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SVIRCO DATA: January to December 2011

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Abstract

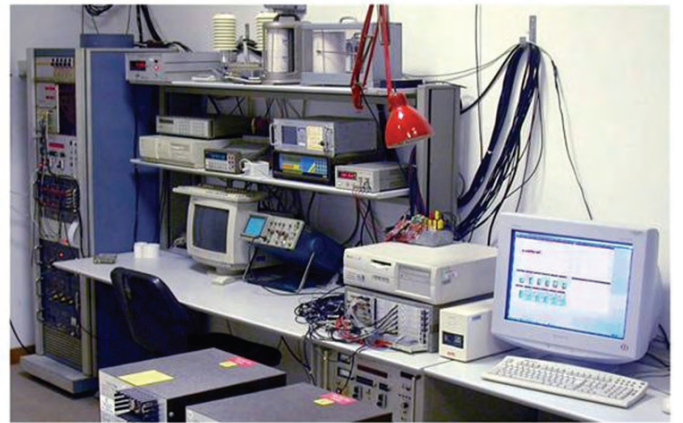
The pressure corrected intensity of the nucleonic component, produced by primary cosmic rays and recorded by the Rome Neutron Monitor, is reported for the period January to December 2011, together with the barometric pressure data, in tabular and graphic form.



S.V.I.R.CO. Observatory

Rome

Italy



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 into 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/IIAPS-UNIRomaTre collaboration) is housed in a reserved building provided with a double air-conditioning system. The room temperature is maintained in a range of 23°-28° C, meanwhile the relative humidity is kept below 60%. Either the ambient parameters are continuously checked and recorded by digital sensors. Their time histories have been plotted in this report.

On January 1, 2005 three counters were added to the detector. After this upgrade, from 17 to 20 NM-64, the SVIRCO neutron monitor is still composed by 5 sections, but the arrangement varied as follow: 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 one of the 20 BF₃ proportional counters (BP-28 type) is equipped with a smart amplifier/discriminator circuit including 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 an effective protection 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.

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.

To minimize the risk of data loss and to improve the overall data reliability, two independent systems perform the data acquisition at the same time. 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 (VXI) runs according to a timing of 1 minute and fulfils the acquisition of each single counter. The other one (OLD) 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). The counting rates of the two independent systems are checked each other on hourly base to detect possible measurement errors. The annual time history of the difference between the counting rates of the two systems is comprised in this paper.

A special care is applied to the atmospheric pressure measurements which are carried out by three high-precision barometers. These instruments, achieving a resolution up to 0.01 hPa, are continuously cross-checked for the best measuring accuracy and reliability. Furthermore the barometers are equipped with different types of transducer namely: vibrating cylinder, aneroid 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. The yearly check of the barometers is here reported.

More details of the complete acquisition system can be found on the included block diagram.

The overall stability of the neutron monitor is controlled by means of the section ratios. The hourly counting rate of each section, divided by the total rate, is plotted in real time on a daily diagram. Moreover, the daily averages of these ratios are separately plotted, as percentage, in monthly histograms. The annual series of histograms, included in this report, shows the long term stability of each section.

In order to verify the coherence between the variations of the nucleonic intensity recorded by SVIRCO-Rome and by another observatory with similar characteristics, a comparative data analysis has been finally performed with the neutron monitor data of Hermanus (South Africa - 34.42° S, 19.23° E, altitude 26 m a.s.l.). This Observatory was chosen not only for its data availability, but also for its suitable geographic location. With a cut-off energy (4.58 GV) and altitude (26 m a. s.l.) similar to Rome it is also far enough to avoid correlation between the local pressure changes of the two monitors.

Both data sets have been normalized to their respective annual average and then plotted, together with their ratio, on daily basis and also in a regression form.

We acknowledge the Unit of Space Physics - School of Physics at the North-West University (Potchefstroom-South Africa) for Hermanus Neutron Monitor data. [© North-West University 2009. All rights reserved]

DATA PRESENTATION

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

a) Tables:

The hourly corrected data are reported in tabular form for each month together with the daily ratios section R_i . The R_i ratios (%) are computed as the rate of each section (channel i) divided by the total rate. Only $n - 1$ section ratios are provided, being n the number of sections.

The hourly and daily averages (in hPa) of the atmospheric pressure measured at the Observatory, are also presented in monthly tables.

Furthermore, the monthly averages of the values, reported either in the corrected-data tables or in the pressure ones, are shown below them.

b) Graphs

The hourly-corrected data were also multiplied by a suitable normalization factor and plotted in monthly graphs. The normalization was evaluated as percentage of the counting rate average in the period from January to February 1997, when the Monitor operated at the previous location of "La Sapienza" University. The reference counting rate level (100%), computed for such a referential period, is equal to 554946 counts/hour. The set of normalized graphs are provided for long-term analysis.

The monthly graphs of the atmospheric pressure are reported too.

CONDITIONS FOR SVIRCO DATA USE

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

- You agree to acknowledge our financial supports in any published use of the data. Example: **"SVIRCO NM is supported by the INAF - UNIRomaTre collaboration"**
- You are kindly requested to send a copy of any published work derived from our data to:

Dr. Stefano Massetti
Head of SVIRCO Observatory and TPL
INAF - Istituto di Astrofisica e Planetologia Spaziali - Area di Ricerca Tor Vergata
Via del Fosso del Cavaliere,100 00133 Roma - Italy,
e-mail: stefano.massetti@ifs-roma.inaf.it

MEASUREMENT INTERRUPTIONS

OCTOBER 13-14, 2011

On October 13 at 15.35 a total black-out occurred at the Physics Department because of a failure in the main electrical cabinet. The fault was fixed on October 14 at around 17.10 hrs. Thereby the neutron monitor was not operating in the above period.

DECEMBER 26, 2011 - JANUARY 2, 2012

During the period 27-31 December 2011 the planned renovation of the Physics Department electrical system was performed. In order to prevent possible serious damages to instrumentation a precautionary suspension of the Observatory activity was arranged. The neutron monitor was switched off on December 26, 2011 at 12.05. It restarted operating on January 2, 2012.

HOURLY RECOVERED DATA - YEAR 2011

When the whole counting rate of the Neutron Monitor was lost for less than a 15 min interval (*) or a section was inoperative (°), the hourly data were recovered as reported in the table.

Month	Day	Time (UT)
04	28	11 - 13 (*)
07	20, 21	whole days (°)
07	21	13 - 15 (*)
07	22	01 - 10 (°)
09	26	09 - 10 (*)
10	12	16 - 17 (*)
10	13	01 - 02 (*)

RELEVANT MONITOR AND DATA CHARACTERISTICS FOR 2011

Cosmic Ray Observatory Rome or SVIRCO
Geographic coordinates 12.47°E, 41.86°N
Altitude Sea level
Threshold rigidity (year) 6.27 GV (1995)
Instrument 20 NM - 64 (three 3-counter,
one 5-counter and one 6-counter units)
Scaling factor 1
Pressure coefficient 0.70 % / hPa
Pressure reference level 1009.25 hPa

Rate enhancement
from 17 to 20 counters 15.6% (since January 2005)

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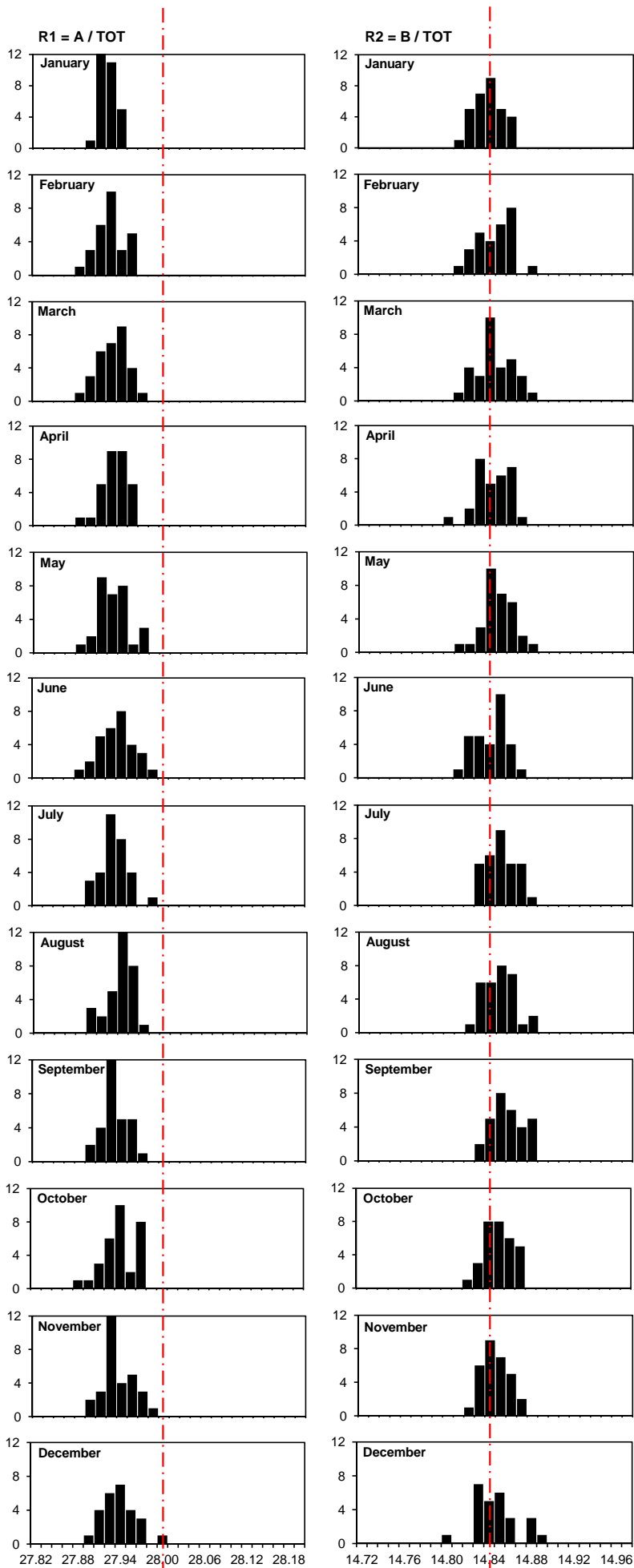
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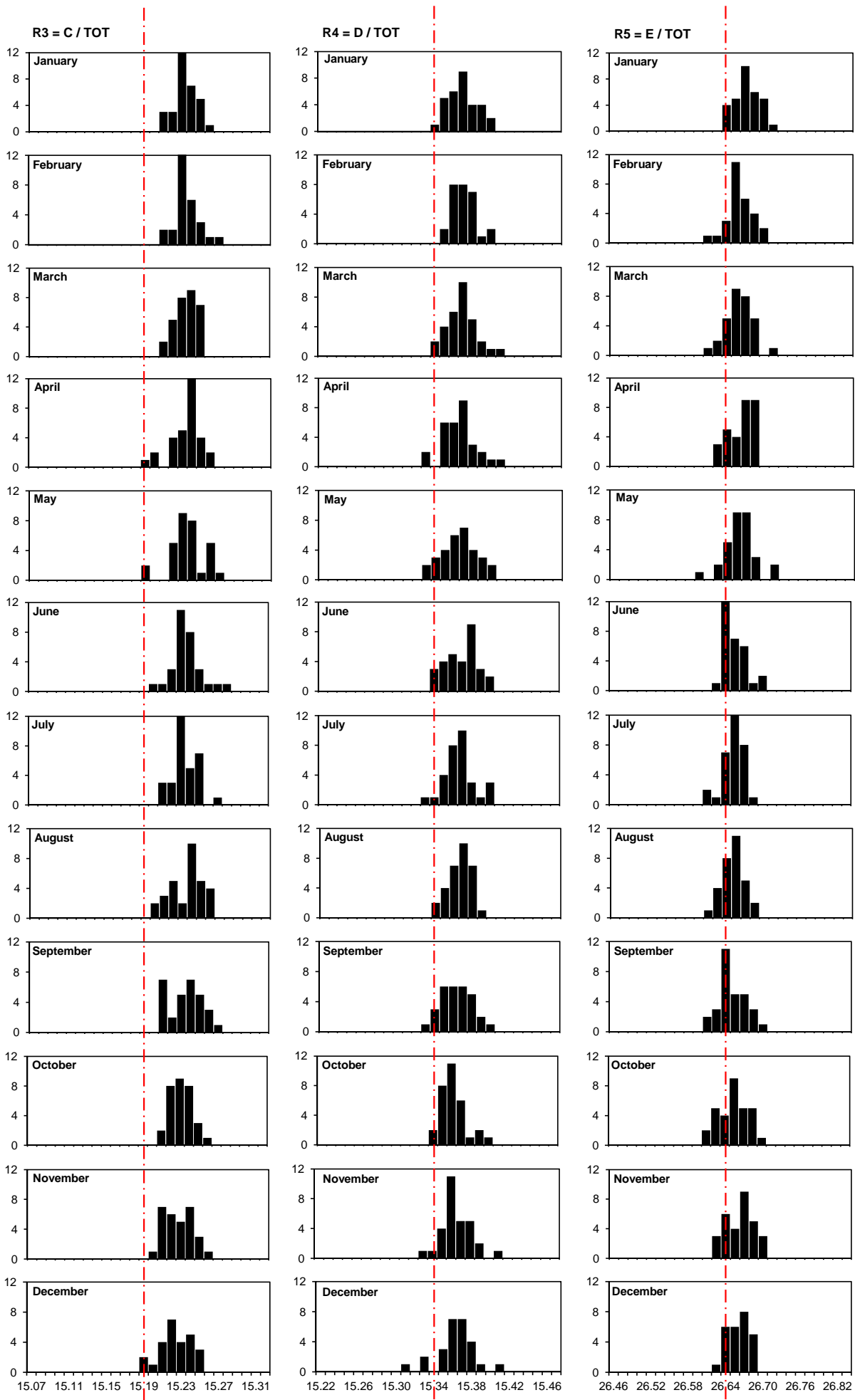
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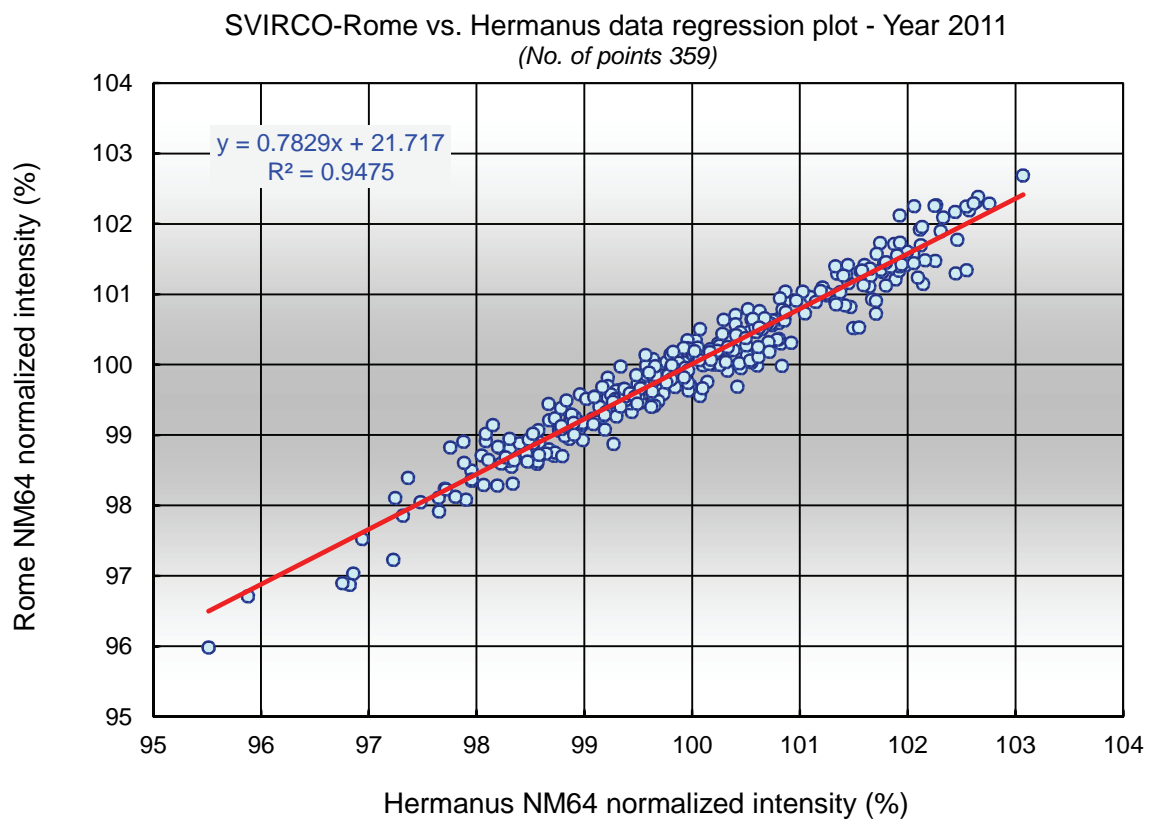
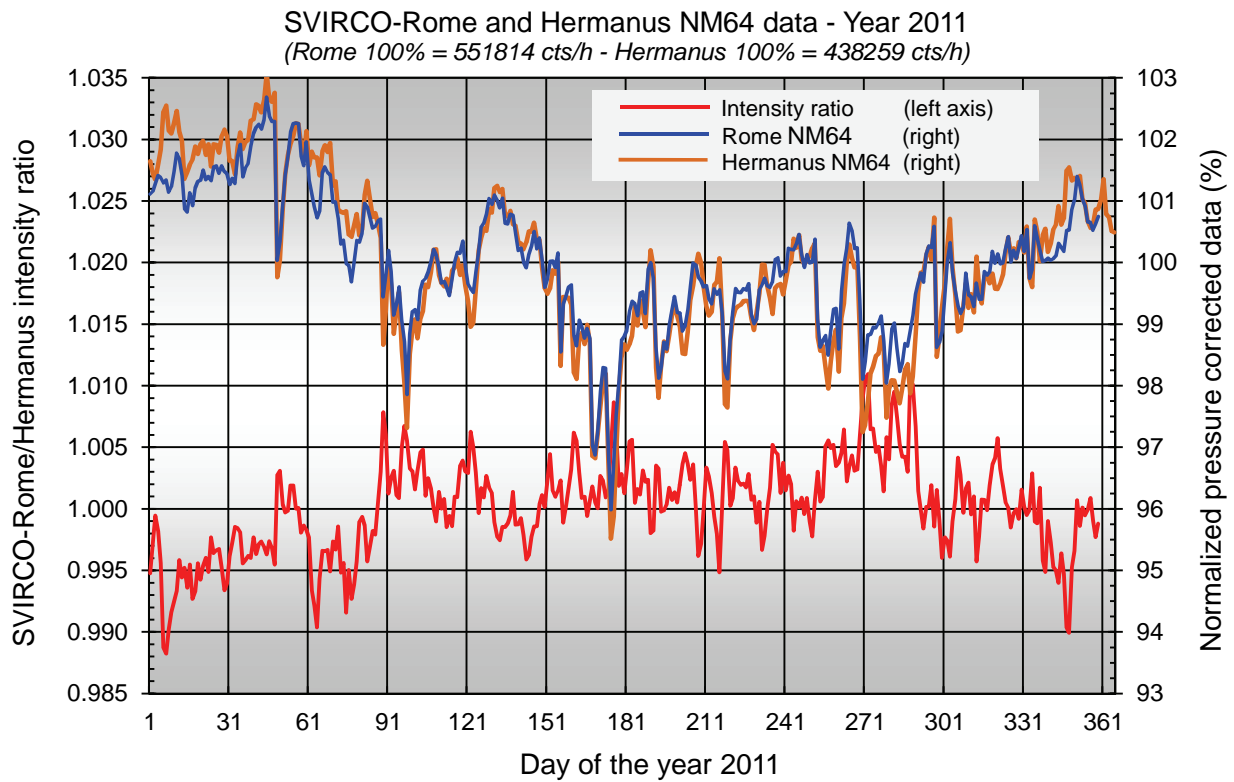
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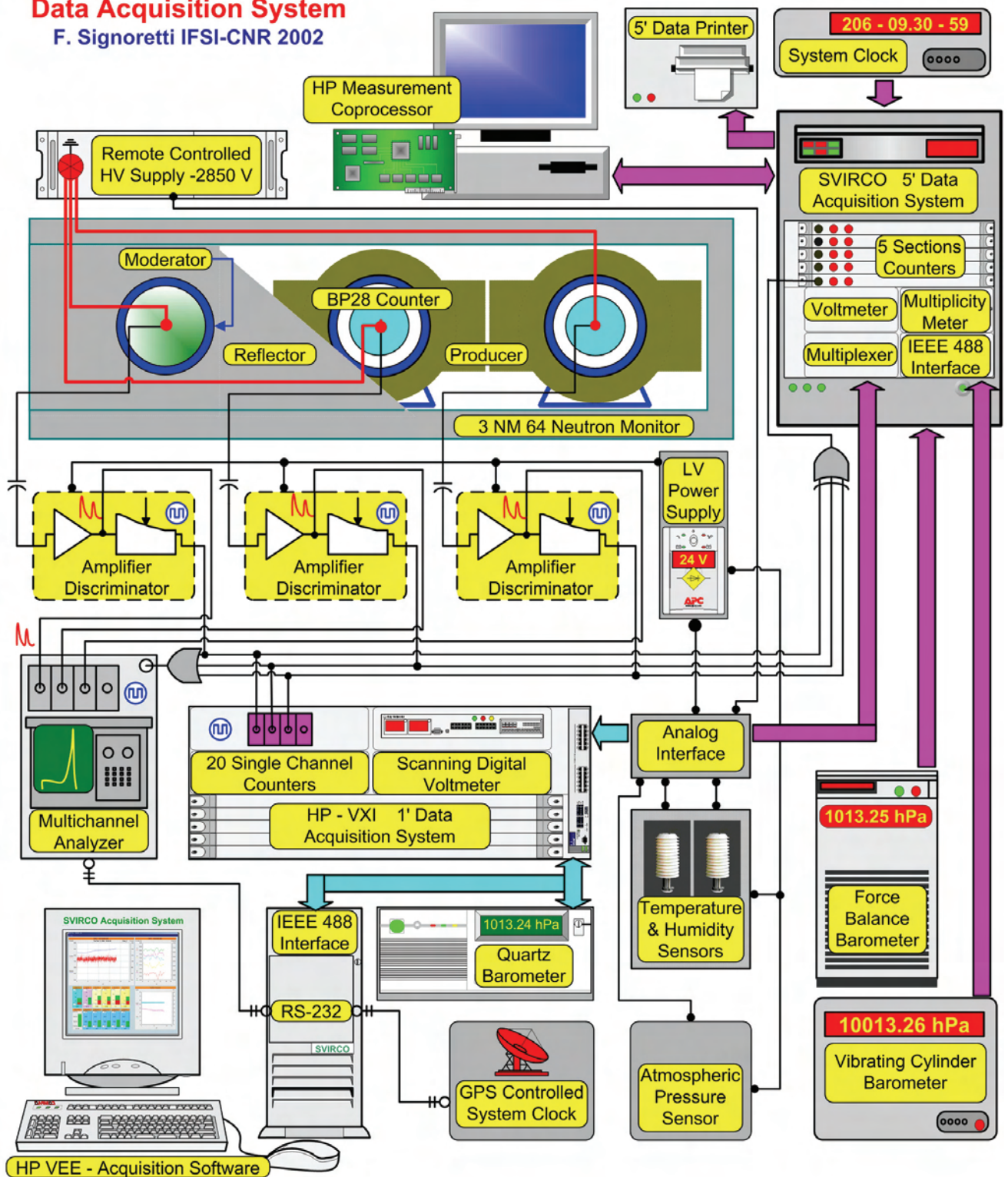
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Year 2011 - Ratios of Neutron Monitor Units



INAF/UNIRomaTre S.V.I.R.CO. Observatory 20 NM-64
Year 2011 - Ratios of Neutron Monitor Units



S.V.I.R.CO.
Data Acquisition System
 F. Signoretti IFSI-CNR 2002



S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure corrected data - January 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG	R1	R2	R3	R4
1	555641	555551	555844	556980	556700	557756	557833	560314	558868	559456	560423	559078					
	558225	559773	559643	558705	559211	557780	556062	557803	554751	556342	559632	558374	557948	27.907	14.813	15.225	15.397
2	557170	557782	558246	556626	557424	557794	557675	558928	557730	559851	557492	559365					
	559373	560761	558797	560010	558433	557516	556139	558090	558111	554213	559547	560115	558216	27.928	14.814	15.232	15.369
3	558053	558588	559604	557698	557583	558157	557787	560615	559210	559406	560102	560083					
	559222	561884	558499	558953	558062	558489	557116	559405	561429	558391	559064	557214	558942	27.906	14.854	15.206	15.357
4	557662	557428	560239	559219	558193	557789	559055	560080	558790	561030	561324	561063					
	560229	560776	559226	560728	560457	558560	561333	559944	558268	561817	558105	559679	559625	27.912	14.822	15.226	15.371
5	557979	560447	559552	560007	557735	557568	557594	559718	561960	560137	560135	561295					
	561886	562113	560726	561481	558876	558509	559552	558639	556820	558107	556877	559230	559456	27.896	14.850	15.224	15.356
6	559217	557899	558803	557286	559609	561056	559711	560047	560953	560516	560536	560874					
	559941	562722	558570	558238	558810	557635	558461	556251	554968	555234	559454	558332	558963	27.915	14.828	15.256	15.363
7	556725	560456	559422	558550	560009	559939	561701	560973	558485	561457	561928	561398					
	561605	559434	559030	559294	558037	558881	557672	555260	556022	557378	557458	560332	559227	27.929	14.802	15.228	15.352
8	559280	557459	555936	555885	555066	557814	556184	558096	559948	560463	560007	559000					
	559939	557939	560631	559562	558383	555752	559971	557972	558108	557514	557702	556683	558137	27.895	14.824	15.232	15.347
9	559215	557699	559056	556779	557680	557440	556537	558426	556854	558909	556694	556291					
	560034	559089	559053	557633	559324	559755	561143	560636	559378	561464	558841	559562	558645	27.921	14.834	15.249	15.362
10	559226	557888	558191	558355	560374	556717	559671	557089	560742	560682	562182	560891					
	560715	560194	558756	561609	561520	560498	562053	560620	560289	560744	560647	559500	559965	27.896	14.852	15.230	15.384
11	561591	561398	561083	559452	561132	559821	562646	562446	562088	560676	561656	562864					
	560112	561428	565470	564175	562025	562357	563571	561877	561325	560596	560590	558500	561620	27.907	14.828	15.231	15.347
12	562271	560031	559356	559805	558772	559034	561171	562011	560747	562654	562591	561470					
	562746	563039	560341	565087	561114	562277	558310	560984	560178	560863	560270	562991	561171	27.934	14.818	15.236	15.352
13	558883	560421	559548	561669	560455	559384	559091	562190	559434	560333	560013	560004					
	558179	558201	558846	556956	557573	560442	558736	560740	560786	558576	559998	560018	559603	27.933	14.825	15.213	15.360
14	558598	556030	555918	559263	556353	553550	557192	556556	554096	556942	558248	555056					
	556003	557155	557294	555516	554406	556353	556889	556800	556670	557520	557794	559026	556635	27.904	14.838	15.239	15.366
15	556172	555118	557501	554381	556161	555767	554819	553292	553689	555333	555707	553883					
	555533	555023	555648	555241	557940	557862	559919	557142	557409	561869	559541	557237	556341	27.913	14.844	15.248	15.349
16	558880	560090	558574	557655	558481	555221	555745	554779	556300	557845	558274	558739					
	553224	556252	555944	557824	560881	559318	559000	560239	559371	561570	559785	560041	558058	27.913	14.816	15.246	15.386
17	555307	556957	554674	555137	554939	556458	555266	555811	556983	557511	557671	557997					
	558764	555529	557666	557100	558356	558199	558037	558097	556755	557474	557214	558479	556933	27.918	14.814	15.209	15.365
18	560086	559928	559264	556305	560846	558301	555920	560761	559981	557039	560884	558001					
	557025	557709	558178	557138	558989	558139	559102	556954	557851	557607	559325	558397	558489	27.904	14.841	15.217	15.366
19	557267	557679	558772	558163	557334	557586	560695	557008	558276	557527	559920	559815					
	558648	558053	559485	559057	558872	559432	561539	559786	561705	561533	559525	560257	559081	27.917	14.839	15.224	15.346
20	559703	559775	559693	557940	559922	557663	558316	559151	559341	561805	557525	560265					
	559851	557405	556271	559997	559188	557874	559427	562722	559610	561295	559678	559912	559180	27.915	14.832	15.227	15.370
21	559899	556555	558896	559070	560455	559734	560199	561078	558855	561285	561078	559503					
	561205	562847	560808	561446	562174	560572	560435	560865	560175	557918	559839	557649	560106	27.902	14.832	15.224	15.377
22	559006	557855	558088	556638	557509	557567	557519	557661	561118	561496	561274	562440					
	559665	562381	561355	558775	561054	558081	560435	558762	558587	557788	558786	557940	559241	27.913	14.833	15.225	15.338
23	557150	559423	557827	558408	559332	560572	558058	560299	559865	558934	558477	557502					
	560848	561414	560153	561564	558887	559642	560635	559228	560994	559345	559432	560971	559540	27.915	14.823	15.245	15.371
24	557322	559379	559959	557287	558464	559464	559499	559265	560357	560589	559640	560658					
	560618	558333	558533	559780	556702	559226	558394	558416	558068	560619	558863	560047	559145	27.901	14.831	15.246	15.362
25	557070	557832	559199	559304	558985	563432	561543	562967	561825	561282	558591	559062					
	558738	560072	560134	559930	561442	558824	562512	560966	562272	561222	561197	561111	560396	27.908	14.831	15.239	15.372
26	558990	559513	560637	558532	563170	561152	561769	561121	561952	561964	559170	561300					
	558294	560940	560029	558555	562190	557467	561097	560327	561629	562776	560356	558635	560482	27.902	14.843	15.229	15.358
27	559394	560866	557962	559903	560067	560593	557913	555640	558566	558433	557672	561597					
	560914	561907	560691	560402	558204	559361	561584	562066	562196	559961	559000	561056	559831	27.887	14.824	15.238	15.385
28	560670	559961	561110	560433	558136	561756	560375	561176	559817	559766	560242	559865					
	561114	563286	561523	560369	559658	560244	563386	559910	558880	561735	558620	559478	560480	27.927	14.851	15.224	15.347
29	560420	557280	558725	557058	557852	558263	560269	561255	560619	561060	559761	560555					
	561271	561155	559982	561782	560775	561341	562034	561705	560106	559230	559281	558254	560001	27.910	14.814	15.201	15.387
30	556874	558443	560109	559626	560654	563410	561474	560006	561983	559818	561404	562662					
	561642	561664	559282	561451	558306	558030	558108	557829	557399	556958	558169	559353	559777	27.900	14.809	15.212	15.395
31	560763	558921	559418	560791	559369	557851	559918	559866	560689	559775	559761	562656					
	561232	560710	561345	558413	555352	554606	553072	553630	555558	556463	559884	561296	558806	27.900	14.829	15.228	15.365
MONTHLY AVG	558596	558537	558749	558200	558670	558665	558811	559310	559359	559677	559690	559846	559163	27.911	14.829	15.229	15.365

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UT	1	2	3	4	5	6	7	8	9	10	11	12	DAILY				
DAY	13	14	15	16	17	18	19	20	21	22	23	24	AVG	R1	R2	R3	R4
1	558795	557587	559151	557432	558293	557916	560716	560596	557317	559284	560714	562197					
	557535	559588	559319	560431	559484	561343	558124	558885	560357	559706	560491	559189	559352	27.881	14.846	15.246	15.374
2	557230	558201	556774	555719	557389	556080	558992	559122	557536	559507	559560	557973					
	557930	560065	560114	562123	560210	558962	558567	560063	559836	560081	560507	560756	558887	27.929	14.835	15.213	15.362
3	557896	558698	562853	558357	562074	562114	562125	559951	561939	562483	564100	559377					
	561499	560708	564402	562185	561215	562759	563756	560592	559735	560829	561539	559689	561287	27.915	14.838	15.229	15.371
4	558993	558104	557661	560266	559786	563210	562593	566175	566071	565535	564781	563874					
	563101	562062	561635	559053	560350	557857	562164	562161	568234	567520	563512	563039	562406	27.912	14.845	15.232	15.371
5	560255	561397	558508	560197	559620	559679	560036	561912	562291	561542	560999	562165					
	562169	559671	558425	557351	559238	555170	556118	557905	556929	557083	558438	560974	559503	27.914	14.836	15.214	15.347
6	560339	557381	556588	559232	555631	558622	559513	560096	560228	559675	563369	566124					
	565031	561743	561998	562917	562675	559500	560854	559185	561004	558786	558985	557924	560308	27.898	14.851	15.229	15.369
7	559822	561002	559729	559626	560982	559514	560753	557463	559816	560812	562130	560932					
	560872	563502	561493	563148	561678	560070	562459	559498	561456	559028	560037	560264	560670	27.945	14.832	15.221	15.354
8	562024	561356	563596	561564	563175	560969	563444	561764	563744	562952	560897	563616					
	565130	564646	562959	564559	564847	561809	559051	560358	561621	562142	558811	560154	562299	27.948	14.812	15.239	15.355
9	562567	561778	562576	563099	562223	560949	562178	562925	561925	566689	565200	566031					
	564661	565261	564782	565206	565027	561656	563087	562535	561850	562103	563043	563324	563361	27.911	14.807	15.232	15.379
10	561148	560998	563415	563220	561974	565560	566693	565504	564031	565657	565105	566619					
	566211	563896	565186	560739	563664	564412	565674	564287	562124	562274	562784	562837	563917	27.909	14.849	15.226	15.369
11	565402	564167	562918	562215	565796	563692	566582	564996	564757	564013	568138	564585					
	564830	560661	564096	563578	564037	563958	564119	563516	564997	564016	563382	562669	564213	27.920	14.802	15.253	15.350
12	562264	563340	561996	562795	562033	563260	563723	563985	561054	562205	563104	564619					
	564908	565646	566735	565815	566655	564507	565195	564945	564553	561386	563922	562234	563787	27.913	14.819	15.261	15.379
13	561599	562223	562889	563461	565717	566234	564074	564067	565350	564804	566298	564086					
	565204	565755	563652	562340	567142	566377	564859	564397	565143	565746	565334	563813	564607	27.938	14.812	15.224	15.380
14	565732	563747	565533	565419	565932	565262	565118	568877	566611	568276	565857	567578					
	564832	565813	566765	568232	564634	565595	565801	569121	566800	569898	569676	568661	566657	27.946	14.852	15.209	15.358
15	567261	566016	565753	565504	562171	562603	564364	564931	566487	564670	567185	568299					
	565976	566610	564758	565928	565599	565232	564010	564346	562561	563697	562721	562369	564960	27.900	14.839	15.223	15.357
16	563771	562916	562450	563857	563476	565706	565165	564131	565033	564986	567145	566625					
	563111	564849	565901	565628	566911	566668	566385	564458	563235	564201	560795	561898	564471	27.892	14.865	15.224	15.362
17	562754	563669	562154	564623	563270	565448	566376	565872	566781	565926	565388	565127					
	565516	564463	564595	566198	566048	564959	564627	560823	561173	562749	563140	565272	564456	27.892	14.827	15.229	15.367
18	563040	563435	561711	560147	556199	554634	548631	548006	549495	547805	548499	547255					
	547764	549081	548559	549066	547316	548504	548078	549131	551854	552449	553235	554456	552015	27.871	14.850	15.248	15.374
19	555416	553185	553885	554666	555805	551796	552777	554265	554734	552478	552022	555215					
	551672	554328	555283	553852	552891	554022	552952	554080	554098	552379	554274	553231	553714	27.922	14.818	15.232	15.355
20	555071	556418	554776	557907	557784	558649	555945	559565	559201	557948	557847	559724					
	556441	556203	554912	553898	557066	558596	555789	553193	557470	555740	556836	555583	556773	27.900	14.853	15.228	15.356
21	554755	559391	557730	559487	558696	560361	560233	558984	560082	559654	559113	560959					
	558060	561151	561283	560431	561326	560584	560095	560491	562197	556129	559608	560307	559629	27.934	14.838	15.220	15.381
22	559935	561413	562660	560531	562251	561389	560474	560083	562321	563691	563182	561110					
	561993	561484	563428	562811	562328	559083	561887	560336	559518	560327	559379	561082	561362	27.915	14.851	15.220	15.396
23	561265	562962	561685	563100	563022	560804	565855	561690	563841	564998	566945	564941					
	564295	564126	564095	563744	564007	561753	562366	564114	563456	564181	564257	562948	563519	27.919	14.825	15.246	15.345
24	565118	563188	564751	566101	563808	563142	565630	564701	565139	563255	565071	565982					
	567344	564403	566215	565829	561963	563743	563041	561767	563711	559769	563500	564877	564252	27.949	14.832	15.210	15.355
25	563580	564679	566343	563252	563430	566064	567233	566704	565478	565660	562151	566524					
	566154	564036	563674	565002	564465	563304	561090	559338	561740	563855	565207	564708	564320	27.923	14.833	15.220	15.370
26	566168	566059	565475	566122	567373	563993	565197	564626	563356	563489	565384	561474					
	564627	565353	563708	563687	564340	563611	563987	564063	564509	563335	562014	560707	564277	27.905	14.820	15.229	15.370
27	560823	558373	559667	560572	561501	560186	561445	563621	563155	563031	563831	563455					
	564240	562328	562444	563773	563250	560464	561573	560411	560397	558314	559326	556870	561377	27.944	14.820	15.239	15.390
28	559978	559511	556852	558943	560507	562012	562140	559770	561988	560488	561060	562536					
	562310	562564	562538	561403	560384	558581	561417	560894	559315	559641	558393	558741	560499	27.907	14.838	15.240	15.367
MONTHLY	561179	561114	561074	561336	561426	561423	562072	561942	562134	562197	562681	562821					
AVG	562265	562143	562248	562098	562098	561181	561326	560889	561424	560906	561184	561021	561674	27.916	14.834	15.230	15.366

