.91
	20	1013.89	1013.90	1013.90	1013.89	1013.88	1013.85	1013.82	1013.78	1013.74	1013.73	1013.74	1013.75	1013.82
	21	1013.75	1013.73	1013.68	1013.66	1013.61	1013.56	1013.54	1013.49	1013.46	1013.45	1013.44	1013.43	1013.56
	22	1013.42	1013.40	1013.40	1013.40	1013.38	1013.37	1013.36	1013.35	1013.35	1013.33	1013.30	1013.28	1013.36
23	1013.25	1013.21	1013.18	1013.14	1013.08	1013.02	1012.99	1012.97	1012.94	1012.91	1012.89	1012.86	1013.03	
26	0	1012.77	1012.73	1012.68	1012.66	1012.62	1012.58	1012.55	1012.52	1012.46	1012.42	1012.39	1012.35	1012.55
	1	1012.33	1012.29	1012.26	1012.23	1012.19	1012.17	1012.15	1012.12	1012.07	1012.01	1011.96	1011.90	1012.14
	2	1011.87	1011.81	1011.74	1011.67	1011.58	1011.51	1011.44	1011.34	1011.26	1011.21	1011.21	1011.24	1011.49
	3	1011.27	1011.27	1011.24	1011.24	1011.23	1011.20	1011.17	1011.13	1011.05	1010.96	1010.95	1010.97	1011.14
	4	1010.94	1010.86	1010.79	1010.74	1010.72	1010.68	1010.65	1010.62	1010.58	1010.56	1010.56	1010.59	1010.69
	5	1010.60	1010.60	1010.63	1010.66	1010.66	1010.64	1010.61	1010.58	1010.56	1010.55	1010.52	1010.44	1010.59
	6	1010.41	1010.44	1010.46	1010.47	1010.44	1010.43	1010.44	1010.43	1010.45	1010.50	1010.52	1010.50	1010.46
	7	1010.51	1010.54	1010.55	1010.53	1010.54	1010.56	1010.56	1010.54	1010.52	1010.52	1010.52	1010.52	1010.53
	8	1010.52	1010.52	1010.53	1010.47	1010.43	1010.42	1010.42	1010.41	1010.38	1010.37	1010.37	1010.39	1010.43
	9	1010.41	1010.41	1010.43	1010.48	1010.52	1010.52	1010.48	1010.45	1010.45	1010.43	1010.41	1010.38	1010.44
	10	1010.35	1010.37	1010.39	1010.39	1010.37	1010.32	1010.26	1010.17	1010.09	1010.00	1009.91	1009.85	1010.20
	11	1009.79	1009.76	1009.70	1009.65	1009.63	1009.59	1009.56	1009.53	1009.46	1009.40	1009.35	1009.31	1009.56
	12	1009.30	1009.24	1009.13	1009.02	1008.93	1008.86	1008.79	1008.70	1008.66	1008.65	1008.63	1008.58	1008.87
	13	1008.52	1008.50	1008.49	1008.45	1008.38	1008.32	1008.29	1008.29	1008.30	1008.33	1008.38	1008.39	1008.39
	14	1008.38	1008.36	1008.34	1008.33	1008.34	1008.38	1008.39	1008.39	1008.38	1008.35	1008.34	1008.34	1008.36
	15	1008.33	1008.33	1008.34	1008.34	1008.35	1008.35	1008.36	1008.36	1008.36	1008.34	1008.32	1008.30	1008.34
	16	1008.29	1008.25	1008.22	1008.20	1008.21	1008.24	1008.25	1008.26	1008.27	1008.29	1008.32	1008.31	1008.26
	17	1008.29	1008.28	1008.27	1008.31	1008.35	1008.38	1008.41	1008.45	1008.56	1008.68	1008.69	1008.68	1008.44
