



## MEMORIA DESCRIPTIVA

### 1. NOMBRE DEL MONUMENTO ARQUEOLÓGICO PREHISPÁNICO:

Huari Sector B

### 2. CLASIFICACIÓN: Zona Arqueológica Monumental

### 3. UBICACIÓN:

#### 3.1. LOCALIZACIÓN:

Se encuentra localizado entre los pueblos de Quinua y Pacaycasa, a 12 km al noreste de la ciudad de Ayacucho. Está cortado por la carretera Ayacucho-Quinua (PE-28B), la cual discurre por el medio del complejo.

#### 3.2. UBICACIÓN POLÍTICA:

- **Distritos:** Pacaycasa/Quinua
- **Provincia:** Huamanga
- **Departamento:** Ayacucho

#### 3.3. UBICACIÓN GEOGRÁFICA:

- **Datum :** World Geodetic System Datum 1984; WGS84
- **Proyección:** Universal Transversal de Mercator (UTM)
- **Sistema de Coordenadas:** Planas
- **Zona UTM :** 18 Sur
- **Cuadrícula:** 18L
- **Carta Nacional:** 27ñ – Ayacucho, Escala: 1/100,000

#### 3.4. COORDENADA UTM DE REFERENCIA:

- **Este :** 586 945.4901
- **Norte:** 8 555 911.3203

#### 3.5. ALTITUD (en m.s.n.m.):

Se encuentra a 2800 m.s.n.m.

#### 3.6. GEOREFERENCIACIÓN:

- **Tipo de Medición:** CINEMÁTICO
- **Marca y Modelo del Equipo Geodésico empleado para el levantamiento:** TRIMBLE – R8 GNSS
- **Punto Base I.G.N.:** AYACUCHO
- **Ficha Técnica del Punto de Control Geodésico del I.G.N. de fecha:** 01/03/1998



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#### 4. ÁREA:

3 014 604.26 m<sup>2</sup> (301.4604 ha)

#### 5. PERIMETRO:

13 477.25 m

#### 6. ACCESO:

Se accede desde la ciudad de Ayacucho en dirección norte, tomando la carretera Ayacucho – Huanta (PE 3S) hasta el inicio de la carretera Ayacucho – Quinua (PE-28B), siguiendo por esta vía hasta llegar a los kilómetros 3 al 13 donde se encuentra el ámbito de la Zona Arqueológica Monumental Huari Sector B.

#### 7. COLINDANCIAS

Las colindancias se describen en referencia al plano N° PP-004-MC\_DGPA-DSFL-2022 WGS84, considerando tramos en sentido horario definidos por 361 vértices, que van desde el numero 1 al 361.

**Norte:** Colinda con la carretera Ayacucho – Quinua (PE-28B), las quebradas Lluncuna, Huamanhura y una sin nombre, mediante una línea quebrada de ochenta y cinco (85) tramos, que suman una longitud total de 4518.40m y comprende desde el vértice N°1 al vértice N° 86.

**Este:** Colinda con una trocha carrozable y un camino de herradura, mediante una línea quebrada de veinticinco (25) tramos, que suman una longitud total de 442.07m y comprende desde el vértice N° 86 al vértice N° 111.

**Sur:** Colinda con la carretera Ayacucho – Quinua (PE-28B) y terrenos de cultivo, mediante una línea quebrada de ciento ochenta y siete (187) tramos, que suman una longitud total de 6480.41m y comprende desde el vértice N° 111 al vértice N° 298.

**Oeste:** Colinda con carretera Ayacucho – Quinua (PE-28B), mediante una línea quebrada de sesenta y cuatro (64) tramos, que suman una longitud total de 2036.37 m y comprende desde el vértice N° 298 al vértice N° 1.