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UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG	R1	R2	R3	R4
1	559253	559068	558632	559200	558738	561682	562205	561448	562107	561574	563413	564231					
	564126	567617	567222	564785	564365	566536	565396	564301	564964	559542	561304	561235	562623	27.927	14.831	15.220	15.370
2	561037	559385	558351	559762	557989	558553	560217	559799	557823	557995	557908	555931					
	560259	560854	562309	558947	560080	560703	560538	558319	559096	557130	560331	557639	559207	27.913	14.853	15.202	15.350
3	557108	555393	556377	555753	556951	556873	557335	554288	556787	558896	558197	560118					
	559876	559210	558758	561107	560850	561866	559738	558996	560132	556453	556032	555393	558020	27.881	14.826	15.235	15.349
4	556723	554045	554902	554280	553075	554060	556514	554503	556453	557406	556302	557772					
	559066	558613	559571	559875	556149	557443	559252	559321	554775	559849	557985	555699	556818	27.909	14.817	15.230	15.363
5	555765	554996	555677	557344	554755	554362	556207	555024	554509	551966	554588	554503					
	556537	556498	556638	556794	556103	559498	556405	555542	556083	556919	557065	555998	555824	27.912	14.829	15.223	15.370
6	554555	555185	555463	555885	556293	555824	555525	555482	555020	558480	558329	557247					
	558781	559359	556695	556262	556391	557370	558770	556427	555437	553672	555230	555443	556472	27.929	14.813	15.211	15.369
7	554394	555946	557321	557595	561028	561124	560154	560266	561681	559228	561071	560072					
	559870	561423	560796	560928	559470	562190	559702	561801	559966	561873	560733	557388	559834	27.932	14.850	15.226	15.340
8	560313	559315	560829	561955	560128	559775	557793	563246	561183	560634	563486	561355					
	559113	559446	560064	561396	560008	558408	558985	560194	559348	560785	562022	559525	560388	27.953	14.813	15.248	15.368
9	559865	560006	560111	560832	561644	562005	559961	562933	561690	560327	559710	560011					
	561625	557973	559069	559289	558458	560242	560221	558855	558274	558200	558539	556856	559862	27.962	14.812	15.215	15.371
10	559258	558729	563696	562117	559638	554868	554281	550895	554298	553971	557616	559905					
	562230	563686	564552	560153	562560	563682	563925	564156	565137	559707	556225	557038	559680	27.922	14.833	15.239	15.377
11	558153	557385	555303	555360	554913	552774	551727	548518	552425	551912	557418	559590					
	561274	561701	559666	560077	565656	566451	561592	555899	558362	557442	555729	554355	557237	27.922	14.816	15.250	15.332
12	552591	550717	552569	555626	554465	556139	558072	556344	557259	556574	559849	560777					
	560297	557965	560959	558484	559387	557530	560343	559078	557503	559931	555921	555662	557252	27.873	14.828	15.244	15.389
13	553030	553646	555481	554629	554518	558113	556477	557999	557633	556963	556437	560680					
	558498	558111	558250	554816	553014	554989	556023	556060	554382	551553	553286	553374	555749	27.928	14.838	15.229	15.367
14	552179	553961	552205	554340	553679	550934	555444	552558	556752	555503	555065	554337					
	556699	555651	557112	555387	553813	551539	550836	552856	551044	551013	549607	551271	553491	27.899	14.840	15.219	15.357
15	550508	550347	555205	554860	556449	556184	555902	552916	556904	556060	556750	555490					
	554169	551503	553891	554100	551475	551743	555022	552015	552693	553220	551225	553158	553825	27.926	14.859	15.217	15.350
16	5551435	550745	550814	549736	550529	550360	550511	553576	554805	552787	552404	553923					
	552515	551383	553613	551731	552443	550106	551966	552299	551043	552505	550522	549743	551729	27.882	14.860	15.206	15.392
17	550806	549027	550688	551239	555542	553943	551775	555200	555108	554203	554509	554311					
	548893	550776	550604	550556	550246	549904	550409	553357	553434	550192	546857	545718	551554	27.941	14.838	15.228	15.367
18	545405	546178	545465	547153	547500	550458	551876	550374	550809	551635	553703	555057					
	554184	554988	553204	551993	550823	549771	550433	547004	546985	547093	548538	551483	550088	27.923	14.848	15.227	15.357
19	548934	550344	550107	548338	546085	548455	551667	552238	554290	552373	551560	553541					
	554655	553526	555236	557448	555168	551809	549589	550279	551127	553935	549414	552041	551757	27.921	14.833	15.225	15.372
20	549191	549188	547877	549618	549737	551599	551206	552405	553657	557043	557305	555361					
	558364	557307	559381	558519	557380	556594	554546	554275	552926	553920	552236	551139	553782	27.930	14.820	15.239	15.351
21	548807	549846	548318	549050	548823	550107	550459	551063	556223	556617	559999	558881					
	557379	558329	556844	555943	555521	557267	555668	553369	553585	552027	550825	552779	553655	27.948	14.831	15.211	15.352
22	550349	551250	549637	550625	553333	554312	554503	556098	555072	556434	557090	557530					
	556119	557632	559210	557087	555355	554269	552473	553381	552608	552494	553563	555511	554414	27.940	14.829	15.242	15.332
23	553347	552580	553475	555001	553905	553727	555117	556203	554996	559338	557699	558472					
	557853	560665	559712	559983	562949	560428	559750	560258	557206	556722	557185	554472	557127	27.949	14.811	15.250	15.348
24	555514	553356	554182	554314	558021	554821	555349	556385	555696	558861	557216	558952					
	556738	558618	557855	557696	558755	557065	558745	556836	558416	556294	556523	556154	556765	27.905	14.868	15.237	15.381
25	555798	555328	554143	552409	557189	554103	555771	556106	558098	557830	558819	556681					
	557152	558169	560747	558843	554357	555966	555074	552421	553377	553337	554143	554491	555848	27.904	14.842	15.232	15.370
26	553286	553827	553822	555156	553726	554304	556415	554564	555162	555777	556695	557012					
	558418	556837	557983	557841	556231	554947	553370	552175	552787	552266	552234	553146	554916	27.885	14.860	15.235	15.400
27	554078	553492	553040	553647	552663	553191	553845	553381	555309	557318	555621	558148					
	555539	557641	558410	555309	555102	555700	557293	556179	553708	552606	554960	556027	555092	27.934	14.827	15.230	15.361
28	553601	552284	552475	554082	553993	551921	554063	555170	553209	556135	557501	558245					
	557928	556736	560067	557786	554475	555946	556065	557664	556349	556820	554889	555629	555543	27.908	14.847	15.230	15.362
29	555189	555725	555437	555052	555153	555622	553685	553654	555415	556266	553456	557056					
	559662	557872	560951	557491	560503	557679	554216	554304	554291	554902	552623	550858	555711	27.918	14.851	15.243	15.357
30	551272	553106	552010	549579	548413	550683	549573	549301	547524	547216	548046	548892					
	549960	547509	545559	547694	547357	547783	547916	548122	547959	551043	547085	546151	548740	27.935	14.801	15.233	15.370
31	547398	548588	548733	547731	550682	548926	551101	553075	549877	551110	553043	550498					
	549079	551760	550765	550968	551222	551327	552350	553837	553367	549973	553012	550584	550792	27.896	14.826	15.244	15.365
MONTHLY	553843	553645	553947	554338	554502	554510	554991	555000	555735	556078	556800	557245					
AVG	557318	557399	557926	557074	556634	556669	556342	555793	555367	554949	554382	554063	555606	27.920	14.834	15.230	15.363

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)

Pressure corrected data - April 2011

UT	1	2	3	4	5	6	7	8	9	10	11	12	DAILY				
DAY	13	14	15	16	17	18	19	20	21	22	23	24	AVG	R1	R2	R3	R4
1	552740	550116	551558	550472	553768	554408	553471	555272	554649	554781	553984	554469					
	555782	553967	553425	552676	551484	552530	551564	548914	551801	550938	553104	553759	552901	27.913	14.840	15.234	15.358
2	555915	553166	552773	552996	553719	552420	552443	550897	549798	547208	551512	551706					
	551752	550210	552220	552168	550104	550551	550662	547818	549163	549043	547562	549250	551044	27.930	14.806	15.199	15.405
3	546546	548079	546022	549866	549231	550157	548386	547258	545485	547240	544791	546482					
	544442	548065	549067	546199	545656	548643	545679	545667	546236	546038	546662	548735	547110	27.931	14.825	15.240	15.342
4	546980	546707	546655	547972	546664	546521	549632	549027	549129	547475	547504	548762					
	548184	547527	549854	548324	548653	547972	548493	549496	548327	548052	548056	549550	548147	27.931	14.848	15.236	15.328
5	548319	547740	550392	549011	547559	548951	548747	550161	552711	553407	551278	549850					
	551991	552337	552442	548937	548580	547543	548114	547237	548590	548862	549450	549139	549640	27.886	14.818	15.255	15.365
6	547907	547268	547220	546159	549304	550557	550152	550626	550370	545350	543630	544762					
	542715	544132	544960	546396	550604	549024	549462	549005	545320	545465	542270	538381	546689	27.903	14.833	15.235	15.388
7	539124	545838	543307	543331	546777	547840	550157	552284	551523	553042	550652	550320					
	548164	547041	544934	544878	541036	539858	538414	536814	536764	538461	540629	541343	544689	27.904	14.836	15.230	15.392
8	540897	541730	543861	543605	544488	541063	540134	539230	538827	541210	540761	541527					
	538865	540216	540776	539401	538610	537410	540916	538282	537283	537512	536354	536619	539982	27.929	14.817	15.242	15.342
9	536504	540318	537516	542191	540271	540403	543305	545111	548268	551582	549341	550211					
	552505	553330	552459	551629	549782	548203	544133	544048	541844	543600	541542	541965	545419	27.916	14.822	15.231	15.353
10	541340	543390	543250	544601	545226	544952	547614	547814	548203	549038	550604	550558					
	549195	548774	548152	547093	546953	548048	549935	548125	549407	548699	549295	547426	547404	27.905	14.849	15.231	15.349
11	546339	547804	548298	545194	546953	548027	549346	547032	548484	546814	547122	550746					
	550751	548581	551867	548845	548960	550463	547359	548114	545291	544301	542034	543406	547589	27.931	14.828	15.232	15.342
12	543396	546120	546504	544815	546406	544040	546485	547083	546803	549992	548779	546802					
	550155	548724	547231	547529	547394	548378	547456	546257	544317	545239	544759	546558	546718	27.946	14.825	15.198	15.349
13	545002	546193	544628	546851	549059	548672	548314	551757	553100	550677	554468	551611					
	551255	552395	549530	551642	551726	547523	546479	547809	549236	548656	547597	549331	549313	27.937	14.864	15.225	15.352
14	546641	549233	548816	549358	549087	549753	549881	551614	550807	553833	551410	552598					
	549222	552857	552257	552761	550053	550703	550509	551186	547627	548596	546505	548005	550138	27.912	14.842	15.224	15.351
15	550320	547405	550021	547410	549063	548866	551115	549970	550314	553981	551042	551178					
	550115	553368	550624	553244	551547	550998	549478	548163	549966	550239	551558	549584	550399	27.947	14.814	15.250	15.370
16	549397	549592	548806	547703	547981	550290	547569	549342	549661	553156	550834	552277					
	549631	552811	553975	554723	552335	553196	552504	552941	552776	551644	550622	549843	550984	27.930	14.822	15.187	15.386
17	550829	547057	550405	548388	548844	549905	549520	548938	550805	552852	554765	554674					
	552689	552984	553911	554841	554151	554230	552004	554700	552864	553771	551570	549809	551854	27.912	14.841	15.248	15.367
18	554275	550475	551120	549325	551112	553215	554582	549537	549837	552500	555510	554924					
	557222	556740	555711	554904	553318	554984	551866	554580	551281	553205	551416	550360	553000	27.926	14.818	15.248	15.328
19	551352	550410	550508	548792	549847	550424	550064	555880	556085	557724	553986	555544					
	555901	556151	555009	555716	553456	555699	551978	553258	549514	547887	545982	547616	552449	27.911	14.833	15.213	15.377
20	548425	550781	549480	550218	550352	553076	555756	551035	552274	553210	551471	552828					
	551891	553512	551338	549697	552190	553029	551564	552876	548344	551060	549510	551451	551474	27.932	14.820	15.218	15.352
21	551219	550261	552160	547974	549323	547786	550670	551854	549985	548614	551783	551312					
	550095	551689	550262	552003	549259	550334	548499	548887	550020	549226	547817	548377	549975	27.952	14.848	15.219	15.360
22	549656	547912	548945	549200	550230	550917	550588	550161	549798	551230	548196	552704					
	552952	551581	551177	551121	552041	549808	548440	550611	549800	548740	549636	547291	550114	27.944	14.820	15.233	15.368
23	548630	546806	546714	547896	546569	549632	550588	551023	551743	554296	554206	553440					
	552341	552264	551847	548654	550575	549114	548344	548097	548225	545698	544625	547632	549540	27.951	14.790	15.219	15.366
24	546108	546673	546743	547233	546062	547603	548066	549394	549246	549618	551692	550899					
	551395	550583	549775	552758	551495	549980	551014	547523	547859	548982	546903	545329	548872	27.878	14.846	15.235	15.377
25	547827	548229	549064	548468	547197	547432	549002	550991	549553	550427	552413	556670					
	554504	553021	551384	551912	549102	548602	549788	550307	551348	550136	549039	550698	550296	27.918	14.829	15.236	15.353
26	550816	547428	547333	550240	548482	552003	552444	552558	553064	554362	554007	554439					
	553872	555748	551942	552566	554638	553321	551176	550113	551492	553411	551084	549900	551935	27.900	14.846	15.222	15.362
27	549222	550233	552951	551080	550634	552206	552449	554404	554128	556580	557138	553670					
	552863	554877	556178	552769	554127	552533	552885	551969	551267	551156	551251	549206	552741	27.922	14.843	15.235	15.349
28	549530	550273	550066	551468	551426	550709	552545	552541	553690	555101	552515	555395					
	554724	554549	551864	553759	552109	552373	555576	552868	553345	553838	551755	551176	552633	27.924	14.840	15.238	15.361
29	553171	551742	551790	550975	552763	551862	554187	553244	554333	557028	556082	556125					
	555359	557155	554779	554942	554681	555102	551632	556371	553043	553170	549554	550558	553735	27.905	14.847	15.236	15.362
30	551675	553773	553317	551404	551327	550609	549244	548572	548892	550546	552167	551283					
	551721	555418	552954	554420	551452	553387	553221	550928	552181	549763	548929	548340	551480	27.919	14.852	15.223	15.374
MONTHLY	548003	548092	548324	548140	548657	549143	549882	550154	550385	551429	551121	551592					
AVG	551075	551687	551063	550884	550202	550118	549305	549099	548484	548513	547569	547688	549609	27.922	14.832	15.229	15.361

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)

Pressure corrected data - May 2011

UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY				
	13	14	15	16	17	18	19	20	21	22	23	24	AVG	R1	R2	R3	R4
1	547596	550797	550587	550683	547297	548696	550684	548747	548267	548987	550550	551603					
	552501	550957	550718	550030	551064	552265	548405	550582	548814	551088	547157	549925	549917	27.891	14.828	15.259	15.376
2	547986	548777	549042	548635	548549	549630	547403	549743	550970	549494	550255	551483					
	549007	551122	549422	551319	548768	550380	549049	550050	549170	549546	548398	549582	549491	27.900	14.856	15.225	15.383
3	549600	547103	549629	548866	548854	548218	549078	549667	548391	549368	549402	550021					
	551114	549329	549507	548482	548073	549040	549512	548706	549949	548895	549501	549343	549152	27.909	14.856	15.222	15.351
4	549725	551029	547637	547714	550202	551042	551540	548385	551920	551411	552752	551149					
	552245	551595	552663	551845	552978	551823	550512	553496	550124	551940	550099	550632	551019	27.906	14.815	15.233	15.393
5	551692	550377	550533	551996	550367	550213	553455	550774	549774	551809	552655	555417					
	554250	552506	555870	554083	552648	552323	554694	556494	554633	556262	550734	551317	552703	27.922	14.840	15.211	15.374
6	551437	552959	553668	554281	553127	553493	553985	554860	553868	555763	554634	555514					
	557720	557188	556244	558260	555896	554207	557215	553553	555221	556478	555162	554665	554975	27.930	14.846	15.269	15.372
7	553559	552534	551697	549505	551500	554114	555126	554899	554728	555501	553258	556891					
	557721	558020	557325	558190	559987	557950	558257	558676	554808	554908	556747	553037	555372	27.895	14.797	15.252	15.354
8	553324	553146	552500	554906	556021	554597	553669	553356	554459	556334	558086	558055					
	555937	558364	557457	560169	556889	557941	559071	556499	557173	556647	555718	557579	556162	27.904	14.865	15.226	15.350
9	555636	554531	556080	555511	554048	554780	556813	555837	558756	557332	558170	557035					
	559025	561101	562076	560839	558445	560404	558631	558881	558797	555730	557127	555499	557545	27.918	14.832	15.257	15.357
10	555326	556318	557203	555498	556201	557690	555981	557782	557762	557569	556332	557372					
	557454	557564	557579	558174	557192	557586	556496	556978	557571	555602	557885	557482	557025	27.962	14.832	15.188	15.366
11	556572	556846	558415	558625	555936	556636	558997	557736	556094	556841	557623	559715					
	557907	558725	559200	557297	558157	557719	559654	558849	556823	557429	557434	559702	557872	27.944	14.823	15.233	15.379
12	560486	559391	558542	556819	553931	556684	556820	556700	556457	561450	558588	558976					
	555775	557445	555981	556007	556223	555728	556831	559036	556776	557095	557790	558632	557423	27.931	14.842	15.223	15.344
13	556989	555713	554729	553688	555023	556755	554544	558392	556183	556586	557558	556920					
	558346	559418	558717	559240	557974	555478	556832	557355	556846	556426	555299	556585	556733	27.879	14.842	15.234	15.390
14	556875	555425	556479	557014	557108	555615	557910	559404	555642	557962	560302	559006					
	558168	557088	558870	559154	558379	558206	558129	558499	557510	558026	555840	555501	557588	27.926	14.826	15.228	15.359
15	553961	553589	556393	554683	556172	554931	554517	556488	554807	557029	555534	559161					
	556929	557226	555222	555625	557998	554041	556190	554598	554464	551226	553537	554193	555355	27.937	14.844	15.239	15.347
16	554361	554686	553752	552098	552523	552408	553407	554715	554261	556510	556532	557473					
	560687	559499	557113	558476	554946	556668	555583	554423	554752	554211	554322	553318	555280	27.933	14.828	15.227	15.363
17	554410	553498	555222	554641	553129	554379	553337	556183	556584	559415	558826	557306					
	559524	558101	558018	557174	556915	555682	555621	556456	557075	554528	555369	555817	556134	27.916	14.841	15.213	15.328
18	553332	552844	555266	554402	558871	555731	554937	557653	558444	557384	557050	557008					
	558865	558309	555931	556967	555724	556274	556669	556302	553943	555865	552407	554490	556028	27.927	14.850	15.182	15.360
19	551478	550966	554579	554160	553705	552388	554351	552793	553598	556021	558984	556877					
	557239	557026	559069	555890	554254	553919	554672	551893	554858	552564	551578	552399	554386	27.921	14.828	15.215	15.360
20	550879	550770	552376	553308	550057	552121	550416	555551	553257	554466	556000	555280					
	557465	555151	555703	555552	553365	553885	550538	549887	550192	550040	552602	550853	552905	27.898	14.847	15.240	15.340
21	551627	552732	553678	550813	551751	550860	552631	551401	553223	555388	555552	554569					
	554579	553874	552870	551892	553288	552912	553120	554381	555178	555340	550910	551696	553094	27.905	14.829	15.252	15.370
22	547048	547248	549697	550776	552121	552939	551081	553004	552515	554383	554682	551790					
	552686	555052	552782	552774	552131	552459	551448	551712	552933	550876	551633	550360	551839	27.935	14.831	15.230	15.340
23	547247	548518	547515	550047	549397	550060	549750	549783	550561	551210	553495	555202					
	553504	553400	552727	552005	551669	551671	552143	551206	551617	554412	552704	552646	551354	27.921	14.827	15.231	15.380
24	552586	551306	549666	549633	551200	552340	551953	551890	555143	555804	553286	554292					
	554530	555462	553311	552299	553303	551353	552972	551988	553625	549988	550868	552213	552542	27.936	14.849	15.228	15.329
25	551617	549797	551193	552712	550961	553623	553879	556466	554714	555023	553525	556067					
	555220	553633	556258	553192	553574	551760	552812	553050	553908	553355	549478	554166	553333	27.925	14.841	15.259	15.342
26	551775	551915	552307	553581	553494	555163	553395	554005	555746	554320	555824	555431					
	557114	554721	554027	554197	555566	557245	555157	555901	555875	554400	554225	554984	554599	27.962	14.835	15.219	15.360
27	553372	552145	554486	553051	550538	550596	552225	552297	555120	553024	553071	551597					
	553408	550743	552484	554108	552503	554700	555261	553184	552619	554643	556171	551950	553054	27.904	14.852	15.245	15.368
28	551120	550855	551565	550768	549842	551734	552713	552142	556837	556521	560178	559076					
	560204	560724	559436	554969	552838	553435	552772	553821	553323	549975	551084	550786	554030	27.964	14.829	15.219	15.340
29	551792	554975	550461	549581	551779	550619	550088	552740	552686	551527	554932	554383					
	554457	553364	551786	551346	554128	553677	552856	552482	551017	549508	548617	549134	551997	27.918	14.819	15.239	15.364
30	549383	549498	550308	548402	551020	551386	549908	548352	549602	549935	551252	549502					
	552189	549036	550494	550996	551807	547769	549080	549061	547553	548667	548063	547456	549613	27.900	14.854	15	

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)

Pressure corrected data - June 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG	R1	R2	R3	R4
1	550762	551210	551498	551304	552057	550371	551567	553686	554049	552213	553329	553755					
	549756	551358	552767	551934	551949	551307	552907	553893	550673	550005	552869	551336	551940	27.897	14.853	15.215	15.371
2	553363	553330	554244	550194	550713	551237	550881	551532	550495	551729	552504	552232					
	550283	552714	550990	553442	553022	552010	550613	551777	552364	551874	553169	552452	551965	27.898	14.836	15.231	15.350
3	552541	553341	553310	550868	549497	551244	551562	550097	551287	551580	549812	549557					
	552060	549495	552257	550438	550714	551115	551893	552446	552527	550600	551450	553443	551380	27.907	14.831	15.221	15.373
4	552383	554625	552693	553956	554484	553849	551719	552675	553830	553868	553295	552427					
	551437	551251	552696	553654	551938	550551	552624	553025	551437	551140	552556	551890	552667	27.873	14.848	15.204	15.396
5	549266	548371	547214	549042	544302	544268	543266	544710	541363	541345	545382	543528					
	544170	544768	541174	540004	539955	539183	539592	540307	540556	542870	546429	550461	543814	27.919	14.813	15.236	15.344
6	549156	550029	549052	550096	549353	548707	548312	547555	545859	545209	547259	544723					
	544148	544187	543232	545290	545936	547299	548057	553470	551931	552500	550123	553186	548111	27.915	14.838	15.231	15.375
7	551669	551778	551874	554318	551710	548673	548769	549963	546627	546622	548593	546820					
	546568	546565	546109	546511	546079	547685	547456	548383	549433	551363	550521	546864	548790	27.936	14.813	15.230	15.379
8	549151	550514	549128	552609	549817	551117	548443	547209	550303	550193	550493	548305					
	549951	549655	549400	548132	548326	550174	548053	547869	549562	550495	551987	549716	549608	27.928	14.834	15.242	15.358
9	552488	552178	549909	549990	550410	547492	549592	548210	547441	549039	552170	551649					
	551291	552742	551564	551389	551470	549623	549495	548656	546425	547098	547366	547856	549814	27.901	14.860	15.226	15.381
10	546548	542973	544193	544378	547175	546014	549226	549422	550138	551532	553345	549500					
	551879	551272	545492	541552	542181	541756	540959	539111	536360	539000	541534	541819	545307	27.908	14.807	15.242	15.399
11	538491	539360	539646	541298	545125	546366	545033	546290	543935	547589	547541	545398					
	548813	547654	548288	548873	545923	543678	541950	542865	541591	541834	542601	544523	544361	27.927	14.817	15.225	15.380
12	546122	546926	547557	545204	545755	546312	545898	547615	548032	547825	549377	548191					
	547577	550285	549557	549005	548402	543774	546919	546267	544817	542810	542277	542744	546635	27.962	14.816	15.197	15.355
13	541889	543957	545239	543920	544945	545401	544045	545519	547517	547840	548996	549036					
	551387	549283	549935	548283	548592	547072	545588	545028	541913	540990	544746	543170	546012	27.938	14.824	15.227	15.356
14	543223	544868	543471	543999	546330	546203	545077	545289	545693	550803	548603	547687					
	547029	546626	547734	544272	543373	543696	544906	541793	543144	542711	541790	542775	545046	27.955	14.805	15.228	15.376
15	543893	544293	545429	544990	545323	544790	546761	546191	546933	547811	548693	549623					
	546623	548034	546276	547091	546344	544602	545571	545763	546698	543117	544554	542401	545909	27.975	14.808	15.216	15.375
16	546789	543547	544896	546124	546258	543476	546381	547504	546513	548230	548921	549081					
	546545	544403	545208	543047	544025	543179	540038	543068	542840	542979	543536	542775	544974	27.895	14.844	15.263	15.346
17	541400	539609	536177	537836	540688	539600	538031	537967	535586	535945	536702	538260					
	534860	536662	536978	538592	532101	532667	531383	529202	528798	528277	532837	530329	535437	27.922	14.841	15.224	15.380
18	531776	529967	531046	533905	534537	533983	533668	532876	534444	534207	536626	534325					
	534798	535024	533865	532507	536848	535496	536125	535349	537270	536851	537808	536300	534567	27.911	14.838	15.242	15.374
19	535771	538025	534610	537531	536253	536697	534882	539269	535183	536567	535791	536145					
	535750	536103	534028	534936	537631	535630	536602	538243	537258	538516	537349	537960	536531	27.933	14.841	15.228	15.335
20	538534	539126	539687	538473	541723	539802	539883	540294	539671	538263	542058	541640					
	541647	539120	541744	537017	537286	539107	538349	540110	542579	542175	544572	544485	540306	27.944	14.821	15.234	15.366
21	544276	541384	543243	541983	540433	543060	541629	540555	542461	542752	541337	539809					
	541179	541331	542738	542169	541852	540969	541737	543814	542768	545505	545725	544792	542396	27.927	14.850	15.229	15.358
22	544256	546260	545004	544976	541899	544149	542681	544650	541983	543569	542209	542510					
	539219	540620	541030	538841	542747	541042	539610	542347	540729	541243	542224	542604	542350	27.946	14.839	15.233	15.350
23	540947	538536	541842	540245	539974	537226	537505	536315	535288	532607	533854	535453					
	530815	530184	531452	531793	532040	531541	532732	532309	534794	532831	530669	531364	534680	27.952	14.853	15.231	15.336
24	532613	529375	528898	528491	527971	527990	528704	528130	529153	529346	530543	527868					
	530973	531147	530841	529074	530377	529435	530092	528774	531403	529581	529845	531166	529658	27.911	14.825	15.277	15.370
25	532222	532253	532229	533430	533069	533186	533577	531847	532980	532152	535390	532597					
	535092	535830	533391	532834	533372	534949	534104	533256	533651	535482	536064	534986	533664	27.926	14.840	15.227	15.371
26	536888	534853	533983	537639	535716	538580	540369	540654	539391	539710	537228	540719					
	539842	541092	537346	536792	538146	540357	537370	536113	538250	536097	539522	539294	538165	27.968	14.812	15.230	15.362
27	539116	540042	539695	540260	539933	540531	540252	543116	540899	544212	543479	542663					
	542579	539696	539500	541470	542431	540670	541359	542520	541356	542514	540650	541029	541249	27.962	14.834	15.219	15.334
28	542370	541907	545083	543448	543736	544891	543580	546611	547229	547282	547388	546973					
	546590	547025	545127	544323	543308	544464	542465	545513	545601	545384	542392	543985	544861	27.922	14.842	15.225	15.343
29	543735	546140	543249	545100	545244	544011	544647	542920	544924	543873	545883	543726					
	546670	544879	547451	545073	546141	545218	546888	547678	546917	543846	545315	544748	545178	27.934	14.833	15.239	15.368
30	542670	543854	543833	542806	546302	546173	545027	544796	544959	547406	544230	545592					
	545537	545763	547357	546393	546582	547451	546745	547143	547119	548503	546410	545043	545737	27.895	14.840	15.251	15.363
MONTHLY	543810	543754	543598	543947	544024	543847	543699	544116	543806	544377	545034	544326					
AVG	544169	544159	543851	543158	543303	542857	542739	543203	543025	542940	543630	543517	543704	27.926	14.832	15.231	15.364

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UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG	R1	R2	R3	R4
1	548324	547364	546243	547896	547381	546860	547831	547054	544943	548217	546818	548073					
	549836	546591	548731	548263	547950	546559	545512	546591	545465	549623	547795	549354	547470	27.901	14.834	15.232	15.392
2	547956	549840	547413	548037	547185	545357	545257	546648	546660	546381	548915	547486					
	547367	547574	551529	548172	550404	550014	549084	550764	550530	551332	548525	547457	548329	27.914	14.845	15.229	15.348
3	545877	548450	547429	548433	549339	549568	548917	547284	548045	549729	549278	548752					
	548224	548935	547662	548275	550980	548998	550352	548467	548001	548075	542556	543988	548151	27.949	14.830	15.224	15.359
4	543690	545084	545873	542811	542763	545634	545866	546433	545550	548068	545404	547092					
	549650	548082	549222	549715	547752	548344	548054	547778	547508	550750	547857	550204	547049	27.914	14.835	15.243	15.349
5	549537	549136	550638	548154	549434	551378	547544	548962	548344	549716	549086	550557					
	548492	549941	549618	547743	550484	546443	549266	548795	548891	548731	547953	548963	549075	27.924	14.833	15.221	15.360
6	548121	548356	549052	549182	549839	549595	552743	552329	552876	554136	551127	551666					
	550847	550222	547551	548387	546618	547014	548177	546433	548002	546491	546117	546035	549205	27.917	14.844	15.248	15.358
7	547705	548674	545424	546815	546626	544315	547563	546298	545858	545817	545163	547332					
	547496	547420	547167	547738	547699	549078	548234	548106	548811	548549	547998	547827	547238	27.923	14.852	15.243	15.350
8	550091	548655	548238	549927	547680	550566	551895	552821	551243	551465	551012	552080					
	550983	552123	552862	554008	552234	554107	551743	549653	549199	549601	553901	552742	551201	27.917	14.860	15.225	15.390
9	550075	549283	553077	550505	551852	553085	555960	553409	557053	554973	553825	554981					
	553514	554038	553035	549277	551206	549716	549252	549035	546839	551302	548131	550234	551819	27.937	14.841	15.244	15.323
10	548194	548930	548967	551841	549984	551010	549919	553520	551431	554118	554587	553615					
	549805	552859	549931	548994	552244	549973	549997	548993	547845	547239	547855	548570	550434	27.888	14.857	15.214	15.396
11	546203	545293	547323	545806	548367	548948	550358	548774	548686	546358	544431	544970					
	544121	548248	544422	543086	542232	541242	537135	537273	540940	539129	539880	539568	544283	27.942	14.845	15.202	15.342
12	539955	539000	541730	540987	538857	539864	538252	538919	538844	539626	538908	540580					
	539686	541521	542298	541424	543726	544910	543569	545434	545643	546289	541293	543644	541457	27.977	14.845	15.221	15.355
13	542619	541287	540314	540728	539049	543345	541738	543878	542708	542600	540853	543868					
	542331	544661	543707	544355	544676	541879	543156	541891	542851	542478	541736	543289	542500	27.911	14.858	15.221	15.368
14	544571	542494	541719	543196	543186	540956	544340	543672	544006	543777	543436	545166					
	546975	544766	543764	544784	547109	547148	545368	547473	545887	547687	545521	545022	544668	27.926	14.844	15.227	15.350
15	546535	542634	544225	545618	544646	542314	542183	543027	544382	542368	544702	544122					
	546687	544943	545131	543144	543471	545051	543916	543924	544016	543078	545285	542019	544059	27.881	14.868	15.263	15.363
16	544188	544206	545040	545673	546489	545395	546365	546971	546457	547987	547409	547326					
	545815	546242	546002	545259	545640	549021	546969	545859	545094	546845	548018	545333	546233	27.912	14.842	15.232	15.352
17	547183	545274	547842	545422	543987	545061	548630	545111	549454	547955	547354	549058					
	550245	548699	547644	548562	547438	547126	548442	547271	548967	547154	549255	547460	547525	27.898	14.859	15.244	15.351
18	547903	547596	546688	547639	547861	548598	549366	548842	547831	549041	548333	550222					
	550872	549972	550420	549061	547763	551520	551802	548076	550179	548497	545653	546788	548772	27.917	14.857	15.221	15.361
19	547408	546759	546126	548468	545022	545149	546076	548125	549402	546790	548854	549577					
	547715	547757	547050	549722	548571	548983	546444	548501	544201	547334	546685	545727	547352	27.897	14.822	15.233	15.380
20	545987	547465	547119	545745	546254	549643	547926	543950	547893	549751	545189	547770					
	547484	548389	549780	548667	548205	550864	547390	546829	545960	544544	544698	546955	547269	27.922	14.838	15.223	15.369
21	547443	544817	545036	546221	543035	545113	545308	544819		544642	545350	543929					
	545834	547924	545460	545788	547011	544712	546318	548453	547652	546239	544760	544421	545665	27.944	14.831	15.238	15.339
22	543871	547096	545189	544908	545541	546447	544892	548355	545042	547871	548584	545749					
	546683	546662	546743	550867	547607	544279	544850	543573	544338	547335	543793	546020	546096	27.937	14.835	15.244	15.363
23	542549	546671	545546	546880	547406	548598	546672	548114	549843	547524	545507	548270					
	547570	547504	549604	549140	549136	550133	546911	544764	546511	548918	547195	551151	547588	27.930	14.822	15.224	15.368
24	548163	547676	548210	547194	548043	547470	551537	549634	549316	549795	550003	552430					
	550402	551979	553091	552169	551139	549704	548694	549711	550141	548977	548995	548852	549722	27.934	14.839	15.221	15.354
25	549305	552606	549194	551015	550476	550046	552393	552034	552255	552127	550023	553523					
	555067	551960	552160	550377	552586	552258	552723	553037	550402	552153	551564	552551	551743	27.939	14.842	15.209	15.370
26	551559	551261	549692	550313	552269	549316	549006	553021	552432	553059	552842	551613					
	554071	552705	553129	550858	553283	551421	552904	550755	550765	551638	550034	550087	551585	27.948	14.829	15.207	15.354
27	551352	551540	550258	549949	550716	548701	550838	549999	552086	551863	553489	554739					
	549870	552822	548309	553622	548934	552034	548971	547506	549813	546822	547635	549689	550482	27.931	14.821	15.211	15.369
28	548500	545174	548901	545833	549768	547619	547354	549057	552216	550936	552034	551774					
	555008	552777	553742	553654	550861	550969	549617	551402	549776	548496	550181	548763	550184	27.936	14.825	15.226	15.379
29	549768	547454	548691	547859	549164	546351	547714	547413	549157	547679	549903	547539					
	549286	550100	549756	549698	552849	553090	550900	551206	551744	550959	551356	551449	549628	27.909	14.850	15.231	15.360
30	550918	548027	547209	548189	548359	547834	549003	548898	549773	550409	550413	550871					
	551317	551127	550517	551088	551141	550317	549574	548111	550753	551372	550671	548363	549761	27.921	14.821	15.246	15.376
31	547853	548317	546850	546527	546761	549958	547735	549691	552029	548281	551124	548677					
	551222	549962	550245	548461	548655	548158	546314	547892	548531	548256	545571	547205	548511	27.894	14.853	15.211	15.360
MONTHLY AVG	547207	546981	546944	547025	547011	547229	547780	547970	548527	548486	548192	548820	547905	27.922	14.841	15.228	15.362

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UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY AVG	R1	R2	R3	R4
	13	14	15	16	17	18	19	20	21	22	23	24					
1	547500	547482	545371	547231	548956	547504	547974	550470	548413	549558	552539	550668					
	549480	549070	549327	548363	548919	546464	545686	545380	547001	546102	547812	547465	548114	27.942	14.837	15.233	15.366
2	548221	548639	550344	548813	547925	548577	550567	550092	549333	550334	551619	550385					
	552829	549847	550556	549510	548802	550175	549102	548941	548518	548025	548141	548034	549472	27.913	14.815	15.259	15.352
3	546533	546201	545308	546668	547663	549637	548457	549485	550092	550079	550943	548459					
	550037	550312	552501	551131	551340	549102	547904	547049	550301	548864	548964	548316	548973	27.942	14.834	15.240	15.365
4	546142	547224	547323	547424	549093	550722	549879	549557	548996	550025	551118	550886					
	549232	550451	550317	551492	551662	549984	550199	552393	548864	549080	545039	547719	549368	27.906	14.808	15.239	15.373
5	546727	546637	545760	549268	549692	551059	554235	552520	550834	551300	547969	549144					
	548533	552100	549285	548972	548199	548418	546665	544421	537964	536981	538499	540145	547305	27.904	14.824	15.232	15.367
6	539014	540755	543204	542414	547202	542290	541305	540950	541870	544001	544103	544320					
	545969	548099	545012	545237	542193	542662	540487	539518	537920	537802	536948	536855	542089	27.943	14.839	15.222	15.342
7	534513	535707	536931	535814	538548	538903	539217	541272	540617	541216	541911	544124					
	545056	543613	547435	545311	547790	545048	544336	543289	541625	539976	540062	541098	541392	27.912	14.866	15.215	15.363
8	541959	542444	541501	545480	544399	542905	543085	543700	545271	546251	549671	548709					
	549200	547983	547205	546514	545401	546435	545159	543645	543174	541485	543025	543606	544925	27.912	14.822	15.256	15.376
9	541468	542785	541818	543637	545627	546498	547288	549237	549640	552471	551957	551722					
	548835	550978	548740	549148	545971	546357	546227	546837	546379	546495	548452	548275	547368	27.964	14.840	15.230	15.338
10	547391	547939	545576	546127	546643	547431	547340	549186	549915	551080	552975	552164					
	553869	551383	553667	550172	551166	548300	548904	548263	550870	550829	548333	548314	549493	27.938	14.826	15.213	15.365
11	547410	547597	545438	547572	546950	547988	548629	547731	549228	551443	553262	552768					
	550531	549625	548971	550925	550240	550361	549923	551824	547364	549200	547883	546340	549133	27.949	14.830	15.235	15.355
12	550002	548527	547653	549301	550086	547998	549211	548615	550122	551924	551530	551587					
	549444	550036	548319	551124	550377	547719	548463	545966	546253	548390	548397	547542	549108	27.935	14.838	15.211	15.367
13	549411	549775	548258	544406	546917	547772	549256	551171	551303	550067	552034	550968					
	550179	549978	551191	550538	549620	552872	549376	549038	548397	548071	548773	547924	549471	27.925	14.857	15.249	15.336
14	546941	546970	547926	546976	547334	548093	546632	549509	548255	548092	548952	549766					
	549738	548714	551809	551316	550682	553453	553535	550259	550753	550898	547956	549612	549340	27.940	14.872	15.190	15.377
15	549654	551256	549901	549915	549239	548017	549244	549288	549061	552527	548647	551493					
	550566	552852	551056	550352	550227	551538	551138	551259	548243	546916	548416	547133	549914	27.937	14.853	15.205	15.359
16	547040	547813	547227	546585	545357	549290	546680	543959	546679	546910	546824	546131					
	547048	547289	550384	549761	549049	550377	548632	545846	545643	546388	545779	545377	547169	27.930	14.821	15.249	15.348
17	546929	547291	544289	547115	545058	543838	545552	544773	546613	548069	550284	547293					
	550396	549851	549006	547193	548524	546379	545381	545623	544895	542974	542350	542131	546325	27.894	14.839	15.251	15.385
18	543990	544089	542738	544892	544609	543313	547206	545762	545485	546338	548876	545046					
	546540	545450	549268	547942	546778	549336	548061	549236	548886	549737	549406	548637	546734	27.951	14.822	15.210	15.370
19	549615	547490	548161	547070	548521	546042	546558	548114	546971	547703	549495	549899					
	548577	549875	549554	551550	551139	552638	549179	550939	551282	550227	551818	552665	549378	27.928	14.839	15.242	15.349
20	547321	548132	545813	550860	548837	549072	548168	549290	550767	550103	551047	548893					
	550083	550511	549577	551896	551381	549351	551796	551126	549467	551294	550264	549848	549787	27.946	14.841	15.235	15.345
21	547963	549485	547750	549762	550793	550366	550322	548931	550714	551267	553479	548592					
	551276	550857	551663	552866	553330	551074	550345	550524	551391	549325	548666	548979	550405	27.936	14.831	15.205	15.369
22	547099	548497	549018	549031	549697	548796	550821	549143	550143	551733	550665	552857					
	549810	551937	548639	552272	550004	549485	552817	550790	549040	547190	545936	547718	549714	27.947	14.840	15.194	15.377
23	548707	548047	548131	546638	550450	549528	546644	548712	550274	550746	551741	549965					
	552732	550103	550882	551843	551623	552742	550793	548041	549814	547845	545921	547967	549579	27.930	14.853	15.204	15.356
24	550551	548585	547415	547061	550278	550243	549822	550175	549227	551179	551014	550562					
	550103	550587	550528	551819	550256	549496	551121	549645	550004	551512	549746	550510	550060	27.953	14.854	15.210	15.353
25	549714	549922	548950	550007	549327	551149	550185	551590	553225	553830	551685	552512					
	554196	554913	554116	555554	554651	550313	550941	552641	554115	551997	552157	552509	552092	27.933	14.846	15.244	15.379
26	551164	549971	550492	551244	552477	552237	556153	552328	551725	554109	553569	552196					
	553671	551990	554054	553346	551686	553433	551922	552663	552511	550629	551208	549267	552252	27.939	14.822	15.230	15.368
27	548486	551770	551470	550042	547996	550277	550814	548170	546131	549569	550717	548852					
	552263	553407	551423	553788	551591	554222	552200	550775	551803	550973	550414	547590	550614	27.919	14.835	15.232	15.365
28	547947	551560	551027	549796	549334	550724	550857	550435	551249	551635	552334	551978					
	552185	552387	551189	550221	552317	553504	552209	552288	550737	549663	549119	549300	551000	27.892	14.848	15.229	15.365
29	550798	548314	549270	548666	549151	550231	550653	552480	550184	551995	550639	551795					
	551105	552993	552140	554180	553062	551115	550243	551308	549282	553169	550692	550454	550997	27.912	14.853	15.239	15.357
30	552355	551177	551204	553596	551695	551335	551274	551641	553591	552293	554528	553251					
	555896	556315	552789	554006	554855	553883	554363	553507	554839	552875	550096	552908	553095	27.891	14.847	15.256	15.360
31	551360	549414	549467	552339	553445	553201	552965	554763	552618	555017	554979	554577					
	554944	553541	554991	553527	556089	554376	553805	552521	550962	551563	549822	551694	552999	27.940	14.833	15.234	15.371
MONTHLY AVG	547223	547468	546927	547605	548171	548227	548613	548808	548985	550092	550681	550050	548957	27.929	14.838	15.229	15.362