	18	1008.74	1008.82	1008.88	1008.90	1008.89	1008.85	1008.84	1008.88	1008.95	1009.03	1009.13	1009.21	1008.92
	19	1009.25	1009.32	1009.35	1009.34	1009.33	1009.31	1009.29	1009.28	1009.32	1009.34	1009.36	1009.42	1009.32
	20	1009.45	1009.49	1009.54	1009.57	1009.59	1009.60	1009.59	1009.58	1009.61	1009.64	1009.67	1009.68	1009.58
	21	1009.67	1009.66	1009.67	1009.69	1009.67	1009.62	1009.61	1009.61	1009.59	1009.58	1009.60	1009.66	1009.63
	22	1009.72	1009.75	1009.78	1009.79	1009.79	1009.82	1009.86	1009.89	1009.87	1009.84	1009.83	1009.85	1009.81
23	1009.87	1009.87	1009.86	1009.84	1009.82	1009.76	1009.68	1009.64	1009.60	1009.59	1009.57	1009.51	1009.71	

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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	1009.47	1009.45	1009.41	1009.39	1009.35	1009.30	1009.27	1009.24	1009.20	1009.14	1009.10	1009.08	1009.27
	1	1009.10	1009.10	1009.06	1009.06	1009.07	1009.06	1009.07	1009.08	1009.07	1009.04	1008.98	1008.92	1009.05
	2	1008.89	1008.85	1008.82	1008.78	1008.70	1008.66	1008.64	1008.62	1008.62	1008.63	1008.59	1008.53	1008.69
	3	1008.47	1008.43	1008.41	1008.39	1008.38	1008.36	1008.35	1008.36	1008.36	1008.36	1008.34	1008.32	1008.37
	4	1008.31	1008.27	1008.24	1008.23	1008.23	1008.20	1008.15	1008.10	1008.10	1008.13	1008.16	1008.15	1008.19
	5	1008.12	1008.11	1008.13	1008.16	1008.19	1008.22	1008.21	1008.19	1008.13	1008.09	1008.08	1008.06	1008.14
	6	1008.07	1008.06	1008.04	1008.04	1008.08	1008.14	1008.16	1008.13	1008.10	1008.06	1008.00	1007.97	1008.07
	7	1008.01	1008.06	1008.08	1008.08	1008.06	1008.04	1008.05	1008.06	1008.01	1007.99	1008.01	1008.01	1008.03
	8	1007.99	1007.99	1007.96	1007.92	1007.88	1007.86	1007.87	1007.88	1007.87	1007.88	1007.88	1007.86	1007.90
	9	1007.83	1007.81	1007.77	1007.77	1007.80	1007.81	1007.80	1007.82	1007.82	1007.78	1007.76	1007.73	1007.79
	10	1007.68	1007.63	1007.60	1007.55	1007.47	1007.40	1007.34	1007.28	1007.22	1007.17	1007.10	1007.02	1007.37
	11	1006.95	1006.87	1006.79	1006.69	1006.58	1006.50	1006.42	1006.33	1006.26	1006.22	1006.19	1006.15	1006.49
	12	1006.07	1006.02	1005.97	1005.89	1005.81	1005.74	1005.67	1005.60	1005.53	1005.44	1005.35	1005.29	1005.70
	13	1005.19	1005.09	1005.03	1004.95	1004.89	1004.83	1004.76	1004.73	1004.68	1004.63	1004.58	1004.53	1004.82