#### 8. CUADRO DE DATOS TÉCNICOS (DE ACUERDO AL PLANO N° PP-004-MC\_DGPA-DSFL-2022 WGS84, A ESCALA 1/4000)

VÉRTICE	LADO	DISTANCIA	ÁNGULO INTERNO	ESTE (X)	NORTE (Y)
1	1-2	24.96	145°47'50"	586378.9571	8556390.9327
2	2-3	92.63	155°42'34"	586387.7913	8556414.2813
3	3-4	258.97	170°26'45"	586453.3069	8556479.7618
4	4-5	187.85	180°29'11"	586664.3180	8556629.8890
5	5-6	80.44	160°16'48"	586816.4540	8556740.0860
6	6-7	5.75	187°50'45"	586893.7008	8556762.5238
7	7-8	13.59	188°39'23"	586898.9561	8556764.8683
8	8-9	7.40	187°52'26"	586910.3941	8556772.2111
9	9-10	7.77	200°30'31"	586916.0176	8556777.0264
10	10-11	5.81	184°33'13"	586919.7767	8556783.8308
11	11-12	9.68	196°36'13"	586922.1744	8556789.1251
12	12-13	9.52	197°2'40"	586923.4811	8556798.7123



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13	13-14	26.14	160°7'18"	586921.9455	8556808.1070
14	14-15	38.57	95°0'39"	586926.7510	8556833.7970
15	15-16	63.02	136°34'49"	586965.1350	8556830.0440
16	16-17	161.94	241°23'39"	587006.4760	8556782.4800
17	17-18	200.03	155°15'29"	587164.6460	8556817.2280
18	18-19	175.09	194°47'6"	587360.0470	8556774.4390
19	19-20	115.46	204°55'18"	587534.9820	8556781.8730
20	20-21	15.91	240°58'21"	587637.5350	8556834.9295
21	21-22	12.67	209°38'20"	587637.9994	8556850.8334
22	22-23	21.32	200°3'0"	587632.0600	8556862.0195
23	23-24	17.60	158°4'48"	587616.2143	8556876.2787
24	24-25	9.24	143°32'33"	587608.4737	8556892.0814
25	25-26	17.91	115°22'42"	587610.1359	8556901.1730
26	26-27	8.77	127°57'29"	587627.4362	8556905.8143
27	27-28	10.87	166°4'37"	587634.4400	8556900.5319
28	28-29	10.84	221°16'34"	587641.2885	8556892.0905
29	29-30	16.59	205°14'54"	587651.9754	8556890.2693
30	30-31	12.32	185°17'56"	587667.9531	8556894.7234
31	31-32	14.82	257°15'21"	587679.4683	8556899.1151
32	32-33	26.69	126°38'39"	587677.3718	8556913.7875
33	33-34	19.94	212°45'35"	587696.3203	8556932.5885
34	34-35	27.17	145°14'52"	587700.6238	8556952.0580
35	35-36	10.42	195°6'2"	587720.5676	8556970.5155
36	36-37	18.07	167°0'48"	587726.1054	8556979.3380
37	37-38	26.92	187°40'21"	587738.9074	8556992.0942
38	38-39	16.32	186°14'9"	587755.2716	8557013.4743
39	39-40	26.93	167°45'7"	587763.7220	8557027.4308
40	40-41	22.01	166°41'54"	587782.2427	8557046.9868
41	41-42	30.46	162°49'32"	587800.6442	8557059.0542
42	42-43	16.95	191°2'2"	587829.9112	8557067.4915
43	43-44	56.84	206°51'11"	587844.9967	8557075.2163
44	44-45	13.22	159°14'44"	587878.4339	8557121.1860
45	45-46	12.90	159°28'42"	587889.4906	8557128.4252
46	46-47	8.31	175°33'43"	587902.0782	8557131.2603
47	47-48	14.62	148°32'28"	587910.3002	8557132.4532
48	48-49	33.13	147°55'8"	587923.7373	8557126.6929
49	49-50	44.27	174°50'12"	587942.6064	8557099.4574
50	50-51	8.64	183°3'46"	587964.4404	8557060.9468
51	51-52	14.78	207°26'42"	587969.0989	8557053.6666
52	52-53	18.44	188°43'8"	587981.9101	8557046.2877
53	53-54	9.39	217°8'18"	587999.0971	8557039.6137
54	54-55	10.96	225°32'54"	588008.1273	8557042.1888
55	55-56	19.92	155°43'42"	588013.3643	8557051.8201
56	56-57	57.14	149°1'49"	588029.2297	8557063.8597
57	57-58	124.21	184°23'23"	588086.0320	8557070.0540
58	58-59	180.86	205°37'20"	588208.1180	8557092.9310
59	59-60	229.67	126°46'56"	588353.9990	8557199.8380



