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SVIRCO Prompt Report: December 2011

Fabrizio Signoretti and Francesco Re

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ISTITUTO DI ASTROFISICA E PLANETOLOGIA SPAZIALI

AREA DI RICERCA ROMA - TOR VERGATA

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

SVIRCO Prompt Report: December 2011

Fabrizio Signoretti and Francesco Re

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Abstract

The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded in December 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/IAPS-UNIRomaTre collaboration) is housed in a reserved building provided with a double air-conditioning system. The inner temperature is permanently restrained in a range of 23°-26° C, meanwhile the relative humidity is kept below 57%. Either the environmental parameters are continuously checked and recorded by digital sensors.

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

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

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

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

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

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

DATA PRESENTATION

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

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

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

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

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

CONDITIONS FOR SVIRCO DATA USE

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

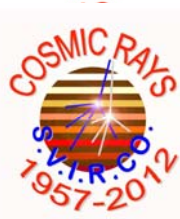
-You agree to acknowledge our financial supports in any published use of the data.

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

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

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

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S.V.I.R.CO. Observatory

Rome

Italy



INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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
1	0	46166	44971	45480	45461	46732	46142	45454	45670	45928	45973	45358	45659	99.484
	1	46028	46017	45954	46129	46182	46262	45805	46705	45693	45612	46048	46017	100.112
	2	44989	46194	46228	45842	45559	46126	45935	46098	45631	46095	46077	46247	99.853
	3	45894	46271	46911	46370	45961	46194	46640	46110	46574	46027	45980	46619	100.674
	4	46844	46126	45801	46682	45843	46179	46203	46912	46021	45770	46131	46508	100.577
	5	45463	45991	46683	45778	46104	46349	45817	46448	46029	46290	46409	47055	100.468
	6	46409	46625	45923	46626	46495	46467	46126	46371	46326	46700	47018	46140	100.977
	7	46131	46298	45871	46581	46030	46386	46610	46667	46100	46314	46474	46059	100.668
	8	45969	46532	46594	45868	46539	45899	46234	45958	46744	47156	46232	46778	100.846
	9	46581	46486	47009	46631	46250	46747	46468	47021	46625	46179	47108	46890	101.479
	10	46238	46396	46461	47045	46425	46101	46704	46328	46987	46485	46231	46335	101.070
	11	46223	46470	46941	46110	46595	46998	47185	47034	46836	46681	47200	47304	101.767
	12	46641	46876	46326	46675	46575	46764	46560	47365	46473	46546	46843	47006	101.598
	13	46197	46800	46661	45876	47001	46147	46641	46360	47046	46535	46388	46854	101.209
	14	46948	46262	46521	46956	46761	46057	47200	46801	46070	46696	47295	45937	101.390
	15	46843	46406	46206	46358	45846	46739	45780	46755	45876	46533	45716	46105	100.604
	16	45764	46033	45953	45956	46437	45615	46283	46336	46259	46248	45993	45448	100.090
	17	46365	45772	45682	46983	46118	45945	46279	45907	45772	46424	46391	46220	100.367
	18	46130	46244	46157	46413	46133	45911	44921	45626	46146	45790	46735	46083	100.083
	19	46316	45955	45876	45787	46196	45674	46561	47022	45586	45652	46392	45912	100.199
	20	46515	45861	46083	46215	46053	45941	46566	45882	46231	46460	45879	46133	100.360
	21	46194	45777	46045	46722	46193	46252	45906	45919	46064	45963	46156	45771	100.204
	22	46225	46337	45282	45952	45607	46056	45657	46085	46033	45972	46517	46213	100.019
	23	45823	46120	46294	46206	46129	45852	46295	45777	46004	46092	46117	46349	100.222
2	0	45565	45949	45957	46177	45624	46444	45736	45800	45748	46040	45900	46068	99.850
	1	46088	46119	46203	46000	45769	46876	46740	46259	46386	46300	46604	46011	100.638
	2	46594	46626	45661	46462	46616	45837	46466	46351	46133	46084	46428	45594	100.547
	3	46609	46369	46413	45443	46475	46549	46511	46130	45785	46922	46089	45642	100.563
	4	46405	46128	46379	45664	46664	45737	46733	46332	47214	46762	46319	46033	100.822
	5	46158	46534	45941	45977	46330	45927	45914	45888	46070	45627	45934	45916	100.069
	6	46401	46051	46160	45629	46218	45738	46248	46161	46161	46429	45553	46518	100.260
	7	46403	46654	46789	46249	46343	45888	46100	46421	46162	46345	46972	45805	100.779
	8	46814	46090	46564	46674	46190	45810	46195	46580	46580	46347	46132	46306	100.806
	9	46426	46393	45814	46445	46381	46298	46420	46597	46426	46061	45812	46358	100.652
	10	46689	46147	46078	46358	46222	46084	45809	46217	46479	46661	46239	46291	100.624
	11	45965	46774	46262	46977	45657	46431	46538	46270	46058	45920	46601	46815	100.804
	12	46681	46645	46159	46530	46087	46289	46399	46930	45701	46721	46142	46239	100.849
	13	46139	46203	46127	46731	46319	47211	45900	46522	45994	46613	45884	46010	100.692
	14	46827	46371	46000	46660	46311	45916	45967	46203	45960	46159	46308	45994	100.515
	15	46265	46158	46012	45854	45677	46415	46064	45994	45994	45996	46137	45988	100.131
	16	46828	45833	46021	46044	46531	46223	45881	46254	45921	46290	45732	45829	100.281
	17	46363	45782	46127	46172	46285	45740	46158	46060	45975	45711	45760	45864	100.030
	18	45919	45359	45452	45390	45836	45451	45610	46225	45829	46054	46109	46369	99.596
	19	46346	45652	46092	46487	46226	46078	46349	45581	45879	45697	45882	46058	100.090
	20	46307	46060	46271	45433	46045	45949	45843	45667	45872	45705	45903	46278	99.910
	21	45875	45942	45938	46050	46132	46383	45708	46023	47002	45823	46676	45917	100.296
	22	46009	45989	45487	46638	47151	45116	46271	46081	46286	46077	45760	45901	100.169
	23	45382	45892	45733	46243	45839	45819	46532	47069	46329	46024	45672	45825	100.096

INAF/UNIromaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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	46291	45383	45795	46254	45493	45772	45791	46495	45764	46326	46151	46009	99.945
	1	45896	46094	45367	45696	45872	45794	46392	46182	45988	45519	46024	45851	99.790
	2	45942	45803	45472	46162	45586	45692	45929	46364	45316	45390	45575	45718	99.477
	3	45801	45785	45384	46358	46334	46161	45559	45375	45935	45974	46048	46422	99.874
	4	45670	45480	45735	46034	46160	45931	46017	45242	45801	45320	46199	45361	99.478
	5	45645	45988	45575	45851	45643	45957	45627	46304	45496	45850	46020	45917	99.645
	6	45802	45216	46076	45540	45952	45695	45649	46129	45882	46003	45808	45885	99.602
	7	45705	45741	45702	45861	45955	45963	46053	46035	45600	46000	45757	45853	99.709
	8	45973	46404	45950	45871	46136	46270	46424	46377	46095	45683	45989	46083	100.258
	9	46113	45827	45925	46494	46072	46176	46121	46282	46616	46548	46162	46402	100.527
	10	46229	46622	46334	46064	46773	46521	46416	46074	46518	46318	46181	46374	100.832
	11	46624	47154	46069	46034	46712	46619	46583	46122	46198	46463	46161	46526	100.984
	12	46400	46058	46336	46394	46184	46573	46706	46747	46263	47595	46805	46782	101.271
	13	46772	46284	46491	47039	46808	46247	46367	46594	47174	46383	46916	46211	101.350
	14	46258	46349	46821	45776	46425	46034	46209	46473	46683	45915	46406	46307	100.693
	15	45724	46429	45926	46614	46473	45603	45647	46563	46093	45934	46154	46046	100.249
	16	46394	46193	45756	45926	46537	45734	46072	46035	46137	46523	46609	46243	100.421
	17	46407	46340	46783	45987	45560	45909	45991	46452	45373	46913	45644	45707	100.223
	18	46665	46104	46126	46915	45873	46343	46164	46298	45925	45913	46304	45637	100.441
	19	45994	45705	45389	46074	46060	46224	46034	46487	46068	46095	46228	46360	100.161
	20	46455	45985	46330	46336	46042	46154	45631	46413	45238	45992	46214	46206	100.211
	21	46242	46114	45684	45759	45704	46016	45835	45845	45497	46523	46048	46226	99.938
	22	46318	45896	45853	45492	45543	46382	45933	46140	45721	45885	46341	46318	99.998
	23	46554	45378	45595	46044	45024	45656	46309	45780	45567	46081	45377	45633	99.486
4	0	45678	45145	45584	45728	45487	46168	45726	45574	45988	45518	46146	45523	99.350
	1	45945	45880	45854	45928	45800	45792	46238	45904	46045	45291	45957	46013	99.785
	2	46560	45897	45926	46299	46287	46485	45490	46127	45452	46241	45268	45689	99.979
	3	46190	45854	45927	46179	46260	46175	45757	46361	46519	45880	45771	45895	100.170
	4	46293	45799	45425	45341	45701	45512	45536	46088	46008	45653	45574	46137	99.499
	5	45776	46301	46508	45678	45537	45784	45550	46843	46222	46085	46247	45855	100.100
	6	45932	46145	46038	46042	46414	46417	45890	45580	45976	45752	45444	45563	99.884
	7	46041	46291	46206	45689	46026	46221	46184	45374	46027	46316	45485	45807	99.970
	8	46006	45780	46063	46772	46184	45983	45466	45872	46295	46299	46461	45992	100.243
	9	46062	45960	46117	45414	45897	45683	46182	46576	45974	46770	46491	46701	100.362
	10	46271	45864	46071	46226	45893	45625	46360	46775	45833	46147	46592	46471	100.417
	11	46431	45288	46095	46002	46478	46293	46688	45754	45839	46481	46391	45841	100.317
	12	46436	46294	46116	45841	46470	46881	46148	46070	45581	45685	46207	45821	100.311
	13	46634	46905	46000	46111	46030	46722	45746	46924	46050	46182	46272	46826	100.828
	14	46542	45890	46461	46228	45912	45873	46128	46756	46500	46364	46260	45793	100.521
	15	46609	46003	46478	46737	46122	45860	45976	45867	46246	46138	46286	46360	100.516
	16	45927	46214	46188	46554	46507	46623	46275	45593	46441	46428	45867	46732	100.637
	17	46185	45990	45765	45919	46456	45838	45745	46311	46240	45741	46114	45753	100.041
	18	46439	46406	46022	46110	45881	45338	46023	45929	45652	45922	45340	45948	99.851
	19	45686	45794	45367	46050	45486	45634	46105	45826	45837	45581	46399	45425	99.521
	20	45874	45789	45884	46041	45910	45262	45724	45778	45588	45755	45706	45699	99.488
	21	45922	45665	46195	45984	45739	45408	45850	46065	45644	46064	45298	46071	99.651
	22	45124	45848	46080	45529	45599	45596	45429	45679	45751	45407	45759	46003	99.270
	23	45865	45964	46188	46270	45870	45671	46062	45641	45300	46206	45454	45459	99.658

INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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	45920	45682	45808	45209	46092	46162	45503	45647	45910	46144	45834	46288	99.702	
	1	46770	45315	46175	46206	45391	45951	46008	45279	46130	45993	46147	45193	99.769	
	2	46119	46088	45960	46052	46176	45801	45402	45197	45591	45271	45414	45449	99.399	
	3	45158	45696	45254	45698	46068	46053	46308	46160	46042	45935	45851	46165	99.738	
	4	45977	46068	45814	45819	45614	45046	46280	45473	46327	45744	46121	46348	99.782	
	5	45690	46220	45744	45953	46445	46446	46192	46062	46152	46265	46161	45920	100.257	
	6	45698	45946	45548	45818	45941	45627	45980	46107	45745	45836	46127	46397	99.808	
	7	46663	45402	46195	45721	46188	46340	46213	46343	46363	46165	46559	46529	100.516	
	8	46081	45758	46181	45915	46246	46602	46004	46230	46236	46295	46137	45676	100.277	
	9	46803	45661	45633	46001	45805	45747	45690	46182	45590	45976	46410	46524	100.035	
	10	45609	46208	46017	45834	45440	45790	45892	45804	46049	46516	46468	46515	100.057	
	11	45998	45688	45706	45862	45534	45824	46231	46084	46851	46238	46051	46246	100.088	
	12	46309	46484	46405	46503	45994	46563	46332	46878	46418	46490	45726	45886	100.753	
	13	46176	46195	46458	46493	46727	46034	46042	46600	46720	46432	46208	46604	100.880	
	14	45845	46407	46106	45904	46076	46421	46008	46231	45860	46540	46060	46069	100.307	
	15	45941	45957	45803	46274	46005	46130	46913	46121	46310	46301	46162	46560	100.479	
	16	46575	45918	46013	45794	45836	46388	46275	45628	45844	46006	46251	45911	100.109	
	17	46523	45936	45804	45701	45497	46310	45889	45457	45877	46137	46097	45692	99.835	
	18	45514	45603	46661	45678	46083	46431	45716	45858	46289	46211	45809	45541	99.921	
	19	45838	46023	45723	46403	46276	45666	45782	45851	45747	46382	45588	46037	99.907	
	20	46034	45737	46576	45731	46218	45560	45922	46120	45936	45865	45147	45999	99.821	
	21	46191	45722	46635	45736	45726	46204	46496	46014	46572	46450	46159	46470	100.460	
	22	45769	45952	45769	45295	45596	46161	45701	45633	45515	45934	45808	45505	99.421	
	23	45424	45932	45598	45640	45676	46616	45631	46368	45641	45814	44844	45417	99.415	
6	0	45770	46255	46187	45736	45500	45417	45323	45910	45900	45649	45780	45375	99.448	
	1	45398	46394	46377	45677	46137	45772	45589	45051	46058	45519	46085	46327	99.737	
	2	46145	45279	45610	46116	44982	45729	46164	46007	45555	45747	46021	45779	99.511	
	3	46015	45589	45946	46597	45543	45268	45676	45112	46170	45909	45567	45766	99.516	
	4	45830	45597	45866	45450	45705	45760	45643	45829	45919	45169	46206	46109	99.502	
	5	45865	46057	46065	46089	45296	46067	45814	45783	45662	45846	45818	45817	99.701	
	6	45687	46025	46398	45774	45583	45648	45506	45839	45547	45414	46196	45987	99.596	
	7	46576	45862	46319	45985	45677	46036	45860	45671	45650	45759	46453	46128	100.026	
	8	45955	45986	45755	46196	45751	45625	46087	46005	46338	45807	46025	46310	100.001	
	9	46249	46142	46683	45813	46809	45896	45659	45973	46106	45821	45854	46233	100.254	
	10	46049	45661	46669	46303	45794	45603	46620	45841	46262	46359	46234	46372	100.351	
	11	46357	46180	46358	46330	46181	46288	46465	46009	46408	45889	45794	45607	100.368	
	12	46694	45382	46368	46246	46214	46577	47076	45764	45720	46047	46337	45705	100.416	
	13	46006	45938	45971	45991	46642	46848	45784	45940	45906	45983	46264	45926	100.248	
	14	46327	46070	46019	46209	46551	46329	45776	45832	46142	46034	46068	46662	100.396	
	15	45991	45932	46429	46473	46310	46306	46853	46463	45545	46338	46150	46385	100.606	
	16	46224	45909	46446	45417	45861	46541	45839	46287	46967	46538	45965	46204	100.428	
	17	46031	45774	46370	46529	45907	46630	46113	46478	46203	46721	46316	46334	100.648	
	18	46609	46343	46185	46004	46059	46877	46310	46267	46121	46399	45908	46315	100.646	
	19	46019	46152	46275	46582	45957	45902	46300	45249	46449	46368	46427	45810	100.300	
	20	46293	46089	46146	45791	45745	46272	46265	45511	45970	46179	46347	45670	100.081	
	21	45847	45916	45712	46276	45918	45886	46191	46064	45887	45756	46126	46183	99.987	
	22	45779	45683	46328	46379	46236	45979	45742	45475	45832	45629	45854	45784	99.795	
	23	46137	46083	46086	46515	46021	45997	46282	46176	45966	45574	45998	45514	100.093	

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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	45676	46459	46456	45379	45601	46071	45755	45720	45999	46098	45974	45854	99.876
	1	45497	45456	45906	46034	45865	46059	45435	45206	45247	46248	46222	46084	99.533
	2	45358	45816	45805	45548	46362	45788	45542	45521	45609	45560	45669	45702	99.356
	3	46507	46386	45924	45826	45792	45809	45619	45833	45613	46375	46007	45842	99.946
	4	46209	45789	45944	45554	46314	46124	46219	45829	45687	45189	45261	46201	99.726
	5	45337	46394	46306	45495	46500	45968	46322	45985	45428	46233	44998	46538	99.941
	6	46288	45469	45810	45910	45740	46312	45644	46312	46047	45793	46156	45662	99.875
	7	46552	45597	45864	45874	46015	45273	46168	46616	46387	45635	45665	46760	100.104
	8	45878	46635	46142	45782	45685	46466	45824	46305	46335	46166	46143	45803	100.242
	9	46312	45801	46142	46615	46457	45740	46149	45948	46399	45935	46131	46052	100.335
	10	46144	46639	46472	46381	46852	46431	45675	45632	46707	46404	46394	46345	100.769
	11	46683	46319	46126	45670	45819	46624	46576	46370	45831	45996	46343	46043	100.465
	12	45544	46485	46723	46266	46080	46397	46306	46620	46067	46067	45916	46644	100.594
	13	45540	46354	46332	46138	45584	46092	45735	46203	45821	46167	45617	45659	99.893
	14	46352	46128	46640	46109	46204	45897	45986	45930	46148	45429	46002	46322	100.238
	15	46465	45628	46062	45524	46139	46047	46424	46534	46601	45789	46268	46210	100.336
	16	45942	46420	46242	46406	46196	46033	46025	45939	45864	45877	46110	46150	100.248
	17	45797	45749	45979	46196	45869	46193	46302	45934	46304	46339	45967	45792	100.107
	18	46274	46893	45842	45917	46031	46385	46028	46285	46276	46549	45663	46115	100.439
	19	45599	45967	46073	46485	45821	46041	45348	46222	46002	46112	46211	45682	99.951
	20	46258	45793	45268	45594	45974	46464	46086	46473	45887	46518	46288	45854	100.113
	21	46411	46280	45671	45569	45960	45838	45761	46536	45347	45643	45509	46032	99.769
	22	46445	45969	46169	45657	45434	45291	46182	45996	45545	45265	45586	45254	99.449
	23	46035	45681	45734	46544	45754	45308	45901	45415	46072	45861	45204	45791	99.541
8	0	45369	45703	45729	45613	45833	45698	45306	45484	45705	45800	45021	46307	99.218
	1	45810	45613	45467	46092	45875	46264	45310	45563	45292	45844	46355	45579	99.498
	2	45798	45701	45684	45342	45514	45861	45868	45922	45755	45181	45869	45770	99.353
	3	45937	45142	45278	45925	46099	45160	45426	45924	45914	46033	45667	45683	99.339
	4	45853	45221	45320	45951	46074	46148	45369	45835	45408	45870	46046	45538	99.420
	5	45788	46398	46487	45858	46219	45843	46118	46422	46235	45686	45977	46018	100.221
	6	46248	45392	45598	45663	45690	45624	46300	46373	45738	45750	46205	45691	99.717
	7	46365	45743	46392	45803	46476	46071	45815	46158	45661	45863	46177	46412	100.200
	8	45933	45891	45999	45246	46324	45405	46049	46453	45964	45933	45914	46253	99.915
	9	46328	46049	45994	46040	46705	45618	46530	45488	46232	46149	46196	45585	100.196
	10	45724	45837	46490	46445	46216	46415	46085	46066	46167	46442	46137	45883	100.376
	11	46533	45903	46221	46032	46298	45660	45919	46307	46202	45225	46431	46415	100.238
	12	46723	46449	46566	46305	46099	46491	46456	46221	46571	46633	45470	46260	100.799
	13	45869	45554	45730	46308	46160	45464	46186	46147	45524	46305	45919	46496	99.969
	14	45993	45924	46727	45993	46272	46686	46084	46204	46348	45898	45693	46270	100.410
	15	46200	45678	46113	46453	46005	46036	46269	46749	46114	46133	46559	46197	100.484
	16	46143	46247	46379	46254	46049	46453	46268	46234	46286	46170	46553	46030	100.586
	17	46188	46633	46621	46060	46451	46419	46964	46692	46063	46216	46731	46296	100.997
	18	46235	46231	46512	45881	47013	46594	46208	45896	46153	46367	46140	46072	100.629
	19	46932	45361	45218	46311	46421	46820	46283	45966	45692	45727	45912	45993	100.146
	20	46112	46708	45745	46159	45746	46218	46050	46021	46246	46653	45659	45724	100.219
	21	46300	46078	45308	46060	45083	45901	45860	46632	46131	46443	45685	45896	99.917
	22	46107	45469	46456	46089	46143	45650	45792	45491	45443	45966	45383	45577	99.590
	23	45768	46599	45148	46288	45474	46043	46421	46059	46252	45907	46164	45738	100.005

