

# REPORTE DE DATOS - LVAG-04

Proyecto 14 | Generado el 25/11/2025 16:14:08

Descripción del Dataset:  
 Fecha inserción inicial: 2025-11-10 09:21:33  
 Fecha inserción final: 2025-11-25 09:07:56  
 Código interno: LVAG-04

Archivos: 9 | Registros: 694 | Fechas: 3

Archivo	Fecha Carpeta	Registros
LVAG-04_paquete_001_20251111.csv	2025-11-10	100
LVAG-04_paquete_002_20251114.csv	2025-11-10	100
LVAG-04_paquete_003_20251116.csv	2025-11-10	100
LVAG-04_paquete_004_20251116.csv	2025-11-10	36
LVAG-04_paquete_001_20251119.csv	2025-11-17	100
LVAG-04_paquete_002_20251119.csv	2025-11-17	30
LVAG-04_paquete_001_20251120.csv	2025-11-19	100
LVAG-04_paquete_002_20251124.csv	2025-11-19	100
LVAG-04_paquete_003_20251125.csv	2025-11-19	28

## METRICAS DE CALIDAD DE DATOS

Variable	Compleitud %	Consistencia %	Estabilidad %	Continuidad %	Quality Score	Clasificación	N Outliers	Coef. Variación
A01NYUB [Distancia (m)]	100.0%	100.0%	100.0%	88.2%	98.2%	EXCELENTE	0	0.00%

DS3231 [Grados celcius (°C)]	100.0%	100.0%	60.0%	88.2%	88.2%	BUENA	0	47.61%
Divisor de Voltaje [Voltaje (V)]	100.0%	90.2%	100.0%	88.2%	95.3%	EXCELENTE	68	0.26%
LIQ-136 [Profundidad (m)]	100.0%	100.0%	100.0%	88.2%	98.2%	EXCELENTE	0	10.83%
SHT40 [Grados celcius (°C)]	100.0%	100.0%	60.0%	88.2%	88.2%	BUENA	0	35.30%
SHT40 [Humedad (%)]	100.0%	100.0%	80.0%	88.2%	93.2%	EXCELENTE	0	28.92%
SIM7600G [Intensidad señal telefónica (Adimensional)]	100.0%	100.0%	100.0%	88.2%	98.2%	EXCELENTE	0	5.68%

Métricas de Calidad:

- **Completitud:** % datos válidos (no nulos)
- **Consistencia:** % datos sin outliers (método IQR)
- **Estabilidad:** Baja variabilidad (Coef. Variación <30%)
- **Continuidad:** Regularidad temporal en mediciones
- **Quality Score:** Puntuación general ponderada

EXCELENTE (≥90%) | BUENA (≥80%) | ACEPTABLE (≥70%) | DEFICIENTE (<70%)

ESTADISTICAS DESCRIPTIVAS

Variable	Media	Mediana	Moda	Desv. Est.	Varianza	Mín	Máx	Q1	Q3	N válidos
A01NYUB [Distancia (m)]	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	694
DS3231 [Grados celcius (°C)]	20.8433	17.5000	12.5000	9.9231	98.4688	6.5000	47.7500	13.0000	27.1875	694
Divisor de Voltaje [Voltaje (V)]	7.9985	8.0000	8.0000	0.0205	0.0004	7.9100	8.0500	7.9900	8.0075	694
LIQ-136 [Profundidad (m)]	0.4582	0.4700	0.5000	0.0496	0.0025	0.3500	0.5500	0.4200	0.5000	694

SHT40 [Grados celcius (°C)]	18.3927	16.9750	11.2500	6.4931	42.1606	6.9900	34.1300	12.9450	23.7600	694
SHT40 [Humedad (%)]	67.0583	71.2000	41.1000	19.3903	375.9845	25.8600	100.0000	50.0725	84.5675	694
SIM7600G [Intensidad señal telefónica (Adimensional)]	21.2363	21.0000	21.0000	1.2056	1.4535	19.0000	25.0000	20.0000	22.0000	694

■ **Interpretación:** Media (promedio), Mediana (valor central), Moda (valor más frecuente), Desv. Est. (dispersión), Q1 y Q3 (cuartiles)

DATOS COMPLETOS

■ DATOS COMPLETOS - Página 1 (Filas 1-35)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados celcius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados celcius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-09 21:52:26	2025-11-10 09:21:33	14	LVAG-04	0.0	15.5	8.0	0.41	13.67	71.33	20.0	Primera	Primera
2025-11-09 22:22:19	2025-11-10 09:21:38	14	LVAG-04	0.0	14.25	8.0	0.41	13.23	75.18	20.0	0.1	29.9
2025-11-09 22:52:13	2025-11-10 09:21:42	14	LVAG-04	0.0	13.25	8.0	0.41	12.63	75.73	20.0	0.1	29.9
2025-11-09 23:22:07	2025-11-10 09:21:46	14	LVAG-04	0.0	12.5	8.01	0.4	12.13	78.35	20.0	0.1	29.9
2025-11-09 23:52:02	2025-11-10 09:21:51	14	LVAG-04	0.0	12.0	7.99	0.4	11.74	75.59	20.0	0.1	29.9
2025-11-10 00:21:56	2025-11-10 09:21:55	14	LVAG-04	0.0	11.5	8.0	0.4	11.19	76.42	20.0	0.1	29.9
2025-11-10 00:51:52	2025-11-10 09:21:59	14	LVAG-04	0.0	10.75	7.99	0.4	10.68	79.0	20.0	0.1	29.9

2025-11-10 01:21:46	2025-11-10 09:22:04	14	LVAG-04	0.0	10.25	8.0	0.4	10.43	87.01	20.0	0.1	29.9
2025-11-10 01:51:41	2025-11-10 09:22:08	14	LVAG-04	0.0	10.0	7.99	0.4	10.1	81.51	20.0	0.1	29.9
2025-11-10 02:21:35	2025-11-10 09:22:12	14	LVAG-04	0.0	9.75	7.99	0.4	9.67	84.01	20.0	0.1	29.9
2025-11-10 02:51:31	2025-11-10 09:22:16	14	LVAG-04	0.0	9.25	7.99	0.4	9.4	84.05	20.0	0.1	29.9
2025-11-10 03:21:26	2025-11-10 09:22:21	14	LVAG-04	0.0	9.25	7.99	0.39	9.22	85.18	20.0	0.1	29.9
2025-11-10 03:51:20	2025-11-10 09:22:25	14	LVAG-04	0.0	8.5	7.98	0.39	8.68	87.81	20.0	0.1	29.9
2025-11-10 04:21:16	2025-11-10 09:22:29	14	LVAG-04	0.0	8.25	7.98	0.39	8.42	85.39	20.0	0.1	29.9
2025-11-10 04:51:10	2025-11-10 09:22:34	14	LVAG-04	0.0	8.0	7.95	0.39	8.1	85.58	20.0	0.1	29.9
2025-11-10 05:21:06	2025-11-10 09:22:38	14	LVAG-04	0.0	7.5	8.0	0.39	7.63	88.57	20.0	0.1	29.9
2025-11-10 05:51:02	2025-11-10 09:22:42	14	LVAG-04	0.0	7.25	7.98	0.39	7.29	89.66	20.0	0.1	29.9
2025-11-10 06:20:57	2025-11-10 09:22:47	14	LVAG-04	0.0	7.0	7.98	0.39	7.14	87.48	20.0	0.1	29.9
2025-11-10 06:50:53	2025-11-10 09:22:51	14	LVAG-04	0.0	6.5	7.99	0.38	6.99	89.66	20.0	0.1	29.9
2025-11-10 07:20:49	2025-11-10 09:22:55	14	LVAG-04	0.0	6.5	7.99	0.38	7.33	89.58	20.0	0.1	29.9
2025-11-10 07:50:46	2025-11-10 09:23:00	14	LVAG-04	0.0	7.25	8.0	0.38	8.36	90.2	20.0	0.1	29.9
2025-11-10 08:20:45	2025-11-10 09:23:04	14	LVAG-04	0.0	8.5	7.99	0.38	9.92	87.41	20.0	0.1	30.0
2025-11-10 08:50:44	2025-11-10 09:23:08	14	LVAG-04	0.0	10.25	7.99	0.38	11.93	79.69	20.0	0.1	30.0
2025-11-10 09:20:43	2025-11-10 09:23:12	14	LVAG-04	0.0	12.0	7.97	0.38	13.58	73.0	20.0	0.1	30.0
2025-11-10 09:52:52	2025-11-10 21:22:14	14	LVAG-04	0.0	14.25	7.98	0.38	15.19	65.12	21.0	719.0	32.1
2025-11-10 10:22:49	2025-11-10 21:22:18	14	LVAG-04	0.0	15.25	7.99	0.38	15.73	67.13	21.0	0.1	29.9
2025-11-10 10:52:47	2025-11-10 21:22:23	14	LVAG-04	0.0	16.5	7.98	0.38	16.78	65.69	21.0	0.1	30.0
2025-11-10 11:22:45	2025-11-10 21:22:27	14	LVAG-04	0.0	17.5	8.0	0.38	17.52	64.6	21.0	0.1	30.0

2025-11-10 11:52:44	2025-11-10 21:22:31	14	LVAG-04	0.0	18.5	8.0	0.38	18.74	58.58	21.0	0.1	30.0
2025-11-10 12:22:41	2025-11-10 21:22:36	14	LVAG-04	0.0	19.75	8.0	0.38	20.16	57.23	21.0	0.1	29.9
2025-11-10 12:52:40	2025-11-10 21:22:40	14	LVAG-04	0.0	22.0	8.03	0.38	21.96	49.21	21.0	0.1	30.0
2025-11-10 13:22:43	2025-11-10 21:22:44	14	LVAG-04	0.0	24.5	8.0	0.38	22.52	53.43	21.0	0.1	30.1
2025-11-10 13:52:41	2025-11-10 21:22:48	14	LVAG-04	0.0	26.25	8.03	0.39	23.54	39.41	21.0	0.1	30.0
2025-11-10 14:22:38	2025-11-10 21:22:53	14	LVAG-04	0.0	27.5	8.0	0.39	23.73	42.46	21.0	0.1	29.9
2025-11-10 14:52:40	2025-11-10 21:22:57	14	LVAG-04	0.0	31.0	8.01	0.39	24.85	41.36	21.0	0.1	30.0

## ■ DATOS COMPLETOS - Página 2 (Filas 36-70)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-10 15:22:39	2025-11-10 21:23:01	14	LVAG-04	0.0	32.5	8.0	0.39	24.05	44.64	21.0	0.1	30.0
2025-11-10 15:52:33	2025-11-10 21:23:05	14	LVAG-04	0.0	31.75	8.03	0.39	23.39	46.42	21.0	0.1	29.9
2025-11-10 16:22:29	2025-11-10 21:23:10	14	LVAG-04	0.0	31.75	8.02	0.38	23.87	49.73	21.0	0.1	29.9
2025-11-10 16:52:30	2025-11-10 21:23:14	14	LVAG-04	0.0	35.75	8.03	0.39	23.82	49.56	21.0	0.1	30.0
2025-11-10 17:22:29	2025-11-10 21:23:18	14	LVAG-04	0.0	37.5	8.05	0.4	23.61	41.1	21.0	0.1	30.0
2025-11-10 17:52:24	2025-11-10 21:23:23	14	LVAG-04	0.0	37.0	8.04	0.4	22.77	42.63	21.0	0.1	29.9
2025-11-10 18:22:14	2025-11-10 21:23:27	14	LVAG-04	0.0	32.0	8.0	0.4	20.21	50.11	21.0	0.1	29.8
2025-11-10 18:51:58	2025-11-10 21:23:31	14	LVAG-04	0.0	27.0	8.01	0.4	19.61	50.32	21.0	0.1	29.7
2025-11-10 19:21:54	2025-11-10 21:23:36	14	LVAG-04	0.0	27.5	8.0	0.41	19.07	50.83	21.0	0.1	29.9
2025-11-10 19:51:43	2025-11-10 21:23:40	14	LVAG-04	0.0	23.25	8.01	0.4	16.66	61.84	21.0	0.1	29.8
2025-11-10 20:21:30	2025-11-10 21:23:44	14	LVAG-04	0.0	18.75	7.98	0.4	15.47	61.52	21.0	0.1	29.8
2025-11-10 20:51:22	2025-11-10 21:23:49	14	LVAG-04	0.0	16.75	7.98	0.4	14.9	60.01	21.0	0.1	29.9
2025-11-10 21:21:15	2025-11-10 21:23:53	14	LVAG-04	0.0	15.5	8.0	0.41	14.61	58.75	21.0	0.1	29.9
2025-11-10 21:53:26	2025-11-11 09:22:33	14	LVAG-04	0.0	14.75	8.0	0.41	14.15	66.04	21.0	718.7	32.2
2025-11-10 22:23:21	2025-11-11 09:22:37	14	LVAG-04	0.0	14.0	8.0	0.41	13.17	58.82	21.0	0.1	29.9
2025-11-10 22:53:15	2025-11-11 09:22:42	14	LVAG-04	0.0	13.5	8.0	0.41	12.88	66.64	21.0	0.1	29.9

2025-11-10 23:23:09	2025-11-11 09:22:46	14	LVAG-04	0.0	12.5	8.0	0.41	11.88	67.29	21.0	0.1	29.9
2025-11-10 23:53:03	2025-11-11 09:22:50	14	LVAG-04	0.0	11.75	8.0	0.42	11.23	69.77	21.0	0.1	29.9
2025-11-11 00:22:57	2025-11-11 09:22:55	14	LVAG-04	0.0	11.0	8.0	0.42	10.78	73.69	21.0	0.1	29.9
2025-11-11 00:52:52	2025-11-11 09:22:59	14	LVAG-04	0.0	10.5	7.98	0.42	10.31	77.99	21.0	0.1	29.9
2025-11-11 01:22:46	2025-11-11 09:23:04	14	LVAG-04	0.0	10.0	7.99	0.42	9.97	79.01	21.0	0.1	29.9
2025-11-11 01:52:41	2025-11-11 09:23:08	14	LVAG-04	0.0	9.5	8.0	0.43	9.44	84.26	21.0	0.1	29.9
2025-11-11 02:22:36	2025-11-11 09:23:12	14	LVAG-04	0.0	9.5	7.99	0.43	9.73	83.63	21.0	0.1	29.9
2025-11-11 02:52:31	2025-11-11 09:23:17	14	LVAG-04	0.0	9.5	7.99	0.43	9.63	84.57	21.0	0.1	29.9
2025-11-11 03:22:26	2025-11-11 09:23:21	14	LVAG-04	0.0	9.25	8.0	0.43	9.52	86.3	21.0	0.1	29.9
2025-11-11 03:52:23	2025-11-11 09:23:26	14	LVAG-04	0.0	9.25	7.99	0.44	9.25	89.06	21.0	0.1	29.9
2025-11-11 04:22:18	2025-11-11 09:23:30	14	LVAG-04	0.0	9.0	7.99	0.44	8.94	92.9	21.0	0.1	29.9
2025-11-11 04:52:13	2025-11-11 09:23:34	14	LVAG-04	0.0	8.75	7.99	0.44	8.71	92.0	21.0	0.1	29.9
2025-11-11 05:22:09	2025-11-11 09:23:39	14	LVAG-04	0.0	8.5	7.99	0.44	8.45	94.34	21.0	0.1	29.9
2025-11-11 05:52:04	2025-11-11 09:23:43	14	LVAG-04	0.0	8.25	8.0	0.44	8.21	93.85	21.0	0.1	29.9
2025-11-11 06:22:00	2025-11-11 09:23:47	14	LVAG-04	0.0	7.75	7.98	0.44	7.86	91.13	21.0	0.1	29.9
2025-11-11 06:51:55	2025-11-11 09:23:51	14	LVAG-04	0.0	7.75	7.99	0.45	7.92	92.75	21.0	0.1	29.9
2025-11-11 07:21:51	2025-11-11 09:23:56	14	LVAG-04	0.0	8.0	7.99	0.45	8.51	93.17	21.0	0.1	29.9
2025-11-11 07:51:48	2025-11-11 09:24:00	14	LVAG-04	0.0	8.75	7.98	0.45	9.69	94.91	21.0	0.1	29.9
2025-11-11 08:21:47	2025-11-11 09:24:04	14	LVAG-04	0.0	9.75	7.97	0.45	10.53	89.14	21.0	0.1	30.0