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UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY AVG	R1	R2	R3	R4
	13	14	15	16	17	18	19	20	21	22	23	24					
1	552890	553031	553522	550815	552844	549877	553486	554877	552157	552263	551476	554659					
	554022	556373	552876	554383	553215	552805	552783	553272	551679	553315	552366	552048	552960	27.911	14.848	15.225	15.399
2	553361	553092	553587	552519	552876	552328	553054	554057	554118	554120	553265	554059					
	552872	553967	553859	553224	553831	555438	553672	556949	552007	553169	551744	552380	553481	27.924	14.833	15.238	15.373
3	553216	553108	552980	555759	556875	555907	553568	555762	554145	554644	557519	555593					
	556835	555110	558130	555898	554939	553426	553370	551489	553767	551237	550165	550926	554349	27.900	14.863	15.234	15.346
4	551256	551782	550914	551213	552366	552638	551320	551074	552752	554181	555474	554963					
	554755	555741	556111	553917	553550	554735	552168	550700	549936	551471	548844	550279	552589	27.922	14.871	15.223	15.323
5	549507	548775	550185	551209	548779	549966	550623	552432	554071	552267	551806	552952					
	553289	552438	551603	552664	551533	552106	552440	549414	551667	551949	551572	549878	551380	27.927	14.857	15.218	15.364
6	549329	549647	552641	552403	551511	550671	553907	556138	554473	553917	551973	552785					
	555791	551608	553816	553484	553448	551142	552009	551928	551831	552442	550273	547378	552544	27.949	14.841	15.247	15.340
7	551060	552144	548413	550418	550052	553195	552357	550281	550489	551423	551495	554590					
	554561	553167	555342	551712	551344	553707	553159	553360	551269	550062	547537	551469	551775	27.938	14.860	15.221	15.355
8	550683	549795	550688	548814	549891	549453	551618	549712	551124	554763	554693	555040					
	555118	556680	554275	550565	553480	553417	550459	552999	551369	551048	550808	548730	551884	27.905	14.864	15.241	15.379
9	548318	548155	549442	549188	550789	551719	553526	554152	551723	557419	555022	555050					
	554201	552620	552866	553253	558001	559504	557177	557739	556072	558058	554955	554968	553913	27.953	14.816	15.235	15.345
10	555686	553199	553668	556679	554236	549590	547745	545358	547506	547018	543868	543906					
	542535	546776	541864	541548	542721	544558	543411	543259	542260	547943	543840	543502	546778	27.924	14.849	15.240	15.353
11	543170	545979	544491	544002	544417	543485	544861	542783	541767	543401	545887	542738					
	543720	544312	544404	543654	544585	544921	546204	544045	545373	544392	544637	544412	544235	27.928	14.830	15.233	15.341
12	544343	541844	543421	545442	546030	544157	544093	545464	544522	543828	545331	544487					
	542858	545281	545404	542398	543124	545246	546705	545330	545919	546124	546978	548164	544854	27.912	14.834	15.251	15.347
13	546098	546402	544890	540694	544010	542492	544796	544012	543080	548054	548375	549305					
	548812	546746	549120	546251	543735	546245	545613	544688	544971	543086	543051	541882	545267	27.922	14.843	15.252	15.376
14	541347	541322	541602	541584	542477	542257	544989	543167	542972	542951	544526	542710					
	543531	544501	546906	543826	545003	544828	545391	545152	543850	545303	542264	542197	543527	27.943	14.830	15.241	15.331
15	542140	544557	544939	541390	544515	544805	544250	545362	547439	545623	547286	544653					
	547120	544407	550108	549249	547513	545309	549193	545435	545898	546186	543087	545488	545665	27.925	14.836	15.208	15.365
16	544840	545508	545896	546645	546429	545780	545583	547178	547246	547645	548336	547158					
	547034	546694	549265	550028	550464	548376	547984	551098	549879	547746	547832	548086	547614	27.895	14.872	15.233	15.370
17	544924	546863	547640	547895	549265	549877	548211	548609	546549	549408	552292	549420					
	545896	549806	549943	547835	545263	545765	546756	547047	549778	543909	544810	547196	547707	27.950	14.830	15.210	15.338
18	547066	545130	547161	547635	545721	548678	548318	547639	545903	547632	546323	541272					
	543674	543308	542787	541308	539341	538981	537240	538182	539524	542481	546387	546238	544080	27.915	14.869	15.229	15.349
19	546562	547751	544656	549375	545933	546598	547299	545581	548622	546657	550913	547483					
	549408	549133	549018	549946	550871	550600	550364	551106	553886	554719	551447	554803	549281	27.890	14.838	15.233	15.362
20	552208	550942	549719	548448	552008	552837	550361	552149	550358	551132	550165	551952					
	552572	551971	550544	552425	550141	553040	549539	552293	553520	553983	553285	554771	551682	27.915	14.865	15.210	15.382
21	554340	550117	552340	550954	550391	552159	550768	552692	552518	553737	554117	552670					
	552027	554482	554936	553494	553948	555511	555067	553920	554059	551389	554325	554194	553090	27.932	14.847	15.201	15.375
22	553914	552895	551776	553807	553770	555357	554288	554825	553307	554627	554316	557454					
	555977	556883	557030	555581	557051	558304	553020	557894	556835	556557	557899	554934	555346	27.901	14.842	15.254	15.357
23	554116	553103	553453	553000	553429	552197	554340	553985	555425	554851	556072	556652					
	557175	557521	557812	555500	554692	556318	552506	552586	551965	555136	555095	553735	554611	27.911	14.839	15.265	15.359
24	554407	552909	553184	552254	552908	549980	553315	552203	550860	552488	551486	552848					
	553605	550459	553260	553919	556426	553960	553576	555003	556061	554636	551699	552674	553088	27.931	14.866	15.242	15.342
25	552171	551274	552163	553004	550714	549906	551051	552465	554549	556572	554497	557840					
	556467	553985	555925	554472	552769	553070	554323	554561	551809	551378	550013	550301	553137	27.894	14.838	15.213	15.365
26	550526	550846	549036	550236	552675	550432	548372	550151	549496	549757	552278	551518					
	550966	548320	548128	548418	552005	548225	542639	541514	541538	544495	544149	545950	548403	27.947	14.823	15.221	15.357
27	543256	544257	544616	541233	541916	540275	541062	543580	540639	539059	540490	539580					
	539925	543028	539625	540138	540335	537554	544294	541893	543033	539299	540565	543123	541366	27.921	14.840	15.210	15.356
28	541612	541468	543366	544744	542468	541908	542405	541555	541140	540344	539038	542464					
	540812	542770	541332	543747	544651	544860	545065	542063	545465	546022	546137	545133	542940	27.957	14.847	15.206	15.361
29	543729	546650	544647	542022	542935	544529	541435	543619	545613	542925	541519	545868					
	545162	543363	543334	544740	547238	547599	549889	550248	551110	548435	547249	543974	545326	27.918	14.847	15.230	15.371
30	544440	545235	544570	543482	546070	547775	547333	544814	546240	545594	546825	544590					
	542010	542331	544551	542318	544210	546638	546031	547453	550049	544183	545756	546511	545375	27.920	14.848	15.210	15.385
MONTHLY AVG	548684	548593	548654	548562	548943	548694	548945	549189	549027	549610	549955	550025	549275	27.923	14.846	15.229	15.359

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UT	1	2	3	4	5	6	7	8	9	10	11	12	DAILY				
DAY	13	14	15	16	17	18	19	20	21	22	23	24	AVG	R1	R2	R3	R4
1	544649	545302	545383	545335	546202	542541	545716	545150	543876	544468	544945	546594					
	544865	545740	545976	543721	544651	545935	547609	548074	549408	549365	548198	550462	546007	27.931	14.854	15.210	15.350
2	548485	551214	548518	547328	542370	546122	543794	543468	546540	543670	545144	545626					
	545010	544943	542841	546209	543136	544673	544561	546203	548749	547714	548953	547750	545959	27.922	14.835	15.220	15.386
3	545229	543902	543809	547099	544378	544587	546496	545287	547561	547573	547449	548135					
	547233	547396	548334	547983	548517	547105	547493	546222	544339	544764	545709	547106	546404	27.955	14.850	15.225	15.351
4	545390	542281	546493	547024	545687	547234	545792	546951	548111	548031	548679	548893					
	546439	549038	550026	550550	548444	547844	547471	546774	546140	543871	547531	543747	547018	27.966	14.826	15.212	15.355
5	543963	544983	544653	546554	549328	547356	548611	550107	547458	546355	549907	546987					
	546165	545956	549224	544909	543088	542760	540981	538111	538545	537662	539297	541241	544758	27.963	14.830	15.227	15.362
6	538715	540237	538390	542150	540745	543319	540887	541961	541556	541964	541330	540330					
	541679	539629	542272	543282	539782	541706	541996	539577	540007	540453	541657	541201	541034	27.909	14.837	15.234	15.344
7	541632	542882	544453	541271	543192	542111	542761	542516	544107	542296	540609	539443					
	543374	541992	542124	540037	542910	541792	542471	544038	545687	543689	543315	546282	542708	27.873	14.843	15.258	15.359
8	546036	544131	545137	545578	543229	546221	544994	544086	547203	543534	545073	542970					
	543311	546740	547467	548266	545954	545774	546079	547222	547687	549389	546098	547578	545823	27.933	14.849	15.247	15.364
9	548568	549029	546177	547487	545793	547321	545868	543917	547216	547960	547282	546663					
	547282	546024	549379	547648	546007	546392	545443	546027	546756	545732	543801	539739	546396	27.964	14.833	15.243	15.349
10	541712	544661	541992	541951	542710	542635	544509	542736	547108	545639	546071	546911					
	546855	547970	545882	547797	543852	543733	544204	542064	543738	542865	542310	539282	544133	27.935	14.860	15.233	15.341
11	539411	539923	541560	541720	542851	540859	542392	543682	541782	543243	542649	542603					
	545345	544407	543797	540980	544351	544300	542647	543195	541259	538769	536935	540513	542049	27.957	14.840	15.233	15.342
12	540951	540126	541514	540006	542404	540464	541157	544181	543250	546615	542491	541970					
	541541	544939	545500	545005	545552	542617	544542	542711	542220	542268	541231	544522	542824	27.960	14.851	15.212	15.359
13	542237	544156	541612	543146	545652	542022	543119	544592	545170	545844	545743	544642					
	546477	545984	547938										544556	27.939	14.842	15.220	15.389
14																	
							545148	545034	546401	543580	542662	543190	544336	27.915	14.835	15.224	15.354
15	544343	542607	545261	544715	545494	547762	545511	546452	546382	546854	546782	546165					
	545971	546543	548108	547664	544040	544908	545879	546188	544540	545815	544986	545835	545784	27.956	14.825	15.222	15.354
16	544450	545126	542681	546984	546257	548563	548000	546369	546421	548481	549343	547829					
	548833	549105	547074	549527	547453	548692	545451	546841	545317	547149	547527	546502	547082	27.920	14.828	15.217	15.368
17	549081	547381	547394	547571	547078	549127	548303	548279	550295	548328	548824	548675					
	550300	549273	551288	550584	549533	551404	547686	550374	548984	547918	546866	551755	549012	27.944	14.832	15.220	15.373
18	549132	548076	546758	547782	548999	549503	550649	549465	552411	549876	551566	550505					
	549495	550142	550745	552876	550039	550465	551978	551608	549309	549736	550184	547960	549969	27.937	14.859	15.222	15.337
19	550883	549184	549231	550084	548949	548257	549732	552255	549244	550510	551048	552369					
	550126	550405	549729	551047	550150	554086	552647	552118	553557	552296	551177	551631	550863	27.927	14.855	15.236	15.365
20	551197	550301	551925	551056	550386	547985	548043	548440	549013	551005	550543	548267					
	549509	549168	550748	549312	549387	551179	549453	550676	550256	550239	550642	553102	550076	27.895	14.813	15.236	15.367
21	553149	552808	550105	553494	550928	551802	551177	550762	554550	550544	551580	551670					
	553107	552463	551904	554267	552868	553164	553436	553204	553301	555474	551339	554085	552549	27.906	14.825	15.233	15.357
22	552559	550724	552430	551512	551992	552406	552139	554356	555662	553558	555829	553639					
	554254	555647	556575	553013	552949	554402	555335	553392	552506	551546	550461	552623	553313	27.929	14.841	15.247	15.342
23	550455	547398	549733	548669	551724	552024	549580	555230	553222	554265	551625	553267					
	550220	552323	553524	555259	556575	554035	553905	556573	556955	558352	554788	556155	553161	27.916	14.849	15.237	15.343
24	556205	558404	557811	558312	557473	557725	557696	557485	555908	555216	553799	555808					
	557168	556779	555523	556714	554939	557400	554266	553033	548116	546591	547253	551565	555050	27.918	14.865	15.205	15.339
25	552725	549399	547853	543899	540258	543467	541145	541111	545311	543822	545221	541443					
	541327	540368	540779	542785	544514	544217	546786	546735	545266	544905	542370	545449	544215	27.915	14.858	15.229	15.351
26	542316	541754	540737	540913	541020	541817	542705	545752	548172	546059	545561	545652					
	549292	548753	549075	547378	548446	549668	546996	544966	542709	541804	540895	539324	544657	27.926	14.857	15.215	15.346
27	540935	540608	540061	540761	543563	544559	543238	542186	542447	543655	543984	546817					
	547949	547285	549311	547442	550421	550947	550966	549942	547785	545406	548658	545874	545617	27.909	14.831	15.203	15.395
28	545605	545944	546903	546671	546836	546114	542976	545626	544820	544541	545673	546062					
	547663	548805	554028	549690	552398	553603	554732	553148	553526	553488	551411	546497	548615	27.967	14.821	15.213	15.358
29	545842	545478	546846	546522	547960	548773	548105	548848	549494	551330	552133	554960					
	555078	557843	554935	555429	554464	555617	554665	554559	553236	556934	553444	550912	551809	27.940	14.820	15.214	15.352
30	547708	550004	549349	551609	551717	552467	553747	553543	555794	555790	555024	555062					
	558010	557474	558543	558993	558999	554264	554780	551530	550727	549977	548179	551602	553579	27.931	14.839	15.225	15.363
31	551626	551760	546660	548483	548184	547026	547590	547682	547961	548196	551343	552631					
	550135	552381	551624	554058	552978	554799	551769	553909	551003	551538	554180	552502	550834	27.928	14.841	15.232	15.343
MONTHLY	546654	546401	546201	546639	546473	546902	546666	547168	548030	547703	547983	547860					
AVG	548191	548604	549184	549049	548531	548879	548491	548242	547642	547438	546876	547338	547631	27.932	14.840	15.226	15.356

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Pressure corrected data - November 2011

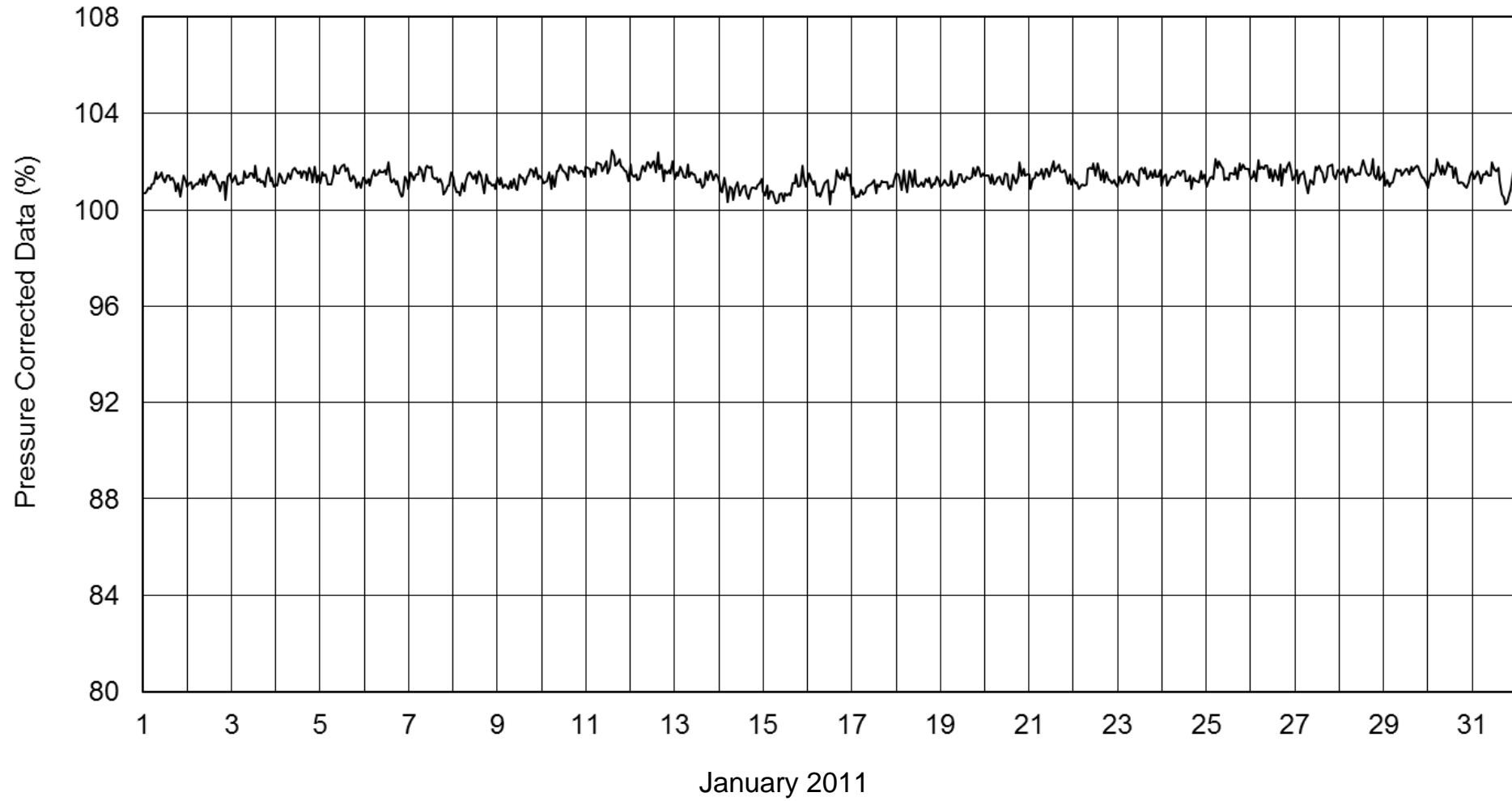
UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG	R1	R2	R3	R4
1	554655	551836	552246	553543	554205	552157	555115	551991	547593	548538	552327	554435	549326	27.892	14.859	15.219	15.372
	552540	551285	552032	548728	546841	543877	542789	544979	544089	544171	541745	542105					
2	545450	545956	545498	547164	546745	544692	546113	548184	549324	548912	549772	550207	547912	27.918	14.818	15.204	15.404
	550949	548620	550948	549879	548496	547620	546230	548321	547802	547609	549399	546005					
3	548625	546682	546897	547162	545795	548154	545774	547959	542842	547451	546346	548081	547256	27.920	14.814	15.208	15.379
	549009	550545	548766	546367	547916	548095	549144	548433	547326	547081	544058	545649					
4	545018	544385	546978	547239	546135	546583	547235	547197	549276	548212	550800	548881	547765	27.985	14.827	15.201	15.359
	548069	548722	548288	550438	547552	549697	546563	548564	547591	548574	546810	547549					
5	549222	548520	547865	549858	550472	551051	552168	552430	553717	550753	552619	552776	550867	27.898	14.846	15.241	15.327
	552886	552314	550554	552992	550706	549267	550636	550987	551301	548561	549282	549881					
6	551494	549776	550350	550390	550414	549708	551073	551392	551205	548091	549528	549278	548925	27.904	14.832	15.222	15.357
	550894	548865	549133	550132	548112	547111	542907	547096	547644	547721	546623	545097					
7	545204	547101	546010	545184	547399	550466	549951	551082	553997	551552	554308	552896	548754	27.912	14.815	15.217	15.369
	552772	552167	551572	552993	549587	548385	544726	543902	543631	543365	546066	545785					
8	546739	545061	547677	545919	547626	549903	549744	549175	547110	547284	547846	548750	547892	27.930	14.816	15.221	15.371
	548941	548093	546341	547310	546650	548784	549460	547696	548856	547893	548568	547989					
9	548241	545940	547633	545929	547810	549461	546483	548938	550415	550085	549976	550621	549980	27.952	14.840	15.211	15.357
	551548	553722	554350	552995	553734	552813	554093	553001	550333	548199	547378	545829					
10	546538	548166	548428	548475	547846	548667	548780	549708	547035	551216	550886	550354	548502	27.918	14.838	15.232	15.341
	552037	549104	547780	548380	547366	547622	546194	546825	547360	549814	548570	546897					
11	547847	547193	548200	548131	546799	549718	549254	548535	547149	547347	547860	550188	548552	27.900	14.849	15.219	15.373
	546455	545588	546931	547902	546623	547398	549768	551991	551880	549159	552681	550646					
12	550690	548107	548716	549108	551126	553681	550508	549248	546543	546921	546226	547204	551005	27.937	14.827	15.255	15.348
	550304	551769	553842	553122	557400	553719	551617	552587	552686	553625	552973	552385					
13	550719	548650	549594	549542	551441	550296	549035	551474	551265	550273	546418	550369	550683	27.915	14.848	15.228	15.349
	552139	552988	551734	553662	555714	553886	553120	552407	550302	548430	546933	545999					
14	546033	545671	546627	549907	550152	551939	550999	548008	548213	548003	547561	550090	551008	27.965	14.858	15.206	15.358
	553485	554876	553643	556126	555261	552455	555030	554230	551404	550931	552545	551014					
15	552767	552463	554309	554002	552402	549734	550818	552088	553940	551907	552848	552936	552824	27.921	14.826	15.203	15.383
	552413	553148	553965	554781	555702	553657	555756	551683	552319	552589	552019	549523					
16	549759	551750	550585	551156	551659	551747	552601	552427	552391	554489	551837	551016	551743	27.930	14.840	15.240	15.351
	553226	552683	554146	552997	550780	551685	553951	551145	549740	549267	550555	550247					
17	551268	549616	551746	552363	552457	550632	549821	551865	551123	552404	552097	553821	552586	27.920	14.847	15.237	15.354
	553305	554085	553442	554990	553927	553885	554689	551731	553169	553614	552039	553967					
18	553092	551924	551119	548619	549790	549729	550328	551213	554374	548520	552688	552315	551713	27.912	14.839	15.227	15.384
	549608	550884	553532	554576	555588	554794	555396	552376	552971	550066	549066	548541					
19	551260	549920	549286	549025	551383	552076	551758	551706	553196	552166	552169	553074	551772	27.920	14.828	15.236	15.342
	551177	553016	553505	551762	553909	552306	552277	550740	550297	552590	551238	552698					
20	554115	551483	553943	551214	555533	551508	552620	551642	552158	552441	551703	550373	553022	27.962	14.842	15.236	15.335
	553573	550577	551279	550862	553439	553419	556780	555613	554458	552442	555456	555894					
21	556985	557904	555728	554389	558704	556310	554093	554966	552311	553031	551111	550568	554128	27.891	14.849	15.243	15.370
	553290	553109	555588	556314	554147	554626	553367	553455	553155	550814	552241	552869					
22	551988	552821	551506	552417	550593	550752	553056	552635	550362	549947	549725	551176	551865	27.927	14.828	15.221	15.364
	551790	552513	551590	551455	552410	551928	552035	554960	553044	550417	551530	554117					
23	553042	554710	553964	552275	553215	553303	552663	552229	551772	552190	554297	557541	552913	27.920	14.826	15.217	15.366
	554420	553193	553904	553587	551240	550996	553049	553968	549895	551917	551011	551531					
24	554204	551227	552431	550826	550084	551724	550369	549910	551047	549110	550980	552850	552174	27.942	14.825	15.210	15.353
	552341	552670	550742	552553	552314	554030	552043	554053	552219	552459	554710	557272					
25	556481	556690	557750	551583	551837	553458	552829	552541	550854	551452	554194	549858	553193	27.943	14.835	15.217	15.357
	553170	555469	552702	554477	552952	552515	552114	554667	552789	552465	552799	550998					
26	554446	554463	554611	556455	553456	553760	556492	553148	556943	553223	557049	554200	554225	27.920	14.819	15.240	15.351
	553488	552240	552897	553228	554847	553291	555279	552343	552717	552663	556577	553581					
27	554359	554865	552210	552958	550628	550902	551056	551617	552233	549851	551086	553667	552809	27.954	14.835	15.239	15.354
	553997	554158	551570	554880	553904	551514	554459	554735	556814	552300	553400	550242					
28	552569	550703	549459	552596	551798	553436	552954	555473	553938	555876	555978	553799	554769	27.920	14.841	15.245	15.359
	557315	559014	558171	556072	555517	557466	555850	554891	555538	557068	553844	555130					
29	556082	553290	553215	551676	551935	548620	551098	553068	551379	547924	549745	551554	550417	27.945	14.816	15.208	15.360
	554850	550099	549213	548874	547458	548577	549365	550497	552845	548482	545919	544247					
30	547085	546064	545923	546403	549381	548719	546508	550715	552921	548940	552993	553934	551196	27.969	14.825	15.196	15.374
	555168	555887	556453	555929	552244	554045	552311	553929	553688	549317	551275	548866					
MONTHLY AVG	550866	550098	5														

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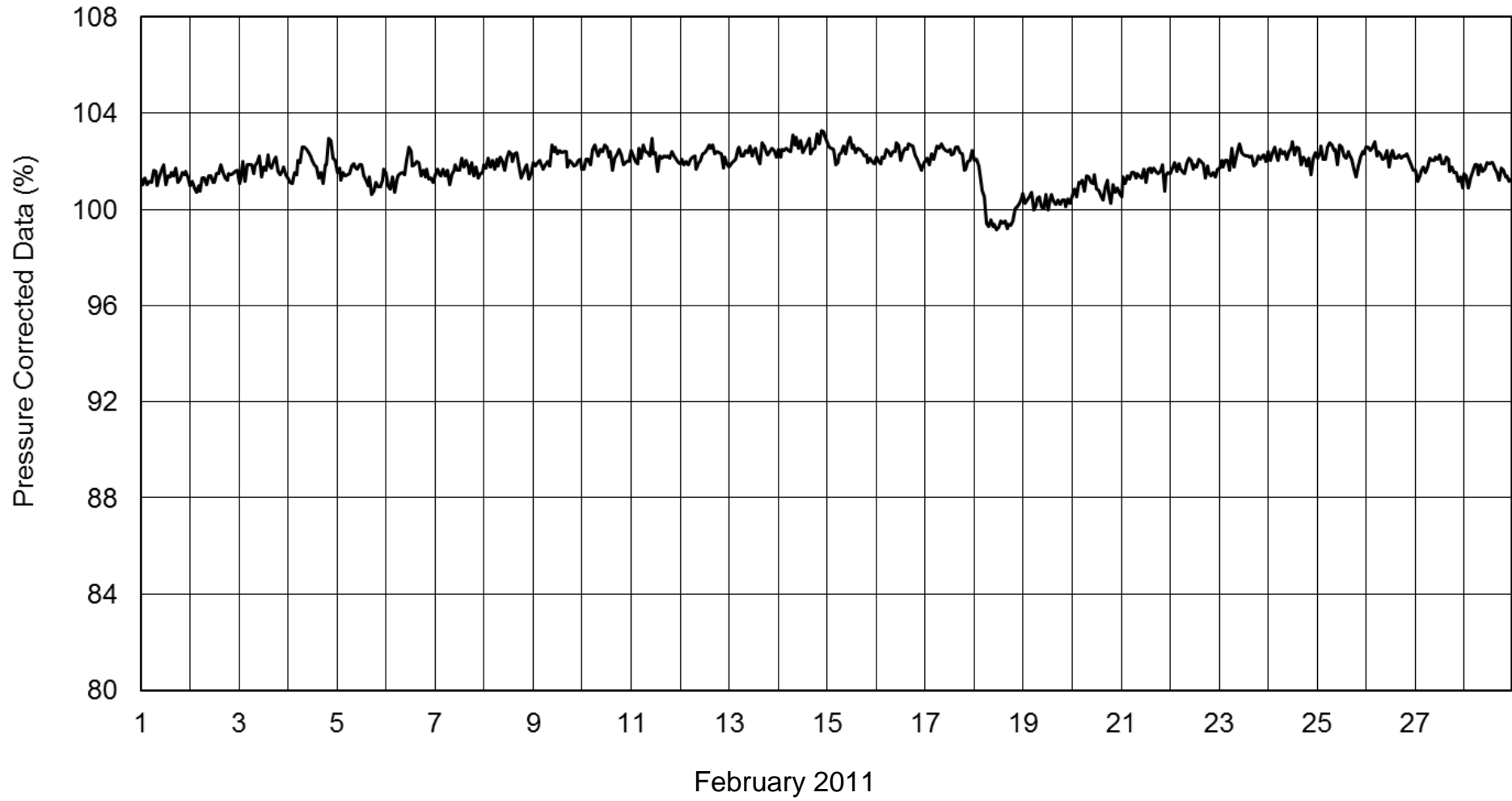
Pressure corrected data - December 2011

UT	1	2	3	4	5	6	7	8	9	10	11	12	DAILY				
DAY	13	14	15	16	17	18	19	20	21	22	23	24	AVG	R1	R2	R3	R4
1	548987	552452	551021	555552	555020	554414	557226	555519	556502	559995	557736	561582					
	560651	558506	559504	555164	552328	553858	552289	552929	553819	552961	551935	553059	555125	27.948	14.847	15.187	15.349
2	556521	555653	554676	552554	553384	551998	549602	552328	551334	553468	552766	552361	553918	27.927	14.825	15.204	15.361
3	551527	550674	548947	551135	548950	549873	549636	550226	553256	554739	556424	557264	552882	27.924	14.873	15.218	15.328
	558848	559285	555656	553206	554158	553065	554267	552719	552996	551493	551823	548997	552882	27.924	14.873	15.218	15.328
4	548247	550646	551718	552769	549067	552387	551195	551668	553173	553830	554132	553582	551918	27.902	14.826	15.243	15.349
	553547	556402	554707	554683	555348	552058	551013	549191	549008	549905	547806	549946	551918	27.902	14.826	15.243	15.349
5	550191	550557	548514	550390	550631	553249	550773	554682	553361	552025	552146	552317	552002	27.935	14.839	15.219	15.374
	555987	556688	553528	554478	552437	550921	551395	551318	550847	554374	548638	548602	552002	27.935	14.839	15.219	15.374
6	548787	550383	549135	549160	549083	550182	549602	551979	551841	553237	553769	553865	552214	27.947	14.836	15.216	15.372
	554129	553201	554021	555175	554196	555406	555400	553491	552279	551763	550702	552348	552214	27.947	14.836	15.216	15.372
7	551149	549258	548281	551533	550322	551507	551145	552406	553166	553682	556077	554400	552028	27.937	14.870	15.202	15.353
	555113	551242	553146	553690	553204	552421	554258	551562	552455	550556	548795	549300	552028	27.937	14.870	15.202	15.353
8	547520	549064	548265	548187	548631	553051	550271	552936	551362	552915	553910	553147	552165	27.942	14.834	15.220	15.363
	556243	551662	554093	554505	555067	557333	555304	552639	553042	551376	549569	551861	552165	27.942	14.834	15.220	15.363
9	550790	550233	548567	552532	549243	551180	549721	551964	549952	553817	554367	555400	552433	27.956	14.851	15.221	15.321
	553588	553883	556726	554639	553858	553680	556614	551913	552625	551433	552799	548970	552433	27.956	14.851	15.221	15.321
10	551413	552383	550367	550795	551489	551453	549860	552245	553815	555566	556554	556549	553533	27.923	14.792	15.229	15.407
	556376	556815	553597	554591	556248	553232	551418	553219	553546	556571	553910	552778	553533	27.923	14.792	15.229	15.407
11	551584	552716	551798	552529	553764	553354	551881	554165	556366	552164	553269	552614	553202	27.940	14.837	15.218	15.366
	556871	553507	555774	550920	553544	553970	553696	552357	551678	551637	555143	551538	553202	27.940	14.837	15.218	15.366
12	552688	554469	551676	551186	552909	551591	550596	551264	550728	550009	553591	552539	552829	27.933	14.817	15.182	15.385
	552839	551067	553915	552198	553551	553272	555645	554791	553542	553865	555797	554179	552829	27.933	14.817	15.182	15.385
13	554368	555458	555052	556693	555015	552701	552058	553198	554370	552546	556196	556335	554696	27.910	14.839	15.223	15.362
	555813	555231	556891	553737	555198	554948	556532	555845	554575	553850	553657	552432	554696	27.910	14.839	15.223	15.362
14	554657	552238	554574	555009	555798	555235	553777	555472	552892	553832	556052	555407	554726	27.897	14.866	15.234	15.351
	556774	553795	555022	552783	553186	555816	555444	553569	554936	554958	554475	557718	554726	27.897	14.866	15.234	15.351
15	555926	555087	555087	555637	555439	554493	555747	556099	557086	556749	555757	556729	556536	27.913	14.848	15.240	15.369
	557133	555434	557144	555840	558082	556308	556909	557894	560889	558468	555210	557726	556536	27.913	14.848	15.240	15.369
16	554455	557905	554434	556644	555500	556744	553870	555413	559049	558391	560894	556431	557502	27.906	14.837	15.226	15.351
	558229	556602	560118	556283	560287	556981	557596	557844	557516	558698	558036	559115	557502	27.906	14.837	15.226	15.351
17	556635	557309	556472	559348	555986	557214	559542	557840	559206	559515	558081	560372	559537	27.962	14.832	15.199	15.349
	561372	558829	562521	560846	560129	561131	562812	561651	562518	561036	558554	559972	559537	27.962	14.832	15.199	15.349
18	557729	555756	556556	558423	558429	560879	559646	558967	560332	559899	558640	560070	558790	27.925	14.839	15.219	15.352
	559838	562451	557372	558938	559156	559247	561414	558683	557829	557920	557023	555756	558790	27.925	14.839	15.219	15.352
19	556365	556728	555930	555493	557870	556502	557573	557521	556653	556877	557184	558187	557545	27.895	14.825	15.234	15.364
	559056	559432	557259	560284	560461	559324	559283	558503	558123	555288	555005	556172	557545	27.895	14.825	15.234	15.364
20	554918	555203	555356	557388	556407	556198	555743	554827	557224	555394	559083	557959	556853	27.900	14.824	15.240	15.373
	557337	560952	562277	558874	559370	557299	557808	556485	557614	554078	553186	553498	556853	27.900	14.824	15.240	15.373
21	554067	554236	555657	555462	557983	553583	555706	556239	556864	556849	555549	554713	555468	27.960	14.833	15.215	15.364
	557013	555968	556399	554318	556526	553821	555337	555656	555372	554128	556337	553453	555468	27.960	14.833	15.215	15.364
22	552867	555294	552993	552656	552654	556263	555504	555506	555809	556067	558741	554764	555414	27.940	14.821	15.236	15.353
	557364	556854	556230	557637	557414	555671	557338	554086	555379	554738	553956	554155	555414	27.940	14.821	15.236	15.353
23	553980	552269	552010	553110	550849	553599	554776	554148	554570	554232	556967	556783	554724	27.930	14.831	15.208	15.372
	553701	554551	556299	555631	556537	556801	558625	557176	554668	553806	554589	553703	554724	27.930	14.831	15.208	15.372
24	549756	554420	554845	555158	556214	553269	557219	553068	554121	554189	557341	555704	555279	27.921	14.819	15.236	15.357
	556695	555538	559351	556145	557312	554209	554086	555208	555636	555249	555177	556779	555279	27.921	14.819	15.236	15.357
25	556162	555778	558143	556539	555961	554306	556035	555366	555704	553812	553587	553530	555940	27.936	14.820	15.245	15.356
	552409	553365	556728	555758	556615	557818	558810	555965	558238	557189	558049	556682	555940	27.936	14.820	15.245	15.356
26	555380	554686	557721	557487	556903	557974	558666	559651	560399	558280	559956	561083					
27																	
28																	
29																	
30																	
31																	
MONTHLY	552737	553483	552999	554067	553711	553977	553886	554558	555157	555156	556203	556061	554690	27.928	14.835	15.221	15.360
AVG	556538	555877	556518	555431	555904	555223	555716	554681	554819	554352	553717	553644	554690	27.928	14.835	15.221	15.360

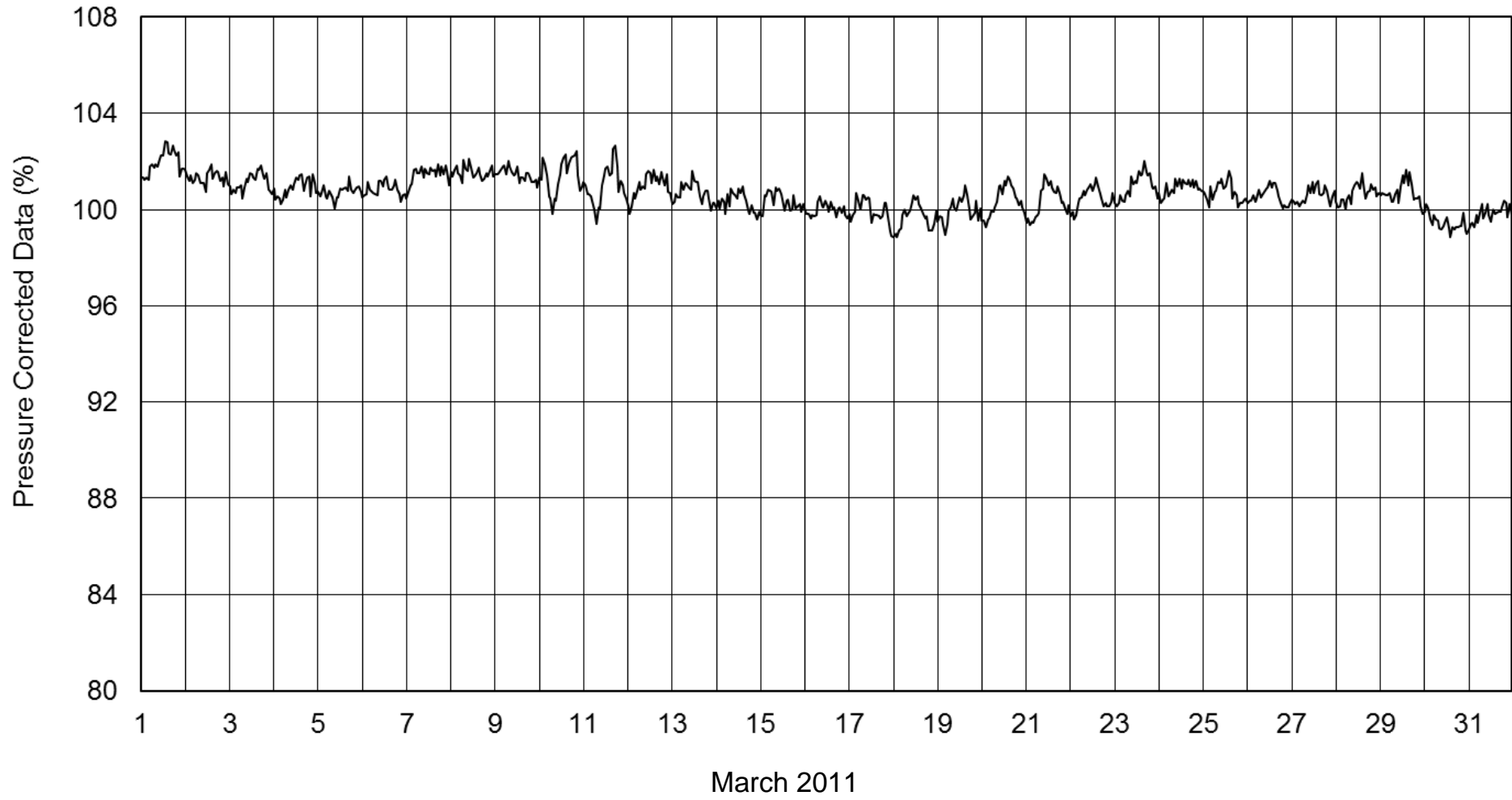
SVIRCO OBSERVATORY - Pressure corrected data