	14	1004.51	1004.50	1004.48	1004.42	1004.36	1004.30	1004.27	1004.25	1004.23	1004.18	1004.12	1004.11	1004.31
	15	1004.10	1004.09	1004.09	1004.09	1004.11	1004.14	1004.16	1004.17	1004.15	1004.11	1004.09	1004.10	1004.11
	16	1004.09	1004.05	1003.98	1003.94	1003.92	1003.90	1003.90	1003.89	1003.86	1003.80	1003.74	1003.72	1003.90
	17	1003.72	1003.73	1003.75	1003.77	1003.81	1003.82	1003.83	1003.84	1003.83	1003.82	1003.80	1003.78	1003.79
	18	1003.78	1003.78	1003.81	1003.86	1003.89	1003.93	1003.96	1003.98	1004.03	1004.08	1004.13	1004.16	1003.95
	19	1004.21	1004.27	1004.29	1004.29	1004.32	1004.38	1004.42	1004.46	1004.48	1004.51	1004.55	1004.58	1004.39
	20	1004.59	1004.61	1004.63	1004.61	1004.60	1004.57	1004.57	1004.61	1004.62	1004.60	1004.58	1004.57	1004.59
	21	1004.56	1004.56	1004.56	1004.54	1004.52	1004.51	1004.50	1004.50	1004.51	1004.51	1004.52	1004.54	1004.53
	22	1004.54	1004.54	1004.54	1004.51	1004.48	1004.45	1004.44	1004.44	1004.40	1004.37	1004.36	1004.33	1004.45
	23	1004.30	1004.31	1004.34	1004.32	1004.28	1004.25	1004.26	1004.23	1004.18	1004.15	1004.12	1004.04	1004.23
28	0	1003.96	1003.96	1003.94	1003.91	1003.89	1003.90	1003.91	1003.94	1003.93	1003.92	1003.92	1003.90	1003.92
	1	1003.92	1003.90	1003.87	1003.90	1003.96	1004.00	1004.06	1004.12	1004.14	1004.14	1004.12	1004.15	1004.02
	2	1004.16	1004.15	1004.18	1004.20	1004.18	1004.17	1004.16	1004.12	1004.10	1004.11	1004.16	1004.19	1004.15
	3	1004.20	1004.19	1004.18	1004.19	1004.15	1004.10	1004.08	1004.06	1004.07	1004.11	1004.11	1004.08	1004.12
	4	1004.07	1004.10	1004.13	1004.12	1004.11	1004.12	1004.13	1004.13	1004.17	1004.22	1004.26	1004.29	1004.15
	5	1004.31	1004.31	1004.27	1004.24	1004.24	1004.31	1004.40	1004.43	1004.45	1004.52	1004.64	1004.74	1004.40
	6	1004.83	1004.86	1004.85	1004.90	1004.96	1004.97	1004.98	1005.01	1005.07	1005.13	1005.16	1005.17	1004.99
	7	1005.17	1005.19	1005.20	1005.22	1005.25	1005.30	1005.33	1005.35	1005.38	1005.39	1005.40	1005.43	1005.30
	8	1005.48	1005.54	1005.57	1005.59	1005.64	1005.72	1005.80	1005.86	1005.93	1005.99	1006.04	1006.11	1005.77
	9	1006.13	1006.12	1006.15	1006.20	1006.26	1006.30	1006.33	1006.40	1006.49	1006.56	1006.61	1006.67	1006.35
	10	1006.70	1006.73	1006.78	1006.81	1006.79	1006.76	1006.76	1006.78	1006.82	1006.83	1006.82	1006.81	1006.78
	11	1006.82	1006.85	1006.89	1006.92	1006.95	1006.96	1006.97	1006.99	1007.01	1006.99	1006.96	1006.97	1006.94
