

PLANE COORDINATES

State Texas Locality Langtry to Hot Wells Datum North American 1927 Projection Lambert Zone South Central

Station	x Coordinate		Plane Azimuth	Mark	Station	y Coordinate		Plane Azimuth	Mark
	Feet					Feet			
Presidio southbase, 1934	298 118.91	706 823.36			Cleveland, 1934	256 267.00	859 919.17	216 42 26	Azimuth Mark
Presidio northbase, 1934	302 175.49	726 574.54			Candelaria, 1934	207 366.11	888 538.62	257 23 25	Azimuth Mark
Cochea, 1934	273 945.89	695 956.80	334 51 16	Azimuth Mark	Brite, 1934	249 866.89	890 638.44	195 39 17	Azimuth Mark
Boss, 1934	202 274.02	746 875.81	251 27 12	Azimuth Mark	Capote, 1934	248 586.02	930 882.46	191 04 19	Azimuth Mark
Spencer, 1934	248 766.04	729 334.46	86 14 12	Azimuth Mark	Rio, 1934	196 698.91	935 977.97	1 40 14	Azimuth Mark
Lillian, 1934	277 467.30	771 057.25			Yieja (USGS), 1934	211 436.22	965 809.13	221 35 58	Azimuth Mark
Antonio, 1934	230 202.27	762 602.04	58 12 04	Azimuth Mark	Grande, 1934	158 278.52	977 010.60	38 52 57	Azimuth Mark
Pinto, 1934	248 497.94	808 771.78	208 18 53	Azimuth Mark	TERRA, 1934	204 622.43	1 043 438.62	358 15 47	Azimuth Mark
Rodrigo, 1934	249 228.18	794 124.73	84 01 24	Azimuth Mark	Rebio, 1934	255 597.24	1 057 022.07	139 43 21	Azimuth Mark
Burdosa, 1934	202 824.75	843 247.43	76 54 26	Azimuth Mark	Snyder, 1934	134 894.19	1 010 102.30	339 29 55	Azimuth Mark

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GEOGRAPHIC POSITIONS

Accession No. of Computation: 65718

Locality Big Bend Area North American 1927 Datum Second-order Triangulation, State Texas

STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	DISTANCE		
						LOGARITHM (METERS)	METERS	FEET
Kokernot, 1942 (d.m.)	30 37 33.739 103 48 05.699		99 33 51.83	279 30 09.43	Casket (USE)	4.071 3527	11785.63	38 666.7
			103 21 25.08	283 14 39.82	McDonald	4.337 4719	21750.63	71 360.2
			182 28 56.90	2 29 10.87	Star	4.225 1166	16792.55	55 093.6
			6 30 15.5		Azimuth mark			
Espy, 1942 (d.m.)	30 40 09.431 103 48 49.260		346 23 49.89	166 24 12.10	Kokernot	3.693 0903	4932.76	16 183.6
			74 49 32.51	254 46 12.18	Casket (USE)	4.035 0220	10839.82	35 563.6
			86 19 13.62	266 16 07.02	Spraul	3.989 4599	9760.23	32 021.7
			90 39 12.15	270 32 48.86	McDonald	4.301 1163	20003.98	65 629.7
			80 54 57.3		Azimuth mark			
Cherry, 1942 (d.m.)	30 52 34.317 103 59 35.716		299 49 59.87	119 56 07.48	Star	4.242 2198	21989.73	72 144.6
			32 53 37.97	212 48 06.65	Baldy	4.502 0075	31769.29	104 229.7
Presidio, 1942 (d.m.)	30 24 20.329 103 59 48.752		47 48 19.55	227 46 14.37	Galgo	3.950 5391	8923.58	29 276.8
			128 46 53.43	308 44 09.84	Rock	4.043 3638	11050.04	36 253.3
			270 47 20.85	90 51 51.94	Twin	4.155 3099	14299.14	46 913.1
			195 21 42.7		Azimuth mark			
Paisano, 1942 (d.m.)	30 18 24.387 103 46 31.102		87 33 21.04	267 29 56.97	Gage	4.034 0827	10816.40	35 486.8
			146 58 02.75	326 55 50.34	Twin	4.108 2374	12830.32	42 094.1
			228 02 29.3		Azimuth mark			
Alpine, 1942 (d.m.)	30 21 49.095 103 39 04.576		62 10 31.42	242 06 45.90	Paisano	4.130 0358	13490.74	44 260.9
			103 17 20.57	283 11 22.20	Twin	4.288 5523	19433.56	63 758.3
			142 35 57.48	322 32 05.62	Musquiz	4.303 0361	20092.60	65 920.5
			89 34 08.9		Azimuth mark			

No check on this position. Abbreviations used: d. = described; m. = marked; n. = not; r. = recovered; l. = lost; p. = probably. (Examples: n. d. = not described; p. l. = probably lost.)

