

1.1 FORMATO DE TOMA DE DATOS EN CAMPO - REGISTRO PRESIÓN EN PUNTOS DE CONTROL

$$P_a = \frac{\sum_{m=1}^M P_{ai}}{M}$$

Pa: Presión promedio registrada en un punto de control "a" en un determinado mes "i".
Pai: Valores de presión registrados en un punto de control "a" a través del equipo Data Logger.
M: Número de registros en el punto de control "a" realizado cada 15 minutos u otro intervalo de tiempo que determine la Sunas.

Normativa: RESOLUCIÓN DE CONSEJO DIRECTIVO Nº 063-2021-SUNASS-CD

Localidad: **Barranca** Fecha: **Marzo-2025**

| SECTOR OPERATIVO | PUNTO DE CONTROL (N) | METODOL OGIA | ZONAS | DIRECCIONES | LECTURA INICIO | | LECTURA FIN | | UBICACIÓN | H red al tubo | COORDENADAS | | | PRESION PROMEDIO EN P.C. (Pa) | | |
|--|---|--------------|--------------------|---|----------------|------------|-------------|---------------|---------------|---------------|--------------|--------------|-------|-------------------------------|--------------|--------------|
| | | | | | FECHA | HORA | FECHA | HORA | | | Este | Norte | Cota | psi | mca | |
| 01. MOLINOS R-2100 | PC-BCA-01 | Datalogger | ALTO | AV. LAURIAMA Nº 337 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.50 m | 198,377.40 | 8,810,696.29 | 64.83 | 14.00 | 9.86 | |
| | PC-BCA-02 | Datalogger | ALTO | JR. CASTILLA Nº 735 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.50 m | 197,589.59 | 8,810,677.54 | 57.91 | 12.00 | 8.45 | |
| | PC-BCA-03 | Datalogger | ALTO | JR. OLAYA Nº 247 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.30 m | 198,129.00 | 8,810,309.00 | 60.17 | 20.00 | 14.08 | |
| | PC-BCA-04 | Datalogger | ALTO | JR. LIMA Nº 435 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.50 m | 198,481.66 | 8,809,809.98 | 61.55 | 10.00 | 7.04 | |
| | PC-BCA-05 | Datalogger | ALTO | JR. GALVEZ Nº 651 (HOSTAL EMILIO) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.30 m | 198,380.00 | 8,809,739.00 | 58.63 | 12.00 | 8.45 | |
| | PC-BCA-06 | Datalogger | ALTO | PJE. CALLAO Nº 125 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,428.95 | 8,810,793.08 | 59.14 | 12.00 | 8.45 | |
| | PC-BCA-07 | Datalogger | ALTO | JR. AREQUIPA Nº 550 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,649.46 | 8,810,421.67 | 54.63 | 12.00 | 8.45 | |
| | PC-BCA-08 | Datalogger | ALTO | C.P. CRUZ DEL RÍO S/N | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,133.10 | 8,812,477.24 | 68.00 | 30.00 | 21.12 | |
| | PC-BCA-09 | Datalogger | ALTO | AV. PRIMAVERA Nº175 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,075.00 | 8,809,752.00 | 54.55 | 16.00 | 11.26 | |
| | PC-BCA-10 | Datalogger | ALTO | AV. PRIMAVERA Nº350 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,183.00 | 8,809,601.00 | 53.93 | 16.00 | 11.26 | |
| | PC-BCA-11 | Datalogger | ALTO | JR.VILELA Nº169 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,962.02 | 8,810,375.75 | 55.97 | 16.00 | 11.26 | |
| | PC-BCA-12 | Datalogger | ALTO | JR. INDEPENDENCIA Nº 1095 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,250.37 | 8,809,283.02 | 53.19 | 16.00 | 11.26 | |
| | PC-BCA-13 | Datalogger | ALTO | JR. FRANCISCO VIDAL Nº224 (MERCADO SR. DE MAYO) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,852.34 | 8,810,610.56 | 57.94 | 19.00 | 13.38 | |
| | PC-BCA-14 | Datalogger | ALTO | AV. AGUSTIN DAVILA S/N (URB. PEREGRINO) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,606.00 | 8,809,105.00 | 51.95 | 17.00 | 11.97 | |
