

Eloy-Casa Grande Height Modernization Survey Results

Final adjusted State Plane Coordinate System of 1983 Arizona Central Zone (0202) grid coordinates and NAVD 88 heights
(pending acceptance of adjusted geodetic coordinates for publication by the National Geodetic Survey)

All linear units are International Feet

NAVD 88 heights displayed to nearest 0.001 ft to account for rounding of metric values.

"ift" denotes International feet.

"ppm" denotes parts per million (= millimeters per kilometer).

"ft/mi" denotes feet per mile.

Transverse Mercator projection parameters

Latitude of grid origin:	31° 00' 00.000" N
Central meridian:	111° 55' 00.000" W
False northing:	0.000 ift
False easting:	700,000.000 ift
Central meridian scale:	0.9999

	Station designation	SPCS 83 AZ Central		NAVD 88 height (ift)	Grid point scale factor	Linear distortion at monument		Convergence angle (deg, min, sec)
		Northing (ift)	Easting (ift)			(ppm)	(ft/mi)	
Primary control								
1	1400 84 B	603,228.434	853,671.538	1774.442	0.9999270437	-153.2	-0.809	+ 0° 16' 10.02"
2	CG NW1	726,303.725	740,691.244	1626.804	0.9999018960	-171.2	-0.904	+ 0° 04' 20.21"
3	E 422	691,641.407	743,695.115	1419.964	0.9999021864	-161.0	-0.850	+ 0° 04' 38.40"
4	HOHOKAM	686,485.026	789,960.728	1447.572	0.9999092675	-155.3	-0.820	+ 0° 09' 32.87"
5	J 516	598,924.051	791,179.942	1597.310	0.9999095209	-162.2	-0.856	+ 0° 09' 35.30"
6	MIDWAY	664,249.745	712,036.182	1359.678	0.9999001659	-160.1	-0.845	+ 0° 01' 16.47"
7	Q 363	662,659.036	786,320.263	1500.161	0.9999085327	-158.5	-0.837	+ 0° 09' 08.31"
8	R 363	662,271.094	786,814.554	1522.684	0.9999086308	-159.5	-0.842	+ 0° 09' 11.43"
9	SIGNAL PEAK AZ MK	710,296.238	774,980.393	1608.957	0.9999064379	-165.8	-0.876	+ 0° 07' 58.67"
10	T 516	641,654.014	823,207.296	1555.840	0.9999173837	-152.4	-0.804	+ 0° 13' 00.88"
11	AZCL CORS ARP	721,820.307	823,054.745	1436.220	0.9999173399	-146.7	-0.775	+ 0° 13' 06.51"
Secondary control								
12	4	665,107.723	765,263.674	1483.310	0.9999048776	-161.4	-0.852	+ 0° 06' 54.67"
13	AD 47	667,599.142	748,798.118	1417.848	0.9999027269	-160.4	-0.847	+ 0° 05' 10.13"
14	AF 49	657,369.395	759,756.132	1480.774	0.9999040891	-162.0	-0.855	+ 0° 06' 19.36"
15	AF 52	641,202.035	759,508.963	1471.654	0.9999040554	-161.6	-0.853	+ 0° 06' 17.15"
16	AGRO	625,591.652	807,193.547	1578.117	0.9999131586	-157.6	-0.832	+ 0° 11' 18.24"
17	AK 45	678,466.501	780,745.881	1446.522	0.9999074662	-157.0	-0.829	+ 0° 08' 33.75"
18	ARENA	710,375.226	765,019.547	1476.936	0.9999048410	-161.1	-0.851	+ 0° 06' 55.08"
19	ARICA	646,802.875	775,432.339	1491.896	0.9999065160	-160.1	-0.845	+ 0° 07' 58.35"
20	BIANCO 2	665,460.272	727,656.893	1388.255	0.9999008759	-160.8	-0.849	+ 0° 02' 55.73"
21	BM 22	647,069.013	711,258.602	1409.777	0.9999001452	-162.5	-0.858	+ 0° 01' 11.40"
22	CASA GRANDE CAC	712,577.271	780,609.076	1481.201	0.9999074408	-158.7	-0.838	+ 0° 08' 34.72"
23	CG 109A	697,294.754	754,354.980	1391.076	0.9999033832	-158.4	-0.837	+ 0° 05' 46.53"
24	CG 131	689,088.107	756,897.804	1400.787	0.9999037072	-158.6	-0.837	+ 0° 06' 02.42"
25	CG 177	702,373.063	749,240.062	1402.264	0.9999027765	-159.6	-0.843	+ 0° 05' 14.08"
26	CG 5	685,244.429	751,621.586	1403.314	0.9999030515	-159.4	-0.841	+ 0° 05' 28.68"
27	CG AIR 1	710,371.790	747,865.987	1451.148	0.9999026236	-162.1	-0.856	+ 0° 05' 05.58"
28	CG NMP	724,831.723	768,704.373	1705.020	0.9999054053	-171.5	-0.905	+ 0° 07' 19.27"
29	CORNMAN	673,298.880	791,260.252	1468.340	0.9999095373	-156.0	-0.824	+ 0° 09' 40.34"
30	CROSS	678,100.520	701,458.639	1328.609	0.9999000024	-158.8	-0.838	+ 0° 00' 09.28"
31	E 278	691,676.294	748,847.071	1387.303	0.9999027323	-158.9	-0.839	+ 0° 05' 11.23"
32	E 516	593,834.112	812,539.172	1650.525	0.9999145040	-159.7	-0.843	+ 0° 11' 49.69"
33	G 516	599,112.281	801,804.596	1615.354	0.9999118690	-160.7	-0.848	+ 0° 10' 42.35"
34	HAY RM 2	694,540.490	770,183.990	1409.646	0.9999056407	-157.1	-0.829	+ 0° 07' 27.31"
35	MAHALO	652,312.951	743,723.770	1430.709	0.9999021893	-161.5	-0.853	+ 0° 04' 37.43"
36	PICACHO PEAK CA	599,023.291	859,154.381	1889.829	0.9999290080	-156.8	-0.828	+ 0° 16' 44.18"
37	Q 516	641,380.247	791,347.706	1527.428	0.9999095557	-158.8	-0.838	+ 0° 09' 38.95"
38	S 363	638,359.022	809,834.483	1553.510	0.9999138149	-155.8	-0.823	+ 0° 11' 35.89"
39	SELMA	673,295.315	807,276.370	1481.955	0.9999131786	-153.0	-0.808	+ 0° 11' 22.18"
40	SIERRA	681,261.106	763,698.509	1419.029	0.9999046464	-158.5	-0.837	+ 0° 06' 45.41"
41	SPILLWAY	652,099.622	732,982.667	1426.673	0.9999012458	-162.3	-0.857	+ 0° 03' 29.28"
42	TWEEDY	609,552.342	775,237.018	1555.643	0.9999064825	-163.2	-0.862	+ 0° 07' 55.24"
43	WOODY	678,473.317	743,764.888	1394.783	0.9999021934	-159.8	-0.844	+ 0° 04' 38.46"
44	YOLE	646,540.769	807,198.362	1531.332	0.9999131596	-155.4	-0.820	+ 0° 11' 19.77"