City of Long Beach
Working Together to Serve

Memorandum

Date: June 28, 2019

To: Mayor and Members of the City Council

From: Patrick H. West, City Manager PW

Subject: **Special Events Sound Study**

At its June 20, 2017 meeting, at the request of Councilmember Jeannine Pearce, and approval by the full City Council, the City Manager was directed to study the feasibility of allowing permitted outdoor street performing events with amplified sound in the Downtown Long Beach and surrounding neigborhoods, as well as examine and make recommendations for supporting street performers and low-volume music venues. At its April 17, 2018 meeting, the City Council also requested that staff conduct a sound study to determine the impact of outdoor events and entertainment.

The Special Events and Filming Office and other City departments, have been working closely with RRM Design Group (RRM) to develop a comprehensive Special Events Sound Study with recommended actions. RRM is the same consultant being used by the Development Services Department to examine and update the City's General Plan Noise Element (Noise Element).

The Special Events Sound Study has been completed and the comprehensive report is attached for your review. As was mentioned in the February 7, 2019 memorandum to the City Council, the findings of the Special Events Sound Study will inform the recommendations for both the Street Performer and Low Volume Entertainment Studies. These studies will be completed in September of this year. The update of the entire Noise Element is a far more intensive process, requiring more time to complete.

Scope of the Special Events Sound Study

The City Council request for a Special Events Sound Study (Study) included the following:

- Request the City Manager study the impact of amplified sound from City-permitted outdoor events in Downtown Long Beach on adjacent residences and neighborhoods.
- Request the City Manager make recommendations to help address concerns associated with amplified volume on adjacent residences and nearby businesses.
- Research should consider the regulation of amplified sound at special events in outdoor music venues in the Downtown area and consider exploration of low volume and less intrusive options for sound regulation including the use of acoustical barriers.
- Consider time periods, days, and frequency for amplified sound.
- Review of current and potential permit procedures.
- Review citing for noncompliance.

- Review noise measurements, including measurements of bass (low frequency) sounds, at residential buildings adjacent to outdoor special events.
- Seek information from surrounding cities and review their procedures as it relates to outdoor events and amplified sound.
- Review existing compliance process.
- Review current policies.
- Research on how to manage/contain amplified sounds from City-permitted outdoor events and set-up and take-down for these events.
- Consider best practices on how to balance programming with resident and business considerations.
- Conduct an exploration of California Noise Law 46000 and its relation to Special Events and the current City of Long Beach Noise Ordinance, specifically LBMC 8.80.010; 8.80.150; 8.80.160; 8.80.280; and 8.80.320.

Comparison to Other Special Event Cities

During the Study, RRM researched and compared the City's procedures to those of Austin, TX, Nashville, TN, Pasadena, CA, and Seattle, WA. RRM chose these cities due to their similarity in size and number and type of special events. (Long Beach hosts more than 200 special events annually.) RRM also compared Long Beach's current policies and practices to those of the aforementioned cities and provided key findings and options for advancing the City's current policies.

Community Input

In addition to researching other cities, on October 17, 2018, RRM met with members of Ocean Residents Community Association (ORCA), the Downtown Long Beach Alliance (DLBA), the Belmont Shore Resident's Association, local Long Beach nonprofits (including Long Beach Forward), music stakeholders, and relevant City departments to receive input to inform the Study. In the meeting, groups were asked to work together to share their opinions and thoughts. As one of the most active groups in the City related to noise, the City specifically engaged ORCA to provide feedback into this Study. ORCA presented an informational sheet with their input on Special Events. The document highlights included the following:

- Events should be limited to two per year per neighborhood;
- Dedicated officials to respond to noise that exceeds limits;
- Limit exempted outdoor entertainment to 70 decibles;
- Require outdoor entertainment to end no later than 10:00 p.m. on Friday and Saturday, and 8:00 p.m., Sunday through Thursday;
- Require entertainment with bass to be held indoors;
- Events may not occur within two miles of residents, if held outdoors; and,
- Create a process that includes the neighborhood association in approving permits.

On May 30, 2019, the Development Services Department and RRM followed up with an overview of the entire Noise Element. At this time, residents were given the opportunity to read a general overview of the Study and make comments to be delivered back to the RRM. Approximately 20 people attended this meeting.

Conducting Sound Readings

Over the past year, Special Events and Filming, in conjunction with the Health and Human Services Department, has been conducting sound readings with specialized calibrated equipment at various locations adjacent to major special events and music festivals to inform the Study and provide actual baselines for noise of events to better manage sound complaints and take action when noise exceeds the Special Events permit.

Special Events and Filming set up an after-hours phone line prior to the start of the Study to allow resident concerns to be heard while events are occurring. The after-hours phone line not only sends a message to the staff onsite, but also to the Manager of Special Events and Filming. During this process, it was noted that residents were taking sound readings with non-calibrated equipment, such as cell phones. This created a discrepancy between Special Events and Filming/Health Department readings and the readings residents were logging. All of the sound readings have been included in the report.

Next Steps

The Study will be uploaded on the Special Events and Filming website for the public to review. Additionally, a community meeting with will be held, to include RRM and City staff, to present the findings of the Study and to capture feedback from various stakeholders. Staff will also begin working on an implementation plan for the recommendations provided by RRM.

Thank you for your support and patience during these studies. If you have any questions, please contact Tasha Day, Manager of Special Events and Filming, at (562) 570-5313, or via email at tasha.day@longbeach.gov.

ATTACHMENT

CC: CHARLES PARKIN, CITY ATTORNEY
LAURA DOUD, CITY AUDITOR
TOM MODICA, ASSISTANT CITY MANAGER
KEVIN JACKSON, DEPUTY CITY MANAGER
REBECCA GARNER, ADMINISTRATIVE DEPUTY TO THE CITY MANAGER
ANDREW VIALPANDO, ASSISTANT TO THE CITY MANAGER
TASHA DAY, MANAGER OF SPECIAL EVENTS AND FILMING
MONIQUE DE LA GARZA, CITY CLERK (REF. FILES #17-0504, #17,0505, #18-0345)

SPECIAL EVENTS NOISE ANALYSIS

Draft June 27, 2019

LONGBEACH DEVELOPMENT SERVICES

CITY OF LONGBEACH

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Special Events Noise Analysis

Submitted to:

City of Long Beach

Development Services Department, Planning Bureau

333 West Ocean Boulevard
Long Beach, CA 90802

City of Long Beach

Office of Special Events and Filming

211 East Ocean Boulevard
Suite 410
Long Beach, CA 90802

Prepared by:

RRM Design Group

32332 Camino Capistrano, Ste. 205
San Juan Capistrano, CA 92675
(949) 361-7950

LSA

20 Executive Park
Irvine, CA 92614
(949) 553-0666

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Introduction

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1 Introduction

1.1 Background

Long Beach is a vibrant coastal city with attractions serving residents, businesses, and visitors. As such, the City has experienced an increased interest in holding special events in Long Beach, especially outdoor special events along the waterfront in the downtown area. These events include, but are not limited to, community festivals, runs/walks, citywide holiday celebrations, Long Beach Grand Prix, Long Beach Marathon, Long Beach Lesbian and Gay Pride Parade and Celebration, Jazz Festival, film production, and events hosted at the Queen Mary. These activities help build a foundation that fosters sustainable community development, economic development, and tourism. However, with residents living in close proximity to these events, ensuring managed frequency and intensity of the noise from these events is a priority for the City. Long Beach is seeking an informed, balanced approach to managing the needs of these events while continuing to prioritize the wellbeing of residents.

1.2 This Report

As the issue of noise related to special events was brought to the attention of City staff and City Council, the need for a more detailed analysis of current regulations and issues, as well as options for improvement became evident. As such, this report has been created at the request of City Council and City staff. This report seeks to summarize the current regulations and procedures in place that relate to noise from special events. Additionally, research has been performed on select relevant cities with regulations and procedures relating to noise from special events. Best practices learned from these communities have been summarized here. Finally, key findings and options, including standards, methods, strategies, technologies, and procedures have been identified for "next step" consideration. This report will be used to inform the update to the City's Noise Ordinance and the General Plan Noise Element.

The City of Long Beach hosts many seasonal events which may generate noise.

Long Beach Grand Prix

1.3 Community Engagement

This study came about in response to expressed community interest in better understanding and improving the impact of city-permitted outdoor events in downtown Long Beach. In April 2018, the Long Beach City Council requested a study be conducted to review existing procedures, seek best practices from relevant cities, and explore various approaches to management of amplified sounds from city-permitted outdoor events. Best practices should balance programming with resident and business considerations.

After preliminary research was initiated, a focus group session was held on October 17, 2018 to provide initial background information on the Noise Element update and special events research study and to solicit thoughts on areas of concern and potential ideas. Representatives from residential neighborhoods, special event organizers and staff attended, approximately 30 participants in total. Information was presented including case studies in other communities and current Long Beach policies and practices for special events and outdoor noise. Following a question and answer period, two breakout groups were formed consisting of residents/community members and event organizers/special event staff. Themes and ideas from discussions include:

Communications and Coordination

- Improve web/email notification
- Some park events are run through community services, need for centralized coordination
- Provide direct responses to complaints
- Multiple departments need to coordinate, review and schedule events and communicate
- Consider a one-stop-shop for information, notices, email list, complaints, logs of past events, calendaring, etc.

Event Permitting

- Consider event contexts (older buildings, smaller streets, enclosed spaces, etc.)
- Event setup/breakdown should be within permitted hours
- Medium-sized events tend to receive majority of complaints
- Consider geographic distribution and event concentrations on neighborhoods
- Consider a formal public review process to include residents for larger events
- Outdoor events should be no later than 10pm on Sundays
- Explore “silent discos” where individuals have private headphones
- Better explain why temporary events are exempted (defined by the type of event, size, activity, location?)
- Continue to orient direction of stage and/or speakers away from residents and toward the water when possible
- Continue to integrate speaker arrays with delays to reduce the overall dBA required to amplify an event where feasible

Noise Levels and Metrics

- Consider defining “new metrics” of how noise is defined (type, location, size of event, duration, etc.) – should be clear to community members
- Residents recommended 70 dBA, measured at residences
- Ambient city noise is already loud – how can be addressed (long-term retrofits, building codes, etc.)
- Look at regulating noise measurement distance (i.e. 50’ from stage, at residential district/property line, etc.)
- Bass noise – events with lower levels are challenging – explore C-scale, bass measurement
- Better define enforcement and controls of regulations
- Noise regulations should be put in terms of livability

1.4 Fundamentals of Noise and Vibration

This section provides a brief overview of the fundamentals of noise, the characteristics of sound, including its basic qualities—pitch and loudness. It also includes background information on the measurement of sound, including information on the decibel system. Lastly, a table of definitions of acoustical terms and a table of common sound levels and their noise sources is also available. This information may be informative when reviewing certain standards in Chapter 2.

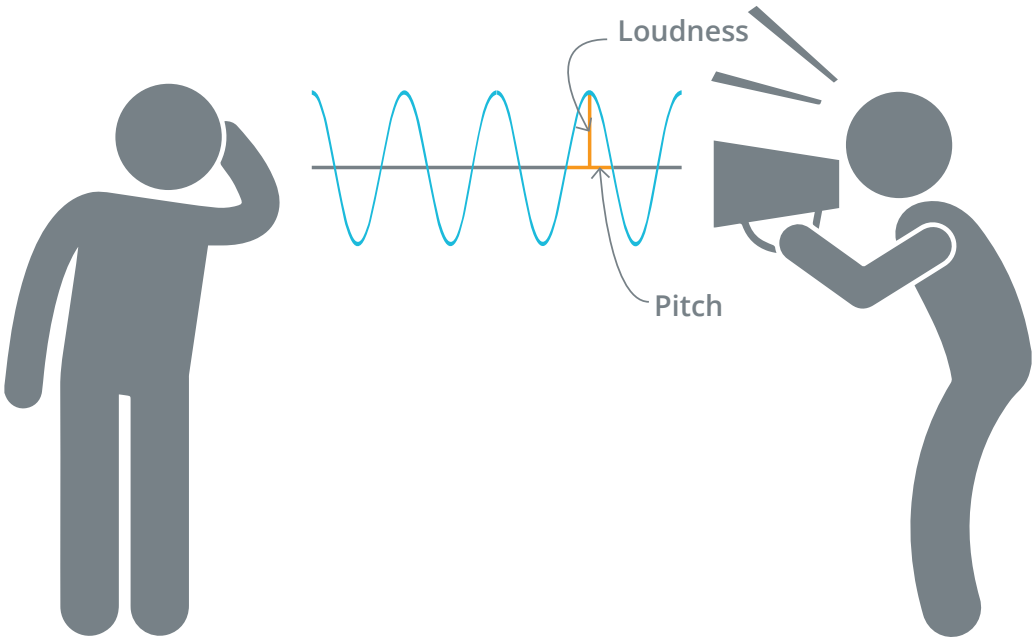
1.4.1 Characteristics of Sound

Sound is increasing in the environment and can affect quality of life. Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, and sleep.

To the human ear, sound has two significant characteristics: pitch and loudness. Pitch is generally an annoyance, while loudness can affect the ability to hear. Pitch is the number of complete vibrations (or cycles per second) of a wave, resulting in the tone's range from high to low. Loudness is the strength of a sound and describes a noisy or quiet environment; it is measured by the amplitude of the sound wave.

Loudness is determined by the intensity of the sound waves combined with the reception characteristics of the human ear. Sound intensity refers to how hard the sound wave strikes an object, which in turn produces the sound's effect. This characteristic of sound can be precisely measured with instruments. Typically, a noise analysis defines the noise environment within a specific area in terms of sound intensity and the effect on adjacent sensitive land uses.

Where more than one noise source is present, noise characteristics may reflect an exponential relationship. Atmospheric conditions, ambient noise levels, and other factors affect noise levels, not always in linear fashion.

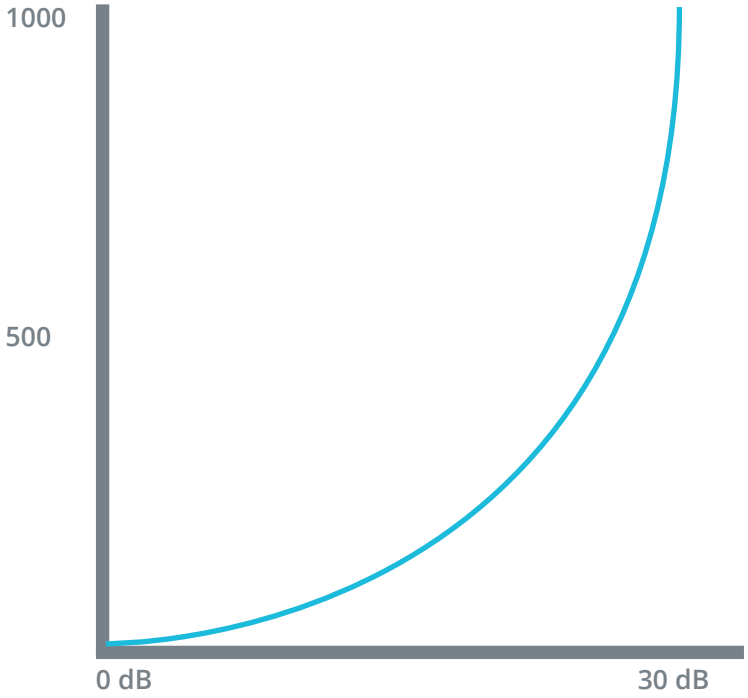


1.4.2 Measurement of Sound

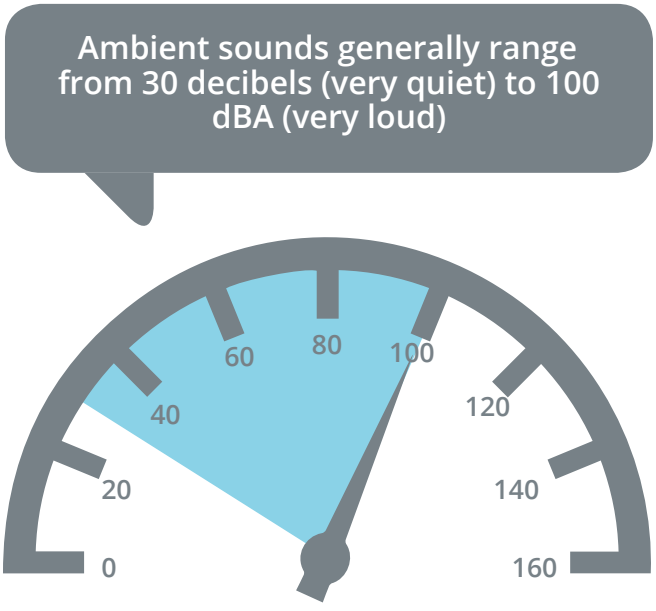
Sound intensity is measured through the A-weighted scale to correct for the relative frequency response of the human ear. That is, an A-weighted noise level de-emphasizes low and very high frequencies of sound similar to the human ear's de-emphasis of these frequencies. Unlike linear units, such as inches or pounds, decibels are measured on a logarithmic scale representing points on a sharply rising curve. For example, 10 decibels (dB) is 10 times more intense than 1 dB, 20 dB is 100 times more intense, and 30 dB is 1,000 times more intense. Thirty decibels (30 dB) represent 1,000 times as much acoustic energy as 1 dB. The decibel scale increases as the square of the change, representing the sound-pressure energy. A sound as soft as human breathing is about 10 times greater than 0 dB. The decibel system of measuring sound gives a rough connection between the physical intensity of sound and its perceived loudness to the human ear. A 10 dB increase in sound level is perceived by the human ear as only a doubling of the loudness of the sound. Ambient sounds generally range from 30 A-weighted decibels (dBA) (very quiet) to 100 dBA (very loud).

Sound levels are generated from a source, and their decibel level decreases as the distance from that source increases. Sound dissipates exponentially with distance from the noise source. For a single-point source, sound levels decrease approximately 6 dB for each doubling of distance from the source. This drop-off rate is appropriate for noise generated by stationary equipment. If noise is produced by a line source (e.g., highway traffic or railroad operations) the sound decreases 3 dB for each doubling of distance in a hard site environment. Line source noise in a relatively flat environment with absorptive vegetation decreases 4.5 dB for each doubling of distance.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. Equivalent continuous sound level (L_{eq}) is the total sound energy of time-varying noise over a sample period. However, the predominant rating scales for human communities in the State of California (State) are the L_{eq} and the Community Noise Equivalent Level (CNEL) or the day-night average level (L_{dn}) based on A weighted decibels. CNEL is the time-varying noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly



Intensity of decibels



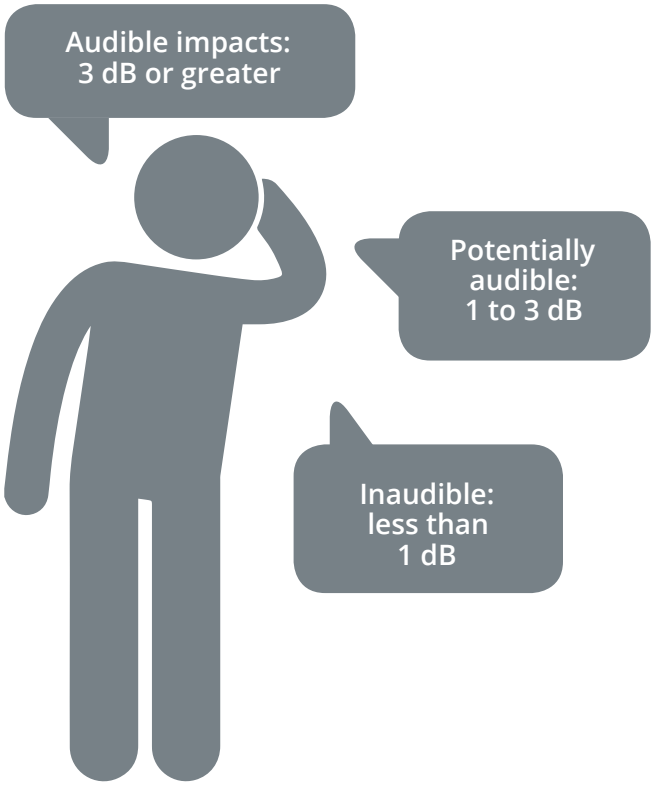
A-weighted decibels (dBA) of ambient sounds

L_{eq} for noises occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noise occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale but without the adjustment for events occurring during the evening hours. CNEL and L_{dn} are within 1 dBA of each other and are normally interchangeable. The noise adjustments are added to the noise events occurring during the more sensitive hours.

Other noise rating scales of importance, when assessing the annoyance factor, include the maximum noise level (L_{max}), which is the highest exponential time-averaged sound level that occurs during a stated time period. The noise environments discussed in this analysis are specified in terms of Lmax for short-term noise impacts. L_{max} reflects peak-operating conditions and addresses the annoying aspects of intermittent noise.

Another noise scale often used together with the L_{max} in noise ordinances for enforcement purposes is noise standards in terms of percentile noise levels. For example, the L_{10} noise level represents the noise level exceeded 10 percent of the time during a stated period. The L_{50} noise level represents the median noise level. Half of the time the noise level exceeds this level, and half of the time it is less than this level. The L_{90} noise level represents the noise level exceeded 90 percent of the time and is considered the background noise level during a monitoring period. For a relatively constant noise source, the L_{eq} and L_{50} are approximately the same.

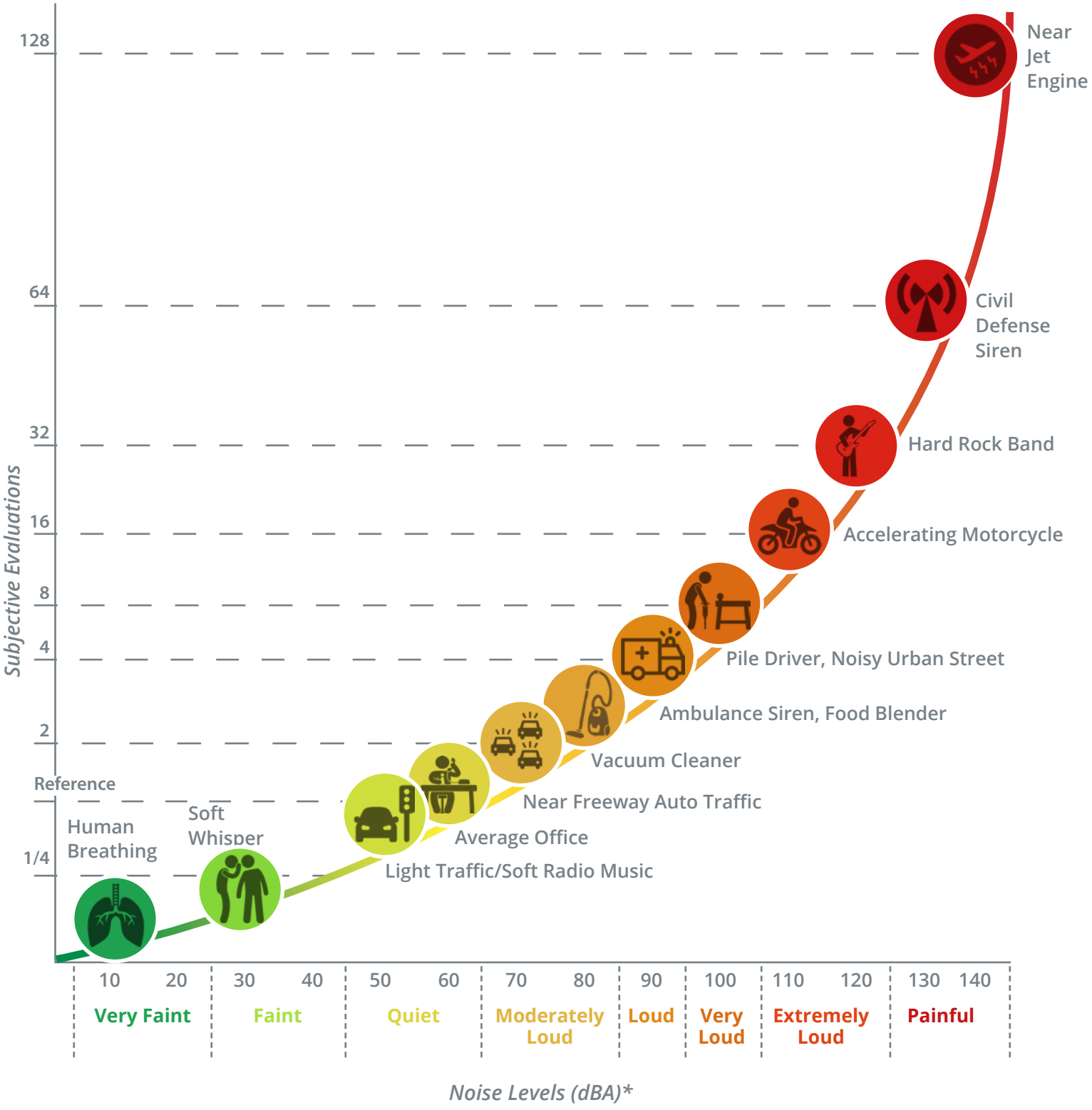
Noise impacts can be described in three categories. The first includes audible impacts, which refer to increases in noise levels noticeable to humans. Audible increases in noise levels generally refer to a change of 3 dB or greater, because this level has been found to be barely perceptible in exterior environments. The second category, potentially audible, refers to a change in the noise level between 1 and 3 dB. This range of noise levels has been found to be noticeable only in laboratory environments. The last category includes changes in noise level of less than 1 dB, which are inaudible to the human ear. Only audible changes in existing ambient or background noise levels are considered potentially significant.



What noise level changes are audible?

Measurement of sound is conducted using a sound level meter. A sound level meter is a measuring instrument used to assess noise or sound levels by measuring sound pressure. Often referred to as a sound pressure level (SPL) meter, decibel (dB) meter, noise meter or noise dosimeter, a sound level meter uses a microphone to capture sound. The sound is then evaluated within the sound level meter and acoustic measurement values are shown on the display of the sound level meter. An important attribute to consider when determining a suitable sound level meter is its type or class. The type or class of a sound level meter defines the device's accuracy as per American National Standards Institute (ANSI) or International Electrotechnical Commission (IEC) guidelines. While smartphones may offer sound level meter apps, there is potential for significant variations in accuracy, function and performance of the measurement chain. Factors that may effect the reading include whether the device is utilizing an internal or external mircophone, the positioning of the device, and the type of sound being measured.

Table A: Common Sound Levels and Their Noise Sources



**Noise levels at various reference distances*

Table B: Definitions of Acoustical Terms

Term	Definition
Decibel, dB	A unit of noise level that denotes the ratio between two quantities that are proportional to power; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
Frequency, Hz	Of a function periodic in time; the number of times that the quantity repeats itself in one second (i.e., number of cycles per second).
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise. (All sound levels in this report are A-weighted, unless reported otherwise.)
L_{02}, L_{08}, L_{50}, L_{90}	The fast A-weighted noise levels that are equaled or exceeded by a fluctuating sound level 2 percent, 8 percent, 50 percent, and 90 percent of a stated time period.
Equivalent Continuous Noise Level, L_{eq}	The level of a steady sound that, in a stated time period and at a stated location, has the same A-weighted sound energy as the time-varying sound.
Community Noise Equivalent Level, CNEL	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 5 dB to sound levels occurring in the evening from 7:00 p.m. to 10:00 p.m. and after the addition of 10 dB to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
Day/Night Noise Level, L_{dn}	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 10 dB to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
L_{max}, L_{min}	The maximum and minimum A-weighted sound levels measured on a sound level meter during a designated time interval using fast-time averaging.
Ambient Noise Level	The all-encompassing noise associated with a given environment at a specified time; usually a composite of sound from many sources from many directions, near and far; no particular sound is dominant.
Intrusive	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, time of occurrence, tonal or informational content, and the prevailing ambient noise level.
Sound Exposure Level (SEL)	A measure of the total noise within an event which accounts for duration.
Single Event Noise Equivalent Level (SENEL)	The sound exposure level for a defined noise threshold level.
Source: Handbook of Acoustical Measurement and Noise Control (Harris 1991).	

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Existing Regulatory Setting

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2 Existing Regulatory Setting

2.1 Introduction

This chapter details the policies and regulations currently in place at the City of Long Beach as they relate to noise from special events. Currently, noise is regulated by many departments within the City, including the Department of Development Services, the Office of Special Events and Filming, the Department of Health and Human Services, and the Police Department. This chapter gives a synopsis of all City regulation of noise relating to special events.

2.2 Existing Regulatory Setting

2.2.1 State Regulations

State regulations are designed to allow for local control over noise. No State provisions or ruling of the Office of Noise Control limits or expands on the regulations in place at the local level by cities and counties in California.

State of California Noise Control Act

In 1975, the State of California established its own Noise Control Act located in Division 28 of the State's Health and Safety Code. Chapter 1 provides an overview of the intent of the Noise Control Act and its purpose. Chapter 6, Assistance to Local Agencies, provides direction on how the state will assist each local agency in establishing local ordinances and policies. Relevant sections from these chapters are cited here:

Chapter 1: Findings, Declarations, and Intent

46000. The Legislature hereby finds and declares that:

A. Excessive noise is a serious hazard to the public health and welfare.

B. Exposure to certain levels of noise can result in physiological, psychological, and economic damage.

C. There is a continuous and increasing bombardment of noise in the urban, suburban, and rural areas.

D. Government has not taken the steps necessary to provide for the control, abatement, and prevention of unwanted and hazardous noise.

State of California Land Use Compatibility Criteria.

E. The State of California has a responsibility to protect the health and welfare of its citizens by the control, prevention, and abatement of noise.
F. All Californians are entitled to a peaceful and quiet environment without the intrusion of noise which may be hazardous to their health or welfare.
G. It is the policy of the state to provide an environment for all Californians free from noise that jeopardizes their health or welfare. To that end it is the purpose of this division to establish a means for effective coordination of state activities in noise control and to take such action as will be necessary to achieve the purposes of this section.

Chapter 6. Assistance to Local Agencies

46060. It is the purpose of this chapter to encourage the enactment and enforcement of local ordinances in those areas which are most properly the responsibility of local government. It is further the purpose to insure that the state is of maximum assistance to local agencies in the discharge of those responsibilities, furnishing technical and legal expertise to assist local agencies in the enactment and enforcement of meaningful and technically sufficient noise abatement measures.

46061. The office shall provide technical assistance to local agencies in combating noise pollution. Such assistance shall include but not be limited to:
A. Advice concerning methods of noise abatement and control.
B. Advice on training of noise control personnel.
C. Advice on selection and operation of noise abatement equipment.

46062. The office shall provide assistance to local agencies in the preparation of model ordinances to control and abate noise. Such ordinances shall be developed in consultation with the Attorney General and with representatives of local agencies, including the County Supervisors Association of California and the League of California Cities. Any local agency which adopts any noise control ordinance shall promptly furnish a copy to the office.

State of California Building Code

The State of California's noise insulation standards are codified in the California Code of Regulations (CCR), Title 24, Building Standards Administrative Code, Part 2, California Building Code. These noise standards are applied to new construction in California for the purpose of ensuring that the level of exterior noise transmitted to and received within the interior living spaces of buildings is compatible with their comfortable use. For new residential dwellings, hotels, motels, dormitories, and school classrooms, the acceptable interior noise limit for habitable rooms in new construction is 45 dBA CNEL or L_{dn}. Title 24 requires acoustical studies for residential development in areas exposed to more than 60 dBA CNEL to demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. Where exterior noise levels are projected to exceed 60 dBA CNEL or L_{dn} at the facade of a building, a report must be submitted with the building plans that describe the noise control measures that have been incorporated into the design of the project to meet the 45 dBA CNEL or L_{dn} noise limit.

California Green Building Code

The California Green Building Code, also referred to as CalGreen (ICC 2017), applies to newly constructed residential structures, as well as additions and alterations to existing buildings which increase the building's conditioned area, interior volume or size. The Code provides the following requirements under Environmental Comfort related to noise:

5.507.4 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor–Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirement of this section and all subsections apply only to new construction.

5.507.4.1 Exteriors noise transmission prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport (see figure with airport contours on page 3-33).

Exceptions:

a. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.

b. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dBL_{eq}-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq -1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site features. Exterior features such as sound wall or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC or IIC of at least 40. For residential uses or sensitive tenant spaces, a minimum STC or IIC of 50. Note: Examples of assemblies and their various STC rating may be found at the California Office of Noise Control website.

2.2.2 Long Beach Development Services

Existing Noise Element (1975)

Existing Standards

The City of Long Beach Noise Element in the General Plan considers the impacts of stationary noise producers. Stationary noise producers are entities with a fixed location that emit noise. The General Plan requires that sensitive land uses not be subjected to excessive stationary noise, either by mitigation at the source or through planning measures that reduce sound exposure. While the current General Plan does not contain a land use compatibility table, Table A summarizes the criteria for sensitive receivers.

Table A: City General Plan Recommended Criteria for Maximum Acceptable Noise Levels[1] in A-Weighted Decibels (dBA) (1975)

Major Land Use Type	Stationary Source Land Use Noise Standards			
	Outdoor			Indoor
	Maximum Single Hourly Peak	L_{10} [2]	L_{50} [3]	L_{dn} [4]
Residential[5] 7:00 a.m. to 10:00 p.m.	70	55	45	45
Residential[5] 10:00 p.m. to 7:00 a.m.	60	45	35	35
Commercial (anytime)	75	65	55	--[6]
Industrial (anytime)	85	70	60	--[6]

Source: City of Long Beach Noise Element (1975) Table 11
[1] Based on existing ambient level ranges in Long Beach and recommended U.S. Environmental Protection Agency ratios and standards for interference and annoyance.
[2] Noise levels exceeded 10 percent of the time.
[3] Noise levels exceeded 50 percent of the time.
[4] Day-night average sound level. The 24-hour A-weighted equivalent sound level with a 10-decibel penalty applied to nighttime levels.
[5] Includes all residential categories and all nose-sensitive land uses (e.g., hospitals and schools).
[6] Because different types of commercial and industrial activities appear to be associated with different noise levels, identification of a maximum indoor level for activity interference is unfeasible.

A Noise Element Establishes the Goals, Plans and Policies

One of the major functions of a General Plan Noise Element is to establish goals to strive for, plans to help achieve those goals, and polices which regulate both current and future developments and all activities within the City limits. In the current version of the City's Noise Element, found in detail on pages 140 through 176, these are referenced as Implementation Strategies, Categorical Recommendations, and Transportation Noise Reduction Measures. This document can be accessed via **http://www.lbds.info/civica/filebank/blobdload.asp?BlobID=3051**

Existing Municipal Code

City of Long Beach Municipal Code: Noise Ordinance Standards

The City's Municipal Code (Section 8.80.160—Exterior noise limits) establishes maximum exterior sound level standards. Standards vary depending on land use. Table B outlines these criteria, which represent noise limits that no person shall exceed through sound they create or allow to be created. Figure 1 illustrates the land uses described in Table B.

It should be noted that the Department of Health and Human Services has confirmed that ambient noise levels regularly exceed the levels established in 1982. Once the Noise Element Update is complete, the Noise Ordinance will be updated to implement the policies in the updated Noise Element. In consideration of the evolution of the cityscape and the urbanization that the City has undergone in the near 30 years, these levels are going to be reevaluated through the noise ordinance update process.

The City's Municipal Code Section (8.80.170—Interior noise limits), establishes maximum interior sound level standards. Standards vary depending on land use. Table C outlines these criteria, which represent noise limits that no person shall exceed through sound they create or allow to be created.

Lastly, Section 5.60 of the Long Beach municipal code provides the regulation of Parades and Special Events. This Ordinance exists to regulate Special Events, as they are temporary in nature.

Table B: Exterior Local Noise Criteria (1982)

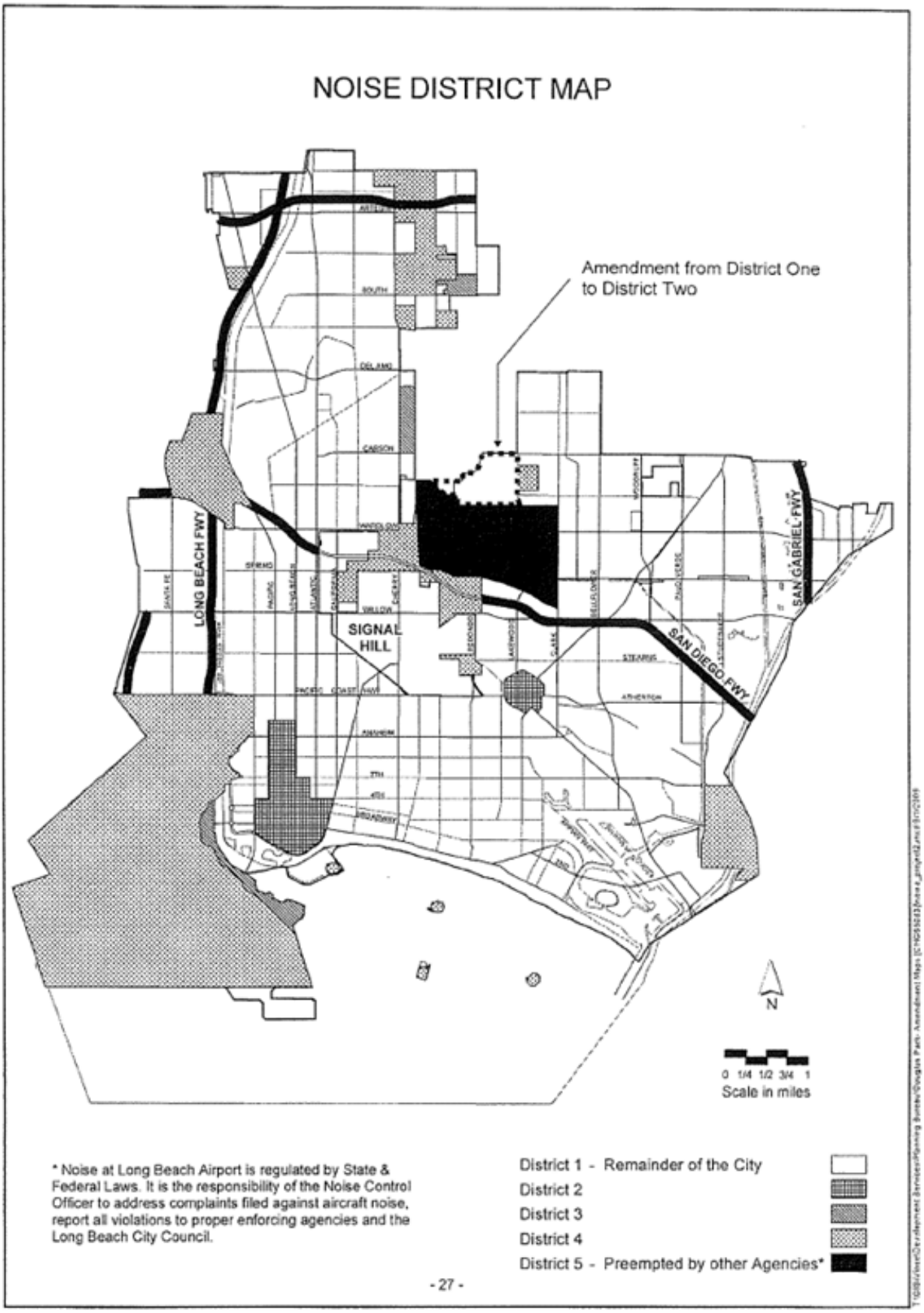
Receiving Land Use District	Noise Criteria ($dB L_{EQ}$)	
	Daytime (7:00 am to 10:00 pm)	Nighttime (10:00 pm to 7:00 am)
District One — Predominantly residential with other land use types also present	50	45
District Two — Predominantly commercial with other land use types also present	60	55
District Three — Predominantly industrial with other land use types also present	65	65
District Four — Predominantly industrial with other land use types also present	70	70
District Five — Airport, freeways, and waterways regulated by other agencies	Regulated by other agencies and laws	

Source: City of Long Beach Municipal Code (1982)

[1] Districts Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts.

dB = decibel(s)

L_{EQ} = maximum instantaneous noise level


NOISE DISTRICT MAP
Amendment from District One to District Two
LONG BEACH FWY
SIGNAL HILL
SAN DIEGO FWY
SAN GABRIEL FWY
N
0 1/4 1/2 3/4 1
Scale in miles
* Noise at Long Beach Airport is regulated by State & Federal Laws. It is the responsibility of the Noise Control Officer to address complaints filed against aircraft noise, report all violations to proper enforcing agencies and the Long Beach City Council.
District 1 - Remainder of the City
District 2
District 3
District 4
District 5 - Preempted by other Agencies*
- 27 -

5.60.020—Special Events – Permit Required.

D. The City Manager may condition any permit issued pursuant to this Chapter with reasonable requirements concerning the time, place or manner of holding such event as is necessary to coordinate multiple uses of public property, assure preservation of public property and public places, prevent dangerous, unlawful or impermissible uses, protect the safety of persons and property and to control vehicular and pedestrian traffic in and around the venue. Conditions may include the use of sound amplification equipment, and restrictions on the amount of noise generated by motors and other equipment used in the course of the event.

5.7.200, Subsection B.

11. Permittee agrees that the following standard is reasonable: Noise emanating from Permittee's premises shall not be unreasonably loud or disturbing in light of the facts and circumstances then prevailing within fifty feet (50') of the perimeter of the premises in all directions. Sound and amplification equipment shall be monitored during business hours to ensure that audible noise remains at acceptable levels in accordance with Long Beach Municipal Code Chapter 8.80.

12. On and after the date this ordinance takes effect, applicants for new entertainment permits in the ODED must cause an acoustical study to be prepared by a qualified, certified acoustical engineer, hired by the applicant and acceptable to the City, which shall demonstrate the sound emanating from the applicant's establishment meets the sound standards described in Long Beach Municipal Code Chapter 8.80. The study shall be reviewed and confirmed by the Health Department and the Development Services Department during their review of the permit application.

9.31.010—Loud Noises Prohibited.

No person shall cause or permit loud music or other noises caused by a party, gathering or assemblage of persons on private property to disrupt the public peace. Noise that is audible from a distance of fifty feet (50') or more from the property shall be deemed to disrupt the public peace. Any person who causes or permits any such loud music or other noises is guilty of a public offense punishable under the provisions of Title 1, Chapter 1.32 of this Code.

2.3 Health Department

The Noise Control Office is located within the City Department of Health and Human Services (DHHS). Their mission is to enforce the noise control ordinance (Municipal Code Section 8.80.010). Health Department Noise personnel assist the Office of Special Events by performing sound measurement and providing technical assistance (equipment recommendations, training, etc). Their webpage contains information on the procedure of noise complaints, and provides a link to the noise control ordinance.

2.4 Office of Special Events and Filming

The City has an office dedicated to Special Events and Filming. The Office of Special Events and Filming is within the Office of the City Manager responsible for permitting all special events and film productions within the City of Long Beach. Special Events and Filming staff strive to provide year-round events to cultivate civic pride, social awareness and cultural enrichment for residents and visitors by permitting special event activities. In addition, the Office of Special Events and Filming is responsible for all street closures pertaining to block parties, parades, filming and other events taking place in parks or on public property. They are also responsible for managing the Street Banner Program.

General Information and Website

The City of Long Beach Office of Special Events and Filming maintains a separate webpage from the general City of Long Beach. Through their website, **www.filmlongbeach.com**, they have a special events page. The Department defines special events as:

"any organized event including, but not limited to, large scale events such as races, parades, marathons and sporting events, concerts, fairs, community events, and any organized assembly of seventy-five (75) or more people on any public space, waterway, property, structure, or public right of way, owned or controlled by the City of Long Beach. A Special Event can be private or open to the public and is held on public property."

Recognizing the need for increased communication, the Special Events Office is currently developing a new and customizable website that will include Best Practice Policies, information on upcoming events, and further information on an updated after-hours line. A public calendar is available on the Special Events and Filming website, and with the website update the Convention Center and Convention Visitor Bureau calendars will also be available. Additionally, Special Events will have the capacity to run reports and provide pertinent information in a timely manner. When these features are available, they will be accessible through the Special Events and Filming website, **www.filmlongbeach.com** as well as the City of Long Beach website, **www.longbeach.gov**.

Special Event Application

A special event application is required for all events qualifying as a special event based on the above definition. The applicant may utilize an online form available on the Special Events and Filming website, or they may download the form and return it to the department. The information required in this form includes the following:

- Basic information (date, time, location, contact information)
- Tax status
- Event description
- Event admissions information
- Activity and program schedule information
- Route (for races)
- Site plan
- Parking
- Traffic management
- Site services (custodial, waste and recycling, street sweeping, etc.)
- First aid and emergency management
- Crowd management
- Alcohol control and management
- Concessions
- Insurance

Event Classifications and Fees

Long Beach utilizes a tiered classification system to differentiate between levels of events. Though there is nothing explicitly related to sound in these classifications, staff uses their discretion to assume the level of noise to be expected based on various factors, such as, equipment required and access.

Tier I Event: An event that is free and open to the public, requires no participation fee and/or donation, requires no setup, no alcohol sales and/or consumption.

$102 .....Application Fee
$155 .....Permit Fee (Per Event Day)
$305 .....Venue Fee (Per Event Day)
$155 .....Move-In & Out Venue Fee (Per Day)
$305.....City Property Use Fee (Per Event Day)

Tier II Event: An event that is (A) open to the public (not requiring a paid ticket to the access the venue) but requires a ticket/fee/donation for participants, or (B) a private fundraising event (permittee must have a current Charitable Solicitation Permit on file with the City) with a closed venue requiring a paid admission and/or donation, requires minimum setup.

$205 .....Application Fee
$255 .....Permit Fee (Per Event Day)
$610 .....Venue Fee (Per Event Day)
$305 .....Move-In & Out Venue Fee (Per Day)
$410.....City Property Use Fee (Per Event Day)

Tier III Event: An event that requires a ticket and/or participation fee, requires extensive setup in enclosed venue with controlled access and exclusive use.

$410 .....Application Fee
$1,020 .....Permit Fee (Per Event Day)
$1,020 .....Venue Fee (Per Event Day)
$510 .....Move-In & Out Venue Fee (Per Day)
$510.....City Property Use Fee (Per Event Day)

Timeline

Within the definition of a special event, the City states: "planning an event typically requires a significant amount of lead-time. Due to the amount of preparation required for a Special Event Permit, all applications must be received sixty (60) days prior to the scheduled event." Staff reported receiving applications as far out as a year in advance in order to ensure that the event date and location are available.

SPECIAL EVENT CATEGORIES

TIER I	*Free and open to the public, no setup, no alcohol*
TIER II	*Paid entry, open to public or private event with donation (Charitable Solicitation Permit required)*
TIER III	*Paid entry, exclusive use, requires extensive setup in enclosed venue*

Special Event Internal Application Processing

Application Review Process

Upon receipt of an application for a special event, the special events office time and date stamps the application and confirms availability of the venue. If the specified date and location are confirmed to be available, the application will be forwarded to the manager of special events for further review. The manager's review process ensures compliance with all City ordinances and public safety standards. Upon completion of this preliminary managerial review, a folder is created, an identifying number is assigned to the application, and the folder is assigned to an event coordinator. The assigned event coordinator will be informed of any portion of the application that may be insufficient at this time. The event coordinator then begins coordination with the applicant for any outstanding materials needed. During the coordination process, an operations meeting is usually set to bring the event operator and representatives from each of the city departments together. This operations meeting will allow representatives from each department to ask specific questions of the operator and to make recommendations and requirements to the operator. During the application process, the applicant or representative must meet assigned deadlines, or the event is subject to cancellation, making the date and location available to other applicants.

Calendar, Scheduling, and Location

All outdoor concerts and music festivals permitted in and around the Shoreline Drive area and on the beach must end at 10:00 pm. However, this does not include Long Beach Convention Center Operations or events. All concerts and events at the Harry Bridges Memorial Park must end at 10:00 pm on Sunday through Thursday and 11:00 pm on Friday and Saturday. These event requirements were put in place to address residential concerns.

Noticing to residents
Per Ocean Residents request, every month, Special Events staff e-mail a notification of pending Special Events to each residential building on Ocean Boulevard that will be affected by the events. This notification process was agreed upon to keep residents apprised of any and all upcoming events.

Approval/Denial
Permits may be suspended, revoked, or denied based on any violation of the Long Beach Municipal Code (LBMC) or State or Federal law, any grounds that would warrant the denial of the issuance a permit, a nuisance as defined in the LBMC, any misleading or fraudulent statement, failure to comply with any condition imposed as part of the issuance of the permit, or failure to pay fees. See Section 5.06.020 of the LBMC for more information.

Applicant Appeals
Event applicants may make an appeal within 10 days of permit denial. A fee for appeal is required at the time of filing. Within 30 days City Council will set a hearing date to be held between 10 and 30 days thereafter. City Council will choose to overrule, modify, or uphold the decision. See Section 5.06.030 of the LBMC for more information.

Conditions
A range of typical conditions are currently applied to special event permits to reduce and manage potential noise impacts, including:

- Use of directional speakers
- Face speakers toward the Ocean
- Add a sound backing behind the stage that buffers sound
- Provide staff onsite to respond to noise complaints and perform sound readings
- Force larger events to use speaker arrays with amplified speakers on a delay system
- Notify surrounding residents of an upcoming event
- Advertise events in the Marina Reader
- Require no vulgar language
- Require sound levels to stay at a reasonable sound level
- No teardown after 10 p.m. or prior to 7 a.m. (with the exception of the Grand Prix and Pride)
- The listed set-up and tear-down does not include events held at the Convention Center or the Convention Center Parking lot.
- End events at 10 p.m. except for Queen Mary events (can go until 11 p.m. on Friday and Saturday)

Requirements must be depicted in the site plan of each event and will be confirmed by city staff assigned to that particular event. When applicable, the location where sound readings are to be taken will be specified in the event permit.

Technology
For larger concerts and events, Special Events may require the use of acoustical sound barriers (sound diffusing blankets, foam, etc.) to be placed at the concert stage, depending on the size and set-up.

Pre-event Procedures

Due to the high volume of applications the Special Events Office receives, and during the event application process, a significant number of event applications are denied based on date or location unavailability or because the event operator doesn't meet the minimum requirements placed upon them by the City.

When an event operator submits an application, it is initially reviewed by staff for location and date availability. Once availability is confirmed, the Manager of Special Events provides a more in-depth

review. In this review, considerations are given to the location, type of event, and the impact to the area before it is approved to move forward in the permitting process. Once the manager has reviewed and approved a special events application, the event is added to the Special Events Calendar. The calendar is shared with City departments. These departments then review the event application and communicate with the Special Events Office any concerns they may have with the event. If there are any outstanding items, Special Events coordinators distribute a letter to the promoter with outstanding information requirements with a due date. Provided that the scope of the event falls within all legal parameters, they must be given consideration to advance in the permitting process.

The City holds operations meetings with all large and some new event operators wishing to hold an event in the city. This includes marathons, festivals, walks, races, and music based events. Generally the smaller events, festivals, and walks don't require extensive sound mitigation requirements and are addressed by requiring amplified speakers to be directional. During the initial operations meetings for music-based events, the City addresses sound mitigation requirements with the event operators. Depending on the size and scope of the event, different requirements are placed on the operator. Requirements include directional speakers, sound dampening technology, speaker arrays, and site layout.

Once the permit is completed and approved by all concerned City departments, a final notification is distributed to all departments outlining the requirements and conditions placed upon the event.

Event Set-Up Procedures

Depending on the size and scope of the event, the City may require staff to be on site or make periodic spot checks of the setup of the event to ensure permit compliance surrounding sound mitigation, health, and public safety. During sound checks, City staff may be on site with sound meters to ensure sound levels are not exceeded.

Day-of Event Procedures

Before the event begins, Special Event staff may arrive at the event location with a calibrated sound meter to accurately reflect and record the sound readings of the day for larger scale events. See Appendix for example sound readings from selected large special events. Special Event staff meet with the large event promoters and sound engineer and review the event's sound requirements. During this meeting, City staff communicates that if sound levels reach an unacceptable level, a request will be made to either the event promoter or the sound engineer to reduce the levels to a more acceptable level. Also during this meeting there is an exchange of cell phone numbers or Special Events staff are provided radios to be able to remain in contact with one another for the duration of the event.

In the event where sound readings start to reach unacceptable limits, Special Events staff contact the event promoter and/or the sound engineer to reduce the overall sound level to within acceptable limits. Depending on the size and scope of the event, City staff may be assigned to work an event in the downtown area. Generally, Special Events staff are on site for the duration of all major events and festivals, and may be accompanied by representatives of the Long Beach Fire Department, Long Beach Police Department, Health Department, Business Licensing and Public Works Department. All personnel assigned to the event receive a copy of the permit with its parameters and conditions before the event.

During selected events to be monitored, Special Event staff and Health Department staff attend the event with sound meters recording sound levels at multiple locations that are predetermined during the operations portion of the event meetings.

In an effort to engage local residents in offering feedback, the Special Events Office has created a real-time after hours phone line that once the concerned party leaves a message, it is immediately sent to not only the event coordinators at the event, but to the Manager of Special Events in both a voicemail and e-mail. Special Events staff at the event can play back the message and determine in real-time if the concern requires immediate action.

Special Events staff may remain at the event location to ensure it ended on time and to record its end time. Only once the bulk of the attendees have left, does the Special Events coordinator leave. Police and/or Fire Officers generally remain at the location until the pedestrians and vehicle traffic have left.

In addition to Special Events staff, the Health Department has at least one staff member on site for all large events conducting sound readings. The Health Department then reports on the sound level readings taken at each event. A copy of the sound readings, a copy of atmospheric conditions at the time of the event, and a copy of the Health Departments report is kept with the event file to verify or disprove claims made about the sound levels.

Teardown and Post-Event Procedures

Generally, the same procedures are in place for event teardown. Times and noise standards are put into place during the operations portion of the permitting process and the event promoter is held to the agreed upon standard after the event.

Concert event breakdown is required to end at 10 pm and/or continue the next day. During the teardown process, Special Events staff and City staff may conduct random spot checks of the teardown process to ensure compliance and sound mitigation.

Addressing Complaints

Special Events Procedure

Special Events has an after-hours line for messages and concerns regarding events. All messages left on the after-hours line are time/date stamped and are sent directly to the Special Events staff member at the event in real-time to respond. The phone number to call for noise complaints is (562) 570-5339.

Complaints may also be submitted to the Health Department via:

http://www.longbeach.gov/globalassets/health/media-library/documents/inspections-and-reporting/reporting/noise/noise_comp_form

Citywide Procedure

Entertainment held within the City, with the exception of City authorized Special Events Permits, are subject to the standards and restrictions within the City's Noise Ordinance. The procedure for filing a general noise complaint within the City is as follows:

1. A noise complaint is filed with the Noise Control Officer within the Department of Health and Human Services by phone, letter or in person. The complainant must provide the following information:
    a. Address of the noise source, what noise is disturbing them, and the time of day or night, and day(s) of the week it happens.
    b. Their name, address where the noise bothers them or their tenants, their mailing address (if different) and a daytime phone number.
2. A letter is sent to the noise source, advising that the complaint has been filed, requesting their cooperation, and telling them that an investigation will occur if further complaints are received. This letter does not give the complainant's name.
3. The complainant also receives a letter, advising that the letter was sent to the noise source, and instructing the complainant to wait for at least two weeks. This allows ample time for the problem to be corrected. After two weeks have passed and if the noise continues, the complainant must sign the complaint form or the petition (for multiple complainants) and return it to the Noise Control Officer. The complaint is valid for one year.
4. If the noise continues and the complaint form or petition is returned, an Inspector from the Noise Control Office will make arrangements to observe the noise disturbance at the time that it usually disturbs the complainant (24 hours a day, 7 days a week). The complainant may be asked to contact the Health Department Inspector to allow a quick response.
5. Once the Inspector determines that a violation exists, the responsible party will receive a Noise Abatement Order from the Inspector, requiring them to eliminate the problem immediately. A two-week period, in which to do so, is usually given.
6. If the problem continues, the Inspector comes out again, observes the violation, and issues a second letter which includes the warning that failure to comply WILL result in referral to the City Prosecutor for further action. Again, there is a two-week waiting period.
7. If the problem still persists, the Inspector observes the violation again, and refers it to the City Prosecutor for a misdemeanor complaint. If the complaint is accepted, the Prosecutor will schedule an office hearing in order to gain compliance. Failure to show or failure to correct the problem at this point will result in the complaint being filed in Municipal Court. The potential penalty is $500 fine and/or six months in jail.

Case Studies

3

3 Case Studies

3.1 Introduction

Long Beach's vibrancy and range of special events is comparable to select cities nationally. In coordination with City staff and the City Council the following cities were identified as similar cities; Austin, Texas, Seattle, Washington, Nashville, Tennessee, Pasadena, California, and San Diego, California. The similarities are based on size, types of events occurring, and make up of urban environments. These cities were evaluated in order to understand their regulations and processes related to noise and special events for research and comparison. The intent of researching these cities is to understand best practices related to noise and special events. Regulations and processes researched include when, where, and how loud sound is permitted, the types of permits required, the application process, citations and penalties, and any other aspects that allow these cities to best manage noise and special events.

3.2 Pasadena, California

The City of Pasadena's Human Services and Recreation Department (HSR) Special Events Office coordinates community events in order to bring safe and successful activities on its streets and in its parks. This office processes applications for review by the appropriate City Departments and assists event organizers through the permitting process for events that happen within the City of Pasadena. The Special Event Coordinator serves as your primary contact with the City of Pasadena Departments.

The HSR Special Events Office is also responsible for creating safe and fun Citywide festivals for the Human Services and Recreation Department, such as the Fall Festival, Egg Bowl & Mayor's Annual Holiday Tree Lighting.

The City of Pasadena has a noise ordinance as part of Title 9 of their municipal code, Public Peace, Morals, and Welfare. Chapter 9.36, Noise Restrictions applies mostly to amplified sound on public property. However, there are restrictions on the commercial use of sound amplifying equipment in Old Pasadena. The City has an established ambient noise level of 60 decibels between 6:00 am and 1:30 am , and 50 decibels between 1:30 am and 6:00 am. Amplified music may not exceed 15 decibels above the ambient level, and may not be played outside of 6:00 pm and 1:30 am.

The City also has a special events office for events on public property. This site has a separate inquiry sheet available depending on the type of event; large-scale, community-oriented, or private event. Each event also has a dedicated contact person at City hall.

Before an event can be approved, the City requires a completed Special Event Inquiry Sheet to provide additional information about the proposed event. Depending on the size and scope of the event, the City requires that applications must be received anywhere from 6 to 9 months prior to the event.

All noise, including noise from special events, is regulated through the Noise Ordinance.

3.3 Nashville, Tennessee

Special events in the City of Nashville are regulated by the Metro Park Board. Should an event require Board approval, the Board would make the approval at a monthly meeting.

The City of Nashville has a section of their code, 11.12.070, that addresses noise restrictions within the downtown area. Perhaps most notable is their lengthy purpose and findings section. This section summarizes the City's history as "Music City" and how important the availability of live music in their downtown is to the City's culture and revenue. It also details the need for noise restrictions, citing the number of calls to certain clubs with outdoor speakers in one calendar year.

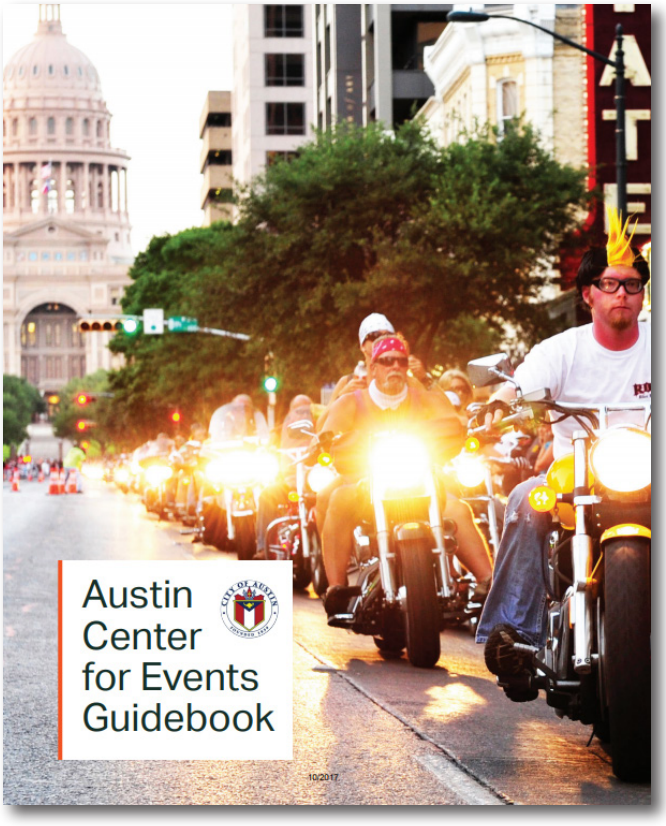
Sound Level Limits and Where Regulations Apply

Restrictions are limited to the downtown area (CC zoned district and properties zoned CS that are contiguous to those zoned CC). Nashville has different standards depending on whether the sound is from a recording or from a live musician. Generally, prerecorded music must be limited to 85 dBA. Live music is exempt from any noise restriction. Also, special events approved by the state or metropolitan government are exempt from noise restrictions.

3.4 Austin, Texas

The City of Austin maintains their Austin Center for Events Guidebook. This guidebook is available online, and contains the procedures and regulations related to holding events within the City. Chapter 9-2 is a section dedicated to the use of amplified sound at special events.

www.austintexas.gov/sitesdefault/files/files/CityofAustin_AustinCenterforEventsGuidebook_1.17.pdf.



Austin, Texas

Hours of Amplified Sound and Decibel Levels and Where Regulations Apply

Hours and levels of amplified sound permitted are more generous, meaning louder noise levels are allowed at later times of day.

Warehouse Entertainment or Sixth Street Entertainment Districts: Sound Equipment may be operated up to 85 dbA at the property line or up to 70 dbA at a restaurant (51% food sales) between 10:00 am and 2:00 am.

Outside these districts: Sound equipment may be operated up to 85 dbA or up to 70 dbA at a restaurant general between the hours of:

- 10:00 am to 10:30 pm Sunday-Wednesday
- 10:00 am to 11:00 pm Thursday
- 10:00 am to 12:00 am Friday/Saturday

Note: Noise standards do not apply to parades or street events.

When determining the potential impact at residential uses, the standard is specified as 75 dBA, however the Guidebook does not establish the duration (e.g., Lmax) for the standard.

Types of Permits Required

The City of Austin differentiates between permits required based on whether the event is to be held on public or private property. For private property, event organizers may apply for a temporary sound permit either for a single day or for multiple days. For events on public property, the organizer may apply for a temporary sound permit for parks and right-of-way events. Additionally, outdoor music venues must apply for an outdoor music venue permit. These permits may be either one-day or multi-day permits and may be for a single-event or multiple events at the same location.

During the Spring Festival Season, they may apply for an extended hours permit. Sound permits may not be issued for the use of equipment located within 100 feet of property zoned and used as residential. The Music Office Review and Development Assistance Center (DAC) work together in processing special events permits.

Application

Special Event applications are available online through the City's website. Information required in the application to be submitted to the DAC includes:

- Contact information
- Venue information
- A "responsible party in charge of sound"
- The source of sound
- Sound pressure level of speakers at one yard
- Number of speaker cones
- Size of speaker cones
- Sound mitigation measures planned or implemented
- Proposed hours of amplified sound
- Sound compliance history
- Neighborhood outreach
- Stage layout
- Dates and times
- Lineup/expected talent

Austin, Texas

Sound Impact Evaluations

For events on public property a Sound Impact Evaluation must be performed. Based on the investigation the Music & Entertainment Division creates a Sound Impact Plan recommending approval (with possible restrictions) or denial of the application. If necessary to protect public health and safety, the division may recommend limits on attendance and capacity and more restrictive decibel limits and hours of operation. The Music & Entertainment Division may also recommend any appropriate restrictions for stage construction and orientation; size, location and orientation of speakers; appropriate sound buffering; and on-site decibel meters.

Citation Penalties

Any type of noise-related violation (violating Chapter 9-2 of the Austin Code of Ordinances, Noise and Amplified Sound) is chargeable as a Class C misdemeanor by a fine upon conviction not to exceed $500.

Noticing

All live music permits must prominently post signs with information including the name and address of the site and owner of the site, the type of live music permit issued, decibel limits for operation of sound equipment at the site or property, hours during which sound equipment may be used at the site, date of expiration, and a mobile response code that links to the sound impact plan or temporary event impact plan.

City Departments Overseeing Sound

Permitting and planning for temporary special events and festivals in the City of Austin are overseen by the Austin Center for Events (ACE). ACE is an interdepartmental team consisting of representatives from several City departments, including Austin Police, Austin Fire, Austin-Travis County Emergency Medical Services, Austin Transportation, Austin Water Utility, Economic Development Department's Music and Entertainment Division, Parks and Recreation, Austin Public Health, Code Compliance, and Austin Resource Recovery.

Relevant Findings

- Austin's Center for Events Handbook simplifies the application process by making all information clear and accessible.
- A dedicated Spring Festival Season allows for more generous hours of noise.
- The application for a Special Event permit requires the applicant specify a "responsible party in charge of sound"
- Austin requires a Sound Impact Evaluation where the Music and Entertainment Division creates a Sound Impact Plan.
- The Center for Events coordinates noise regulation between the various relevant City and County departments.

3.5 Seattle, Washington

The City of Seattle maintains a webpage containing the relevant information related to utilizing amplified sound at a special event.

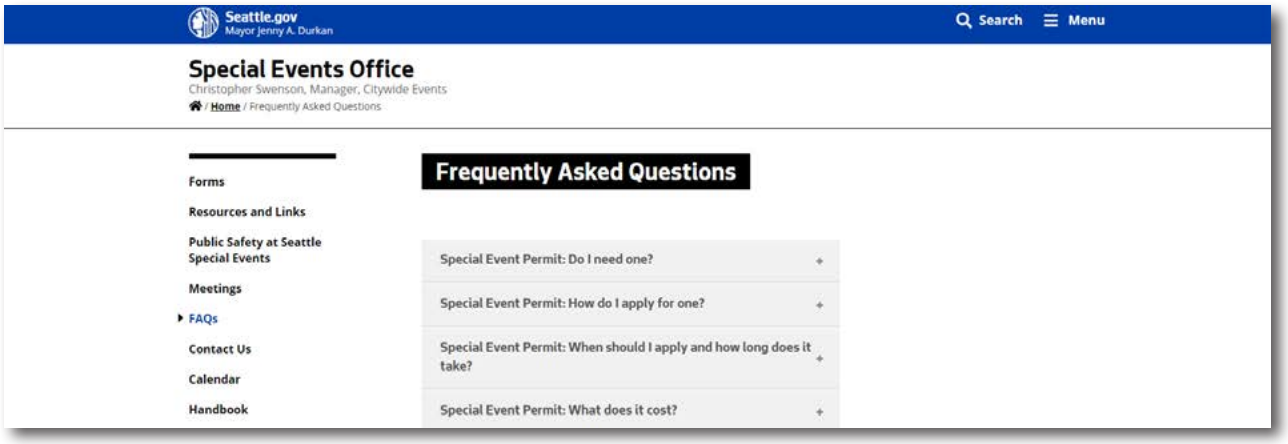
Sound Level Limits and Where Regulations Apply

According to Title 25 of the Seattle Municipal Code, Environmental Protection and Historic Preservation, Chapter 25.08: Noise Control, the following exterior sound level limits apply:

District of Sound Source	District of Receiving Property		
	Residential (dbA) (Leq)	*Commercial (dbA) (Leq)*	*Industrial (dbA) (Leq)*
Residential	*55*	*57*	*60*
Commercial	*57*	*60*	*65*
Industrial	*60*	*65*	*70*

Note: Leq = average noise level

Noise measurements are performed at a distance of 50 feet from the source of the sound. The exterior sound level limits are based on the Leq, or average noise level, during the measurement interval, using a minimum measurement interval of 1 minute for a constant sound source, or a one-hour measurement for a non-continuous sound source. The duration of the measurement is dependent on the source.



Seattle, Washington

Temporary Noise Variance

Noise Management and Mitigation Plan

Outdoor amplified sound at events must adhere to volume levels established in Seattle's Noise Code (Seattle Municipal Code 25.08).

Events that require off-hours outdoor amplified sound (between the hours of 10:00 pm to 7:00 am weekdays, 10:00 pm to 9:00 am weekends) may apply for a Temporary Noise Variance.

The Temporary Noise Variance allows events to vary from Seattle Municipal Code noise limits, such as early morning run/walk announcements or late evening music, under specific circumstances. Seattle's Department of Construction and Inspection (SDCI) Noise Abatement Program reviews variance requests and has authority to issue a Temporary Noise Variance for the activity. The applicant must submit the following:

- A description of the exterior sound level limits of Chapter 25.08 expected to be exceeded, estimates of the amounts by which these levels are expected to be exceeded and by what equipment, the exterior sound level limits that will be in effect during the variance, the time periods during which the pre-variance exterior sound level limits may be exceeded, and the expected sources of the sound during each of the time periods (e.g., types of equipment or activity causing the exterior sound level limits to be exceeded);
- Measures and provisions to be taken to avoid exceeding the exterior sound level limits of this Chapter 25.08;
- Provisions to mitigate sounds that exceed the exterior sound level limits and that cannot otherwise be avoided; and
- A process for informing the public in the affected areas about the provisions of the variance.

Noise Impact Mitigation: Third Party Noise Monitor Authority

The event organizer must hire a third-party noise monitor ("monitor") who will be responsible for monitoring set-up and dB levels during the special event.

Seattle, Washington

The monitor is responsible for controlling the concert, setting up the required noise monitoring equipment and enforcing the signed agreement. The monitor must have the authority to turn down to turn off the amplified sound, and he or she must clearly communicate with the sound engineer regarding permitted noise level limits and the repercussions for exceeding the permitted noise level limits.

Monitors are required to use a laptop computer with Smaart Live. The advantage of the computer and software is the dB levels are visible to everyone in the sound booth. If the sound level is being exceeded, visibility of the data should make it clear to everyone that the sound should be turned down. The computer will log the event and timing of all sound levels, which must be available if SDCI receives a noise complaint. The data log will validate whether the amplified sound exceeded the noise level established for the event and at what time.

Application info

The application for a noise variance can be accessed through the Seattle Services Portal. Requests for noise variances are publicly available. Through this website, the applicant and general public may view the status of the application, and all relevant records and inspection reports.

Citation Penalties

According to Title 25 of the Seattle Municipal Code, Environmental Protection and Historic Preservation, Chapter 25.08: Noise Control, the first sound violation from a nightlife disturbance is $1,000. The second, third, and subsequent violations are each $2,000.

City Departments Overseeing Sound

Planning and permitting of special events in the City of Seattle is overseen by a dedicated Office of Special Events. The office has a committee dedicated to reviewing and approving or denying applications, and a City Special Event Coordinator serves as the liaison between the applicant and the board.

Other relevant information

Seattle imposes and regulates standards on how sound equipment should be setup.

» Line array speakers and sub woofers shall be mounted above the stage and be directed at the audience;

» The stages shall be located on site in a manner that directionally points the amplified sound away from residential receivers or if that cannot occur, the stages are located in the best possible position to directionally point the sound away from residential receivers; and

» There shall be an established decibel limit for the venue.

Relevant Findings

- Event organizers must hire a third party noise monitor whose duties include enforcing a signed noise agreement.
- Monitors utilize computer software called Smaart Live, which monitors and records data on sound.
- The Seattle Services Portal is an easy to use website that allows applicants to track their application status.
- Seattle regulates the placement of speakers and sub woofers.

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Key Findings and Options

4

4 Key Findings and Options

4.1 Key Findings and Options

This section provides a summary of preliminary findings and potential next steps to enhance special event procedures and regulations. Based upon review of existing Long Beach procedures and best practices of evaluated cities, the following ideas are presented below for further discussion and review. The City of Long Beach currently employs a suite of best practices and the following discussion is intended to support continuation, refinement and expansion of best practices where appropriate.

City Consistency

With so many City departments being involved in some level of noise regulation, consistency and clear communication between departments is essential to regulating special event noise and responding to concerns. The City currently aims for consistency and clear communication between the various departments that regulate special events noise and respond to concerns, and to share sound mitigation measures and procedures with the public. The Office of Special Events and Filming has an online calendar with all Special Events, and they are incorporating Convention Center events in their website update. The City should consider the following additional strategies:

» Document the current process for inter-departmental communication.

» Provide informational bulletins and work more closely with the City Communication Department to share information regarding upcoming events and procedures in place to address noise.

Process

A clear, efficient, standardized process for all procedures related to Special Events increases predictability for residents and applicants. The process for all procedures related to Special Events is identified in Section 2.4, Office of Special Events and Filming. In addition to these procedures already in place, the City should consider the following additional strategies:

» Continue to develop procedures related to the posting of noise level requirements for large special events.

» Document the current protocol for application processing as a means for internal reference.

» Establish penalty fees or fines scaled to the size of the event (such as based on the number of people).

» If applicable, require a sound impact plan with sound conditions and mitigations detailed on the site plan at the time of application, as warranted by the size and scle of the event.

