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08 April 2025

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Dear Giles

The Coppice, Burbage – Continuous Gas Monitoring

A program of continuous gas monitoring was undertaken by GGS within two boreholes along the northern boundary, between 29 January 2025 and 26 February 2025, with gas monitoring undertaken at 90 minute intervals and atmospheric pressure and flow rates undertaken at 60 minute intervals, over this period. The factual report produced by GGS (ref: GGS3876DPP01, dated 21 March 2025) is attached to this letter.

Prior to installing the continuous gas monitoring devices, spot check gas monitoring was undertaken on 29 January 2025. The spot check monitoring recorded a carbon dioxide concentration of 1.6% in WS01 and 1.7% in WS02, with a steady flow rate of less than 0.1/hr in both boreholes. Oxygen concentrations were recorded as 2.1% in WS01 and 17.1% in WS02.

During the continuous gas monitoring, the maximum recorded concentration of carbon dioxide recorded was 9.0% in WS01 and 2.0% in WS02.

Concentrations of carbon dioxide gradually increased over the monitoring period within WS01, reaching the maximum concentration of 9.0% on 19 February 2025 at 03:27, remaining at 9% until 07:56 on 19 February 2025, with the following monitoring periods recording a fluctuation in concentrations ranging between 6.1% and 8.8%.

The maximum carbon dioxide concentration of 2.0% was recorded in WS02 on two occasions, once on 24 February 2025 at 14:16, with the second occasion occurring at 12:46 on 25 February. In general, carbon dioxide concentrations ranged between 0.9% and 1.6% in WS02 over the monitoring period.

The concentrations of ground gases recorded are not considered to be associated with landfill gas and are in line with typical soil gases.

Flow rates within both WS01 and WS02 are largely recorded at less than 0.01l/hr, with a maximum flow rate of 0.07l/hr recorded within WS01 and 0.00l/hr in WS02.

Over the monitoring period variable atmospheric pressures were recorded. The atmospheric pressures recorded are generally considered to be high and relatively stable. No rapid pressure falls were recorded; however, these were approached, with the maximum 8 hours average rate of fall recorded as 0.98mbar, slightly below the worst case average fall of 1.11mbar. As shown within the GGS results, the gas regime did not respond considerably to falling pressures.

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08 April 2025

Based on the differing concentrations of carbon dioxide recorded in WS01 and WS02, and negligible flow rates, ground gases are very unlikely to migrate from the generation source, with the gas behaviour typical of soil gas processes and not landfill gas.

As the results show there is no evidence of migratory behaviour, it is very unlikely that the concentrations of carbon dioxide encountered within WS01 will migrate to on and off site receptors, therefore, the gas venting trench is not considered necessary.

Although concentrations of carbon dioxide are largely above 5% in WS01, the negligible flow rate (<0.01l/hr) would give the site a characteristic situation of 1 (CS1). Given that it is very unlikely that carbon dioxide produced within the vicinity of WS01 will migrate to on site receptors, gas protection measures, such as a gas membrane, are not considered necessary for much of the proposed development. Nevertheless, it is recommended that a ground gas membrane is installed within plot 4, as a conservative approach to ensure that any future purchasers or lenders can have a secondary degree of comfort regarding the mitigation measures taken as this plot is within close proximity to WS01.

With kind regards

Yours sincerely



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DataPack[®]Plus

Understanding the hazards and risks at your site

GG3876 The Coppice, Burbage, Hinckley

Ref: GG3876DPP01

Issue: Final

Date: March 2025

Document Control Page

Client	Springbourne Homes Ltd Bosworth Marina, Carlton Rd, Market Bosworth, Nuneaton CV13 6PG
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Report Ref	GGs3876DPP01
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FOREWORD

This report has been prepared based on information made available to Ground-Gas Solutions, trading as GGS, at the time of the reporting using all reasonable skill, care and diligence and within the limitations of the scope of works agreed with, and resources provided by, the client.

GGGS has relied on information provided by others and has prepared this report on the basis of this information being accurate.

The report and recommendations therein are provided based on information available to GGS at the time of preparing the report and completed to recognised UK guidance and legislation. GGS will not accept any liability for inaccurate or incomplete information provided to GGS or any liability arising from the future change of any such guidance or legislation.

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Gas Clam® Specifications & Overview

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1 Introduction

GGG Limited has been commissioned by Springbourne Homes Ltd to provide ground gas monitoring and consultancy services at The Coppice, Burbage, Hinckley (the Site), and prepare a DataPack®Plus report, containing the following information:

- Methodologies.
- Periodic monitoring results.
- Continuous ground gas monitoring data and graphs.
- Atmospheric pressure trend analysis.
- Technical commentary.
- Calibration certificates.

1.1 Scope of works

The scope of the works is set out below:

- A GGS site visit on 29th January 2025 to undertake periodic monitoring of 2 No. monitoring well locations and deploy 2 No. continuous ground gas monitoring instruments within monitoring well locations.
- A GGS site visit on 26th February 2025 to collect 2 No. continuous ground gas monitoring instruments.
- Provision of a GGS DataPack® Plus report.

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1.2 Site context

Table 1.1 below provides a brief site description and overview. Site and monitoring location plans are presented in Appendix A, whilst selected GGS site photographs are presented in Appendix B.

Table 1.1 Site description

Description	Details
Address	The Coppice, Burbage, Hinckley
Postcode	LE10 2TF
National Grid Reference (approximate centre of site)	SP 44070 93885
Overview	The site comprises a residential development. A previous site investigation undertaken in 2015 recorded carbon dioxide up to 5.3% v/v within boreholes close to the northern boundary. As a result, a gas membrane installation was recommended on the four northern plots, as well as a gas venting trench along the common boundary between the site and an existing residential dwelling. The local authority approved this plan. Works since have ascertained that a gas venting trench would be difficult to implement. A period of continuous ground gas monitoring has been proposed to inform a robust update of the gCSM/risk assessment.

2 Methodology

2.1 Periodic monitoring of well locations

GGs undertook periodic ground gas monitoring of 2 No. monitoring well locations, prior to the deployment of the continuous monitoring instruments. Concentrations of standard ground gases (methane, carbon dioxide, oxygen, carbon monoxide, and hydrogen sulphide), and flow, were recorded until steady state conditions were observed, or up to a maximum of 10 minutes.

GGs also recorded depth to groundwater and depth to base of the monitoring well using a geotechnical dip meter. Monitoring data was recorded on individual proforma records, along with all pertinent observations. Figure 1 below presents a selected GGs site photograph taken during periodic monitoring.



Figure 1 GGs undertaking periodic monitoring of wells on site.

A summary of the periodic monitoring records is presented in Section 3.1, whilst the full periodic monitoring records are presented in Appendix C.

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2.2 Continuous ground gas monitoring

2.2.1 Definition

When the frequency of sampling matches, or is greater than, the frequency of a parameter change, the data collected can be termed 'continuous'. A continuous data set will therefore capture the full range of variation in the parameter being recorded.

2.2.2 Benefits of continuous data

The collection of time series data of permanent gases and other environmental parameters provides a wealth of information significantly assisting the assessor to identify the dominant processes of gas generation and migration. This leads to a more detailed understanding of the ground-gas regime and allows for an accurate and truly site-specific risk assessment to be completed.

2.2.3 Methodology

GGs deployed continuous ground gas monitoring instruments within 2 No. monitoring well locations for a 4-week period during January and February 2025. GGS deployed Gas Clam® continuous ground gas monitoring instruments to record standard ground gases (methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulphide), along with atmospheric pressure, atmospheric temperature, at a 90-minute monitoring frequency. GGS co-deployed each GasClam® with a Gas Flow® device to simultaneously record gas flow at a 60-minute monitoring frequency.

Figure 2 below presents selected site photographs of the continuous monitoring instruments deployed within monitoring wells and secured on site, whilst Table 2.1 details the continuous monitoring schedule.

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Figure 2 Selected GGS site photographs of the continuous monitoring instruments deployed and secured on site.

Table 2.1 Continuous monitoring schedule

Location ID	Instrument Serial No.	Dates monitored
WS01	GC 042/06/18 GF 03020002	29/01/2025 – 26/02/2025
WS02	GC 025/09/14 GF 03020001	29/01/2025 – 26/02/2025

GC denotes GasClam® continuous monitoring instrumentation used to record gas concentrations, whilst GF denotes GasFlow® device, used to record continuous gas flow.

Continuous monitoring graphs are presented in Section 3.2, whilst the raw data is presented in Appendix D. Calibration certificates for the instruments used are presented in Appendix E, whilst GasClam® overview & deployment information is presented in Appendix F.

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3 Results

3.1 Summary of periodic monitoring of well locations

Table 3.1 below presents a summary of the periodic monitoring completed by GGS. The full periodic monitoring records are presented in Appendix C.

Table 3.1 Periodic gas monitoring results and comment summary

Monitoring Location	Date	Max. Steady Positive Flow Rate (l/hr)	Max. CH ₄ (% v/v)	Max. CO ₂ (% v/v)	Min O ₂ (% v/v)	Max. CO (ppmv)	Max. H ₂ S (ppmv)	Response zone depth (mbgl)	Standing water level (mbgl)	Response zone flooded (Y/N)	Comments
WS01	29/01/2025	<0.1	<0.1	1.6	2.1	2	<1	1.00 – 4.50 Wolston Sand and Gravel	2.90	N	High balance gas.
WS02	29/01/2025	<0.1	<0.1	1.7	17.7	<1	<1	1.00 – 4.50 Made Ground/Bosworth Clay Member	1.88	N	Bung was open on arrival and closed 25 minutes before monitoring.

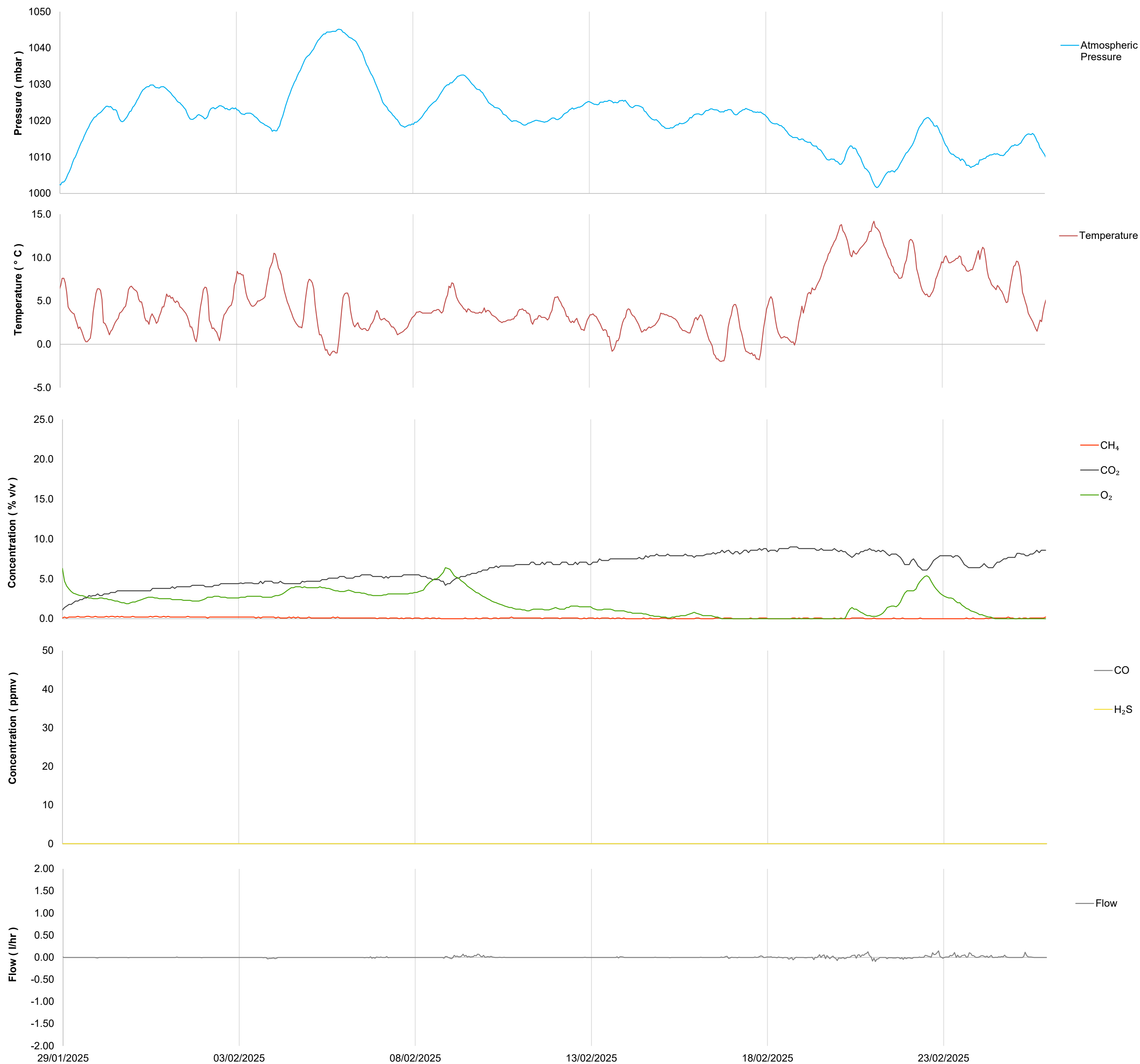
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3.2 Continuous Monitoring Results

GGG DataPack®Plus analysis involves converting raw data files from instruments into spreadsheets. The data is then plotted as time series data graphs, showing ground-gas concentrations, gas flow, atmospheric pressure and atmospheric temperature against time. The graphs also contain a minimum and maximum values table.

The time series graphs are presented on the following pages, whilst the raw time series data is presented in Appendix D.



Title:

WS01 - Time Series Graphs

Project:

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Client:

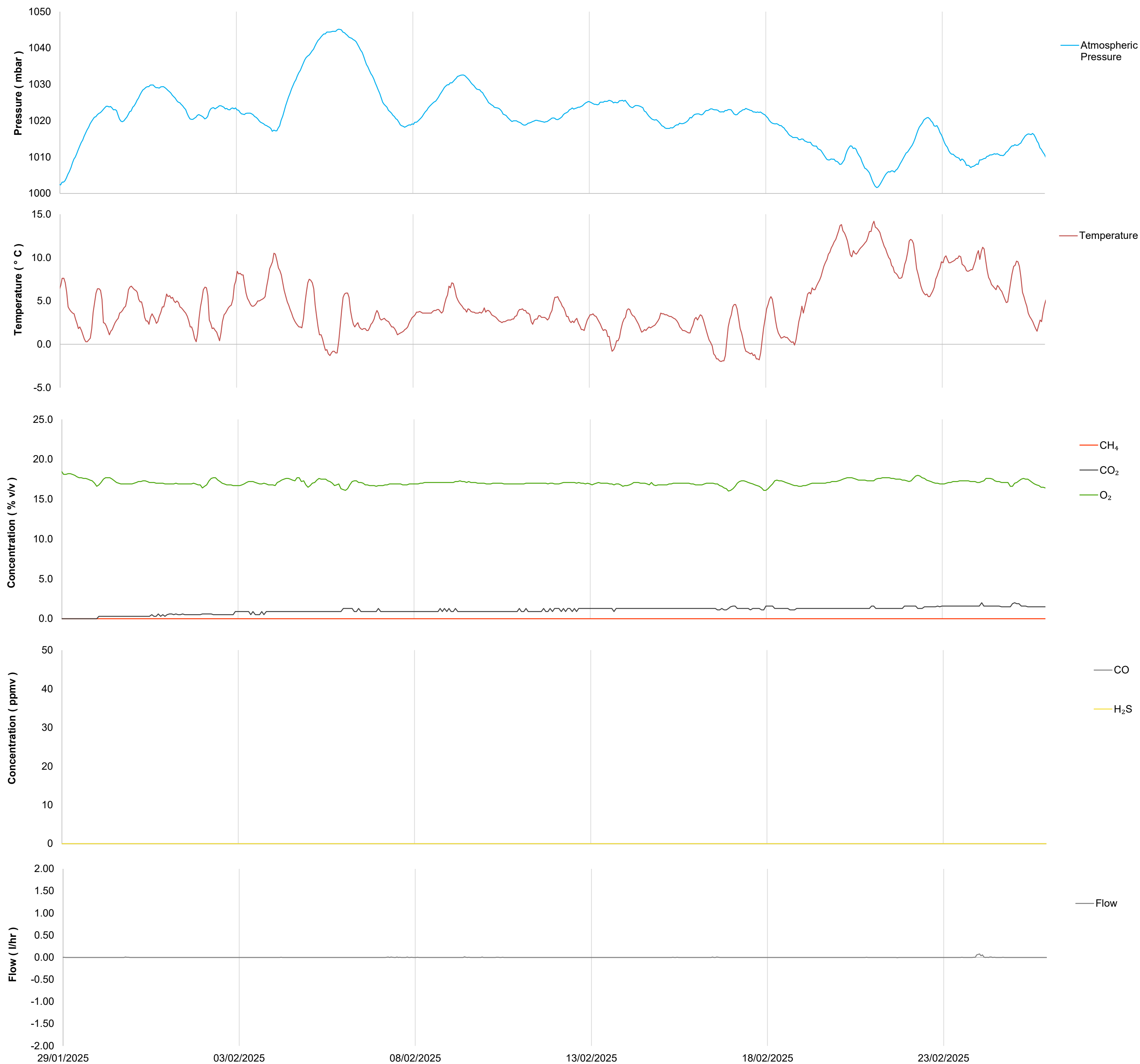
Springbourne Homes Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	<0.1	0.3
CO ₂ (% v/v)	1.1	9.0
O ₂ (% v/v)	<0.1	6.4
Hydrogen Sulphide (ppmv)	<1	<1
Carbon Monoxide (ppmv)	<1	<1
Atmospheric Pressure (mbar)	1001.6	1045.2
Temperature (° C)	-2.0	14.2
Flow (l/hr)	-0.09	0.15

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Title:
WS02 - Time Series Graphs

Project:
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Client:
Springbourne Homes Ltd.

Minimum / Maximum Table		
Parameter	Minimum	Maximum
CH ₄ (% v/v)	<0.1	<0.1
CO ₂ (% v/v)	<0.1	2.0
O ₂ (% v/v)	16.0	18.5
Hydrogen Sulphide (ppmv)	<1	<1
Carbon Monoxide (ppmv)	<1	<1
Atmospheric Pressure (mbar)	1001.6	1045.2
Temperature (° C)	-2.0	14.2
Flow (l/hr)	-0.01	0.08

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3.3 Atmospheric pressure analysis

Atmospheric pressure is often a dominant ground-gas driver and as such, monitoring should include sampling during falling and rising pressure events. Specifically, it is the rate of a pressure fall and the duration of the fall that are the two factors considered most important.

To capture potential 'worst case' conditions with respect to falling atmospheric pressure, monitoring should include both short and longer duration falling pressure events at a rate of 1.11 millibars per hour and above¹. This is calculated as an average fall over an 8-hour reference period. The rate of change in atmospheric pressure over an 8-hour reference period is presented in Figure 3 on the following page/s.

For weather forecasting in the UK, The Meteorological Office² records falling pressure tendency over a 3-hour period, whereby every hour the change in atmospheric pressure over the proceeding 3 hours is noted as being:

- Stable <0.1 millibars
- Falling (or rising) slowly >0.1 millibars
- Falling (or rising) >1.6 millibars
- Falling (or rising) rapidly >3.6 millibars
- Falling (or rising) very rapidly >6 millibars

Similarly, The British Coal Technical Department³ considered a sharp fall in pressure to be between 4 and 8 millibars over a 3-hour period. GGS has used the time series data to reference a 3-hour tendency throughout the continuous monitoring period using the Met Office criteria listed above. A time series graph of the 3-hour pressure tendency is also presented in Figure 3 on the following page/s, which provides time reference/occurrences to atmospheric pressure falling, falling rapidly and/or falling very rapidly.

¹ Brunton A., Atmospheric Pressure and a Simplified Approach to Determine Worst-Case Conditions for Ground Gas Monitoring in the UK, 2024, Ground Gas Solutions Limited, <https://ggs-uk.com/>

² https://www.metoffice.gov.uk/binaries/content/assets/metofficegovuk/pdf/research/library-and-archive/library/publications/factsheets/factsheet_8-shipping-forecast.pdf

³ British Coal Technical Department. 1990. Hazardous Gases Underground: Notes for Guidance NG/9. British Coal Technical Department.

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The standard mean sea level pressure (MSLP) in the UK is defined as 1013.25 millibars⁴, which provides a common value to compare atmospheric pressure across different locations and elevations. Atmospheric pressure above or below MSLP can therefore be considered either higher or lower than the average pressure for that geographical location. Atmospheric pressure can also be segmented into five distinct categories as follows⁵:

- Very high >1029 millibars
- High >1022 <1029 millibars
- Normal >1008 <1022 millibars
- Low >997 <1008 millibars
- Very low <997 millibars

With consideration to The Met Office pressure change criteria and trending, the percentage distribution of the atmospheric pressure regime during the continuous monitoring period is presented in Figure 4 on the following page. Although rising pressure will have a similar distribution to falling pressure, this is listed together.

For the purpose of atmospheric pressure analysis, GGS has obtained historical weather data which is based on reanalysis datasets. A combination of weather station, aircraft, buoy, radar and satellite observations are used to create a comprehensive record of past weather conditions. These datasets are able to provide detailed historical weather data for locations which may not have a local weather station and for locations that may have gaps in observational weather data. All the assessed atmospheric pressure data is relative to sea level pressure. Table 4.3 below summarises the atmospheric pressure regime during the monitoring period, with Figures 3 and 4 providing detailed analysis.

⁴ <https://www.metoffice.gov.uk/weather/learn-about/weather/how-weather-works/high-and-low-pressure>

⁵ Brunton A., Atmospheric Pressure and a Simplified Approach to Determine Worst-Case Conditions for Ground Gas Monitoring in the UK, 2024, Ground Gas Solutions Limited, <https://ggs-uk.com/>

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Table 3.2 Atmospheric pressure regime

Atmospheric Pressure Analysis 29/01/25 – 26/02/25	
Range in atmospheric pressure (mbar)	1001.6 – 1045.2 (43.6 millibars)
Maximum average rate of fall over an 8-hour reference period	0.98 millibars per hour (07/02/2025 08:00 1032.3 mb - 07/02/2025 16:00 1024.5 mb)
Maximum change in pressure over a 3-hour period (pressure tendency)	3.4 millibars (07/02/25 12:00 1028.5 mb – 07/02/25 15:00 1025.1 mb)
Most significant atmospheric pressure fall greater than 8 hours	26.9 millibars over 44 hours (0.61 mbar/hour) (1045.1 06/02/25 10:00 – 1018.2 08/02/25 06:00)
% time low pressure (low pressure and falling)	6.1 (0.1%) Very low atmospheric pressure was not captured during the continuous monitoring period.

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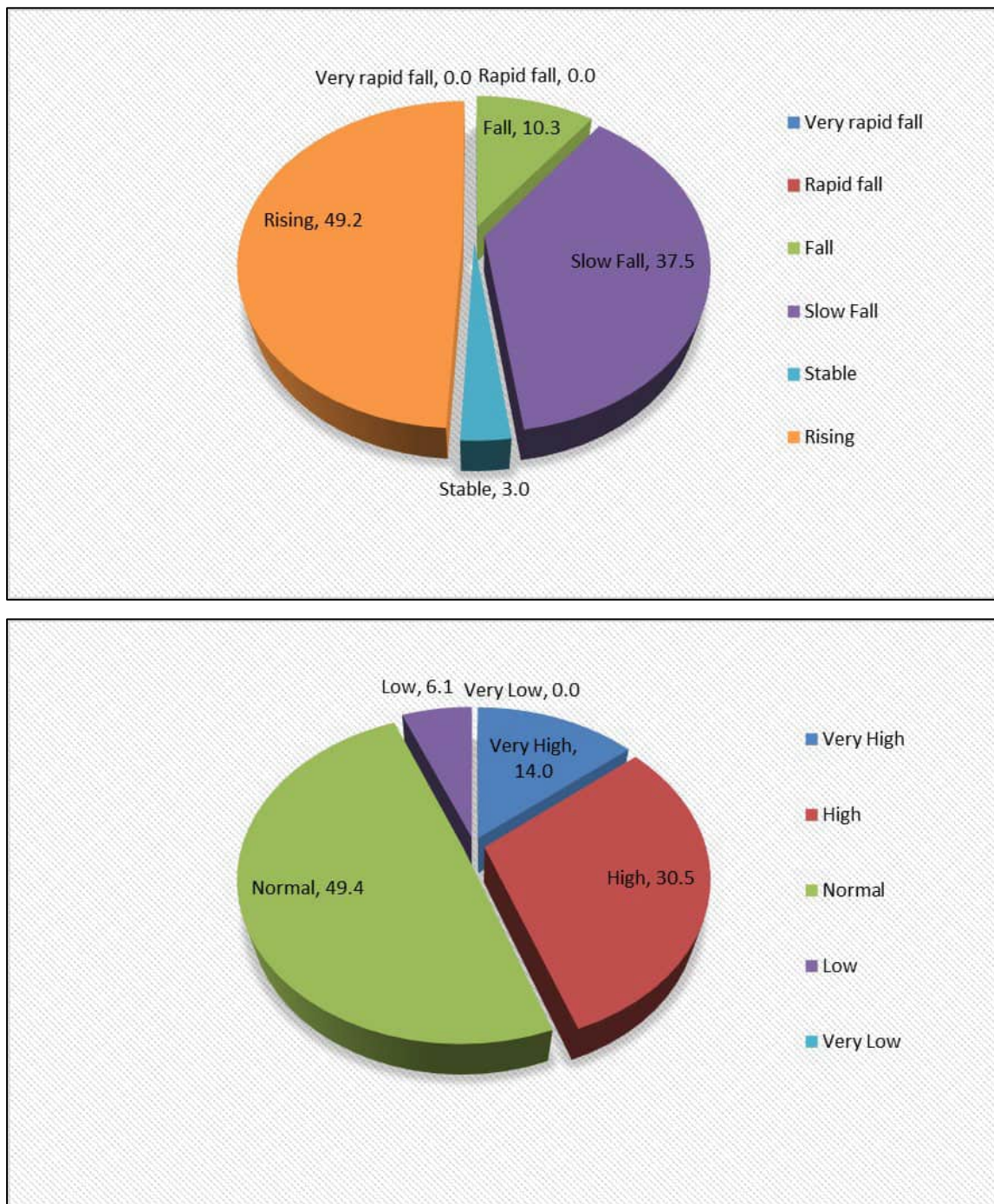


Figure 4 % distribution of 3-hour pressure tendency and low, normal and high pressure.