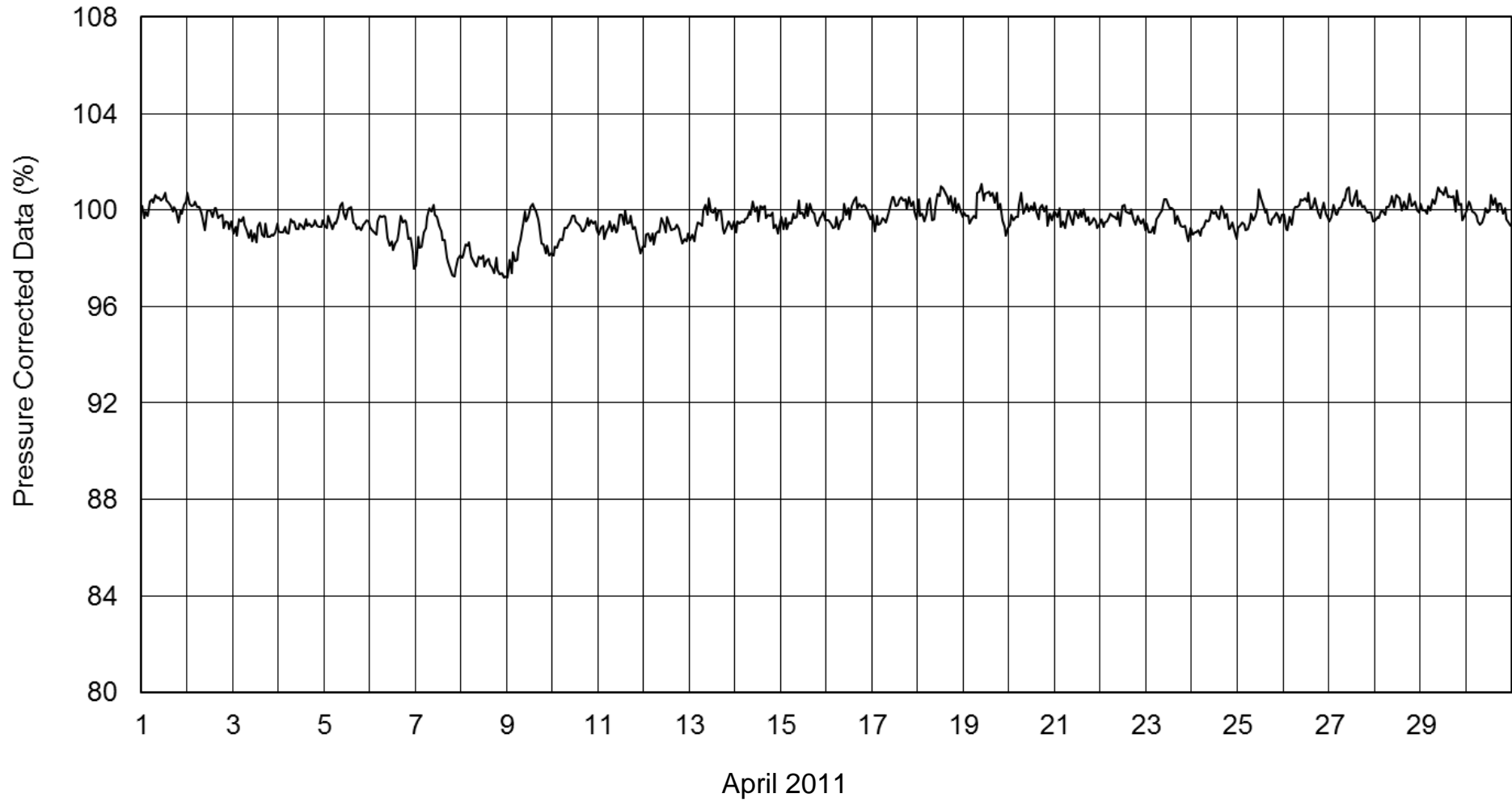
SVIRCO OBSERVATORY - Pressure corrected data



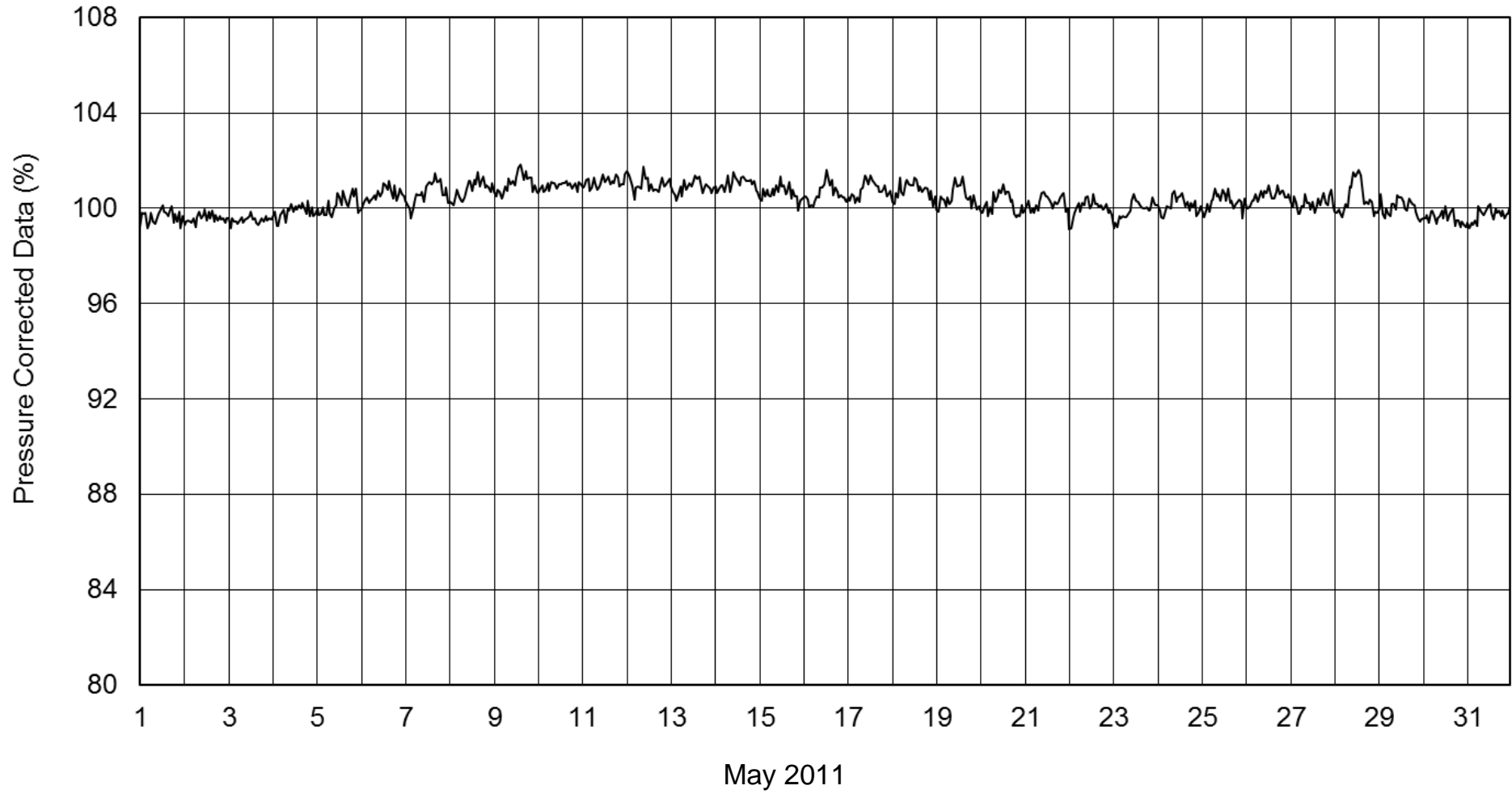
SVIRCO OBSERVATORY - Pressure corrected data



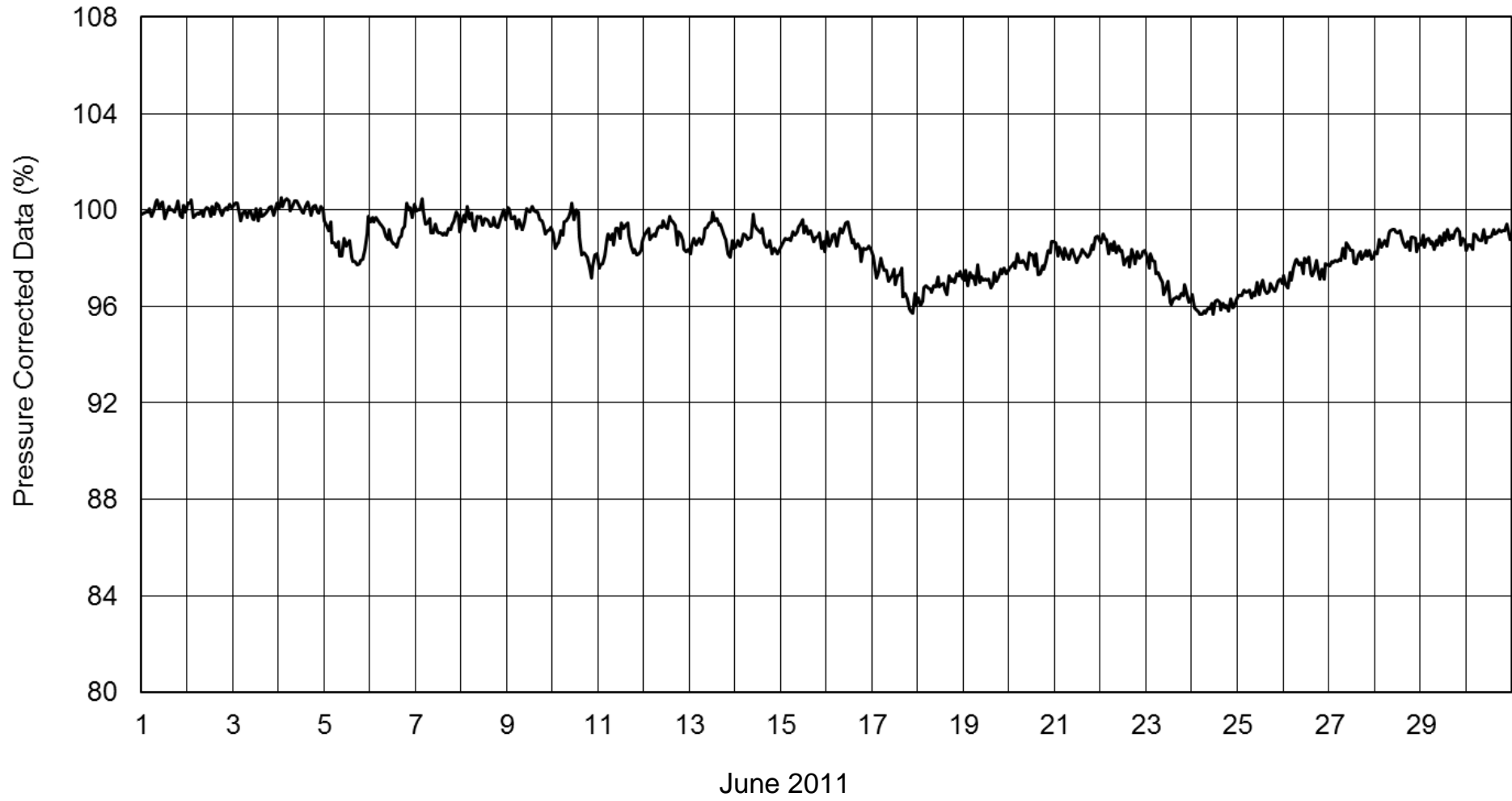
SVIRCO OBSERVATORY - Pressure corrected data



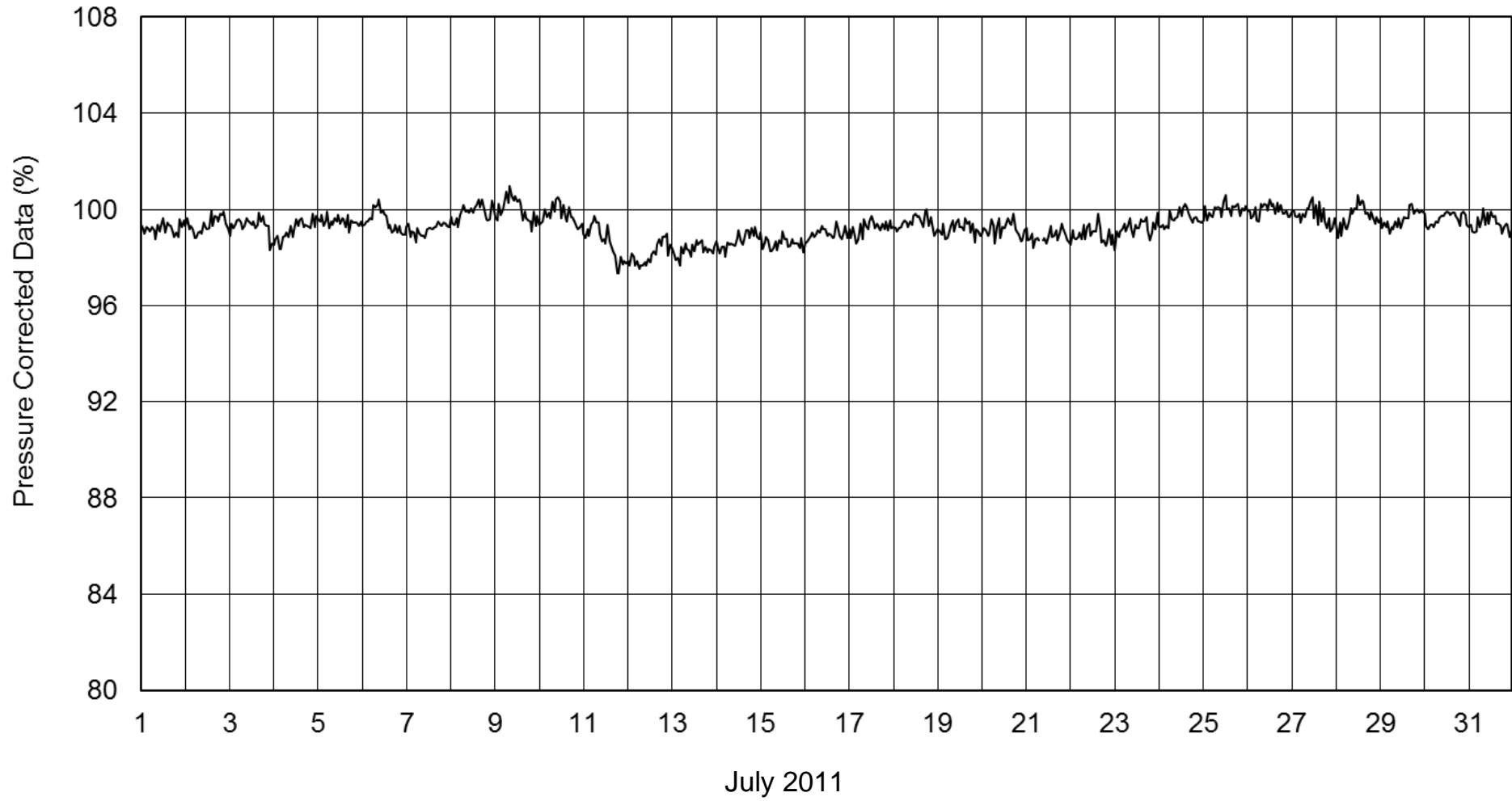
SVIRCO OBSERVATORY - Pressure corrected data



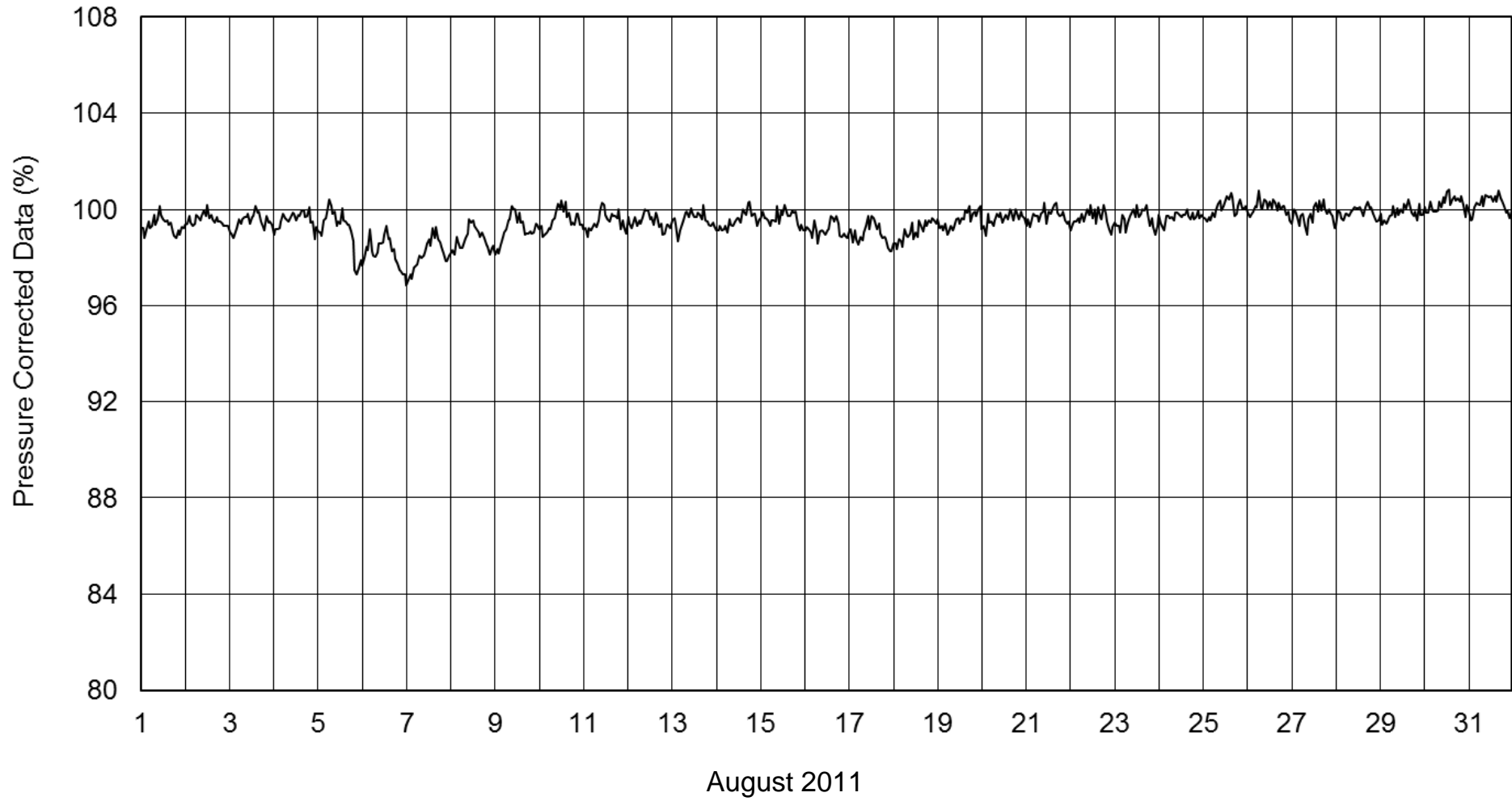
SVIRCO OBSERVATORY - Pressure corrected data



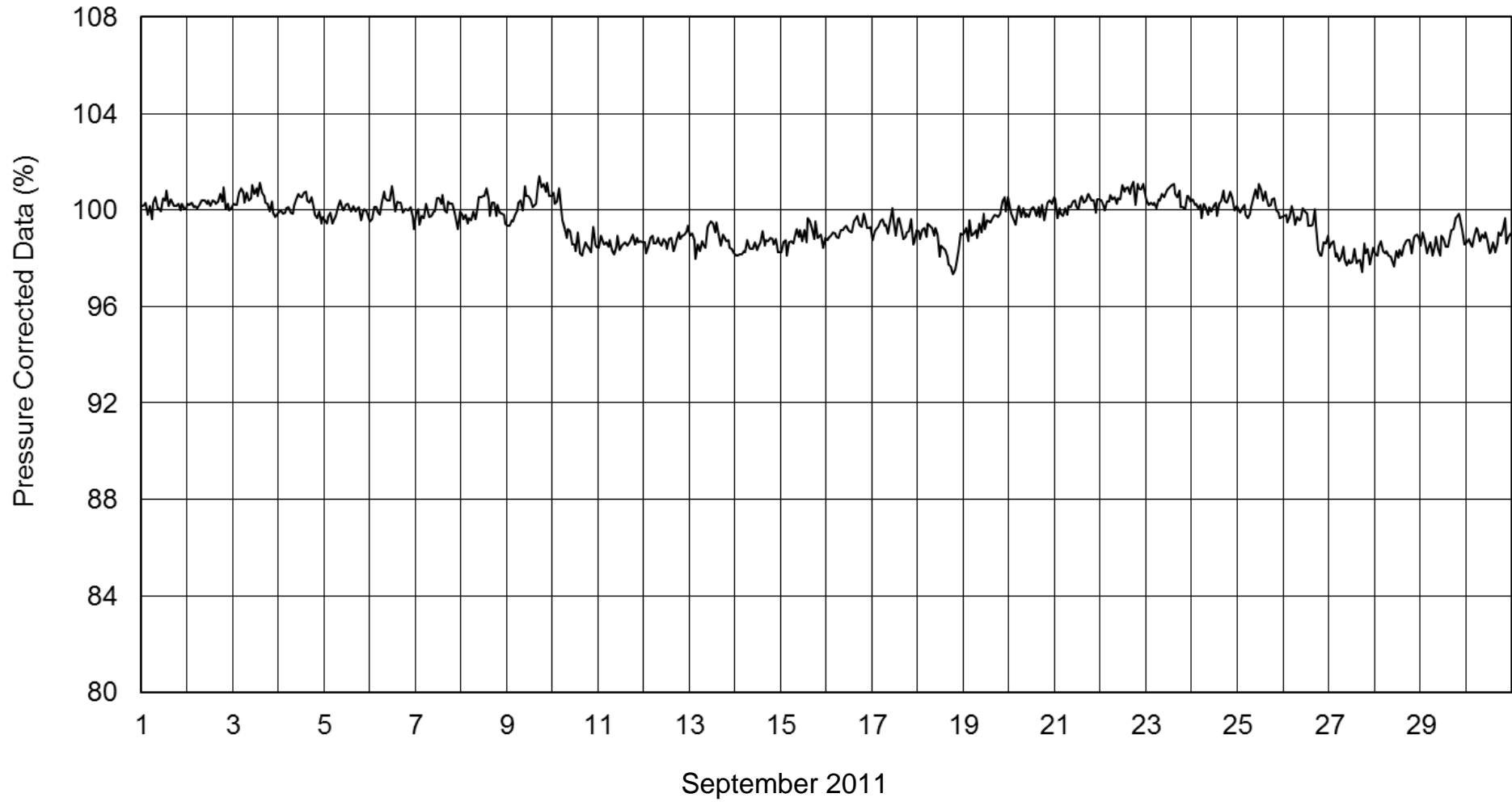
SVIRCO OBSERVATORY - Pressure corrected data



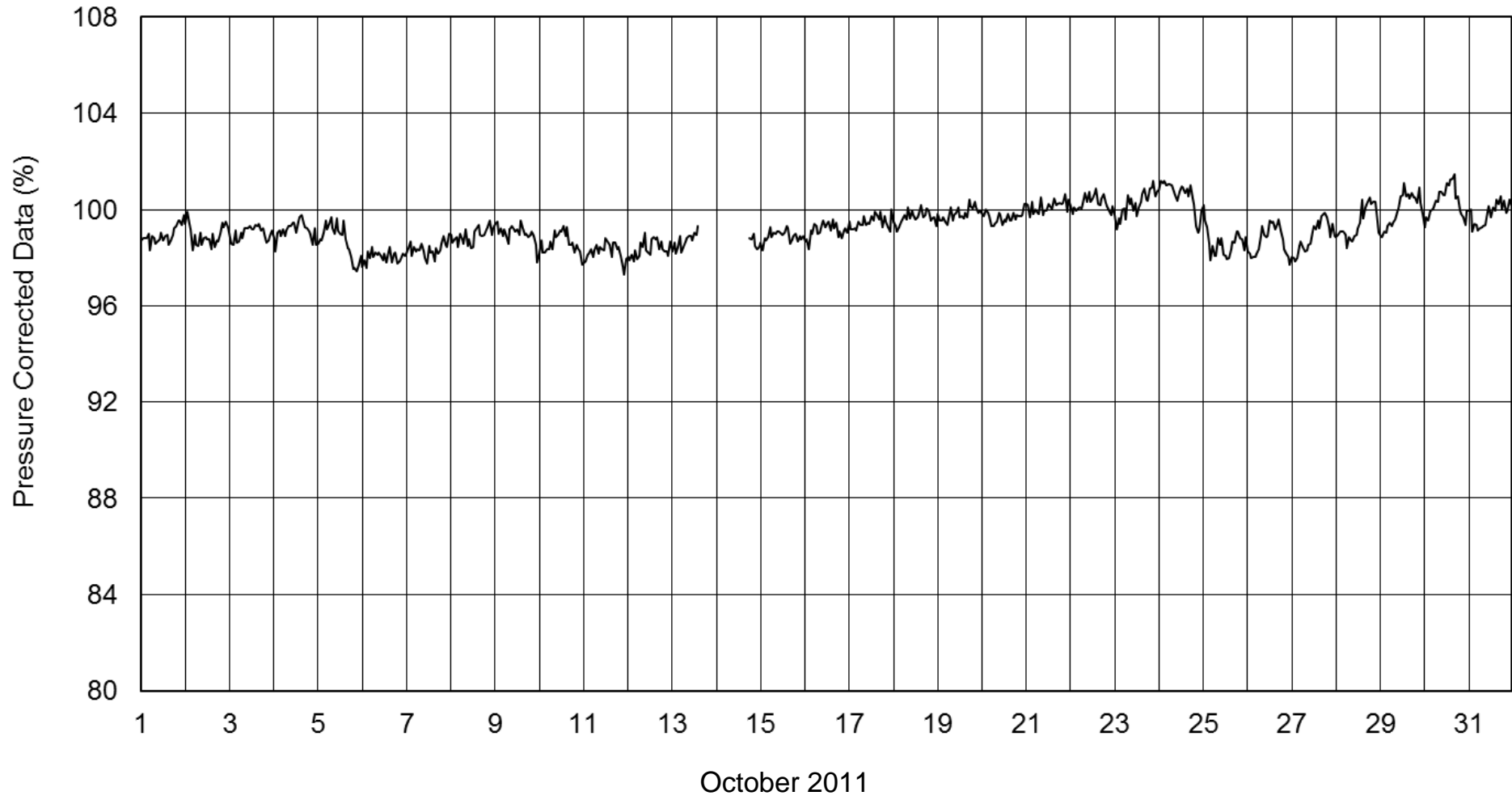
SVIRCO OBSERVATORY - Pressure corrected data



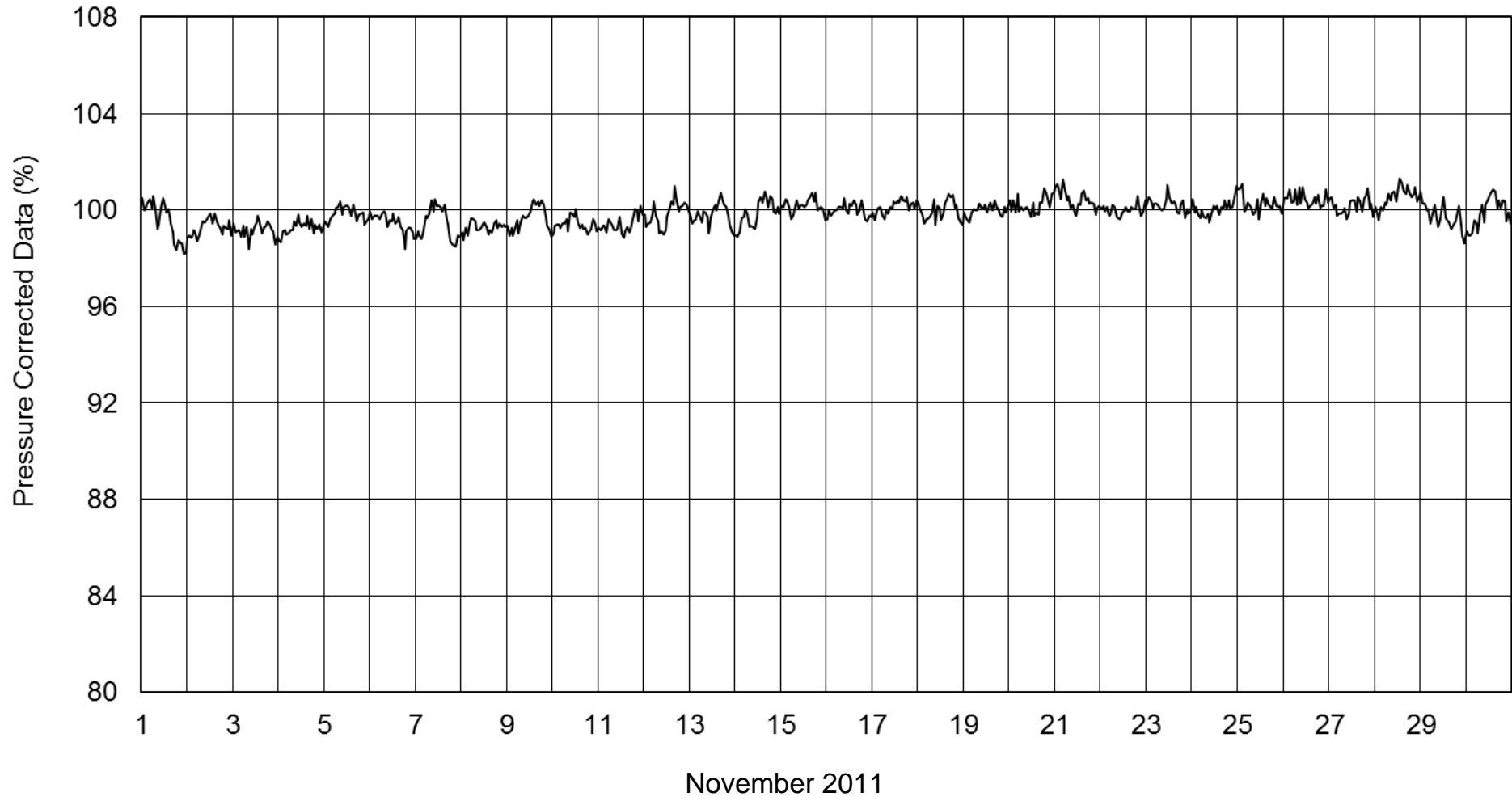
SVIRCO OBSERVATORY - Pressure corrected data



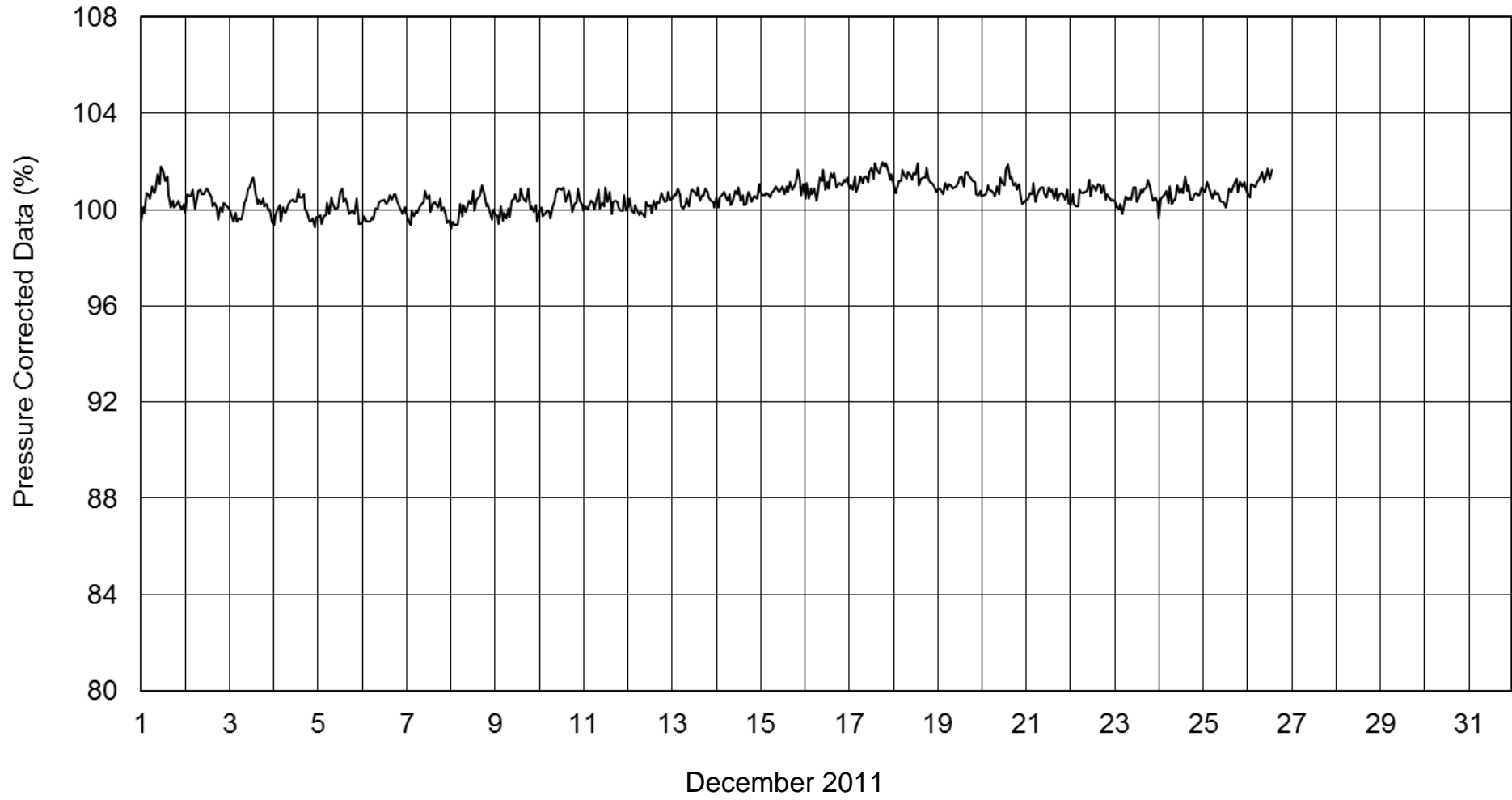
SVIRCO OBSERVATORY - Pressure corrected data



SVIRCO OBSERVATORY - Pressure corrected data



SVIRCO OBSERVATORY - Pressure corrected data



S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - January 2011

UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY AVG
	13	14	15	16	17	18	19	20	21	22	23	24	
1	1018.40	1018.38	1018.10	1017.75	1017.44	1017.45	1017.52	1017.73	1017.86	1017.80	1017.39	1016.69	
	1015.99	1015.53	1015.41	1015.18	1014.87	1014.68	1014.46	1014.28	1014.27	1014.12	1013.78	1013.27	1016.18
2	1012.82	1012.67	1012.32	1011.92	1011.60	1011.43	1011.48	1011.56	1011.69	1011.94	1011.71	1011.01	
	1010.39	1010.24	1010.23	1010.32	1010.50	1010.79	1010.91	1010.98	1011.18	1011.35	1011.58	1011.41	1011.33
3	1011.29	1011.42	1011.27	1011.33	1011.52	1011.93	1012.19	1012.54	1012.96	1013.38	1013.36	1013.12	
	1012.82	1012.95	1013.21	1013.56	1014.00	1014.72	1015.26	1015.67	1016.18	1016.65	1017.02	1017.05	1013.56
4	1017.00	1017.04	1016.84	1016.80	1016.80	1016.89	1016.86	1017.23	1017.42	1017.68	1017.41	1016.79	
	1016.62	1016.54	1016.41	1016.54	1016.59	1016.99	1017.27	1017.37	1017.38	1017.53	1017.61	1017.32	1017.04
5	1017.04	1016.97	1016.60	1016.26	1016.23	1016.37	1016.43	1016.81	1017.27	1017.57	1017.47	1016.89	
	1016.12	1015.79	1016.07	1016.44	1016.83	1017.37	1017.83	1017.97	1018.06	1018.36	1018.65	1018.71	1017.09
6	1018.56	1018.67	1018.59	1018.43	1018.30	1018.53	1019.10	1019.76	1019.76	1020.46	1020.17	1019.81	
	1019.54	1019.60	1020.19	1020.48	1020.54	1020.54	1021.06	1021.34	1021.58	1021.74	1021.98	1022.13	1020.05
7	1022.26	1022.69	1022.67	1022.65	1022.71	1022.84	1023.39	1023.92	1024.30	1024.56	1024.46	1024.23	
	1023.93	1023.95	1024.10	1024.17	1024.40	1024.52	1024.63	1024.56	1024.42	1024.53	1024.51	1024.35	1023.86
8	1023.89	1023.73	1023.28	1022.99	1022.95	1022.82	1022.96	1023.06	1023.24	1023.21	1022.81	1022.16	
	1021.69	1021.74	1021.72	1021.99	1021.57	1021.74	1021.71	1021.82	1022.11	1022.01	1022.04	1021.79	1022.46
9	1021.87	1022.02	1021.96	1021.53	1021.54	1021.78	1022.10	1022.43	1022.50	1022.47	1022.10	1021.34	
	1020.59	1020.46	1020.33	1020.12	1020.17	1020.59	1020.59	1020.39	1019.97	1019.92	1019.67	1019.25	1021.07
10	1019.07	1019.09	1018.88	1018.48	1018.08	1017.91	1018.02	1017.99	1017.65	1017.63	1017.06	1016.57	
	1016.27	1016.11	1016.02	1016.08	1016.03	1016.34	1016.54	1016.54	1016.73	1016.81	1016.49	1016.20	1017.19
11	1015.77	1015.89	1015.58	1015.22	1014.81	1014.63	1014.63	1014.91	1015.12	1015.35	1014.91	1014.23	
	1013.48	1013.06	1013.22	1013.16	1013.23	1013.33	1013.41	1013.20	1012.98	1012.91	1012.49	1011.86	1014.06
12	1011.62	1011.74	1011.53	1011.47	1011.78	1012.22	1013.28	1014.46	1015.28	1015.76	1016.06	1015.88	
	1015.63	1015.80	1016.27	1016.83	1017.59	1018.00	1018.41	1018.71	1018.96	1019.10	1019.16	1019.21	1015.61
13	1019.27	1019.02	1018.74	1018.53	1018.77	1018.99	1019.15	1019.51	1019.43	1019.38	1019.03	1018.53	
	1017.78	1017.43	1017.59	1017.74	1018.17	1018.35	1018.32	1018.53	1018.79	1018.85	1018.90	1018.84	1018.65
14	1018.67	1018.75	1018.99	1019.02	1019.29	1019.70	1020.42	1020.95	1021.19	1021.44	1021.38	1021.18	
	1020.76	1020.78	1020.69	1020.97	1021.48	1021.86	1021.99	1022.15	1022.35	1022.43	1022.44	1022.35	1020.89
15	1022.18	1022.11	1021.91	1021.41	1020.75	1020.86	1021.70	1023.11	1023.37	1023.32	1023.27	1022.88	
	1022.13	1022.16	1022.10	1022.22	1022.61	1023.33	1023.87	1024.49	1025.01	1025.31	1025.57	1025.78	1022.98
16	1025.88	1026.37	1026.29	1026.10	1026.12	1026.64	1027.10	1027.81	1028.39	1028.62	1028.45	1027.94	
	1027.38	1027.02	1026.81	1026.85	1027.24	1027.47	1027.57	1027.45	1027.55	1027.56	1027.77	1027.81	1027.26
17	1027.53	1027.49	1027.56	1027.41	1027.12	1026.99	1027.25	1027.40	1027.45	1027.25	1027.26	1026.96	
	1026.50	1026.27	1025.77	1025.46	1025.33	1025.67	1025.89	1025.83	1025.64	1025.48	1025.47	1025.44	1026.52
18	1025.20	1024.99	1024.63	1024.25	1024.16	1024.27	1024.54	1024.81	1025.04	1025.00	1024.45	1023.76	
	1023.15	1022.72	1022.46	1022.55	1022.77	1022.98	1022.99	1022.99	1023.16	1023.31	1023.37	1023.06	1023.78
19	1022.82	1022.78	1022.39	1021.98	1021.83	1021.70	1021.50	1021.35	1021.42	1021.40	1021.00	1020.05	
	1019.14	1018.60	1018.37	1018.19	1018.05	1017.88	1017.61	1017.31	1016.98	1016.64	1016.24	1015.64	1019.62
20	1015.00	1014.74	1014.18	1013.36	1012.83	1012.94	1013.02	1012.76	1012.57	1012.60	1012.10	1011.43	
	1010.75	1010.39	1010.40	1010.30	1010.28	1010.25	1010.44	1010.20	1010.09	1010.33	1010.46	1010.35	1011.74
21	1010.19	1010.09	1010.11	1009.92	1009.84	1009.78	1009.91	1010.31	1010.62	1010.93	1010.83	1010.33	
	1010.11	1010.04	1010.15	1010.23	1010.38	1010.40	1010.79	1010.89	1010.96	1011.33	1011.14	1011.03	1010.43
22	1010.48	1009.81	1009.11	1008.69	1008.27	1008.04	1007.73	1007.82	1007.96	1007.88	1007.64	1007.14	
	1006.91	1006.95	1006.83	1006.94	1007.20	1007.83	1008.84	1009.36	1009.71	1010.03	1010.45	1010.53	1008.42
23	1010.32	1010.46	1010.62	1010.78	1010.94	1011.38	1011.79	1012.22	1012.74	1013.02	1013.13	1012.97	
	1013.04	1013.22	1013.60	1013.77	1014.00	1014.40	1014.83	1015.26	1015.57	1015.86	1015.94	1015.79	1013.15
24	1015.66	1015.81	1015.79	1015.64	1015.68	1016.00	1016.38	1016.63	1016.70	1016.74	1016.54	1016.19	
	1015.56	1015.36	1015.69	1015.85	1015.92	1016.20	1016.63	1016.89	1016.99	1017.18	1017.25	1017.33	1016.28
25	1017.16	1017.15	1017.18	1017.15	1017.14	1017.18	1017.32	1017.49	1017.58	1017.40	1016.88	1016.08	
	1015.15	1014.64	1014.33	1014.16	1014.03	1013.92	1013.97	1013.99	1013.90	1013.64	1013.44	1013.11	1015.58
26	1012.63	1012.22	1011.57	1011.22	1010.77	1010.67	1010.54	1010.61	1010.51	1010.52	1010.28	1009.64	
	1008.95	1008.47	1008.44	1008.42	1008.34	1008.52	1009.00	1009.40	1009.66	1009.71	1009.89	1009.79	1009.99
27	1009.35	1009.13	1008.77	1008.45	1008.27	1008.22	1008.15	1008.11	1007.98	1007.87	1007.45	1006.57	
	1005.78	1004.90	1004.39	1004.19	1003.98	1003.87	1004.03	1004.47	1004.67	1004.61	1004.53	1004.31	1006.34
28	1004.00	1004.10	1004.23	1004.20	1004.23	1004.48	1005.07	1005.38	1005.85	1006.43	1006.86	1007.02	
	1007.12	1007.39	1007.65	1007.99	1008.71	1009.31	1009.82	1010.24	1010.73	1011.23	1011.64	1011.80	1007.31
29	1011.77	1011.85	1011.78	1011.72	1011.91	1012.14	1012.51	1013.08	1013.47	1013.72	1013.46	1012.65	
	1011.77	1011.32	1011.11	1010.77	1010.69	1011.10	1011.24	1011.46	1011.24	1010.78	1010.24	1010.11	1011.75
30	1009.99	1009.34	1008.90	1008.59	1008.46	1008.75	1008.95	1009.36	1009.80	1009.96	1009.81	1009.66	
	1009.36	1009.40	1009.52	1009.82	1010.27	1010.73	1011.21	1011.81	1012.13	1012.52	1012.66	1012.78	1010.16
31	1012.94	1013.19	1013.14	1013.19	1013.26	1013.46	1013.76	1014.24	1014.76	1015.26	1015.33	1015.07	
	1014.61	1014.29	1014.16	1014.41	1014.66	1014.95	1015.44	1015.80	1016.05	1016.02	1016.15	1016.01	1014.59
MONTHLY AVG	1016.47	1016.44	1016.24	1016.02	1015.92	1016.03	1016.28	1016.62	1016.85	1016.99	1016.78	1016.28	
	1015.77	1015.58	1015.59	1015.67	1015.82	1016.09	1016.34	1016.49	1016.61	1016.71	1016.73	1016.59	1016.29