Transparency

Transparency is important for both residents impacted by noise, and for applicants looking to host a special event in Long Beach. Residents should be able to access up-to-date information on special events that may impact them, and applicants should be able to clearly discern the application process and their application's status. The City currently aims to share sound mitigation measures and procedures with the public. The City is in the process of developing procedures related to the posting of noise level requirements for large special events. The City should consider the following additional strategies:

» Determine the most effective method of providing public information on the procedures related to special event permitting and registering noise complaints (which could include the City's website, email list, and/or social media).

- Create a map function/app on website where residents can type in their address to see a list of special events that produce sound from in the next 30 days.
- Provide expanded information on the City's website to educate on the extent of existing measures, processes and actions in place (such as monitoring, addressing complaints, etc.).
- Provide greater transparency on the website such as posting approved information related to special events permits and compliance status.

Measurement

Accurate measurement is an important facet of noise monitoring and compliance. Currently, before a special event begins, Special Event staff may arrive at the event location with a calibrated sound meter to accurately reflect and record the sound readings of the day for larger scale events. The City should consider the following additional strategies:

- Employ a third party sound engineer to measure sound levels at predetermined events, make on the spot recommendations during the event, and create an after event report detailing sound levels and any actions taken. This may include the placement of temporary portable sound measuring devices during the busy months of May through September.
- Charge event fees that provide for these sound engineers at events.

Appendix

A

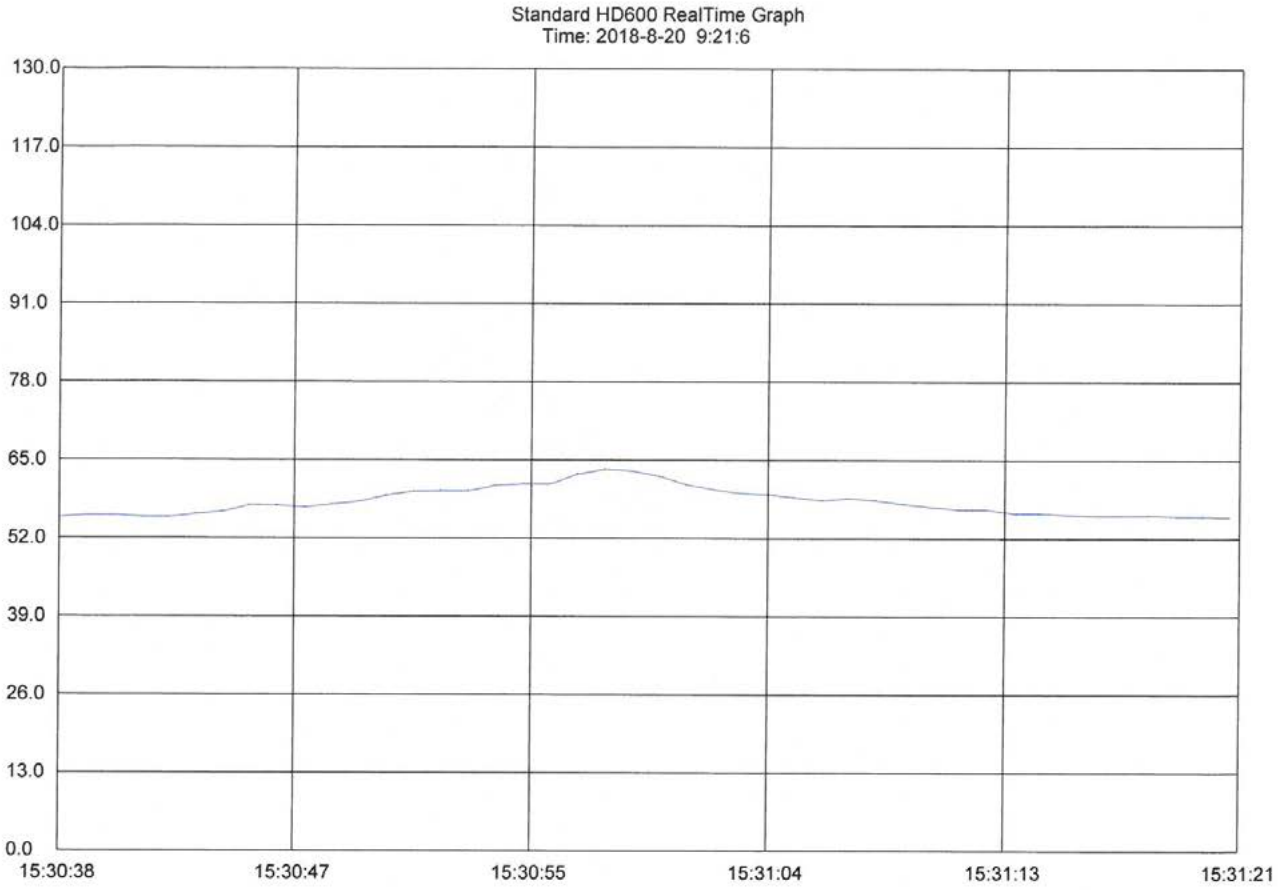
A Appendix

A.1 Sound Readings

Due to community concern over sound readings at special events and in an effort towards transparency, sound readings have been provided in this Appendix. These sound readings are the official readings taken with calibrated equipment at the following special events, all having occured since the inception of this analysis:

- Long Beach BBQ Festival, August 17-19, 2018
- Long Beach Pride, May 18-20, 2018
- Music Tastes Good, September 29-30, 2018
- Sun Soaked Kaskade, July 21, 2018
- Long Beach Pride, May 17-19, 2019
- Queen Mary One Love Cali Reggae Festival, February 8-10, 2019
- Worship Encounter, June 22, 2019

A.1.1 Long Beach BBQ Festival



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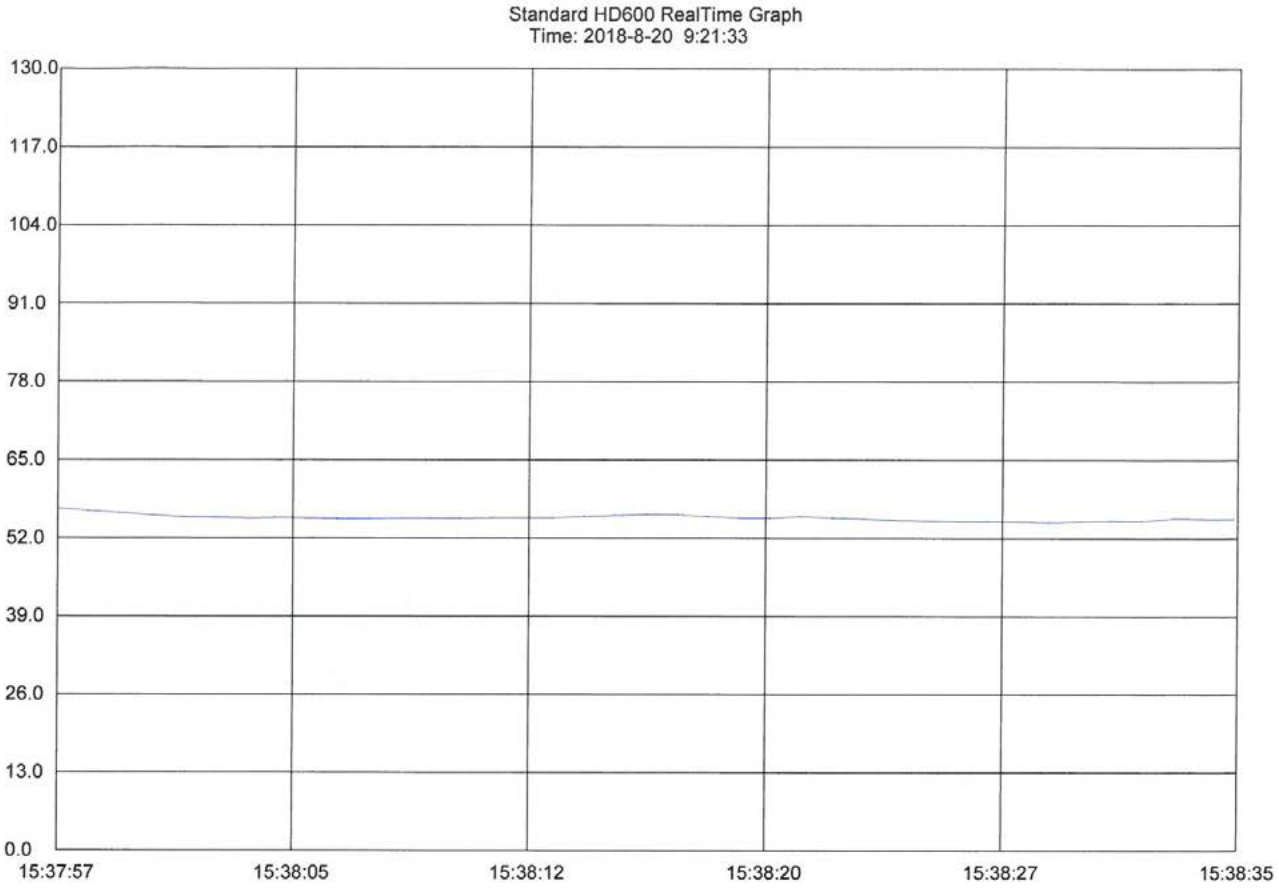

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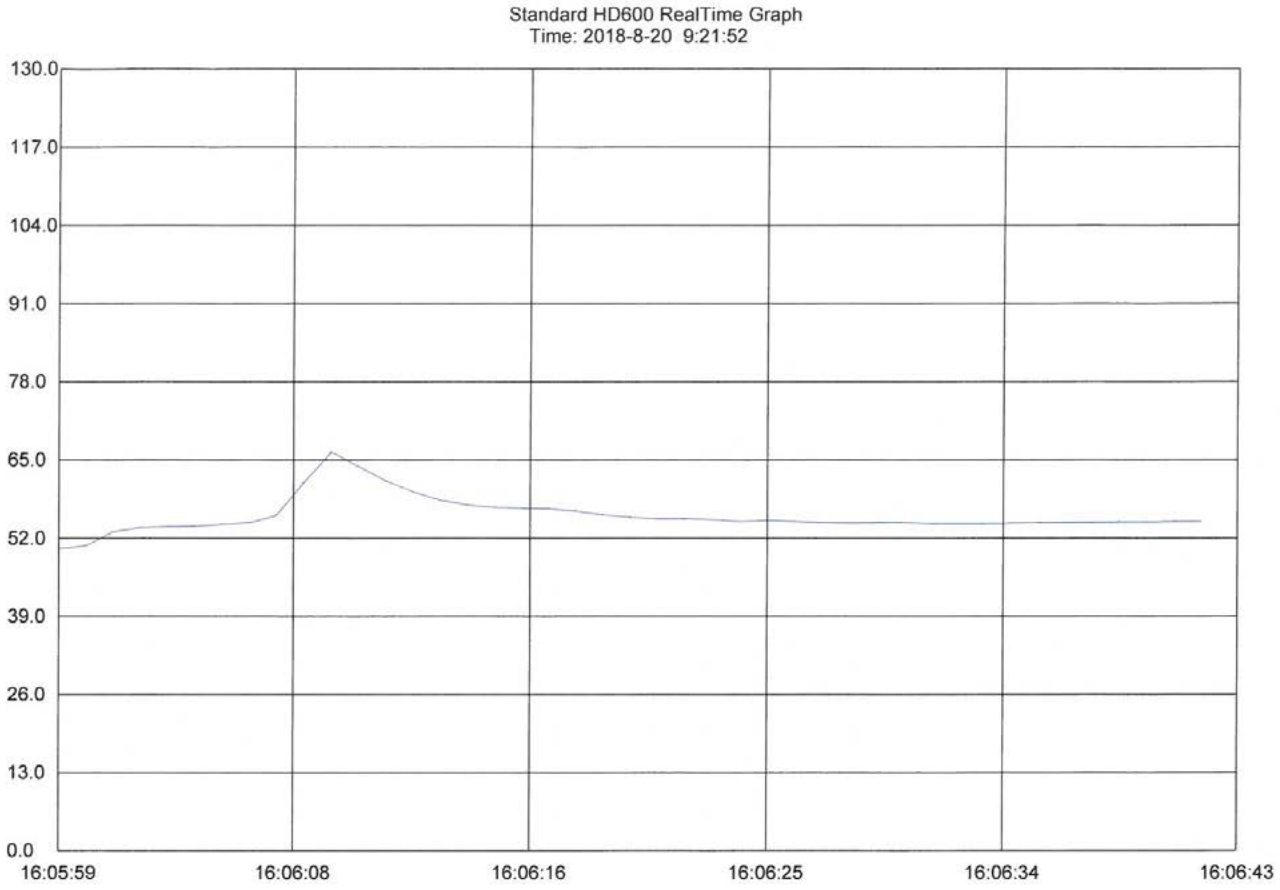

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A.1.2 Long Beach Pride (2018)

FIESTA CALIENTE

STAGE SCHEDULE:

SATURDAY MAY 19, 2018

11:00AM - 3:00PM * DJ FARABIA (SAN DIEGO)

3:00PM - 4:00PM * DJ EDUARDO (LOS ANGELES)

PERFORMER: WILLIAM GARZA @ 4:00PM – 4:20PM

4:20PM - 5:00PM - DJ EDUARDO (LOS ANGELES)

PERFORMER: CRISTA BELLA @ 5:00PM – 5:20PM

5:20PM – 6:15PM – DJ ALEX (LOS ANGELES)

PERFORMER: AMARA LA NEGRA @ 6:15PM – 6:45PM

6:45PM – 8:00PM - DJ ALEX (LOS ANGELES)

8:00PM – 10:00PM – DJ TATIANA (DENVER)

FIESTA CALIENTE

STAGE SCHEDULE:

SUNDAY, MAY 20, 2018

11:00AM - 2:30PM - DJ EDUARDO (LOS ANGELES)

PERFORMER: WILLIAM GARZA @ 2:30PM – 3:30PM

3:00PM - 3:30PM – DJ TATIANA (DENVER)

PERFORMER – CRISTA BELLA @ 3:45PM – 4:05PM

4:05PM - 4:45PM – DJ TATIANA (DENVER)

PERFORMER - SELENA BAND @ 4:45PM – 5:30PM

5:30PM - 6:00PM – DJ ALEX (LOS ANGELES)

PERFORMER – AMARA LA NEGRA @ 6:00PM – 6:30PM

6:30PM – 7:15PM - DJ ALEX (LOS ANGELES)

PERFORMER – ANA BARBARA @ 7:15PM – 8:30PM

8:30PM – 10:00PM – DJ KIDD MADONNY (MIAMI)

main Stage

Saturday

Stage Name	Performance Time	
Echo V -Group - Tracks	8:00pm -8:10	
Stepho - Singer-Tracks	8:10pm-8:25pm	*Singing to tracks
Jussie Smollet -Headliner Band	8:30pm - 9:30pm	
DJ Spark	9:35pm - 9:55pm	

Sunday

Krave Spring Break - DJ	6:00pm-8:40pm
Sheila E.- Headliner (Band)	8:45pm - 9:45pm
DJ Dopamine	9:45pm-9:55pm

main Stage

Dance 35-5 Dance

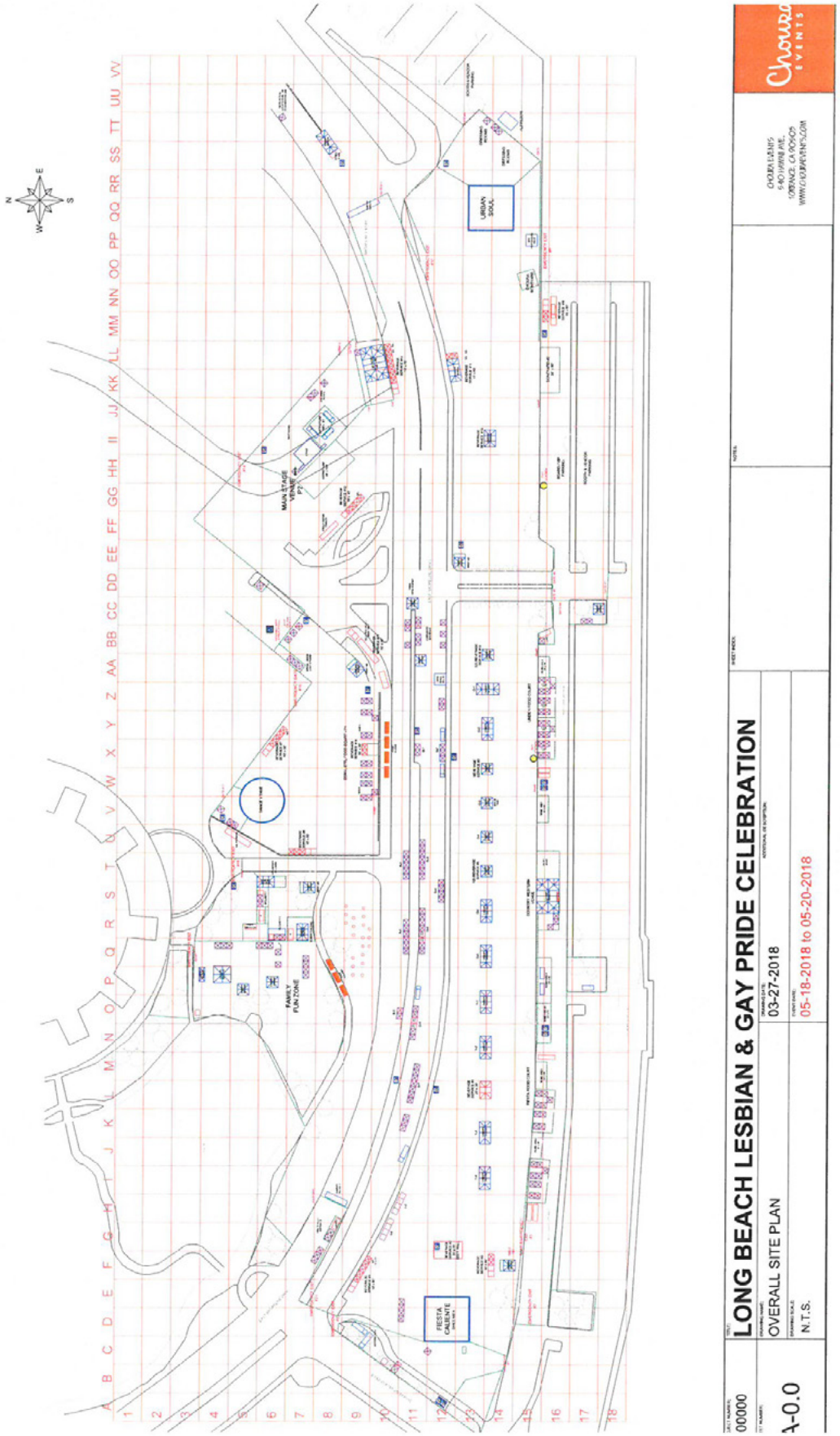
Saturday

Stage Name	Artist First Name	Artist Last Name	Performance Time
DJ Notorious Jen	Jennifer	Zepeda	11:00am-2:00pm
Noir D Costas	Bryant	Acosta	2:00pm-6:00pm
DJ Groovesection	Rodell	Laurel	6:00pm - 8:00pm
DJ Lezlee	Leslie	Santos	8:00pm-10:00pm

Stage Name	Artist First Name	Artist Last Name	Performance Time
Sunday			
DJ Sha	Joseph	Cervantes	12:00pm-4:30pm
DJ Potira	Renata	Ramer	4:30pm-6:30pm
DJ Lepold	Leopold	Nunan	4:30pm-6:30pm
Paul Cowling	Paul	Cowling	6:30pm-8:30pm
DJ Irene	Irene		8:30pm-10:00pm

URBAN SOUL STAGE LINE-UP

DAY	STAGE NAME	FIRST NAME	LAST NAME	SET TIME
SATURDAY	DJ KIKI SD	KRISTEN	KOENING	11AM-1PM
SATURDAY	DJ HEAVY D	DAVID	SANCHEZ	1PM-3PM
SATURDAY	DJ EKSEL	FERNANDO	PEREZ	3PM-5PM
SATURDAY	DJ TISH	TISHA	CORLEONE	5PM-7:30PM
SATURDAY	HEADLINER DANILEIGH	DANIELL	CURIEL	7:30PM 8:15PM
SATURDAY	DANCER DJ KEEBLER	FABIAN	HERRERA	8:15PM- 10PM
SUNDAY	DJ PINKE	CHRISTINA	PETRE	11AM-1PM
SUNDAY	DJ JIJI SWEET	JACINDA	SWEET	1PM-2:30PM
SUNDAY	ARTIST TYTUS	TYTUS	GIBSON	2:30PM-2:45PM
SUNDAY	DJ 2LIPS	JOHANNA	MARTINEZ	3PM-4PM
SUNDAY	HEADLINER AMARA	DANA	DANELYS	PENDING
SUNDAY	DJ TISH	TISHA	CORLEONE	4PM-7PM
SUNDAY	ARTIST HYM	ELIJAH	WYCOFF	7PM-7:20PM
SUNDAY	DJ GHEN	MICHAEL	PATTERSON	7:20PM-10PM
HOST	HOST ASIA	ASIA	WILLIAMS	1PM-6PM


LONG BEACH LESBIAN & GAY PRIDE CELEBRATION
OVERALL SITE PLAN
N.T.S.
03-27-2018
05-18-2018 to 05-20-2018
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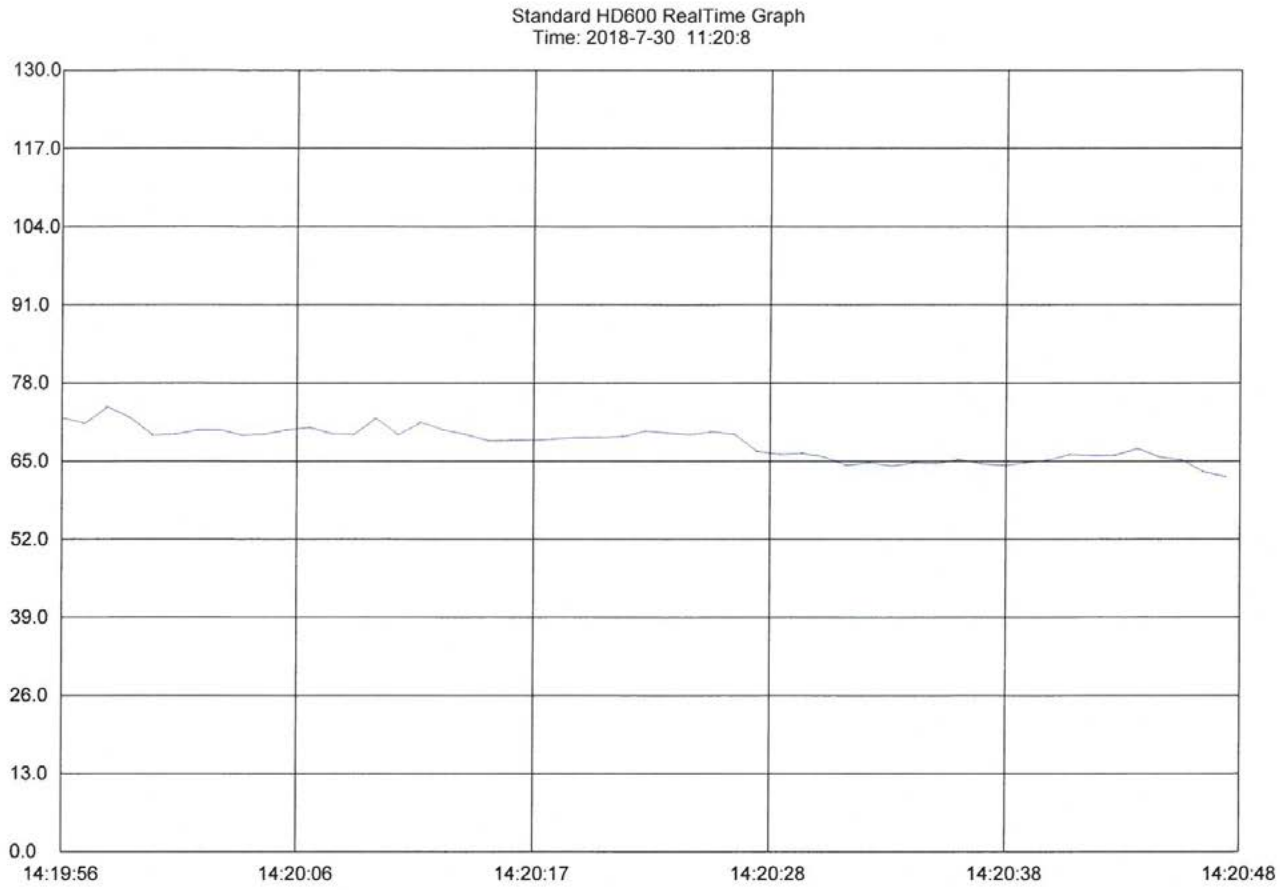
A-0.0
MAIN STAGE
URBAN SOUL
FESTA FAMILIA
FAMILY FUN ZONE



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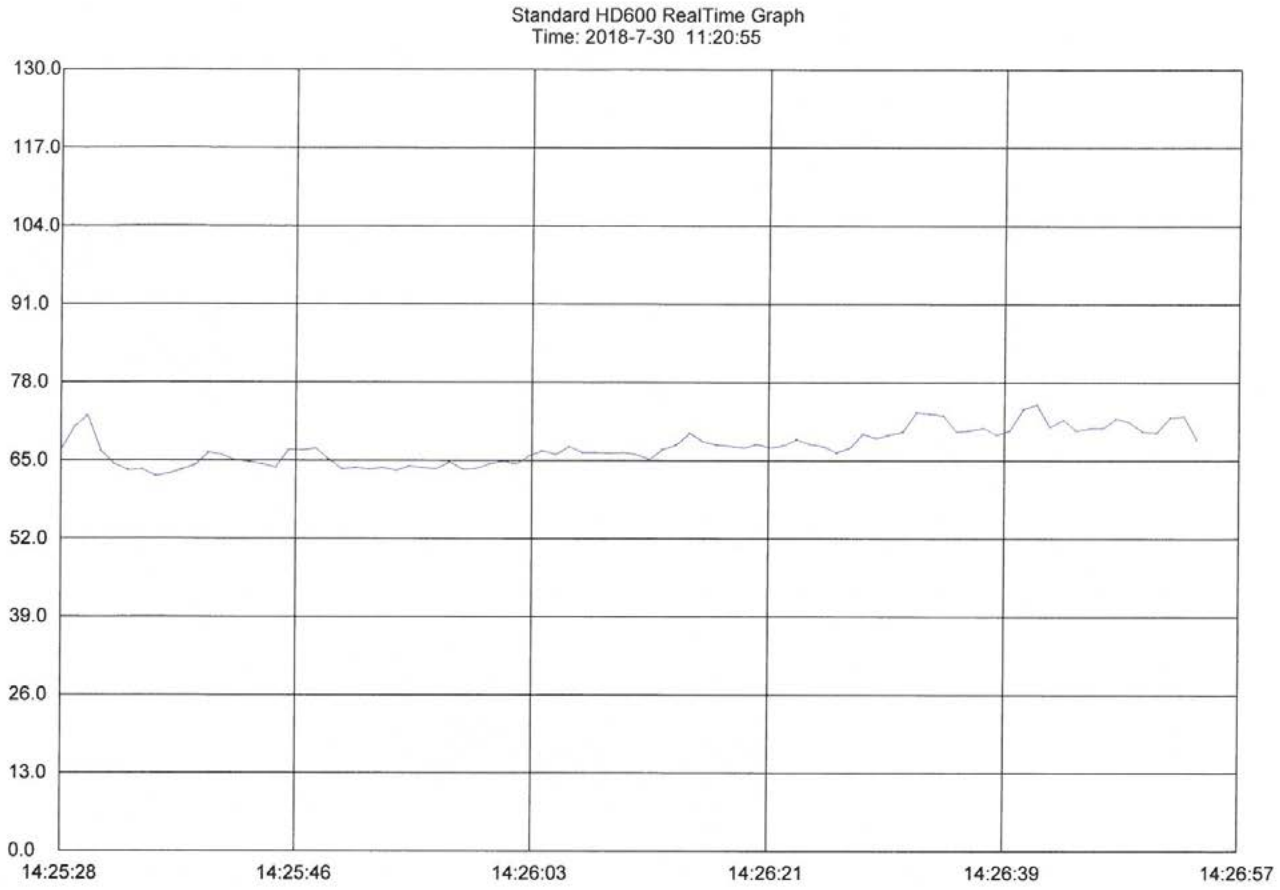

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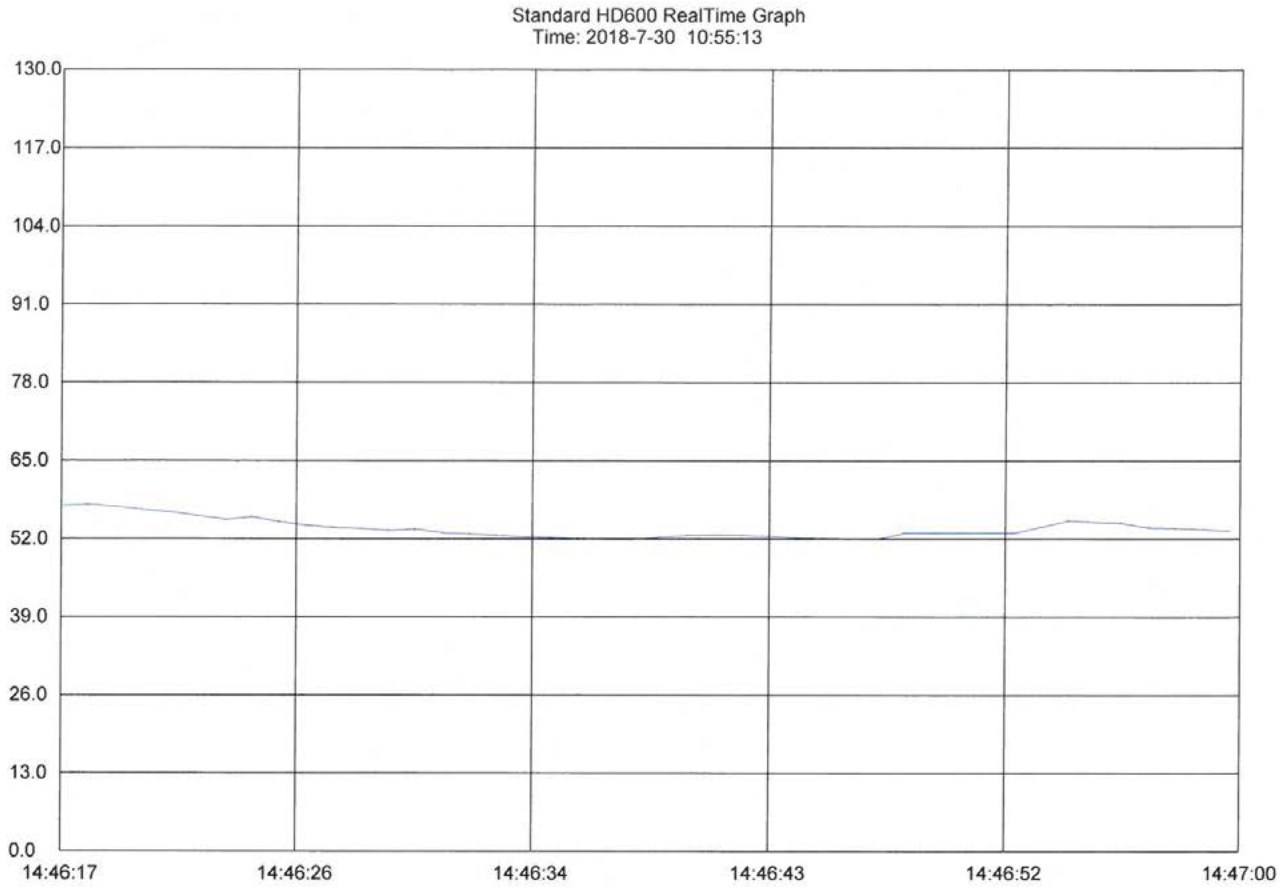

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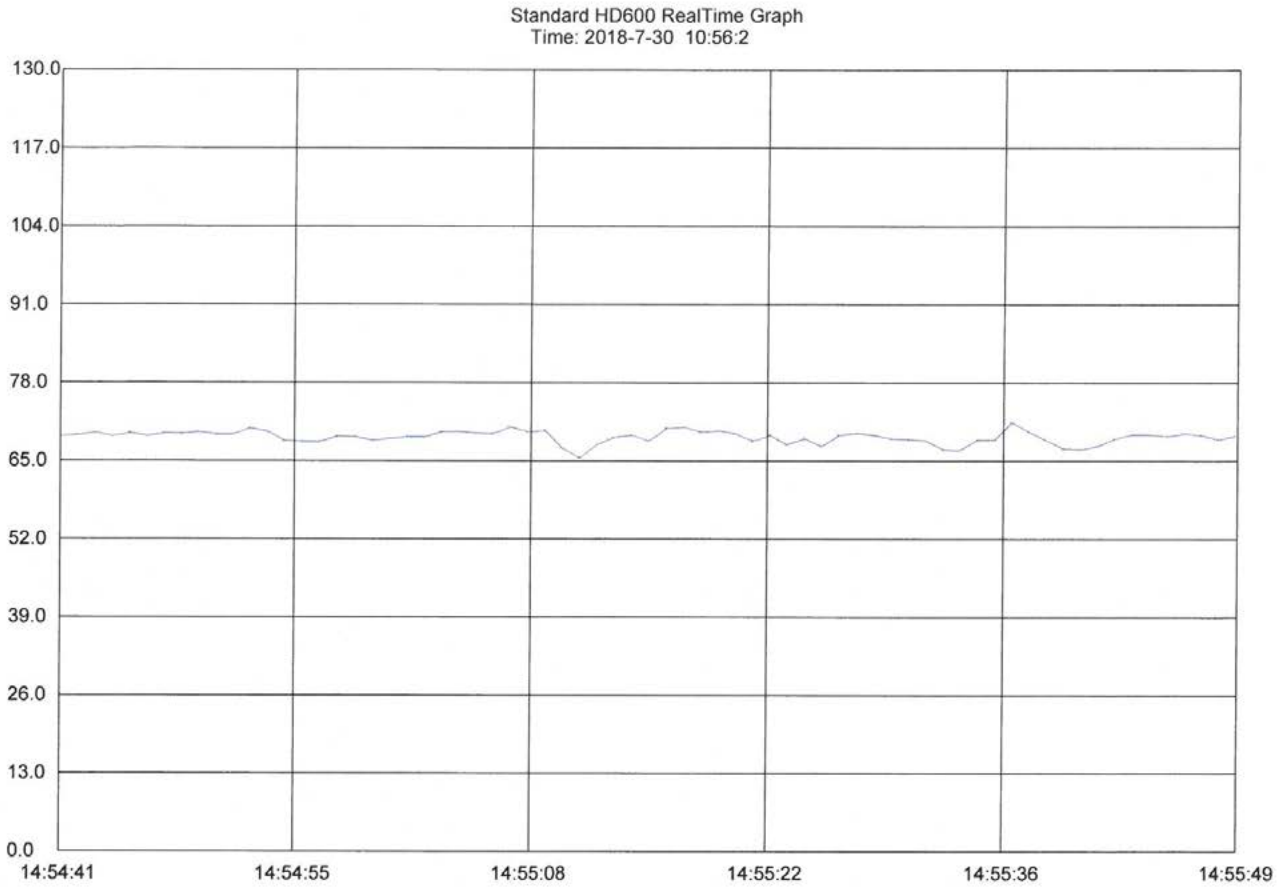

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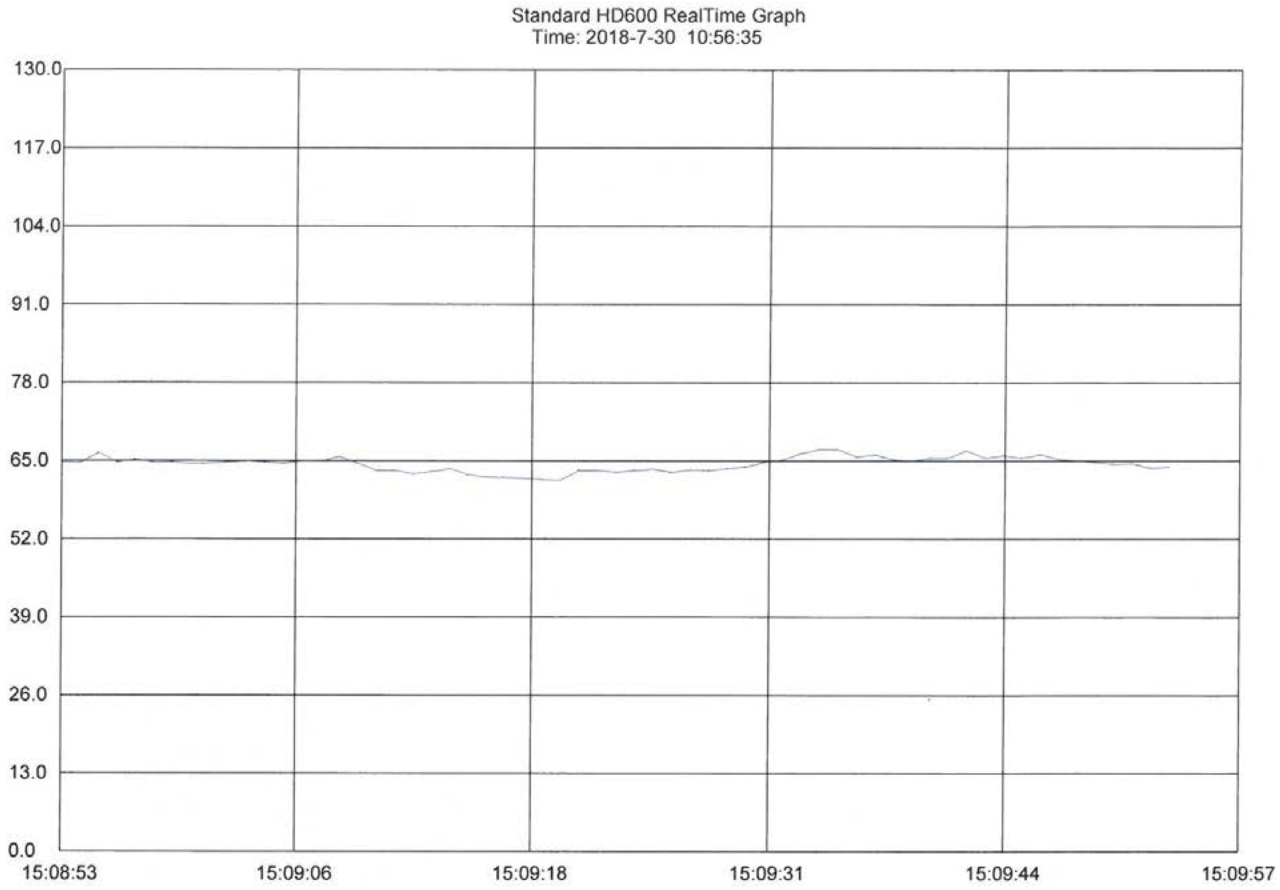

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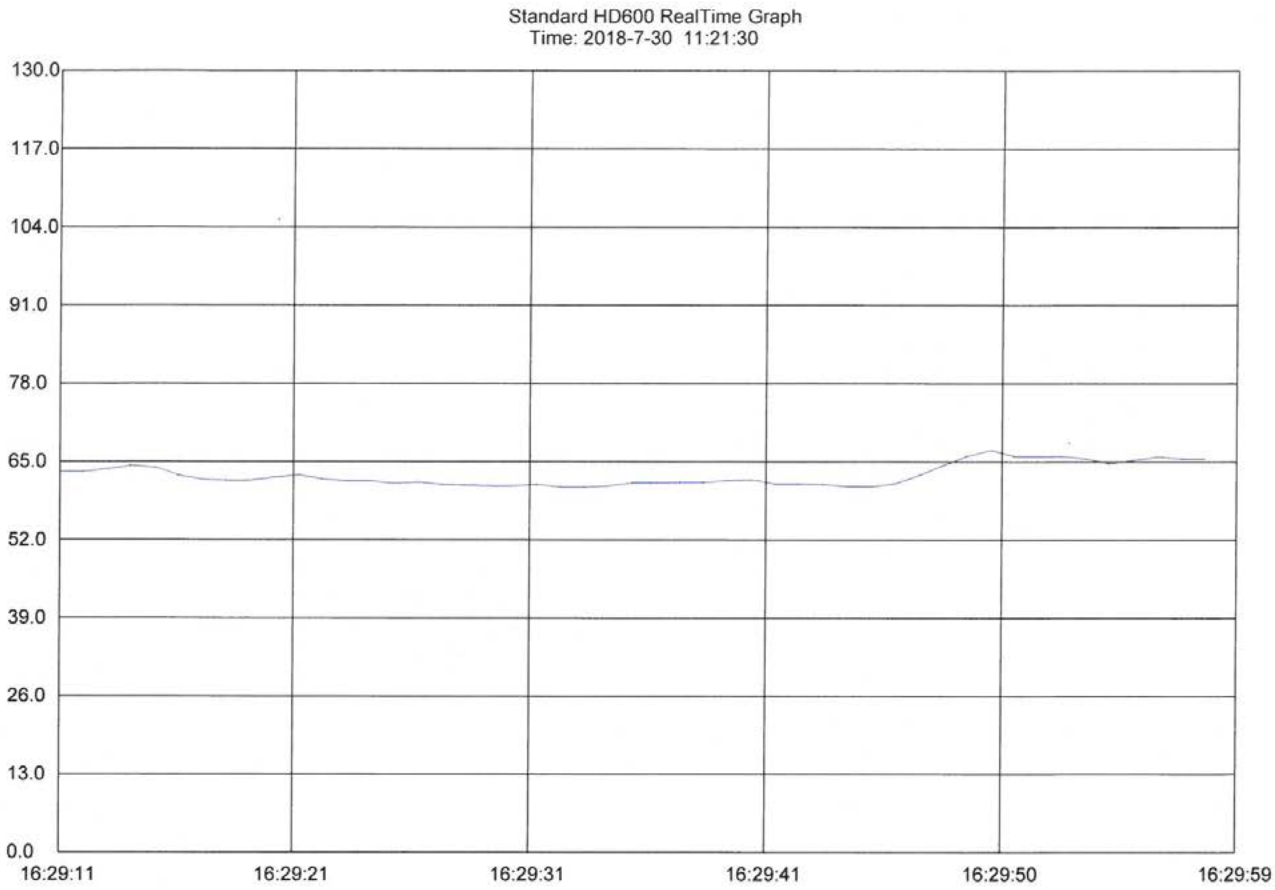

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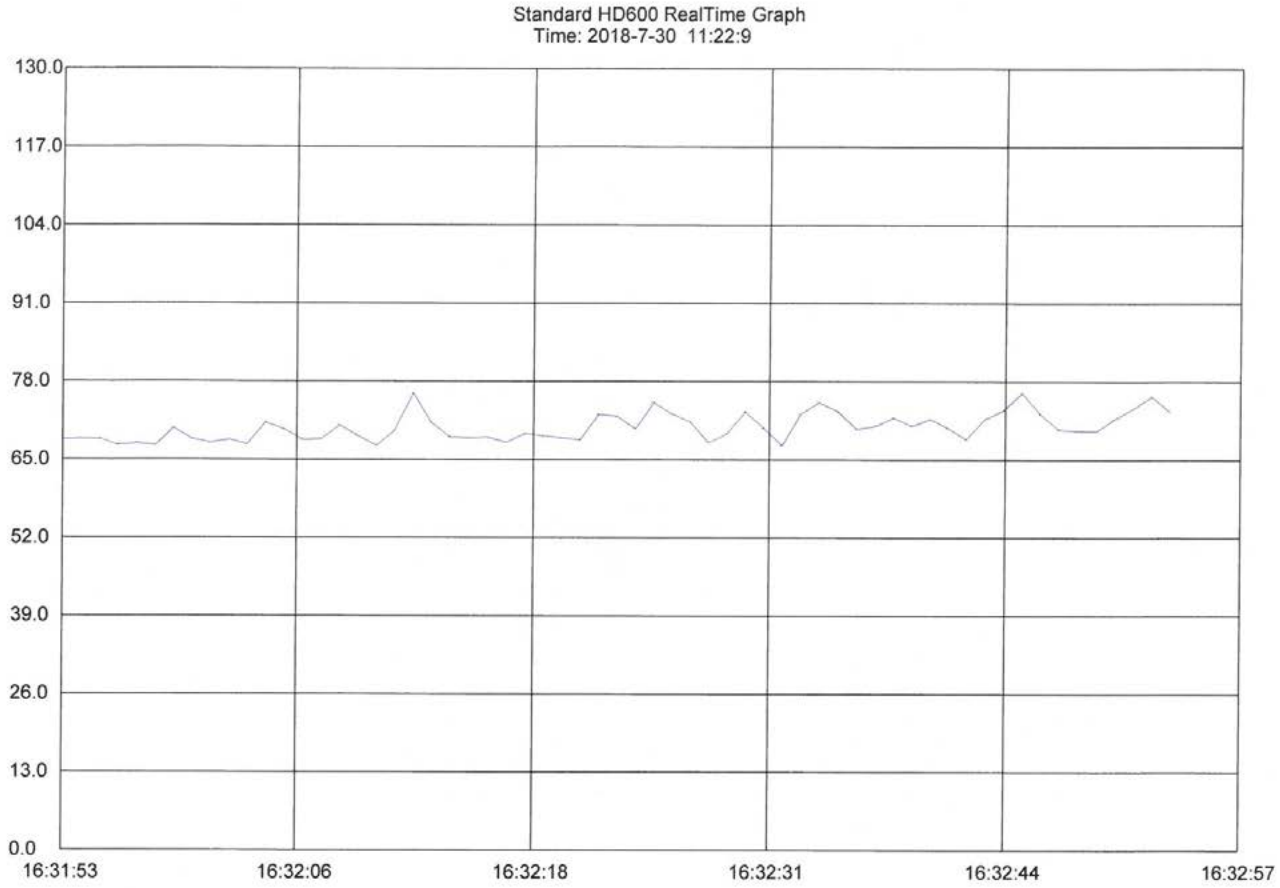

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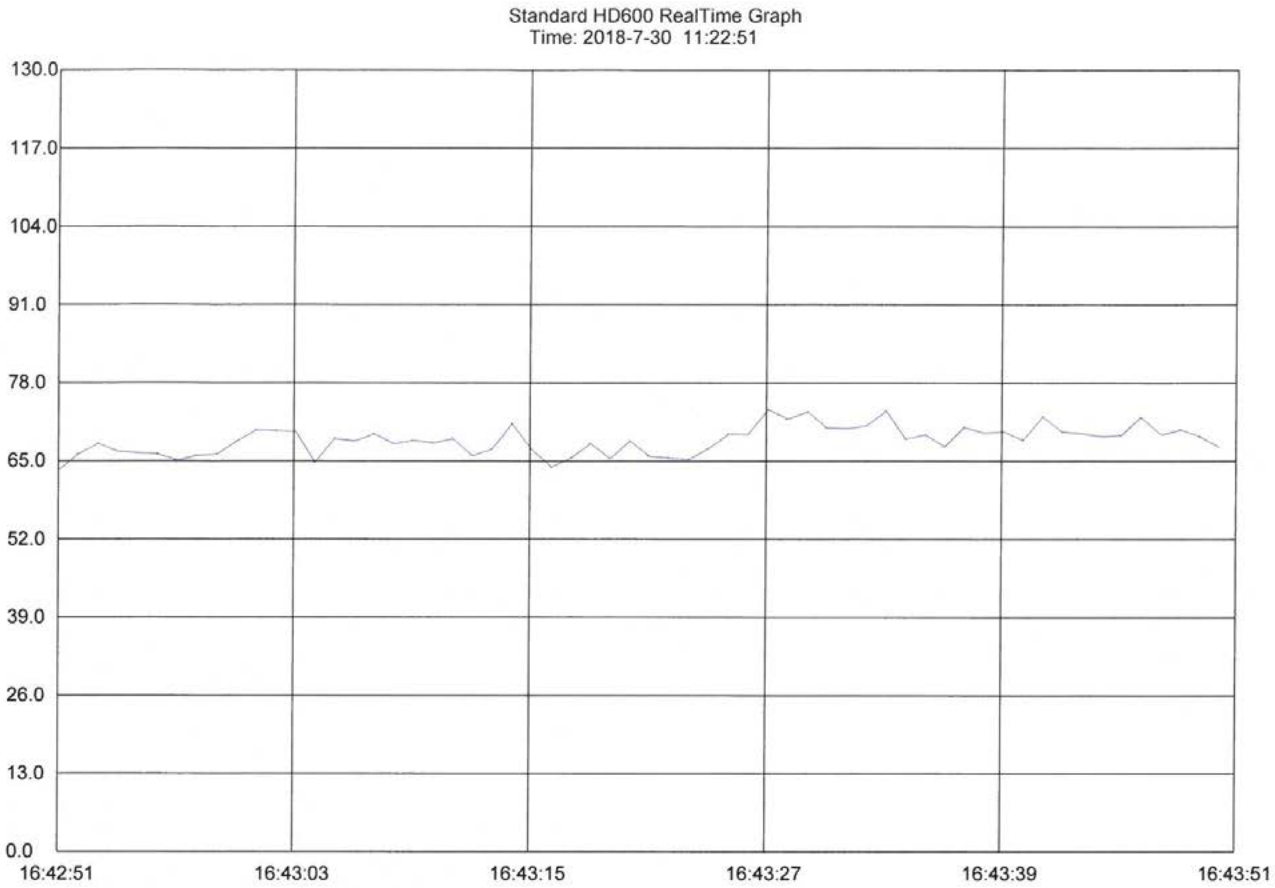

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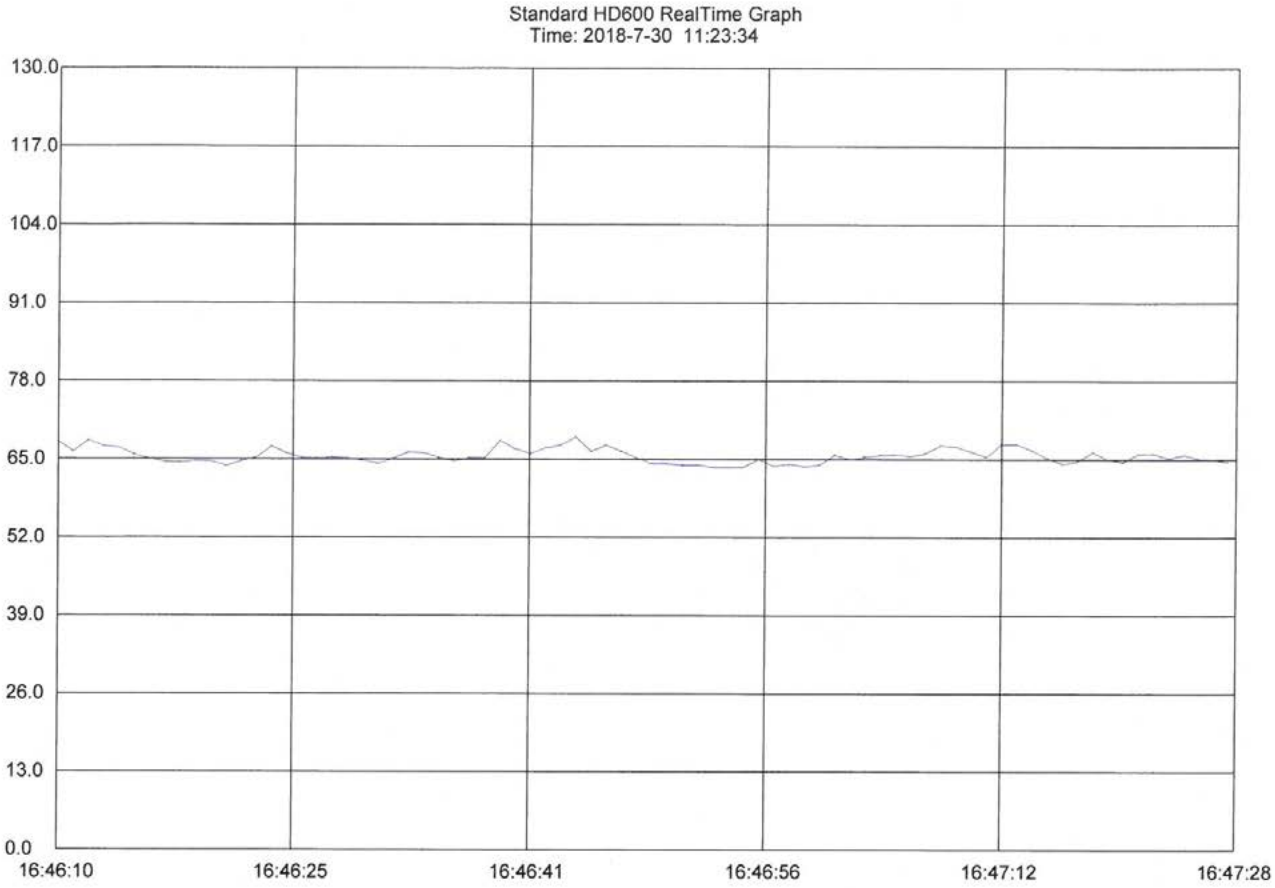

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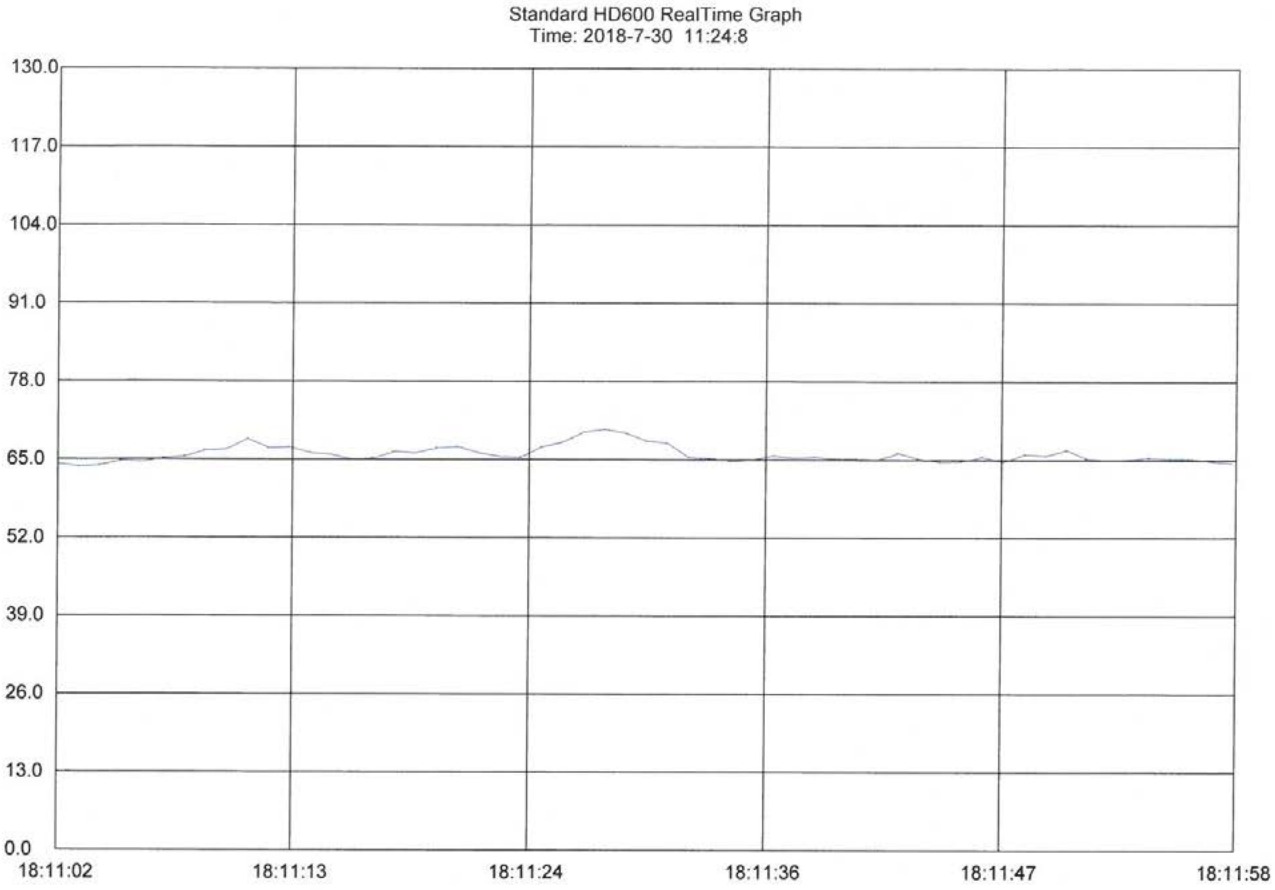

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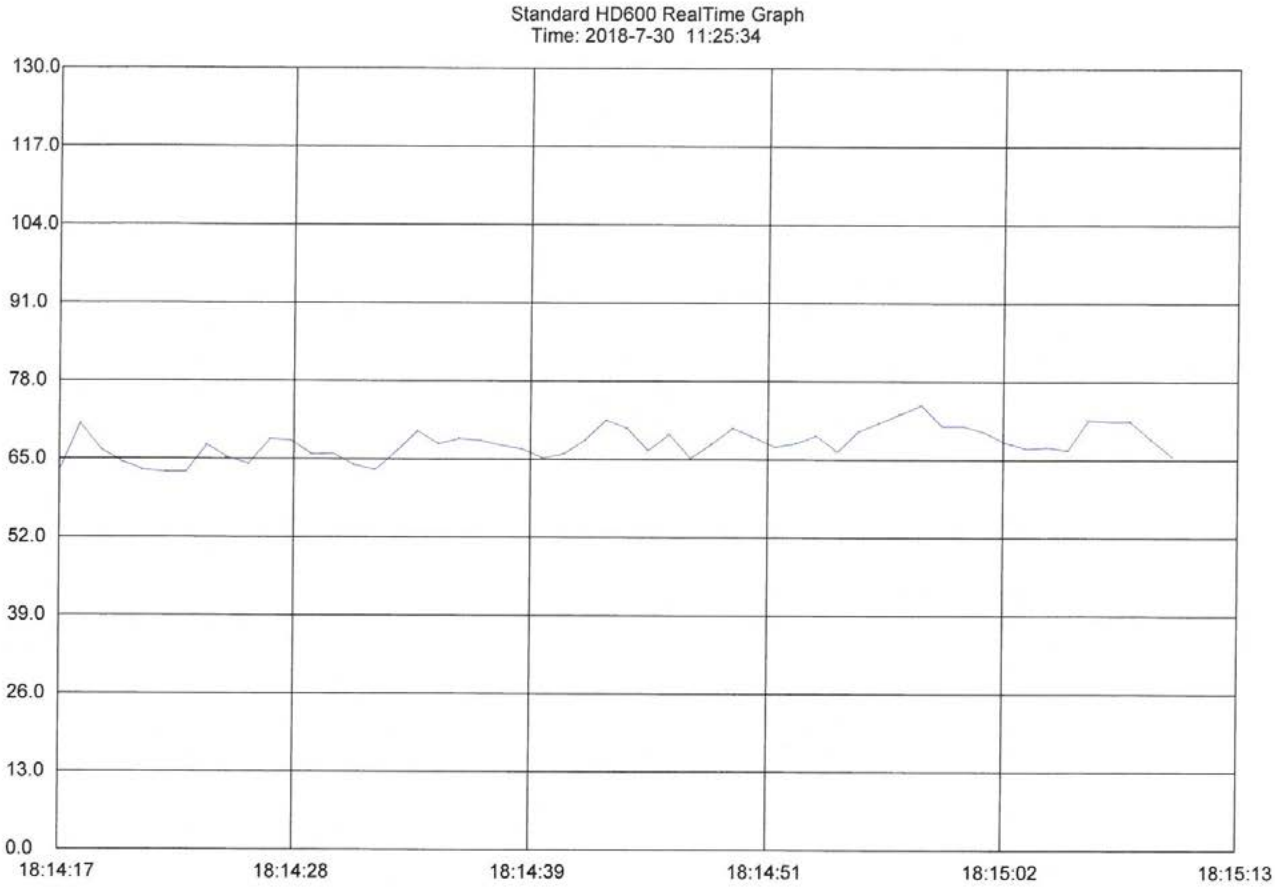

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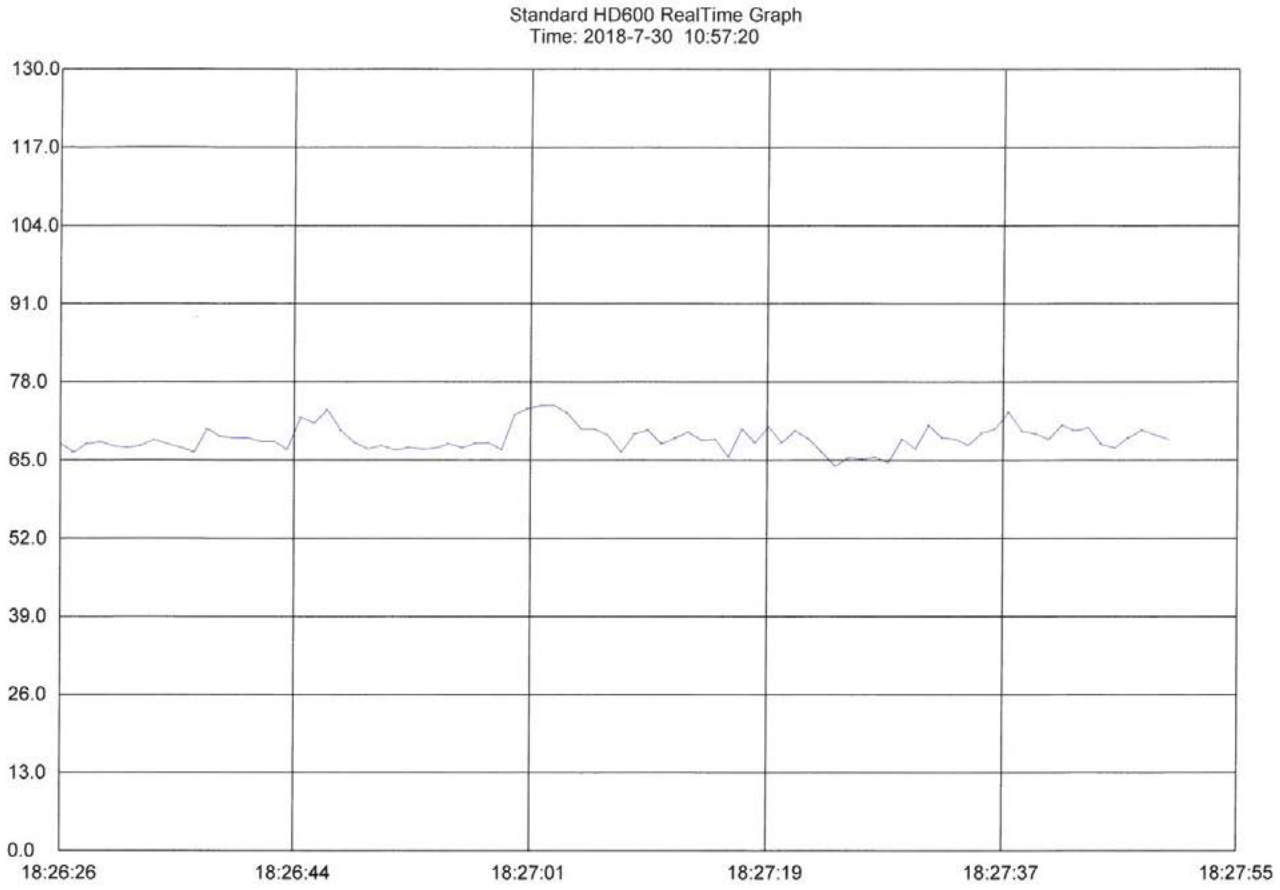

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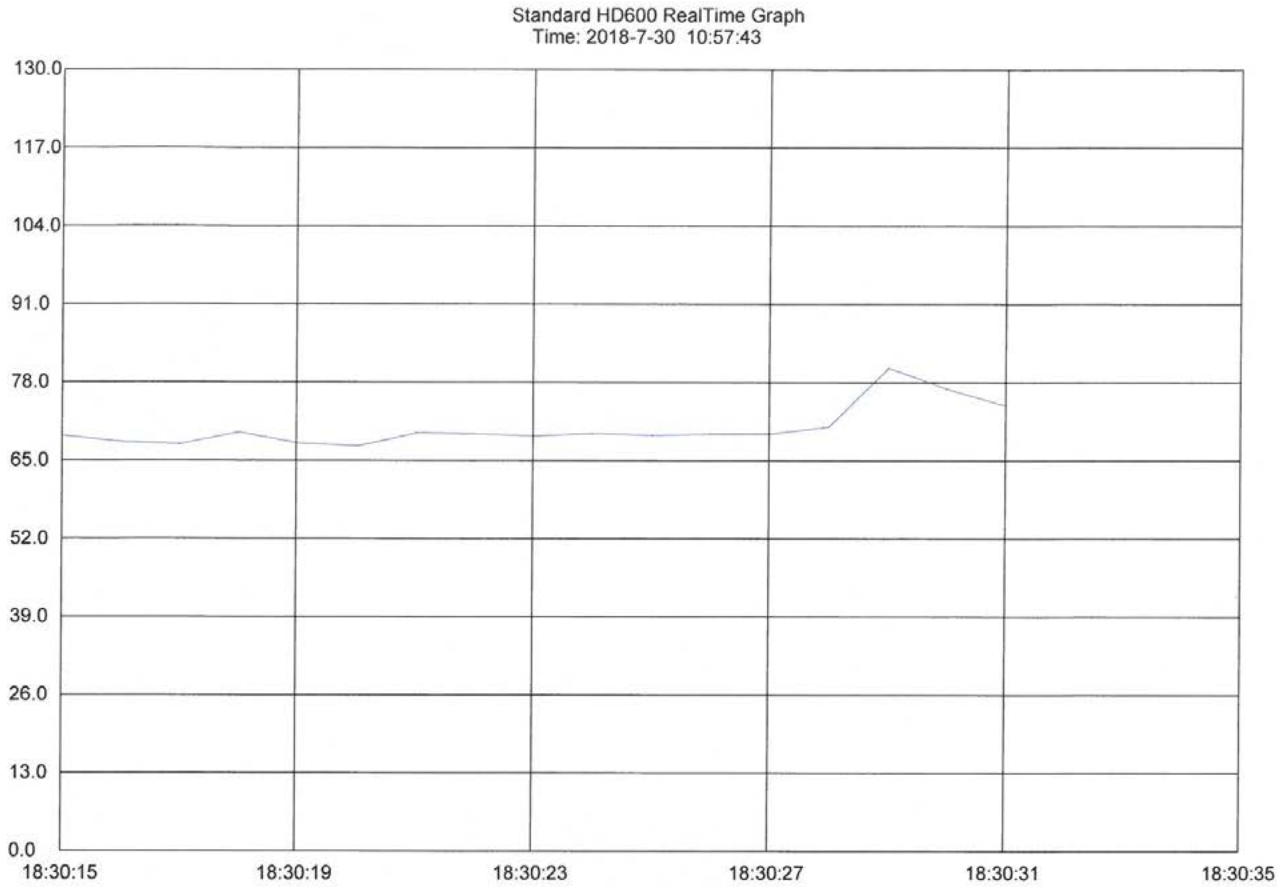

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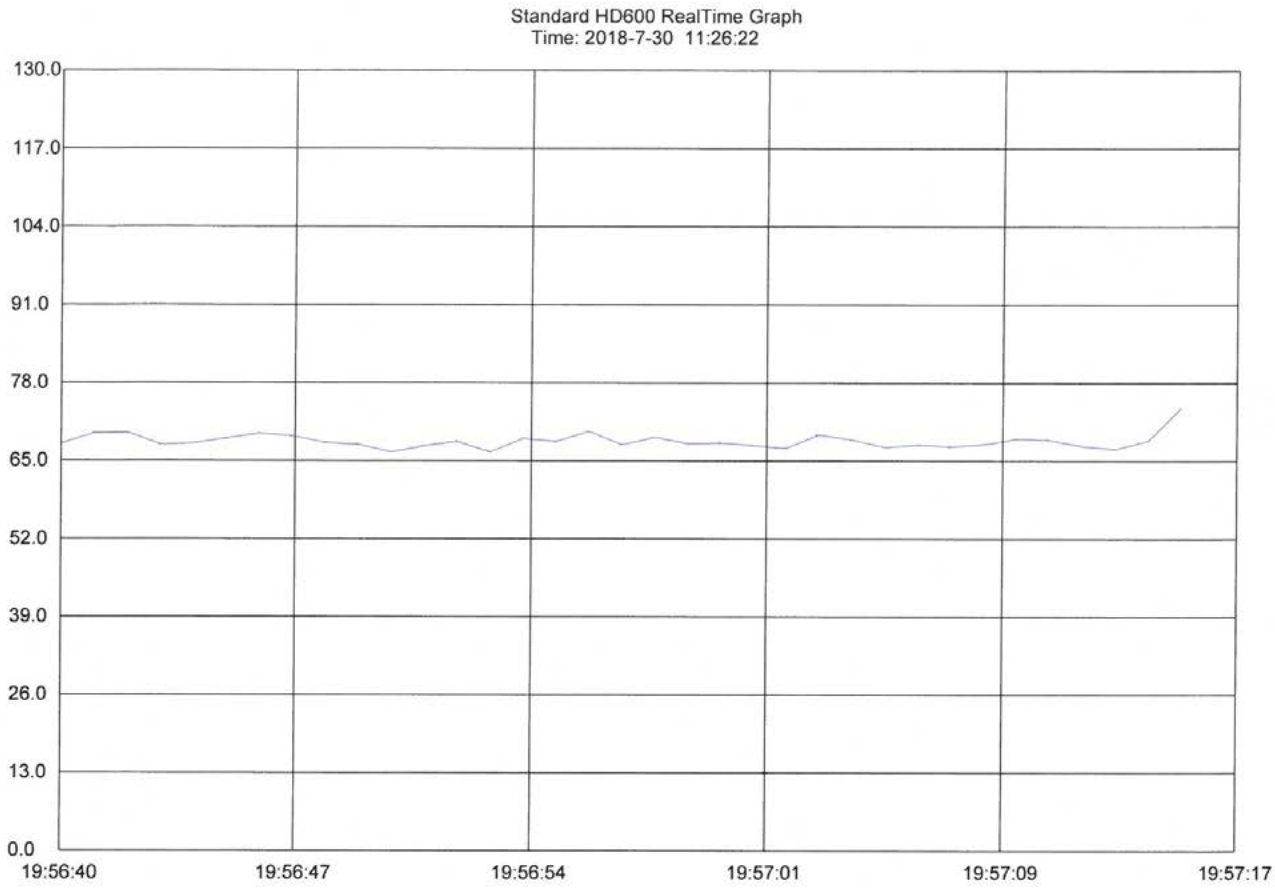

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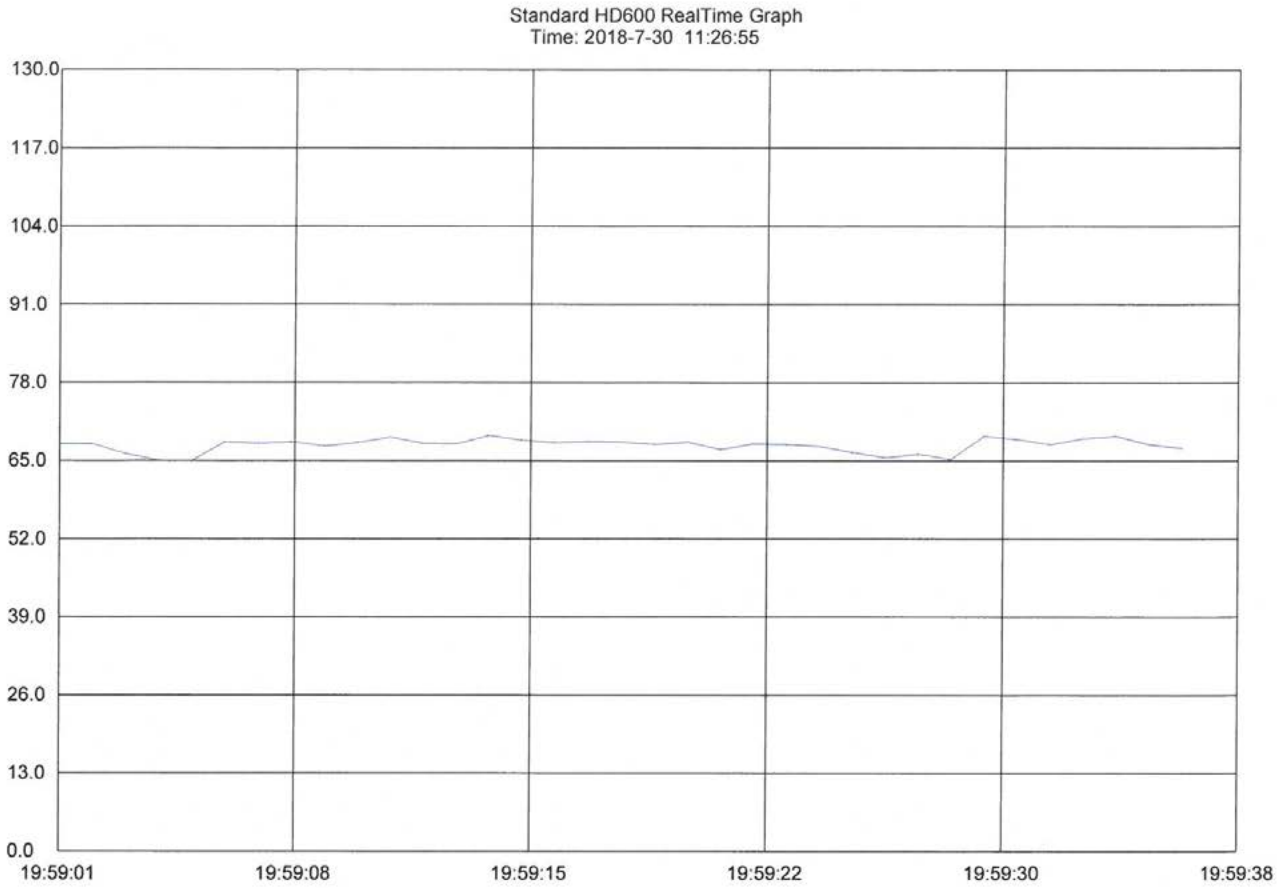