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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	45707	45816	45833	46034	46337	45694	45936	45832	46499	45286	45838	45974	99.811	
	1	46227	45870	45725	45717	45590	45419	45782	45847	46256	46122	45718	45959	99.710	
	2	45777	45765	46025	45534	45712	45531	45649	45906	45189	46217	45759	45504	99.408	
	3	45768	46197	46239	46170	46376	46137	45335	45994	46034	46028	46265	45987	100.127	
	4	45751	46252	45715	45415	45760	45882	45356	46055	45556	45859	45736	45907	99.531	
	5	45774	46024	45670	46131	45988	45968	45766	46189	46028	46105	46035	45501	99.882	
	6	46120	46170	45908	45987	45557	46075	45456	46146	45512	45565	45378	45846	99.617	
	7	45492	46134	46234	45761	45712	45950	45975	46217	46164	46100	45695	46531	100.024	
	8	45630	45823	45798	45199	46290	46138	45416	45733	45679	45874	46768	45603	99.659	
	9	46133	46073	46508	46413	46149	46072	45937	46827	46227	45716	46158	45606	100.359	
	10	45495	46709	46392	46439	46424	45902	46035	45749	46276	46437	46121	46386	100.459	
	11	46644	46375	45953	46354	46381	46568	46666	45890	46237	46240	45778	46314	100.646	
	12	45901	46108	46188	46509	45657	46453	45979	45962	45753	46445	46325	46306	100.318	
	13	46235	46102	45777	45858	45828	46073	46412	46383	46422	45936	46504	46350	100.371	
	14	46613	47010	46053	46759	46851	46652	46064	46144	46645	45782	46224	45932	100.887	
	15	46925	46370	45800	46210	45690	45701	46239	45963	46305	46373	45900	47062	100.490	
	16	45980	46213	46683	46318	46284	46002	46480	45598	45557	45971	46289	46483	100.367	
	17	46077	46394	46712	45608	46219	45982	45995	45934	45653	46258	46571	46278	100.335	
	18	46343	46280	46505	46212	46668	46422	46414	46494	45930	46375	46054	46915	100.866	
	19	46029	46020	45535	46503	45901	46071	45560	46205	46233	45977	45980	45898	100.014	
	20	45972	46282	46301	46503	46246	45504	45577	46216	46244	46372	45628	45782	100.143	
	21	45968	45693	46355	45708	46501	45409	45732	46500	45791	45921	45912	45942	99.927	
	22	45673	46175	46091	46255	45919	46012	45493	46214	46078	46334	46384	46171	100.175	
	23	45544	45624	45978	45621	45928	45483	46122	45535	45807	45522	46244	45562	99.481	
10	0	45974	45963	45667	46055	45183	46576	45631	45576	46184	46125	45662	46815	99.924	
	1	45960	46041	46242	46559	46043	46168	46361	46154	45838	45389	45846	45785	100.100	
	2	46432	45945	45646	45624	45246	45750	45743	45636	45823	46430	45854	46238	99.734	
	3	45756	45961	46049	45145	45447	46347	45359	46311	46223	46150	46369	45674	99.812	
	4	45697	46406	45790	45859	46404	45940	46011	46340	45528	45696	45911	45905	99.938	
	5	45707	46092	46606	45665	45787	45786	45541	46107	46385	46241	45630	45906	99.931	
	6	45731	45873	45920	45432	45497	46029	45746	45547	45988	46370	45964	45762	99.642	
	7	46275	46133	46025	46164	46048	45857	46044	45588	46205	45748	46577	45581	100.075	
	8	46396	46099	45805	46186	45329	45733	46036	46201	46196	46973	46383	46479	100.359	
	9	46466	45990	46699	46472	46606	46422	46087	46305	45996	46419	46121	45983	100.676	
	10	46429	46074	46761	45948	46214	46633	46219	46490	46295	46160	46492	46837	100.855	
	11	46547	46282	46299	46069	46445	46233	46809	46564	46674	45925	46384	46318	100.854	
	12	46556	46326	46359	46033	46598	46737	46155	46205	46470	46243	46220	46473	100.823	
	13	46134	47213	45998	46575	46674	46403	46168	46752	46260	45793	46244	46601	100.903	
	14	46296	46539	46312	46385	45558	46309	45439	46312	46322	45832	45940	46353	100.320	
	15	46086	45883	46460	46124	45941	46482	46100	46910	46448	46450	45801	45906	100.500	
	16	46969	45980	46310	46049	46300	46448	46502	46661	46110	46147	46369	46404	100.800	
	17	45686	45880	45829	45834	46529	46181	45781	46160	46507	45920	46502	46420	100.253	
	18	46359	45988	45745	45948	46039	46026	45713	45376	45865	45927	46192	46241	99.925	
	19	46582	46132	46207	45545	46086	46114	46366	45612	46357	46080	46208	45931	100.251	
	20	45947	45920	46057	46920	46269	45807	46179	46190	45958	45975	46532	45792	100.310	
	21	46019	46343	46181	46338	46758	46316	46401	46644	46470	46122	46801	46179	100.859	
	22	45920	46042	46287	46129	45886	46441	45661	47033	45754	46632	46084	46040	100.376	
	23	45913	46546	45755	46011	46460	45964	45759	46209	45780	45859	45954	46568	100.171	

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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
11	0	45675	46384	45540	46049	45960	45849	45755	45831	46185	45774	46450	46116	99.955
	1	46060	46286	46133	46369	46407	45877	45643	46015	45274	46273	45894	46484	100.160
	2	45386	45770	46533	46181	45748	45958	45559	46117	46620	45819	46315	45791	99.994
	3	46490	46186	45543	45954	46533	45834	45732	45794	46059	46197	46011	46195	100.126
	4	46502	46606	46347	45853	45637	46056	45781	46327	45875	46459	45891	46429	100.350
	5	45816	46104	46381	46034	46305	45909	46325	46126	46441	46071	45992	45850	100.276
	6	45744	46257	46174	45638	45946	46897	46471	45134	46306	45277	45596	46441	100.009
	7	46430	45732	46459	46086	46410	46545	46073	46542	45550	46215	46154	45967	100.422
	8	46470	46300	46180	46503	46559	46241	46494	46050	46000	46724	46487	46357	100.821
	9	45662	46745	45782	46012	46330	45646	45592	45910	46159	46145	45963	46218	100.060
	10	46452	45838	46579	46247	45589	46176	45821	46019	46117	45897	46232	46300	100.260
	11	46213	45939	45348	46481	46240	45895	46129	46209	46060	46256	45856	45986	100.141
	12	46021	46363	46578	46117	46620	46627	46411	46421	46090	46577	45933	47113	100.913
	13	46176	46306	45736	46361	45864	46397	46073	46241	46435	46046	45893	45979	100.303
	14	46579	46251	45794	46146	46062	46854	46281	46593	46296	46469	46471	45979	100.714
	15	45797	45657	45724	46146	45769	45924	46244	46077	45806	46032	45648	46096	99.834
	16	46488	45762	46123	45966	46571	45628	46286	46078	46191	46067	46317	46068	100.310
	17	45805	46220	46379	46471	46051	46595	45859	46133	46351	46111	45690	46305	100.387
	18	46245	46413	46965	45323	45803	46180	46311	46404	46453	45903	45821	45875	100.338
	19	46339	46298	46103	45687	45753	46405	46166	45519	46260	46233	45736	45859	100.095
	20	45837	46269	45806	46021	46157	45833	46172	45814	46090	46115	46074	45490	99.972
	21	45831	46273	45933	45716	46152	45915	45845	45470	45927	46391	45974	46210	99.965
	22	46033	46291	46630	46506	45833	46374	46491	46670	46002	46047	45919	46346	100.600
	23	45974	46240	45526	45523	46111	46185	46048	45245	46544	46145	45900	46096	99.947
12	0	46375	46121	46354	45927	46407	45503	45953	46040	45898	46232	46209	45687	100.155
	1	46513	46363	46520	46397	45850	46142	46769	46468	46070	45086	46313	45981	100.478
	2	46382	46601	45945	46314	45639	45879	46218	45538	45638	45998	45428	46098	99.972
	3	45601	46133	46368	46092	45234	45967	45894	45753	46343	46090	45924	45786	99.883
	4	45990	46050	45702	46408	46374	46411	45815	45674	46345	46003	46721	45413	100.195
	5	46531	45870	46352	45944	46375	46097	45308	46301	45781	45327	45794	45910	99.956
	6	45830	45467	45966	45966	46251	45683	45889	45736	46419	45587	46113	45688	99.776
	7	45640	46752	45920	45747	46046	45700	45733	46134	46142	45899	45453	46098	99.897
	8	46383	45990	45464	45616	46245	45327	46517	45478	45726	45957	45903	46121	99.800
	9	45588	45614	46423	45863	46312	45748	45432	45393	46011	45773	45986	45866	99.669
	10	46675	46639	46080	45529	46015	46332	46472	46233	46036	46297	45909	45376	100.319
	11	46194	46166	45971	46339	46060	46270	45727	46152	45472	45608	46719	45860	100.128
	12	45658	46148	45604	46217	45778	46091	46163	46540	46146	46015	46419	46055	100.182
	13	46174	46184	45944	45660	45610	45695	45796	46191	46115	45280	45761	46660	99.861
	14	46074	45897	46651	46281	46346	46137	46499	46270	45778	45715	45733	46533	100.377
	15	46476	46108	45843	46014	46468	46023	45509	46317	45120	45979	46484	45856	100.066
	16	46412	45988	46907	45766	46687	45701	45968	46158	45780	46568	46140	45477	100.311
	17	46491	46410	46049	46303	45432	46014	46270	45825	46302	45508	46189	46479	100.261
	18	46239	46018	46195	46504	46825	45908	46651	46203	45957	46346	46481	46320	100.691
	19	46032	46662	46381	45851	46431	46344	46164	45963	46258	45863	46621	46221	100.536
	20	46420	45698	46103	45884	45954	45852	45827	46405	46077	46639	46483	46200	100.310
	21	46063	45858	46328	46508	45903	45842	46152	45950	46257	46064	46474	46465	100.368
	22	46183	46869	46211	46385	45505	46483	46592	45883	46243	46194	46378	46869	100.718
	23	46010	46389	46633	46026	46866	46079	46478	45744	46646	45956	45694	45661	100.425

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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	
13	0	45978	46309	45925	46017	45290	46283	46244	46320	46032	46448	47098	46396	100.459	
	1	45875	46630	46712	46577	45886	46625	46295	45924	46215	45824	46394	46499	100.657	
	2	46221	46465	45899	46304	46378	46760	46002	46299	46441	45495	45889	46899	100.583	
	3	46312	46241	46259	45863	46963	46129	46416	46243	46544	46508	46603	46614	100.881	
	4	46024	46381	46310	46498	45727	47003	45974	46243	46155	46196	46506	45999	100.577	
	5	46599	46213	45619	46290	46173	45829	46092	46493	45918	45756	45571	46147	100.157	
	6	46103	45771	45954	46026	46483	45698	46111	46292	46078	46029	45966	45544	100.041	
	7	46278	46386	45876	46512	45653	45994	46090	45290	46278	46780	45976	46084	100.247	
	8	46797	45690	46396	46316	46062	45344	46444	46421	46634	46009	45844	46412	100.460	
	9	46510	46592	45778	46184	45593	45628	46312	45651	46403	46138	45937	45819	100.129	
	10	45996	46944	45814	46572	46503	46160	46734	46130	46662	46330	46225	46125	100.791	
	11	46276	46618	45455	46452	46679	46432	46495	46119	46737	46456	46530	46086	100.816	
	12	46510	46343	46272	46382	46567	46697	46243	45633	46515	45821	46510	46321	100.721	
	13	46174	46463	46215	45939	45888	46359	45810	46327	46581	46588	46168	46721	100.616	
	14	46148	46029	46291	46065	46417	46916	46069	46621	46432	46688	46582	46634	100.917	
	15	46632	46504	45895	46182	45555	46125	46319	46413	45556	46266	46362	45930	100.345	
	16	45968	46018	46205	45951	46713	46851	46384	46288	46224	46249	45875	46473	100.610	
	17	46102	46317	46524	45964	46086	46217	46432	46491	46480	46087	45554	46692	100.564	
	18	46331	45812	46407	46528	46273	46634	46319	46596	46367	46128	46634	46504	100.851	
	19	45856	46645	45885	46443	46256	47011	46159	46774	46294	46544	46450	45525	100.727	
	20	46004	46086	46617	46586	45573	46281	46314	46585	46267	45971	46058	46233	100.497	
	21	46398	45617	46005	46028	46239	46200	45707	46311	46295	46540	46342	46168	100.365	
	22	46244	45819	45809	46252	46143	46154	46558	45636	45842	45817	46701	46680	100.330	
	23	46087	46098	45714	45766	46088	45892	46004	46066	46548	45599	46312	46259	100.109	
14	0	46300	46332	45818	46503	46183	45841	46919	46018	46933	46316	45561	45970	100.512	
	1	46159	46101	45355	45989	46577	46017	45750	46017	46375	46107	45865	45927	100.073	
	2	45832	45794	46140	46274	46567	46721	46554	46209	45967	46476	45718	46320	100.497	
	3	46265	46300	46062	46536	46808	45934	46267	46105	46400	46057	46386	45889	100.575	
	4	46279	46477	46568	46337	46872	45976	45956	46232	45824	46360	46272	46646	100.719	
	5	46676	46521	46400	45890	46491	45842	46236	46200	46347	46203	46359	46067	100.616	
	6	46320	46107	46551	45393	45551	45880	46615	46779	45916	46266	46071	46327	100.352	
	7	46663	46248	46005	46716	45804	46175	46173	46423	46474	46001	46600	46189	100.659	
	8	46233	45952	45964	46104	46228	45892	45825	45737	45284	46333	46794	46546	100.192	
	9	45960	46072	46079	46275	46247	46432	46174	46131	46635	46091	45837	45900	100.362	
	10	46481	46273	46488	46155	46761	46314	46866	46126	46196	46317	45658	46417	100.765	
	11	46087	46148	46759	46150	45833	46844	46400	45997	46560	47000	45844	45785	100.648	
	12	46219	46553	46179	46385	46618	45817	46359	46550	47386	46028	46113	46566	100.895	
	13	46057	45655	46180	46502	46356	46021	45736	46364	46728	46116	46592	45487	100.355	
	14	45800	46435	46299	45739	46121	46391	46105	46588	46389	46546	46086	46522	100.578	
	15	45978	45691	46231	46327	46293	46110	45608	45765	45968	46199	45824	46790	100.172	
	16	45839	46178	45881	46182	46184	46177	45772	45899	46053	46335	46342	46345	100.245	
	17	46148	46151	46831	46005	45738	46566	46460	45933	46107	46677	46552	46648	100.722	
	18	46125	46138	46088	45743	46845	46035	46683	46446	46817	46081	46258	46185	100.654	
	19	45946	45911	46035	46058	46660	45863	46004	47125	45918	46372	46267	45412	100.315	
	20	46274	45977	46259	46008	46011	46601	46679	46496	46627	46377	45818	45810	100.562	
	21	46815	45840	46343	46401	45940	46268	46520	46364	46183	45983	46051	46249	100.566	
	22	45946	45915	46245	46282	46129	47327	45781	46121	45810	46203	46352	46364	100.479	
	23	46307	46518	46409	46438	46589	46259	46561	47226	46609	46265	46102	46433	101.066	

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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
15	0	46034	46686	46415	46267	46270	46302	46298	46478	46875	45964	45757	46586	100.742
	1	46197	46514	46394	46474	46136	46068	46107	46224	45938	46451	46510	46074	100.590
	2	46321	46212	46444	46271	45739	46571	46097	46255	46464	46090	46023	46600	100.590
	3	47190	46129	46253	46311	46254	46471	45935	45764	46783	46353	46177	46017	100.689
	4	46595	46014	46018	46107	46081	46473	47071	46237	46030	46452	46203	46157	100.653
	5	46144	46459	46069	46254	45614	45872	46166	46537	46489	46059	46309	46520	100.482
	6	46065	46326	46214	46138	45813	46478	46312	46495	46412	46406	46624	46465	100.709
	7	46179	46133	46486	45909	45946	46672	46278	46700	46747	46419	46510	46120	100.773
	8	46696	46281	46758	46865	46307	45847	46384	45893	46357	46939	46235	46523	100.952
	9	46830	46343	46227	46492	46210	46041	46278	46475	46396	46443	46753	46260	100.891
	10	45900	46130	46263	46251	46340	46118	46503	46309	46938	45948	46225	46829	100.711
	11	45786	46592	46021	46637	45766	46464	47189	46183	46091	47125	46279	46591	100.887
	12	46414	47037	46206	46329	46582	46615	46139	46487	46261	46873	46117	46072	100.960
	13	45814	46557	46825	45958	45676	46332	45750	46470	46464	46239	46732	46613	100.653
	14	46085	45908	46233	46654	46681	46892	46598	46317	46634	46212	46188	46738	100.962
	15	46407	46352	46214	46312	46621	46122	46194	46139	46603	46600	45832	46445	100.726
	16	45991	46774	46268	46116	46240	46816	46935	46454	46755	46604	46441	46689	101.132
	17	46220	46649	46241	45959	45723	46311	46561	46648	46014	46840	46304	46834	100.811
	18	46815	46133	46734	46739	46308	46269	46747	46392	46112	46164	46051	46442	100.920
	19	46460	46564	46611	46737	46612	47001	46328	46339	46080	45972	46488	46703	101.098
	20	47545	46663	47253	46568	46229	46545	46382	46843	46431	47080	46645	46703	101.641
	21	46087	46806	46288	46622	46489	46468	46714	46755	47105	46687	46605	45840	101.202
	22	46315	46580	46393	46399	46096	46375	46376	46218	46193	46159	46121	45984	100.612
	23	46431	46318	46261	47118	46363	46917	46176	46899	46715	46550	46104	45872	101.068
16	0	45977	46180	46856	46350	45929	46514	45871	46098	46275	46105	46014	46286	100.475
	1	46287	46513	46980	46323	46777	46557	46361	46358	46806	45864	46438	46643	101.100
	2	45987	46235	46243	46010	46900	46162	46381	45994	45899	46769	45301	46551	100.471
	3	46721	46522	46855	46272	46128	45925	46267	46693	46739	46009	46310	46205	100.872
	4	46088	46231	45986	46623	46022	46438	46593	45937	46110	46658	46542	46270	100.665
	5	46720	46822	45737	46762	45953	46460	46729	46414	45805	46536	46874	45931	100.890
	6	46336	46283	46573	45490	46101	46377	46129	45809	46229	46195	46458	45890	100.369
	7	46420	46363	45897	46565	46492	46223	46487	46460	46025	45873	46210	46398	100.649
	8	46688	46566	46508	46847	46882	46592	45949	46710	46682	46762	46237	46627	101.308
	9	46432	46442	46408	46703	46855	46211	46663	46758	46786	46899	46423	45810	101.188
	10	46470	46463	46396	46766	46974	47359	46848	46891	46156	46694	47070	46801	101.642
	11	46478	46165	47097	46654	46283	46216	46332	46037	46377	45926	46140	46724	100.833
	12	46432	46647	46743	46648	46910	45982	46458	46386	45796	46865	46533	46826	101.159
	13	46863	46127	46141	46754	46684	46072	45765	46030	46581	46815	45862	46906	100.864
	14	47070	46268	46989	46739	47167	47181	46125	46369	46272	47194	46362	46383	101.501
	15	46732	46129	46615	46421	46871	46595	46335	46901	46880	46761	46215	46822	101.350
	16	46379	46770	46708	46475	47043	46742	46786	46830	46932	46360	46551	46704	101.532
	17	46281	46708	46626	46951	46676	46481	46412	46035	46125	46374	46198	46117	100.933
	18	46706	46758	46522	46669	46045	46217	46682	45896	46750	46626	46687	46038	101.044
	19	46599	46592	46395	46218	47058	46664	46470	46336	45900	46300	46871	46439	101.089
	20	46405	46456	46623	45393	46759	46291	46744	46624	46546	46305	46824	46539	101.030
	21	46953	46785	46514	46699	46464	46542	46678	46204	46370	46453	46570	46468	101.244
	22	46903	46193	46580	46464	46616	46201	46036	46625	46285	46615	46816	46701	101.124
	23	47090	46756	46238	46392	46282	46456	47034	46495	47180	46075	46720	46397	101.320