GEOGRAPHIC POSITIONS

Locality Big Bend Area

North American 1927 Datum

Third - order Triangulation. State Texas

STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	DISTANCE		
						LOGARITHM (METERS)	METERS	FEET
McDonald Observatory, 1942 (d.)	30 40 16984 104 01 20356		0 02 108	180 02 106	Blue	4.071704	11795.2	38698
			15 18 367	195 16 389	Rock	4.368636	23368.8	76669
			20 06 057	200 06 055	McDonald	1.390034	24594	8054
			41 48 063	221 42 551	Medley	4.388451	24459.7	80248
			74 38 237	254 33 467	Baldy	4.176171	15002.8	49222
			141 10 039	321 07 007	Nunn	4.181963	15204.2	49882
			241 41 408	61 48 408	Star	4.394915	24826.5	81452
			270 36 478	90 43 108	Espy	4.300938	19995.8	65603
			274 47 058	94 50 222	Sprawl	4.012482	10291.6	33765
			283 18 313	103 25 163	Kokernot	4.337414	21747.7	71351
			287 50 467	107 53 493	Casket (U.S.E.)	4.000876	10020.2	32875
340 34 430	160 36 507	Jeff	4.304007	20137.6	66068			
Fort Davis, Jeff Davis Co. Courthouse, dome, 1942 (d.)	30 35 18002 103 53 41026		220 51 587	40 54 273	Espy	4.074478	11870.7	38946
			244 53 569	64 56 476	Kokernot	3.993961	9861.9	32355
			308 42 276	128 46 004	Musquiz	4.155628	14309.6	46947
			29 34 247	209 32 389	Jeff	4.051199	11251.2	36913
			78 05 566	258 02 028	Blue	4.097511	12517.3	41067
Fort Davis, Presbyterian Church, spire, 1942 (d.)	30 35 34637 103 53 40982		310 16 324	130 20 052	Musquiz	4.165378	14634.5	48013
			321 07 569	141 08 267	Davis	3.396109	2489.5	8168
			75 49 355	255 45 416	Blue	4.101541	12634.0	41450
Fortner's Ranch house, Chimney, 1942 (d.)	30 36 49713 103 49 34321		109 40 294	289 37 322	Casket (U.S.E.)	3.992830	9836.3	32271
			191 02 118	11 02 347	Espy	3.797000	6266.1	20558
			240 07 197	60 08 048	Kokernot	3.434891	2722.0	8930

* No check on this position. Abbreviations used: d.—described; m.—marked; n.—not; r.—recovered; l.—lost; p.—probably. (Examples: n. d.—not described; p. l.—probably lost.)