| | PC-BCA-15 | Datalogger | ALTO | AV.MIRAMAR Nº151 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.40 m | 198,530.55 | 8,809,518.83 | 59.24 | 12.00 | 8.45 | |
| | PC-BCA-16 | Datalogger | ALTO | CA. SAENZ PEÑA Nº425 (CUADRA 4) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,026.00 | 8,810,758.00 | 60.63 | 16.30 | 11.48 | |
| | PC-BCA-17 | Datalogger | ALTO | PJE FUNDO PATILLO S/N (COSTADO COMPLEJO LAURIAMA) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,758.43 | 8,810,976.34 | 73.95 | 8.00 | 5.63 | |
| | Presión promedio (sin pérdida de carga) zona alta | | | | | | | | | | | | | | | 10.70 |
| | PC-BCA-18 | Datalogger | MEDIO | CA. BERENICE DÁVILA Nº 531 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,409.00 | 8,810,215.00 | 50.26 | 15.00 | 10.56 | |
| | PC-BCA-19 | Datalogger | MEDIO | AV. 9 DE DICIEMBRE S/N ULTIMA CUADRA | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,158.00 | 8,810,310.00 | 51.01 | 15.00 | 10.56 | |
| | PC-BCA-20 | Datalogger | MEDIO | CA. SANTIAGO ANTÚNEZ DE MAYOLO Nº 153 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.30 m | 197,409.42 | 8,810,005.92 | 47.29 | 20.00 | 14.08 | |
| | PC-BCA-21 | Datalogger | MEDIO | JR. ZAVALA - ULTIMA CUADRA | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,245.13 | 8,809,761.54 | 44.18 | 23.00 | 16.19 | |
| | PC-BCA-22 | Datalogger | MEDIO | JR. SAN MARTIN Nº 481 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,597.29 | 8,809,751.69 | 45.97 | 20.72 | 14.59 | |
| | PC-BCA-23 | Datalogger | MEDIO | AV. ARICA Nº 347 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,818.05 | 8,809,672.20 | 47.09 | 20.08 | 14.14 | |
| | PC-BCA-24 | Datalogger | MEDIO | AV. MANCO CAPAC Nº395 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.25 m | 197,939.45 | 8,809,401.41 | 48.00 | 21.00 | 14.78 | |
| | PC-BCA-25 | Datalogger | MEDIO | AV. COSTANERA Nº119 | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,710.40 | 8,809,415.97 | 43.27 | 26.00 | 18.30 | |
| | PC-BCA-26 | Datalogger | MEDIO | URB. BUENA VISTA S/N | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,085.00 | 8,809,007.00 | 48.07 | 22.00 | 15.49 | |
| | PC-BCA-27 | Datalogger | MEDIO | AV. HIPÓLITO UNANUE S/N | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,298.80 | 8,809,537.85 | 41.17 | 28.00 | 19.71 | |
| | PC-BCA-28 | Datalogger | MEDIO | JR. ZAVALA Nº254 (SEGUNDA CUADRA) | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,827.29 | 8,810,052.06 | 51.00 | 16.00 | 11.26 | |
| | Presión promedio (sin pérdida de carga) zona media | | | | | | | | | | | | | | | 14.52 |
| PC-BCA-29 | Datalogger | BAJO | AV. CHORRILLOS S/N | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,991.00 | 8,808,338.00 | 9.00 | 36.00 | 25.34 | | |
| PC-BCA-30 | Datalogger | BAJO | CASETA MIRAFLORES | 22/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,933.00 | 8,808,866.00 | 10.10 | 45.00 | 31.68 | | |
| Presión promedio (sin pérdida de carga) zona baja | | | | | | | | | | | | | | | 28.51 | |

1.1 FORMATO DE TOMA DE DATOS EN CAMPO - REGISTRO PRESIÓN EN PUNTOS DE CONTROL

$$Pa = \frac{\sum_{m=1}^M Pai}{M}$$

Pa: Presión promedio registrada en un punto de control "a" en un determinado mes "i".
Pai: Valores de presión registrados en un punto de control "a" a través del equipo Data Logger.
M: Número de registros en el punto de control "a" realizado cada 15 minutos u otro intervalo de tiempo que determine la Sunas.