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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	46665	46631	46302	46947	46313	46127	45991	45954	46403	46254	46741	46267	100.870	
	1	46331	46264	46885	46626	46291	46317	46872	45935	46648	46061	47381	45697	100.992	
	2	46429	46654	46204	46440	46071	46484	46171	46615	46520	46240	46529	46114	100.841	
	3	46897	46805	46271	46240	46625	46576	46212	46726	46876	46311	47081	46729	101.362	
	4	46300	46209	45861	46260	46093	46683	46511	45995	46233	46290	46565	46988	100.753	
	5	46601	46544	46821	46306	46523	47026	45835	46747	45794	46220	46524	46270	100.975	
	6	46282	46299	46505	46346	47017	46803	46804	46595	46787	46867	46349	46887	101.397	
	7	46892	46261	46402	46742	46514	46653	46201	46038	46573	46162	46653	46740	101.089	
	8	46262	46779	46753	46772	46653	46743	46419	46084	46731	46928	46537	46544	101.336	
	9	46791	46542	46390	46852	46119	46369	46678	46723	47009	46209	46871	46963	101.392	
	10	47154	46587	45973	46835	46085	46907	46066	46578	46658	46145	46388	46702	101.132	
	11	46307	46382	46086	46530	46714	47189	47317	47562	46830	46360	47014	46079	101.547	
	12	46886	47521	46981	46967	46877	46443	46526	46865	46593	46108	46964	46629	101.729	
	13	46684	46982	46756	46509	45969	46739	46727	46621	46187	46752	46297	46607	101.268	
	14	47239	46618	46636	46939	46767	46784	46103	47119	46943	47084	47046	47242	101.937	
	15	46939	46547	46699	46586	46840	46947	46585	46420	46601	46880	46536	47267	101.633	
	16	46796	45975	46568	46628	46867	47355	46509	46493	46627	46737	46817	46757	101.503	
	17	46336	46569	46881	46171	46896	46779	46760	46985	46872	47165	46811	46908	101.685	
	18	47134	46532	47274	47029	46425	46676	47162	47117	46719	47517	46919	46308	101.989	
	19	47030	46989	46196	47323	47126	46601	47496	46737	46763	46166	46468	46751	101.779	
	20	46707	46704	47175	46889	46761	46530	47231	46795	47124	46579	46974	47051	101.936	
	21	46993	46726	46820	46738	46651	46711	46257	47095	46752	46447	46698	47148	101.668	
	22	46285	46373	46595	46333	46888	46531	46553	46465	46427	46544	46638	46921	101.218	
	23	46485	47033	46827	46267	47113	46788	46895	46704	46678	46216	46880	46086	101.475	
18	0	46616	46406	46398	46210	46644	46661	46854	46259	46464	46259	46562	46416	101.068	
	1	46158	46258	46828	45772	46635	46361	46448	46368	46046	46131	46530	46219	100.711	
	2	46068	46226	46231	46276	45994	46349	46315	46363	46695	46929	46591	46516	100.856	
	3	46393	46905	46211	46499	46394	46592	46361	46818	46191	46527	46946	46585	101.194	
	4	46918	45820	46717	47176	45860	46403	46394	47001	45673	46911	47227	46327	101.195	
	5	46573	46619	46591	46830	46604	46183	47484	46977	46605	47103	46690	46621	101.639	
	6	46577	46906	47419	46595	46267	46669	46725	46189	46623	46919	46595	46158	101.416	
	7	46592	46451	46172	46519	46399	46470	46693	46659	46854	46959	46377	46821	101.293	
	8	47328	46656	46672	46181	46632	46211	47213	46722	46324	46583	46823	46986	101.540	
	9	47209	46513	46225	46825	46830	46645	46519	46742	46615	46702	46034	47041	101.462	
	10	46250	45888	46691	46867	46972	47069	46204	46535	46779	46777	45933	46673	101.234	
	11	46831	46733	46280	47104	46695	46595	46600	46750	46543	46864	46455	46619	101.493	
	12	46656	46961	46643	46585	46888	46373	46580	46552	46641	46719	46706	46535	101.451	
	13	47280	47516	46598	46830	47185	46984	46599	46945	46795	46100	46777	46842	101.924	
	14	46213	46728	47136	46601	46209	46212	45858	46556	46433	46653	46319	46452	101.004	
	15	46316	46412	46321	45967	46425	46996	46803	46429	46413	46900	47074	46883	101.287	
	16	46553	47115	46974	46213	46179	46720	46392	47149	46538	46584	46406	46331	101.327	
	17	46304	46541	46893	46414	46986	46927	46510	46660	46463	46446	46931	46171	101.343	
	18	45834	46815	47207	47160	46625	46508	46727	47498	46297	47237	46496	47011	101.736	
	19	46501	46235	46403	46929	46562	46831	45847	47083	46681	46250	46972	46388	101.241	
	20	46612	46326	46137	46542	46683	46972	46107	46666	46093	46773	46662	46257	101.086	
	21	46929	46074	45899	46398	45960	47254	46216	46841	46448	46633	46477	46792	101.103	
	22	46633	46459	46623	46186	46458	46856	46754	45933	46579	46214	46314	46016	100.940	
	23	46235	46392	46308	46175	46373	46105	46316	46204	46389	46466	46671	46123	100.711	

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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	46229	46772	46385	46508	46210	46661	46088	46176	46443	47026	45613	46260	100.821
	1	46470	46498	46079	46142	46644	46402	46655	46529	46158	46639	46257	46255	100.887
	2	45731	45821	46516	46908	46663	45932	46691	46557	46052	47046	45903	46109	100.742
	3	45965	46695	46997	45677	46387	46525	46440	46053	45900	46131	46319	46404	100.663
	4	46221	46385	46647	46030	46461	46346	46688	46795	46592	46467	46630	46609	101.094
	5	46180	46635	46001	46416	46449	46357	46246	46967	45961	46901	46241	46148	100.846
	6	46193	45609	46430	46948	46565	46365	46805	46239	46275	47086	46744	46316	101.040
	7	46983	45907	45778	46497	46760	46424	46130	46325	46909	46322	46664	46824	101.031
	8	45973	46283	46648	46063	46465	46681	46021	46622	46569	45766	46571	46991	100.873
	9	46060	46878	46432	46418	46532	45949	46325	46289	46023	46657	46560	46752	100.914
	10	46768	45998	46777	46712	46321	46540	46652	45831	46138	46262	46450	46735	100.970
	11	46690	46957	46110	46152	46458	46648	45862	46635	46855	46430	46511	46876	101.151
	12	46037	46637	46807	46686	46274	46291	46584	46983	46758	46999	46494	46505	101.309
	13	47134	47403	46305	46980	46252	46729	47137	46191	46912	45866	46265	46255	101.377
	14	46328	46725	45520	46645	46861	46554	45738	46744	46809	46147	46629	46561	100.983
	15	46656	46717	46882	46506	46462	45993	47387	46955	46826	46426	46655	46819	101.531
	16	46394	47118	46778	46131	46760	46606	46542	46439	46728	46768	46826	47372	101.563
	17	46508	46783	46330	47094	47030	46343	46273	46563	46485	46146	46753	47015	101.357
	18	46905	46868	46562	46718	46955	46521	46513	45984	46676	46109	47002	46470	101.350
	19	46163	46723	47107	46367	47043	46808	45993	46800	46244	46735	46499	46019	101.209
	20	46488	46616	46935	46504	46537	46417	46168	46084	46805	46582	46744	46243	101.140
	21	46309	46337	46627	46094	46681	46393	46266	45566	46484	46334	45890	46306	100.626
	22	45896	46137	46328	46890	46053	46502	45812	46146	46016	46424	46512	46289	100.575
	23	46526	45966	46312	46088	46530	46571	46406	46062	46750	46164	46260	46536	100.786
20	0	46296	46729	45987	46487	46631	46287	46354	45730	45970	46208	46262	45964	100.559
	1	45881	46468	46670	46082	46435	46212	45929	46841	45459	46554	46465	46207	100.611
	2	46322	46384	46260	46069	46469	45883	46214	46135	46416	46469	46359	46376	100.638
	3	46752	46155	46163	46667	46728	46773	46666	46300	46403	46942	46158	45682	101.007
	4	46443	46380	46143	46627	46342	46145	46473	46316	46433	46572	46512	46020	100.829
	5	46504	46439	45686	46550	46268	46547	46344	46272	45967	46501	46189	46933	100.791
	6	46298	46720	45871	46707	45424	46639	46313	45999	46614	46321	45961	46877	100.709
	7	46836	45669	46283	46018	46788	46288	46161	45684	45886	46239	46351	46624	100.542
	8	46293	46604	46494	46275	46425	46232	46428	46988	46050	46551	46897	45989	100.977
	9	46711	46624	46631	46472	46249	45800	46459	46014	45726	46756	45578	46375	100.645
	10	46587	47018	46653	46212	46673	46911	46092	46501	46879	46328	46361	46867	101.314
	11	47152	46341	46545	46572	45773	46093	46443	46366	47035	46121	46839	46677	101.110
	12	46082	46102	46203	46881	46288	46859	46369	46608	46966	46419	46286	46272	100.997
	13	46656	46549	47116	46719	47309	47149	45976	46741	46761	46542	46595	46841	101.652
	14	46933	47049	46785	46784	45929	46308	47454	46747	47457	46745	46867	47218	101.893
	15	47076	46294	46489	46602	46003	46647	46380	45635	47559	47052	46135	47002	101.276
	16	47226	46086	46240	46347	46368	46925	47344	46520	46497	46728	46521	46568	101.366
	17	45894	46205	46729	46789	46412	46415	46699	46243	46396	46496	46624	46397	100.990
	18	45664	46623	46226	46460	47318	46788	46560	46282	46506	46475	46846	46060	101.083
	19	45929	46577	46749	46473	45986	46582	46625	45997	46218	46023	46332	46994	100.843
	20	46655	45808	46251	46490	46241	46203	46497	46778	47102	46515	46238	46835	101.048
	21	46599	46571	46489	45868	45545	46138	45797	45808	46350	46297	45934	46682	100.407
	22	45792	45593	46081	46636	45514	45981	46968	45957	45978	46484	45818	46381	100.245
	23	46163	46248	46731	46029	46098	45577	45727	45480	46647	45708	46239	46852	100.302

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	h-norm
21	0	46173	46170	46162	45972	45664	46241	46856	46422	46061	46021	45916	46417	100.405
	1	46242	46467	45816	46256	46141	45753	46041	46557	46298	45691	46094	46880	100.435
	2	46601	46073	46592	46186	45709	46207	46205	46167	46937	46801	45969	46209	100.693
	3	46531	46567	46461	46724	46208	46189	45841	46349	45914	46350	46150	46177	100.658
	4	46353	46183	47294	45934	47149	46492	46051	46883	46292	46613	46411	46328	101.114
	5	45890	45850	46425	46032	46599	46563	45917	46234	45723	45650	46436	46263	100.317
	6	46138	46425	46341	45968	46131	46541	46149	46205	46644	46391	46466	46308	100.702
	7	46804	45886	46810	46831	46042	46209	46097	46106	46260	46694	45706	46792	100.798
	8	46041	45717	46460	46243	46703	46407	46321	46370	46883	45988	46500	47232	100.912
	9	46226	46865	46637	46249	46090	46484	46170	46175	46526	46734	46390	46303	100.909
	10	46264	46194	46458	46425	46089	46484	45944	46467	46327	46739	46508	45650	100.673
	11	46929	45834	46163	46236	46717	45759	45972	46543	45914	46443	46395	45809	100.522
	12	46487	46498	46511	45969	46487	46652	46960	46400	46180	46332	46112	46426	100.939
	13	46658	45985	46161	46320	45881	47191	46149	46376	46278	46370	46596	46003	100.749
	14	46348	46297	46164	46432	46262	46701	46004	46570	46556	46747	46384	45934	100.827
	15	47086	45919	46521	45741	46130	46319	46291	45749	45987	45897	46255	46426	100.450
	16	46500	46189	46681	46478	46362	46317	46087	46112	46493	46005	46696	46605	100.850
	17	46318	45734	46468	46261	46181	45914	46513	45971	45752	45961	46144	46605	100.360
	18	46485	46318	46535	45993	45992	45704	45787	46297	46762	46722	46827	45915	100.635
	19	46043	46416	46534	46172	46334	46166	45836	46116	46392	46647	46428	46572	100.693
	20	46214	46526	45777	46382	45953	46879	46386	45306	47174	46164	46587	46026	100.641
	21	46138	45757	46076	46615	46589	46819	46108	46190	45825	45902	45707	46402	100.416
	22	46564	46224	46657	46234	45789	46822	46389	46514	46119	46948	46249	45830	100.816
	23	46094	46722	45919	45778	46692	45918	46568	46107	45743	45557	45951	46405	100.294
22	0	45445	46422	45568	46243	45983	46354	46274	46023	45615	46266	46239	46402	100.187
	1	46252	46172	46288	46117	45969	46090	46781	46491	45887	46395	46546	46307	100.627
	2	46171	46184	45963	46086	46372	45520	45959	46528	45236	46183	46097	46693	100.210
	3	46363	45959	46328	45830	46359	46052	46339	45595	45868	45999	46458	45504	100.149
	4	45592	46687	45498	45954	45802	46171	45964	46328	45473	47084	46220	45882	100.149
	5	45887	46236	46753	46450	46118	45862	46539	46944	45938	46752	46152	46633	100.803
	6	46289	46178	46803	45852	46483	46740	46113	46232	46321	46191	45942	46357	100.665
	7	46812	46216	45823	46437	46742	46543	45950	46274	46694	46202	46043	45764	100.666
	8	46867	45548	46363	46246	46749	46576	46329	46484	46074	46523	46093	45954	100.720
	9	46419	45658	46052	46367	46349	46269	46418	45611	47163	46715	46882	46165	100.767
	10	46263	46602	46386	46450	47080	46383	46641	46183	46578	46658	46337	47179	101.252
	11	46179	46252	45789	45926	46105	46621	46473	46000	45897	46286	46023	47211	100.531
	12	46651	46643	46093	45864	46410	46781	46541	46485	46497	46575	46553	46271	101.002
	13	45760	46282	45848	46645	45890	46756	47313	46742	46382	46091	46303	46844	100.910
	14	46846	46576	46679	46956	46047	46609	46367	46304	45320	46073	46228	46222	100.797
	15	46040	46896	46699	46624	46654	46526	46342	46561	46119	46368	46181	46626	101.052
	16	46330	46671	46167	46840	46521	46846	46481	46242	46535	46104	46640	46037	101.011
	17	46518	45922	46429	45899	46775	45964	46523	45809	46445	46763	46303	46322	100.695
	18	46987	46125	46338	46030	46540	47288	46794	46849	45608	46198	46269	46311	100.998
	19	46054	45655	46083	46562	46018	45993	45931	46450	46284	46501	46143	46411	100.408
	20	46821	46251	46882	46056	46086	45877	46594	46128	46334	46268	46007	46075	100.643
	21	46401	45905	46457	46450	46274	45473	46408	47019	45860	45958	46477	46057	100.526
	22	45731	46170	46192	46392	46049	46320	45993	46633	45513	46447	46320	46196	100.385
	23	45935	46247	46320	46796	45545	46485	46444	46345	46071	45973	45511	46484	100.421

INAF/UNIromaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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
23	0	45706	46129	46813	46344	46488	46303	46026	45931	46376	46250	45707	45896	100.389
	1	46555	46216	46233	46153	45809	45219	45249	46078	45678	46611	46349	46118	100.079
	2	46241	45973	46175	45472	46208	46024	46230	46554	45971	45369	46383	45410	100.032
	3	45834	45794	45990	46405	46045	45700	46223	46064	46418	46804	45948	45885	100.231
	4	45936	45815	45672	45758	45823	45764	45946	45782	45502	46044	46213	46595	99.822
	5	45728	45831	46084	46171	46213	46154	46264	45803	46257	46465	46487	46145	100.320
	6	46085	45839	46053	46010	46720	46415	46033	46281	46362	46005	46557	46417	100.533
	7	45850	45890	46154	46465	46437	45880	46024	46536	46291	46195	46442	45984	100.420
	8	45677	46910	45983	47112	46152	46595	46027	45547	46293	45944	46289	46040	100.496
	9	46467	46003	46247	46379	46138	45761	46309	45957	46042	46056	46717	46157	100.435
	10	46167	46620	46576	46738	46637	46120	46430	46088	46375	46111	46135	46972	100.930
	11	45955	46352	46220	46993	46156	46530	46282	46936	46688	46154	46143	46371	100.897
	12	46623	46194	45691	46062	45894	46316	45491	46260	46325	46603	46338	45904	100.338
	13	46082	46382	46267	46515	46452	45540	46332	46024	46627	45678	45996	46654	100.493
	14	46092	46311	46241	45864	46653	46493	46525	46850	46708	46557	46218	45787	100.809
	15	46271	46464	46427	46098	46618	46192	46474	45702	46225	46479	46514	46167	100.688
	16	46746	45786	46739	45946	46127	46848	46509	46395	46704	46204	46221	46314	100.852
	17	46393	46631	46335	46582	46607	46277	46180	46770	46073	46636	46228	46086	100.900
	18	46453	46475	46388	46224	45823	46866	46867	46680	46244	47022	46633	46949	101.231
	19	46294	46233	47091	46646	45863	46547	45514	46496	46295	47435	46493	46269	100.968
	20	46174	46546	46798	46438	46125	45759	45779	46008	46120	46294	45940	46688	100.514
	21	46477	46139	45823	46136	45598	46822	46525	46026	46243	46368	45728	45921	100.358
	22	46496	46581	46127	46237	46029	46433	46253	45664	45912	46253	46255	46350	100.499
	23	45969	46342	45861	45817	46587	46265	46364	46407	46603	45604	46111	45771	100.339
24	0	45793	45553	45980	46492	45893	45703	46356	45999	45101	45419	46011	45474	99.624
	1	46583	45993	45685	46851	46080	46770	46008	46129	46274	45735	45966	46347	100.469
	2	46730	46320	46585	46136	46096	46131	46054	46262	46002	46352	46505	45674	100.546
	3	46581	46468	46501	46382	45947	46609	46535	46020	46231	45708	46410	45768	100.603
	4	46126	46653	46364	46609	45918	46103	46228	46432	46536	46383	46723	46139	100.794
	5	46512	45885	45856	45743	46288	46410	46179	45930	46095	46246	46439	45685	100.260
	6	46731	46631	46692	46436	46366	46168	46416	46505	46184	46165	46018	46906	100.976
	7	46227	45960	45788	46013	46428	45365	46302	45952	46637	46381	45577	46438	100.224
	8	46425	46283	45900	45901	46721	46232	45755	46127	46211	46151	45758	46657	100.415
	9	45886	46390	46163	46210	46467	46064	46638	46195	46873	45854	46175	45275	100.427
	10	45564	46055	46918	46293	46649	47094	46342	45968	46273	46786	47089	46304	100.998
	11	46038	46834	46110	46400	46533	46355	46041	45709	46198	46246	46698	46538	100.701
	12	46497	46676	46536	46687	46201	46196	46572	45938	46552	46058	46255	46527	100.881
	13	46289	46001	46289	46117	46034	46437	45925	46948	46711	46528	45871	46387	100.671
	14	46526	46334	46577	46741	46834	46174	46449	46489	46775	46879	47006	46564	101.362
	15	46086	46367	46324	46230	47043	46249	46523	46320	46439	46322	46201	46042	100.781
	16	46767	46605	46508	47070	46123	46324	46464	46031	46469	46607	46043	46301	100.993
	17	45450	46501	46321	46270	46931	46290	46402	46583	46232	45412	45702	46117	100.430
	18	45771	46112	46588	46070	46053	46602	46387	45784	45950	45952	46694	46123	100.408
	19	46420	45782	46406	46648	46313	46346	46044	46361	45853	46307	45860	46866	100.612
	20	46845	46362	46214	46375	46455	46008	45926	46466	46298	45905	46104	46678	100.689
	21	46469	46304	45909	46391	46607	46053	46704	46426	46228	46119	45824	46212	100.619
	22	45972	46800	45807	46075	45770	46553	46557	45938	46172	46402	46307	46824	100.606
	23	46535	46032	46762	46191	46935	46141	46284	46368	46440	46585	45987	46520	100.896

INAF/UNIRomaTre				S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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	
25	0	45763	46371	46576	46011	46194	46374	46341	46375	46685	46451	46831	46147	100.785	
	1	45916	46137	46352	46667	46326	46081	46247	46031	46683	46378	46508	46455	100.715	
	2	46356	46314	45992	45966	46101	46800	47065	46191	46995	47181	46386	46798	101.143	
	3	45992	46233	46937	46218	45861	46238	46760	46453	47010	46342	46111	46385	100.853	
	4	46012	46401	46630	46983	46116	47064	45338	46063	46395	46080	46632	46244	100.748	
	5	45808	45789	46130	46293	46151	46486	46165	46503	45903	46416	46329	46334	100.448	
	6	45992	46355	46898	46790	46304	46353	46512	46458	45789	46452	45999	46129	100.761	
	7	46027	46207	45973	46106	46231	46025	46442	46124	46957	46337	46280	46663	100.640	
	8	46130	45950	46405	46730	45974	46407	46846	45752	46438	46034	46798	46240	100.701	
	9	46533	46119	46639	46156	46171	46108	45844	45839	45822	46607	45856	46116	100.359	
	10	45974	45890	46439	46134	45996	45932	46605	46443	46497	45989	45774	45915	100.318	
	11	45923	45633	46325	45825	46404	46833	45950	46155	45992	46382	45627	46480	100.308	
	12	45918	45728	46252	46316	46094	46205	46301	45637	45896	46114	46327	45621	100.104	
	13	46364	46157	45658	45964	45943	46366	46107	45935	46102	46525	46027	46216	100.278	
	14	45782	46763	45926	45971	46420	46462	46403	46675	46515	46752	46569	46492	100.887	
	15	46487	46571	46305	45970	45993	46430	46421	46173	45736	46780	46213	46680	100.711	
	16	46176	46282	46424	46622	45761	46526	46389	46874	46811	46439	45816	46494	100.867	
	17	45784	46862	47178	46472	46421	46699	46304	46338	46327	46868	45639	46927	101.085	
	18	46811	46836	46215	46949	46317	46801	46352	47269	46263	46013	46401	46580	101.264	
	19	46205	46492	46390	46412	46180	46179	46811	47053	45764	46097	46110	46269	100.749	
	20	46605	46297	46610	47059	46642	46143	46840	46120	46333	46725	46579	46284	101.161	
	21	46730	45810	46301	46580	46575	46719	46306	46042	46251	46520	47065	46291	100.971	
	22	45799	46527	46830	45885	46593	46331	45901	46427	46584	46722	47216	47237	101.126	
	23	45993	46626	45955	46323	47076	46045	46258	46286	46963	47201	46001	45954	100.879	
26	0	46067	45759	46138	46921	45903	46469	46175	46174	46360	46535	46708	46139	100.643	
	1	46794	46077	45984	46390	45507	46392	45726	45895	46289	46706	46368	46556	100.517	
	2	47371	46599	46457	46344	46608	46429	46127	46695	46435	46589	45714	46353	101.067	
	3	46995	46654	46522	46672	46352	46660	45995	46551	45765	46247	46763	46310	101.025	
	4	46776	46685	46474	46337	46943	46771	46490	45764	46158	45997	46250	46258	100.919	
	5	45760	46401	46742	46513	47290	46199	46132	46451	46721	46433	46755	46578	101.113	
	6	46139	45746	46473	46686	46951	46497	47188	46965	46857	46034	46131	47000	101.238	
	7	46758	46490	46402	46855	46861	46798	46242	46168	46620	47239	46527	46692	101.417	
	8	46793	46390	46502	46697	46632	47169	47230	46101	46501	47296	46533	46556	101.552	
	9	46447	46521	45955	45997	47472	47233	45693	46437	46820	46357	46671	46678	101.168	
	10	46934	46430	46475	46769	46534	47210	46855	46307	46077	46496	47090	46779	101.472	
	11	47087	46842	46740	46527	46790	46716	46770	47168	46551	46866	46910	46117	101.676	
	12	46491	45737	46981	46476	46941	46626	46240	47023	46920	46586	46689	46190	101.281	
	13	46817	46630	47066	46565	46537	46907	46665	46958	47058	46720	46413	46704	101.668	

