



Date: December 9, 2021 **Time:** 17:47:15 UTC **Employee:** N. Guenther

Job Name: CA Salton Sea **Point ID:** GCP_042

State: California **Latitude:** 33 15 22.39935 **Longitude:** -116 23 57.35300

Address and/or Intersection: Montezuma Valley Rd. and Palm Canyon Dr.

OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	H RMS:	V RMS:	Duration:		
<input checked="" type="radio"/>	STATIC GNSS	Start Time: 17:47:15 UTC		End Time: 21:22:36 UTC		
<input type="radio"/>	Conventional Pairs VRS	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Conventional Pairs STATIC	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Occupied Point	Pt.# / HT: _____ / _____	B.S	Pt.# / HT: _____ / _____	F.S.	Pt.# / HT: _____ / _____
<input type="radio"/>	Back Sight Point	Distance: _____	Vertical Angle: _____	Angle: _____		
<input type="radio"/>	F.S. Point	Angle: _____	Vertical Angle: _____	Slope Dist: _____	Horizontal Dist: _____	

TYPE OF SURFACE

- PAVEMENT
- VEGETATION
- BARE SOIL
- NGS CONTROL

PICTURES

- Photos of area & setup

POINT RE-CHECK

Date: December 9, 2021

Time: 21:24:40

Pt ID: _____

Description: _____

Sketch or Image of Area





POINT ID: GCP_042
MONUMENT PHOTO



Control
GCP_042
Bare Soil

12/09/2021



POINT ID: GCP_042

NORTH PHOTO



Control
GCP_042
Bare Soil

12/09/2021



POINT ID: GCP_042

EAST PHOTO





POINT ID: GCP_042
SOUTH PHOTO





POINT ID: GCP_042
WEST PHOTO



Control
GCP_042
Bare Soil

12/09/2021



RINEX FILE: c027343r.21o

TIME: 19:18:27 UTC

SOFTWARE: page5 2008.25 master292.pl 16032 START: 2021/12/09 17:47:00
 EPHEMERIS: igr21874.eph [rapid] STOP: 2021/12/09 21:22:00
 NAV FILE: brdc3430.21n OBS USED: 7477 / 8002 : 93%
 ANT NAME: TPSHIPER_SR NONE # FIXED AMB: 46 / 51 : 90%
 ARP HEIGHT: 02.000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2021.9392)

X: -2373896.321(m) 0.007(m) -2373897.404(m) 0.007(m)
 Y: -4782337.242(m) 0.013(m) -4782335.649(m) 0.013(m)
 Z: 3477866.972(m) 0.009(m) 3477867.022(m) 0.009(m)

LAT: 33 15 22.39924 0.015(m) 33 15 22.41742 0.015(m)
 E LON: 243 36 2.64730 0.001(m) 243 36 2.58242 0.001(m)
 W LON: 116 23 57.35270 0.001(m) 116 23 57.41758 0.001(m)
 EL HGT: 201.914(m) 0.010(m) 201.150(m) 0.010(m)
 ORTHO HGT: 234.435(m) 0.055(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (0406 CA 6)

Northing (Y) [meters]	3679853.193	620844.272
Easting (X) [meters]	555955.841	1986091.828
Convergence [degrees]	0.32944167	-0.08202222
Point Scale	0.99963860	0.99995506
Combined Factor	0.99960691	0.99992336

US NATIONAL GRID DESIGNATOR: 11SNS5595579853(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN7481	USGC USGC_SCGN_CS1998	CORS ARP	N330148.216 W1160507.157	38564.5
DG9795	P482 LAKHENSRAWCS2004	CORS ARP	N331424.631 W1164017.036	25433.9
DG8353	P480 VALLECITO_CS2004	CORS ARP	N325833.570 W1162054.679	31440.5

NEAREST NGS PUBLISHED CONTROL POINT

AF9883	SDPR 12	N331523.945 W1162357.349	47.6
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