Normativa: RESOLUCIÓN DE CONSEJO DIRECTIVO N° 063-2021-SUNASS-CD

Localidad: Barranca

Fecha: Marzo-2025

| SECTOR OPERATIVO | PUNTO DE CONTROL (N) | METODOLOGIA | ZONAS | DIRECCIONES | LECTURA INICIO | | LECTURA FIN | | UBICACIÓN | H red al tubo | COORDENADAS | | | PRESION PROMEDIO EN P.C. (Pa) | |
|--|---|-------------|-------------------------------------|--|----------------|------------|-------------|---------------|---------------|---------------|--------------|--------------|-------|-------------------------------|--------------|
| | | | | | FECHA | HORA | FECHA | HORA | | | Este | Norte | Cota | psi | mca |
| 02. LA ATARJEA | PC-BCA-31 | Datalogger | ALTO | JR. PAMPA DE LARA N° 438 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,498.10 | 8,811,019.88 | 67.40 | 19.00 | 13.38 |
| | PC-BCA-32 | Datalogger | ALTO | ASOC. VIVIENDA SAN JUAN A-02 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,797.36 | 8,811,481.86 | 69.13 | 15.00 | 10.56 |
| | PC-BCA-33 | Datalogger | ALTO | URB. LAS PALMERAS III MZ G | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,530.62 | 8,811,405.63 | 67.57 | 17.00 | 11.97 |
| | PC-BCA-34 | Datalogger | ALTO | AV. J. DE LA RIVA AGÜERO | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,385.91 | 8,811,167.19 | 67.52 | 17.48 | 12.31 |
| | Presión promedio (sin pérdida de carga) zona alta | | | | | | | | | | | | | | 12.05 |
| | PC-BCA-35 | Datalogger | MEDIO | JR. SAN MARTIN N°353 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,611.78 | 8,811,229.79 | 58.95 | 12.00 | 8.45 |
| | PC-BCA-36 | Datalogger | MEDIO | CA. MALVAROSA MZB-02 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,855.56 | 8,811,545.03 | 64.02 | 14.00 | 9.86 |
| | PC-BCA-37 | Datalogger | MEDIO | CA. SAN FRANCISCO (IGLESIA 7T° DIA) | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,569.24 | 8,811,309.94 | 59.75 | 13.50 | 9.50 |
| | PC-BCA-38 | Datalogger | MEDIO | CA. ISABEL LA CATOLICA N° 340 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,342.67 | 8,810,738.37 | 63.00 | 16.00 | 11.26 |
| | PC-BCA-39 | Datalogger | MEDIO | PUESTO SALUD -LIMONCILLON° 1081 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,348.03 | 8,810,982.67 | 60.94 | 16.00 | 11.26 |
| | PC-BCA-40 | Datalogger | MEDIO | JR. SANTA CATALINA N°195 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 197,033.21 | 8,811,290.38 | 62.31 | 14.00 | 9.86 |
| | Presión promedio (sin pérdida de carga) zona media | | | | | | | | | | | | | | 10.03 |
| | PC-BCA-41 | Datalogger | BAJO | PUESTO DE SALUD SANTA CATALINA | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,299.90 | 8,810,896.78 | 52.00 | 17.00 | 11.97 |
| | PC-BCA-42 | Datalogger | BAJO | CALLE SAN LUIS N° 140 STA. CATALINA | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 196,551.52 | 8,810,731.82 | 52.57 | 16.00 | 11.26 |
| Presión promedio (sin pérdida de carga) zona baja | | | | | | | | | | | | | | 11.62 | |
| 03. BUENAVISTA - VINTO | PC-BCA-43 | Datalogger | ALTO | LADERAS DE BUENA VISTA J-04 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,176.06 | 8,810,654.83 | 80.45 | 19.00 | 13.38 |