## ■ DATOS COMPLETOS - Página 3 (Filas 71-105)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-11 08:51:46	2025-11-11 09:24:09	14	LVAG-04	0.0	10.75	7.98	0.45	11.65	86.24	21.0	0.1	30.0
2025-11-11 09:21:43	2025-11-11 09:24:13	14	LVAG-04	0.0	12.0	7.99	0.46	12.67	79.68	21.0	0.1	29.9
2025-11-11 09:53:50	2025-11-11 21:23:14	14	LVAG-04	0.0	13.25	7.98	0.46	13.66	79.17	20.0	719.0	32.1
2025-11-11 10:23:48	2025-11-11 21:23:18	14	LVAG-04	0.0	14.25	7.99	0.46	14.34	73.83	20.0	0.1	30.0
2025-11-11 10:53:46	2025-11-11 21:23:22	14	LVAG-04	0.0	15.25	7.99	0.46	15.66	68.56	20.0	0.1	30.0
2025-11-11 11:23:44	2025-11-11 21:23:26	14	LVAG-04	0.0	16.5	8.0	0.46	16.97	61.15	20.0	0.1	30.0
2025-11-11 11:53:43	2025-11-11 21:23:31	14	LVAG-04	0.0	17.5	7.99	0.46	17.96	59.13	20.0	0.1	30.0
2025-11-11 12:23:40	2025-11-11 21:23:35	14	LVAG-04	0.0	18.75	7.98	0.46	18.77	55.79	20.0	0.1	29.9
2025-11-11 12:53:40	2025-11-11 21:23:39	14	LVAG-04	0.0	21.25	7.99	0.47	21.63	49.93	20.0	0.1	30.0
2025-11-11 13:23:42	2025-11-11 21:23:44	14	LVAG-04	0.0	23.75	7.98	0.47	22.34	50.06	20.0	0.1	30.0
2025-11-11 13:53:40	2025-11-11 21:23:48	14	LVAG-04	0.0	25.25	8.03	0.47	22.95	46.05	20.0	0.1	30.0
2025-11-11 14:23:39	2025-11-11 21:23:52	14	LVAG-04	0.0	27.5	8.03	0.47	24.76	37.84	20.0	0.1	30.0
2025-11-11 14:53:45	2025-11-11 21:23:57	14	LVAG-04	0.0	33.0	7.98	0.47	27.09	39.89	20.0	0.1	30.1
2025-11-11 15:23:48	2025-11-11 21:24:01	14	LVAG-04	0.0	36.5	8.01	0.47	26.39	37.72	20.0	0.1	30.1
2025-11-11 15:53:46	2025-11-11 21:24:05	14	LVAG-04	0.0	38.75	8.0	0.47	26.73	35.88	20.0	0.1	30.0
2025-11-11 16:23:46	2025-11-11 21:24:10	14	LVAG-04	0.0	39.75	8.01	0.48	24.79	33.56	20.0	0.1	30.0



2025-11-11 16:53:37	2025-11-11 21:24:14	14	LVAG-04	0.0	38.5	8.03	0.47	25.74	32.44	20.0	0.1	29.9
2025-11-11 17:23:35	2025-11-11 21:24:18	14	LVAG-04	0.0	38.75	8.03	0.46	25.74	38.97	20.0	0.1	30.0
2025-11-11 17:53:29	2025-11-11 21:24:23	14	LVAG-04	0.0	38.25	8.03	0.47	24.64	36.58	20.0	0.1	29.9
2025-11-11 18:23:18	2025-11-11 21:24:27	14	LVAG-04	0.0	32.75	8.01	0.48	22.97	40.72	20.0	0.1	29.8
2025-11-11 18:53:04	2025-11-11 21:24:32	14	LVAG-04	0.0	28.75	8.03	0.48	22.84	42.12	20.0	0.1	29.8
2025-11-11 19:22:59	2025-11-11 21:24:36	14	LVAG-04	0.0	29.0	7.91	0.48	22.3	44.1	20.0	0.1	29.9
2025-11-11 19:52:49	2025-11-11 21:24:40	14	LVAG-04	0.0	25.25	8.01	0.48	20.2	52.1	20.0	0.1	29.8
2025-11-11 20:22:38	2025-11-11 21:24:44	14	LVAG-04	0.0	21.75	8.0	0.48	19.35	53.86	20.0	0.1	29.8
2025-11-11 20:52:31	2025-11-11 21:24:49	14	LVAG-04	0.0	20.0	7.99	0.48	18.18	58.03	20.0	0.1	29.9
2025-11-11 21:22:23	2025-11-11 21:24:53	14	LVAG-04	0.0	18.5	8.0	0.48	17.04	62.91	20.0	0.1	29.9
2025-11-11 21:54:24	2025-11-12 09:23:29	14	LVAG-04	0.0	17.25	8.01	0.48	15.5	72.82	21.0	718.6	32.0
2025-11-11 22:24:17	2025-11-12 09:23:34	14	LVAG-04	0.0	16.0	8.0	0.48	15.03	77.48	21.0	0.1	29.9
2025-11-11 22:54:10	2025-11-12 09:23:39	14	LVAG-04	0.0	15.25	8.0	0.48	14.51	72.49	21.0	0.1	29.9
2025-11-11 23:24:04	2025-11-12 09:23:43	14	LVAG-04	0.0	14.25	8.0	0.48	13.75	78.18	21.0	0.1	29.9
2025-11-11 23:53:58	2025-11-12 09:23:48	14	LVAG-04	0.0	13.75	8.0	0.49	13.45	82.45	21.0	0.1	29.9
2025-11-12 00:23:53	2025-11-12 09:23:52	14	LVAG-04	0.0	13.25	8.0	0.49	13.14	80.29	21.0	0.1	29.9
2025-11-12 00:53:48	2025-11-12 09:23:57	14	LVAG-04	0.0	12.75	8.0	0.49	12.7	82.31	21.0	0.1	29.9
2025-11-12 01:23:43	2025-11-12 09:24:02	14	LVAG-04	0.0	12.5	8.0	0.49	12.5	85.81	21.0	0.1	29.9
2025-11-12 01:53:38	2025-11-12 09:24:07	14	LVAG-04	0.0	12.25	7.98	0.49	11.9	85.63	21.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 4 (Filas 106-140)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-12 02:23:33	2025-11-12 09:24:11	14	LVAG-04	0.0	11.75	7.99	0.49	11.37	85.82	21.0	0.1	29.9
2025-11-12 02:53:27	2025-11-12 09:24:16	14	LVAG-04	0.0	11.0	7.99	0.49	10.83	83.97	21.0	0.1	29.9
2025-11-12 03:23:23	2025-11-12 09:24:20	14	LVAG-04	0.0	10.75	7.99	0.49	10.45	92.62	21.0	0.1	29.9
2025-11-12 03:53:17	2025-11-12 09:24:25	14	LVAG-04	0.0	10.25	7.99	0.49	9.99	90.94	21.0	0.1	29.9
2025-11-12 04:23:12	2025-11-12 09:24:29	14	LVAG-04	0.0	9.75	7.99	0.49	9.53	86.07	21.0	0.1	29.9
2025-11-12 04:53:06	2025-11-12 09:24:33	14	LVAG-04	0.0	9.25	7.99	0.5	9.12	88.41	21.0	0.1	29.9
2025-11-12 05:23:01	2025-11-12 09:24:38	14	LVAG-04	0.0	8.75	7.99	0.5	8.76	88.71	21.0	0.1	29.9
2025-11-12 05:52:56	2025-11-12 09:24:43	14	LVAG-04	0.0	8.25	7.97	0.5	8.39	89.48	21.0	0.1	29.9
2025-11-12 06:22:50	2025-11-12 09:24:47	14	LVAG-04	0.0	8.0	7.99	0.5	8.13	89.0	21.0	0.1	29.9
2025-11-12 06:52:45	2025-11-12 09:24:52	14	LVAG-04	0.0	7.75	7.98	0.5	8.14	90.8	21.0	0.1	29.9
2025-11-12 07:22:41	2025-11-12 09:24:56	14	LVAG-04	0.0	8.0	7.98	0.5	8.43	92.29	21.0	0.1	29.9
2025-11-12 07:52:38	2025-11-12 09:25:00	14	LVAG-04	0.0	8.75	7.98	0.5	10.29	88.38	21.0	0.1	29.9
2025-11-12 08:22:38	2025-11-12 09:25:05	14	LVAG-04	0.0	10.75	7.99	0.5	13.3	75.46	21.0	0.1	30.0
2025-11-12 08:52:39	2025-11-12 09:25:10	14	LVAG-04	0.0	13.0	7.99	0.5	14.46	71.3	21.0	0.1	30.0
2025-11-12 09:22:38	2025-11-12 09:25:14	14	LVAG-04	0.0	14.75	8.0	0.5	15.68	67.79	21.0	0.1	30.0
2025-11-12 09:54:52	2025-11-12 21:24:12	14	LVAG-04	0.0	16.25	7.98	0.5	16.98	60.42	24.0	719.0	32.2

2025-11-12 10:24:49	2025-11-12 21:24:17	14	LVAG-04	0.0	17.5	7.98	0.5	17.97	57.61	24.0	0.1	29.9
2025-11-12 10:54:48	2025-11-12 21:24:22	14	LVAG-04	0.0	18.75	7.99	0.5	19.18	53.74	24.0	0.1	30.0
2025-11-12 11:24:46	2025-11-12 21:24:26	14	LVAG-04	0.0	19.75	8.0	0.5	20.24	52.56	24.0	0.1	30.0
2025-11-12 11:54:43	2025-11-12 21:24:33	14	LVAG-04	0.0	20.75	8.0	0.5	21.0	56.38	24.0	0.1	29.9
2025-11-12 12:24:42	2025-11-12 21:24:38	14	LVAG-04	0.0	22.0	8.0	0.5	22.6	47.67	24.0	0.1	30.0
2025-11-12 12:54:42	2025-11-12 21:24:42	14	LVAG-04	0.0	24.75	7.98	0.5	24.7	40.02	24.0	0.1	30.0
2025-11-12 13:24:44	2025-11-12 21:24:47	14	LVAG-04	0.0	27.5	8.01	0.5	25.99	39.31	24.0	0.1	30.0
2025-11-12 13:54:43	2025-11-12 21:24:51	14	LVAG-04	0.0	29.25	7.98	0.5	27.07	35.34	24.0	0.1	30.0
2025-11-12 14:24:42	2025-11-12 21:24:55	14	LVAG-04	0.0	31.5	8.03	0.5	29.53	39.6	24.0	0.1	30.0
2025-11-12 14:54:48	2025-11-12 21:25:00	14	LVAG-04	0.0	37.5	8.03	0.5	29.76	35.23	24.0	0.1	30.1
2025-11-12 15:24:51	2025-11-12 21:25:04	14	LVAG-04	0.0	41.0	8.04	0.5	30.54	33.09	24.0	0.1	30.1
2025-11-12 15:54:50	2025-11-12 21:25:09	14	LVAG-04	0.0	43.5	8.03	0.5	30.35	28.74	24.0	0.1	30.0
2025-11-12 16:24:49	2025-11-12 21:25:13	14	LVAG-04	0.0	45.0	8.03	0.51	30.16	37.91	24.0	0.1	30.0
2025-11-12 16:54:43	2025-11-12 21:25:17	14	LVAG-04	0.0	45.25	8.05	0.5	30.07	35.83	24.0	0.1	29.9
2025-11-12 17:24:40	2025-11-12 21:25:22	14	LVAG-04	0.0	47.0	8.04	0.5	31.28	28.18	24.0	0.1	29.9
2025-11-12 17:54:38	2025-11-12 21:25:26	14	LVAG-04	0.0	47.75	8.05	0.51	29.77	30.34	24.0	0.1	30.0
2025-11-12 18:24:27	2025-11-12 21:25:31	14	LVAG-04	0.0	41.5	8.01	0.51	27.03	32.95	24.0	0.1	29.8
2025-11-12 18:54:06	2025-11-12 21:25:35	14	LVAG-04	0.0	34.5	8.01	0.51	26.44	34.88	24.0	0.1	29.6
2025-11-12 19:24:03	2025-11-12 21:25:40	14	LVAG-04	0.0	35.0	7.98	0.51	25.99	36.12	24.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 5 (Filas 141-175)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-12 19:53:51	2025-11-12 21:25:45	14	LVAG-04	0.0	30.25	7.96	0.5	23.83	44.58	24.0	0.1	29.8
2025-11-12 20:23:39	2025-11-12 21:25:49	14	LVAG-04	0.0	26.25	8.0	0.5	21.95	51.86	24.0	0.1	29.8
2025-11-12 20:53:29	2025-11-12 21:25:53	14	LVAG-04	0.0	23.25	7.98	0.5	20.41	57.9	24.0	0.1	29.8
2025-11-12 21:23:21	2025-11-12 21:25:58	14	LVAG-04	0.0	21.0	7.98	0.5	18.17	66.31	24.0	0.1	29.9
2025-11-12 21:55:27	2025-11-13 09:24:50	14	LVAG-04	0.0	19.25	7.98	0.5	17.31	67.34	22.0	718.9	32.1
2025-11-12 22:25:21	2025-11-13 09:24:54	14	LVAG-04	0.0	17.75	8.0	0.5	16.12	71.94	22.0	0.1	29.9
2025-11-12 22:55:15	2025-11-13 09:24:59	14	LVAG-04	0.0	16.75	8.0	0.5	15.81	73.25	22.0	0.1	29.9
2025-11-12 23:25:09	2025-11-13 09:25:04	14	LVAG-04	0.0	15.75	8.0	0.5	15.15	76.7	22.0	0.1	29.9
2025-11-12 23:55:03	2025-11-13 09:25:09	14	LVAG-04	0.0	15.0	8.0	0.5	14.44	71.48	22.0	0.1	29.9
2025-11-13 00:24:58	2025-11-13 09:25:14	14	LVAG-04	0.0	14.25	7.95	0.5	13.65	77.51	22.0	0.1	29.9
2025-11-13 00:54:52	2025-11-13 09:25:18	14	LVAG-04	0.0	13.5	7.98	0.5	12.68	80.68	22.0	0.1	29.9
2025-11-13 01:24:47	2025-11-13 09:25:23	14	LVAG-04	0.0	13.0	8.0	0.5	12.72	79.38	22.0	0.1	29.9
2025-11-13 01:54:42	2025-11-13 09:25:28	14	LVAG-04	0.0	12.5	8.0	0.51	12.28	79.89	22.0	0.1	29.9
2025-11-13 02:24:37	2025-11-13 09:25:32	14	LVAG-04	0.0	12.0	8.0	0.51	11.69	83.59	22.0	0.1	29.9
2025-11-13 02:54:33	2025-11-13 09:25:37	14	LVAG-04	0.0	11.5	7.98	0.51	11.38	81.05	22.0	0.1	29.9
2025-11-13 03:24:27	2025-11-13 09:25:41	14	LVAG-04	0.0	11.0	7.98	0.51	10.91	81.41	22.0	0.1	29.9