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60	60-61	276.50	202°51'29"	588573.6580	8557132.7550
61	61-62	187.54	150°22'15"	588848.7020	8557161.0590
62	62-63	121.17	152°34'37"	589020.3540	8557085.5170
63	63-64	59.69	209°4'36"	589096.3190	8556991.1140
64	64-65	37.24	131°42'36"	589151.6260	8556968.6560
65	65-66	49.82	160°17'20"	589164.1250	8556933.5740
66	66-67	59.16	194°35'14"	589164.0370	8556883.7500
67	67-68	22.78	243°32'58"	589178.8360	8556826.4690
68	68-69	36.74	213°19'51"	589201.1190	8556821.7470
69	69-70	37.83	157°0'9"	589235.3330	8556835.1320
70	70-71	54.37	148°9'26"	589273.1500	8556834.0550
71	71-72	24.45	247°40'28"	589318.5060	8556804.0640
72	72-73	23.54	112°49'50"	589338.7280	8556817.8070
73	73-74	21.98	130°57'0"	589358.4770	8556804.9970
74	74-75	112.75	238°17'46"	589361.5290	8556783.2280
75	75-76	59.38	147°27'48"	589464.7530	8556737.8660
76	76-77	36.55	238°20'48"	589497.7360	8556688.4850
77	77-78	113.52	130°20'1"	589534.2660	8556689.8160
78	78-79	30.64	166°22'55"	589610.8440	8556606.0120
79	79-80	66.76	212°18'41"	589625.6040	8556579.1660
80	80-81	61.99	166°55'30"	589684.0540	8556546.9180
81	81-82	51.67	147°13'45"	589730.1480	8556505.4710
82	82-83	55.60	217°8'18"	589743.7550	8556455.6220
83	83-84	76.30	205°42'52"	589787.8080	8556421.7040
84	84-85	48.11	187°45'53"	589862.4760	8556405.9970
85	85-86	39.66	146°12'15"	589910.4600	8556402.5450
86	86-87	3.81	68°25'11"	589941.7482	8556378.1785
87	87-88	24.31	149°29'27"	589938.4685	8556376.2459
88	88-89	41.07	171°39'37"	589914.1571	8556376.2459
89	89-90	6.30	169°55'1"	589873.5177	8556382.2034
90	90-91	11.85	184°34'48"	589867.5399	8556384.1946
91	91-92	12.89	179°37'44"	589856.0374	8556387.0290
92	92-93	13.06	181°18'55"	589843.5443	8556390.1935
93	93-94	6.65	166°19'4"	589830.8163	8556393.1083
94	94-95	13.18	188°9'28"	589824.8654	8556396.0858
95	95-96	4.64	198°25'23"	589812.3611	8556400.2510
96	96-97	5.27	194°2'11"	589807.7200	8556400.2510
97	97-98	5.57	222°19'40"	589802.6069	8556398.9727
98	98-99	4.79	232°2'6"	589799.5206	8556394.3337
99	99-100	5.14	206°37'16"	589801.0330	8556389.7871
100	100-101	5.00	198°24'50"	589804.6690	8556386.1537
101	101-102	12.95	183°57'33"	589809.1377	8556383.9193
102	102-103	8.55	181°59'18"	589821.0964	8556378.9398
103	103-104	19.16	172°42'44"	589829.0956	8556375.9302
104	104-105	21.98	183°41'2"	589846.0318	8556366.9607
105	105-106	10.69	182°25'45"	589866.0734	8556357.9444
106	106-107	11.57	170°50'21"	589875.9955	8556353.9773



