### TABLA: HOJA DE DATOS - TEMPERATURA (°C)

Periodo : 21 al 30 de junio

: EMCA-01 **Año** : 2024

: PROL. HIPOLITO UNANUE 1269 Responsable : GORE - TACNA Tipo de Data : Horario

Unidades : °C
Limite de Deteccion : ---°C

Coordenadas UTM (WGS 84)

Nombre/Número de la Estación

Ciudad

Ubicación

Este : 366893 Norte : 8008890

: Tacna

DIAHORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.
6/21/2024	13.3	12.6	12.4	13.0	13.0	12.3	12.5	12.8	13.6	13.9	14.2	15.2	16.8	17.7	18.2	19.7	19.8	17.1	14.8	14.3	13.5	13.4	13.5	13.4	14.6	19.8
6/22/2024	13.4	13.0	12.5	12.4	12.2	12.1	11.8	11.8	12.1	13.4	15.5	17.1	18.4	19.0	20.5	20.7	18.7	16.8	14.5	13.9	13.4	13.3	13.2	12.9	14.7	20.7
6/23/2024	13.2	13.2	12.9	12.8	12.5	12.4	12.2	11.9	12.1	12.6	14.4	15.7	17.5	18.8	19.6	19.5	17.8	16.1	14.6	13.9	13.5	13.4	13.3	13.4	14.5	19.6
6/24/2024	13.1	12.9	12.9	12.8	12.7	12.8	12.9	13.2	13.2	13.8	13.8	14.2	15.1	16.3	16.8	17.7	17.3	16.3	14.4	13.9	13.4	13.4	13.1	13.0	14.1	17.7
6/25/2024	13.0	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.8	13.1	13.7	14.7	15.8	16.3	16.9	17.5	17.0	15.5	14.3	13.6	13.1	12.9	12.7	12.8	14.0	17.5
6/26/2024	12.8	12.7	12.7	12.8	12.7	12.7	12.7	12.7	12.8	12.9	13.1	13.6	15.1	16.2	17.3	18.0	18.5	16.9	14.4	13.7	13.2	12.9	12.8	12.8	14.0	18.5
6/27/2024	13.0	12.9	12.5	12.4	12.5	12.3	12.0	11.9	11.9	12.2	12.7	14.2	16.0	17.4	19.1	20.4	19.6	17.0	14.8	13.6	13.2	12.6	12.3	12.2	14.1	20.4
6/28/2024	12.0	11.9	11.7	11.5	11.3	11.0	10.5	10.5	10.5	11.5	15.2	18.8	19.7	20.8	20.3	19.1	18.4	17.0	14.8	13.4	13.0	13.8	13.5	13.4	14.3	20.8
6/29/2024	11.9	11.8	11.9	10.9	10.4	10.3	10.1	10.1	10.8	11.1	16.0	17.2	17.7	18.5	18.7	18.2	18.5	20.6	16.2	13.1	15.1	12.3	12.6	14.0	14.1	20.6
6/30/2024	12.4	12.5	12.3	12.0	11.9	11.9	12.2	12.7	14.2	16.0	17.4	19.1	20.4	19.6	17.0	14.8	13.6	13.2	12.6	12.3	12.2	12.0	11.9	11.7	14.0	20.4
Prom.	12.9	12.7	12.5	12.4	12.3	12.1	11.9	12.0	12.2	12.7	14.3	15.6	16.9	17.9	18.6	19.0	18.4	17.0	14.8	13.7	13.5	13.1	13.0	13.1		
Max.	13.4	13.2	12.9	13.0	13.0	12.8	12.9	13.2	13.6	13.9	16.0	18.8	19.7	20.8	20.5	20.7	19.8	20.6	16.2	14.3	15.1	13.8	13.5	14.0		
Min.	11.9	11.8	11.7	10.9	10.4	10.3	10.1	10.1	10.5	11.1	12.7	13.6	15.1	16.2	16.8	17.5	17.0	15.5	14.3	13.1	13.0	12.3	12.3	12.2		

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA



Min. 12.3 11.8 11.9

> 12.7 12.7 11.9 10.5

### TABLA: HOJA DE DATOS - HUMEDAD RELATIVA (%)

GRRNYGA
GERENCIA REGIONAL
DE RECURSOS NATURALES
Y GESTIÓN AMBIENTAL

Ciudad : Tacna Nombre/Número de la Estación : EMCA-01

Ubicación : PROL. HIPOLITO UNANUE 126

 : EMCA-01
 Año
 : 2024

 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Tipo de Data
 : Horario

Unidades : %
Limite de Deteccion : ---%

: 21 al 30 de junio

Periodo

Coordenadas UTM (WGS 84)