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
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INAF/UNIRomaTre		S.V.I.R.CO. Observatory - Pressure Corrected Data - December 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

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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

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

day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
1	0	1027.35	1027.34	1027.34	1027.35	1027.35	1027.35	1027.33	1027.29	1027.25	1027.21	1027.24	1027.26	1027.30
	1	1027.24	1027.24	1027.26	1027.27	1027.30	1027.30	1027.29	1027.27	1027.22	1027.22	1027.23	1027.24	1027.25
	2	1027.25	1027.26	1027.26	1027.23	1027.16	1027.12	1027.13	1027.11	1027.10	1027.10	1027.08	1027.08	1027.15
	3	1027.11	1027.15	1027.17	1027.14	1027.14	1027.16	1027.14	1027.11	1027.11	1027.10	1027.09	1027.07	1027.12
	4	1027.03	1027.02	1027.03	1027.06	1027.12	1027.18	1027.19	1027.14	1027.11	1027.14	1027.17	1027.22	1027.12
	5	1027.28	1027.34	1027.37	1027.42	1027.48	1027.50	1027.50	1027.52	1027.53	1027.53	1027.54	1027.57	1027.46
	6	1027.61	1027.61	1027.62	1027.65	1027.67	1027.69	1027.69	1027.71	1027.74	1027.74	1027.74	1027.77	1027.68
	7	1027.77	1027.76	1027.78	1027.79	1027.81	1027.82	1027.81	1027.81	1027.82	1027.85	1027.88	1027.90	1027.82
	8	1027.91	1027.89	1027.87	1027.88	1027.91	1027.97	1028.06	1028.09	1028.08	1028.09	1028.09	1028.08	1027.99
	9	1028.07	1028.06	1028.06	1028.05	1028.00	1027.95	1028.01	1028.06	1028.00	1027.92	1027.87	1027.83	1027.99
	10	1027.79	1027.71	1027.63	1027.58	1027.52	1027.47	1027.40	1027.29	1027.19	1027.11	1027.03	1027.00	1027.39
	11	1027.00	1026.96	1026.91	1026.86	1026.79	1026.71	1026.66	1026.61	1026.52	1026.43	1026.36	1026.30	1026.67
	12	1026.24	1026.20	1026.17	1026.13	1026.10	1026.03	1025.95	1025.91	1025.86	1025.81	1025.75	1025.70	1025.98
	13	1025.66	1025.62	1025.57	1025.54	1025.52	1025.51	1025.51	1025.51	1025.48	1025.46	1025.46	1025.44	1025.52
	14	1025.42	1025.41	1025.42	1025.45	1025.50	1025.54	1025.54	1025.52	1025.51	1025.51	1025.49	1025.48	1025.48
	15	1025.48	1025.48	1025.48	1025.50	1025.55	1025.57	1025.59	1025.62	1025.64	1025.63	1025.60	1025.59	1025.56
	16	1025.61	1025.64	1025.67	1025.68	1025.71	1025.74	1025.72	1025.71	1025.72	1025.72	1025.73	1025.78	1025.70
	17	1025.80	1025.81	1025.84	1025.87	1025.87	1025.89	1025.95	1025.98	1025.98	1025.98	1025.99	1026.01	1025.91
	18	1026.05	1026.09	1026.13	1026.16	1026.16	1026.17	1026.21	1026.27	1026.27	1026.25	1026.28	1026.29	1026.19
	19	1026.28	1026.24	1026.20	1026.24	1026.29	1026.31	1026.34	1026.37	1026.39	1026.38	1026.37	1026.39	1026.31
	20	1026.40	1026.40	1026.43	1026.45	1026.44	1026.41	1026.39	1026.40	1026.40	1026.37	1026.35	1026.34	1026.40
	21	1026.32	1026.32	1026.34	1026.35	1026.31	1026.25	1026.23	1026.23	1026.23	1026.23	1026.23	1026.19	1026.27
	22	1026.13	1026.10	1026.07	1026.02	1025.92	1025.82	1025.76	1025.77	1025.78	1025.77	1025.72	1025.64	1025.87
	23	1025.58	1025.53	1025.48	1025.45	1025.42	1025.39	1025.34	1025.30	1025.27	1025.23	1025.17	1025.13	1025.36
2	0	1025.05	1025.03	1025.02	1025.01	1024.99	1025.01	1025.03	1025.02	1025.03	1025.07	1025.09	1025.09	1025.03
	1	1025.08	1025.04	1024.99	1024.98	1024.99	1025.00	1024.99	1024.99	1024.97	1024.91	1024.85	1024.81	1024.96
	2	1024.75	1024.68	1024.62	1024.58	1024.54	1024.47	1024.39	1024.31	1024.29	1024.27	1024.24	1024.23	1024.44
	3	1024.25	1024.23	1024.16	1024.07	1023.97	1023.93	1023.91	1023.90	1023.89	1023.88	1023.87	1023.83	1023.99
	4	1023.82	1023.86	1023.85	1023.83	1023.80	1023.78	1023.78	1023.80	1023.83	1023.80	1023.76	1023.77	1023.80
	5	1023.78	1023.78	1023.76	1023.73	1023.73	1023.71	1023.67	1023.63	1023.57	1023.54	1023.53	1023.54	1023.66
	6	1023.57	1023.58	1023.58	1023.58	1023.59	1023.57	1023.54	1023.51	1023.51	1023.56	1023.58	1023.59	1023.56
	7	1023.61	1023.64	1023.68	1023.68	1023.67	1023.66	1023.67	1023.70	1023.72	1023.74	1023.76	1023.78	1023.69
	8	1023.82	1023.81	1023.77	1023.73	1023.71	1023.73	1023.76	1023.78	1023.78	1023.78	1023.77	1023.72	1023.76
	9	1023.72	1023.72	1023.71	1023.74	1023.78	1023.80	1023.80	1023.77	1023.72	1023.68	1023.63	1023.54	1023.72
	10	1023.47	1023.40	1023.32	1023.27	1023.22	1023.17	1023.10	1023.04	1023.00	1022.95	1022.87	1022.79	1023.13
	11	1022.73	1022.69	1022.63	1022.60	1022.56	1022.51	1022.47	1022.42	1022.37	1022.32	1022.26	1022.17	1022.47
	12	1022.10	1022.02	1021.90	1021.80	1021.75	1021.70	1021.67	1021.62	1021.56	1021.48	1021.38	1021.31	1021.69
	13	1021.27	1021.26	1021.26	1021.25	1021.25	1021.25	1021.20	1021.11	1021.05	1021.05	1021.05	1021.03	1021.17
	14	1021.04	1021.04	1021.00	1020.96	1020.96	1020.98	1021.00	1021.03	1021.05	1021.06	1021.05	1021.05	1021.02
	15	1021.08	1021.09	1021.11	1021.16	1021.18	1021.18	1021.20	1021.29	1021.32	1021.26	1021.23	1021.20	1021.19
	16	1021.18	1021.19	1021.20	1021.17	1021.13	1021.09	1021.00	1020.98	1021.03	1021.03	1021.01	1021.01	1021.08
	17	1021.02	1021.03	1021.03	1021.03	1021.08	1021.11	1021.16	1021.22	1021.26	1021.25	1021.24	1021.22	1021.14
	18	1021.16	1021.14	1021.16	1021.20	1021.24	1021.26	1021.28	1021.30	1021.35	1021.37	1021.34	1021.34	1021.26
	19	1021.37	1021.38	1021.36	1021.33	1021.33	1021.35	1021.38	1021.43	1021.47	1021.48	1021.48	1021.52	1021.40
	20	1021.55	1021.56	1021.61	1021.65	1021.65	1021.66	1021.67	1021.66	1021.62	1021.58	1021.55	1021.53	1021.60
	21	1021.53	1021.53	1021.52	1021.50	1021.48	1021.48	1021.52	1021.55	1021.58	1021.64	1021.65	1021.59	1021.54
	22	1021.57	1021.58	1021.54	1021.50	1021.47	1021.47	1021.47	1021.46	1021.42	1021.38	1021.37	1021.37	1021.46
	23	1021.31	1021.21	1021.15	1021.12	1021.08	1021.05	1021.00	1020.95	1020.95	1020.94	1020.89	1020.86	1021.04

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
3	0	1020.86	1020.84	1020.84	1020.85	1020.84	1020.87	1020.89	1020.92	1020.94	1020.94	1020.90	1020.86	1020.88
	1	1020.85	1020.79	1020.72	1020.66	1020.64	1020.66	1020.67	1020.66	1020.63	1020.58	1020.54	1020.50	1020.66
	2	1020.48	1020.49	1020.47	1020.43	1020.42	1020.41	1020.38	1020.32	1020.28	1020.28	1020.32	1020.36	1020.38
	3	1020.35	1020.30	1020.26	1020.23	1020.16	1020.02	1019.89	1019.82	1019.82	1019.84	1019.84	1019.86	1020.03
	4	1019.90	1019.88	1019.80	1019.76	1019.75	1019.74	1019.74	1019.74	1019.77	1019.78	1019.77	1019.81	1019.79
	5	1019.86	1019.85	1019.84	1019.83	1019.85	1019.89	1019.90	1019.93	1019.93	1019.93	1019.95	1019.97	1019.89
	6	1020.01	1020.07	1020.13	1020.17	1020.18	1020.22	1020.28	1020.29	1020.26	1020.24	1020.27	1020.31	1020.20
	7	1020.28	1020.26	1020.31	1020.33	1020.32	1020.31	1020.29	1020.30	1020.33	1020.33	1020.31	1020.31	1020.31
	8	1020.31	1020.31	1020.31	1020.30	1020.31	1020.36	1020.40	1020.46	1020.52	1020.55	1020.56	1020.59	1020.41
	9	1020.61	1020.63	1020.63	1020.65	1020.65	1020.61	1020.60	1020.53	1020.43	1020.32	1020.19	1020.17	1020.50
	10	1020.17	1020.15	1020.09	1020.06	1020.05	1020.00	1019.91	1019.85	1019.83	1019.71	1019.62	1019.58	1019.92
	11	1019.59	1019.60	1019.50	1019.43	1019.43	1019.44	1019.43	1019.37	1019.30	1019.23	1019.09	1018.99	1019.37
	12	1018.97	1018.97	1018.97	1018.95	1018.93	1018.91	1018.82	1018.72	1018.64	1018.60	1018.57	1018.53	1018.80
	13	1018.53	1018.51	1018.42	1018.37	1018.38	1018.39	1018.40	1018.41	1018.39	1018.29	1018.26	1018.35	1018.39
	14	1018.43	1018.48	1018.49	1018.49	1018.48	1018.46	1018.44	1018.43	1018.39	1018.32	1018.29	1018.28	1018.41
	15	1018.26	1018.23	1018.22	1018.21	1018.20	1018.21	1018.22	1018.22	1018.25	1018.25	1018.24	1018.27	1018.23
	16	1018.29	1018.29	1018.26	1018.22	1018.24	1018.22	1018.18	1018.20	1018.22	1018.23	1018.26	1018.28	1018.24
	17	1018.33	1018.35	1018.34	1018.35	1018.38	1018.40	1018.39	1018.40	1018.43	1018.44	1018.44	1018.44	1018.39
	18	1018.47	1018.51	1018.55	1018.58	1018.59	1018.59	1018.57	1018.52	1018.49	1018.48	1018.44	1018.39	1018.51
	19	1018.40	1018.40	1018.38	1018.39	1018.38	1018.32	1018.26	1018.25	1018.27	1018.25	1018.20	1018.18	1018.30
	20	1018.21	1018.24	1018.22	1018.21	1018.19	1018.17	1018.17	1018.12	1018.07	1018.03	1017.96	1017.90	1018.12
	21	1017.82	1017.72	1017.73	1017.77	1017.73	1017.64	1017.61	1017.64	1017.61	1017.57	1017.58	1017.57	1017.66
	22	1017.59	1017.57	1017.70	1017.86	1017.82	1017.76	1017.68	1017.63	1017.58	1017.50	1017.40	1017.36	1017.62
	23	1017.34	1017.30	1017.25	1017.20	1017.12	1017.05	1017.04	1017.04	1017.03	1017.02	1017.03	1017.07	1017.12
4	0	1016.98	1016.97	1016.95	1016.91	1016.85	1016.83	1016.84	1016.82	1016.80	1016.81	1016.86	1016.89	1016.87
	1	1016.86	1016.82	1016.81	1016.81	1016.80	1016.78	1016.76	1016.73	1016.71	1016.69	1016.67	1016.65	1016.76
	2	1016.61	1016.55	1016.47	1016.46	1016.45	1016.41	1016.36	1016.28	1016.24	1016.24	1016.29	1016.32	1016.39
	3	1016.31	1016.28	1016.25	1016.25	1016.24	1016.20	1016.21	1016.19	1016.16	1016.20	1016.25	1016.31	1016.24
	4	1016.37	1016.37	1016.35	1016.35	1016.36	1016.36	1016.34	1016.32	1016.30	1016.28	1016.29	1016.31	1016.33
	5	1016.33	1016.33	1016.32	1016.32	1016.31	1016.29	1016.28	1016.29	1016.28	1016.28	1016.26	1016.25	1016.29
	6	1016.26	1016.27	1016.33	1016.38	1016.36	1016.33	1016.33	1016.31	1016.30	1016.32	1016.35	1016.36	1016.32
	7	1016.37	1016.37	1016.36	1016.36	1016.33	1016.31	1016.33	1016.36	1016.36	1016.35	1016.34	1016.40	1016.35
	8	1016.43	1016.41	1016.41	1016.39	1016.39	1016.42	1016.45	1016.47	1016.51	1016.52	1016.50	1016.48	1016.45
	9	1016.47	1016.45	1016.48	1016.52	1016.48	1016.50	1016.58	1016.53	1016.43	1016.35	1016.30	1016.30	1016.45
	10	1016.27	1016.25	1016.24	1016.20	1016.11	1015.99	1015.90	1015.85	1015.82	1015.76	1015.68	1015.63	1015.97
	11	1015.63	1015.62	1015.56	1015.47	1015.42	1015.43	1015.46	1015.48	1015.48	1015.50	1015.51	1015.49	1015.50
	12	1015.42	1015.34	1015.24	1015.16	1015.17	1015.19	1015.14	1015.06	1015.00	1014.97	1014.94	1014.90	1015.13
	13	1014.88	1014.88	1014.88	1014.87	1014.87	1014.89	1014.93	1014.94	1014.90	1014.86	1014.82	1014.76	1014.87
	14	1014.72	1014.76	1014.82	1014.84	1014.86	1014.90	1014.95	1014.96	1014.98	1015.04	1015.07	1015.11	1014.92
	15	1015.18	1015.24	1015.26	1015.29	1015.32	1015.35	1015.39	1015.37	1015.32	1015.31	1015.31	1015.32	1015.30
	16	1015.33	1015.32	1015.33	1015.37	1015.38	1015.39	1015.34	1015.30	1015.31	1015.33	1015.31	1015.24	1015.33
	17	1015.23	1015.27	1015.35	1015.44	1015.48	1015.48	1015.48	1015.49	1015.46	1015.47	1015.49	1015.51	1015.43
	18	1015.53	1015.52	1015.50	1015.51	1015.55	1015.58	1015.63	1015.70	1015.75	1015.77	1015.79	1015.82	1015.64
	19	1015.89	1015.96	1016.00	1016.01	1015.98	1015.95	1015.95	1015.93	1015.93	1015.95	1015.92	1015.86	1015.94
	20	1015.85	1015.91	1015.88	1015.75	1015.70	1015.74	1015.74	1015.75	1015.74	1015.74	1015.75	1015.76	1015.78
	21	1015.77	1015.72	1015.68	1015.67	1015.69	1015.74	1015.78	1015.76	1015.72	1015.69	1015.69	1015.68	1015.71
	22	1015.63	1015.61	1015.58	1015.56	1015.55	1015.54	1015.54	1015.50	1015.40	1015.34	1015.30	1015.21	1015.48
	23	1015.14	1015.06	1014.98	1014.91	1014.83	1014.76	1014.68	1014.63	1014.64	1014.61	1014.53	1014.45	1014.77

