



**Date:** December 5, 2021    **Time:** 20:22:23 UTC    **Employee:** N. Guenther

**Job Name:** CA Salton Sea    **Point ID:** GCP\_041

**State:** California    **Latitude:** 33 19 40.74397    **Longitude:** -115 56 43.97419

**Address and/or Intersection:** Near Ontario Ave and Sea Garden Ave

### OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	<b>H RMS:</b>	<b>V RMS:</b>	<b>Duration:</b>		
<input checked="" type="radio"/>	STATIC GNSS	<b>Start Time:</b> 20:22:23 UTC		<b>End Time:</b> 23:16:22 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:** \_\_\_\_\_

**Time:** \_\_\_\_\_

**Pt ID:** \_\_\_\_\_

**Description:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Sketch or Image of Area





POINT ID: GCP\_041  
MONUMENT PHOTO



Control  
GCP\_041  
Pavement

12/05/2021



POINT ID: GCP\_041  
NORTH PHOTO





POINT ID: GCP\_041  
EAST PHOTO



Control  
GCP\_041  
Pavement

12/05/2021



POINT ID: GCP\_041  
SOUTH PHOTO



Control  
GCP\_041  
Pavement

12/05/2021



POINT ID: GCP\_041  
WEST PHOTO





RINEX FILE: c021339u.21o

TIME: 19:08:49 UTC

SOFTWARE: page5 2008.25 master253.pl 16032    START: 2021/12/05 20:22:00  
 EPHEMERIS: igr21870.eph [rapid]                    STOP: 2021/12/05 23:16:00  
 NAV FILE: brdc3390.21n                            OBS USED: 6547 / 7056 : 93%  
 ANT NAME: TPSHIPER\_SR    NONE                    # FIXED AMB: 38 / 41 : 93%  
 ARP HEIGHT: 02.000                                OVERALL RMS: 0.014(m)

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)                    ITRF2014 (EPOCH:2021.9285)

X: -2333929.273(m) 0.011(m)                    -2333930.291(m) 0.011(m)  
 Y: -4796828.975(m) 0.003(m)                    -4796827.490(m) 0.003(m)  
 Z: 3484353.365(m) 0.006(m)                    3484353.320(m) 0.006(m)

LAT: 33 19 40.74413 0.003(m)                    33 19 40.75878 0.003(m)  
 E LON: 244 3 16.02572 0.009(m)                    244 3 15.96521 0.009(m)  
 W LON: 115 56 43.97428 0.009(m)                    115 56 44.03479 0.009(m)  
 EL HGT: -101.559(m) 0.008(m)                    -102.328(m) 0.008(m)  
 ORTHO HGT: -67.664(m) 0.063(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)                    SPC (0406 CA 6)

Northing (Y) [meters]	3688144.493	628834.489
Easting (X) [meters]	598138.621	2028344.903
Convergence [degrees]	0.57939444	0.16730278
Point Scale	0.99971874	0.99995415
Combined Factor	0.99973468	0.99997009

US NATIONAL GRID DESIGNATOR: 11SNS9813888144(NAD 83)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH8055	GLRS GLRS_SCGN_CS1999	CORS ARP	N331629.309 W1153116.890	39944.0
DN7481	USGC USGC_SCGN_CS1998	CORS ARP	N330148.216 W1160507.157	35521.4
DH4108	P486 BORREGO AIRCS2004	CORS ARP	N331536.674 W1161920.181	35886.3

### NEAREST NGS PUBLISHED CONTROL POINT

DW0234	E 577	N331850.000 W1155923.000	4400.3
--------	-------	--------------------------	--------