2025-11-13 03:54:21	2025-11-13 09:25:46	14	LVAG-04	0.0	10.5	7.98	0.51	10.66	84.39	22.0	0.1	29.9
2025-11-13 04:24:16	2025-11-13 09:25:50	14	LVAG-04	0.0	10.25	7.99	0.51	10.24	81.33	22.0	0.1	29.9
2025-11-13 04:54:11	2025-11-13 09:25:54	14	LVAG-04	0.0	9.75	7.99	0.51	9.95	83.48	22.0	0.1	29.9
2025-11-13 05:24:06	2025-11-13 09:25:59	14	LVAG-04	0.0	9.5	7.99	0.51	9.57	83.09	22.0	0.1	29.9
2025-11-13 05:54:02	2025-11-13 09:26:03	14	LVAG-04	0.0	9.5	7.98	0.51	11.45	77.56	22.0	0.1	29.9
2025-11-13 06:24:00	2025-11-13 09:26:07	14	LVAG-04	0.0	10.0	7.99	0.51	10.63	85.87	22.0	0.1	30.0
2025-11-13 06:53:56	2025-11-13 09:26:11	14	LVAG-04	0.0	10.25	7.98	0.51	10.51	85.3	22.0	0.1	29.9
2025-11-13 07:23:54	2025-11-13 09:26:16	14	LVAG-04	0.0	10.25	7.98	0.51	11.3	84.15	22.0	0.1	30.0
2025-11-13 07:53:51	2025-11-13 09:26:20	14	LVAG-04	0.0	11.5	7.99	0.51	13.02	75.38	22.0	0.1	29.9
2025-11-13 08:23:51	2025-11-13 09:26:24	14	LVAG-04	0.0	13.5	7.99	0.51	15.51	64.83	22.0	0.1	30.0
2025-11-13 08:53:51	2025-11-13 09:26:29	14	LVAG-04	0.0	15.5	7.97	0.51	16.99	62.24	22.0	0.1	30.0
2025-11-13 09:23:50	2025-11-13 09:26:33	14	LVAG-04	0.0	17.0	7.99	0.51	17.96	57.22	22.0	0.1	30.0
2025-11-13 09:56:11	2025-11-13 21:25:37	14	LVAG-04	0.0	18.5	8.0	0.51	19.41	54.8	21.0	719.1	32.4
2025-11-13 10:26:09	2025-11-13 21:25:42	14	LVAG-04	0.0	20.0	8.0	0.51	20.82	51.78	21.0	0.1	30.0
2025-11-13 10:56:08	2025-11-13 21:25:47	14	LVAG-04	0.0	21.25	7.99	0.51	22.17	40.85	21.0	0.1	30.0
2025-11-13 11:26:07	2025-11-13 21:25:53	14	LVAG-04	0.0	22.75	7.99	0.51	22.97	46.67	21.0	0.1	30.0
2025-11-13 11:56:05	2025-11-13 21:25:58	14	LVAG-04	0.0	23.75	7.99	0.51	23.77	46.2	21.0	0.1	30.0
2025-11-13 12:26:04	2025-11-13 21:26:02	14	LVAG-04	0.0	25.25	7.99	0.51	26.11	42.08	21.0	0.1	30.0
2025-11-13 12:56:04	2025-11-13 21:26:07	14	LVAG-04	0.0	28.25	8.02	0.5	28.02	34.63	21.0	0.1	30.0

## ■ DATOS COMPLETOS - Página 6 (Filas 176-210)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-13 13:26:05	2025-11-13 21:26:11	14	LVAG-04	0.0	30.5	7.98	0.51	28.36	32.37	21.0	0.1	30.0
2025-11-13 13:56:02	2025-11-13 21:26:16	14	LVAG-04	0.0	31.0	7.99	0.51	28.85	31.92	21.0	0.1	29.9
2025-11-13 14:26:01	2025-11-13 21:26:20	14	LVAG-04	0.0	33.25	8.04	0.5	29.99	27.75	21.0	0.1	30.0
2025-11-13 14:56:01	2025-11-13 21:26:25	14	LVAG-04	0.0	35.25	8.03	0.5	30.99	26.89	21.0	0.1	30.0
2025-11-13 15:26:03	2025-11-13 21:26:29	14	LVAG-04	0.0	39.0	8.05	0.51	32.01	26.22	21.0	0.1	30.0
2025-11-13 15:56:05	2025-11-13 21:26:34	14	LVAG-04	0.0	42.0	8.01	0.51	31.53	29.03	21.0	0.1	30.0
2025-11-13 16:26:02	2025-11-13 21:26:38	14	LVAG-04	0.0	43.0	8.05	0.5	31.33	35.66	21.0	0.1	29.9
2025-11-13 16:55:58	2025-11-13 21:26:43	14	LVAG-04	0.0	44.5	8.05	0.51	31.2	33.55	21.0	0.1	29.9
2025-11-13 17:25:50	2025-11-13 21:26:47	14	LVAG-04	0.0	43.0	8.05	0.51	30.71	35.94	21.0	0.1	29.9
2025-11-13 17:55:47	2025-11-13 21:26:52	14	LVAG-04	0.0	43.0	8.05	0.51	29.35	36.0	21.0	0.1	29.9
2025-11-13 18:25:35	2025-11-13 21:26:56	14	LVAG-04	0.0	37.25	8.02	0.51	27.72	36.65	21.0	0.1	29.8
2025-11-13 18:55:20	2025-11-13 21:27:00	14	LVAG-04	0.0	33.0	8.01	0.5	27.39	39.36	21.0	0.1	29.8
2025-11-13 19:25:20	2025-11-13 21:27:05	14	LVAG-04	0.0	35.5	8.0	0.51	27.49	38.76	21.0	0.1	30.0
2025-11-13 19:55:10	2025-11-13 21:27:09	14	LVAG-04	0.0	32.0	8.01	0.5	25.07	44.4	21.0	0.1	29.8
2025-11-13 20:24:57	2025-11-13 21:27:14	14	LVAG-04	0.0	27.75	8.01	0.5	22.89	50.81	21.0	0.1	29.8
2025-11-13 20:54:46	2025-11-13 21:27:18	14	LVAG-04	0.0	24.5	8.01	0.5	20.98	61.39	21.0	0.1	29.8

2025-11-13 21:24:37	2025-11-13 21:27:23	14	LVAG-04	0.0	22.25	8.0	0.5	19.85	60.91	21.0	0.1	29.9
2025-11-13 21:56:53	2025-11-14 09:25:57	14	LVAG-04	0.0	20.5	8.01	0.5	18.41	65.15	21.0	718.6	32.3
2025-11-13 22:26:46	2025-11-14 09:26:01	14	LVAG-04	0.0	19.25	8.0	0.5	18.03	77.0	21.0	0.1	29.9
2025-11-13 22:56:40	2025-11-14 09:26:05	14	LVAG-04	0.0	18.25	8.0	0.5	17.34	76.52	21.0	0.1	29.9
2025-11-13 23:26:34	2025-11-14 09:26:10	14	LVAG-04	0.0	17.5	8.0	0.5	16.56	76.2	21.0	0.1	29.9
2025-11-13 23:56:29	2025-11-14 09:26:14	14	LVAG-04	0.0	16.75	8.0	0.5	16.13	72.91	21.0	0.1	29.9
2025-11-14 00:26:23	2025-11-14 09:26:18	14	LVAG-04	0.0	16.0	8.0	0.5	15.67	75.75	21.0	0.1	29.9
2025-11-14 00:56:17	2025-11-14 09:26:23	14	LVAG-04	0.0	15.25	7.98	0.5	14.88	78.13	21.0	0.1	29.9
2025-11-14 01:26:11	2025-11-14 09:26:27	14	LVAG-04	0.0	14.75	8.0	0.5	14.01	83.29	21.0	0.1	29.9
2025-11-14 01:56:06	2025-11-14 09:26:31	14	LVAG-04	0.0	14.0	8.0	0.5	13.77	78.51	21.0	0.1	29.9
2025-11-14 02:26:01	2025-11-14 09:26:36	14	LVAG-04	0.0	13.5	8.0	0.5	13.36	84.9	21.0	0.1	29.9
2025-11-14 02:55:56	2025-11-14 09:26:40	14	LVAG-04	0.0	13.25	8.0	0.5	13.21	84.69	21.0	0.1	29.9
2025-11-14 03:25:50	2025-11-14 09:26:44	14	LVAG-04	0.0	12.75	8.0	0.5	12.63	81.84	21.0	0.1	29.9
2025-11-14 03:55:46	2025-11-14 09:26:49	14	LVAG-04	0.0	12.5	7.99	0.5	12.26	84.54	21.0	0.1	29.9
2025-11-14 04:25:41	2025-11-14 09:26:53	14	LVAG-04	0.0	12.0	8.0	0.5	11.73	84.92	21.0	0.1	29.9
2025-11-14 04:55:35	2025-11-14 09:26:57	14	LVAG-04	0.0	11.5	8.0	0.5	11.25	84.82	21.0	0.1	29.9
2025-11-14 05:25:31	2025-11-14 09:27:02	14	LVAG-04	0.0	11.0	7.99	0.5	11.04	86.45	21.0	0.1	29.9
2025-11-14 05:55:25	2025-11-14 09:27:06	14	LVAG-04	0.0	10.75	7.99	0.49	10.64	89.96	21.0	0.1	29.9
2025-11-14 06:25:21	2025-11-14 09:27:10	14	LVAG-04	0.0	10.25	7.99	0.49	10.31	89.21	21.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 7 (Filas 211-245)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-14 06:55:15	2025-11-14 09:27:15	14	LVAG-04	0.0	10.0	8.0	0.49	10.33	87.91	21.0	0.1	29.9
2025-11-14 07:25:11	2025-11-14 09:27:19	14	LVAG-04	0.0	10.25	7.98	0.49	10.87	89.38	21.0	0.1	29.9
2025-11-14 07:55:09	2025-11-14 09:27:23	14	LVAG-04	0.0	11.0	7.99	0.49	12.09	85.33	21.0	0.1	30.0
2025-11-14 08:25:08	2025-11-14 09:27:28	14	LVAG-04	0.0	12.5	8.0	0.49	14.37	78.97	21.0	0.1	30.0
2025-11-14 08:55:07	2025-11-14 09:27:32	14	LVAG-04	0.0	14.5	7.99	0.49	15.85	78.6	21.0	0.1	30.0
2025-11-14 09:25:06	2025-11-14 09:27:36	14	LVAG-04	0.0	16.0	7.98	0.49	17.09	74.43	21.0	0.1	30.0
2025-11-14 09:57:13	2025-11-14 21:26:30	14	LVAG-04	0.0	17.75	7.99	0.49	18.48	73.15	21.0	718.9	32.1
2025-11-14 10:27:12	2025-11-14 21:26:34	14	LVAG-04	0.0	19.0	8.0	0.49	19.72	64.11	21.0	0.1	30.0
2025-11-14 10:57:10	2025-11-14 21:26:39	14	LVAG-04	0.0	20.25	7.99	0.49	20.57	62.26	21.0	0.1	30.0
2025-11-14 11:27:08	2025-11-14 21:26:43	14	LVAG-04	0.0	21.5	8.0	0.49	21.66	58.31	21.0	0.1	30.0
2025-11-14 11:57:06	2025-11-14 21:26:48	14	LVAG-04	0.0	22.5	7.99	0.49	22.86	57.04	21.0	0.1	30.0
2025-11-14 12:27:03	2025-11-14 21:26:52	14	LVAG-04	0.0	24.0	7.96	0.49	24.25	49.59	21.0	0.1	29.9
2025-11-14 12:57:02	2025-11-14 21:26:56	14	LVAG-04	0.0	25.75	8.0	0.48	24.71	50.64	21.0	0.1	30.0
2025-11-14 13:27:01	2025-11-14 21:27:01	14	LVAG-04	0.0	27.25	7.98	0.49	26.28	46.59	21.0	0.1	30.0
2025-11-14 13:57:00	2025-11-14 21:27:06	14	LVAG-04	0.0	29.25	7.99	0.49	27.5	42.78	21.0	0.1	30.0
2025-11-14 14:26:59	2025-11-14 21:27:10	14	LVAG-04	0.0	31.0	7.95	0.48	28.42	44.35	21.0	0.1	30.0



2025-11-14 14:57:05	2025-11-14 21:27:15	14	LVAG-04	0.0	36.25	8.03	0.49	29.27	43.52	21.0	0.1	30.1
2025-11-14 15:27:05	2025-11-14 21:27:19	14	LVAG-04	0.0	38.25	8.0	0.48	27.72	44.26	21.0	0.1	30.0
2025-11-14 15:57:01	2025-11-14 21:27:23	14	LVAG-04	0.0	38.25	8.01	0.48	27.54	42.42	21.0	0.1	29.9
2025-11-14 16:26:58	2025-11-14 21:27:28	14	LVAG-04	0.0	40.0	8.04	0.48	27.37	44.43	21.0	0.1	29.9
2025-11-14 16:56:53	2025-11-14 21:27:32	14	LVAG-04	0.0	40.25	8.05	0.49	28.14	38.76	21.0	0.1	29.9
2025-11-14 17:26:50	2025-11-14 21:27:36	14	LVAG-04	0.0	40.75	8.05	0.49	26.44	41.82	21.0	0.1	29.9
2025-11-14 17:56:45	2025-11-14 21:27:41	14	LVAG-04	0.0	41.0	8.02	0.48	26.92	42.55	21.0	0.1	29.9
2025-11-14 18:26:35	2025-11-14 21:27:46	14	LVAG-04	0.0	35.75	8.01	0.49	23.88	49.02	21.0	0.1	29.8
2025-11-14 18:56:18	2025-11-14 21:27:50	14	LVAG-04	0.0	30.5	8.0	0.48	23.47	47.83	21.0	0.1	29.7
2025-11-14 19:26:15	2025-11-14 21:27:54	14	LVAG-04	0.0	31.25	7.94	0.49	21.92	48.48	21.0	0.1	29.9
2025-11-14 19:56:00	2025-11-14 21:27:59	14	LVAG-04	0.0	26.0	7.99	0.49	20.02	59.47	21.0	0.1	29.8
2025-11-14 20:25:48	2025-11-14 21:28:03	14	LVAG-04	0.0	22.5	8.01	0.49	18.7	58.12	21.0	0.1	29.8
2025-11-14 20:55:39	2025-11-14 21:28:07	14	LVAG-04	0.0	20.0	8.01	0.49	17.76	66.68	21.0	0.1	29.9
2025-11-14 21:25:31	2025-11-14 21:28:11	14	LVAG-04	0.0	18.25	7.98	0.48	16.84	73.73	21.0	0.1	29.9
2025-11-14 21:57:43	2025-11-15 09:27:01	14	LVAG-04	0.0	17.25	7.98	0.48	16.24	70.87	20.0	718.8	32.2
2025-11-14 22:27:36	2025-11-15 09:27:05	14	LVAG-04	0.0	16.25	7.98	0.48	15.62	72.01	20.0	0.1	29.9
2025-11-14 22:57:30	2025-11-15 09:27:09	14	LVAG-04	0.0	15.5	8.0	0.48	14.72	75.69	20.0	0.1	29.9
2025-11-14 23:27:25	2025-11-15 09:27:14	14	LVAG-04	0.0	14.5	8.0	0.49	13.67	79.65	20.0	0.1	29.9
2025-11-14 23:57:19	2025-11-15 09:27:18	14	LVAG-04	0.0	13.75	8.0	0.49	13.07	82.87	20.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 8 (Filas 246-280)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-15 00:27:14	2025-11-15 09:27:22	14	LVAG-04	0.0	13.0	8.0	0.49	12.54	88.03	20.0	0.1	29.9
2025-11-15 00:57:07	2025-11-15 09:27:27	14	LVAG-04	0.0	12.25	8.0	0.49	12.03	86.43	20.0	0.1	29.9
2025-11-15 01:27:02	2025-11-15 09:27:31	14	LVAG-04	0.0	12.0	7.99	0.49	12.1	91.78	20.0	0.1	29.9
2025-11-15 01:56:58	2025-11-15 09:27:35	14	LVAG-04	0.0	12.0	7.99	0.49	11.98	89.01	20.0	0.1	29.9
2025-11-15 02:26:56	2025-11-15 09:27:40	14	LVAG-04	0.0	12.25	7.99	0.49	11.98	91.34	20.0	0.1	30.0
2025-11-15 02:56:53	2025-11-15 09:27:44	14	LVAG-04	0.0	12.25	8.0	0.49	11.59	93.23	20.0	0.1	29.9
2025-11-15 03:26:48	2025-11-15 09:27:48	14	LVAG-04	0.0	12.0	8.0	0.49	11.94	95.13	20.0	0.1	29.9
2025-11-15 03:56:44	2025-11-15 09:27:53	14	LVAG-04	0.0	12.0	8.0	0.49	11.32	95.56	20.0	0.1	29.9
2025-11-15 04:26:39	2025-11-15 09:27:57	14	LVAG-04	0.0	11.75	8.0	0.5	11.82	94.27	20.0	0.1	29.9
2025-11-15 04:56:35	2025-11-15 09:28:01	14	LVAG-04	0.0	12.0	8.0	0.5	12.11	91.69	20.0	0.1	29.9
2025-11-15 05:26:33	2025-11-15 09:28:06	14	LVAG-04	0.0	12.25	7.99	0.5	12.3	92.74	20.0	0.1	30.0
2025-11-15 05:56:29	2025-11-15 09:28:10	14	LVAG-04	0.0	12.25	7.98	0.5	12.11	91.51	20.0	0.1	29.9
2025-11-15 06:26:26	2025-11-15 09:28:14	14	LVAG-04	0.0	12.5	8.0	0.5	12.35	91.0	20.0	0.1	29.9
2025-11-15 06:56:21	2025-11-15 09:28:19	14	LVAG-04	0.0	12.5	7.98	0.5	12.37	91.71	20.0	0.1	29.9
2025-11-15 07:26:16	2025-11-15 09:28:23	14	LVAG-04	0.0	12.5	7.98	0.5	12.14	90.86	20.0	0.1	29.9
2025-11-15 07:56:12	2025-11-15 09:28:27	14	LVAG-04	0.0	12.5	8.0	0.5	12.32	91.28	20.0	0.1	29.9