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107	107-108	21.81	182°8'20"	589885.9172	8556348.0267
108	108-109	105.48	44°31'22"	589905.0272	8556337.5146
109	109-110	50.08	177°26'36"	589803.4870	8556308.9570
110	110-111	16.27	194°17'57"	589754.7218	8556297.5625
111	111-112	61.16	121°23'30"	589740.2807	8556290.0607
112	112-113	44.46	36°35'17"	589687.9451	8556321.7032
113	113-114	35.12	181°13'9"	589732.2070	8556325.9111
114	114-115	53.35	199°59'44"	589767.0864	8556329.9775
115	115-116	11.10	270°45'27"	589814.7706	8556353.9031
116	116-117	31.03	211°3'0"	589809.6613	8556363.7587
117	117-118	18.40	144°48'57"	589783.2155	8556379.9948
118	118-119	68.03	193°1'14"	589775.9482	8556396.8947
119	119-120	27.17	172°42'56"	589735.6850	8556451.7278
120	120-121	125.77	201°2'38"	589722.5089	8556475.4932
121	121-122	43.25	187°38'52"	589626.0913	8556556.2575
122	122-123	31.74	159°31'59"	589589.5391	8556579.3680
123	123-124	22.51	206°15'6"	589570.3348	8556604.6417
124	124-125	11.08	209°0'22"	589550.1974	8556614.6901
125	125-126	22.57	131°16'52"	589539.1320	8556614.2095
126	126-127	32.08	168°22'44"	589523.5198	8556630.5078
127	127-128	26.04	188°25'24"	589506.4485	8556657.6723
128	128-129	29.15	185°27'33"	589489.5115	8556677.4538
129	129-130	47.20	183°6'52"	589468.5332	8556697.6914
130	130-131	28.06	196°14'12"	589432.8357	8556728.5655
131	131-132	14.03	109°22'19"	589407.3230	8556740.2566
132	132-133	13.17	254°24'50"	589408.6060	8556754.2259
133	133-134	52.55	190°53'6"	589396.3001	8556758.9087
134	134-135	63.47	176°53'4"	589344.5399	8556767.9876
135	135-136	34.71	219°4'14"	589282.7107	8556782.3349
136	136-137	33.12	143°9'21"	589251.5182	8556767.1170
137	137-138	15.63	213°6'8"	589218.9916	8556773.3440
138	138-139	27.13	138°29'40"	589204.5301	8556767.4234
139	139-140	22.45	189°8'9"	589178.9185	8556776.3628
140	140-141	41.52	150°47'18"	589156.8184	8556780.3015
141	141-142	29.39	168°32'45"	589124.6926	8556806.6120
142	142-143	48.55	167°31'32"	589106.1086	8556829.3746
143	143-144	109.84	215°46'44"	589084.2510	8556872.7309
144	144-145	100.89	208°7'14"	588986.7947	8556923.3914
145	145-146	55.54	251°0'51"	588885.9083	8556922.2399
146	146-147	149.16	260°12'2"	588868.4396	8556869.5179
147	147-148	31.27	247°41'14"	588999.9800	8556799.1892
148	148-149	28.26	164°14'20"	589024.0919	8556819.1050
149	149-150	46.14	90°0'0"	589049.9458	8556830.5050
150	150-151	10.04	170°34'33"	589068.5610	8556788.2879
151	151-152	10.93	183°47'2"	589071.0533	8556778.5603
152	152-153	16.15	114°22'31"	589074.4576	8556768.1780
153	153-154	29.15	114°49'40"	589062.5585	8556757.2632