Este : 366893 Norte : 8008890

DIAHORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	79.5	80.0	80.4	77.2	79.5	81.3	79.3	78.1	76.4	76.4	74.4	67.4	63.9	62.4	59.6	55.5	59.6	73.3	76.5	79.1	80.4	80.5	80.5	80.5	74.2	81.3	55.5
6/22/2024	80.8	81.3	81.6	82.8	83.4	83.9	82.7	81.0	78.9	71.7	63.8	56.9	57.8	54.9	49.7	58.1	61.8	72.1	77.1	79.1	80.4	80.7	81.0	79.2	73.4	83.9	49.7
6/23/2024	79.2	80.0	80.8	81.5	82.1	82.6	82.3	82.5	82.1	75.3	70.7	62.7	58.8	53.6	53.0	58.5	65.0	72.9	77.3	79.3	81.0	81.4	81.5	82.3	74.4	82.6	53.0
6/24/2024	82.8	83.0	83.1	83.4	83.0	82.1	79.7	76.9	75.2	75.5	75.4	71.2	68.6	66.0	62.9	62.7	64.8	71.8	75.2	78.3	80.2	81.7	82.7	83.0	76.2	83.4	62.7
6/25/2024	83.0	82.7	82.1	82.0	81.6	80.1	79.4	79.5	78.8	77.0	71.7	68.4	64.7	65.3	60.9	61.2	65.7	73.4	77.8	80.0	80.9	82.3	82.3	81.6	75.9	83.0	60.9
6/26/2024	81.2	80.8	80.5	80.7	81.0	80.3	80.2	79.7	78.9	78.7	77.8	73.5	66.2	62.2	59.0	55.7	58.7	71.1	76.4	78.6	79.7	80.4	81.0	80.9	75.1	81.2	55.7
6/27/2024	80.7	81.7	83.0	82.1	78.8	78.6	79.5	80.1	78.9	78.7	75.6	67.0	63.9	57.1	51.1	51.9	57.7	67.2	75.0	76.9	78.5	80.7	81.1	81.4	73.6	83.0	51.1
6/28/2024	82.2	82.0	82.7	83.0	83.1	83.7	84.1	84.6	84.2	75.4	57.5	53.0	46.8	48.6	53.4	57.3	60.1	70.4	76.5	79.7	80.1	77.6	74.9	78.6	72.5	84.6	46.8
6/29/2024	82.6	81.4	80.7	83.4	84.5	85.2	85.6	86.0	85.1	82.7	59.1	58.4	56.3	55.0	56.9	58.1	54.6	57.1	76.4	76.3	74.4	82.4	78.4	68.3	72.9	86.0	54.6
6/30/2024	82.1	78.8	78.6	79.5	80.1	78.9	78.7	75.6	67.0	63.9	57.1	51.1	51.9	57.7	67.2	75.0	76.9	78.5	80.7	81.1	81.4	82.2	82.0	82.7	73.7	82.7	51.1
Prom.	81.3	81.5	81.7	81.8	81.9	82.0	81.4	80.9	79.8	76.8	69.6	64.3	60.8	58.4	56.3	57.7	60.9	69.9	76.5	78.6	79.5	80.9	80.4	79.5		-	
Max.	83.0	83.0	83.1	83.4	84.5	85.2	85.6	86.0	85.1	82.7	77.8	73.5	68.6	66.0	62.9	62.7	65.7	73.4	77.8	80.0	81.0	82.4	82.7	83.0			
Min.	79.2	80.0	80.4	77.2	78.8	78.6	79.3	76.9	75.2	71.7	57.5	53.0	46.8	48.6	49.7	51.9	54.6	57.1	75.0	76.3	74.4	77.6	74.9	68.3			

Observaciones : Corte de Luz ( \* ), Mantenimiento ( \*\* ), Calibracion ( \*\*\* ) y Otros ( \*\*\*\* )

Reporta: SGGA - GRRNyGA

### TABLA: HOJA DE DATOS - VELOCIDAD DEL VIENTO (m/s)

GRRNYGA
GERNCIA REGIONAL
DE RECURSOS NATURALES
Y GESTION AMBIENTAL

Ciudad: TacnaPeriodo: 21 al 30 de junio

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : Sensor de Velocidad y Dirección del Aire - WINDSONIC I
 Tipo de Data
 : Horario

: Sensor de Velocidad y Dirección del Aire - WINDSONIC I Tipo de Data : Horario : octubre 2021 Unidades : m/s Limite de Deteccion : ---m/s

Este : 366893 Norte : 8008890

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	1.1	1.0	0.8	1.0	1.4	1.0	1.2	0.9	1.0	1.5	1.1	1.8	1.5	2.0	1.4	1.3	1.9	2.2	1.4	1.4	1.3	0.7	1.4	0.9	1.3	2.2	0.7
6/22/2024	0.9	0.9	0.4	1.3	0.7	0.8	0.9	1.2	1.2	1.0	1.4	1.0	2.1	1.6	1.7	2.1	2.2	2.0	1.4	1.1	1.1	0.8	1.1	1.1	1.2	2.2	0.4
6/23/2024	0.7	1.0	0.9	0.8	0.8	1.1	0.8	1.0	0.9	0.7	1.7	1.1	1.7	1.6	1.9	2.2	2.3	1.9	1.7	1.5	1.5	1.3	1.0	1.2	1.3	2.3	0.7
6/24/2024	1.2	1.1	1.0	1.0	0.8	1.0	0.7	1.1	1.1	1.1	1.3	1.1	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.6	1.3	0.9	1.3	1.1	1.3	1.8	0.7
6/25/2024	1.1	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	1.4	1.7	1.8	1.6	1.7	2.0	2.0	1.7	1.5	1.4	1.4	1.2	1.0	1.3	2.0	0.8
6/26/2024	0.9	1.1	0.6	0.9	0.9	0.9	0.8	0.7	1.0	0.9	0.9	1.1	1.5	1.6	1.5	1.4	1.9	2.0	1.8	1.3	1.5	1.2	1.3	1.0	1.2	2.0	0.6
6/27/2024	1.2	1.1	1.1	0.9	0.9	1.1	0.9	1.0	0.8	0.9	0.8	1.3	1.7	1.3	1.4	1.5	2.3	2.0	1.4	1.1	1.0	0.9	0.7	0.6	1.2	2.3	0.6
6/28/2024	0.8	0.9	0.8	0.6	0.7	0.7	0.7	0.7	1.0	1.0	1.4	1.2	1.6	2.2	2.2	2.2	1.9	1.8	1.3	1.0	0.9	1.1	0.7	0.8	1.2	2.2	0.6
6/29/2024	0.7	0.7	0.7	0.9	0.9	0.9	0.7	0.7	1.6	1.2	1.0	1.9	1.8	1.7	2.0	2.0	1.1	1.4	2.6	0.9	1.4	1.5	1.3	0.9	1.3	2.6	0.7
6/30/2024	0.9	0.9	1.1	0.9	1.0	0.8	0.9	8.0	1.3	1.7	1.3	1.4	1.5	2.3	2.0	1.4	1.1	1.0	0.9	0.7	0.6	8.0	0.9	8.0	1.1	2.3	0.6
Prom.	1.0	1.0	0.8	1.0	0.9	1.0	0.9	0.9	1.1	1.0	1.2	1.3	1.7	1.7	1.7	1.8	1.9	1.9	1.7	1.3	1.3	1.1	1.1	0.9		-	
Max.	1.2	1.2	1.1	1.3	1.4	1.1	1.2	1.2	1.6	1.5	1.7	1.9	2.1	2.2	2.2	2.2	2.3	2.2	2.6	1.6	1.5	1.5	1.4	1.2			
Min.	0.7	0.7	0.4	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.8	1.0	1.5	1.3	1.4	1.3	1.1	1.4	1.3	0.9	0.9	0.7	0.7	0.6			