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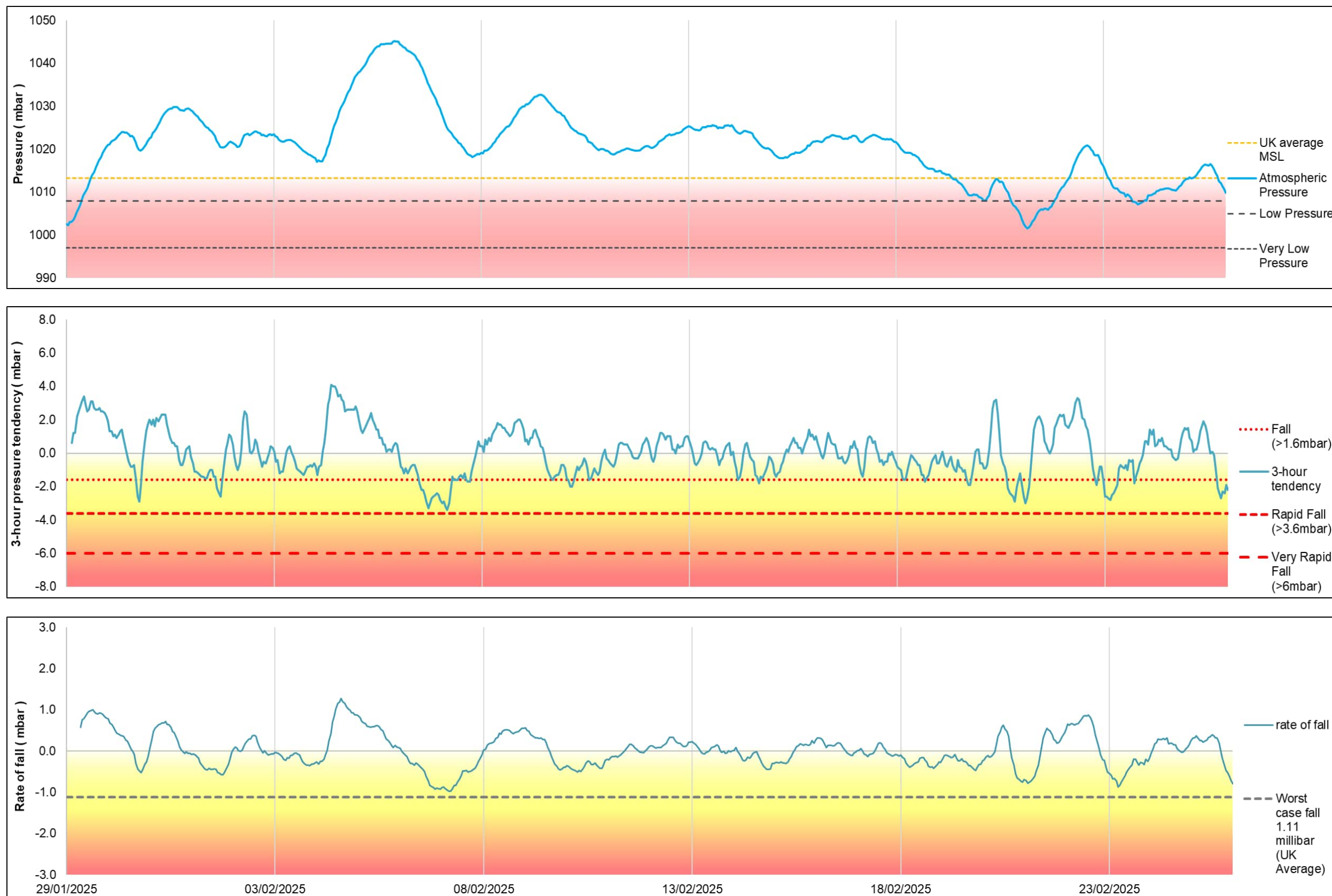


Figure 3 Atmospheric pressure presented with reference to standard UK mean sea level pressure (top), 3-hour pressure tendency (middle) and a maximum rate of fall averaged over an 8-hour reference period (bottom).

4 Technical Commentary

A short technical commentary of the lines of evidence gathered by GGS is presented below.

Periodic monitoring

During GGS periodic monitoring, steady state gas flow rates remained <0.1 l/hr and methane remained <0.1% v/v at both WS1 and WS2. Carbon dioxide concentrations were similar at WS1 and WS2, with maximum recorded concentrations of 1.6% v/v and 1.7% v/v respectively. High balance gas up to 96.3% was recorded at WS01.

Continuous monitoring

The time series data at WS01 and WS02 is typical of in source well locations, with carbon dioxide present at percentage levels throughout the monitoring period, and maximum recorded concentrations of 9.0% and 2.0 % v/v respectively. Low-level methane was detected up to 0.3% v/v at WS01, whilst concentrations remained below the limit of detection at WS02. There is no evidence to migratory processes and recorded gas behaviour is more typical of soil gas processes.

At WS01 there is evidence of water level change within the monitoring well, as the water proximity sensor of the instrument deployed at this location was triggered at 15:57 on 16th February. This provides evidence that the groundwater likely responds to rainfall and the monitoring well headspace may have temporarily been restricted to some degree during the continuous monitoring period.

Flow

Borehole flow remained negligible each monitoring location and there was no appreciable response to falling pressure. The negligible gas flow rates provide evidence to a low generation source.

Atmospheric pressure

Although variable atmospheric pressure was captured during the monitoring period, it was generally high and relatively stable. Despite rapid pressure falls or the 1.11 mbar worst-case average fall not being captured, they were approached, with a maximum 8-hour average rate of fall of 0.98mbar recorded. A more variable pressure regime would provide a higher

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confidence level that worst case conditions with respect to falling pressure can be assessed. However, additional monitoring data would unlikely change the assessment, as the gas regime did not appreciably respond to falling pressure.

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5 Instrumentation specifications

GGs instrumentation is maintained in accordance with the manufacturer recommendations and is serviced and calibrated annually. Note that for some instrumentation, cross sensitivity to other gases and significant environmental changes, such as temperature, pressure and humidity, should be taken into consideration when considering all site monitoring data.

The current calibration certificates and specification for all equipment used on site are presented in Appendix E.

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6 ISO Accreditation and Professional Insurances

GGs are accredited to the following international standards:

- ISO 9001:2015 (Quality Management System);
- ISO 14001:2015 (Environmental Management System), and;
- ISO 45001: 2018 (Occupational Health and Safety Management System).

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7 Limitations

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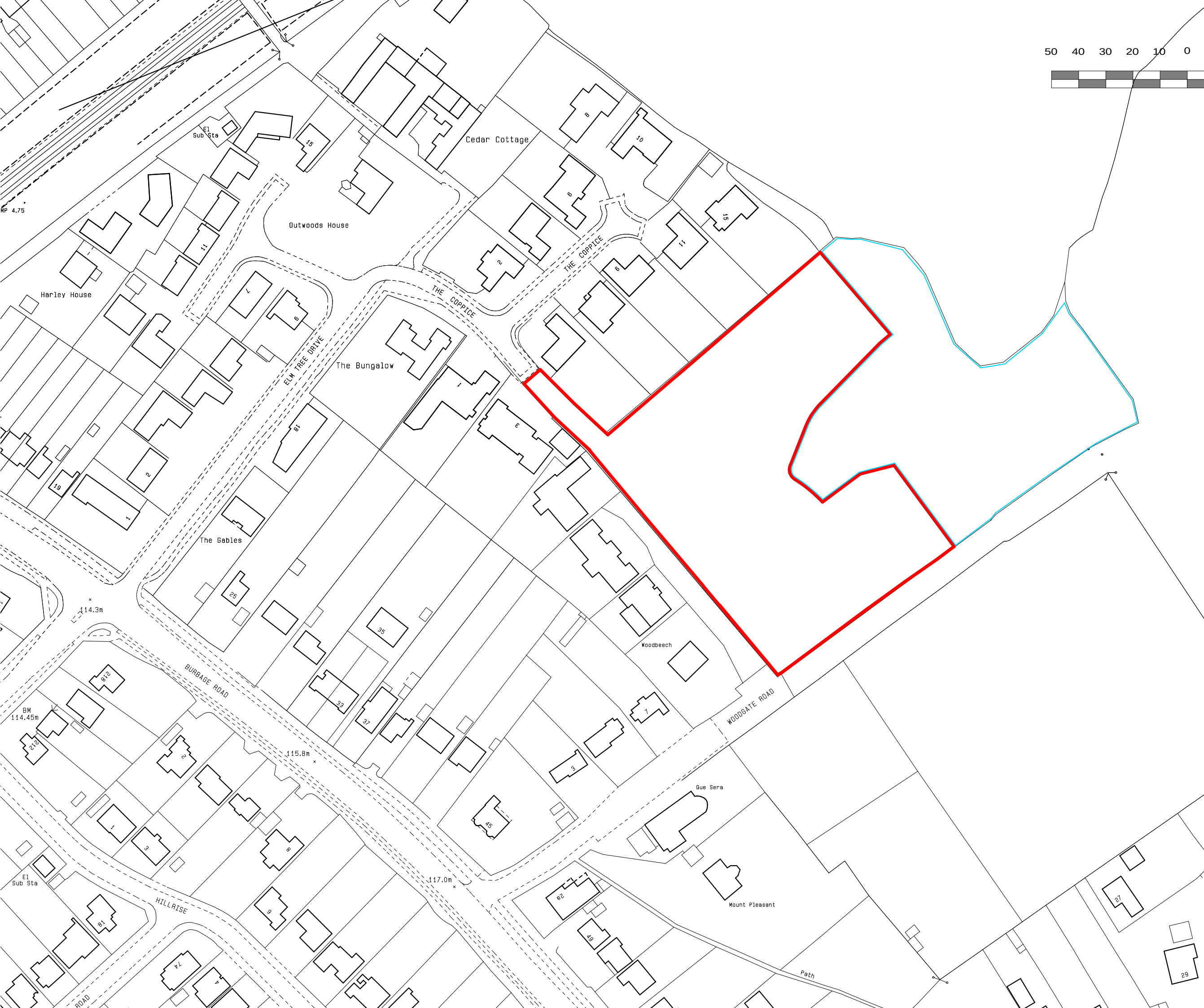
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Appendix A

Site & Monitoring Location Plan



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client		
Springbourne Homes Ltd		
project		
proposed housing land off The Coppice Burbage		
drawing		
location plan		
scale		
1 : 1250		
date	author	sheet
Jan 2020	JRH	A3
job No	drawing No	
12/71	35	

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TITLE: Monitoring Location Plan

PROJECT: GGS3876 The Coppice, Burbage, Hinckley

DRAWING REF: GGS3876_MLP01

Key:

-  Approximate Site Boundary
-  Continuous Monitoring Location

Rev.	Date	Dwn.	Description	App'd
0	05/02/2025	DC	FINAL	DN

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Appendix B
GGs Site Photographs

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1. General site photograph.



2. Periodic monitoring of a monitoring well.



3. Deployment of instrument on site.



4. Instrument deployed on site, within waterproof bag.



5. Instruments deployed on site within raised headworks.



6. Overview of the southern area of the site, showing the dirt mound that divides the site.

Appendix C

Periodic Monitoring Records



Experts in Continuous Monitoring

PROJECT DETAILS		
Project ID	GGS3876	
Site	The Coppice, Burbage, Hinckley	
Date	29/01/2025	
Weather Conditions (from Met office app)	Temperature (°C)	Max 8 °C
	Wind (km/h)	11 km/h, With gusts up to 28 km/h.
	Precipitation	No precipitation
	Cloud cover	Okta 3
	Atmospheric Pressure trend	1003 mbar, stable. Rising in PM.
Overall Site Ground Conditions	Flat grassland, with shrubbery around the edge of the site. The site is divided by a large mound of dirt, created during an archaeological dig. 2.5 metres of made ground, on a former landfill site.	
Site Notes/H&S Notes	No activity onsite. No welfare onsite. Parking available inside the gate.	

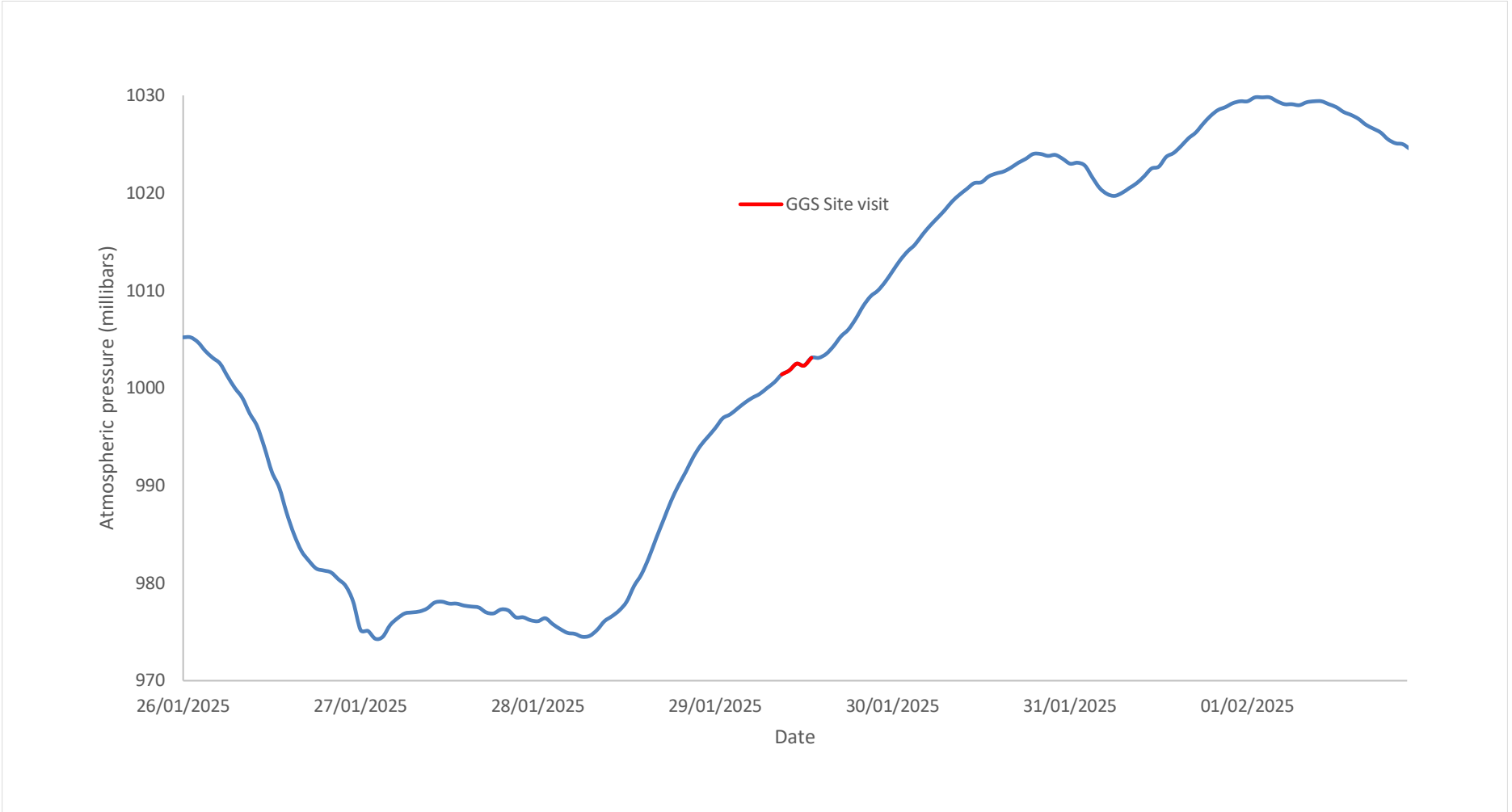


Figure 1. GGS site visit in relation to atmospheric pressure regime



Site Name	The Coppice, Burbage, Hinckley
Project ID	GG53876
GGS Staff	DC
Monitoring Date	29/01/2025
Monitoring Start Time	10:15

Borehole Details	
Borehole ID	WS01
W3W	owls.soda.cowboy
Area surrounding borehole	Damp
Headworks Type	Raised
Rubber bung and valve in place?	Yes
Valve is clear and clean?	Yes
Standpipe Condition	Correct

BS8576 Visual Checks	
Concrete Cover	Present
Bentonite Seal	Not Visible
Gravel Fill	Not Visible

Borehole Measurements	
Groundwater Level (mbgl)	2.90
Depth to base (mbgl)	4.50

Pressure Readings	Start	End
Atmospheric Pressure (mb)	1003	1003

EQUIPMENT	
Model	Serial Number
GFM435	11023
Dip tape	N/A

Notes

Time	Gas Flow	Gas Readings					
(seconds)	Litres/hour	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	BAL	CO (ppmv)	H ₂ S (ppmv)
Fresh Air	<0.1	<0.1	0.1	20.5	79.4	<1	<1
Initial	<0.1	<0.1	1.2	18.6	80.2	2	<1
30	<0.1	<0.1	1.6	2.1	96.3	2	<1
60	<0.1	<0.1	1.6	2.1	96.3	1	<1
120	<0.1	<0.1	1.6	2.2	96.2	1	<1
180		<0.1	1.6	2.3	96.1	1	<1
240		<0.1	1.6	2.3	96.1	1	<1
300							
360							
420							
480							
540							
600							
Fresh Air	<0.1	<0.1	<0.1	20.4	79.6	<1	<1

STEADY STATE FINAL RESULTS							
Result	Flow (l/hr)	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	BAL	CO (ppmv)	H ₂ S (ppmv)
Steady state time (s)	30	30	30	180	180	60	30
Steady state value	<0.1	<0.1	1.6	2.3	96.1	1	<1
Peak Value (O ₂ Low)	<0.1	<0.1	1.6	2.1	96.3	2	<1



Site Name	The Coppice, Burbage, Hinckley
Project ID	GG53876
GGS Staff	DC
Monitoring Date	29/01/2025
Monitoring Start Time	10:25

Borehole Details	
Borehole ID	WS02
W3W	gaps.dare.broken
Area surrounding borehole	Damp
Headworks Type	Raised
Rubber bung and valve in place?	Yes
Valve is clear and clean?	Yes
Standpipe Condition	Correct

BS8576 Visual Checks	
Concrete Cover	Present
Bentonite Seal	Not Visible
Gravel Fill	Not Visible

Borehole Measurements	
Groundwater Level (mbgl)	1.88
Depth to base (mbgl)	4.40

Pressure Readings	Start	End
Atmospheric Pressure (mb)	1003	1003

EQUIPMENT	
Model	Serial Number
GFM435	11023
Dip tape	N/A

Notes
Bung open on arrival at 10:00, closed at 10:00. Soft at base of standpipe.

Time	Gas Flow	Gas Readings					
(seconds)	Litres/hour	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	BAL	CO (ppmv)	H ₂ S (ppmv)
Fresh Air	<0.1	<0.1	<0.1	20.5	79.5	<1	<1
Initial	<0.1	<0.1	0.6	19.6	79.8	<1	<1
30	<0.1	<0.1	1.6	17.7	80.7	<1	<1
60	<0.1	<0.1	1.7	17.7	80.6	<1	<1
120	<0.1	<0.1	1.7	17.7	80.6	<1	<1
180		<0.1	1.7	17.7	80.6	<1	<1
240							
300							
360							
420							
480							
540							
600							
Fresh Air	<0.1	<0.1	<0.1	20.4	79.6	<1	<1

STEADY STATE FINAL RESULTS							
Reult	Flow (l/hr)	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	BAL	CO (ppmv)	H ₂ S (ppmv)
Steady state time (s)	30	30	60	30	60	30	30
Steady state value	<0.1	<0.1	1.7	17.7	80.6	<1	<1
Peak Value (O ₂ Low)	<0.1	<0.1	1.7	17.7	80.7	<1	<1

KEY: <0.1= Below instrument limit of detection, NM = Not Measured, N/A = Not Applicable, %v/v = Percentage volume by volume, ppmv = parts per million by volume, mb = milibar, ltr/hr = litres per hour, mbgl = metres below ground level, OS = off scale of instrument

Appendix D

Time Series Data

Time Series Data

Project Ref:	GG3876
Project Name:	The Coppice, Burbage, Hinckley
Borehole ref:	WS01
Instrument Name and ID:	GC042/06/18 & GF03020002
Start Date:	29/01/2025 11:27
End Date:	26/02/2025 09:27
Days of monitoring:	28
Monitoring Frequency (minutes):	GC 90 mins, GF 60 mins
Total samples taken:	447



Experts in Continuous Monitoring

Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S
Minimum	<0.1	1.1	<0.1	<1	<1
Maximum	0.3	9.0	6.4	<1	<1
Range	0.3	7.9	6.4	<1	<1

Hourly Data	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	1001.6	-0.98	-0.09	-2.0
	1045.2	1.27	0.15	14.2
	43.6	2.25	0.24	16.2

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
29/01/2025 11:27	0.1	1.1	6.3	<1	<1
29/01/2025 12:57	0.2	1.4	4.7	<1	<1
29/01/2025 14:26	0.1	1.6	4.1	<1	<1
29/01/2025 15:57	0.2	1.8	3.7	<1	<1
29/01/2025 17:26	0.2	1.8	3.4	<1	<1
29/01/2025 18:57	0.2	2.0	3.2	<1	<1
29/01/2025 20:26	0.2	2.2	3.1	<1	<1
29/01/2025 21:57	0.3	2.2	3.0	<1	<1
29/01/2025 23:26	0.2	2.4	2.9	<1	<1
30/01/2025 00:57	0.2	2.4	2.9	<1	<1
30/01/2025 02:26	0.2	2.6	2.8	<1	<1
30/01/2025 03:57	0.3	2.6	2.7	<1	<1
30/01/2025 05:26	0.3	2.9	2.6	<1	<1
30/01/2025 06:57	0.2	2.8	2.6	<1	<1
30/01/2025 08:26	0.2	2.9	2.5	<1	<1
30/01/2025 09:57	0.3	2.9	2.5	<1	<1
30/01/2025 11:26	0.2	3.1	2.5	<1	<1
30/01/2025 12:57	0.2	2.9	2.6	<1	<1
30/01/2025 14:26	0.2	2.9	2.6	<1	<1
30/01/2025 15:57	0.2	3.1	2.5	<1	<1
30/01/2025 17:26	0.3	3.1	2.5	<1	<1
30/01/2025 18:57	0.2	3.1	2.4	<1	<1
30/01/2025 20:26	0.3	3.3	2.4	<1	<1
30/01/2025 21:57	0.3	3.3	2.3	<1	<1
30/01/2025 23:26	0.2	3.3	2.2	<1	<1
31/01/2025 00:57	0.3	3.5	2.2	<1	<1
31/01/2025 02:26	0.2	3.5	2.1	<1	<1
31/01/2025 03:57	0.3	3.5	2.0	<1	<1
31/01/2025 05:26	0.2	3.5	2.0	<1	<1
31/01/2025 06:57	0.2	3.5	1.9	<1	<1
31/01/2025 08:26	0.2	3.5	1.9	<1	<1
31/01/2025 09:57	0.2	3.5	2.0	<1	<1
31/01/2025 11:26	0.3	3.5	2.1	<1	<1
31/01/2025 12:57	0.2	3.5	2.1	<1	<1
31/01/2025 14:26	0.2	3.5	2.2	<1	<1
31/01/2025 15:57	0.2	3.5	2.3	<1	<1
31/01/2025 17:26	0.2	3.5	2.4	<1	<1
31/01/2025 18:57	0.2	3.5	2.5	<1	<1
31/01/2025 20:26	0.2	3.5	2.6	<1	<1
31/01/2025 21:57	0.2	3.5	2.7	<1	<1
31/01/2025 23:26	0.3	3.5	2.7	<1	<1
01/02/2025 00:57	0.2	3.8	2.7	<1	<1
01/02/2025 02:26	0.3	3.8	2.6	<1	<1
01/02/2025 03:57	0.3	3.8	2.6	<1	<1
01/02/2025 05:26	0.2	3.8	2.5	<1	<1
01/02/2025 06:57	0.2	3.8	2.5	<1	<1
01/02/2025 08:26	0.3	3.8	2.5	<1	<1
01/02/2025 09:57	0.2	3.8	2.5	<1	<1
01/02/2025 11:26	0.3	3.8	2.5	<1	<1
01/02/2025 12:57	0.2	3.8	2.5	<1	<1
01/02/2025 14:26	0.2	4.0	2.4	<1	<1
01/02/2025 15:57	0.2	3.8	2.4	<1	<1
01/02/2025 17:26	0.2	4.0	2.4	<1	<1
01/02/2025 18:57	0.2	4.0	2.4	<1	<1
01/02/2025 20:26	0.2	4.0	2.4	<1	<1
01/02/2025 21:57	0.2	4.0	2.3	<1	<1
01/02/2025 23:26	0.2	4.0	2.3	<1	<1
02/02/2025 00:57	0.3	4.0	2.3	<1	<1
02/02/2025 02:26	0.2	4.0	2.3	<1	<1
02/02/2025 03:57	0.2	4.2	2.2	<1	<1
02/02/2025 05:26	0.2	4.2	2.2	<1	<1

Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
29/01/2025 11:00	1002.5	N/A	0.02	6.3
29/01/2025 12:00	1002.3	N/A	<0.01	6.8
29/01/2025 13:00	1003.1	N/A	<0.01	7.6
29/01/2025 14:00	1003.1	N/A	<0.01	7.6
29/01/2025 15:00	1003.5	N/A	<0.01	7.1
29/01/2025 16:00	1004.3	N/A	<0.01	6.0
29/01/2025 17:00	1005.3	N/A	<0.01	4.3
29/01/2025 18:00	1006.0	N/A	<0.01	4.0
29/01/2025 19:00	1007.1	0.58	<0.01	3.8
29/01/2025 20:00	1008.4	0.76	<0.01	3.6
29/01/2025 21:00	1009.4	0.79	<0.01	3.5
29/01/2025 22:00	1010.0	0.86	<0.01	2.9
29/01/2025 23:00	1010.9	0.92	<0.01	2.4
30/01/2025 00:00	1012.0	0.96	<0.01	1.8
30/01/2025 01:00	1013.1	0.98	<0.01	2.0
30/01/2025 02:00	1014.0	1.00	<0.01	1.6
30/01/2025 03:00	1014.7	0.95	<0.01	1.1
30/01/2025 04:00	1015.7	0.91	<0.01	0.6
30/01/2025 05:00	1016.6	0.90	<0.01	0.3
30/01/2025 06:00	1017.4	0.92	<0.01	0.3
30/01/2025 07:00	1018.2	0.91	<0.01	0.5
30/01/2025 08:00	1019.1	0.89	<0.01	0.7
30/01/2025 09:00	1019.8	0.84	<0.01	1.8
30/01/2025 10:00	1020.4	0.80	-0.01	3.7
30/01/2025 11:00	1021.0	0.79	-0.01	4.8
30/01/2025 12:00	1021.1	0.67	<0.01	5.9
30/01/2025 13:00	1021.7	0.64	<0.01	6.4
30/01/2025 14:00	1022.0	0.58	<0.01	6.4
30/01/2025 15:00	1022.2	0.50	<0.01	6.2
30/01/2025 16:00	1022.6	0.44	<0.01	5.2
30/01/2025 17:00	1023.1	0.41	<0.01	2.5
30/01/2025 18:00	1023.5	0.39	<0.01	2.4
30/01/2025 19:00	1024.0	0.38	<0.01	2.1
30/01/2025 20:00	1024.0	0.36	<0.01	1.6
30/01/2025 21:00	1023.8	0.26	<0.01	1.1
30/01/2025 22:00	1023.9	0.24	<0.01	1.5
30/01/2025 23:00	1023.5	0.16	<0.01	1.7
31/01/2025 00:00	1023.0	0.05	0.00	2.1
31/01/2025 01:00	1023.1	0.00	0.00	2.5
31/01/2025 02:00	1022.8	-0.09	<0.01	2.8
31/01/2025 03:00	1021.6	-0.30	<0.01	3.0
31/01/2025 04:00	1020.5	-0.44	<0.01	3.6
31/01/2025 05:00	1019.9	-0.49	<0.01	3.7
31/01/2025 06:00	1019.7	-0.52	<0.01	3.9
31/01/2025 07:00	1020.0	-0.44	<0.01	4.2
31/01/2025 08:00	1020.5	-0.31	-0.01	4.4
31/01/2025 09:00	1021.0	-0.26	<0.01	5.2
31/01/2025 10:00	1021.7	-0.14	<0.01	6.3
31/01/2025 11:00	1022.5	0.11	<0.01	6.6
31/01/2025 12:00	1022.7	0.28	<0.01	6.7
31/01/2025 13:00	1023.7	0.48	<0.01	6.5
31/01/2025 14:00	1024.1	0.55	<0.01	6.3
31/01/2025 15:00	1024.8	0.60	<0.01	6.2
31/01/2025 16:00	1025.6	0.64	<0.01	6.0
31/01/2025 17:00	1026.2	0.65	<0.01	5.2
31/01/2025 18:00	1027.1	0.67	<0.01	4.9
31/01/2025 19:00	1027.9	0.68	<0.01	4.9
31/01/2025 20:00	1028.5	0.72	<0.01	4.1
31/01/2025 21:00	1028.8	0.64	<0.01	3.1
31/01/2025 22:00	1029.2	0.64	<0.01	2.7
31/01/2025 23:00	1029.4	0.58	<0.01	2.7