2025-11-15 08:26:09	2025-11-15 09:28:31	14	LVAG-04	0.0	12.75	7.99	0.5	12.05	93.84	20.0	0.1	29.9
2025-11-15 08:56:05	2025-11-15 09:28:36	14	LVAG-04	0.0	13.0	7.99	0.5	12.29	92.06	20.0	0.1	29.9
2025-11-15 09:26:01	2025-11-15 09:28:40	14	LVAG-04	0.0	13.0	7.99	0.5	12.29	92.35	20.0	0.1	29.9
2025-11-15 09:58:15	2025-11-15 21:27:34	14	LVAG-04	0.0	13.75	7.99	0.5	12.91	88.75	21.0	718.9	32.2
2025-11-15 10:28:13	2025-11-15 21:27:39	14	LVAG-04	0.0	14.25	8.0	0.5	13.59	86.06	21.0	0.1	30.0
2025-11-15 10:58:11	2025-11-15 21:27:43	14	LVAG-04	0.0	15.25	7.98	0.5	14.33	85.81	21.0	0.1	30.0
2025-11-15 11:28:10	2025-11-15 21:27:48	14	LVAG-04	0.0	16.0	7.99	0.5	14.58	81.8	21.0	0.1	30.0
2025-11-15 11:58:09	2025-11-15 21:27:52	14	LVAG-04	0.0	17.25	7.99	0.5	15.62	80.46	21.0	0.1	30.0
2025-11-15 12:28:08	2025-11-15 21:27:57	14	LVAG-04	0.0	18.75	7.98	0.5	16.23	77.18	21.0	0.1	30.0
2025-11-15 12:58:04	2025-11-15 21:28:01	14	LVAG-04	0.0	19.25	7.99	0.5	18.0	70.91	21.0	0.1	29.9
2025-11-15 13:28:04	2025-11-15 21:28:06	14	LVAG-04	0.0	21.5	7.99	0.5	19.77	67.89	21.0	0.1	30.0
2025-11-15 13:58:02	2025-11-15 21:28:11	14	LVAG-04	0.0	22.75	7.98	0.49	20.87	65.19	21.0	0.1	30.0
2025-11-15 14:28:01	2025-11-15 21:28:15	14	LVAG-04	0.0	25.0	8.04	0.49	23.45	51.74	21.0	0.1	30.0
2025-11-15 14:58:09	2025-11-15 21:28:20	14	LVAG-04	0.0	31.25	8.02	0.5	24.4	50.93	21.0	0.1	30.1
2025-11-15 15:28:12	2025-11-15 21:28:25	14	LVAG-04	0.0	35.5	8.01	0.49	25.51	53.68	21.0	0.1	30.1
2025-11-15 15:58:13	2025-11-15 21:28:29	14	LVAG-04	0.0	38.0	8.05	0.48	26.71	47.65	21.0	0.1	30.0
2025-11-15 16:28:13	2025-11-15 21:28:34	14	LVAG-04	0.0	41.25	8.05	0.5	26.3	41.08	21.0	0.1	30.0
2025-11-15 16:58:09	2025-11-15 21:28:39	14	LVAG-04	0.0	42.0	8.03	0.49	26.4	39.13	21.0	0.1	29.9
2025-11-15 17:28:02	2025-11-15 21:28:43	14	LVAG-04	0.0	40.25	8.05	0.49	24.91	43.14	21.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 9 (Filas 281-315)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-15 17:57:52	2025-11-15 21:28:47	14	LVAG-04	0.0	37.75	8.05	0.49	24.03	48.95	21.0	0.1	29.8
2025-11-15 18:27:36	2025-11-15 21:28:51	14	LVAG-04	0.0	30.75	7.98	0.48	21.82	51.51	21.0	0.1	29.7
2025-11-15 18:57:22	2025-11-15 21:28:56	14	LVAG-04	0.0	26.75	8.01	0.47	22.09	52.33	21.0	0.1	29.8
2025-11-15 19:27:25	2025-11-15 21:29:00	14	LVAG-04	0.0	29.25	7.99	0.48	21.32	58.6	21.0	0.1	30.1
2025-11-15 19:57:13	2025-11-15 21:29:04	14	LVAG-04	0.0	25.0	8.01	0.47	19.85	64.82	21.0	0.1	29.8
2025-11-15 20:27:01	2025-11-15 21:29:09	14	LVAG-04	0.0	21.5	8.01	0.47	17.87	68.92	21.0	0.1	29.8
2025-11-15 20:56:51	2025-11-15 21:29:13	14	LVAG-04	0.0	19.0	7.99	0.47	16.54	70.12	21.0	0.1	29.8
2025-11-15 21:26:43	2025-11-15 21:29:18	14	LVAG-04	0.0	17.25	8.01	0.47	15.92	74.65	21.0	0.1	29.9
2025-11-15 21:58:50	2025-11-16 09:28:15	14	LVAG-04	0.0	16.25	8.0	0.47	15.4	76.7	21.0	719.0	32.1
2025-11-15 22:28:44	2025-11-16 09:28:19	14	LVAG-04	0.0	15.5	7.99	0.46	14.74	75.68	21.0	0.1	29.9
2025-11-15 22:58:38	2025-11-16 09:28:23	14	LVAG-04	0.0	14.75	8.0	0.46	14.38	78.63	21.0	0.1	29.9
2025-11-15 23:28:33	2025-11-16 09:28:28	14	LVAG-04	0.0	14.25	8.01	0.46	13.45	81.97	21.0	0.1	29.9
2025-11-15 23:58:28	2025-11-16 09:28:32	14	LVAG-04	0.0	13.75	7.98	0.46	13.86	82.0	21.0	0.1	29.9
2025-11-16 00:28:23	2025-11-16 09:28:36	14	LVAG-04	0.0	13.75	8.0	0.46	13.77	81.17	21.0	0.1	29.9
2025-11-16 00:58:19	2025-11-16 09:28:41	14	LVAG-04	0.0	13.5	8.0	0.46	13.55	80.16	21.0	0.1	29.9
2025-11-16 01:28:14	2025-11-16 09:28:45	14	LVAG-04	0.0	13.5	7.99	0.45	13.24	82.66	21.0	0.1	29.9

2025-11-16 01:58:10	2025-11-16 09:28:50	14	LVAG-04	0.0	13.25	8.0	0.45	13.05	84.13	21.0	0.1	29.9
2025-11-16 02:28:05	2025-11-16 09:28:54	14	LVAG-04	0.0	13.0	7.99	0.45	12.92	86.58	21.0	0.1	29.9
2025-11-16 02:58:00	2025-11-16 09:28:58	14	LVAG-04	0.0	13.0	8.0	0.45	12.9	87.44	21.0	0.1	29.9
2025-11-16 03:27:56	2025-11-16 09:29:02	14	LVAG-04	0.0	12.75	7.99	0.45	12.83	85.03	21.0	0.1	29.9
2025-11-16 03:57:51	2025-11-16 09:29:07	14	LVAG-04	0.0	12.75	8.0	0.45	12.89	87.36	21.0	0.1	29.9
2025-11-16 04:27:48	2025-11-16 09:29:11	14	LVAG-04	0.0	12.75	8.0	0.45	12.72	87.1	21.0	0.1	29.9
2025-11-16 04:57:44	2025-11-16 09:29:15	14	LVAG-04	0.0	12.5	7.99	0.45	12.44	85.49	21.0	0.1	29.9
2025-11-16 05:27:39	2025-11-16 09:29:20	14	LVAG-04	0.0	12.5	8.0	0.44	12.36	86.79	21.0	0.1	29.9
2025-11-16 05:57:35	2025-11-16 09:29:24	14	LVAG-04	0.0	12.25	7.99	0.44	12.26	87.22	21.0	0.1	29.9
2025-11-16 06:27:31	2025-11-16 09:29:28	14	LVAG-04	0.0	12.25	8.0	0.44	12.15	87.68	21.0	0.1	29.9
2025-11-16 06:57:29	2025-11-16 09:29:33	14	LVAG-04	0.0	12.25	7.98	0.44	12.04	89.84	21.0	0.1	30.0
2025-11-16 07:27:24	2025-11-16 09:29:37	14	LVAG-04	0.0	12.25	8.0	0.44	12.26	89.49	21.0	0.1	29.9
2025-11-16 07:57:21	2025-11-16 09:29:41	14	LVAG-04	0.0	12.75	8.0	0.44	12.83	86.39	21.0	0.1	29.9
2025-11-16 08:27:19	2025-11-16 09:29:46	14	LVAG-04	0.0	13.5	7.99	0.44	13.74	83.77	21.0	0.1	30.0
2025-11-16 08:57:17	2025-11-16 09:29:50	14	LVAG-04	0.0	14.5	8.0	0.44	15.01	79.33	21.0	0.1	30.0
2025-11-16 09:27:15	2025-11-16 09:29:54	14	LVAG-04	0.0	15.75	7.98	0.44	15.87	81.34	21.0	0.1	30.0
2025-11-16 09:59:31	2025-11-16 21:28:48	14	LVAG-04	0.0	17.0	7.98	0.43	17.03	73.06	22.0	718.9	32.3
2025-11-16 10:29:29	2025-11-16 21:28:53	14	LVAG-04	0.0	17.75	7.99	0.43	17.99	70.65	22.0	0.1	30.0
2025-11-16 10:59:27	2025-11-16 21:28:57	14	LVAG-04	0.0	18.75	7.97	0.43	19.05	67.85	22.0	0.1	30.0

## ■ DATOS COMPLETOS - Página 10 (Filas 316-350)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-16 11:29:24	2025-11-16 21:29:01	14	LVAG-04	0.0	19.75	8.0	0.43	19.89	66.4	22.0	0.1	29.9
2025-11-16 11:59:21	2025-11-16 21:29:06	14	LVAG-04	0.0	20.75	7.98	0.43	21.2	62.02	22.0	0.1	29.9
2025-11-16 12:29:19	2025-11-16 21:29:10	14	LVAG-04	0.0	22.25	7.98	0.43	22.63	57.01	22.0	0.1	30.0
2025-11-16 12:59:19	2025-11-16 21:29:15	14	LVAG-04	0.0	25.0	8.01	0.43	24.7	52.98	22.0	0.1	30.0
2025-11-16 13:29:20	2025-11-16 21:29:19	14	LVAG-04	0.0	27.0	8.01	0.43	25.05	50.28	22.0	0.1	30.0
2025-11-16 13:59:18	2025-11-16 21:29:24	14	LVAG-04	0.0	28.5	8.0	0.43	26.72	48.06	22.0	0.1	30.0
2025-11-16 14:29:16	2025-11-16 21:29:28	14	LVAG-04	0.0	30.0	8.03	0.42	26.5	51.05	22.0	0.1	30.0
2025-11-16 14:59:22	2025-11-16 21:29:33	14	LVAG-04	0.0	35.25	8.04	0.42	29.07	41.87	22.0	0.1	30.1
2025-11-16 15:29:23	2025-11-16 21:29:37	14	LVAG-04	0.0	38.25	8.04	0.43	28.88	49.83	22.0	0.1	30.0
2025-11-16 15:59:25	2025-11-16 21:29:41	14	LVAG-04	0.0	40.75	8.05	0.43	27.67	46.38	22.0	0.1	30.0
2025-11-16 16:29:21	2025-11-16 21:29:45	14	LVAG-04	0.0	40.75	8.05	0.43	27.1	45.08	22.0	0.1	29.9
2025-11-16 16:59:13	2025-11-16 21:29:49	14	LVAG-04	0.0	39.25	8.05	0.43	27.1	45.05	22.0	0.1	29.9
2025-11-16 17:29:07	2025-11-16 21:29:54	14	LVAG-04	0.0	38.25	8.05	0.43	26.77	45.25	22.0	0.1	29.9
2025-11-16 17:59:01	2025-11-16 21:29:58	14	LVAG-04	0.0	37.75	8.05	0.44	26.78	45.33	22.0	0.1	29.9
2025-11-16 18:28:50	2025-11-16 21:30:03	14	LVAG-04	0.0	33.0	8.01	0.44	24.83	51.44	22.0	0.1	29.8
2025-11-16 18:58:37	2025-11-16 21:30:08	14	LVAG-04	0.0	28.75	8.0	0.44	24.12	50.74	22.0	0.1	29.8