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

Última Calibración del Equipo

# TABLA: HOJA DE DATOS - RADIACIÓN SOLAR GLOBAL (kW/m²)

GRRNYGA
GERENCIA REGIONAL
DE RECURSOS NATURALES
Y GESTIÓN AMBIENTAL

Ciudad: TacnaPeriodo: 21 al 30 de junio

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : Equipo Sensor de Radiación Solar Global - CPM3
 Tipo de Data
 : Horario

: octubre 2021 Unidades : kW/m²
Limite de Deteccion : ---kW/m²

Este : 366893 Norte : 8008890

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.6	8.0	0.7	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
6/22/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	8.0	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
6/23/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	8.0	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
6/24/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.4	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.0
6/25/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	0.6	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0
6/26/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.6	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.0
6/27/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.5	8.0	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
6/28/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.7	0.8	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
6/29/2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.7	0.7	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0
6/30/2024	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.8	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0
Prom.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.7	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
Max.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.7	0.8	0.7	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0			

Observaciones: Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

Última Calibración del Equipo

### TABLA: HOJA DE DATOS - PRESIÓN ATMOSFÉRICA (mbar)

Periodo : 21 al 30 de junio

: EMCA-01 Año : 2024 : PROL. HIPOLITO UNANUE 1269 Responsable : GORE - T

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : Sensor Presión Atmósferica - CS106
 Tipo de Data
 : Horario

 Última Calibración del Equipo
 : octubre 2021
 Unidades
 : mbar

 Coordenadas UTM (WGS 84)
 Limite de Deteccion
 : ---mbar

Este : 366893 Norte : 8008890

: Tacna

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/22/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/23/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/24/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/25/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/26/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/27/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/28/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/29/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
6/30/2024	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0
Prom.	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1			
Max.	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.1	500.0	500.0	500.0	500.0	500.1	500.1	500.1	500.1	500.1	500.1	500.1			

500.0 500.0 500.0

500.0

500.0

500.0

500.0

500.0

500.1

500.1

500.1

500.1

500.1

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

500.1

500.1

500.1

500.1

500.1

500.1

500.1

500.0

500.1

Reporta: SGGA - GRRNyGA

Min.

500.1

500.1

Ciudad

Nombre/Número de la Estación



### TABLA: HOJA DE DATOS - MATERIAL PARTICULADO RESPIRABLE (PM<sub>10</sub>)

Periodo : 21 al 30 de junio

: EMCA-01 Año : 2024

Ubicación Responsable : GORE - TACNA : PROL. HIPOLITO UNANUE 1269 : Horario

Equipo de Muestreo : THERMO SCIENTIFIC - TEOM 1405 Tipo de Data : ug/m<sup>3</sup> Última Calibración del Equipo : octubre 2021 Unidades Coordenadas UTM (WGS 84) Limite de Deteccion : --- ug/m<sup>3</sup>

> Este : 366893 Norte : 8008890

: Tacna

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	0.0	0.0	22.3	23.9	10.4	14.8	25.8	34.5	82.1	77.7	40.4	54.7	53.2	46.5	62.3	89.6	91.2	50.5	62.2	42.8	30.3	28.5	45.6	26.9	42.4	91.2	0.0
6/22/2024	29.1	55.0	47.9	20.3	22.5	19.4	23.2	40.8	18.2	23.6	40.6	41.8	50.3	27.0	51.4	39.1	37.0	54.2	54.4	47.0	44.8	34.4	36.8	40.0	37.5	55.0	18.2
6/23/2024	45.5	44.7	40.5	35.3	30.2	33.0	37.1	29.2	42.3	54.7	63.9	28.4	41.9	27.8	37.6	47.6	41.6	40.6	37.7	33.1	36.0	37.9	35.4	38.9	39.2	63.9	27.8
6/24/2024	35.6	34.9	24.3	19.2	23.8	22.8	18.8	36.2	71.2	64.2	56.8	40.7	65.3	64.8	43.1	39.1	63.1	58.1	38.7	32.7	35.5	27.1	23.5	7.0	39.4	71.2	7.0
6/25/2024	16.1	16.4	19.0	0.0	13.6	37.7	0.0	41.0	42.0	36.3	24.3	38.3	36.6	39.5	39.5	36.2	46.8	42.5	50.8	34.2	7.7	29.3	22.0	15.4	28.6	50.8	0.0
6/26/2024	9.5	18.4	6.0	22.7	48.6	29.0	27.5	29.3	36.2	52.4	47.2	60.3	57.2	31.4	28.4	22.8	32.5	40.0	31.2	43.6	35.4	28.0	27.8	22.4	32.8	60.3	6.0
6/27/2024	2.8	8.8	13.7	10.1	13.3	16.7	22.6	19.8	28.8	24.7	17.1	30.8	48.6	30.7	42.2	41.0	42.2	49.6	63.7	43.1	37.2	30.9	28.7	34.8	29.2	63.7	2.8
6/28/2024	33.2	31.9	30.5	28.4	46.9	40.8	41.9	35.7	10.3	67.5	95.6	77.0	71.0	61.2	71.4	49.8	64.4	58.7	73.7	56.4	24.4	77.5	71.9	78.8	54.1	95.6	10.3
6/29/2024	24.3	40.9	41.9	27.0	14.8	28.6	30.8	29.2	50.9	20.4	78.7	81.5	53.7	66.5	46.5	33.5	39.0	99.6	65.4	43.4	78.8	0.0	48.4	91.2	47.3	99.6	0.0
6/30/2024	48.6	29.0	27.5	29.3	36.2	52.4	47.2	60.3	57.2	31.4	28.4	22.8	32.5	40.0	31.2	43.6	35.4	28.0	27.8	22.4	2.8	8.8	13.7	10.1	31.9	60.3	2.8
Prom.	21.8	27.9	27.3	20.8	24.9	27.0	25.3	32.9	42.4	46.8	51.6	50.4	53.1	44.0	46.9	44.3	50.9	54.9	53.1	41.8	36.7	32.6	37.8	39.5			
Max.	45.5	55.0	47.9	35.3	48.6	40.8	41.9	41.0	82.1	77.7	95.6	81.5	71.0	66.5	71.4	89.6	91.2	99.6	73.7	56.4	78.8	77.5	71.9	91.2			
Min.	0.0	0.0	6.0	0.0	10.4	14.8	0.0	19.8	10.3	20.4	17.1	28.4	36.6	27.0	28.4	22.8	32.5	40.0	31.2	32.7	7.7	0.0	22.0	7.0			