	12	1006.99	1007.01	1007.02	1007.01	1007.01	1007.01	1007.02	1007.02	1007.03	1007.06	1007.11	1007.16	1007.04
	13	1007.19	1007.21	1007.23	1007.27	1007.31	1007.32	1007.34	1007.35	1007.37	1007.39	1007.40	1007.42	1007.31
	14	1007.44	1007.47	1007.50	1007.51	1007.54	1007.58	1007.60	1007.61	1007.62	1007.64	1007.68	1007.70	1007.57
	15	1007.71	1007.73	1007.76	1007.79	1007.82	1007.87	1007.92	1007.97	1008.02	1008.07	1008.14	1008.21	1007.91
	16	1008.28	1008.35	1008.41	1008.47	1008.54	1008.60	1008.67	1008.73	1008.79	1008.85	1008.90	1008.97	1008.63
	17	1009.02	1009.05	1009.09	1009.14	1009.20	1009.25	1009.28	1009.29	1009.30	1009.34	1009.39	1009.44	1009.23
	18	1009.49	1009.54	1009.58	1009.64	1009.70	1009.76	1009.82	1009.84	1009.85	1009.87	1009.87	1009.89	1009.74
	19	1009.92	1009.95	1009.99	1010.05	1010.13	1010.18	1010.19	1010.21	1010.26	1010.30	1010.34	1010.39	1010.16
	20	1010.44	1010.47	1010.49	1010.51	1010.54	1010.59	1010.69	1010.77	1010.79	1010.81	1010.83	1010.87	1010.65
	21	1010.93	1010.96	1010.99	1011.02	1011.04	1011.09	1011.16	1011.23	1011.28	1011.33	1011.39	1011.43	1011.15
	22	1011.47	1011.49	1011.50	1011.51	1011.51	1011.51	1011.54	1011.56	1011.58	1011.63	1011.68	1011.72	1011.56
	23	1011.71	1011.70	1011.71	1011.71	1011.72	1011.72	1011.73	1011.73	1011.73	1011.74	1011.72	1011.70	1011.72

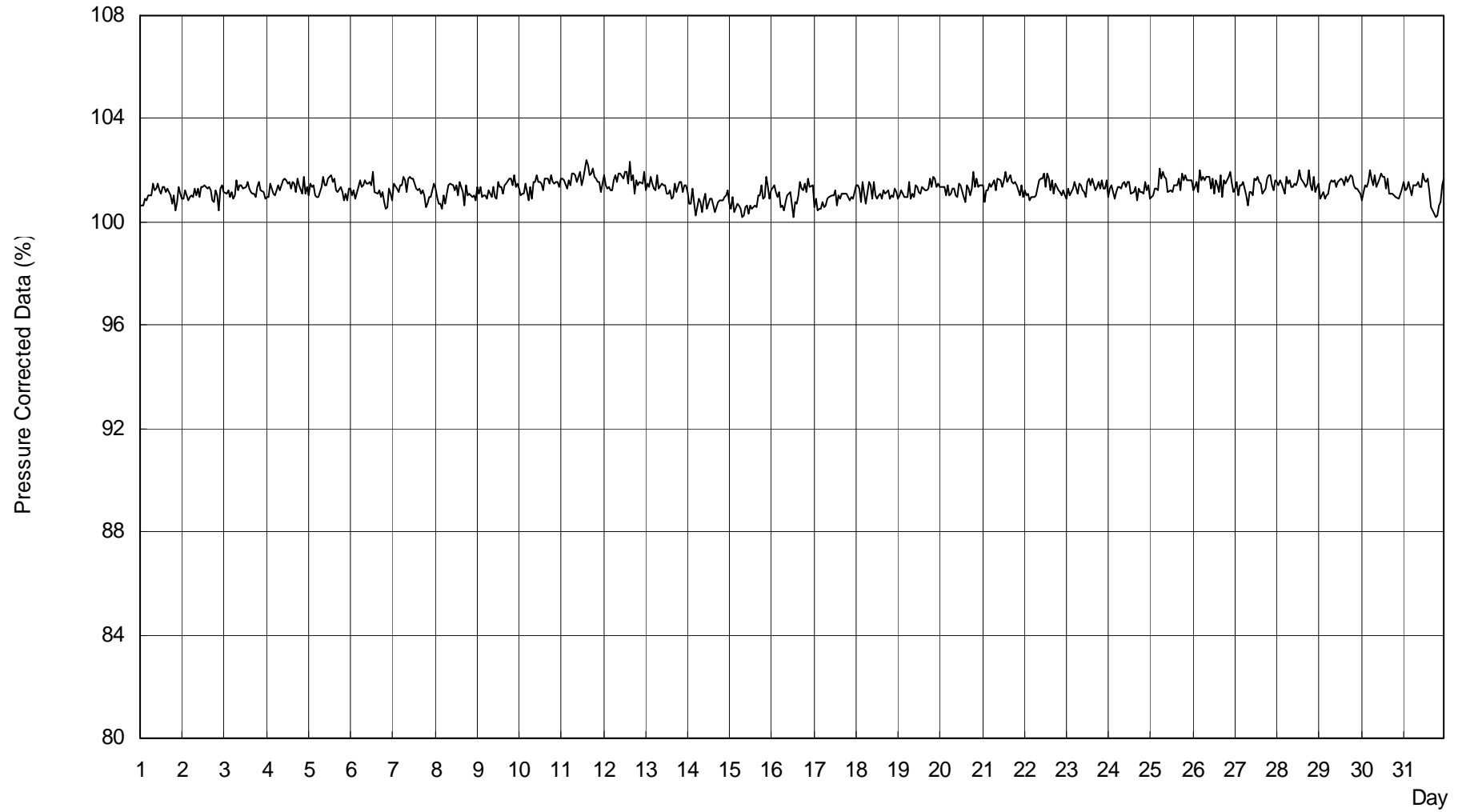
S.V.I.R.CO. Observatory - Pressure in hectoPascal – January 2011

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
29	0	1011.66	1011.68	1011.68	1011.67	1011.68	1011.69	1011.71	1011.72	1011.71	1011.71	1011.72	1011.69	1011.69
	1	1011.67	1011.69	1011.71	1011.74	1011.79	1011.82	1011.82	1011.81	1011.81	1011.83	1011.83	1011.79	1011.77
	2	1011.72	1011.70	1011.69	1011.69	1011.71	1011.74	1011.72	1011.69	1011.70	1011.68	1011.66	1011.67	1011.70
	3	1011.66	1011.65	1011.66	1011.67	1011.69	1011.68	1011.66	1011.62	1011.60	1011.61	1011.62	1011.64	1011.64
	4	1011.66	1011.70	1011.75	1011.81	1011.88	1011.90	1011.87	1011.84	1011.86	1011.89	1011.91	1011.90	1011.83
	5	1011.91	1011.96	1011.99	1012.02	1012.06	1012.06	1012.07	1012.09	1012.09	1012.11	1012.19	1012.24	1012.06
	6	1012.23	1012.25	1012.31	1012.36	1012.39	1012.38	1012.38	1012.45	1012.53	1012.57	1012.63	1012.68	1012.43
	7	1012.72	1012.77	1012.83	1012.87	1012.92	1012.95	1012.98	1013.04	1013.12	1013.22	1013.27	1013.30	1013.00