| | PC-BCA-44 | Datalogger | ALTO | AV. BUENA VISTA S/N | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,467.76 | 8,810,626.85 | 97.16 | 22.00 | 15.49 |
| | PC-BCA-45 | Datalogger | ALTO | AA.HH. MANUEL BUSTAMANTE MZA.D-08 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,271.30 | 8,810,451.52 | 82.98 | 29.00 | 20.42 |
| | PC-BCA-46 | Datalogger | ALTO | AA.HH. SAN VALENTIN MZA. E-03 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,226.24 | 8,810,269.94 | 88.41 | 32.00 | 22.53 |
| | Presión promedio (sin pérdida de carga) zona alta | | | | | | | | | | | | | | 17.95 |
| | PC-BCA-47 | Datalogger | MEDIO | ASOC.BARBARA DE ACHILE MZA A-14 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,068.19 | 8,811,230.47 | 78.63 | 22.00 | 15.49 |
| | PC-BCA-48 | Datalogger | MEDIO | CA. LOS SAUCES D-06 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,868.76 | 8,810,762.28 | 74.79 | 18.00 | 12.67 |
| | PC-BCA-49 | Datalogger | MEDIO | JR. LOS EUCALIPTICOS H-06 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,965.39 | 8,810,845.28 | 76.79 | 18.00 | 12.67 |
| | PC-BCA-50 | Datalogger | MEDIO | URB. SAN MATEO A-02 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,717.95 | 8,810,554.71 | 71.00 | 13.00 | 9.15 |
| | PC-BCA-51 | Datalogger | MEDIO | AV. REPUBLICA DE CANADA N°305 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,958.09 | 8,809,980.81 | 67.19 | 16.00 | 11.26 |
| | PC-BCA-52 | Datalogger | MEDIO | AA.HH.MANUEL SEOANE A-15 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,760.25 | 8,810,112.26 | 68.99 | 15.00 | 10.56 |
| | PC-BCA-53 | Datalogger | MEDIO | ASOC. SEÑOR DE LOS MILAGROS F-01 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,775.83 | 8,810,305.27 | 69.45 | 16.00 | 11.26 |
| | Presión promedio (sin pérdida de carga) zona media | | | | | | | | | | | | | | 11.87 |
| | PC-BCA-54 | Datalogger | BAJO | ASOC. DON GERARDO I ETAPA M-10 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,030.89 | 8,809,700.58 | 62.89 | 15.00 | 10.56 |
| | PC-BCA-55 | Datalogger | BAJO | ASOC.DON GERARDO II ETAPA D-15 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,446.70 | 8,809,114.43 | 60.16 | 18.00 | 12.67 |
| | PC-BCA-56 | Datalogger | BAJO | CA. SANTA CRUZ N° 355 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,319.64 | 8,810,492.34 | 64.08 | 13.00 | 9.15 |
| | PC-BCA-57 | Datalogger | BAJO | CA. JOSE FAUSTINOS SANCHEZ CARRION N°127 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,270.93 | 8,810,382.94 | 62.54 | 11.00 | 7.74 |
| | PC-BCA-58 | Datalogger | BAJO | URB. EL OLIVAR F-16 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,528.26 | 8,810,112.40 | 64.79 | 16.00 | 11.26 |
| PC-BCA-59 | Datalogger | BAJO | CA. FERROCARRIL N° 126 | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 198,550.64 | 8,809,868.08 | 62.67 | 17.00 | 11.97 | |
| PC-BCA-60 | Datalogger | BAJO | PSJE. EL CARMEN MZA I-05 - CHAQUILA | 15/03/2025 | 00:00 | 31/03/2025 | 23:00 | Conex. Domic. | 1.20 m | 199,225.42 | 8,809,092.24 | 55.99 | 20.00 | 14.08 | |
| Presión promedio (sin pérdida de carga) zona baja | | | | | | | | | | | | | | 11.06 | |