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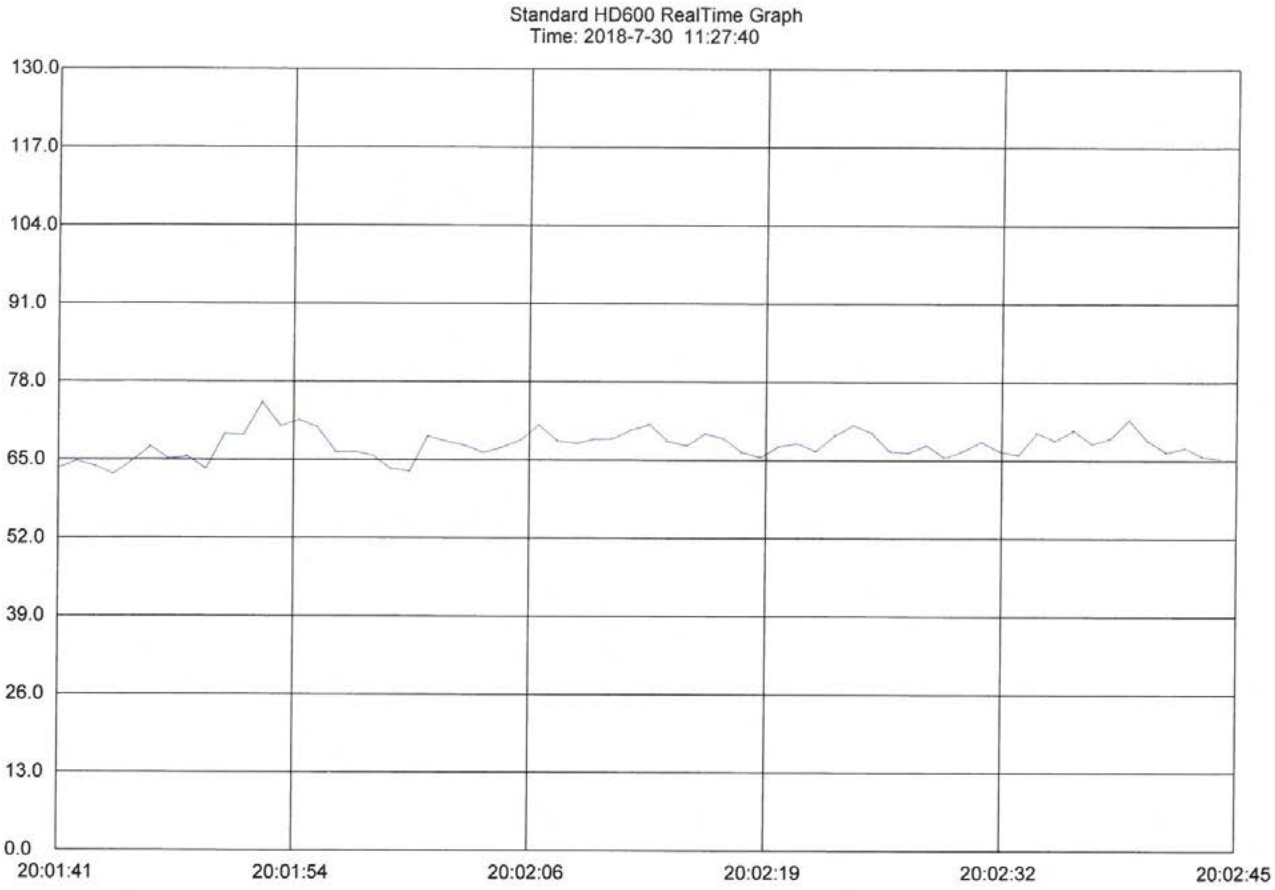

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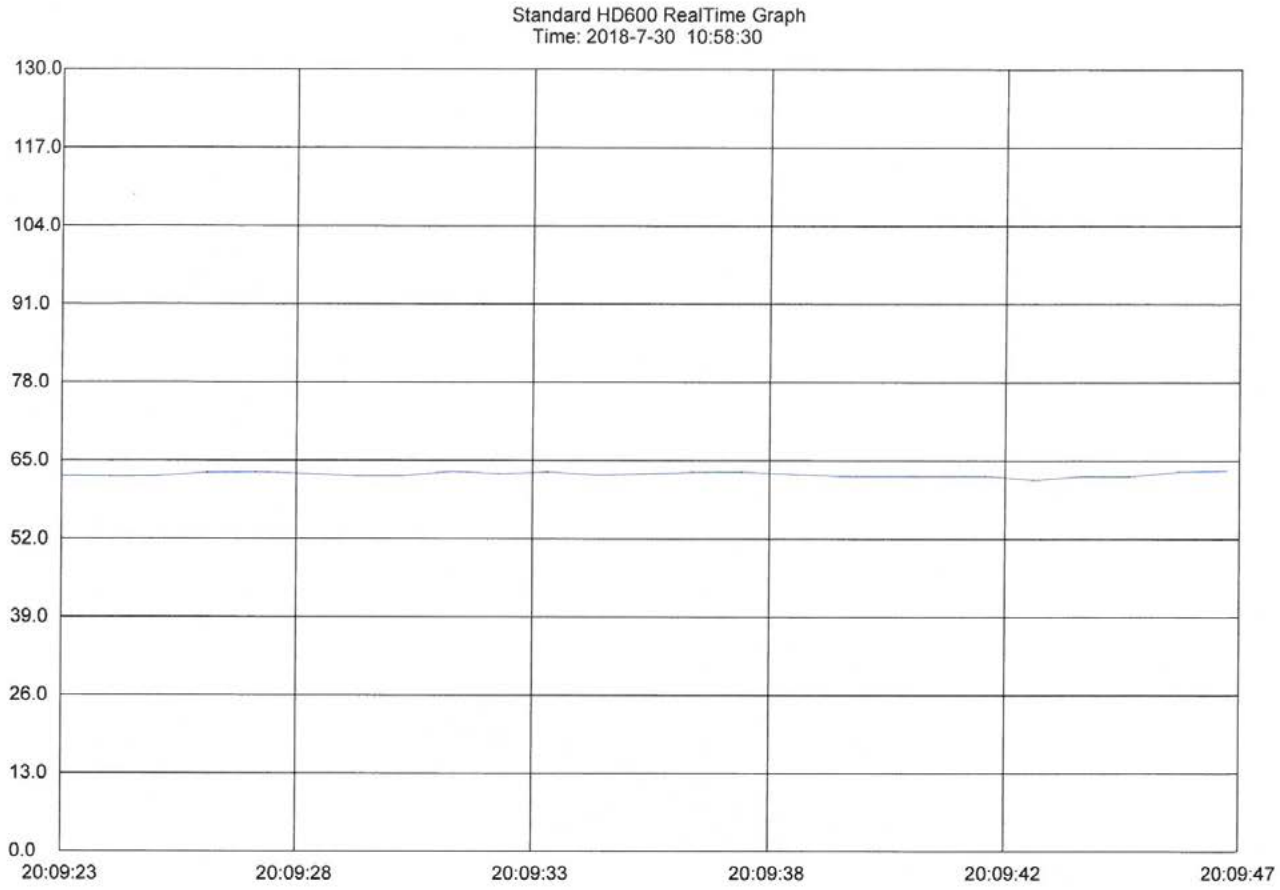

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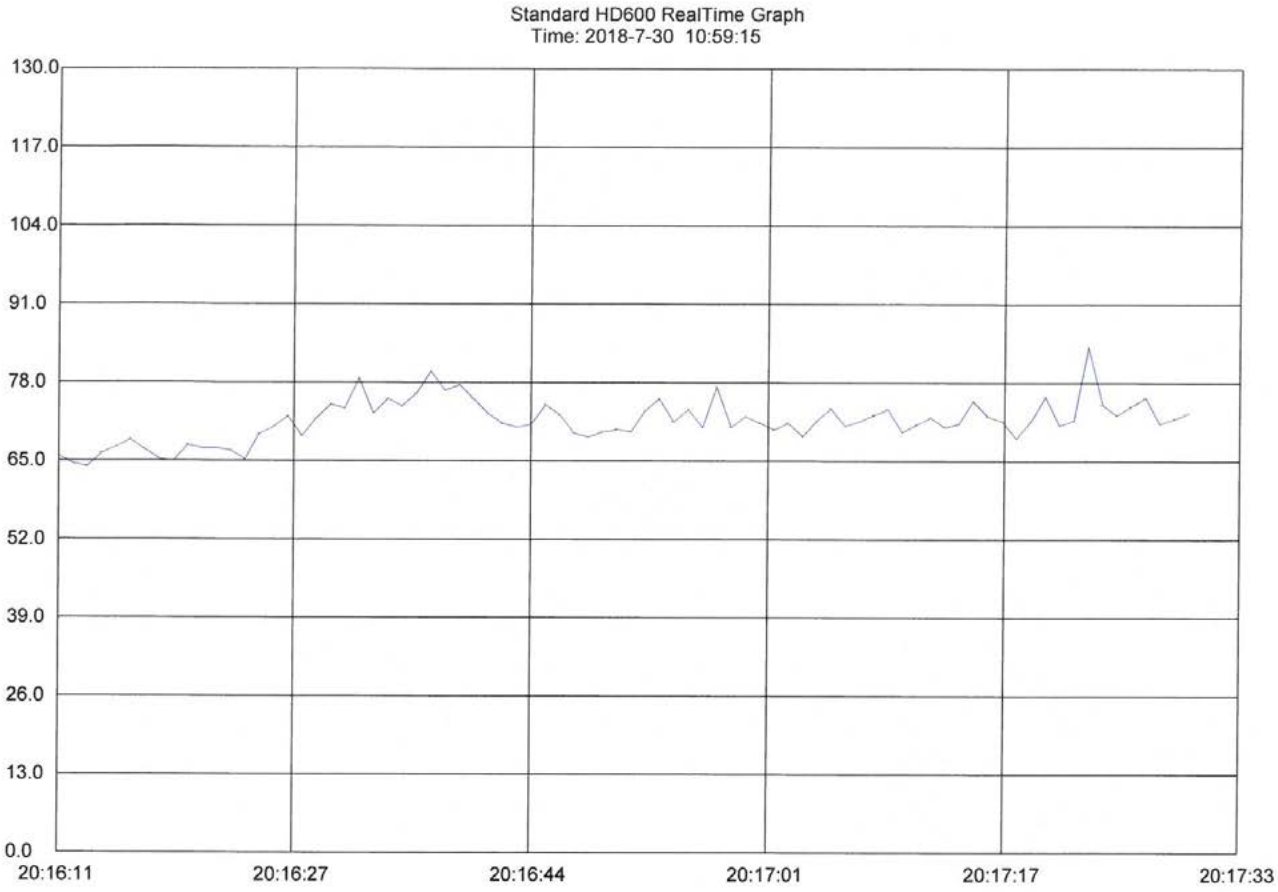

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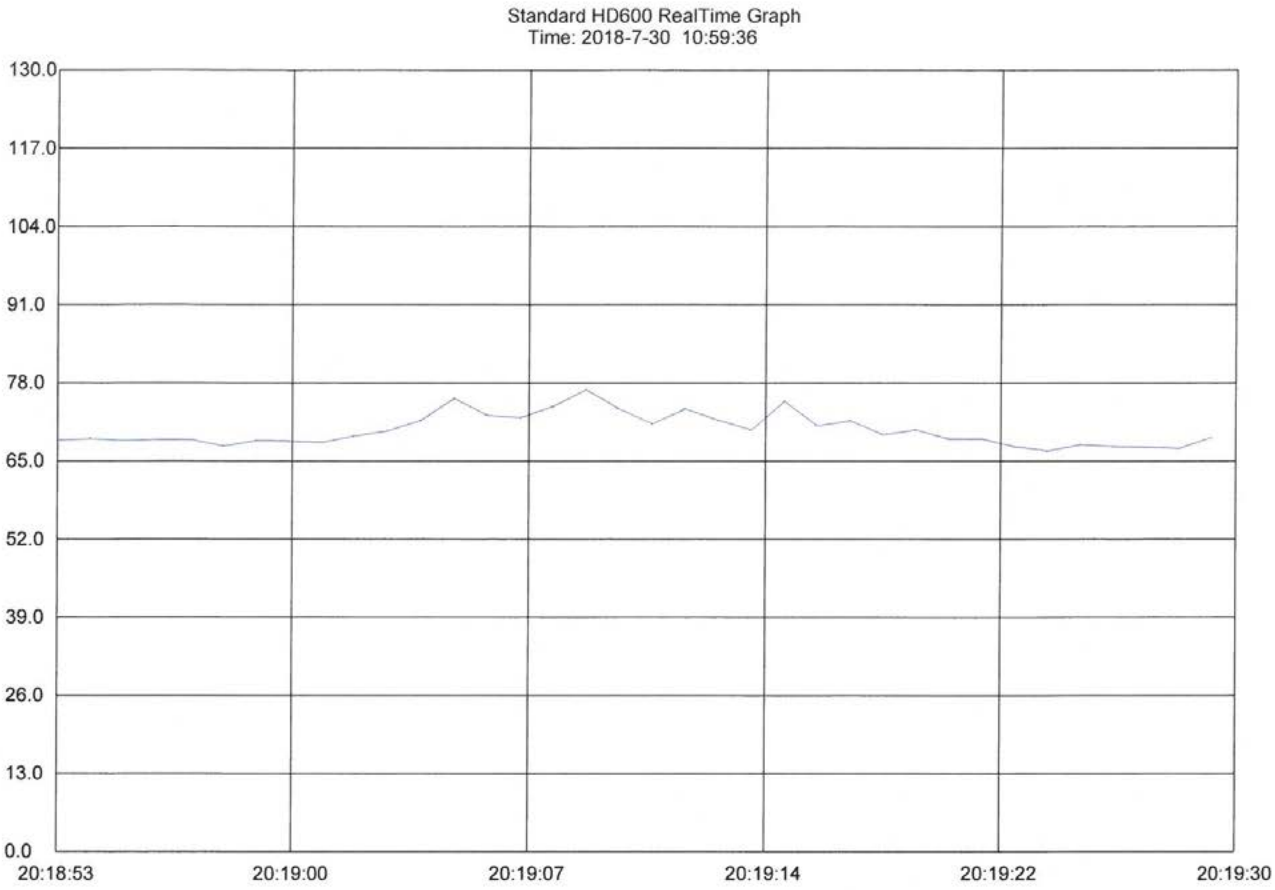

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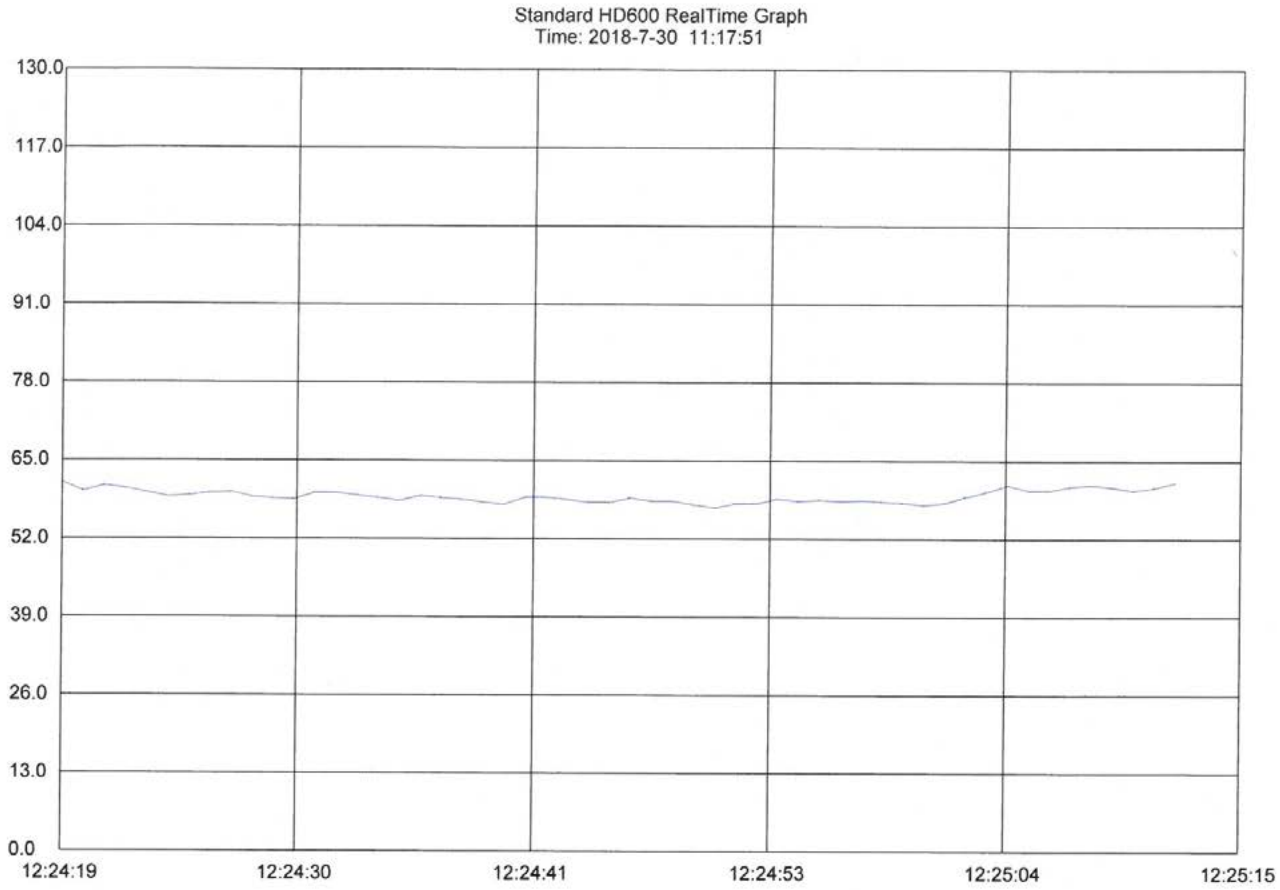

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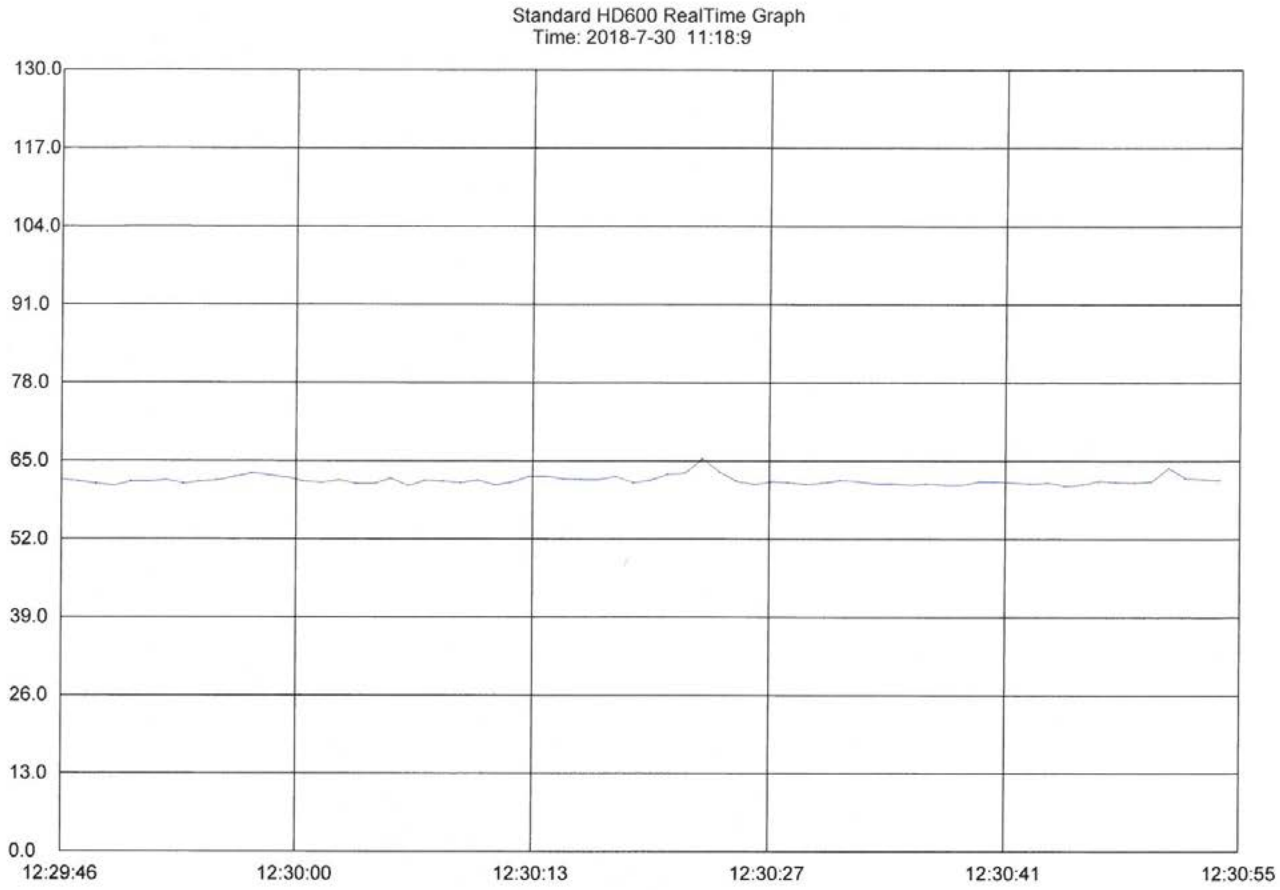
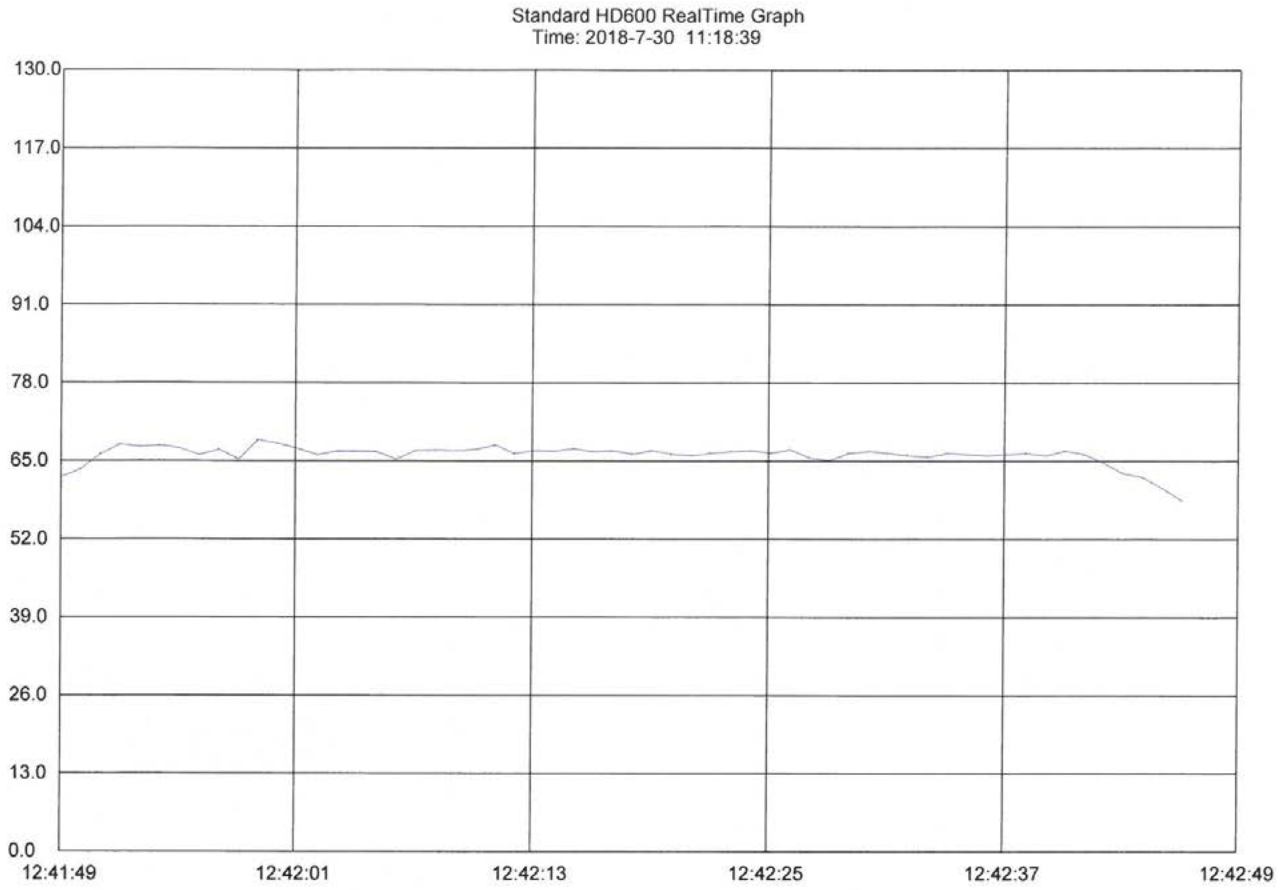
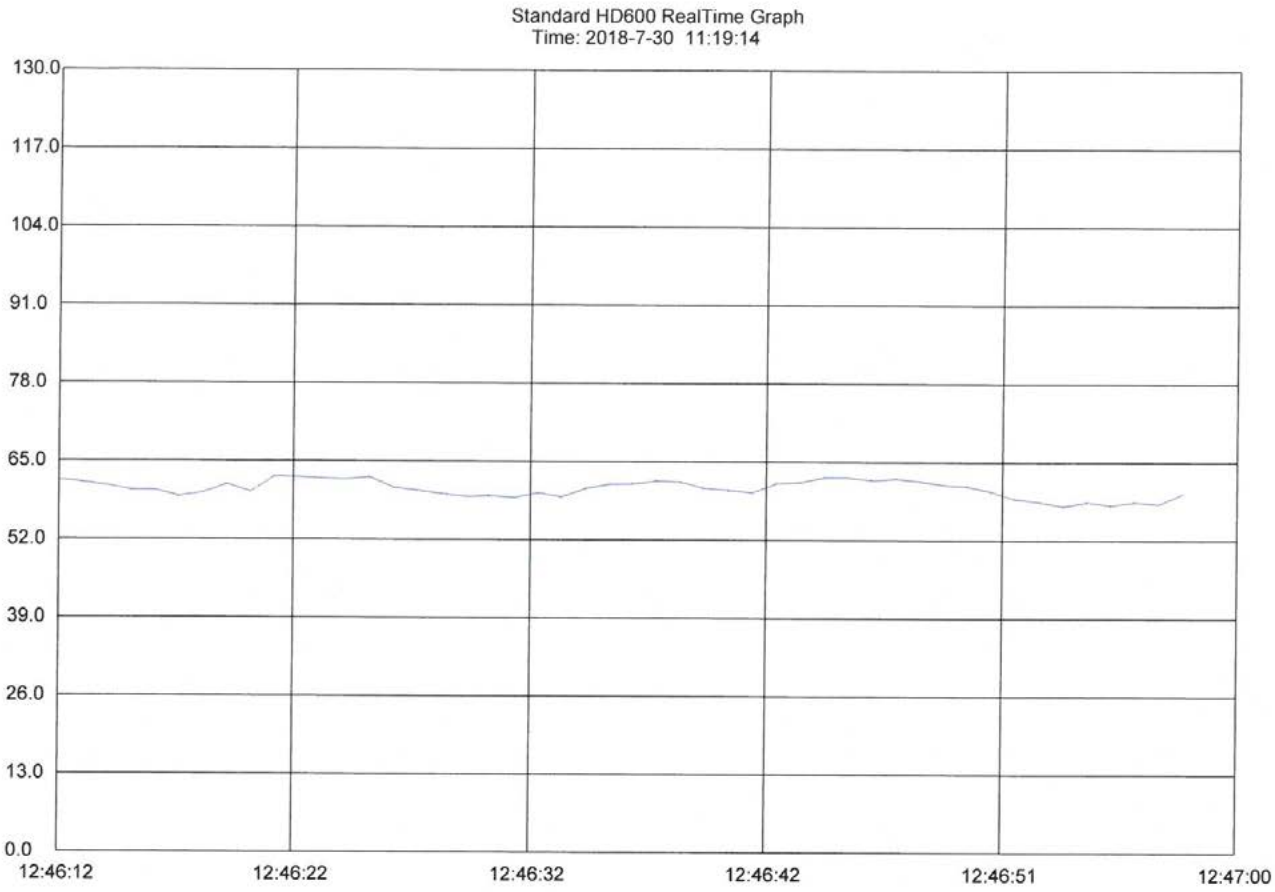


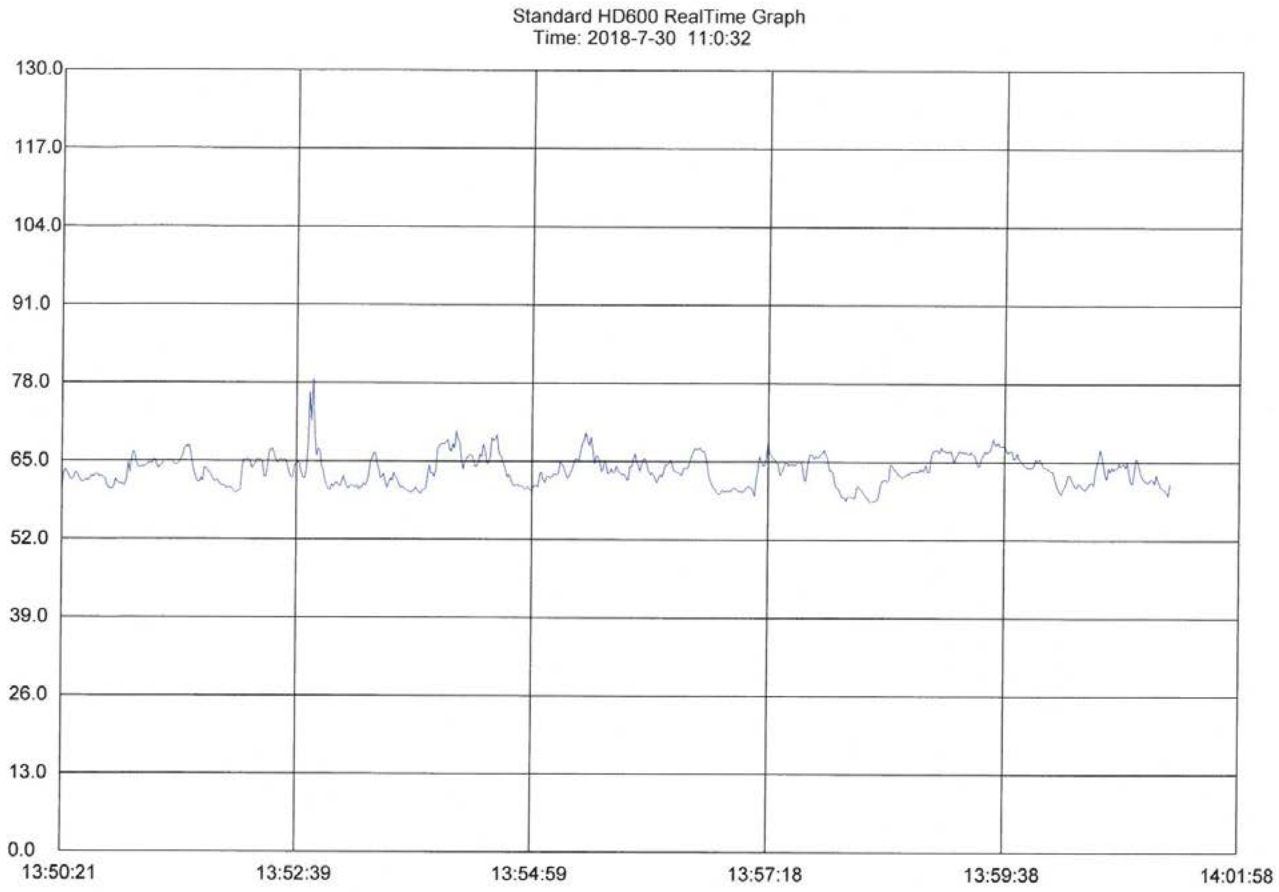
Start Time: 19-05-2018,12:29:46
Maxnum: 65.40 19-05-2018,12:30:23
Minnum: 60.90 19-05-2018,12:29:49
Sample Rate: 1.00
Average: 61.74



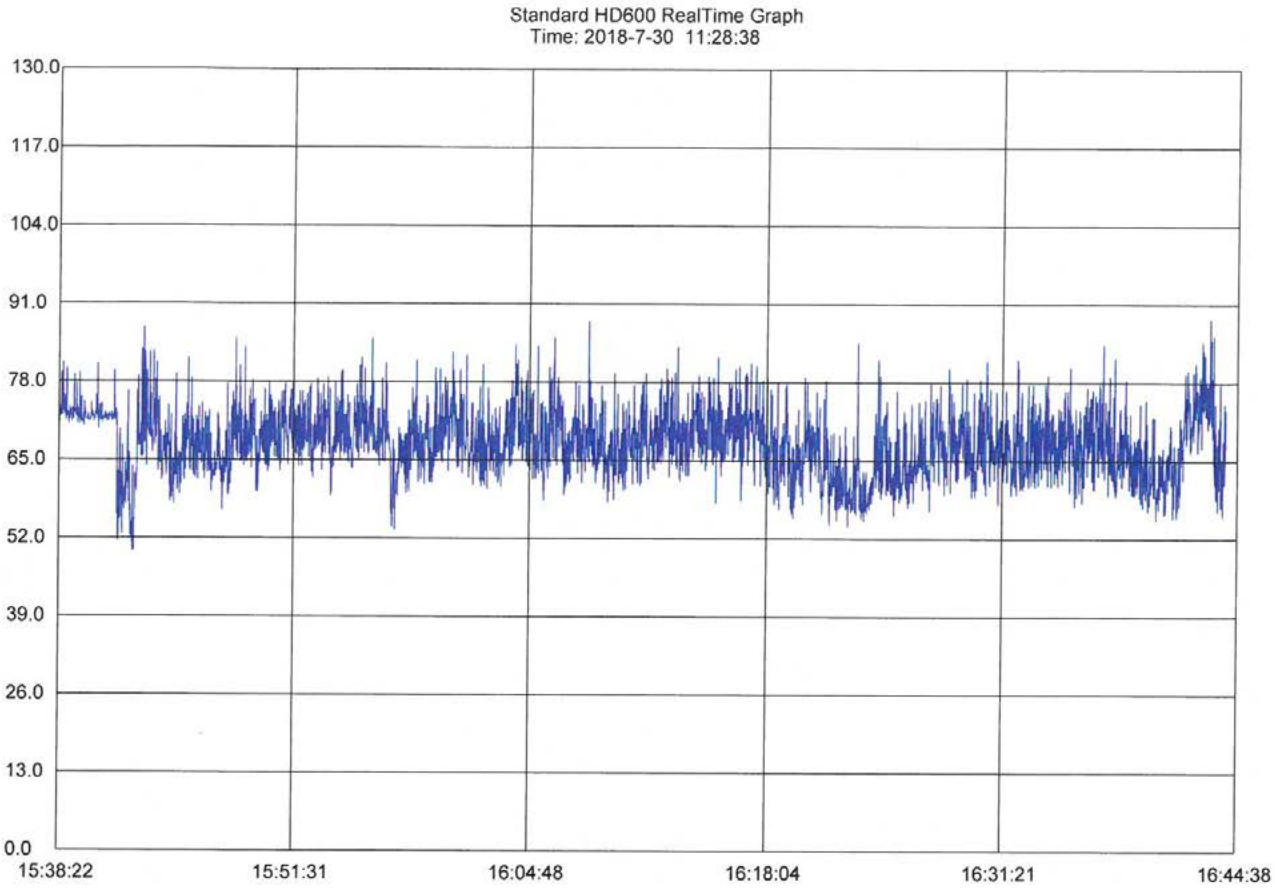
Start Time: 19-05-2018,12:41:49
Maxnum: 68.50 19-05-2018,12:41:59
Minnum: 58.40 19-05-2018,12:42:46
Sample Rate: 1.00
Average: 65.96



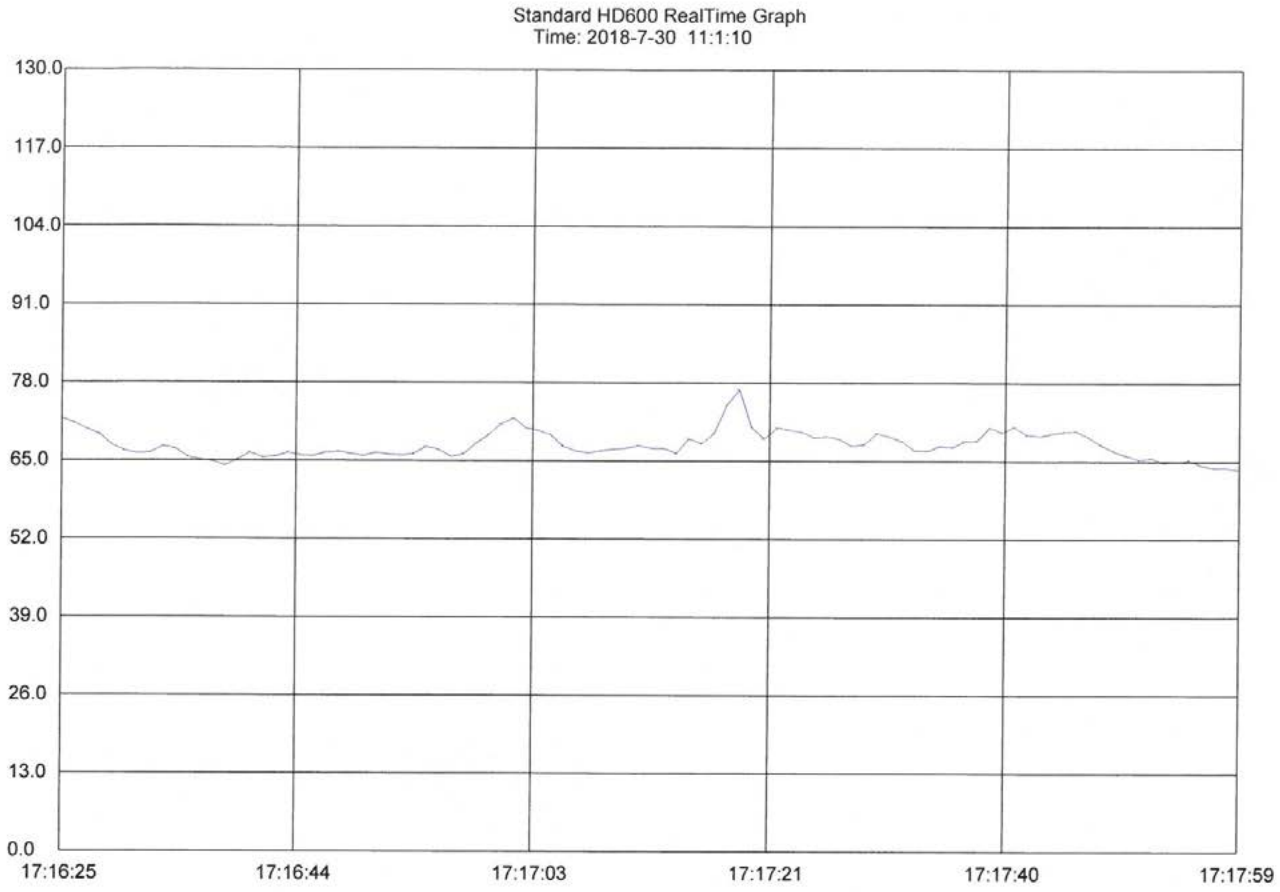
Start Time: 19-05-2018,12:46:12
Maxnum: 62.40 19-05-2018,12:46:21
Minnum: 57.70 19-05-2018,12:46:54
Sample Rate: 1.00
Average: 60.47



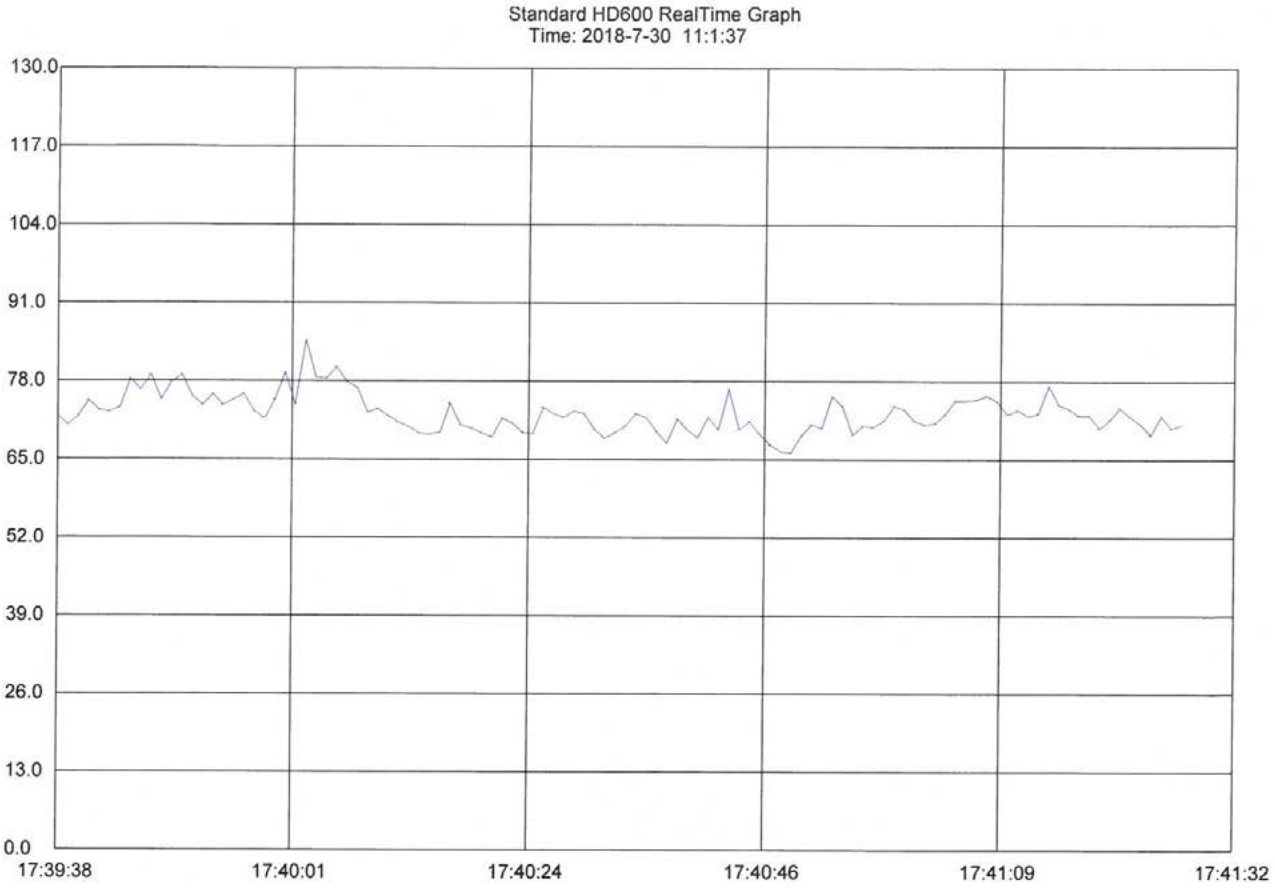
Start Time: 20-05-2018,13:50:21
Maxnum: 78.70 20-05-2018,13:52:49
Minnum: 58.30 20-05-2018,13:58:18
Sample Rate: 1.00
Average: 63.55



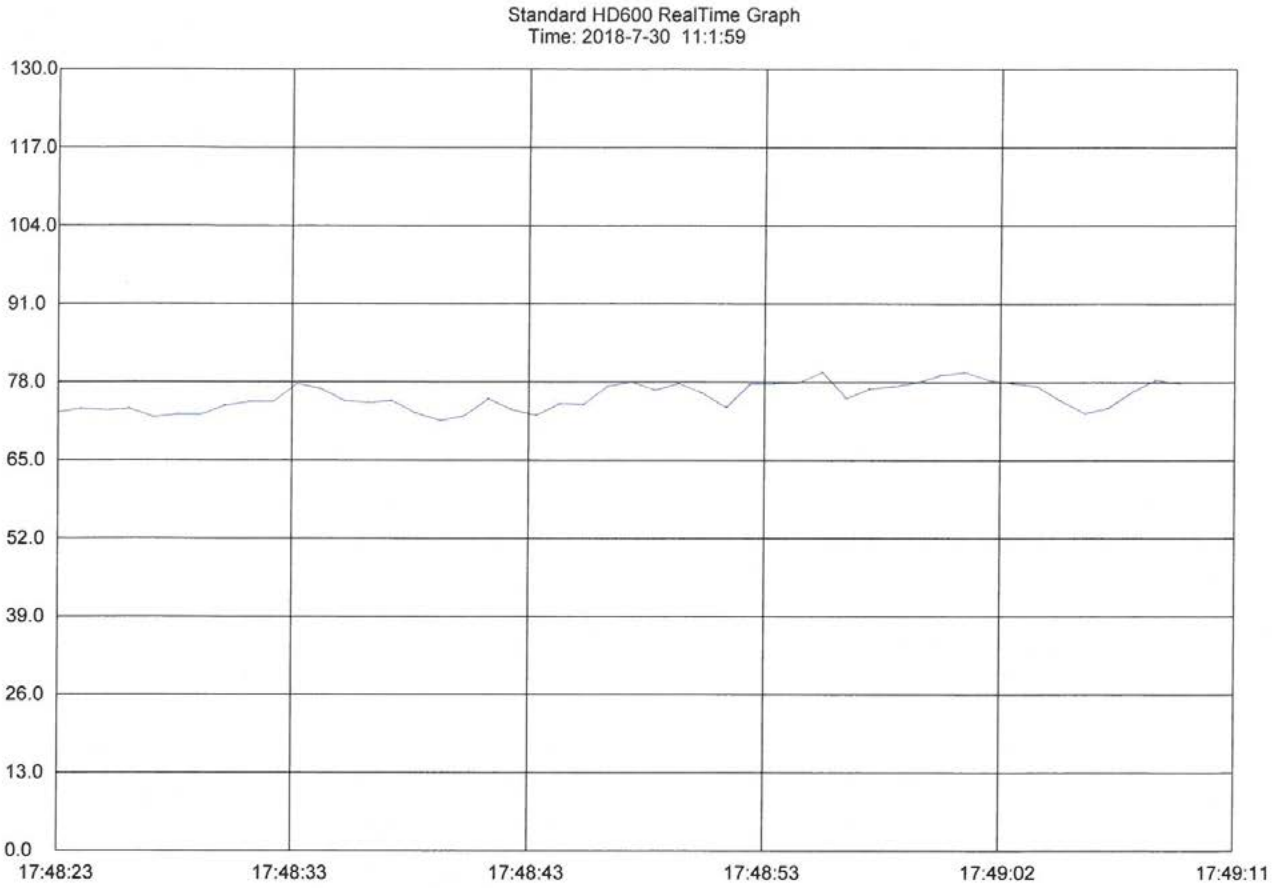
Start Time: 20-05-2018,15:38:22
Maxnum: 88.60 20-05-2018,16:43:03
Minnum: 49.90 20-05-2018,15:42:30
Sample Rate: 1.00
Average: 67.86



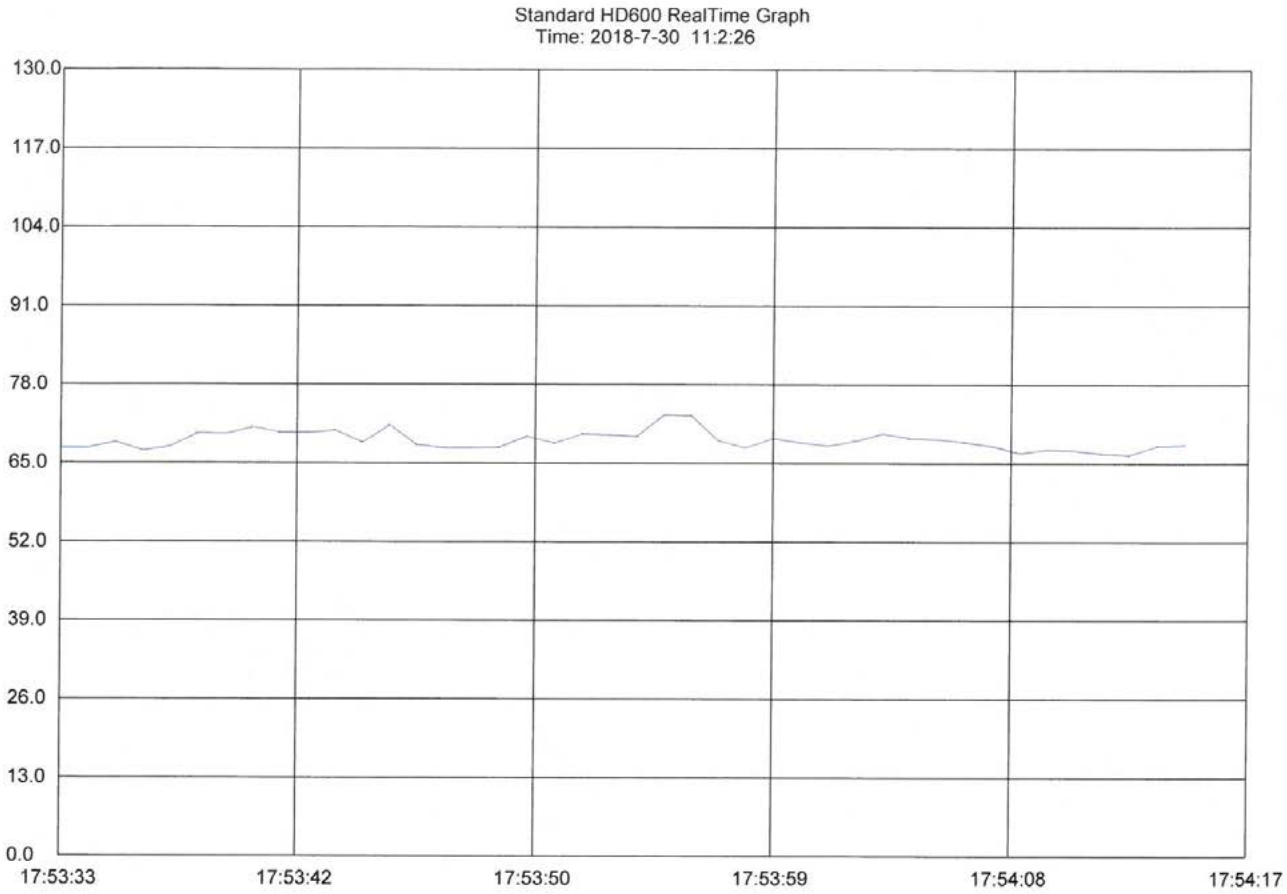
Start Time: 20-05-2018,17:16:25
Maxnum: 76.90 20-05-2018,17:17:19
Minnum: 63.60 20-05-2018,17:17:59
Sample Rate: 1.00
Average: 67.67



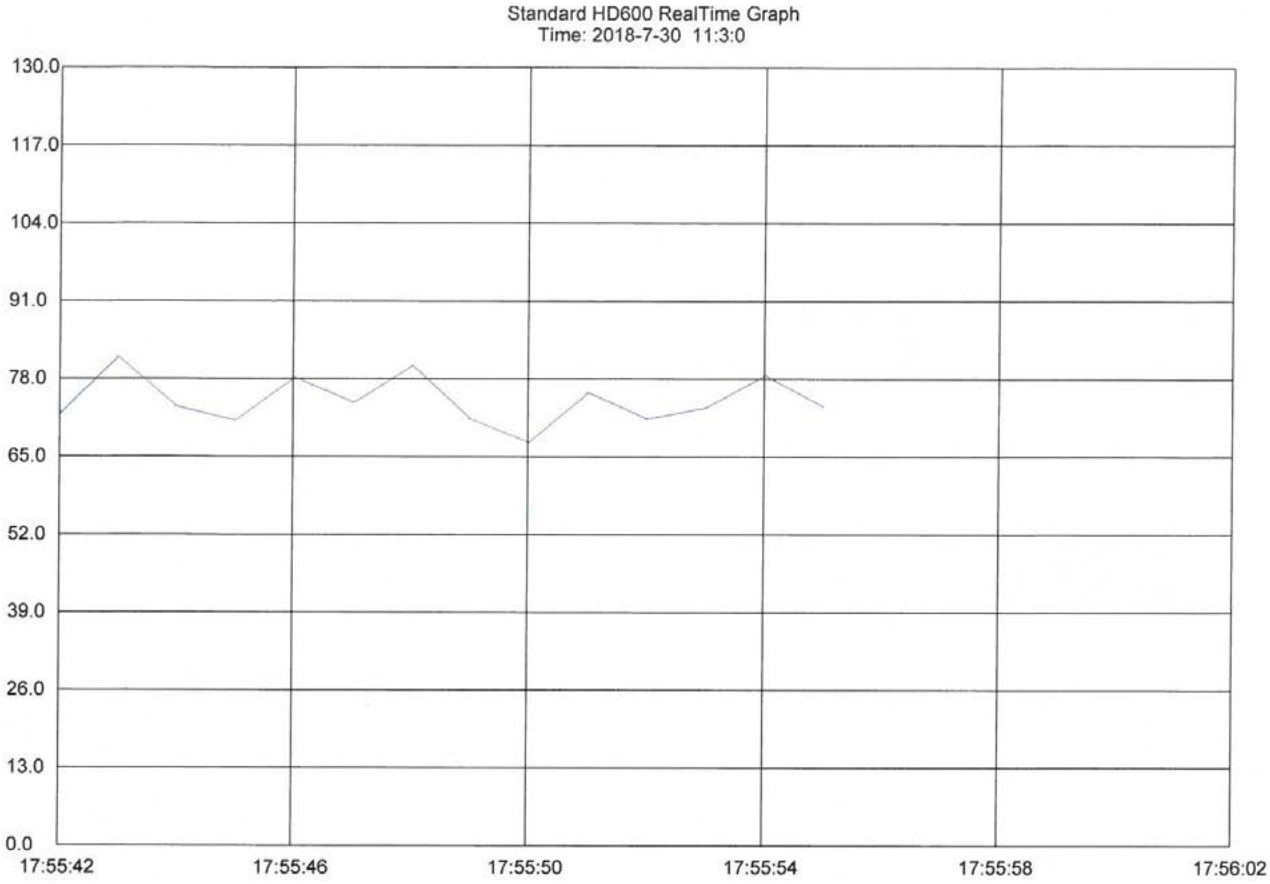
Start Time: 20-05-2018,17:39:38
Maxnum: 84.80 20-05-2018,17:40:02
Minnum: 66.10 20-05-2018,17:40:49
Sample Rate: 1.00
Average: 72.64



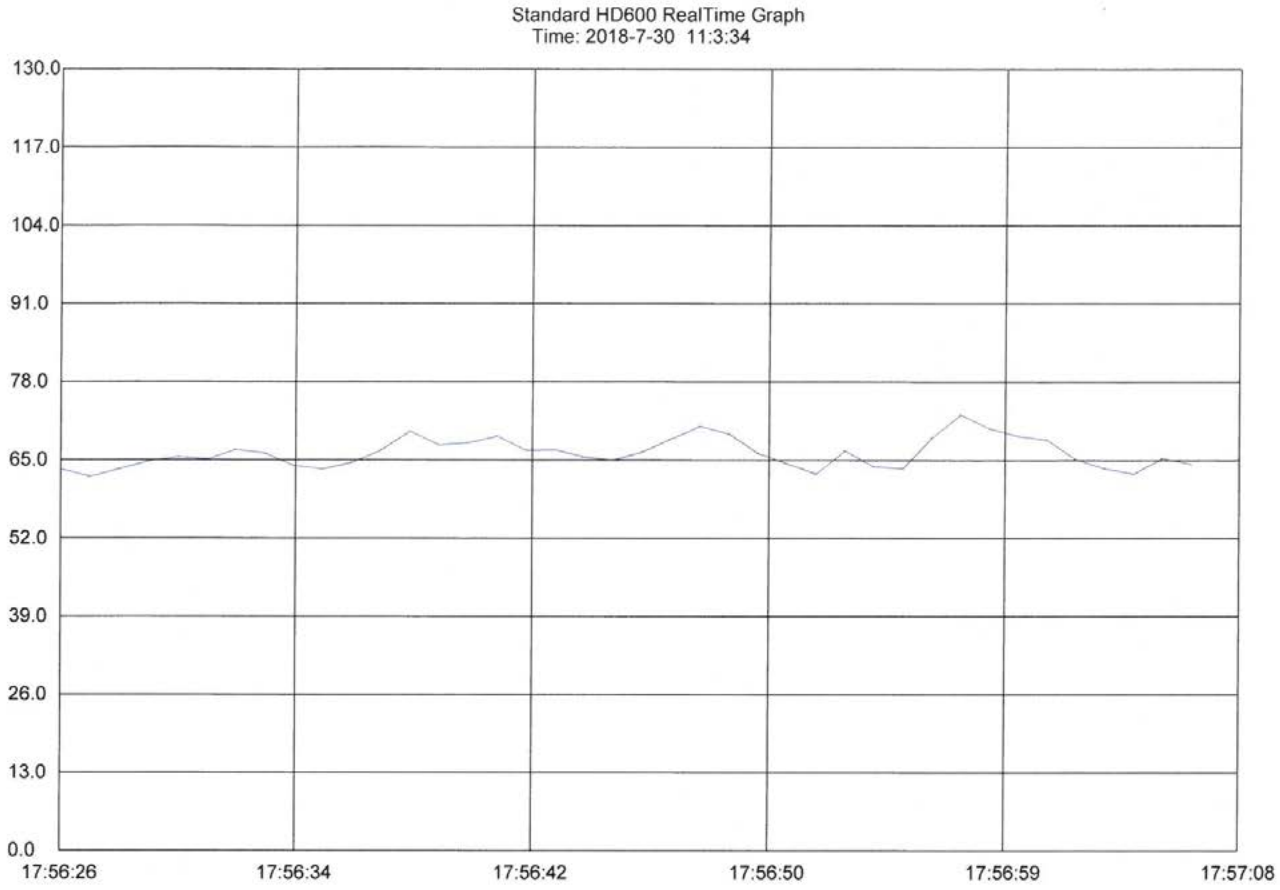
Start Time: 20-05-2018,17:48:23
Maxnum: 79.60 20-05-2018,17:48:55
Minnum: 71.60 20-05-2018,17:48:39
Sample Rate: 1.00
Average: 75.55



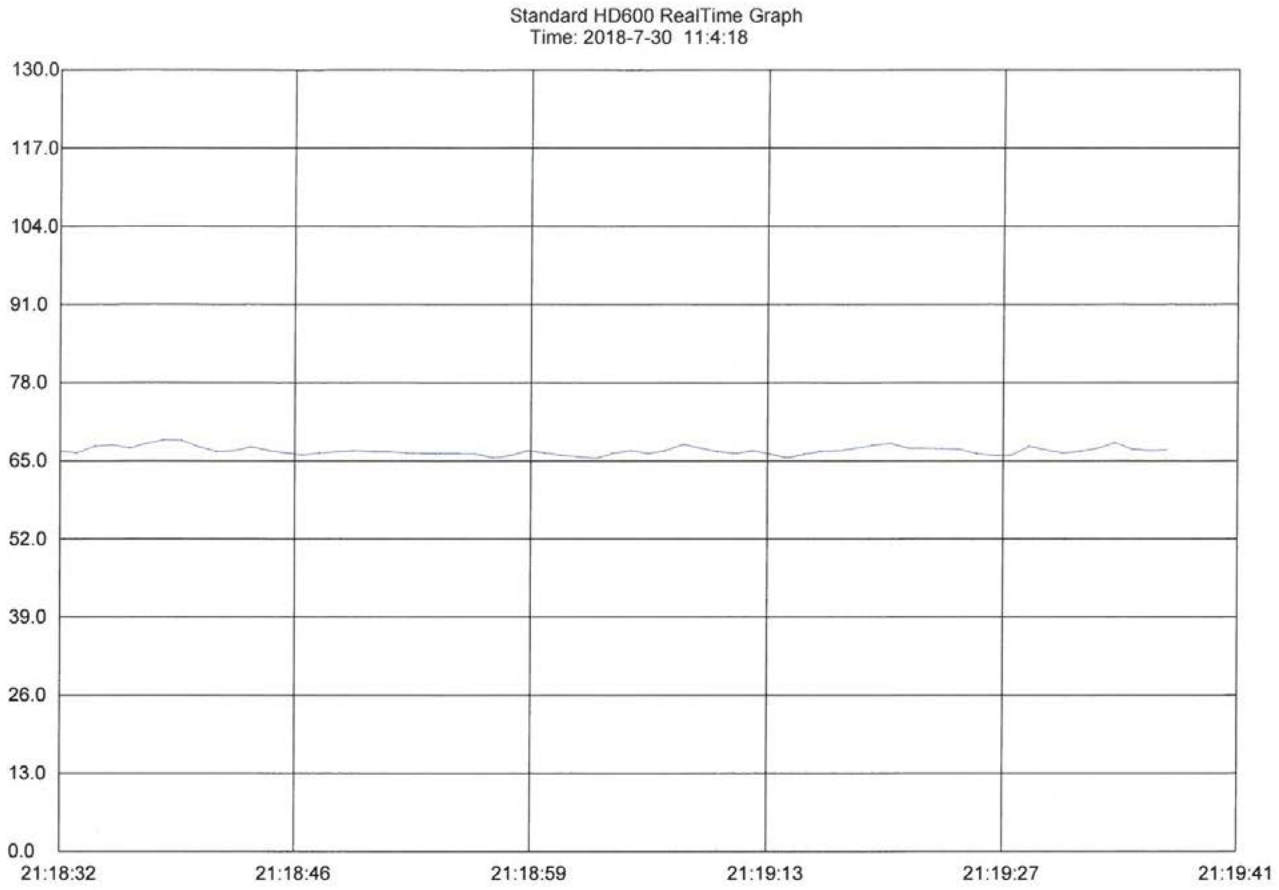
Start Time: 20-05-2018,17:53:33
Maxnum: 73.00 20-05-2018,17:53:55
Minnum: 66.40 20-05-2018,17:54:12
Sample Rate: 1.00
Average: 68.73



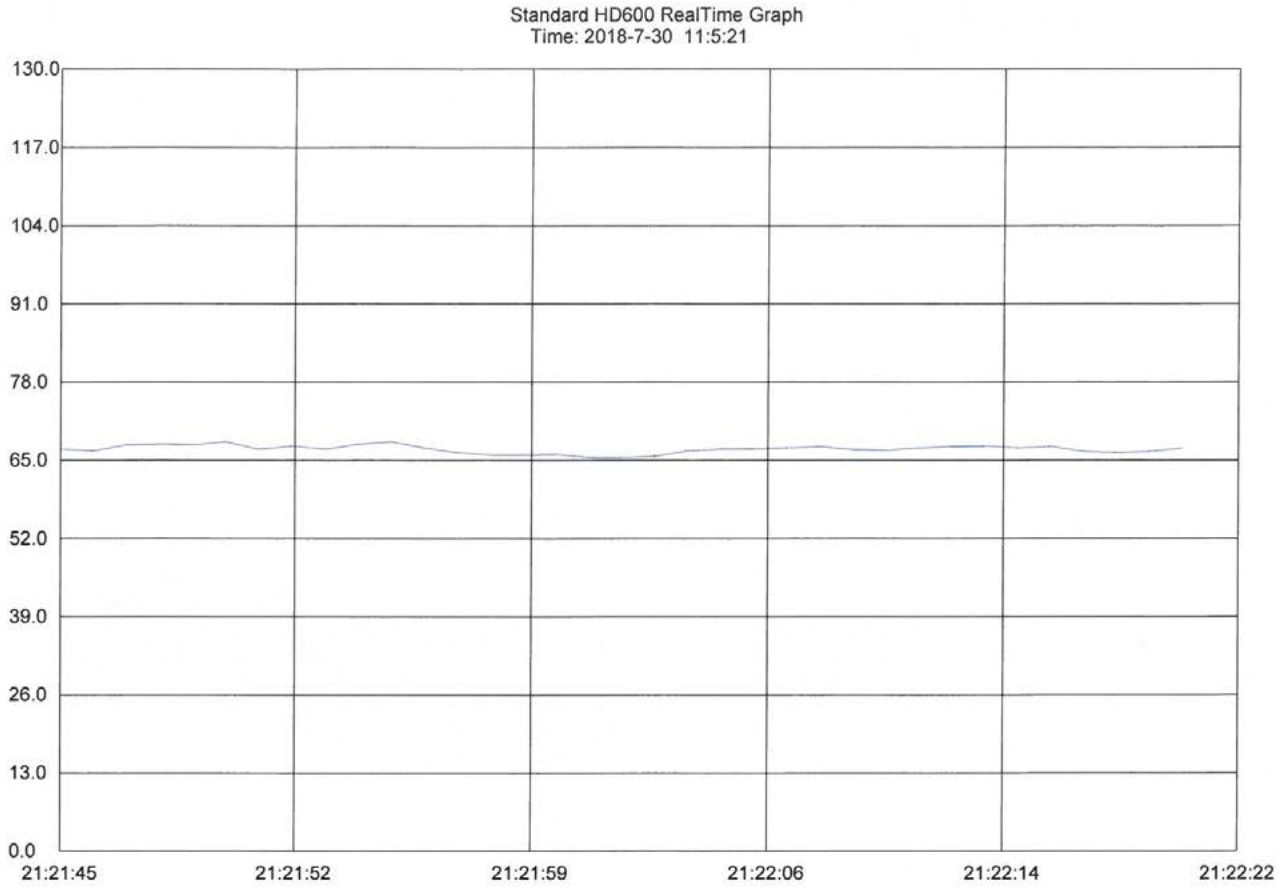
Start Time: 20-05-2018,17:55:42
Maxnum: 81.60 20-05-2018,17:55:43
Minnum: 67.40 20-05-2018,17:55:50
Sample Rate: 1.00
Average: 74.37



Start Time: 20-05-2018,17:56:26
Maxnum: 72.50 20-05-2018,17:56:57
Minnum: 62.20 20-05-2018,17:56:27
Sample Rate: 1.00
Average: 66.14



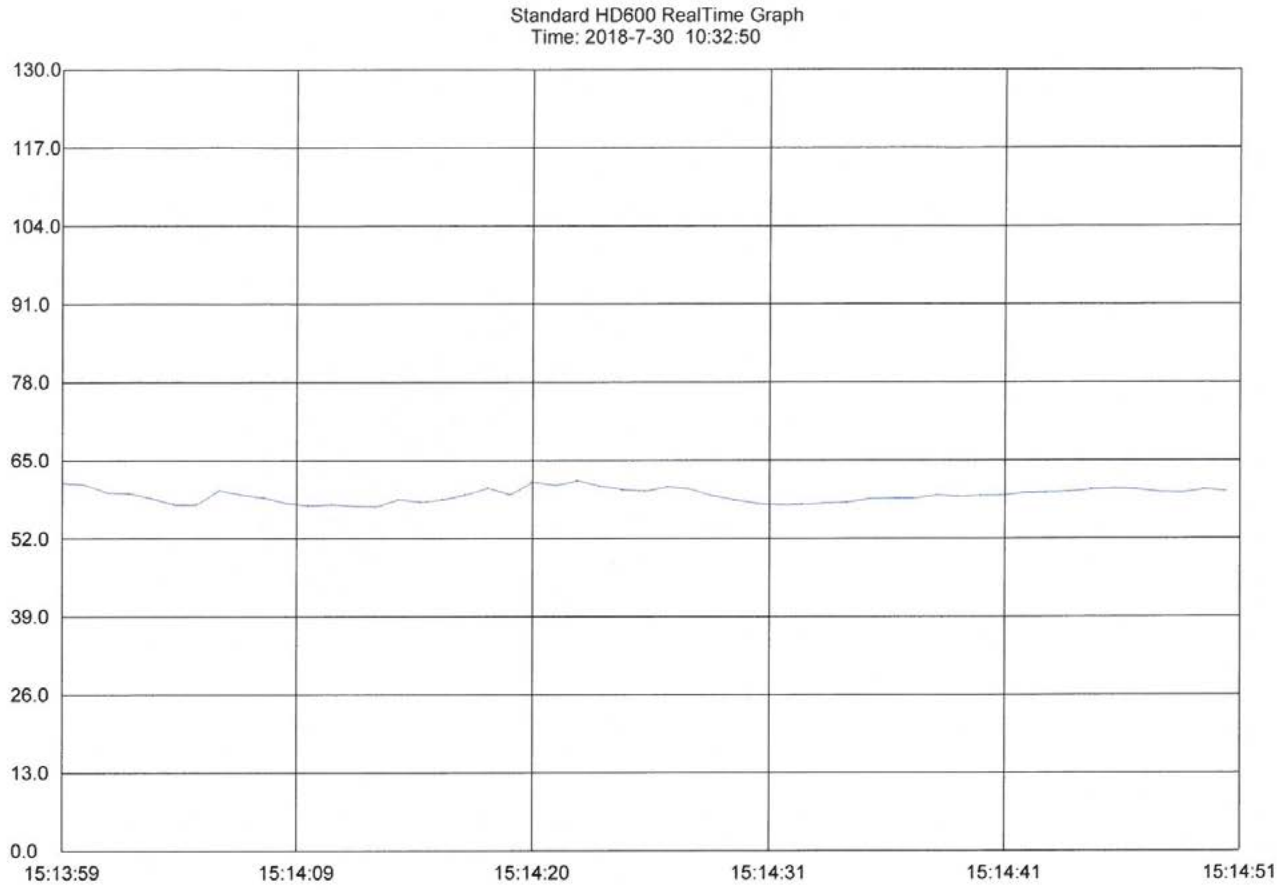
Start Time: 20-05-2018,21:18:32
Maxnum: 68.50 20-05-2018,21:18:38
Minnum: 65.40 20-05-2018,21:19:03
Sample Rate: 1.00
Average: 66.68



Start Time: 20-05-2018,21:21:45
Maxnum: 68.10 20-05-2018,21:21:50
Minnum: 65.50 20-05-2018,21:22:01
Sample Rate: 1.00
Average: 66.86

A

A.1.3 Love Long Beach



Start Time: 28-07-2018,15:13:59
Maxnum: 61.60 28-07-2018,15:14:22
Minnum: 57.30 28-07-2018,15:14:13
Sample Rate: 1.00
Average: 59.22

A.1.4 Music Tastes Good

MUSIC TASTES GOOD SET TIMES		
DOORS 11AM	Saturday Sep 29, 2018	
TIME	MAIN STAGE	SUNSET STAGE
11:00 AM	***GATES OPEN***	
12:00 PM		
12:10 PM	**BLKNOISE** 12:10PM - 12:40	**HAUNTED SUMMER** 12:05PM - 12:35PM
12:20 PM		
12:30 PM		
12:40 PM	**FOREST OF TONGUE** 12:40PM - 1:10PM	Las Chicas Tristes (DJ Duo)
12:50 PM		**MANUEL THE BAND** 12:55PM - 1:25PM
1:00 PM		
1:10 PM	**NEIGHBOR LADY** 1:10PM - 1:40PM	
1:20 PM		
1:30 PM		
1:40 PM	**FEELS** 1:40PM - 2:10PM	Las Chicas Tristes (DJ Duo)
1:50 PM		**RADIOLISTENER** 1:55PM- 2:55PM
2:00 PM		
2:10 PM	**NO BS BRASS BAND** 2:10PM - 2:50PM	
2:20 PM		
2:30 PM		
2:40 PM		
2:50 PM	**QUINTRON & MISS PUSSYCAT** 2:10PM - 3:30PM	
3:00 PM		
3:10 PM		Las Chicas Tristes (DJ Duo)
3:20 PM		**LOS MASTER PLUS** 3:25PM - 4:05
3:30 PM	**SHAME** 3:30PM - 4:10PM	
3:40 PM		
3:50 PM		
4:00 PM		
4:10 PM	**CHERRY GLAZERR** 4:10PM - 4:50PM	Las Chicas Tristes (DJ Duo)
4:20 PM		
4:30 PM		
4:35 PM		**OLIVER TREE** 4:35PM - 5:20PM
4:40 PM		
4:50 PM	**BIG THEIF** 4:50PM - 5:35PM	
5:00 PM		
5:10 PM		
5:20 PM		
5:30 PM		Las Chicas Tristes (DJ Duo)
5:40 PM	**PRINCESS NOKIA** 5:35PM - 6:25PM	
5:50 PM		**BLAKE MILLS** 5:50PM - 6:40PM
6:00 PM		
6:05 PM		
6:10 PM		
6:20 PM		
6:30 PM	**SANITIGOLD** 6:25PM - 7:20PM	
6:40 PM		
6:50 PM		
7:00 PM		Las Chicas Tristes (DJ Duo)
7:10 PM		
7:20 PM	**BROKEN SOCIAL SCENE** 7:20PM - 8:25PM	**LIL B** 7:15PM - 8:10
7:30 PM		
7:40 PM		
7:50 PM		
8:00 PM		
8:10 PM		
8:20 PM		
8:30 PM	**NEW ORDER** 8:30PM - 9:50PM	Las Chicas Tristes (DJ Duo)
8:40 PM		**JOEY BADA$$** 8:40PM - 9:40PM
8:45 PM		
8:50 PM		
9:00 PM		
10:00 PM	CLOSE	CLOSE