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - February 2011

UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY AVG
	13	14	15	16	17	18	19	20	21	22	23	24	
1	1015.80	1015.62	1015.46	1015.32	1015.32	1015.00	1014.95	1014.97	1015.02	1014.97	1014.36	1013.67	
	1012.77	1012.29	1011.88	1012.04	1012.49	1012.83	1013.01	1013.34	1013.46	1013.35	1013.48	1013.64	1013.96
2	1013.78	1013.89	1013.69	1013.62	1013.80	1014.03	1014.42	1014.81	1015.02	1014.97	1014.57	1013.55	
	1012.85	1012.32	1012.08	1012.13	1012.64	1013.17	1013.68	1014.24	1014.71	1015.10	1015.43	1015.58	1013.92
3	1015.59	1015.61	1015.42	1015.12	1014.92	1015.08	1015.50	1015.99	1016.23	1016.69	1016.81	1016.15	
	1015.54	1015.11	1015.03	1015.17	1015.49	1016.27	1017.15	1017.69	1017.98	1018.41	1018.87	1019.44	1016.30
4	1019.73	1019.97	1020.01	1020.28	1020.41	1020.92	1021.87	1022.84	1023.41	1024.14	1024.74	1024.27	
	1023.55	1023.33	1023.59	1024.07	1024.64	1025.08	1025.61	1025.68	1025.91	1025.80	1025.82	1026.10	1023.41
5	1026.18	1026.07	1026.27	1026.33	1026.57	1026.85	1027.27	1027.57	1027.78	1028.19	1027.88	1027.13	
	1026.67	1026.10	1025.91	1025.99	1026.26	1026.50	1026.65	1026.73	1026.80	1026.81	1026.82	1026.94	1026.76
6	1026.73	1026.66	1026.26	1026.11	1025.99	1025.99	1026.26	1026.51	1026.71	1026.67	1026.57	1025.80	
	1025.08	1024.63	1024.58	1024.51	1024.69	1025.03	1025.09	1025.17	1025.27	1025.25	1025.27	1025.41	1025.68
7	1025.40	1025.42	1025.25	1025.21	1025.11	1025.32	1025.57	1025.98	1026.31	1026.51	1026.15	1025.19	
	1024.17	1023.51	1023.25	1023.37	1023.53	1023.81	1023.82	1023.70	1023.52	1023.21	1022.77	1022.59	1024.53
8	1022.45	1022.26	1021.80	1021.37	1021.12	1020.99	1021.25	1021.75	1021.88	1021.67	1021.27	1020.47	
	1019.69	1018.93	1018.58	1018.32	1018.20	1018.45	1018.55	1018.39	1018.43	1018.38	1018.45	1018.51	1020.05
9	1018.42	1018.43	1018.27	1018.48	1018.76	1018.88	1019.39	1019.84	1019.98	1020.02	1019.97	1019.37	
	1018.96	1018.70	1018.62	1018.57	1018.69	1019.03	1019.15	1019.38	1019.80	1020.12	1020.56	1020.86	1019.26
10	1021.11	1021.20	1021.21	1021.43	1021.64	1021.80	1022.18	1022.67	1022.88	1023.11	1023.07	1022.45	
	1021.83	1021.24	1021.17	1021.19	1021.38	1021.56	1021.68	1021.88	1022.06	1022.26	1022.29	1022.44	1021.91
11	1022.17	1022.06	1022.02	1021.88	1021.86	1022.00	1022.49	1022.78	1023.05	1023.34	1023.41	1022.74	
	1021.93	1021.46	1021.14	1020.87	1020.79	1020.82	1020.53	1020.35	1020.47	1020.46	1020.45	1020.38	1021.64
12	1019.94	1019.72	1019.14	1018.88	1018.77	1018.62	1018.83	1019.11	1019.22	1019.14	1018.90	1018.24	
	1017.70	1017.05	1016.85	1017.04	1017.15	1017.64	1017.79	1017.89	1018.08	1018.11	1017.92	1017.82	1018.31
13	1017.74	1017.65	1017.21	1016.86	1016.72	1016.66	1016.55	1016.90	1016.93	1016.76	1016.37	1015.65	
	1014.79	1014.09	1013.82	1013.68	1013.60	1013.78	1014.04	1014.10	1014.02	1014.05	1014.06	1014.03	1015.42
14	1013.65	1013.35	1012.67	1012.21	1012.07	1011.67	1011.44	1011.45	1011.63	1011.66	1011.25	1010.41	
	1009.70	1009.19	1009.03	1008.85	1008.88	1009.31	1009.26	1009.37	1009.63	1009.77	1009.76	1009.65	1010.66
15	1009.23	1008.86	1008.31	1008.08	1008.05	1008.01	1008.16	1008.29	1008.12	1007.58	1007.11	1006.60	
	1006.42	1006.41	1006.23	1005.38	1005.67	1006.32	1006.05	1005.81	1005.80	1005.48	1005.00	1004.53	1006.90
16	1004.14	1003.94	1003.15	1002.94	1002.54	1001.90	1001.42	1001.38	1000.78	1000.09	999.52	998.09	
	997.01	996.89	997.39	997.45	997.45	998.28	998.92	999.17	999.81	1000.32	1000.99	1001.63	1000.22
17	1001.79	1002.14	1002.05	1002.21	1002.46	1002.59	1002.80	1003.09	1003.02	1003.16	1002.96	1003.01	
	1002.85	1002.55	1002.33	1002.38	1002.24	1002.30	1002.01	1002.03	1002.06	1001.83	1001.93	1001.81	1002.40
18	1001.66	1001.23	1000.69	1000.69	1000.28	999.84	999.86	999.95	999.89	999.75	999.44	998.73	
	998.05	997.83	997.95	998.30	998.97	999.95	1000.63	1001.14	1001.68	1002.30	1002.86	1003.22	1000.20
19	1003.51	1003.66	1003.75	1004.02	1004.48	1005.01	1005.80	1006.44	1007.10	1007.59	1007.74	1007.36	
	1006.98	1006.93	1007.10	1007.51	1008.12	1008.64	1009.14	1010.03	1010.60	1010.92	1011.10	1011.01	1007.27
20	1011.22	1011.27	1010.92	1010.91	1010.71	1010.76	1011.19	1011.56	1011.44	1011.52	1011.21	1010.28	
	1009.49	1008.77	1008.63	1008.53	1008.26	1008.13	1008.34	1008.23	1007.67	1006.91	1006.32	1005.78	1009.50
21	1005.11	1004.92	1005.00	1005.10	1005.25	1005.19	1005.65	1006.14	1006.29	1006.52	1006.40	1006.29	
	1005.78	1005.34	1005.31	1005.24	1005.69	1006.79	1007.45	1007.47	1007.39	1007.34	1007.71	1007.83	1006.13
22	1007.98	1007.91	1007.47	1007.00	1006.87	1006.73	1006.73	1006.57	1006.47	1006.53	1006.45	1005.75	
	1005.15	1004.79	1004.59	1004.65	1004.74	1005.19	1005.52	1005.73	1006.13	1006.27	1006.45	1006.62	1006.18
23	1006.80	1006.63	1006.66	1006.87	1006.96	1007.33	1008.05	1008.81	1009.34	1009.71	1009.76	1009.52	
	1009.30	1009.43	1009.98	1010.65	1011.52	1012.45	1013.31	1013.85	1014.29	1014.51	1014.69	1014.93	1010.22
24	1015.11	1015.16	1015.24	1015.34	1015.62	1016.01	1016.51	1016.99	1016.89	1016.84	1016.74	1016.11	
	1015.53	1015.41	1015.36	1015.57	1016.09	1016.69	1017.16	1017.42	1017.64	1017.84	1017.66	1017.66	1016.36
25	1017.41	1017.16	1016.96	1016.91	1016.78	1016.81	1017.36	1017.75	1017.50	1017.30	1017.10	1016.84	
	1016.57	1016.15	1016.10	1016.03	1016.33	1017.14	1017.79	1017.63	1017.39	1017.25	1016.97	1016.80	1017.00
26	1016.37	1015.82	1015.55	1015.39	1015.30	1015.46	1015.73	1015.82	1015.59	1015.40	1015.35	1014.76	
	1014.07	1013.77	1013.58	1014.07	1014.37	1014.63	1014.70	1014.84	1014.81	1014.69	1014.68	1014.40	1014.96
27	1014.49	1014.29	1013.51	1013.07	1012.73	1012.69	1012.85	1012.87	1012.41	1012.10	1011.83	1011.26	
	1010.68	1010.49	1010.23	1010.15	1009.97	1009.72	1010.59	1011.44	1011.04	1010.69	1010.47	1010.62	1011.68
28	1010.34	1010.00	1010.04	1010.31	1010.52	1010.67	1011.09	1011.62	1011.94	1012.41	1012.61	1012.59	
	1012.09	1011.83	1011.91	1012.03	1012.42	1012.95	1013.17	1013.29	1013.40	1013.45	1013.17	1012.81	1011.94
MONTHLY AVG	1014.42	1014.32	1014.07	1014.00	1013.98	1014.03	1014.33	1014.66	1014.74	1014.80	1014.63	1014.01	
	1013.40	1013.02	1012.94	1012.99	1013.22	1013.66	1013.96	1014.14	1014.28	1014.32	1014.35	1014.39	1014.03

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 Pressure in hectoPascal - March 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1012.50	1011.74	1010.73	1009.87	1009.54	1009.19	1008.99	1008.64	1008.34	1008.33	1008.13	1007.31	
	1006.89	1006.34	1006.39	1006.54	1006.74	1007.14	1007.67	1007.89	1008.60	1009.05	1009.24	1009.48	1008.55
2	1009.54	1009.50	1009.38	1009.37	1010.06	1010.92	1011.25	1011.54	1012.15	1012.16	1012.13	1012.41	
	1012.35	1012.76	1012.87	1012.81	1013.15	1013.41	1013.73	1014.07	1014.14	1014.05	1013.78	1014.00	1012.15
3	1014.01	1014.27	1014.03	1014.16	1014.37	1014.84	1015.41	1016.06	1016.79	1017.28	1017.87	1018.33	
	1018.11	1018.36	1018.70	1018.99	1019.72	1020.39	1021.07	1021.51	1021.94	1022.05	1022.02	1022.04	1018.01
4	1022.04	1021.68	1021.57	1021.40	1021.47	1021.35	1021.25	1021.31	1021.61	1021.53	1021.18	1020.68	
	1020.32	1019.98	1019.15	1018.56	1018.06	1017.93	1017.83	1017.93	1018.14	1018.23	1018.00	1017.61	1019.95
5	1017.14	1016.39	1015.65	1015.11	1014.58	1014.18	1014.03	1014.10	1013.92	1013.92	1013.82	1013.51	
	1013.21	1012.89	1012.70	1012.50	1012.63	1013.03	1013.29	1013.35	1013.45	1013.61	1013.73	1013.72	1013.94
6	1013.62	1013.27	1013.13	1013.00	1013.02	1013.06	1013.30	1013.77	1014.08	1014.20	1014.19	1013.88	
	1013.41	1013.25	1013.28	1013.41	1013.49	1014.12	1014.49	1014.99	1015.37	1015.68	1016.21	1016.58	1014.03
7	1017.19	1017.31	1017.71	1018.24	1019.01	1019.68	1020.72	1021.73	1022.40	1022.69	1022.81	1022.59	
	1022.53	1022.52	1022.68	1023.02	1024.00	1024.96	1025.83	1026.68	1027.43	1028.02	1028.37	1028.74	1022.79
8	1029.27	1029.55	1029.56	1029.61	1029.80	1029.90	1030.22	1030.36	1030.44	1030.35	1030.09	1029.62	
	1028.85	1028.06	1027.60	1027.37	1027.35	1027.50	1027.49	1027.29	1027.16	1026.94	1026.81	1026.92	1028.67
9	1026.96	1026.77	1026.59	1026.47	1026.30	1026.04	1025.86	1025.47	1025.17	1024.91	1024.65	1024.18	
	1023.53	1023.11	1022.77	1022.54	1022.38	1022.52	1022.71	1022.98	1023.40	1023.48	1023.67	1023.80	1024.43
10	1023.99	1023.64	1023.21	1023.00	1023.18	1023.63	1023.93	1024.22	1024.55	1024.57	1024.19	1023.75	
	1023.17	1022.48	1022.18	1022.13	1022.23	1022.56	1022.99	1023.20	1023.42	1023.51	1023.58	1023.48	1023.37
11	1023.50	1023.41	1023.09	1023.04	1023.10	1023.11	1023.38	1023.91	1024.38	1024.49	1024.30	1023.72	
	1022.87	1022.36	1021.87	1021.68	1021.70	1021.97	1022.28	1022.42	1022.54	1022.75	1022.79	1022.76	1022.98
12	1022.65	1022.48	1022.30	1022.02	1021.92	1021.96	1021.91	1021.70	1021.48	1021.11	1021.33	1020.84	
	1020.06	1019.36	1018.49	1018.03	1018.06	1018.12	1017.87	1017.50	1017.19	1016.65	1016.08	1015.55	1019.78
13	1015.09	1014.50	1013.62	1013.15	1012.87	1012.88	1012.69	1012.86	1012.65	1012.07	1011.48	1011.01	
	1010.39	1010.08	1010.56	1011.01	1011.44	1012.15	1012.95	1013.70	1014.42	1014.88	1015.14	1015.50	1012.79
14	1015.92	1015.94	1016.12	1016.53	1016.82	1017.17	1017.47	1018.02	1018.44	1018.69	1018.85	1018.71	
	1017.99	1017.45	1017.14	1016.73	1016.50	1016.59	1016.77	1016.71	1016.63	1016.83	1016.67	1016.58	1017.14
15	1016.17	1015.43	1015.27	1015.45	1015.54	1015.64	1015.81	1015.75	1015.46	1014.95	1014.12	1013.88	
	1013.49	1013.52	1012.73	1011.68	1010.70	1010.75	1010.75	1010.08	1009.21	1009.03	1008.21	1007.89	1012.98
16	1008.62	1007.78	1007.37	1006.52	1005.60	1005.56	1006.60	1006.94	1007.07	1006.79	1006.41	1005.84	
	1005.25	1004.32	1003.27	1002.93	1002.16	1001.87	1001.97	1002.25	1002.82	1003.48	1004.32	1004.50	1005.01
17	1005.08	1005.53	1005.81	1006.34	1006.69	1007.00	1007.49	1007.85	1008.13	1008.05	1008.13	1008.21	
	1007.61	1007.22	1006.71	1006.46	1006.73	1006.93	1007.20	1007.50	1007.93	1008.01	1007.95	1007.90	1007.18
18	1007.89	1007.80	1007.65	1007.73	1008.18	1008.86	1009.46	1009.96	1010.53	1010.81	1010.85	1010.77	
	1010.38	1010.22	1010.37	1010.57	1010.82	1011.88	1012.76	1013.64	1014.12	1014.49	1014.37	1014.94	1010.79
19	1014.78	1014.91	1014.96	1014.99	1015.22	1015.45	1015.78	1016.01	1016.13	1016.06	1015.79	1015.27	
	1014.57	1014.05	1013.80	1013.52	1013.44	1013.79	1014.29	1014.83	1015.43	1015.71	1015.81	1016.04	1015.03
20	1016.25	1016.28	1016.07	1016.10	1016.35	1016.80	1017.36	1017.75	1018.05	1018.03	1017.80	1017.60	
	1017.42	1017.28	1017.10	1017.43	1017.72	1018.04	1018.90	1019.87	1020.38	1020.63	1020.84	1020.85	1017.95
21	1020.79	1020.68	1020.59	1020.67	1020.78	1020.98	1021.34	1021.63	1021.76	1021.91	1022.09	1022.08	
	1022.13	1022.27	1022.47	1022.84	1023.09	1023.60	1024.35	1024.96	1025.53	1026.18	1026.66	1027.05	1022.77
22	1027.27	1027.22	1027.00	1027.27	1027.66	1028.07	1028.72	1029.30	1029.55	1029.52	1029.12	1028.75	
	1028.16	1027.75	1027.46	1027.47	1027.59	1027.88	1028.23	1028.63	1028.98	1028.98	1028.89	1029.06	1028.27
23	1029.19	1029.35	1029.27	1029.32	1029.66	1030.14	1030.60	1031.07	1031.29	1031.29	1030.98	1030.57	
	1029.95	1029.58	1029.37	1029.27	1029.34	1029.54	1030.05	1030.39	1030.30	1030.20	1030.21	1030.22	1030.05
24	1030.28	1030.14	1030.15	1030.18	1030.30	1030.71	1031.07	1031.30	1031.48	1031.42	1031.18	1030.74	
	1030.18	1029.75	1029.42	1029.15	1029.06	1029.16	1029.46	1029.73	1029.73	1029.40	1029.12	1028.64	1030.07
25	1028.17	1027.81	1027.48	1027.13	1027.02	1026.97	1027.06	1027.13	1027.00	1026.68	1026.01	1025.14	
	1024.31	1023.64	1023.24	1022.71	1022.49	1022.39	1022.49	1022.50	1022.34	1021.99	1021.51	1021.13	1024.76
26	1020.78	1020.24	1020.02	1019.71	1019.56	1019.36	1019.06	1018.75	1018.87	1018.98	1018.53	1017.82	
	1017.03	1016.53	1016.35	1015.97	1015.91	1016.26	1016.83	1017.42	1017.67	1017.85	1017.85	1017.71	1018.13
27	1017.65	1017.31	1017.12	1017.24	1017.25	1017.39	1017.57	1017.91	1018.21	1018.19	1017.71	1017.02	
	1016.31	1015.83	1015.72	1015.63	1015.90	1016.12	1016.28	1016.31	1016.25	1016.10	1015.76	1015.43	1016.76
28	1014.74	1014.11	1013.56	1013.17	1012.60	1012.37	1012.28	1012.15	1012.09	1012.09	1011.99	1011.91	
	1011.51	1011.09	1010.79	1010.52	1010.54	1010.60	1011.00	1011.38	1011.62	1011.63	1011.62	1011.18	1011.94
29	1011.11	1010.88	1011.06	1011.33	1011.75	1012.42	1012.96	1013.40	1013.74	1013.85	1013.69	1013.53	
	1013.11	1012.88	1012.74	1012.71	1013.01	1013.53	1014.15	1014.79	1015.19	1015.43	1015.64	1015.56	1013.27
30	1015.37	1015.12	1014.89	1015.05	1015.25	1015.63	1016.00	1016.38	1016.69	1016.83	1016.51	1015.88	
	1015.15	1014.63	1014.56	1014.68	1014.80	1015.22	1016.09	1017.00	1017.22	1017.31	1017.40	1017.48	1015.88
31	1017.27	1017.09	1017.22	1017.52	1017.84	1018.14	1018.64	1019.06	1019.28	1019.22	1019.06	1018.72	
	1018.40	1018.27	1018.02	1017.96	1018.07	1018.44	1018.96	1019.62	1020.02	1020.20	1020.32	1020.16	1018.65
MONTHLY AVG	1018.22	1018.00	1017.81	1017.76	1017.85	1018.04	1018.33	1018.58	1018.76	1018.74	1018.55	1018.20	
	1017.70	1017.35	1017.11	1017.00	1017.06	1017.37	1017.76	1018.10	1018.34	1018.46	1018.47	1018.47	1018.00

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 Pressure in hectoPascal - April 2011

UT DAY	1	2	3	4	5	6	7	8	9	10	11	12	DAILY AVG
	13	14	15	16	17	18	19	20	21	22	23	24	
1	1019.93	1019.85	1019.99	1020.22	1020.51	1021.06	1021.31	1021.39	1021.59	1021.43	1020.97	1020.48	
	1019.84	1019.08	1018.93	1018.69	1018.87	1018.89	1019.08	1019.56	1019.53	1019.45	1019.53	1019.60	1019.99
2	1019.34	1019.05	1018.96	1018.88	1018.93	1019.21	1019.51	1019.62	1019.57	1019.21	1018.66	1017.98	
	1017.49	1016.91	1016.35	1016.10	1015.92	1015.84	1015.97	1016.43	1016.36	1016.19	1016.19	1016.05	1017.70
3	1015.76	1015.35	1014.91	1014.71	1014.65	1014.96	1015.06	1015.09	1015.02	1014.85	1014.36	1013.98	
	1013.56	1013.04	1012.74	1012.42	1012.65	1013.02	1013.59	1014.26	1014.41	1014.56	1014.80	1015.07	1014.28
4	1014.98	1014.83	1014.80	1014.89	1015.26	1015.73	1015.95	1015.96	1016.05	1016.25	1016.25	1016.17	
	1015.55	1014.96	1014.71	1014.64	1014.87	1015.20	1015.27	1015.50	1015.89	1016.28	1016.09	1015.76	1015.49
5	1015.54	1015.32	1015.21	1015.66	1016.24	1016.73	1016.56	1016.45	1017.25	1017.16	1016.53	1016.28	
	1015.95	1015.13	1015.17	1015.59	1016.84	1018.08	1018.92	1019.58	1020.19	1020.37	1020.86	1021.38	1017.21
6	1021.42	1021.11	1021.08	1021.39	1021.66	1022.16	1022.71	1022.90	1023.25	1023.18	1022.93	1022.46	
	1021.80	1021.12	1020.43	1020.08	1020.33	1020.78	1021.21	1021.90	1022.30	1022.64	1023.14	1022.98	1021.87
7	1022.75	1022.68	1022.52	1022.73	1023.16	1023.82	1024.05	1024.04	1023.94	1023.61	1022.96	1022.56	
	1021.99	1021.29	1020.38	1019.79	1019.24	1018.88	1019.09	1019.37	1019.26	1018.93	1018.69	1018.88	1021.44
8	1018.27	1017.69	1017.09	1016.65	1016.54	1016.84	1017.17	1017.30	1017.27	1017.06	1016.57	1015.81	
	1015.21	1014.64	1014.24	1014.12	1014.16	1014.25	1014.72	1015.14	1015.48	1016.00	1016.07	1015.94	1016.01
9	1015.59	1015.22	1014.78	1014.81	1014.95	1015.01	1015.02	1015.05	1014.84	1014.51	1014.15	1013.46	
	1013.07	1012.63	1012.22	1012.09	1012.10	1012.34	1012.86	1013.29	1013.40	1013.36	1013.46	1013.32	1013.81
10	1013.08	1012.72	1012.76	1012.76	1012.90	1013.23	1013.58	1013.98	1014.38	1014.64	1014.44	1014.02	
	1013.72	1013.12	1012.70	1012.62	1012.83	1013.12	1013.76	1014.41	1014.65	1014.90	1015.15	1015.17	1013.69
11	1015.13	1015.23	1015.30	1015.47	1015.97	1016.57	1017.04	1017.37	1017.65	1017.67	1017.23	1016.75	
	1016.63	1016.23	1015.81	1015.80	1015.79	1015.81	1016.15	1016.59	1016.67	1016.77	1016.81	1016.70	1016.38
12	1016.29	1016.11	1015.92	1015.71	1015.76	1016.19	1016.40	1016.45	1016.57	1016.45	1015.95	1015.44	
	1014.82	1014.28	1013.79	1013.26	1013.06	1012.68	1012.89	1012.52	1011.63	1011.36	1011.06	1010.42	1014.38
13	1009.01	1008.09	1007.61	1007.15	1007.14	1008.20	1008.43	1008.84	1009.13	1009.11	1008.99	1008.99	
	1009.11	1009.17	1009.50	1009.89	1010.57	1011.49	1012.64	1013.83	1014.47	1014.84	1015.08	1015.18	1010.27
14	1014.96	1014.80	1014.72	1014.72	1014.82	1015.21	1015.37	1015.26	1015.32	1015.06	1014.52	1013.86	
	1013.44	1012.58	1011.97	1011.62	1011.50	1011.26	1011.85	1012.34	1012.54	1012.45	1012.36	1011.81	1013.51
15	1011.06	1010.58	1010.39	1010.07	1009.81	1009.74	1009.77	1009.88	1010.12	1010.15	1009.99	1009.60	
	1009.33	1009.18	1009.14	1009.28	1009.73	1010.09	1010.68	1011.29	1011.39	1011.46	1011.52	1011.47	1010.24
16	1011.33	1011.13	1011.15	1011.17	1011.27	1011.77	1012.20	1012.37	1012.49	1012.42	1012.10	1011.71	
	1011.24	1010.83	1010.73	1010.81	1011.13	1011.72	1012.65	1013.41	1013.75	1013.96	1014.23	1014.26	1012.08
17	1014.59	1015.03	1014.68	1014.73	1015.08	1015.68	1016.02	1016.18	1016.33	1016.37	1016.08	1015.50	
	1014.92	1014.63	1014.52	1014.85	1015.17	1015.65	1016.48	1017.39	1017.82	1018.29	1018.48	1018.35	1015.95
18	1018.10	1018.00	1018.06	1017.96	1018.04	1018.34	1018.60	1018.52	1018.46	1018.13	1017.42	1016.69	
	1016.20	1015.79	1015.11	1014.92	1014.89	1014.79	1015.05	1015.51	1015.63	1015.79	1015.90	1015.61	1016.73
19	1015.23	1015.22	1015.20	1015.00	1015.00	1015.17	1015.35	1015.31	1015.32	1015.04	1014.59	1014.11	
	1013.62	1013.05	1012.72	1012.63	1012.78	1012.95	1013.41	1013.84	1014.23	1014.55	1014.58	1014.51	1014.31
20	1014.37	1014.50	1014.49	1014.56	1014.93	1015.57	1015.96	1016.28	1016.55	1016.67	1016.71	1016.85	
	1016.89	1016.75	1016.69	1016.81	1017.17	1017.44	1017.81	1018.33	1018.63	1018.61	1018.79	1019.00	1016.68
21	1018.74	1018.56	1018.53	1018.87	1018.86	1018.99	1019.11	1019.38	1019.64	1019.45	1019.12	1018.92	
	1018.29	1017.38	1017.01	1017.11	1016.60	1016.08	1016.25	1016.53	1016.46	1016.16	1015.64	1015.23	1017.79
22	1014.59	1014.16	1013.86	1013.56	1013.55	1013.63	1013.72	1013.57	1013.44	1013.48	1013.26	1013.08	
	1013.03	1012.73	1012.35	1012.07	1012.32	1012.51	1012.87	1013.37	1013.66	1013.76	1013.83	1013.68	1013.34
23	1013.48	1013.37	1013.30	1012.95	1013.09	1013.32	1013.62	1013.91	1014.15	1014.20	1014.23	1014.16	
	1014.31	1013.93	1013.95	1014.07	1014.10	1014.40	1014.71	1015.15	1015.28	1015.39	1015.48	1015.54	1014.17
24	1015.03	1014.63	1014.29	1014.17	1014.45	1014.79	1015.08	1015.24	1015.37	1015.41	1014.91	1014.38	
	1013.90	1013.49	1013.24	1013.11	1013.06	1012.96	1013.15	1013.45	1013.51	1013.37	1013.20	1012.85	1014.04
25	1012.49	1012.47	1012.26	1011.63	1011.68	1011.39	1011.04	1010.55	1010.46	1010.48	1010.17	1009.64	
	1008.83	1007.91	1007.73	1008.30	1008.77	1008.68	1008.39	1008.29	1008.03	1007.97	1007.85	1007.55	1009.69
26	1006.95	1006.59	1006.16	1005.76	1005.68	1006.10	1006.49	1006.40	1006.19	1006.08	1005.95	1005.70	
	1005.92	1005.87	1005.87	1005.73	1005.78	1006.04	1006.46	1006.91	1007.09	1007.26	1007.19	1006.88	1006.29
27	1006.65	1006.41	1006.34	1006.38	1006.58	1006.81	1007.02	1007.15	1007.13	1006.78	1006.49	1006.19	
	1005.88	1005.57	1005.97	1006.75	1007.01	1007.40	1007.71	1007.87	1007.76	1007.59	1007.49	1007.60	1006.86
28	1007.35	1007.07	1006.97	1006.83	1006.92	1007.19	1007.38	1007.56	1007.62	1007.37	1007.03	1006.66	
	1006.36	1006.15	1006.03	1006.20	1006.26	1006.64	1007.15	1007.67	1007.91	1007.95	1008.03	1007.93	1007.09
29	1007.62	1007.63	1007.62	1007.45	1007.73	1008.14	1008.32	1008.35	1008.25	1008.00	1007.63	1007.28	
	1007.18	1006.99	1006.67	1006.46	1006.32	1006.59	1006.55	1006.88	1007.10	1006.56	1006.30	1005.59	1007.22
30	1004.99	1004.38	1003.96	1003.98	1004.00	1003.95	1003.36	1002.57	1002.12	1001.66	1001.31	1000.94	
	1000.73	1000.39	1000.16	999.86	999.59	999.38	999.26	999.24	999.18	999.10	999.29	999.25	1001.36
MONTHLY AVG	1014.15	1013.93	1013.76	1013.69	1013.84	1014.18	1014.37	1014.43	1014.52	1014.40	1014.05	1013.65	
	1013.29	1012.83	1012.56	1012.52	1012.65	1012.83	1013.22	1013.66	1013.81	1013.86	1013.90	1013.79	1013.66

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - May 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	998.85	998.74	998.60	998.43	998.57	999.09	999.57	999.90	1000.10	1000.46	1000.43	1000.53	
	1001.01	1001.36	1001.63	1002.00	1002.43	1003.07	1003.81	1004.53	1005.28	1006.01	1006.55	1006.96	1001.58
2	1007.13	1007.12	1007.30	1007.28	1007.16	1007.17	1007.14	1006.98	1007.59	1007.73	1007.75	1007.36	
	1006.26	1004.80	1003.42	1002.46	1001.14	999.83	1000.31	1000.49	1001.16	1001.48	1000.81	999.60	1004.56
3	998.86	999.15	999.11	998.90	998.82	999.31	999.73	1000.07	1000.27	1000.35	1000.44	1000.70	
	1000.86	1000.78	1000.92	1001.22	1001.64	1002.10	1002.87	1003.83	1003.87	1004.29	1004.71	1004.84	1001.15
4	1004.76	1004.90	1005.13	1005.35	1005.80	1006.50	1006.94	1007.17	1007.63	1007.92	1007.86	1007.77	
	1007.58	1007.92	1008.46	1008.28	1008.58	1009.04	1010.01	1010.97	1011.75	1012.29	1012.83	1013.23	1008.28
5	1013.48	1013.81	1014.16	1014.56	1015.49	1016.25	1016.88	1017.43	1017.76	1017.96	1017.99	1018.01	
	1018.20	1018.09	1018.23	1018.46	1018.68	1019.17	1019.88	1020.67	1021.36	1021.65	1021.84	1022.02	1018.00
6	1022.11	1022.22	1022.36	1022.71	1022.99	1023.26	1023.44	1023.56	1023.63	1023.63	1023.62	1023.59	
	1023.70	1023.60	1023.38	1023.43	1023.31	1023.22	1023.33	1023.70	1023.93	1024.09	1024.25	1024.27	1023.39
7	1023.94	1023.82	1023.56	1023.34	1023.28	1023.36	1023.24	1023.07	1022.99	1022.79	1022.33	1022.08	
	1021.96	1021.50	1021.04	1020.81	1020.33	1020.27	1020.45	1020.90	1020.88	1020.69	1020.45	1020.09	1021.97
8	1019.55	1019.38	1019.14	1019.16	1019.24	1019.13	1018.99	1018.73	1018.43	1018.01	1017.41	1016.67	
	1016.55	1016.42	1016.26	1016.30	1016.15	1016.19	1016.20	1016.23	1016.57	1016.39	1016.42	1016.23	1017.49
9	1016.31	1016.46	1016.04	1016.23	1016.36	1016.46	1016.74	1016.93	1017.28	1017.41	1017.80	1017.90	
	1017.59	1017.35	1017.64	1018.05	1018.30	1018.95	1019.28	1019.80	1019.93	1020.12	1019.95	1019.82	1017.86
10	1019.63	1019.79	1020.18	1020.42	1020.92	1021.33	1021.42	1021.54	1021.49	1021.50	1021.31	1020.98	
	1020.35	1020.17	1020.01	1019.64	1019.28	1019.45	1020.19	1021.02	1021.55	1021.88	1022.04	1021.99	1020.75
11	1021.72	1021.68	1021.47	1021.31	1021.32	1021.30	1021.19	1020.88	1020.36	1019.74	1019.15	1018.38	
	1017.76	1017.08	1016.55	1016.13	1015.52	1015.38	1015.49	1016.05	1016.29	1016.29	1016.30	1016.31	1018.48
12	1016.01	1015.98	1015.87	1015.85	1016.09	1016.21	1016.24	1016.02	1015.88	1015.73	1015.16	1014.80	
	1014.54	1014.18	1013.88	1013.76	1013.71	1013.81	1014.31	1015.05	1015.65	1015.80	1015.74	1015.66	1015.25
13	1015.50	1015.39	1015.40	1015.60	1016.13	1016.72	1017.20	1017.48	1017.64	1017.67	1017.68	1017.76	
	1017.92	1017.79	1017.49	1017.59	1017.55	1017.79	1017.94	1018.36	1018.70	1018.81	1018.90	1018.69	1017.40
14	1018.34	1018.15	1017.95	1017.98	1018.10	1018.13	1018.15	1018.04	1017.69	1017.16	1016.85	1016.42	
	1016.28	1015.80	1015.50	1015.22	1015.00	1015.08	1015.14	1015.30	1015.60	1015.48	1015.06	1014.64	1016.54
15	1014.22	1013.73	1013.09	1012.31	1012.48	1012.49	1012.43	1012.05	1011.55	1011.36	1011.61	1011.72	
	1011.74	1010.91	1010.57	1010.65	1010.76	1010.65	1010.63	1010.52	1010.41	1010.28	1011.26	1011.24	1011.61
16	1012.10	1012.39	1012.57	1012.74	1013.14	1014.44	1014.85	1015.35	1015.78	1016.28	1016.61	1016.57	
	1016.67	1016.64	1016.92	1017.18	1017.46	1017.78	1017.96	1018.33	1018.75	1019.19	1019.35	1019.45	1016.19
17	1019.41	1019.23	1018.99	1018.86	1019.21	1019.52	1019.54	1019.24	1018.83	1018.58	1018.14	1017.83	
	1017.48	1017.20	1016.71	1016.42	1016.23	1016.20	1016.39	1016.70	1016.94	1017.11	1017.05	1016.74	1017.86
18	1016.48	1016.34	1016.29	1016.31	1016.38	1016.71	1016.80	1016.57	1016.25	1015.98	1015.72	1015.54	
	1015.52	1015.36	1015.22	1015.28	1015.27	1015.60	1016.02	1016.34	1016.62	1016.82	1016.71	1016.47	1016.11
19	1016.34	1016.34	1016.19	1016.34	1016.52	1016.96	1017.25	1017.15	1017.01	1016.86	1016.68	1016.41	
	1016.23	1016.16	1016.29	1016.34	1016.13	1016.49	1016.77	1017.49	1017.69	1017.73	1017.64	1017.51	1016.77
20	1017.63	1017.56	1017.39	1017.27	1017.51	1017.99	1018.36	1018.44	1018.31	1018.19	1017.95	1017.81	
	1017.55	1017.30	1017.14	1017.10	1017.13	1016.96	1017.09	1017.33	1017.51	1017.29	1017.24	1017.02	1017.54
21	1016.85	1016.72	1016.54	1016.47	1016.79	1016.96	1016.93	1016.86	1016.73	1016.59	1016.26	1015.54	
	1014.81	1014.59	1014.43	1014.47	1013.93	1014.17	1014.41	1014.82	1015.53	1015.46	1015.29	1015.29	1015.68
22	1015.17	1015.31	1015.41	1015.38	1015.62	1015.53	1015.60	1015.38	1015.14	1014.72	1014.39	1014.08	
	1013.58	1013.53	1014.32	1015.52	1015.24	1015.06	1015.56	1016.03	1016.45	1016.78	1016.85	1016.94	1015.32
23	1016.77	1016.68	1016.75	1016.86	1017.03	1017.20	1017.37	1017.28	1017.13	1016.88	1016.62	1016.56	
	1016.48	1016.94	1016.58	1017.06	1017.09	1017.48	1017.40	1017.44	1017.68	1017.78	1017.39	1017.26	1017.07
24	1016.88	1016.58	1016.62	1016.64	1016.84	1017.04	1017.19	1017.35	1017.14	1017.08	1016.86	1016.38	
	1016.01	1016.00	1016.13	1016.25	1016.05	1016.00	1016.20	1016.58	1016.98	1017.00	1016.84	1016.59	1016.63
25	1016.53	1016.33	1016.31	1016.35	1016.49	1016.50	1016.47	1016.66	1016.64	1016.51	1016.33	1015.92	
	1015.61	1016.05	1015.97	1015.63	1015.82	1015.65	1015.45	1016.01	1016.30	1016.31	1016.11	1015.78	1016.15
26	1015.57	1015.41	1015.40	1015.38	1015.60	1015.77	1015.84	1015.71	1015.46	1015.29	1014.90	1014.36	
	1013.84	1013.57	1013.82	1013.86	1013.91	1013.72	1014.05	1014.18	1014.42	1014.85	1014.76	1014.50	1014.76
27	1014.25	1014.21	1014.12	1014.16	1014.33	1014.45	1014.43	1014.32	1014.09	1014.06	1013.91	1013.45	
	1013.31	1013.03	1012.84	1012.66	1012.50	1012.27	1012.01	1012.14	1012.24	1012.27	1012.26	1012.19	1013.31
28	1011.89	1011.56	1011.41	1011.59	1011.92	1012.06	1012.22	1012.28	1012.19	1011.80	1011.68	1011.51	
	1011.41	1011.21	1011.03	1010.86	1010.91	1011.03	1011.25	1011.60	1012.06	1012.34	1012.45	1012.35	1011.69
29	1012.46	1012.55	1012.72	1013.09	1013.44	1013.78	1014.35	1014.53	1014.47	1014.45	1014.22	1013.88	
	1013.59	1013.47	1013.37	1013.23	1013.21	1013.47	1013.95	1014.44	1014.72	1014.82	1014.96	1015.22	1013.85
30	1015.15	1015.15	1014.99	1015.36	1015.87	1016.27	1016.71	1016.85	1016.54	1016.31	1016.24	1016.36	
	1015.93	1015.52	1015.64	1015.76	1015.46	1015.56	1015.51	1015.60	1016.13	1016.04	1016.06	1015.94	1015.87
31	1015.78	1015.38	1015.29	1015.83	1016.06	1016.01	1015.58	1015.32	1014.83	1014.83	1014.85	1014.81	
	1014.83	1014.78	1014.43	1013.96	1013.86	1013.72	1013.62	1014.00	1014.14	1013.93	1013.53	1013.28	1014.69
MONTHLY AVG	1014.83	1014.78	1014.72	1014.78	1015.02	1015.29	1015.45	1015.46	1015.38	1015.28	1015.12	1014.89	
	1014.68	1014.49	1014.38	1014.37	1014.28	1014.36	1014.63	1015.05	1015.39	1015.52	1015.54	1015.42	1014.96