Observaciones: Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

Ciudad

Nombre/Número de la Estación



### TABLA: HOJA DE DATOS - MATERIAL PARTICULADO RESPIRABLE (PM<sub>2,5</sub>)

**TACNA** 

GRRNYGA GERENCIA REGIONAL DE RECURSOS NATURALES Y GESTIÓN AMBIENTAL

Ciudad : Tacna Nombre/Número de la Estación

Norte

: EMCA-01

: PROL. HIPOLITO UNANUE 1269 : THERMO SCIENTIFIC - TEOM 1405

Equipo de Muestreo Última Calibración del Equipo Coordenadas UTM (WGS 84)

Ubicación

: octubre 2021

: 8008890

Este : 366893 Periodo : 21 al 30 de junio Año : 2024

Responsable : GORE - TACNA

: --- ug/m<sup>3</sup>

Tipo de Data : Horario : ug/m<sup>3</sup> Unidades

Limite de Deteccion

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	0.0	0.0	16.7	11.7	0.0	5.3	10.4	14.2	29.4	26.0	8.0	20.2	22.4	0.0	30.8	41.3	27.0	11.4	34.0	11.1	5.4	7.5	28.1	10.7	15.5	41.3	0.0
6/22/2024	12.8	37.1	27.8	2.8	11.9	12.5	14.5	17.9	8.8	10.5	14.0	16.9	12.4	4.1	20.5	3.4	0.0	18.9	20.9	18.4	17.5	15.3	19.3	23.6	15.1	37.1	0.0
6/23/2024	29.0	28.9	25.6	21.6	20.0	18.6	25.9	16.3	22.8	37.3	36.3	3.3	17.5	1.4	13.2	18.7	16.3	15.7	18.2	11.2	16.8	18.9	21.8	23.7	20.0	37.3	1.4
6/24/2024	21.2	18.2	8.7	8.3	11.0	11.4	9.9	23.6	44.8	34.2	27.2	18.4	40.2	38.9	17.5	15.6	30.9	25.5	15.9	12.9	18.0	11.7	11.7	0.0	19.8	44.8	0.0
6/25/2024	7.2	9.9	13.0	0.0	4.4	30.4	0.0	17.4	21.8	24.0	0.0	8.5	14.2	16.8	17.0	15.8	22.2	18.0	30.3	13.4	0.0	17.9	10.0	4.3	13.2	30.4	0.0
6/26/2024	0.3	9.6	0.0	13.5	39.8	18.1	19.9	18.8	17.4	29.2	26.5	35.9	32.3	11.5	9.3	6.4	8.9	11.1	3.7	19.5	18.4	11.4	11.0	9.8	15.9	39.8	0.0
6/27/2024	0.0	0.0	7.4	5.8	12.1	14.4	17.9	12.2	17.7	14.8	11.1	14.8	25.7	8.2	13.6	11.8	16.1	19.8	21.6	15.9	17.5	10.7	12.4	13.9	13.1	25.7	0.0
6/28/2024	19.7	12.8	15.3	18.3	31.9	27.1	23.9	17.3	0.0	40.6	48.0	25.5	31.3	15.9	29.1	11.1	28.1	21.5	31.9	24.9	0.0	27.5	21.9	18.9	22.6	48.0	0.0
6/29/2024	12.0	18.7	14.5	17.1	10.3	23.8	29.1	16.5	26.8	0.0	20.8	34.4	19.8	24.4	14.1	6.5	10.7	26.2	22.9	25.5	23.1	0.0	18.1	37.1	18.8	37.1	0.0
6/30/2024	5.8	12.1	14.4	17.9	12.2	17.7	14.8	11.1	14.8	25.7	8.2	13.6	11.8	16.1	19.8	21.6	15.9	17.5	10.7	12.4	13.9	19.7	12.8	15.3	14.8	25.7	5.8
Prom.	11.4	15.0	14.3	11.0	15.7	17.9	16.8	17.1	21.1	24.1	21.3	19.8	24.0	13.5	18.3	14.5	17.8	18.7	22.1	17.0	13.0	13.4	17.1	15.8			

40.2

12.4

38.9

0.0

30.8

9.3

41.3

3.4

30.9

0.0

26.2

11.1

34.0

3.7

25.5

11.1

23.1

0.0

27.5

0.0

28.1

10.0

37.1

0.0

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

21.6

0.0

39.8

0.0

30.4

5.3

29.1

0.0

23.6

12.2

44.8

0.0

40.6

0.0

48.0

0.0

35.9

3.3

27.8

0.0

Reporta: SGGA - GRRNyGA

Max.

Min.

29.0

0.0

37.1

0.0

## TABLA: HOJA DE DATOS - DIÓXIDO DE NITRÓGENO (NO2)

**GRRNyGA** 

Nombre/Número de la Estación

Norte

: Tacna : EMCA-01

: PROL. HIPOLITO UNANUE 1269

: octubre 2021

: 8008890

Equipo de Muestreo

Ciudad

Ubicación

: THERMO SCIENTIFIC - ANALIZADOR 42i

Última Calibración del Equipo Coordenadas UTM (WGS 84)