MUSIC TASTES GOOD SET TIMES

DOORS 11AM

Sunday Sep 30, 2018

TIME	MAIN STAGE	SUNSET STAGE
11:00 AM	GATES OPEN	GATES OPEN
11:30 AM		
12:00 PM		
12:10 PM	HANA VU	ASI FUI
12:20 PM	12:10PM - 12:40PM	12:03PM- 12:35PM
12:30 PM		
12:40 PM		Koibito (DJ duo)
12:50 PM	THE FLING	
1:00 PM	12:40PM - 1:10PM	BAUM
1:10 PM	B.A.G. (Blimes x Gifted Gab)	1:05PM - 1:35PM
1:20 PM	1:10PM - 1:40PM	
1:30 PM		
1:40 PM	DE LUX	
1:50 PM	1:40PM - 2:10PM	Koibito (DJ duo)
2:00 PM		
2:10 PM	THE BLOW	ETHIO CALI
2:20 PM	2:10PM - 2:50PM	2:05PM - 2:35PM
2:30 PM		
2:40 PM		Koibito (DJ duo)
2:50 PM	EZRA FURMAN	
3:00 PM	2:50PM - 3:30PM	
3:10 PM		LADAMA
3:20 PM		3:05PM - 3:45PM
3:30 PM	HAILU MERGIA	
3:40 PM	3:30PM - 4:15PM	
3:50 PM		
4:00 PM		Koibito (DJ duo)
4:10 PM	HOLLIE COOK	
4:20 PM	4:15PM - 5:05PM	BILL CALLAHAN
4:30 PM		4:15PM - 5:00PM
4:35 PM		
4:40 PM		
4:55 PM	SUN KIL MOON	
5:00 PM	5:05PM - 6:00PM	
5:10 PM		Koibito (DJ duo)
5:20 PM		
5:30 PM		LIZZO
5:40 PM		5:30PM - 6:25PM
5:50 PM	PARQUET COURTS	
6:00 PM	6:00PM - 7:00PM	
6:05 PM		
6:10 PM		
6:20 PM		
6:30 PM		Koibito (DJ duo)
6:40 PM		
6:50 PM		THE CHURCH
7:00 PM	JANELLE MONAE	7:00PM - 8:00PM
7:10 PM	7:00PM - 8:05PM	
7:20 PM		
7:30 PM		
7:40 PM		
7:50 PM		
8:00 PM		Koibito (DJ duo)
8:10 PM		
8:20 PM		
8:30 PM	JAMES BLAKE	
8:40 PM	8:30PM - 9:50PM	THE BLACK ANGELS
8:45 PM		8:40PM - 9:40PM
8:50 PM		
9:00 PM		
10:00 PM	CLOSE	CLOSE

MTG Sound Readings (Jay)

Saturday, September 29, 2018
11:14 AM – Seaside Gate/International Tower – Report in notes.
12:55 PM – Gangway W – DB in notes
1:00 PM – Gangway Z –
1:15 PM – Villa Riviera - ~60db

3:00 PM – Ganway Z – 58 – 64db
3:10 PM – Gangway W – 77 – 85db
3:15 PM – Villa Riviera – 49 – 58db

4:15 PM – Gangway W – 74 – 84db
4:20 PM – Gangway Z – 66 – 70db
4:30 PM – Villa Riviera – 45 – 57db

5:40 PM – Gangway W – 77 – 97db
6:15 PM – Gangway Z – 69 – 78db
6:25 PM – Villa Riviera – 54 – 67db w/Shoreline Dr. Traffic

7:25 PM – Gangway W – 77 – 91db
7:30 PM – Gangway Z – 68 – 77db
7:40 PM – Villa Riviera – 59 – 65db

8:50 PM – Gangway W – 86 – 92db
8:55 PM – Gangway Z – 68 – 88db
9:05 PM Villa Riviera – 58 – 64db

END OF EVENT: 9:57 PM

Sunday, September 29, 2018
10:55 AM – Gangway W – Ambient Sound/No Music - ~50db
10:56 AM – Gangway Z – Ambient -~50db
10:59 – Villa Riviera – Ambient ~55db

12:34 PM – Gangway W – 70 – 77db
12:37 PM – Gangway Z - ~70dd
12: 41 – Villa Riviera – 55 – 6-db

1:49 PM – Gangway W - ~80db
1:51 PM – Gangway Z – 70 – 75db
1:57 PM – Villa Rivera – 54 – 57db

3:25 PM – Gangway W – 78db – 8-db
3:27 PM – Gangway Z – 70 – 75db
3:32 PM – Villa Riviera – 53db – 57db

4:32 PM – Gangway W – 75 – 83db
4:35 PM – Gangway Z – 70 – 77db
4:39 PM – Villa Riviera – 57 – 58db
4:47 PM – Reading ~86db at Gangway W, asked to turn it down, went to 80db

6:16 PM – Gangway W – 76 – 80db
6:19 PM – Gangway Z – 74 – 77db
6:24 PM – Villa Riviera – 54 – 55db
6:29 PM – Music Audible at 8th Place/Bike Path – 54 – 57db

7:17 PM – Gangway W – 78 – 87db
7:19 PM – Gangway Z - ~78db
7:26 PM – Villa Riviera - ~62db
7:31 PM – International Tower – 56 – 60db
7:34 PM – Linden/Seaside – 57 – 60db

8:47 PM – Gangway W – 79 – 88db (told to turn it down)
8:50 PM – Gangway Z – 70 – 77db
8:54 PM – Villa Riviera – 54 – 59db
8:58 PM – International Tower – 58 – 60db

END OF EVENT: 9:56 PM

Donte's Sound Readings

MTG sound reading notes Saturday

1:15 international tower 62 dB
1:24 linden & seaside reading- consistent 60 dB level
2:22 linden and seaside reading- 59.8 dB
2:29 international tower- 56.8 dB
3:43 international tower - 64.2 dB
3:46 linden & seaside - 61.4 dB
4:52 international tower- 60.9 dB
4:55 linden & seaside- 58.5 dB
6:21 international tower- 52.5 dB (mellow music)
6:26 linden & seaside- 54.2 db
7:32 international tower- 60.4 dB
7:35 linden & seaside- 63.3 dB
9:13 international tower- 60.7 dB
9:15 linden & seaside- 59.8 dB

Stage 2 end 9:27 PM

Sunday readings

12:09 international tower- 57.6 dB
12:11 linden & seaside- 58.1 dB
1:34 international tower- 58.9 dB
1:36 linden & seaside- 54.6 dB
3:29 international tower- 54.3 dB
3:31 linden & seaside - 55 dB
4:33 international tower- 54.3 dB
4:36 linden & seaside- 57.3 dB
6:21 international tower- 59.1 dB
(Level might spike) talking to resident
6:25 linden& seaside- 54.4 dB

Sent from my iPhone

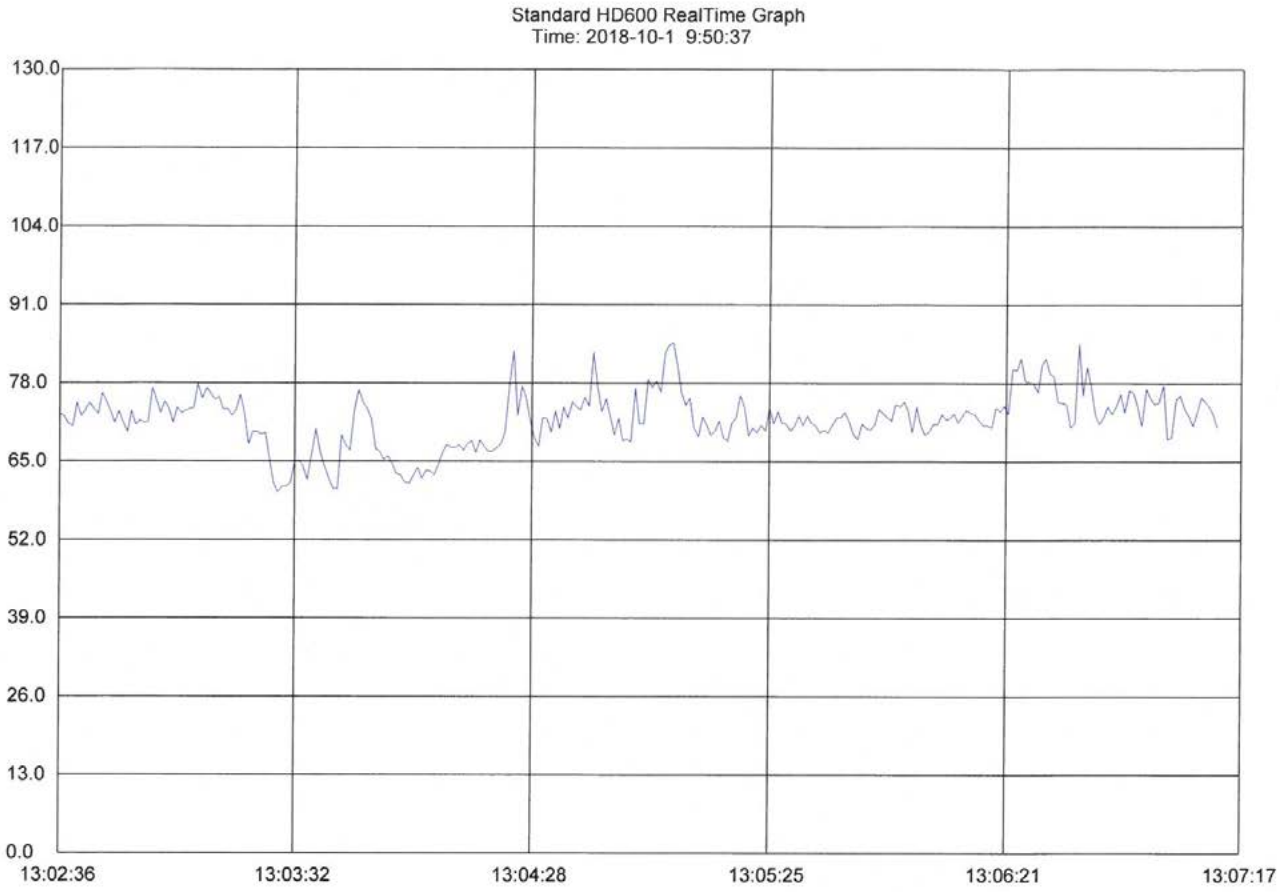
MTG Concert Map – Sound Study Grid - **All measurements are approximated from Google Earth**

Music Tastes Good Screen Shot of 30 second video – Top of the stairs at Shoreline & Ocean, next to the Villa Riviera – Towards the end of the concert 9/29/18 @ 8:54 PM (Lots of wind and vehicle traffic)

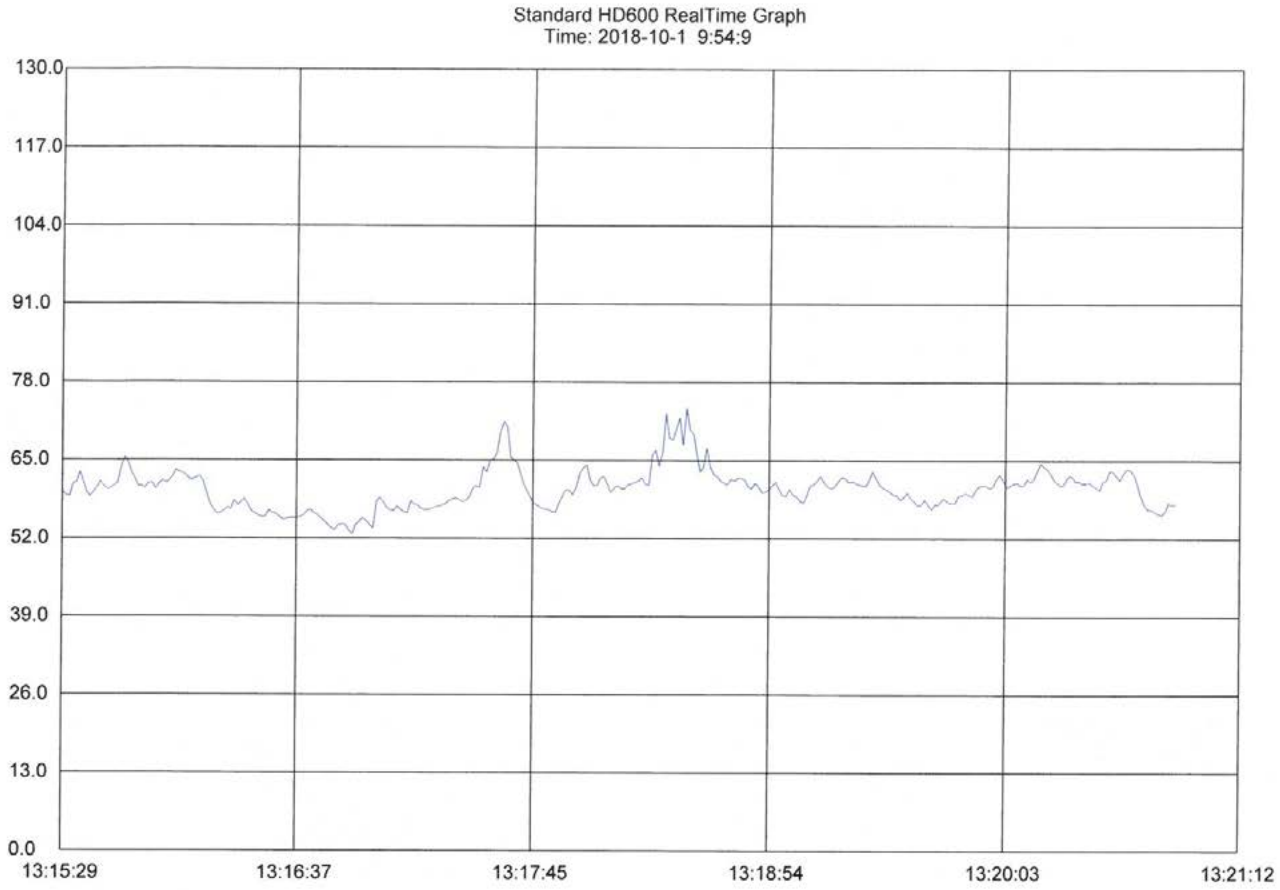
A

Music Tastes Good Screen Shot of 30 second video – Top of the stairs at Shoreline & Ocean, next to the Villa Rivera – Middle of concert 9/29/19 @ 7:26 PM (Lots of wind and vehicle traffic caused the scale to jump a lot)

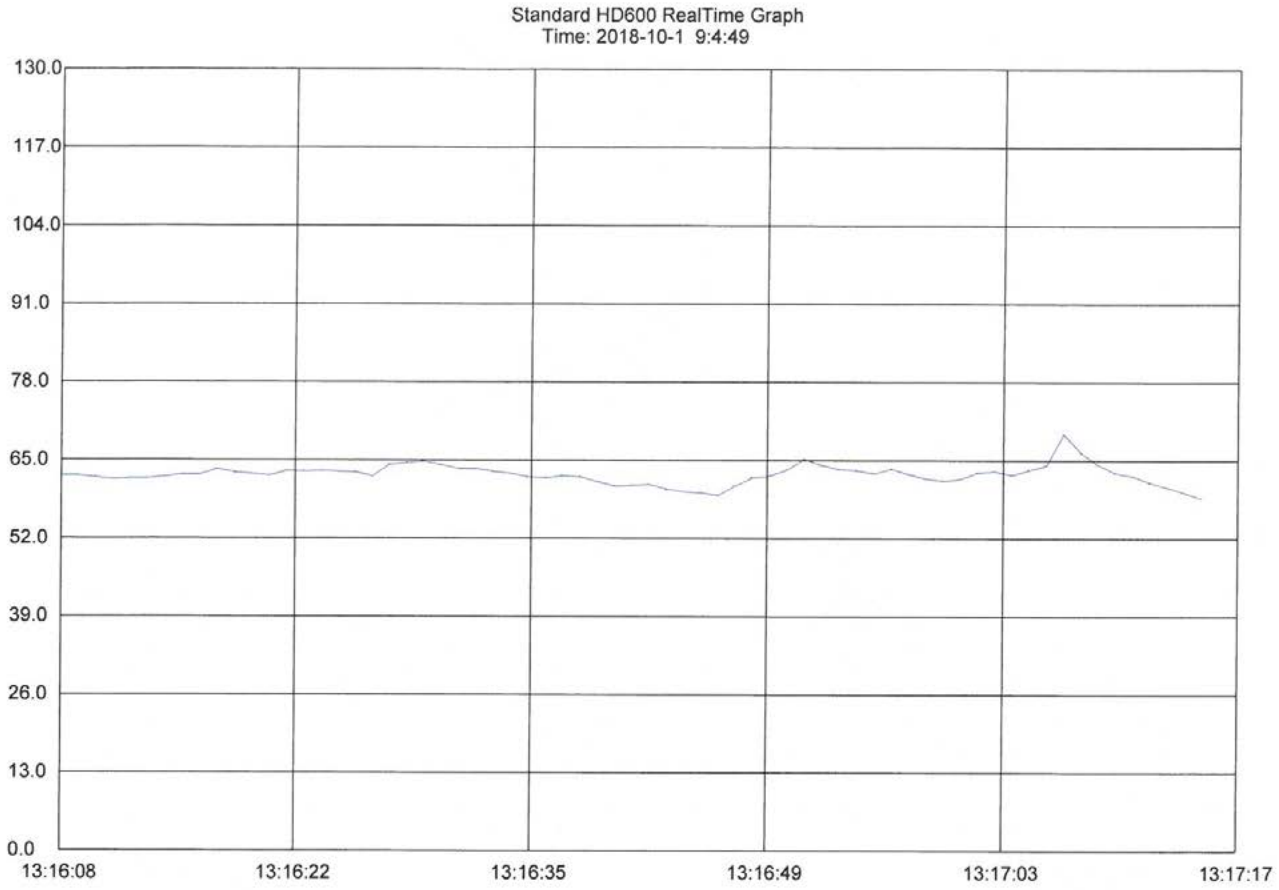
Music Tastes Good Screen Shot of 30 second video – Top of the stairs at Shoreline & Ocean, next to the Villa Rivera – Beginning of concert
9/29/18 @11:00 AM



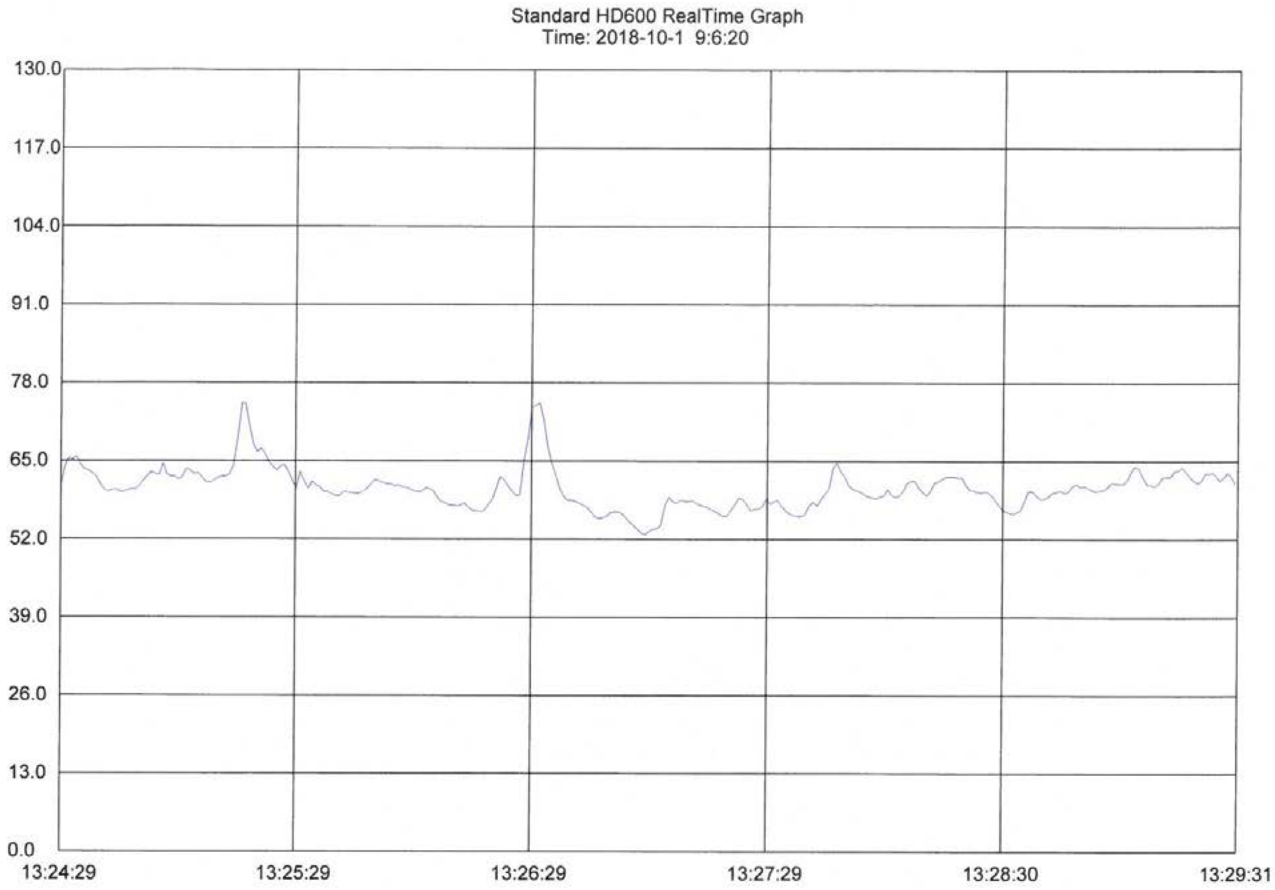
Start Time: 29-09-2018,13:02:36
Maxnum: 84.70 29-09-2018,13:05:02
Minnum: 59.90 29-09-2018,13:03:28
Sample Rate: 1.00
Average: 71.92



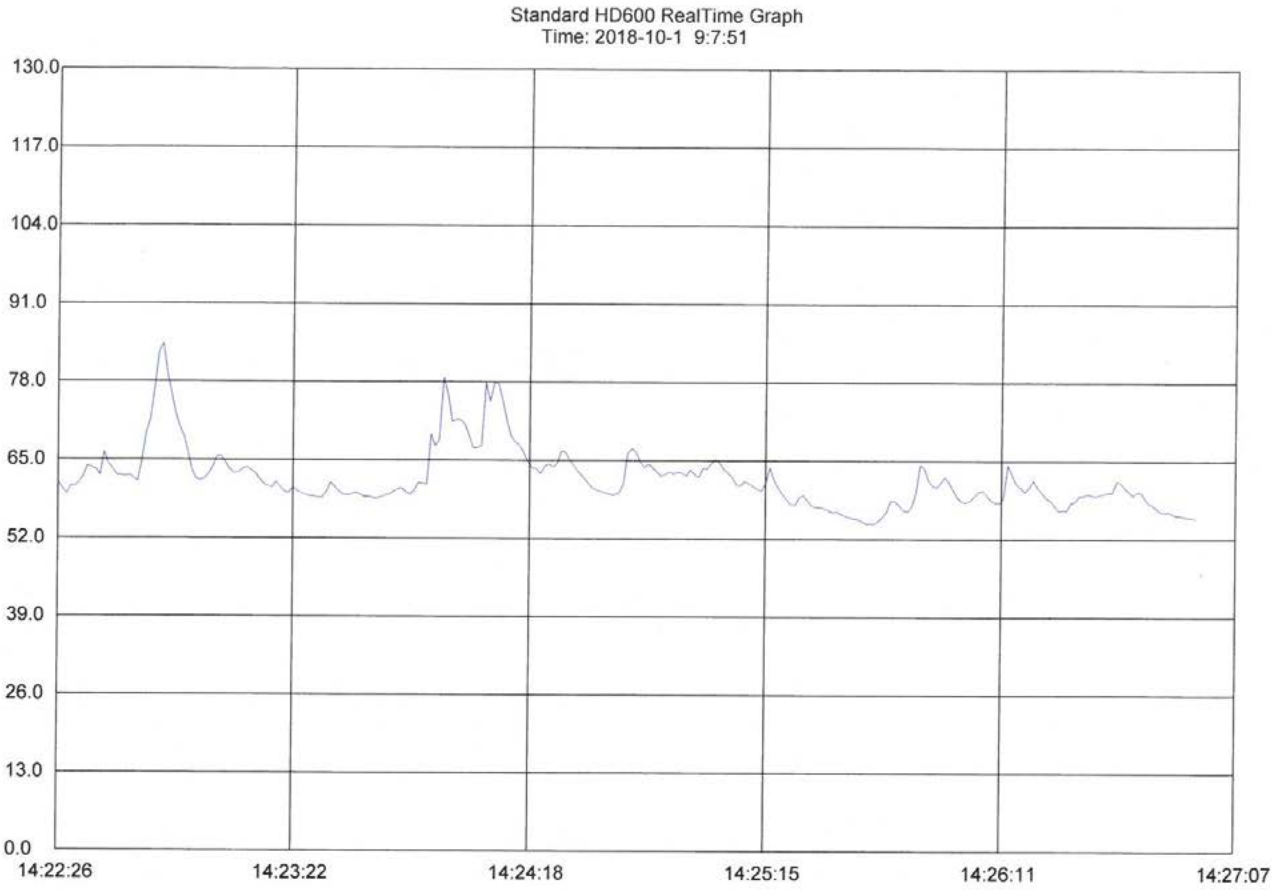
Start Time: 29-09-2018,13:15:29
Maxnum: 73.70 29-09-2018,13:18:30
Minnum: 52.70 29-09-2018,13:16:53
Sample Rate: 1.00
Average: 60.20



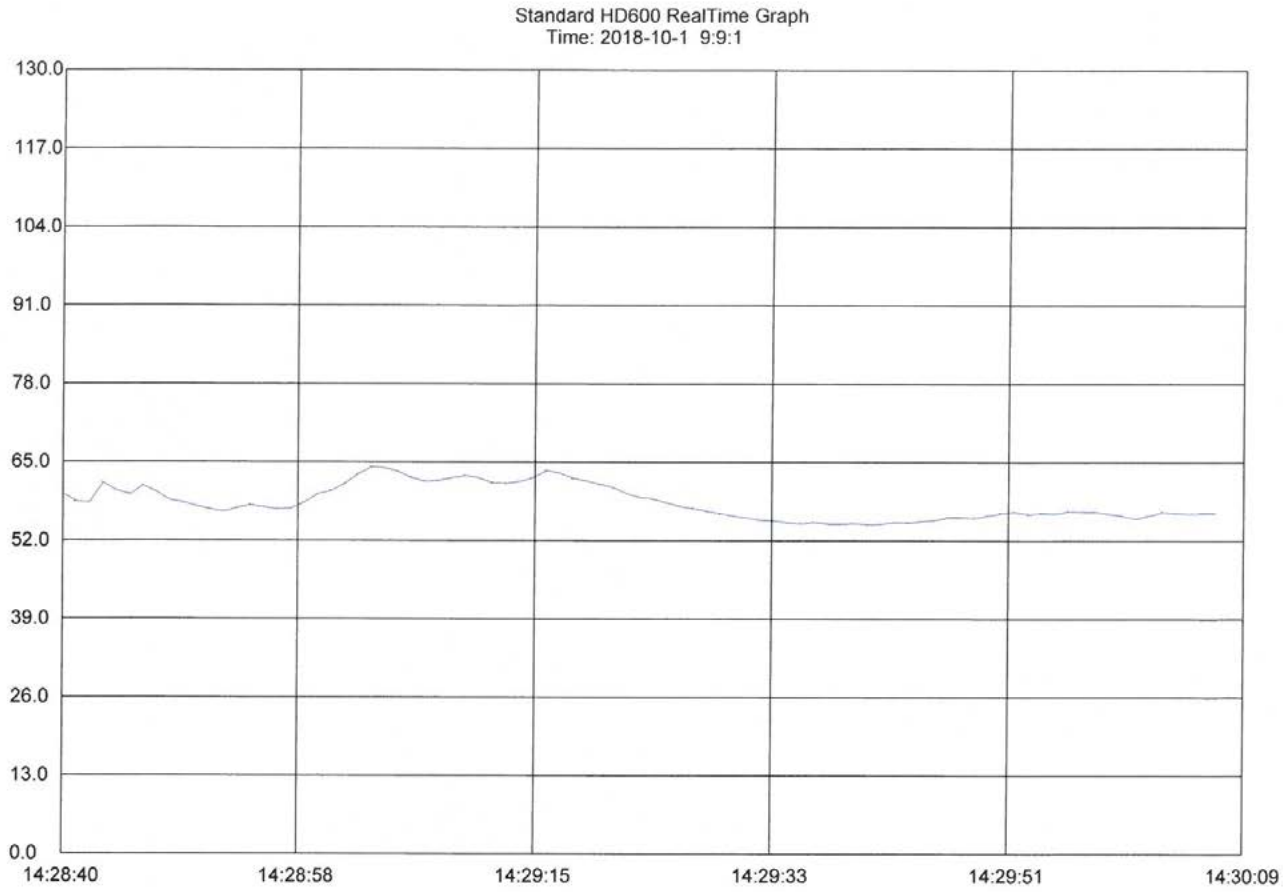
Start Time: 29-09-2018,13:16:08
Maxnum: 69.40 29-09-2018,13:17:06
Minnum: 58.70 29-09-2018,13:17:14
Sample Rate: 1.00
Average: 62.59



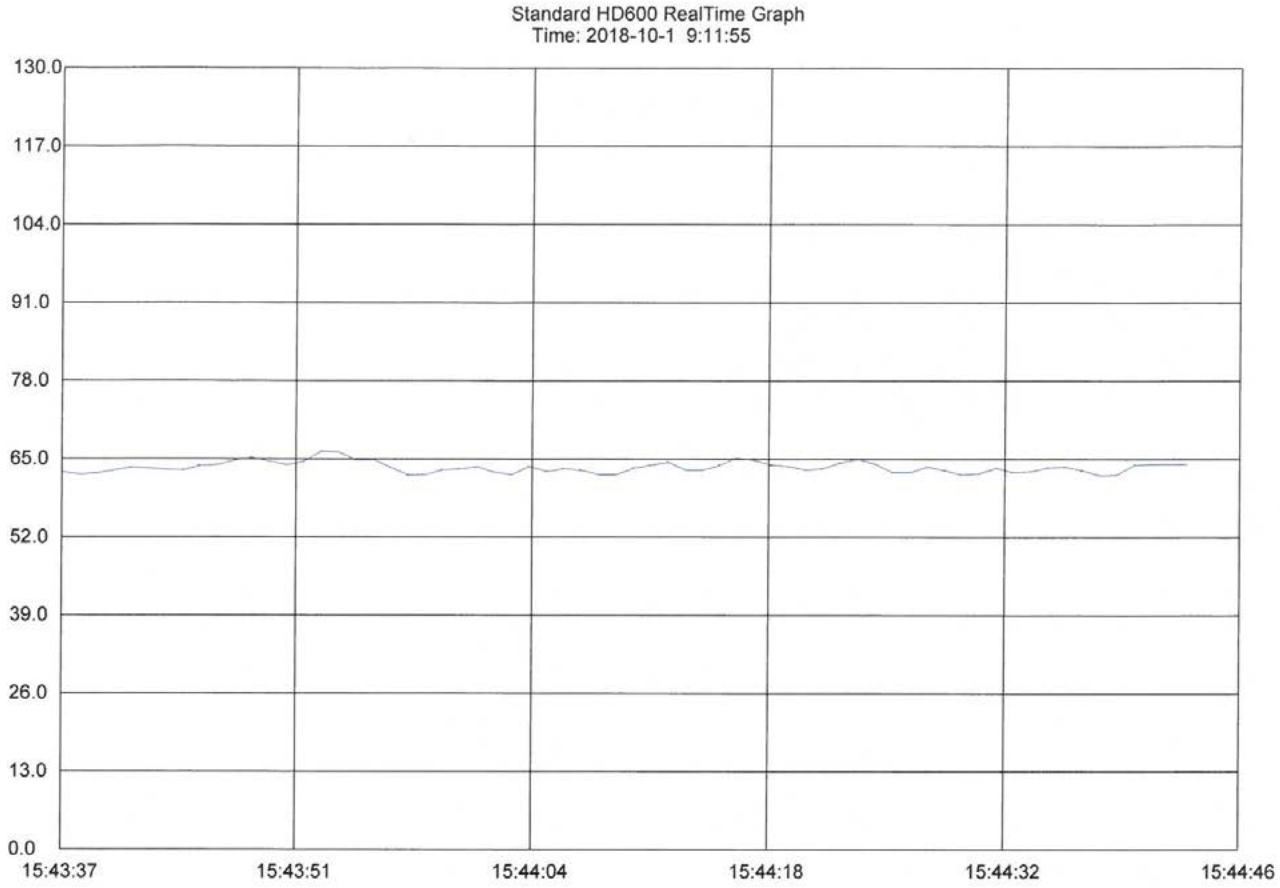
Start Time: 29-09-2018,13:24:29
Maxnum: 74.60 29-09-2018,13:25:15
Minnum: 52.80 29-09-2018,13:26:58
Sample Rate: 1.00
Average: 60.50



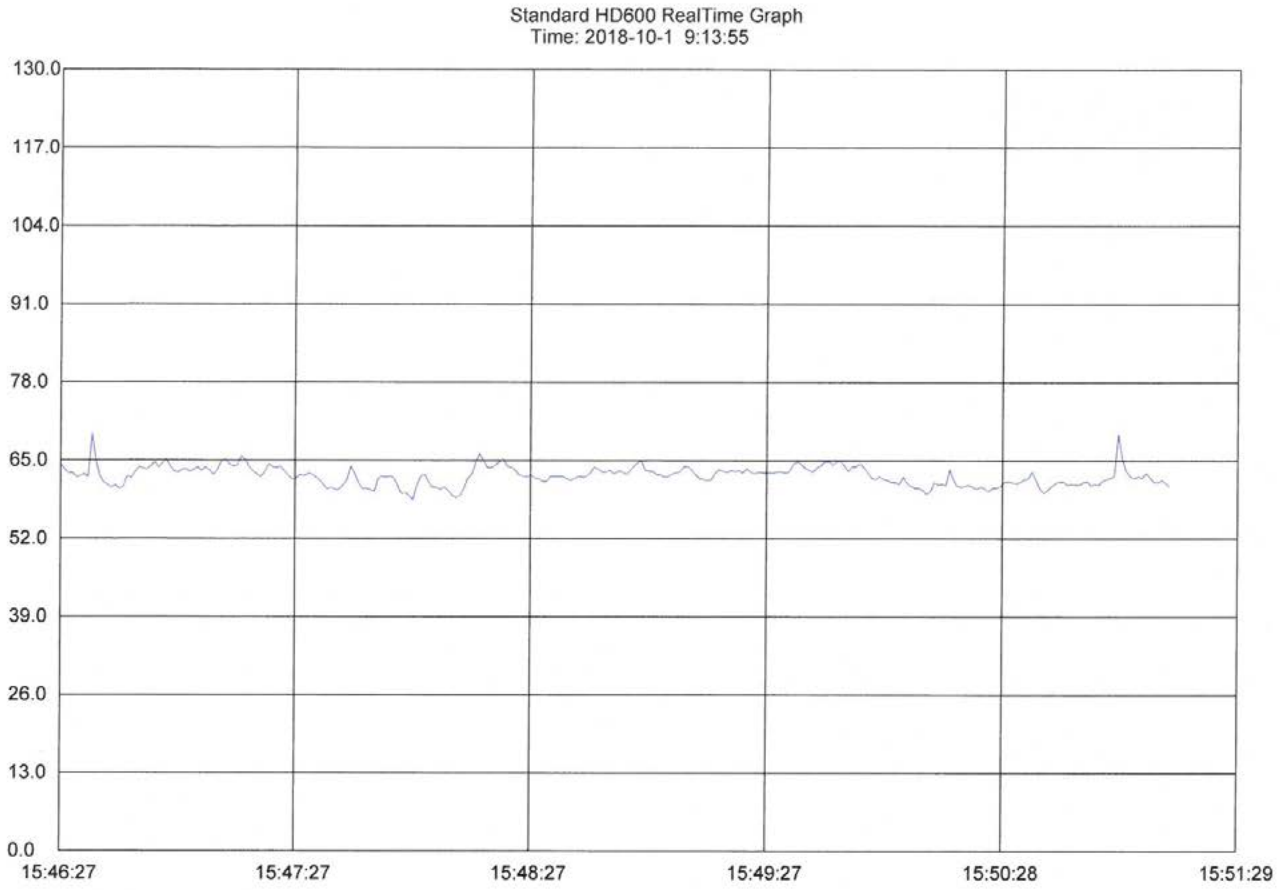
Start Time: 29-09-2018,14:22:26
Maxnum: 84.30 29-09-2018,14:22:51
Minnum: 54.50 29-09-2018,14:25:41
Sample Rate: 1.00
Average: 61.97



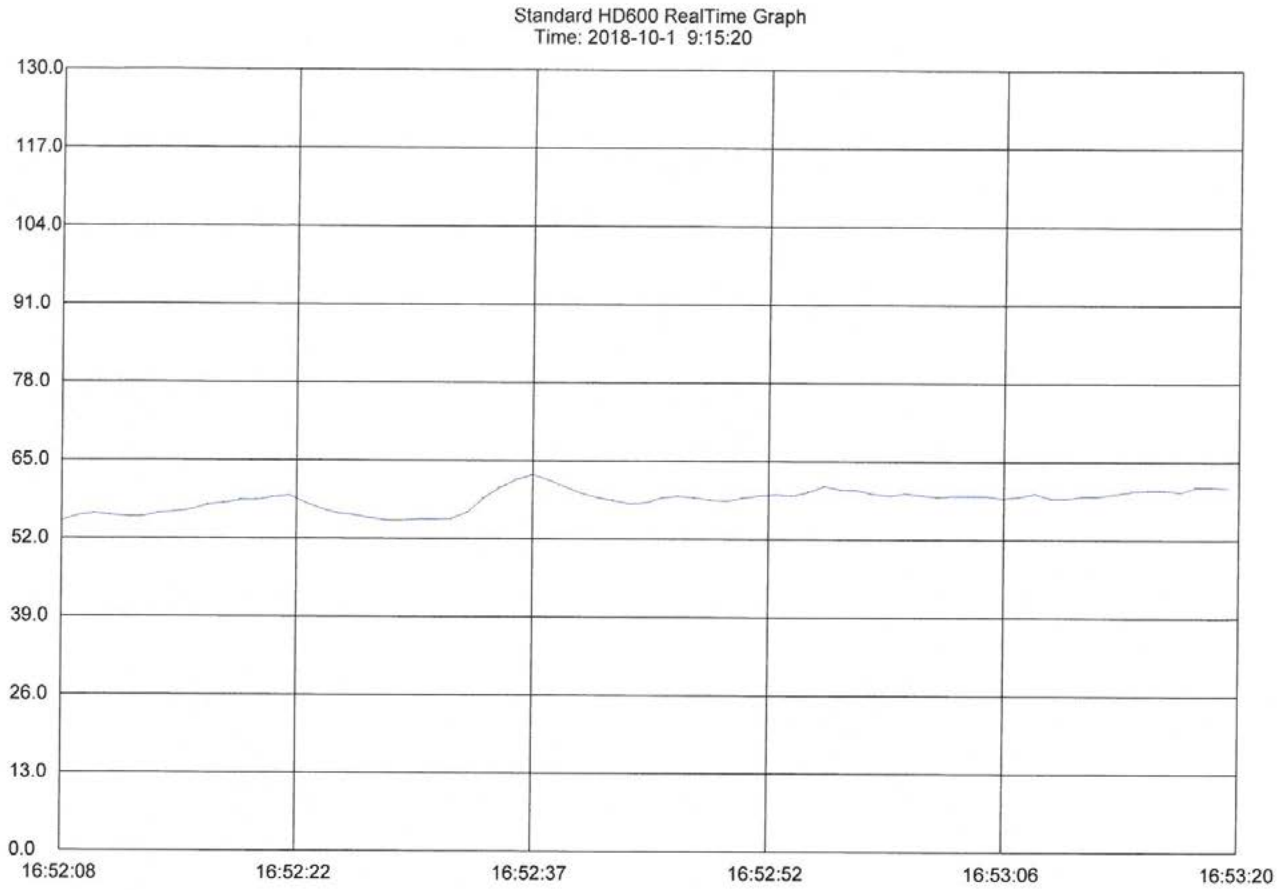
Start Time: 29-09-2018,14:28:40
Maxnum: 64.20 29-09-2018,14:29:03
Minnum: 54.70 29-09-2018,14:29:40
Sample Rate: 1.00
Average: 58.33



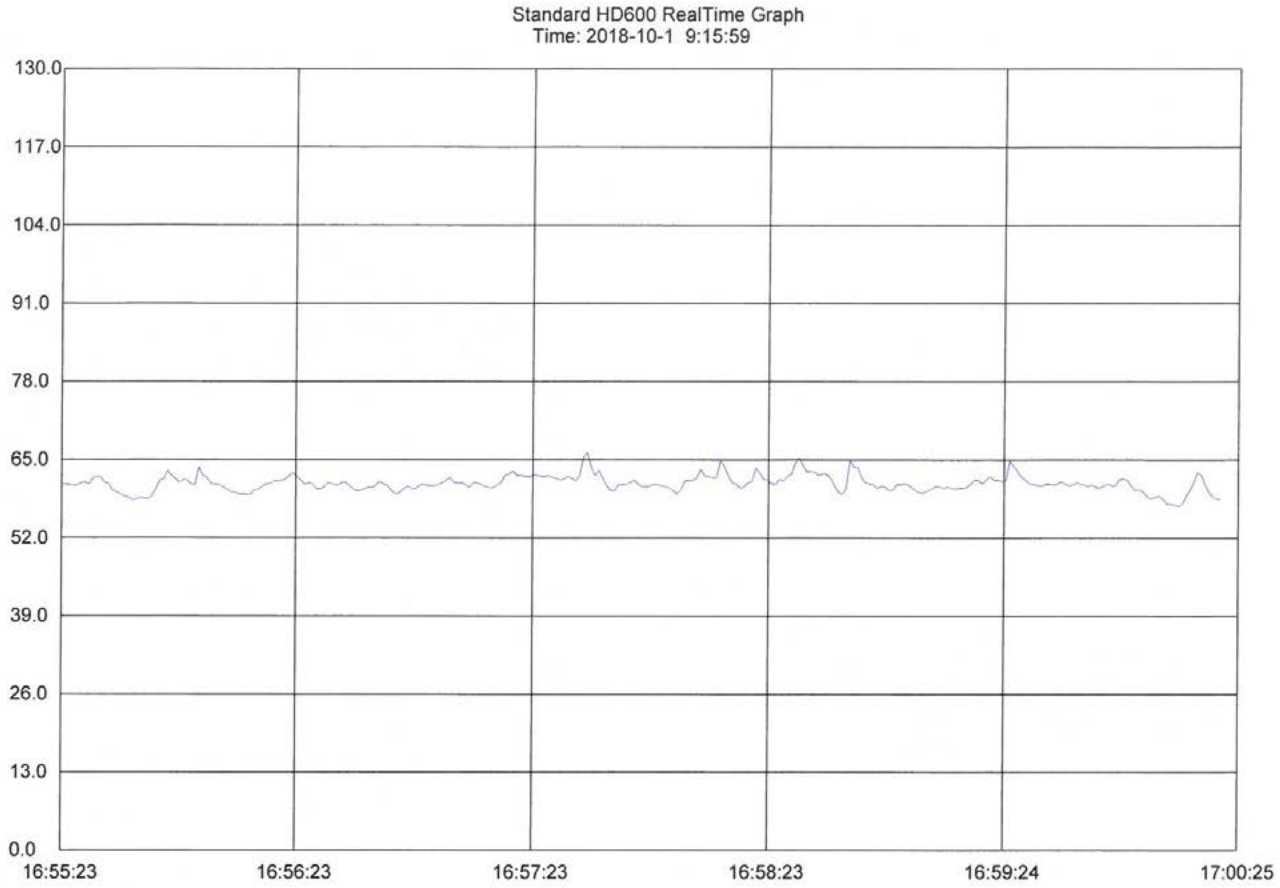
Start Time: 29-09-2018,15:43:37
Maxnum: 66.30 29-09-2018,15:43:52
Minnum: 62.30 29-09-2018,15:43:57
Sample Rate: 1.00
Average: 63.61



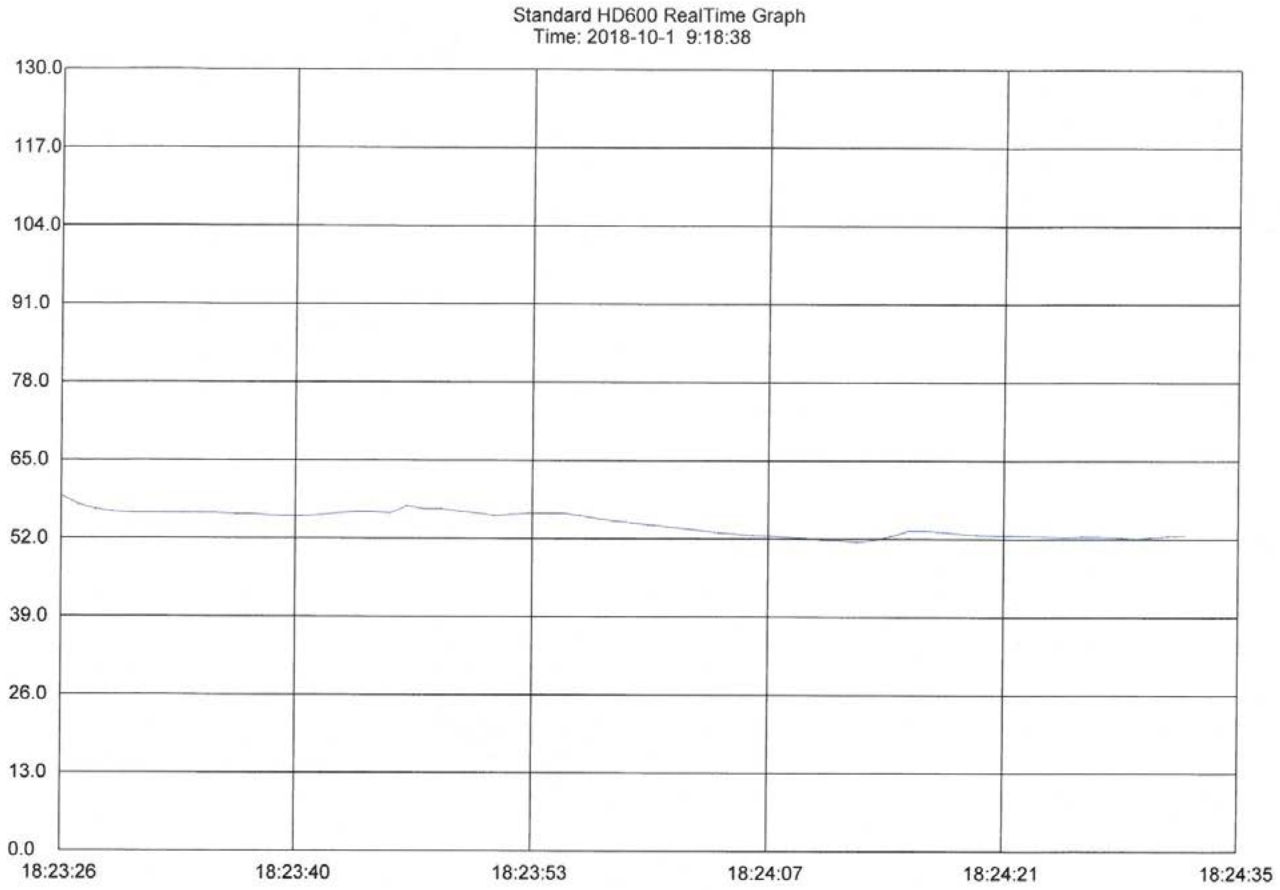
Start Time: 29-09-2018,15:46:27
Maxnum: 69.40 29-09-2018,15:46:35
Minnum: 58.40 29-09-2018,15:47:57
Sample Rate: 1.00
Average: 62.46



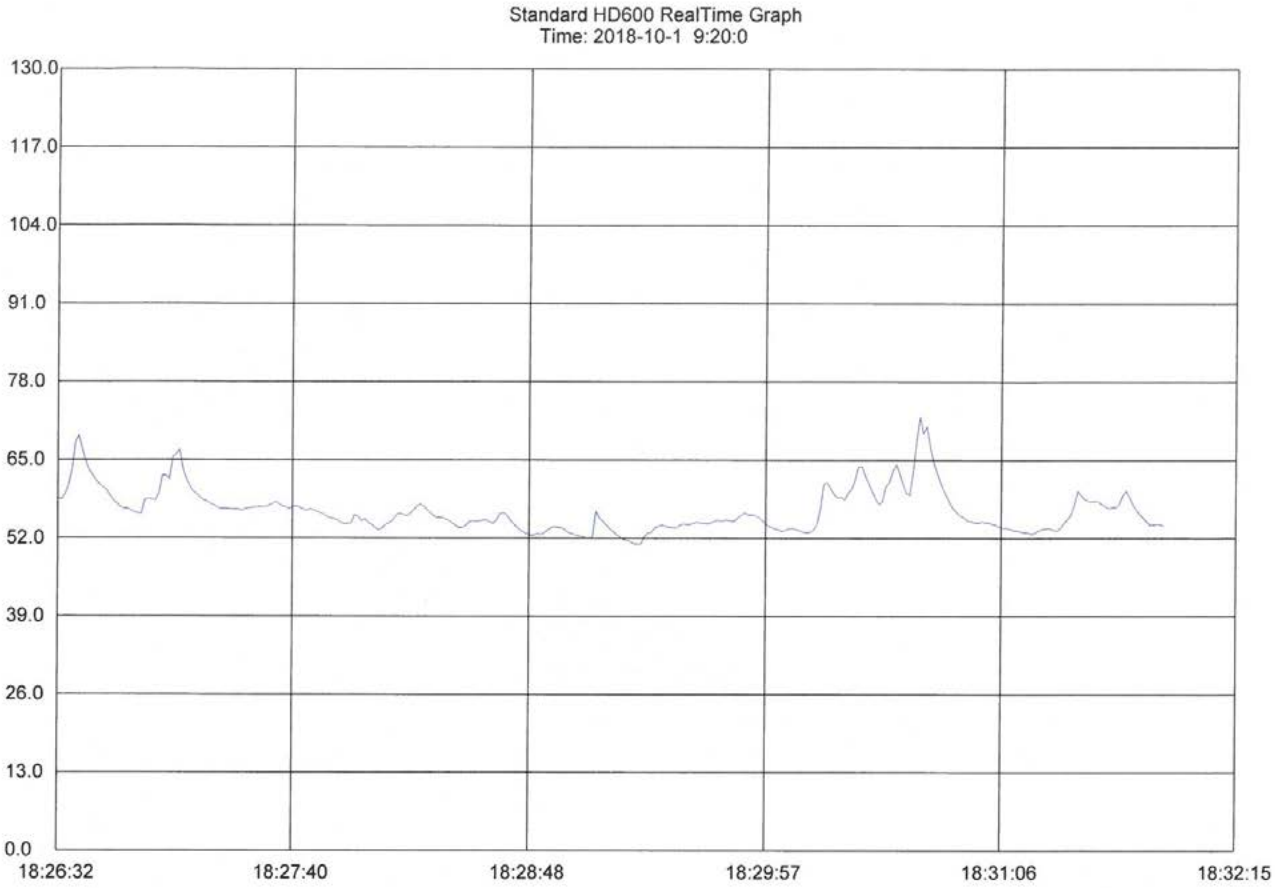
Start Time: 29-09-2018,16:52:08
Maxnum: 62.70 29-09-2018,16:52:37
Minnum: 54.90 29-09-2018,16:52:08
Sample Rate: 1.00
Average: 58.51



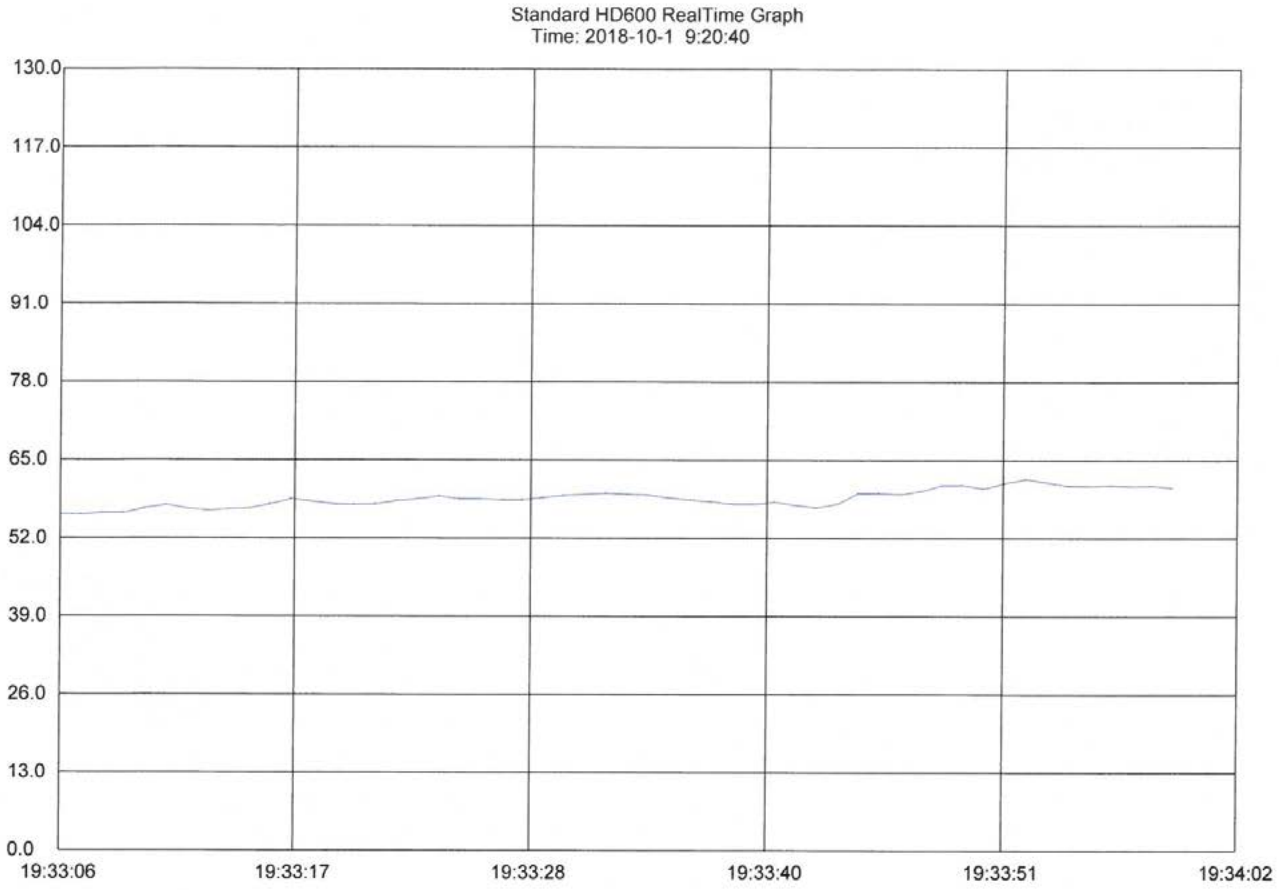
Start Time: 29-09-2018,16:55:23
Maxnum: 66.20 29-09-2018,16:57:37
Minnum: 57.30 29-09-2018,17:00:08
Sample Rate: 1.00
Average: 61.05



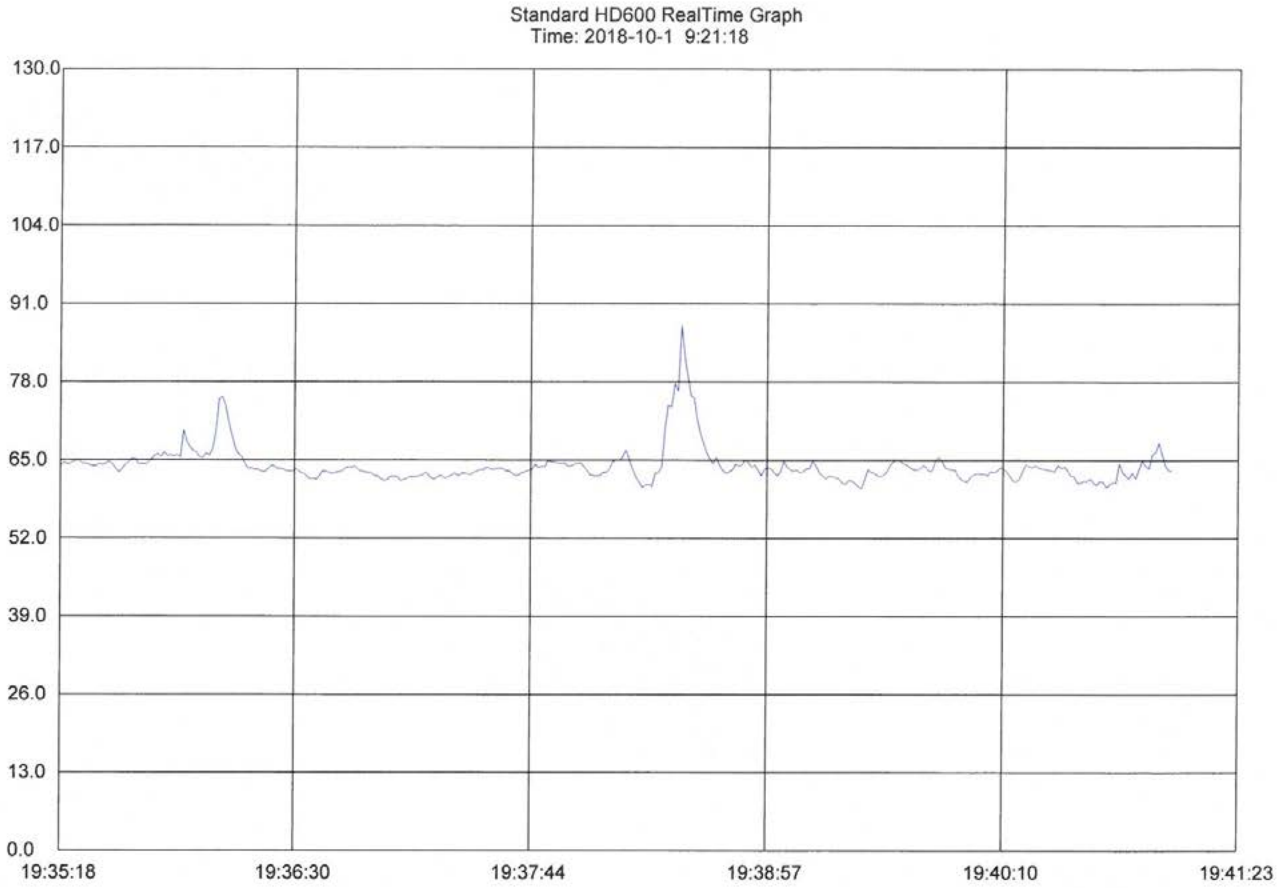
Start Time: 29-09-2018,18:23:26
Maxnum: 59.00 29-09-2018,18:23:26
Minnum: 51.50 29-09-2018,18:24:12
Sample Rate: 1.00
Average: 54.50



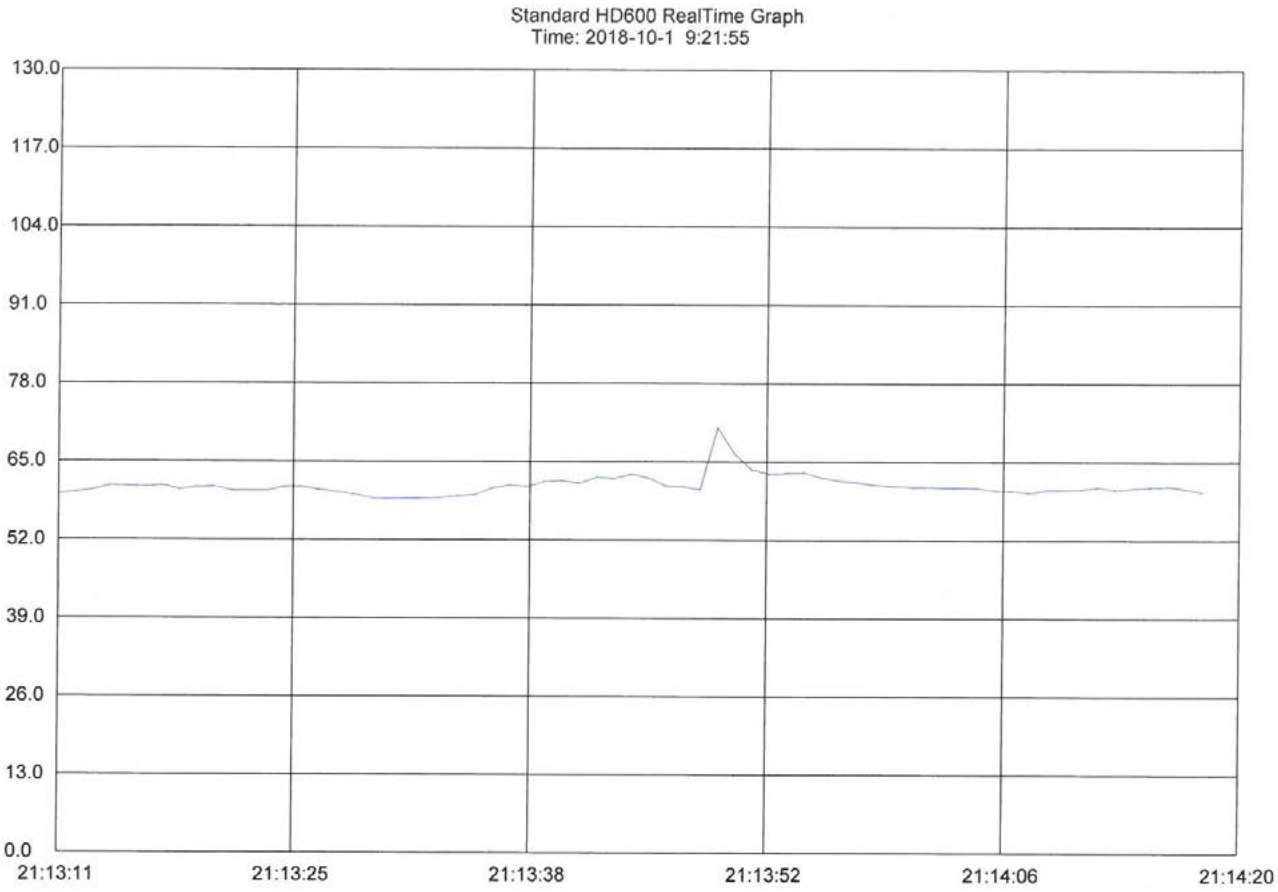
Start Time: 29-09-2018,18:26:32
Maxnum: 72.20 29-09-2018,18:30:42
Minnum: 51.00 29-09-2018,18:29:21
Sample Rate: 1.00
Average: 56.55



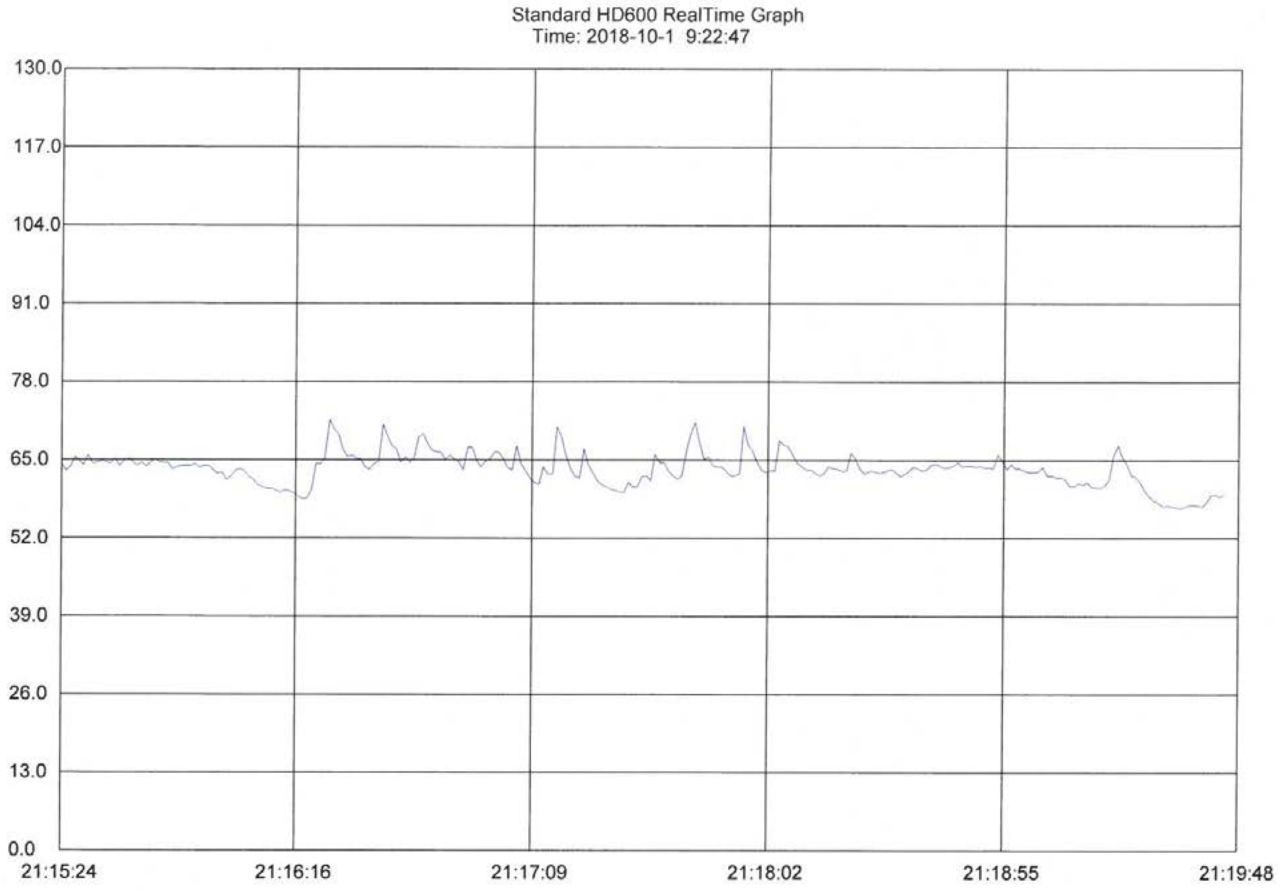
Start Time: 29-09-2018,19:33:06
Maxnum: 61.90 29-09-2018,19:33:52
Minnum: 55.90 29-09-2018,19:33:07
Sample Rate: 1.00
Average: 58.67



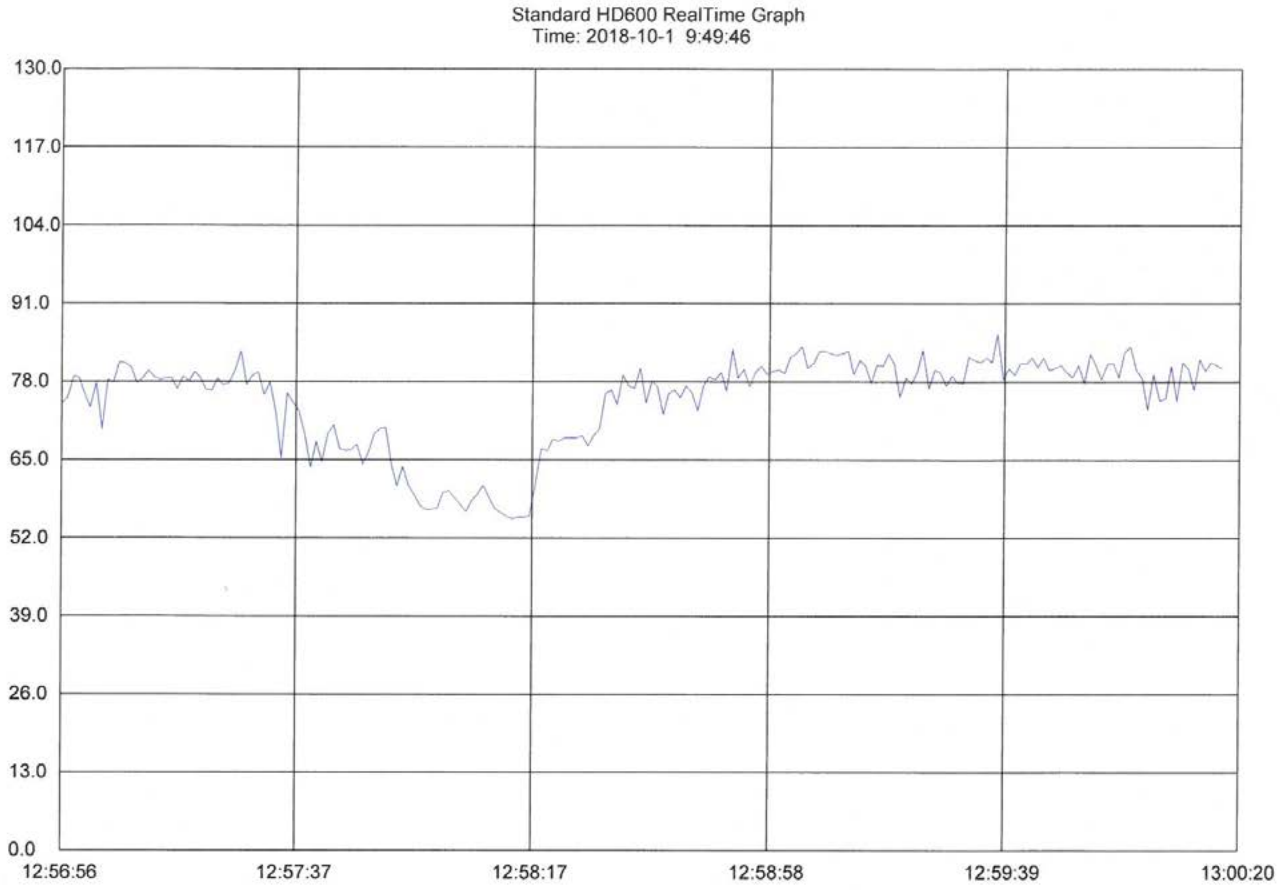
Start Time: 29-09-2018,19:35:18
Maxnum: 87.40 29-09-2018,19:38:30
Minnum: 60.30 29-09-2018,19:39:26
Sample Rate: 1.00
Average: 64.08