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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	1014.43	1014.40	1014.34	1014.32	1014.36	1014.41	1014.39	1014.36	1014.40	1014.42	1014.39	1014.32	1014.37
	1	1014.24	1014.19	1014.13	1014.07	1014.01	1014.01	1014.00	1013.95	1013.93	1013.89	1013.85	1013.81	1014.00
	2	1013.73	1013.64	1013.53	1013.43	1013.30	1013.16	1013.07	1013.00	1012.92	1012.85	1012.81	1012.76	1013.18
	3	1012.72	1012.67	1012.60	1012.58	1012.58	1012.57	1012.50	1012.42	1012.34	1012.30	1012.26	1012.22	1012.48
	4	1012.17	1012.11	1012.08	1012.06	1012.03	1011.94	1011.88	1011.84	1011.80	1011.83	1011.86	1011.87	1011.95
	5	1011.85	1011.82	1011.83	1011.84	1011.85	1011.86	1011.86	1011.90	1011.92	1011.86	1011.76	1011.77	1011.84
	6	1011.84	1011.82	1011.79	1011.77	1011.74	1011.68	1011.67	1011.69	1011.61	1011.54	1011.50	1011.42	1011.67
	7	1011.37	1011.36	1011.36	1011.40	1011.47	1011.50	1011.58	1011.60	1011.54	1011.52	1011.55	1011.52	1011.48
	8	1011.42	1011.39	1011.41	1011.41	1011.43	1011.43	1011.43	1011.50	1011.55	1011.55	1011.59	1011.61	1011.47
	9	1011.58	1011.69	1011.86	1011.90	1011.83	1011.77	1011.69	1011.54	1011.44	1011.38	1011.37	1011.31	1011.61
	10	1011.24	1011.18	1011.06	1010.93	1010.84	1010.76	1010.67	1010.65	1010.66	1010.60	1010.52	1010.41	1010.79
	11	1010.34	1010.32	1010.28	1010.23	1010.21	1010.14	1010.03	1009.98	1009.96	1009.96	1009.97	1009.92	1010.11
	12	1009.90	1009.91	1009.86	1009.85	1009.86	1009.79	1009.66	1009.55	1009.49	1009.44	1009.43	1009.46	1009.68
	13	1009.46	1009.42	1009.34	1009.29	1009.27	1009.23	1009.26	1009.25	1009.19	1009.17	1009.15	1009.17	1009.27
	14	1009.24	1009.24	1009.21	1009.17	1009.15	1009.16	1009.15	1009.13	1009.10	1009.01	1008.94	1008.91	1009.12
	15	1008.91	1008.93	1008.92	1008.89	1008.83	1008.76	1008.71	1008.70	1008.70	1008.67	1008.64	1008.67	1008.77
	16	1008.65	1008.59	1008.58	1008.55	1008.55	1008.60	1008.59	1008.56	1008.58	1008.62	1008.64	1008.66	1008.59
	17	1008.65	1008.62	1008.58	1008.54	1008.55	1008.60	1008.63	1008.58	1008.56	1008.59	1008.62	1008.60	1008.59
	18	1008.57	1008.57	1008.58	1008.59	1008.55	1008.55	1008.58	1008.59	1008.63	1008.67	1008.66	1008.63	1008.60
	19	1008.62	1008.58	1008.51	1008.49	1008.47	1008.49	1008.57	1008.63	1008.59	1008.52	1008.56	1008.62	1008.55
	20	1008.58	1008.52	1008.47	1008.41	1008.41	1008.47	1008.51	1008.48	1008.43	1008.46	1008.55	1008.63	1008.49
	21	1008.64	1008.63	1008.62	1008.55	1008.46	1008.40	1008.35	1008.33	1008.31	1008.27	1008.26	1008.27	1008.42
	22	1008.28	1008.36	1008.44	1008.42	1008.39	1008.39	1008.41	1008.42	1008.39	1008.39	1008.40	1008.45	1008.39
	23	1008.54	1008.57	1008.56	1008.53	1008.46	1008.35	1008.25	1008.17	1008.19	1008.27	1008.28	1008.27	1008.37
6	0	1008.22	1008.22	1008.16	1008.12	1008.12	1008.11	1008.10	1008.10	1008.10	1008.09	1008.10	1008.10	1008.12
	1	1008.11	1008.19	1008.26	1008.21	1008.10	1008.07	1008.15	1008.27	1008.38	1008.40	1008.37	1008.32	1008.23
	2	1008.25	1008.18	1008.16	1008.16	1008.21	1008.34	1008.52	1008.62	1008.61	1008.62	1008.60	1008.53	1008.40
	3	1008.52	1008.62	1008.74	1008.84	1008.98	1009.06	1009.05	1009.07	1009.10	1009.09	1009.12	1009.21	1008.95
	4	1009.28	1009.34	1009.40	1009.44	1009.46	1009.47	1009.51	1009.56	1009.69	1009.85	1009.99	1010.09	1009.59
	5	1010.15	1010.24	1010.36	1010.44	1010.51	1010.59	1010.65	1010.65	1010.55	1010.40	1010.41	1010.53	1010.45
	6	1010.50	1010.46	1010.46	1010.43	1010.46	1010.51	1010.57	1010.63	1010.70	1010.76	1010.77	1010.78	1010.58
	7	1010.79	1010.80	1010.84	1010.90	1010.92	1010.93	1010.98	1011.06	1011.12	1011.14	1011.16	1011.19	1010.98
	8	1011.25	1011.31	1011.35	1011.40	1011.47	1011.52	1011.56	1011.56	1011.55	1011.58	1011.59	1011.56	1011.47
	9	1011.50	1011.51	1011.52	1011.53	1011.60	1011.60	1011.53	1011.46	1011.43	1011.46	1011.53	1011.54	1011.52
	10	1011.57	1011.60	1011.57	1011.57	1011.57	1011.51	1011.45	1011.46	1011.48	1011.46	1011.45	1011.41	1011.51
	11	1011.39	1011.44	1011.52	1011.59	1011.60	1011.59	1011.54	1011.45	1011.36	1011.33	1011.38	1011.43	1011.47
	12	1011.46	1011.49	1011.52	1011.55	1011.55	1011.51	1011.42	1011.35	1011.27	1011.19	1011.11	1011.07	1011.37
	13	1011.06	1011.04	1011.01	1011.01	1011.02	1011.06	1011.16	1011.23	1011.25	1011.27	1011.26	1011.28	1011.14
	14	1011.33	1011.35	1011.45	1011.66	1011.77	1011.78	1011.83	1011.85	1011.86	1011.87	1011.85	1011.86	1011.70
	15	1011.90	1011.94	1011.99	1012.10	1012.22	1012.34	1012.42	1012.51	1012.55	1012.53	1012.55	1012.61	1012.30
	16	1012.72	1012.85	1012.99	1013.05	1013.06	1013.06	1013.05	1013.10	1013.14	1013.12	1013.09	1013.13	1013.03
	17	1013.20	1013.20	1013.14	1013.12	1013.17	1013.21	1013.30	1013.41	1013.48	1013.52	1013.58	1013.63	1013.33
	18	1013.72	1013.85	1013.94	1014.02	1014.09	1014.13	1014.20	1014.22	1014.25	1014.31	1014.33	1014.37	1014.12
	19	1014.45	1014.54	1014.60	1014.65	1014.71	1014.73	1014.78	1014.84	1014.82	1014.79	1014.78	1014.71	1014.70
	20	1014.56	1014.41	1014.36	1014.39	1014.44	1014.59	1014.73	1014.78	1014.82	1014.85	1014.86	1014.92	1014.64
	21	1014.95	1014.91	1014.89	1014.93	1014.91	1014.85	1014.86	1014.88	1014.88	1014.80	1014.69	1014.64	1014.85
	22	1014.64	1014.67	1014.70	1014.73	1014.71	1014.68	1014.69	1014.70	1014.74	1014.82	1014.88	1014.92	1014.74
	23	1014.95	1014.97	1014.98	1014.93	1014.88	1014.87	1014.88	1014.91	1014.93	1014.91	1014.81	1014.72	1014.89

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
7	0	1014.74	1014.82	1015.10	1015.41	1015.55	1015.55	1015.51	1015.50	1015.49	1015.44	1015.54	1015.69	1015.39
	1	1015.69	1015.66	1015.66	1015.70	1015.69	1015.68	1015.72	1015.79	1015.82	1015.84	1015.83	1015.76	1015.73
	2	1015.78	1015.87	1015.90	1015.68	1015.55	1015.68	1015.70	1015.60	1015.55	1015.56	1015.60	1015.61	1015.67
	3	1015.61	1015.56	1015.45	1015.47	1015.56	1015.58	1015.58	1015.59	1015.59	1015.56	1015.58	1015.62	1015.56
	4	1015.66	1015.72	1015.71	1015.67	1015.59	1015.52	1015.46	1015.42	1015.53	1015.77	1015.93	1016.02	1015.66
	5	1016.04	1016.00	1016.02	1016.08	1016.07	1016.11	1016.20	1016.30	1016.36	1016.38	1016.40	1016.38	1016.19
	6	1016.36	1016.39	1016.57	1016.75	1016.81	1016.76	1016.68	1016.69	1016.75	1016.85	1016.99	1017.13	1016.73
	7	1017.17	1017.23	1017.30	1017.27	1017.28	1017.37	1017.42	1017.47	1017.51	1017.58	1017.77	1017.94	1017.44
	8	1018.01	1018.05	1018.17	1018.31	1018.40	1018.48	1018.47	1018.44	1018.47	1018.51	1018.50	1018.47	1018.35
	9	1018.46	1018.47	1018.53	1018.61	1018.75	1018.84	1018.82	1018.79	1018.73	1018.65	1018.56	1018.52	1018.64
	10	1018.47	1018.45	1018.46	1018.41	1018.32	1018.27	1018.27	1018.30	1018.30	1018.25	1018.22	1018.20	1018.33
	11	1018.23	1018.35	1018.45	1018.46	1018.42	1018.44	1018.42	1018.31	1018.23	1018.18	1018.16	1018.16	1018.31
	12	1018.09	1018.04	1018.06	1017.99	1017.91	1017.90	1017.92	1017.90	1017.87	1017.87	1017.89	1017.88	1017.94
	13	1017.85	1017.84	1017.83	1017.79	1017.72	1017.68	1017.69	1017.70	1017.70	1017.68	1017.72	1017.75	1017.74
	14	1017.73	1017.73	1017.70	1017.67	1017.67	1017.70	1017.75	1017.74	1017.76	1017.80	1017.80	1017.80	1017.73
	15	1017.75	1017.72	1017.75	1017.76	1017.73	1017.71	1017.82	1017.93	1017.88	1017.86	1017.93	1017.92	1017.81
	16	1017.84	1017.84	1017.92	1018.00	1018.04	1018.03	1017.97	1017.93	1017.96	1017.97	1017.97	1018.03	1017.96
	17	1018.05	1018.04	1018.06	1018.04	1017.95	1017.86	1017.87	1017.92	1017.88	1017.82	1017.79	1017.74	1017.92
	18	1017.69	1017.70	1017.73	1017.73	1017.79	1017.83	1017.81	1017.79	1017.79	1017.78	1017.77	1017.79	1017.76
	19	1017.83	1017.82	1017.79	1017.75	1017.70	1017.72	1017.74	1017.72	1017.73	1017.74	1017.69	1017.59	1017.73
	20	1017.51	1017.48	1017.52	1017.62	1017.74	1017.85	1017.93	1017.94	1017.90	1017.88	1017.83	1017.77	1017.74
	21	1017.78	1017.84	1017.86	1017.77	1017.67	1017.58	1017.61	1017.74	1017.77	1017.74	1017.68	1017.63	1017.72
	22	1017.66	1017.73	1017.76	1017.75	1017.71	1017.73	1017.76	1017.75	1017.76	1017.82	1017.89	1017.92	1017.77
	23	1017.93	1017.96	1017.96	1017.90	1017.85	1017.95	1018.01	1017.92	1017.82	1017.82	1017.86	1017.87	1017.90
8	0	1017.84	1017.79	1017.71	1017.64	1017.57	1017.48	1017.44	1017.44	1017.43	1017.43	1017.41	1017.43	1017.54
	1	1017.46	1017.48	1017.48	1017.48	1017.47	1017.43	1017.42	1017.45	1017.47	1017.50	1017.48	1017.44	1017.46
	2	1017.46	1017.45	1017.43	1017.42	1017.43	1017.46	1017.51	1017.58	1017.62	1017.65	1017.65	1017.60	1017.52
	3	1017.56	1017.56	1017.62	1017.66	1017.64	1017.62	1017.62	1017.65	1017.62	1017.56	1017.61	1017.66	1017.61
	4	1017.66	1017.68	1017.69	1017.67	1017.66	1017.66	1017.64	1017.67	1017.73	1017.78	1017.80	1017.81	1017.70
	5	1017.86	1017.91	1017.95	1017.98	1017.98	1018.00	1018.03	1018.08	1018.19	1018.37	1018.52	1018.64	1018.12
	6	1018.76	1018.86	1018.90	1018.90	1018.99	1019.12	1019.19	1019.25	1019.31	1019.31	1019.36	1019.43	1019.11
	7	1019.42	1019.42	1019.44	1019.48	1019.53	1019.54	1019.55	1019.61	1019.64	1019.60	1019.64	1019.77	1019.55
	8	1019.88	1019.95	1020.02	1020.06	1020.13	1020.19	1020.21	1020.26	1020.32	1020.39	1020.50	1020.64	1020.21
	9	1020.71	1020.72	1020.78	1020.86	1020.90	1020.93	1020.96	1020.96	1020.95	1020.93	1020.90	1020.89	1020.87
	10	1020.89	1020.87	1020.81	1020.77	1020.70	1020.64	1020.59	1020.53	1020.51	1020.49	1020.45	1020.40	1020.64
	11	1020.37	1020.36	1020.34	1020.33	1020.31	1020.28	1020.28	1020.31	1020.35	1020.37	1020.39	1020.44	1020.34
	12	1020.46	1020.45	1020.41	1020.37	1020.37	1020.34	1020.30	1020.28	1020.22	1020.15	1020.09	1020.06	1020.29
	13	1020.05	1020.05	1020.06	1020.08	1020.09	1020.10	1020.17	1020.25	1020.29	1020.30	1020.28	1020.26	1020.16
	14	1020.27	1020.29	1020.34	1020.37	1020.37	1020.38	1020.42	1020.49	1020.57	1020.58	1020.55	1020.56	1020.43
	15	1020.61	1020.67	1020.75	1020.83	1020.88	1020.88	1020.86	1020.90	1020.95	1020.98	1020.99	1021.01	1020.86
	16	1021.08	1021.16	1021.20	1021.22	1021.22	1021.23	1021.23	1021.26	1021.35	1021.40	1021.40	1021.50	1021.27
	17	1021.62	1021.65	1021.58	1021.53	1021.56	1021.63	1021.73	1021.80	1021.84	1021.91	1021.98	1022.02	1021.73
	18	1022.07	1022.13	1022.12	1022.13	1022.18	1022.27	1022.36	1022.41	1022.46	1022.55	1022.63	1022.69	1022.33
	19	1022.77	1022.80	1022.80	1022.82	1022.85	1022.93	1023.04	1023.11	1023.12	1023.09	1023.08	1023.09	1022.96
	20	1023.09	1023.06	1023.04	1023.06	1023.11	1023.14	1023.13	1023.15	1023.16	1023.16	1023.19	1023.22	1023.12
	21	1023.19	1023.19	1023.26	1023.27	1023.25	1023.25	1023.26	1023.30	1023.28	1023.26	1023.23	1023.20	1023.24
	22	1023.21	1023.25	1023.23	1023.22	1023.29	1023.33	1023.33	1023.39	1023.41	1023.39	1023.43	1023.45	1023.32
	23	1023.49	1023.47	1023.42	1023.39	1023.33	1023.32	1023.36	1023.37	1023.32	1023.27	1023.25	1023.26	1023.35

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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	1023.30	1023.26	1023.21	1023.22	1023.24	1023.26	1023.33	1023.35	1023.36	1023.40	1023.44	1023.48	1023.32
	1	1023.51	1023.54	1023.53	1023.54	1023.59	1023.61	1023.61	1023.64	1023.67	1023.63	1023.58	1023.57	1023.58
	2	1023.56	1023.55	1023.54	1023.45	1023.35	1023.27	1023.26	1023.30	1023.30	1023.28	1023.29	1023.29	1023.37
	3	1023.25	1023.25	1023.24	1023.23	1023.22	1023.27	1023.35	1023.30	1023.22	1023.27	1023.32	1023.28	1023.27
	4	1023.23	1023.21	1023.22	1023.18	1023.12	1023.23	1023.38	1023.46	1023.49	1023.43	1023.43	1023.51	1023.32
	5	1023.58	1023.60	1023.57	1023.52	1023.46	1023.43	1023.49	1023.50	1023.48	1023.51	1023.53	1023.52	1023.51
	6	1023.56	1023.54	1023.52	1023.56	1023.59	1023.62	1023.66	1023.67	1023.66	1023.69	1023.73	1023.77	1023.63
	7	1023.81	1023.84	1023.88	1023.89	1023.91	1023.92	1023.90	1023.93	1024.00	1024.01	1024.03	1024.04	1023.93
	8	1024.03	1024.05	1024.07	1024.11	1024.15	1024.20	1024.23	1024.22	1024.19	1024.21	1024.26	1024.30	1024.17
	9	1024.32	1024.31	1024.28	1024.29	1024.34	1024.34	1024.30	1024.30	1024.27	1024.20	1024.12	1024.03	1024.26
	10	1023.96	1023.91	1023.85	1023.76	1023.68	1023.64	1023.60	1023.57	1023.56	1023.55	1023.53	1023.53	1023.68
	11	1023.54	1023.49	1023.38	1023.26	1023.20	1023.17	1023.13	1023.08	1023.00	1022.97	1022.97	1022.93	1023.17
	12	1022.84	1022.77	1022.71	1022.65	1022.59	1022.54	1022.50	1022.48	1022.45	1022.38	1022.32	1022.26	1022.54
	13	1022.21	1022.24	1022.28	1022.23	1022.13	1022.08	1022.08	1022.06	1022.01	1021.99	1021.99	1021.99	1022.10
	14	1022.02	1022.07	1022.08	1022.10	1022.08	1022.08	1022.12	1022.13	1022.09	1022.02	1022.00	1022.01	1022.06
	15	1022.01	1021.98	1021.98	1022.03	1022.08	1022.11	1022.12	1022.08	1022.02	1021.96	1021.91	1021.89	1022.01
	16	1021.86	1021.87	1021.94	1021.96	1021.92	1021.89	1021.88	1021.86	1021.83	1021.83	1021.87	1021.86	1021.88
	17	1021.82	1021.79	1021.76	1021.72	1021.68	1021.66	1021.60	1021.61	1021.69	1021.74	1021.69	1021.66	1021.70
	18	1021.70	1021.64	1021.56	1021.49	1021.52	1021.60	1021.58	1021.56	1021.60	1021.63	1021.61	1021.58	1021.59
	19	1021.53	1021.44	1021.28	1021.18	1021.20	1021.26	1021.29	1021.30	1021.32	1021.34	1021.35	1021.33	1021.32
	20	1021.29	1021.27	1021.26	1021.25	1021.23	1021.22	1021.21	1021.20	1021.15	1021.08	1021.03	1021.03	1021.18
	21	1021.07	1021.06	1021.03	1021.01	1021.01	1021.02	1021.05	1021.04	1021.03	1020.99	1020.93	1020.92	1021.01
	22	1020.90	1020.87	1020.85	1020.82	1020.82	1020.80	1020.77	1020.76	1020.77	1020.79	1020.75	1020.66	1020.79
	23	1020.59	1020.54	1020.46	1020.39	1020.37	1020.37	1020.34	1020.33	1020.30	1020.25	1020.21	1020.17	1020.36
10	0	1020.21	1020.21	1020.23	1020.26	1020.27	1020.24	1020.19	1020.18	1020.23	1020.25	1020.22	1020.18	1020.22
	1	1020.10	1020.05	1019.97	1019.89	1019.82	1019.74	1019.71	1019.67	1019.65	1019.63	1019.58	1019.52	1019.78
	2	1019.46	1019.42	1019.39	1019.35	1019.31	1019.28	1019.22	1019.19	1019.20	1019.19	1019.13	1019.06	1019.27
	3	1019.03	1019.07	1019.11	1019.13	1019.13	1019.07	1018.96	1018.82	1018.68	1018.62	1018.61	1018.64	1018.90
	4	1018.64	1018.56	1018.53	1018.51	1018.52	1018.57	1018.62	1018.68	1018.68	1018.64	1018.58	1018.56	1018.59
	5	1018.57	1018.61	1018.65	1018.64	1018.62	1018.65	1018.72	1018.79	1018.82	1018.84	1018.87	1018.93	1018.72
	6	1018.98	1018.99	1019.04	1019.09	1019.09	1019.11	1019.10	1019.04	1019.02	1019.01	1019.01	1019.01	1019.04
	7	1019.04	1019.07	1019.10	1019.13	1019.14	1019.14	1019.16	1019.17	1019.16	1019.14	1019.18	1019.25	1019.14
	8	1019.32	1019.36	1019.35	1019.33	1019.30	1019.26	1019.23	1019.21	1019.20	1019.21	1019.21	1019.24	1019.27
	9	1019.30	1019.32	1019.33	1019.32	1019.34	1019.33	1019.29	1019.30	1019.34	1019.32	1019.26	1019.20	1019.30
	10	1019.12	1019.05	1019.02	1018.96	1018.82	1018.66	1018.54	1018.49	1018.48	1018.49	1018.49	1018.44	1018.71
	11	1018.37	1018.34	1018.32	1018.34	1018.35	1018.32	1018.29	1018.29	1018.30	1018.25	1018.16	1018.09	1018.28
	12	1018.13	1018.18	1018.15	1018.09	1018.03	1018.00	1017.98	1017.93	1017.87	1017.79	1017.68	1017.58	1017.95
	13	1017.55	1017.54	1017.52	1017.47	1017.42	1017.40	1017.39	1017.40	1017.41	1017.38	1017.30	1017.26	1017.42
	14	1017.26	1017.26	1017.25	1017.21	1017.20	1017.24	1017.26	1017.25	1017.21	1017.17	1017.14	1017.18	1017.22
	15	1017.20	1017.23	1017.25	1017.22	1017.18	1017.15	1017.15	1017.10	1017.05	1017.05	1017.10	1017.17	1017.15
	16	1017.25	1017.33	1017.37	1017.38	1017.37	1017.37	1017.38	1017.38	1017.41	1017.46	1017.49	1017.50	1017.39
	17	1017.51	1017.48	1017.46	1017.47	1017.49	1017.50	1017.47	1017.43	1017.39	1017.38	1017.38	1017.35	1017.44
	18	1017.33	1017.36	1017.39	1017.40	1017.42	1017.44	1017.46	1017.46	1017.50	1017.56	1017.60	1017.62	1017.46
	19	1017.62	1017.61	1017.58	1017.53	1017.50	1017.49	1017.45	1017.41	1017.39	1017.41	1017.42	1017.38	1017.48
	20	1017.33	1017.28	1017.24	1017.23	1017.28	1017.32	1017.33	1017.33	1017.36	1017.38	1017.37	1017.37	1017.32
	21	1017.39	1017.41	1017.40	1017.39	1017.38	1017.36	1017.33	1017.29	1017.28	1017.25	1017.22	1017.23	1017.32
	22	1017.21	1017.16	1017.14	1017.14	1017.17	1017.22	1017.23	1017.22	1017.22	1017.22	1017.23	1017.26	1017.20
	23	1017.29	1017.28	1017.26	1017.23	1017.18	1017.15	1017.20	1017.22	1017.20	1017.19	1017.15	1017.09	1017.20