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
02/02/2025 06:57	0.2	4.2	2.2	<1	<1
02/02/2025 08:26	0.2	4.2	2.2	<1	<1
02/02/2025 09:57	0.2	4.2	2.3	<1	<1
02/02/2025 11:26	0.2	4.2	2.4	<1	<1
02/02/2025 12:57	0.2	4.0	2.5	<1	<1
02/02/2025 14:26	0.1	4.0	2.7	<1	<1
02/02/2025 15:57	0.2	4.0	2.7	<1	<1
02/02/2025 17:26	0.2	4.0	2.7	<1	<1
02/02/2025 18:57	0.2	4.2	2.8	<1	<1
02/02/2025 20:26	0.2	4.2	2.8	<1	<1
02/02/2025 21:57	0.2	4.2	2.8	<1	<1
02/02/2025 23:26	0.2	4.4	2.7	<1	<1
03/02/2025 00:57	0.2	4.4	2.7	<1	<1
03/02/2025 02:26	0.2	4.4	2.7	<1	<1
03/02/2025 03:57	0.2	4.4	2.6	<1	<1
03/02/2025 05:26	0.2	4.4	2.6	<1	<1
03/02/2025 06:57	0.2	4.4	2.6	<1	<1
03/02/2025 08:26	0.2	4.4	2.6	<1	<1
03/02/2025 09:57	0.2	4.4	2.6	<1	<1
03/02/2025 11:26	0.2	4.4	2.6	<1	<1
03/02/2025 12:57	0.2	4.5	2.7	<1	<1
03/02/2025 14:26	0.2	4.4	2.7	<1	<1
03/02/2025 15:57	0.2	4.5	2.7	<1	<1
03/02/2025 17:26	0.2	4.5	2.8	<1	<1
03/02/2025 18:57	0.2	4.5	2.8	<1	<1
03/02/2025 20:26	0.2	4.5	2.8	<1	<1
03/02/2025 21:57	0.2	4.4	2.8	<1	<1
03/02/2025 23:26	0.1	4.4	2.8	<1	<1
04/02/2025 00:57	0.2	4.4	2.8	<1	<1
04/02/2025 02:26	0.1	4.7	2.8	<1	<1
04/02/2025 03:57	0.2	4.4	2.7	<1	<1
04/02/2025 05:26	0.2	4.7	2.7	<1	<1
04/02/2025 06:57	0.2	4.7	2.7	<1	<1
04/02/2025 08:26	0.2	4.7	2.7	<1	<1
04/02/2025 09:57	0.2	4.7	2.7	<1	<1
04/02/2025 11:26	0.2	4.5	2.8	<1	<1
04/02/2025 12:57	0.1	4.5	2.9	<1	<1
04/02/2025 14:26	0.2	4.5	2.9	<1	<1
04/02/2025 15:57	0.1	4.7	3.0	<1	<1
04/02/2025 17:26	0.1	4.5	3.1	<1	<1
04/02/2025 18:57	0.1	4.4	3.3	<1	<1
04/02/2025 20:26	0.1	4.4	3.5	<1	<1
04/02/2025 21:57	0.2	4.4	3.7	<1	<1
04/02/2025 23:26	0.1	4.4	3.9	<1	<1
05/02/2025 00:57	0.2	4.4	3.9	<1	<1
05/02/2025 02:26	0.1	4.4	4.0	<1	<1
05/02/2025 03:57	0.2	4.4	4.0	<1	<1
05/02/2025 05:26	0.1	4.4	4.0	<1	<1
05/02/2025 06:57	0.1	4.7	3.9	<1	<1
05/02/2025 08:26	0.1	4.6	4.0	<1	<1
05/02/2025 09:57	0.1	4.7	3.9	<1	<1
05/02/2025 11:26	0.2	4.7	3.9	<1	<1
05/02/2025 12:57	0.1	4.7	3.9	<1	<1
05/02/2025 14:26	0.1	4.7	3.9	<1	<1
05/02/2025 15:57	0.1	4.7	3.9	<1	<1
05/02/2025 17:26	0.1	4.7	3.9	<1	<1
05/02/2025 18:57	0.1	4.7	4.0	<1	<1
05/02/2025 20:26	0.1	4.9	3.9	<1	<1
05/02/2025 21:57	0.1	4.9	3.9	<1	<1
05/02/2025 23:26	0.1	4.9	3.8	<1	<1
06/02/2025 00:57	0.1	5.1	3.8	<1	<1
06/02/2025 02:26	0.1	5.1	3.7	<1	<1
06/02/2025 03:57	0.2	5.1	3.6	<1	<1
06/02/2025 05:26	0.1	5.1	3.5	<1	<1
06/02/2025 06:57	0.2	5.1	3.5	<1	<1
06/02/2025 08:26	0.1	5.3	3.4	<1	<1
06/02/2025 09:57	0.1	5.3	3.4	<1	<1
06/02/2025 11:26	0.1	5.3	3.4	<1	<1
06/02/2025 12:57	0.1	5.1	3.5	<1	<1
06/02/2025 14:26	0.1	5.1	3.6	<1	<1
06/02/2025 15:57	0.1	5.1	3.5	<1	<1
06/02/2025 17:26	0.1	5.1	3.4	<1	<1
06/02/2025 18:57	0.1	5.3	3.3	<1	<1
06/02/2025 20:26	0.1	5.3	3.3	<1	<1
06/02/2025 21:57	0.1	5.3	3.3	<1	<1
06/02/2025 23:26	0.1	5.5	3.2	<1	<1
07/02/2025 00:57	0.1	5.5	3.2	<1	<1
07/02/2025 02:26	0.1	5.5	3.1	<1	<1
07/02/2025 03:57	0.1	5.5	3.0	<1	<1
07/02/2025 05:26	0.1	5.5	3.0	<1	<1
07/02/2025 06:57	0.1	5.3	2.9	<1	<1
07/02/2025 08:26	0.1	5.3	2.9	<1	<1
07/02/2025 09:57	<0.1	5.3	2.9	<1	<1
07/02/2025 11:26	0.1	5.3	2.9	<1	<1
07/02/2025 12:56	0.1	5.3	2.9	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
01/02/2025 00:00	1029.4	0.48	<0.01	2.3
01/02/2025 01:00	1029.8	0.45	<0.01	3.1
01/02/2025 02:00	1029.8	0.34	<0.01	3.5
01/02/2025 03:00	1029.8	0.24	<0.01	3.2
01/02/2025 04:00	1029.4	0.11	<0.01	2.9
01/02/2025 05:00	1029.1	0.04	<0.01	2.4
01/02/2025 06:00	1029.1	-0.01	<0.01	2.6
01/02/2025 07:00	1029.0	-0.05	<0.01	3.2
01/02/2025 08:00	1029.3	-0.01	0.00	3.7
01/02/2025 09:00	1029.4	-0.05	0.00	4.3
01/02/2025 10:00	1029.4	-0.05	<0.01	4.3
01/02/2025 11:00	1029.1	-0.09	<0.01	5.0
01/02/2025 12:00	1028.8	-0.08	<0.01	5.8
01/02/2025 13:00	1028.3	-0.10	<0.01	5.5
01/02/2025 14:00	1028.0	-0.14	<0.01	5.6
01/02/2025 15:00	1027.6	-0.18	<0.01	5.3
01/02/2025 16:00	1027.0	-0.29	<0.01	5.4
01/02/2025 17:00	1026.6	-0.35	0.01	5.0
01/02/2025 18:00	1026.2	-0.40	<0.01	4.8
01/02/2025 19:00	1025.5	-0.45	0.00	5.0
01/02/2025 20:00	1025.1	-0.46	<0.01	4.8
01/02/2025 21:00	1025.0	-0.41	<0.01	4.3
01/02/2025 22:00	1024.5	-0.44	<0.01	4.2
01/02/2025 23:00	1024.1	-0.44	<0.01	4.0
02/02/2025 00:00	1023.6	-0.42	<0.01	3.8
02/02/2025 01:00	1023.1	-0.44	<0.01	3.6
02/02/2025 02:00	1022.0	-0.53	<0.01	3.2
02/02/2025 03:00	1021.2	-0.54	<0.01	2.7
02/02/2025 04:00	1020.5	-0.57	<0.01	2.0
02/02/2025 05:00	1020.4	-0.58	<0.01	2.0
02/02/2025 06:00	1020.4	-0.51	<0.01	1.5
02/02/2025 07:00	1020.7	-0.42	0.00	0.7
02/02/2025 08:00	1021.0	-0.33	<0.01	0.3
02/02/2025 09:00	1021.5	-0.20	0.00	1.2
02/02/2025 10:00	1021.7	-0.04	-0.01	3.0
02/02/2025 11:00	1021.5	0.04	<0.01	4.3
02/02/2025 12:00	1021.3	0.10	<0.01	5.2
02/02/2025 13:00	1021.0	0.08	<0.01	6.3
02/02/2025 14:00	1020.5	0.01	<0.01	6.6
02/02/2025 15:00	1020.7	0.00	<0.01	6.5
02/02/2025 16:00	1021.2	0.03	<0.01	5.6
02/02/2025 17:00	1022.4	0.11	<0.01	2.8
02/02/2025 18:00	1023.2	0.19	<0.01	2.4
02/02/2025 19:00	1023.5	0.25	<0.01	1.8
02/02/2025 20:00	1023.6	0.29	<0.01	1.9
02/02/2025 21:00	1023.3	0.29	<0.01	1.6
02/02/2025 22:00	1023.5	0.38	<0.01	1.4
02/02/2025 23:00	1023.8	0.39	<0.01	0.9
03/02/2025 00:00	1024.1	0.36	<0.01	0.4
03/02/2025 01:00	1024.1	0.21	<0.01	1.3
03/02/2025 02:00	1023.9	0.09	<0.01	2.6
03/02/2025 03:00	1023.7	0.03	<0.01	3.4
03/02/2025 04:00	1023.3	-0.04	<0.01	3.6
03/02/2025 05:00	1023.4	0.01	<0.01	3.9
03/02/2025 06:00	1023.1	-0.05	<0.01	4.2
03/02/2025 07:00	1023.0	-0.10	0.00	4.4
03/02/2025 08:00	1023.4	-0.09	0.00	4.5
03/02/2025 09:00	1023.5	-0.07	<0.01	5.2
03/02/2025 10:00	1023.3	-0.08	<0.01	6.8
03/02/2025 11:00	1023.5	-0.03	<0.01	7.3
03/02/2025 12:00	1023.0	-0.04	<0.01	8.4
03/02/2025 13:00	1022.9	-0.06	<0.01	8.1
03/02/2025 14:00	1022.3	-0.10	0.00	8.2
03/02/2025 15:00	1021.9	-0.14	<0.01	8.0
03/02/2025 16:00	1021.8	-0.20	<0.01	8.0
03/02/2025 17:00	1021.7	-0.22	<0.01	6.9
03/02/2025 18:00	1022.0	-0.16	<0.01	5.9
03/02/2025 19:00	1022.1	-0.17	<0.01	5.3
03/02/2025 20:00	1022.1	-0.11	<0.01	5.0
03/02/2025 21:00	1022.1	-0.10	<0.01	4.6
03/02/2025 22:00	1021.9	-0.05	<0.01	4.4
03/02/2025 23:00	1021.6	-0.04	0.00	4.4
04/02/2025 00:00	1021.2	-0.07	<0.01	4.5
04/02/2025 01:00	1020.9	-0.10	<0.01	4.7
04/02/2025 02:00	1020.5	-0.19	<0.01	5.0
04/02/2025 03:00	1020.0	-0.26	<0.01	5.0
04/02/2025 04:00	1019.6	-0.31	-0.01	5.1
04/02/2025 05:00	1019.4	-0.34	-0.01	5.2
04/02/2025 06:00	1019.2	-0.34	-0.01	5.3
04/02/2025 07:00	1018.8	-0.35	-0.03	5.5
04/02/2025 08:00	1018.7	-0.31	-0.03	6.6
04/02/2025 09:00	1018.4	-0.31	-0.02	7.6
04/02/2025 10:00	1018.2	-0.29	-0.02	8.7
04/02/2025 11:00	1017.9	-0.26	-0.01	9.1
04/02/2025 12:00	1017.1	-0.31	-0.03	9.5

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
07/02/2025 14:27	0.1	5.1	3.0	<1	<1
07/02/2025 15:56	0.1	5.3	3.0	<1	<1
07/02/2025 17:27	<0.1	5.1	3.1	<1	<1
07/02/2025 18:56	0.1	5.3	3.1	<1	<1
07/02/2025 20:27	0.1	5.3	3.1	<1	<1
07/02/2025 21:56	0.1	5.3	3.1	<1	<1
07/02/2025 23:27	0.1	5.3	3.1	<1	<1
08/02/2025 00:56	<0.1	5.3	3.1	<1	<1
08/02/2025 02:27	0.1	5.3	3.1	<1	<1
08/02/2025 03:56	<0.1	5.5	3.1	<1	<1
08/02/2025 05:27	0.1	5.5	3.1	<1	<1
08/02/2025 06:56	0.1	5.5	3.1	<1	<1
08/02/2025 08:26	0.1	5.5	3.2	<1	<1
08/02/2025 09:57	<0.1	5.5	3.2	<1	<1
08/02/2025 11:26	0.1	5.5	3.3	<1	<1
08/02/2025 12:57	0.1	5.5	3.3	<1	<1
08/02/2025 14:26	0.1	5.5	3.4	<1	<1
08/02/2025 15:57	<0.1	5.3	3.5	<1	<1
08/02/2025 17:26	<0.1	5.3	3.6	<1	<1
08/02/2025 18:57	0.1	5.3	4.0	<1	<1
08/02/2025 20:26	0.1	5.1	4.3	<1	<1
08/02/2025 21:57	<0.1	5.1	4.6	<1	<1
08/02/2025 23:26	0.1	4.9	4.8	<1	<1
09/02/2025 00:57	0.1	4.9	5.0	<1	<1
09/02/2025 02:26	<0.1	4.9	5.0	<1	<1
09/02/2025 03:57	0.1	4.9	5.2	<1	<1
09/02/2025 05:26	<0.1	4.7	5.5	<1	<1
09/02/2025 06:57	<0.1	4.7	5.8	<1	<1
09/02/2025 08:26	<0.1	4.2	6.4	<1	<1
09/02/2025 09:57	<0.1	4.4	6.3	<1	<1
09/02/2025 11:26	<0.1	4.4	6.2	<1	<1
09/02/2025 12:57	<0.1	4.7	5.8	<1	<1
09/02/2025 14:26	<0.1	4.9	5.4	<1	<1
09/02/2025 15:57	<0.1	5.1	5.2	<1	<1
09/02/2025 17:26	<0.1	5.1	5.1	<1	<1
09/02/2025 18:57	<0.1	5.3	4.8	<1	<1
09/02/2025 20:26	<0.1	5.3	4.6	<1	<1
09/02/2025 21:57	0.1	5.3	4.4	<1	<1
09/02/2025 23:26	<0.1	5.5	4.1	<1	<1
10/02/2025 00:57	<0.1	5.5	3.9	<1	<1
10/02/2025 02:26	<0.1	5.7	3.7	<1	<1
10/02/2025 03:57	<0.1	5.7	3.5	<1	<1
10/02/2025 05:26	0.1	5.7	3.3	<1	<1
10/02/2025 06:57	<0.1	5.9	3.2	<1	<1
10/02/2025 08:26	<0.1	5.9	3.0	<1	<1
10/02/2025 09:57	0.1	6.1	2.8	<1	<1
10/02/2025 11:26	0.1	6.1	2.7	<1	<1
10/02/2025 12:57	0.1	6.1	2.5	<1	<1
10/02/2025 14:26	<0.1	6.4	2.4	<1	<1
10/02/2025 15:57	<0.1	6.4	2.2	<1	<1
10/02/2025 17:26	0.1	6.4	2.1	<1	<1
10/02/2025 18:57	0.1	6.6	2.0	<1	<1
10/02/2025 20:26	<0.1	6.4	1.9	<1	<1
10/02/2025 21:57	0.1	6.6	1.8	<1	<1
10/02/2025 23:26	0.1	6.6	1.7	<1	<1
11/02/2025 00:57	0.1	6.6	1.6	<1	<1
11/02/2025 02:26	0.1	6.6	1.5	<1	<1
11/02/2025 03:57	0.1	6.6	1.4	<1	<1
11/02/2025 05:26	0.2	6.6	1.4	<1	<1
11/02/2025 06:57	0.1	6.6	1.3	<1	<1
11/02/2025 08:26	0.1	6.8	1.2	<1	<1
11/02/2025 09:57	0.1	6.8	1.2	<1	<1
11/02/2025 11:26	0.1	6.8	1.2	<1	<1
11/02/2025 12:57	0.1	6.8	1.1	<1	<1
11/02/2025 14:26	0.1	6.8	1.1	<1	<1
11/02/2025 15:57	0.1	6.8	1.0	<1	<1
11/02/2025 17:26	0.1	6.8	1.0	<1	<1
11/02/2025 18:56	0.1	7.1	1.1	<1	<1
11/02/2025 20:27	0.1	7.1	1.2	<1	<1
11/02/2025 21:56	0.1	6.8	1.2	<1	<1
11/02/2025 23:27	0.1	6.8	1.2	<1	<1
12/02/2025 00:56	0.1	6.8	1.2	<1	<1
12/02/2025 02:27	<0.1	7.1	1.2	<1	<1
12/02/2025 03:56	0.1	6.8	1.1	<1	<1
12/02/2025 05:27	0.1	7.1	1.1	<1	<1
12/02/2025 06:56	0.1	7.1	1.1	<1	<1
12/02/2025 08:27	0.1	7.1	1.2	<1	<1
12/02/2025 09:56	0.1	6.8	1.3	<1	<1
12/02/2025 11:27	0.1	6.8	1.4	<1	<1
12/02/2025 12:56	0.1	6.8	1.3	<1	<1
12/02/2025 14:27	<0.1	6.8	1.2	<1	<1
12/02/2025 15:56	0.1	7.1	1.2	<1	<1
12/02/2025 17:27	0.1	7.1	1.2	<1	<1
12/02/2025 18:56	0.1	7.1	1.4	<1	<1
12/02/2025 20:27	0.1	6.8	1.4	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
04/02/2025 13:00	1017.4	-0.25	-0.02	10.5
04/02/2025 14:00	1017.2	-0.25	<0.01	10.4
04/02/2025 15:00	1017.2	-0.20	<0.01	9.6
04/02/2025 16:00	1018.0	-0.09	0.00	8.8
04/02/2025 17:00	1018.6	0.03	<0.01	8.5
04/02/2025 18:00	1020.1	0.24	0.00	8.0
04/02/2025 19:00	1021.3	0.42	<0.01	7.1
04/02/2025 20:00	1022.7	0.70	<0.01	6.2
04/02/2025 21:00	1024.1	0.84	<0.01	5.5
04/02/2025 22:00	1025.3	1.01	<0.01	4.9
04/02/2025 23:00	1026.5	1.16	<0.01	4.5
05/02/2025 00:00	1027.5	1.19	<0.01	4.0
05/02/2025 01:00	1028.8	1.27	<0.01	3.6
05/02/2025 02:00	1029.7	1.20	<0.01	3.1
05/02/2025 03:00	1030.6	1.16	<0.01	2.7
05/02/2025 04:00	1031.3	1.07	<0.01	2.4
05/02/2025 05:00	1032.3	1.03	<0.01	2.2
05/02/2025 06:00	1033.2	0.99	<0.01	2.0
05/02/2025 07:00	1033.9	0.93	<0.01	2.0
05/02/2025 08:00	1034.9	0.93	<0.01	1.9
05/02/2025 09:00	1035.8	0.88	<0.01	3.0
05/02/2025 10:00	1036.7	0.88	<0.01	4.7
05/02/2025 11:00	1037.4	0.85	<0.01	6.0
05/02/2025 12:00	1037.8	0.81	<0.01	7.1
05/02/2025 13:00	1038.1	0.72	<0.01	7.5
05/02/2025 14:00	1038.6	0.67	<0.01	7.4
05/02/2025 15:00	1039.2	0.66	<0.01	7.1
05/02/2025 16:00	1039.7	0.60	<0.01	6.4
05/02/2025 17:00	1040.5	0.59	<0.01	4.5
05/02/2025 18:00	1041.3	0.57	0.00	3.2
05/02/2025 19:00	1042.1	0.59	<0.01	2.0
05/02/2025 20:00	1042.5	0.59	<0.01	1.1
05/02/2025 21:00	1043.0	0.61	<0.01	1.1
05/02/2025 22:00	1043.5	0.61	<0.01	0.6
05/02/2025 23:00	1043.9	0.59	<0.01	-0.1
06/02/2025 00:00	1043.9	0.53	<0.01	-0.7
06/02/2025 01:00	1044.4	0.49	<0.01	-0.6
06/02/2025 02:00	1044.4	0.39	<0.01	-1.1
06/02/2025 03:00	1044.4	0.29	<0.01	-1.3
06/02/2025 04:00	1044.5	0.25	<0.01	-1.0
06/02/2025 05:00	1044.6	0.20	<0.01	-0.8
06/02/2025 06:00	1044.6	0.14	<0.01	-0.8
06/02/2025 07:00	1044.6	0.09	<0.01	-1.0
06/02/2025 08:00	1045.0	0.14	<0.01	-1.0
06/02/2025 09:00	1045.2	0.10	<0.01	0.4
06/02/2025 10:00	1045.1	0.09	0.00	2.1
06/02/2025 11:00	1045.0	0.07	0.00	3.9
06/02/2025 12:00	1044.4	-0.01	<0.01	5.4
06/02/2025 13:00	1044.2	-0.05	<0.01	5.8
06/02/2025 14:00	1043.8	-0.10	<0.01	5.9
06/02/2025 15:00	1043.5	-0.14	<0.01	5.9
06/02/2025 16:00	1043.0	-0.25	0.00	5.4
06/02/2025 17:00	1042.8	-0.30	<0.01	3.9
06/02/2025 18:00	1042.7	-0.30	<0.01	3.0
06/02/2025 19:00	1042.3	-0.34	<0.01	2.3
06/02/2025 20:00	1042.1	-0.29	<0.01	2.0
06/02/2025 21:00	1041.7	-0.31	<0.01	2.3
06/02/2025 22:00	1041.0	-0.35	<0.01	2.5
06/02/2025 23:00	1040.3	-0.40	<0.01	2.0
07/02/2025 00:00	1039.5	-0.44	0.00	1.8
07/02/2025 01:00	1038.8	-0.50	-0.01	1.7
07/02/2025 02:00	1037.8	-0.61	0.00	1.8
07/02/2025 03:00	1036.6	-0.71	0.00	1.8
07/02/2025 04:00	1035.5	-0.82	-0.01	1.6
07/02/2025 05:00	1034.8	-0.86	0.01	1.6
07/02/2025 06:00	1033.9	-0.89	-0.02	1.9
07/02/2025 07:00	1032.9	-0.92	0.00	2.3
07/02/2025 08:00	1032.3	-0.90	-0.02	2.5
07/02/2025 09:00	1031.5	-0.91	0.01	2.9
07/02/2025 10:00	1030.4	-0.92	0.00	3.5
07/02/2025 11:00	1029.5	-0.89	0.00	3.9
07/02/2025 12:00	1028.5	-0.88	0.01	3.6
07/02/2025 13:00	1027.5	-0.91	0.00	3.0
07/02/2025 14:00	1026.3	-0.95	0.00	2.8
07/02/2025 15:00	1025.1	-0.98	<0.01	2.9
07/02/2025 16:00	1024.5	-0.97	0.02	3.0
07/02/2025 17:00	1024.1	-0.93	-0.01	2.8
07/02/2025 18:00	1023.7	-0.84	<0.01	2.7
07/02/2025 19:00	1022.9	-0.83	<0.01	2.6
07/02/2025 20:00	1022.5	-0.75	<0.01	2.3
07/02/2025 21:00	1022.1	-0.67	0.00	2.0
07/02/2025 22:00	1021.5	-0.60	<0.01	2.0
07/02/2025 23:00	1021.2	-0.49	<0.01	1.8
08/02/2025 00:00	1020.6	-0.49	<0.01	1.5
08/02/2025 01:00	1020.3	-0.47	<0.01	1.1