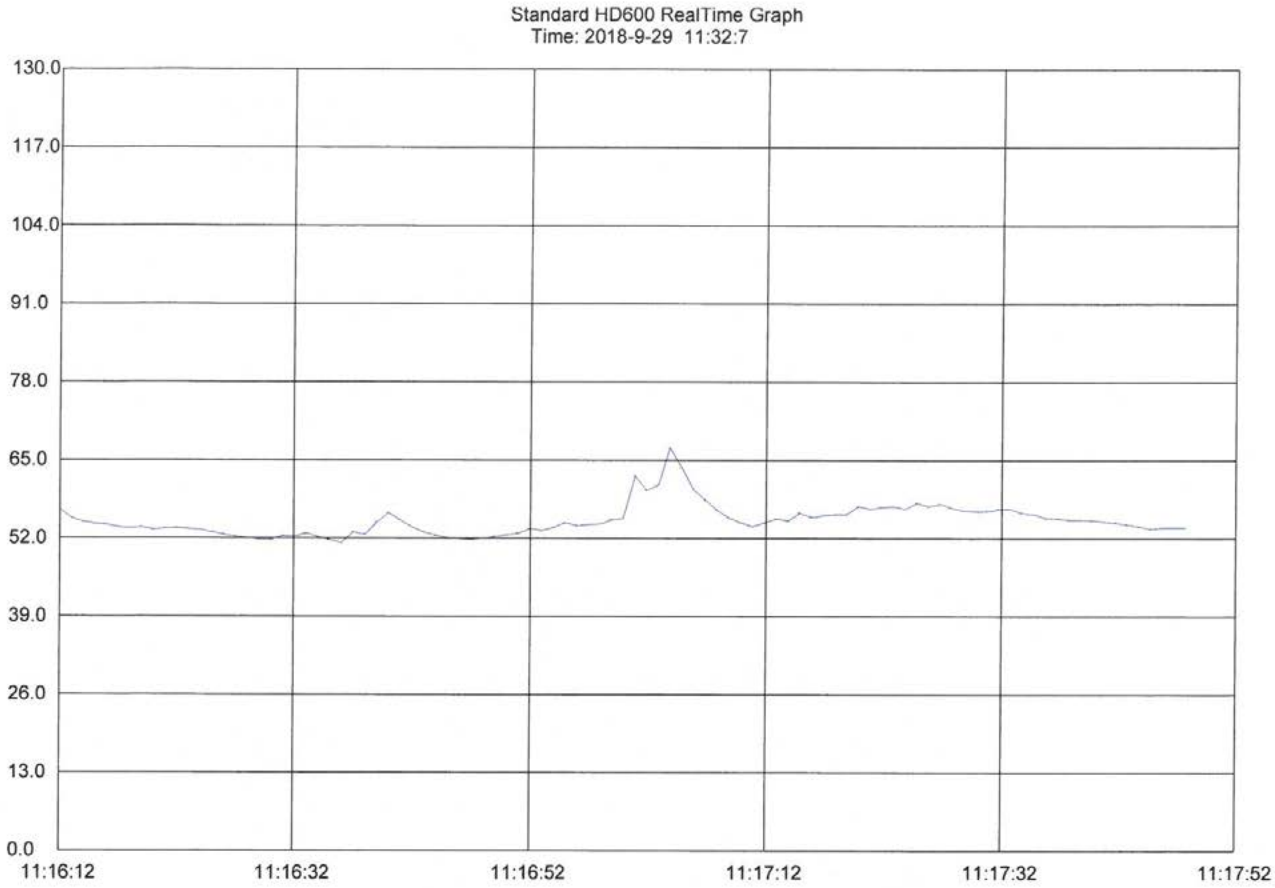
Start Time: 29-09-2018,21:13:11
Maxnum: 70.70 29-09-2018,21:13:49
Minnum: 58.80 29-09-2018,21:13:30
Sample Rate: 1.00
Average: 61.02



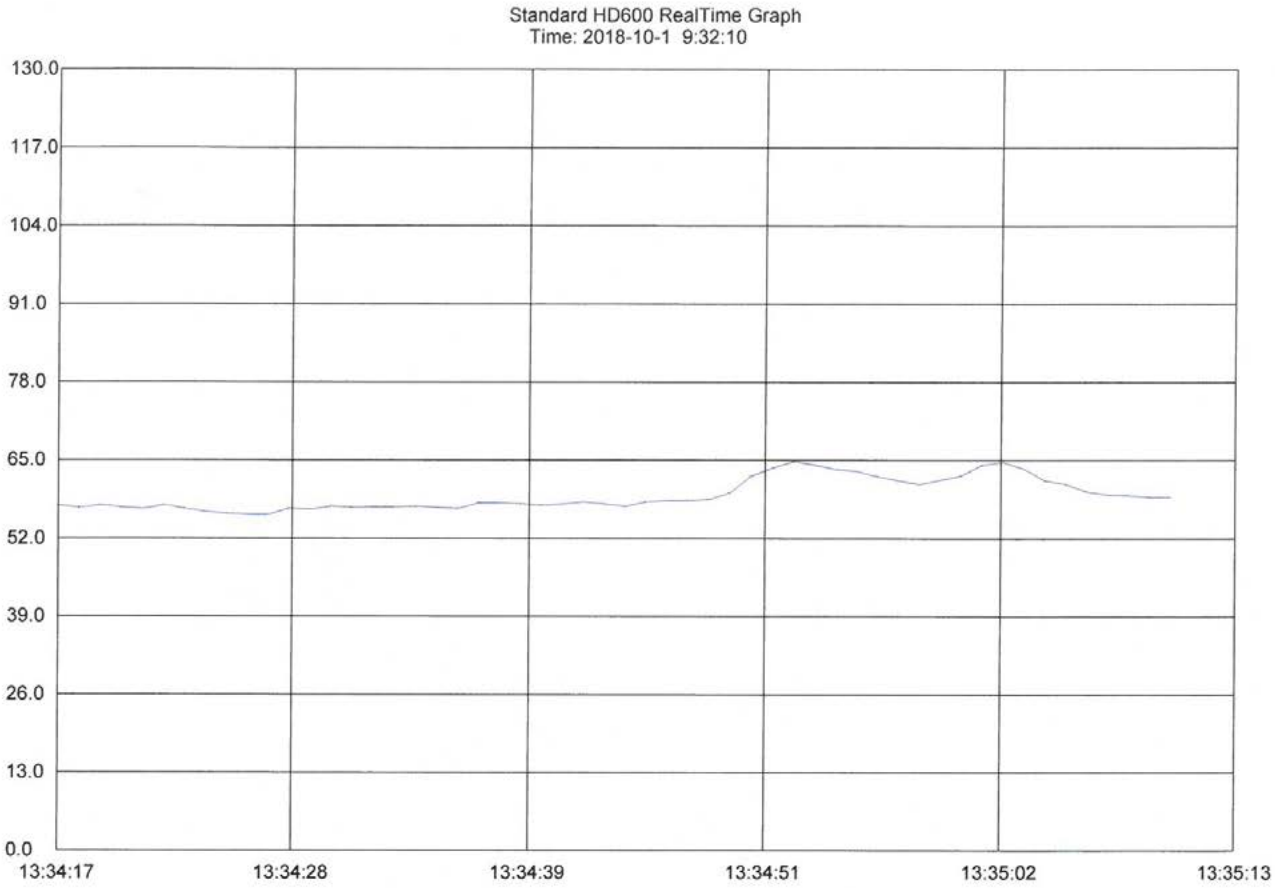
Start Time: 29-09-2018,21:15:24
Maxnum: 71.70 29-09-2018,21:16:24
Minnum: 57.00 29-09-2018,21:19:35
Sample Rate: 1.00
Average: 63.47



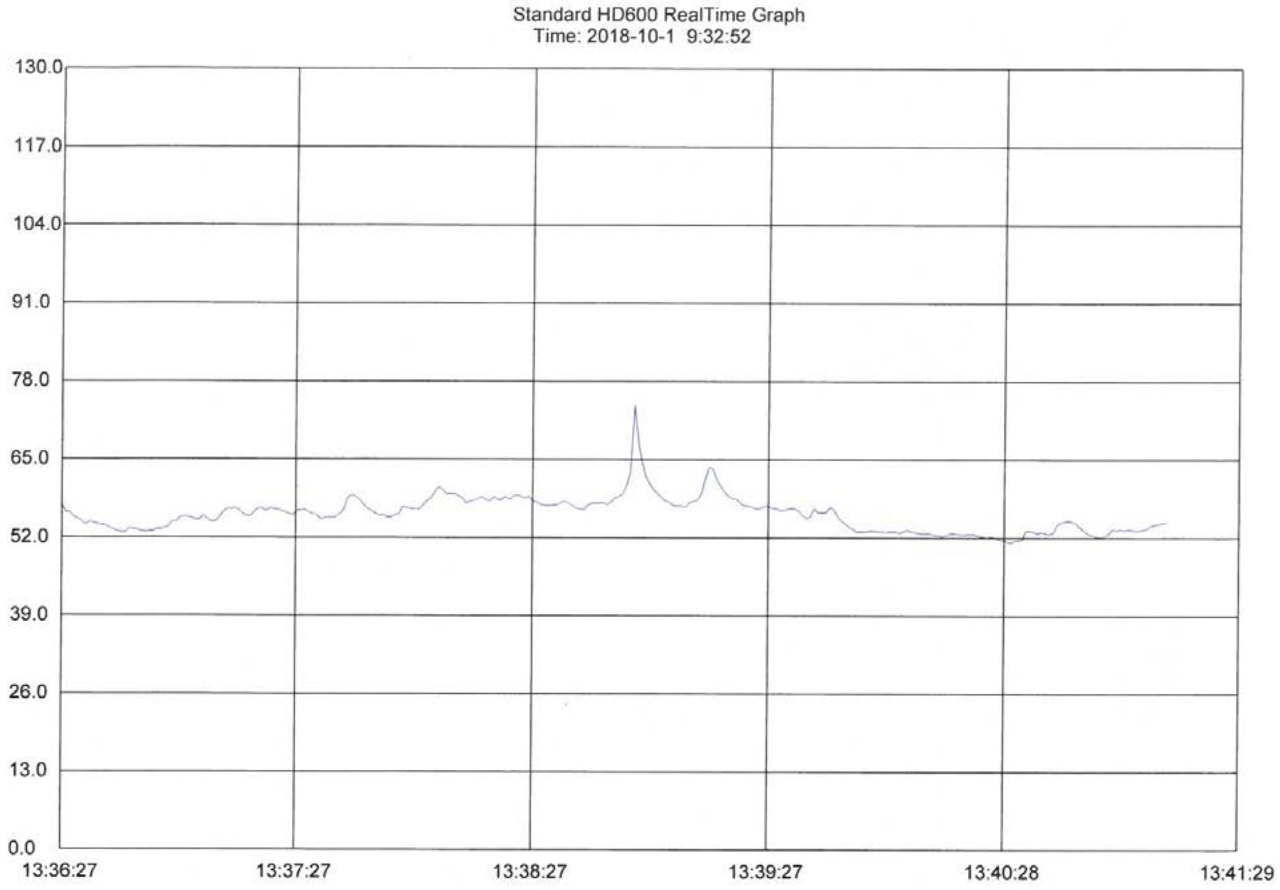
Start Time: 29-09-2018,12:56:56
Maxnum: 85.90 29-09-2018,12:59:38
Minnum: 55.20 29-09-2018,12:58:14
Sample Rate: 1.00
Average: 74.83



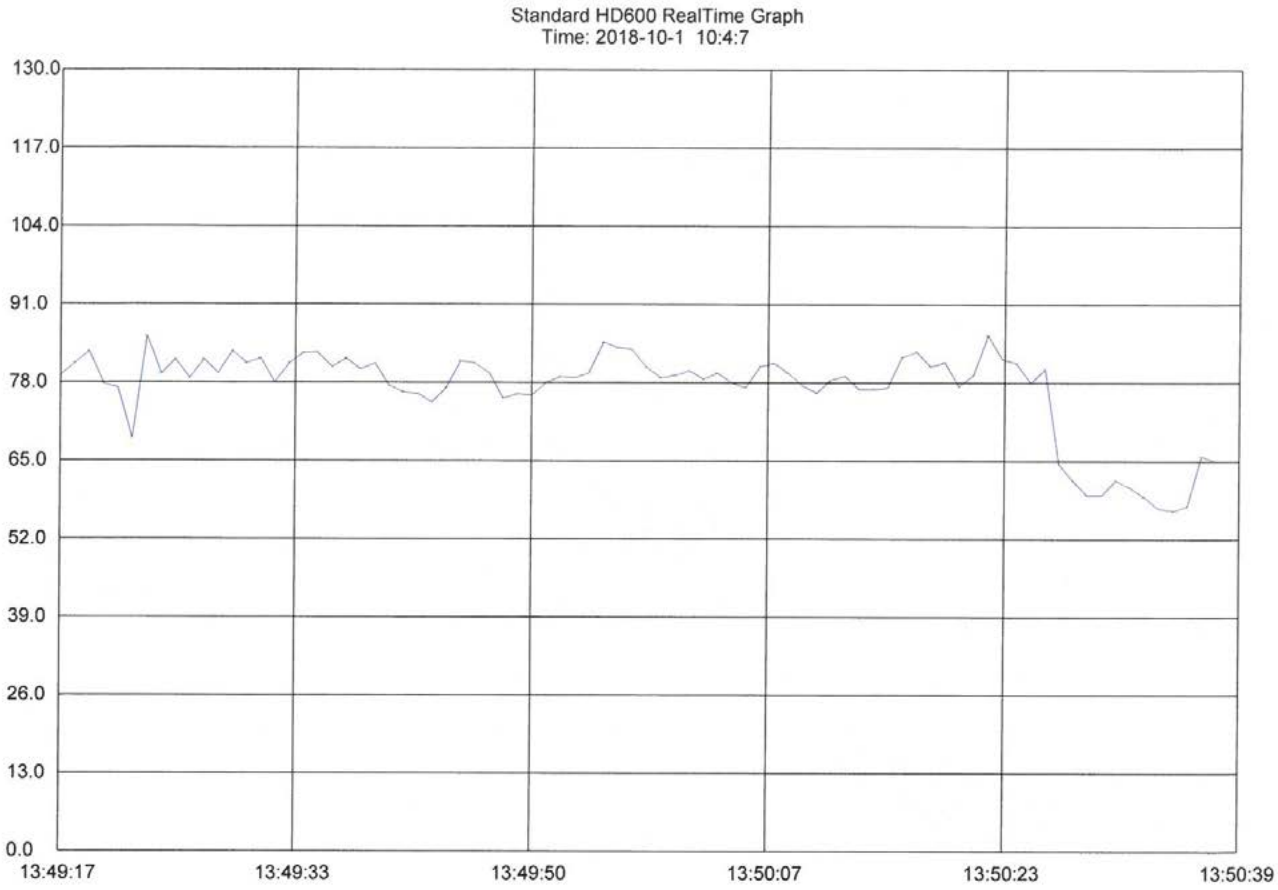
Start Time: 29-09-2018,11:16:12
Maxnum: 67.10 29-09-2018,11:17:04
Minnum: 51.20 29-09-2018,11:16:36
Sample Rate: 1.00
Average: 54.97



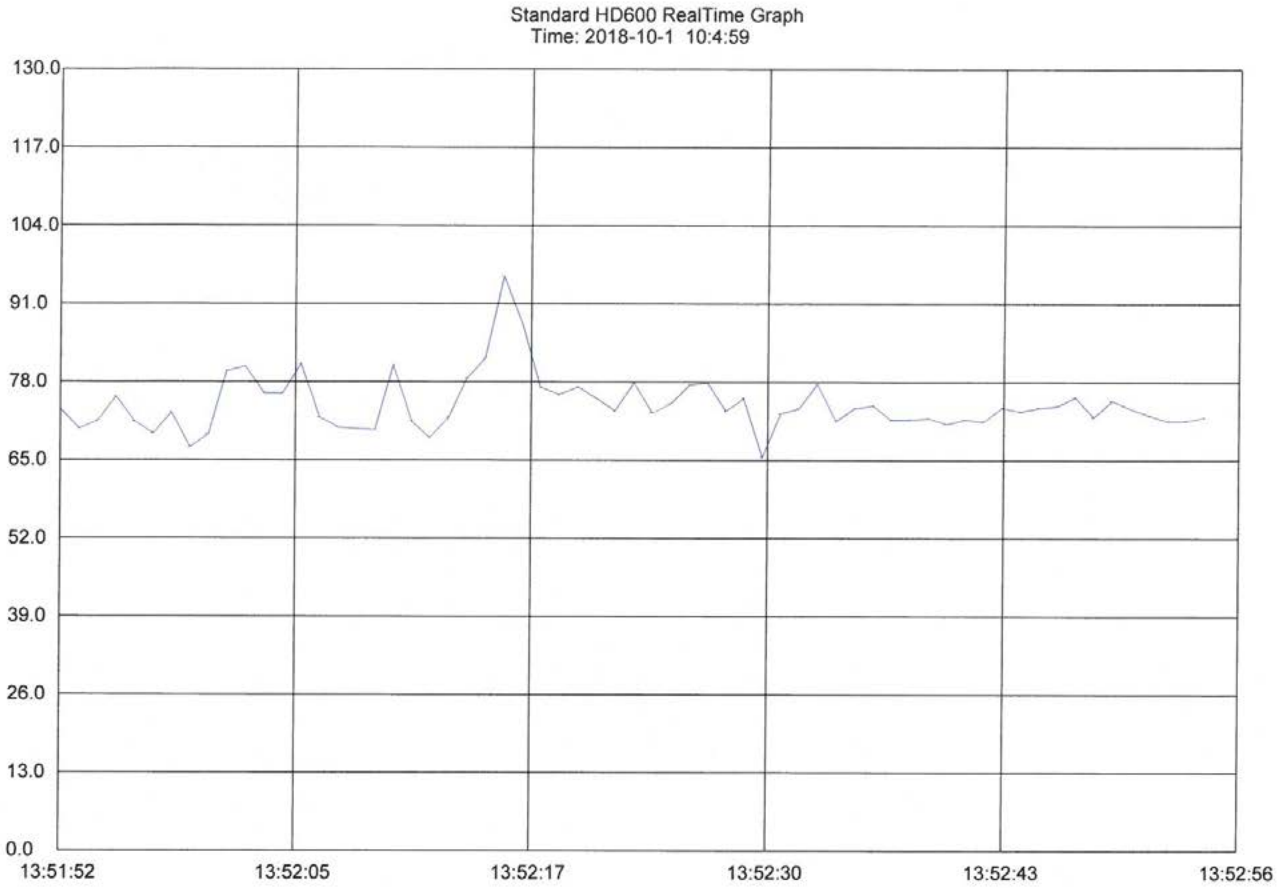
Start Time: 30-09-2018,13:34:17
Maxnum: 64.80 30-09-2018,13:34:52
Minnum: 56.00 30-09-2018,13:34:26
Sample Rate: 1.00
Average: 59.18



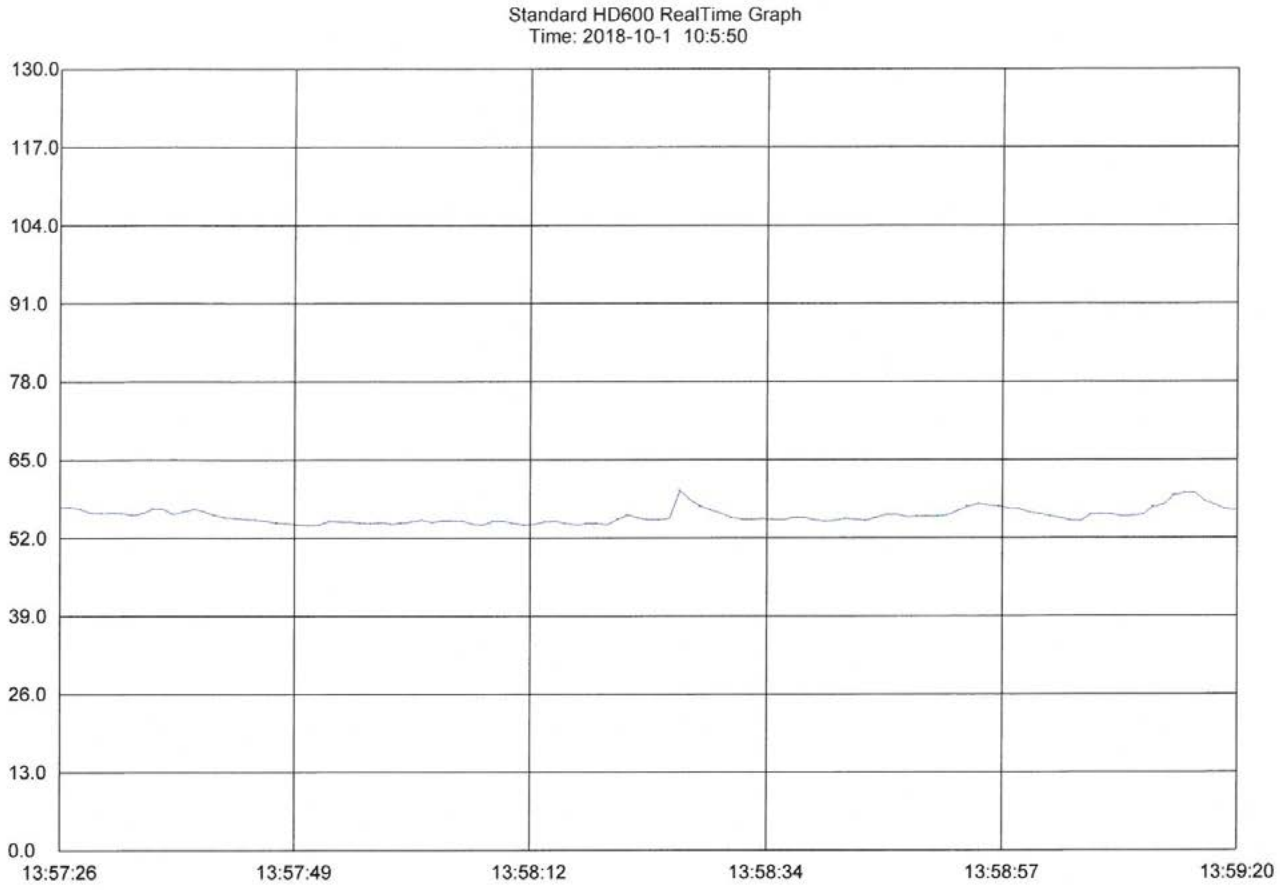
Start Time: 30-09-2018,13:36:27
Maxnum: 74.00 30-09-2018,13:38:53
Minnum: 51.20 30-09-2018,13:40:29
Sample Rate: 1.00
Average: 55.88



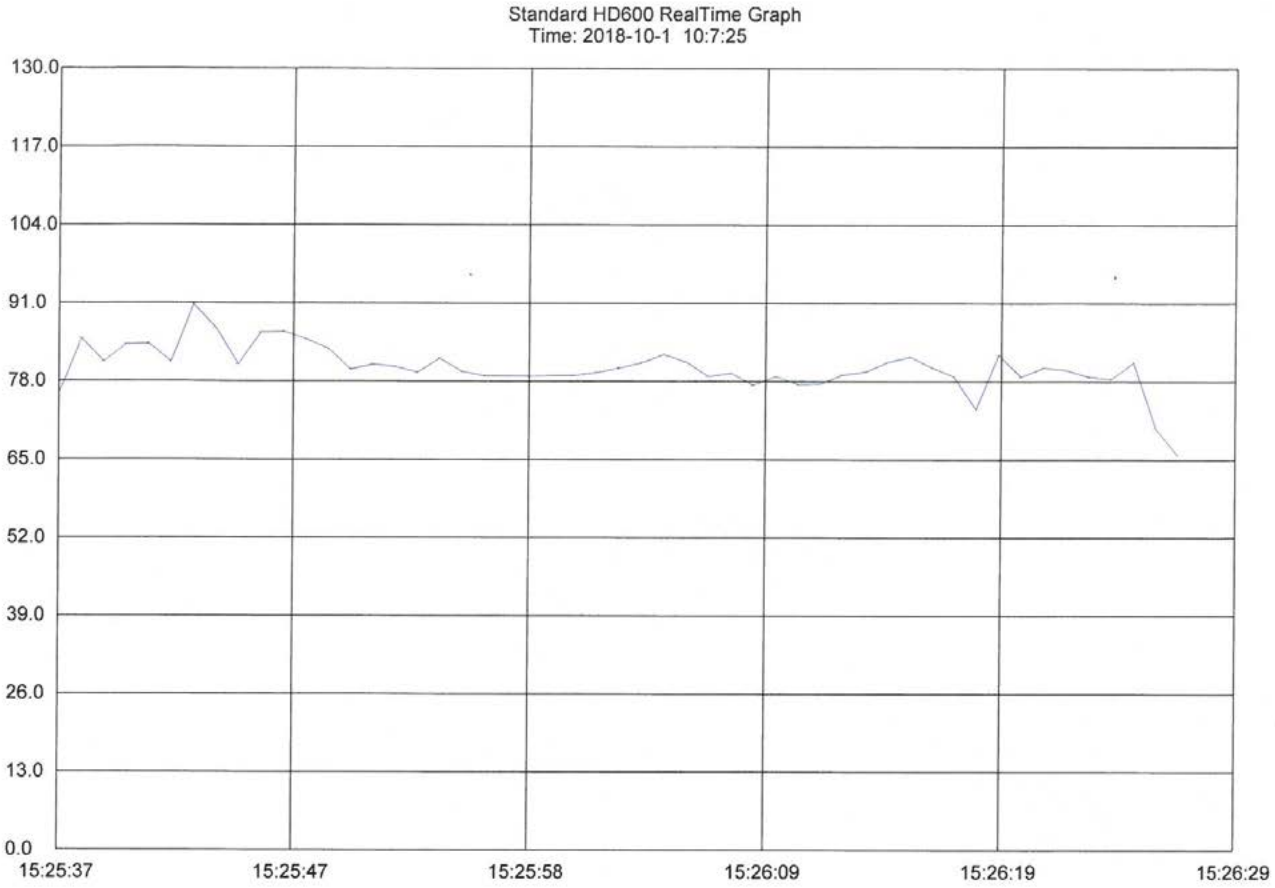
Start Time: 30-09-2018,13:49:17
Maxnum: 85.90 30-09-2018,13:50:22
Minnum: 56.70 30-09-2018,13:50:35
Sample Rate: 1.00
Average: 76.88



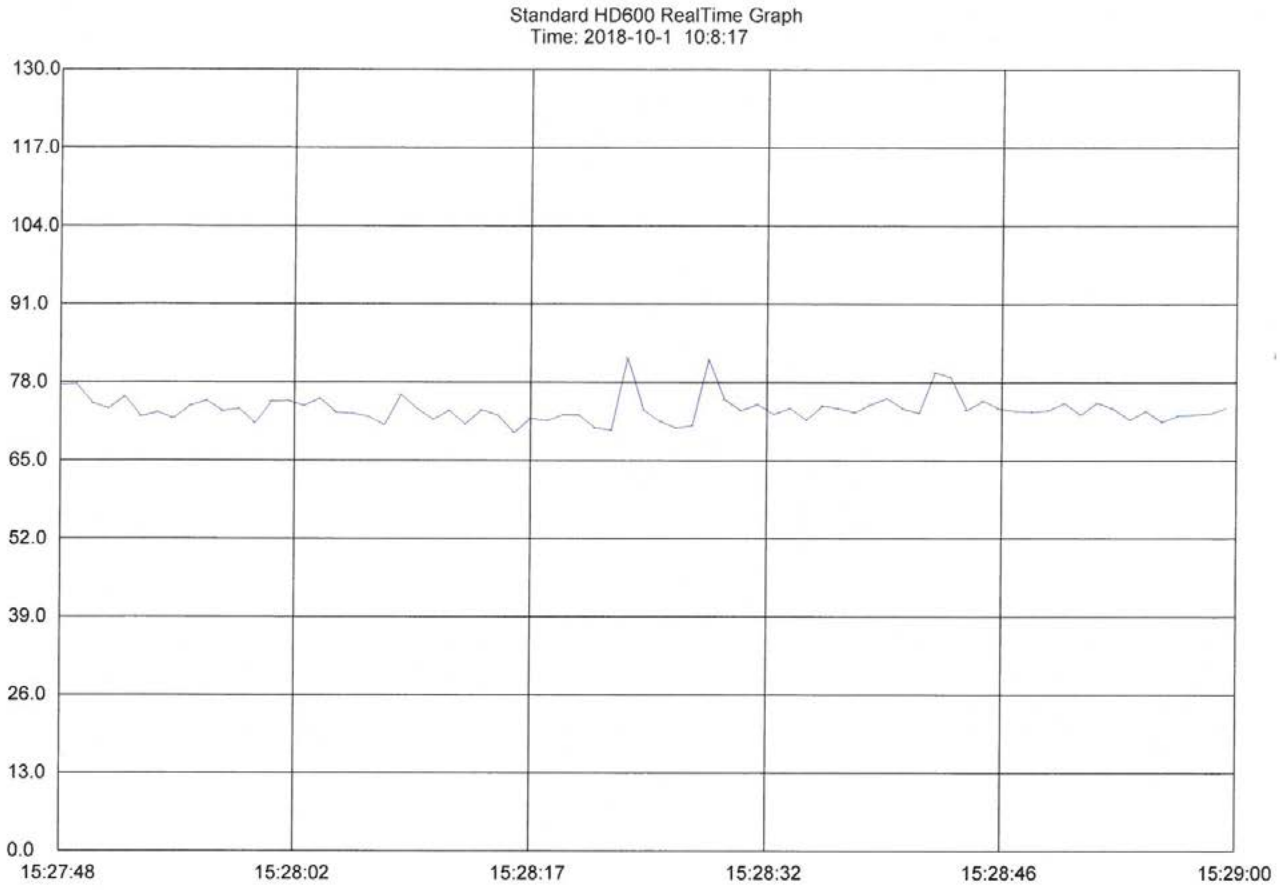
Start Time: 30-09-2018,13:51:52
Maxnum: 95.60 30-09-2018,13:52:16
Minnum: 65.50 30-09-2018,13:52:30
Sample Rate: 1.00
Average: 74.26



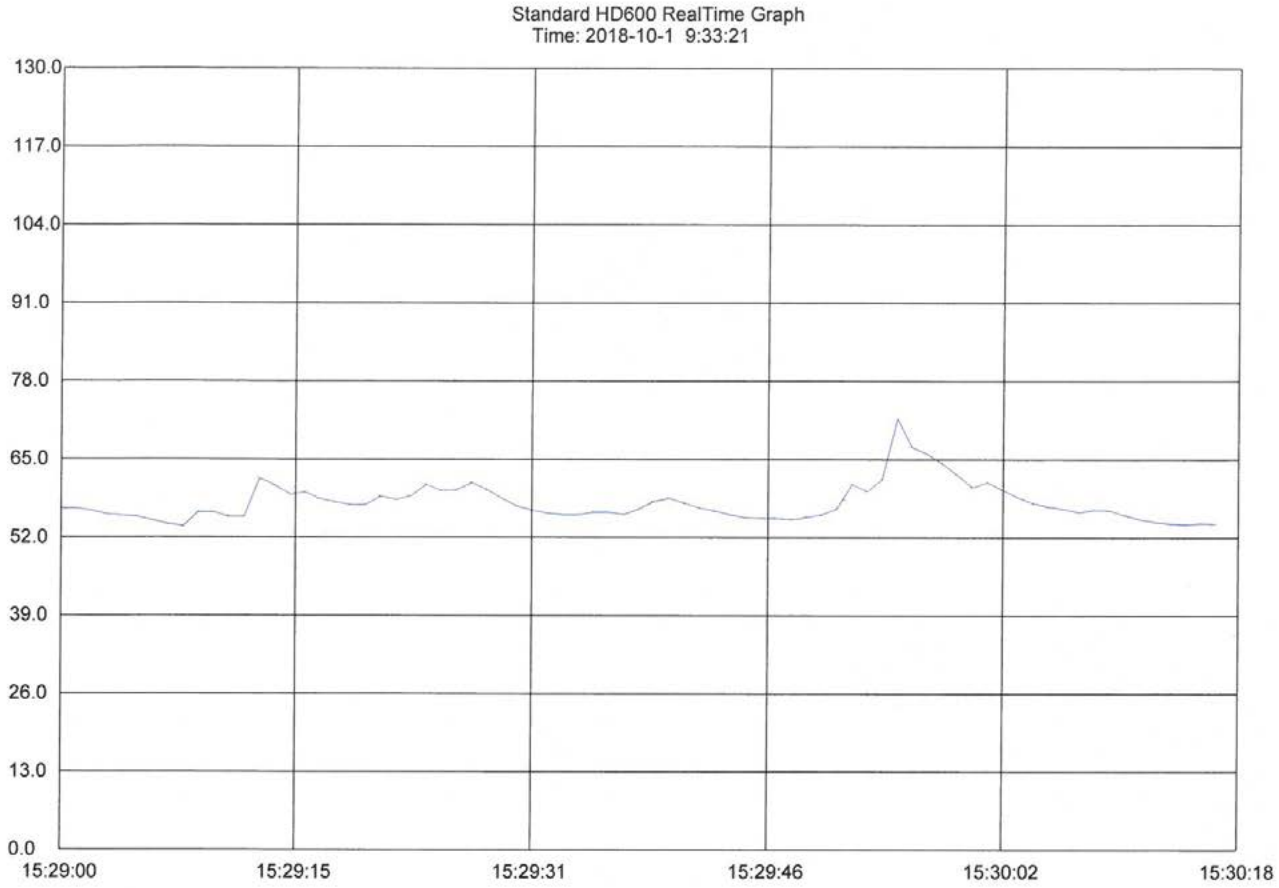
Start Time: 30-09-2018,13:57:26
Maxnum: 59.90 30-09-2018,13:58:26
Minnum: 54.10 30-09-2018,13:57:50
Sample Rate: 1.00
Average: 55.68



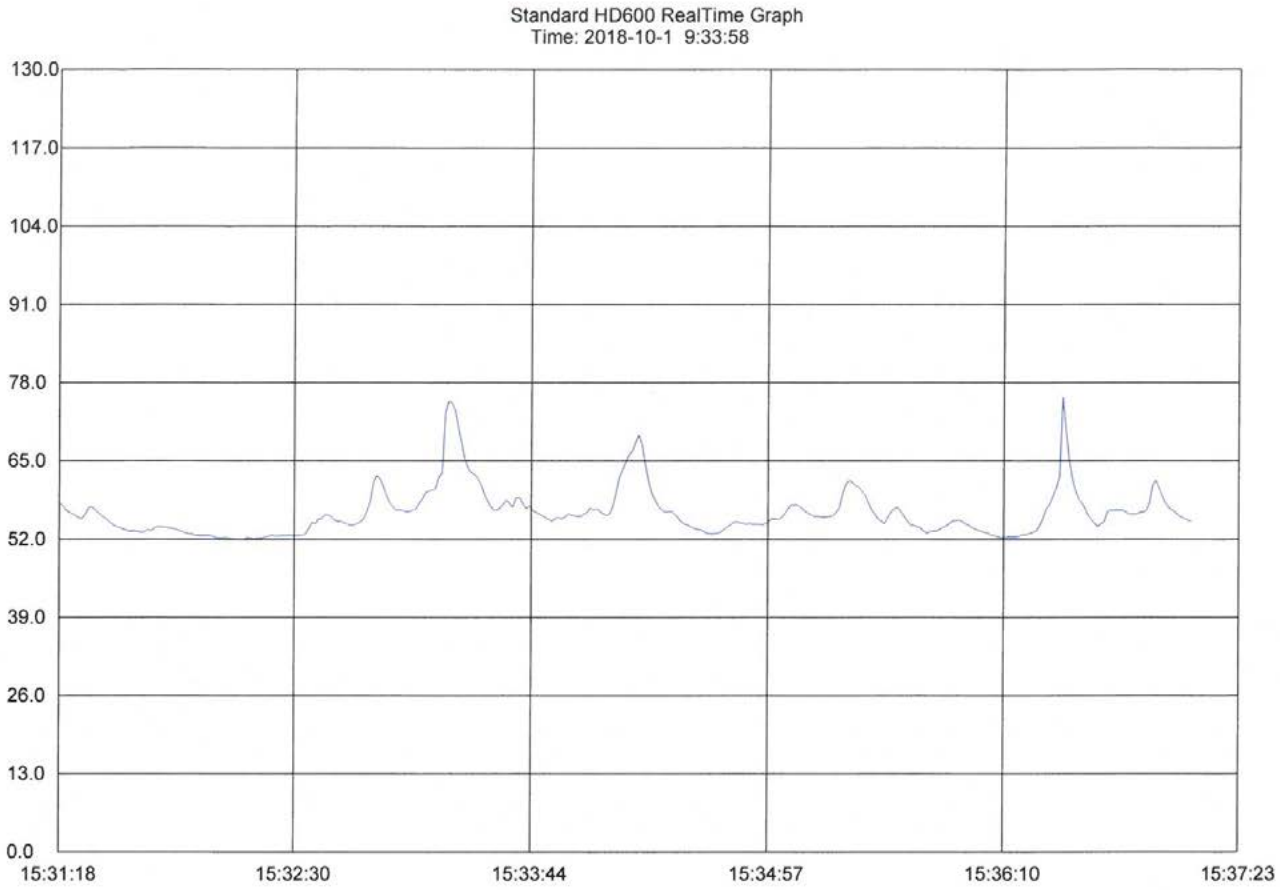
Start Time: 30-09-2018,15:25:37
Maxnum: 90.70 30-09-2018,15:25:43
Minnum: 65.70 30-09-2018,15:26:27
Sample Rate: 1.00
Average: 80.23



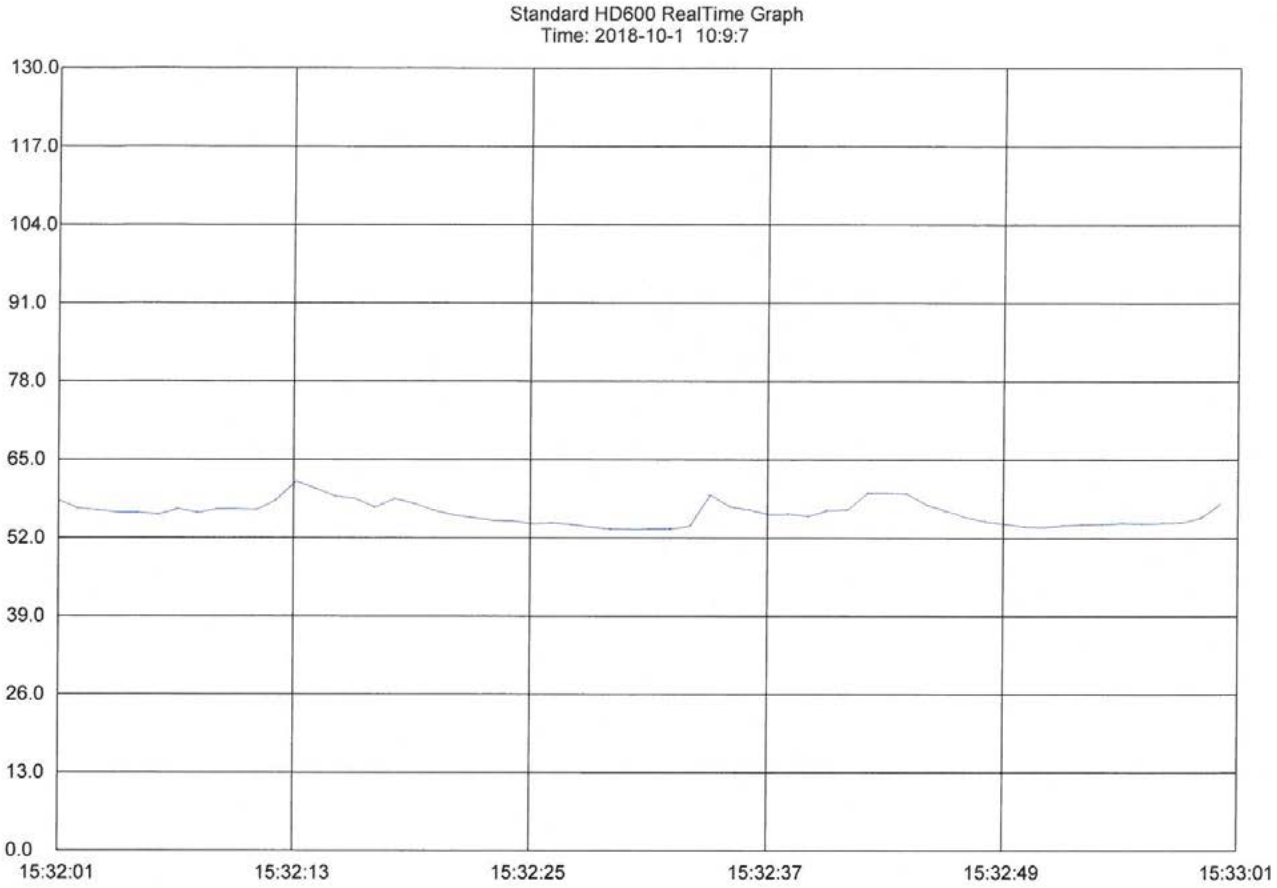
Start Time: 30-09-2018,15:27:48
Maxnum: 82.00 30-09-2018,15:28:23
Minnum: 69.60 30-09-2018,15:28:16
Sample Rate: 1.00
Average: 73.59



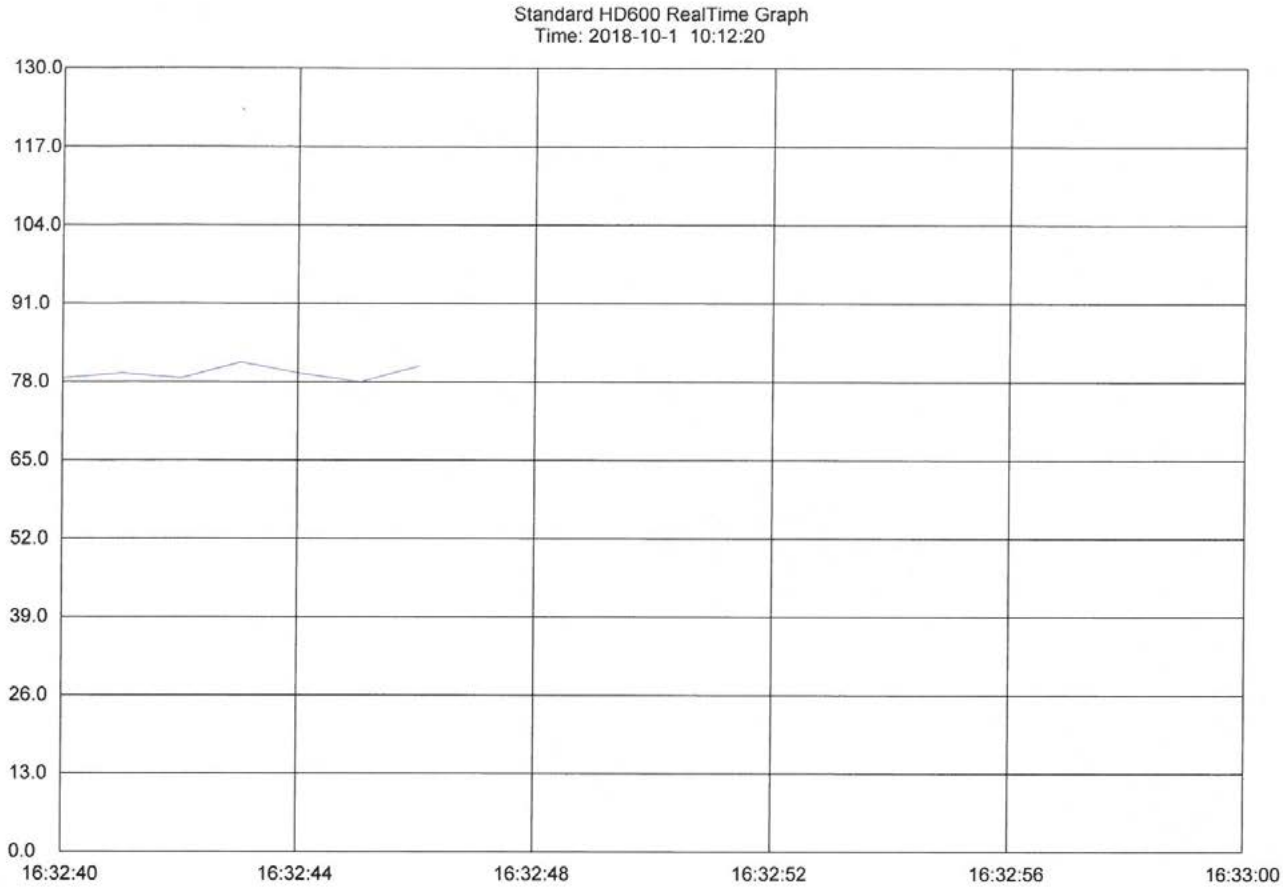
Start Time: 30-09-2018,15:29:00
Maxnum: 71.80 30-09-2018,15:29:55
Minnum: 53.80 30-09-2018,15:29:08
Sample Rate: 1.00
Average: 57.75



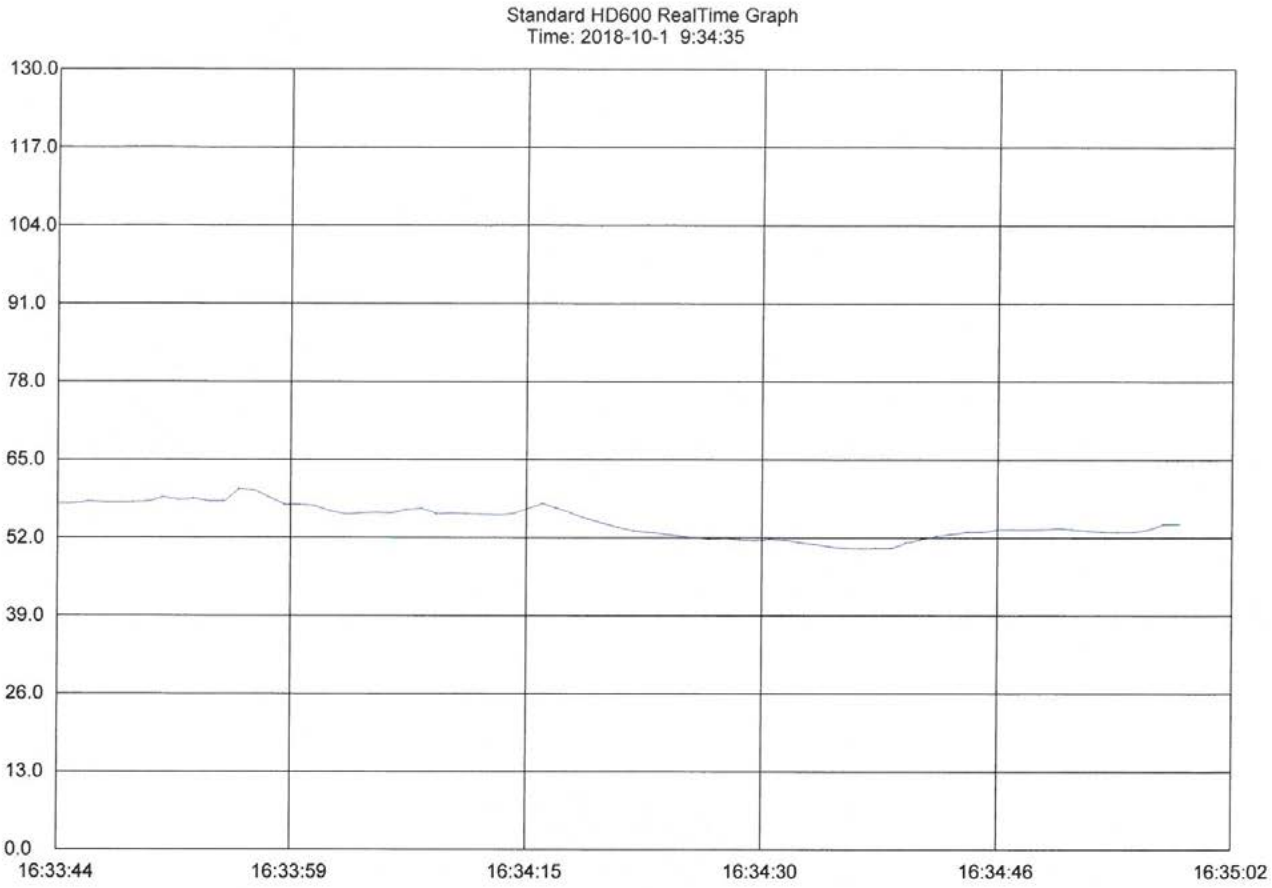
Start Time: 30-09-2018,15:31:18
Maxnum: 75.60 30-09-2018,15:36:28
Minnum: 52.00 30-09-2018,15:32:13
Sample Rate: 1.00
Average: 56.41



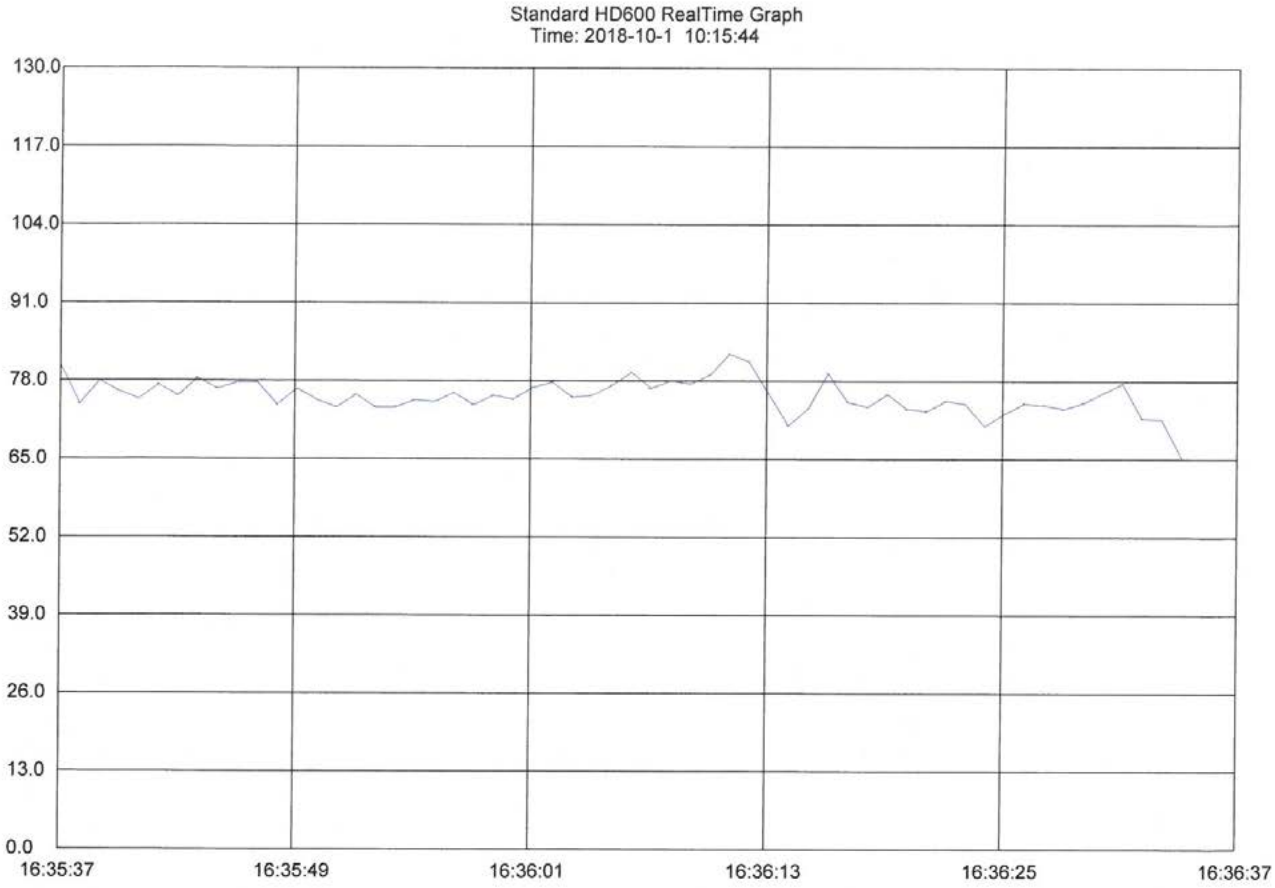
Start Time: 30-09-2018,15:32:01
Maxnum: 61.40 30-09-2018,15:32:13
Minnum: 53.40 30-09-2018,15:32:30
Sample Rate: 1.00
Average: 56.13



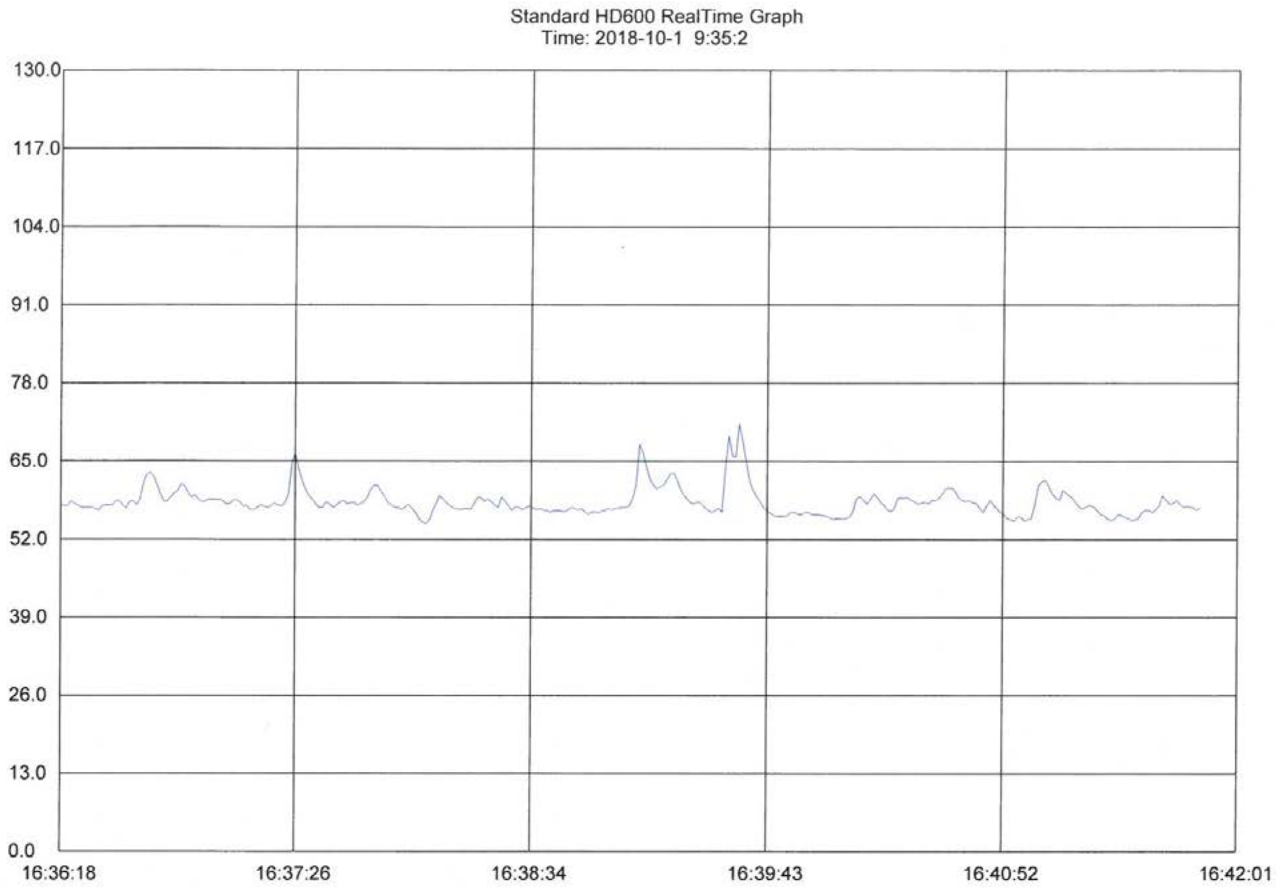
Start Time: 30-09-2018,16:32:40
Maxnum: 81.20 30-09-2018,16:32:43
Minnum: 78.00 30-09-2018,16:32:45
Sample Rate: 1.00
Average: 79.40



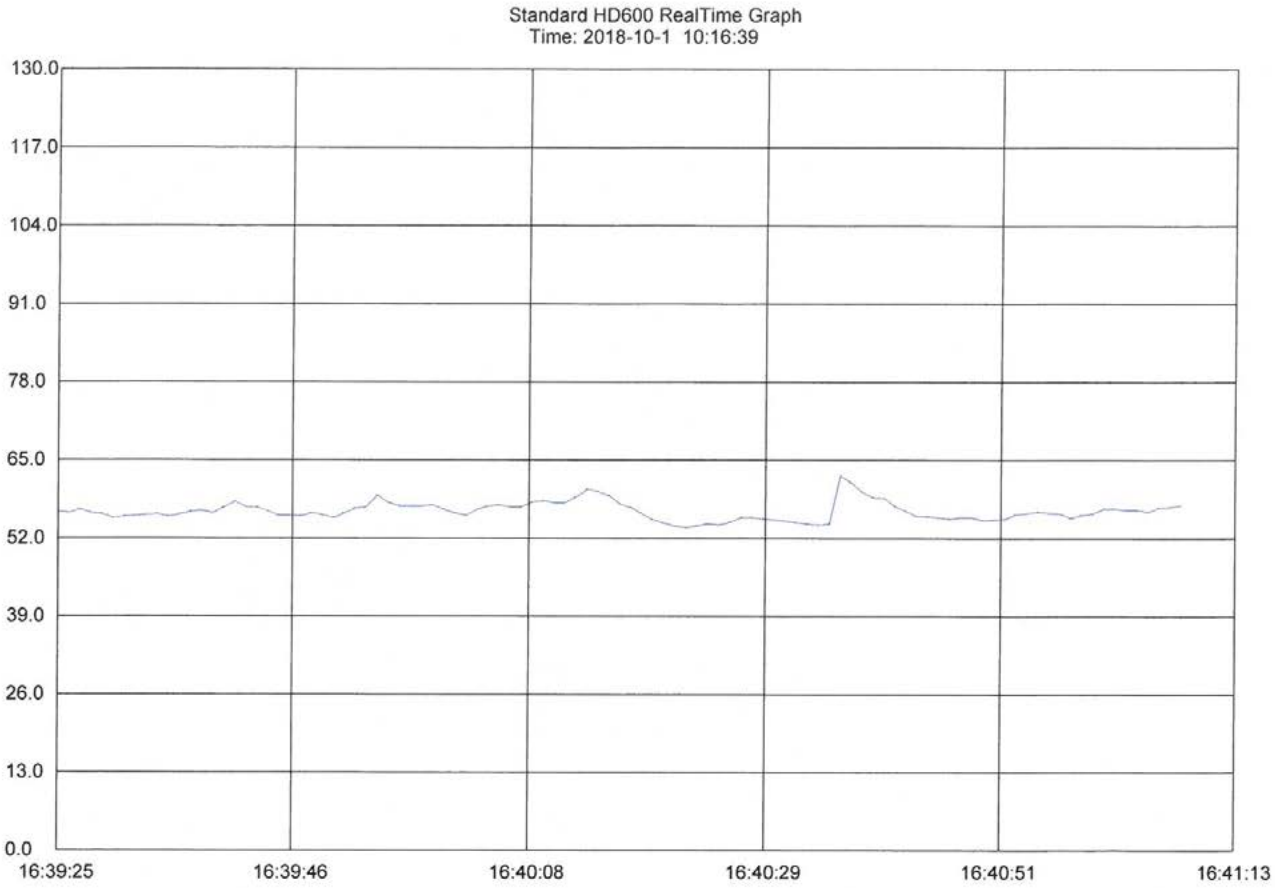
Start Time: 30-09-2018,16:33:44
Maxnum: 60.10 30-09-2018,16:33:56
Minnum: 50.20 30-09-2018,16:34:37
Sample Rate: 1.00
Average: 54.72



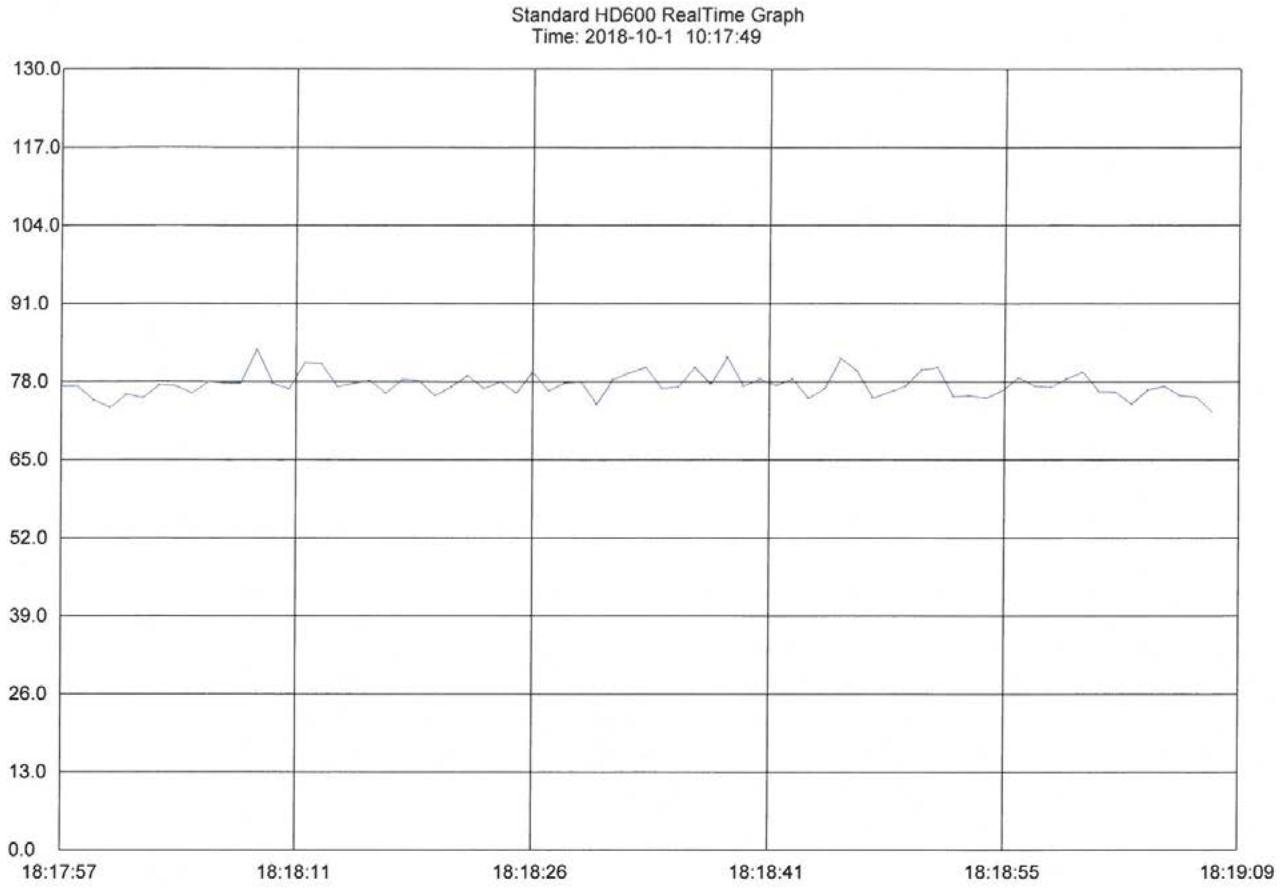
Start Time: 30-09-2018,16:35:37
Maxnum: 82.50 30-09-2018,16:36:11
Minnum: 65.30 30-09-2018,16:36:34
Sample Rate: 1.00
Average: 75.45



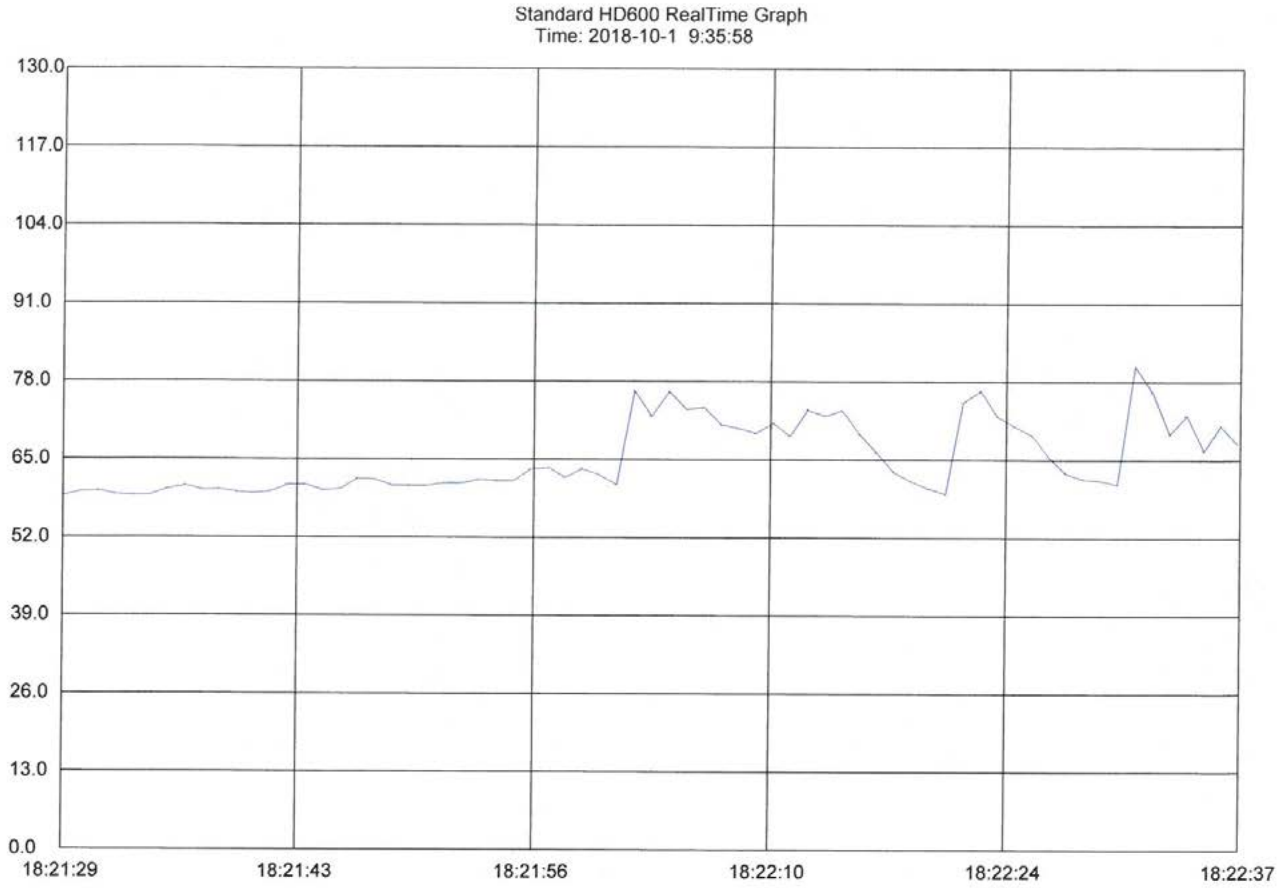
Start Time: 30-09-2018,16:36:18
Maxnum: 71.30 30-09-2018,16:39:35
Minnum: 54.60 30-09-2018,16:38:04
Sample Rate: 1.00
Average: 58.22



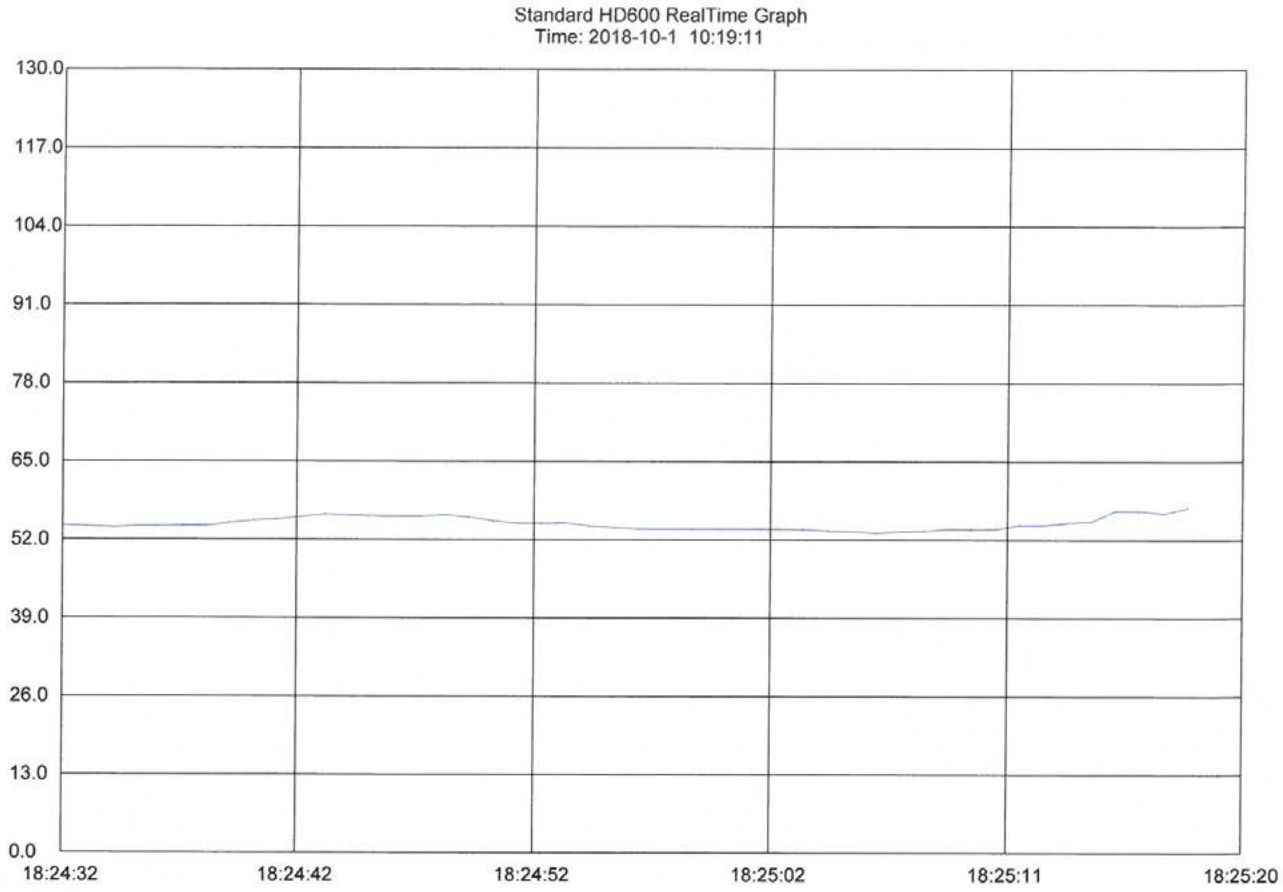
Start Time: 30-09-2018,16:39:25
Maxnum: 62.40 30-09-2018,16:40:36
Minnum: 53.80 30-09-2018,16:40:22
Sample Rate: 1.00
Average: 56.50



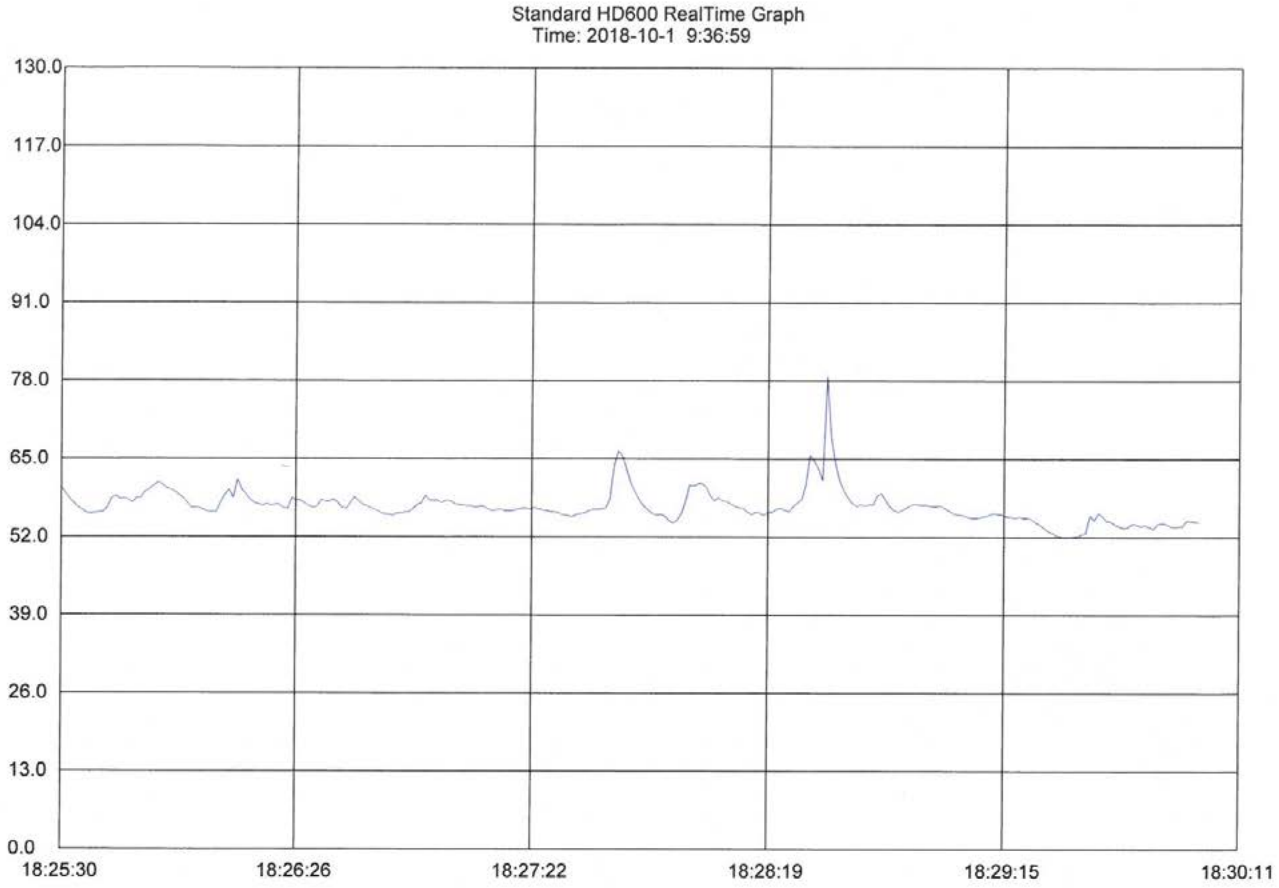
Start Time: 30-09-2018,18:17:57
Maxnum: 83.40 30-09-2018,18:18:09
Minnum: 73.00 30-09-2018,18:19:08
Sample Rate: 1.00
Average: 77.51