	8	1013.32	1013.32	1013.31	1013.33	1013.35	1013.39	1013.44	1013.44	1013.43	1013.44	1013.45	1013.48	1013.39
	9	1013.51	1013.51	1013.51	1013.53	1013.56	1013.60	1013.66	1013.76	1013.81	1013.79	1013.77	1013.73	1013.64
	10	1013.66	1013.60	1013.56	1013.51	1013.45	1013.40	1013.34	1013.27	1013.24	1013.23	1013.21	1013.17	1013.38
	11	1013.10	1012.98	1012.85	1012.78	1012.70	1012.63	1012.56	1012.44	1012.34	1012.24	1012.15	1012.10	1012.57
	12	1012.01	1011.90	1011.82	1011.77	1011.78	1011.76	1011.68	1011.62	1011.56	1011.49	1011.44	1011.42	1011.69
	13	1011.41	1011.40	1011.36	1011.32	1011.32	1011.29	1011.25	1011.19	1011.11	1011.08	1011.07	1011.08	1011.24
	14	1011.12	1011.13	1011.11	1011.06	1011.02	1011.04	1011.05	1011.04	1011.01	1010.97	1010.93	1010.89	1011.03
	15	1010.83	1010.79	1010.77	1010.77	1010.78	1010.76	1010.70	1010.62	1010.59	1010.59	1010.58	1010.57	1010.69
	16	1010.57	1010.55	1010.52	1010.51	1010.52	1010.51	1010.53	1010.59	1010.68	1010.74	1010.79	1010.84	1010.61
	17	1010.88	1010.95	1011.02	1011.03	1011.02	1011.04	1011.04	1011.05	1011.05	1011.03	1011.05	1011.07	1011.02
	18	1011.06	1011.05	1011.08	1011.10	1011.10	1011.09	1011.11	1011.17	1011.24	1011.27	1011.32	1011.37	1011.16
	19	1011.40	1011.43	1011.44	1011.45	1011.40	1011.36	1011.34	1011.33	1011.34	1011.34	1011.37	1011.36	1011.38
	20	1011.33	1011.32	1011.29	1011.30	1011.27	1011.18	1011.10	1011.05	1011.04	1011.06	1011.03	1011.00	1011.16
	21	1010.99	1010.97	1010.95	1010.88	1010.76	1010.70	1010.64	1010.58	1010.52	1010.51	1010.51	1010.45	1010.70
	22	1010.36	1010.29	1010.24	1010.17	1010.14	1010.18	1010.19	1010.18	1010.14	1010.07	1010.01	1009.92	1010.16
	23	1009.86	1009.86	1009.84	1009.84	1009.83	1009.83	1009.92	1010.07	1010.17	1010.29	1010.39	1010.47	1010.03
30	0	1010.49	1010.52	1010.43	1010.27	1010.17	1010.07	1009.83	1009.49	1009.34	1009.45	1009.59	1009.57	1009.91
	1	1009.49	1009.42	1009.37	1009.33	1009.32	1009.28	1009.19	1009.14	1009.13	1009.19	1009.20	1009.13	1009.26
	2	1009.09	1009.09	1009.05	1008.99	1008.99	1008.95	1008.83	1008.72	1008.67	1008.59	1008.49	1008.44	1008.82
	3	1008.46	1008.53	1008.57	1008.60	1008.65	1008.65	1008.58	1008.52	1008.45	1008.40	1008.39	1008.38	1008.51
	4	1008.39	1008.36	1008.36	1008.37	1008.38	1008.35	1008.35	1008.30	1008.29	1008.38	1008.46	1008.58	1008.38
	5	1008.57	1008.51	1008.56	1008.68	1008.73	1008.64	1008.64	1008.69	1008.71	1008.75	1008.82	1008.84	1008.68