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154	154-155	17.90	266°10'5"	589035.6596	8556768.4836
155	155-156	41.45	178°27'28"	589027.6786	8556752.4583
156	156-157	37.49	178°3'55"	589008.2076	8556715.8643
157	157-158	26.33	181°19'26"	588989.4922	8556683.3846
158	158-159	32.85	169°29'57"	588976.8777	8556660.2742
159	159-160	52.14	177°40'10"	588956.1500	8556634.7944
160	160-161	43.29	177°43'52"	588921.6289	8556595.7189
161	161-162	23.61	184°52'31"	588891.7021	8556564.4325
162	162-163	21.72	189°3'30"	588876.8898	8556546.0443
163	163-164	49.87	190°48'2"	588866.0978	8556527.1960
164	164-165	44.04	86°43'30"	588849.8669	8556480.0410
165	165-166	73.44	252°21'1"	588809.1073	8556496.7318
166	166-167	61.22	182°27'47"	588761.9815	8556440.4066
167	167-168	122.08	177°48'28"	588724.7496	8556391.8066
168	168-169	15.89	171°14'28"	588646.8529	8556297.8046
169	169-170	49.83	188°44'38"	588634.9721	8556287.2588
170	170-171	57.58	258°32'38"	588603.1690	8556248.9010
171	171-172	37.74	258°38'50"	588639.3129	8556204.0770
172	172-173	115.73	182°42'6"	588672.7837	8556221.5217
173	173-174	74.06	120°13'53"	588772.7748	8556279.7875
174	174-175	162.91	74°47'49"	588837.2092	8556243.2744
175	175-176	82.69	180°50'31"	588722.5373	8556127.5649
176	176-177	24.69	165°59'0"	588665.2008	8556067.9833
177	177-178	18.88	166°54'17"	588644.2856	8556054.8716
178	178-179	23.89	165°41'22"	588626.4316	8556048.7281
179	179-180	66.44	171°31'59"	588602.6227	8556046.7800
180	180-181	72.35	177°57'45"	588536.3296	8556051.1707
181	181-182	11.27	186°32'11"	588464.3504	8556058.5161
182	182-183	6.41	186°56'47"	588453.0861	8556058.3766
183	183-184	6.34	182°11'31"	588446.7322	8556057.5225
184	184-185	6.24	183°53'14"	588440.4894	8556056.4388
185	185-186	6.28	184°10'33"	588434.4241	8556054.9563
186	186-187	6.71	183°48'58"	588428.4449	8556053.0238
187	187-188	6.79	183°15'14"	588422.2135	8556050.5406
188	188-189	6.19	183°57'25"	588416.0554	8556047.6715
189	189-190	6.19	184°30'59"	588410.6381	8556044.6763
190	190-191	6.44	184°0'55"	588405.4718	8556041.2627
191	191-192	6.35	183°46'19"	588400.3568	8556037.3421
192	192-193	6.36	183°49'1"	588395.5830	8556033.1568
193	193-194	6.20	183°47'48"	588391.0918	8556028.6564
194	194-195	6.24	183°40'59"	588387.0100	8556023.9847
195	195-196	6.59	183°37'12"	588383.2153	8556019.0325
196	196-197	6.22	184°1'47"	588379.5456	8556013.5594
197	197-198	6.25	184°20'22"	588376.4516	8556008.1596
198	198-199	6.25	184°8'46"	588373.7632	8556002.5163
199	199-200	6.25	184°16'53"	588371.4900	8555996.6938
200	200-201	6.54	184°2'30"	588369.6579	8555990.7181