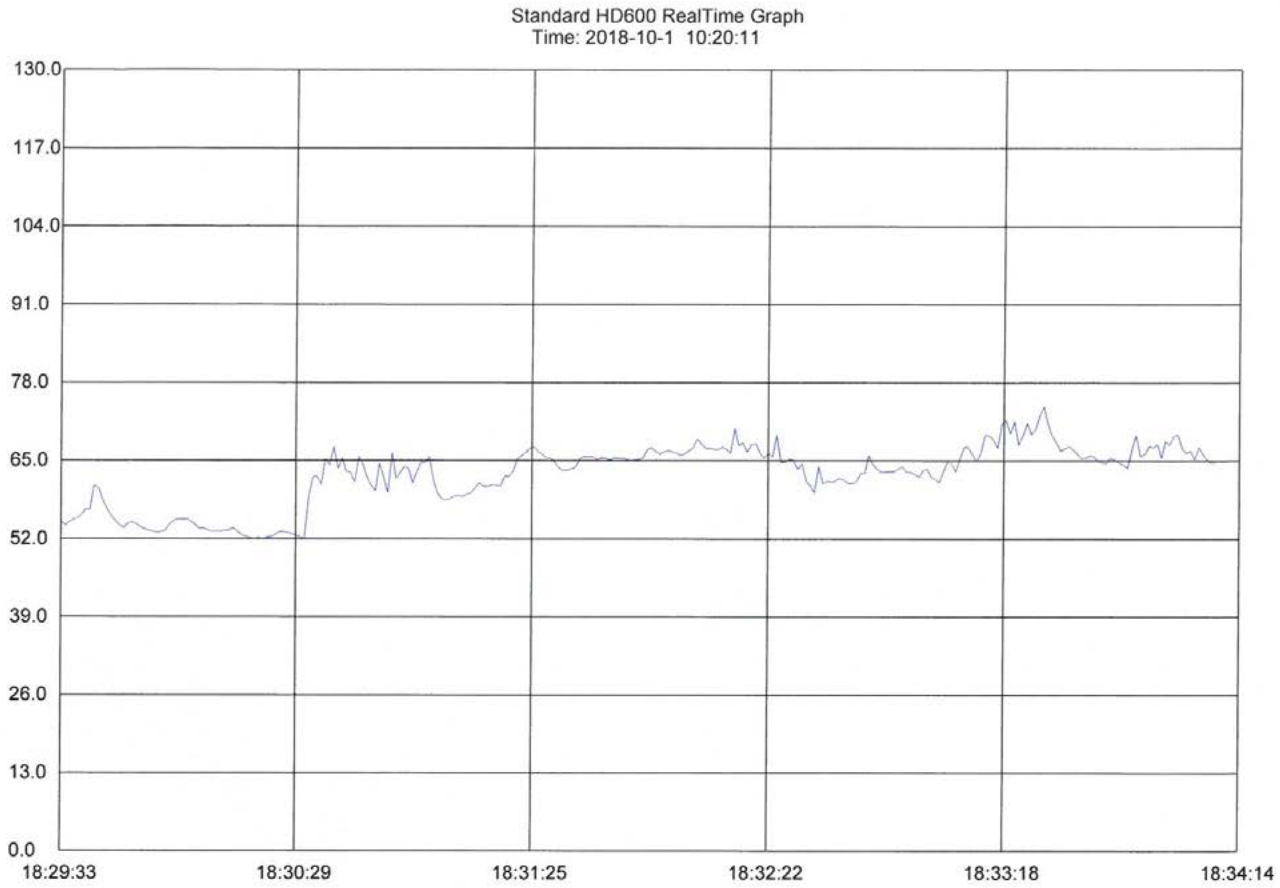
Start Time: 30-09-2018,18:21:29
Maxnum: 80.60 30-09-2018,18:22:31
Minnum: 58.90 30-09-2018,18:21:29
Sample Rate: 1.00
Average: 65.23



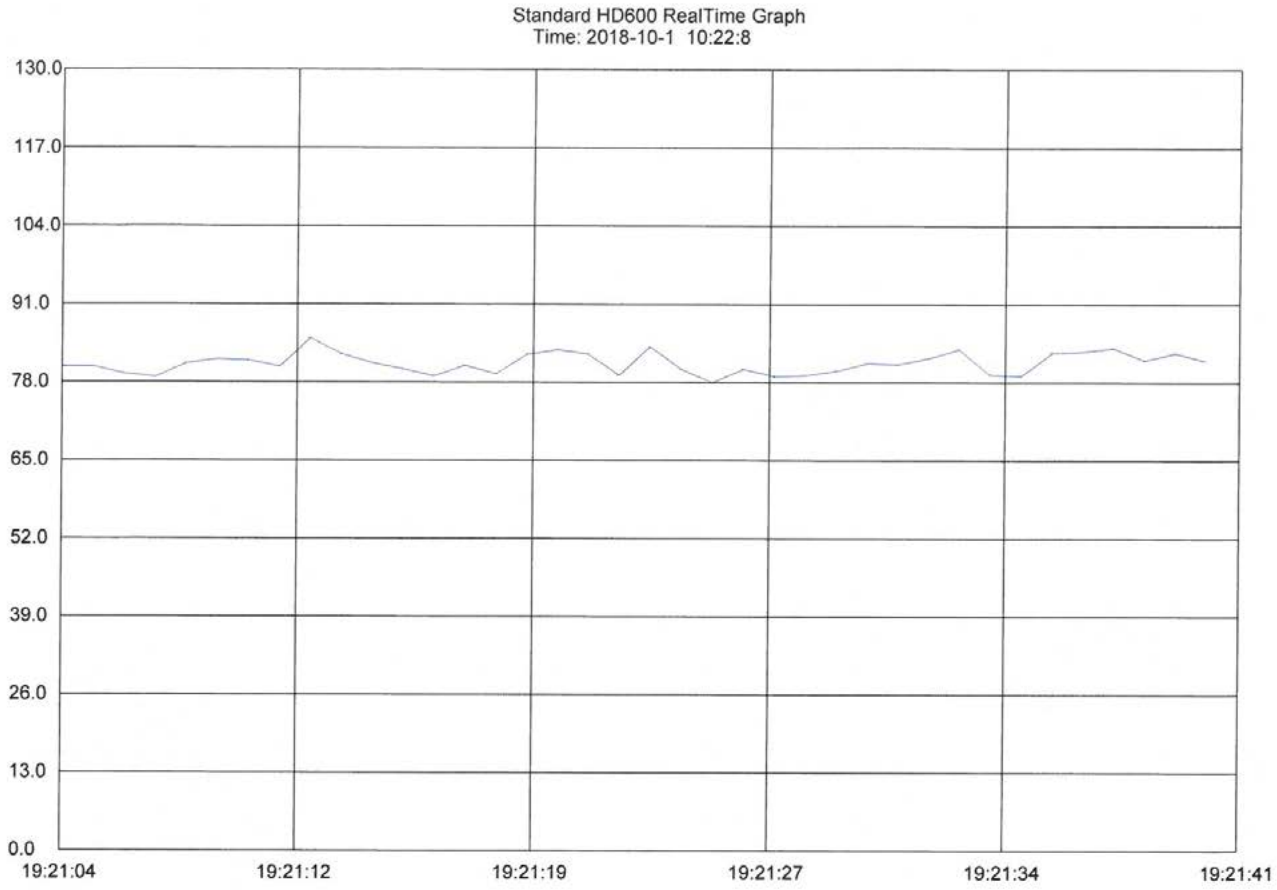
Start Time: 30-09-2018,18:24:32
Maxnum: 57.30 30-09-2018,18:25:19
Minnum: 53.20 30-09-2018,18:25:06
Sample Rate: 1.00
Average: 54.69



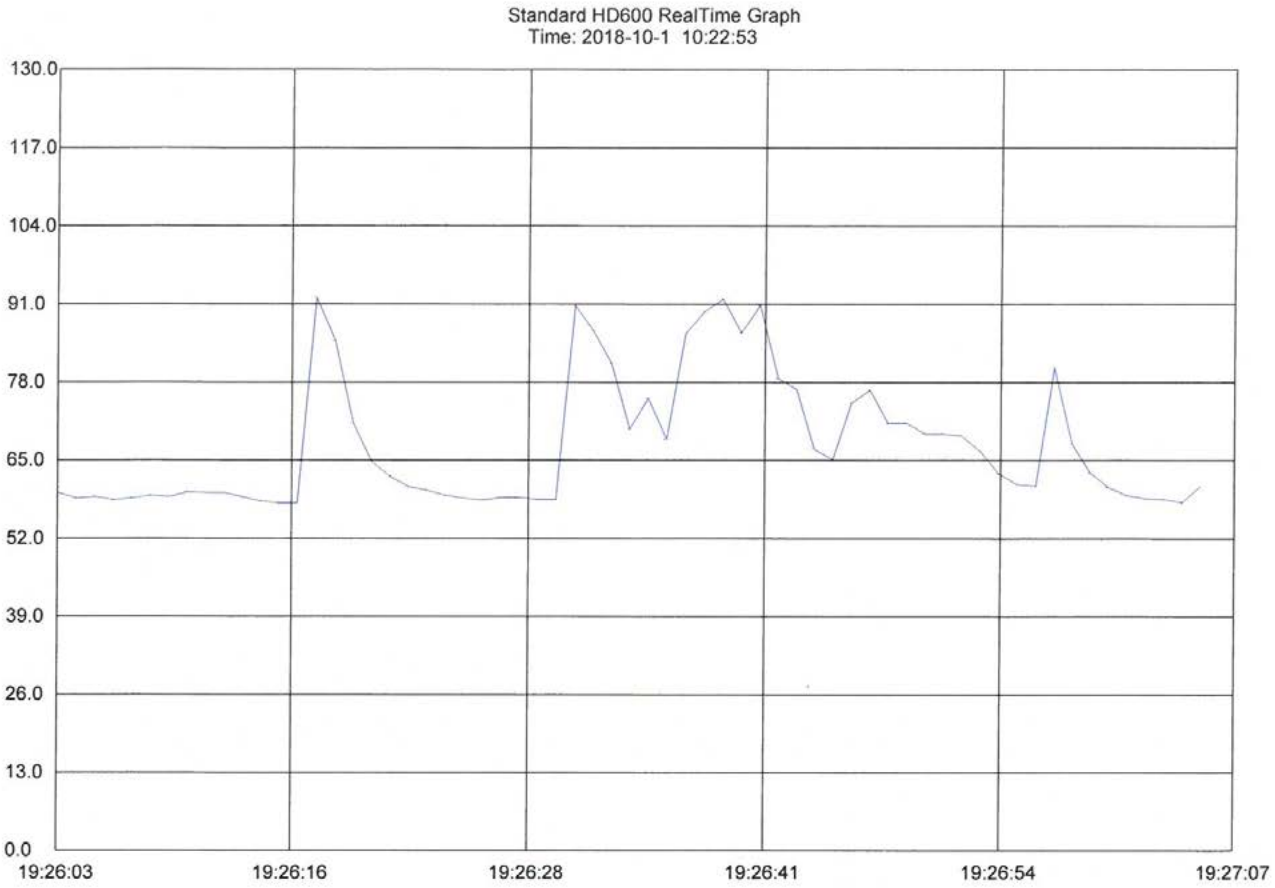
Start Time: 30-09-2018,18:25:30
Maxnum: 78.70 30-09-2018,18:28:33
Minnum: 51.90 30-09-2018,18:29:30
Sample Rate: 1.00
Average: 57.11



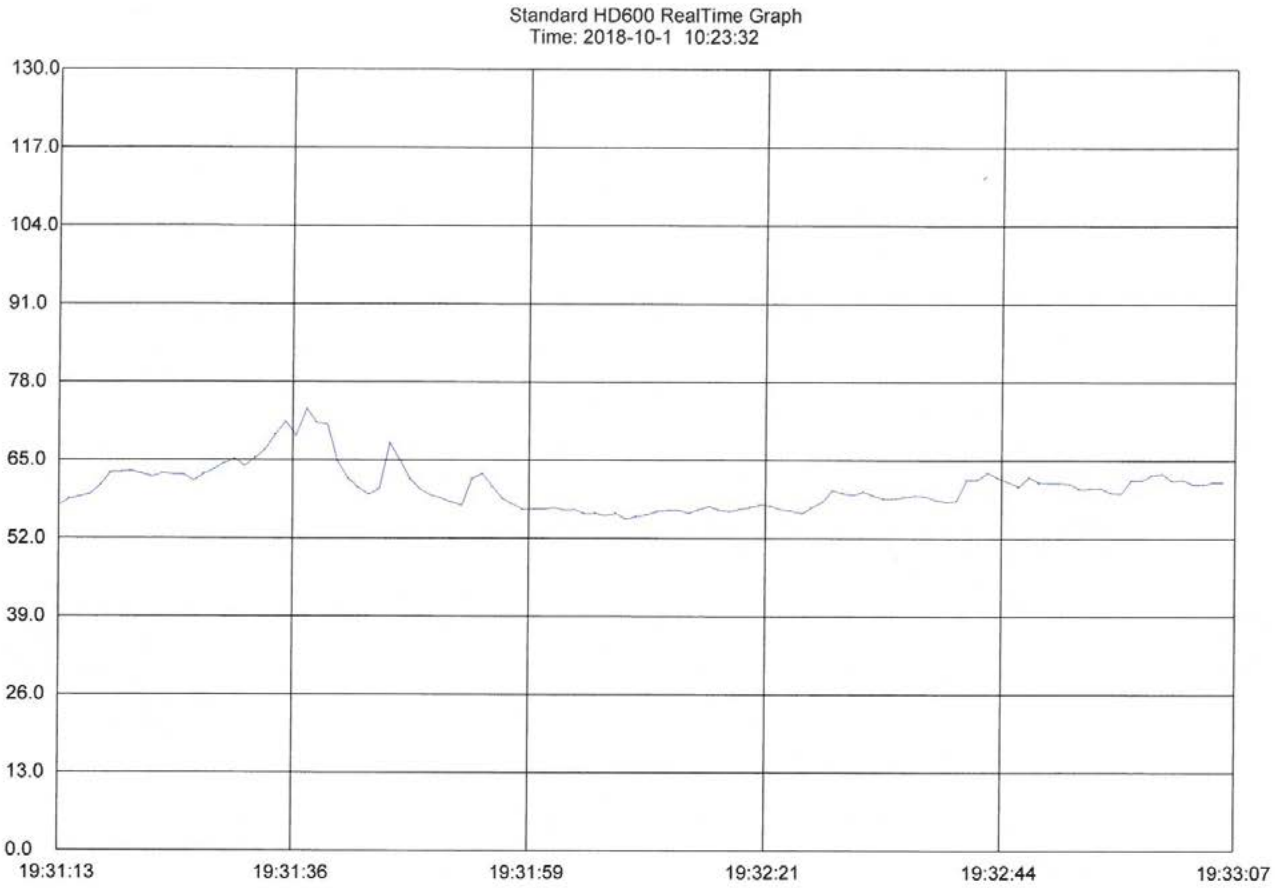
Start Time: 30-09-2018,18:29:33
Maxnum: 74.00 30-09-2018,18:33:28
Minnum: 51.90 30-09-2018,18:30:19
Sample Rate: 1.00
Average: 62.66



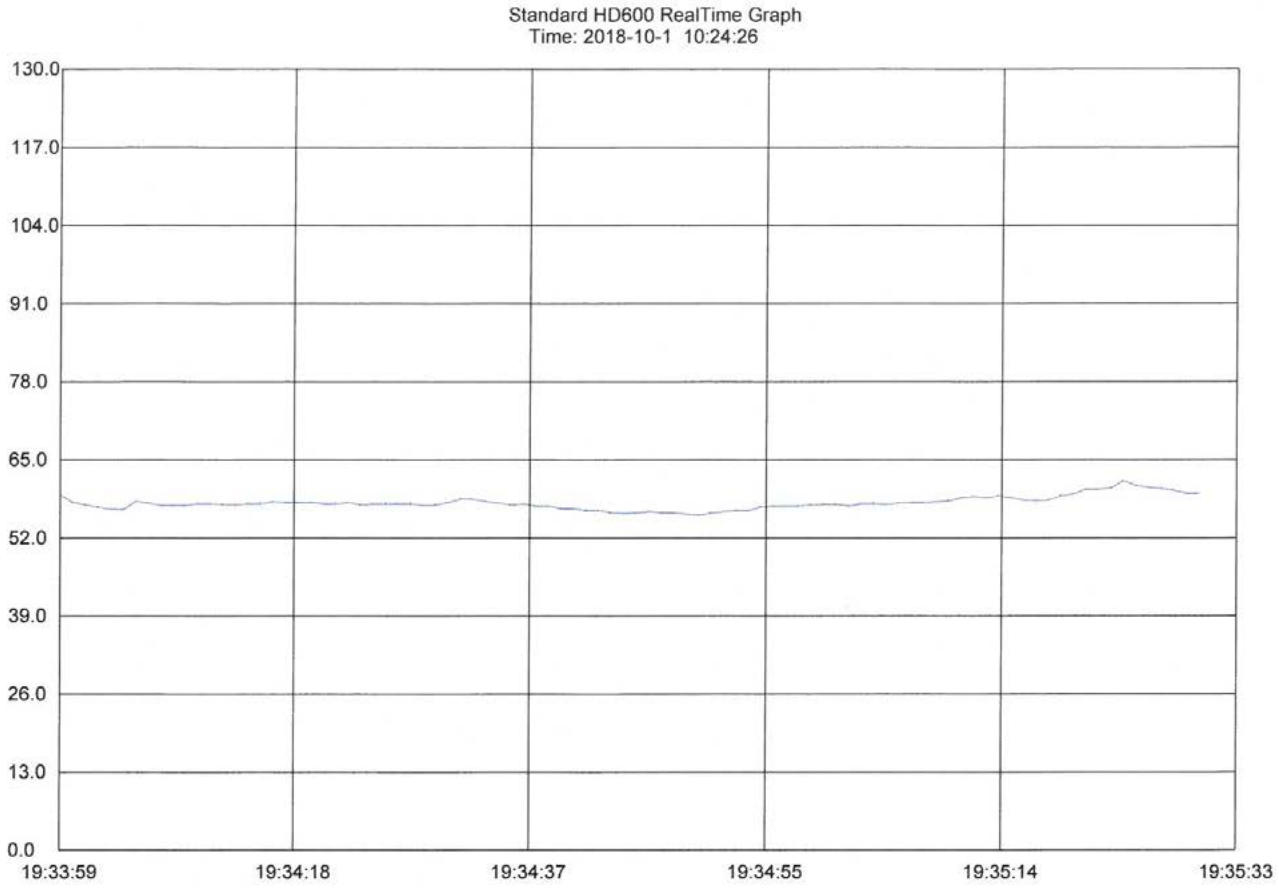
Start Time: 30-09-2018,19:21:04
Maxnum: 85.30 30-09-2018,19:21:12
Minnum: 78.00 30-09-2018,19:21:25
Sample Rate: 1.00
Average: 81.14



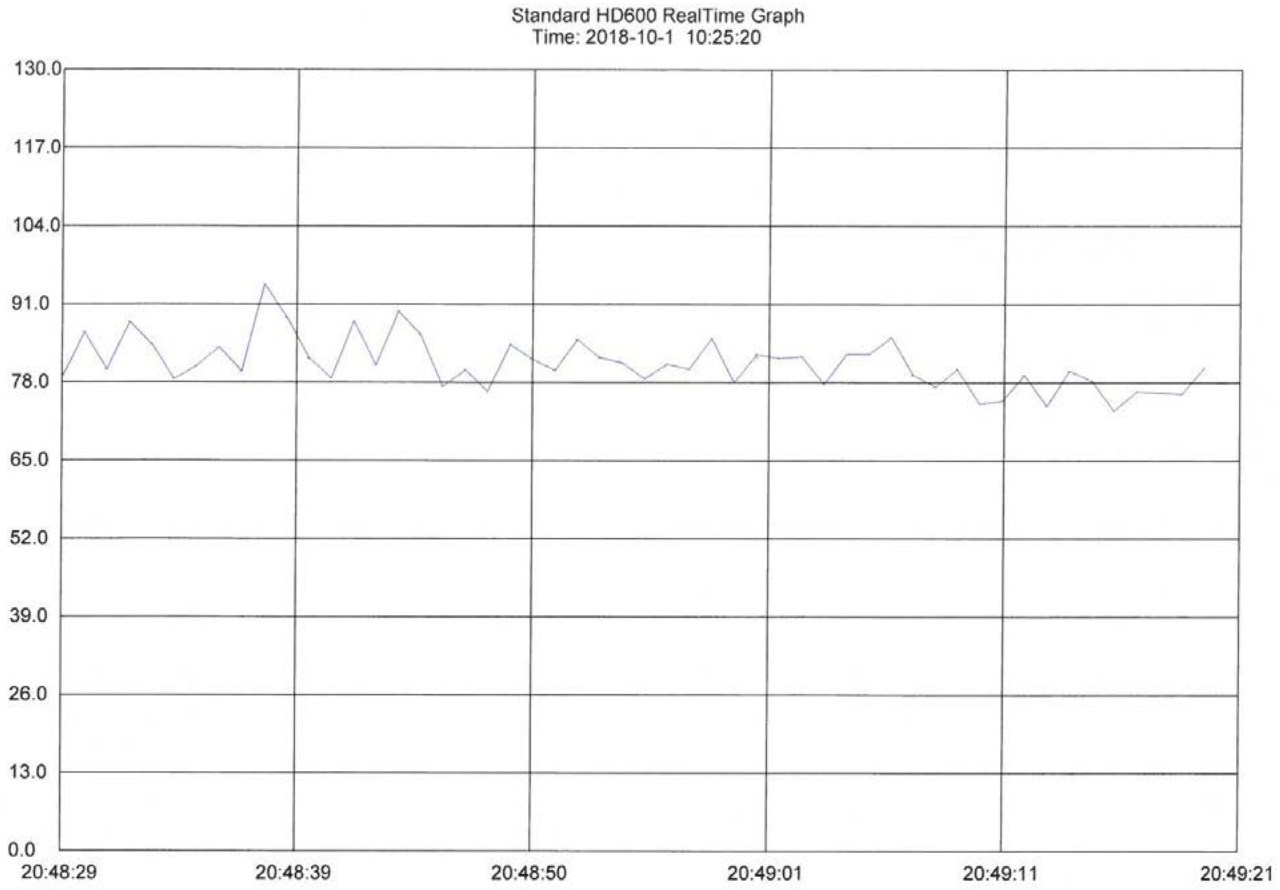
Start Time: 30-09-2018,19:26:03
Maxnum: 92.10 30-09-2018,19:26:17
Minnum: 57.90 30-09-2018,19:26:15
Sample Rate: 1.00
Average: 67.53



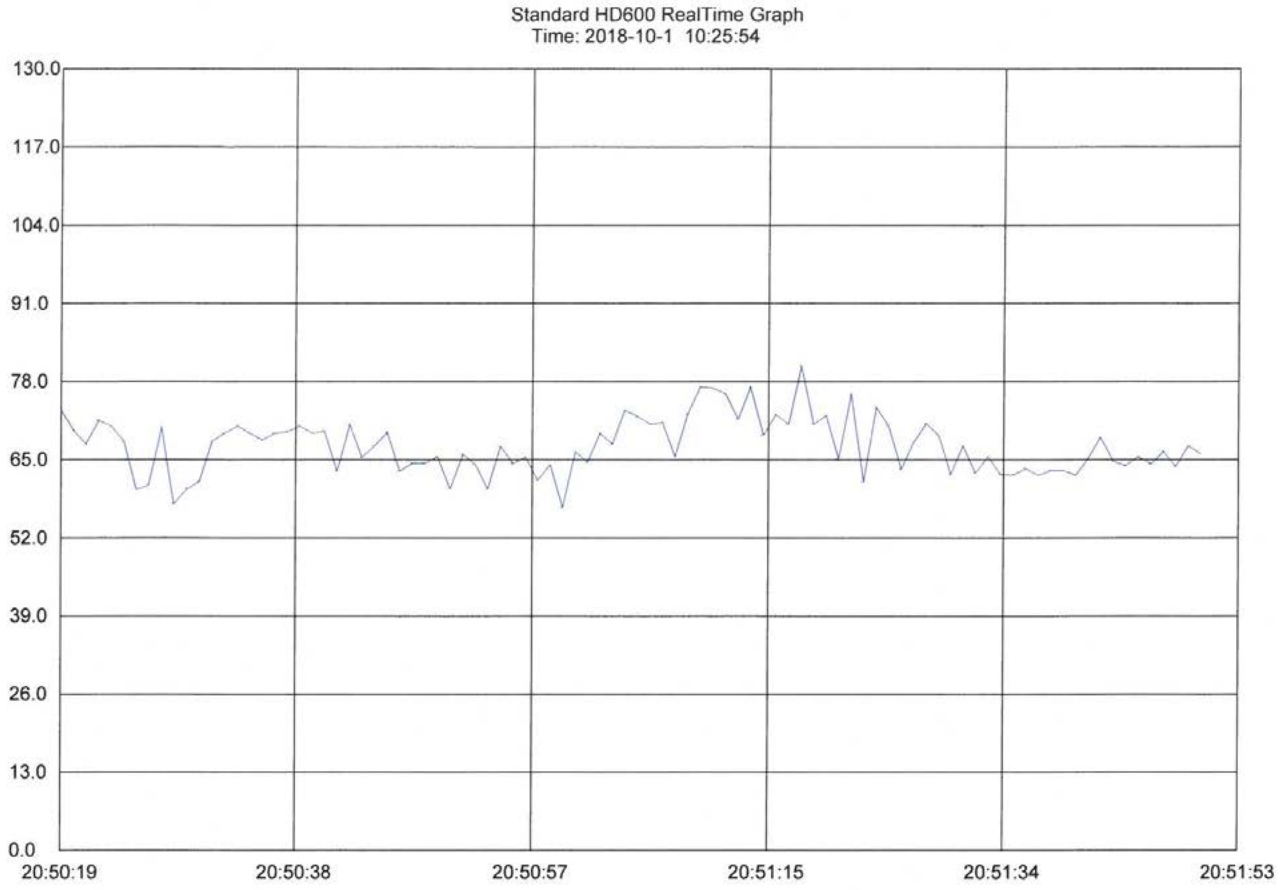
Start Time: 30-09-2018,19:31:13
Maxnum: 73.60 30-09-2018,19:31:37
Minnum: 55.20 30-09-2018,19:32:08
Sample Rate: 1.00
Average: 60.47



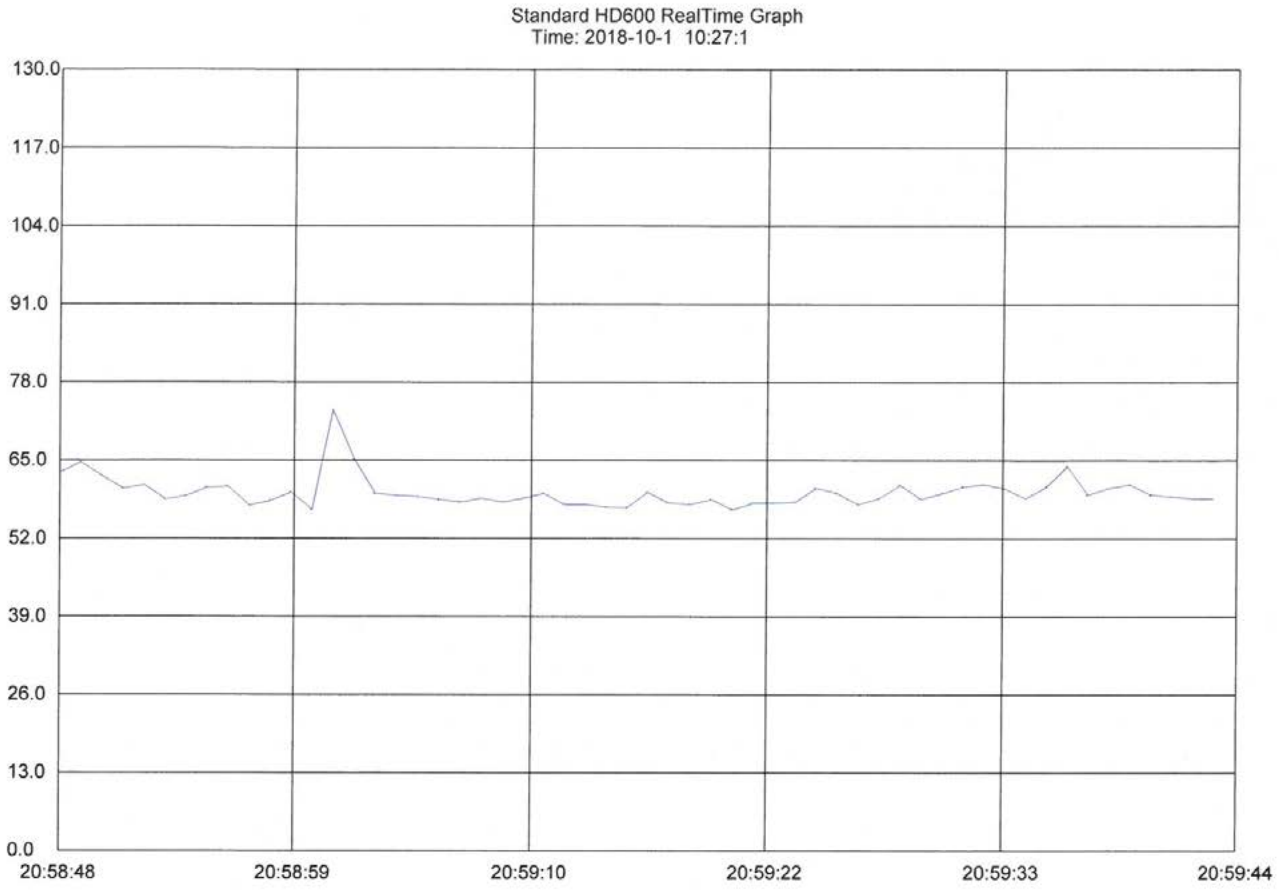
Start Time: 30-09-2018,19:33:59
Maxnum: 61.50 30-09-2018,19:35:24
Minnum: 55.80 30-09-2018,19:34:50
Sample Rate: 1.00
Average: 57.83



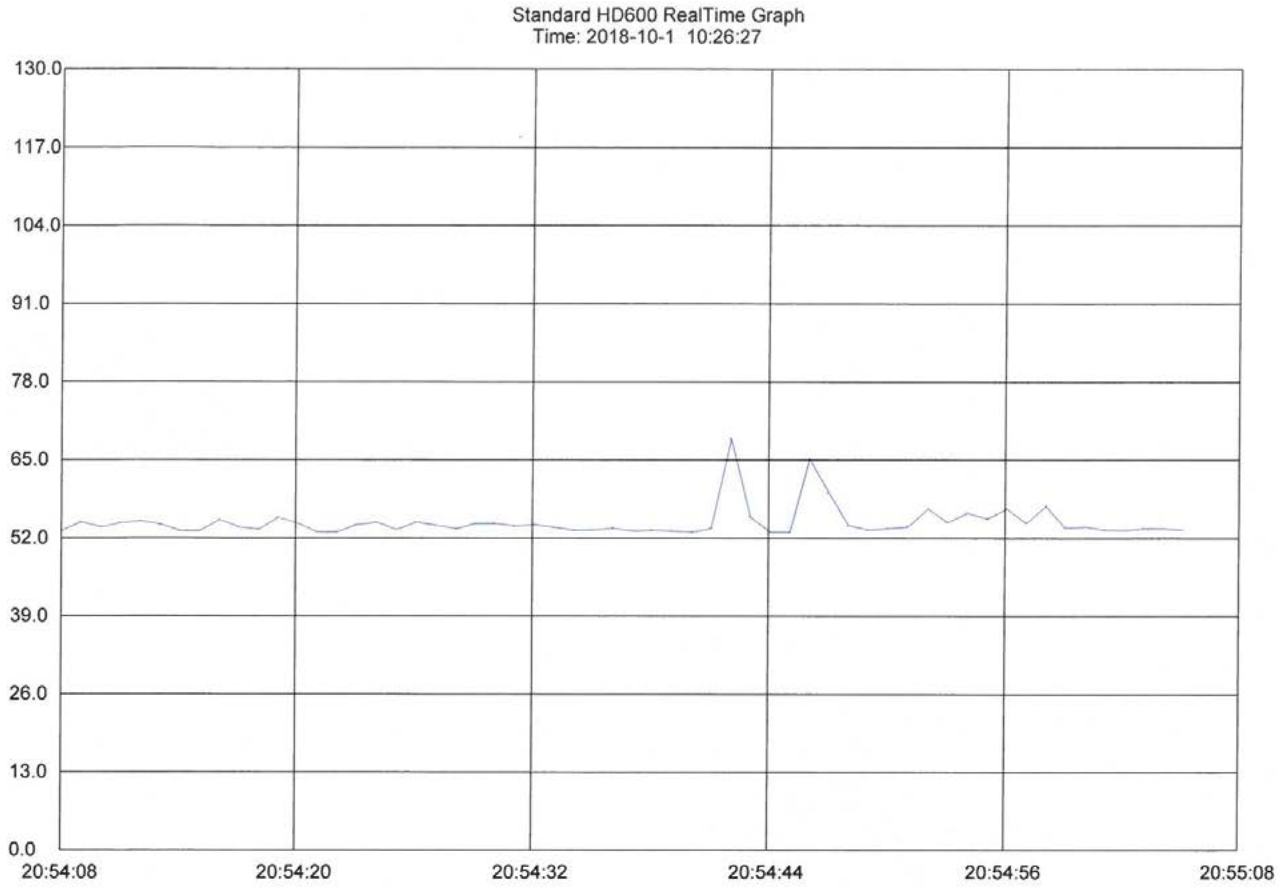
Start Time: 30-09-2018,20:48:29
Maxnum: 94.30 30-09-2018,20:48:38
Minnum: 73.30 30-09-2018,20:49:16
Sample Rate: 1.00
Average: 81.07



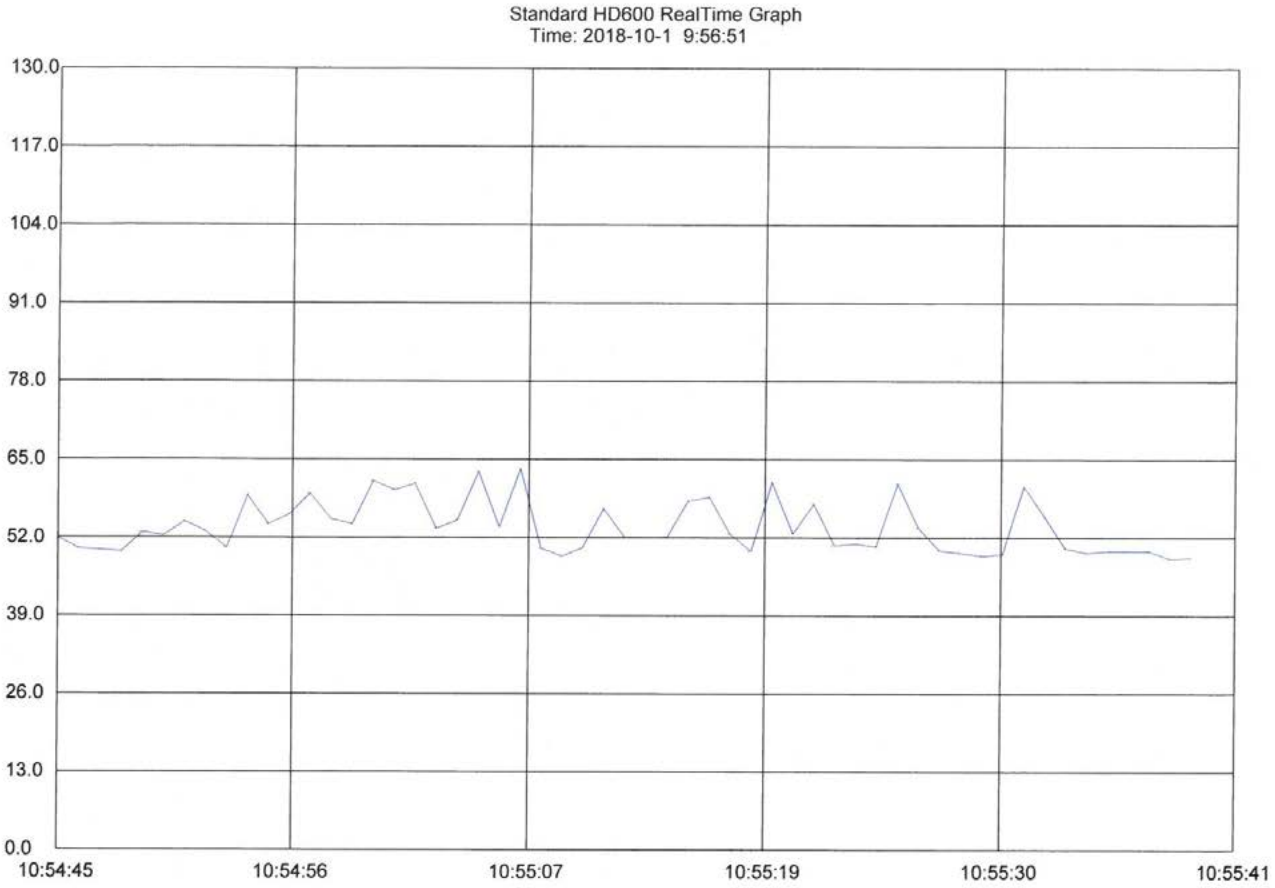
Start Time: 30-09-2018,20:50:19
Maxnum: 80.60 30-09-2018,20:51:18
Minnum: 57.10 30-09-2018,20:50:59
Sample Rate: 1.00
Average: 67.29



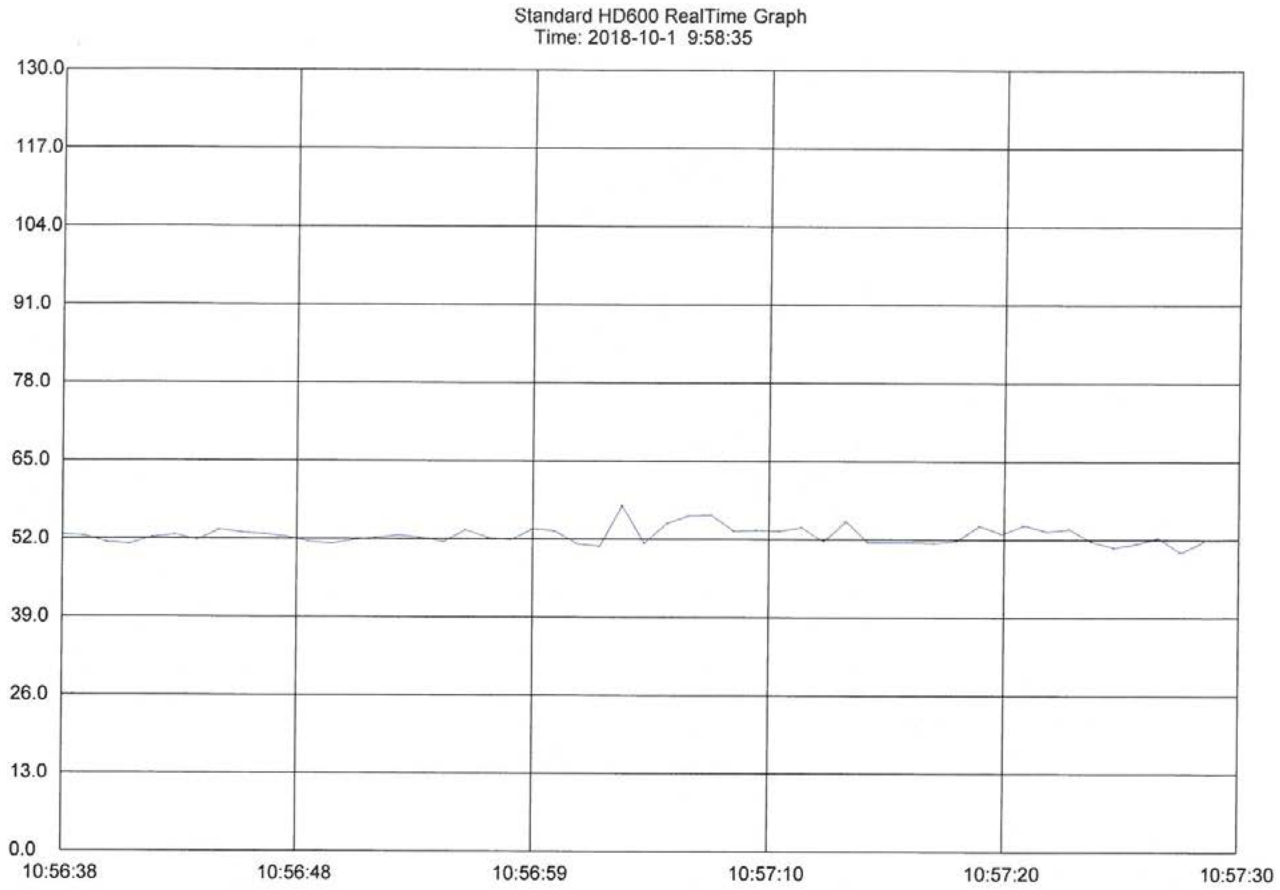
Start Time: 30-09-2018,20:58:48
Maxnum: 73.40 30-09-2018,20:59:01
Minnum: 56.80 30-09-2018,20:59:00
Sample Rate: 1.00
Average: 59.67



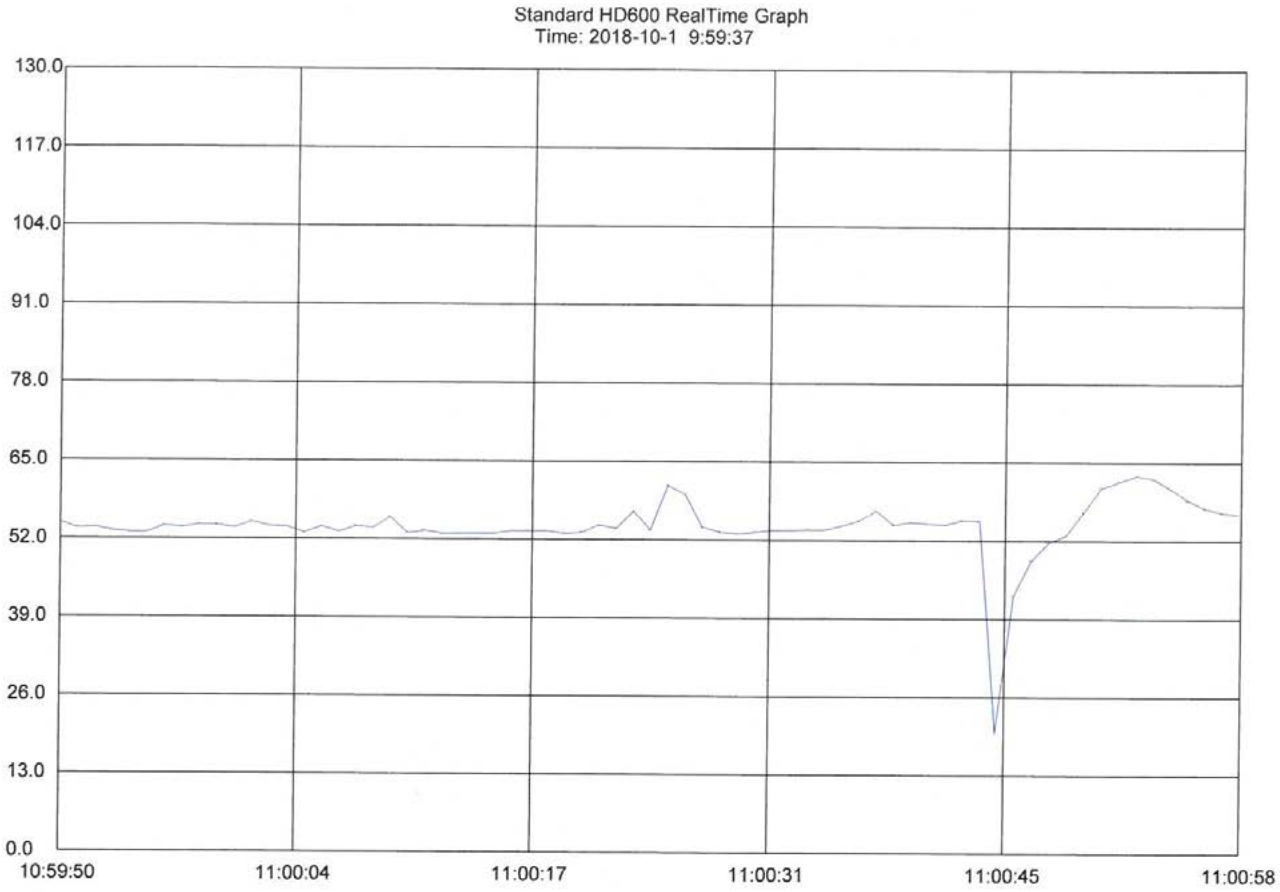
Start Time: 30-09-2018,20:54:08
Maxnum: 68.50 30-09-2018,20:54:42
Minnum: 53.00 30-09-2018,20:54:21
Sample Rate: 1.00
Average: 54.61



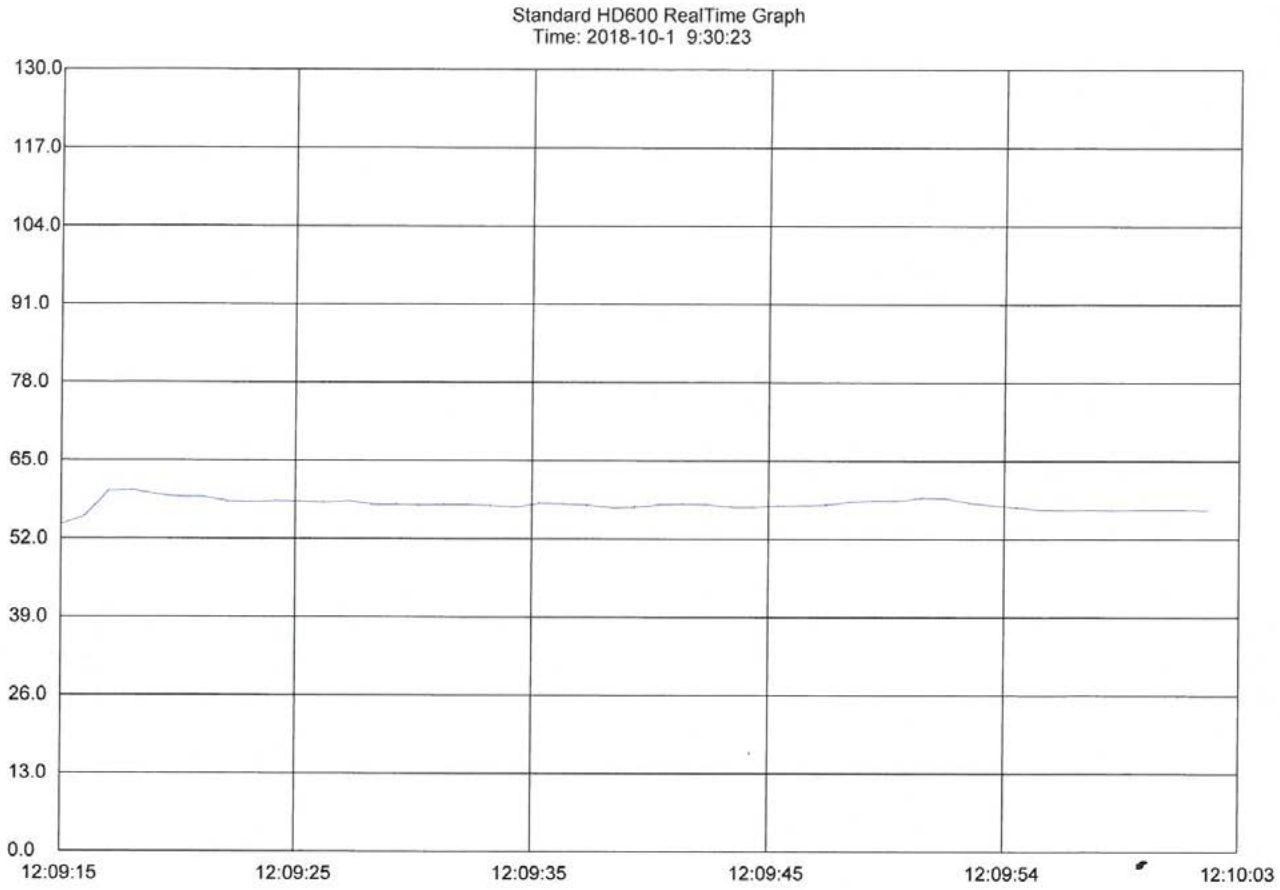
Start Time: 30-09-2018,10:54:45
Maxnum: 63.40 30-09-2018,10:55:07
Minnum: 48.50 30-09-2018,10:55:38
Sample Rate: 1.00
Average: 53.68



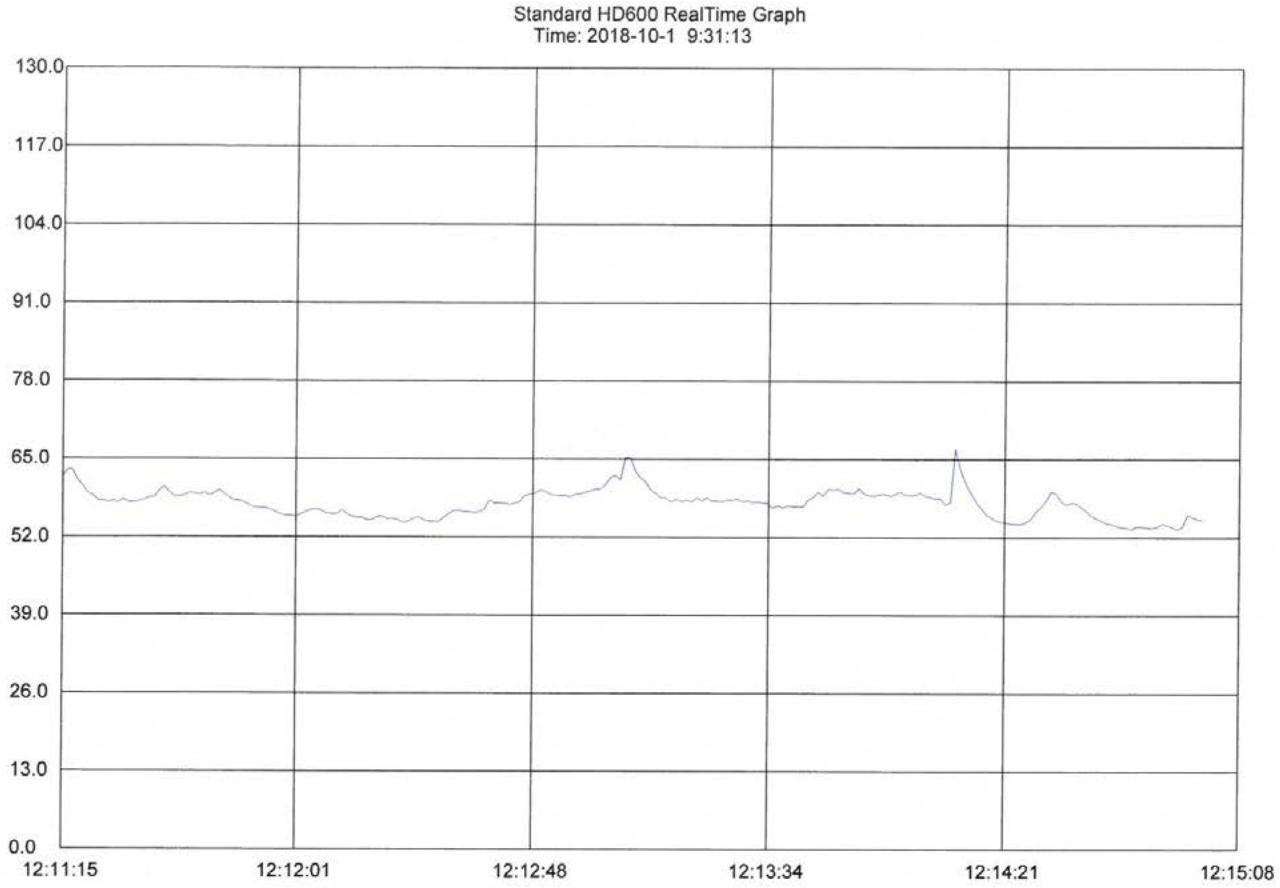
Start Time: 30-09-2018,10:56:38
Maxnum: 57.60 30-09-2018,10:57:03
Minnum: 49.90 30-09-2018,10:57:28
Sample Rate: 1.00
Average: 52.61



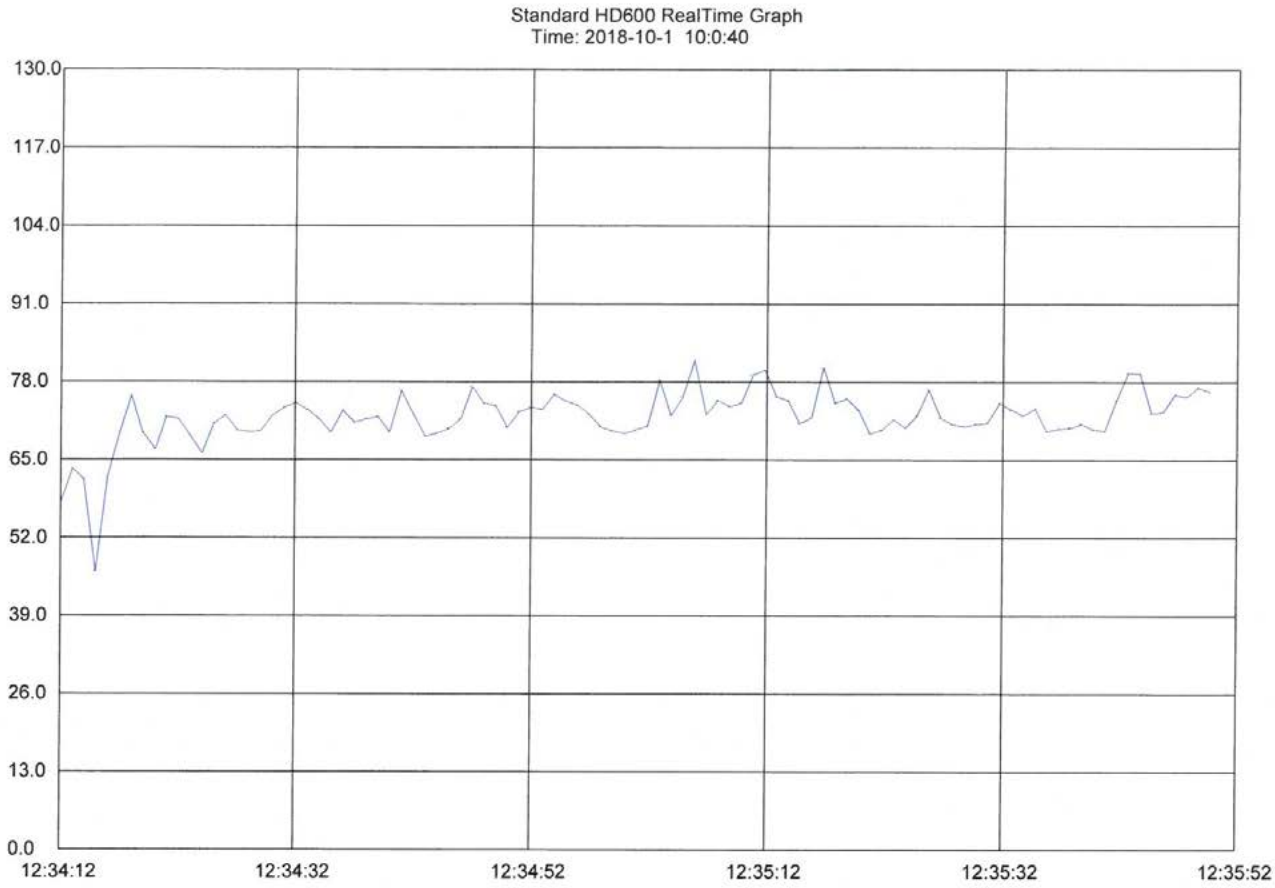
Start Time: 30-09-2018,10:59:50
Maxnum: 62.80 30-09-2018,11:00:52
Minnum: 20.10 30-09-2018,11:00:44
Sample Rate: 1.00
Average: 54.16



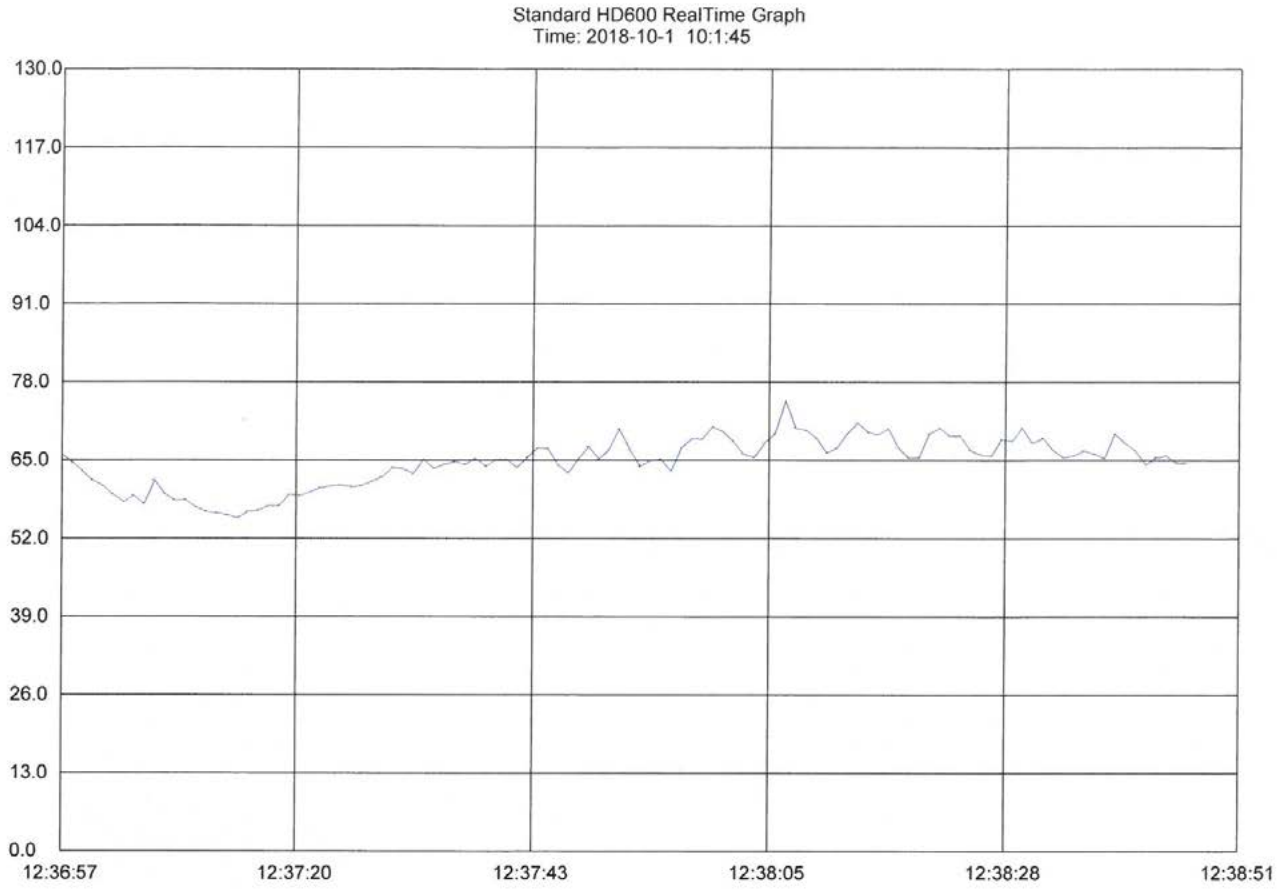
Start Time: 30-09-2018,12:09:15
Maxnum: 60.00 30-09-2018,12:09:18
Minnum: 54.40 30-09-2018,12:09:15
Sample Rate: 1.00
Average: 57.72



Start Time: 30-09-2018,12:11:15
Maxnum: 66.80 30-09-2018,12:14:11
Minnum: 53.40 30-09-2018,12:14:46
Sample Rate: 1.00
Average: 57.66



Start Time: 30-09-2018,12:34:12
Maxnum: 81.60 30-09-2018,12:35:06
Minnum: 46.40 30-09-2018,12:34:15
Sample Rate: 1.00
Average: 72.09



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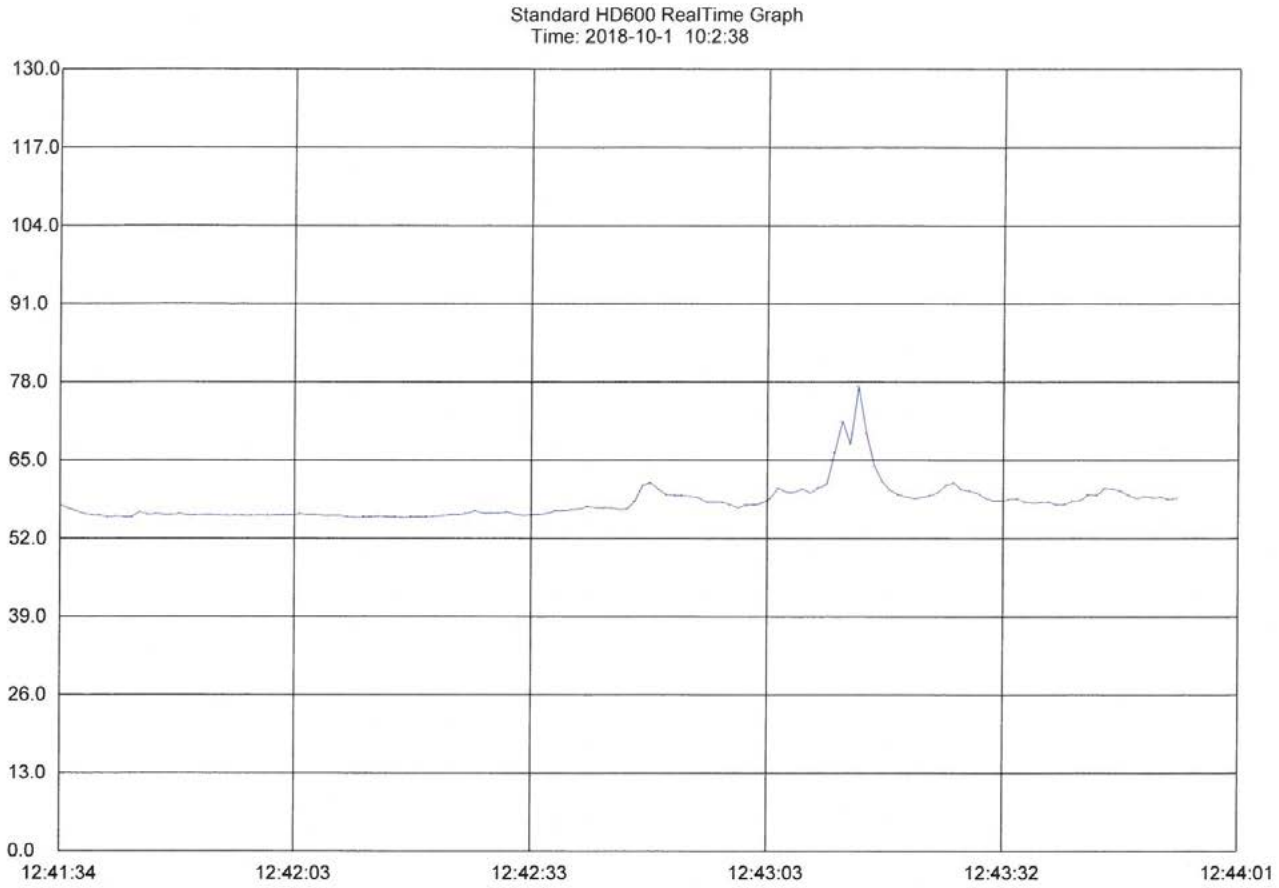

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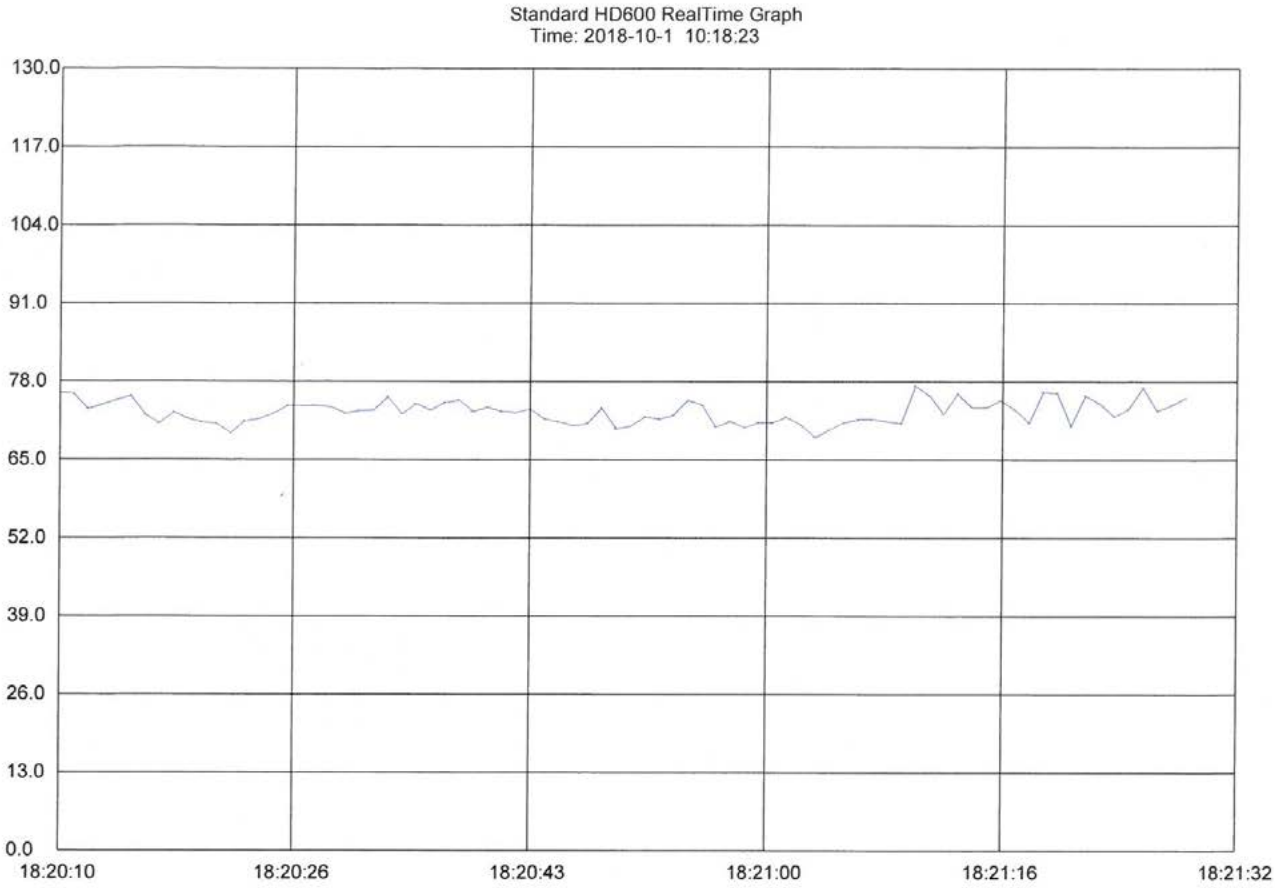
Sample Rate: 1.00
Average: 57.99



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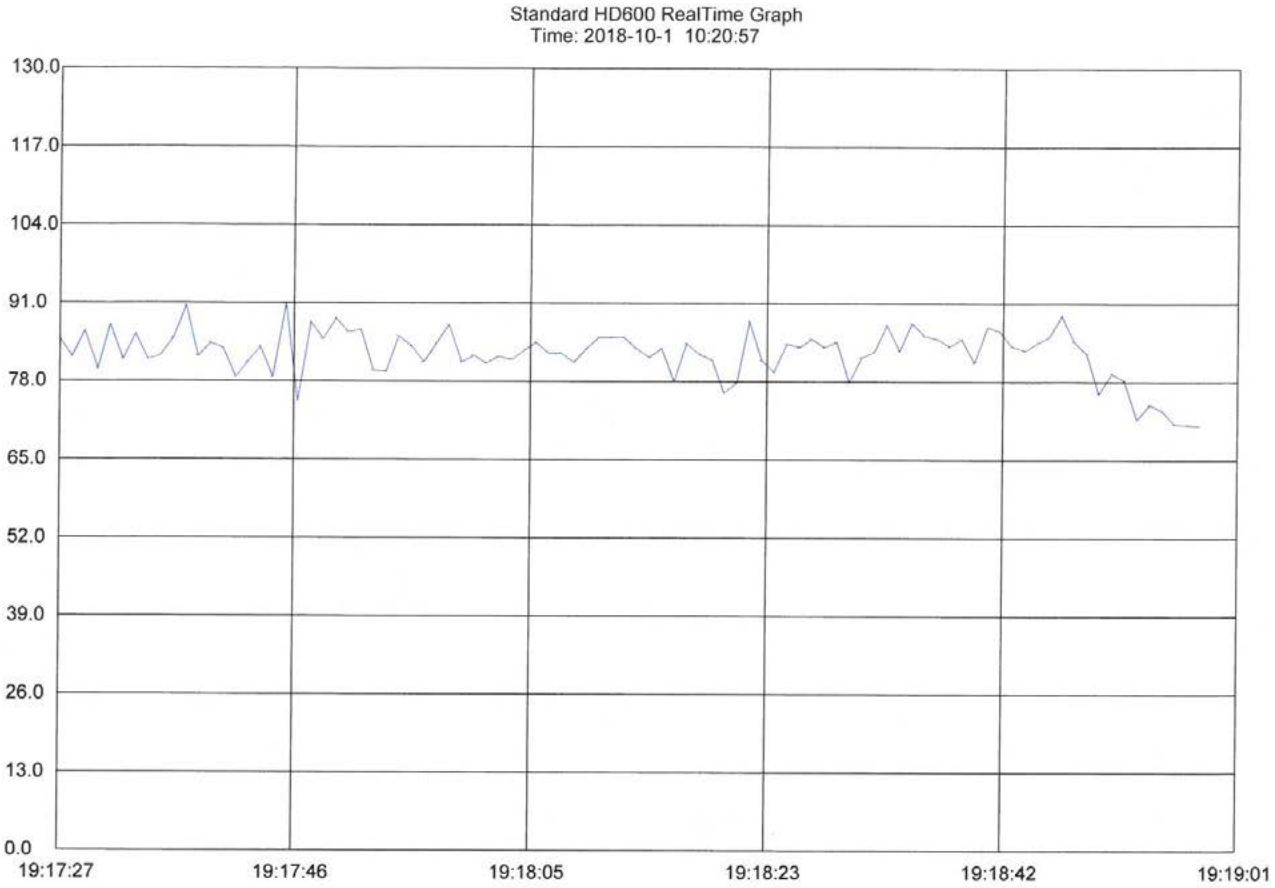
Minnum: 68.70 30-09-2018,18:21:03
Sample Rate: 1.00
Average: 72.94



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Maxnum: 90.90 30-09-2018,19:17:45
Minnum: 70.70 30-09-2018,19:18:58
Sample Rate: 1.00
Average: 82.58

A.1.5 Sun Soaked Kaskade

City of Long Beach Special Event Permit Number 18-09677
Sun Soaked - Kaskade

DPS DIVERSIFIED PRODUCTION SERVICES LLC

SUN SOAKED COMMUNITY EVENTS SCHEDULE

Monday July 16

- Sand Artist Sculpting – Day 1
  - 10am – 6pm
    - Professional Sculpture prep begins
    - Smaller sculpture begins w/ community involvement
- Sunset Yoga & Meditation
  - 6pm Sunset Yoga & Meditation on the Beach (all levels)
- Beach Volleyball
  - 1pm Volleyball Clinic and Game
  - 3pm Volleyball Clinic and Game

Tuesday July 17

- Sand Artist Sculpting – Day 2
  - 10am – 6pm
    - Professional Sculpture prep continues
    - Smaller sculpture continues w/ community involvement
- Sunrise Yoga & Meditation
  - 8am Sunrise Yoga & Meditation on the Beach (all levels)
  - 9am Sunrise Yoga & Meditation on the Beach (all levels)
- Sunset Yoga & Meditation
  - 5pm Sunset Yoga & Meditation on the Beach (all levels)
  - 6pm Sunset Yoga & Meditation on the Beach (all levels)
- Beach Volleyball
  - 1pm Volleyball Clinic and Game
  - 3pm Volleyball Clinic and Game