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
11	0	1017.07	1017.08	1017.11	1017.15	1017.17	1017.19	1017.19	1017.20	1017.21	1017.22	1017.22	1017.20	1017.17
	1	1017.15	1017.17	1017.22	1017.23	1017.18	1017.14	1017.17	1017.21	1017.21	1017.19	1017.16	1017.09	1017.18
	2	1017.03	1017.01	1016.98	1016.91	1016.84	1016.80	1016.81	1016.81	1016.80	1016.80	1016.77	1016.74	1016.85
	3	1016.72	1016.69	1016.69	1016.69	1016.66	1016.61	1016.56	1016.52	1016.53	1016.53	1016.54	1016.56	1016.61
	4	1016.56	1016.59	1016.64	1016.67	1016.69	1016.68	1016.71	1016.74	1016.74	1016.79	1016.86	1016.92	1016.71
	5	1016.95	1016.96	1016.94	1016.91	1016.90	1016.91	1016.93	1016.93	1016.93	1016.89	1016.94	1017.03	1016.93
	6	1017.06	1017.08	1017.08	1017.06	1017.06	1017.06	1017.05	1017.10	1017.16	1017.22	1017.26	1017.32	1017.12
	7	1017.38	1017.42	1017.47	1017.53	1017.58	1017.61	1017.62	1017.66	1017.71	1017.77	1017.81	1017.82	1017.61
	8	1017.83	1017.90	1018.02	1018.13	1018.21	1018.28	1018.33	1018.38	1018.42	1018.45	1018.48	1018.50	1018.24
	9	1018.50	1018.48	1018.51	1018.56	1018.62	1018.68	1018.75	1018.81	1018.82	1018.77	1018.74	1018.70	1018.66
	10	1018.63	1018.58	1018.56	1018.53	1018.50	1018.47	1018.43	1018.38	1018.32	1018.27	1018.18	1018.10	1018.41
	11	1018.06	1018.03	1018.01	1018.00	1017.98	1017.96	1017.96	1017.91	1017.85	1017.83	1017.81	1017.78	1017.93
	12	1017.76	1017.73	1017.71	1017.69	1017.71	1017.73	1017.72	1017.68	1017.64	1017.61	1017.58	1017.56	1017.67
	13	1017.55	1017.56	1017.60	1017.63	1017.60	1017.54	1017.52	1017.52	1017.50	1017.47	1017.46	1017.46	1017.53
	14	1017.48	1017.52	1017.58	1017.62	1017.59	1017.55	1017.51	1017.49	1017.49	1017.50	1017.54	1017.59	1017.54
	15	1017.62	1017.65	1017.69	1017.72	1017.73	1017.75	1017.76	1017.73	1017.72	1017.73	1017.75	1017.79	1017.72
	16	1017.82	1017.84	1017.84	1017.82	1017.82	1017.82	1017.82	1017.84	1017.86	1017.87	1017.85	1017.87	1017.84
	17	1017.91	1017.95	1017.98	1017.97	1017.98	1018.02	1018.05	1018.07	1018.12	1018.20	1018.25	1018.28	1018.06
	18	1018.29	1018.28	1018.31	1018.34	1018.37	1018.42	1018.43	1018.42	1018.44	1018.45	1018.43	1018.40	1018.38
	19	1018.38	1018.39	1018.38	1018.34	1018.28	1018.22	1018.21	1018.22	1018.20	1018.15	1018.13	1018.15	1018.25
	20	1018.18	1018.20	1018.18	1018.12	1018.08	1018.07	1018.06	1018.07	1018.07	1018.08	1018.09	1018.09	1018.11
	21	1018.09	1018.08	1018.05	1018.03	1018.03	1018.02	1018.04	1018.06	1018.06	1018.02	1017.94	1017.88	1018.02
	22	1017.86	1017.87	1017.87	1017.85	1017.87	1017.90	1017.90	1017.89	1017.90	1017.94	1017.94	1017.88	1017.89
	23	1017.78	1017.65	1017.60	1017.63	1017.64	1017.64	1017.58	1017.52	1017.54	1017.52	1017.45	1017.40	1017.58
12	0	1017.31	1017.28	1017.25	1017.23	1017.25	1017.26	1017.25	1017.22	1017.14	1017.10	1017.09	1017.08	1017.20
	1	1017.05	1017.01	1016.98	1016.92	1016.86	1016.82	1016.77	1016.72	1016.56	1016.34	1016.27	1016.25	1016.71
	2	1016.19	1016.16	1016.07	1015.98	1015.94	1015.87	1015.85	1015.88	1015.87	1015.85	1015.90	1015.96	1015.96
	3	1015.95	1015.91	1015.99	1016.11	1016.15	1016.21	1016.24	1016.16	1016.01	1015.87	1015.81	1015.64	1016.00
	4	1015.53	1015.49	1015.35	1015.14	1014.97	1014.96	1015.05	1015.13	1015.37	1015.54	1015.53	1015.69	1015.31
	5	1015.88	1016.00	1015.94	1015.68	1015.52	1015.67	1015.92	1015.88	1015.82	1015.81	1015.86	1016.06	1015.83
	6	1015.94	1015.82	1016.04	1016.11	1015.92	1015.88	1015.93	1015.85	1015.69	1015.61	1015.65	1015.73	1015.85
	7	1015.74	1015.75	1015.67	1015.62	1015.64	1015.67	1015.80	1015.91	1015.87	1015.77	1015.75	1015.77	1015.74
	8	1015.81	1015.82	1015.78	1015.80	1015.83	1015.78	1015.74	1015.73	1015.72	1015.82	1015.88	1015.87	1015.80
	9	1015.84	1015.76	1015.74	1015.82	1015.85	1015.82	1015.81	1015.79	1015.76	1015.73	1015.71	1015.66	1015.77
	10	1015.61	1015.60	1015.58	1015.56	1015.48	1015.36	1015.24	1015.18	1015.15	1015.09	1014.98	1014.88	1015.31
	11	1014.80	1014.75	1014.72	1014.67	1014.61	1014.59	1014.51	1014.41	1014.36	1014.33	1014.28	1014.21	1014.52
	12	1014.13	1013.98	1013.83	1013.75	1013.67	1013.58	1013.52	1013.47	1013.43	1013.38	1013.32	1013.28	1013.61
	13	1013.23	1013.17	1013.12	1013.04	1012.88	1012.79	1012.85	1013.00	1013.11	1013.17	1013.19	1013.21	1013.06
	14	1013.18	1013.14	1013.12	1013.12	1013.13	1013.12	1013.09	1013.08	1013.09	1013.08	1013.07	1013.10	1013.11
	15	1013.15	1013.19	1013.19	1013.18	1013.19	1013.18	1013.18	1013.23	1013.31	1013.33	1013.33	1013.36	1013.23
	16	1013.33	1013.29	1013.27	1013.24	1013.20	1013.17	1013.17	1013.18	1013.19	1013.18	1013.16	1013.11	1013.20
	17	1013.07	1013.07	1013.10	1013.12	1013.13	1013.12	1013.15	1013.17	1013.18	1013.24	1013.25	1013.25	1013.15
	18	1013.27	1013.26	1013.23	1013.20	1013.18	1013.20	1013.21	1013.19	1013.13	1013.03	1012.97	1012.98	1013.15
	19	1012.98	1012.96	1012.98	1012.99	1012.98	1012.96	1012.98	1012.96	1012.92	1012.90	1012.87	1012.87	1012.94
	20	1012.94	1013.00	1013.01	1013.03	1013.03	1013.03	1013.05	1013.06	1013.06	1013.11	1013.14	1013.09	1013.04
	21	1013.08	1013.11	1013.17	1013.25	1013.25	1013.22	1013.29	1013.37	1013.39	1013.40	1013.43	1013.43	1013.28
	22	1013.48	1013.60	1013.67	1013.66	1013.68	1013.74	1013.79	1013.83	1013.86	1013.84	1013.77	1013.69	1013.72
	23	1013.62	1013.58	1013.57	1013.51	1013.46	1013.45	1013.38	1013.30	1013.20	1013.13	1013.11	1013.07	1013.36

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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	1012.94	1012.92	1012.87	1012.90	1013.04	1013.12	1013.16	1013.21	1013.24	1013.28	1013.35	1013.44	1013.13
	1	1013.52	1013.53	1013.56	1013.68	1013.84	1013.99	1014.02	1014.03	1014.06	1014.07	1014.07	1014.08	1013.87
	2	1014.11	1014.20	1014.24	1014.24	1014.25	1014.31	1014.37	1014.39	1014.38	1014.37	1014.43	1014.45	1014.31
	3	1014.43	1014.43	1014.42	1014.42	1014.45	1014.50	1014.59	1014.63	1014.66	1014.71	1014.72	1014.72	1014.55
	4	1014.76	1014.83	1014.90	1014.94	1014.90	1014.89	1014.93	1014.95	1014.97	1015.03	1015.09	1015.13	1014.94
	5	1015.15	1015.18	1015.22	1015.23	1015.25	1015.29	1015.36	1015.47	1015.53	1015.55	1015.59	1015.63	1015.37
	6	1015.65	1015.73	1015.81	1015.90	1016.02	1016.09	1016.17	1016.27	1016.36	1016.40	1016.47	1016.56	1016.12
	7	1016.65	1016.76	1016.84	1016.89	1016.94	1017.05	1017.18	1017.26	1017.27	1017.29	1017.35	1017.46	1017.08
	8	1017.57	1017.65	1017.70	1017.75	1017.79	1017.80	1017.82	1017.88	1017.98	1018.05	1018.07	1018.08	1017.84
	9	1018.15	1018.18	1018.13	1018.13	1018.15	1018.16	1018.23	1018.30	1018.32	1018.29	1018.26	1018.22	1018.21
	10	1018.08	1018.08	1018.27	1018.28	1018.30	1018.49	1018.55	1018.46	1018.39	1018.32	1018.29	1018.25	1018.31
	11	1018.15	1018.19	1018.28	1018.40	1018.38	1018.24	1018.24	1018.23	1018.20	1018.18	1018.12	1018.03	1018.22
	12	1018.02	1018.03	1017.88	1017.79	1017.90	1017.91	1017.85	1017.77	1017.61	1017.50	1017.47	1017.44	1017.76
	13	1017.44	1017.52	1017.67	1017.73	1017.71	1017.75	1017.83	1017.88	1017.78	1017.71	1017.82	1017.95	1017.73
	14	1018.05	1018.11	1018.17	1018.13	1018.06	1018.06	1018.07	1018.10	1018.14	1018.18	1018.18	1018.14	1018.11
	15	1018.17	1018.23	1018.19	1018.13	1018.13	1018.15	1018.22	1018.25	1018.20	1018.19	1018.22	1018.24	1018.19
	16	1018.32	1018.48	1018.56	1018.60	1018.58	1018.58	1018.55	1018.49	1018.52	1018.60	1018.66	1018.76	1018.56
	17	1018.84	1018.84	1018.89	1019.04	1019.12	1019.06	1019.03	1019.02	1019.05	1019.19	1019.27	1019.21	1019.04
	18	1019.18	1019.24	1019.35	1019.43	1019.50	1019.62	1019.68	1019.70	1019.73	1019.69	1019.59	1019.55	1019.52
	19	1019.54	1019.56	1019.53	1019.50	1019.42	1019.30	1019.35	1019.39	1019.40	1019.48	1019.52	1019.58	1019.46
	20	1019.70	1019.72	1019.70	1019.67	1019.63	1019.63	1019.66	1019.70	1019.68	1019.63	1019.57	1019.51	1019.65
	21	1019.52	1019.57	1019.54	1019.54	1019.66	1019.74	1019.68	1019.69	1019.70	1019.66	1019.62	1019.58	1019.62
	22	1019.61	1019.66	1019.73	1019.74	1019.73	1019.67	1019.59	1019.63	1019.67	1019.72	1019.76	1019.76	1019.69
	23	1019.79	1019.83	1019.84	1019.80	1019.80	1019.82	1019.80	1019.83	1019.89	1019.88	1019.82	1019.76	1019.82
14	0	1019.75	1019.72	1019.66	1019.58	1019.56	1019.56	1019.51	1019.48	1019.45	1019.40	1019.36	1019.36	1019.52
	1	1019.38	1019.37	1019.32	1019.29	1019.28	1019.27	1019.28	1019.27	1019.29	1019.25	1019.27	1019.33	1019.30
	2	1019.33	1019.35	1019.32	1019.31	1019.28	1019.20	1019.11	1019.07	1019.05	1019.04	1019.04	1019.02	1019.17
	3	1018.95	1018.92	1018.91	1018.86	1018.81	1018.85	1018.89	1018.85	1018.77	1018.70	1018.69	1018.64	1018.82
	4	1018.66	1018.68	1018.63	1018.61	1018.51	1018.41	1018.42	1018.45	1018.44	1018.35	1018.27	1018.28	1018.47
	5	1018.34	1018.42	1018.47	1018.58	1018.69	1018.73	1018.72	1018.71	1018.74	1018.79	1018.87	1018.96	1018.67
	6	1019.02	1019.05	1019.10	1019.10	1018.99	1018.91	1018.87	1018.82	1018.86	1018.92	1018.94	1018.97	1018.96
	7	1018.95	1018.93	1018.94	1018.92	1018.84	1018.83	1018.83	1018.81	1018.83	1018.86	1018.92	1018.98	1018.88
	8	1019.01	1019.04	1019.04	1019.11	1019.20	1019.25	1019.28	1019.34	1019.40	1019.42	1019.45	1019.48	1019.25
	9	1019.50	1019.51	1019.57	1019.61	1019.62	1019.63	1019.63	1019.56	1019.49	1019.47	1019.45	1019.38	1019.53
	10	1019.28	1019.24	1019.17	1019.10	1019.06	1019.00	1018.95	1018.85	1018.73	1018.68	1018.59	1018.49	1018.93
	11	1018.43	1018.42	1018.36	1018.26	1018.23	1018.23	1018.21	1018.15	1018.08	1017.99	1017.90	1017.88	1018.18
	12	1017.91	1017.89	1017.85	1017.83	1017.77	1017.68	1017.62	1017.56	1017.46	1017.38	1017.35	1017.31	1017.63
	13	1017.28	1017.24	1017.20	1017.15	1017.12	1017.13	1017.13	1017.11	1017.10	1017.10	1017.07	1017.01	1017.13
	14	1017.00	1017.01	1017.04	1017.11	1017.15	1017.13	1017.10	1017.09	1017.09	1017.12	1017.14	1017.11	1017.09
	15	1017.13	1017.12	1017.06	1017.03	1017.06	1017.11	1017.13	1017.12	1017.10	1017.09	1017.14	1017.16	1017.10
	16	1017.12	1017.13	1017.19	1017.24	1017.28	1017.35	1017.44	1017.48	1017.46	1017.48	1017.54	1017.58	1017.35
	17	1017.59	1017.57	1017.54	1017.54	1017.54	1017.51	1017.51	1017.52	1017.50	1017.56	1017.63	1017.60	1017.55
	18	1017.59	1017.59	1017.60	1017.62	1017.62	1017.64	1017.61	1017.56	1017.56	1017.58	1017.57	1017.54	1017.59
	19	1017.52	1017.55	1017.60	1017.61	1017.60	1017.63	1017.64	1017.66	1017.67	1017.66	1017.70	1017.71	1017.63
	20	1017.69	1017.65	1017.67	1017.72	1017.73	1017.75	1017.76	1017.72	1017.70	1017.68	1017.65	1017.63	1017.69
	21	1017.62	1017.66	1017.70	1017.75	1017.80	1017.83	1017.86	1017.87	1017.83	1017.84	1017.85	1017.87	1017.79
	22	1017.92	1017.92	1017.89	1017.88	1017.86	1017.89	1017.94	1017.94	1017.93	1017.93	1017.93	1017.93	1017.91
	23	1017.95	1017.98	1018.01	1018.00	1017.97	1017.94	1017.92	1017.94	1017.90	1017.86	1017.81	1017.75	1017.92

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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	1017.63	1017.62	1017.60	1017.57	1017.54	1017.54	1017.53	1017.56	1017.61	1017.65	1017.66	1017.60	1017.59
	1	1017.55	1017.58	1017.60	1017.55	1017.52	1017.51	1017.50	1017.47	1017.43	1017.45	1017.47	1017.43	1017.50
	2	1017.37	1017.36	1017.33	1017.25	1017.14	1017.07	1017.04	1016.97	1016.97	1017.02	1017.04	1017.03	1017.13
	3	1016.99	1016.94	1016.87	1016.85	1016.90	1016.92	1016.96	1016.99	1016.97	1016.98	1016.99	1016.99	1016.94
	4	1016.95	1016.91	1016.89	1016.87	1016.86	1016.86	1016.89	1016.92	1016.96	1017.03	1017.07	1017.06	1016.94
	5	1017.09	1017.15	1017.18	1017.20	1017.21	1017.23	1017.25	1017.26	1017.24	1017.22	1017.17	1017.11	1017.19
	6	1017.04	1017.00	1017.01	1017.07	1017.14	1017.17	1017.18	1017.26	1017.33	1017.34	1017.39	1017.46	1017.20
	7	1017.46	1017.41	1017.39	1017.41	1017.46	1017.48	1017.40	1017.30	1017.25	1017.28	1017.34	1017.31	1017.37
	8	1017.26	1017.28	1017.32	1017.35	1017.36	1017.35	1017.37	1017.39	1017.39	1017.42	1017.47	1017.51	1017.37
	9	1017.51	1017.47	1017.44	1017.41	1017.42	1017.46	1017.50	1017.52	1017.51	1017.52	1017.50	1017.45	1017.47
	10	1017.41	1017.34	1017.29	1017.22	1017.14	1017.14	1017.09	1016.98	1016.90	1016.84	1016.81	1016.79	1017.08
	11	1016.69	1016.48	1016.34	1016.33	1016.30	1016.19	1016.06	1015.97	1015.97	1015.96	1015.84	1015.80	1016.16
	12	1015.77	1015.73	1015.78	1015.80	1015.74	1015.68	1015.67	1015.68	1015.66	1015.64	1015.66	1015.69	1015.71
	13	1015.70	1015.67	1015.69	1015.79	1015.82	1015.81	1015.79	1015.69	1015.57	1015.52	1015.50	1015.52	1015.67
	14	1015.53	1015.47	1015.41	1015.32	1015.28	1015.32	1015.41	1015.60	1015.81	1015.89	1015.85	1015.84	1015.56
	15	1015.95	1016.07	1016.13	1016.14	1016.09	1016.04	1016.03	1016.12	1016.23	1016.22	1016.11	1016.00	1016.09
	16	1015.99	1016.11	1016.20	1016.25	1016.27	1016.27	1016.31	1016.45	1016.60	1016.68	1016.73	1016.78	1016.38
	17	1016.80	1016.79	1016.73	1016.64	1016.56	1016.36	1016.23	1016.24	1016.09	1016.12	1016.28	1016.29	1016.43
	18	1016.23	1016.14	1016.24	1016.42	1016.52	1016.53	1016.51	1016.58	1016.59	1016.59	1016.73	1016.83	1016.49
	19	1016.89	1016.98	1017.03	1017.06	1017.10	1016.96	1016.81	1016.81	1016.82	1016.85	1016.88	1016.79	1016.91
	20	1016.76	1016.83	1016.86	1016.86	1016.89	1016.99	1017.07	1017.16	1017.22	1017.20	1017.20	1017.18	1017.02
	21	1017.17	1017.24	1017.34	1017.45	1017.53	1017.63	1017.70	1017.76	1017.89	1018.04	1018.15	1018.22	1017.68
	22	1018.31	1018.34	1018.32	1018.24	1018.12	1018.13	1018.17	1018.11	1018.06	1018.09	1018.10	1018.11	1018.17
	23	1018.11	1018.05	1018.01	1018.00	1017.96	1017.97	1018.01	1017.98	1017.90	1017.85	1017.85	1017.86	1017.96
16	0	1017.85	1017.76	1017.68	1017.76	1017.80	1017.84	1017.89	1017.83	1017.79	1017.89	1018.03	1018.05	1017.84
	1	1017.86	1017.74	1017.80	1017.84	1017.80	1017.68	1017.69	1017.85	1017.76	1017.70	1017.83	1017.84	1017.78
	2	1017.82	1017.76	1017.72	1017.76	1017.82	1017.83	1017.85	1017.97	1018.11	1018.13	1018.03	1017.89	1017.89
	3	1017.76	1017.67	1017.58	1017.48	1017.40	1017.39	1017.40	1017.31	1017.23	1017.19	1017.21	1017.28	1017.41
	4	1017.24	1017.13	1017.02	1016.97	1016.94	1016.85	1016.84	1017.00	1017.11	1017.04	1016.88	1016.69	1016.97
	5	1016.59	1016.58	1016.57	1016.55	1016.56	1016.47	1016.29	1016.16	1016.13	1016.25	1016.32	1016.29	1016.39
	6	1016.34	1016.37	1016.39	1016.46	1016.43	1016.31	1016.16	1016.04	1016.01	1016.00	1016.01	1016.03	1016.21
	7	1015.99	1015.84	1015.66	1015.56	1015.56	1015.54	1015.39	1015.21	1015.05	1015.10	1015.34	1015.43	1015.47
	8	1015.36	1015.21	1015.03	1014.92	1014.97	1015.00	1015.04	1015.08	1015.02	1015.01	1015.03	1015.08	1015.06
	9	1015.02	1014.86	1014.79	1014.77	1014.76	1014.66	1014.52	1014.49	1014.42	1014.35	1014.39	1014.38	1014.62
	10	1014.31	1014.22	1014.05	1013.91	1013.89	1013.83	1013.72	1013.41	1013.11	1013.03	1012.92	1012.73	1013.59
	11	1012.55	1012.38	1012.13	1011.96	1011.86	1011.74	1011.66	1011.66	1011.71	1011.54	1011.29	1011.09	1011.80
	12	1010.84	1010.63	1010.43	1010.20	1009.99	1009.85	1009.83	1009.80	1009.68	1009.48	1009.26	1009.09	1009.92
	13	1008.99	1008.93	1008.88	1008.84	1008.74	1008.61	1008.49	1008.38	1008.21	1008.08	1008.01	1007.87	1008.50
	14	1007.71	1007.61	1007.55	1007.51	1007.40	1007.29	1007.23	1007.19	1007.20	1007.21	1007.20	1007.24	1007.36
	15	1007.22	1006.91	1006.68	1006.59	1006.47	1006.34	1006.18	1005.96	1005.75	1005.56	1005.41	1005.36	1006.20
	16	1005.44	1005.32	1005.13	1004.95	1004.70	1004.46	1004.21	1004.02	1003.86	1003.85	1003.82	1003.64	1004.45
	17	1003.55	1003.44	1003.28	1003.19	1003.11	1003.04	1003.00	1003.02	1003.00	1002.83	1002.55	1002.24	1003.02
	18	1002.06	1002.01	1002.02	1001.94	1001.75	1001.63	1001.69	1001.70	1001.52	1001.29	1001.13	1001.02	1001.64
	19	1000.97	1001.01	1000.87	1000.70	1000.70	1000.68	1000.52	1000.36	1000.18	999.96	999.82	999.70	1000.45
	20	999.56	999.43	999.26	999.11	998.99	998.92	998.91	998.80	998.65	998.45	998.28	998.11	998.87
	21	997.96	997.99	998.06	997.98	997.82	997.64	997.40	997.22	997.11	997.11	997.07	996.98	997.53
	22	996.94	996.93	996.88	996.80	996.76	996.75	996.75	996.68	996.59	996.39	996.36	996.49	996.69
	23	996.45	996.43	996.36	996.18	996.10	996.04	995.94	995.97	996.08	996.16	996.29	996.40	996.20