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201	201-202	5.71	184°6'8"	588368.1865	8555984.3465
202	202-203	7.54	183°11'17"	588367.3023	8555978.7009
203	203-204	12.57	182°37'35"	588366.5512	8555971.1934
204	204-205	23.61	180°33'30"	588365.8745	8555958.6446
205	205-206	78.64	182°8'14"	588364.8332	8555935.0623
206	206-207	26.37	179°45'28"	588364.2964	8555856.4198
207	207-208	398.01	179°54'20"	588364.0049	8555830.0533
208	208-209	25.15	170°31'29"	588358.9490	8555432.0753
209	209-210	24.98	160°45'51"	588354.4931	8555407.3183
210	210-211	22.46	157°56'18"	588342.2150	8555385.5627
211	211-212	21.92	160°0'49"	588324.6386	8555371.5821
212	212-213	19.47	163°19'12"	588303.8576	8555364.6236
213	213-214	14.76	166°15'3"	588284.4019	8555364.0009
214	214-215	36.13	166°37'19"	588269.9644	8555367.0476
215	215-216	63.86	179°51'49"	588237.2952	8555382.4862
216	216-217	66.04	181°37'2"	588179.6271	8555409.9068
217	217-218	106.57	179°46'22"	588119.2119	8555436.5698
218	218-219	16.69	188°31'3"	588021.8882	8555479.9838
219	219-220	10.99	180°16'27"	588005.8075	8555484.4504
220	220-221	9.90	192°44'53"	587995.2045	8555487.3409
221	221-222	10.73	181°22'52"	587985.3132	8555487.7729
222	222-223	8.42	191°31'3"	587974.5831	8555487.9826
223	223-224	4.55	181°28'15"	587966.3044	8555486.4635
224	224-225	4.62	183°39'54"	587961.8550	8555485.5284
225	225-226	4.97	183°15'8"	587957.4061	8555484.2918
226	226-227	5.38	182°46'58"	587952.7014	8555482.6915
227	227-228	4.89	183°37'1"	587947.7023	8555480.7154
228	228-229	5.22	184°17'42"	587943.2732	8555478.6326
229	229-230	5.43	183°57'2"	587938.7305	8555476.0645
230	230-231	9.70	183°24'59"	587934.2013	8555473.0745
231	231-232	10.24	187°29'12"	587926.4377	8555467.2565
232	232-233	4.39	183°32'21"	587919.1120	8555460.0991
233	233-234	11.93	183°5'25"	587916.1704	8555456.8466
234	234-235	23.16	187°33'56"	587908.6574	8555447.5808
235	235-236	14.55	178°29'56"	587896.5671	8555427.8285
236	236-237	25.15	184°53'34"	587888.6467	8555415.6190
237	237-238	16.64	179°24'41"	587876.8110	8555393.4331
238	238-239	19.24	178°45'53"	587868.8301	8555378.8361
239	239-240	18.85	179°54'45"	587859.2382	8555362.1572
240	240-241	33.55	179°53'18"	587849.8140	8555345.8276
241	241-242	21.21	180°19'7"	587832.9871	8555316.8020
242	242-243	31.47	178°42'39"	587822.4540	8555298.3977
243	243-244	61.47	181°40'25"	587806.2142	8555271.4474
244	244-245	54.54	179°18'48"	587776.0414	8555217.8968
245	245-246	30.80	174°31'35"	587748.6997	8555170.7024
246	246-247	23.90	163°34'6"	587730.7874	8555145.6451
247	247-248	21.76	163°31'3"	587711.9540	8555130.9260