Wednesday July 18

- Sand Artist Sculpting
  - 10am – 6pm Viewing Day 3
    - Professional Sculpture prep continues
    - Smaller sculpture continues w/ community involvement
- Sunrise Yoga & Meditation
  - 8am Sunrise Yoga & Meditation on the Beach (all levels)
  - 9am Sunrise Yoga & Meditation on the Beach (all levels)
- Sunset Yoga & Meditation
  - 5pm Sunset Yoga & Meditation on the Beach (all levels)
  - 6pm Sunset Yoga & Meditation on the Beach (all levels)
- Beach Volleyball
  - 1pm Volleyball Clinic and Game
  - 3pm Volleyball Clinic and Game
- CPR and Beach Safety
  - 12pm CPR Demo and Beach Safety Demo
  - 2pm CPR Demo and Beach Safety Demo

City of Long Beach Special Event Permit Number 18-09677
Sun Soaked - Kaskade

DPS DIVERSIFIED PRODUCTION SERVICES LLC

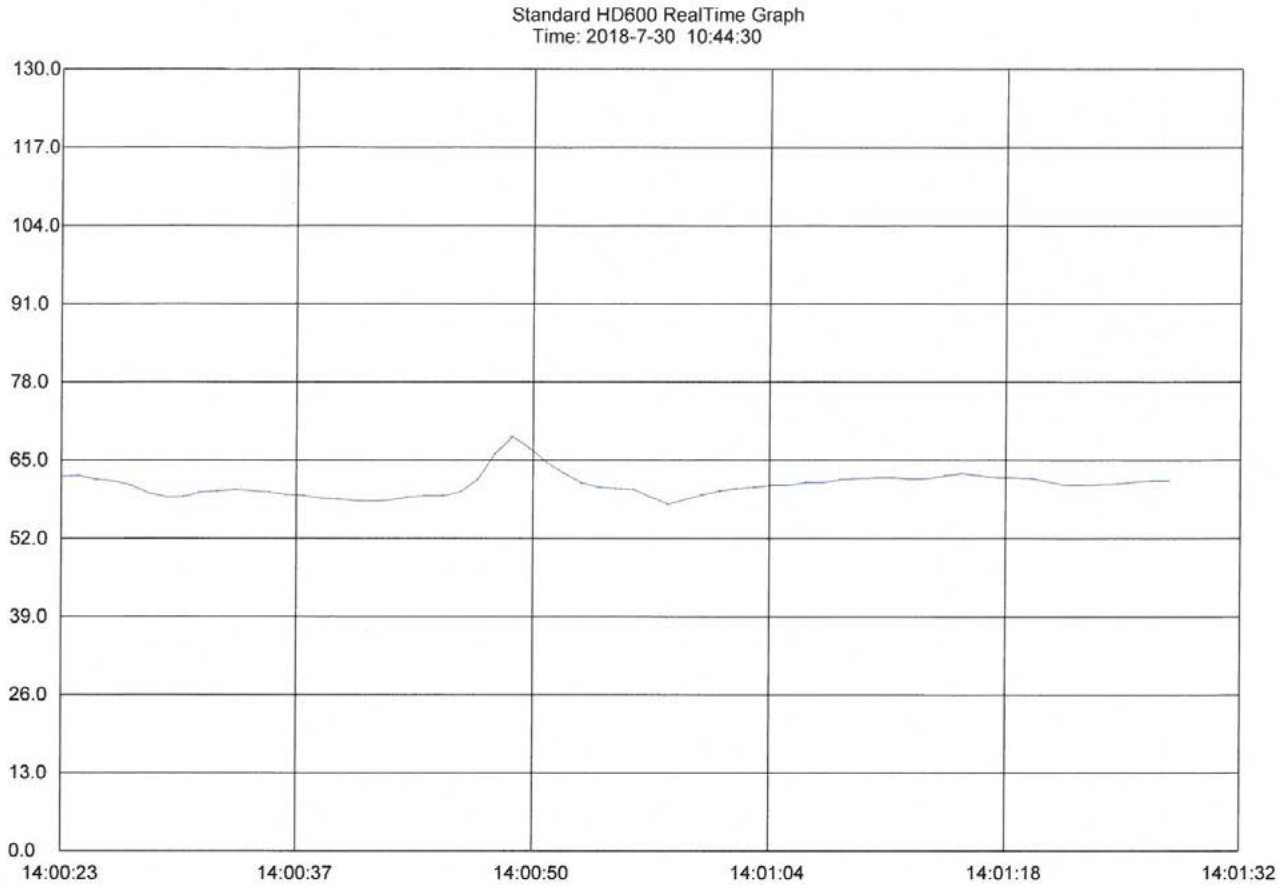
Thursday July 19

- Sand Artist Sculpting Schedule
  - 10am – 6pm Viewing Day 4
    - Professional Sculptures # 1-2-3 build begins
    - Smaller sculpture continues w/ community involvement
- Sunrise Yoga & Meditation
  - 8am Sunrise Yoga & Meditation on the Beach (all levels)
  - 9am Sunrise Yoga & Meditation on the Beach (all levels)
- Sunset Yoga & Meditation
  - 5pm Sunset Yoga & Meditation on the Beach (all levels)
  - 6pm Sunset Yoga & Meditation on the Beach (all levels)
- Beach Volleyball
  - 1pm Volleyball Clinic and Game
  - 3pm Volleyball Clinic and Game
- CPR and Beach Safety
  - 12pm CPR Demo and Beach Safety Demo
  - 2pm CPR Demo and Beach Safety Demo

Friday July 20

- Sand Artist Sculpting Schedule
  - 10am – 6pm Viewing Day 5
    - Professional Sculpture # 1-2-3 Complete
    - Smaller sculptures completed w/ community involvement
    - Community sand sculpture contest / completion at 500pm
- Sunrise Yoga & Meditation
  - 8am Sunrise Yoga & Meditation on the Beach (all levels)
  - 9am Sunrise Yoga & Meditation on the Beach (all levels)
- Sunset Yoga & Meditation
  - 5pm Sunset Yoga & Meditation on the Beach (all levels)
  - 6pm Sunset Yoga & Meditation on the Beach (all levels)
- Beach Volleyball
  - 1pm Volleyball Clinic and Game
  - 3pm Volleyball Clinic and Game
- CPR and Beach Safety
  - 12pm CPR Demo and Beach Safety Demo
  - 2pm CPR Demo and Beach Safety Demo


SunSoaked 201
700 E Shoreline Drive
Long Beach, CA 908
July 21-22, 2018
LIVE NATION
2 [D-Site]
Drawn By: S. Roge
Date Drawn: 9/10/1
Scale: 24x36= 1:8
DPS
Marina
Waterfront
E. Shoreline Drive
Alamitos
Beach
Private / Residential
Ocean Avenue



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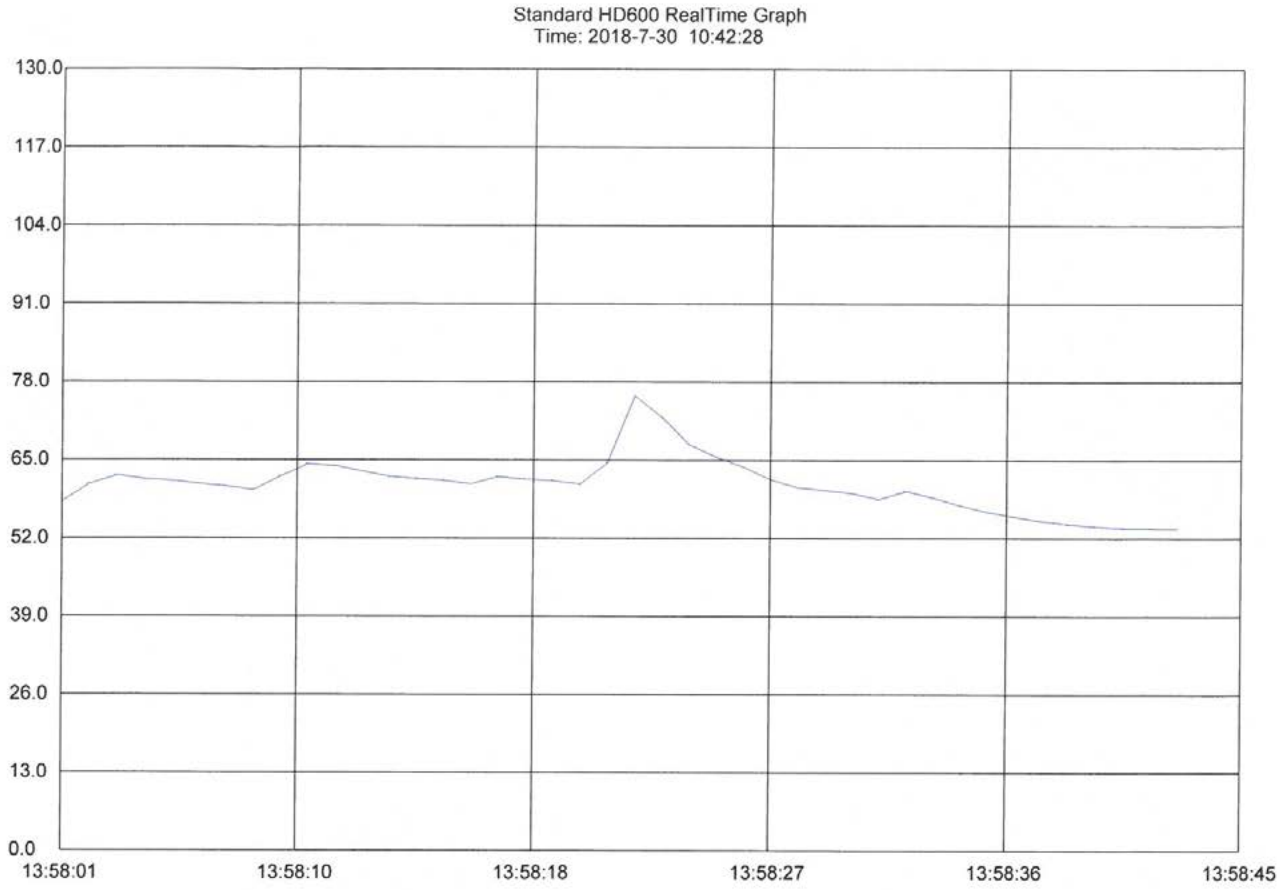

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Minnum: 53.60 21-07-2018,13:58:42
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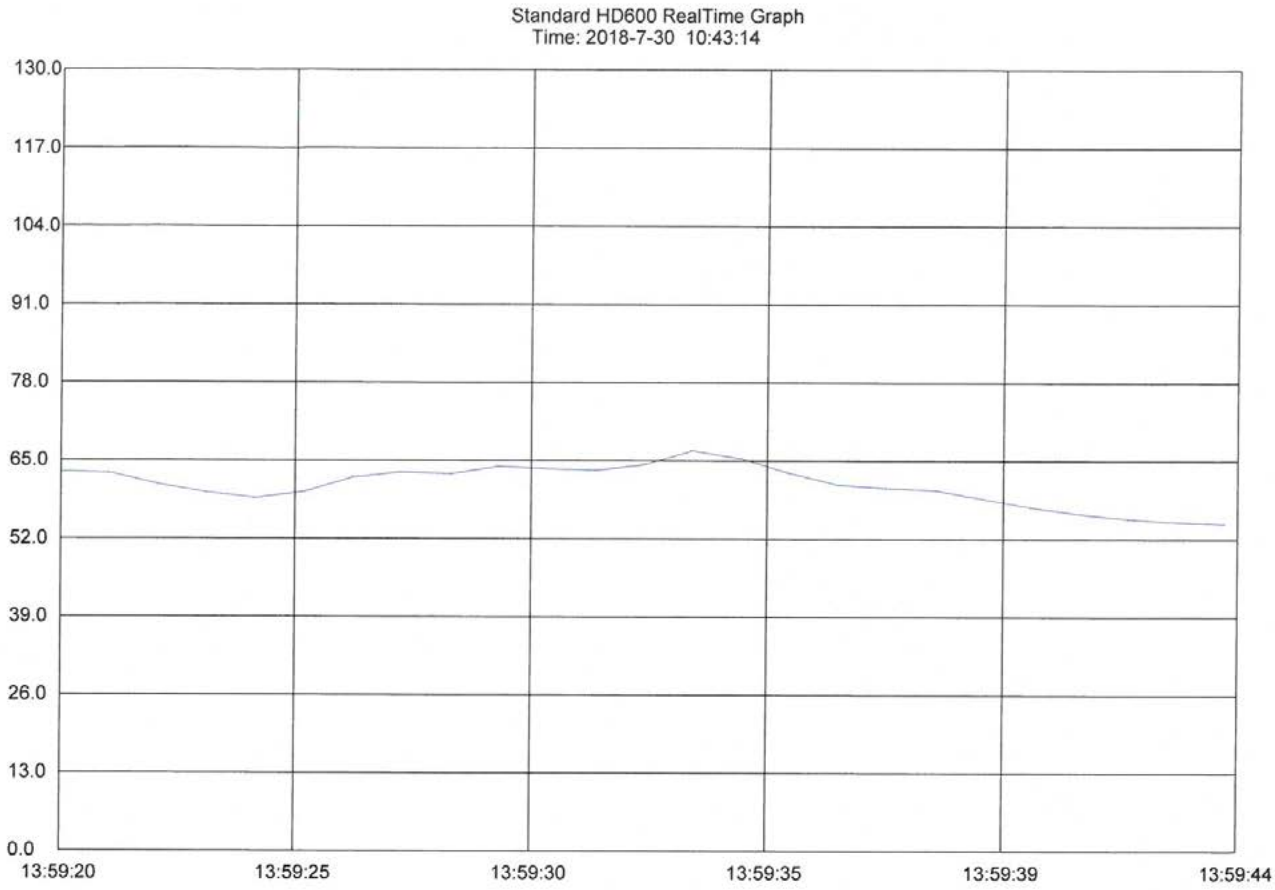

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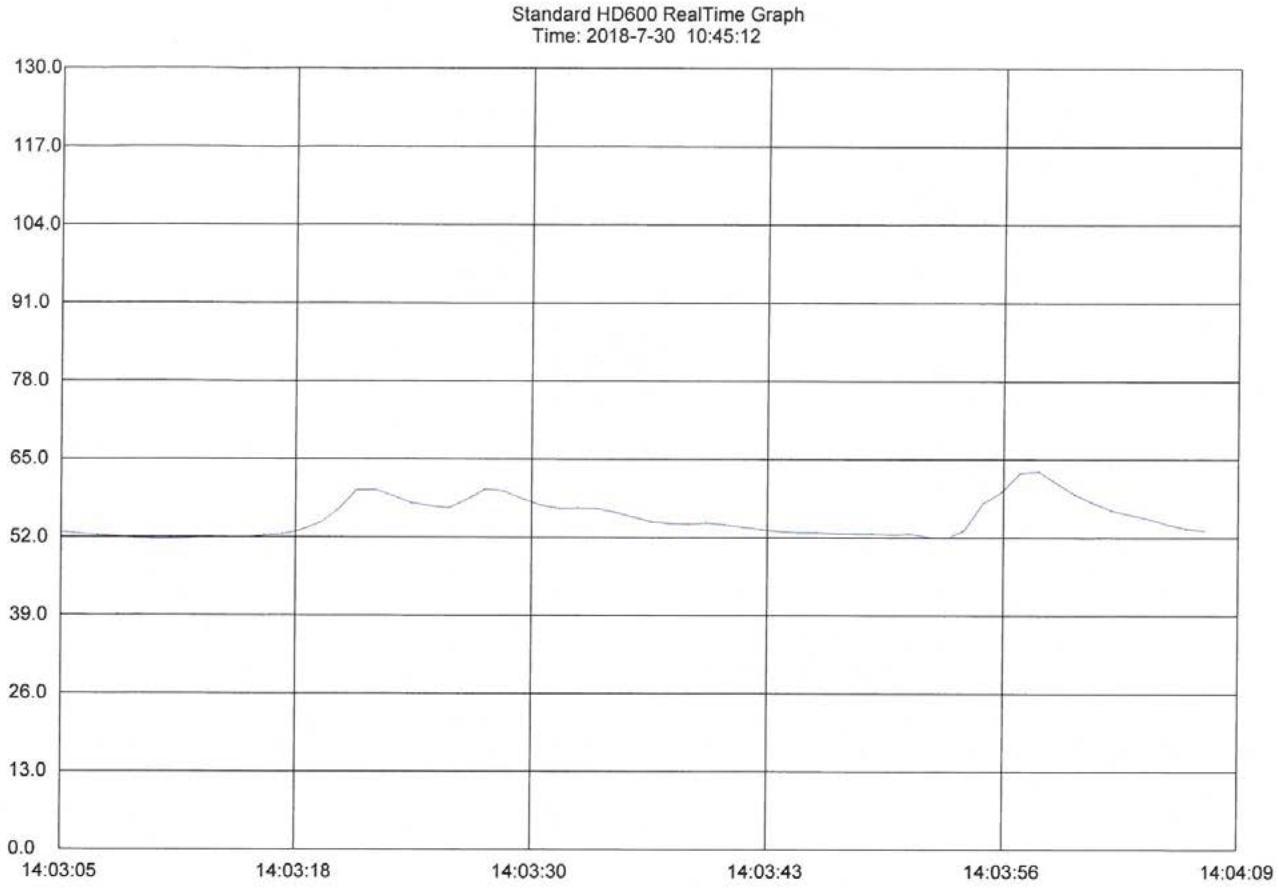

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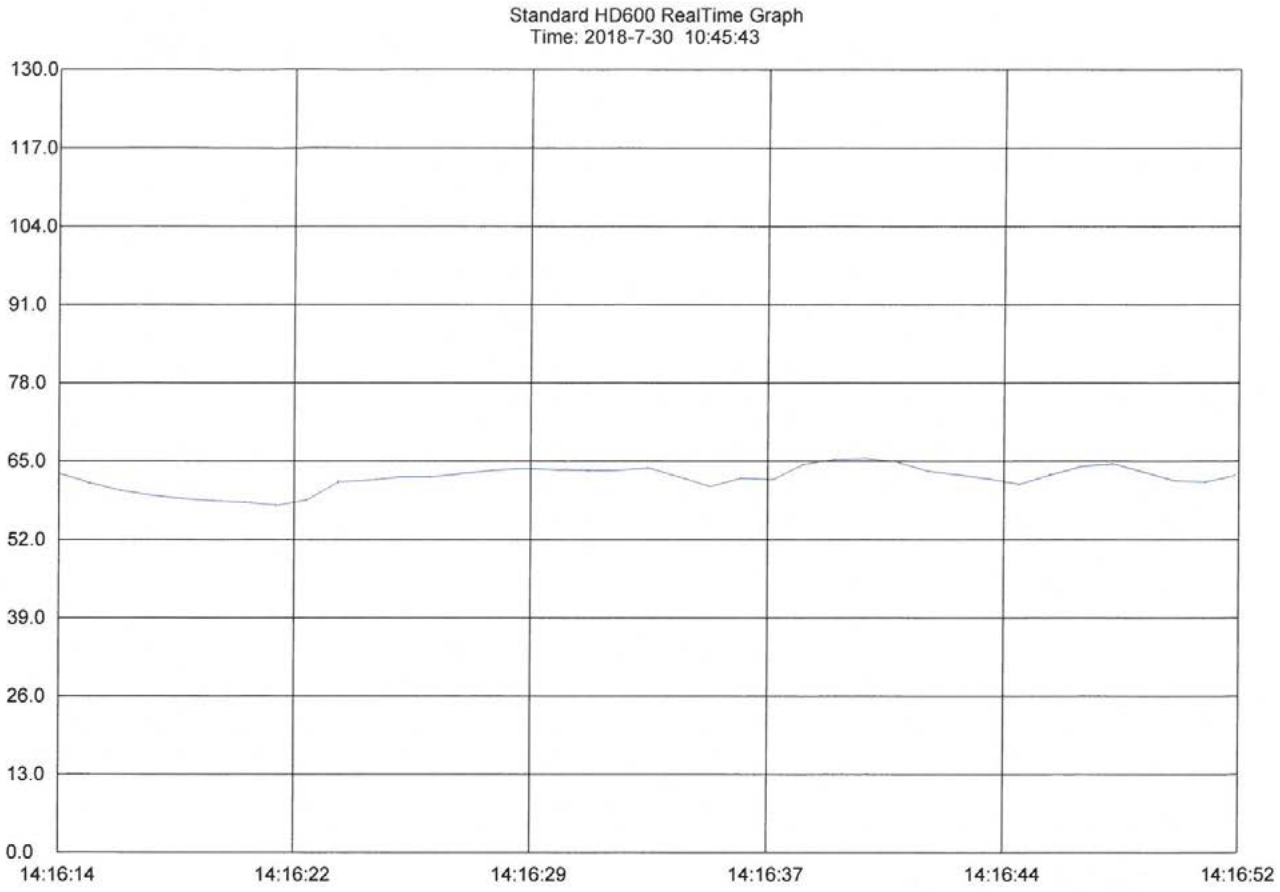

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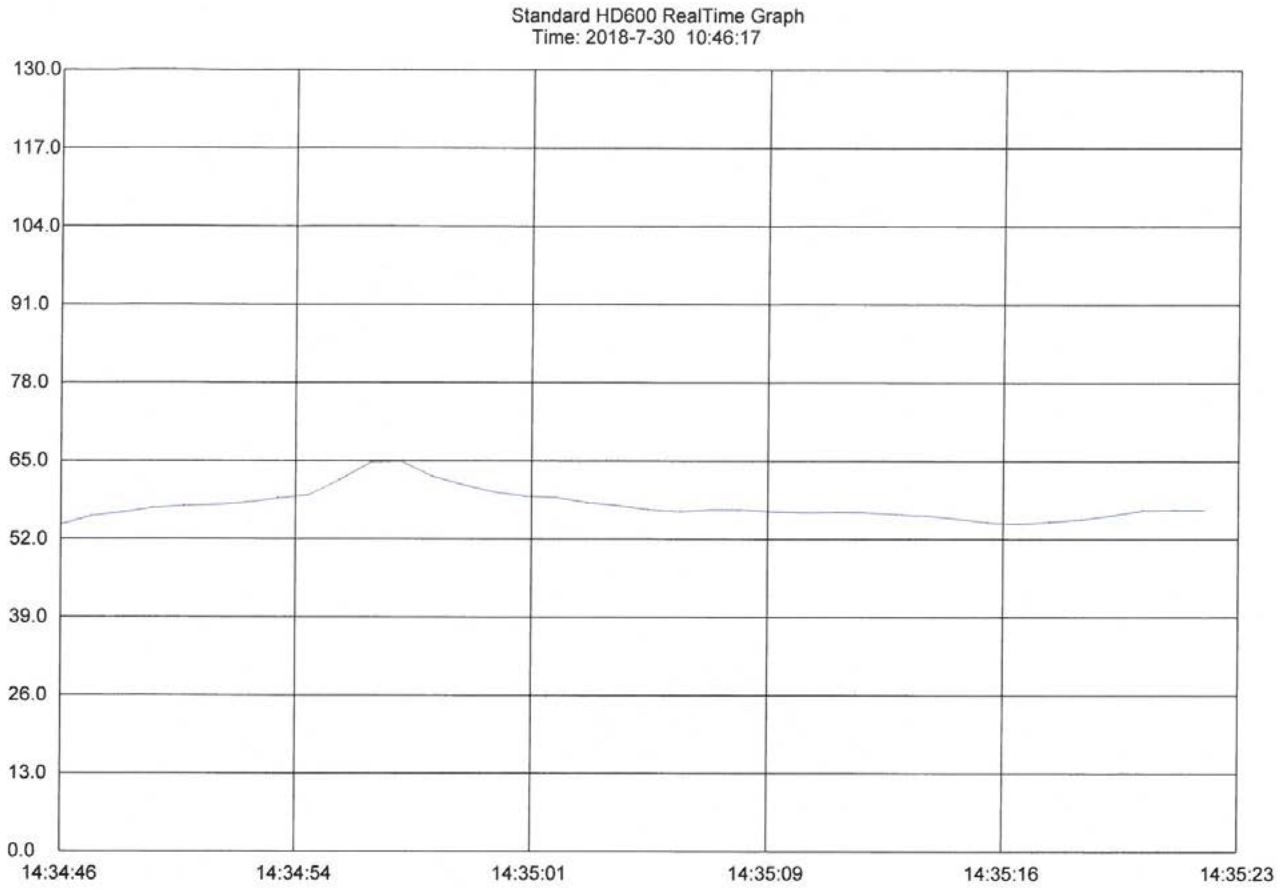

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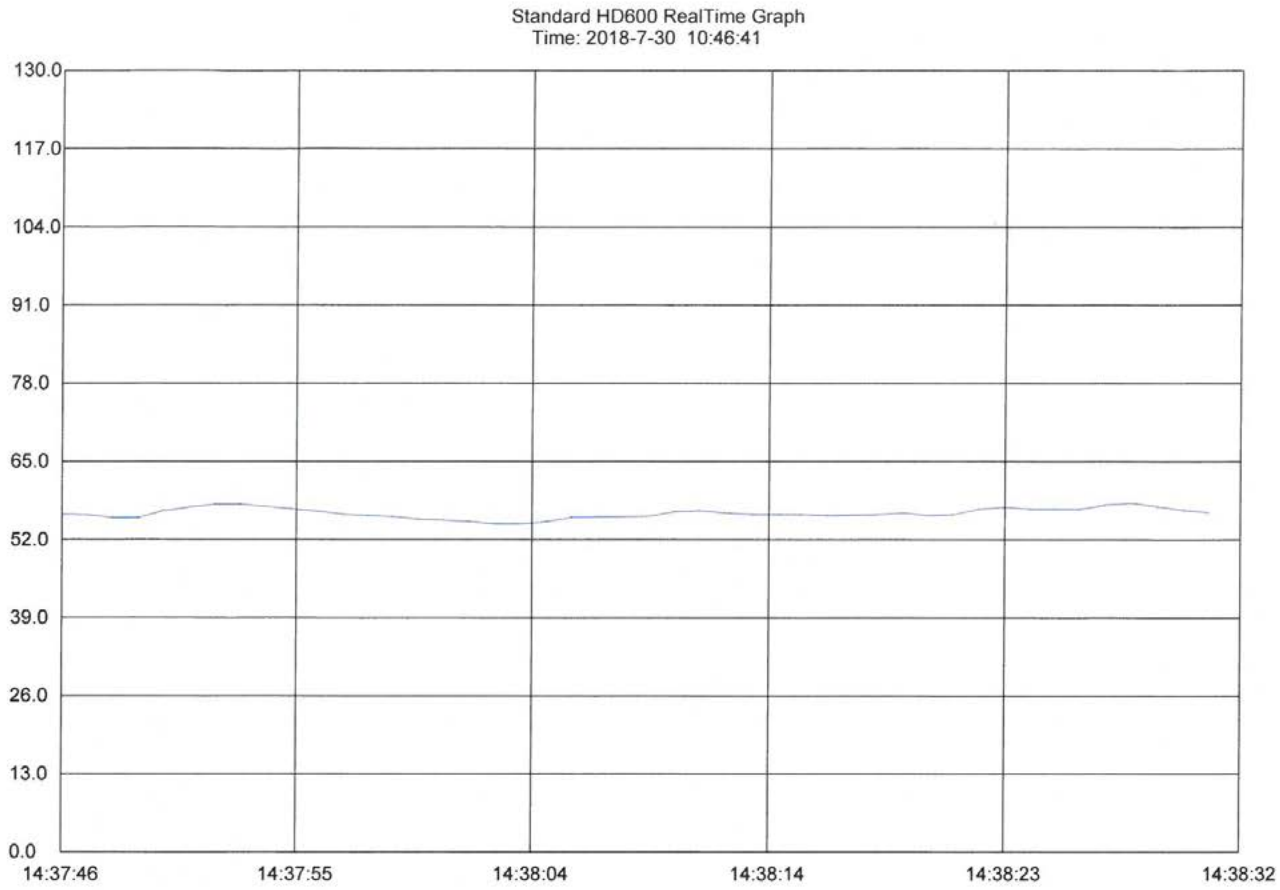
Average: 57.64



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Minnum: 54.60 21-07-2018,14:38:03
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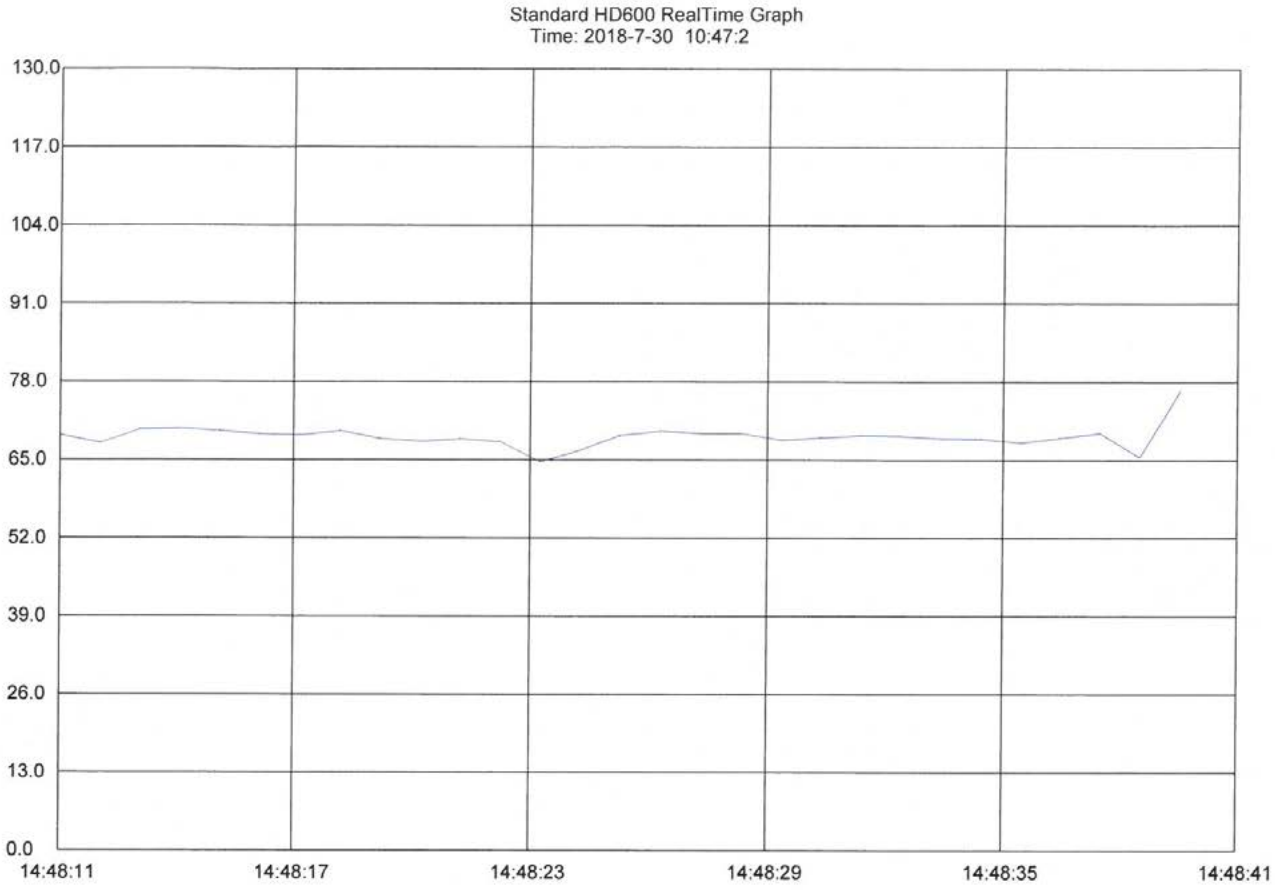

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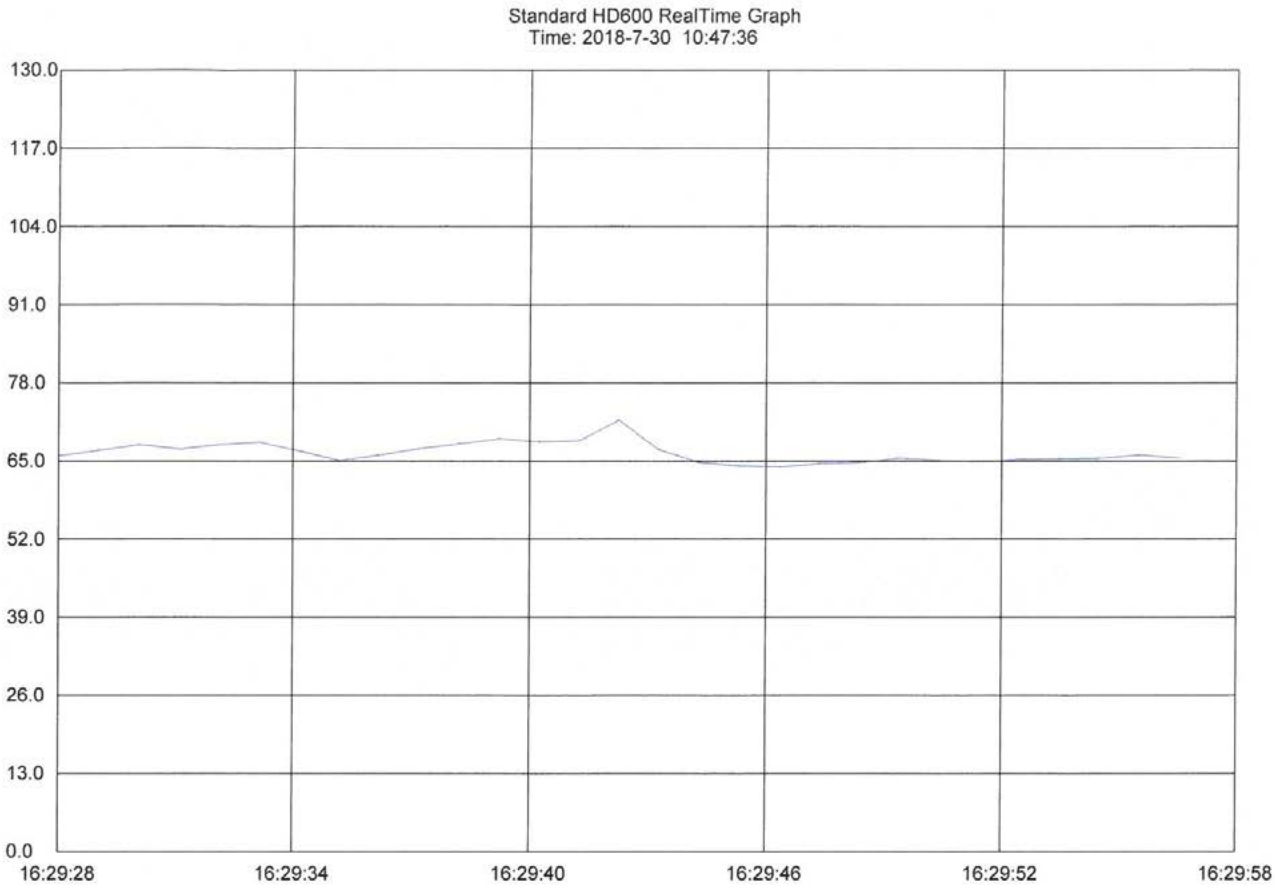
Average: 68.88



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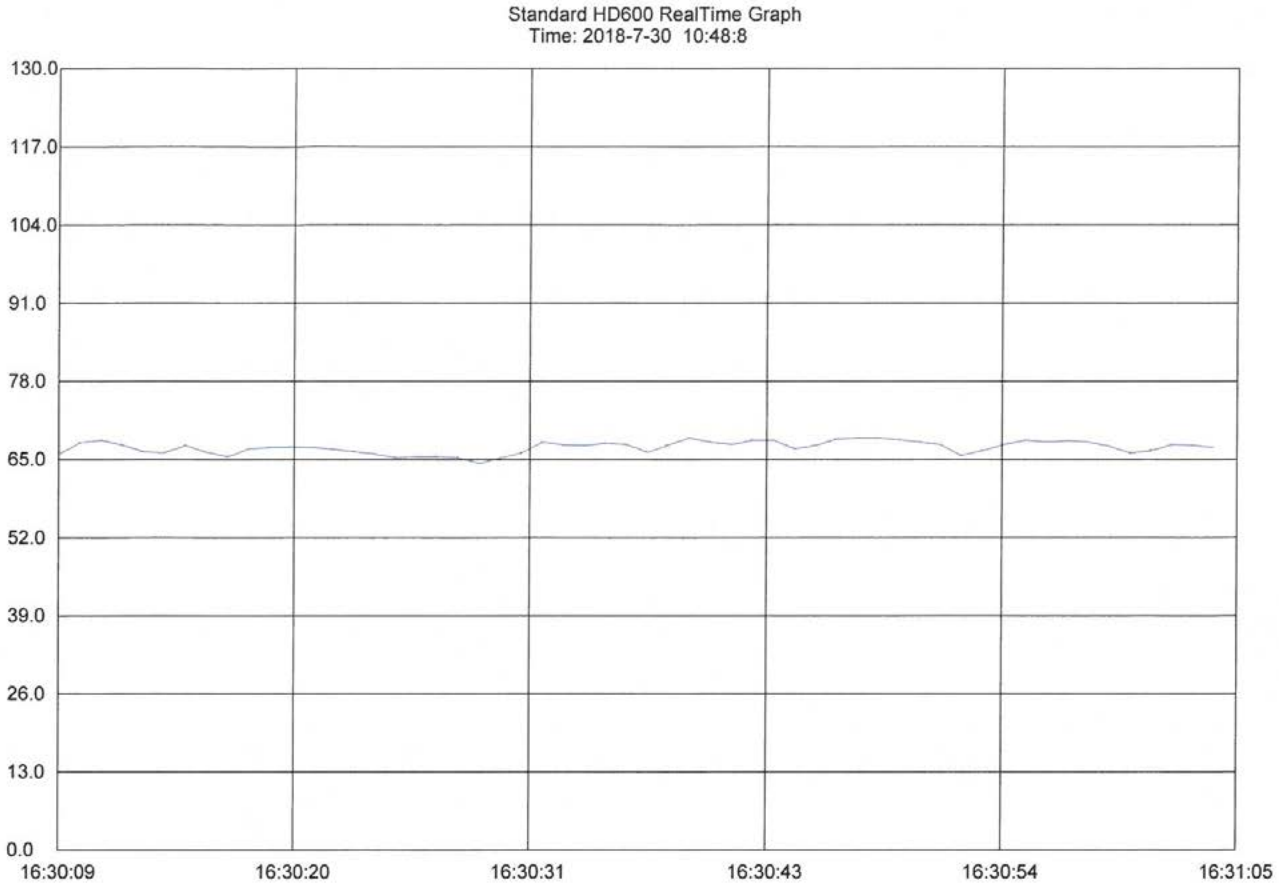

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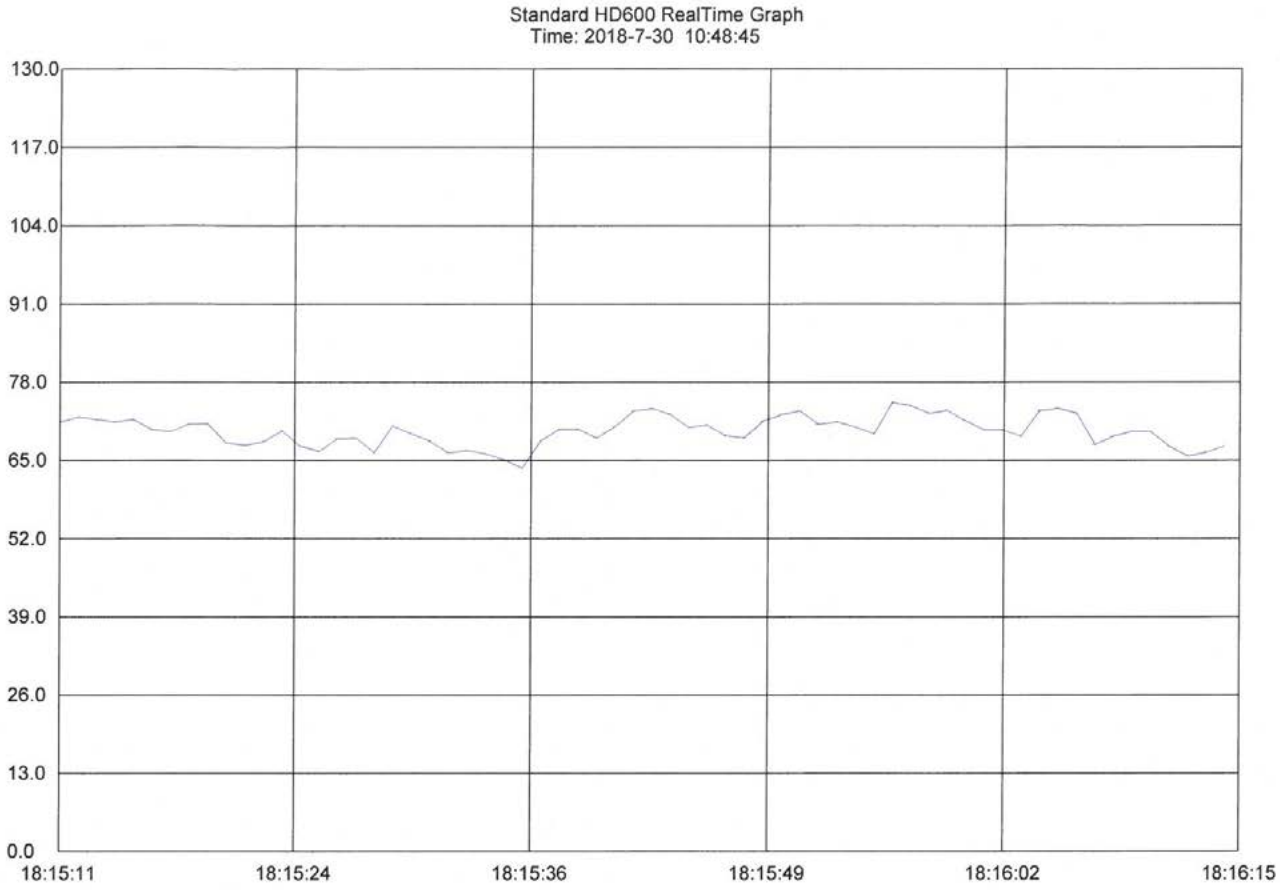

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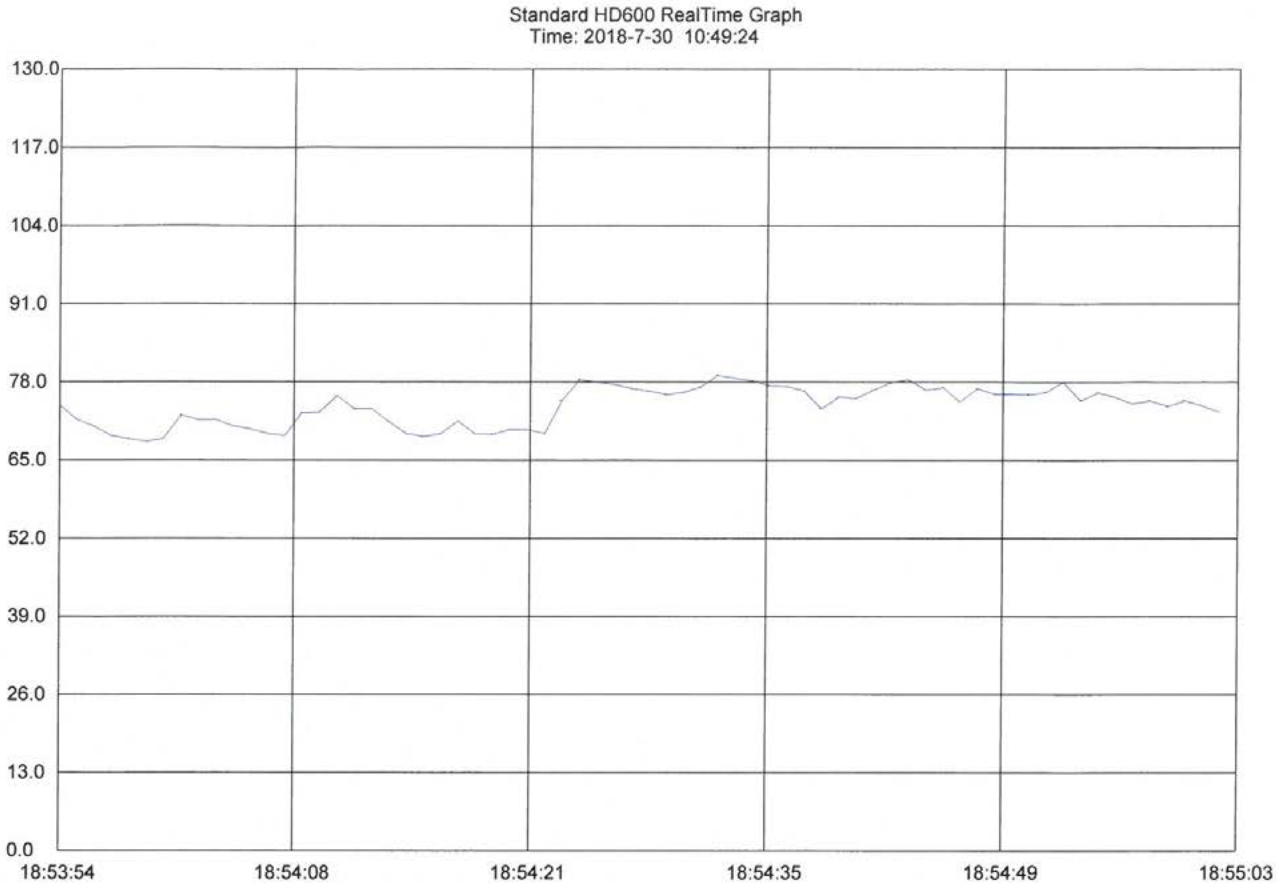

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Minnum: 68.10 21-07-2018,18:53:59
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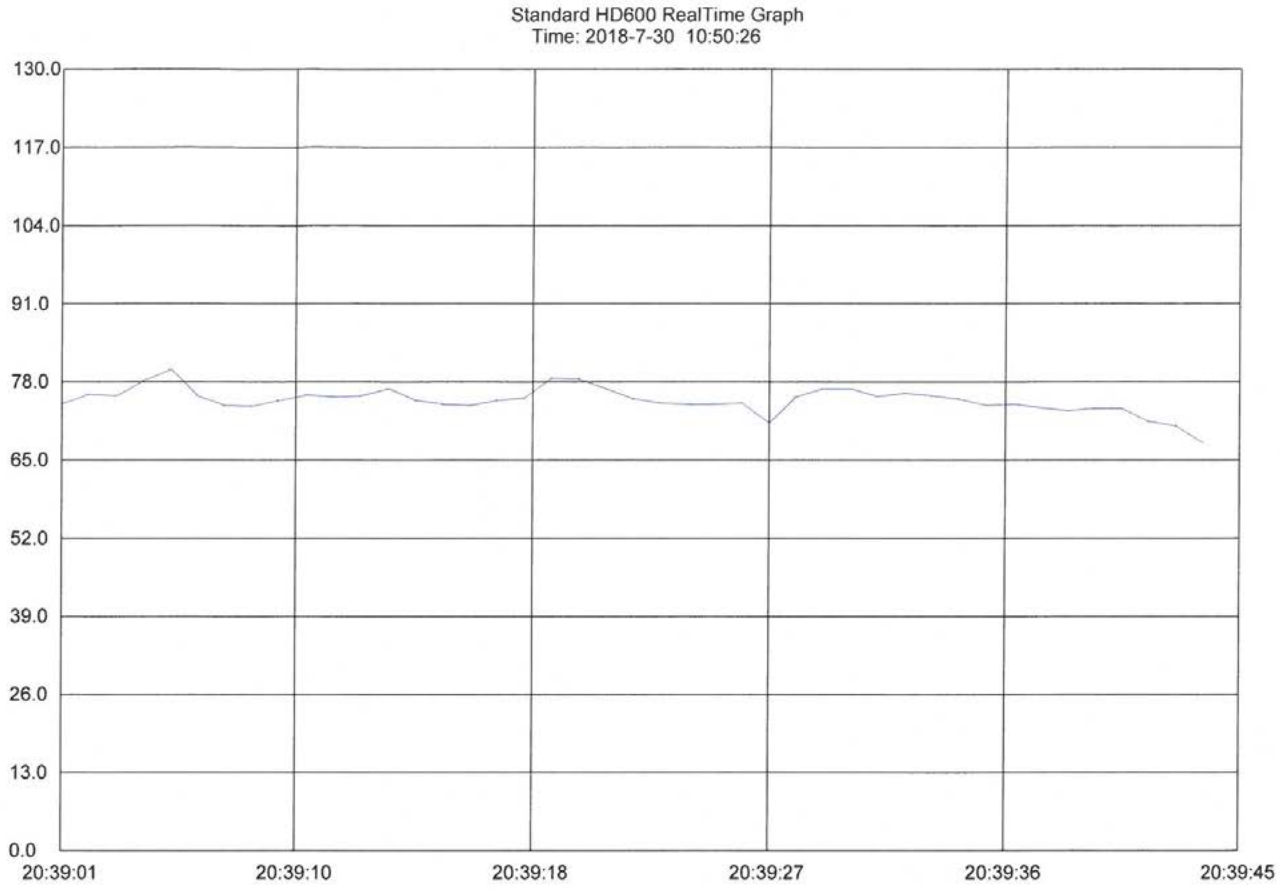

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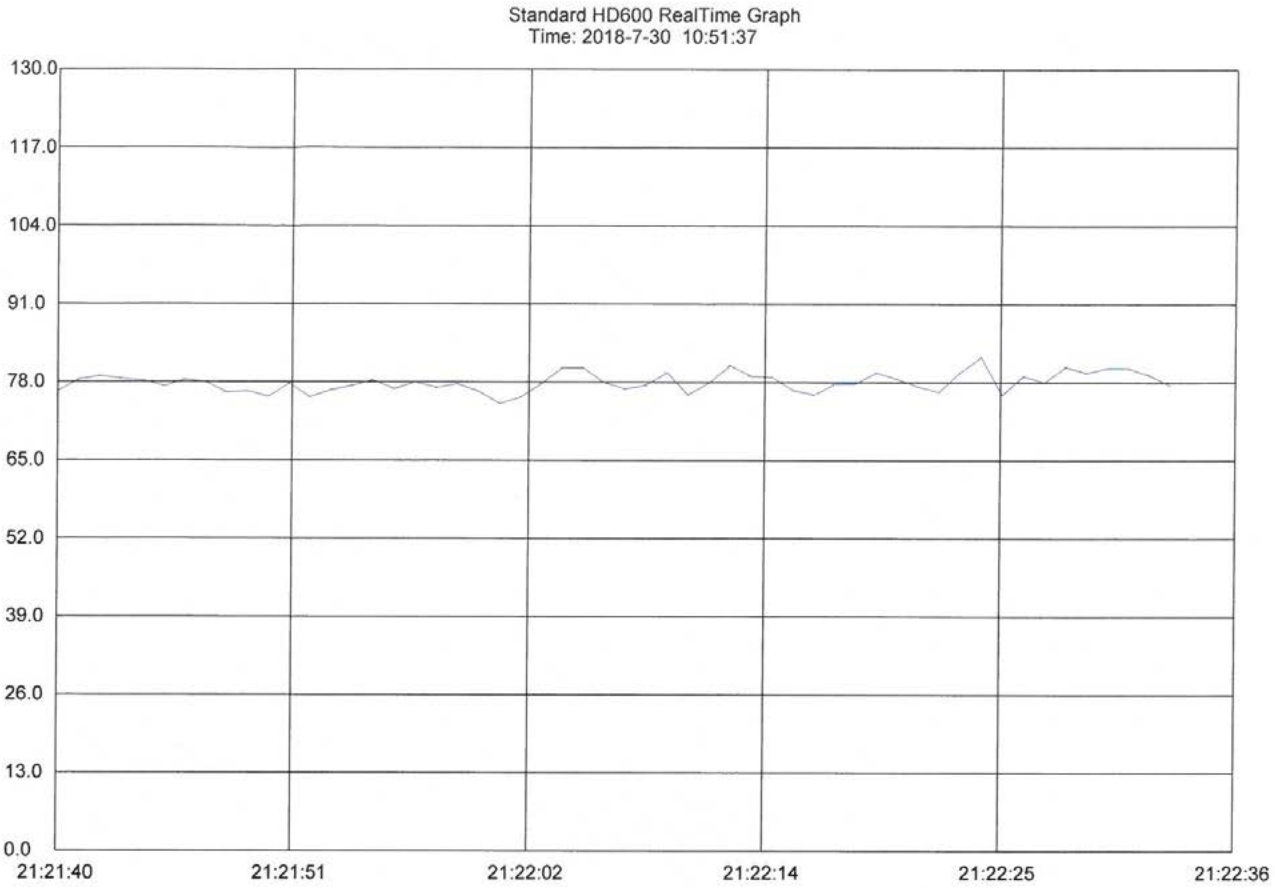

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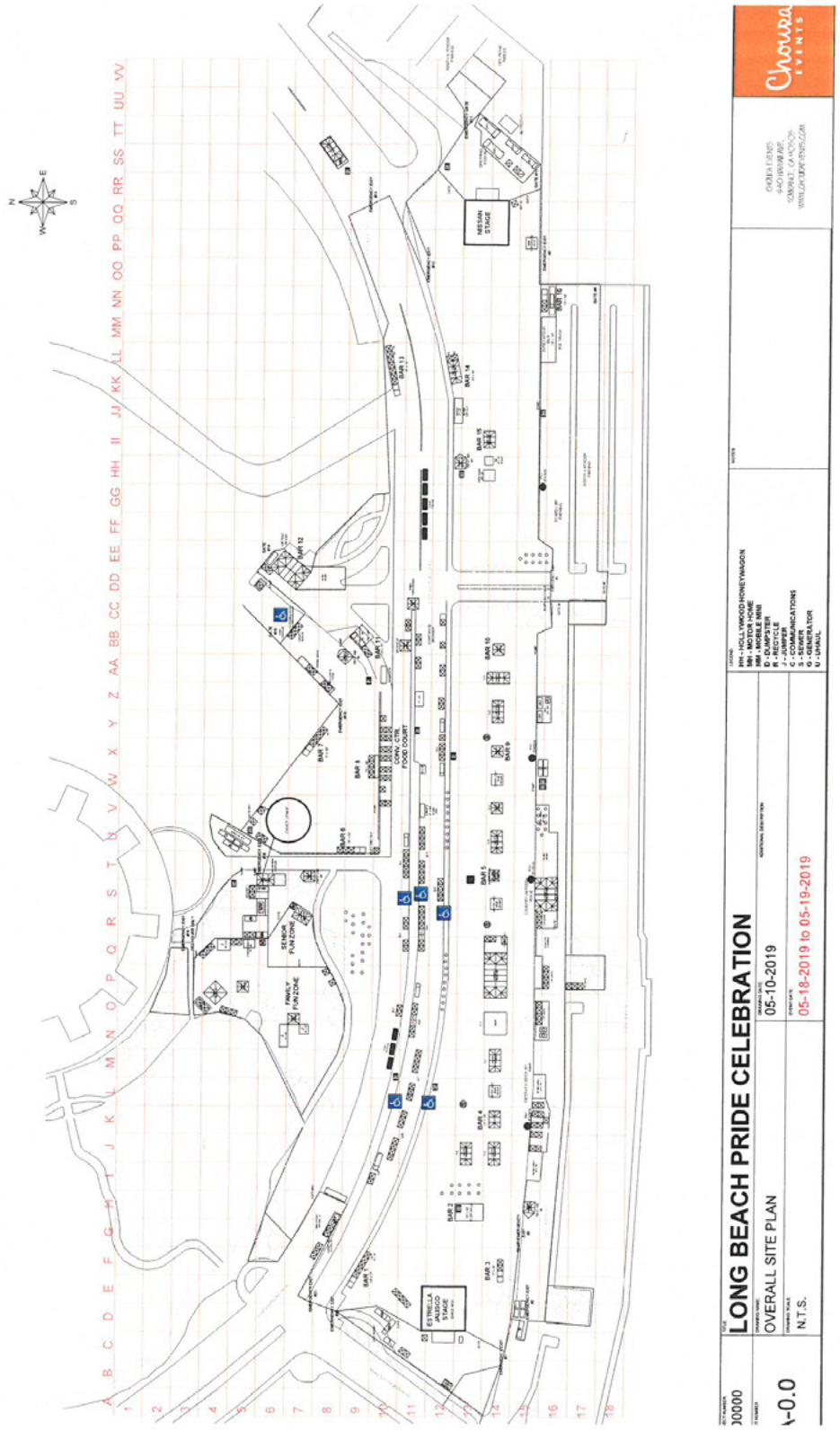
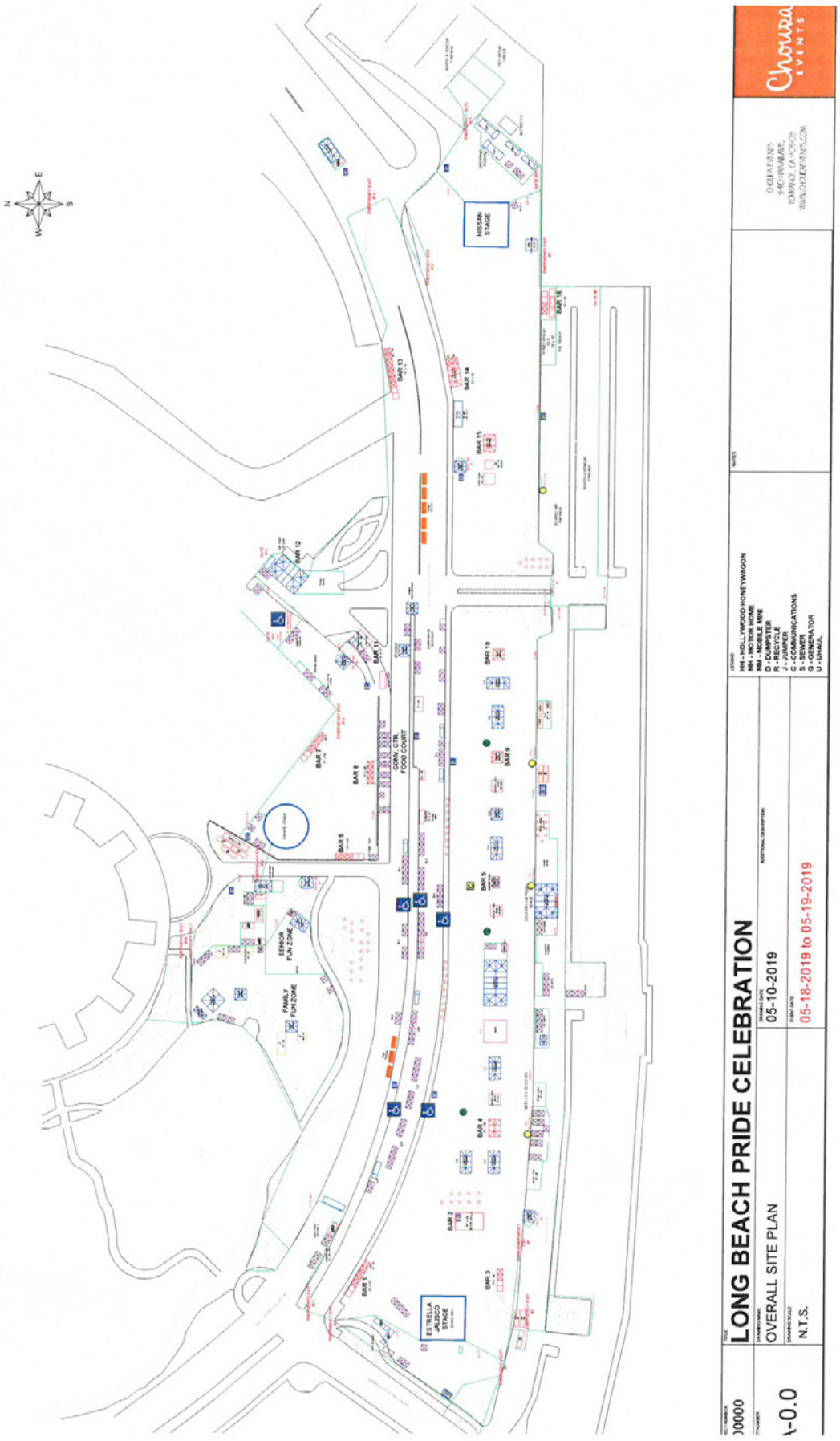
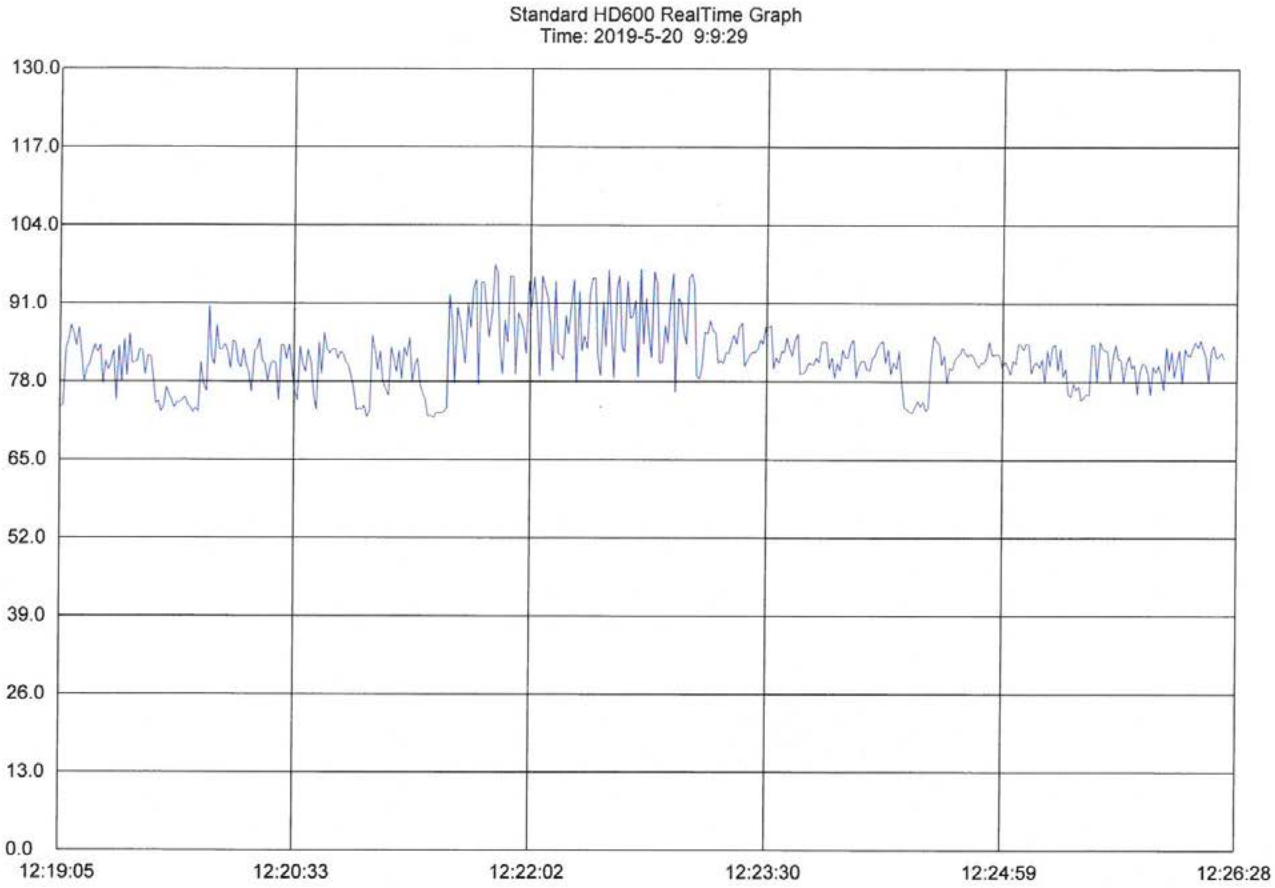
Sample Rate: 1.00
Average: 77.96

A.1.6 Long Beach Pride 2019




N
E
W
S
NISSAN STAGE
ESTRELLA JALISCO STAGE
SENIOR FUN ZONE
FAMILY FUN ZONE
CONV. CTR. FOOD COURT
BAR 1
BAR 2
BAR 3
BAR 4
BAR 5
BAR 6
BAR 7
BAR 8
BAR 9
BAR 10
BAR 11
BAR 12
BAR 13
BAR 14
BAR 15
BAR 16
BAR 17
BAR 18
BAR 19
LONG BEACH PRIDE CELEBRATION
OVERALL SITE PLAN
N.T.S.
05-10-2019
05-18-2019 to 05-19-2019
H - HOLLYWOOD HONEYWAGON
M - MOTOR HOME
MH - MOBILE HOME
D - DUMPSTER
R - RECYCLE
J - JUMPER
C - COMMUNICATIONS
S - SEWER
G - GENERATOR
U - UHAUL
Chorura EVENTS



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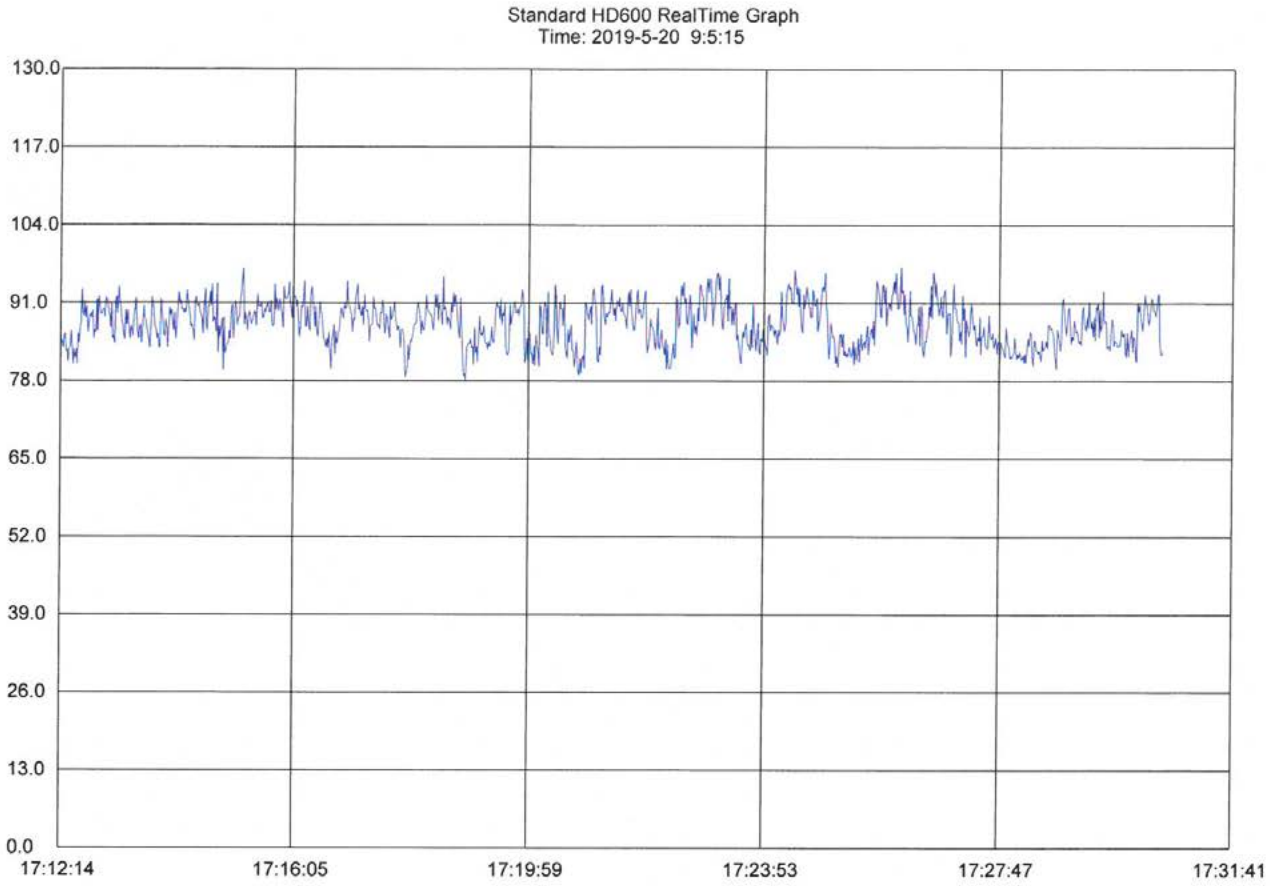
Average: 82.32



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Minnum: 78.20 19-05-2019,17:18:56
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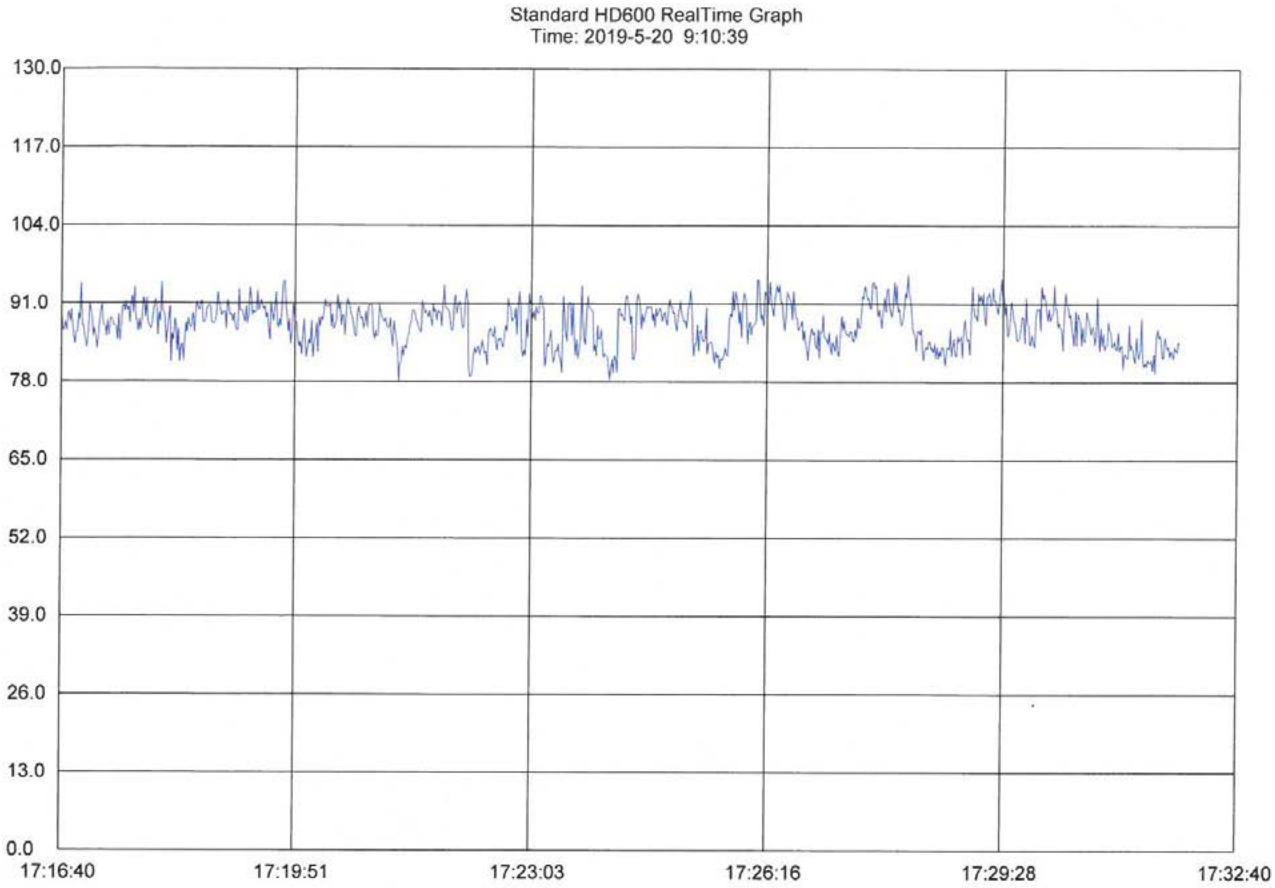
Average: 87.60



