

Multi Format Point Report; Modus - Pacific Highlands Ranch, San Diego, Calif.

Project information		User information	Coordinate System	
Name:	Modus Project / Pacific Highlands	Field operator: Robert/Daniel/Trey	Name:	US State Plane 1983
Reference #:	SR#20102	Office operator: RLH	Ellipsoid/Datum:	WGS84/GRS80/NAD83
Description: (choice)	WGS84 / ITRF(2014) EPOCH2020.8601		Zone:	CA Zone 6 0406
	NAD83(2011)[EPOCH 2010]		Geoid:	2018B
			Vertical datum:(choice)	NAVD 88 / EGM96
			EPSG: (6426)	***** 6426 *****

Note: UNAVCO Geoid Height Calculator used to determine EGM96 Orthometric values combined with GNSS Field Observed Ellipsoid Heights.

Multi Format ~ NAD83 (2011) (2010) Lat-Long			DMS	EPSG:6426
GCP Point Name	Latitude	Longitude	Ortho - NAVD88 US Ft	Description
101	32°58'04.42704"	-117°12'20.74475"	163.36	4x4 vinal tree class
102	32°58'01.80000"	-117°12'17.51816"	155.61	4x4 vinal tree class
103	32°58'09.97485"	-117°12'10.12638"	252.91	4x4 vinal
104	32°58'07.44744"	-117°12'08.41176"	236.40	4x4 vinal
105	32°58'13.61517"	-117°12'08.83524"	237.84	4x4 vinal brush
106	32°58'10.68039"	-117°12'27.64174"	208.09	2x2 hub w 4x4 wood target
107	32°58'04.32562"	-117°12'29.46209"	154.48	4x4 vinal low brush
108	32°58'15.68975"	-117°12'14.24632"	230.12	chisel x near mh @ culdesac
109	32°58'16.31188"	-117°12'10.54577"	235.79	mh cover mid street (Paint +)
110	32°58'08.13738"	-117°12'18.57732"	214.15	2x2 hub w/tac (Ck Pt Only)
111	32°58'13.70052"	-117°12'16.47326"	215.29	Aerotax 2x2 Paper Target
112	32°58'04.08225"	-117°12'12.27217"	176.38	4x4 vinal low brush
113	32°58'03.46120"	-117°12'06.63023"	216.39	4x4vinal low brush bare earth
114	32°58'12.12572"	-117°12'22.16596"	243.09	4x4 Wood Target / ginney
115	32°58'07.57677"	-117°12'25.55950"	208.57	painted + @ top of mh
116	32°58'07.89350"	-117°12'19.16670"	221.88	4x4 vinal @ open lot
118	32°58'09.70250"	-117°12'28.33668"	192.94	photo+chs x near mh (xtra pt)
121	32°58'11.56591"	-117°12'22.35254"	240.99	L&T @ curb

Multi Format ~ WGS84 ~ ITRF2014 ~ Lat-Long			DMS	(Epoch: 2020.8601 [OPUS])
GCP Point Name	Latitude	Longitude	Ortho - NAVD88 US Ft	Description
101	32°58'04.44604"	-117°12'20.81081"	163.36	4x4 vinal tree class
102	32°58'01.81900"	-117°12'17.58421"	155.61	4x4 vinal tree class
103	32°58'09.99386"	-117°12'10.19244"	252.91	4x4 vinal
104	32°58'07.46645"	-117°12'08.47782"	236.40	4x4 vinal
105	32°58'13.63418"	-117°12'08.90129"	237.84	4x4 vinal brush
106	32°58'10.69939"	-117°12'27.70780"	208.09	2x2 hub w 4x4 wood target
107	32°58'04.34462"	-117°12'29.52815"	154.48	4x4 vinal low brush
108	32°58'15.70875"	-117°12'14.31238"	230.12	chisel x near mh @ culdesac
109	32°58'16.33088"	-117°12'10.61183"	235.79	mh cover mid street (Paint +)
110	32°58'08.15638"	-117°12'18.64338"	214.15	2x2 hub w/tac (Ck Pt Only)
111	32°58'13.71952"	-117°12'16.53932"	215.29	Aerotax 2x2 Paper Target
112	32°58'04.10125"	-117°12'12.33823"	176.38	4x4 vinal low brush
113	32°58'03.48020"	-117°12'06.69629"	216.39	4x4vinal low brush bare earth
114	32°58'12.14473"	-117°12'22.23202"	243.09	4x4 Wood Target / ginney
115	32°58'07.59577"	-117°12'25.62556"	208.57	painted + @ top of mh
116	32°58'07.91250"	-117°12'19.23276"	221.88	4x4 vinal @ open lot
118	32°58'09.72150"	-117°12'28.40274"	192.94	photo+chs x near mh (xtra pt)
121	32°58'11.58459"	-117°12'22.41857"	240.99	L&T @ curb