	6	1008.82	1008.75	1008.68	1008.72	1008.75	1008.71	1008.75	1008.89	1009.01	1009.07	1009.11	1009.13	1008.86
	7	1009.12	1009.15	1009.17	1009.18	1009.23	1009.28	1009.31	1009.33	1009.31	1009.35	1009.45	1009.50	1009.28
	8	1009.54	1009.56	1009.58	1009.64	1009.69	1009.74	1009.76	1009.78	1009.83	1009.87	1009.87	1009.86	1009.72
	9	1009.86	1009.85	1009.84	1009.84	1009.86	1009.85	1009.85	1009.88	1009.90	1009.91	1009.93	1009.95	1009.88
	10	1009.96	1009.93	1009.87	1009.83	1009.77	1009.68	1009.62	1009.63	1009.65	1009.63	1009.59	1009.58	1009.73
	11	1009.61	1009.65	1009.65	1009.64	1009.61	1009.55	1009.54	1009.59	1009.62	1009.59	1009.50	1009.42	1009.58
	12	1009.37	1009.36	1009.36	1009.35	1009.34	1009.30	1009.28	1009.26	1009.22	1009.19	1009.20	1009.17	1009.28
	13	1009.14	1009.19	1009.27	1009.36	1009.39	1009.38	1009.36	1009.32	1009.33	1009.38	1009.40	1009.40	1009.32
	14	1009.36	1009.35	1009.38	1009.42	1009.45	1009.47	1009.46	1009.43	1009.41	1009.45	1009.54	1009.59	1009.44
	15	1009.58	1009.56	1009.56	1009.62	1009.67	1009.70	1009.75	1009.83	1009.88	1009.92	1009.94	1009.90	1009.74
	16	1009.87	1009.94	1010.04	1010.08	1010.11	1010.14	1010.19	1010.26	1010.35	1010.41	1010.45	1010.49	1010.19
	17	1010.50	1010.46	1010.44	1010.47	1010.54	1010.61	1010.65	1010.74	1010.83	1010.87	1010.85	1010.84	1010.65
	18	1010.86	1010.91	1010.94	1010.98	1011.04	1011.10	1011.16	1011.19	1011.25	1011.33	1011.40	1011.47	1011.13
	19	1011.50	1011.55	1011.62	1011.69	1011.69	1011.68	1011.70	1011.76	1011.86	1011.89	1011.92	1011.96	1011.73
	20	1011.95	1011.92	1011.93	1011.97	1012.02	1012.03	1012.01	1012.04	1012.09	1012.15	1012.20	1012.26	1012.05
	21	1012.29	1012.33	1012.39	1012.43	1012.44	1012.45	1012.46	1012.47	1012.47	1012.49	1012.50	1012.53	1012.44
	22	1012.58	1012.58	1012.57	1012.56	1012.57	1012.60	1012.59	1012.58	1012.60	1012.59	1012.58	1012.58	1012.58
	23	1012.60	1012.62	1012.66	1012.69	1012.70	1012.73	1012.77	1012.78	1012.75	1012.74	1012.73	1012.72	1012.70

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
31	0	1012.74	1012.76	1012.82	1012.84	1012.84	1012.87	1012.89	1012.88	1012.88	1012.90	1012.92	1012.96	1012.86
	1	1012.98	1012.98	1013.00	1013.05	1013.11	1013.16	1013.18	1013.19	1013.19	1013.19	1013.17	1013.14	1013.11
	2	1013.13	1013.11	1013.08	1013.08	1013.10	1013.10	1013.06	1013.03	1013.02	1013.02	1013.03	1013.03	1013.06