Este : 366893 Periodo : 21 al 30 de junio Año

: 2024

Responsable : GORE - TACNA Tipo de Data : Horario

: ug/m<sup>3</sup> Unidades Limite de Deteccion : --- ug/m<sup>3</sup>

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	27.2	16.9	18.5	24.8	28.9	27.6	36.0	52.4	65.3	60.7	48.8	40.2	35.8	46.3	31.8	50.6	62.8	48.4	53.0	50.3	44.3	40.8	41.3	38.7	41.3	65.3	16.9
6/22/2024	32.7	41.1	44.4	30.4	24.2	26.7	39.2	54.3	36.0	34.4	43.1	42.6	48.3	37.8	41.0	43.6	47.2	50.1	55.2	52.9	51.1	43.2	41.3	40.8	41.7	55.2	24.2
6/23/2024	37.6	35.8	32.3	28.2	26.6	35.9	31.2	31.6	39.6	36.0	42.9	34.0	35.0	35.2	34.9	39.3	34.7	42.3	45.6	46.6	38.6	39.8	32.6	36.6	36.4	46.6	26.6
6/24/2024	28.6	23.0	20.2	19.1	30.1	39.3	37.4	38.6	47.2	51.1	51.8	45.4	48.5	45.9	40.5	42.4	48.8	55.0	51.5	48.1	46.7	44.0	37.4	38.8	40.8	55.0	19.1
6/25/2024	25.7	20.7	21.6	21.1	29.0	42.3	45.0	48.7	48.7	43.2	52.9	51.2	41.8	39.3	39.3	43.7	50.3	50.4	51.0	48.9	41.0	38.9	40.1	35.1	40.4	52.9	20.7
6/26/2024	24.6	23.7	20.3	20.9	29.1	38.6	32.7	32.2	50.8	53.5	52.0	54.3	46.4	40.6	39.2	39.2	49.9	56.5	58.4	58.0	48.8	45.1	43.5	30.1	41.2	58.4	20.3
6/27/2024	27.2	24.8	24.0	20.8	23.1	28.5	35.1	38.5	41.5	40.2	32.8	37.4	40.0	41.8	47.3	47.9	54.0	57.6	68.5	59.4	55.5	59.4	58.0	59.9	42.6	68.5	20.8
6/28/2024	52.3	55.6	45.7	33.9	46.7	49.6	54.8	55.1	49.1	56.2	73.4	73.8	53.9	59.3	58.4	55.6	57.5	60.7	73.0	64.6	56.8	74.8	74.0	74.1	58.7	74.8	33.9
6/29/2024	44.6	51.3	54.8	46.7	44.8	53.6	59.1	62.4	69.9	60.7	91.7	69.5	58.1	54.8	52.4	47.7	49.7	79.6	52.3	48.8	67.1	37.2	57.0	63.9	57.4	91.7	37.2
6/30/2024	20.8	23.1	28.5	35.1	38.5	41.5	40.2	32.8	37.4	40.0	41.8	47.3	47.9	54.0	57.6	68.5	59.4	55.5	59.4	58.0	59.9	52.3	55.6	45.7	45.9	68.5	20.8
Prom.	33.4	32.6	31.3	27.3	31.4	38.0	41.2	46.0	49.8	48.4	54.4	49.8	45.3	44.5	42.7	45.6	50.5	55.6	56.5	53.1	50.0	47.0	47.2	46.5			
Max.	52.3	55.6	54.8	46.7	46.7	53.6	59.1	62.4	69.9	60.7	91.7	73.8	58.1	59.3	58.4	55.6	62.8	79.6	73.0	64.6	67.1	74.8	74.0	74.1			
Min.	24.6	16.9	18.5	19.1	23.1	26.7	31.2	31.6	36.0	34.4	32.8	34.0	35.0	35.2	31.8	39.2	34.7	42.3	45.6	46.6	38.6	37.2	32.6	30.1			

Observaciones: Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

### TABLA: HOJA DE DATOS - DIOXIDO DE AZUFRE (SO<sub>2</sub>)

GRRNYGA
GERENCIA REGIONAL
DE RECURSOS NATURALES
Y GESTION AMBIENTAL

Ciudad : Tacna Periodo : 21 al 30 de junio

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : THERMO SCIENTIFIC - ANALIZADOR 450i
 Tipo de Data
 : Horario

: THERMO SCIENTIFIC - ANALIZADOR 450i Tipo de Data : Horario : octubre 2021 Unidades : ug/m³ Limite de Deteccion : --- ug/m³

Este : 366893 Norte : 8008890

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	0.7	1.2	1.0	0.2	1.5	0.6	1.0	1.7	3.3	3.9	4.1	1.8	1.0	2.6	2.1	3.0	3.9	2.4	3.4	2.1	1.3	0.5	0.9	1.6	1.9	4.1	0.2
6/22/2024	0.6	1.2	1.8	1.4	0.8	0.8	1.1	2.5	1.1	0.9	1.9	2.1	2.4	1.8	3.5	2.0	2.2	2.8	2.8	2.6	3.2	1.6	1.6	0.9	1.8	3.5	0.6
6/23/2024	0.2	0.3	0.9	1.2	0.6	1.5	0.7	1.0	1.5	1.1	1.8	1.7	1.0	1.8	2.3	1.2	1.0	1.4	1.4	0.7	2.1	1.1	1.1	0.9	1.2	2.3	0.2
6/24/2024	0.7	0.7	0.5	1.2	0.6	0.7	0.7	0.2	2.1	1.4	1.6	2.1	1.5	3.7	2.0	3.4	3.0	1.4	2.3	1.4	0.6	0.5	1.4	0.9	1.4	3.7	0.2
6/25/2024	0.8	0.0	0.5	1.1	0.0	0.5	1.3	1.5	1.6	1.6	1.1	1.4	1.5	1.5	0.7	1.1	1.4	1.1	2.0	0.2	0.0	0.6	1.0	0.0	0.9	2.0	0.0
6/26/2024	0.0	1.1	0.5	0.0	0.3	0.6	1.0	0.1	0.9	1.3	1.8	1.5	0.9	1.4	8.0	1.6	3.0	0.7	2.0	1.1	1.4	0.7	0.4	0.5	1.0	3.0	0.0
6/27/2024	0.0	0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.2	0.4	0.5	0.7	1.1	1.0	2.5	2.3	3.3	2.3	2.2	0.2	1.1	2.2	1.1	2.2	1.0	3.3	0.0
6/28/2024	0.9	0.9	1.7	0.7	1.6	0.6	1.2	2.6	1.5	1.4	3.0	2.0	3.6	3.1	5.0	4.6	4.4	2.7	2.3	1.9	1.6	3.7	2.7	4.1	2.4	5.0	0.6
6/29/2024	2.4	1.7	1.8	2.6	1.1	2.2	2.9	2.9	3.4	2.9	4.3	3.9	4.2	4.0	3.6	3.7	2.1	3.3	2.8	1.2	2.9	1.2	1.8	3.2	2.8	4.3	1.1
6/30/2024	0.3	0.6	1.0	0.1	0.9	1.3	1.8	1.5	0.9	1.4	0.8	1.6	3.0	0.7	2.0	1.1	1.4	0.7	0.4	0.5	0.0	0.2	0.3	0.0	0.9	3.0	0.0
Prom.	0.7	0.8	1.0	0.9	0.7	0.8	1.1	1.4	1.7	1.6	2.2	1.9	1.9	2.3	2.5	2.5	2.7	2.0	2.3	1.3	1.6	1.3	1.3	1.6			
Max.	2.4	1.7	1.8	2.6	1.6	2.2	2.9	2.9	3.4	3.9	4.3	3.9	4.2	4.0	5.0	4.6	4.4	3.3	3.4	2.6	3.2	3.7	2.7	4.1			
Min.	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.2	0.4	0.5	0.7	0.9	1.0	0.7	1.1	1.0	0.7	1.4	0.2	0.0	0.5	0.4	0.0			