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
12/02/2025 21:56	0.1	6.8	1.6	<1	<1
12/02/2025 23:27	0.1	6.8	1.6	<1	<1
13/02/2025 00:56	0.1	7.1	1.6	<1	<1
13/02/2025 02:27	0.1	6.8	1.6	<1	<1
13/02/2025 03:56	<0.1	7.1	1.5	<1	<1
13/02/2025 05:27	<0.1	7.1	1.5	<1	<1
13/02/2025 06:56	0.1	7.1	1.5	<1	<1
13/02/2025 08:27	<0.1	7.1	1.5	<1	<1
13/02/2025 09:56	0.1	6.8	1.5	<1	<1
13/02/2025 11:27	0.1	6.8	1.5	<1	<1
13/02/2025 12:56	0.1	7.1	1.3	<1	<1
13/02/2025 14:27	<0.1	7.1	1.2	<1	<1
13/02/2025 15:56	0.1	7.1	1.1	<1	<1
13/02/2025 17:27	<0.1	7.5	1.1	<1	<1
13/02/2025 18:56	0.1	7.3	1.1	<1	<1
13/02/2025 20:27	0.1	7.3	1.2	<1	<1
13/02/2025 21:56	0.1	7.3	1.2	<1	<1
13/02/2025 23:27	0.1	7.3	1.2	<1	<1
14/02/2025 00:56	<0.1	7.5	1.2	<1	<1
14/02/2025 02:27	0.1	7.5	1.1	<1	<1
14/02/2025 03:56	<0.1	7.5	1.0	<1	<1
14/02/2025 05:27	0.1	7.5	1.0	<1	<1
14/02/2025 06:56	0.1	7.5	1.0	<1	<1
14/02/2025 08:27	<0.1	7.5	1.0	<1	<1
14/02/2025 09:56	0.1	7.5	1.0	<1	<1
14/02/2025 11:27	<0.1	7.5	0.9	<1	<1
14/02/2025 12:56	<0.1	7.5	0.8	<1	<1
14/02/2025 14:27	<0.1	7.5	0.8	<1	<1
14/02/2025 15:56	<0.1	7.5	0.7	<1	<1
14/02/2025 17:27	<0.1	7.5	0.7	<1	<1
14/02/2025 18:56	<0.1	7.5	0.7	<1	<1
14/02/2025 20:27	<0.1	7.7	0.7	<1	<1
14/02/2025 21:56	<0.1	7.5	0.7	<1	<1
14/02/2025 23:27	0.1	7.5	0.6	<1	<1
15/02/2025 00:56	<0.1	7.9	0.6	<1	<1
15/02/2025 02:27	<0.1	7.7	0.5	<1	<1
15/02/2025 03:56	0.1	7.9	0.4	<1	<1
15/02/2025 05:27	<0.1	7.9	0.4	<1	<1
15/02/2025 06:56	<0.1	7.9	0.3	<1	<1
15/02/2025 08:27	<0.1	8.1	0.3	<1	<1
15/02/2025 09:56	<0.1	7.9	0.3	<1	<1
15/02/2025 11:27	0.1	7.9	0.2	<1	<1
15/02/2025 12:56	0.1	7.9	0.2	<1	<1
15/02/2025 14:27	0.1	7.9	0.2	<1	<1
15/02/2025 15:56	<0.1	8.1	0.1	<1	<1
15/02/2025 17:27	<0.1	7.9	0.1	<1	<1
15/02/2025 18:56	<0.1	7.9	0.2	<1	<1
15/02/2025 20:27	0.1	7.9	0.2	<1	<1
15/02/2025 21:56	<0.1	7.9	0.3	<1	<1
15/02/2025 23:27	<0.1	7.9	0.3	<1	<1
16/02/2025 00:56	<0.1	7.9	0.4	<1	<1
16/02/2025 02:27	<0.1	7.9	0.4	<1	<1
16/02/2025 03:56	<0.1	8.1	0.4	<1	<1
16/02/2025 05:27	<0.1	7.9	0.5	<1	<1
16/02/2025 06:56	<0.1	7.9	0.6	<1	<1
16/02/2025 08:27	<0.1	7.9	0.7	<1	<1
16/02/2025 09:56	<0.1	7.7	0.8	<1	<1
16/02/2025 11:26	0.1	7.9	0.7	<1	<1
16/02/2025 12:57	0.1	7.9	0.6	<1	<1
16/02/2025 14:26	<0.1	7.9	0.5	<1	<1
16/02/2025 15:57	<0.1	7.9	0.4	<1	<1
16/02/2025 18:27	<0.1	8.1	0.4	<1	<1
16/02/2025 19:56	<0.1	8.1	0.4	<1	<1
16/02/2025 21:27	<0.1	8.1	0.4	<1	<1
16/02/2025 22:56	<0.1	8.3	0.3	<1	<1
17/02/2025 00:27	0.1	8.1	0.2	<1	<1
17/02/2025 01:56	0.1	8.3	0.2	<1	<1
17/02/2025 03:27	0.1	8.3	0.1	<1	<1
17/02/2025 04:56	<0.1	8.6	<0.1	<1	<1
17/02/2025 06:27	0.1	8.3	<0.1	<1	<1
17/02/2025 07:56	0.1	8.5	<0.1	<1	<1
17/02/2025 09:27	0.1	8.6	<0.1	<1	<1
17/02/2025 10:56	0.1	8.3	<0.1	<1	<1
17/02/2025 12:27	<0.1	8.1	<0.1	<1	<1
17/02/2025 13:56	<0.1	8.4	<0.1	<1	<1
17/02/2025 15:27	<0.1	8.4	<0.1	<1	<1
17/02/2025 16:56	<0.1	8.1	<0.1	<1	<1
17/02/2025 18:27	<0.1	8.3	<0.1	<1	<1
17/02/2025 19:56	<0.1	8.6	<0.1	<1	<1
17/02/2025 21:27	<0.1	8.6	<0.1	<1	<1
17/02/2025 22:56	<0.1	8.3	<0.1	<1	<1
18/02/2025 00:27	0.1	8.6	<0.1	<1	<1
18/02/2025 01:56	<0.1	8.6	<0.1	<1	<1
18/02/2025 03:27	<0.1	8.6	<0.1	<1	<1
18/02/2025 04:56	<0.1	8.6	<0.1	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
08/02/2025 02:00	1019.6	-0.51	<0.01	1.2
08/02/2025 03:00	1018.9	-0.50	<0.01	1.3
08/02/2025 04:00	1018.6	-0.49	<0.01	1.4
08/02/2025 05:00	1018.5	-0.45	<0.01	1.5
08/02/2025 06:00	1018.2	-0.41	<0.01	1.7
08/02/2025 07:00	1018.4	-0.35	<0.01	1.8
08/02/2025 08:00	1018.7	-0.24	<0.01	2.0
08/02/2025 09:00	1018.9	-0.17	<0.01	2.5
08/02/2025 10:00	1018.8	-0.10	<0.01	2.8
08/02/2025 11:00	1019.1	0.03	<0.01	3.1
08/02/2025 12:00	1019.0	0.05	<0.01	3.2
08/02/2025 13:00	1019.6	0.14	<0.01	3.4
08/02/2025 14:00	1019.6	0.17	<0.01	3.7
08/02/2025 15:00	1019.9	0.19	<0.01	3.7
08/02/2025 16:00	1020.3	0.20	<0.01	3.8
08/02/2025 17:00	1020.7	0.23	<0.01	3.7
08/02/2025 18:00	1021.2	0.30	<0.01	3.6
08/02/2025 19:00	1021.8	0.34	<0.01	3.6
08/02/2025 20:00	1022.5	0.44	<0.01	3.6
08/02/2025 21:00	1022.9	0.41	<0.01	3.6
08/02/2025 22:00	1023.5	0.49	<0.01	3.6
08/02/2025 23:00	1024.0	0.51	<0.01	3.6
09/02/2025 00:00	1024.4	0.51	<0.01	3.6
09/02/2025 01:00	1024.8	0.51	<0.01	3.8
09/02/2025 02:00	1025.2	0.50	<0.01	3.9
09/02/2025 03:00	1025.4	0.45	<0.01	3.9
09/02/2025 04:00	1025.9	0.43	0.00	4.0
09/02/2025 05:00	1026.5	0.45	0.00	4.0
09/02/2025 06:00	1027.2	0.46	0.00	3.8
09/02/2025 07:00	1027.8	0.47	-0.02	3.6
09/02/2025 08:00	1028.5	0.51	0.02	3.8
09/02/2025 09:00	1029.2	0.55	0.02	4.6
09/02/2025 10:00	1029.6	0.55	<0.01	5.3
09/02/2025 11:00	1029.9	0.56	-0.01	5.7
09/02/2025 12:00	1029.9	0.50	-0.03	6.7
09/02/2025 13:00	1030.4	0.49	-0.01	6.5
09/02/2025 14:00	1030.4	0.40	0.04	7.1
09/02/2025 15:00	1030.8	0.38	0.02	7.0
09/02/2025 16:00	1031.3	0.35	0.03	6.3
09/02/2025 17:00	1031.7	0.31	0.01	5.5
09/02/2025 18:00	1032.2	0.33	0.02	5.1
09/02/2025 19:00	1032.3	0.30	0.03	4.8
09/02/2025 20:00	1032.5	0.32	0.07	4.6
09/02/2025 21:00	1032.6	0.27	0.03	4.4
09/02/2025 22:00	1032.6	0.27	0.04	4.1
09/02/2025 23:00	1032.4	0.20	0.01	4.0
10/02/2025 00:00	1032.0	0.09	0.02	3.7
10/02/2025 01:00	1031.6	-0.01	0.01	4.1
10/02/2025 02:00	1031.1	-0.14	0.01	4.0
10/02/2025 03:00	1030.5	-0.22	0.02	3.8
10/02/2025 04:00	1030.0	-0.31	0.04	3.7
10/02/2025 05:00	1029.7	-0.36	0.03	3.7
10/02/2025 06:00	1029.2	-0.42	0.07	3.6
10/02/2025 07:00	1028.7	-0.46	0.06	3.6
10/02/2025 08:00	1028.6	-0.43	0.02	3.6
10/02/2025 09:00	1028.5	-0.39	0.02	3.7
10/02/2025 10:00	1028.0	-0.39	0.05	3.6
10/02/2025 11:00	1027.7	-0.35	0.00	3.8
10/02/2025 12:00	1027.0	-0.38	0.01	4.2
10/02/2025 13:00	1026.4	-0.41	0.02	3.7
10/02/2025 14:00	1025.7	-0.44	0.01	3.9
10/02/2025 15:00	1025.0	-0.46	0.02	3.9
10/02/2025 16:00	1024.7	-0.49	0.01	3.7
10/02/2025 17:00	1024.4	-0.51	0.00	3.4
10/02/2025 18:00	1024.2	-0.47	<0.01	3.3
10/02/2025 19:00	1023.7	-0.50	<0.01	3.2
10/02/2025 20:00	1023.6	-0.42	<0.01	3.1
10/02/2025 21:00	1023.5	-0.36	0.00	2.9
10/02/2025 22:00	1023.4	-0.29	<0.01	2.7
10/02/2025 23:00	1023.1	-0.24	<0.01	2.6
11/02/2025 00:00	1022.6	-0.26	0.00	2.5
11/02/2025 01:00	1021.8	-0.33	<0.01	2.6
11/02/2025 02:00	1021.6	-0.33	<0.01	2.6
11/02/2025 03:00	1021.4	-0.29	<0.01	2.7
11/02/2025 04:00	1020.9	-0.34	<0.01	2.8
11/02/2025 05:00	1020.5	-0.38	<0.01	2.8
11/02/2025 06:00	1020.1	-0.41	<0.01	2.8
11/02/2025 07:00	1019.8	-0.41	<0.01	2.9
11/02/2025 08:00	1020.0	-0.33	<0.01	2.9
11/02/2025 09:00	1020.0	-0.22	<0.01	3.2
11/02/2025 10:00	1020.0	-0.20	<0.01	3.3
11/02/2025 11:00	1019.7	-0.21	<0.01	3.8
11/02/2025 12:00	1019.6	-0.16	<0.01	4.0
11/02/2025 13:00	1019.4	-0.14	<0.01	4.0
11/02/2025 14:00	1019.0	-0.14	<0.01	4.1

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
18/02/2025 06:27	0.1	8.8	<0.1	<1	<1
18/02/2025 07:56	0.1	8.6	<0.1	<1	<1
18/02/2025 09:27	0.1	8.8	<0.1	<1	<1
18/02/2025 10:56	0.1	8.8	<0.1	<1	<1
18/02/2025 12:27	<0.1	8.4	<0.1	<1	<1
18/02/2025 13:56	<0.1	8.6	<0.1	<1	<1
18/02/2025 15:27	<0.1	8.6	<0.1	<1	<1
18/02/2025 16:56	<0.1	8.6	<0.1	<1	<1
18/02/2025 18:27	<0.1	8.4	<0.1	<1	<1
18/02/2025 19:56	<0.1	8.8	<0.1	<1	<1
18/02/2025 21:27	<0.1	8.8	<0.1	<1	<1
18/02/2025 22:56	<0.1	8.8	<0.1	<1	<1
19/02/2025 00:27	<0.1	8.8	<0.1	<1	<1
19/02/2025 01:56	<0.1	8.8	<0.1	<1	<1
19/02/2025 03:27	<0.1	9.0	<0.1	<1	<1
19/02/2025 04:56	0.1	9.0	<0.1	<1	<1
19/02/2025 06:27	0.1	9.0	<0.1	<1	<1
19/02/2025 07:56	<0.1	9.0	<0.1	<1	<1
19/02/2025 09:27	0.1	8.8	<0.1	<1	<1
19/02/2025 10:56	<0.1	8.8	<0.1	<1	<1
19/02/2025 12:27	0.1	8.8	<0.1	<1	<1
19/02/2025 13:56	0.1	8.8	<0.1	<1	<1
19/02/2025 15:27	0.1	8.8	<0.1	<1	<1
19/02/2025 16:56	<0.1	8.8	<0.1	<1	<1
19/02/2025 18:27	<0.1	8.8	<0.1	<1	<1
19/02/2025 19:56	0.1	8.8	<0.1	<1	<1
19/02/2025 21:27	0.1	8.6	<0.1	<1	<1
19/02/2025 22:56	0.1	8.6	<0.1	<1	<1
20/02/2025 00:27	0.1	8.8	<0.1	<1	<1
20/02/2025 01:56	<0.1	8.6	<0.1	<1	<1
20/02/2025 03:27	<0.1	8.6	<0.1	<1	<1
20/02/2025 04:56	<0.1	8.6	<0.1	<1	<1
20/02/2025 06:27	<0.1	8.6	<0.1	<1	<1
20/02/2025 07:56	<0.1	8.6	<0.1	<1	<1
20/02/2025 09:27	0.1	8.8	<0.1	<1	<1
20/02/2025 10:56	<0.1	8.6	<0.1	<1	<1
20/02/2025 12:27	<0.1	8.4	<0.1	<1	<1
20/02/2025 13:56	0.1	8.6	<0.1	<1	<1
20/02/2025 15:27	<0.1	8.4	<0.1	<1	<1
20/02/2025 16:56	<0.1	8.4	0.1	<1	<1
20/02/2025 18:27	<0.1	8.1	0.7	<1	<1
20/02/2025 19:56	<0.1	7.9	1.2	<1	<1
20/02/2025 21:27	0.1	7.7	1.4	<1	<1
20/02/2025 22:56	0.1	7.9	1.2	<1	<1
21/02/2025 00:27	0.1	8.2	1.2	<1	<1
21/02/2025 01:56	0.1	8.1	1.0	<1	<1
21/02/2025 03:27	0.1	8.4	0.8	<1	<1
21/02/2025 04:56	0.1	8.4	0.7	<1	<1
21/02/2025 06:27	<0.1	8.6	0.5	<1	<1
21/02/2025 07:56	<0.1	8.6	0.4	<1	<1
21/02/2025 09:27	<0.1	8.8	0.4	<1	<1
21/02/2025 10:56	<0.1	8.6	0.3	<1	<1
21/02/2025 12:27	0.1	8.6	0.3	<1	<1
21/02/2025 13:56	<0.1	8.4	0.3	<1	<1
21/02/2025 15:27	<0.1	8.6	0.4	<1	<1
21/02/2025 16:56	<0.1	8.4	0.5	<1	<1
21/02/2025 18:27	<0.1	8.6	0.7	<1	<1
21/02/2025 19:56	<0.1	8.4	1.0	<1	<1
21/02/2025 21:27	<0.1	8.1	1.4	<1	<1
21/02/2025 22:56	<0.1	7.9	1.5	<1	<1
22/02/2025 00:27	<0.1	8.1	1.6	<1	<1
22/02/2025 01:56	0.1	8.1	1.6	<1	<1
22/02/2025 03:27	<0.1	8.1	1.5	<1	<1
22/02/2025 04:56	<0.1	7.9	1.7	<1	<1
22/02/2025 06:27	<0.1	7.7	2.1	<1	<1
22/02/2025 07:56	0.1	7.3	2.7	<1	<1
22/02/2025 09:27	<0.1	6.8	3.2	<1	<1
22/02/2025 10:56	<0.1	6.8	3.5	<1	<1
22/02/2025 12:27	<0.1	6.8	3.5	<1	<1
22/02/2025 13:56	<0.1	7.3	3.5	<1	<1
22/02/2025 15:27	<0.1	7.5	3.5	<1	<1
22/02/2025 16:57	<0.1	7.1	3.7	<1	<1
22/02/2025 18:26	<0.1	6.6	4.3	<1	<1
22/02/2025 19:57	0.1	6.4	4.7	<1	<1
22/02/2025 21:26	<0.1	6.1	5.0	<1	<1
22/02/2025 22:57	<0.1	6.1	5.3	<1	<1
23/02/2025 00:26	<0.1	6.1	5.4	<1	<1
23/02/2025 01:57	<0.1	6.4	5.2	<1	<1
23/02/2025 03:26	<0.1	6.8	4.7	<1	<1
23/02/2025 04:57	<0.1	7.3	4.2	<1	<1
23/02/2025 06:26	<0.1	7.5	3.8	<1	<1
23/02/2025 07:57	<0.1	7.7	3.5	<1	<1
23/02/2025 09:26	<0.1	7.9	3.2	<1	<1
23/02/2025 10:57	<0.1	7.9	3.0	<1	<1
23/02/2025 12:26	<0.1	7.9	2.8	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
11/02/2025 15:00	1018.8	-0.13	<0.01	3.9
11/02/2025 16:00	1018.8	-0.15	<0.01	3.9
11/02/2025 17:00	1019.0	-0.13	<0.01	3.6
11/02/2025 18:00	1019.3	-0.09	<0.01	3.6
11/02/2025 19:00	1019.4	-0.04	<0.01	3.4
11/02/2025 20:00	1019.6	0.00	<0.01	2.6
11/02/2025 21:00	1019.8	0.05	<0.01	2.3
11/02/2025 22:00	1019.9	0.11	<0.01	2.8
11/02/2025 23:00	1020.1	0.16	<0.01	2.9
12/02/2025 00:00	1020.1	0.16	<0.01	2.9
12/02/2025 01:00	1020.0	0.13	<0.01	3.3
12/02/2025 02:00	1019.9	0.08	<0.01	3.3
12/02/2025 03:00	1019.8	0.05	<0.01	3.1
12/02/2025 04:00	1019.7	0.01	<0.01	3.1
12/02/2025 05:00	1019.6	-0.02	<0.01	3.1
12/02/2025 06:00	1019.7	-0.02	<0.01	3.0
12/02/2025 07:00	1019.8	-0.04	<0.01	2.8
12/02/2025 08:00	1020.1	0.00	<0.01	3.0
12/02/2025 09:00	1020.4	0.05	0.00	3.5
12/02/2025 10:00	1020.7	0.10	<0.01	3.9
12/02/2025 11:00	1020.8	0.13	<0.01	4.8
12/02/2025 12:00	1020.7	0.13	<0.01	5.4
12/02/2025 13:00	1020.4	0.10	<0.01	5.4
12/02/2025 14:00	1020.3	0.07	<0.01	5.5
12/02/2025 15:00	1020.5	0.09	<0.01	5.1
12/02/2025 16:00	1020.8	0.09	<0.01	4.8
12/02/2025 17:00	1021.1	0.09	<0.01	4.4
12/02/2025 18:00	1021.7	0.13	<0.01	4.2
12/02/2025 19:00	1022.0	0.15	<0.01	3.8
12/02/2025 20:00	1022.2	0.19	<0.01	3.2
12/02/2025 21:00	1022.5	0.26	<0.01	3.2
12/02/2025 22:00	1023.0	0.34	<0.01	2.7
12/02/2025 23:00	1023.2	0.34	<0.01	2.5
13/02/2025 00:00	1023.5	0.34	<0.01	2.7
13/02/2025 01:00	1023.2	0.26	<0.01	2.5
13/02/2025 02:00	1023.4	0.21	<0.01	2.8
13/02/2025 03:00	1023.5	0.19	<0.01	3.0
13/02/2025 04:00	1023.7	0.19	<0.01	2.4
13/02/2025 05:00	1023.7	0.15	<0.01	2.1
13/02/2025 06:00	1023.9	0.11	<0.01	1.7
13/02/2025 07:00	1024.1	0.11	0.00	1.7
13/02/2025 08:00	1024.6	0.14	<0.01	1.6
13/02/2025 09:00	1024.9	0.21	0.00	2.2
13/02/2025 10:00	1025.1	0.21	<0.01	2.8
13/02/2025 11:00	1025.3	0.22	<0.01	3.1
13/02/2025 12:00	1025.2	0.19	<0.01	3.4
13/02/2025 13:00	1025.0	0.16	<0.01	3.4
13/02/2025 14:00	1024.7	0.10	<0.01	3.5
13/02/2025 15:00	1024.5	0.05	<0.01	3.3
13/02/2025 16:00	1024.5	-0.01	<0.01	3.2
13/02/2025 17:00	1024.4	-0.06	<0.01	2.9
13/02/2025 18:00	1024.5	-0.07	<0.01	2.6
13/02/2025 19:00	1025.1	-0.03	<0.01	2.3
13/02/2025 20:00	1025.1	-0.01	<0.01	1.9
13/02/2025 21:00	1025.1	0.01	<0.01	1.6
13/02/2025 22:00	1025.4	0.09	<0.01	1.7
13/02/2025 23:00	1025.3	0.10	0.00	1.6
14/02/2025 00:00	1025.4	0.11	<0.01	0.9
14/02/2025 01:00	1025.6	0.15	<0.01	0.9
14/02/2025 02:00	1025.5	0.13	<0.01	-0.1
14/02/2025 03:00	1025.3	0.03	0.00	-0.8
14/02/2025 04:00	1024.9	-0.02	<0.01	-0.6
14/02/2025 05:00	1025.1	0.00	0.01	-0.2
14/02/2025 06:00	1025.0	-0.05	-0.01	0.4
14/02/2025 07:00	1025.0	-0.04	0.01	0.4
14/02/2025 08:00	1025.5	0.01	0.01	0.8
14/02/2025 09:00	1025.5	-0.01	0.01	1.7
14/02/2025 10:00	1025.6	0.01	<0.01	2.5
14/02/2025 11:00	1025.4	0.01	<0.01	2.9
14/02/2025 12:00	1025.6	0.09	<0.01	3.1
14/02/2025 13:00	1025.1	0.00	<0.01	3.9
14/02/2025 14:00	1024.5	-0.06	<0.01	4.1
14/02/2025 15:00	1024.0	-0.13	<0.01	4.0
14/02/2025 16:00	1023.7	-0.22	<0.01	3.5
14/02/2025 17:00	1023.6	-0.24	<0.01	3.3
14/02/2025 18:00	1023.9	-0.21	<0.01	3.2
14/02/2025 19:00	1024.2	-0.15	<0.01	2.9
14/02/2025 20:00	1024.2	-0.17	<0.01	2.6
14/02/2025 21:00	1024.1	-0.13	<0.01	2.3
14/02/2025 22:00	1024.0	-0.06	<0.01	1.8
14/02/2025 23:00	1023.8	-0.03	<0.01	1.4
15/02/2025 00:00	1023.6	-0.01	<0.01	1.5
15/02/2025 01:00	1022.7	-0.11	<0.01	1.7
15/02/2025 02:00	1022.4	-0.19	<0.01	1.6
15/02/2025 03:00	1021.8	-0.30	<0.01	1.8

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
23/02/2025 13:57	<0.1	7.9	2.7	<1	<1
23/02/2025 15:26	<0.1	7.9	2.6	<1	<1
23/02/2025 16:57	<0.1	7.9	2.6	<1	<1
23/02/2025 18:26	<0.1	7.7	2.5	<1	<1
23/02/2025 19:57	<0.1	7.9	2.2	<1	<1
23/02/2025 21:26	<0.1	7.9	2.0	<1	<1
23/02/2025 22:57	<0.1	7.7	2.0	<1	<1
24/02/2025 00:26	<0.1	7.3	1.7	<1	<1
24/02/2025 01:57	<0.1	6.8	1.5	<1	<1
24/02/2025 03:26	0.1	6.6	1.3	<1	<1
24/02/2025 04:57	<0.1	6.4	1.2	<1	<1
24/02/2025 06:26	<0.1	6.4	1.0	<1	<1
24/02/2025 07:57	0.1	6.4	0.9	<1	<1
24/02/2025 09:26	<0.1	6.4	0.8	<1	<1
24/02/2025 10:57	<0.1	6.4	0.7	<1	<1
24/02/2025 12:26	<0.1	6.4	0.5	<1	<1
24/02/2025 13:57	<0.1	6.6	0.5	<1	<1
24/02/2025 15:26	<0.1	6.9	0.4	<1	<1
24/02/2025 16:57	0.1	6.6	0.3	<1	<1
24/02/2025 18:26	<0.1	6.4	0.2	<1	<1
24/02/2025 19:57	0.1	6.4	0.2	<1	<1
24/02/2025 21:26	0.1	6.4	0.1	<1	<1
24/02/2025 22:56	0.1	6.8	<0.1	<1	<1
25/02/2025 00:27	0.1	7.1	<0.1	<1	<1
25/02/2025 01:56	0.1	7.1	<0.1	<1	<1
25/02/2025 03:27	0.1	7.3	<0.1	<1	<1
25/02/2025 04:56	0.1	7.5	<0.1	<1	<1
25/02/2025 06:27	0.1	7.5	<0.1	<1	<1
25/02/2025 07:56	0.2	7.7	<0.1	<1	<1
25/02/2025 09:27	0.1	7.7	<0.1	<1	<1
25/02/2025 10:56	0.1	7.7	<0.1	<1	<1
25/02/2025 12:27	<0.1	7.7	<0.1	<1	<1
25/02/2025 13:56	<0.1	8.2	<0.1	<1	<1
25/02/2025 15:27	0.1	8.2	<0.1	<1	<1
25/02/2025 16:56	<0.1	8.1	<0.1	<1	<1
25/02/2025 18:27	0.1	8.1	<0.1	<1	<1
25/02/2025 19:56	0.1	7.9	<0.1	<1	<1
25/02/2025 21:27	<0.1	7.9	<0.1	<1	<1
25/02/2025 22:56	0.1	8.1	<0.1	<1	<1
26/02/2025 00:27	0.1	8.1	<0.1	<1	<1
26/02/2025 01:56	0.1	8.3	<0.1	<1	<1
26/02/2025 03:27	0.1	8.6	<0.1	<1	<1
26/02/2025 04:56	0.1	8.3	<0.1	<1	<1
26/02/2025 06:27	0.1	8.6	<0.1	<1	<1
26/02/2025 07:56	0.1	8.6	<0.1	<1	<1
26/02/2025 09:27	0.2	8.6	<0.1	<1	<1

Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
15/02/2025 04:00	1021.3	-0.36	<0.01	2.0
15/02/2025 05:00	1020.9	-0.40	<0.01	1.9
15/02/2025 06:00	1020.5	-0.44	<0.01	2.0
15/02/2025 07:00	1020.3	-0.44	0.00	2.1
15/02/2025 08:00	1020.2	-0.42	<0.01	2.2
15/02/2025 09:00	1020.3	-0.30	<0.01	2.4
15/02/2025 10:00	1020.0	-0.30	<0.01	2.7
15/02/2025 11:00	1019.6	-0.27	<0.01	3.0
15/02/2025 12:00	1019.1	-0.27	<0.01	3.6
15/02/2025 13:00	1018.6	-0.29	<0.01	3.5
15/02/2025 14:00	1018.4	-0.26	<0.01	3.5
15/02/2025 15:00	1018.0	-0.29	<0.01	3.4
15/02/2025 16:00	1017.9	-0.29	<0.01	3.4
15/02/2025 17:00	1017.9	-0.30	-0.01	3.3
15/02/2025 18:00	1017.9	-0.26	<0.01	3.2
15/02/2025 19:00	1018.1	-0.19	<0.01	3.2
15/02/2025 20:00	1018.0	-0.14	<0.01	3.1
15/02/2025 21:00	1018.3	-0.04	<0.01	3.0
15/02/2025 22:00	1018.7	0.04	<0.01	2.9
15/02/2025 23:00	1018.9	0.11	<0.01	2.7
16/02/2025 00:00	1018.9	0.13	<0.01	2.4
16/02/2025 01:00	1019.3	0.17	<0.01	2.0
16/02/2025 02:00	1019.2	0.16	<0.01	1.8
16/02/2025 03:00	1019.2	0.14	<0.01	1.6
16/02/2025 04:00	1019.3	0.16	<0.01	1.6
16/02/2025 05:00	1019.5	0.15	0.00	1.5
16/02/2025 06:00	1019.8	0.14	<0.01	1.4
16/02/2025 07:00	1020.2	0.16	<0.01	1.3
16/02/2025 08:00	1020.9	0.25	<0.01	1.3
16/02/2025 09:00	1020.8	0.19	<0.01	1.8
16/02/2025 10:00	1021.3	0.26	<0.01	2.2
16/02/2025 11:00	1021.7	0.31	<0.01	2.9
16/02/2025 12:00	1021.8	0.31	<0.01	3.1
16/02/2025 13:00	1021.9	0.30	<0.01	2.8
16/02/2025 14:00	1021.9	0.26	0.00	3.1
16/02/2025 15:00	1021.7	0.19	<0.01	3.4
16/02/2025 16:00	1021.6	0.09	<0.01	3.3
16/02/2025 17:00	1021.9	0.14	<0.01	2.8
16/02/2025 18:00	1022.4	0.14	<0.01	2.2
16/02/2025 19:00	1022.8	0.14	<0.01	1.6
16/02/2025 20:00	1022.8	0.13	<0.01	1.0
16/02/2025 21:00	1023.0	0.14	<0.01	0.5
16/02/2025 22:00	1023.3	0.17	<0.01	0.2
16/02/2025 23:00	1023.3	0.20	<0.01	-0.2
17/02/2025 00:00	1023.1	0.19	<0.01	-1.1
17/02/2025 01:00	1023.0	0.14	<0.01	-1.3
17/02/2025 02:00	1023.0	0.08	0.00	-1.7
17/02/2025 03:00	1022.9	0.01	<0.01	-1.7
17/02/2025 04:00	1022.5	-0.04	0.01	-1.9
17/02/2025 05:00	1022.4	-0.08	<0.01	-2.0
17/02/2025 06:00	1022.5	-0.10	0.01	-1.9
17/02/2025 07:00	1022.4	-0.11	0.02	-1.9
17/02/2025 08:00	1022.8	-0.04	0.02	-1.3
17/02/2025 09:00	1022.8	-0.03	-0.02	0.4
17/02/2025 10:00	1023.1	0.01	-0.01	2.0
17/02/2025 11:00	1023.1	0.03	0.00	2.9
17/02/2025 12:00	1023.0	0.06	<0.01	3.4
17/02/2025 13:00	1022.5	0.01	0.00	4.3
17/02/2025 14:00	1021.9	-0.08	<0.01	4.6
17/02/2025 15:00	1021.6	-0.10	-0.01	4.6
17/02/2025 16:00	1021.7	-0.14	0.00	4.1
17/02/2025 17:00	1022.1	-0.09	<0.01	2.9
17/02/2025 18:00	1022.5	-0.08	<0.01	1.8
17/02/2025 19:00	1022.7	-0.05	<0.01	1.3
17/02/2025 20:00	1023.0	0.00	<0.01	0.6
17/02/2025 21:00	1023.1	0.08	<0.01	-0.3
17/02/2025 22:00	1023.4	0.19	<0.01	-0.8
17/02/2025 23:00	1023.2	0.20	<0.01	-0.9
18/02/2025 00:00	1023.1	0.17	<0.01	-1.0
18/02/2025 01:00	1022.9	0.10	0.00	-1.1
18/02/2025 02:00	1022.8	0.04	<0.01	-1.0
18/02/2025 03:00	1022.4	-0.04	0.01	-1.3
18/02/2025 04:00	1022.4	-0.08	<0.01	-1.2
18/02/2025 05:00	1022.3	-0.10	0.00	-1.7
18/02/2025 06:00	1022.4	-0.13	0.02	-1.7
18/02/2025 07:00	1022.3	-0.11	0.04	-1.8
18/02/2025 08:00	1022.4	-0.09	0.02	-1.0
18/02/2025 09:00	1022.1	-0.10	0.00	0.4
18/02/2025 10:00	1021.8	-0.13	0.00	1.8
18/02/2025 11:00	1021.6	-0.10	0.01	3.0
18/02/2025 12:00	1021.2	-0.15	0.01	4.1
18/02/2025 13:00	1020.8	-0.19	0.01	4.6
18/02/2025 14:00	1020.1	-0.29	0.01	5.2
18/02/2025 15:00	1019.6	-0.34	<0.01	5.5
18/02/2025 16:00	1019.3	-0.39	0.00	5.2

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Experts in Continuous Monitoring

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
18/02/2025 17:00	1019.2	-0.36	<0.01	4.0
18/02/2025 18:00	1019.1	-0.34	-0.01	2.8
18/02/2025 19:00	1019.2	-0.30	0.01	1.9
18/02/2025 20:00	1019.0	-0.28	<0.01	1.3
18/02/2025 21:00	1018.7	-0.26	0.00	1.0
18/02/2025 22:00	1018.7	-0.17	-0.01	0.7
18/02/2025 23:00	1018.3	-0.16	<0.01	0.8
19/02/2025 00:00	1018.0	-0.16	<0.01	0.9
19/02/2025 01:00	1017.4	-0.23	-0.01	0.8
19/02/2025 02:00	1017.0	-0.26	-0.04	0.8
19/02/2025 03:00	1016.3	-0.36	-0.02	0.6
19/02/2025 04:00	1015.9	-0.39	<0.01	0.4
19/02/2025 05:00	1015.7	-0.38	-0.06	0.2
19/02/2025 06:00	1015.4	-0.41	-0.02	0.3
19/02/2025 07:00	1015.4	-0.36	0.00	-0.1
19/02/2025 08:00	1015.4	-0.33	0.00	0.5
19/02/2025 09:00	1015.3	-0.26	<0.01	1.5
19/02/2025 10:00	1014.8	-0.28	0.00	2.6
19/02/2025 11:00	1014.8	-0.19	0.00	3.4
19/02/2025 12:00	1015.0	-0.11	0.00	4.4
19/02/2025 13:00	1014.9	-0.10	-0.01	3.6
19/02/2025 14:00	1014.5	-0.11	-0.01	4.3
19/02/2025 15:00	1014.3	-0.14	0.00	5.0
19/02/2025 16:00	1014.1	-0.16	<0.01	5.8
19/02/2025 17:00	1014.1	-0.15	0.00	6.0
19/02/2025 18:00	1014.1	-0.09	0.00	5.8
19/02/2025 19:00	1013.4	-0.17	-0.05	6.5
19/02/2025 20:00	1013.1	-0.24	0.00	6.3
19/02/2025 21:00	1013.0	-0.24	-0.01	6.3
19/02/2025 22:00	1013.0	-0.19	0.02	6.7
19/02/2025 23:00	1012.3	-0.25	0.06	7.1
20/02/2025 00:00	1012.1	-0.25	0.00	7.4
20/02/2025 01:00	1011.9	-0.28	0.04	7.8
20/02/2025 02:00	1011.3	-0.35	0.06	8.4
20/02/2025 03:00	1010.6	-0.35	-0.03	9.0
20/02/2025 04:00	1010.0	-0.39	0.04	9.4
20/02/2025 05:00	1009.4	-0.45	0.01	9.8
20/02/2025 06:00	1009.2	-0.47	-0.03	10.4
20/02/2025 07:00	1009.2	-0.39	0.00	10.6
20/02/2025 08:00	1009.5	-0.33	0.03	11.1
20/02/2025 09:00	1009.4	-0.31	-0.01	11.4
20/02/2025 10:00	1009.4	-0.24	-0.03	11.8
20/02/2025 11:00	1008.9	-0.21	-0.07	12.1
20/02/2025 12:00	1008.8	-0.15	-0.01	12.6
20/02/2025 13:00	1008.5	-0.11	-0.02	13.1
20/02/2025 14:00	1008.0	-0.15	-0.02	13.7
20/02/2025 15:00	1008.1	-0.14	<0.01	13.8
20/02/2025 16:00	1008.7	-0.10	-0.03	13.1
20/02/2025 17:00	1009.3	-0.01	-0.02	12.8
20/02/2025 18:00	1010.7	0.16	0.00	12.4
20/02/2025 19:00	1011.8	0.36	0.00	11.9
20/02/2025 20:00	1012.5	0.46	0.01	11.1
20/02/2025 21:00	1013.1	0.58	0.04	10.3
20/02/2025 22:00	1013.0	0.63	0.04	10.1
20/02/2025 23:00	1012.4	0.54	0.05	10.8
21/02/2025 00:00	1012.5	0.47	-0.02	10.5
21/02/2025 01:00	1012.2	0.36	0.05	10.4
21/02/2025 02:00	1011.2	0.06	0.06	10.6
21/02/2025 03:00	1010.4	-0.17	0.01	10.9
21/02/2025 04:00	1009.8	-0.34	0.06	11.1
21/02/2025 05:00	1008.7	-0.55	0.04	11.3
21/02/2025 06:00	1007.8	-0.65	0.08	11.5
21/02/2025 07:00	1006.9	-0.69	0.09	11.7
21/02/2025 08:00	1006.7	-0.72	0.13	11.9
21/02/2025 09:00	1006.2	-0.75	0.04	12.4
21/02/2025 10:00	1005.7	-0.69	0.01	13.0
21/02/2025 11:00	1004.7	-0.71	-0.08	13.0
21/02/2025 12:00	1003.6	-0.77	-0.02	13.8
21/02/2025 13:00	1002.7	-0.75	-0.09	14.2
21/02/2025 14:00	1002.0	-0.72	-0.04	13.5
21/02/2025 15:00	1001.6	-0.66	-0.03	13.4
21/02/2025 16:00	1001.8	-0.61	0.00	13.2
21/02/2025 17:00	1002.3	-0.49	<0.01	12.9
21/02/2025 18:00	1003.0	-0.34	0.00	12.3
21/02/2025 19:00	1003.7	-0.13	0.00	11.8
21/02/2025 20:00	1004.4	0.10	<0.01	11.3
21/02/2025 21:00	1005.2	0.31	-0.03	11.0
21/02/2025 22:00	1005.7	0.46	-0.01	10.5
21/02/2025 23:00	1006.0	0.55	-0.01	10.0
22/02/2025 00:00	1005.9	0.51	-0.01	9.8
22/02/2025 01:00	1006.2	0.49	-0.01	9.1
22/02/2025 02:00	1006.2	0.40	-0.01	8.9
22/02/2025 03:00	1005.9	0.27	-0.01	8.3
22/02/2025 04:00	1006.4	0.25	<0.01	8.2
22/02/2025 05:00	1006.7	0.19	-0.01	8.0



Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
22/02/2025 06:00	1007.4	0.21	-0.03	7.6
22/02/2025 07:00	1008.2	0.28	-0.01	7.6
22/02/2025 08:00	1008.8	0.36	-0.05	7.7
22/02/2025 09:00	1009.7	0.44	0.00	8.3
22/02/2025 10:00	1010.4	0.52	-0.03	9.2
22/02/2025 11:00	1011.1	0.65	-0.01	9.7
22/02/2025 12:00	1011.4	0.63	-0.01	10.7
22/02/2025 13:00	1012.0	0.66	-0.02	11.9
22/02/2025 14:00	1012.6	0.65	-0.02	12.1
22/02/2025 15:00	1013.2	0.63	<0.01	12.0
22/02/2025 16:00	1014.0	0.65	<0.01	11.6
22/02/2025 17:00	1015.0	0.66	<0.01	10.4
22/02/2025 18:00	1016.2	0.73	<0.01	8.7
22/02/2025 19:00	1017.3	0.77	0.01	8.1
22/02/2025 20:00	1018.2	0.85	<0.01	7.4
22/02/2025 21:00	1018.9	0.86	0.00	6.7
22/02/2025 22:00	1019.4	0.85	0.00	6.2
22/02/2025 23:00	1020.2	0.88	0.04	5.9
23/02/2025 00:00	1020.5	0.81	0.04	5.7
23/02/2025 01:00	1020.8	0.72	0.03	5.8
23/02/2025 02:00	1020.9	0.59	0.02	5.5
23/02/2025 03:00	1020.5	0.40	0.00	5.5
23/02/2025 04:00	1019.9	0.21	0.10	5.8
23/02/2025 05:00	1019.5	0.08	0.06	6.1
23/02/2025 06:00	1018.6	-0.10	0.07	6.6
23/02/2025 07:00	1018.5	-0.21	0.10	7.5
23/02/2025 08:00	1018.7	-0.22	0.15	7.9
23/02/2025 09:00	1017.8	-0.38	0.02	8.4
23/02/2025 10:00	1016.8	-0.51	0.00	8.8
23/02/2025 11:00	1016.1	-0.55	-0.02	9.5
23/02/2025 12:00	1015.2	-0.59	0.00	9.4
23/02/2025 13:00	1014.1	-0.67	0.01	10.0
23/02/2025 14:00	1013.3	-0.66	0.01	10.2
23/02/2025 15:00	1012.7	-0.72	0.01	9.8
23/02/2025 16:00	1011.7	-0.88	0.05	9.4
23/02/2025 17:00	1011.1	-0.84	0.04	9.4
23/02/2025 18:00	1010.8	-0.75	0.06	9.5
23/02/2025 19:00	1010.8	-0.66	0.11	9.6
23/02/2025 20:00	1010.4	-0.60	0.00	9.7
23/02/2025 21:00	1010.0	-0.51	0.05	9.9
23/02/2025 22:00	1009.9	-0.42	0.01	9.9
23/02/2025 23:00	1009.7	-0.38	0.01	10.2
24/02/2025 00:00	1009.0	-0.34	0.04	10.1
24/02/2025 01:00	1009.5	-0.20	0.04	9.2
24/02/2025 02:00	1009.2	-0.20	0.06	9.1
24/02/2025 03:00	1008.6	-0.27	0.01	8.9
24/02/2025 04:00	1007.7	-0.34	0.01	8.5
24/02/2025 05:00	1007.8	-0.28	0.11	8.4
24/02/2025 06:00	1007.6	-0.29	0.09	8.5
24/02/2025 07:00	1007.1	-0.33	0.04	8.6
24/02/2025 08:00	1007.4	-0.20	0.04	8.6
24/02/2025 09:00	1007.5	-0.25	0.01	9.1
24/02/2025 10:00	1007.8	-0.18	<0.01	9.6
24/02/2025 11:00	1008.1	-0.06	0.00	10.3
24/02/2025 12:00	1008.0	0.04	0.01	10.8
24/02/2025 13:00	1009.2	0.18	0.03	9.8
24/02/2025 14:00	1009.2	0.20	0.04	10.7
24/02/2025 15:00	1009.4	0.29	0.02	11.2
24/02/2025 16:00	1009.6	0.28	0.01	11.0
24/02/2025 17:00	1009.7	0.28	0.03	9.8
24/02/2025 18:00	1010.2	0.30	<0.01	8.5
24/02/2025 19:00	1010.3	0.27	0.02	7.7
24/02/2025 20:00	1010.6	0.33	0.05	7.4
24/02/2025 21:00	1010.6	0.17	<0.01	6.9
24/02/2025 22:00	1010.7	0.19	<0.01	6.7
24/02/2025 23:00	1010.9	0.19	0.00	6.5
25/02/2025 00:00	1010.8	0.15	<0.01	6.3
25/02/2025 01:00	1010.9	0.15	0.01	6.8
25/02/2025 02:00	1010.7	0.06	0.01	6.6
25/02/2025 03:00	1010.5	0.03	0.02	6.3
25/02/2025 04:00	1010.5	-0.01	0.01	6.1
25/02/2025 05:00	1010.4	-0.03	0.05	5.7
25/02/2025 06:00	1010.7	0.00	0.01	5.2
25/02/2025 07:00	1011.3	0.05	0.00	4.8
25/02/2025 08:00	1011.6	0.10	<0.01	4.9
25/02/2025 09:00	1012.2	0.16	<0.01	6.0
25/02/2025 10:00	1012.7	0.25	<0.01	7.1
25/02/2025 11:00	1013.1	0.33	<0.01	8.1
25/02/2025 12:00	1013.1	0.33	<0.01	9.0
25/02/2025 13:00	1013.4	0.38	<0.01	9.1
25/02/2025 14:00	1013.2	0.31	<0.01	9.6
25/02/2025 15:00	1013.3	0.25	<0.01	9.5
25/02/2025 16:00	1013.6	0.25	<0.01	9.0
25/02/2025 17:00	1013.9	0.21	<0.01	7.8
25/02/2025 18:00	1014.6	0.24	0.02	6.0



Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
25/02/2025 19:00	1015.2	0.26	0.12	5.5
25/02/2025 20:00	1015.8	0.34	0.05	4.9
25/02/2025 21:00	1016.2	0.35	0.01	4.4
25/02/2025 22:00	1016.4	0.40	0.01	3.6
25/02/2025 23:00	1016.3	0.38	0.01	3.2
26/02/2025 00:00	1016.2	0.33	0.00	2.9
26/02/2025 01:00	1016.5	0.33	<0.01	2.6
26/02/2025 02:00	1016.2	0.20	<0.01	2.2
26/02/2025 03:00	1015.3	0.01	<0.01	1.8
26/02/2025 04:00	1014.4	-0.17	<0.01	1.5
26/02/2025 05:00	1013.8	-0.30	<0.01	2.1
26/02/2025 06:00	1012.6	-0.47	<0.01	2.8
26/02/2025 07:00	1012.1	-0.52	<0.01	2.6
26/02/2025 08:00	1011.4	-0.60	<0.01	3.7
26/02/2025 09:00	1010.7	-0.72	<0.01	4.5
26/02/2025 10:00	1009.9	-0.79	<0.01	5.1



Experts in Continuous Monitoring

Time Series Data

Project Ref:	GG3876
Project Name:	The Coppice, Burbage, Hinckley
Borehole ref:	WS02
Instrument Name and ID:	GC025/09/14 & GF03020001
Start Date:	29/01/2025 11:16
End Date:	26/02/2025 09:46
Days of monitoring:	28
Monitoring Frequency (minutes):	GC 90 mins, GF 60 mins
Total samples taken:	448



Experts in Continuous Monitoring

Summary Table

	CH ₄	CO ₂	O ₂	CO	H ₂ S
Minimum	<0.1	<0.1	16.0	<1	<1
Maximum	<0.1	2.0	18.5	<1	<1
Range	<0.1	2.0	2.5	<1	<1

Hourly Data	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	1001.6	-0.98	-0.01	-2.0
	1045.2	1.27	0.08	14.2
	43.6	2.25	0.09	16.2

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
29/01/2025 11:16	<0.1	<0.1	18.5	<1	<1
29/01/2025 12:46	<0.1	<0.1	18.1	<1	<1
29/01/2025 14:16	<0.1	<0.1	18.1	<1	<1
29/01/2025 15:46	<0.1	<0.1	18.2	<1	<1
29/01/2025 17:16	<0.1	<0.1	18.2	<1	<1
29/01/2025 18:46	<0.1	<0.1	18.1	<1	<1
29/01/2025 20:16	<0.1	<0.1	18.0	<1	<1
29/01/2025 21:46	<0.1	<0.1	17.8	<1	<1
29/01/2025 23:16	<0.1	<0.1	17.7	<1	<1
30/01/2025 00:46	<0.1	<0.1	17.7	<1	<1
30/01/2025 02:16	<0.1	<0.1	17.6	<1	<1
30/01/2025 03:46	<0.1	<0.1	17.6	<1	<1
30/01/2025 05:16	<0.1	<0.1	17.5	<1	<1
30/01/2025 06:46	<0.1	<0.1	17.4	<1	<1
30/01/2025 08:16	<0.1	<0.1	17.3	<1	<1
30/01/2025 09:46	<0.1	<0.1	17.0	<1	<1
30/01/2025 11:16	<0.1	<0.1	16.6	<1	<1
30/01/2025 12:46	<0.1	0.3	16.8	<1	<1
30/01/2025 14:16	<0.1	0.3	17.1	<1	<1
30/01/2025 15:46	<0.1	0.3	17.5	<1	<1
30/01/2025 17:16	<0.1	0.3	17.7	<1	<1
30/01/2025 18:46	<0.1	0.3	17.7	<1	<1
30/01/2025 20:16	<0.1	0.3	17.7	<1	<1
30/01/2025 21:46	<0.1	0.3	17.5	<1	<1
30/01/2025 23:16	<0.1	0.3	17.3	<1	<1
31/01/2025 00:46	<0.1	0.3	17.1	<1	<1
31/01/2025 02:16	<0.1	0.3	17.0	<1	<1
31/01/2025 03:46	<0.1	0.3	16.9	<1	<1
31/01/2025 05:16	<0.1	0.3	16.9	<1	<1
31/01/2025 06:46	<0.1	0.3	16.9	<1	<1
31/01/2025 08:16	<0.1	0.3	16.9	<1	<1
31/01/2025 09:46	<0.1	0.3	16.9	<1	<1
31/01/2025 11:16	<0.1	0.3	16.9	<1	<1
31/01/2025 12:46	<0.1	0.3	17.0	<1	<1
31/01/2025 14:16	<0.1	0.3	17.1	<1	<1
31/01/2025 15:46	<0.1	0.3	17.2	<1	<1
31/01/2025 17:16	<0.1	0.3	17.2	<1	<1
31/01/2025 18:46	<0.1	0.3	17.3	<1	<1
31/01/2025 20:16	<0.1	0.3	17.3	<1	<1
31/01/2025 21:46	<0.1	0.3	17.2	<1	<1
31/01/2025 23:16	<0.1	0.3	17.1	<1	<1
01/02/2025 00:46	<0.1	0.5	17.1	<1	<1
01/02/2025 02:16	<0.1	0.3	17.1	<1	<1
01/02/2025 03:46	<0.1	0.3	17.0	<1	<1
01/02/2025 05:16	<0.1	0.6	17.0	<1	<1
01/02/2025 06:46	<0.1	0.3	17.0	<1	<1
01/02/2025 08:16	<0.1	0.5	17.0	<1	<1
01/02/2025 09:46	<0.1	0.3	16.9	<1	<1
01/02/2025 11:16	<0.1	0.5	16.9	<1	<1
01/02/2025 12:46	<0.1	0.6	16.9	<1	<1
01/02/2025 14:16	<0.1	0.6	16.9	<1	<1
01/02/2025 15:46	<0.1	0.5	16.9	<1	<1
01/02/2025 17:16	<0.1	0.6	17.0	<1	<1
01/02/2025 18:46	<0.1	0.5	16.9	<1	<1
01/02/2025 20:16	<0.1	0.5	16.9	<1	<1
01/02/2025 21:46	<0.1	0.6	16.9	<1	<1
01/02/2025 23:16	<0.1	0.5	16.9	<1	<1
02/02/2025 00:46	<0.1	0.5	16.9	<1	<1
02/02/2025 02:16	<0.1	0.5	16.9	<1	<1
02/02/2025 03:46	<0.1	0.5	16.9	<1	<1
02/02/2025 05:16	<0.1	0.5	17.0	<1	<1

Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
29/01/2025 11:00	1002.5	N/A	0.00	6.3
29/01/2025 12:00	1002.3	N/A	0.00	6.8
29/01/2025 13:00	1003.1	N/A	0.00	7.6
29/01/2025 14:00	1003.1	N/A	0.00	7.6
29/01/2025 15:00	1003.5	N/A	0.00	7.1
29/01/2025 16:00	1004.3	N/A	0.00	6.0
29/01/2025 17:00	1005.3	N/A	0.00	4.3
29/01/2025 18:00	1006.0	N/A	0.00	4.0
29/01/2025 19:00	1007.1	0.58	0.00	3.8
29/01/2025 20:00	1008.4	0.76	0.00	3.6
29/01/2025 21:00	1009.4	0.79	0.00	3.5
29/01/2025 22:00	1010.0	0.86	0.00	2.9
29/01/2025 23:00	1010.9	0.92	0.00	2.4
30/01/2025 00:00	1012.0	0.96	0.00	1.8
30/01/2025 01:00	1013.1	0.98	0.00	2.0
30/01/2025 02:00	1014.0	1.00	0.00	1.6
30/01/2025 03:00	1014.7	0.95	0.00	1.1
30/01/2025 04:00	1015.7	0.91	0.00	0.6
30/01/2025 05:00	1016.6	0.90	0.00	0.3
30/01/2025 06:00	1017.4	0.92	0.00	0.3
30/01/2025 07:00	1018.2	0.91	0.00	0.5
30/01/2025 08:00	1019.1	0.89	0.00	0.7
30/01/2025 09:00	1019.8	0.84	0.00	1.8
30/01/2025 10:00	1020.4	0.80	0.00	3.7
30/01/2025 11:00	1021.0	0.79	0.00	4.8
30/01/2025 12:00	1021.1	0.67	0.00	5.9
30/01/2025 13:00	1021.7	0.64	0.00	6.4
30/01/2025 14:00	1022.0	0.58	0.00	6.4
30/01/2025 15:00	1022.2	0.50	0.00	6.2
30/01/2025 16:00	1022.6	0.44	0.00	5.2
30/01/2025 17:00	1023.1	0.41	0.00	2.5
30/01/2025 18:00	1023.5	0.39	0.00	2.4
30/01/2025 19:00	1024.0	0.38	0.00	2.1
30/01/2025 20:00	1024.0	0.36	0.00	1.6
30/01/2025 21:00	1023.8	0.26	0.00	1.1
30/01/2025 22:00	1023.9	0.24	0.00	1.5
30/01/2025 23:00	1023.5	0.16	0.00	1.7
31/01/2025 00:00	1023.0	0.05	0.00	2.1
31/01/2025 01:00	1023.1	0.00	0.00	2.5
31/01/2025 02:00	1022.8	-0.09	0.00	2.8
31/01/2025 03:00	1021.6	-0.30	0.00	3.0
31/01/2025 04:00	1020.5	-0.44	0.00	3.6
31/01/2025 05:00	1019.9	-0.49	0.00	3.7
31/01/2025 06:00	1019.7	-0.52	0.01	3.9
31/01/2025 07:00	1020.0	-0.44	0.00	4.2
31/01/2025 08:00	1020.5	-0.31	0.00	4.4
31/01/2025 09:00	1021.0	-0.26	0.00	5.2
31/01/2025 10:00	1021.7	-0.14	0.00	6.3
31/01/2025 11:00	1022.5	0.11	0.00	6.6
31/01/2025 12:00	1022.7	0.28	0.00	6.7
31/01/2025 13:00	1023.7	0.48	0.00	6.5
31/01/2025 14:00	1024.1	0.55	0.00	6.3
31/01/2025 15:00	1024.8	0.60	0.00	6.2
31/01/2025 16:00	1025.6	0.64	0.00	6.0
31/01/2025 17:00	1026.2	0.65	0.00	5.2
31/01/2025 18:00	1027.1	0.67	0.00	4.9
31/01/2025 19:00	1027.9	0.68	0.00	4.9
31/01/2025 20:00	1028.5	0.72	0.00	4.1
31/01/2025 21:00	1028.8	0.64	0.00	3.1
31/01/2025 22:00	1029.2	0.64	0.00	2.7
31/01/2025 23:00	1029.4	0.58	0.00	2.7