GEOGRAPHIC POSITIONS

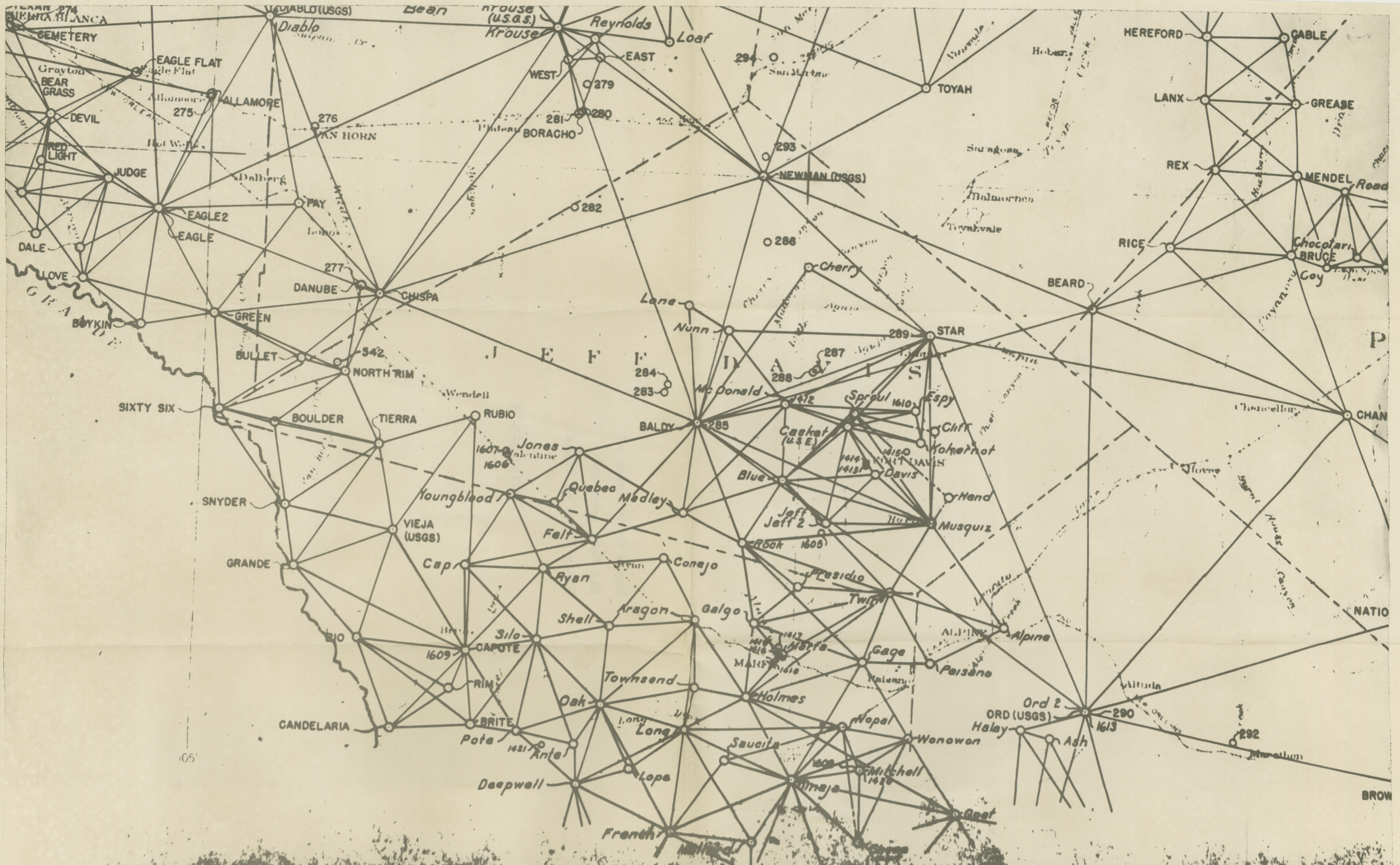
Locality Big Bend Area

North American 1927 Datum

Second - order Triangulation. State Texas

STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	DISTANCE		
						LOGARITHM (METERS)	METERS	FEET
Casket (U.S.E.), 1942 (d.m.)	30 38 37126 103 55 22155		47 37 2731	227 34 2481	Blue	4.1116581	12931.77	42427.0
			107 45 2433	287 42 2152	McDonald	4.0009191	10021.18	32877.8
			219 44 4040	39 48 3727	Star	4.2853241	19289.64	63286.1
			317 24 0822	137 28 3268	Musquiz	4.3113694	20481.86	67197.6
			50 29 569		Azimuth mark			
Davis, 1942 (d.m.)	30 34 31689 103 52 42354		85 13 3734	265 09 1375	Blue	4.1417586	13859.85	45471.9
			150 37 2457	330 36 0320	Casket (U.S.E.)	3.9382324	8674.26	28458.8
			308 04 5153	128 07 5452	Musquiz	4.0863098	12198.60	40021.6
			177 39 464		Azimuth mark			
Jeff, 1942 (d.m.)	30 30 00183 103 57 09258		137 04 0101	317 01 5330	Blue	3.9927730	9834.97	32266.9
			190 09 2442	10 10 1889	Casket (U.S.E.)	4.2087779	16172.53	53059.4
			220 22 4172	40 24 5733	Davis	4.0405305	10978.18	36017.6
			267 06 1747	87 11 3573	Musquiz	4.2237636	16740.31	54922.2
Jeff azimuth mark, 1942 (d.m.)	30 29 19595 103 57 25964		199 37 063	19 37 148	Jeff	3.122837	1326.9	4353
Jeff 2, 1943 (d.m.)	30 30 00076 103 57 08497		20 29 288	200 29 199	Jeff azimuth mark	3.124100	1330.8	4366
			99 13 154	279 13 150	Jeff	1.312896	20.554	67.43
Sprawl, 1942 (d.m.)	30 39 48948 103 54 55124		322 45 3890	142 49 4969	Musquiz	4.3368131	21717.66	71252.0
			18 01 3727	198 01 2349	Casket (U.S.E.)	3.3665802	2325.84	7630.7
			43 14 0558	223 10 4926	Blue	4.1760371	14998.13	49206.4
			39 23 469		Azimuth mark			

* No check on this position. Abbreviations used: d.—described; m.—marked; n.—not; r.—recovered; l.—lost; p.—probably. (Examples: n. d.—not described; p. l.—probably lost.)



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Map & Coordinates of
Big Bend Area and
Other Parts of Texas

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