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
17	0	996.60	996.75	996.90	996.88	996.82	996.81	996.81	996.81	996.81	996.83	996.95	996.99	996.84
	1	996.87	996.69	996.55	996.48	996.58	996.69	996.70	996.67	996.61	996.60	996.69	996.75	996.65
	2	996.89	997.19	997.36	997.32	997.23	997.29	997.40	997.35	997.26	997.36	997.34	997.20	997.26
	3	997.17	997.23	997.28	997.30	997.27	997.20	997.16	997.13	997.19	997.29	997.26	997.22	997.22
	4	997.29	997.35	997.41	997.36	997.27	997.42	997.63	997.74	997.74	997.74	997.79	997.82	997.54
	5	997.85	997.81	997.76	997.76	997.86	997.99	998.11	998.18	998.24	998.36	998.41	998.40	998.06
	6	998.38	998.37	998.41	998.37	998.33	998.38	998.53	998.63	998.70	998.75	998.64	998.67	998.51
	7	998.77	998.77	998.83	998.91	999.09	999.38	999.60	999.79	1000.20	1000.44	1000.47	1000.65	999.57
	8	1000.75	1000.63	1000.43	1000.35	1000.56	1000.75	1000.68	1000.63	1000.68	1000.74	1000.69	1000.66	1000.63
	9	1000.72	1000.80	1000.79	1000.76	1000.74	1000.73	1000.72	1000.80	1000.93	1001.34	1001.72	1001.91	1001.00
	10	1002.12	1002.31	1002.41	1002.25	1002.14	1002.32	1002.61	1002.78	1002.85	1002.80	1002.60	1002.57	1002.48
	11	1002.77	1002.79	1002.79	1002.75	1002.64	1002.75	1003.08	1003.27	1003.23	1003.35	1003.61	1003.73	1003.06
	12	1003.46	1002.80	1002.32	1002.16	1002.17	1002.36	1002.68	1003.16	1003.53	1003.79	1003.90	1003.64	1002.99
	13	1003.07	1002.90	1002.88	1002.74	1002.73	1002.77	1002.88	1002.97	1003.02	1002.99	1003.03	1003.10	1002.92
	14	1003.10	1003.11	1003.19	1003.33	1003.45	1003.53	1003.59	1003.58	1003.63	1003.83	1004.06	1004.37	1003.56
	15	1004.56	1004.61	1004.60	1004.49	1004.38	1004.53	1004.75	1004.78	1004.74	1004.71	1004.69	1004.68	1004.62
	16	1004.72	1004.82	1004.82	1004.77	1004.79	1004.83	1004.85	1004.92	1005.00	1005.04	1005.08	1005.07	1004.89
	17	1005.03	1005.03	1005.07	1005.12	1005.17	1005.14	1005.08	1005.06	1005.07	1005.16	1005.27	1005.33	1005.13
	18	1005.39	1005.46	1005.49	1005.52	1005.55	1005.60	1005.69	1005.76	1005.82	1005.90	1005.99	1006.03	1005.68
	19	1006.03	1005.99	1005.93	1005.88	1005.90	1005.97	1006.08	1006.30	1006.44	1006.44	1006.47	1006.52	1006.16
	20	1006.57	1006.56	1006.59	1006.64	1006.64	1006.66	1006.67	1006.66	1006.67	1006.69	1006.69	1006.72	1006.64
	21	1006.72	1006.72	1006.76	1006.81	1006.85	1006.85	1006.85	1006.88	1006.95	1007.01	1007.08	1007.16	1006.88
	22	1007.24	1007.33	1007.37	1007.36	1007.30	1007.24	1007.21	1007.28	1007.34	1007.31	1007.26	1007.25	1007.29
	23	1007.25	1007.23	1007.21	1007.18	1007.15	1007.12	1007.11	1007.10	1007.05	1006.96	1006.95	1007.02	1007.11
18	0	1007.04	1007.00	1006.95	1006.91	1006.89	1006.88	1006.87	1006.88	1006.91	1006.94	1007.00	1007.00	1006.93
	1	1006.97	1006.97	1007.03	1007.05	1007.04	1007.05	1007.07	1007.13	1007.14	1007.10	1007.05	1007.00	1007.05
	2	1006.96	1006.93	1006.89	1006.81	1006.79	1006.80	1006.75	1006.69	1006.62	1006.59	1006.60	1006.58	1006.75
	3	1006.51	1006.48	1006.55	1006.59	1006.60	1006.58	1006.47	1006.40	1006.43	1006.47	1006.43	1006.40	1006.49
	4	1006.43	1006.46	1006.48	1006.50	1006.53	1006.57	1006.63	1006.72	1006.74	1006.68	1006.66	1006.61	1006.58
	5	1006.55	1006.57	1006.60	1006.64	1006.67	1006.68	1006.69	1006.70	1006.71	1006.73	1006.79	1006.85	1006.68
	6	1006.89	1006.91	1006.85	1006.83	1006.94	1007.21	1007.38	1007.34	1007.28	1007.28	1007.31	1007.27	1007.12
	7	1007.21	1007.17	1007.13	1007.14	1007.10	1006.99	1006.89	1006.84	1006.87	1006.95	1006.94	1006.89	1007.01
	8	1006.87	1006.89	1006.94	1007.07	1007.15	1007.16	1007.24	1007.40	1007.48	1007.46	1007.47	1007.48	1007.22
	9	1007.44	1007.36	1007.33	1007.35	1007.34	1007.22	1007.05	1006.89	1006.83	1006.76	1006.70	1006.69	1007.08
	10	1006.61	1006.49	1006.37	1006.28	1006.24	1006.18	1006.07	1006.01	1005.98	1005.91	1005.81	1005.68	1006.13
	11	1005.60	1005.51	1005.40	1005.33	1005.27	1005.20	1005.13	1005.05	1004.98	1004.90	1004.83	1004.86	1005.17
	12	1004.85	1004.78	1004.75	1004.75	1004.76	1004.82	1004.86	1004.86	1004.87	1004.87	1004.86	1004.87	1004.82
	13	1004.89	1004.90	1004.88	1004.88	1004.90	1004.88	1004.86	1004.85	1004.83	1004.84	1004.90	1004.98	1004.88
	14	1005.07	1005.13	1005.16	1005.22	1005.27	1005.31	1005.39	1005.41	1005.36	1005.35	1005.37	1005.42	1005.29
	15	1005.45	1005.39	1005.38	1005.43	1005.43	1005.45	1005.48	1005.50	1005.51	1005.51	1005.54	1005.58	1005.47
	16	1005.58	1005.57	1005.62	1005.68	1005.66	1005.59	1005.57	1005.65	1005.72	1005.77	1005.82	1005.86	1005.67
	17	1005.90	1005.88	1005.82	1005.79	1005.80	1005.89	1005.99	1006.09	1006.18	1006.13	1006.08	1006.15	1005.97
	18	1006.20	1006.21	1006.27	1006.36	1006.41	1006.38	1006.39	1006.47	1006.48	1006.42	1006.40	1006.39	1006.36
	19	1006.36	1006.41	1006.39	1006.29	1006.27	1006.29	1006.30	1006.37	1006.43	1006.43	1006.45	1006.52	1006.37
	20	1006.55	1006.51	1006.47	1006.45	1006.49	1006.48	1006.41	1006.41	1006.37	1006.29	1006.28	1006.27	1006.41
	21	1006.23	1006.31	1006.50	1006.64	1006.75	1006.83	1006.84	1006.83	1006.83	1006.82	1006.80	1006.77	1006.68
	22	1006.79	1006.83	1006.82	1006.81	1006.80	1006.81	1006.83	1006.79	1006.72	1006.68	1006.69	1006.74	1006.77
	23	1006.81	1006.87	1006.88	1006.90	1006.93	1006.92	1006.88	1006.80	1006.77	1006.79	1006.82	1006.89	1006.85

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day	hh	00_05	05_10	10_15	15_20	20_25	25_30	30_35	35_40	40_45	45_50	50_55	55_60	average
19	0	1006.91	1006.89	1006.85	1006.86	1006.88	1006.88	1006.87	1006.84	1006.81	1006.85	1006.92	1006.95	1006.87
	1	1006.96	1006.98	1007.00	1007.01	1007.04	1007.08	1007.10	1007.08	1007.00	1006.93	1006.94	1006.99	1007.01
	2	1007.05	1007.05	1007.04	1007.00	1007.01	1007.03	1006.97	1006.95	1006.94	1006.91	1006.94	1006.97	1006.99
	3	1006.98	1006.98	1007.03	1007.09	1007.10	1007.10	1007.14	1007.22	1007.30	1007.34	1007.37	1007.42	1007.17
	4	1007.50	1007.52	1007.50	1007.52	1007.54	1007.55	1007.54	1007.53	1007.58	1007.62	1007.63	1007.66	1007.55
	5	1007.68	1007.74	1007.80	1007.80	1007.81	1007.83	1007.85	1007.91	1007.98	1008.04	1008.08	1008.19	1007.89
	6	1008.33	1008.40	1008.48	1008.58	1008.62	1008.68	1008.75	1008.82	1008.90	1008.94	1008.96	1009.02	1008.70
	7	1009.08	1009.12	1009.15	1009.18	1009.22	1009.23	1009.25	1009.30	1009.37	1009.41	1009.39	1009.42	1009.26
	8	1009.51	1009.60	1009.65	1009.67	1009.73	1009.78	1009.79	1009.81	1009.87	1009.96	1010.06	1010.11	1009.79
	9	1010.16	1010.23	1010.28	1010.33	1010.37	1010.38	1010.39	1010.43	1010.48	1010.48	1010.43	1010.37	1010.36
	10	1010.32	1010.28	1010.20	1010.15	1010.09	1009.99	1009.97	1010.01	1010.06	1010.07	1010.06	1010.07	1010.10
	11	1010.08	1010.13	1010.16	1010.13	1010.08	1010.05	1010.04	1009.98	1009.88	1009.87	1009.87	1009.85	1010.01
	12	1009.84	1009.83	1009.89	1009.92	1009.92	1009.94	1009.91	1009.84	1009.74	1009.68	1009.70	1009.73	1009.82
	13	1009.75	1009.75	1009.73	1009.74	1009.79	1009.80	1009.85	1009.91	1009.87	1009.90	1009.98	1010.08	1009.84
	14	1010.18	1010.25	1010.33	1010.38	1010.45	1010.50	1010.57	1010.65	1010.70	1010.74	1010.76	1010.80	1010.52
	15	1010.85	1010.85	1010.83	1010.85	1010.90	1010.92	1010.92	1010.96	1011.03	1011.07	1011.12	1011.19	1010.96
	16	1011.29	1011.39	1011.44	1011.45	1011.48	1011.50	1011.56	1011.65	1011.72	1011.78	1011.80	1011.79	1011.57
	17	1011.83	1011.83	1011.78	1011.81	1011.90	1011.98	1012.05	1012.12	1012.20	1012.22	1012.24	1012.29	1012.02
	18	1012.33	1012.43	1012.50	1012.47	1012.48	1012.53	1012.57	1012.61	1012.66	1012.68	1012.72	1012.72	1012.55
	19	1012.69	1012.68	1012.66	1012.62	1012.59	1012.62	1012.67	1012.69	1012.72	1012.78	1012.87	1012.97	1012.71
	20	1013.03	1013.04	1013.04	1013.01	1012.99	1012.97	1012.96	1012.98	1013.02	1013.03	1013.06	1013.13	1013.02
	21	1013.17	1013.23	1013.30	1013.30	1013.27	1013.27	1013.29	1013.29	1013.27	1013.28	1013.37	1013.42	1013.29
	22	1013.39	1013.37	1013.36	1013.35	1013.37	1013.42	1013.42	1013.37	1013.35	1013.37	1013.39	1013.40	1013.38
	23	1013.40	1013.42	1013.44	1013.41	1013.38	1013.38	1013.41	1013.43	1013.45	1013.46	1013.47	1013.49	1013.42
20	0	1013.48	1013.48	1013.48	1013.47	1013.47	1013.49	1013.50	1013.52	1013.56	1013.66	1013.73	1013.73	1013.55
	1	1013.76	1013.82	1013.87	1013.91	1013.94	1013.96	1013.98	1014.02	1014.09	1014.18	1014.23	1014.26	1014.00
	2	1014.30	1014.30	1014.27	1014.25	1014.27	1014.25	1014.16	1014.10	1014.08	1014.05	1014.03	1014.02	1014.17
	3	1014.00	1013.97	1014.00	1014.02	1013.99	1014.00	1014.02	1013.97	1013.97	1013.98	1013.98	1014.01	1013.99
	4	1014.03	1014.06	1014.13	1014.15	1014.17	1014.23	1014.32	1014.41	1014.48	1014.56	1014.63	1014.65	1014.32
	5	1014.64	1014.69	1014.77	1014.87	1014.97	1014.99	1015.01	1015.04	1015.07	1015.11	1015.17	1015.22	1014.96
	6	1015.25	1015.27	1015.29	1015.39	1015.46	1015.47	1015.49	1015.49	1015.49	1015.49	1015.50	1015.56	1015.43
	7	1015.62	1015.67	1015.69	1015.71	1015.73	1015.77	1015.83	1015.85	1015.86	1015.91	1015.97	1016.00	1015.80
	8	1016.05	1016.07	1016.05	1016.09	1016.13	1016.12	1016.11	1016.15	1016.17	1016.16	1016.16	1016.18	1016.12
	9	1016.20	1016.23	1016.25	1016.24	1016.24	1016.24	1016.24	1016.22	1016.24	1016.28	1016.24	1016.17	1016.23
	10	1016.11	1016.05	1015.99	1015.89	1015.80	1015.76	1015.72	1015.62	1015.53	1015.44	1015.35	1015.27	1015.71
	11	1015.22	1015.19	1015.15	1015.10	1015.05	1014.97	1014.90	1014.85	1014.80	1014.74	1014.68	1014.59	1014.93
	12	1014.52	1014.45	1014.41	1014.39	1014.35	1014.29	1014.25	1014.22	1014.18	1014.18	1014.19	1014.14	1014.30
	13	1014.08	1014.01	1013.97	1013.93	1013.84	1013.76	1013.67	1013.58	1013.52	1013.48	1013.45	1013.42	1013.72
	14	1013.38	1013.39	1013.40	1013.37	1013.33	1013.30	1013.28	1013.29	1013.26	1013.25	1013.31	1013.34	1013.32
	15	1013.32	1013.22	1013.09	1012.97	1012.89	1012.92	1012.98	1012.99	1012.94	1012.87	1012.82	1012.78	1012.98
	16	1012.71	1012.61	1012.51	1012.43	1012.31	1012.26	1012.26	1012.24	1012.30	1012.38	1012.40	1012.36	1012.40
	17	1012.26	1012.18	1012.16	1012.16	1012.10	1012.04	1012.01	1011.95	1011.92	1011.92	1011.87	1011.77	1012.03
	18	1011.70	1011.74	1011.74	1011.71	1011.72	1011.72	1011.74	1011.76	1011.73	1011.66	1011.62	1011.61	1011.70
	19	1011.58	1011.54	1011.54	1011.56	1011.60	1011.62	1011.59	1011.57	1011.59	1011.62	1011.60	1011.57	1011.58
	20	1011.53	1011.45	1011.38	1011.33	1011.32	1011.29	1011.26	1011.25	1011.28	1011.32	1011.31	1011.27	1011.33
	21	1011.23	1011.18	1011.11	1011.04	1010.95	1010.87	1010.82	1010.79	1010.78	1010.77	1010.77	1010.80	1010.92
	22	1010.80	1010.75	1010.69	1010.66	1010.63	1010.57	1010.50	1010.43	1010.37	1010.32	1010.28	1010.25	1010.52
	23	1010.20	1010.15	1010.12	1010.09	1010.06	1010.06	1010.09	1010.14	1010.17	1010.16	1010.15	1010.15	1010.13

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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
21	0	1010.10	1010.09	1010.07	1010.07	1010.08	1010.03	1010.01	1010.06	1010.07	1010.04	1010.02	1009.99	1010.05
	1	1009.94	1009.89	1009.87	1009.86	1009.88	1009.95	1010.04	1010.11	1010.15	1010.17	1010.20	1010.20	1010.02
	2	1010.18	1010.17	1010.15	1010.11	1010.07	1010.05	1010.08	1010.05	1010.01	1010.02	1010.03	1010.03	1010.08
	3	1010.06	1010.11	1010.12	1010.13	1010.15	1010.18	1010.23	1010.24	1010.24	1010.28	1010.34	1010.40	1010.20
	4	1010.44	1010.48	1010.51	1010.52	1010.50	1010.50	1010.51	1010.58	1010.63	1010.65	1010.68	1010.68	1010.55
	5	1010.70	1010.76	1010.85	1010.92	1010.98	1011.06	1011.10	1011.14	1011.19	1011.21	1011.29	1011.42	1011.05
	6	1011.50	1011.57	1011.63	1011.64	1011.67	1011.68	1011.69	1011.77	1011.84	1011.91	1011.92	1011.84	1011.72
	7	1011.80	1011.86	1011.94	1012.01	1012.06	1012.13	1012.23	1012.29	1012.32	1012.37	1012.41	1012.42	1012.15
	8	1012.47	1012.54	1012.56	1012.59	1012.62	1012.62	1012.64	1012.66	1012.70	1012.72	1012.75	1012.82	1012.64
	9	1012.88	1012.89	1012.85	1012.83	1012.81	1012.79	1012.77	1012.76	1012.73	1012.71	1012.69	1012.68	1012.78
	10	1012.68	1012.66	1012.59	1012.55	1012.52	1012.48	1012.48	1012.49	1012.47	1012.44	1012.36	1012.27	1012.50
	11	1012.21	1012.20	1012.21	1012.22	1012.19	1012.13	1012.09	1012.06	1012.01	1011.97	1011.98	1012.00	1012.10
	12	1011.98	1011.95	1011.93	1011.89	1011.86	1011.83	1011.81	1011.78	1011.73	1011.69	1011.67	1011.64	1011.81
	13	1011.63	1011.66	1011.67	1011.69	1011.71	1011.71	1011.69	1011.67	1011.65	1011.65	1011.63	1011.59	1011.66
	14	1011.62	1011.65	1011.61	1011.59	1011.60	1011.64	1011.65	1011.64	1011.66	1011.69	1011.73	1011.75	1011.65
	15	1011.73	1011.67	1011.65	1011.66	1011.63	1011.65	1011.72	1011.78	1011.85	1011.92	1011.96	1011.98	1011.76
	16	1011.99	1012.01	1012.05	1012.11	1012.23	1012.28	1012.23	1012.21	1012.25	1012.32	1012.41	1012.47	1012.21
	17	1012.53	1012.63	1012.71	1012.74	1012.71	1012.68	1012.66	1012.66	1012.68	1012.73	1012.79	1012.82	1012.69
	18	1012.80	1012.82	1012.89	1012.89	1012.89	1012.92	1012.92	1012.91	1012.92	1012.96	1013.00	1013.03	1012.91
	19	1013.05	1013.06	1013.04	1013.10	1013.15	1013.11	1013.11	1013.15	1013.21	1013.23	1013.22	1013.22	1013.14
	20	1013.23	1013.21	1013.15	1013.14	1013.18	1013.19	1013.19	1013.22	1013.21	1013.17	1013.17	1013.19	1013.18
	21	1013.18	1013.18	1013.18	1013.20	1013.24	1013.32	1013.38	1013.41	1013.46	1013.47	1013.48	1013.49	1013.33
	22	1013.48	1013.48	1013.48	1013.42	1013.31	1013.26	1013.29	1013.33	1013.35	1013.37	1013.37	1013.38	1013.37
	23	1013.40	1013.40	1013.40	1013.38	1013.34	1013.30	1013.24	1013.25	1013.30	1013.30	1013.27	1013.25	1013.32
22	0	1013.20	1013.20	1013.23	1013.29	1013.34	1013.41	1013.45	1013.47	1013.48	1013.52	1013.56	1013.59	1013.40
	1	1013.63	1013.67	1013.71	1013.76	1013.81	1013.87	1013.93	1013.96	1013.94	1013.95	1013.97	1013.93	1013.84
	2	1013.86	1013.81	1013.79	1013.82	1013.81	1013.83	1013.88	1013.91	1013.94	1013.93	1013.92	1013.91	1013.87
	3	1013.91	1013.94	1014.00	1014.02	1014.03	1014.01	1014.00	1014.03	1014.01	1014.00	1014.05	1014.14	1014.01
	4	1014.22	1014.24	1014.25	1014.25	1014.29	1014.38	1014.51	1014.64	1014.66	1014.63	1014.59	1014.54	1014.43
	5	1014.56	1014.58	1014.60	1014.76	1014.89	1014.90	1014.90	1014.90	1014.94	1015.05	1015.16	1015.19	1014.87
	6	1015.19	1015.24	1015.30	1015.33	1015.34	1015.36	1015.49	1015.63	1015.71	1015.73	1015.67	1015.66	1015.47
	7	1015.74	1015.84	1015.92	1015.97	1016.04	1016.11	1016.19	1016.35	1016.51	1016.61	1016.64	1016.66	1016.21
	8	1016.68	1016.71	1016.75	1016.78	1016.84	1016.92	1016.97	1017.03	1017.07	1017.08	1017.09	1017.09	1016.92
	9	1017.09	1017.09	1017.06	1017.06	1017.13	1017.21	1017.25	1017.24	1017.20	1017.15	1017.15	1017.15	1017.15
	10	1017.13	1017.10	1017.05	1016.99	1016.91	1016.88	1016.83	1016.72	1016.67	1016.69	1016.67	1016.64	1016.85
	11	1016.64	1016.60	1016.57	1016.51	1016.41	1016.35	1016.31	1016.28	1016.22	1016.19	1016.19	1016.13	1016.36
	12	1016.12	1016.12	1016.01	1015.95	1015.92	1015.87	1015.84	1015.83	1015.80	1015.75	1015.72	1015.69	1015.88
	13	1015.69	1015.72	1015.74	1015.74	1015.74	1015.76	1015.80	1015.85	1015.84	1015.84	1015.92	1015.97	1015.80
	14	1016.04	1016.11	1016.14	1016.12	1016.10	1016.12	1016.21	1016.31	1016.35	1016.34	1016.30	1016.28	1016.20
	15	1016.27	1016.29	1016.33	1016.36	1016.38	1016.44	1016.49	1016.52	1016.58	1016.64	1016.68	1016.72	1016.47
	16	1016.75	1016.79	1016.86	1016.92	1016.95	1016.97	1017.02	1017.06	1017.09	1017.09	1017.12	1017.15	1016.98
	17	1017.13	1017.15	1017.18	1017.21	1017.27	1017.35	1017.41	1017.49	1017.59	1017.66	1017.71	1017.74	1017.41
	18	1017.73	1017.75	1017.85	1017.92	1017.95	1017.96	1018.01	1018.08	1018.06	1018.08	1018.13	1018.16	1017.97
	19	1018.19	1018.21	1018.18	1018.18	1018.21	1018.23	1018.21	1018.20	1018.18	1018.19	1018.24	1018.18	1018.20
	20	1018.16	1018.21	1018.22	1018.20	1018.19	1018.20	1018.18	1018.16	1018.17	1018.16	1018.18	1018.26	1018.19
	21	1018.28	1018.26	1018.25	1018.26	1018.31	1018.37	1018.40	1018.41	1018.42	1018.42	1018.48	1018.53	1018.36
	22	1018.51	1018.45	1018.39	1018.38	1018.41	1018.42	1018.43	1018.37	1018.33	1018.39	1018.42	1018.37	1018.40
	23	1018.32	1018.33	1018.32	1018.31	1018.33	1018.37	1018.44	1018.43	1018.38	1018.40	1018.39	1018.37	1018.36