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
02/02/2025 06:46	<0.1	0.5	16.9	<1	<1
02/02/2025 08:16	<0.1	0.5	16.8	<1	<1
02/02/2025 09:46	<0.1	0.5	16.8	<1	<1
02/02/2025 11:16	<0.1	0.6	16.4	<1	<1
02/02/2025 12:46	<0.1	0.6	16.6	<1	<1
02/02/2025 14:16	<0.1	0.6	16.8	<1	<1
02/02/2025 15:46	<0.1	0.6	17.3	<1	<1
02/02/2025 17:16	<0.1	0.6	17.6	<1	<1
02/02/2025 18:46	<0.1	0.5	17.7	<1	<1
02/02/2025 20:16	<0.1	0.5	17.7	<1	<1
02/02/2025 21:46	<0.1	0.5	17.4	<1	<1
02/02/2025 23:16	<0.1	0.5	17.2	<1	<1
03/02/2025 00:46	<0.1	0.5	17.0	<1	<1
03/02/2025 02:16	<0.1	0.5	16.9	<1	<1
03/02/2025 03:46	<0.1	0.5	16.8	<1	<1
03/02/2025 05:16	<0.1	0.5	16.8	<1	<1
03/02/2025 06:46	<0.1	0.5	16.8	<1	<1
03/02/2025 08:16	<0.1	0.5	16.7	<1	<1
03/02/2025 09:46	<0.1	0.9	16.7	<1	<1
03/02/2025 11:16	<0.1	0.9	16.7	<1	<1
03/02/2025 12:46	<0.1	0.9	16.7	<1	<1
03/02/2025 14:16	<0.1	0.9	16.8	<1	<1
03/02/2025 15:46	<0.1	0.9	16.9	<1	<1
03/02/2025 17:16	<0.1	0.9	17.1	<1	<1
03/02/2025 18:46	<0.1	0.9	17.2	<1	<1
03/02/2025 20:16	<0.1	0.5	17.2	<1	<1
03/02/2025 21:46	<0.1	0.9	17.2	<1	<1
03/02/2025 23:16	<0.1	0.5	17.1	<1	<1
04/02/2025 00:46	<0.1	0.5	17.0	<1	<1
04/02/2025 02:16	<0.1	0.5	16.9	<1	<1
04/02/2025 03:46	<0.1	0.9	16.9	<1	<1
04/02/2025 05:16	<0.1	0.5	17.0	<1	<1
04/02/2025 06:46	<0.1	0.9	16.9	<1	<1
04/02/2025 08:16	<0.1	0.9	16.8	<1	<1
04/02/2025 09:46	<0.1	0.9	16.8	<1	<1
04/02/2025 11:16	<0.1	0.9	16.8	<1	<1
04/02/2025 12:46	<0.1	0.9	16.7	<1	<1
04/02/2025 14:16	<0.1	0.9	17.1	<1	<1
04/02/2025 15:46	<0.1	0.9	17.2	<1	<1
04/02/2025 17:16	<0.1	0.9	17.4	<1	<1
04/02/2025 18:46	<0.1	0.9	17.5	<1	<1
04/02/2025 20:16	<0.1	0.9	17.6	<1	<1
04/02/2025 21:46	<0.1	0.9	17.6	<1	<1
04/02/2025 23:16	<0.1	0.9	17.5	<1	<1
05/02/2025 00:46	<0.1	0.9	17.4	<1	<1
05/02/2025 02:16	<0.1	0.9	17.3	<1	<1
05/02/2025 03:46	<0.1	0.9	17.7	<1	<1
05/02/2025 05:16	<0.1	0.9	17.7	<1	<1
05/02/2025 06:46	<0.1	0.9	17.2	<1	<1
05/02/2025 08:16	<0.1	0.9	17.3	<1	<1
05/02/2025 09:46	<0.1	0.9	16.8	<1	<1
05/02/2025 11:16	<0.1	0.9	16.5	<1	<1
05/02/2025 12:46	<0.1	0.9	16.7	<1	<1
05/02/2025 14:16	<0.1	0.9	17.0	<1	<1
05/02/2025 15:46	<0.1	0.9	17.1	<1	<1
05/02/2025 17:16	<0.1	0.9	17.4	<1	<1
05/02/2025 18:46	<0.1	0.9	17.6	<1	<1
05/02/2025 20:16	<0.1	0.9	17.5	<1	<1
05/02/2025 21:46	<0.1	0.9	17.5	<1	<1
05/02/2025 23:16	<0.1	0.9	17.5	<1	<1
06/02/2025 00:46	<0.1	0.9	17.3	<1	<1
06/02/2025 02:16	<0.1	0.9	17.2	<1	<1
06/02/2025 03:46	<0.1	0.9	17.0	<1	<1
06/02/2025 05:16	<0.1	0.9	16.7	<1	<1
06/02/2025 06:46	<0.1	0.9	16.8	<1	<1
06/02/2025 08:16	<0.1	0.9	16.9	<1	<1
06/02/2025 09:46	<0.1	0.9	16.3	<1	<1
06/02/2025 11:16	<0.1	1.3	16.2	<1	<1
06/02/2025 12:46	<0.1	1.3	16.1	<1	<1
06/02/2025 14:16	<0.1	1.3	16.3	<1	<1
06/02/2025 15:46	<0.1	1.3	16.8	<1	<1
06/02/2025 17:16	<0.1	1.3	17.2	<1	<1
06/02/2025 18:46	<0.1	0.9	17.3	<1	<1
06/02/2025 20:16	<0.1	0.9	17.3	<1	<1
06/02/2025 21:46	<0.1	1.3	17.1	<1	<1
06/02/2025 23:16	<0.1	0.9	17.1	<1	<1
07/02/2025 00:46	<0.1	0.9	17.0	<1	<1
07/02/2025 02:16	<0.1	0.9	16.8	<1	<1
07/02/2025 03:46	<0.1	0.9	16.8	<1	<1
07/02/2025 05:16	<0.1	0.9	16.7	<1	<1
07/02/2025 06:46	<0.1	0.9	16.7	<1	<1
07/02/2025 08:16	<0.1	0.9	16.7	<1	<1
07/02/2025 09:46	<0.1	0.9	16.6	<1	<1
07/02/2025 11:16	<0.1	1.3	16.7	<1	<1
07/02/2025 12:46	<0.1	0.9	16.7	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
01/02/2025 00:00	1029.4	0.48	0.00	2.3
01/02/2025 01:00	1029.8	0.45	0.00	3.1
01/02/2025 02:00	1029.8	0.34	0.00	3.5
01/02/2025 03:00	1029.8	0.24	0.00	3.2
01/02/2025 04:00	1029.4	0.11	0.00	2.9
01/02/2025 05:00	1029.1	0.04	0.00	2.4
01/02/2025 06:00	1029.1	-0.01	0.00	2.6
01/02/2025 07:00	1029.0	-0.05	0.00	3.2
01/02/2025 08:00	1029.3	-0.01	0.00	3.7
01/02/2025 09:00	1029.4	-0.05	0.00	4.3
01/02/2025 10:00	1029.4	-0.05	0.00	4.3
01/02/2025 11:00	1029.1	-0.09	0.00	5.0
01/02/2025 12:00	1028.8	-0.08	0.00	5.8
01/02/2025 13:00	1028.3	-0.10	0.00	5.5
01/02/2025 14:00	1028.0	-0.14	0.00	5.6
01/02/2025 15:00	1027.6	-0.18	0.00	5.3
01/02/2025 16:00	1027.0	-0.29	0.00	5.4
01/02/2025 17:00	1026.6	-0.35	0.00	5.0
01/02/2025 18:00	1026.2	-0.40	0.00	4.8
01/02/2025 19:00	1025.5	-0.45	0.00	5.0
01/02/2025 20:00	1025.1	-0.46	0.00	4.8
01/02/2025 21:00	1025.0	-0.41	0.00	4.3
01/02/2025 22:00	1024.5	-0.44	0.00	4.2
01/02/2025 23:00	1024.1	-0.44	0.00	4.0
02/02/2025 00:00	1023.6	-0.42	0.00	3.8
02/02/2025 01:00	1023.1	-0.44	0.00	3.6
02/02/2025 02:00	1022.0	-0.53	0.00	3.2
02/02/2025 03:00	1021.2	-0.54	0.00	2.7
02/02/2025 04:00	1020.5	-0.57	0.00	2.0
02/02/2025 05:00	1020.4	-0.58	0.00	2.0
02/02/2025 06:00	1020.4	-0.51	0.00	1.5
02/02/2025 07:00	1020.7	-0.42	0.00	0.7
02/02/2025 08:00	1021.0	-0.33	0.00	0.3
02/02/2025 09:00	1021.5	-0.20	0.00	1.2
02/02/2025 10:00	1021.7	-0.04	0.00	3.0
02/02/2025 11:00	1021.5	0.04	0.00	4.3
02/02/2025 12:00	1021.3	0.10	0.00	5.2
02/02/2025 13:00	1021.0	0.08	0.00	6.3
02/02/2025 14:00	1020.5	0.01	0.00	6.6
02/02/2025 15:00	1020.7	0.00	0.00	6.5
02/02/2025 16:00	1021.2	0.03	0.00	5.6
02/02/2025 17:00	1022.4	0.11	0.00	2.8
02/02/2025 18:00	1023.2	0.19	0.00	2.4
02/02/2025 19:00	1023.5	0.25	0.00	1.8
02/02/2025 20:00	1023.6	0.29	0.00	1.9
02/02/2025 21:00	1023.3	0.29	0.00	1.6
02/02/2025 22:00	1023.5	0.38	0.00	1.4
02/02/2025 23:00	1023.8	0.39	0.00	0.9
03/02/2025 00:00	1024.1	0.36	0.00	0.4
03/02/2025 01:00	1024.1	0.21	0.00	1.3
03/02/2025 02:00	1023.9	0.09	0.00	2.6
03/02/2025 03:00	1023.7	0.03	0.00	3.4
03/02/2025 04:00	1023.3	-0.04	0.00	3.6
03/02/2025 05:00	1023.4	0.01	0.00	3.9
03/02/2025 06:00	1023.1	-0.05	0.00	4.2
03/02/2025 07:00	1023.0	-0.10	0.00	4.4
03/02/2025 08:00	1023.4	-0.09	0.00	4.5
03/02/2025 09:00	1023.5	-0.07	0.00	5.2
03/02/2025 10:00	1023.3	-0.08	0.00	6.8
03/02/2025 11:00	1023.5	-0.03	0.00	7.3
03/02/2025 12:00	1023.0	-0.04	0.00	8.4
03/02/2025 13:00	1022.9	-0.06	0.00	8.1
03/02/2025 14:00	1022.3	-0.10	0.00	8.2
03/02/2025 15:00	1021.9	-0.14	0.00	8.0
03/02/2025 16:00	1021.8	-0.20	0.00	8.0
03/02/2025 17:00	1021.7	-0.22	0.00	6.9
03/02/2025 18:00	1022.0	-0.16	0.00	5.9
03/02/2025 19:00	1022.1	-0.17	0.00	5.3
03/02/2025 20:00	1022.1	-0.11	0.00	5.0
03/02/2025 21:00	1022.1	-0.10	0.00	4.6
03/02/2025 22:00	1021.9	-0.05	0.00	4.4
03/02/2025 23:00	1021.6	-0.04	0.00	4.4
04/02/2025 00:00	1021.2	-0.07	0.00	4.5
04/02/2025 01:00	1020.9	-0.10	0.00	4.7
04/02/2025 02:00	1020.5	-0.19	0.00	5.0
04/02/2025 03:00	1020.0	-0.26	0.00	5.0
04/02/2025 04:00	1019.6	-0.31	0.00	5.1
04/02/2025 05:00	1019.4	-0.34	0.00	5.2
04/02/2025 06:00	1019.2	-0.34	0.00	5.3
04/02/2025 07:00	1018.8	-0.35	0.00	5.5
04/02/2025 08:00	1018.7	-0.31	0.00	6.6
04/02/2025 09:00	1018.4	-0.31	0.00	7.6
04/02/2025 10:00	1018.2	-0.29	0.00	8.7
04/02/2025 11:00	1017.9	-0.26	0.00	9.1
04/02/2025 12:00	1017.1	-0.31	0.00	9.5

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
07/02/2025 14:16	<0.1	0.9	16.7	<1	<1
07/02/2025 15:46	<0.1	0.9	16.8	<1	<1
07/02/2025 17:16	<0.1	0.9	16.8	<1	<1
07/02/2025 18:46	<0.1	0.9	16.9	<1	<1
07/02/2025 20:16	<0.1	0.9	16.9	<1	<1
07/02/2025 21:46	<0.1	0.9	16.9	<1	<1
07/02/2025 23:16	<0.1	0.9	16.9	<1	<1
08/02/2025 00:46	<0.1	0.9	16.9	<1	<1
08/02/2025 02:16	<0.1	0.9	16.9	<1	<1
08/02/2025 03:46	<0.1	0.9	16.8	<1	<1
08/02/2025 05:16	<0.1	0.9	16.8	<1	<1
08/02/2025 06:46	<0.1	0.9	16.8	<1	<1
08/02/2025 08:16	<0.1	0.9	16.9	<1	<1
08/02/2025 09:46	<0.1	0.9	16.9	<1	<1
08/02/2025 11:16	<0.1	0.9	16.9	<1	<1
08/02/2025 12:46	<0.1	0.9	16.9	<1	<1
08/02/2025 14:16	<0.1	0.9	16.9	<1	<1
08/02/2025 15:46	<0.1	0.9	17.0	<1	<1
08/02/2025 17:16	<0.1	0.9	17.0	<1	<1
08/02/2025 18:46	<0.1	0.9	17.1	<1	<1
08/02/2025 20:16	<0.1	0.9	17.1	<1	<1
08/02/2025 21:46	<0.1	0.9	17.1	<1	<1
08/02/2025 23:16	<0.1	0.9	17.1	<1	<1
09/02/2025 00:46	<0.1	0.9	17.1	<1	<1
09/02/2025 02:16	<0.1	0.9	17.1	<1	<1
09/02/2025 03:46	<0.1	0.9	17.1	<1	<1
09/02/2025 05:16	<0.1	1.3	17.1	<1	<1
09/02/2025 06:46	<0.1	0.9	17.1	<1	<1
09/02/2025 08:16	<0.1	1.3	17.1	<1	<1
09/02/2025 09:46	<0.1	0.9	17.1	<1	<1
09/02/2025 11:16	<0.1	1.3	17.1	<1	<1
09/02/2025 12:46	<0.1	0.9	17.1	<1	<1
09/02/2025 14:16	<0.1	0.9	17.1	<1	<1
09/02/2025 15:46	<0.1	1.3	17.2	<1	<1
09/02/2025 17:16	<0.1	0.9	17.2	<1	<1
09/02/2025 18:46	<0.1	0.9	17.3	<1	<1
09/02/2025 20:16	<0.1	0.9	17.2	<1	<1
09/02/2025 21:46	<0.1	0.9	17.2	<1	<1
09/02/2025 23:16	<0.1	0.9	17.1	<1	<1
10/02/2025 00:46	<0.1	0.9	17.2	<1	<1
10/02/2025 02:16	<0.1	0.9	17.1	<1	<1
10/02/2025 03:46	<0.1	0.9	17.1	<1	<1
10/02/2025 05:16	<0.1	0.9	17.1	<1	<1
10/02/2025 06:46	<0.1	0.9	17.0	<1	<1
10/02/2025 08:16	<0.1	0.9	17.0	<1	<1
10/02/2025 09:46	<0.1	0.9	17.0	<1	<1
10/02/2025 11:16	<0.1	0.9	17.0	<1	<1
10/02/2025 12:46	<0.1	0.9	16.9	<1	<1
10/02/2025 14:16	<0.1	0.9	16.9	<1	<1
10/02/2025 15:46	<0.1	0.9	16.9	<1	<1
10/02/2025 17:16	<0.1	0.9	17.0	<1	<1
10/02/2025 18:46	<0.1	0.9	17.0	<1	<1
10/02/2025 20:16	<0.1	0.9	17.0	<1	<1
10/02/2025 21:46	<0.1	0.9	17.0	<1	<1
10/02/2025 23:16	<0.1	0.9	17.0	<1	<1
11/02/2025 00:46	<0.1	0.9	16.9	<1	<1
11/02/2025 02:16	<0.1	0.9	16.9	<1	<1
11/02/2025 03:46	<0.1	0.9	16.9	<1	<1
11/02/2025 05:16	<0.1	0.9	16.9	<1	<1
11/02/2025 06:46	<0.1	0.9	16.9	<1	<1
11/02/2025 08:16	<0.1	0.9	16.9	<1	<1
11/02/2025 09:46	<0.1	0.9	16.9	<1	<1
11/02/2025 11:16	<0.1	1.3	16.9	<1	<1
11/02/2025 12:46	<0.1	0.9	16.9	<1	<1
11/02/2025 14:16	<0.1	0.9	16.9	<1	<1
11/02/2025 15:46	<0.1	1.3	17.0	<1	<1
11/02/2025 17:16	<0.1	0.9	17.0	<1	<1
11/02/2025 18:46	<0.1	0.9	17.0	<1	<1
11/02/2025 20:16	<0.1	0.9	17.0	<1	<1
11/02/2025 21:46	<0.1	0.9	17.0	<1	<1
11/02/2025 23:16	<0.1	0.9	17.0	<1	<1
12/02/2025 00:46	<0.1	0.9	17.0	<1	<1
12/02/2025 02:16	<0.1	0.9	17.0	<1	<1
12/02/2025 03:46	<0.1	1.3	17.0	<1	<1
12/02/2025 05:16	<0.1	0.9	17.0	<1	<1
12/02/2025 06:46	<0.1	0.9	16.9	<1	<1
12/02/2025 08:16	<0.1	1.3	17.0	<1	<1
12/02/2025 09:46	<0.1	0.9	17.0	<1	<1
12/02/2025 11:16	<0.1	1.3	16.9	<1	<1
12/02/2025 12:46	<0.1	1.3	16.9	<1	<1
12/02/2025 14:16	<0.1	1.3	16.9	<1	<1
12/02/2025 15:46	<0.1	0.9	17.0	<1	<1
12/02/2025 17:16	<0.1	1.3	17.1	<1	<1
12/02/2025 18:46	<0.1	0.9	17.1	<1	<1
12/02/2025 20:16	<0.1	1.3	17.1	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
04/02/2025 13:00	1017.4	-0.25	0.00	10.5
04/02/2025 14:00	1017.2	-0.25	0.00	10.4
04/02/2025 15:00	1017.2	-0.20	0.00	9.6
04/02/2025 16:00	1018.0	-0.09	0.00	8.8
04/02/2025 17:00	1018.6	0.03	0.00	8.5
04/02/2025 18:00	1020.1	0.24	0.00	8.0
04/02/2025 19:00	1021.3	0.42	0.00	7.1
04/02/2025 20:00	1022.7	0.70	0.00	6.2
04/02/2025 21:00	1024.1	0.84	0.00	5.5
04/02/2025 22:00	1025.3	1.01	0.00	4.9
04/02/2025 23:00	1026.5	1.16	0.00	4.5
05/02/2025 00:00	1027.5	1.19	0.00	4.0
05/02/2025 01:00	1028.8	1.27	0.00	3.6
05/02/2025 02:00	1029.7	1.20	0.00	3.1
05/02/2025 03:00	1030.6	1.16	0.00	2.7
05/02/2025 04:00	1031.3	1.07	0.00	2.4
05/02/2025 05:00	1032.3	1.03	0.00	2.2
05/02/2025 06:00	1033.2	0.99	0.00	2.0
05/02/2025 07:00	1033.9	0.93	0.00	2.0
05/02/2025 08:00	1034.9	0.93	0.00	1.9
05/02/2025 09:00	1035.8	0.88	0.00	3.0
05/02/2025 10:00	1036.7	0.88	0.00	4.7
05/02/2025 11:00	1037.4	0.85	0.00	6.0
05/02/2025 12:00	1037.8	0.81	0.00	7.1
05/02/2025 13:00	1038.1	0.72	0.00	7.5
05/02/2025 14:00	1038.6	0.67	0.00	7.4
05/02/2025 15:00	1039.2	0.66	0.00	7.1
05/02/2025 16:00	1039.7	0.60	0.00	6.4
05/02/2025 17:00	1040.5	0.59	0.00	4.5
05/02/2025 18:00	1041.3	0.57	0.00	3.2
05/02/2025 19:00	1042.1	0.59	0.00	2.0
05/02/2025 20:00	1042.5	0.59	0.00	1.1
05/02/2025 21:00	1043.0	0.61	0.00	1.1
05/02/2025 22:00	1043.5	0.61	0.00	0.6
05/02/2025 23:00	1043.9	0.59	0.00	-0.1
06/02/2025 00:00	1043.9	0.53	0.00	-0.7
06/02/2025 01:00	1044.4	0.49	0.00	-0.6
06/02/2025 02:00	1044.4	0.39	0.00	-1.1
06/02/2025 03:00	1044.4	0.29	0.00	-1.3
06/02/2025 04:00	1044.5	0.25	0.00	-1.0
06/02/2025 05:00	1044.6	0.20	0.00	-0.8
06/02/2025 06:00	1044.6	0.14	0.00	-0.8
06/02/2025 07:00	1044.6	0.09	0.00	-1.0
06/02/2025 08:00	1045.0	0.14	0.00	-1.0
06/02/2025 09:00	1045.2	0.10	0.00	0.4
06/02/2025 10:00	1045.1	0.09	0.00	2.1
06/02/2025 11:00	1045.0	0.07	0.00	3.9
06/02/2025 12:00	1044.4	-0.01	0.00	5.4
06/02/2025 13:00	1044.2	-0.05	0.00	5.8
06/02/2025 14:00	1043.8	-0.10	0.00	5.9
06/02/2025 15:00	1043.5	-0.14	0.00	5.9
06/02/2025 16:00	1043.0	-0.25	0.00	5.4
06/02/2025 17:00	1042.8	-0.30	0.00	3.9
06/02/2025 18:00	1042.7	-0.30	0.00	3.0
06/02/2025 19:00	1042.3	-0.34	0.00	2.3
06/02/2025 20:00	1042.1	-0.29	0.00	2.0
06/02/2025 21:00	1041.7	-0.31	0.00	2.3
06/02/2025 22:00	1041.0	-0.35	0.00	2.5
06/02/2025 23:00	1040.3	-0.40	0.00	2.0
07/02/2025 00:00	1039.5	-0.44	0.00	1.8
07/02/2025 01:00	1038.8	-0.50	0.00	1.7
07/02/2025 02:00	1037.8	-0.61	0.00	1.8
07/02/2025 03:00	1036.6	-0.71	0.00	1.8
07/02/2025 04:00	1035.5	-0.82	0.00	1.6
07/02/2025 05:00	1034.8	-0.86	0.00	1.6
07/02/2025 06:00	1033.9	-0.89	0.00	1.9
07/02/2025 07:00	1032.9	-0.92	0.00	2.3
07/02/2025 08:00	1032.3	-0.90	0.00	2.5
07/02/2025 09:00	1031.5	-0.91	0.00	2.9
07/02/2025 10:00	1030.4	-0.92	0.00	3.5
07/02/2025 11:00	1029.5	-0.89	0.00	3.9
07/02/2025 12:00	1028.5	-0.88	0.00	3.6
07/02/2025 13:00	1027.5	-0.91	0.00	3.0
07/02/2025 14:00	1026.3	-0.95	0.00	2.8
07/02/2025 15:00	1025.1	-0.98	0.00	2.9
07/02/2025 16:00	1024.5	-0.97	0.00	3.0
07/02/2025 17:00	1024.1	-0.93	0.01	2.8
07/02/2025 18:00	1023.7	-0.84	0.00	2.7
07/02/2025 19:00	1022.9	-0.83	0.01	2.6
07/02/2025 20:00	1022.5	-0.75	0.00	2.3
07/02/2025 21:00	1022.1	-0.67	0.00	2.0
07/02/2025 22:00	1021.5	-0.60	0.00	2.0
07/02/2025 23:00	1021.2	-0.49	0.01	1.8
08/02/2025 00:00	1020.6	-0.49	0.00	1.5
08/02/2025 01:00	1020.3	-0.47	0.00	1.1