2025-11-16 19:28:34	2025-11-16 21:30:12	14	LVAG-04	0.0	29.25	7.94	0.44	22.87	53.93	22.0	0.1	29.9
2025-11-16 19:58:23	2025-11-16 21:30:16	14	LVAG-04	0.0	25.75	8.0	0.44	22.52	50.55	22.0	0.1	29.8
2025-11-16 20:28:14	2025-11-16 21:30:21	14	LVAG-04	0.0	23.75	8.01	0.44	20.96	60.89	22.0	0.1	29.9
2025-11-16 20:58:05	2025-11-16 21:30:25	14	LVAG-04	0.0	21.75	7.99	0.44	19.62	68.32	22.0	0.1	29.9
2025-11-16 21:27:58	2025-11-16 21:30:29	14	LVAG-04	0.0	20.0	7.99	0.44	18.37	74.72	22.0	0.1	29.9
2025-11-16 22:00:00	2025-11-17 09:29:14	14	LVAG-04	0.0	18.75	8.0	0.44	17.33	72.31	24.0	718.8	32.0
2025-11-16 22:29:54	2025-11-17 09:29:18	14	LVAG-04	0.0	17.75	8.01	0.44	16.86	71.67	24.0	0.1	29.9
2025-11-16 22:59:48	2025-11-17 09:29:23	14	LVAG-04	0.0	17.0	8.01	0.44	16.52	78.26	24.0	0.1	29.9
2025-11-16 23:29:43	2025-11-17 09:29:27	14	LVAG-04	0.0	16.5	7.98	0.44	16.35	78.26	24.0	0.1	29.9
2025-11-16 23:59:38	2025-11-17 09:29:31	14	LVAG-04	0.0	16.25	7.98	0.44	15.84	74.9	24.0	0.1	29.9
2025-11-17 00:29:32	2025-11-17 09:29:36	14	LVAG-04	0.0	15.5	8.0	0.44	15.05	76.71	24.0	0.1	29.9
2025-11-17 00:59:27	2025-11-17 09:29:40	14	LVAG-04	0.0	15.0	7.98	0.44	14.65	80.46	24.0	0.1	29.9
2025-11-17 01:29:20	2025-11-17 09:29:44	14	LVAG-04	0.0	14.25	8.0	0.44	14.13	86.85	24.0	0.1	29.9
2025-11-17 01:59:15	2025-11-17 09:29:48	14	LVAG-04	0.0	13.75	8.0	0.45	13.59	80.85	24.0	0.1	29.9
2025-11-17 02:29:09	2025-11-17 09:29:53	14	LVAG-04	0.0	13.25	8.0	0.45	13.17	81.85	24.0	0.1	29.9
2025-11-17 02:59:04	2025-11-17 09:29:57	14	LVAG-04	0.0	13.0	7.98	0.45	12.75	85.91	24.0	0.1	29.9
2025-11-17 03:28:59	2025-11-17 09:30:01	14	LVAG-04	0.0	12.5	8.01	0.45	12.43	85.54	24.0	0.1	29.9
2025-11-17 03:58:55	2025-11-17 09:30:06	14	LVAG-04	0.0	12.0	7.99	0.46	12.09	84.19	24.0	0.1	29.9
2025-11-17 04:28:50	2025-11-17 09:30:10	14	LVAG-04	0.0	11.75	8.0	0.46	11.79	84.56	24.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 11 (Filas 351-385)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-17 04:58:45	2025-11-17 09:30:14	14	LVAG-04	0.0	11.5	8.0	0.46	11.37	87.04	24.0	0.1	29.9
2025-11-17 05:28:39	2025-11-17 09:30:18	14	LVAG-04	0.0	11.0	8.0	0.46	11.36	85.91	24.0	0.1	29.9
2025-11-17 05:58:35	2025-11-17 09:30:23	14	LVAG-04	0.0	11.0	7.98	0.46	11.34	85.73	24.0	0.1	29.9
2025-11-17 06:28:31	2025-11-17 09:30:27	14	LVAG-04	0.0	11.0	7.98	0.47	11.21	86.49	24.0	0.1	29.9
2025-11-17 06:58:27	2025-11-17 09:30:31	14	LVAG-04	0.0	11.0	7.99	0.47	11.24	84.71	24.0	0.1	29.9
2025-11-17 07:28:26	2025-11-17 09:30:35	14	LVAG-04	0.0	11.25	7.99	0.47	11.99	84.75	24.0	0.1	30.0
2025-11-17 07:58:24	2025-11-17 09:30:40	14	LVAG-04	0.0	12.75	7.98	0.47	15.07	73.72	24.0	0.1	30.0
2025-11-17 08:28:25	2025-11-17 09:30:44	14	LVAG-04	0.0	15.25	8.0	0.47	17.41	69.57	24.0	0.1	30.0
2025-11-17 08:58:24	2025-11-17 09:30:48	14	LVAG-04	0.0	17.25	8.0	0.47	18.94	62.29	24.0	0.1	30.0
2025-11-17 09:28:23	2025-11-17 09:30:53	14	LVAG-04	0.0	19.0	8.0	0.47	19.72	60.61	24.0	0.1	30.0
2025-11-17 10:00:29	2025-11-17 21:29:50	14	LVAG-04	0.0	20.25	7.98	0.47	20.46	59.92	21.0	719.0	32.1
2025-11-17 10:30:26	2025-11-17 21:29:55	14	LVAG-04	0.0	21.25	8.0	0.47	21.46	52.3	21.0	0.1	29.9
2025-11-17 11:00:23	2025-11-17 21:29:59	14	LVAG-04	0.0	22.25	8.0	0.47	22.49	49.58	21.0	0.1	29.9
2025-11-17 11:30:21	2025-11-17 21:30:04	14	LVAG-04	0.0	23.25	8.0	0.47	23.56	47.15	21.0	0.1	30.0
2025-11-17 12:00:19	2025-11-17 21:30:09	14	LVAG-04	0.0	24.5	8.0	0.47	25.09	44.17	21.0	0.1	30.0
2025-11-17 12:30:17	2025-11-17 21:30:13	14	LVAG-04	0.0	26.0	8.01	0.46	26.36	39.79	21.0	0.1	30.0



2025-11-17 13:00:18	2025-11-17 21:30:18	14	LVAG-04	0.0	28.75	7.96	0.47	28.5	43.28	21.0	0.1	30.0
2025-11-17 13:30:20	2025-11-17 21:30:22	14	LVAG-04	0.0	31.75	7.99	0.47	29.12	37.02	21.0	0.1	30.0
2025-11-17 14:00:18	2025-11-17 21:30:27	14	LVAG-04	0.0	33.0	8.04	0.46	29.79	39.52	21.0	0.1	30.0
2025-11-17 14:30:18	2025-11-17 21:30:31	14	LVAG-04	0.0	34.5	8.03	0.46	29.87	35.04	21.0	0.1	30.0
2025-11-17 15:00:22	2025-11-17 21:30:36	14	LVAG-04	0.0	40.0	8.01	0.46	32.34	32.72	21.0	0.1	30.1
2025-11-17 15:30:23	2025-11-17 21:30:40	14	LVAG-04	0.0	43.5	8.03	0.47	34.13	28.98	21.0	0.1	30.0
2025-11-17 16:00:20	2025-11-17 21:30:44	14	LVAG-04	0.0	43.25	8.05	0.47	32.17	30.4	21.0	0.1	29.9
2025-11-17 16:30:12	2025-11-17 21:30:49	14	LVAG-04	0.0	42.25	8.01	0.47	33.03	31.55	21.0	0.1	29.9
2025-11-17 17:00:11	2025-11-17 21:30:54	14	LVAG-04	0.0	43.5	8.01	0.47	33.11	32.48	21.0	0.1	30.0
2025-11-17 17:30:07	2025-11-17 21:30:58	14	LVAG-04	0.0	43.75	8.0	0.47	33.03	30.94	21.0	0.1	29.9
2025-11-17 18:00:04	2025-11-17 21:31:02	14	LVAG-04	0.0	44.25	8.01	0.48	32.67	28.97	21.0	0.1	29.9
2025-11-17 18:29:56	2025-11-17 21:31:07	14	LVAG-04	0.0	41.0	7.99	0.47	30.37	35.21	21.0	0.1	29.9
2025-11-17 18:59:43	2025-11-17 21:31:12	14	LVAG-04	0.0	37.0	7.99	0.47	30.16	36.65	21.0	0.1	29.8
2025-11-17 19:29:39	2025-11-17 21:31:16	14	LVAG-04	0.0	36.5	7.97	0.48	28.83	40.72	21.0	0.1	29.9
2025-11-17 19:59:28	2025-11-17 21:31:20	14	LVAG-04	0.0	32.75	8.01	0.48	27.34	50.02	21.0	0.1	29.8
2025-11-17 20:29:18	2025-11-17 21:31:25	14	LVAG-04	0.0	29.5	7.99	0.48	24.44	56.67	21.0	0.1	29.8
2025-11-17 20:59:07	2025-11-17 21:31:29	14	LVAG-04	0.0	26.5	8.0	0.48	23.91	46.29	21.0	0.1	29.8
2025-11-17 21:28:58	2025-11-17 21:31:33	14	LVAG-04	0.0	24.5	7.99	0.48	21.81	63.06	21.0	0.1	29.9
2025-11-17 22:01:03	2025-11-18 09:30:19	14	LVAG-04	0.0	22.5	8.01	0.48	20.34	65.13	20.0	718.8	32.1

## ■ DATOS COMPLETOS - Página 12 (Filas 386-420)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-17 22:30:55	2025-11-18 09:30:23	14	LVAG-04	0.0	21.25	8.01	0.48	19.71	55.91	20.0	0.1	29.9
2025-11-17 23:30:43	2025-11-18 09:30:41	14	LVAG-04	0.0	19.0	8.0	0.48	17.86	67.86	20.0	0.3	59.8
2025-11-18 00:00:37	2025-11-18 09:30:45	14	LVAG-04	0.0	18.25	8.01	0.48	17.42	60.34	20.0	0.1	29.9
2025-11-18 00:30:31	2025-11-18 09:30:49	14	LVAG-04	0.0	17.25	7.98	0.48	16.44	62.57	20.0	0.1	29.9
2025-11-18 01:00:25	2025-11-18 09:30:54	14	LVAG-04	0.0	16.5	8.0	0.49	15.94	69.93	20.0	0.1	29.9
2025-11-18 01:30:19	2025-11-18 09:30:58	14	LVAG-04	0.0	16.0	8.0	0.49	15.39	69.94	20.0	0.1	29.9
2025-11-18 02:00:15	2025-11-18 09:31:02	14	LVAG-04	0.0	15.25	7.99	0.49	14.52	74.13	20.0	0.1	29.9
2025-11-18 02:30:09	2025-11-18 09:31:07	14	LVAG-04	0.0	14.75	7.98	0.49	14.27	78.4	20.0	0.1	29.9
2025-11-18 03:00:04	2025-11-18 09:31:11	14	LVAG-04	0.0	14.0	8.0	0.49	13.82	74.36	20.0	0.1	29.9
2025-11-18 03:29:59	2025-11-18 09:31:18	14	LVAG-04	0.0	13.75	8.0	0.5	13.45	76.99	20.0	0.1	29.9
2025-11-18 03:59:53	2025-11-18 09:31:22	14	LVAG-04	0.0	13.25	7.98	0.5	13.31	74.58	20.0	0.1	29.9
2025-11-18 04:29:49	2025-11-18 09:31:27	14	LVAG-04	0.0	13.0	7.99	0.5	12.72	83.0	20.0	0.1	29.9
2025-11-18 05:29:38	2025-11-18 09:31:45	14	LVAG-04	0.0	12.25	8.01	0.5	12.37	78.77	20.0	0.3	59.8
2025-11-18 05:59:34	2025-11-18 09:31:49	14	LVAG-04	0.0	12.0	8.0	0.5	11.95	87.27	20.0	0.1	29.9
2025-11-18 06:29:28	2025-11-18 09:31:54	14	LVAG-04	0.0	11.75	8.0	0.5	11.68	89.82	20.0	0.1	29.9
2025-11-18 06:59:24	2025-11-18 09:31:58	14	LVAG-04	0.0	11.5	8.0	0.5	11.62	83.97	20.0	0.1	29.9

2025-11-18 07:29:21	2025-11-18 09:32:02	14	LVAG-04	0.0	12.0	7.99	0.51	12.65	83.64	20.0	0.1	29.9
2025-11-18 07:59:19	2025-11-18 09:32:06	14	LVAG-04	0.0	13.25	8.0	0.5	15.87	72.18	20.0	0.1	30.0
2025-11-18 08:29:20	2025-11-18 09:32:10	14	LVAG-04	0.0	15.75	8.0	0.51	17.8	71.1	20.0	0.1	30.0
2025-11-18 08:59:20	2025-11-18 09:32:15	14	LVAG-04	0.0	17.75	7.98	0.51	19.01	61.55	20.0	0.1	30.0
2025-11-18 09:29:19	2025-11-18 09:32:19	14	LVAG-04	0.0	19.25	8.0	0.51	19.9	59.5	20.0	0.1	30.0
2025-11-18 10:31:52	2025-11-18 21:01:34	14	LVAG-04	0.0	21.5	7.99	0.51	21.78	57.09	22.0	689.2	62.5
2025-11-18 11:01:50	2025-11-18 21:01:39	14	LVAG-04	0.0	22.5	7.98	0.51	22.57	56.68	22.0	0.1	30.0
2025-11-18 12:01:45	2025-11-18 21:01:57	14	LVAG-04	0.0	24.25	8.0	0.51	24.49	45.08	22.0	0.3	59.9
2025-11-18 12:31:44	2025-11-18 21:02:01	14	LVAG-04	0.0	25.75	8.0	0.51	26.29	45.12	22.0	0.1	30.0
2025-11-18 13:31:45	2025-11-18 21:02:19	14	LVAG-04	0.0	30.25	7.98	0.5	28.51	43.93	22.0	0.3	60.0
2025-11-18 14:01:42	2025-11-18 21:02:23	14	LVAG-04	0.0	31.0	8.0	0.5	29.18	35.84	22.0	0.1	29.9
2025-11-18 17:31:30	2025-11-18 21:03:48	14	LVAG-04	0.0	41.5	8.03	0.49	30.19	32.13	22.0	1.4	209.8
2025-11-18 18:31:10	2025-11-18 21:04:06	14	LVAG-04	0.0	34.75	8.01	0.49	28.44	33.07	22.0	0.3	59.7
2025-11-18 19:01:00	2025-11-18 21:04:10	14	LVAG-04	0.0	32.0	8.01	0.48	27.92	33.43	22.0	0.1	29.8
2025-11-18 19:30:56	2025-11-18 21:04:14	14	LVAG-04	0.0	32.0	7.98	0.48	26.8	36.48	22.0	0.1	29.9
2025-11-18 20:00:45	2025-11-18 21:04:18	14	LVAG-04	0.0	28.5	8.03	0.48	25.96	35.56	22.0	0.1	29.8
2025-11-18 21:00:30	2025-11-18 21:04:56	14	LVAG-04	0.0	25.75	7.99	0.48	24.07	39.86	22.0	0.6	59.8
2025-11-18 21:34:17	2025-11-18 21:35:28	14	LVAG-04	0.0	24.5	8.02	0.47	22.82	42.33	22.0	30.5	33.8
2025-11-18 22:04:58	2025-11-19 09:04:12	14	LVAG-04	0.0	23.0	8.0	0.47	20.91	50.33	20.0	688.7	30.7

## ■ DATOS COMPLETOS - Página 13 (Filas 421-455)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-18 22:04:58	2025-11-19 09:04:12	14	LVAG-04	0.0	23.0	8.0	0.47	20.91	50.33	20.0	0.0	0.0
2025-11-18 22:34:51	2025-11-19 09:04:16	14	LVAG-04	0.0	21.25	7.99	0.47	19.41	60.61	20.0	0.1	29.9
2025-11-18 22:34:51	2025-11-19 09:04:16	14	LVAG-04	0.0	21.25	7.99	0.47	19.41	60.61	20.0	0.0	0.0
2025-11-18 23:04:44	2025-11-19 09:04:21	14	LVAG-04	0.0	20.0	8.0	0.47	18.68	63.02	20.0	0.1	29.9
2025-11-18 23:04:44	2025-11-19 09:04:21	14	LVAG-04	0.0	20.0	8.0	0.47	18.68	63.02	20.0	0.0	0.0
2025-11-18 23:34:37	2025-11-19 09:04:25	14	LVAG-04	0.0	18.75	7.98	0.47	17.74	68.58	20.0	0.1	29.9
2025-11-18 23:34:37	2025-11-19 09:04:25	14	LVAG-04	0.0	18.75	7.98	0.47	17.74	68.58	20.0	0.0	0.0
2025-11-19 00:04:33	2025-11-19 09:04:29	14	LVAG-04	0.0	18.0	8.01	0.46	17.01	74.88	20.0	0.1	29.9
2025-11-19 00:04:33	2025-11-19 09:04:29	14	LVAG-04	0.0	18.0	8.01	0.46	17.01	74.88	20.0	0.0	0.0
2025-11-19 00:34:27	2025-11-19 09:04:34	14	LVAG-04	0.0	17.0	7.98	0.46	16.32	73.5	20.0	0.1	29.9
2025-11-19 00:34:27	2025-11-19 09:04:34	14	LVAG-04	0.0	17.0	7.98	0.46	16.32	73.5	20.0	0.0	0.0
2025-11-19 01:04:22	2025-11-19 09:04:38	14	LVAG-04	0.0	16.25	8.0	0.46	15.78	77.03	20.0	0.1	29.9
2025-11-19 01:04:22	2025-11-19 09:04:38	14	LVAG-04	0.0	16.25	8.0	0.46	15.78	77.03	20.0	0.0	0.0
2025-11-19 01:34:16	2025-11-19 09:04:42	14	LVAG-04	0.0	15.75	8.0	0.46	15.26	76.15	20.0	0.1	29.9
2025-11-19 01:34:16	2025-11-19 09:04:42	14	LVAG-04	0.0	15.75	8.0	0.46	15.26	76.15	20.0	0.0	0.0
2025-11-19 02:04:11	2025-11-19 09:04:47	14	LVAG-04	0.0	15.25	8.0	0.46	14.8	74.43	20.0	0.1	29.9