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

Última Calibración del Equipo

## TABLA: HOJA DE DATOS - SULFURO DE HIDRÓGENO (H2S)

GRRNYGA
GERENCIA REGIONAL
DE RECURSOS NATURALES
Y GESTION AMBIENTAL

Ciudad: TacnaPeriodo: 21 al 30 de junio

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : THERMO SCIENTIFIC - ANALIZADOR 450i
 Tipo de Data
 : Horario

 Equipo de Muestreo
 : THERMO SCIENTIFIC - ANALIZADOR 450i
 Tipo de Data
 : Horario

 Última Calibración del Equipo
 : octubre 2021
 Unidades
 : ug/m³

 Coordenadas UTM (WGS 84)
 Limite de Deteccion
 : --- ug/m³

Este : 366893 Norte : 8008890

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	5.3	3.6	1.1	4.0	6.6	6.7	4.3	4.0	4.9	2.4	12.8	8.1	1.2	2.0	5.5	2.6	3.4	7.3	0.0	0.0	0.5	0.5	1.2	0.6	3.7	12.8	0.0
6/22/2024	1.0	0.2	0.7	2.0	11.6	10.1	3.8	2.3	2.1	2.3	1.3	1.0	1.0	0.6	0.1	1.8	3.8	4.8	4.2	4.2	8.3	6.4	5.1	2.9	3.4	11.6	0.1
6/23/2024	2.8	2.6	2.7	2.9	3.1	2.0	2.8	3.0	2.7	3.4	2.8	1.8	0.9	2.1	0.9	2.7	4.0	4.4	1.0	2.6	6.0	8.5	2.8	4.6	3.1	8.5	0.9
6/24/2024	0.9	2.5	14.2	17.0	8.2	4.8	1.2	1.7	0.8	2.3	3.6	5.7	9.0	6.3	5.3	3.4	2.4	8.1	8.8	4.6	0.9	2.9	0.0	0.9	4.8	17.0	0.0
6/25/2024	2.4	5.6	14.7	7.7	6.0	3.3	3.0	2.1	2.7	2.9	3.0	3.2	3.8	5.3	1.2	0.9	3.0	4.9	2.4	0.6	0.6	7.8	11.1	9.4	4.5	14.7	0.6
6/26/2024	10.0	9.1	9.2	4.3	1.7	2.3	2.4	2.2	3.1	4.3	2.7	3.1	3.8	1.1	2.1	1.6	0.1	4.9	6.8	1.4	0.4	9.3	8.6	3.5	4.1	10.0	0.1
6/27/2024	12.1	16.7	10.7	3.7	1.1	0.2	0.7	8.0	0.4	2.9	4.6	3.1	4.3	4.0	1.7	2.6	3.1	8.6	8.2	3.5	3.8	0.8	2.7	1.7	4.2	16.7	0.2
6/28/2024	1.9	2.0	2.4	3.1	2.4	2.2	2.9	2.3	0.0	2.2	2.2	2.1	1.6	4.4	5.2	6.7	7.7	7.9	7.8	1.0	2.1	1.4	2.3	4.1	3.2	7.9	0.0
6/29/2024	5.8	5.1	5.1	5.5	7.3	7.5	6.7	7.0	6.1	4.7	3.7	2.1	6.0	4.3	5.3	3.0	0.7	2.3	1.5	0.0	3.4	13.6	4.9	3.7	4.8	13.6	0.0
6/30/2024	1.7	2.3	2.4	2.2	3.1	4.3	2.7	3.1	3.8	1.1	2.1	1.6	0.1	4.9	6.8	1.4	0.4	9.3	8.6	3.5	12.1	16.7	10.7	3.7	4.5	16.7	0.1
Prom.	4.7	5.3	6.8	5.6	5.3	4.4	3.1	2.8	2.5	3.0	4.1	3.4	3.5	3.3	3.0	2.8	3.1	5.9	4.5	2.0	2.9	5.7	4.3	3.5			
Max.	12.1	16.7	14.7	17.0	11.6	10.1	6.7	7.0	6.1	4.7	12.8	8.1	9.0	6.3	5.5	6.7	7.7	8.6	8.8	4.6	8.3	13.6	11.1	9.4			
Min.	0.9	0.2	0.7	2.0	1.1	0.2	0.7	0.8	0.0	2.2	1.3	1.0	0.9	0.6	0.1	0.9	0.1	2.3	0.0	0.0	0.4	0.5	0.0	0.6			

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

#### TABLA: HOJA DE DATOS - MONOXIDO DE CARBONO (CO PROMEDIO DE UNA HORA)

Ciudad : Tacna Periodo : 21 al 30 de junio Nombre/Número de la Estación : EMCA-01 Año : 2024

Ubicación : PROL. HIPOLITO UNANUE 1269 Responsable

: GORE - TACNA Equipo de Muestreo : THERMO SCIENTIFIC - ANALIZADOR 48i Tipo de Data : Horario

Unidades : ug/m<sup>3</sup> : octubre 2021 Limite de Deteccion : --- ug/m<sup>3</sup>