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Multi Format ~ NAD83 (2011) (2010) SPC U.S. Survey Feet (California 0406)				
GCP Point Name	Northing	Easting	Ortho - NAVD88 US Ft	Description
101	1933289.61	6268531.20	163.36	4x4 vinal tree class
102	1933021.59	6268803.65	155.61	4x4 vinal tree class
103	1933842.02	6269440.94	252.91	4x4 vinal
104	1933585.25	6269584.67	236.40	4x4 vinal
105	1934208.92	6269554.29	237.84	4x4 vinal brush
106	1933927.00	6267949.43	208.09	2x2 hub w 4x4 wood target
107	1933286.18	6267788.45	154.48	4x4 vinal low brush
108	1934422.80	6269095.24	230.12	chisel x near mh @ culdesac
109	1934482.80	6269411.06	235.79	mh cover mid street (Paint +)
110	1933662.90	6268719.29	214.15	2x2 hub w/tac (Ck Pt Only)
111	1934223.50	6268903.68	215.29	Aerotas 2x2 Paper Target
112	1933248.16	6269252.69	176.38	4x4 vinal low brush
113	1933181.00	6269732.77	216.39	4x4vinal low brush bare earth
114	1934068.79	6268417.26	243.09	4x4 Wood Target / ginney
115	1933611.70	6268123.94	208.57	painted + @ top of mh
116	1933638.72	6268668.85	221.88	4x4 vinal @ open lot
118	1933828.71	6267889.32	192.94	photo+chs x near mh (xtra pt)
121	1934012.36	6268400.85	240.99	L&T @ curb

Multi Format ~ Orthometric Heights US FT. Stand Alone Values: (1) NAVD88/GEOID12B & (2) EGM96				
GCP Point Name	Ortho - NAVD88 US Ft		Ortho - EGM96 US Ft	
101	163.36		162.97	
102	155.61		155.22	
103	252.91		252.51	
104	236.40		236.01	
105	237.84		237.44	
106	208.09		207.69	
107	154.48		154.08	
108	230.12		229.72	
109	235.79		235.39	
110	214.15		213.94	
111	215.29		214.89	
112	176.38		175.98	
113	216.39		216.00	
114	243.09		242.69	
115	208.57		208.17	
116	221.88		221.48	
118	192.94		192.54	
121	240.99		240.65	

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Multi Format ~ NAD83 (2011) (2010) Lat-Long (Dec Deg) EPSG:6426				
GCP Point Name	Latitude	Longitude	Ortho - NAVD88 US Ft	Ortho - EGM96 US Ft
101	32.9678964	-117.20576243	163.36	162.97
102	32.96716667	-117.20486615	155.61	155.22
103	32.96943746	-117.20281288	252.91	252.51
104	32.96873540	-117.20233660	236.40	236.01
105	32.97044866	-117.20245423	237.84	237.44
106	32.96963344	-117.20767826	208.09	207.69
107	32.96786823	-117.20818392	154.48	154.08
108	32.97102493	-117.20395731	230.12	229.72
109	32.97119774	-117.20292938	235.79	235.39
110	32.96892705	-117.20516037	214.15	213.94
111	32.97047237	-117.20457591	215.29	214.89
112	32.96780062	-117.20340894	176.38	175.98
113	32.96762811	-117.20184173	216.39	216.00
114	32.97003492	-117.20615721	243.09	242.69
115	32.96877132	-117.20709986	208.57	208.17
116	32.96885931	-117.20532408	221.88	221.48
118	32.96936181	-117.20787130	192.94	192.54
121	32.96987942	-117.20620904	240.99	240.65

Multi Format ~ WGS84 ~ ITRF2014 ~ Lat-Long (Dec Deg) (Epoch: 2020.8601 [OPUS])				
GCP Point Name	Latitude	Longitude	Ortho - NAVD88 US Ft	Ortho - EGM96 US Ft
101	32.96790168	-117.20578078	163.36	162.97
102	32.96717194	-117.20488450	155.61	155.22
103	32.96944274	-117.20283123	252.91	252.51
104	32.96874068	-117.20235495	236.40	236.01
105	32.97045394	-117.20247258	237.84	237.44
106	32.96963872	-117.20769661	208.09	207.69
107	32.96787350	-117.20820226	154.48	154.08
108	32.97103021	-117.20397566	230.12	229.72
109	32.97120302	-117.20294773	235.79	235.39
110	32.96893233	-117.20517872	214.15	213.94
111	32.97047764	-117.20459426	215.29	214.89
112	32.96780590	-117.20342729	176.38	175.98
113	32.96763339	-117.20186008	216.39	216.00
114	32.97004020	-117.20617556	243.09	242.69
115	32.96877660	-117.20711821	208.57	208.17
116	32.96886458	-117.20534243	221.88	221.48
118	32.96936708	-117.20788965	192.94	192.54
121	32.96988461	-117.20622738	240.99	240.65

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