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Minnum: 78.00 19-05-2019,17:21:15
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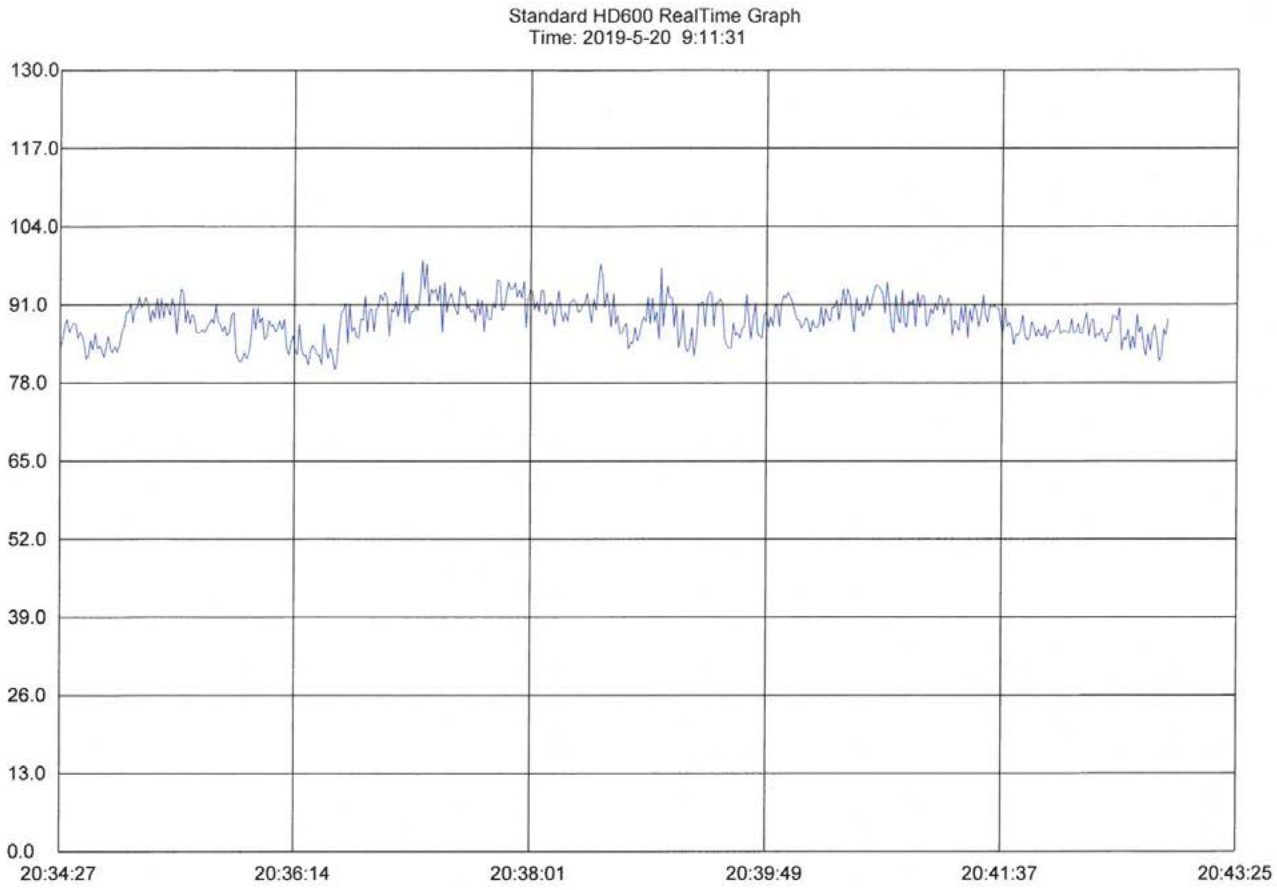
Average: 87.48



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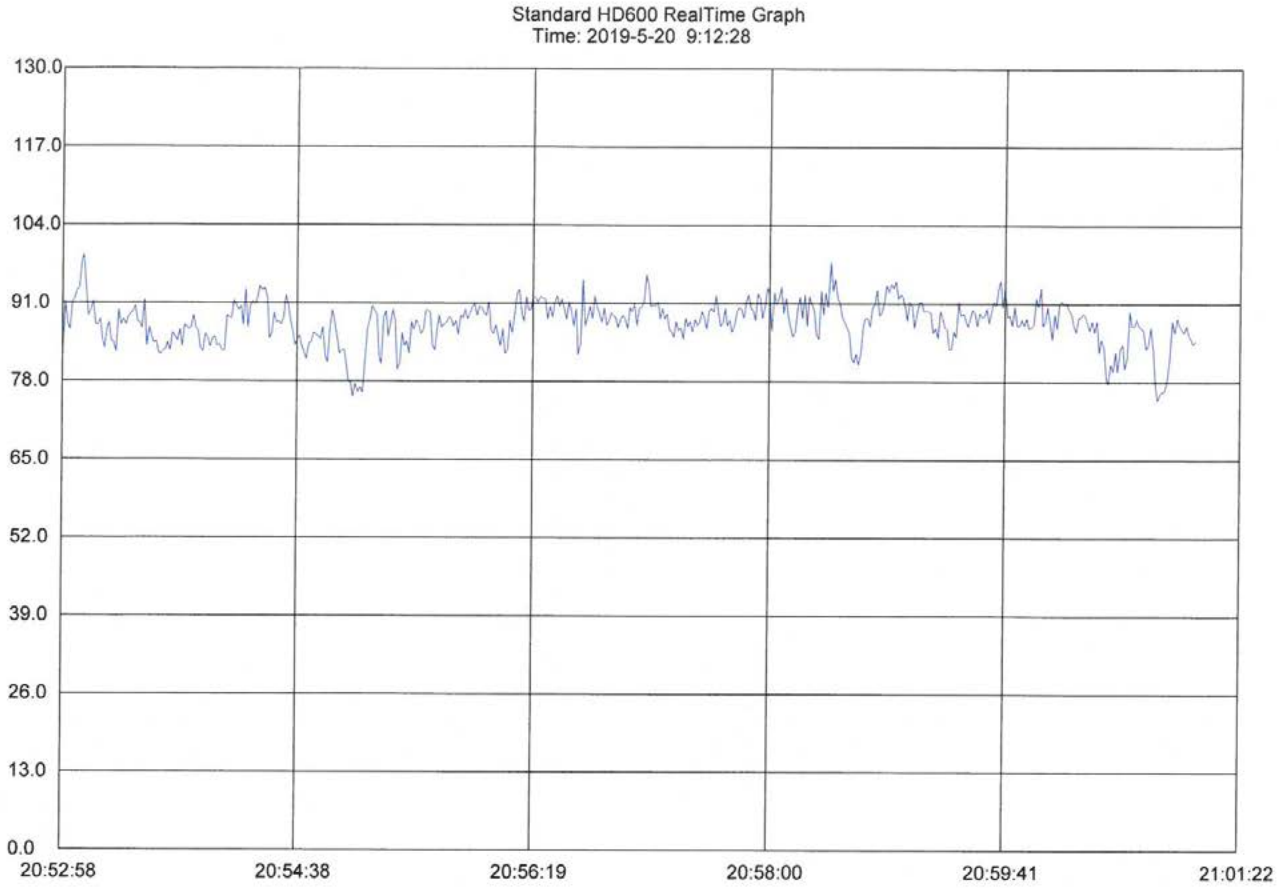
Average: 88.61



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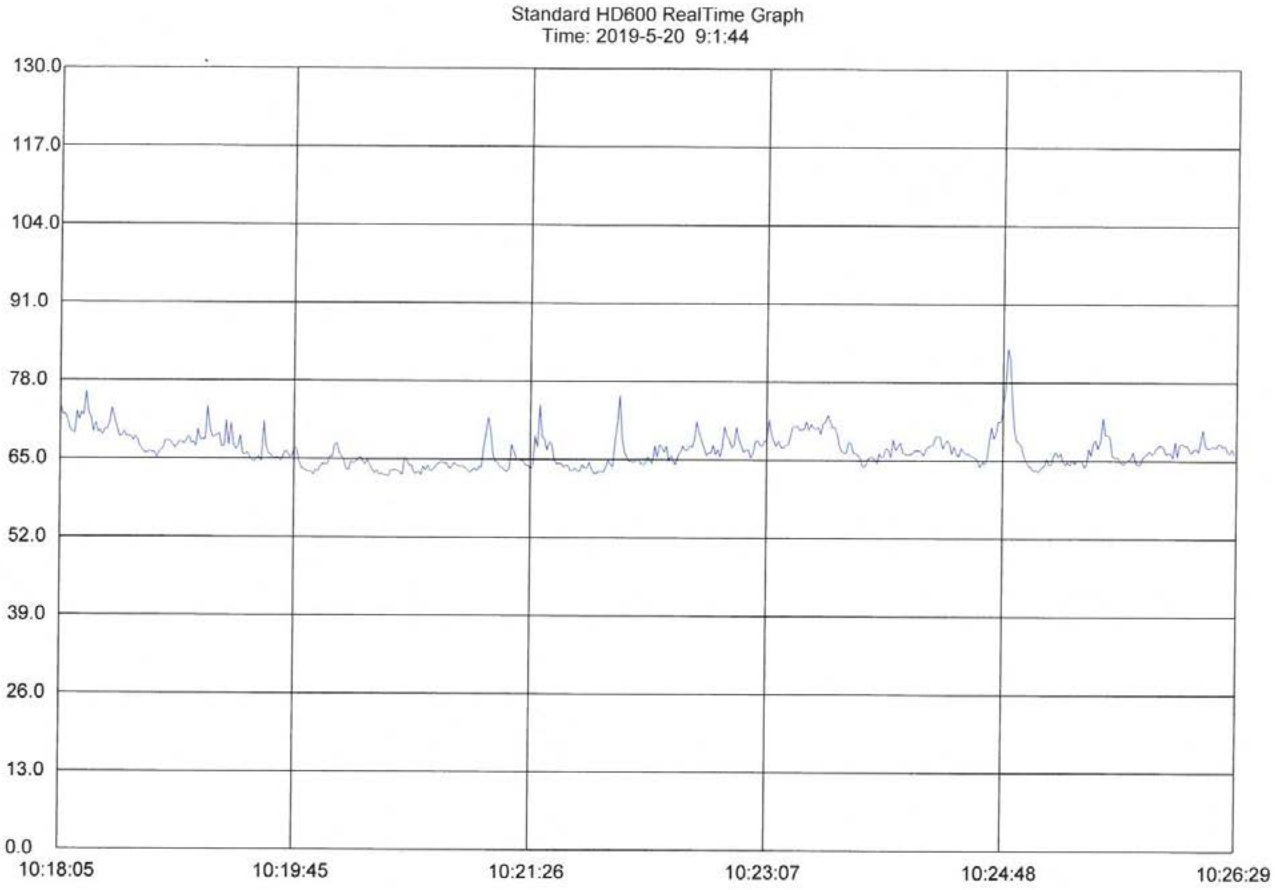

Start Time: 17-05-2019,10:18:05
Maxnum: 83.70 17-05-2019,10:24:50
Minnum: 62.10 17-05-2019,10:20:25
Sample Rate: 1.00
Average: 66.65

A

Data Table

Start Time	17-05-2019,10:18:05
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MinNUM	62.10 17-05-2019,10:20:25
Average	66.65
Sample Rate	1.00

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3	17-05-2019,10:18:07	dBC	72.40
4	17-05-2019,10:18:08	dBC	71.40
5	17-05-2019,10:18:09	dBC	69.80
6	17-05-2019,10:18:10	dBC	69.40
7	17-05-2019,10:18:11	dBC	69.20
8	17-05-2019,10:18:12	dBC	72.90
9	17-05-2019,10:18:13	dBC	71.50
10	17-05-2019,10:18:14	dBC	72.70
11	17-05-2019,10:18:15	dBC	72.20
12	17-05-2019,10:18:16	dBC	76.10
13	17-05-2019,10:18:17	dBC	72.60
14	17-05-2019,10:18:18	dBC	71.80
15	17-05-2019,10:18:19	dBC	69.40
16	17-05-2019,10:18:20	dBC	71.00
17	17-05-2019,10:18:21	dBC	69.40
18	17-05-2019,10:18:22	dBC	69.70
19	17-05-2019,10:18:23	dBC	68.90
20	17-05-2019,10:18:24	dBC	70.00
21	17-05-2019,10:18:25	dBC	69.80
22	17-05-2019,10:18:26	dBC	71.10
23	17-05-2019,10:18:27	dBC	73.40
24	17-05-2019,10:18:28	dBC	71.70
25	17-05-2019,10:18:29	dBC	70.20
26	17-05-2019,10:18:30	dBC	68.70
27	17-05-2019,10:18:31	dBC	68.70
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31	17-05-2019,10:18:35	dBC	68.70
32	17-05-2019,10:18:36	dBC	68.00
33	17-05-2019,10:18:37	dBC	68.70
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35	17-05-2019,10:18:39	dBC	67.10
36	17-05-2019,10:18:40	dBC	66.50
37	17-05-2019,10:18:41	dBC	66.00
38	17-05-2019,10:18:42	dBC	65.90
39	17-05-2019,10:18:43	dBC	66.20
40	17-05-2019,10:18:44	dBC	66.10
41	17-05-2019,10:18:45	dBC	66.10
42	17-05-2019,10:18:46	dBC	65.20
43	17-05-2019,10:18:47	dBC	65.90
44	17-05-2019,10:18:48	dBC	66.50
45	17-05-2019,10:18:49	dBC	66.80
46	17-05-2019,10:18:50	dBC	68.00
47	17-05-2019,10:18:51	dBC	68.10
48	17-05-2019,10:18:52	dBC	67.90
49	17-05-2019,10:18:53	dBC	67.40
50	17-05-2019,10:18:54	dBC	66.70
51	17-05-2019,10:18:55	dBC	67.30
52	17-05-2019,10:18:56	dBC	67.90
53	17-05-2019,10:18:57	dBC	67.70
54	17-05-2019,10:18:58	dBC	67.50
55	17-05-2019,10:18:59	dBC	68.20
56	17-05-2019,10:19:00	dBC	68.70
57	17-05-2019,10:19:01	dBC	67.60
58	17-05-2019,10:19:02	dBC	67.80
59	17-05-2019,10:19:03	dBC	67.10
60	17-05-2019,10:19:04	dBC	69.90
61	17-05-2019,10:19:05	dBC	68.20
62	17-05-2019,10:19:06	dBC	68.30
63	17-05-2019,10:19:07	dBC	68.30
64	17-05-2019,10:19:08	dBC	73.70
65	17-05-2019,10:19:09	dBC	70.10
66	17-05-2019,10:19:10	dBC	68.70
67	17-05-2019,10:19:11	dBC	68.70

Data Table

ID	DateTime	Unit	Value
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71	17-05-2019,10:19:15	dBC	67.10
72	17-05-2019,10:19:16	dBC	71.40
73	17-05-2019,10:19:17	dBC	67.40
74	17-05-2019,10:19:18	dBC	71.00
75	17-05-2019,10:19:19	dBC	67.30
76	17-05-2019,10:19:20	dBC	66.60
77	17-05-2019,10:19:21	dBC	67.10
78	17-05-2019,10:19:22	dBC	68.90
79	17-05-2019,10:19:23	dBC	65.90
80	17-05-2019,10:19:24	dBC	65.70
81	17-05-2019,10:19:25	dBC	66.10
82	17-05-2019,10:19:26	dBC	65.40
83	17-05-2019,10:19:27	dBC	64.80
84	17-05-2019,10:19:28	dBC	64.50
85	17-05-2019,10:19:29	dBC	65.00
86	17-05-2019,10:19:30	dBC	65.40
87	17-05-2019,10:19:31	dBC	64.70
88	17-05-2019,10:19:32	dBC	71.30
89	17-05-2019,10:19:33	dBC	67.10
90	17-05-2019,10:19:34	dBC	65.90
91	17-05-2019,10:19:35	dBC	65.70
92	17-05-2019,10:19:36	dBC	65.00
93	17-05-2019,10:19:37	dBC	65.30
94	17-05-2019,10:19:38	dBC	65.20
95	17-05-2019,10:19:39	dBC	64.80
96	17-05-2019,10:19:40	dBC	65.50
97	17-05-2019,10:19:41	dBC	66.30
98	17-05-2019,10:19:42	dBC	66.10
99	17-05-2019,10:19:43	dBC	65.30
100	17-05-2019,10:19:44	dBC	65.50
101	17-05-2019,10:19:45	dBC	66.80
102	17-05-2019,10:19:46	dBC	66.70
103	17-05-2019,10:19:47	dBC	64.60
104	17-05-2019,10:19:48	dBC	63.60
105	17-05-2019,10:19:49	dBC	63.40
106	17-05-2019,10:19:50	dBC	63.10
107	17-05-2019,10:19:51	dBC	62.80
108	17-05-2019,10:19:52	dBC	63.00
109	17-05-2019,10:19:53	dBC	62.40
110	17-05-2019,10:19:54	dBC	63.20
111	17-05-2019,10:19:55	dBC	63.00
112	17-05-2019,10:19:56	dBC	63.80
113	17-05-2019,10:19:57	dBC	64.30
114	17-05-2019,10:19:58	dBC	64.00
115	17-05-2019,10:19:59	dBC	64.20
116	17-05-2019,10:20:00	dBC	65.50
117	17-05-2019,10:20:01	dBC	65.30
118	17-05-2019,10:20:02	dBC	67.30
119	17-05-2019,10:20:03	dBC	67.70
120	17-05-2019,10:20:04	dBC	65.90
121	17-05-2019,10:20:05	dBC	65.50
122	17-05-2019,10:20:06	dBC	64.80
123	17-05-2019,10:20:07	dBC	63.40
124	17-05-2019,10:20:08	dBC	63.20
125	17-05-2019,10:20:09	dBC	64.60
126	17-05-2019,10:20:10	dBC	64.30
127	17-05-2019,10:20:11	dBC	64.60
128	17-05-2019,10:20:12	dBC	65.00
129	17-05-2019,10:20:13	dBC	65.40
130	17-05-2019,10:20:14	dBC	64.70
131	17-05-2019,10:20:15	dBC	64.20
132	17-05-2019,10:20:16	dBC	64.90
133	17-05-2019,10:20:17	dBC	64.00
134	17-05-2019,10:20:18	dBC	63.30
135	17-05-2019,10:20:19	dBC	62.70
136	17-05-2019,10:20:20	dBC	63.20
137	17-05-2019,10:20:21	dBC	62.40
138	17-05-2019,10:20:22	dBC	62.60
139	17-05-2019,10:20:23	dBC	62.40
140	17-05-2019,10:20:24	dBC	62.40

Data Table

ID	DateTime	Unit	Value
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142	17-05-2019,10:20:26	dBC	63.10
143	17-05-2019,10:20:27	dBC	63.20
144	17-05-2019,10:20:28	dBC	63.20
145	17-05-2019,10:20:29	dBC	63.10
146	17-05-2019,10:20:30	dBC	62.80
147	17-05-2019,10:20:31	dBC	62.40
148	17-05-2019,10:20:32	dBC	65.30
149	17-05-2019,10:20:33	dBC	64.80
150	17-05-2019,10:20:34	dBC	64.00
151	17-05-2019,10:20:35	dBC	64.00
152	17-05-2019,10:20:36	dBC	62.80
153	17-05-2019,10:20:37	dBC	62.70
154	17-05-2019,10:20:38	dBC	63.00
155	17-05-2019,10:20:39	dBC	62.40
156	17-05-2019,10:20:40	dBC	63.80
157	17-05-2019,10:20:41	dBC	63.20
158	17-05-2019,10:20:42	dBC	64.00
159	17-05-2019,10:20:43	dBC	63.10
160	17-05-2019,10:20:44	dBC	63.20
161	17-05-2019,10:20:45	dBC	63.70
162	17-05-2019,10:20:46	dBC	64.20
163	17-05-2019,10:20:47	dBC	64.40
164	17-05-2019,10:20:48	dBC	64.60
165	17-05-2019,10:20:49	dBC	64.40
166	17-05-2019,10:20:50	dBC	64.40
167	17-05-2019,10:20:51	dBC	63.70
168	17-05-2019,10:20:52	dBC	63.60
169	17-05-2019,10:20:53	dBC	64.40
170	17-05-2019,10:20:54	dBC	64.20
171	17-05-2019,10:20:55	dBC	63.90
172	17-05-2019,10:20:56	dBC	63.80
173	17-05-2019,10:20:57	dBC	63.90
174	17-05-2019,10:20:58	dBC	63.60
175	17-05-2019,10:20:59	dBC	63.40
176	17-05-2019,10:21:00	dBC	62.80
177	17-05-2019,10:21:01	dBC	63.20
178	17-05-2019,10:21:02	dBC	63.60
179	17-05-2019,10:21:03	dBC	63.10
180	17-05-2019,10:21:04	dBC	63.80
181	17-05-2019,10:21:05	dBC	63.70
182	17-05-2019,10:21:06	dBC	67.10
183	17-05-2019,10:21:07	dBC	69.30
184	17-05-2019,10:21:08	dBC	72.00
185	17-05-2019,10:21:09	dBC	69.60
186	17-05-2019,10:21:10	dBC	65.90
187	17-05-2019,10:21:11	dBC	64.70
188	17-05-2019,10:21:12	dBC	64.60
189	17-05-2019,10:21:13	dBC	63.80
190	17-05-2019,10:21:14	dBC	63.70
191	17-05-2019,10:21:15	dBC	63.20
192	17-05-2019,10:21:16	dBC	62.90
193	17-05-2019,10:21:17	dBC	63.60
194	17-05-2019,10:21:18	dBC	67.50
195	17-05-2019,10:21:19	dBC	66.30
196	17-05-2019,10:21:20	dBC	65.00
197	17-05-2019,10:21:21	dBC	65.00
198	17-05-2019,10:21:22	dBC	64.80
199	17-05-2019,10:21:23	dBC	64.70
200	17-05-2019,10:21:24	dBC	64.00
201	17-05-2019,10:21:25	dBC	64.00
202	17-05-2019,10:21:26	dBC	63.40
203	17-05-2019,10:21:27	dBC	64.20
204	17-05-2019,10:21:28	dBC	68.90
205	17-05-2019,10:21:29	dBC	67.10
206	17-05-2019,10:21:30	dBC	74.10
207	17-05-2019,10:21:31	dBC	68.70
208	17-05-2019,10:21:32	dBC	68.40
209	17-05-2019,10:21:33	dBC	66.50
210	17-05-2019,10:21:34	dBC	67.90
211	17-05-2019,10:21:35	dBC	67.80
212	17-05-2019,10:21:36	dBC	65.00
213	17-05-2019,10:21:37	dBC	64.30

Data Table

ID	DateTime	Unit	Value
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215	17-05-2019,10:21:39	dBC	64.40
216	17-05-2019,10:21:40	dBC	63.80
217	17-05-2019,10:21:41	dBC	64.00
218	17-05-2019,10:21:42	dBC	64.00
219	17-05-2019,10:21:43	dBC	63.10
220	17-05-2019,10:21:44	dBC	63.20
221	17-05-2019,10:21:45	dBC	63.70
222	17-05-2019,10:21:46	dBC	63.10
223	17-05-2019,10:21:47	dBC	63.00
224	17-05-2019,10:21:48	dBC	64.20
225	17-05-2019,10:21:49	dBC	63.60
226	17-05-2019,10:21:50	dBC	63.70
227	17-05-2019,10:21:51	dBC	64.60
228	17-05-2019,10:21:52	dBC	63.40
229	17-05-2019,10:21:53	dBC	62.70
230	17-05-2019,10:21:54	dBC	62.70
231	17-05-2019,10:21:55	dBC	63.10
232	17-05-2019,10:21:56	dBC	63.00
233	17-05-2019,10:21:57	dBC	62.90
234	17-05-2019,10:21:58	dBC	63.90
235	17-05-2019,10:21:59	dBC	64.90
236	17-05-2019,10:22:00	dBC	64.20
237	17-05-2019,10:22:01	dBC	63.80
238	17-05-2019,10:22:02	dBC	68.00
239	17-05-2019,10:22:03	dBC	70.80
240	17-05-2019,10:22:04	dBC	75.70
241	17-05-2019,10:22:05	dBC	68.70
242	17-05-2019,10:22:06	dBC	66.30
243	17-05-2019,10:22:07	dBC	65.40
244	17-05-2019,10:22:08	dBC	64.80
245	17-05-2019,10:22:09	dBC	64.70
246	17-05-2019,10:22:10	dBC	64.60
247	17-05-2019,10:22:11	dBC	64.90
248	17-05-2019,10:22:12	dBC	65.00
249	17-05-2019,10:22:13	dBC	64.40
250	17-05-2019,10:22:14	dBC	64.20
251	17-05-2019,10:22:15	dBC	64.50
252	17-05-2019,10:22:16	dBC	65.50
253	17-05-2019,10:22:17	dBC	64.80
254	17-05-2019,10:22:18	dBC	64.40
255	17-05-2019,10:22:19	dBC	67.30
256	17-05-2019,10:22:20	dBC	65.50
257	17-05-2019,10:22:21	dBC	67.50
258	17-05-2019,10:22:22	dBC	67.10
259	17-05-2019,10:22:23	dBC	66.30
260	17-05-2019,10:22:24	dBC	67.30
261	17-05-2019,10:22:25	dBC	64.80
262	17-05-2019,10:22:26	dBC	65.80
263	17-05-2019,10:22:27	dBC	64.80
264	17-05-2019,10:22:28	dBC	64.20
265	17-05-2019,10:22:29	dBC	65.70
266	17-05-2019,10:22:30	dBC	66.30
267	17-05-2019,10:22:31	dBC	67.30
268	17-05-2019,10:22:32	dBC	66.60
269	17-05-2019,10:22:33	dBC	66.60
270	17-05-2019,10:22:34	dBC	67.40
271	17-05-2019,10:22:35	dBC	67.10
272	17-05-2019,10:22:36	dBC	68.60
273	17-05-2019,10:22:37	dBC	71.40
274	17-05-2019,10:22:38	dBC	69.60
275	17-05-2019,10:22:39	dBC	68.30
276	17-05-2019,10:22:40	dBC	67.10
277	17-05-2019,10:22:41	dBC	65.80
278	17-05-2019,10:22:42	dBC	66.20
279	17-05-2019,10:22:43	dBC	66.20
280	17-05-2019,10:22:44	dBC	67.50
281	17-05-2019,10:22:45	dBC	65.90
282	17-05-2019,10:22:46	dBC	66.80
283	17-05-2019,10:22:47	dBC	65.50
284	17-05-2019,10:22:48	dBC	67.30
285	17-05-2019,10:22:49	dBC	70.60
286	17-05-2019,10:22:50	dBC	68.90

A

Data Table

ID	DateTime	Unit	Value
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289	17-05-2019,10:22:53	dBC	67.50
290	17-05-2019,10:22:54	dBC	70.50
291	17-05-2019,10:22:55	dBC	68.40
292	17-05-2019,10:22:56	dBC	67.30
293	17-05-2019,10:22:57	dBC	66.30
294	17-05-2019,10:22:58	dBC	66.70
295	17-05-2019,10:22:59	dBC	66.80
296	17-05-2019,10:23:00	dBC	65.40
297	17-05-2019,10:23:01	dBC	66.10
298	17-05-2019,10:23:02	dBC	68.10
299	17-05-2019,10:23:03	dBC	68.30
300	17-05-2019,10:23:04	dBC	67.50
301	17-05-2019,10:23:05	dBC	67.30
302	17-05-2019,10:23:06	dBC	68.30
303	17-05-2019,10:23:07	dBC	68.10
304	17-05-2019,10:23:08	dBC	71.70
305	17-05-2019,10:23:09	dBC	69.10
306	17-05-2019,10:23:10	dBC	68.20
307	17-05-2019,10:23:11	dBC	67.30
308	17-05-2019,10:23:12	dBC	68.20
309	17-05-2019,10:23:13	dBC	67.10
310	17-05-2019,10:23:14	dBC	67.10
311	17-05-2019,10:23:15	dBC	67.50
312	17-05-2019,10:23:16	dBC	67.60
313	17-05-2019,10:23:17	dBC	68.90
314	17-05-2019,10:23:18	dBC	70.60
315	17-05-2019,10:23:19	dBC	70.60
316	17-05-2019,10:23:20	dBC	70.70
317	17-05-2019,10:23:21	dBC	70.00
318	17-05-2019,10:23:22	dBC	70.20
319	17-05-2019,10:23:23	dBC	70.20
320	17-05-2019,10:23:24	dBC	71.50
321	17-05-2019,10:23:25	dBC	70.00
322	17-05-2019,10:23:26	dBC	71.00
323	17-05-2019,10:23:27	dBC	70.40
324	17-05-2019,10:23:28	dBC	70.20
325	17-05-2019,10:23:29	dBC	70.60
326	17-05-2019,10:23:30	dBC	69.40
327	17-05-2019,10:23:31	dBC	71.10
328	17-05-2019,10:23:32	dBC	71.50
329	17-05-2019,10:23:33	dBC	72.50
330	17-05-2019,10:23:34	dBC	71.40
331	17-05-2019,10:23:35	dBC	70.40
332	17-05-2019,10:23:36	dBC	70.60
333	17-05-2019,10:23:37	dBC	69.40
334	17-05-2019,10:23:38	dBC	67.40
335	17-05-2019,10:23:39	dBC	66.50
336	17-05-2019,10:23:40	dBC	66.30
337	17-05-2019,10:23:41	dBC	66.30
338	17-05-2019,10:23:42	dBC	68.10
339	17-05-2019,10:23:43	dBC	67.80
340	17-05-2019,10:23:44	dBC	66.30
341	17-05-2019,10:23:45	dBC	66.10
342	17-05-2019,10:23:46	dBC	65.90
343	17-05-2019,10:23:47	dBC	65.30
344	17-05-2019,10:23:48	dBC	64.00
345	17-05-2019,10:23:49	dBC	64.10
346	17-05-2019,10:23:50	dBC	65.20
347	17-05-2019,10:23:51	dBC	65.50
348	17-05-2019,10:23:52	dBC	65.50
349	17-05-2019,10:23:53	dBC	65.20
350	17-05-2019,10:23:54	dBC	64.60
351	17-05-2019,10:23:55	dBC	66.20
352	17-05-2019,10:23:56	dBC	65.50
353	17-05-2019,10:23:57	dBC	65.80
354	17-05-2019,10:23:58	dBC	67.10
355	17-05-2019,10:23:59	dBC	66.70
356	17-05-2019,10:24:00	dBC	65.50
357	17-05-2019,10:24:01	dBC	68.60
358	17-05-2019,10:24:02	dBC	66.70
359	17-05-2019,10:24:03	dBC	67.40

Data Table

ID	DateTime	Unit	Value
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363	17-05-2019,10:24:07	dBC	66.00
364	17-05-2019,10:24:08	dBC	66.10
365	17-05-2019,10:24:09	dBC	66.10
366	17-05-2019,10:24:10	dBC	66.70
367	17-05-2019,10:24:11	dBC	66.70
368	17-05-2019,10:24:12	dBC	66.70
369	17-05-2019,10:24:13	dBC	66.30
370	17-05-2019,10:24:14	dBC	65.90
371	17-05-2019,10:24:15	dBC	67.10
372	17-05-2019,10:24:16	dBC	67.30
373	17-05-2019,10:24:17	dBC	67.50
374	17-05-2019,10:24:18	dBC	67.70
375	17-05-2019,10:24:19	dBC	69.00
376	17-05-2019,10:24:20	dBC	69.10
377	17-05-2019,10:24:21	dBC	68.90
378	17-05-2019,10:24:22	dBC	67.00
379	17-05-2019,10:24:23	dBC	67.90
380	17-05-2019,10:24:24	dBC	68.40
381	17-05-2019,10:24:25	dBC	67.90
382	17-05-2019,10:24:26	dBC	66.10
383	17-05-2019,10:24:27	dBC	67.40
384	17-05-2019,10:24:28	dBC	66.10
385	17-05-2019,10:24:29	dBC	65.70
386	17-05-2019,10:24:30	dBC	67.10
387	17-05-2019,10:24:31	dBC	66.60
388	17-05-2019,10:24:32	dBC	66.10
389	17-05-2019,10:24:33	dBC	66.20
390	17-05-2019,10:24:34	dBC	65.90
391	17-05-2019,10:24:35	dBC	65.70
392	17-05-2019,10:24:36	dBC	65.50
393	17-05-2019,10:24:37	dBC	65.10
394	17-05-2019,10:24:38	dBC	64.00
395	17-05-2019,10:24:39	dBC	64.80
396	17-05-2019,10:24:40	dBC	64.50
397	17-05-2019,10:24:41	dBC	65.30
398	17-05-2019,10:24:42	dBC	68.30
399	17-05-2019,10:24:43	dBC	70.60
400	17-05-2019,10:24:44	dBC	68.70
401	17-05-2019,10:24:45	dBC	69.80
402	17-05-2019,10:24:46	dBC	71.60
403	17-05-2019,10:24:47	dBC	71.40
404	17-05-2019,10:24:48	dBC	73.60
405	17-05-2019,10:24:49	dBC	76.90
406	17-05-2019,10:24:50	dBC	83.70
407	17-05-2019,10:24:51	dBC	81.90
408	17-05-2019,10:24:52	dBC	74.50
409	17-05-2019,10:24:53	dBC	69.80
410	17-05-2019,10:24:54	dBC	68.20
411	17-05-2019,10:24:55	dBC	68.10
412	17-05-2019,10:24:56	dBC	67.30
413	17-05-2019,10:24:57	dBC	65.90
414	17-05-2019,10:24:58	dBC	65.00
415	17-05-2019,10:24:59	dBC	64.20
416	17-05-2019,10:25:00	dBC	64.00
417	17-05-2019,10:25:01	dBC	63.30
418	17-05-2019,10:25:02	dBC	63.50
419	17-05-2019,10:25:03	dBC	63.20
420	17-05-2019,10:25:04	dBC	63.50
421	17-05-2019,10:25:05	dBC	64.00
422	17-05-2019,10:25:06	dBC	64.20
423	17-05-2019,10:25:07	dBC	65.40
424	17-05-2019,10:25:08	dBC	64.40
425	17-05-2019,10:25:09	dBC	64.50
426	17-05-2019,10:25:10	dBC	66.00
427	17-05-2019,10:25:11	dBC	66.50
428	17-05-2019,10:25:12	dBC	65.70
429	17-05-2019,10:25:13	dBC	66.30
430	17-05-2019,10:25:14	dBC	65.00
431	17-05-2019,10:25:15	dBC	64.40
432	17-05-2019,10:25:16	dBC	64.80

Data Table

ID	DateTime	Unit	Value
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436	17-05-2019,10:25:20	dBC	65.10
437	17-05-2019,10:25:21	dBC	65.10
438	17-05-2019,10:25:22	dBC	65.00
439	17-05-2019,10:25:23	dBC	64.00
440	17-05-2019,10:25:24	dBC	64.30
441	17-05-2019,10:25:25	dBC	67.00
442	17-05-2019,10:25:26	dBC	65.90
443	17-05-2019,10:25:27	dBC	67.90
444	17-05-2019,10:25:28	dBC	68.50
445	17-05-2019,10:25:29	dBC	67.00
446	17-05-2019,10:25:30	dBC	68.50
447	17-05-2019,10:25:31	dBC	72.20
448	17-05-2019,10:25:32	dBC	69.30
449	17-05-2019,10:25:33	dBC	69.40
450	17-05-2019,10:25:34	dBC	68.90
451	17-05-2019,10:25:35	dBC	65.90
452	17-05-2019,10:25:36	dBC	65.50
453	17-05-2019,10:25:37	dBC	65.70
454	17-05-2019,10:25:38	dBC	65.20
455	17-05-2019,10:25:39	dBC	64.60
456	17-05-2019,10:25:40	dBC	64.50
457	17-05-2019,10:25:41	dBC	65.00
458	17-05-2019,10:25:42	dBC	65.20
459	17-05-2019,10:25:43	dBC	65.50
460	17-05-2019,10:25:44	dBC	66.50
461	17-05-2019,10:25:45	dBC	64.90
462	17-05-2019,10:25:46	dBC	64.30
463	17-05-2019,10:25:47	dBC	64.40
464	17-05-2019,10:25:48	dBC	65.50
465	17-05-2019,10:25:49	dBC	65.90
466	17-05-2019,10:25:50	dBC	66.10
467	17-05-2019,10:25:51	dBC	66.70
468	17-05-2019,10:25:52	dBC	66.10
469	17-05-2019,10:25:53	dBC	66.30
470	17-05-2019,10:25:54	dBC	67.10
471	17-05-2019,10:25:55	dBC	67.50
472	17-05-2019,10:25:56	dBC	67.50
473	17-05-2019,10:25:57	dBC	67.30
474	17-05-2019,10:25:58	dBC	66.20
475	17-05-2019,10:25:59	dBC	66.30
476	17-05-2019,10:26:00	dBC	66.40
477	17-05-2019,10:26:01	dBC	65.50
478	17-05-2019,10:26:02	dBC	68.20
479	17-05-2019,10:26:03	dBC	65.70
480	17-05-2019,10:26:04	dBC	67.70
481	17-05-2019,10:26:05	dBC	67.90
482	17-05-2019,10:26:06	dBC	67.50
483	17-05-2019,10:26:07	dBC	67.60
484	17-05-2019,10:26:08	dBC	66.90
485	17-05-2019,10:26:09	dBC	66.30
486	17-05-2019,10:26:10	dBC	66.90
487	17-05-2019,10:26:11	dBC	67.10
488	17-05-2019,10:26:12	dBC	66.50
489	17-05-2019,10:26:13	dBC	68.20
490	17-05-2019,10:26:14	dBC	70.20
491	17-05-2019,10:26:15	dBC	67.70
492	17-05-2019,10:26:16	dBC	67.10
493	17-05-2019,10:26:17	dBC	67.20
494	17-05-2019,10:26:18	dBC	67.40
495	17-05-2019,10:26:19	dBC	67.30
496	17-05-2019,10:26:20	dBC	67.30
497	17-05-2019,10:26:21	dBC	67.90
498	17-05-2019,10:26:22	dBC	67.70
499	17-05-2019,10:26:23	dBC	67.30
500	17-05-2019,10:26:24	dBC	67.50
501	17-05-2019,10:26:25	dBC	66.50
502	17-05-2019,10:26:26	dBC	66.30
503	17-05-2019,10:26:27	dBC	67.00
504	17-05-2019,10:26:28	dBC	66.10

LONGBEACH SPECIAL EVENTS AND FILMING

CITY OF LONGBEACH

Special Events & Filming
211 E. Ocean Blvd., Suite 400
Long Beach, CA 90802

May 28, 2019

Denise Newman
Long Beach Lesbian & Gay Pride, Inc.
1017 Obispo Ave.
Long Beach, CA 90804

Dear Long Beach Pride President,

During the 2019 Long Beach Pride Festival, the Long Beach Special Events and Filming Office received fourteen (14) noise complaints. On Saturday, May 18, 2019, the office received five (5) complaints between the hours of 11:09 AM and 8:20 PM, and a total of nine (9) complaints between Sunday, May 19, 2019 at 4:48 PM and 1:29 AM on Monday, May 20, 2019.

Each of the complaints received were forwarded to Special Events and Filming (SEF) staff monitoring the event onsite. In an effort to reduce the sound and bass from the festival, the complaints were communicated to the Audio Technicians for each stage at the times indicated below.

Saturday, May 18, 2019
12:06 PM
3:41 PM

Sunday, May 19, 2019
1:48 PM
8:00 PM
8:07 PM
8:12 PM
8:23 PM
9:17 PM
9:58 PM
10:15 PM

LONG BEACH SPECIAL EVENTS AND FILMING

CITY OF LONG BEACH

Over the course of the event, these efforts were addressed on occasion by the Audio Technicians, however, during the event staff noticed the sound level increased throughout the day. During the evening requests to turn down the music, the requests to the Technician were ignored. Staff did not observe any noticeable change. This back and forth communication between SEF staff and the Audio Technicians from 8:00 PM to 10:15 PM on Sunday, May 19, 2019 was a direct result of the numerous complaints.

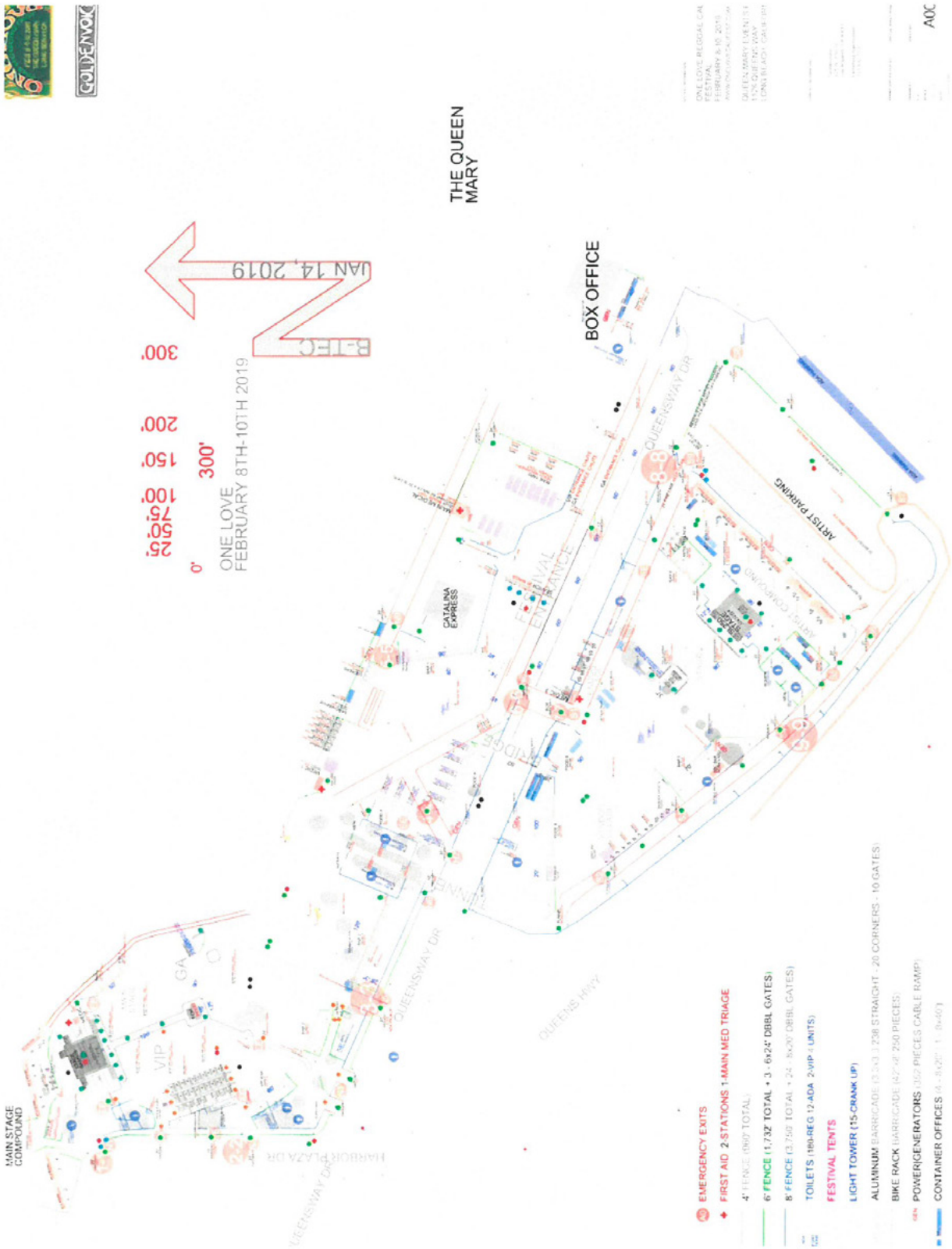
Post event, Jay Lopez, Event Coordinator Supervisor, contacted Mike Iacono with Pride via text message and in person to remind them that only essential materials should be moved at night and noise should be kept to within normal standards. Even though these instructions were given, the complaints received after midnight included dropping of pipes and equipment, stage lighting remaining on, and vehicle backup signals through the night.

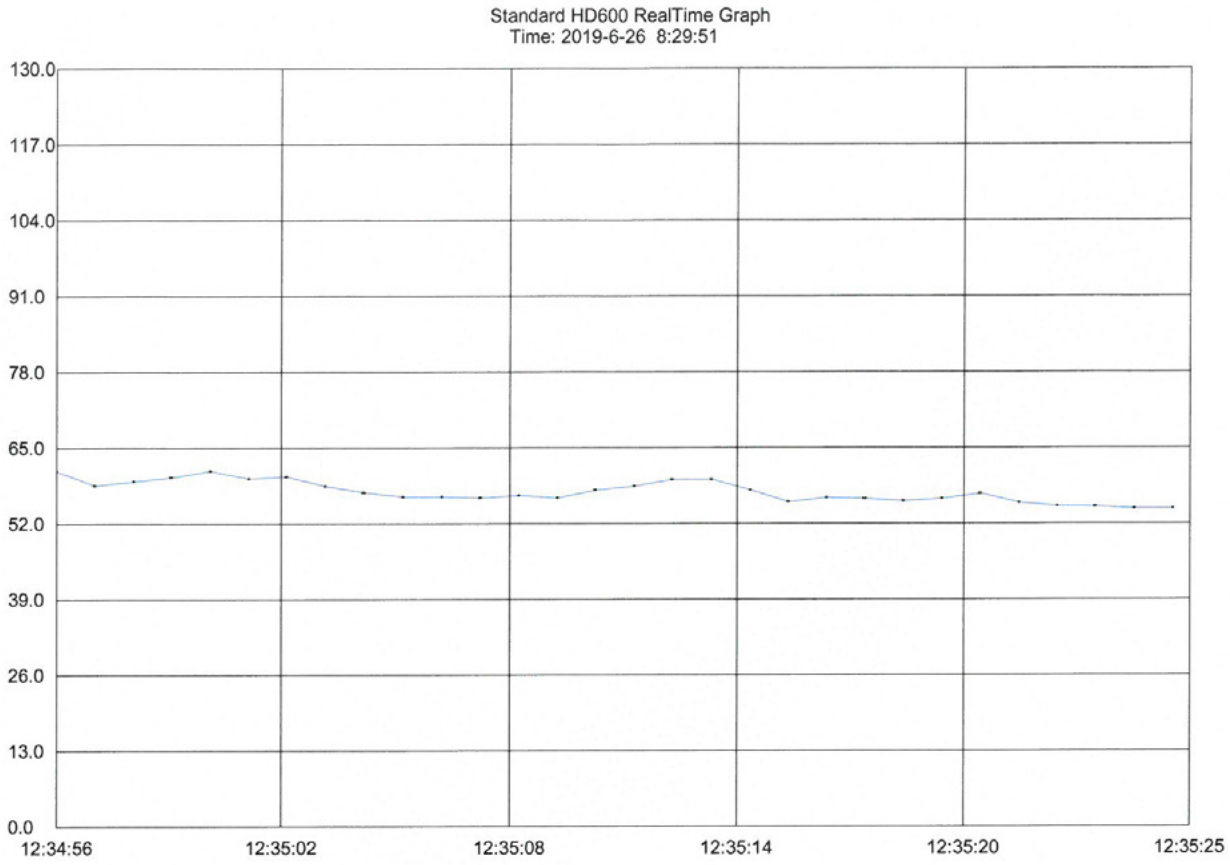
Based on these complaints and violations in the terms and conditions section of your Special Event Permit, the City will implement a compliance mitigation plan for future events. Once reviewed and approved by the appropriate city departments, a detailed memorandum will be sent to you regarding these mitigation measures.

Sincerely,

Tasha Day
Manager, Special Events and Filming

A.1.7 Queen Mary One Love Cali Reggae Festival





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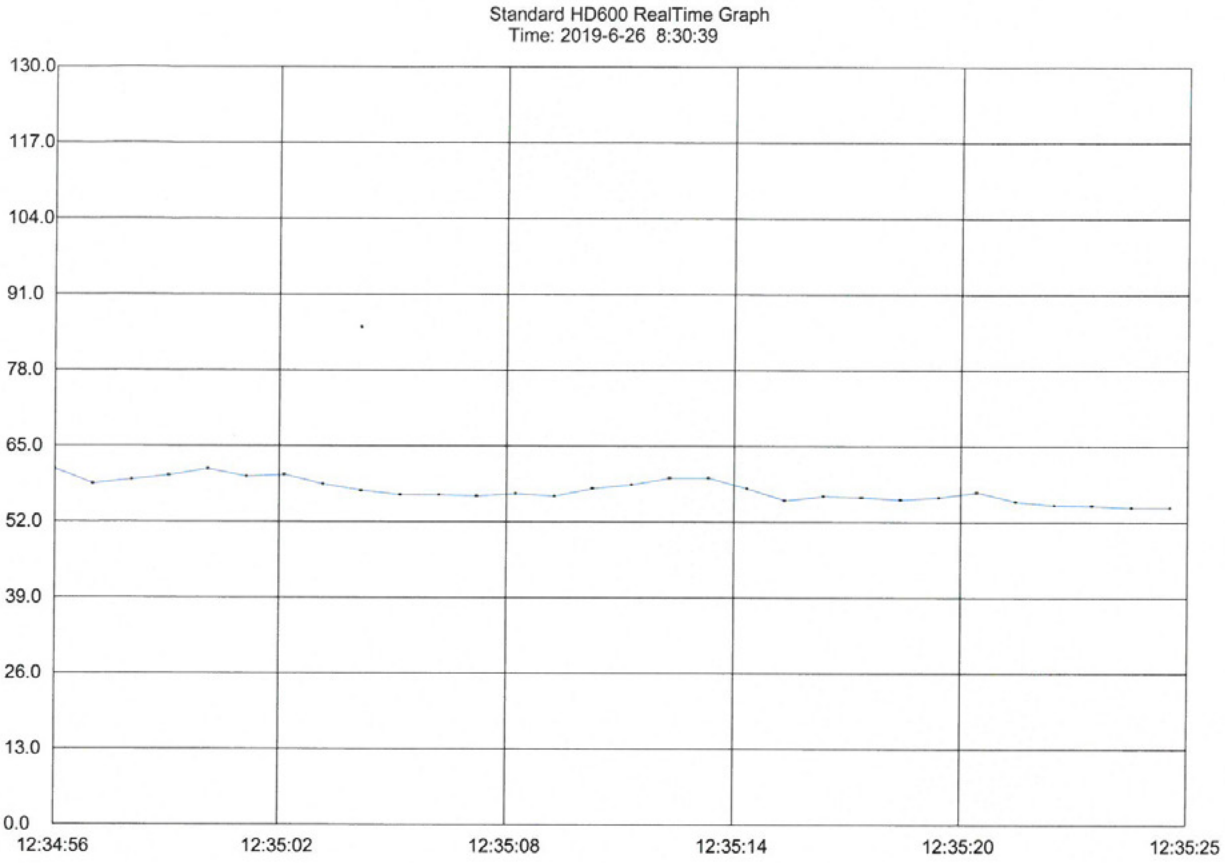
Sample Rate: 1.00
Average: 57.41



Start Time: 02-06-2019,12:34:56
Maxnum: 61.00 02-06-2019,12:34:56
Minnum: 54.50 02-06-2019,12:35:24
Sample Rate: 1.00
Average: 57.41

A.1.8 Worship Encounter

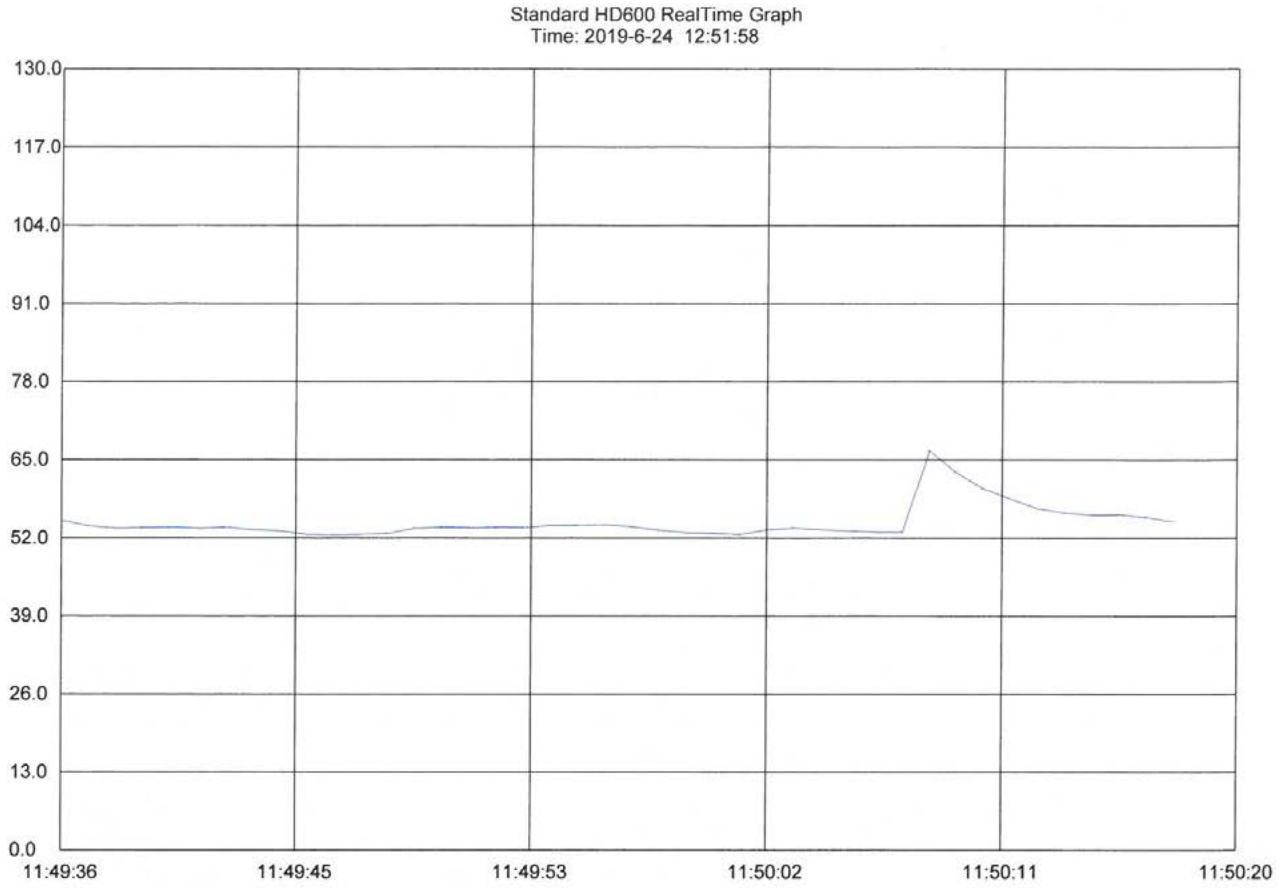
WORSHIP ENCOUNTER MOVEMENT

List of events 10:00AM- 7:00PM

10:00 - 10:30	Opening Welcome (Mel Austin, and Reyna Day)
10:30 - 11:00	Open in Prayer (Welcoming the crowd and thanking them for coming out)
11:00 - 11:30	Tara (singer)
11:30 - 12:00	Pastor Nah Church (Korean)
12:00 – 12:30	Pastor Robinson (Prayer and worship Leader)
12:30 – 1:15	Christ Liberation Ministries - African worship drumming
1:20 – 2:00	St Paul Baptist Church – Praise Dance Team
2:00 - 2:30	Nancy (Prayer)
2:30 – 3:00	Vangela Hutcher (Choir, Prayer)
3:00 - 3:30	Michelle (poetry)
3:30 - 4:00	Sharon Whitaker
4:00 - 4:15	Brian White
4:20 – 4:45	Krystal Murphy
4:45 - 5:15	Tina Church – still pending
5:15 – 5:30	Sanriene Taylor
5:30 – 5:50	Cee
6:00 – 6:25	Ronnie
6:30 – 6:45	Faith Trucker
6:45 – 7:00	Closing out & Saying a Prayer over everyone

A


Legend
Stage 28' x '25
Kid Area
Fence Barrier
VIP
Rainbow Lagoon Park
Stage 28' x '25
Kids Area
Generator
Food Trucks
Restroom
Table
Tent
VIP Area
Information Booths



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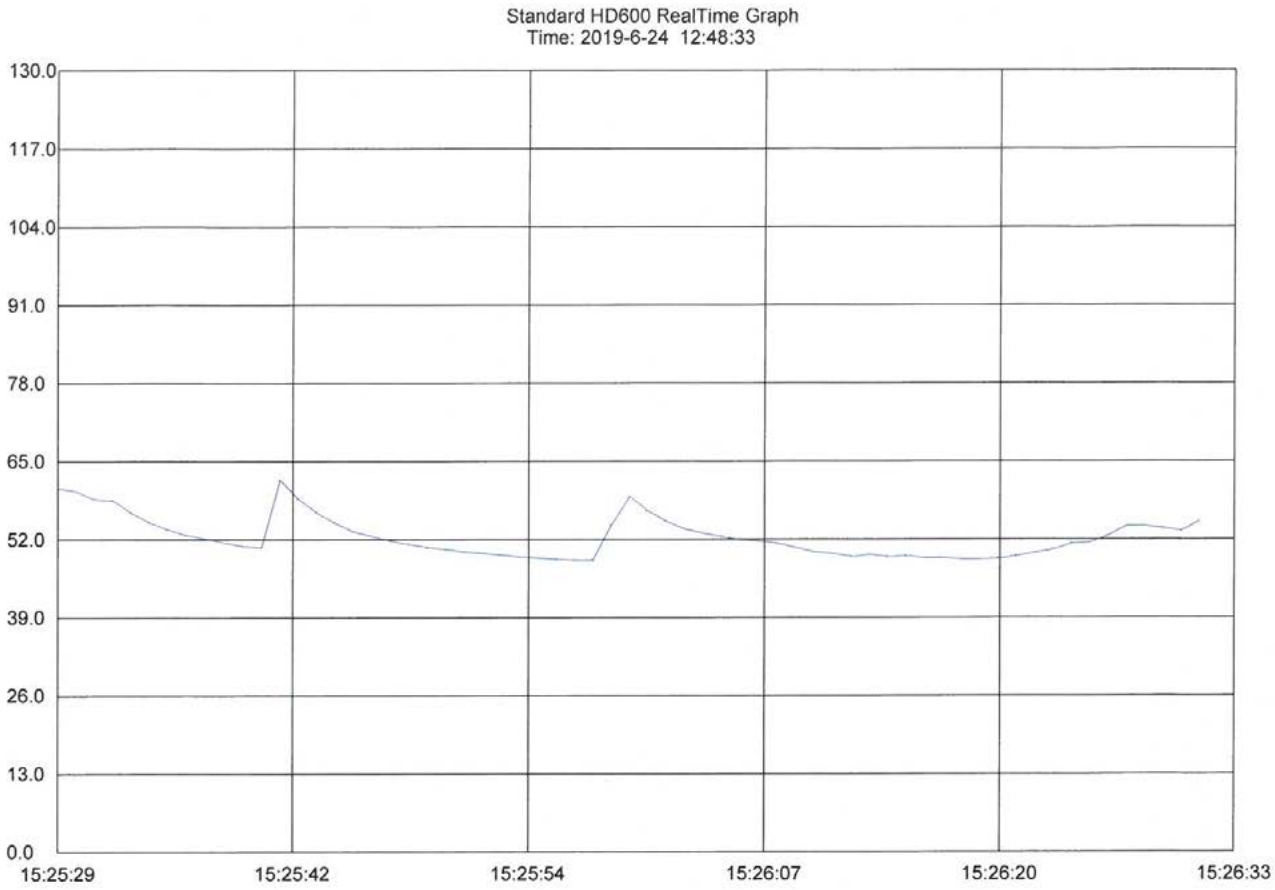
Average: 54.61



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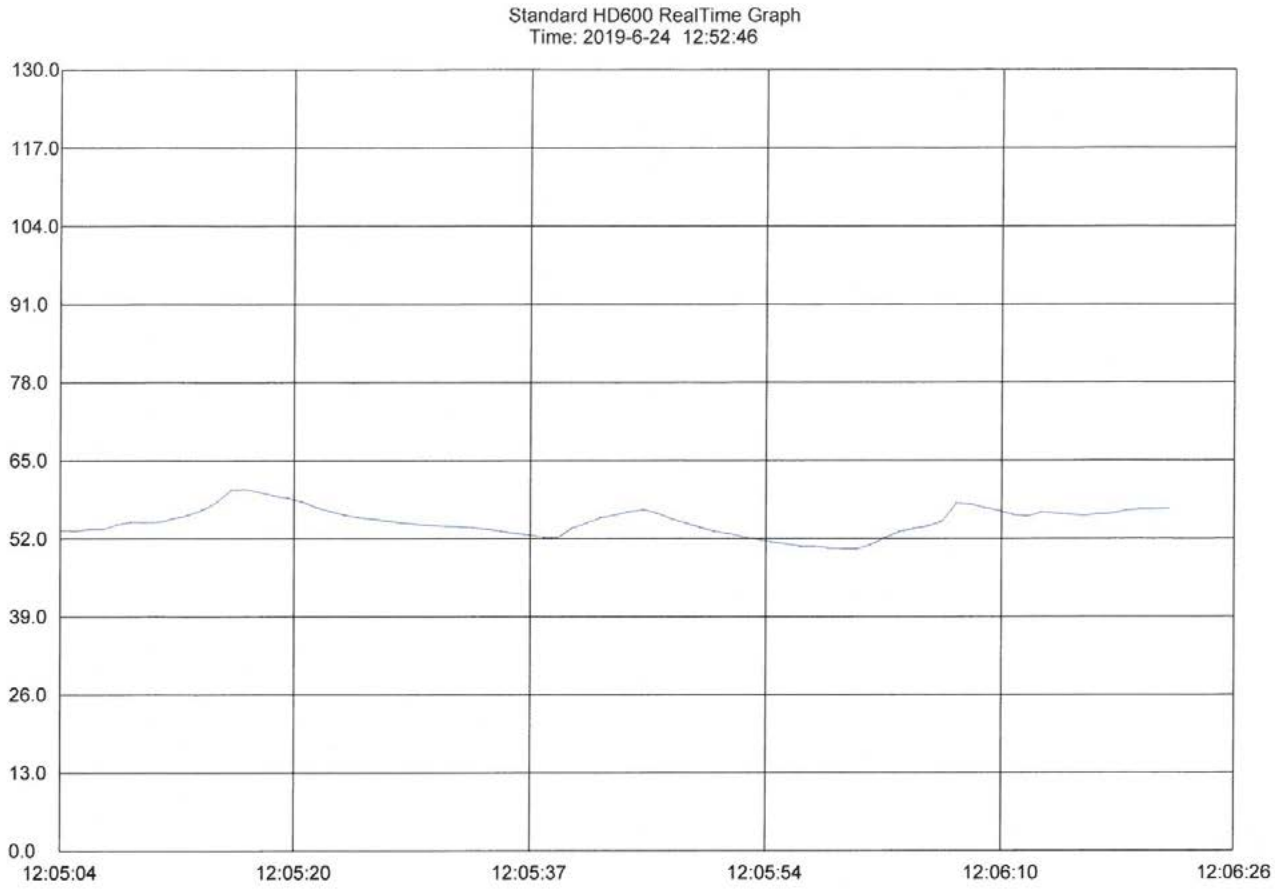

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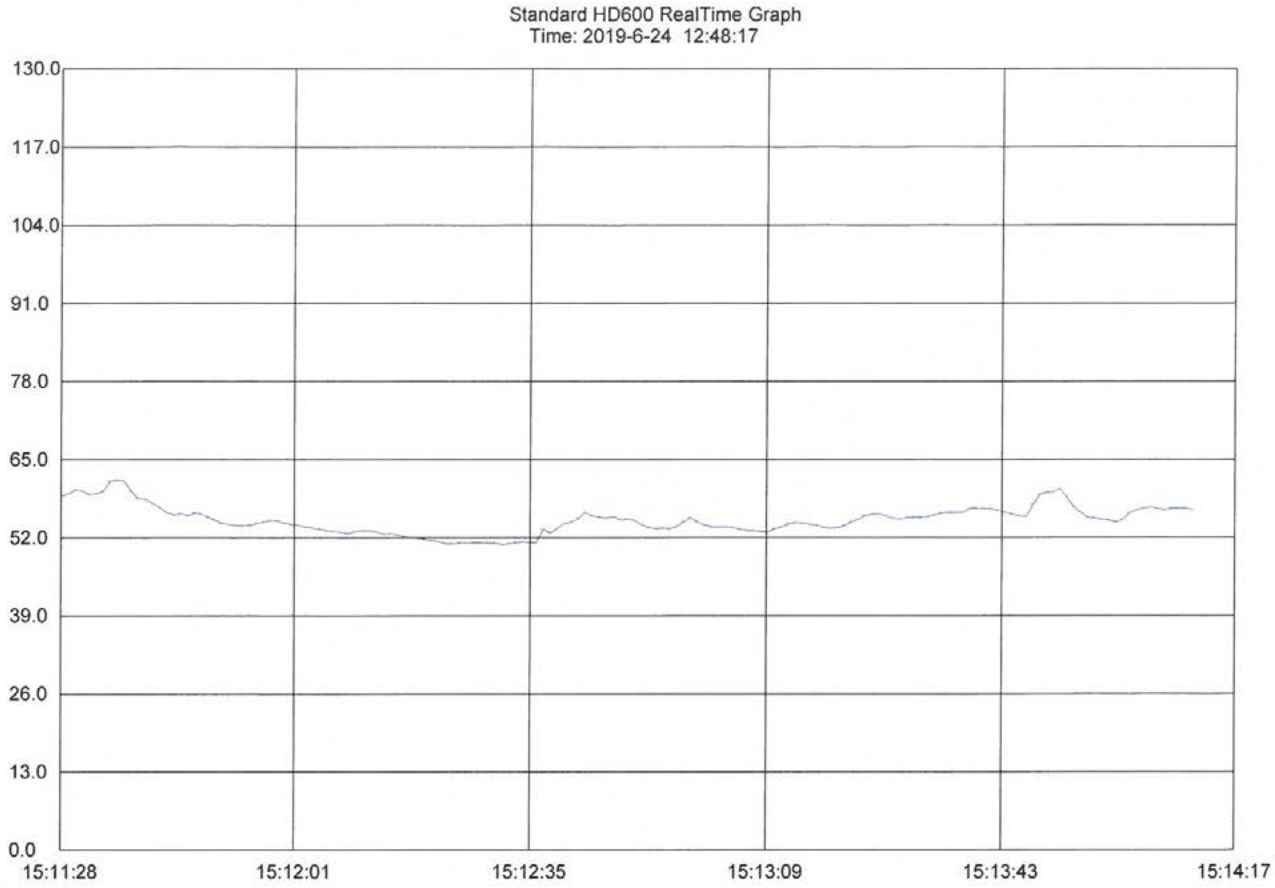
Average: 54.86



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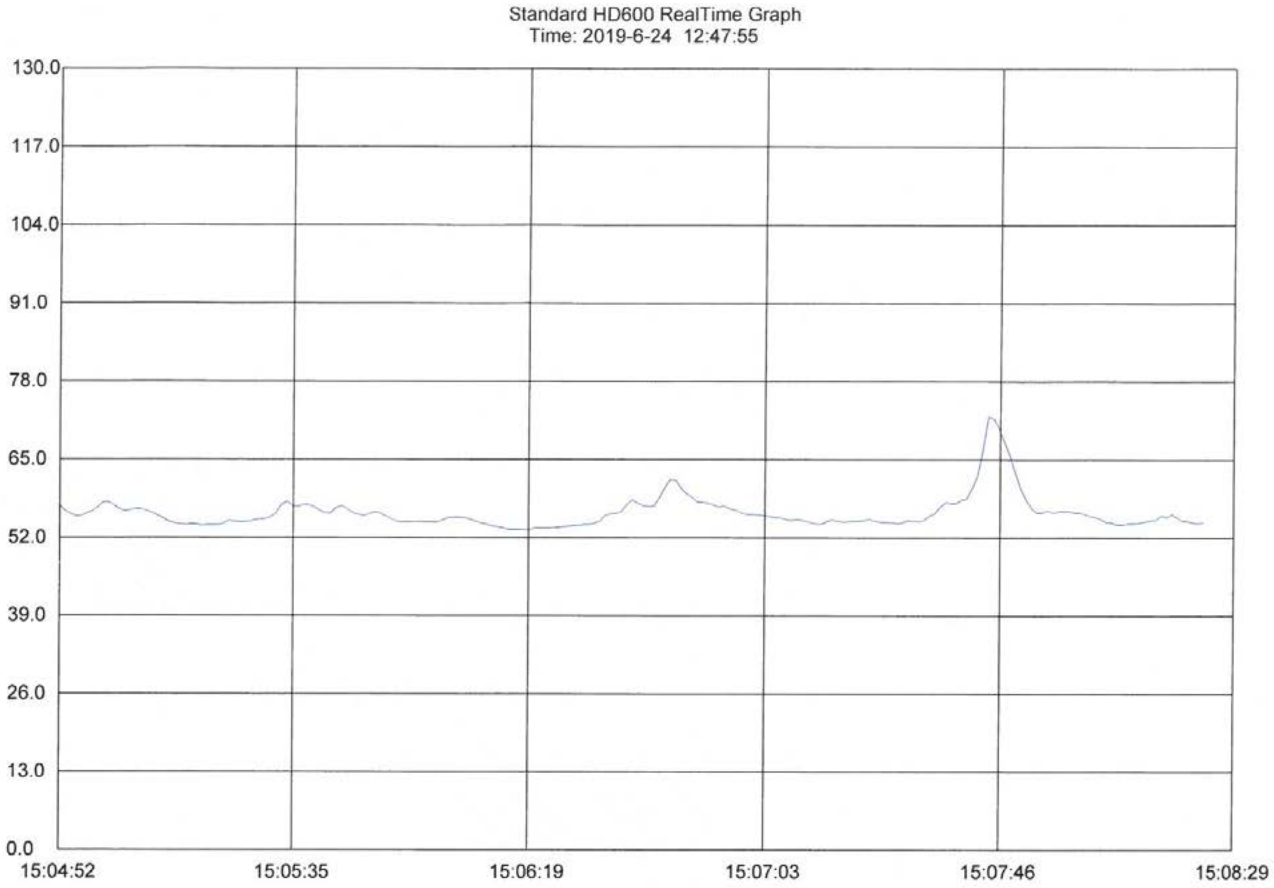

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Minnum: 53.30 22-06-2019,15:06:18
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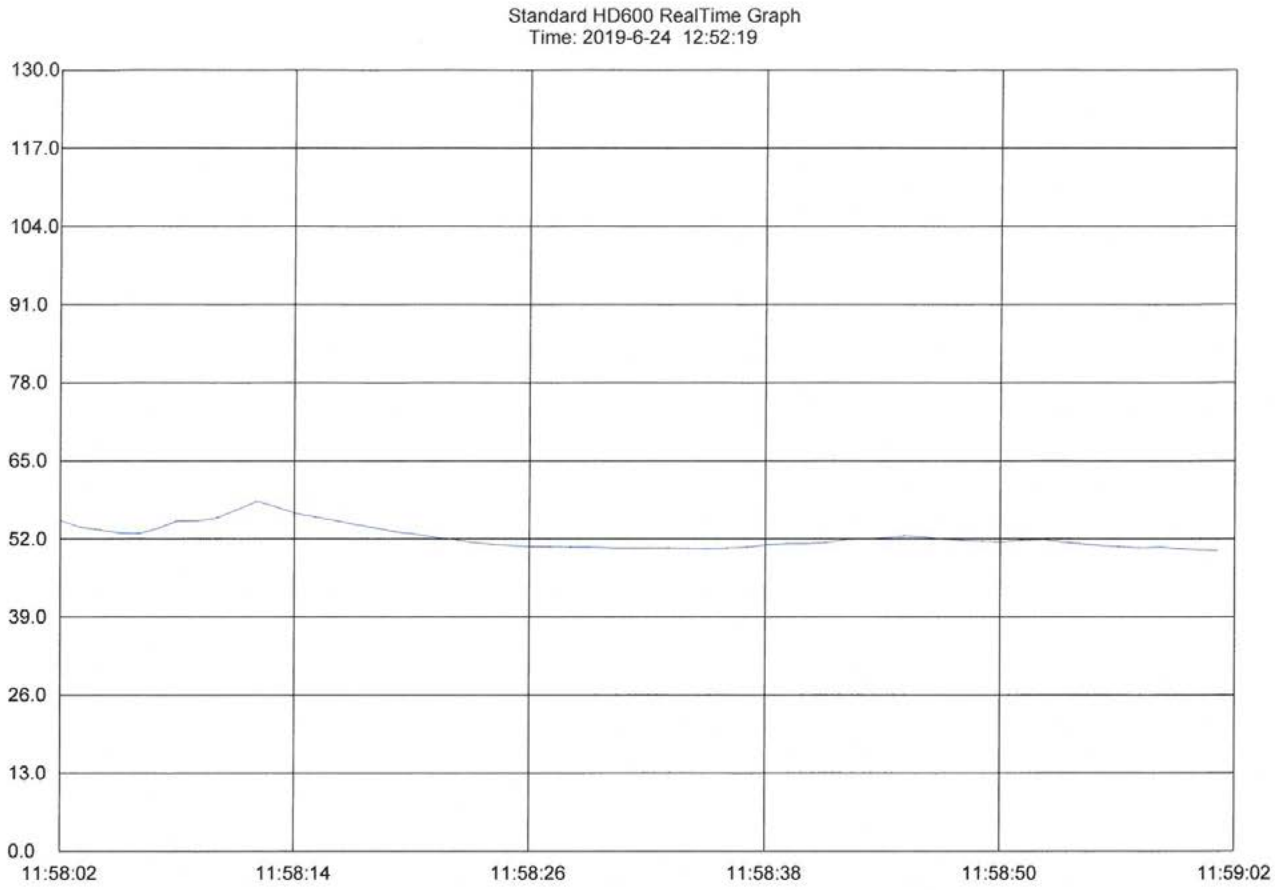
Average: 56.13



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Sample Rate: 1.00
Average: 52.29