Este : 366893 Norte : 8008890

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	254.5	186.9	153.2	231.1	267.5	234.7	318.7	465.7	1088.7	688.9	472.5	383.7	323.7	382.2	229.9	396.2	459.8	348.8	455.3	449.3	325.6	289.7	339.5	288.3	376.4	1088.7	153.2
6/22/2024	237.8	333.7	532.0	255.5	170.3	201.9	405.1	730.2	341.8	290.9	421.3	365.5	375.5	256.3	275.7	255.7	294.8	338.1	442.5	457.8	468.0	321.2	284.6	317.0	348.9	730.2	170.3
6/23/2024	299.2	290.9	243.2	197.9	164.2	276.7	246.7	279.6	375.0	339.4	455.9	281.2	244.2	204.9	202.1	179.4	183.4	275.0	295.3	317.5	271.6	336.2	269.3	305.7	272.3	455.9	164.2
6/24/2024	218.2	136.0	118.7	106.6	186.2	253.7	276.5	365.0	563.6	614.0	483.6	401.6	436.9	397.4	262.5	249.3	349.9	394.1	347.0	336.2	307.4	288.9	246.5	230.8	315.4	614.0	106.6
6/25/2024	148.3	104.6	94.7	103.2	155.0	307.4	370.6	382.5	420.2	313.1	598.1	425.7	324.2	271.5	242.1	248.2	341.7	317.7	337.7	302.3	286.1	277.4	238.7	208.3	284.1	598.1	94.7
6/26/2024	142.3	116.5	97.9	102.3	182.0	253.0	222.4	191.2	489.6	561.1	394.1	438.0	371.8	301.3	258.1	226.5	356.4	353.5	380.3	425.0	385.7	326.9	302.4	186.2	294.4	561.1	97.9
6/27/2024	151.6	139.3	148.4	128.6	140.7	170.2	271.8	346.4	359.1	354.2	250.4	319.4	315.1	359.7	310.7	290.9	326.4	349.5	562.4	460.8	373.4	490.5	417.1	528.2	315.2	562.4	128.6
6/28/2024	406.8	444.5	362.8	243.9	391.5	428.0	674.1	573.1	460.9	660.1	813.8	654.3	357.5	396.9	354.7	352.8	427.2	439.6	695.6	610.8	493.4	897.5	1128.8	1236.7	562.7	1236.7	243.9
6/29/2024	102.3	182.0	253.0	222.4	191.2	489.6	561.1	394.1	438.0	371.8	301.3	258.1	226.5	356.4	353.5	380.3	425.0	385.7	326.9	302.4	186.2	151.6	139.3	148.4	297.8	561.1	102.3
6/30/2024	128.6	140.7	170.2	271.8	346.4	359.1	354.2	250.4	319.4	315.1	359.7	310.7	290.9	326.4	349.5	562.4	460.8	373.4	490.5	417.1	528.2	406.8	444.5	362.8	347.5	562.4	128.6
Prom.	217.9	214.9	222.6	176.8	205.4	290.6	371.9	414.2	504.1	465.9	465.7	391.9	330.6	325.2	276.6	286.6	351.6	355.8	427.0	406.9	344.1	375.5	374.0	383.3			
Max.	406.8	444.5	532.0	255.5	391.5	489.6	674.1	730.2	1088.7	688.9	813.8	654.3	436.9	397.4	354.7	396.2	459.8	439.6	695.6	610.8	493.4	897.5	1128.8	1236.7			
Min.	102.3	104.6	94.7	102.3	140.7	170.2	222.4	191.2	341.8	290.9	250.4	258.1	226.5	204.9	202.1	179.4	183.4	275.0	295.3	302.3	186.2	151.6	139.3	148.4			

Observaciones: Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

Reporta: SGGA - GRRNyGA

Última Calibración del Equipo



### TABLA: HOJA DE DATOS - MONOXIDO DE CARBONO (CO MEDIA MOVIL DE 8 HORAS)

Periodo : 21 al 30 de junio

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : THERMO SCIENTIFIC - ANALIZADOR 48i
 Tipo de Data
 : Horario

 Última Calibración del Equipo
 : octubre 2021
 Unidades
 : ug/m³

 Coordenadas UTM (WGS 84)
 Limite de Deteccion
 : --- ug/m³

Este : 366893 Norte : 8008890

: Tacna

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	****	****	****	****	****	221.3	232.0	264.1	368.3	431.1	471.0	490.0	497.1	515.5	504.4	495.7	417.1	374.6	372.5	380.7	380.9	369.3	383.0	369.5	396.7	515.5	221.3
6/22/2024	341.8	339.9	349.5	325.3	305.8	294.9	303.1	358.3	371.3	366.0	352.1	365.9	391.5	398.3	382.1	322.8	317.0	322.9	325.5	337.1	348.6	356.7	357.8	365.5	345.8	398.3	294.9
6/23/2024	366.1	360.2	335.2	302.8	264.8	259.2	254.5	249.8	259.3	265.3	291.9	302.3	312.3	303.3	297.8	285.2	261.3	253.3	233.2	237.7	241.2	257.6	266.0	281.8	280.9	366.1	233.2
6/24/2024	286.1	268.7	246.7	220.3	209.6	199.3	200.2	207.6	250.8	310.5	356.2	393.0	424.4	442.3	440.6	426.1	399.4	371.9	354.8	346.6	330.5	316.9	314.9	312.6	317.9	442.3	199.3
6/25/2024	287.4	251.2	219.6	190.5	171.5	173.8	189.3	208.3	242.3	268.3	331.3	371.6	392.7	388.2	372.2	355.4	345.6	346.2	313.6	298.2	293.4	294.2	293.7	288.7	287.0	392.7	171.5
6/26/2024	263.8	238.7	208.7	183.7	170.7	167.6	165.6	163.4	206.9	262.4	299.5	341.4	365.2	371.2	375.6	380.1	363.4	337.5	335.7	334.1	335.9	339.0	344.6	339.5	287.3	380.1	163.4
6/27/2024	314.0	287.2	258.2	221.1	190.5	170.9	167.1	187.1	213.1	239.9	252.7	276.5	298.3	322.0	326.9	319.9	315.8	315.3	354.3	371.9	379.2	395.6	408.9	438.5	292.7	438.5	167.1
6/28/2024	448.6	460.5	435.5	408.4	410.7	402.8	435.0	440.6	447.3	474.3	530.6	581.9	577.7	573.8	533.9	506.4	502.2	474.6	459.8	454.4	471.4	533.9	630.7	741.2	497.3	741.2	402.8
6/29/2024	730.7	740.0	737.7	726.4	721.1	697.0	659.6	635.0	735.1	769.4	824.7	842.4	844.1	805.6	750.1	662.0	559.2	541.9	451.9	413.4	442.6	430.2	454.9	570.6	656.1	844.1	413.4
6/30/2024	221.1	190.5	170.9	167.1	187.1	213.1	239.9	252.7	276.5	298.3	322.0	326.9	319.9	315.8	315.3	354.3	371.9	379.2	395.6	408.9	438.5	448.6	460.5	435.5	312.9	460.5	167.1
Prom.	379.8	368.3	348.9	322.3	305.6	287.4	289.6	301.6	343.8	376.4	412.2	440.6	455.9	457.8	442.6	417.1	386.8	370.9	355.7	352.7	358.2	365.9	383.8	412.0			
Max	730.7	740 0	737 7	726.4	721 1	697.0	659 6	635.0	735 1	769 4	824 7	842 4	844 1	805.6	750 1	662.0	559.2	541 9	459.8	454 4	471 4	533.9	630.7	741 2	1		