2025-11-19 02:04:11	2025-11-19 09:04:47	14	LVAG-04	0.0	15.25	8.0	0.46	14.8	74.43	20.0	0.0	0.0
2025-11-19 02:34:06	2025-11-19 09:04:51	14	LVAG-04	0.0	14.5	8.01	0.46	14.18	76.3	20.0	0.1	29.9
2025-11-19 02:34:06	2025-11-19 09:04:51	14	LVAG-04	0.0	14.5	8.01	0.46	14.18	76.3	20.0	0.0	0.0
2025-11-19 03:04:01	2025-11-19 09:04:55	14	LVAG-04	0.0	14.0	8.01	0.45	13.73	79.23	20.0	0.1	29.9
2025-11-19 03:04:01	2025-11-19 09:04:55	14	LVAG-04	0.0	14.0	8.01	0.45	13.73	79.23	20.0	0.0	0.0
2025-11-19 03:33:56	2025-11-19 09:04:59	14	LVAG-04	0.0	13.5	8.0	0.45	13.4	79.0	20.0	0.1	29.9
2025-11-19 03:33:56	2025-11-19 09:04:59	14	LVAG-04	0.0	13.5	8.0	0.45	13.4	79.0	20.0	0.0	0.0
2025-11-19 04:03:50	2025-11-19 09:05:04	14	LVAG-04	0.0	13.0	7.99	0.45	12.94	86.17	20.0	0.1	29.9
2025-11-19 04:03:50	2025-11-19 09:05:04	14	LVAG-04	0.0	13.0	7.99	0.45	12.94	86.17	20.0	0.0	0.0
2025-11-19 04:33:45	2025-11-19 09:05:08	14	LVAG-04	0.0	12.5	8.0	0.45	12.51	82.76	20.0	0.1	29.9
2025-11-19 04:33:45	2025-11-19 09:05:08	14	LVAG-04	0.0	12.5	8.0	0.45	12.51	82.76	20.0	0.0	0.0
2025-11-19 05:03:40	2025-11-19 09:05:12	14	LVAG-04	0.0	12.25	8.0	0.45	12.2	89.72	20.0	0.1	29.9
2025-11-19 05:03:40	2025-11-19 09:05:12	14	LVAG-04	0.0	12.25	8.0	0.45	12.2	89.72	20.0	0.0	0.0
2025-11-19 05:33:35	2025-11-19 09:05:17	14	LVAG-04	0.0	11.75	8.0	0.45	11.6	84.85	20.0	0.1	29.9
2025-11-19 05:33:35	2025-11-19 09:05:17	14	LVAG-04	0.0	11.75	8.0	0.45	11.6	84.85	20.0	0.0	0.0
2025-11-19 06:03:29	2025-11-19 09:05:21	14	LVAG-04	0.0	11.5	8.0	0.44	11.43	85.41	20.0	0.1	29.9
2025-11-19 06:03:29	2025-11-19 09:05:21	14	LVAG-04	0.0	11.5	8.0	0.44	11.43	85.41	20.0	0.0	0.0
2025-11-19 06:33:24	2025-11-19 09:05:25	14	LVAG-04	0.0	11.0	8.0	0.44	11.18	85.1	20.0	0.1	29.9
2025-11-19 06:33:24	2025-11-19 09:05:25	14	LVAG-04	0.0	11.0	8.0	0.44	11.18	85.1	20.0	0.0	0.0

## ■ DATOS COMPLETOS - Página 14 (Filas 456-490)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-19 07:03:19	2025-11-19 09:05:30	14	LVAG-04	0.0	11.0	8.0	0.44	11.25	88.83	20.0	0.1	29.9
2025-11-19 07:03:19	2025-11-19 09:05:30	14	LVAG-04	0.0	11.0	8.0	0.44	11.25	88.83	20.0	0.0	0.0
2025-11-19 07:33:15	2025-11-19 09:05:34	14	LVAG-04	0.0	11.5	7.99	0.44	12.52	87.68	20.0	0.1	29.9
2025-11-19 07:33:15	2025-11-19 09:05:34	14	LVAG-04	0.0	11.5	7.99	0.44	12.52	87.68	20.0	0.0	0.0
2025-11-19 08:03:13	2025-11-19 09:05:38	14	LVAG-04	0.0	12.5	8.0	0.43	13.93	81.35	20.0	0.1	30.0
2025-11-19 08:03:13	2025-11-19 09:05:38	14	LVAG-04	0.0	12.5	8.0	0.43	13.93	81.35	20.0	0.0	0.0
2025-11-19 08:33:13	2025-11-19 09:05:43	14	LVAG-04	0.0	14.0	7.99	0.44	15.34	75.77	20.0	0.1	30.0
2025-11-19 08:33:13	2025-11-19 09:05:43	14	LVAG-04	0.0	14.0	7.99	0.44	15.34	75.77	20.0	0.0	0.0
2025-11-19 09:03:12	2025-11-19 09:05:47	14	LVAG-04	0.0	15.5	7.98	0.44	16.82	70.07	20.0	0.1	30.0
2025-11-19 09:03:12	2025-11-19 09:05:47	14	LVAG-04	0.0	15.5	7.98	0.44	16.82	70.07	20.0	0.0	0.0
2025-11-19 09:35:24	2025-11-19 21:04:50	14	LVAG-04	0.0	17.5	7.98	0.43	17.87	72.21	21.0	719.0	32.2
2025-11-19 09:35:24	2025-11-19 21:04:50	14	LVAG-04	0.0	17.5	7.98	0.43	17.87	72.21	21.0	0.0	0.0
2025-11-19 10:05:23	2025-11-19 21:04:54	14	LVAG-04	0.0	18.5	7.98	0.43	19.07	61.72	21.0	0.1	30.0
2025-11-19 10:05:23	2025-11-19 21:04:54	14	LVAG-04	0.0	18.5	7.98	0.43	19.07	61.72	21.0	0.0	0.0
2025-11-19 10:35:21	2025-11-19 21:04:59	14	LVAG-04	0.0	19.75	7.98	0.43	20.44	58.75	21.0	0.1	30.0
2025-11-19 10:35:21	2025-11-19 21:04:59	14	LVAG-04	0.0	19.75	7.98	0.43	20.44	58.75	21.0	0.0	0.0

2025-11-19 11:05:18	2025-11-19 21:05:03	14	LVAG-04	0.0	21.25	7.99	0.43	22.03	54.61	21.0	0.1	29.9
2025-11-19 11:05:18	2025-11-19 21:05:03	14	LVAG-04	0.0	21.25	7.99	0.43	22.03	54.61	21.0	0.0	0.0
2025-11-19 11:35:17	2025-11-19 21:05:08	14	LVAG-04	0.0	22.5	7.98	0.43	23.03	52.32	21.0	0.1	30.0
2025-11-19 11:35:17	2025-11-19 21:05:08	14	LVAG-04	0.0	22.5	7.98	0.43	23.03	52.32	21.0	0.0	0.0
2025-11-19 12:05:14	2025-11-19 21:05:12	14	LVAG-04	0.0	23.75	8.0	0.43	24.23	48.84	21.0	0.1	29.9
2025-11-19 12:05:14	2025-11-19 21:05:12	14	LVAG-04	0.0	23.75	8.0	0.43	24.23	48.84	21.0	0.0	0.0
2025-11-19 12:35:13	2025-11-19 21:05:17	14	LVAG-04	0.0	25.25	8.0	0.43	25.68	44.35	21.0	0.1	30.0
2025-11-19 12:35:13	2025-11-19 21:05:17	14	LVAG-04	0.0	25.25	8.0	0.43	25.68	44.35	21.0	0.0	0.0
2025-11-19 13:05:13	2025-11-19 21:05:22	14	LVAG-04	0.0	28.25	8.04	0.43	27.14	43.04	21.0	0.1	30.0
2025-11-19 13:05:13	2025-11-19 21:05:22	14	LVAG-04	0.0	28.25	8.04	0.43	27.14	43.04	21.0	0.0	0.0
2025-11-19 13:35:12	2025-11-19 21:05:26	14	LVAG-04	0.0	29.75	7.98	0.42	27.69	41.29	21.0	0.1	30.0
2025-11-19 13:35:12	2025-11-19 21:05:26	14	LVAG-04	0.0	29.75	7.98	0.42	27.69	41.29	21.0	0.0	0.0
2025-11-19 14:05:08	2025-11-19 21:05:31	14	LVAG-04	0.0	31.0	8.0	0.42	28.81	41.1	21.0	0.1	29.9
2025-11-19 14:05:08	2025-11-19 21:05:31	14	LVAG-04	0.0	31.0	8.0	0.42	28.81	41.1	21.0	0.0	0.0
2025-11-19 14:35:08	2025-11-19 21:05:35	14	LVAG-04	0.0	33.25	8.03	0.41	30.28	41.49	21.0	0.1	30.0
2025-11-19 14:35:08	2025-11-19 21:05:35	14	LVAG-04	0.0	33.25	8.03	0.41	30.28	41.49	21.0	0.0	0.0
2025-11-19 15:05:13	2025-11-19 21:05:39	14	LVAG-04	0.0	37.0	8.01	0.41	29.41	44.1	21.0	0.1	30.1
2025-11-19 15:05:13	2025-11-19 21:05:39	14	LVAG-04	0.0	37.0	8.01	0.41	29.41	44.1	21.0	0.0	0.0
2025-11-19 15:35:11	2025-11-19 21:05:44	14	LVAG-04	0.0	38.5	8.01	0.42	29.18	44.08	21.0	0.1	30.0

## ■ DATOS COMPLETOS - Página 15 (Filas 491-525)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-19 15:35:11	2025-11-19 21:05:44	14	LVAG-04	0.0	38.5	8.01	0.42	29.18	44.08	21.0	0.0	0.0
2025-11-19 16:05:07	2025-11-19 21:05:48	14	LVAG-04	0.0	39.0	8.05	0.42	28.93	39.96	21.0	0.1	29.9
2025-11-19 16:05:07	2025-11-19 21:05:48	14	LVAG-04	0.0	39.0	8.05	0.42	28.93	39.96	21.0	0.0	0.0
2025-11-19 16:35:05	2025-11-19 21:05:52	14	LVAG-04	0.0	40.0	8.05	0.42	28.13	40.75	21.0	0.1	30.0
2025-11-19 16:35:05	2025-11-19 21:05:52	14	LVAG-04	0.0	40.0	8.05	0.42	28.13	40.75	21.0	0.0	0.0
2025-11-19 17:05:00	2025-11-19 21:05:57	14	LVAG-04	0.0	39.75	8.05	0.42	27.91	40.0	21.0	0.1	29.9
2025-11-19 17:05:00	2025-11-19 21:05:57	14	LVAG-04	0.0	39.75	8.05	0.42	27.91	40.0	21.0	0.0	0.0
2025-11-19 17:34:57	2025-11-19 21:06:01	14	LVAG-04	0.0	40.25	8.05	0.41	26.98	47.74	21.0	0.1	29.9
2025-11-19 17:34:57	2025-11-19 21:06:01	14	LVAG-04	0.0	40.25	8.05	0.41	26.98	47.74	21.0	0.0	0.0
2025-11-19 18:04:53	2025-11-19 21:06:05	14	LVAG-04	0.0	41.0	8.01	0.42	26.72	43.01	21.0	0.1	29.9
2025-11-19 18:04:53	2025-11-19 21:06:05	14	LVAG-04	0.0	41.0	8.01	0.42	26.72	43.01	21.0	0.0	0.0
2025-11-19 18:34:38	2025-11-19 21:06:10	14	LVAG-04	0.0	34.0	7.99	0.41	25.15	48.41	21.0	0.1	29.8
2025-11-19 18:34:38	2025-11-19 21:06:10	14	LVAG-04	0.0	34.0	7.99	0.41	25.15	48.41	21.0	0.0	0.0
2025-11-19 19:04:23	2025-11-19 21:06:14	14	LVAG-04	0.0	30.0	8.0	0.41	24.6	46.06	21.0	0.1	29.8
2025-11-19 19:04:23	2025-11-19 21:06:14	14	LVAG-04	0.0	30.0	8.0	0.41	24.6	46.06	21.0	0.0	0.0
2025-11-19 19:34:18	2025-11-19 21:06:18	14	LVAG-04	0.0	28.25	8.01	0.41	22.53	53.38	21.0	0.1	29.9