	3	1013.07	1013.11	1013.10	1013.08	1013.11	1013.13	1013.13	1013.13	1013.11	1013.12	1013.13	1013.13	1013.11
	4	1013.15	1013.16	1013.15	1013.19	1013.21	1013.19	1013.16	1013.16	1013.18	1013.19	1013.21	1013.23	1013.18
	5	1013.22	1013.21	1013.24	1013.31	1013.35	1013.37	1013.38	1013.41	1013.48	1013.54	1013.55	1013.53	1013.38
	6	1013.50	1013.51	1013.55	1013.58	1013.63	1013.68	1013.72	1013.75	1013.79	1013.83	1013.84	1013.86	1013.68
	7	1013.90	1013.94	1014.00	1014.04	1014.08	1014.13	1014.18	1014.24	1014.29	1014.34	1014.38	1014.41	1014.16
	8	1014.46	1014.50	1014.54	1014.60	1014.66	1014.72	1014.74	1014.74	1014.76	1014.79	1014.84	1014.88	1014.68
	9	1014.92	1014.98	1015.04	1015.08	1015.13	1015.19	1015.25	1015.30	1015.32	1015.30	1015.31	1015.31	1015.18
	10	1015.27	1015.26	1015.30	1015.33	1015.34	1015.33	1015.30	1015.25	1015.21	1015.17	1015.14	1015.13	1015.25
	11	1015.12	1015.10	1015.08	1015.05	1015.07	1015.07	1015.01	1014.98	1014.95	1014.89	1014.83	1014.80	1014.99
	12	1014.79	1014.76	1014.71	1014.64	1014.56	1014.49	1014.43	1014.41	1014.41	1014.43	1014.43	1014.39	1014.53
	13	1014.34	1014.31	1014.29	1014.28	1014.27	1014.26	1014.23	1014.17	1014.12	1014.10	1014.10	1014.11	1014.21
	14	1014.10	1014.07	1014.04	1014.01	1013.99	1014.01	1014.06	1014.12	1014.14	1014.15	1014.16	1014.16	1014.08
	15	1014.18	1014.18	1014.19	1014.22	1014.24	1014.29	1014.34	1014.38	1014.44	1014.49	1014.52	1014.56	1014.33
	16	1014.59	1014.58	1014.56	1014.53	1014.50	1014.52	1014.56	1014.55	1014.56	1014.62	1014.67	1014.70	1014.58
	17	1014.73	1014.77	1014.81	1014.83	1014.84	1014.86	1014.89	1014.94	1014.95	1014.93	1014.96	1015.01	1014.87
	18	1015.08	1015.16	1015.24	1015.31	1015.36	1015.41	1015.43	1015.42	1015.42	1015.45	1015.49	1015.55	1015.36
	19	1015.58	1015.61	1015.64	1015.66	1015.68	1015.72	1015.77	1015.79	1015.77	1015.78	1015.81	1015.84	1015.72
	20	1015.87	1015.92	1015.98	1015.99	1015.99	1016.00	1015.98	1015.97	1015.99	1016.01	1016.01	1016.01	1015.97
	21	1015.98	1015.93	1015.91	1015.91	1015.91	1015.91	1015.91	1015.93	1015.95	1015.98	1015.99	1016.01	1015.94
	22	1016.07	1016.11	1016.10	1016.08	1016.09	1016.10	1016.12	1016.13	1016.12	1016.05	1015.99	1015.97	1016.07
	23	1015.94	1015.93	1015.92	1015.94	1015.96	1015.87	1015.82	1015.87	1015.87	1015.95	1016.06	1016.01	1015.93

S.V.I.R.CO. Observatory - Pressure Corrected Data - January 2011



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