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248	248-249	92.38	164°2'57"	587691.7152	8555122.9428
249	249-250	135.83	179°23'13"	587599.7755	8555113.9671
250	250-251	17.60	173°39'23"	587464.4519	8555102.2165
251	251-252	21.51	170°8'32"	587446.8557	8555102.6407
252	252-253	20.61	169°45'3"	587425.7563	8555106.8333
253	253-254	13.41	170°14'43"	587406.5782	8555114.3831
254	254-255	32.31	168°42'41"	587395.1114	8555121.3393
255	255-256	144.64	171°39'21"	587371.3005	8555143.1818
256	256-257	13.60	171°51'37"	587280.0316	8555255.3889
257	257-258	6.65	174°31'48"	587273.0297	8555267.0489
258	258-259	12.78	174°21'8"	587270.1637	8555273.0535
259	259-260	12.43	172°10'26"	587265.8198	8555285.0748
260	260-261	12.04	172°50'8"	587263.2273	8555297.2286
261	261-262	58.80	174°26'48"	587262.2040	8555309.2220
262	262-263	114.34	180°35'24"	587262.8982	8555368.0191
263	263-264	13.78	187°40'45"	587263.0706	8555482.3571
264	264-265	11.07	181°25'26"	587261.2502	8555496.0137
265	265-266	14.01	188°15'4"	587259.5148	8555506.9503
266	266-267	6.31	183°29'29"	587255.3554	8555520.3313
267	267-268	6.46	183°31'26"	587253.1173	8555526.2359
268	268-269	7.29	183°4'21"	587250.4608	8555532.1241
269	269-270	7.18	182°28'58"	587247.1102	8555538.6004
270	270-271	6.91	182°49'53"	587243.5377	8555544.8287
271	271-272	5.62	183°11'47"	587239.8065	8555550.6474
272	272-273	21.51	182°8'49"	587236.5163	8555555.1983
273	273-274	13.58	182°13'20"	587223.2683	8555572.1470
274	274-275	27.44	180°0'9"	587214.4992	8555582.5109
275	275-276	27.10	179°27'37"	587196.7741	8555603.4578
276	276-277	26.98	180°39'29"	587179.4646	8555624.3087
277	277-278	27.59	178°59'12"	587161.9930	8555644.8697
278	278-279	95.32	180°19'14"	587144.5023	8555666.2067
279	279-280	69.44	180°23'21"	587083.6593	8555739.5885
280	280-281	54.38	180°4'8"	587038.9783	8555792.7387
281	281-282	13.34	187°35'28"	587003.9346	8555834.3234
282	282-283	6.74	181°45'8"	586994.0642	8555843.3009
283	283-284	5.82	183°13'54"	586988.9403	8555847.6826
284	284-285	11.55	183°14'24"	586984.3104	8555851.2101
285	285-286	59.74	186°5'42"	586974.7416	8555857.6798
286	286-287	25.54	184°25'4"	586921.9813	8555885.6957
287	287-288	30.14	180°29'56"	586898.5668	8555895.9012
288	288-289	40.57	184°43'36"	586870.8317	8555907.7036
289	289-290	18.30	177°35'10"	586832.3190	8555920.4591
290	290-291	29.06	171°1'44"	586815.2071	8555926.9384
291	291-292	25.83	176°27'58"	586789.9635	8555941.3429
292	292-293	39.70	181°9'7"	586768.3587	8555955.5043
293	293-294	80.64	185°3'33"	586734.7250	8555976.5960
294	294-295	58.73	180°0'17"	586662.8940	8556013.2474