S.V.I.R.CO. Observatory - Pressure in hectoPascal – December 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
23	0	1018.40	1018.39	1018.40	1018.40	1018.35	1018.34	1018.40	1018.47	1018.56	1018.60	1018.57	1018.60	1018.46
	1	1018.69	1018.76	1018.81	1018.83	1018.86	1018.89	1018.85	1018.86	1018.92	1018.86	1018.81	1018.79	1018.82
	2	1018.77	1018.80	1018.77	1018.67	1018.64	1018.66	1018.64	1018.62	1018.60	1018.48	1018.39	1018.38	1018.62
	3	1018.40	1018.38	1018.32	1018.32	1018.36	1018.38	1018.35	1018.32	1018.36	1018.40	1018.39	1018.46	1018.37
	4	1018.52	1018.54	1018.60	1018.60	1018.57	1018.58	1018.65	1018.71	1018.73	1018.79	1018.82	1018.78	1018.66
	5	1018.77	1018.83	1018.88	1018.95	1019.02	1019.03	1019.11	1019.21	1019.25	1019.27	1019.27	1019.34	1019.07
	6	1019.42	1019.49	1019.55	1019.59	1019.59	1019.54	1019.56	1019.63	1019.61	1019.57	1019.62	1019.65	1019.57
	7	1019.66	1019.68	1019.73	1019.80	1019.84	1019.89	1019.93	1019.98	1019.99	1019.96	1019.96	1019.94	1019.86
	8	1019.96	1020.07	1020.17	1020.23	1020.26	1020.30	1020.38	1020.43	1020.43	1020.39	1020.39	1020.45	1020.29
	9	1020.47	1020.44	1020.42	1020.40	1020.35	1020.32	1020.28	1020.26	1020.26	1020.27	1020.27	1020.21	1020.33
	10	1020.14	1020.11	1020.07	1020.01	1019.93	1019.86	1019.82	1019.76	1019.72	1019.73	1019.71	1019.67	1019.88
	11	1019.68	1019.65	1019.57	1019.50	1019.41	1019.30	1019.23	1019.20	1019.16	1019.13	1019.13	1019.14	1019.34
	12	1019.13	1019.09	1019.06	1019.01	1018.92	1018.81	1018.73	1018.70	1018.70	1018.70	1018.64	1018.59	1018.84
	13	1018.58	1018.61	1018.62	1018.60	1018.57	1018.52	1018.49	1018.50	1018.48	1018.48	1018.51	1018.53	1018.54
	14	1018.54	1018.53	1018.51	1018.50	1018.53	1018.59	1018.63	1018.61	1018.60	1018.63	1018.67	1018.72	1018.58
	15	1018.77	1018.80	1018.82	1018.83	1018.85	1018.85	1018.90	1018.96	1019.02	1019.08	1019.09	1019.07	1018.92
	16	1019.04	1018.99	1018.99	1019.05	1019.08	1019.09	1019.14	1019.18	1019.24	1019.29	1019.31	1019.36	1019.14
	17	1019.44	1019.55	1019.63	1019.69	1019.74	1019.75	1019.85	1019.97	1020.05	1020.09	1020.10	1020.19	1019.84
	18	1020.29	1020.33	1020.36	1020.32	1020.25	1020.27	1020.30	1020.23	1020.15	1020.18	1020.28	1020.32	1020.27
	19	1020.37	1020.45	1020.49	1020.55	1020.68	1020.78	1020.77	1020.76	1020.77	1020.81	1020.82	1020.79	1020.67
	20	1020.80	1020.81	1020.79	1020.75	1020.68	1020.66	1020.72	1020.76	1020.80	1020.87	1020.88	1020.85	1020.78
	21	1020.83	1020.83	1020.82	1020.82	1020.83	1020.83	1020.75	1020.61	1020.51	1020.50	1020.46	1020.35	1020.68
	22	1020.26	1020.25	1020.25	1020.19	1020.15	1020.16	1020.14	1020.05	1019.99	1019.91	1019.85	1019.87	1020.09
	23	1019.86	1019.82	1019.83	1019.86	1019.84	1019.78	1019.72	1019.65	1019.59	1019.53	1019.43	1019.38	1019.69
24	0	1019.31	1019.30	1019.26	1019.22	1019.19	1019.16	1019.16	1019.15	1019.12	1019.15	1019.22	1019.25	1019.20
	1	1019.23	1019.23	1019.24	1019.27	1019.30	1019.31	1019.31	1019.32	1019.31	1019.26	1019.25	1019.27	1019.27
	2	1019.26	1019.18	1019.11	1019.08	1019.05	1019.03	1018.99	1018.94	1018.93	1018.92	1018.93	1018.94	1019.03
	3	1018.90	1018.85	1018.78	1018.71	1018.69	1018.69	1018.66	1018.62	1018.61	1018.64	1018.67	1018.60	1018.70
	4	1018.48	1018.40	1018.33	1018.26	1018.23	1018.21	1018.20	1018.21	1018.17	1018.12	1018.09	1018.06	1018.23
	5	1018.06	1018.06	1018.04	1018.02	1018.03	1018.04	1018.05	1018.04	1017.99	1017.96	1017.97	1018.00	1018.02
	6	1018.05	1018.07	1018.09	1018.12	1018.14	1018.15	1018.19	1018.17	1018.07	1017.94	1017.85	1017.80	1018.05
	7	1017.74	1017.67	1017.53	1017.30	1017.21	1017.26	1017.25	1017.31	1017.40	1017.36	1017.36	1017.34	1017.39
	8	1017.24	1017.16	1017.12	1017.15	1017.24	1017.23	1017.09	1016.97	1016.90	1016.81	1016.77	1016.75	1017.03
	9	1016.68	1016.61	1016.56	1016.57	1016.55	1016.48	1016.43	1016.30	1016.06	1015.95	1015.91	1015.81	1016.32
	10	1015.77	1015.80	1015.78	1015.72	1015.63	1015.49	1015.42	1015.36	1015.27	1015.15	1015.03	1014.92	1015.44
	11	1014.80	1014.69	1014.57	1014.44	1014.34	1014.21	1014.07	1013.90	1013.72	1013.58	1013.39	1013.28	1014.08
	12	1013.37	1013.45	1013.49	1013.51	1013.41	1013.24	1013.03	1012.85	1012.78	1012.81	1012.78	1012.67	1013.11
	13	1012.60	1012.60	1012.54	1012.48	1012.48	1012.43	1012.33	1012.33	1012.33	1012.17	1012.03	1012.05	1012.36
	14	1012.07	1012.01	1011.95	1011.89	1011.80	1011.71	1011.71	1011.74	1011.68	1011.56	1011.42	1011.31	1011.73
	15	1011.28	1011.30	1011.32	1011.31	1011.32	1011.34	1011.34	1011.28	1011.18	1011.03	1010.75	1010.57	1011.17
	16	1010.60	1010.75	1010.98	1010.97	1010.89	1010.88	1010.85	1010.85	1010.86	1010.91	1010.92	1010.91	1010.86
	17	1010.93	1010.90	1010.97	1011.12	1011.19	1011.25	1011.28	1011.28	1011.29	1011.29	1011.25	1011.18	1011.16
	18	1011.15	1011.17	1011.20	1011.23	1011.27	1011.27	1011.33	1011.35	1011.23	1011.24	1011.37	1011.39	1011.26
	19	1011.34	1011.31	1011.26	1011.23	1011.26	1011.23	1011.18	1011.22	1011.28	1011.30	1011.27	1011.21	1011.25
	20	1011.18	1011.19	1011.23	1011.23	1011.26	1011.32	1011.35	1011.35	1011.37	1011.47	1011.62	1011.69	1011.35
	21	1011.74	1011.83	1011.90	1011.94	1012.01	1012.09	1012.21	1012.36	1012.41	1012.39	1012.43	1012.55	1012.15
	22	1012.67	1012.76	1012.89	1012.92	1012.93	1012.94	1012.92	1012.91	1012.94	1013.05	1013.10	1013.08	1012.92
	23	1013.08	1013.08	1013.05	1013.00	1012.98	1013.03	1013.06	1013.07	1013.07	1013.07	1013.10	1013.09	1013.05

S.V.I.R.CO. Observatory - Pressure in hectoPascal – December 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
25	0	1013.07	1013.08	1013.11	1013.11	1013.10	1013.18	1013.30	1013.41	1013.54	1013.64	1013.73	1013.85	1013.35
	1	1013.97	1014.08	1014.17	1014.21	1014.28	1014.35	1014.42	1014.49	1014.55	1014.63	1014.71	1014.77	1014.38
	2	1014.85	1014.95	1014.98	1015.00	1015.00	1015.00	1015.02	1015.02	1015.06	1015.12	1015.14	1015.19	1015.02
	3	1015.24	1015.21	1015.20	1015.23	1015.26	1015.36	1015.42	1015.44	1015.52	1015.58	1015.68	1015.75	1015.41
	4	1015.79	1015.86	1015.92	1015.98	1016.05	1016.10	1016.11	1016.15	1016.23	1016.30	1016.32	1016.42	1016.10
	5	1016.53	1016.64	1016.75	1016.80	1016.85	1016.90	1016.99	1017.09	1017.19	1017.31	1017.40	1017.48	1016.99
	6	1017.57	1017.64	1017.68	1017.71	1017.75	1017.83	1017.90	1017.99	1018.13	1018.24	1018.35	1018.46	1017.93
	7	1018.54	1018.63	1018.74	1018.85	1018.97	1019.10	1019.23	1019.37	1019.49	1019.57	1019.62	1019.68	1019.15
	8	1019.79	1019.94	1020.08	1020.18	1020.25	1020.28	1020.37	1020.50	1020.61	1020.74	1020.85	1020.97	1020.38
	9	1021.07	1021.14	1021.20	1021.25	1021.33	1021.37	1021.36	1021.38	1021.40	1021.40	1021.40	1021.43	1021.31
	10	1021.50	1021.54	1021.59	1021.66	1021.67	1021.67	1021.70	1021.70	1021.73	1021.75	1021.76	1021.76	1021.67
	11	1021.75	1021.76	1021.74	1021.71	1021.72	1021.69	1021.63	1021.59	1021.59	1021.55	1021.50	1021.51	1021.64
	12	1021.53	1021.55	1021.58	1021.61	1021.67	1021.74	1021.77	1021.77	1021.80	1021.80	1021.78	1021.83	1021.70
	13	1021.90	1021.93	1021.98	1022.01	1022.08	1022.17	1022.22	1022.26	1022.34	1022.39	1022.45	1022.52	1022.19
	14	1022.57	1022.65	1022.71	1022.72	1022.75	1022.81	1022.86	1022.89	1022.90	1022.92	1022.97	1023.04	1022.81
	15	1023.12	1023.18	1023.17	1023.19	1023.23	1023.29	1023.36	1023.41	1023.46	1023.55	1023.61	1023.65	1023.35
	16	1023.70	1023.75	1023.85	1023.95	1023.99	1024.03	1024.08	1024.14	1024.19	1024.20	1024.20	1024.20	1024.02
	17	1024.24	1024.31	1024.36	1024.37	1024.39	1024.42	1024.47	1024.54	1024.61	1024.63	1024.62	1024.64	1024.46
	18	1024.73	1024.77	1024.78	1024.81	1024.82	1024.84	1024.90	1024.94	1024.97	1025.06	1025.15	1025.22	1024.91
	19	1025.27	1025.33	1025.43	1025.50	1025.51	1025.54	1025.59	1025.64	1025.68	1025.74	1025.81	1025.85	1025.57
	20	1025.92	1025.97	1026.04	1026.10	1026.14	1026.16	1026.19	1026.23	1026.26	1026.32	1026.39	1026.49	1026.18
	21	1026.61	1026.67	1026.68	1026.71	1026.69	1026.68	1026.73	1026.79	1026.84	1026.91	1026.95	1026.97	1026.77
	22	1026.99	1027.03	1027.06	1027.04	1027.03	1027.06	1027.09	1027.11	1027.17	1027.21	1027.23	1027.26	1027.10
	23	1027.27	1027.27	1027.26	1027.24	1027.22	1027.22	1027.18	1027.16	1027.22	1027.26	1027.26	1027.26	1027.23
26	0	1027.29	1027.32	1027.34	1027.37	1027.42	1027.41	1027.45	1027.52	1027.57	1027.65	1027.69	1027.73	1027.49
	1	1027.82	1027.85	1027.88	1027.91	1027.89	1027.88	1027.93	1028.00	1027.98	1027.97	1027.98	1028.00	1027.92
	2	1028.05	1028.09	1028.15	1028.19	1028.19	1028.20	1028.22	1028.25	1028.26	1028.20	1028.14	1028.14	1028.17
	3	1028.15	1028.23	1028.35	1028.42	1028.46	1028.49	1028.52	1028.51	1028.48	1028.49	1028.53	1028.54	1028.43
	4	1028.53	1028.53	1028.52	1028.48	1028.48	1028.52	1028.53	1028.55	1028.57	1028.56	1028.60	1028.66	1028.54
	5	1028.72	1028.75	1028.74	1028.74	1028.81	1028.87	1028.95	1029.08	1029.21	1029.28	1029.31	1029.33	1028.98
	6	1029.33	1029.32	1029.33	1029.38	1029.42	1029.44	1029.47	1029.50	1029.52	1029.54	1029.55	1029.57	1029.44
	7	1029.57	1029.56	1029.61	1029.69	1029.81	1029.90	1029.93	1029.92	1029.89	1029.91	1029.96	1030.00	1029.81
	8	1029.99	1030.00	1030.02	1030.05	1030.14	1030.22	1030.27	1030.21	1030.13	1030.12	1030.12	1030.12	1030.11
	9	1030.14	1030.19	1030.26	1030.32	1030.33	1030.28	1030.28	1030.32	1030.29	1030.22	1030.19	1030.21	1030.25
	10	1030.21	1030.19	1030.19	1030.20	1030.19	1030.14	1030.08	1030.03	1029.96	1029.86	1029.81	1029.81	1030.05
	11	1029.76	1029.61	1029.44	1029.35	1029.28	1029.23	1029.22	1029.13	1029.04	1028.98	1028.94	1028.94	1029.24
	12	1028.92	1028.90	1028.88	1028.81	1028.69	1028.63	1028.64	1028.66	1028.69	1028.72	1028.76	1028.77	1028.75
	13	1028.76	1028.75	1028.72	1028.69	1028.68	1028.65	1028.65	1028.67	1028.69	1028.71	1028.72	1028.73	1028.70

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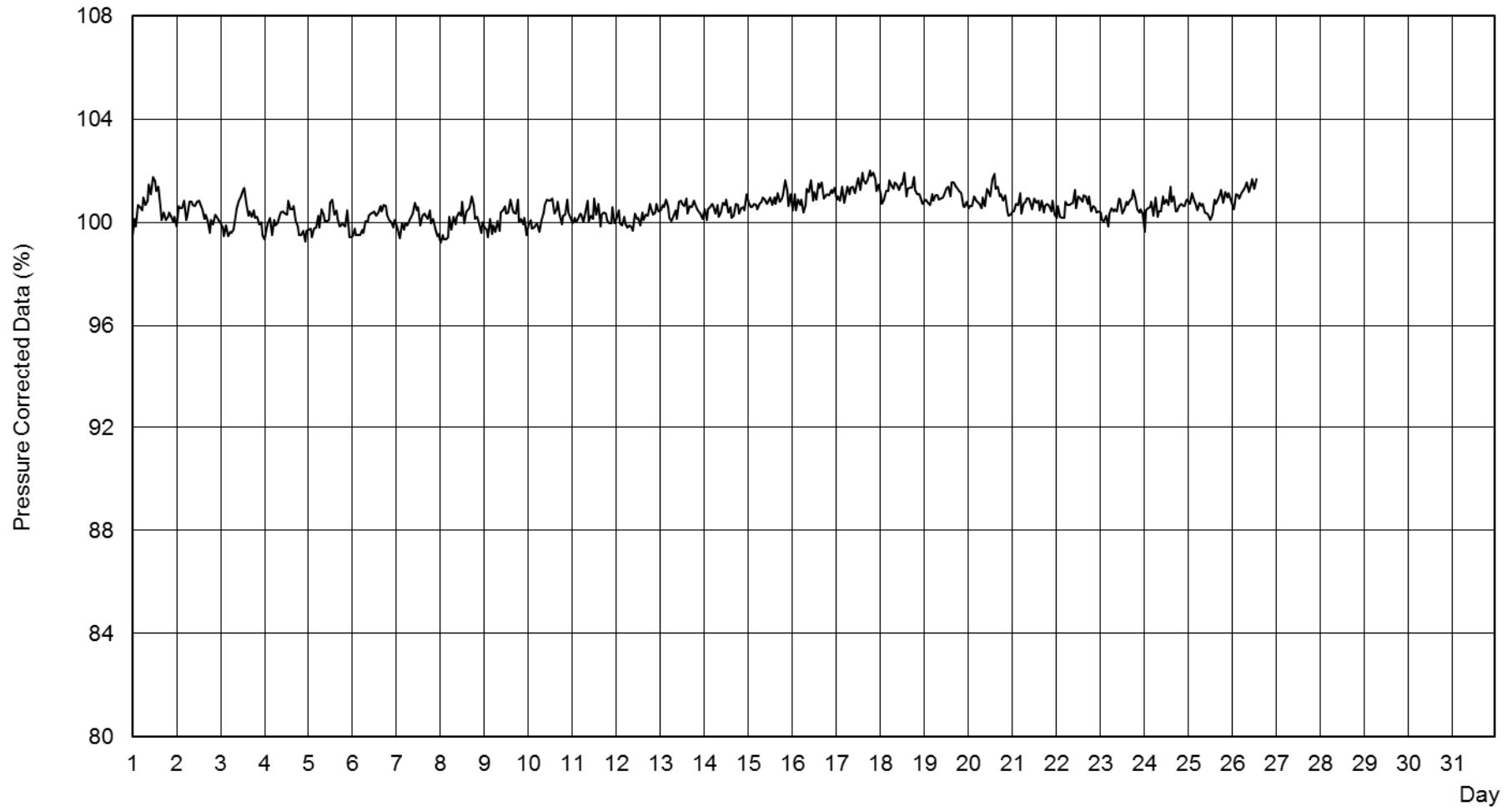
S.V.I.R.CO. Observatory - Pressure in hectoPascal – December 2011

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

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



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