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - June 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1013.14	1012.95	1012.21	1011.80	1011.60	1011.84	1011.75	1011.82	1011.93	1012.03	1012.45	1012.49	
	1012.56	1012.77	1013.09	1013.58	1013.89	1014.34	1014.64	1015.06	1015.26	1015.24	1015.22	1015.13	1013.20
2	1015.26	1015.19	1015.07	1015.16	1015.58	1015.58	1015.47	1015.60	1015.75	1015.66	1015.55	1015.20	
	1015.01	1014.93	1014.95	1014.96	1014.44	1014.76	1015.30	1015.63	1016.01	1016.08	1016.12	1015.89	1015.38
3	1015.67	1015.32	1015.30	1015.39	1015.53	1015.65	1015.87	1015.89	1015.88	1015.61	1015.21	1014.90	
	1014.78	1014.47	1015.05	1014.63	1014.63	1014.69	1014.79	1014.95	1014.98	1015.10	1014.94	1014.77	1015.17
4	1014.38	1014.23	1014.28	1014.31	1014.24	1014.31	1014.30	1014.31	1014.05	1013.91	1013.55	1013.00	
	1012.58	1012.13	1011.82	1011.35	1011.67	1011.93	1011.67	1012.10	1012.42	1012.19	1012.04	1011.56	1013.01
5	1011.38	1010.79	1010.61	1010.70	1010.90	1010.73	1010.55	1010.26	1010.01	1009.72	1010.02	1010.81	
	1010.90	1010.84	1010.67	1010.70	1010.21	1009.92	1009.58	1009.59	1009.27	1008.84	1008.56	1008.25	1010.16
6	1007.73	1007.44	1007.36	1007.29	1007.37	1007.59	1007.74	1007.59	1007.51	1007.55	1007.52	1007.19	
	1006.84	1006.15	1005.64	1005.92	1006.07	1006.76	1006.87	1006.86	1007.00	1006.58	1006.07	1005.13	1006.91
7	1004.58	1004.02	1003.68	1003.51	1003.75	1003.93	1003.93	1003.51	1003.80	1004.21	1004.03	1004.08	
	1003.95	1004.02	1004.04	1003.91	1004.04	1004.23	1004.69	1005.76	1006.32	1006.91	1006.89	1006.90	1004.53
8	1007.01	1006.91	1006.83	1006.87	1007.13	1007.45	1007.81	1008.10	1008.31	1008.62	1008.69	1008.98	
	1009.10	1008.94	1008.98	1008.96	1009.15	1009.67	1010.41	1010.96	1011.33	1011.36	1011.28	1011.05	1008.91
9	1010.86	1010.57	1010.61	1010.86	1011.30	1011.47	1011.63	1011.63	1011.48	1011.46	1011.46	1011.40	
	1011.13	1011.15	1011.25	1011.19	1011.34	1011.62	1011.80	1012.38	1012.81	1012.83	1012.87	1012.75	1011.58
10	1012.74	1012.80	1012.64	1012.65	1012.77	1013.11	1013.21	1013.00	1012.57	1012.66	1012.66	1012.43	
	1012.04	1011.80	1011.75	1011.57	1011.36	1011.34	1011.52	1011.88	1012.57	1012.96	1012.95	1012.69	1012.40
11	1012.39	1012.26	1012.16	1012.08	1012.31	1012.67	1012.98	1013.04	1013.21	1013.32	1013.23	1012.83	
	1011.98	1011.65	1011.56	1011.55	1011.69	1012.25	1012.76	1013.15	1013.39	1013.30	1013.39	1013.42	1012.61
12	1013.34	1013.20	1013.28	1013.46	1013.94	1014.18	1014.36	1014.35	1014.23	1014.24	1014.11	1013.91	
	1013.71	1013.63	1013.34	1013.27	1013.37	1013.74	1013.95	1014.57	1015.12	1014.92	1014.97	1014.74	1014.00
13	1014.50	1014.32	1014.15	1013.95	1014.17	1014.47	1014.75	1014.81	1014.62	1014.68	1014.32	1014.06	
	1013.93	1013.47	1013.27	1012.96	1012.85	1013.11	1013.40	1013.72	1014.35	1014.33	1013.96	1013.73	1013.99
14	1013.48	1013.27	1013.04	1013.22	1013.41	1013.52	1013.72	1013.65	1013.49	1013.50	1013.51	1013.10	
	1012.90	1012.89	1012.81	1013.32	1013.16	1013.58	1013.80	1014.32	1014.79	1014.98	1014.97	1014.99	1013.64
15	1014.87	1014.81	1014.70	1014.86	1015.01	1015.28	1015.59	1015.61	1015.45	1015.46	1015.34	1015.08	
	1014.91	1014.68	1014.66	1014.61	1014.52	1014.90	1015.16	1015.71	1016.34	1016.40	1016.18	1016.09	1015.26
16	1015.84	1015.91	1015.79	1015.89	1016.12	1016.21	1016.32	1016.45	1016.33	1016.30	1016.36	1016.22	
	1016.02	1015.82	1015.66	1015.62	1015.55	1015.59	1015.95	1016.55	1017.37	1017.59	1017.64	1017.53	1016.28
17	1017.32	1016.85	1016.82	1016.87	1017.12	1017.29	1017.50	1017.49	1017.48	1017.63	1017.76	1017.71	
	1017.46	1017.17	1016.85	1016.53	1016.32	1016.23	1016.14	1016.34	1016.51	1016.56	1016.49	1015.95	1016.93
18	1015.64	1015.36	1015.15	1014.95	1015.06	1015.25	1015.07	1014.87	1014.76	1014.69	1014.47	1014.14	
	1013.59	1013.17	1012.70	1012.01	1011.48	1011.47	1011.52	1012.07	1012.28	1011.91	1011.67	1011.58	1013.54
19	1011.31	1011.01	1010.67	1010.42	1010.53	1010.36	1010.54	1010.27	1010.41	1010.63	1010.88	1010.77	
	1010.49	1010.46	1010.44	1010.55	1010.72	1011.05	1011.69	1012.44	1012.90	1012.91	1012.90	1013.00	1011.14
20	1012.99	1013.11	1013.35	1013.42	1013.76	1014.08	1014.38	1014.58	1014.53	1014.73	1014.66	1014.81	
	1014.79	1014.75	1014.70	1014.56	1014.57	1014.80	1015.16	1015.86	1016.49	1016.66	1016.63	1016.58	1014.75
21	1016.57	1016.61	1016.69	1017.17	1017.65	1017.89	1018.27	1018.60	1018.63	1018.79	1018.89	1018.80	
	1018.74	1018.73	1018.73	1018.71	1018.74	1018.76	1018.61	1018.95	1019.35	1019.41	1019.43	1019.22	1018.41
22	1018.72	1018.32	1018.31	1018.35	1018.45	1018.58	1018.79	1018.76	1018.50	1018.37	1018.52	1018.22	
	1017.97	1017.54	1017.23	1017.01	1016.81	1016.88	1016.84	1016.91	1017.07	1017.19	1017.25	1017.21	1017.82
23	1016.87	1016.67	1016.47	1016.18	1016.40	1016.69	1016.83	1016.55	1016.42	1016.37	1016.15	1015.79	
	1015.60	1015.55	1015.26	1014.92	1014.88	1015.04	1015.12	1015.42	1015.69	1015.85	1015.89	1015.48	1015.92
24	1015.20	1014.96	1014.75	1014.64	1014.77	1014.88	1015.12	1014.79	1014.53	1014.62	1014.41	1014.14	
	1013.81	1013.52	1013.54	1013.22	1013.03	1013.30	1013.47	1013.94	1014.40	1014.38	1014.48	1014.50	1014.27
25	1014.44	1014.17	1014.15	1014.45	1014.65	1015.14	1015.54	1015.77	1015.79	1015.82	1015.78	1015.49	
	1015.19	1014.72	1014.36	1014.49	1014.74	1015.14	1015.78	1016.39	1017.10	1017.40	1017.79	1017.90	1015.51
26	1018.24	1018.48	1018.65	1018.82	1019.11	1019.59	1019.93	1019.93	1019.98	1019.80	1019.76	1019.74	
	1019.53	1019.36	1019.13	1018.84	1018.64	1018.74	1019.09	1019.38	1019.76	1019.80	1019.68	1019.63	1019.32
27	1019.49	1019.24	1018.95	1018.97	1019.21	1019.29	1019.20	1018.98	1018.71	1018.37	1017.88	1017.44	
	1017.01	1016.66	1016.20	1015.85	1015.35	1015.23	1015.16	1015.28	1015.42	1015.31	1015.19	1015.00	1017.22
28	1014.82	1014.57	1014.40	1014.32	1014.43	1014.43	1013.95	1013.71	1013.36	1012.86	1012.37	1012.06	
	1011.53	1011.02	1010.38	1010.06	1009.97	1009.90	1010.09	1010.46	1010.66	1010.77	1010.88	1010.66	1012.15
29	1010.52	1010.38	1010.42	1010.59	1010.87	1011.00	1011.00	1010.64	1010.50	1010.42	1010.36	1010.23	
	1010.00	1009.80	1009.43	1009.37	1009.45	1009.71	1010.02	1010.64	1011.22	1011.37	1011.51	1011.21	1010.44
30	1011.00	1010.70	1010.53	1010.41	1010.42	1010.37	1010.82	1010.69	1010.54	1010.57	1010.27	1010.00	
	1010.00	1009.68	1009.49	1009.03	1008.95	1009.41	1009.98	1010.21	1010.47	1010.68	1010.83	1010.61	1010.23
MONTHLY AVG	1013.68	1013.48	1013.37	1013.38	1013.58	1013.76	1013.90	1013.84	1013.76	1013.75	1013.67	1013.50	
	1013.27	1013.05	1012.90	1012.78	1012.72	1012.94	1013.17	1013.58	1013.96	1013.99	1013.96	1013.77	1013.49

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - July 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1010.56	1010.38	1010.32	1010.43	1010.51	1010.91	1010.87	1011.01	1011.26	1011.47	1011.17	1010.79	
	1010.03	1010.10	1009.84	1009.78	1009.39	1009.73	1009.69	1009.97	1010.08	1010.17	1010.24	1009.91	1010.36
2	1009.53	1009.37	1009.11	1008.96	1008.56	1008.58	1008.78	1008.49	1008.16	1008.25	1008.18	1008.08	
	1007.79	1007.30	1007.26	1007.70	1007.78	1007.76	1007.84	1007.83	1008.15	1008.24	1008.27	1008.31	1008.26
3	1008.17	1008.24	1008.20	1008.44	1008.72	1008.87	1009.13	1009.38	1009.56	1009.48	1009.51	1009.52	
	1009.51	1009.52	1009.63	1009.52	1009.52	1009.88	1010.37	1010.92	1011.57	1011.91	1011.86	1011.51	1009.71
4	1011.35	1011.34	1011.30	1011.62	1012.20	1012.81	1013.60	1014.07	1014.14	1014.10	1013.84	1014.13	
	1015.07	1014.99	1014.95	1014.43	1013.43	1013.64	1013.44	1013.91	1013.67	1013.50	1013.43	1013.17	1013.42
5	1012.66	1011.96	1011.99	1011.79	1011.03	1010.61	1010.99	1012.40	1012.42	1012.02	1011.07	1010.55	
	1010.31	1009.50	1008.98	1009.10	1009.41	1009.21	1009.35	1009.77	1010.26	1010.32	1010.50	1010.54	1010.70
6	1010.41	1010.18	1010.03	1010.27	1010.58	1010.79	1010.90	1010.87	1010.80	1010.69	1010.31	1009.99	
	1010.01	1010.14	1010.27	1010.24	1010.24	1010.50	1010.84	1011.38	1012.01	1012.33	1012.42	1012.49	1010.78
7	1012.44	1012.41	1012.43	1012.54	1012.68	1012.95	1013.15	1013.19	1013.24	1013.08	1013.11	1013.28	
	1013.20	1013.04	1012.94	1012.72	1012.56	1012.63	1012.53	1012.70	1012.95	1013.04	1013.09	1012.92	1012.87
8	1013.01	1012.94	1013.08	1013.36	1013.50	1013.83	1014.19	1014.36	1014.54	1014.79	1014.99	1014.90	
	1014.58	1014.45	1014.53	1014.46	1014.33	1014.39	1014.66	1015.10	1015.73	1015.84	1015.83	1015.87	1014.47
9	1015.94	1015.94	1015.93	1016.21	1016.37	1016.43	1016.44	1016.66	1016.72	1016.50	1016.10	1015.79	
	1015.68	1015.47	1015.43	1015.74	1015.69	1015.78	1015.86	1016.14	1016.17	1016.06	1016.07	1016.17	1016.05
10	1015.89	1015.69	1015.47	1015.58	1015.75	1015.77	1015.94	1016.30	1016.38	1016.06	1015.63	1015.06	
	1014.54	1014.52	1014.51	1014.11	1014.27	1014.40	1014.29	1014.30	1014.40	1014.36	1014.70	1014.42	1015.10
11	1013.99	1013.74	1013.52	1013.29	1013.49	1013.44	1013.47	1013.46	1013.38	1013.47	1013.72	1013.46	
	1013.07	1012.89	1012.58	1012.57	1012.59	1012.40	1012.40	1012.65	1012.96	1012.89	1012.95	1012.83	1013.13
12	1012.45	1012.43	1012.35	1012.20	1012.26	1012.37	1012.49	1012.59	1012.44	1012.28	1011.98	1011.50	
	1011.42	1011.33	1011.01	1010.49	1010.36	1010.50	1010.74	1011.20	1011.13	1011.24	1011.13	1010.70	1011.61
13	1010.33	1009.92	1009.59	1009.60	1009.88	1010.20	1010.31	1010.22	1009.54	1009.49	1009.04	1008.40	
	1007.83	1007.25	1007.41	1008.30	1008.80	1008.92	1008.96	1009.14	1009.26	1009.14	1008.95	1009.05	1009.15
14	1009.18	1009.21	1009.31	1009.57	1009.78	1010.10	1010.28	1010.39	1010.67	1011.21	1011.67	1011.97	
	1012.04	1012.11	1012.24	1012.28	1012.38	1012.66	1013.06	1013.52	1014.06	1014.44	1014.80	1014.80	1011.74
15	1014.69	1014.55	1014.27	1014.33	1014.41	1014.65	1015.00	1015.31	1015.44	1015.48	1015.76	1015.78	
	1015.83	1015.80	1015.57	1015.27	1015.05	1015.18	1015.50	1015.94	1016.25	1016.57	1016.65	1016.49	1015.41
16	1016.28	1015.94	1015.40	1015.01	1014.99	1015.11	1015.17	1015.06	1014.86	1014.61	1014.46	1014.07	
	1013.62	1013.02	1012.68	1012.20	1012.02	1011.79	1011.90	1012.12	1012.15	1012.09	1011.91	1011.78	1013.68
17	1011.54	1011.25	1010.96	1011.02	1011.24	1011.23	1011.10	1010.84	1010.49	1010.07	1009.69	1009.24	
	1008.80	1008.67	1008.52	1008.08	1007.76	1007.67	1007.70	1007.64	1007.83	1007.97	1008.20	1007.99	1009.40
18	1007.84	1007.46	1007.15	1006.90	1006.88	1007.11	1007.35	1007.32	1007.40	1007.42	1007.39	1007.35	
	1007.14	1007.22	1007.21	1007.09	1006.97	1007.11	1007.04	1007.22	1007.46	1007.30	1007.21	1006.98	1007.23
19	1006.81	1006.74	1006.63	1006.64	1006.89	1007.05	1007.07	1007.02	1006.80	1006.57	1006.67	1006.36	
	1006.40	1006.24	1006.02	1005.75	1005.65	1005.84	1005.65	1005.10	1004.65	1004.98	1005.21	1005.31	1006.17
20	1005.53	1005.22	1004.78	1004.27	1004.48	1004.68	1004.99	1005.24	1005.46	1005.91	1006.39	1006.44	
	1006.38	1006.62	1006.64	1006.42	1006.43	1006.65	1006.87	1007.39	1008.12	1008.54	1008.67	1008.47	1006.27
21	1008.25	1007.96	1007.71	1007.81	1007.92	1007.96	1008.35	1008.52		1008.41	1008.39	1008.30	
	1008.38	1008.37	1008.01	1007.96	1007.93	1007.98	1008.20	1008.61	1009.08	1009.28	1009.27	1008.91	1008.33
22	1008.54	1008.22	1008.00	1008.06	1008.24	1008.30	1008.68	1008.69	1008.92	1008.87	1009.14	1009.25	
	1009.20	1009.28	1009.21	1009.11	1008.97	1009.09	1009.17	1009.24	1009.30	1010.09	1009.69	1009.83	1008.96
23	1010.39	1008.46	1007.39	1007.11	1007.83	1008.29	1007.99	1007.88	1007.45	1006.56	1007.13	1007.38	
	1007.43	1007.16	1006.97	1006.78	1006.43	1006.43	1006.66	1006.99	1007.25	1007.37	1006.87	1006.30	1007.35
24	1005.62	1005.14	1004.48	1004.16	1004.00	1004.06	1004.13	1004.09	1004.05	1003.97	1003.98	1003.70	
	1003.39	1003.05	1003.49	1003.47	1003.40	1003.39	1003.71	1004.18	1004.59	1004.69	1004.53	1004.50	1004.07
25	1004.45	1004.30	1004.20	1004.31	1004.68	1005.11	1005.31	1005.40	1005.46	1005.35	1005.10	1005.01	
	1004.97	1005.01	1005.16	1005.38	1005.68	1005.99	1006.51	1007.18	1007.80	1008.03	1008.15	1008.27	1005.70
26	1008.24	1008.33	1008.16	1008.29	1008.69	1009.21	1009.78	1010.13	1010.30	1010.61	1010.82	1011.18	
	1011.40	1011.30	1011.50	1012.04	1012.32	1012.86	1013.28	1013.93	1014.30	1014.45	1014.48	1014.57	1011.26
27	1014.65	1014.63	1014.70	1014.94	1015.06	1015.29	1015.46	1015.58	1015.47	1015.06	1014.89	1015.24	
	1015.04	1014.61	1013.95	1013.45	1012.67	1012.36	1011.66	1012.93	1013.68	1013.56	1013.53	1013.35	1014.24
28	1013.52	1013.71	1013.69	1013.58	1013.64	1013.78	1013.82	1013.72	1013.60	1013.50	1013.11	1012.82	
	1012.34	1011.97	1012.04	1011.81	1011.58	1011.74	1012.08	1012.39	1012.82	1012.96	1012.78	1012.48	1012.90
29	1012.03	1012.06	1012.04	1011.55	1011.39	1011.48	1011.71	1011.82	1011.84	1011.69	1011.44	1011.08	
	1010.93	1010.76	1010.53	1010.28	1010.47	1010.26	1010.66	1011.08	1011.47	1011.72	1012.10	1012.10	1011.35
30	1011.77	1011.52	1011.36	1011.54	1011.83	1011.97	1012.17	1012.22	1012.23	1012.08	1011.92	1011.89	
	1011.68	1011.47	1011.23	1010.85	1010.76	1010.51	1010.67	1011.01	1011.35	1011.50	1011.64	1011.56	1011.53
31	1011.30	1011.00	1010.74	1010.75	1010.62	1010.51	1010.75	1010.95	1011.00	1011.09	1011.11	1010.94	
	1010.68	1010.39	1009.96	1009.66	1009.73	1009.76	1010.02	1010.51	1010.90	1010.91	1010.98	1010.88	1010.63
MONTHLY AVG	1010.88	1010.65	1010.46	1010.45	1010.58	1010.76	1010.95	1011.07	978.52	1010.97	1010.89	1010.76	
	1010.60	1010.44	1010.33	1010.23	1010.15	1010.23	1010.36	1010.71	1011.01	1011.14	1011.16	1011.05	1010.70

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - August 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1010.67	1010.56	1010.52	1010.57	1010.81	1011.05	1011.29	1011.43	1011.49	1011.37	1011.26	1011.06	
	1010.86	1010.96	1011.20	1011.30	1011.48	1011.75	1012.36	1012.84	1013.27	1013.36	1013.28	1013.44	1011.59
2	1013.72	1013.82	1013.72	1013.86	1013.90	1014.07	1014.55	1014.90	1015.09	1015.20	1015.05	1014.88	
	1014.72	1014.71	1014.63	1014.45	1014.30	1014.46	1015.06	1015.77	1016.14	1016.14	1016.28	1016.20	1014.82
3	1016.11	1016.20	1016.47	1016.65	1017.01	1017.57	1018.01	1018.07	1017.99	1017.68	1017.17	1016.63	
	1016.25	1016.23	1016.20	1016.13	1016.48	1016.78	1016.98	1017.35	1016.80	1015.08	1014.49	1015.46	1016.66
4	1015.62	1015.57	1014.77	1014.05	1013.72	1013.94	1014.30	1014.32	1014.09	1013.77	1013.61	1013.18	
	1012.87	1012.54	1012.36	1012.29	1012.07	1012.20	1012.15	1012.31	1012.39	1012.46	1012.47	1012.23	1013.30
5	1012.18	1012.14	1011.95	1011.87	1011.95	1012.06	1012.27	1012.31	1012.34	1012.17	1011.77	1011.57	
	1011.55	1011.10	1010.86	1010.89	1010.85	1010.91	1010.85	1011.14	1011.25	1011.13	1011.06	1011.32	1011.56
6	1011.47	1011.25	1011.25	1011.21	1011.10	1011.24	1011.59	1011.81	1011.99	1011.84	1011.56	1011.16	
	1010.91	1011.01	1011.04	1011.02	1010.78	1010.67	1010.70	1010.93	1011.03	1011.09	1011.06	1010.90	1011.19
7	1010.79	1010.65	1010.78	1010.60	1011.02	1011.27	1011.14	1011.00	1011.27	1011.50	1011.45	1011.46	
	1011.38	1011.01	1010.71	1010.75	1010.51	1010.66	1010.77	1011.03	1011.15	1011.38	1011.53	1011.50	1011.05
8	1011.46	1011.28	1010.98	1010.84	1010.95	1011.07	1011.38	1011.68	1011.75	1011.73	1011.47	1011.32	
	1011.04	1010.88	1010.92	1010.82	1010.67	1010.92	1011.31	1011.51	1011.47	1011.61	1011.50	1011.22	1011.24
9	1010.78	1010.51	1010.27	1010.29	1010.54	1010.42	1010.81	1011.08	1011.19	1011.23	1011.12	1010.94	
	1010.65	1010.43	1010.44	1010.39	1010.49	1010.66	1011.09	1011.89	1012.22	1012.18	1012.32	1012.19	1011.01
10	1011.94	1012.06	1012.20	1012.46	1012.96	1013.45	1013.87	1014.11	1014.20	1014.36	1014.43	1014.27	
	1014.03	1013.93	1013.89	1014.02	1014.18	1014.46	1015.11	1015.82	1016.35	1016.73	1016.95	1017.06	1014.29
11	1017.07	1016.89	1016.79	1017.03	1017.48	1017.75	1017.85	1017.69	1017.81	1017.65	1017.25	1016.66	
	1016.32	1015.81	1015.40	1015.06	1014.76	1014.63	1014.83	1015.15	1015.24	1015.15	1015.05	1014.84	1016.26
12	1014.37	1014.02	1013.69	1013.33	1013.31	1013.33	1013.50	1013.54	1013.55	1013.27	1012.81	1012.35	
	1012.00	1011.61	1011.19	1010.88	1010.66	1010.68	1011.04	1011.44	1011.49	1011.36	1011.64	1011.50	1012.36
13	1011.29	1010.85	1010.40	1010.31	1010.42	1010.27	1010.24	1010.35	1010.46	1010.29	1009.88	1009.65	
	1009.52	1009.36	1009.31	1009.37	1009.33	1009.40	1009.60	1009.99	1010.25	1010.33	1010.53	1010.39	1010.08
14	1010.07	1010.04	1010.01	1010.02	1009.99	1010.25	1010.57	1010.67	1010.81	1010.74	1010.70	1010.56	
	1010.61	1010.33	1010.00	1009.83	1009.80	1010.01	1010.29	1010.71	1011.07	1011.23	1011.25	1011.24	1010.45
15	1010.91	1010.75	1010.53	1010.50	1011.07	1011.26	1011.32	1011.32	1011.45	1011.66	1011.80	1012.15	
	1011.99	1011.74	1011.43	1011.36	1011.61	1011.82	1012.28	1013.02	1013.21	1013.32	1013.36	1013.36	1011.80
16	1013.27	1013.25	1013.18	1013.04	1013.17	1013.26	1013.35	1013.30	1013.45	1013.51	1013.20	1012.85	
	1012.76	1012.54	1012.39	1012.24	1012.15	1012.28	1012.72	1013.46	1013.72	1013.83	1013.96	1013.76	1013.11
17	1013.63	1013.49	1013.18	1013.05	1013.27	1013.52	1013.93	1014.11	1014.11	1013.95	1013.58	1013.35	
	1013.12	1012.90	1012.89	1013.09	1013.12	1013.12	1013.47	1013.94	1014.09	1014.31	1014.37	1014.24	1013.58
18	1014.11	1014.03	1014.10	1014.15	1014.49	1014.73	1015.03	1015.17	1015.52	1015.54	1015.27	1015.17	
	1015.03	1014.93	1014.88	1014.71	1014.69	1014.81	1015.24	1015.86	1016.23	1016.50	1016.52	1016.43	1015.13
19	1016.32	1016.25	1016.14	1016.09	1016.49	1016.89	1017.11	1017.40	1017.70	1017.58	1017.36	1017.32	
	1017.13	1016.72	1016.54	1016.43	1016.22	1016.23	1016.59	1017.04	1017.18	1017.20	1017.24	1017.12	1016.85
20	1016.99	1016.89	1016.93	1016.90	1017.06	1017.25	1017.51	1017.58	1017.54	1017.22	1016.93	1016.67	
	1016.35	1016.19	1015.88	1015.73	1015.69	1015.91	1016.28	1016.62	1016.50	1016.63	1016.48	1016.36	1016.67
21	1016.24	1016.02	1015.82	1015.79	1015.97	1016.12	1016.31	1016.45	1016.51	1016.33	1016.07	1015.80	
	1015.57	1015.33	1015.11	1015.08	1014.96	1015.06	1015.31	1015.56	1015.73	1015.56	1015.38	1015.11	1015.72
22	1015.08	1015.09	1015.10	1015.26	1015.46	1015.77	1015.97	1016.08	1016.14	1015.77	1015.26	1014.63	
	1014.36	1014.17	1013.93	1013.93	1013.91	1014.11	1014.46	1014.87	1015.07	1015.03	1015.03	1015.02	1014.98
23	1014.98	1014.94	1014.87	1014.87	1015.03	1015.47	1015.95	1015.88	1015.75	1015.65	1015.37	1014.88	
	1014.48	1014.25	1014.06	1013.80	1013.65	1013.73	1014.22	1014.78	1015.06	1015.18	1015.22	1015.06	1014.88
24	1014.74	1014.40	1014.38	1014.46	1014.63	1015.01	1015.21	1015.10	1014.95	1014.72	1014.23	1013.78	
	1013.49	1013.13	1012.86	1012.67	1012.54	1012.61	1012.92	1013.43	1013.63	1013.64	1013.53	1013.26	1013.89
25	1013.11	1013.18	1013.32	1013.23	1013.32	1013.52	1013.54	1013.63	1013.79	1013.87	1013.49	1013.17	
	1012.94	1012.58	1012.24	1012.08	1011.97	1011.94	1012.44	1012.96	1012.95	1012.71	1012.73	1012.62	1012.97
26	1012.37	1012.23	1012.13	1012.06	1012.27	1012.59	1012.60	1012.52	1012.62	1012.52	1012.07	1011.48	
	1011.26	1010.90	1010.56	1010.28	1010.15	1009.97	1010.40	1010.82	1010.78	1010.95	1010.94	1010.94	1011.48
27	1010.64	1010.40	1010.35	1010.23	1010.26	1010.43	1010.87	1011.17	1011.37	1011.45	1011.16	1011.17	
	1010.89	1010.39	1010.44	1010.36	1010.38	1010.58	1011.02	1011.45	1011.66	1011.71	1012.02	1012.33	1010.95
28	1012.37	1012.56	1012.50	1012.57	1012.92	1013.33	1013.61	1013.86	1014.14	1014.00	1013.65	1013.39	
	1013.22	1013.03	1012.77	1012.65	1012.54	1012.55	1013.11	1013.46	1013.51	1013.61	1013.59	1013.46	1013.18
29	1013.08	1012.80	1012.49	1012.38	1012.38	1012.82	1012.89	1012.87	1012.86	1012.74	1012.28	1012.06	
	1011.95	1011.57	1011.28	1011.03	1010.99	1010.94	1011.39	1012.04	1012.23	1012.41	1012.44	1012.19	1012.17
30	1011.89	1011.51	1011.45	1011.61	1011.81	1011.88	1011.99	1011.92	1011.73	1011.47	1011.18	1011.07	
	1010.94	1010.89	1010.92	1010.77	1010.68	1010.59	1010.85	1011.34	1011.47	1011.58	1011.73	1011.76	1011.38
31	1011.51	1011.50	1011.45	1011.57	1011.90	1012.25	1012.52	1012.82	1013.13	1013.18	1012.90	1012.48	
	1012.02	1011.63	1011.62	1011.81	1012.02	1012.12	1012.69	1013.29	1013.52	1013.82	1014.04	1014.17	1012.50
MONTHLY AVG	1013.19	1013.07	1012.96	1012.93	1013.12	1013.35	1013.58	1013.68	1013.77	1013.68	1013.40	1013.13	
	1012.91	1012.67	1012.52	1012.43	1012.38	1012.47	1012.82	1013.28	1013.44	1013.46	1013.48	1013.44	1013.13

S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
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UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1014.08	1014.11	1014.26	1014.69	1015.01	1015.46	1015.41	1015.32	1015.15	1014.92	1014.36	1013.98	
	1014.39	1014.53	1014.31	1014.29	1014.18	1014.26	1014.57	1014.73	1014.58	1014.79	1014.60	1014.63	1014.61
2	1014.37	1014.14	1014.12	1014.02	1014.18	1014.66	1014.59	1014.46	1014.28	1013.84	1013.41	1012.96	
	1012.57	1012.14	1012.08	1012.09	1012.20	1012.56	1012.25	1012.88	1012.59	1012.22	1012.13	1012.46	1013.22
3	1012.44	1012.83	1012.88	1012.79	1012.64	1012.27	1012.29	1012.13	1012.05	1012.28	1012.06	1012.03	
	1012.19	1012.39	1012.14	1011.95	1011.92	1011.82	1011.43	1011.81	1012.47	1012.57	1013.23	1013.77	1012.35
4	1012.90	1012.70	1012.28	1012.55	1012.53	1012.75	1012.69	1012.75	1013.17	1013.27	1013.02	1012.99	
	1013.35	1013.52	1013.12	1013.00	1013.37	1014.59	1015.82	1016.48	1016.12	1015.85	1015.05	1014.60	1013.69
5	1014.27	1014.40	1014.47	1014.67	1014.99	1015.28	1015.40	1015.65	1015.82	1015.78	1015.69	1015.69	
	1015.77	1015.82	1015.81	1015.89	1016.13	1016.49	1017.09	1017.43	1017.58	1017.64	1017.56	1017.54	1015.95
6	1017.55	1017.60	1017.54	1017.23	1017.20	1017.62	1017.95	1018.13	1018.21	1017.84	1017.36	1016.99	
	1016.55	1015.89	1015.64	1015.58	1015.62	1015.77	1016.01	1016.27	1016.58	1016.68	1016.56	1016.43	1016.87
7	1016.24	1015.98	1015.79	1015.71	1015.58	1015.63	1015.60	1015.61	1015.55	1015.19	1014.48	1013.95	
	1013.74	1013.23	1012.81	1012.54	1012.50	1012.48	1012.67	1012.88	1012.86	1012.54	1012.06	1011.55	1014.05
8	1011.13	1010.72	1010.65	1010.42	1010.41	1010.66	1010.78	1010.96	1011.27	1011.12	1010.94	1010.30	
	1010.09	1009.73	1009.56	1009.72	1009.84	1009.93	1010.57	1011.01	1011.12	1011.25	1011.06	1011.04	1010.60
9	1010.94	1010.91	1010.93	1010.91	1011.00	1011.34	1011.64	1011.95	1012.33	1012.71	1012.91	1012.69	
	1012.55	1012.53	1012.47	1012.54	1012.65	1012.69	1013.29	1013.92	1014.26	1014.56	1014.66	1014.75	1012.55
10	1014.58	1014.38	1014.23	1014.31	1014.61	1014.98	1015.34	1015.72	1015.96	1015.91	1015.57	1015.01	
	1014.55	1014.24	1014.19	1014.16	1014.35	1014.59	1015.25	1015.86	1016.07	1016.13	1016.21	1016.25	1015.10
11	1016.07	1016.05	1016.00	1015.72	1015.78	1016.05	1016.20	1016.16	1016.17	1015.93	1015.51	1015.14	
	1014.95	1014.68	1014.54	1014.45	1014.41	1014.38	1014.84	1015.10	1014.89	1014.49	1014.39	1014.60	1015.27
12	1014.44	1014.07	1014.12	1014.13	1014.14	1014.06	1014.42	1014.56	1014.59	1014.35	1014.16	1014.01	
	1013.85	1013.56	1013.18	1013.09	1013.10	1013.24	1013.72	1013.98	1014.00	1014.04	1013.99	1013.89	1013.94
13	1013.67	1013.41	1013.31	1013.28	1013.38	1013.73	1013.99	1014.13	1014.12	1013.77	1013.52	1012.92	
	1012.61	1012.21	1011.86	1011.73	1011.83	1011.87	1012.11	1012.43	1012.64	1012.76	1012.84	1012.85	1012.96
14	1012.72	1012.73	1012.74	1012.50	1012.43	1012.81	1012.95	1013.10	1013.30	1013.29	1013.03	1012.93	
	1012.66	1012.27	1011.92	1011.94	1012.06	1012.36	1013.10	1013.49	1013.51	1013.57	1013.65	1013.75	1012.87
15	1013.57	1013.44	1013.34	1013.29	1013.43	1013.63	1013.83	1013.98	1014.27	1014.39	1014.27	1014.11	
	1013.87	1013.61	1013.51	1013.61	1013.66	1013.84	1014.33	1014.88	1014.98	1015.09	1015.13	1015.16	1014.05
16	1015.08	1014.93	1014.77	1014.81	1014.93	1015.26	1015.54	1015.73	1015.82	1015.71	1015.51	1014.93	
	1014.43	1014.13	1013.82	1013.79	1013.91	1013.96	1014.31	1014.67	1014.68	1014.76	1014.76	1014.68	1014.79
17	1014.63	1014.46	1014.40	1014.26	1014.26	1014.52	1014.60	1014.69	1014.89	1014.77	1014.20	1013.53	
	1013.13	1012.85	1012.54	1012.24	1011.99	1012.01	1012.36	1012.64	1012.59	1012.54	1012.17	1011.89	1013.42
18	1011.69	1011.35	1010.85	1010.22	1009.93	1010.07	1010.03	1009.81	1009.48	1009.15	1008.71	1008.21	
	1007.72	1007.29	1006.98	1007.06	1006.64	1006.27	1006.36	1006.57	1006.20	1006.06	1005.70	1004.35	1008.20
19	1003.72	1003.36	1003.72	1003.54	1003.55	1003.69	1003.46	1004.06	1004.91	1005.21	1005.11	1004.76	
	1004.19	1004.38	1004.97	1005.06	1005.20	1005.01	1005.75	1006.51	1006.57	1006.89	1007.35	1007.47	1004.93
20	1007.53	1007.54	1007.29	1008.27	1009.24	1009.63	1009.86	1010.29	1010.60	1010.93	1010.65	1010.35	
	1010.05	1009.97	1010.13	1010.37	1011.01	1011.74	1012.39	1012.82	1012.95	1012.96	1013.09	1013.08	1010.53
21	1012.81	1012.64	1012.50	1012.61	1012.78	1013.20	1013.34	1013.64	1013.53	1013.43	1013.24	1012.98	
	1012.55	1012.29	1012.17	1012.20	1012.57	1012.99	1013.64	1013.98	1014.15	1014.20	1014.13	1014.00	1013.15
22	1013.87	1013.80	1013.84	1013.91	1014.15	1014.40	1014.37	1014.41	1014.38	1014.16	1013.70	1013.30	
	1013.06	1012.90	1012.71	1012.70	1012.78	1012.97	1013.48	1013.66	1013.65	1013.68	1013.59	1013.41	1013.62
23	1013.18	1012.99	1012.78	1012.60	1012.72	1013.14	1013.71	1013.99	1013.97	1013.68	1013.31	1012.98	
	1012.57	1012.23	1012.11	1012.16	1012.68	1012.92	1013.63	1013.71	1013.70	1014.07	1014.16	1013.99	1013.21
24	1013.85	1013.72	1013.49	1013.58	1013.60	1014.11	1014.51	1014.91	1015.13	1015.19	1014.85	1014.27	
	1013.83	1013.78	1013.85	1013.78	1014.01	1014.54	1015.29	1015.87	1016.17	1016.24	1016.41	1016.48	1014.64
25	1016.43	1016.20	1016.00	1016.04	1015.93	1015.97	1016.42	1017.00	1017.40	1017.51	1017.39	1017.12	
	1016.59	1016.24	1016.14	1016.37	1016.66	1017.31	1017.65	1017.74	1017.87	1017.98	1018.23	1018.40	1016.94
26	1018.17	1017.98	1017.84	1017.96	1018.12	1018.28	1018.57	1018.80	1019.03	1019.05	1018.74	1018.22	
	1017.74	1017.59	1017.72	1018.27	1018.33	1018.94	1019.47	1019.70	1020.02	1020.30	1020.08	1019.85	1018.70
27	1019.68	1019.46	1019.51	1019.65	1019.73	1020.24	1020.52	1020.86	1021.10	1021.06	1020.86	1020.44	
	1020.05	1019.64	1019.25	1019.23	1019.34	1019.66	1020.17	1020.73	1020.87	1020.84	1020.79	1020.73	1020.18
28	1020.58	1020.55	1020.35	1020.17	1020.11	1020.38	1020.71	1020.90	1020.91	1020.71	1020.44	1019.94	
	1019.55	1019.14	1018.84	1018.64	1018.72	1018.88	1019.35	1019.93	1020.27	1020.55	1020.72	1020.83	1020.05
29	1020.95	1020.84	1020.80	1020.84	1020.85	1021.01	1021.44	1021.70	1021.81	1021.69	1021.32	1020.76	
	1020.20	1019.74	1019.57	1019.59	1019.73	1019.95	1020.27	1020.49	1020.83	1021.03	1021.08	1020.99	1020.73
30	1020.94	1020.79	1020.82	1020.90	1021.02	1021.27	1021.49	1022.03	1022.39	1022.45	1022.23	1021.73	
	1021.24	1021.04	1020.93	1021.07	1021.28	1021.42	1021.83	1022.16	1022.36	1022.46	1022.48	1022.44	1021.62
MONTHLY AVG	1014.40	1014.27	1014.19	1014.19	1014.27	1014.54	1014.72	1014.91	1015.05	1014.97	1014.69	1014.31	
	1014.02	1013.78	1013.63	1013.64	1013.76	1013.98	1014.43	1014.81	1014.90	1014.96	1014.93	1014.86	1014.43