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295	295-296	24.02	165°56'29"	586610.5796	8556039.9352
296	296-297	22.30	165°15'17"	586592.4782	8556055.7187
297	297-298	24.78	162°5'24"	586579.9540	8556074.1696
298	298-299	27.16	168°46'15"	586573.0162	8556097.9598
299	299-300	48.86	176°0'6"	586570.6350	8556125.0201
300	300-301	66.69	179°18'7"	586569.7563	8556173.8755
301	301-302	33.22	168°6'8"	586569.3694	8556240.5623
302	302-303	23.39	164°57'30"	586576.0288	8556273.1043
303	303-304	30.84	166°37'40"	586586.5024	8556294.0131
304	304-305	34.53	165°13'8"	586606.3175	8556317.6450
305	305-306	279.24	172°11'4"	586634.5190	8556337.5680
306	306-307	33.22	185°30'18"	586882.3780	8556466.1760
307	307-308	9.74	183°22'49"	586910.2652	8556484.2368
308	308-309	14.06	182°10'12"	586918.1169	8556490.0063
309	309-310	28.83	181°24'15"	586929.1218	8556498.7533
310	310-311	126.89	183°10'2"	586951.2479	8556517.2424
311	311-312	30.44	166°9'11"	587043.9756	8556603.8640
312	312-313	30.49	163°32'59"	587070.5461	8556618.7157
313	313-314	70.98	169°45'55"	587100.2860	8556625.4468
314	314-315	39.62	180°21'26"	587171.1965	8556628.5655
315	315-316	22.82	180°3'45"	587210.7683	8556630.5531
316	316-317	7.44	190°29'0"	587233.5571	8556631.7226
317	317-318	5.57	183°50'29"	587240.7949	8556633.4497
318	318-319	3.76	188°5'0"	587246.1156	8556635.1031
319	319-320	7.99	181°21'20"	587249.5141	8556636.7129
320	320-321	9.41	206°28'22"	587256.6486	8556640.3014
321	321-322	10.78	183°34'53"	587262.2902	8556647.8356
322	322-323	10.49	202°52'5"	587268.1990	8556656.8499
323	323-324	8.62	185°13'18"	587270.0890	8556667.1717
324	324-325	9.10	206°21'12"	587270.8631	8556675.7530
325	325-326	6.10	182°41'53"	587267.5724	8556684.2375
326	326-327	4.24	195°36'56"	587265.1026	8556689.8118
327	327-328	3.32	182°22'13"	587262.4047	8556693.0832
328	328-329	3.38	185°44'7"	587260.1887	8556695.5545
329	329-330	5.77	183°23'21"	587257.6909	8556697.8339
330	330-331	8.33	193°40'56"	587253.2096	8556701.4619
331	331-332	6.36	189°40'40"	587245.6787	8556705.0235
332	332-333	6.09	187°22'22"	587239.5535	8556706.7375
333	333-334	7.72	189°30'25"	587233.5243	8556707.6128
334	334-335	6.62	182°25'45"	587225.8037	8556707.4448
335	335-336	6.69	184°46'56"	587219.1927	8556707.0201
336	336-337	4.13	185°22'33"	587212.5761	8556706.0362
337	337-338	9.13	183°12'57"	587208.5704	8556705.0498
338	338-339	25.20	173°56'23"	587199.8423	8556702.3731
339	339-340	53.16	180°53'20"	587175.1058	8556697.5696
340	340-341	27.22	177°5'30"	587123.0807	8556686.6269
341	341-342	37.12	182°38'44"	587096.1901	8556682.3824



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342	342-343	24.94	181°49'35"	587059.8350	8556674.9097
343	343-344	63.12	177°41'15"	587035.5755	8556669.1117
344	344-345	40.79	181°2'10"	586973.6462	8556656.9291
345	345-346	36.03	185°9'10"	586933.7763	8556648.3344
346	346-347	173.97	189°57'36"	586899.3762	8556637.6082
347	347-348	72.68	177°26'27"	586744.7530	8556557.8769
348	348-349	65.16	162°52'10"	586678.7306	8556527.4840
349	349-350	35.65	173°45'39"	586614.1449	8556518.8801
350	350-351	26.97	182°32'41"	586578.5041	8556518.0409
351	351-352	35.72	193°6'21"	586551.5938	8556516.2094
352	352-353	31.47	191°16'18"	586517.4315	8556505.7653
353	353-354	35.96	194°18'26"	586489.7165	8556490.8603
354	354-355	38.30	192°26'54"	586463.2372	8556466.5297
355	355-356	56.31	189°40'47"	586441.2847	8556435.1472
356	356-357	8.16	174°29'58"	586417.2271	8556384.2385
357	357-358	9.08	152°43'46"	586413.0518	8556377.2328
358	358-359	9.34	153°28'28"	586405.3468	8556372.4303
359	359-360	9.55	153°27'58"	586396.0510	8556371.5500
360	360-361	9.54	151°2'40"	586387.1465	8556374.9903
361	361-1	8.87	153°33'29"	586381.0245	8556382.3069
TOTAL		13477.25	64620°0'2"		
Suma de ángulos (real) = Error acumulado =			64620°00'00" 00°00'02"		

Elaborado por: N. Gamarra/C. Mamani

Fecha: enero 2022