2025-11-19 19:34:18	2025-11-19 21:06:18	14	LVAG-04	0.0	28.25	8.01	0.41	22.53	53.38	21.0	0.0	0.0
2025-11-19 20:04:07	2025-11-19 21:06:23	14	LVAG-04	0.0	24.75	7.99	0.41	20.9	58.38	21.0	0.1	29.8
2025-11-19 20:04:07	2025-11-19 21:06:23	14	LVAG-04	0.0	24.75	7.99	0.41	20.9	58.38	21.0	0.0	0.0
2025-11-19 20:33:58	2025-11-19 21:06:27	14	LVAG-04	0.0	22.25	8.03	0.41	19.86	62.02	21.0	0.1	29.9
2025-11-19 20:33:58	2025-11-19 21:06:27	14	LVAG-04	0.0	22.25	8.03	0.41	19.86	62.02	21.0	0.0	0.0
2025-11-19 21:03:50	2025-11-19 21:06:31	14	LVAG-04	0.0	20.75	8.01	0.4	19.15	62.27	21.0	0.1	29.9
2025-11-19 21:03:50	2025-11-19 21:06:31	14	LVAG-04	0.0	20.75	8.01	0.4	19.15	62.27	21.0	0.0	0.0
2025-11-19 21:36:03	2025-11-20 09:05:06	14	LVAG-04	0.0	19.5	7.98	0.4	18.38	64.53	20.0	718.6	32.2
2025-11-19 22:05:56	2025-11-20 09:05:11	14	LVAG-04	0.0	18.5	7.99	0.4	17.69	70.77	20.0	0.1	29.9
2025-11-19 22:35:50	2025-11-20 09:05:15	14	LVAG-04	0.0	17.75	8.01	0.4	16.98	73.26	20.0	0.1	29.9
2025-11-19 23:05:45	2025-11-20 09:05:19	14	LVAG-04	0.0	17.0	7.98	0.4	16.45	70.61	20.0	0.1	29.9
2025-11-19 23:35:39	2025-11-20 09:05:23	14	LVAG-04	0.0	16.25	7.97	0.4	15.81	74.37	20.0	0.1	29.9
2025-11-20 00:05:33	2025-11-20 09:05:28	14	LVAG-04	0.0	15.75	7.98	0.4	15.24	77.01	20.0	0.1	29.9
2025-11-20 00:35:27	2025-11-20 09:05:32	14	LVAG-04	0.0	15.0	8.0	0.39	14.69	78.14	20.0	0.1	29.9
2025-11-20 01:05:22	2025-11-20 09:05:37	14	LVAG-04	0.0	14.5	7.98	0.39	14.41	84.78	20.0	0.1	29.9
2025-11-20 01:35:17	2025-11-20 09:05:41	14	LVAG-04	0.0	14.25	8.0	0.39	14.13	78.63	20.0	0.1	29.9
2025-11-20 02:05:12	2025-11-20 09:05:45	14	LVAG-04	0.0	14.0	7.98	0.39	13.68	80.24	20.0	0.1	29.9
2025-11-20 02:35:07	2025-11-20 09:05:49	14	LVAG-04	0.0	13.5	7.98	0.39	13.57	87.21	20.0	0.1	29.9
2025-11-20 03:05:01	2025-11-20 09:05:54	14	LVAG-04	0.0	13.5	7.99	0.39	13.3	81.88	20.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 16 (Filas 526-560)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-20 03:34:57	2025-11-20 09:05:58	14	LVAG-04	0.0	13.25	7.99	0.39	13.15	80.97	20.0	0.1	29.9
2025-11-20 04:04:52	2025-11-20 09:06:02	14	LVAG-04	0.0	13.0	7.99	0.38	12.84	83.11	20.0	0.1	29.9
2025-11-20 04:34:48	2025-11-20 09:06:07	14	LVAG-04	0.0	12.5	7.98	0.38	12.63	87.93	20.0	0.1	29.9
2025-11-20 05:04:43	2025-11-20 09:06:11	14	LVAG-04	0.0	12.25	8.0	0.38	12.17	86.61	20.0	0.1	29.9
2025-11-20 05:34:38	2025-11-20 09:06:15	14	LVAG-04	0.0	12.0	8.0	0.38	12.09	91.16	20.0	0.1	29.9
2025-11-20 06:04:34	2025-11-20 09:06:20	14	LVAG-04	0.0	12.0	8.0	0.38	11.84	90.55	20.0	0.1	29.9
2025-11-20 06:34:30	2025-11-20 09:06:24	14	LVAG-04	0.0	11.75	8.0	0.38	11.89	90.37	20.0	0.1	29.9
2025-11-20 07:04:26	2025-11-20 09:06:29	14	LVAG-04	0.0	12.0	7.99	0.38	12.08	93.4	20.0	0.1	29.9
2025-11-20 07:34:22	2025-11-20 09:06:33	14	LVAG-04	0.0	12.25	7.98	0.38	12.69	94.52	20.0	0.1	29.9
2025-11-20 08:04:19	2025-11-20 09:06:38	14	LVAG-04	0.0	13.0	8.0	0.38	13.18	91.2	20.0	0.1	29.9
2025-11-20 08:34:16	2025-11-20 09:06:42	14	LVAG-04	0.0	14.0	7.99	0.38	13.14	87.94	20.0	0.1	29.9
2025-11-20 09:04:14	2025-11-20 09:06:46	14	LVAG-04	0.0	15.0	7.98	0.38	14.53	83.25	20.0	0.1	30.0
2025-11-20 09:36:24	2025-11-20 21:05:45	14	LVAG-04	0.0	16.75	7.97	0.38	15.85	81.69	22.0	719.0	32.2
2025-11-20 10:06:22	2025-11-20 21:05:50	14	LVAG-04	0.0	18.0	7.98	0.38	16.41	80.75	22.0	0.1	30.0
2025-11-20 10:36:21	2025-11-20 21:05:54	14	LVAG-04	0.0	19.0	8.01	0.37	16.9	79.09	22.0	0.1	30.0
2025-11-20 11:06:17	2025-11-20 21:05:58	14	LVAG-04	0.0	19.5	7.98	0.37	16.91	78.26	22.0	0.1	29.9

2025-11-20 11:36:14	2025-11-20 21:06:02	14	LVAG-04	0.0	20.0	7.98	0.37	17.51	77.65	22.0	0.1	29.9
2025-11-20 12:06:12	2025-11-20 21:06:06	14	LVAG-04	0.0	21.0	8.01	0.37	17.86	75.0	22.0	0.1	30.0
2025-11-20 12:36:10	2025-11-20 21:06:11	14	LVAG-04	0.0	22.25	7.98	0.37	19.55	73.79	22.0	0.1	30.0
2025-11-20 13:06:07	2025-11-20 21:06:15	14	LVAG-04	0.0	23.0	8.03	0.37	19.81	67.72	22.0	0.1	29.9
2025-11-20 13:36:04	2025-11-20 21:06:19	14	LVAG-04	0.0	23.25	8.0	0.37	20.03	68.43	22.0	0.1	29.9
2025-11-20 14:06:01	2025-11-20 21:06:23	14	LVAG-04	0.0	23.75	8.0	0.37	20.17	66.3	22.0	0.1	29.9
2025-11-20 14:35:54	2025-11-20 21:06:27	14	LVAG-04	0.0	22.5	8.01	0.37	19.13	70.04	22.0	0.1	29.9
2025-11-20 15:05:48	2025-11-20 21:06:31	14	LVAG-04	0.0	21.5	7.98	0.37	18.71	73.34	22.0	0.1	29.9
2025-11-20 15:35:43	2025-11-20 21:06:36	14	LVAG-04	0.0	21.25	7.98	0.36	18.97	71.33	22.0	0.1	29.9
2025-11-20 16:05:39	2025-11-20 21:06:40	14	LVAG-04	0.0	21.25	8.0	0.36	19.01	73.22	22.0	0.1	29.9
2025-11-20 16:35:35	2025-11-20 21:06:44	14	LVAG-04	0.0	21.5	8.0	0.36	19.19	69.24	22.0	0.1	29.9
2025-11-20 17:05:32	2025-11-20 21:06:48	14	LVAG-04	0.0	22.75	7.99	0.36	21.22	64.75	22.0	0.1	29.9
2025-11-20 17:35:37	2025-11-20 21:06:53	14	LVAG-04	0.0	27.5	8.05	0.35	22.64	58.04	22.0	0.1	30.1
2025-11-20 18:05:41	2025-11-20 21:06:57	14	LVAG-04	0.0	31.0	8.0	0.36	23.29	59.58	22.0	0.1	30.1
2025-11-20 18:35:35	2025-11-20 21:07:01	14	LVAG-04	0.0	29.75	7.97	0.36	22.72	60.1	22.0	0.1	29.9
2025-11-20 19:05:26	2025-11-20 21:07:05	14	LVAG-04	0.0	27.25	8.01	0.37	22.47	60.84	22.0	0.1	29.9
2025-11-20 19:35:20	2025-11-20 21:07:10	14	LVAG-04	0.0	26.0	8.01	0.37	21.8	63.38	22.0	0.1	29.9
2025-11-20 20:05:11	2025-11-20 21:07:14	14	LVAG-04	0.0	23.5	7.98	0.37	20.08	64.19	22.0	0.1	29.9
2025-11-20 20:35:02	2025-11-20 21:07:18	14	LVAG-04	0.0	21.25	8.0	0.38	18.72	66.1	22.0	0.1	29.9

## ■ DATOS COMPLETOS - Página 17 (Filas 561-595)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-20 21:04:54	2025-11-20 21:07:22	14	LVAG-04	0.0	19.5	8.0	0.38	17.18	74.65	22.0	0.1	29.9
2025-11-20 21:36:51	2025-11-21 22:24:42	14	LVAG-04	0.0	17.75	7.98	0.38	16.19	81.67	22.0	1517.3	31.9
2025-11-20 23:36:26	2025-11-21 22:24:52	14	LVAG-04	0.0	14.0	7.99	0.38	13.69	83.78	22.0	0.2	119.6
2025-11-20 23:06:31	2025-11-21 22:24:52	14	LVAG-04	0.0	14.75	7.98	0.38	14.14	83.37	22.0	0.0	-29.9
2025-11-20 22:36:38	2025-11-21 22:24:52	14	LVAG-04	0.0	15.5	7.98	0.38	14.7	82.89	22.0	0.0	-29.9
2025-11-20 22:06:44	2025-11-21 22:24:52	14	LVAG-04	0.0	16.5	7.99	0.38	15.51	84.34	22.0	0.0	-29.9
2025-11-21 00:06:20	2025-11-21 22:25:48	14	LVAG-04	0.0	13.5	8.0	0.38	13.29	85.49	22.0	0.9	119.6
2025-11-21 00:36:14	2025-11-21 22:26:14	14	LVAG-04	0.0	13.0	8.0	0.38	12.84	92.09	22.0	0.4	29.9
2025-11-21 01:06:08	2025-11-21 22:26:14	14	LVAG-04	0.0	12.75	8.0	0.38	12.68	90.94	22.0	0.0	29.9
2025-11-21 01:36:03	2025-11-21 22:26:14	14	LVAG-04	0.0	12.25	7.98	0.38	12.24	89.17	22.0	0.0	29.9
2025-11-21 02:05:59	2025-11-21 22:26:14	14	LVAG-04	0.0	12.0	7.98	0.38	11.92	90.69	22.0	0.0	29.9
2025-11-21 02:35:53	2025-11-21 22:27:26	14	LVAG-04	0.0	11.5	7.98	0.38	11.51	91.97	22.0	1.2	29.9
2025-11-21 03:35:43	2025-11-21 22:27:29	14	LVAG-04	0.0	10.75	7.98	0.38	10.83	94.42	22.0	0.1	59.8
2025-11-21 04:05:39	2025-11-21 22:27:29	14	LVAG-04	0.0	10.75	7.99	0.38	10.68	94.65	22.0	0.0	29.9
2025-11-21 03:05:49	2025-11-21 22:27:29	14	LVAG-04	0.0	11.25	7.98	0.38	11.15	90.71	22.0	0.0	-59.8
2025-11-21 04:35:34	2025-11-21 22:28:04	14	LVAG-04	0.0	10.25	7.99	0.38	10.38	93.32	22.0	0.6	89.8

2025-11-21 05:05:28	2025-11-21 22:28:51	14	LVAG-04	0.0	10.0	7.97	0.38	9.99	92.66	22.0	0.8	29.9
2025-11-21 05:35:24	2025-11-21 22:28:51	14	LVAG-04	0.0	9.75	7.97	0.37	10.06	96.35	22.0	0.0	29.9
2025-11-21 06:05:20	2025-11-21 22:28:51	14	LVAG-04	0.0	9.75	7.99	0.37	9.95	94.91	22.0	0.0	29.9
2025-11-21 06:35:16	2025-11-21 22:28:51	14	LVAG-04	0.0	9.5	7.99	0.37	9.59	94.28	22.0	0.0	29.9
2025-11-21 07:05:11	2025-11-21 22:29:53	14	LVAG-04	0.0	9.5	7.98	0.37	9.7	93.41	22.0	1.0	29.9
2025-11-21 08:35:03	2025-11-21 22:30:09	14	LVAG-04	0.0	12.5	7.98	0.37	14.74	85.33	22.0	0.3	89.9
2025-11-21 07:35:07	2025-11-21 22:30:09	14	LVAG-04	0.0	9.75	7.99	0.37	10.46	94.62	22.0	0.0	-59.9
2025-11-21 08:05:05	2025-11-21 22:30:09	14	LVAG-04	0.0	10.75	7.98	0.37	12.12	93.71	22.0	0.0	30.0
2025-11-21 09:05:03	2025-11-21 22:30:09	14	LVAG-04	0.0	14.75	7.99	0.37	16.81	81.38	22.0	0.0	60.0
2025-11-21 09:36:34	2025-11-21 22:31:15	14	LVAG-04	0.0	17.0	7.97	0.37	18.4	72.62	22.0	1.1	31.5
2025-11-21 10:06:33	2025-11-21 22:31:21	14	LVAG-04	0.0	19.0	7.98	0.37	19.88	62.16	22.0	0.1	30.0
2025-11-21 10:36:31	2025-11-21 22:31:21	14	LVAG-04	0.0	20.25	8.0	0.36	20.79	60.87	22.0	0.0	30.0
2025-11-21 11:06:30	2025-11-21 22:31:21	14	LVAG-04	0.0	21.5	8.0	0.36	22.27	54.88	22.0	0.0	30.0
2025-11-21 11:36:28	2025-11-21 22:31:38	14	LVAG-04	0.0	23.0	7.98	0.36	23.67	56.12	22.0	0.3	30.0
2025-11-21 12:06:26	2025-11-21 22:32:34	14	LVAG-04	0.0	24.25	8.0	0.36	25.01	45.71	22.0	0.9	30.0
2025-11-21 12:36:26	2025-11-21 22:32:35	14	LVAG-04	0.0	26.0	8.0	0.36	26.48	47.03	22.0	0.0	30.0
2025-11-21 13:06:27	2025-11-21 22:32:35	14	LVAG-04	0.0	29.25	7.91	0.37	28.56	38.21	22.0	0.0	30.0
2025-11-21 13:36:27	2025-11-21 22:32:35	14	LVAG-04	0.0	31.0	7.98	0.37	29.47	38.88	22.0	0.0	30.0
2025-11-21 14:06:24	2025-11-21 22:33:35	14	LVAG-04	0.0	32.5	7.96	0.37	30.23	37.21	22.0	1.0	29.9

## ■ DATOS COMPLETOS - Página 18 (Filas 596-630)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados Celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados Celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-21 15:06:26	2025-11-21 22:33:59	14	LVAG-04	0.0	38.5	8.04	0.38	30.87	28.87	22.0	0.4	60.0
2025-11-21 14:36:24	2025-11-21 22:33:59	14	LVAG-04	0.0	35.25	8.04	0.38	31.7	29.64	22.0	0.0	-30.0
2025-11-21 15:36:24	2025-11-21 22:34:00	14	LVAG-04	0.0	40.0	8.0	0.37	32.18	30.92	22.0	0.0	60.0
2025-11-21 16:06:24	2025-11-21 22:34:00	14	LVAG-04	0.0	42.0	8.05	0.38	31.41	32.53	22.0	0.0	30.0
2025-11-21 16:36:17	2025-11-21 22:35:10	14	LVAG-04	0.0	41.25	8.05	0.39	30.91	25.86	22.0	1.2	29.9
2025-11-21 17:06:13	2025-11-21 22:35:26	14	LVAG-04	0.0	42.0	8.01	0.39	30.78	27.45	22.0	0.3	29.9
2025-11-21 17:36:13	2025-11-21 22:35:26	14	LVAG-04	0.0	45.0	8.05	0.38	31.67	29.43	22.0	0.0	30.0
2025-11-21 18:06:13	2025-11-21 22:35:26	14	LVAG-04	0.0	46.75	8.01	0.4	29.95	32.7	22.0	0.0	30.0
2025-11-21 18:35:53	2025-11-21 22:35:26	14	LVAG-04	0.0	38.25	8.01	0.4	27.67	37.72	22.0	0.0	29.7
2025-11-21 19:05:37	2025-11-21 22:36:35	14	LVAG-04	0.0	33.0	7.98	0.4	27.64	33.57	22.0	1.1	29.7
2025-11-21 20:05:18	2025-11-21 22:36:42	14	LVAG-04	0.0	27.5	8.0	0.41	23.77	40.83	22.0	0.1	59.7
2025-11-21 20:35:10	2025-11-21 22:36:42	14	LVAG-04	0.0	25.25	8.01	0.41	23.05	39.16	22.0	0.0	29.9
2025-11-21 19:35:30	2025-11-21 22:36:42	14	LVAG-04	0.0	30.75	7.99	0.4	24.85	38.49	22.0	0.0	-59.7
2025-11-21 21:05:02	2025-11-21 22:36:54	14	LVAG-04	0.0	23.5	8.0	0.41	21.73	46.21	22.0	0.2	89.5
2025-11-21 21:46:03	2025-11-22 11:49:30	14	LVAG-04	0.0	21.75	7.97	0.41	19.29	56.71	24.0	792.6	41.0
2025-11-22 00:15:30	2025-11-22 11:50:02	14	LVAG-04	0.0	16.0	7.98	0.43	15.31	63.17	24.0	0.5	149.4