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UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1022.24	1021.98	1021.84	1021.75	1021.92	1022.42	1022.86	1023.11	1023.16	1022.88	1022.52	1021.76	
	1021.07	1020.70	1020.59	1020.56	1020.70	1020.94	1021.09	1021.34	1021.38	1021.45	1021.44	1021.29	1021.71
2	1021.03	1020.62	1020.41	1020.36	1020.46	1020.48	1020.60	1020.69	1020.79	1020.74	1020.24	1019.69	
	1019.14	1018.74	1018.58	1018.47	1018.60	1018.80	1019.03	1019.17	1019.32	1019.38	1019.41	1019.60	1019.76
3	1019.63	1019.67	1019.79	1019.96	1020.13	1020.53	1020.88	1021.29	1021.33	1021.24	1021.14	1020.69	
	1020.32	1019.99	1020.07	1020.15	1020.34	1020.67	1021.11	1021.31	1021.35	1021.31	1021.27	1021.36	1020.65
4	1021.26	1020.96	1020.61	1020.53	1020.66	1020.90	1021.27	1021.44	1021.53	1021.01	1020.46	1019.77	
	1019.08	1018.67	1018.39	1018.20	1018.34	1018.78	1019.24	1019.45	1019.61	1019.61	1019.40	1019.18	1019.93
5	1019.07	1018.76	1018.65	1018.61	1018.69	1019.04	1019.27	1019.63	1019.73	1019.49	1019.15	1018.74	
	1018.21	1017.91	1017.80	1017.88	1018.10	1018.59	1018.87	1019.17	1019.39	1019.51	1019.36	1019.22	1018.87
6	1019.22	1018.96	1018.78	1018.86	1018.88	1018.97	1019.30	1019.57	1019.65	1019.40	1018.92	1018.32	
	1017.75	1017.25	1016.91	1016.63	1016.58	1016.56	1016.62	1016.70	1016.64	1016.40	1016.05	1015.56	1017.85
7	1014.82	1013.90	1013.10	1012.48	1011.71	1011.06	1010.70	1009.97	1009.71	1009.43	1008.55	1007.16	
	1005.97	1005.40	1005.28	1004.91	1004.80	1004.64	1005.22	1005.56	1006.10	1006.49	1006.55	1006.74	1008.34
8	1006.93	1006.82	1006.79	1006.90	1007.29	1007.72	1008.54	1009.05	1009.22	1009.07	1008.66	1007.76	
	1007.26	1007.02	1006.71	1006.57	1006.66	1007.09	1007.52	1007.90	1007.96	1007.83	1007.89	1007.69	1007.62
9	1007.31	1006.97	1007.01	1007.45	1007.50	1007.79	1008.18	1009.17	1009.71	1009.97	1010.29	1010.44	
	1010.76	1011.15	1011.38	1012.36	1013.13	1014.08	1015.30	1016.14	1016.86	1017.26	1017.12	1017.30	1011.44
10	1017.42	1017.28	1017.04	1017.39	1017.40	1017.32	1017.53	1017.75	1017.87	1017.93	1017.76	1017.31	
	1016.77	1016.46	1016.40	1016.58	1016.83	1017.17	1017.92	1018.05	1018.12	1018.23	1017.86	1017.95	1017.43
11	1017.81	1017.40	1017.24	1017.02	1016.89	1017.00	1017.34	1017.52	1017.29	1017.30	1016.92	1016.21	
	1015.53	1015.17	1015.08	1015.06	1015.31	1015.87	1016.30	1016.60	1016.71	1016.87	1016.87	1016.93	1016.59
12	1016.71	1016.39	1016.06	1016.07	1016.12	1016.42	1016.83	1017.15	1017.37	1017.15	1016.83	1016.34	
	1015.87	1015.82	1015.70	1015.50	1015.66	1016.06	1016.30	1016.37	1016.60	1016.37	1016.10	1015.82	1016.32
13	1015.74	1015.46	1014.89	1014.59	1014.09	1013.45	1013.67	1014.53	1014.89	1014.83	1014.53	1013.83	
	1013.11	1012.70	1012.55										1014.19
14													
							1016.06	1016.48	1017.13	1017.64	1017.91	1018.09	1017.22
15	1018.12	1018.08	1017.85	1017.91	1017.83	1018.05	1018.41	1018.87	1018.92	1018.85	1018.66	1018.18	
	1017.82	1017.59	1017.40	1017.53	1017.85	1018.42	1019.10	1019.65	1020.07	1020.33	1020.44	1020.51	1018.60
16	1020.48	1020.37	1020.29	1020.28	1020.20	1020.03	1020.33	1020.48	1020.45	1020.26	1020.02	1019.40	
	1018.92	1018.63	1018.99	1019.32	1019.75	1020.43	1020.87	1021.36	1021.95	1022.26	1022.31	1022.42	1020.41
17	1022.50	1022.20	1022.21	1022.44	1022.49	1022.52	1022.75	1023.16	1023.26	1023.24	1022.93	1022.25	
	1021.44	1020.94	1020.66	1020.43	1020.64	1020.84	1020.89	1021.05	1021.38	1021.48	1021.59	1021.73	1021.88
18	1021.76	1021.44	1021.34	1021.41	1021.60	1021.75	1022.13	1022.50	1022.63	1022.62	1022.45	1022.09	
	1021.70	1021.43	1021.33	1021.33	1021.59	1021.90	1022.17	1022.39	1022.68	1022.96	1023.12	1023.17	1022.06
19	1022.90	1022.52	1022.33	1022.25	1021.98	1021.95	1022.29	1022.55	1022.64	1022.37	1021.91	1021.49	
	1020.93	1020.42	1019.93	1019.58	1019.36	1019.20	1018.88	1018.62	1018.20	1017.95	1017.53	1016.71	1020.60
20	1015.93	1014.95	1014.32	1014.13	1013.26	1014.24	1014.69	1015.36	1015.21	1015.46	1014.79	1014.23	
	1013.91	1013.54	1013.63	1014.04	1014.55	1014.91	1015.11	1015.59	1015.91	1015.98	1016.00	1015.85	1014.82
21	1015.94	1015.82	1015.68	1015.95	1016.25	1016.48	1017.00	1017.49	1017.65	1017.73	1017.57	1017.19	
	1016.72	1016.53	1016.44	1016.45	1016.82	1017.39	1017.92	1018.42	1018.79	1018.92	1019.08	1019.08	1017.22
22	1019.07	1018.91	1018.84	1019.04	1019.17	1019.24	1019.57	1019.78	1019.84	1019.95	1019.86	1019.28	
	1018.81	1018.58	1018.62	1018.65	1018.79	1019.17	1019.29	1019.46	1019.65	1019.49	1019.26	1019.05	1019.22
23	1018.81	1018.29	1017.95	1017.75	1017.75	1017.80	1017.94	1018.10	1018.10	1017.80	1017.25	1016.65	
	1015.89	1015.51	1015.31	1015.17	1015.13	1015.27	1015.32	1015.27	1015.19	1015.10	1014.93	1014.87	1016.55
24	1014.72	1014.18	1013.65	1013.55	1013.56	1013.75	1013.81	1013.70	1013.72	1013.23	1012.96	1012.33	
	1011.86	1011.41	1011.27	1011.41	1011.77	1012.31	1012.59	1012.77	1012.74	1012.60	1012.65	1012.33	1012.87
25	1012.24	1012.15	1011.73	1011.64	1011.77	1011.65	1011.81	1011.94	1012.05	1011.94	1011.98	1011.83	
	1011.58	1011.26	1011.18	1011.39	1011.93	1012.51	1012.93	1013.23	1013.18	1013.15	1013.10	1012.74	1012.12
26	1012.33	1011.80	1011.19	1011.10	1010.86	1010.77	1011.01	1012.10	1012.85	1013.16	1013.39	1013.09	
	1012.71	1012.73	1012.98	1013.29	1013.65	1014.29	1014.76	1015.10	1015.58	1016.06	1016.38	1016.52	1013.24
27	1016.68	1016.66	1016.38	1016.50	1016.83	1017.02	1017.47	1017.91	1018.19	1018.38	1018.25	1017.97	
	1017.63	1017.45	1017.47	1017.75	1017.97	1018.48	1018.81	1019.05	1019.31	1019.63	1020.05	1020.38	1018.01
28	1020.44	1020.58	1020.65	1020.85	1021.05	1021.25	1022.06	1022.70	1022.75	1022.93	1022.90	1022.55	
	1022.23	1022.03	1022.24	1022.24	1022.62	1023.15	1023.35	1023.41	1023.68	1023.64	1023.52	1023.61	1022.35
29	1023.51	1023.42	1023.25	1023.16	1023.05	1023.10	1023.54	1023.84	1023.93	1023.65	1022.94	1022.33	
	1021.63	1021.08	1021.02	1020.89	1021.17	1021.56	1021.62	1021.58	1021.49	1021.18	1021.05	1020.86	1022.28
30	1020.66	1020.40	1019.98	1019.84	1019.86	1019.80	1020.22	1020.72	1020.87	1020.85	1020.53	1019.80	
	1019.07	1018.65	1018.62	1018.53	1018.63	1018.88	1019.24	1019.43	1019.37	1019.15	1019.13	1019.36	1019.65
31	1019.36	1019.05	1018.75	1018.65	1018.61	1018.61	1018.96	1019.05	1019.08	1019.17	1018.83	1018.18	
	1017.74	1017.40	1017.24	1017.33	1017.56	1017.74	1017.85	1018.00	1018.16	1018.27	1018.13	1017.95	1018.32
MONTHLY AVG	1017.89	1017.60	1017.37	1017.37	1017.37	1017.51	1017.84	1018.16	1018.26	1018.18	1017.88	1017.35	
	1016.84	1016.53	1016.46	1016.49	1016.72	1017.09	1017.42	1017.66	1017.84	1017.89	1017.85	1017.79	1017.47

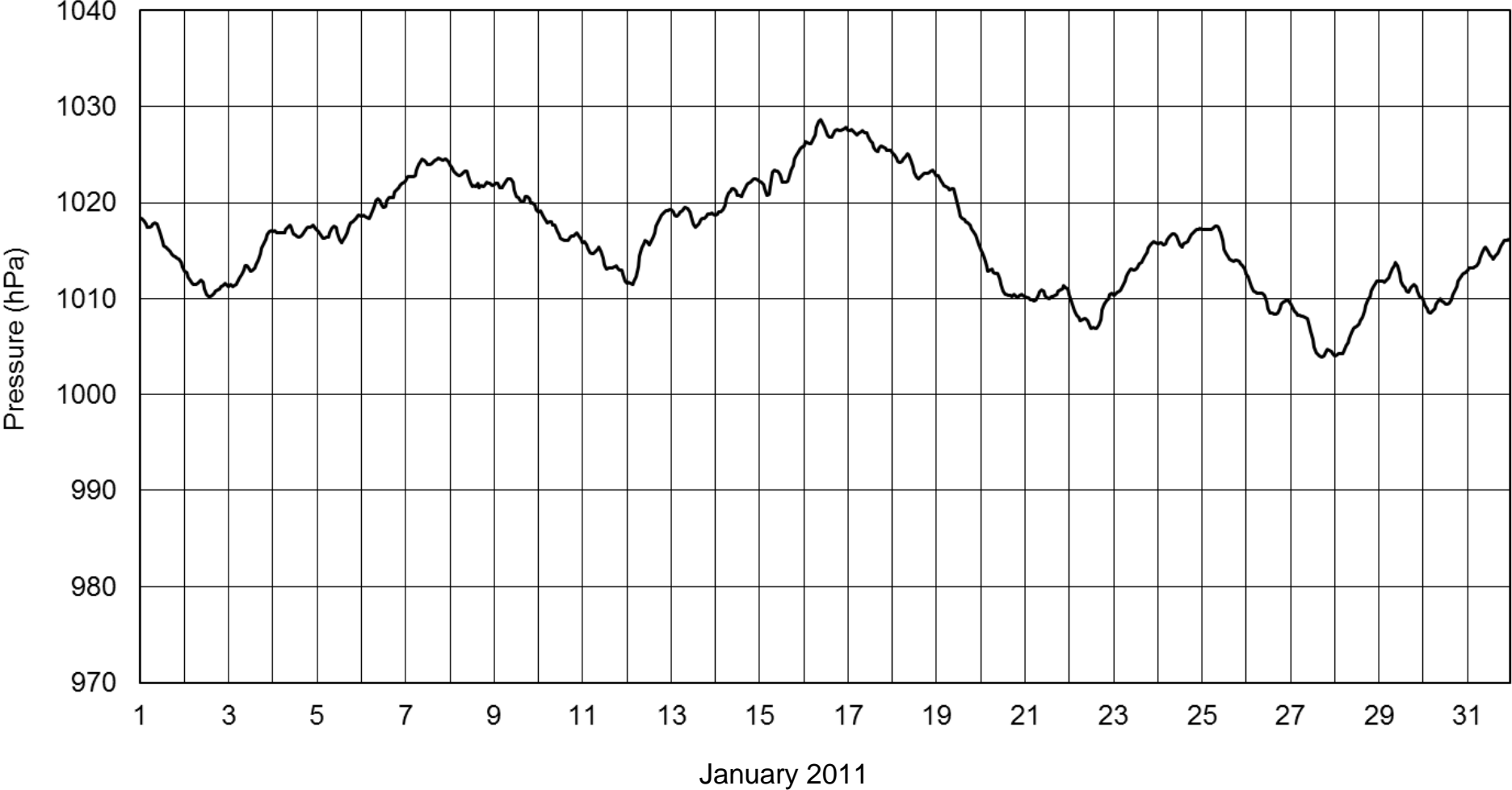
S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - November 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1017.93	1017.85	1017.59	1017.67	1017.62	1017.79	1018.33	1018.59	1018.47	1018.30	1017.82	1017.25	
	1016.99	1016.94	1016.91	1016.96	1017.24	1017.55	1017.62	1017.93	1018.27	1018.28	1018.32	1018.22	1017.77
2	1018.14	1018.06	1017.90	1017.88	1017.70	1017.57	1017.76	1018.09	1018.06	1017.90	1017.33	1016.61	
	1016.18	1015.99	1015.97	1015.99	1016.24	1016.55	1016.71	1016.84	1017.10	1017.14	1016.86	1016.69	1017.14
3	1016.44	1016.13	1016.06	1016.14	1016.20	1016.58	1017.07	1017.40	1017.31	1017.03	1016.45	1015.62	
	1015.35	1015.16	1015.19	1015.02	1015.18	1015.64	1015.51	1015.49	1015.57	1015.44	1015.16	1014.92	1015.92
4	1014.83	1014.63	1014.33	1014.30	1014.27	1014.44	1014.95	1015.07	1015.36	1015.41	1014.73	1014.23	
	1013.84	1013.52	1013.37	1013.52	1013.75	1014.06	1013.92	1013.86	1013.90	1014.02	1013.42	1013.20	1014.21
5	1012.90	1012.71	1012.21	1011.84	1011.58	1011.62	1011.81	1012.32	1012.48	1012.16	1011.75	1011.03	
	1010.48	1010.04	1009.44	1008.82	1008.42	1008.92	1009.06	1008.75	1008.39	1007.95	1007.13	1006.49	1010.35
6	1007.77	1008.79	1009.00	1007.90	1007.39	1008.53	1008.87	1009.16	1008.94	1009.22	1009.58	1009.46	
	1009.93	1009.39	1009.66	1010.96	1012.47	1012.12	1012.50	1011.96	1012.40	1012.66	1013.11	1013.34	1010.21
7	1013.32	1013.85	1014.29	1014.39	1014.60	1014.75	1015.28	1015.78	1016.17	1016.47	1016.54	1016.14	
	1016.41	1016.34	1016.30	1016.61	1016.81	1017.33	1017.53	1017.89	1018.33	1018.49	1018.46	1018.55	1016.27
8	1018.38	1018.59	1018.52	1018.43	1018.33	1018.05	1018.32	1018.79	1018.97	1019.22	1018.90	1018.55	
	1018.58	1018.46	1019.37	1020.08	1019.59	1019.34	1019.16	1019.37	1019.52	1019.49	1019.37	1019.32	1018.94
9	1019.36	1019.43	1019.35	1019.44	1019.47	1019.37	1019.64	1019.92	1019.89	1019.92	1019.50	1018.86	
	1018.36	1017.87	1017.77	1017.75	1017.87	1018.08	1018.19	1018.21	1018.42	1018.28	1017.99	1017.64	1018.77
10	1017.39	1017.25	1016.83	1016.77	1016.72	1016.75	1017.16	1017.33	1017.42	1017.26	1016.94	1016.32	
	1015.65	1015.21	1014.93	1014.93	1015.18	1015.38	1015.45	1015.67	1015.88	1016.09	1016.22	1016.24	1016.29
11	1016.32	1016.39	1016.33	1016.36	1016.49	1016.80	1017.36	1017.98	1018.48	1018.84	1018.84	1018.61	
	1018.42	1018.48	1018.91	1019.31	1019.90	1020.46	1020.88	1021.50	1022.18	1022.66	1023.09	1023.38	1019.08
12	1023.58	1023.85	1023.70	1023.84	1023.91	1024.16	1024.58	1025.07	1025.29	1025.34	1024.92	1024.54	
	1024.10	1023.77	1024.01	1024.32	1024.58	1024.96	1025.37	1025.69	1025.89	1026.11	1026.43	1026.48	1024.77
13	1026.58	1026.69	1026.72	1026.80	1026.98	1027.32	1027.86	1028.29	1028.50	1028.58	1028.14	1027.42	
	1026.85	1026.54	1026.28	1026.13	1026.31	1026.43	1026.59	1026.63	1026.87	1026.93	1026.90	1026.45	1027.03
14	1026.00	1025.75	1025.28	1025.09	1024.67	1024.37	1024.53	1024.92	1024.85	1024.65	1024.05	1023.22	
	1022.29	1021.56	1021.14	1020.79	1020.86	1020.92	1020.86	1020.86	1020.89	1020.78	1020.61	1020.30	1022.88
15	1020.01	1019.72	1019.25	1018.98	1018.67	1018.44	1018.74	1019.11	1019.19	1018.92	1018.15	1017.44	
	1016.74	1016.17	1016.00	1015.83	1016.11	1016.40	1016.64	1016.92	1017.16	1017.35	1017.61	1017.57	1017.80
16	1017.35	1017.24	1017.04	1017.06	1017.09	1017.37	1017.79	1018.19	1018.42	1018.52	1018.14	1017.73	
	1017.64	1017.40	1017.56	1017.83	1018.34	1018.68	1018.99	1019.31	1019.76	1019.86	1020.06	1020.26	1018.23
17	1020.37	1020.55	1020.48	1020.50	1020.72	1021.14	1021.50	1021.87	1022.11	1022.24	1022.04	1021.86	
	1021.53	1021.39	1021.48	1021.67	1022.08	1022.43	1022.65	1022.99	1023.33	1023.62	1023.60	1023.62	1021.91
18	1023.54	1023.63	1023.36	1023.40	1023.48	1023.63	1023.97	1024.47	1024.54	1024.69	1024.27	1023.72	
	1023.23	1022.91	1022.70	1022.32	1022.26	1022.53	1022.78	1023.10	1023.44	1023.48	1023.58	1023.46	1023.44
19	1023.21	1022.89	1022.46	1022.48	1022.72	1022.88	1022.97	1023.28	1023.49	1023.43	1022.88	1022.09	
	1022.41	1021.03	1021.05	1021.10	1021.34	1021.55	1021.76	1022.05	1022.33	1022.53	1022.46	1022.26	1022.32
20	1021.04	1021.98	1021.89	1021.97	1021.91	1022.03	1022.21	1022.49	1022.51	1022.68	1022.18	1021.53	
	1020.90	1020.40	1020.19	1020.14	1020.31	1020.59	1020.88	1021.10	1021.03	1021.01	1020.93	1020.68	1021.40
21	1020.33	1020.03	1019.65	1019.47	1019.30	1019.35	1019.79	1020.00	1019.98	1019.90	1019.30	1018.51	
	1017.61	1017.10	1016.68	1016.38	1016.22	1016.20	1016.24	1015.98	1015.94	1015.83	1015.73	1015.61	1017.96
22	1015.71	1015.52	1014.60	1013.87	1013.35	1012.90	1013.22	1013.67	1013.82	1013.78	1013.28	1012.87	
	1012.60	1012.14	1012.03	1012.23	1012.34	1012.88	1013.31	1013.54	1013.90	1014.12	1014.17	1014.04	1013.49
23	1013.58	1013.65	1013.59	1013.66	1013.63	1013.98	1014.55	1014.99	1015.39	1015.53	1015.47	1015.23	
	1015.21	1015.71	1015.91	1016.13	1016.30	1016.75	1017.57	1018.03	1018.58	1019.12	1019.69	1019.86	1015.92
24	1019.99	1020.31	1020.50	1020.53	1020.67	1021.07	1021.77	1022.51	1022.90	1023.05	1022.94	1022.61	
	1022.42	1022.38	1022.38	1022.47	1022.78	1023.23	1023.80	1024.27	1024.65	1024.73	1024.80	1024.69	1022.56
25	1024.72	1024.77	1024.68	1024.61	1024.73	1024.92	1025.22	1025.68	1025.95	1026.06	1025.69	1025.12	
	1024.64	1024.44	1024.24	1024.18	1024.51	1024.79	1024.94	1024.99	1025.15	1025.22	1025.23	1025.05	1024.98
26	1025.11	1025.07	1024.71	1024.70	1024.82	1025.23	1025.61	1026.30	1026.70	1026.92	1026.61	1025.94	
	1025.21	1025.17	1025.15	1025.14	1025.29	1025.87	1026.16	1026.69	1027.19	1027.33	1027.37	1027.39	1025.90
27	1027.22	1027.28	1027.44	1027.29	1027.19	1027.28	1027.57	1027.85	1028.17	1028.19	1027.55	1026.86	
	1026.25	1025.71	1025.34	1025.13	1025.13	1025.11	1025.21	1025.59	1025.75	1025.66	1025.65	1025.58	1026.50
28	1025.52	1025.50	1025.23	1024.83	1024.77	1024.96	1025.39	1025.61	1025.69	1025.41	1024.76	1024.22	
	1023.51	1023.15	1023.05	1023.33	1023.61	1023.82	1023.99	1024.03	1023.91	1023.88	1023.93	1023.98	1024.42
29	1023.93	1023.86	1023.73	1023.58	1023.36	1023.43	1023.63	1023.91	1024.12	1024.17	1023.71	1023.10	
	1022.54	1022.42	1022.48	1022.59	1022.79	1023.10	1023.52	1023.84	1024.03	1024.25	1024.49	1024.40	1023.54
30	1024.55	1024.60	1024.52	1024.60	1024.85	1025.36	1025.80	1026.24	1026.72	1026.87	1026.41	1026.01	
	1025.67	1025.33	1025.41	1025.68	1025.97	1026.18	1026.66	1027.01	1027.43	1027.52	1027.40	1027.36	1026.01
MONTHLY AVG	1019.87 1019.35	1019.89 1019.07	1019.71 1019.03	1019.61 1019.11	1019.57 1019.33	1019.74 1019.59	1020.11 1019.81	1020.50 1020.00	1020.66 1020.24	1020.69 1020.33	1020.30 1020.33	1019.76 1020.23	1019.87

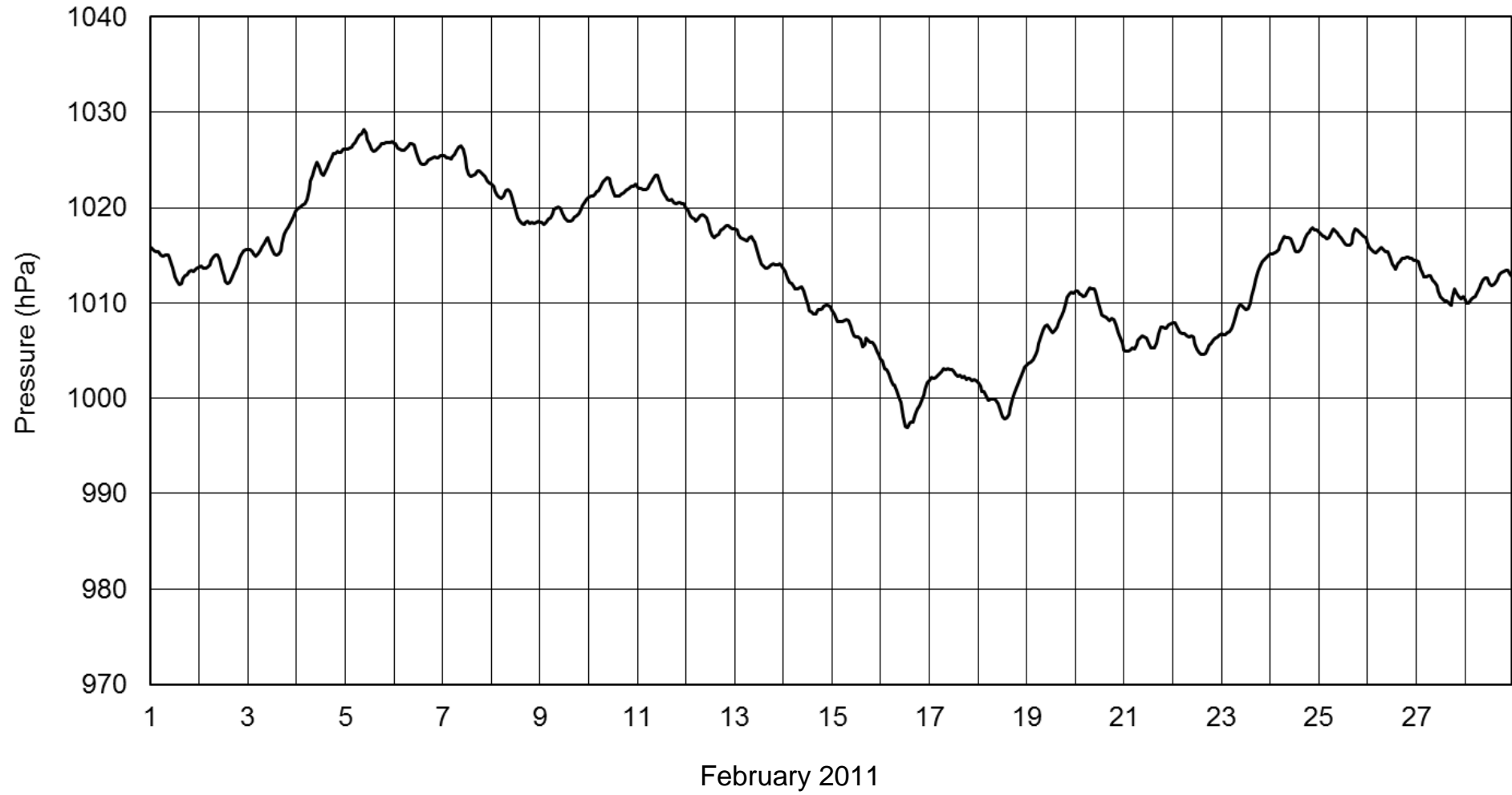
S.V.I.R.CO. Observatory - Rome (41.86° N - 12.47° E, s.l.)
 Pressure in hectoPascal - December 2011

UT DAY	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24	DAILY AVG
1	1027.30	1027.25	1027.15	1027.12	1027.12	1027.46	1027.68	1027.82	1027.99	1027.99	1027.39	1026.67	
	1025.98	1025.52	1025.48	1025.56	1025.70	1025.91	1026.19	1026.31	1026.40	1026.27	1025.87	1025.36	1026.65
2	1025.03	1024.96	1024.44	1023.99	1023.80	1023.66	1023.56	1023.69	1023.76	1023.72	1023.13	1022.47	
	1021.69	1021.17	1021.02	1021.19	1021.08	1021.14	1021.26	1021.40	1021.60	1021.54	1021.46	1021.04	1022.58
3	1020.88	1020.66	1020.38	1020.03	1019.79	1019.89	1020.20	1020.31	1020.41	1020.50	1019.92	1019.37	
	1018.80	1018.39	1018.41	1018.23	1018.24	1018.39	1018.51	1018.30	1018.12	1017.66	1017.62	1017.12	1019.17
4	1016.87	1016.76	1016.39	1016.24	1016.33	1016.29	1016.32	1016.35	1016.45	1016.45	1015.97	1015.50	
	1015.13	1014.87	1014.92	1015.30	1015.33	1015.43	1015.64	1015.94	1015.78	1015.71	1015.48	1014.77	1015.84
5	1014.37	1014.00	1013.18	1012.48	1011.95	1011.84	1011.67	1011.48	1011.47	1011.61	1010.79	1010.11	
	1009.68	1009.27	1009.12	1008.77	1008.59	1008.59	1008.60	1008.55	1008.49	1008.42	1008.39	1008.37	1010.41
6	1008.12	1008.23	1008.40	1008.95	1009.59	1010.45	1010.58	1010.98	1011.47	1011.52	1011.51	1011.47	
	1011.37	1011.14	1011.70	1012.30	1013.03	1013.33	1014.12	1014.70	1014.64	1014.85	1014.74	1014.89	1011.75
7	1015.39	1015.73	1015.67	1015.56	1015.66	1016.19	1016.73	1017.44	1018.35	1018.64	1018.33	1018.31	
	1017.94	1017.74	1017.73	1017.81	1017.96	1017.92	1017.76	1017.73	1017.74	1017.72	1017.77	1017.90	1017.32
8	1017.54	1017.46	1017.52	1017.61	1017.70	1018.12	1019.11	1019.55	1020.21	1020.87	1020.64	1020.34	
	1020.29	1020.16	1020.43	1020.86	1021.27	1021.73	1022.33	1022.96	1023.12	1023.24	1023.32	1023.35	1020.41
9	1023.32	1023.58	1023.37	1023.27	1023.32	1023.51	1023.63	1023.93	1024.17	1024.26	1023.68	1023.17	
	1022.54	1022.10	1022.06	1022.01	1021.88	1021.70	1021.59	1021.32	1021.18	1021.01	1020.79	1020.36	1022.57
10	1020.22	1019.78	1019.27	1018.90	1018.59	1018.72	1019.04	1019.14	1019.27	1019.30	1018.71	1018.28	
	1017.95	1017.42	1017.22	1017.15	1017.39	1017.44	1017.46	1017.48	1017.32	1017.32	1017.20	1017.20	1018.24
11	1017.17	1017.18	1016.85	1016.61	1016.71	1016.93	1017.12	1017.61	1018.24	1018.66	1018.41	1017.93	
	1017.67	1017.53	1017.54	1017.72	1017.84	1018.06	1018.38	1018.25	1018.11	1018.02	1017.89	1017.58	1017.67
12	1017.20	1016.71	1015.96	1016.00	1015.31	1015.83	1015.85	1015.74	1015.80	1015.77	1015.31	1014.52	
	1013.61	1013.06	1013.11	1013.23	1013.20	1013.15	1013.15	1012.94	1013.04	1013.28	1013.72	1013.36	1014.54
13	1013.13	1013.87	1014.31	1014.55	1014.94	1015.37	1016.12	1017.08	1017.84	1018.21	1018.31	1018.22	
	1017.76	1017.73	1018.11	1018.19	1018.56	1019.04	1019.52	1019.46	1019.65	1019.62	1019.69	1019.82	1017.46
14	1019.52	1019.30	1019.17	1018.82	1018.47	1018.67	1018.96	1018.88	1019.25	1019.53	1018.93	1018.18	
	1017.63	1017.13	1017.09	1017.10	1017.35	1017.55	1017.59	1017.63	1017.69	1017.79	1017.91	1017.92	1018.25
15	1017.59	1017.50	1017.13	1016.94	1016.94	1017.19	1017.20	1017.37	1017.37	1017.47	1017.08	1016.16	
	1015.71	1015.67	1015.56	1016.09	1016.38	1016.43	1016.49	1016.91	1017.02	1017.68	1018.17	1017.96	1016.92
16	1017.84	1017.78	1017.89	1017.41	1016.97	1016.39	1016.21	1015.47	1015.06	1014.62	1013.59	1011.80	
	1009.92	1008.50	1007.36	1006.20	1004.45	1003.02	1001.64	1000.45	998.87	997.53	996.69	996.20	1009.24
17	996.84	996.65	997.26	997.22	997.54	998.06	998.51	999.57	1000.63	1001.00	1002.48	1003.06	
	1002.99	1002.92	1003.56	1004.62	1004.89	1005.13	1005.68	1006.16	1006.64	1006.88	1007.29	1007.11	1002.20
18	1006.93	1007.05	1006.75	1006.49	1006.58	1006.68	1007.12	1007.01	1007.22	1007.08	1006.13	1005.17	
	1004.82	1004.88	1005.29	1005.47	1005.67	1005.97	1006.36	1006.37	1006.41	1006.68	1006.77	1006.85	1006.32
19	1006.87	1007.01	1006.99	1007.17	1007.55	1007.89	1008.70	1009.26	1009.79	1010.36	1010.10	1010.01	
	1009.82	1009.84	1010.52	1010.96	1011.57	1012.02	1012.55	1012.71	1013.02	1013.29	1013.38	1013.42	1010.20
20	1013.55	1014.00	1014.17	1013.99	1014.32	1014.96	1015.43	1015.80	1016.12	1016.23	1015.71	1014.93	
	1014.30	1013.72	1013.32	1012.98	1012.40	1012.03	1011.70	1011.58	1011.33	1010.92	1010.52	1010.13	1013.50
21	1010.05	1010.02	1010.08	1010.20	1010.55	1011.05	1011.72	1012.15	1012.64	1012.78	1012.50	1012.10	
	1011.81	1011.66	1011.65	1011.76	1012.21	1012.69	1012.91	1013.14	1013.18	1013.33	1013.37	1013.32	1011.95
22	1013.40	1013.84	1013.87	1014.01	1014.43	1014.87	1015.47	1016.21	1016.92	1017.15	1016.85	1016.36	
	1015.88	1015.80	1016.20	1016.47	1016.98	1017.41	1017.97	1018.20	1018.19	1018.36	1018.40	1018.36	1016.32
23	1018.46	1018.82	1018.62	1018.37	1018.66	1019.07	1019.57	1019.86	1020.29	1020.33	1019.88	1019.34	
	1018.84	1018.54	1018.58	1018.92	1019.14	1019.84	1020.27	1020.67	1020.78	1020.68	1020.09	1019.69	1019.47
24	1019.20	1019.27	1019.03	1018.70	1018.23	1018.02	1018.05	1017.39	1017.03	1016.32	1015.44	1014.08	
	1013.11	1012.36	1011.73	1011.17	1010.86	1011.16	1011.26	1011.25	1011.35	1012.15	1012.92	1013.05	1014.72
25	1013.35	1014.38	1015.02	1015.41	1016.10	1016.99	1017.93	1019.15	1020.38	1021.31	1021.67	1021.64	
	1021.70	1022.19	1022.81	1023.35	1024.02	1024.46	1024.91	1025.57	1026.18	1026.77	1027.10	1027.23	1021.23
26	1027.49	1027.92	1028.17	1028.43	1028.54	1028.98	1029.44	1029.81	1030.11	1030.25	1030.05	1029.24	
27													
28													
29													
30													
31													
MONTHLY AVG	1016.06	1016.14	1016.04	1015.94	1015.99	1016.27	1016.61	1016.89	1017.24	1017.38	1017.02	1016.48	
	1015.48	1015.17	1015.22	1015.34	1015.44	1015.58	1015.75	1015.84	1015.83	1015.87	1015.86	1015.69	1015.80

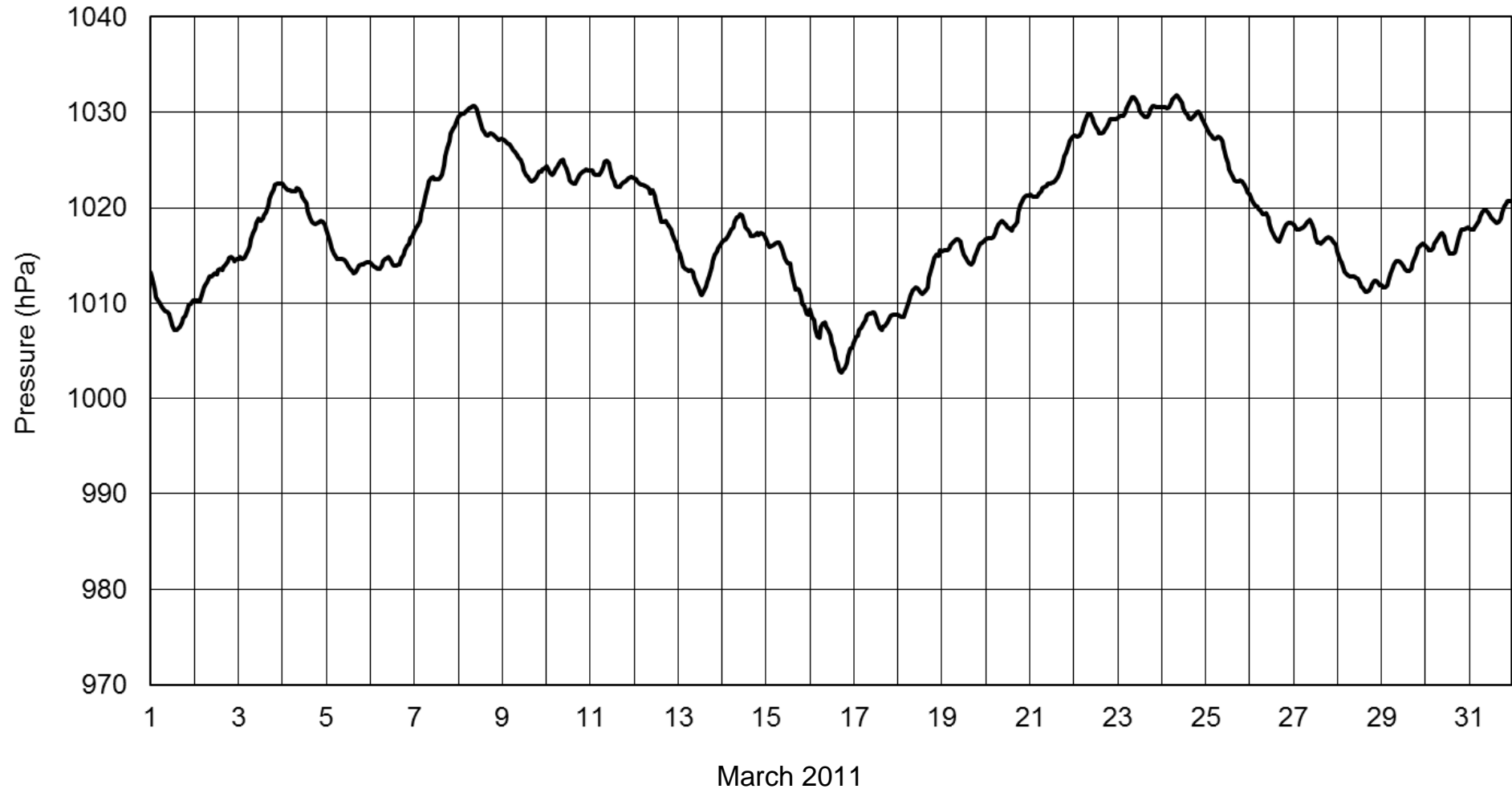
SVIRCO OBSERVATORY - Pressure in hectoPascal



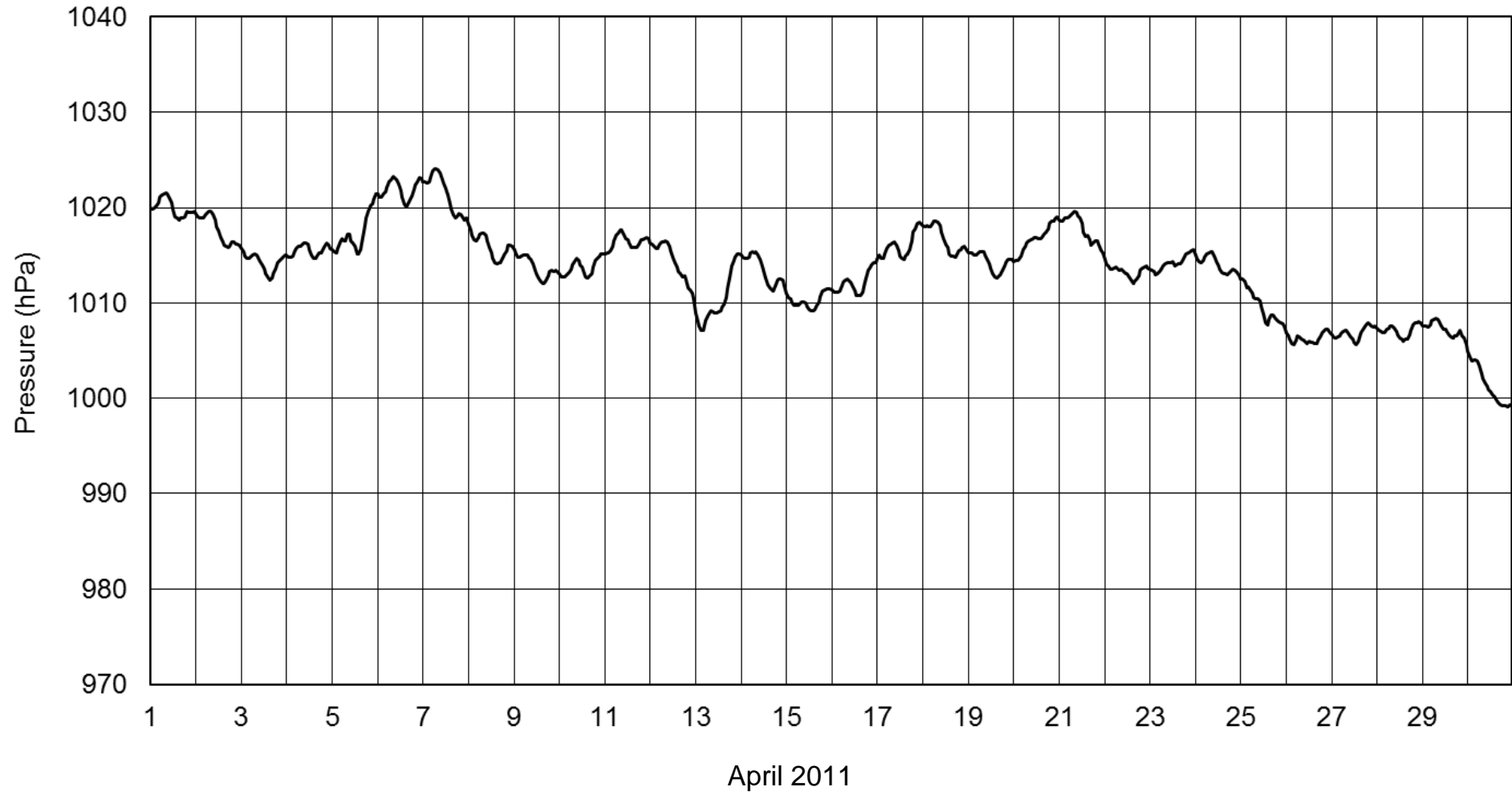
SVIRCO OBSERVATORY - Pressure in hectoPascal