298.3

303.3

297.8

285.2

261.3

253.3

233.2

237.7

276.5

Observaciones : Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

183.7

170.7

167.6 165.6

163.4

206.9

239.9

252.7

208.7

Reporta: SGGA - GRRNyGA

Min.

263.8

238.7

Ciudad



257.6

266.0

241.2

## TABLA: HOJA DE DATOS - OZONO TROPOSFÉRICO (O<sub>3</sub>)

Periodo : 21 al 30 de junio

Limite de Deteccion

: --- ug/m<sup>3</sup>

Nombre/Número de la Estación : EMCA-01 Año : 2024

 Ubicación
 : PROL. HIPOLITO UNANUE 1269
 Responsable
 : GORE - TACNA

 Equipo de Muestreo
 : THERMO SCIENTIFIC - ANALIZADOR 48i
 Tipo de Data
 : Horario

 Última Calibración del Equipo
 : octubre 2021
 Unidades
 : ug/m³

Coordenadas UTM (WGS 84)

Este : 366893

Norte : 8008890

: Tacna

HORA	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Prom.	Max.	Min.
6/21/2024	****	****	****	****	****	19.9	19.6	16.8	15.0	12.3	10.5	11.1	13.3	13.7	16.4	20.2	22.6	24.0	23.6	22.3	19.9	18.3	15.2	12.5	17.2	24.0	10.5
6/22/2024	11.8	10.1	8.9	9.1	10.3	10.9	10.4	9.4	9.2	10.7	12.5	13.5	13.4	14.7	17.5	21.1	22.8	23.0	22.3	20.9	19.2	17.1	14.8	11.8	14.4	23.0	8.9
6/23/2024	9.8	8.8	9.2	10.0	11.3	11.3	11.1	11.0	10.7	10.9	11.0	12.1	13.4	15.6	18.7	21.9	24.8	25.9	26.2	25.0	23.6	21.9	20.0	17.7	15.9	26.2	8.8
6/24/2024	16.5	17.2	18.6	20.3	20.5	20.1	19.2	18.5	16.5	14.0	11.5	9.6	8.9	9.8	11.5	13.4	15.8	17.2	17.8	17.9	17.9	17.2	16.3	15.2	15.9	20.5	8.9
6/25/2024	15.3	16.8	18.6	20.4	21.3	20.8	19.6	18.5	16.5	14.1	11.7	9.7	9.5	11.2	13.2	15.4	17.0	18.0	18.7	19.0	18.7	18.1	17.1	16.3	16.5	21.3	9.5
6/26/2024	16.9	18.2	20.2	22.1	22.7	22.4	22.9	23.3	21.1	18.9	16.5	14.3	14.1	15.5	16.4	17.2	19.0	20.3	20.6	20.6	20.0	18.8	17.4	17.2	19.0	23.3	14.1
6/27/2024	17.8	18.8	20.7	23.0	24.5	25.3	25.1	23.8	21.9	20.5	20.0	19.1	18.7	19.6	21.0	22.5	24.2	24.6	22.8	21.3	19.6	16.8	14.2	10.9	20.7	25.3	10.9
6/28/2024	8.4	6.0	5.7	6.3	5.4	4.6	3.9	3.8	4.5	5.3	5.9	6.0	9.3	13.4	17.9	21.9	23.8	25.3	24.8	23.6	21.0	16.9	12.4	8.4	11.9	25.3	3.8
6/29/2024	6.7	4.8	3.9	3.4	2.8	2.8	2.8	2.8	1.4	1.7	2.7	4.6	7.0	10.7	14.3	17.8	21.1	22.0	23.0	22.3	19.4	17.7	14.2	10.7	10.0	23.0	1.4
6/30/2024	23.0	24.5	25.3	25.1	23.8	21.9	20.5	20.0	19.1	18.7	19.6	21.0	22.5	24.2	24.6	22.8	21.3	19.6	16.8	14.2	10.9	8.4	6.0	5.7	19.1	25.3	5.7
Prom.	12.9	12.6	13.2	14.3	14.9	15.3	15.0	14.2	13.0	12.1	11.4	11.1	12.0	13.8	16.3	19.1	21.2	22.2	22.2	21.4	19.9	18.1	15.7	13.4			

18.7

7.0

21.0

11.5

19.6

9.8

22.5

13.4

24.8

15.8

25.9

17.2

26.2

17.8

25.0

17.9

23.6

17.9

21.9

16.8

20.0

12.4

17.7

8.4

Observaciones: Corte de Luz (\*), Mantenimiento (\*\*), Calibracion (\*\*\*) y Otros (\*\*\*\*)

23.0

3.4

24.5

2.8

25.3

2.8

25.1

2.8

23.8

2.8

21.9

1.4

20.5

1.7

20.0

2.7

19.1

4.6

20.7

3.9

Reporta: SGGA - GRRNyGA

Мах.

Min.

17.8

6.7

18.8

4.8

Ciudad