2025-11-22 02:15:09	2025-11-22 11:51:08	14	LVAG-04	0.0	13.5	7.99	0.44	13.32	70.41	24.0	1.1	119.7
2025-11-22 05:44:34	2025-11-22 11:51:44	14	LVAG-04	0.0	10.75	8.0	0.47	10.75	82.7	24.0	0.6	209.4
2025-11-22 09:14:18	2025-11-22 11:53:18	14	LVAG-04	0.0	16.25	7.98	0.5	18.16	65.25	24.0	1.6	209.7
2025-11-22 09:50:16	2025-11-22 23:45:20	14	LVAG-04	0.0	19.25	8.0	0.5	20.41	54.69	23.0	712.0	36.0
2025-11-22 12:20:07	2025-11-22 23:45:54	14	LVAG-04	0.0	25.5	7.98	0.51	25.88	42.56	23.0	0.6	149.8
2025-11-22 13:50:02	2025-11-22 23:47:02	14	LVAG-04	0.0	30.25	7.98	0.51	28.52	36.75	23.0	1.1	89.9
2025-11-22 15:50:05	2025-11-22 23:47:27	14	LVAG-04	0.0	41.0	8.05	0.52	30.63	34.6	23.0	0.4	120.0
2025-11-22 16:20:01	2025-11-22 23:47:35	14	LVAG-04	0.0	41.0	8.05	0.52	30.46	37.05	23.0	0.1	29.9
2025-11-22 17:19:51	2025-11-22 23:47:40	14	LVAG-04	0.0	41.0	8.05	0.51	30.58	40.48	23.0	0.1	59.8
2025-11-22 21:18:45	2025-11-22 23:49:05	14	LVAG-04	0.0	21.5	8.0	0.53	19.42	60.23	23.0	1.4	238.9
2025-11-22 23:53:54	2025-11-23 11:51:18	14	LVAG-04	0.0	14.75	8.0	0.53	14.14	82.05	19.0	722.2	155.2
2025-11-23 00:53:41	2025-11-23 11:51:34	14	LVAG-04	0.0	13.5	8.0	0.53	13.33	85.41	19.0	0.3	59.8
2025-11-23 01:23:36	2025-11-23 11:51:57	14	LVAG-04	0.0	13.0	7.98	0.53	13.0	86.64	19.0	0.4	29.9
2025-11-23 05:52:56	2025-11-23 11:52:58	14	LVAG-04	0.0	11.75	7.99	0.54	11.25	100.0	19.0	1.0	269.3
2025-11-23 06:52:46	2025-11-23 11:53:04	14	LVAG-04	0.0	11.75	7.98	0.54	11.7	100.0	19.0	0.1	59.8
2025-11-23 08:22:34	2025-11-23 11:53:14	14	LVAG-04	0.0	12.5	7.99	0.54	11.87	100.0	19.0	0.2	89.8
2025-11-23 09:58:14	2025-11-23 23:45:14	14	LVAG-04	0.0	15.5	8.0	0.54	14.82	89.7	25.0	712.0	95.7
2025-11-23 13:58:02	2025-11-23 23:45:54	14	LVAG-04	0.0	27.0	7.94	0.52	24.7	50.75	25.0	0.7	239.8
2025-11-23 14:28:01	2025-11-23 23:46:09	14	LVAG-04	0.0	28.75	8.02	0.52	25.41	51.21	25.0	0.2	30.0

## ■ DATOS COMPLETOS - Página 19 (Filas 631-665)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-23 15:28:08	2025-11-23 23:46:14	14	LVAG-04	0.0	37.0	8.04	0.52	26.55	48.3	25.0	0.1	60.1
2025-11-23 16:57:58	2025-11-23 23:46:35	14	LVAG-04	0.0	39.75	8.01	0.51	27.26	46.48	25.0	0.3	89.8
2025-11-23 17:27:55	2025-11-23 23:46:45	14	LVAG-04	0.0	40.5	8.05	0.51	27.26	46.65	25.0	0.2	29.9
2025-11-23 18:27:40	2025-11-23 23:46:56	14	LVAG-04	0.0	35.75	7.99	0.51	24.91	53.74	25.0	0.2	59.8
2025-11-23 19:57:05	2025-11-23 23:47:20	14	LVAG-04	0.0	25.25	8.01	0.5	21.73	62.38	25.0	0.4	89.4
2025-11-23 20:26:57	2025-11-23 23:47:47	14	LVAG-04	0.0	23.25	8.01	0.5	20.31	67.73	25.0	0.5	29.9
2025-11-23 21:26:41	2025-11-23 23:48:08	14	LVAG-04	0.0	19.5	7.98	0.5	18.14	70.12	25.0	0.3	59.7
2025-11-23 22:02:19	2025-11-24 11:31:10	14	LVAG-04	0.0	18.5	8.01	0.5	16.83	73.7	23.0	703.0	35.6
2025-11-23 22:32:11	2025-11-24 11:31:29	14	LVAG-04	0.0	17.0	8.01	0.5	15.76	77.72	23.0	0.3	29.9
2025-11-24 00:31:48	2025-11-24 11:31:35	14	LVAG-04	0.0	13.75	8.0	0.52	13.49	85.31	23.0	0.1	119.6
2025-11-23 23:31:59	2025-11-24 11:31:35	14	LVAG-04	0.0	15.0	8.01	0.51	14.35	82.41	23.0	0.0	-59.8
2025-11-24 01:31:40	2025-11-24 11:32:14	14	LVAG-04	0.0	12.75	7.99	0.52	12.96	89.22	23.0	0.7	119.7
2025-11-24 04:01:20	2025-11-24 11:33:02	14	LVAG-04	0.0	13.5	7.97	0.53	13.26	94.27	23.0	0.8	149.7
2025-11-24 05:01:11	2025-11-24 11:33:47	14	LVAG-04	0.0	13.5	7.99	0.54	13.5	92.29	23.0	0.8	59.9
2025-11-24 05:31:07	2025-11-24 11:33:47	14	LVAG-04	0.0	13.5	7.93	0.54	13.44	94.33	23.0	0.0	29.9
2025-11-24 09:00:40	2025-11-24 11:35:00	14	LVAG-04	0.0	14.0	7.98	0.54	13.18	96.24	23.0	1.2	209.6



2025-11-24 09:36:32	2025-11-24 21:05:57	14	LVAG-04	0.0	15.0	8.0	0.54	14.17	92.86	21.0	571.0	35.9
2025-11-24 10:06:30	2025-11-24 21:06:01	14	LVAG-04	0.0	16.0	7.98	0.54	14.95	91.3	21.0	0.1	30.0
2025-11-24 10:36:27	2025-11-24 21:06:06	14	LVAG-04	0.0	17.25	7.94	0.54	15.81	85.66	21.0	0.1	29.9
2025-11-24 11:06:26	2025-11-24 21:06:10	14	LVAG-04	0.0	19.0	8.0	0.54	17.05	80.87	21.0	0.1	30.0
2025-11-24 11:36:26	2025-11-24 21:06:14	14	LVAG-04	0.0	20.25	8.0	0.54	17.8	81.46	21.0	0.1	30.0
2025-11-24 12:06:20	2025-11-24 21:06:19	14	LVAG-04	0.0	20.0	7.99	0.54	18.66	80.06	21.0	0.1	29.9
2025-11-24 12:36:17	2025-11-24 21:06:23	14	LVAG-04	0.0	20.75	8.02	0.54	20.32	73.05	21.0	0.1	29.9
2025-11-24 13:06:18	2025-11-24 21:06:27	14	LVAG-04	0.0	23.5	8.0	0.54	22.12	63.8	21.0	0.1	30.0
2025-11-24 13:36:17	2025-11-24 21:06:32	14	LVAG-04	0.0	25.0	7.98	0.54	23.33	62.04	21.0	0.1	30.0
2025-11-24 14:06:14	2025-11-24 21:06:36	14	LVAG-04	0.0	27.0	8.02	0.54	25.12	59.6	21.0	0.1	29.9
2025-11-24 14:36:16	2025-11-24 21:06:40	14	LVAG-04	0.0	30.25	8.03	0.54	25.65	56.8	21.0	0.1	30.0
2025-11-24 15:06:20	2025-11-24 21:06:45	14	LVAG-04	0.0	35.0	8.03	0.54	26.76	50.83	21.0	0.1	30.1
2025-11-24 15:36:20	2025-11-24 21:06:49	14	LVAG-04	0.0	36.5	8.03	0.54	26.56	51.52	21.0	0.1	30.0
2025-11-24 16:06:15	2025-11-24 21:06:53	14	LVAG-04	0.0	36.75	8.05	0.54	26.29	52.04	21.0	0.1	29.9
2025-11-24 16:36:12	2025-11-24 21:06:58	14	LVAG-04	0.0	37.75	8.01	0.54	26.54	51.23	21.0	0.1	29.9
2025-11-24 17:06:11	2025-11-24 21:07:02	14	LVAG-04	0.0	39.75	8.05	0.54	26.86	52.3	21.0	0.1	30.0
2025-11-24 17:36:08	2025-11-24 21:07:06	14	LVAG-04	0.0	41.75	8.04	0.55	28.21	50.12	21.0	0.1	29.9
2025-11-24 18:06:07	2025-11-24 21:07:11	14	LVAG-04	0.0	43.5	7.98	0.55	27.04	53.99	21.0	0.1	30.0
2025-11-24 18:35:48	2025-11-24 21:07:15	14	LVAG-04	0.0	35.25	8.01	0.54	23.92	60.04	21.0	0.1	29.7

## ■ DATOS COMPLETOS - Página 20 (Filas 666-694)

fecha	fecha_insercion	id_proyecto	codigo_interno	A01NYUB [Distancia (m)]	DS3231 [Grados celsius (°C)]	Divisor de Voltaje [Voltaje (V)]	LIQ-136 [Profundidad (m)]	SHT40 [Grados celsius (°C)]	SHT40 [Humedad (%)]	SIM7600G [Intensidad señal telefónica (Adimensional)]	Min. Dif. Insercion	Min. Dif. Medicion
2025-11-24 19:05:32	2025-11-24 21:07:19	14	LVAG-04	0.0	30.0	7.98	0.54	22.86	62.29	21.0	0.1	29.7
2025-11-24 19:35:21	2025-11-24 21:07:24	14	LVAG-04	0.0	26.75	7.98	0.54	21.67	64.76	21.0	0.1	29.8
2025-11-24 20:05:11	2025-11-24 21:07:28	14	LVAG-04	0.0	23.75	7.99	0.54	20.45	67.73	21.0	0.1	29.8
2025-11-24 20:35:03	2025-11-24 21:07:32	14	LVAG-04	0.0	21.75	8.0	0.54	19.23	74.82	21.0	0.1	29.9
2025-11-24 21:04:56	2025-11-24 21:07:37	14	LVAG-04	0.0	20.0	7.98	0.54	18.05	72.14	21.0	0.1	29.9
2025-11-24 21:37:05	2025-11-25 09:06:14	14	LVAG-04	0.0	18.5	7.96	0.54	16.74	77.84	20.0	718.6	32.1
2025-11-24 22:07:00	2025-11-25 09:06:19	14	LVAG-04	0.0	17.25	8.0	0.54	16.02	79.18	20.0	0.1	29.9
2025-11-24 22:36:53	2025-11-25 09:06:23	14	LVAG-04	0.0	16.25	7.99	0.53	15.36	81.61	20.0	0.1	29.9
2025-11-24 23:06:48	2025-11-25 09:06:28	14	LVAG-04	0.0	15.5	7.98	0.53	14.69	87.11	20.0	0.1	29.9
2025-11-24 23:36:42	2025-11-25 09:06:33	14	LVAG-04	0.0	14.75	8.0	0.53	14.44	85.46	20.0	0.1	29.9
2025-11-25 00:06:37	2025-11-25 09:06:37	14	LVAG-04	0.0	14.25	8.0	0.52	13.94	89.38	20.0	0.1	29.9
2025-11-25 00:36:32	2025-11-25 09:06:41	14	LVAG-04	0.0	14.0	8.0	0.52	13.98	90.36	20.0	0.1	29.9
2025-11-25 01:06:27	2025-11-25 09:06:45	14	LVAG-04	0.0	14.25	7.97	0.52	14.53	89.16	20.0	0.1	29.9
2025-11-25 01:36:24	2025-11-25 09:06:50	14	LVAG-04	0.0	14.5	7.99	0.52	14.55	87.87	20.0	0.1	29.9
2025-11-25 02:06:21	2025-11-25 09:06:55	14	LVAG-04	0.0	14.5	8.0	0.51	14.44	88.77	20.0	0.1	29.9
2025-11-25 02:36:17	2025-11-25 09:06:59	14	LVAG-04	0.0	14.75	7.98	0.51	14.58	88.58	20.0	0.1	29.9

2025-11-25 03:06:13	2025-11-25 09:07:04	14	LVAG-04	0.0	14.75	8.0	0.51	14.63	87.54	20.0	0.1	29.9
2025-11-25 03:36:08	2025-11-25 09:07:08	14	LVAG-04	0.0	14.5	8.0	0.51	14.2	89.99	20.0	0.1	29.9
2025-11-25 04:06:05	2025-11-25 09:07:12	14	LVAG-04	0.0	14.5	7.98	0.51	14.07	92.54	20.0	0.1	29.9
2025-11-25 04:36:00	2025-11-25 09:07:17	14	LVAG-04	0.0	14.5	7.98	0.51	14.1	90.96	20.0	0.1	29.9
2025-11-25 05:05:55	2025-11-25 09:07:21	14	LVAG-04	0.0	14.25	7.98	0.51	13.96	93.0	20.0	0.1	29.9
2025-11-25 05:35:50	2025-11-25 09:07:25	14	LVAG-04	0.0	14.25	8.0	0.51	13.93	93.98	20.0	0.1	29.9
2025-11-25 06:05:45	2025-11-25 09:07:30	14	LVAG-04	0.0	14.25	8.01	0.5	13.89	94.31	20.0	0.1	29.9
2025-11-25 06:35:41	2025-11-25 09:07:35	14	LVAG-04	0.0	14.25	8.0	0.5	14.01	94.4	20.0	0.1	29.9
2025-11-25 07:05:36	2025-11-25 09:07:39	14	LVAG-04	0.0	14.25	8.0	0.5	13.91	94.34	20.0	0.1	29.9
2025-11-25 07:35:33	2025-11-25 09:07:43	14	LVAG-04	0.0	14.5	7.98	0.5	14.11	93.93	20.0	0.1	29.9
2025-11-25 08:05:28	2025-11-25 09:07:48	14	LVAG-04	0.0	14.5	7.99	0.5	14.3	94.3	20.0	0.1	29.9
2025-11-25 08:35:26	2025-11-25 09:07:52	14	LVAG-04	0.0	15.25	7.99	0.5	14.62	91.17	20.0	0.1	30.0
2025-11-25 09:05:23	2025-11-25 09:07:56	14	LVAG-04	0.0	15.5	7.97	0.51	14.91	88.96	20.0	0.1	29.9

DIAGNOSTICO DEL RENDIMIENTO DEL SISTEMA

RESUMEN GENERAL:

- Total de días con datos: 17
- Total de mediciones: 694
- Promedio de mediciones por día: 40.8
- Rango de mediciones diarias: 5 - 91

Metrica	Intervalos Medicion (min)	Intervalos Insercion (min)
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Media	32.14	31.15
Mediana	29.93	0.07
Desv. Estándar	24.70	151.58
Mínimo	0.00	0.00
Máximo	269.33	1517.33
Q1 (25%)	29.90	0.07
Q3 (75%)	29.98	0.08
Total Intervalos	693	693