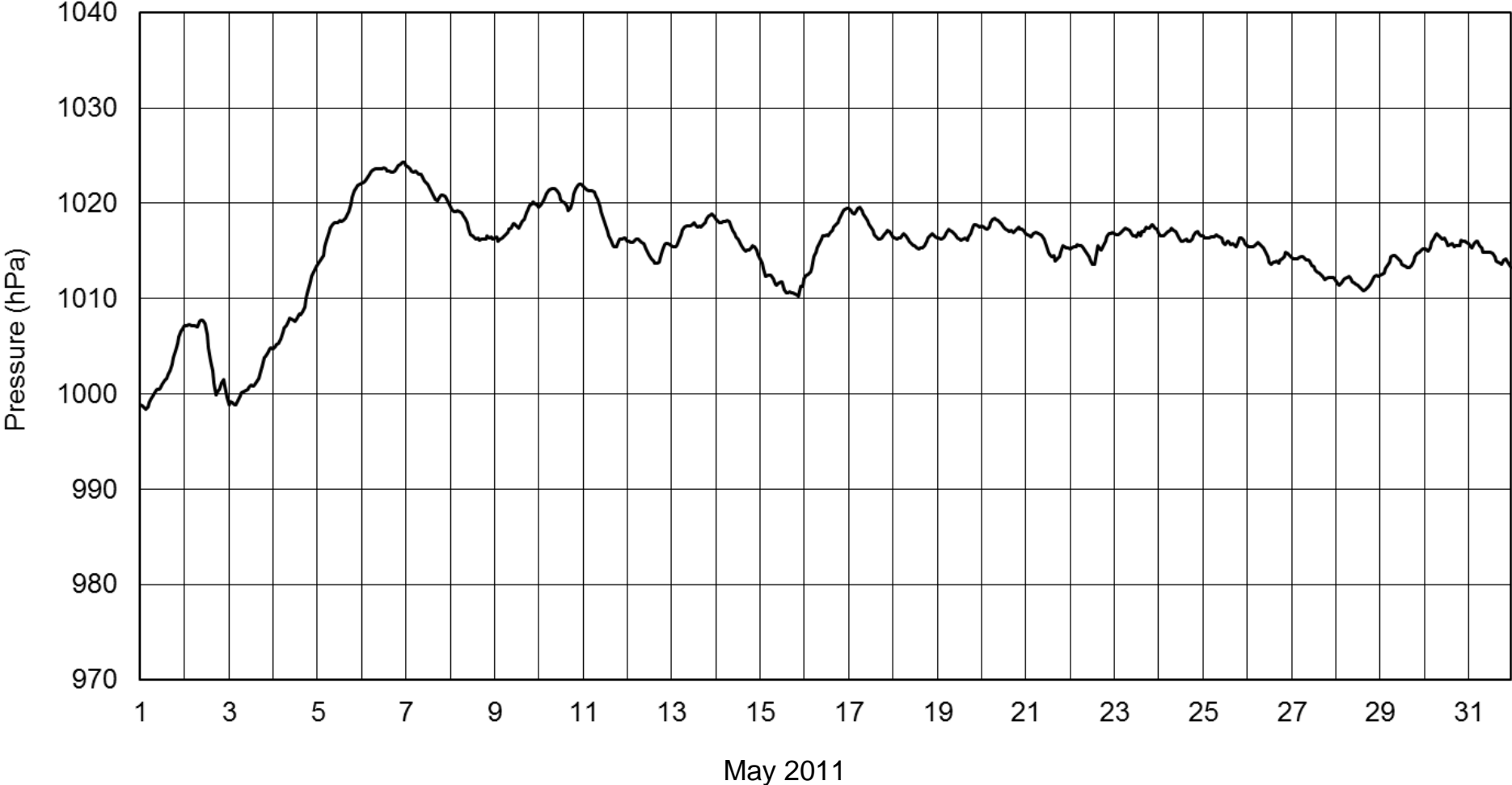
SVIRCO OBSERVATORY - Pressure in hectoPascal



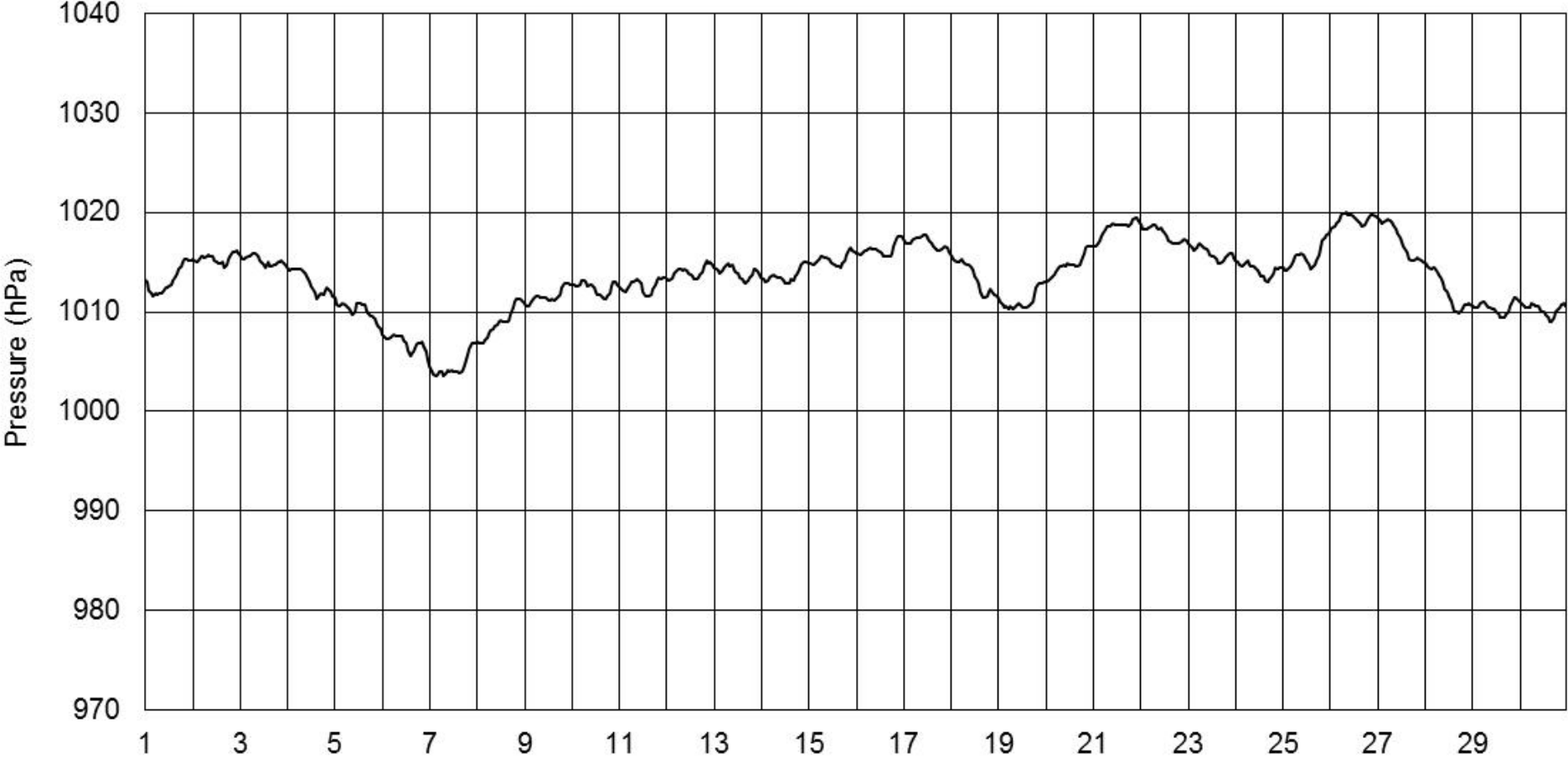
SVIRCO OBSERVATORY - Pressure in hectoPascal



SVIRCO OBSERVATORY - Pressure in hectoPascal

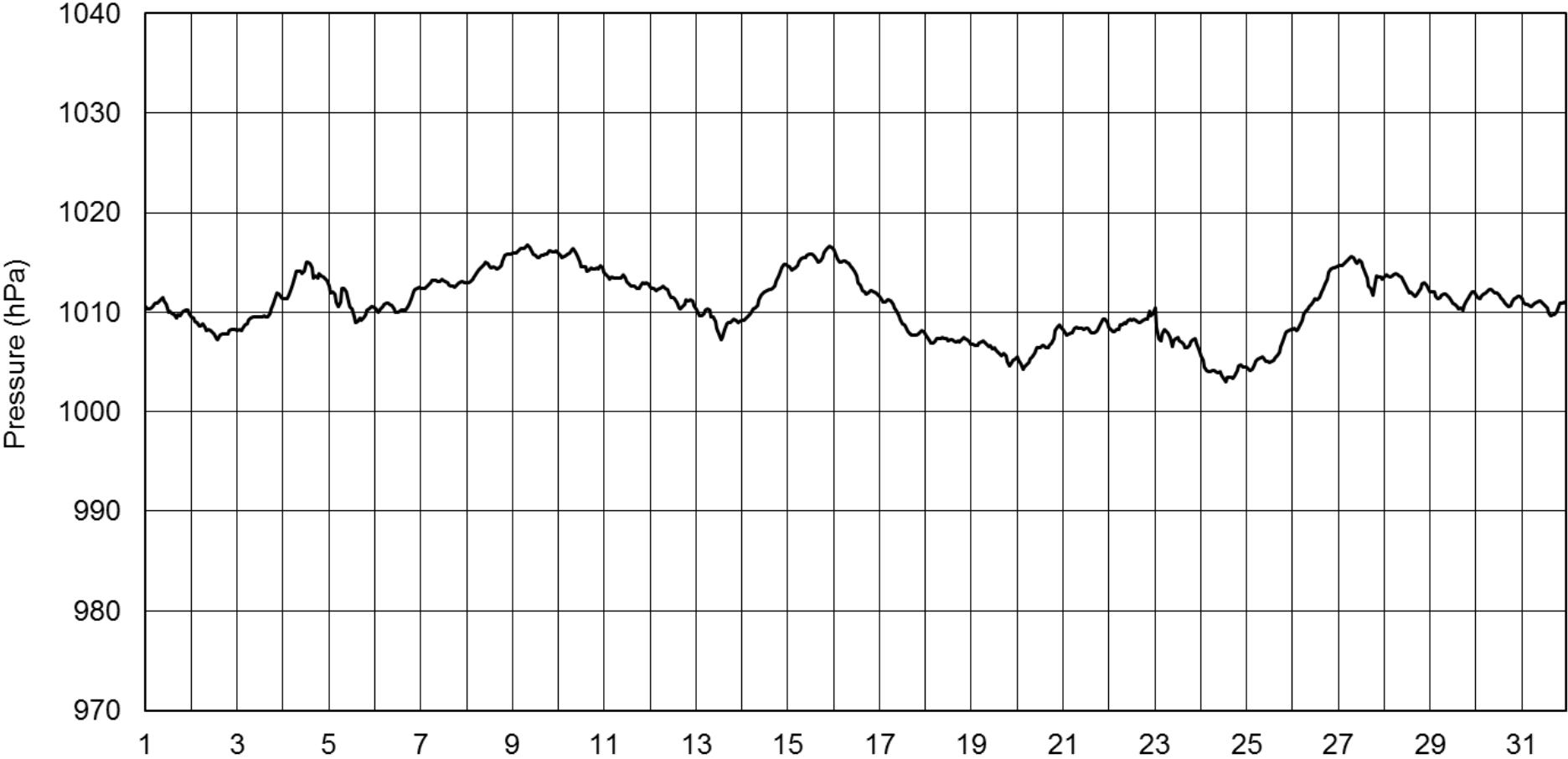


SVIRCO OBSERVATORY - Pressure in hectoPascal



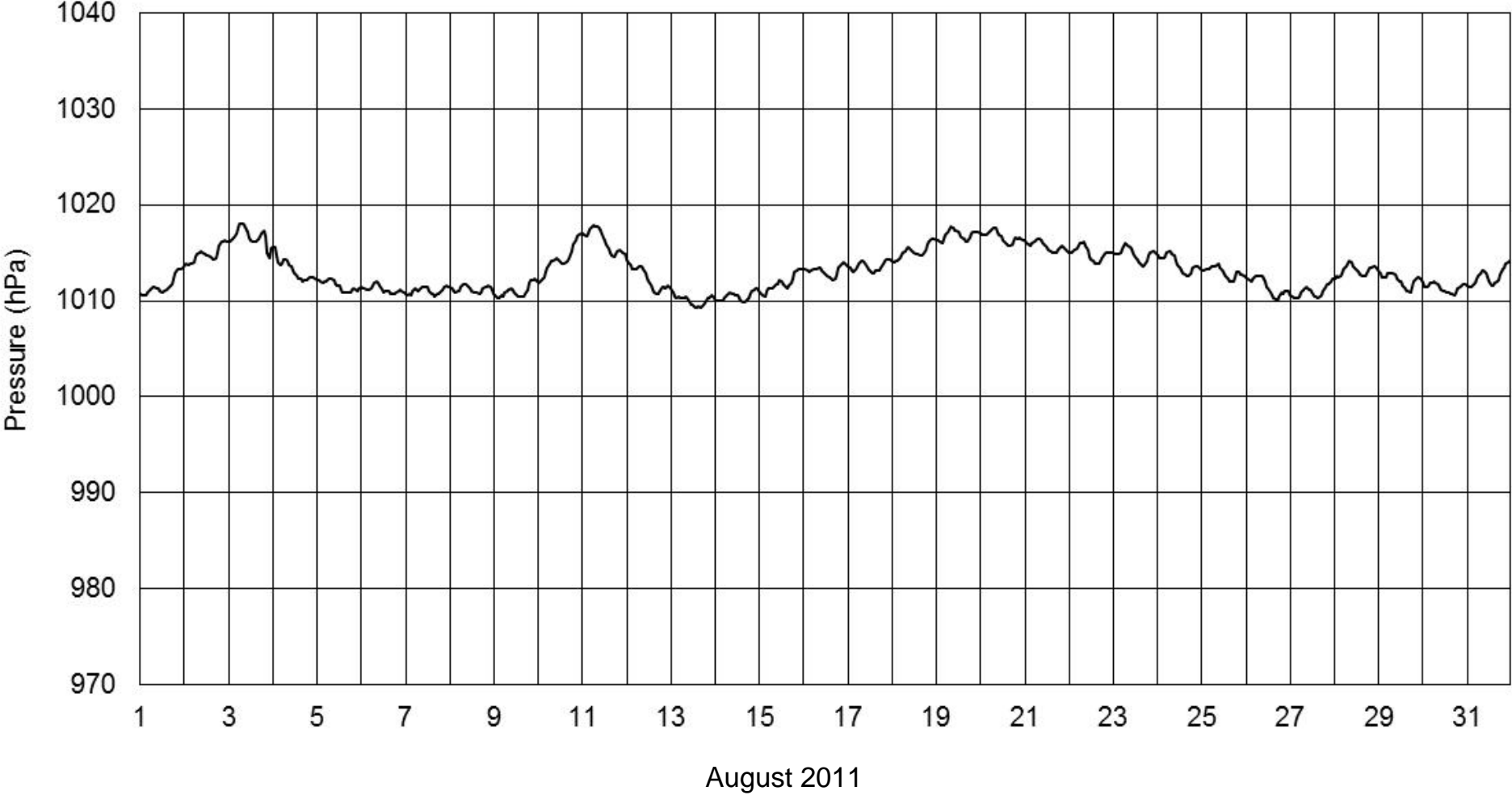
June 2011

SVIRCO OBSERVATORY - Pressure in hectoPascal

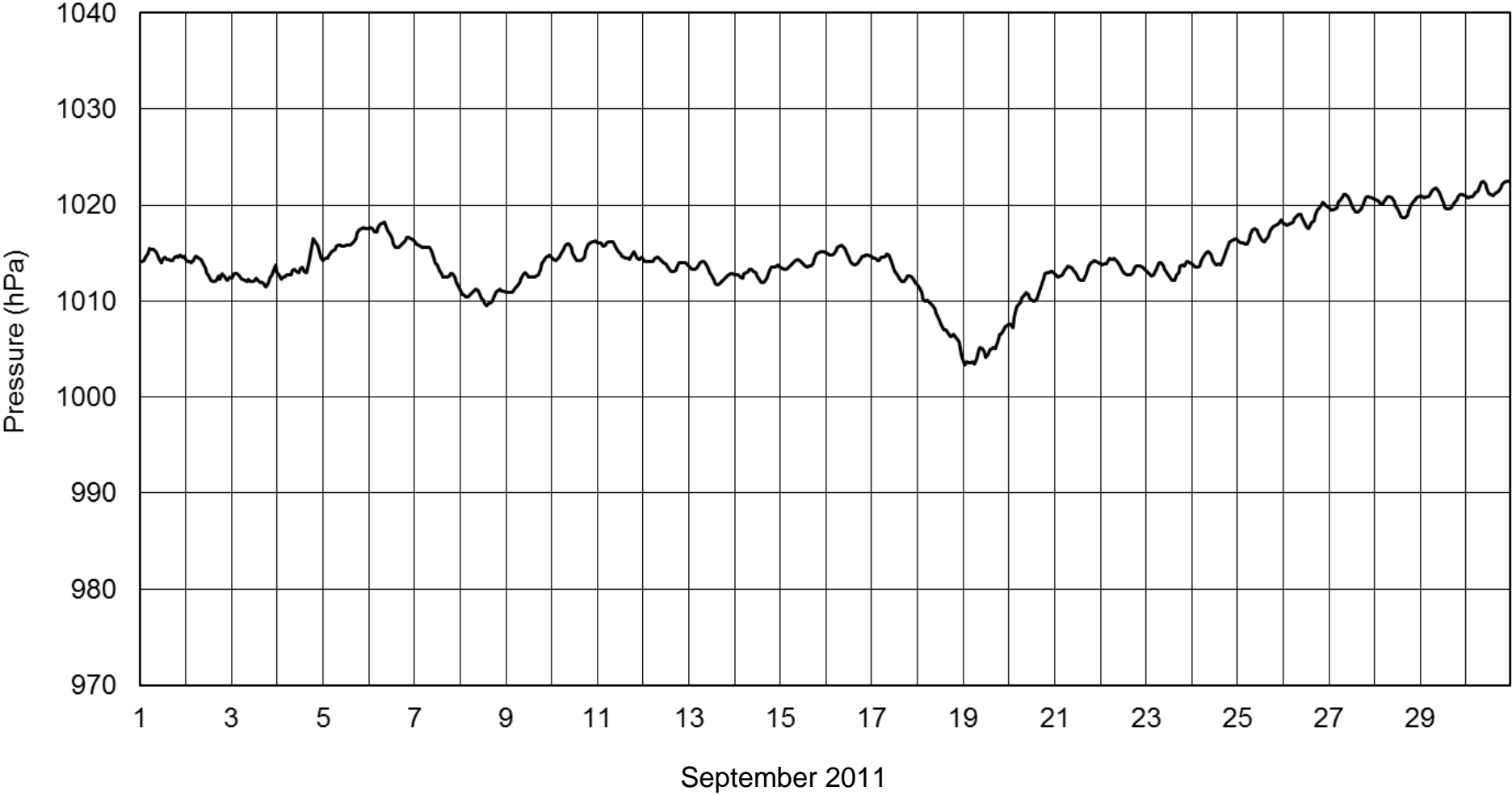


July 2011

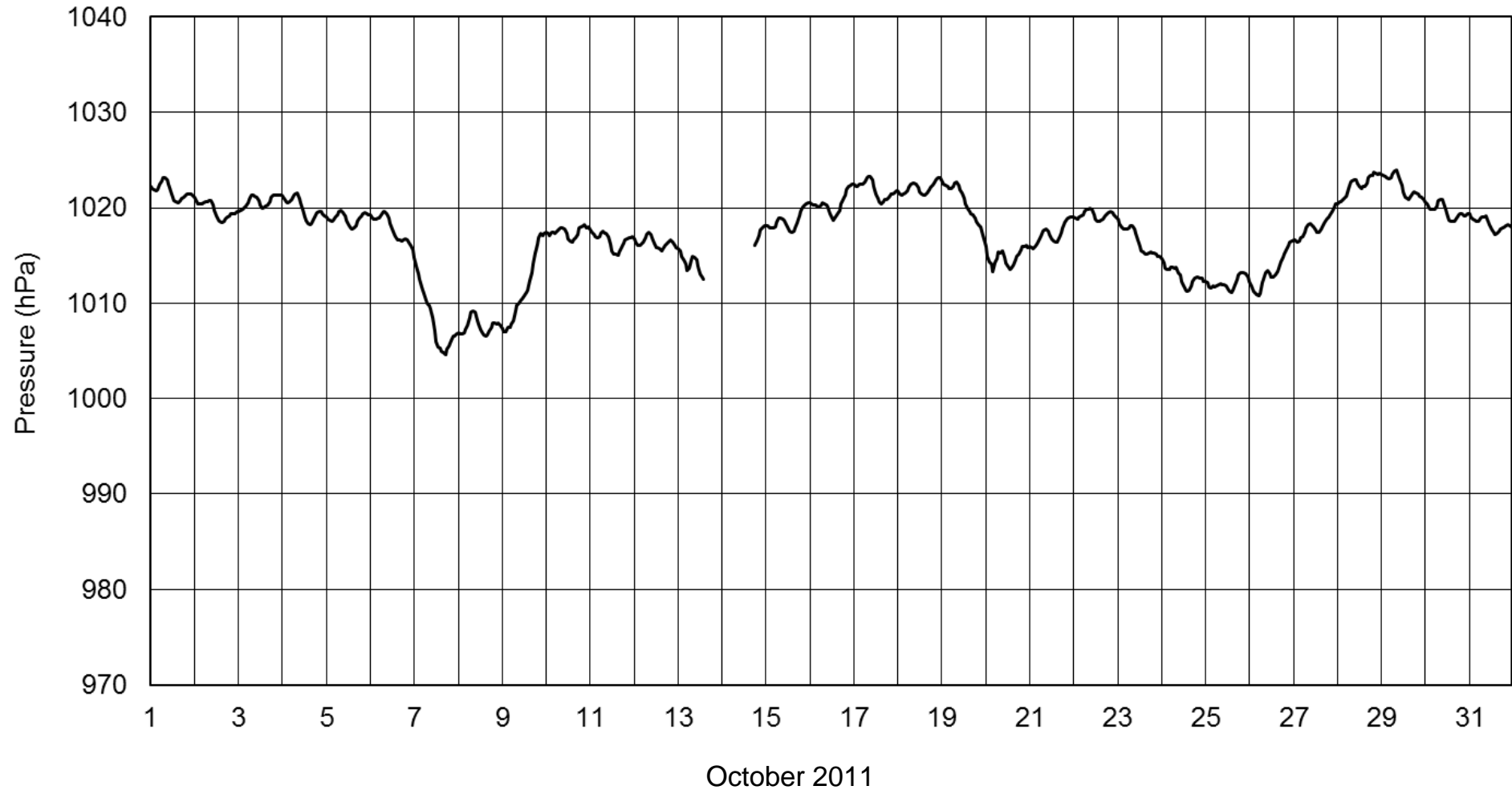
SVIRCO OBSERVATORY - Pressure in hectoPascal



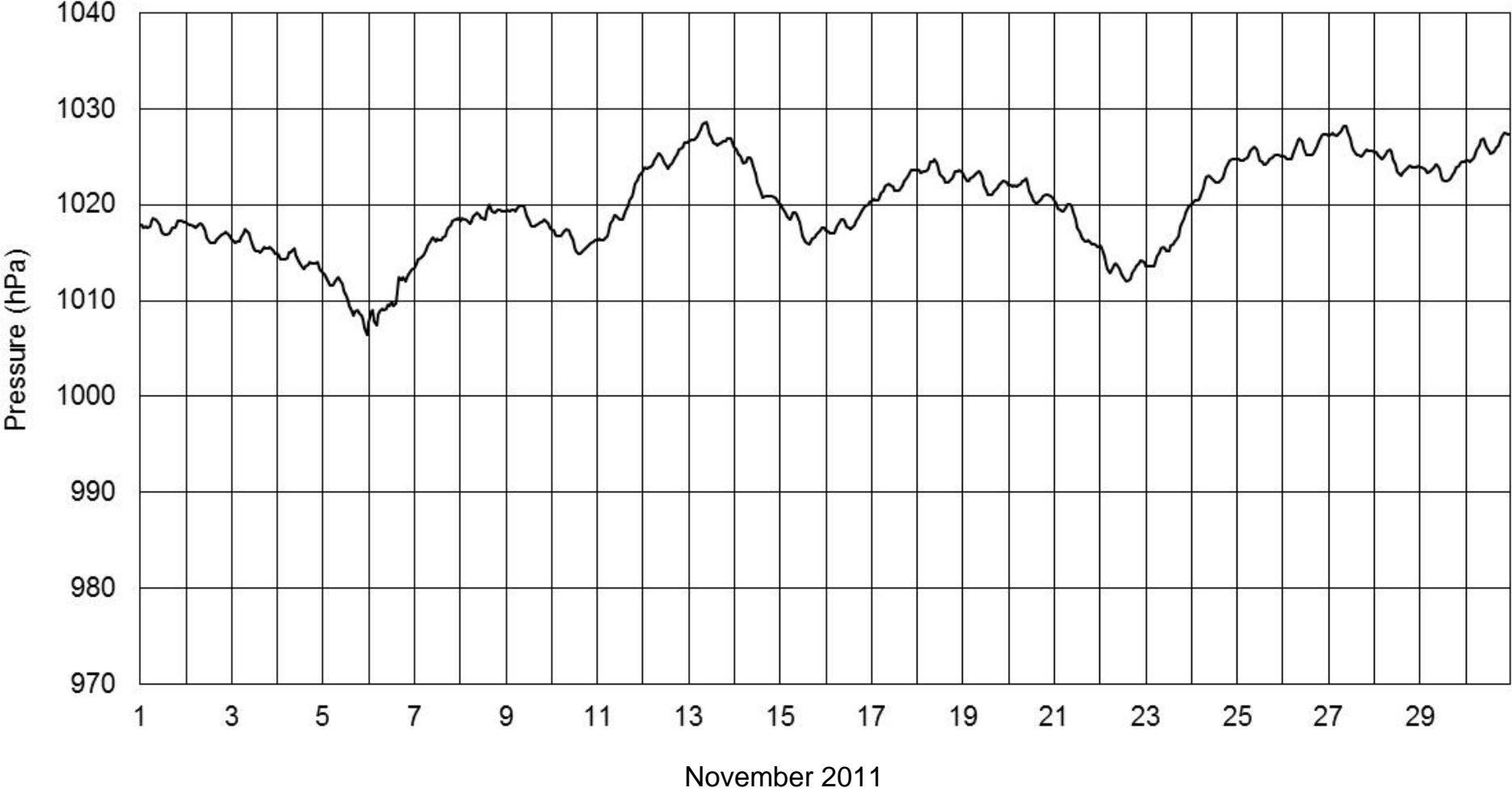
SVIRCO OBSERVATORY - Pressure in hectoPascal



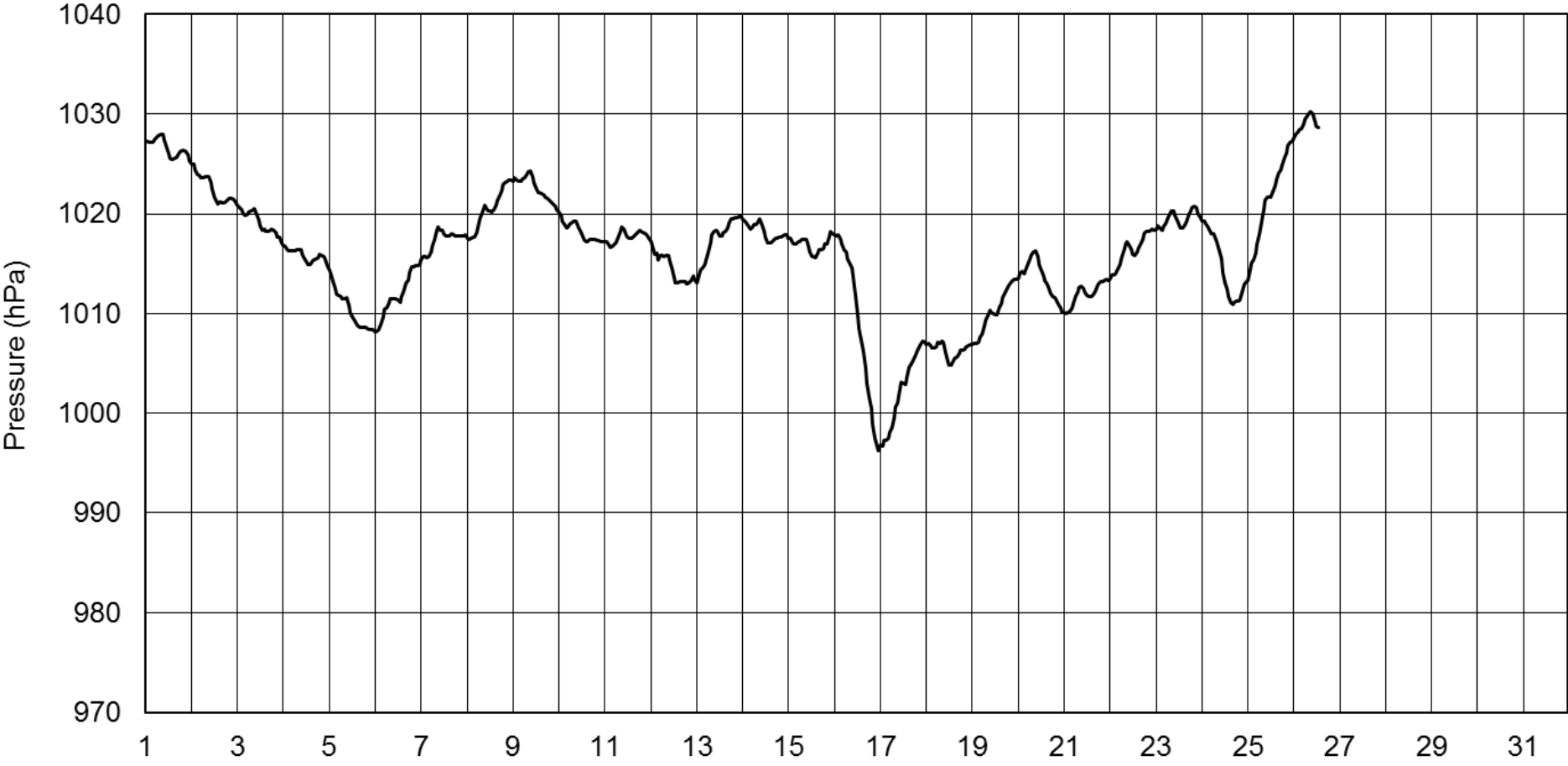
SVIRCO OBSERVATORY - Pressure in hectoPascal



SVIRCO OBSERVATORY - Pressure in hectoPascal

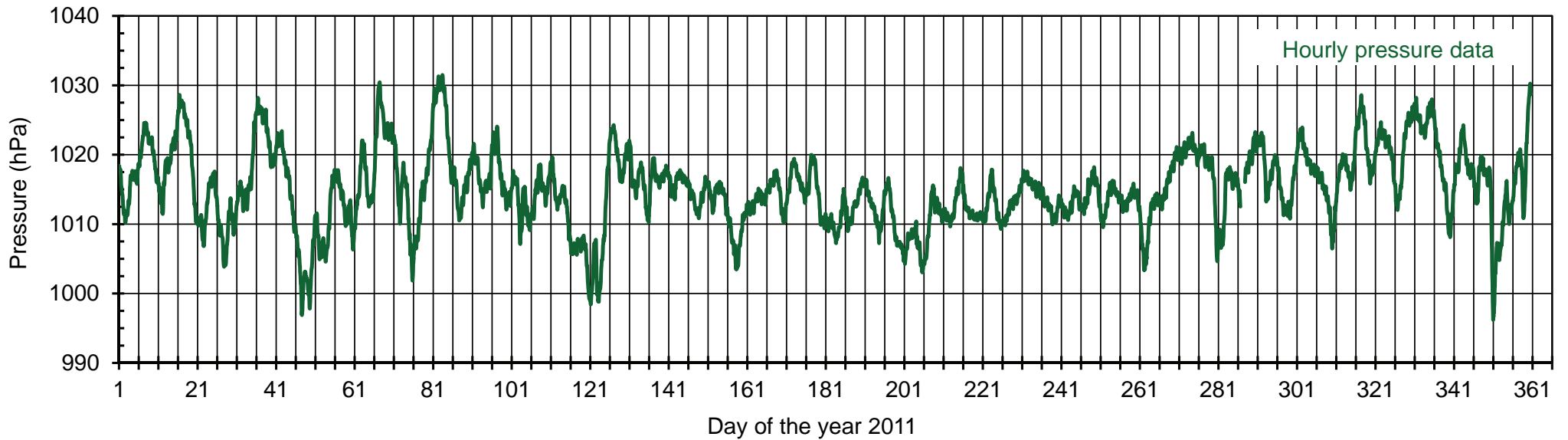
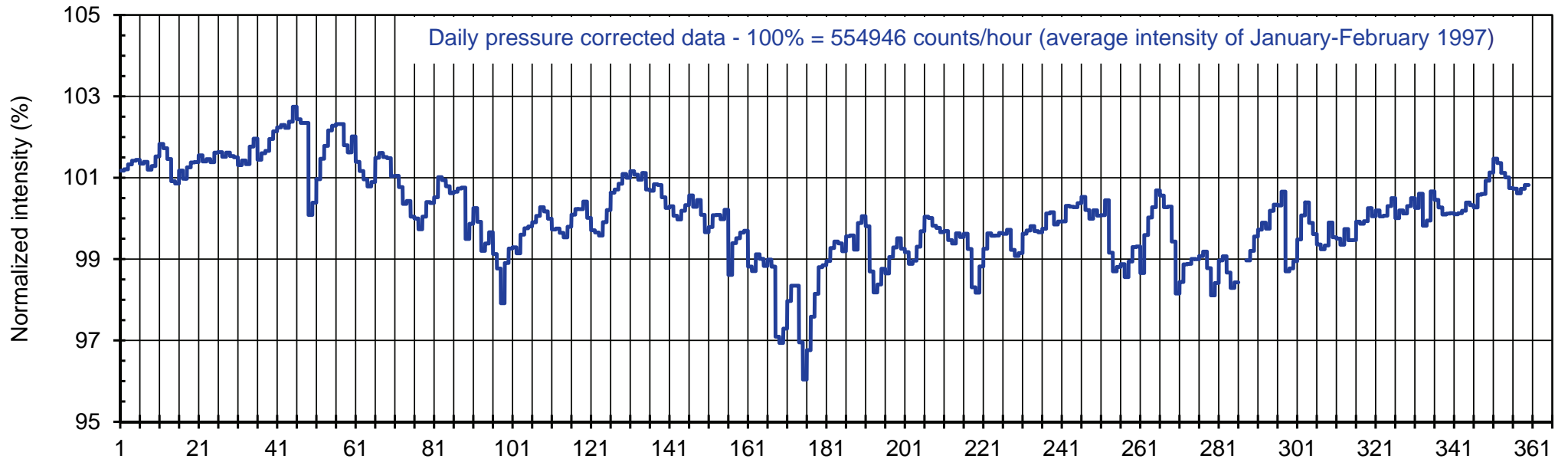


SVIRCO OBSERVATORY - Pressure in hectoPascal



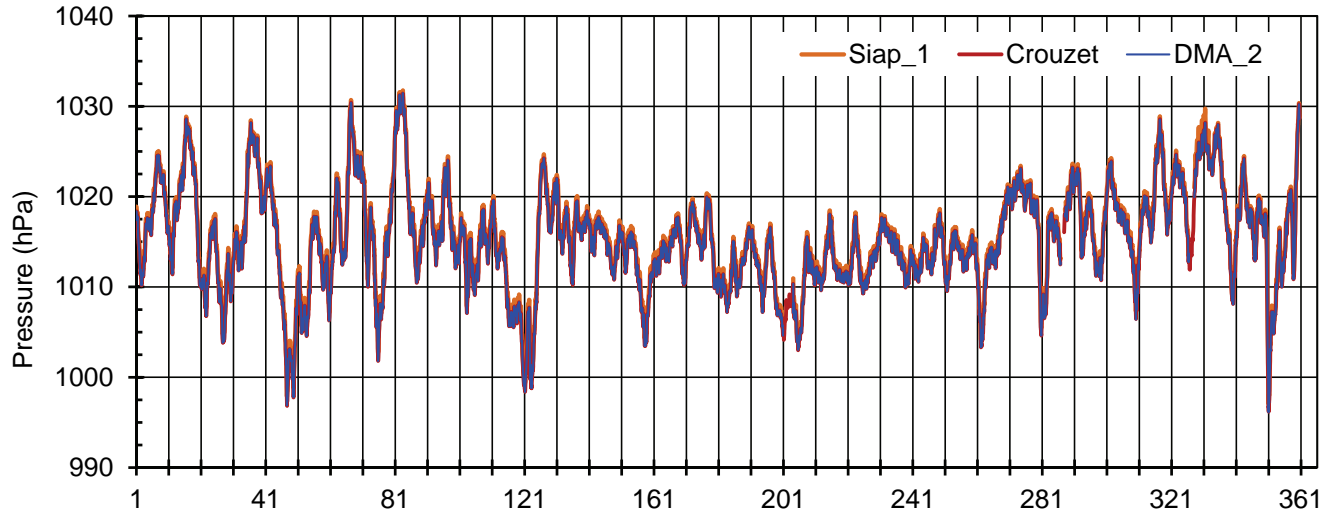
December 2011

SVIRCO Observatory - Rome



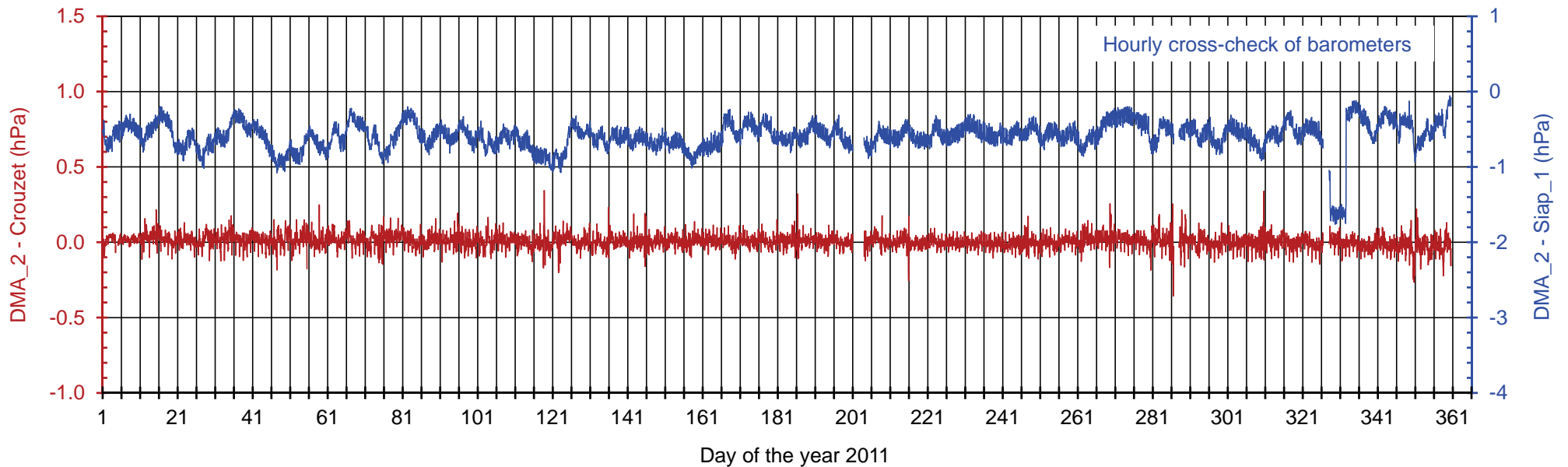
SVIRCO Observatory - Rome

Atmospheric pressure measurements and check of barometers (hourly data)



Barometers operating at SVIRCO - Rome

Instrument	Transducer	Resolution	Accuracy
DMA_1	vibrating cylinder	0.01 hPa	0.04 hPa
DMA_2	vibrating cylinder	0.01 hPa	0.05 hPa
Crouzet	quartz	0.01 hPa	0.08 hPa
Siap_1	aneroid	0.1 hPa	0.5 hPa
Siap_2	quartz	0.1 hPa	1 hPa



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