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
12/02/2025 21:46	<0.1	1.3	17.1	<1	<1
12/02/2025 23:16	<0.1	0.9	17.1	<1	<1
13/02/2025 00:46	<0.1	1.3	17.1	<1	<1
13/02/2025 02:16	<0.1	0.9	17.0	<1	<1
13/02/2025 03:46	<0.1	1.3	17.1	<1	<1
13/02/2025 05:16	<0.1	1.3	17.0	<1	<1
13/02/2025 06:46	<0.1	1.3	17.0	<1	<1
13/02/2025 08:16	<0.1	1.3	16.9	<1	<1
13/02/2025 09:46	<0.1	1.3	17.0	<1	<1
13/02/2025 11:16	<0.1	1.3	16.9	<1	<1
13/02/2025 12:46	<0.1	1.3	16.8	<1	<1
13/02/2025 14:16	<0.1	1.3	16.9	<1	<1
13/02/2025 15:46	<0.1	1.3	17.0	<1	<1
13/02/2025 17:16	<0.1	1.3	17.1	<1	<1
13/02/2025 18:46	<0.1	1.3	17.0	<1	<1
13/02/2025 20:16	<0.1	1.3	17.0	<1	<1
13/02/2025 21:46	<0.1	1.3	17.0	<1	<1
13/02/2025 23:16	<0.1	1.3	17.0	<1	<1
14/02/2025 00:46	<0.1	1.3	16.9	<1	<1
14/02/2025 02:16	<0.1	1.3	16.9	<1	<1
14/02/2025 03:46	<0.1	0.9	16.8	<1	<1
14/02/2025 05:16	<0.1	1.3	16.9	<1	<1
14/02/2025 06:46	<0.1	1.3	16.9	<1	<1
14/02/2025 08:16	<0.1	1.3	16.8	<1	<1
14/02/2025 09:46	<0.1	1.3	16.6	<1	<1
14/02/2025 11:16	<0.1	1.3	16.7	<1	<1
14/02/2025 12:46	<0.1	1.3	16.7	<1	<1
14/02/2025 14:16	<0.1	1.3	16.8	<1	<1
14/02/2025 15:46	<0.1	1.3	16.9	<1	<1
14/02/2025 17:16	<0.1	1.3	17.1	<1	<1
14/02/2025 18:46	<0.1	1.3	17.1	<1	<1
14/02/2025 20:16	<0.1	1.3	17.1	<1	<1
14/02/2025 21:46	<0.1	1.3	17.0	<1	<1
14/02/2025 23:16	<0.1	1.3	17.0	<1	<1
15/02/2025 00:46	<0.1	1.3	17.0	<1	<1
15/02/2025 02:16	<0.1	1.3	16.9	<1	<1
15/02/2025 03:46	<0.1	1.3	16.8	<1	<1
15/02/2025 05:16	<0.1	1.3	17.1	<1	<1
15/02/2025 06:46	<0.1	1.3	16.8	<1	<1
15/02/2025 08:16	<0.1	1.3	16.7	<1	<1
15/02/2025 09:46	<0.1	1.3	16.8	<1	<1
15/02/2025 11:16	<0.1	1.3	16.8	<1	<1
15/02/2025 12:46	<0.1	1.3	16.8	<1	<1
15/02/2025 14:16	<0.1	1.3	16.8	<1	<1
15/02/2025 15:46	<0.1	1.3	16.8	<1	<1
15/02/2025 17:16	<0.1	1.3	16.9	<1	<1
15/02/2025 18:46	<0.1	1.3	16.9	<1	<1
15/02/2025 20:16	<0.1	1.3	17.0	<1	<1
15/02/2025 21:46	<0.1	1.3	17.0	<1	<1
15/02/2025 23:16	<0.1	1.3	17.0	<1	<1
16/02/2025 00:46	<0.1	1.3	17.0	<1	<1
16/02/2025 02:16	<0.1	1.3	17.0	<1	<1
16/02/2025 03:46	<0.1	1.3	17.0	<1	<1
16/02/2025 05:16	<0.1	1.3	17.0	<1	<1
16/02/2025 06:46	<0.1	1.3	17.0	<1	<1
16/02/2025 08:16	<0.1	1.3	16.9	<1	<1
16/02/2025 09:46	<0.1	1.3	16.9	<1	<1
16/02/2025 11:16	<0.1	1.3	16.8	<1	<1
16/02/2025 12:46	<0.1	1.3	16.8	<1	<1
16/02/2025 14:16	<0.1	1.3	16.8	<1	<1
16/02/2025 15:46	<0.1	1.3	16.8	<1	<1
16/02/2025 17:16	<0.1	1.3	16.9	<1	<1
16/02/2025 18:46	<0.1	1.3	17.0	<1	<1
16/02/2025 20:16	<0.1	1.3	17.0	<1	<1
16/02/2025 21:46	<0.1	1.3	17.0	<1	<1
16/02/2025 23:16	<0.1	1.3	17.0	<1	<1
17/02/2025 00:46	<0.1	1.3	16.9	<1	<1
17/02/2025 02:16	<0.1	1.1	16.9	<1	<1
17/02/2025 03:46	<0.1	1.1	16.7	<1	<1
17/02/2025 05:16	<0.1	1.3	16.6	<1	<1
17/02/2025 06:46	<0.1	1.1	16.4	<1	<1
17/02/2025 08:16	<0.1	1.1	16.3	<1	<1
17/02/2025 09:46	<0.1	1.3	16.0	<1	<1
17/02/2025 11:16	<0.1	1.5	16.1	<1	<1
17/02/2025 12:46	<0.1	1.6	16.3	<1	<1
17/02/2025 14:16	<0.1	1.6	16.6	<1	<1
17/02/2025 15:46	<0.1	1.3	17.0	<1	<1
17/02/2025 17:16	<0.1	1.3	17.2	<1	<1
17/02/2025 18:46	<0.1	1.3	17.3	<1	<1
17/02/2025 20:16	<0.1	1.3	17.3	<1	<1
17/02/2025 21:46	<0.1	1.3	17.2	<1	<1
17/02/2025 23:16	<0.1	1.3	17.1	<1	<1
18/02/2025 00:46	<0.1	1.1	17.0	<1	<1
18/02/2025 02:16	<0.1	1.3	16.9	<1	<1
18/02/2025 03:46	<0.1	1.3	16.8	<1	<1

Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
08/02/2025 02:00	1019.6	-0.51	0.00	1.2
08/02/2025 03:00	1018.9	-0.50	0.00	1.3
08/02/2025 04:00	1018.6	-0.49	0.00	1.4
08/02/2025 05:00	1018.5	-0.45	0.00	1.5
08/02/2025 06:00	1018.2	-0.41	0.01	1.7
08/02/2025 07:00	1018.4	-0.35	0.00	1.8
08/02/2025 08:00	1018.7	-0.24	0.00	2.0
08/02/2025 09:00	1018.9	-0.17	0.00	2.5
08/02/2025 10:00	1018.8	-0.10	0.00	2.8
08/02/2025 11:00	1019.1	0.03	0.00	3.1
08/02/2025 12:00	1019.0	0.05	0.00	3.2
08/02/2025 13:00	1019.6	0.14	0.00	3.4
08/02/2025 14:00	1019.6	0.17	0.00	3.7
08/02/2025 15:00	1019.9	0.19	0.00	3.7
08/02/2025 16:00	1020.3	0.20	0.00	3.8
08/02/2025 17:00	1020.7	0.23	0.00	3.7
08/02/2025 18:00	1021.2	0.30	0.00	3.6
08/02/2025 19:00	1021.8	0.34	0.00	3.6
08/02/2025 20:00	1022.5	0.44	0.00	3.6
08/02/2025 21:00	1022.9	0.41	0.00	3.6
08/02/2025 22:00	1023.5	0.49	0.00	3.6
08/02/2025 23:00	1024.0	0.51	0.00	3.6
09/02/2025 00:00	1024.4	0.51	0.00	3.6
09/02/2025 01:00	1024.8	0.51	0.00	3.8
09/02/2025 02:00	1025.2	0.50	0.00	3.9
09/02/2025 03:00	1025.4	0.45	0.00	3.9
09/02/2025 04:00	1025.9	0.43	0.00	4.0
09/02/2025 05:00	1026.5	0.45	0.00	4.0
09/02/2025 06:00	1027.2	0.46	0.00	3.8
09/02/2025 07:00	1027.8	0.47	0.00	3.6
09/02/2025 08:00	1028.5	0.51	0.00	3.8
09/02/2025 09:00	1029.2	0.55	0.00	4.6
09/02/2025 10:00	1029.6	0.55	0.00	5.3
09/02/2025 11:00	1029.9	0.56	0.00	5.7
09/02/2025 12:00	1029.9	0.50	0.00	6.7
09/02/2025 13:00	1030.4	0.49	0.00	6.5
09/02/2025 14:00	1030.4	0.40	0.00	7.1
09/02/2025 15:00	1030.8	0.38	0.00	7.0
09/02/2025 16:00	1031.3	0.35	0.00	6.3
09/02/2025 17:00	1031.7	0.31	0.00	5.5
09/02/2025 18:00	1032.2	0.33	0.00	5.1
09/02/2025 19:00	1032.3	0.30	0.00	4.8
09/02/2025 20:00	1032.5	0.32	0.00	4.6
09/02/2025 21:00	1032.6	0.27	0.01	4.4
09/02/2025 22:00	1032.6	0.27	0.00	4.1
09/02/2025 23:00	1032.4	0.20	0.00	4.0
10/02/2025 00:00	1032.0	0.09	0.00	3.7
10/02/2025 01:00	1031.6	-0.01	0.00	4.1
10/02/2025 02:00	1031.1	-0.14	0.00	4.0
10/02/2025 03:00	1030.5	-0.22	0.00	3.8
10/02/2025 04:00	1030.0	-0.31	0.00	3.7
10/02/2025 05:00	1029.7	-0.36	0.00	3.7
10/02/2025 06:00	1029.2	-0.42	0.00	3.6
10/02/2025 07:00	1028.7	-0.46	0.00	3.6
10/02/2025 08:00	1028.6	-0.43	0.00	3.6
10/02/2025 09:00	1028.5	-0.39	0.01	3.7
10/02/2025 10:00	1028.0	-0.39	0.00	3.6
10/02/2025 11:00	1027.7	-0.35	0.00	3.8
10/02/2025 12:00	1027.0	-0.38	0.00	4.2
10/02/2025 13:00	1026.4	-0.41	0.00	3.7
10/02/2025 14:00	1025.7	-0.44	0.00	3.9
10/02/2025 15:00	1025.0	-0.46	0.00	3.9
10/02/2025 16:00	1024.7	-0.49	0.00	3.7
10/02/2025 17:00	1024.4	-0.51	0.00	3.4
10/02/2025 18:00	1024.2	-0.47	0.00	3.3
10/02/2025 19:00	1023.7	-0.50	0.00	3.2
10/02/2025 20:00	1023.6	-0.42	0.00	3.1
10/02/2025 21:00	1023.5	-0.36	0.00	2.9
10/02/2025 22:00	1023.4	-0.29	0.00	2.7
10/02/2025 23:00	1023.1	-0.24	0.00	2.6
11/02/2025 00:00	1022.6	-0.26	0.00	2.5
11/02/2025 01:00	1021.8	-0.33	0.00	2.6
11/02/2025 02:00	1021.6	-0.33	0.00	2.6
11/02/2025 03:00	1021.4	-0.29	0.00	2.7
11/02/2025 04:00	1020.9	-0.34	0.00	2.8
11/02/2025 05:00	1020.5	-0.38	0.00	2.8
11/02/2025 06:00	1020.1	-0.41	0.00	2.8
11/02/2025 07:00	1019.8	-0.41	0.00	2.9
11/02/2025 08:00	1020.0	-0.33	0.00	2.9
11/02/2025 09:00	1020.0	-0.22	0.00	3.2
11/02/2025 10:00	1020.0	-0.20	0.00	3.3
11/02/2025 11:00	1019.7	-0.21	0.00	3.8
11/02/2025 12:00	1019.6	-0.16	0.00	4.0
11/02/2025 13:00	1019.4	-0.14	0.00	4.0
11/02/2025 14:00	1019.0	-0.14	0.00	4.1

Date and Time	CH ₄	CO ₂	O ₂	CO	H ₂ S
	% v/v	% v/v	% v/v	ppm/v	ppm/v
18/02/2025 05:16	<0.1	1.3	16.7	<1	<1
18/02/2025 06:46	<0.1	1.3	16.6	<1	<1
18/02/2025 08:16	<0.1	1.1	16.4	<1	<1
18/02/2025 09:46	<0.1	1.1	16.1	<1	<1
18/02/2025 11:16	<0.1	1.6	16.1	<1	<1
18/02/2025 12:46	<0.1	1.6	16.3	<1	<1
18/02/2025 14:16	<0.1	1.6	16.6	<1	<1
18/02/2025 15:46	<0.1	1.6	16.9	<1	<1
18/02/2025 17:16	<0.1	1.3	17.3	<1	<1
18/02/2025 18:46	<0.1	1.3	17.4	<1	<1
18/02/2025 20:16	<0.1	1.3	17.3	<1	<1
18/02/2025 21:46	<0.1	1.3	17.3	<1	<1
18/02/2025 23:16	<0.1	1.3	17.2	<1	<1
19/02/2025 00:46	<0.1	1.3	17.1	<1	<1
19/02/2025 02:16	<0.1	1.3	17.0	<1	<1
19/02/2025 03:46	<0.1	1.1	16.9	<1	<1
19/02/2025 05:16	<0.1	1.1	16.8	<1	<1
19/02/2025 06:46	<0.1	1.1	16.7	<1	<1
19/02/2025 08:16	<0.1	1.3	16.7	<1	<1
19/02/2025 09:46	<0.1	1.3	16.6	<1	<1
19/02/2025 11:16	<0.1	1.3	16.6	<1	<1
19/02/2025 12:46	<0.1	1.3	16.7	<1	<1
19/02/2025 14:16	<0.1	1.3	16.7	<1	<1
19/02/2025 15:46	<0.1	1.3	16.8	<1	<1
19/02/2025 17:16	<0.1	1.3	16.9	<1	<1
19/02/2025 18:46	<0.1	1.3	17.0	<1	<1
19/02/2025 20:16	<0.1	1.3	17.0	<1	<1
19/02/2025 21:46	<0.1	1.3	17.0	<1	<1
19/02/2025 23:16	<0.1	1.3	17.0	<1	<1
20/02/2025 00:46	<0.1	1.3	17.0	<1	<1
20/02/2025 02:16	<0.1	1.3	17.0	<1	<1
20/02/2025 03:46	<0.1	1.3	17.0	<1	<1
20/02/2025 05:16	<0.1	1.3	17.1	<1	<1
20/02/2025 06:46	<0.1	1.3	17.1	<1	<1
20/02/2025 08:16	<0.1	1.3	17.2	<1	<1
20/02/2025 09:46	<0.1	1.3	17.2	<1	<1
20/02/2025 11:16	<0.1	1.3	17.2	<1	<1
20/02/2025 12:46	<0.1	1.3	17.3	<1	<1
20/02/2025 14:16	<0.1	1.3	17.4	<1	<1
20/02/2025 15:46	<0.1	1.3	17.5	<1	<1
20/02/2025 17:16	<0.1	1.3	17.6	<1	<1
20/02/2025 18:46	<0.1	1.3	17.7	<1	<1
20/02/2025 20:16	<0.1	1.3	17.7	<1	<1
20/02/2025 21:46	<0.1	1.3	17.7	<1	<1
20/02/2025 23:16	<0.1	1.3	17.6	<1	<1
21/02/2025 00:46	<0.1	1.3	17.5	<1	<1
21/02/2025 02:16	<0.1	1.3	17.4	<1	<1
21/02/2025 03:46	<0.1	1.3	17.4	<1	<1
21/02/2025 05:16	<0.1	1.3	17.4	<1	<1
21/02/2025 06:46	<0.1	1.3	17.4	<1	<1
21/02/2025 08:16	<0.1	1.3	17.3	<1	<1
21/02/2025 09:46	<0.1	1.3	17.3	<1	<1
21/02/2025 11:16	<0.1	1.6	17.3	<1	<1
21/02/2025 12:46	<0.1	1.6	17.3	<1	<1
21/02/2025 14:16	<0.1	1.3	17.5	<1	<1
21/02/2025 15:46	<0.1	1.3	17.6	<1	<1
21/02/2025 17:16	<0.1	1.3	17.6	<1	<1
21/02/2025 18:46	<0.1	1.3	17.7	<1	<1
21/02/2025 20:16	<0.1	1.3	17.7	<1	<1
21/02/2025 21:46	<0.1	1.3	17.7	<1	<1
21/02/2025 23:16	<0.1	1.3	17.7	<1	<1
22/02/2025 00:46	<0.1	1.3	17.6	<1	<1
22/02/2025 02:16	<0.1	1.3	17.6	<1	<1
22/02/2025 03:46	<0.1	1.3	17.5	<1	<1
22/02/2025 05:16	<0.1	1.3	17.5	<1	<1
22/02/2025 06:46	<0.1	1.3	17.5	<1	<1
22/02/2025 08:16	<0.1	1.3	17.4	<1	<1
22/02/2025 09:46	<0.1	1.6	17.4	<1	<1
22/02/2025 11:16	<0.1	1.6	17.3	<1	<1
22/02/2025 12:46	<0.1	1.6	17.2	<1	<1
22/02/2025 14:16	<0.1	1.6	17.3	<1	<1
22/02/2025 15:46	<0.1	1.6	17.6	<1	<1
22/02/2025 17:16	<0.1	1.6	17.9	<1	<1
22/02/2025 18:46	<0.1	1.3	18.0	<1	<1
22/02/2025 20:16	<0.1	1.3	17.9	<1	<1
22/02/2025 21:46	<0.1	1.3	17.7	<1	<1
22/02/2025 23:16	<0.1	1.5	17.6	<1	<1
23/02/2025 00:46	<0.1	1.5	17.4	<1	<1
23/02/2025 02:16	<0.1	1.5	17.3	<1	<1
23/02/2025 03:46	<0.1	1.5	17.2	<1	<1
23/02/2025 05:16	<0.1	1.5	17.1	<1	<1
23/02/2025 06:46	<0.1	1.5	17.0	<1	<1
23/02/2025 08:16	<0.1	1.6	17.0	<1	<1
23/02/2025 09:46	<0.1	1.5	16.9	<1	<1
23/02/2025 11:16	<0.1	1.6	16.9	<1	<1

Date and Time	Atmospheric Pressure	Average 8-hour atmospheric pressure change	Flow	Temperature
	mbar	mbar	Ltr/hr	°C
11/02/2025 15:00	1018.8	-0.13	0.00	3.9
11/02/2025 16:00	1018.8	-0.15	0.00	3.9
11/02/2025 17:00	1019.0	-0.13	0.00	3.6
11/02/2025 18:00	1019.3	-0.09	0.00	3.6
11/02/2025 19:00	1019.4	-0.04	0.00	3.4
11/02/2025 20:00	1019.6	0.00	0.00	2.6
11/02/2025 21:00	1019.8	0.05	0.00	2.3
11/02/2025 22:00	1019.9	0.11	0.00	2.8
11/02/2025 23:00	1020.1	0.16	0.00	2.9
12/02/2025 00:00	1020.1	0.16	0.00	2.9
12/02/2025 01:00	1020.0	0.13	0.00	3.3
12/02/2025 02:00	1019.9	0.08	0.00	3.3
12/02/2025 03:00	1019.8	0.05	0.00	3.1
12/02/2025 04:00	1019.7	0.01	0.00	3.1
12/02/2025 05:00	1019.6	-0.02	0.00	3.1
12/02/2025 06:00	1019.7	-0.02	0.00	3.0
12/02/2025 07:00	1019.8	-0.04	0.00	2.8
12/02/2025 08:00	1020.1	0.00	0.00	3.0
12/02/2025 09:00	1020.4	0.05	0.00	3.5
12/02/2025 10:00	1020.7	0.10	0.00	3.9
12/02/2025 11:00	1020.8	0.13	0.00	4.8
12/02/2025 12:00	1020.7	0.13	0.00	5.4
12/02/2025 13:00	1020.4	0.10	0.00	5.4
12/02/2025 14:00	1020.3	0.07	0.00	5.5
12/02/2025 15:00	1020.5	0.09	0.00	5.1
12/02/2025 16:00	1020.8	0.09	0.00	4.8
12/02/2025 17:00	1021.1	0.09	0.00	4.4
12/02/2025 18:00	1021.7	0.13	0.00	4.2
12/02/2025 19:00	1022.0	0.15	0.00	3.8
12/02/2025 20:00	1022.2	0.19	0.00	3.2
12/02/2025 21:00	1022.5	0.26	0.00	3.2
12/02/2025 22:00	1023.0	0.34	0.00	2.7
12/02/2025 23:00	1023.2	0.34	0.00	2.5
13/02/2025 00:00	1023.5	0.34	0.00	2.7
13/02/2025 01:00	1023.2	0.26	0.00	2.5
13/02/2025 02:00	1023.4	0.21	0.00	2.8
13/02/2025 03:00	1023.5	0.19	0.00	3.0
13/02/2025 04:00	1023.7	0.19	0.00	2.4
13/02/2025 05:00	1023.7	0.15	0.00	2.1
13/02/2025 06:00	1023.9	0.11	0.00	1.7
13/02/2025 07:00	1024.1	0.11	0.00	1.7
13/02/2025 08:00	1024.6	0.14	0.00	1.6
13/02/2025 09:00	1024.9	0.21	0.00	2.2
13/02/2025 10:00	1025.1	0.21	0.00	2.8
13/02/2025 11:00	1025.3	0.22	0.00	3.1
13/02/2025 12:00	1025.2	0.19	0.00	3.4
13/02/2025 13:00	1025.0	0.16	0.00	3.4
13/02/2025 14:00	1024.7	0.10	0.00	3.5
13/02/2025 15:00	1024.5	0.05	0.00	3.3
13/02/2025 16:00	1024.5	-0.01	0.00	3.2
13/02/2025 17:00	1024.4	-0.06	0.00	2.9
13/02/2025 18:00	1024.5	-0.07	0.00	2.6
13/02/2025 19:00	1025.1	-0.03	0.00	2.3
13/02/2025 20:00	1025.1	-0.01	0.00	1.9
13/02/2025 21:00	1025.1	0.01	0.00	1.6
13/02/2025 22:00	1025.4	0.09	0.00	1.7
13/02/2025 23:00	1025.3	0.10	0.00	1.6
14/02/2025 00:00	1025.4	0.11	0.00	0.9
14/02/2025 01:00	1025.6	0.15	0.00	0.9
14/02/2025 02:00	1025.5	0.13	0.00	-0.1
14/02/2025 03:00	1025.3	0.03	0.00	-0.8
14/02/2025 04:00	1024.9	-0.02	0.00	-0.6
14/02/2025 05:00	1025.1	0.00	0.00	-0.2
14/02/2025 06:00	1025.0	-0.05	0.00	0.4
14/02/2025 07:00	1025.0	-0.04	0.00	0.4
14/02/2025 08:00	1025.5	0.01	0.00	0.8
14/02/2025 09:00	1025.5	-0.01	0.00	1.7
14/02/2025 10:00	1025.6	0.01	0.00	2.5
14/02/2025 11:00	1025.4	0.01	0.00	2.9
14/02/2025 12:00	1025.6	0.09	0.00	3.1
14/02/2025 13:00	1025.1	0.00	0.00	3.9
14/02/2025 14:00	1024.5	-0.06	0.00	4.1
14/02/2025 15:00	1024.0	-0.13	0.00	4.0
14/02/2025 16:00	1023.7	-0.22	0.00	3.5
14/02/2025 17:00	1023.6	-0.24	0.00	3.3
14/02/2025 18:00	1023.9	-0.21	0.00	3.2
14/02/2025 19:00	1024.2	-0.15	0.00	2.9
14/02/2025 20:00	1024.2	-0.17	0.00	2.6
14/02/2025 21:00	1024.1	-0.13	0.00	2.3
14/02/2025 22:00	1024.0	-0.06	0.00	1.8
14/02/2025 23:00	1023.8	-0.03	0.00	1.4
15/02/2025 00:00	1023.6	-0.01	0.00	1.5
15/02/2025 01:00	1022.7	-0.11	0.00	1.7
15/02/2025 02:00	1022.4	-0.19	0.00	1.6
15/02/2025 03:00	1021.8	-0.30	0.00	1.8

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
23/02/2025 12:46	<0.1	1.6	16.9	<1	<1
23/02/2025 14:16	<0.1	1.6	17.0	<1	<1
23/02/2025 15:46	<0.1	1.6	17.1	<1	<1
23/02/2025 17:16	<0.1	1.6	17.1	<1	<1
23/02/2025 18:46	<0.1	1.6	17.2	<1	<1
23/02/2025 20:16	<0.1	1.6	17.2	<1	<1
23/02/2025 21:46	<0.1	1.6	17.2	<1	<1
23/02/2025 23:16	<0.1	1.6	17.3	<1	<1
24/02/2025 00:46	<0.1	1.6	17.3	<1	<1
24/02/2025 02:16	<0.1	1.6	17.3	<1	<1
24/02/2025 03:46	<0.1	1.6	17.3	<1	<1
24/02/2025 05:16	<0.1	1.6	17.3	<1	<1
24/02/2025 06:46	<0.1	1.6	17.2	<1	<1
24/02/2025 08:16	<0.1	1.6	17.2	<1	<1
24/02/2025 09:46	<0.1	1.6	17.2	<1	<1
24/02/2025 11:16	<0.1	1.6	17.1	<1	<1
24/02/2025 12:46	<0.1	1.6	17.1	<1	<1
24/02/2025 14:16	<0.1	2.0	17.2	<1	<1
24/02/2025 15:46	<0.1	1.6	17.3	<1	<1
24/02/2025 17:16	<0.1	1.6	17.6	<1	<1
24/02/2025 18:46	<0.1	1.6	17.6	<1	<1
24/02/2025 20:16	<0.1	1.6	17.6	<1	<1
24/02/2025 21:46	<0.1	1.6	17.5	<1	<1
24/02/2025 23:16	<0.1	1.6	17.3	<1	<1
25/02/2025 00:46	<0.1	1.6	17.2	<1	<1
25/02/2025 02:16	<0.1	1.6	17.2	<1	<1
25/02/2025 03:46	<0.1	1.5	17.1	<1	<1
25/02/2025 05:16	<0.1	1.5	17.1	<1	<1
25/02/2025 06:46	<0.1	1.5	17.1	<1	<1
25/02/2025 08:16	<0.1	1.5	17.1	<1	<1
25/02/2025 09:46	<0.1	1.5	16.6	<1	<1
25/02/2025 11:16	<0.1	1.9	16.6	<1	<1
25/02/2025 12:46	<0.1	2.0	17.0	<1	<1
25/02/2025 14:16	<0.1	1.9	17.1	<1	<1
25/02/2025 15:46	<0.1	1.9	17.3	<1	<1
25/02/2025 17:16	<0.1	1.6	17.5	<1	<1
25/02/2025 18:46	<0.1	1.6	17.6	<1	<1
25/02/2025 20:16	<0.1	1.6	17.5	<1	<1
25/02/2025 21:46	<0.1	1.5	17.5	<1	<1
25/02/2025 23:16	<0.1	1.5	17.3	<1	<1
26/02/2025 00:46	<0.1	1.5	17.1	<1	<1
26/02/2025 02:16	<0.1	1.5	16.9	<1	<1
26/02/2025 03:46	<0.1	1.5	16.8	<1	<1
26/02/2025 05:16	<0.1	1.5	16.7	<1	<1
26/02/2025 06:46	<0.1	1.5	16.5	<1	<1
26/02/2025 08:16	<0.1	1.5	16.5	<1	<1
26/02/2025 09:46	<0.1	1.5	16.4	<1	<1

Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
15/02/2025 04:00	1021.3	-0.36	0.00	2.0
15/02/2025 05:00	1020.9	-0.40	0.00	1.9
15/02/2025 06:00	1020.5	-0.44	0.00	2.0
15/02/2025 07:00	1020.3	-0.44	0.00	2.1
15/02/2025 08:00	1020.2	-0.42	0.00	2.2
15/02/2025 09:00	1020.3	-0.30	0.00	2.4
15/02/2025 10:00	1020.0	-0.30	0.00	2.7
15/02/2025 11:00	1019.6	-0.27	0.00	3.0
15/02/2025 12:00	1019.1	-0.27	0.00	3.6
15/02/2025 13:00	1018.6	-0.29	0.00	3.5
15/02/2025 14:00	1018.4	-0.26	0.00	3.5
15/02/2025 15:00	1018.0	-0.29	0.00	3.4
15/02/2025 16:00	1017.9	-0.29	0.00	3.4
15/02/2025 17:00	1017.9	-0.30	0.00	3.3
15/02/2025 18:00	1017.9	-0.26	0.00	3.2
15/02/2025 19:00	1018.1	-0.19	0.00	3.2
15/02/2025 20:00	1018.0	-0.14	0.00	3.1
15/02/2025 21:00	1018.3	-0.04	0.00	3.0
15/02/2025 22:00	1018.7	0.04	0.00	2.9
15/02/2025 23:00	1018.9	0.11	0.00	2.7
16/02/2025 00:00	1018.9	0.13	0.00	2.4
16/02/2025 01:00	1019.3	0.17	0.00	2.0
16/02/2025 02:00	1019.2	0.16	0.00	1.8
16/02/2025 03:00	1019.2	0.14	0.00	1.6
16/02/2025 04:00	1019.3	0.16	0.00	1.6
16/02/2025 05:00	1019.5	0.15	0.00	1.5
16/02/2025 06:00	1019.8	0.14	0.00	1.4
16/02/2025 07:00	1020.2	0.16	0.00	1.3
16/02/2025 08:00	1020.9	0.25	0.00	1.3
16/02/2025 09:00	1020.8	0.19	0.00	1.8
16/02/2025 10:00	1021.3	0.26	0.00	2.2
16/02/2025 11:00	1021.7	0.31	0.00	2.9
16/02/2025 12:00	1021.8	0.31	0.00	3.1
16/02/2025 13:00	1021.9	0.30	0.00	2.8
16/02/2025 14:00	1021.9	0.26	0.00	3.1
16/02/2025 15:00	1021.7	0.19	0.00	3.4
16/02/2025 16:00	1021.6	0.09	0.00	3.3
16/02/2025 17:00	1021.9	0.14	0.00	2.8
16/02/2025 18:00	1022.4	0.14	0.00	2.2
16/02/2025 19:00	1022.8	0.14	0.00	1.6
16/02/2025 20:00	1022.8	0.13	0.00	1.0
16/02/2025 21:00	1023.0	0.14	0.00	0.5
16/02/2025 22:00	1023.3	0.17	0.01	0.2
16/02/2025 23:00	1023.3	0.20	0.00	-0.2
17/02/2025 00:00	1023.1	0.19	0.00	-1.1
17/02/2025 01:00	1023.0	0.14	0.01	-1.3
17/02/2025 02:00	1023.0	0.08	0.00	-1.7
17/02/2025 03:00	1022.9	0.01	0.00	-1.7
17/02/2025 04:00	1022.5	-0.04	0.00	-1.9
17/02/2025 05:00	1022.4	-0.08	0.00	-2.0
17/02/2025 06:00	1022.5	-0.10	0.00	-1.9
17/02/2025 07:00	1022.4	-0.11	0.00	-1.9
17/02/2025 08:00	1022.8	-0.04	0.00	-1.3
17/02/2025 09:00	1022.8	-0.03	0.00	0.4
17/02/2025 10:00	1023.1	0.01	0.00	2.0
17/02/2025 11:00	1023.1	0.03	0.00	2.9
17/02/2025 12:00	1023.0	0.06	0.00	3.4
17/02/2025 13:00	1022.5	0.01	0.00	4.3
17/02/2025 14:00	1021.9	-0.08	0.00	4.6
17/02/2025 15:00	1021.6	-0.10	0.00	4.6
17/02/2025 16:00	1021.7	-0.14	0.00	4.1
17/02/2025 17:00	1022.1	-0.09	0.00	2.9
17/02/2025 18:00	1022.5	-0.08	0.00	1.8
17/02/2025 19:00	1022.7	-0.05	0.00	1.3
17/02/2025 20:00	1023.0	0.00	0.00	0.6
17/02/2025 21:00	1023.1	0.08	0.00	-0.3
17/02/2025 22:00	1023.4	0.19	0.00	-0.8
17/02/2025 23:00	1023.2	0.20	0.00	-0.9
18/02/2025 00:00	1023.1	0.17	0.00	-1.0
18/02/2025 01:00	1022.9	0.10	0.00	-1.1
18/02/2025 02:00	1022.8	0.04	0.00	-1.0
18/02/2025 03:00	1022.4	-0.04	0.00	-1.3
18/02/2025 04:00	1022.4	-0.08	0.00	-1.2
18/02/2025 05:00	1022.3	-0.10	0.00	-1.7
18/02/2025 06:00	1022.4	-0.13	0.00	-1.7
18/02/2025 07:00	1022.3	-0.11	0.00	-1.8
18/02/2025 08:00	1022.4	-0.09	0.00	-1.0
18/02/2025 09:00	1022.1	-0.10	0.00	0.4
18/02/2025 10:00	1021.8	-0.13	0.00	1.8
18/02/2025 11:00	1021.6	-0.10	0.00	3.0
18/02/2025 12:00	1021.2	-0.15	0.00	4.1
18/02/2025 13:00	1020.8	-0.19	0.00	4.6
18/02/2025 14:00	1020.1	-0.29	0.00	5.2
18/02/2025 15:00	1019.6	-0.34	0.00	5.5
18/02/2025 16:00	1019.3	-0.39	0.00	5.2

ggs
Experts in Continuous Monitoring

Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
18/02/2025 17:00	1019.2	-0.36	0.00	4.0
18/02/2025 18:00	1019.1	-0.34	0.00	2.8
18/02/2025 19:00	1019.2	-0.30	0.00	1.9
18/02/2025 20:00	1019.0	-0.28	0.00	1.3
18/02/2025 21:00	1018.7	-0.26	0.00	1.0
18/02/2025 22:00	1018.7	-0.17	0.00	0.7
18/02/2025 23:00	1018.3	-0.16	0.00	0.8
19/02/2025 00:00	1018.0	-0.16	0.00	0.9
19/02/2025 01:00	1017.4	-0.23	0.00	0.8
19/02/2025 02:00	1017.0	-0.26	0.00	0.8
19/02/2025 03:00	1016.3	-0.36	0.00	0.6
19/02/2025 04:00	1015.9	-0.39	0.00	0.4
19/02/2025 05:00	1015.7	-0.38	0.00	0.2
19/02/2025 06:00	1015.4	-0.41	0.00	0.3
19/02/2025 07:00	1015.4	-0.36	0.00	-0.1
19/02/2025 08:00	1015.4	-0.33	0.00	0.5
19/02/2025 09:00	1015.3	-0.26	0.00	1.5
19/02/2025 10:00	1014.8	-0.28	0.00	2.6
19/02/2025 11:00	1014.8	-0.19	0.00	3.4
19/02/2025 12:00	1015.0	-0.11	0.00	4.4
19/02/2025 13:00	1014.9	-0.10	0.00	3.6
19/02/2025 14:00	1014.5	-0.11	0.00	4.3
19/02/2025 15:00	1014.3	-0.14	0.00	5.0
19/02/2025 16:00	1014.1	-0.16	0.00	5.8
19/02/2025 17:00	1014.1	-0.15	0.00	6.0
19/02/2025 18:00	1014.1	-0.09	0.00	5.8
19/02/2025 19:00	1013.4	-0.17	0.00	6.5
19/02/2025 20:00	1013.1	-0.24	0.00	6.3
19/02/2025 21:00	1013.0	-0.24	0.00	6.3
19/02/2025 22:00	1013.0	-0.19	0.00	6.7
19/02/2025 23:00	1012.3	-0.25	0.00	7.1
20/02/2025 00:00	1012.1	-0.25	0.00	7.4
20/02/2025 01:00	1011.9	-0.28	0.00	7.8
20/02/2025 02:00	1011.3	-0.35	0.00	8.4
20/02/2025 03:00	1010.6	-0.35	0.00	9.0
20/02/2025 04:00	1010.0	-0.39	0.00	9.4
20/02/2025 05:00	1009.4	-0.45	0.00	9.8
20/02/2025 06:00	1009.2	-0.47	0.00	10.4
20/02/2025 07:00	1009.2	-0.39	0.00	10.6
20/02/2025 08:00	1009.5	-0.33	0.00	11.1
20/02/2025 09:00	1009.4	-0.31	0.00	11.4
20/02/2025 10:00	1009.4	-0.24	0.00	11.8
20/02/2025 11:00	1008.9	-0.21	0.00	12.1
20/02/2025 12:00	1008.8	-0.15	0.00	12.6
20/02/2025 13:00	1008.5	-0.11	0.00	13.1
20/02/2025 14:00	1008.0	-0.15	0.00	13.7
20/02/2025 15:00	1008.1	-0.14	0.00	13.8
20/02/2025 16:00	1008.7	-0.10	0.00	13.1
20/02/2025 17:00	1009.3	-0.01	0.00	12.8
20/02/2025 18:00	1010.7	0.16	0.00	12.4
20/02/2025 19:00	1011.8	0.36	0.00	11.9
20/02/2025 20:00	1012.5	0.46	0.00	11.1
20/02/2025 21:00	1013.1	0.58	0.00	10.3
20/02/2025 22:00	1013.0	0.63	0.00	10.1
20/02/2025 23:00	1012.4	0.54	0.00	10.8
21/02/2025 00:00	1012.5	0.47	0.00	10.5
21/02/2025 01:00	1012.2	0.36	0.00	10.4
21/02/2025 02:00	1011.2	0.06	0.00	10.6
21/02/2025 03:00	1010.4	-0.17	0.00	10.9
21/02/2025 04:00	1009.8	-0.34	0.00	11.1
21/02/2025 05:00	1008.7	-0.55	0.00	11.3
21/02/2025 06:00	1007.8	-0.65	0.00	11.5
21/02/2025 07:00	1006.9	-0.69	0.00	11.7
21/02/2025 08:00	1006.7	-0.72	0.00	11.9
21/02/2025 09:00	1006.2	-0.75	0.00	12.4
21/02/2025 10:00	1005.7	-0.69	0.00	13.0
21/02/2025 11:00	1004.7	-0.71	0.00	13.0
21/02/2025 12:00	1003.6	-0.77	0.00	13.8
21/02/2025 13:00	1002.7	-0.75	0.00	14.2
21/02/2025 14:00	1002.0	-0.72	0.00	13.5
21/02/2025 15:00	1001.6	-0.66	0.00	13.4
21/02/2025 16:00	1001.8	-0.61	0.00	13.2
21/02/2025 17:00	1002.3	-0.49	0.00	12.9
21/02/2025 18:00	1003.0	-0.34	0.00	12.3
21/02/2025 19:00	1003.7	-0.13	0.00	11.8
21/02/2025 20:00	1004.4	0.10	0.00	11.3
21/02/2025 21:00	1005.2	0.31	0.00	11.0
21/02/2025 22:00	1005.7	0.46	0.00	10.5
21/02/2025 23:00	1006.0	0.55	0.00	10.0
22/02/2025 00:00	1005.9	0.51	0.00	9.8
22/02/2025 01:00	1006.2	0.49	0.00	9.1
22/02/2025 02:00	1006.2	0.40	0.00	8.9
22/02/2025 03:00	1005.9	0.27	0.00	8.3
22/02/2025 04:00	1006.4	0.25	-0.01	8.2
22/02/2025 05:00	1006.7	0.19	0.00	8.0



Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
22/02/2025 06:00	1007.4	0.21	0.00	7.6
22/02/2025 07:00	1008.2	0.28	0.00	7.6
22/02/2025 08:00	1008.8	0.36	0.00	7.7
22/02/2025 09:00	1009.7	0.44	0.00	8.3
22/02/2025 10:00	1010.4	0.52	0.00	9.2
22/02/2025 11:00	1011.1	0.65	0.00	9.7
22/02/2025 12:00	1011.4	0.63	0.00	10.7
22/02/2025 13:00	1012.0	0.66	0.00	11.9
22/02/2025 14:00	1012.6	0.65	0.00	12.1
22/02/2025 15:00	1013.2	0.63	0.00	12.0
22/02/2025 16:00	1014.0	0.65	0.00	11.6
22/02/2025 17:00	1015.0	0.66	0.00	10.4
22/02/2025 18:00	1016.2	0.73	0.00	8.7
22/02/2025 19:00	1017.3	0.77	0.00	8.1
22/02/2025 20:00	1018.2	0.85	0.00	7.4
22/02/2025 21:00	1018.9	0.86	0.00	6.7
22/02/2025 22:00	1019.4	0.85	0.00	6.2
22/02/2025 23:00	1020.2	0.88	0.00	5.9
23/02/2025 00:00	1020.5	0.81	0.00	5.7
23/02/2025 01:00	1020.8	0.72	0.00	5.8
23/02/2025 02:00	1020.9	0.59	0.00	5.5
23/02/2025 03:00	1020.5	0.40	0.00	5.5
23/02/2025 04:00	1019.9	0.21	0.00	5.8
23/02/2025 05:00	1019.5	0.08	0.00	6.1
23/02/2025 06:00	1018.6	-0.10	0.00	6.6
23/02/2025 07:00	1018.5	-0.21	0.00	7.5
23/02/2025 08:00	1018.7	-0.22	0.00	7.9
23/02/2025 09:00	1017.8	-0.38	0.00	8.4
23/02/2025 10:00	1016.8	-0.51	0.00	8.8
23/02/2025 11:00	1016.1	-0.55	0.00	9.5
23/02/2025 12:00	1015.2	-0.59	0.00	9.4
23/02/2025 13:00	1014.1	-0.67	0.00	10.0
23/02/2025 14:00	1013.3	-0.66	0.00	10.2
23/02/2025 15:00	1012.7	-0.72	0.00	9.8
23/02/2025 16:00	1011.7	-0.88	0.00	9.4
23/02/2025 17:00	1011.1	-0.84	0.00	9.4
23/02/2025 18:00	1010.8	-0.75	0.00	9.5
23/02/2025 19:00	1010.8	-0.66	0.00	9.6
23/02/2025 20:00	1010.4	-0.60	0.00	9.7
23/02/2025 21:00	1010.0	-0.51	0.00	9.9
23/02/2025 22:00	1009.9	-0.42	0.00	9.9
23/02/2025 23:00	1009.7	-0.38	0.00	10.2
24/02/2025 00:00	1009.0	-0.34	0.00	10.1
24/02/2025 01:00	1009.5	-0.20	0.00	9.2
24/02/2025 02:00	1009.2	-0.20	0.00	9.1
24/02/2025 03:00	1008.6	-0.27	0.00	8.9
24/02/2025 04:00	1007.7	-0.34	0.00	8.5
24/02/2025 05:00	1007.8	-0.28	0.00	8.4
24/02/2025 06:00	1007.6	-0.29	0.00	8.5
24/02/2025 07:00	1007.1	-0.33	0.00	8.6
24/02/2025 08:00	1007.4	-0.20	0.00	8.6
24/02/2025 09:00	1007.5	-0.25	0.00	9.1
24/02/2025 10:00	1007.8	-0.18	0.06	9.6
24/02/2025 11:00	1008.1	-0.06	0.07	10.3
24/02/2025 12:00	1008.0	0.04	0.08	10.8
24/02/2025 13:00	1009.2	0.18	0.03	9.8
24/02/2025 14:00	1009.2	0.20	0.05	10.7
24/02/2025 15:00	1009.4	0.29	0.01	11.2
24/02/2025 16:00	1009.6	0.28	0.00	11.0
24/02/2025 17:00	1009.7	0.28	0.00	9.8
24/02/2025 18:00	1010.2	0.30	0.00	8.5
24/02/2025 19:00	1010.3	0.27	0.01	7.7
24/02/2025 20:00	1010.6	0.33	0.01	7.4
24/02/2025 21:00	1010.6	0.17	0.00	6.9
24/02/2025 22:00	1010.7	0.19	0.00	6.7
24/02/2025 23:00	1010.9	0.19	0.00	6.5
25/02/2025 00:00	1010.8	0.15	0.00	6.3
25/02/2025 01:00	1010.9	0.15	0.00	6.8
25/02/2025 02:00	1010.7	0.06	0.00	6.6
25/02/2025 03:00	1010.5	0.03	0.00	6.3
25/02/2025 04:00	1010.5	-0.01	0.00	6.1
25/02/2025 05:00	1010.4	-0.03	0.00	5.7
25/02/2025 06:00	1010.7	0.00	0.00	5.2
25/02/2025 07:00	1011.3	0.05	0.00	4.8
25/02/2025 08:00	1011.6	0.10	0.00	4.9
25/02/2025 09:00	1012.2	0.16	0.00	6.0
25/02/2025 10:00	1012.7	0.25	0.00	7.1
25/02/2025 11:00	1013.1	0.33	0.00	8.1
25/02/2025 12:00	1013.1	0.33	0.00	9.0
25/02/2025 13:00	1013.4	0.38	0.00	9.1
25/02/2025 14:00	1013.2	0.31	0.00	9.6
25/02/2025 15:00	1013.3	0.25	0.00	9.5
25/02/2025 16:00	1013.6	0.25	0.00	9.0
25/02/2025 17:00	1013.9	0.21	0.00	7.8
25/02/2025 18:00	1014.6	0.24	0.00	6.0



Date and Time	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	CO ppm/v	H ₂ S ppm/v
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Date and Time	Atmospheric Pressure mbar	Average 8-hour atmospheric pressure change mbar	Flow Ltr/hr	Temperature °C
25/02/2025 19:00	1015.2	0.26	0.00	5.5
25/02/2025 20:00	1015.8	0.34	0.00	4.9
25/02/2025 21:00	1016.2	0.35	0.00	4.4
25/02/2025 22:00	1016.4	0.40	0.00	3.6
25/02/2025 23:00	1016.3	0.38	0.00	3.2
26/02/2025 00:00	1016.2	0.33	0.00	2.9
26/02/2025 01:00	1016.5	0.33	0.00	2.6
26/02/2025 02:00	1016.2	0.20	0.00	2.2
26/02/2025 03:00	1015.3	0.01	0.00	1.8
26/02/2025 04:00	1014.4	-0.17	0.00	1.5
26/02/2025 05:00	1013.8	-0.30	0.00	2.1
26/02/2025 06:00	1012.6	-0.47	0.00	2.8
26/02/2025 07:00	1012.1	-0.52	0.00	2.6
26/02/2025 08:00	1011.4	-0.60	0.00	3.7
26/02/2025 09:00	1010.7	-0.72	0.00	4.5
26/02/2025 10:00	1009.9	-0.79	0.00	5.1



Appendix E

Calibration Certificates

CALIBRATION CERTIFICATE:

Certificate ref.	CGDTCAL_25/09/14
Issued By:	CGD Technology Limited
Date:	13/01/2025
Staff:	Varghese Abraham
Instrument:	GasClam
Serial Number:	25/09/2014



Calibration Results			
Sensor	Lot No.	Reference Value	Indicated Value
Hydrogen sulphide	C24438	124	123
Carbon monoxide	C22238	42	40
Methane	C322626	59.33	58.1
Carbon dioxide	C322626	40.67	37.1
Oxygen	C322626	0	0
Isobutylene	-	-	-
Atmospheric pressure	VAISALA-PTU301	1025.36	1025
Borehole pressure	VAISALA-PTU301	1025.36	1025
Temperature	VAISALA-PTU301	19.3	16.3

Comments:

Prior to calibration the GasClam was allowed to stabilise in ambient air for 1 hour taking measurements at 3 minute intervals.

The Instrument was calibrated by exposing the sensors to known values of gas concentrations.

Pressure was calibrated using a known artificially generated higher pressure.

The reference values are those generated by the certified source and indicated values are those measured by the GasClam.

Uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2

This provides a level of confidence of uncertainty of approximately 95%

Ambient conditions	
Temperature	19.3
Atmospheric Pressure	1025.36
Relative Humidity	32.3

CGDT Technology Ltd, Pythia House (unit 10)
Bamford Business Park, Hibbert street
Stockport, SK4 1PL

CALIBRATION CERTIFICATE:

Certificate ref.	CGDTCAL_42/06/18
Issued By:	CGD Technology Limited
Date:	21/01/2025
Staff:	Varghese Abraham
Instrument:	GasClam
Serial Number:	42/06/18



Calibration Results			
Sensor	Lot No.	Reference Value	Indicated Value
Hydrogen sulphide	C24438	124	125
Carbon monoxide	C22238	42	42
Methane	C322626	59.33	60.6
Carbon dioxide	C322626	40.67	38.2
Oxygen	C322626	0	0
Isobutylene	-	-	-
Atmospheric pressure	VAISALA-PTU301	1003.2	1000
Borehole pressure	VAISALA-PTU301	1003.2	1004
Temperature	VAISALA-PTU301	19.9	21.6

Comments:

Prior to calibration the GasClam was allowed to stabilise in ambient air for 1 hour taking measurements at 3 minute intervals.

The Instrument was calibrated by exposing the sensors to known values of gas concentrations.

Pressure was calibrated using a known artificially generated higher pressure.

The reference values are those generated by the certified source and indicated values are those measured by the GasClam.

Uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2

This provides a level of confidence of uncertainty of approximately 95%

Ambient conditions	
Temperature	19.9
Atmospheric Pressure	1003.2
Relative Humidity	32.3

CGDT Technology Ltd, Pythia House (unit 10)
Bamford Business Park, Hibbert street
Stockport, SK4 1PL

TEST DATE AND CONDITIONS			
Date		24/01/2025	
Atmospheric Pressure		970	mB
Ambient Temperature		22.1	°C
EnviroNics Serial No.		5089	

**GFM435 Final Inspection & Calibration
Check Certificate**

GAS DATA LTD	
Unit D	
Earlplace Business Park	
Fletchamstead Highway	
Coventry	
CV4 9XL	
Tel 02476303311	Fax 02476307711



GAS DATA
LISTEN • ANALYSE • INFORM

Customer	Ground Gas Solutions Ltd
Certificate Number	125877
Order Number	341001

Serial Number	11028
Software Version	G435-00.0024/0004

Recalibration DUE Date
24/01/26

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	500	Accept > 200 cc/min	Pump Flow @ -200mB	300	Accept > 200 cc/min
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
Sensor	CH ₄		CO ₂		O ₂	
	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %
	Readings %		Readings %		Readings %	
	60.0	60	39.8	40	20.9	20.9
	Accept ±3.0		Accept ±3.0		Accept ±0.5	
	5.1	5	5.1	5	6.0	6
	Accept ±0.3		Accept ±0.3		Accept ±0.3	
Zero Reading 100% N2	0.0	0	0.0	0	0.0	0
	Accept ±0.0		Accept ±0.0		Accept ±0.1	

Optional Gas Checks						
Applied Gas & Range		Concentration Tested @ (ppm)	Instrument Readings (ppm)			
Gas Type	Range (ppm)		Zero Reading		Instrument Gas Reading	
H2S	5000	1500	0	Accept ±0.0	1500	Accept ±5.0%
CO	2000	1000	0	Accept ±0.0	996	Accept ±5.0%
Hexane	2.0%	2.0%	0	Accept ±0.0	1.99	Accept ±10.0%

Cross Gas Effects									
Applied Gas (ppm)		Instrument Readings (ppm)							
Gas Type	Concentration	Toxic 1:	H2S	Toxic 2:	CO	Toxic 3:	HEX		
H2S	1500	1500		0		0			
CO	1000	80		996		0			
Hexane	2.0%	0		0		1.99			

Pressure Checks			
Atmospheric Pressure [AP] (mB)			
Current Atmospheric Pressure (mB)		Instrument Atmospheric Pressure Reading (mB)	
AP Open Ports		970	Accept ± 2.0
AP Port (Internal)	+800 mB	800	Accept ± 5.0
	+1200 mB	1200	Accept ± 5.0

Flow Checks					
Borehole Flow			Differential Pressure		
Applied Reading (l/h)	Instrument Reading (l/h)		Applied Pressure (Pa)	Instrument Reading (Pa)	
-30	-30.1	Accept ± 3.0	-262	-265	Accept ± 50
-3	-3.0	Accept ± 1.0	-12	-12	Accept ± 6.0
0	0.0	Accept ± 0.0	0	0	Accept ± 0.5
3	3.0	Accept ± 0.5	12	12	Accept ± 3.0
30	30.0	Accept ± 3.0	273	272	Accept ± 50
60	60.0	Accept ± 6.0	821	820	Accept ± 130
90	90.9	Accept ± 9.0	1618	1664	Accept ± 250

Temperature Checks		
Calibration Temperature	Instrument Temperature Reading $^{\circ}\text{C}$	
Applied Temperature $^{\circ}\text{C}$		
-10	-10.0	Accept ± 2.0
0	0.0	Accept ± 1.0
30	30.0	Accept ± 1.0
60	60.0	Accept ± 1.0
100	100.0	Accept ± 1.0

Technician:
<i>Jack Rutland</i>

Date Tested:
<i>24/01/2025</i>

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015, BS EN ISO14001:2015, BS EN ISO45001:2018 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to BS EN ISO9001:2015, BS EN ISO14001:2015, BS EN ISO45001:2018.

Appendix F

Gas Clam® Instrumentation Overview & Deployment Information

GGG GasClam® Instrumentation Overview & Deployment Information



Introduction

GGG GasClam® instruments are high frequency in situ borehole gas monitoring devices, suitable for detection of a wide range of ground gases commonly found in borehole monitoring. The equipment is ATEX approved and IP68 rated and can operate safely in explosive atmospheres and survive flooding environments. They can also be secured to building walls or placed internally to monitor sub-floor spaces or indoor air.

GGG currently have three versions of the instrument, a bulk gas version which monitors methane, carbon dioxide and oxygen; a trace gas version which also includes sensors for hydrogen sulphide, carbon monoxide and total volatile organic compounds; and a specialized instrument that can monitor methane and carbon dioxide between 0 – 5%v/v at a high resolution of 0.05% in addition to the other gases. All versions record atmospheric pressure, borehole pressure and temperature as standard.

Should your site be influenced by water level changes (e.g. tidal or flooding), GGS can also provide water level logging alongside the high frequency ground gas data if required.

GasClam® Sensor Specifications, Service and Maintenance

The GGS GasClam® instruments are serviced and calibrated annually. Routine maintenance including the replacement of filters and operational checks are carried out at regular intervals and prior to deployment at a site. Copies of the calibration certificates for the instruments used on site are included as standard within reporting. Details of the sensor specification are provided below:

Sensor	Method / Type	Range	Resolution
Methane (0-100%)	Infrared	0 - 100%v/v	1% of measuring range above 50%, 0.5% below 50%
#Methane (0-5%)	Infrared	0-5%v/v	0.05%
Carbon Dioxide (0-100%)	Infrared	0 - 100%v/v	1% of measuring range above 50%, 0.5% below 50%
#Carbon Dioxide (0-5%)	Infrared	0-5%v/v	0.05%
Oxygen	Electrochemical	0 - 25%v/v	0.1%
*Hydrogen Sulphide	Electrochemical	0 - 100ppmv	1ppmv
*Carbon Monoxide	Electrochemical	0 - 1000ppmv	1ppmv
*Total Volatile Organic Compounds	PID	0 - 4000ppmv	1ppmv
Atmospheric Pressure	Piezoelectric	800 - 1200mb	1mBar
Borehole Pressure	Piezoelectric	800 - 1200mb	1mBar
Temperature	Internal chip	-5°C to +50°C	1°C

Only installed on the 0-5% High Resolution GasClam® * Only installed in VOC GasClam®

The GGS GasClam® equipment is battery powered and runs off two D cell batteries. The bulk gas versions can take approximately 1350 readings (approximately 8 weeks based on hourly sampling), with the other versions taking approximately 600 readings (approximately 3.5 weeks based on hourly sampling) before the batteries need replacing.

Deployment Requirements (IMPORTANT)

For GGS GasClam® instruments to be deployed, standard 50mm installation standpipes are required (larger diameter boreholes can be accommodated for). Headworks with enough clearance and a suitable secure cover are also required. GGS recommend that a minimum 8 inch diameter flush fit cover (for example MW8 covers available from Stuart Wells <http://wellservices.stuartgroup.ltd.uk/>) be used. A minimum 100mm clearance is required from the top of the 50mm standpipe to the underside of the cover. A minimum 150mm internal headworks diameter is required (75mm clear radius from centre of stand pipe). We also recommend that minimum standing water level is greater than 0.9m below the standpipe top due to the instrument halting gas sampling automatically to avoid taking water internally.

GGG can also deploy GasClam® instruments within buildings or fix them to external walls within protective and secure housing should you wish to monitor indoor air or subfloor void spaces of existing buildings or for verification purposes. If the above requirements cannot be achieved, please contact GGS to discuss site specific deployment options – there probably is one!

GasClam Insurance

GGG offer insurance to cover the instruments against theft from site and is an optional part of our service.