



**Date:** December 5, 2021    **Time:** 20:03:50 UTC    **Employee:** N. Guenther

**Job Name:** CA Salton Sea    **Point ID:** GCP\_047

**State:** California    **Latitude:** 33 15 03.76312    **Longitude:** -115 56 43.94929

**Address and/or Intersection:** Air Park Dr. and Airloop St.

### 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> 20:03:50 UTC		<b>End Time:</b> 23:00:06 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\_047

MONUMENT PHOTO



Control  
GCP\_047  
Pavement

12/05/2021



POINT ID: GCP\_047

NORTH PHOTO



Control  
GCP\_047  
Pavement

12/05/2021



POINT ID: GCP\_047

EAST PHOTO



Control  
GCP\_047  
Pavement

12/05/2021



POINT ID: GCP\_047  
SOUTH PHOTO





POINT ID: GCP\_047  
WEST PHOTO



Control  
GCP\_047  
Pavement

12/05/2021



RINEX FILE: c020339u.21o

TIME: 19:12:26 UTC

SOFTWARE: page5 2008.25 master257.pl 16032    START: 2021/12/05 20:04:00  
 EPHEMERIS: igr21870.eph [rapid]                    STOP: 2021/12/05 23:00:00  
 NAV FILE: brdc3390.21n                    OBS USED: 6013 / 6245 : 96%  
 ANT NAME: TSHIPER\_SR    NONE            # FIXED AMB: 29 / 29 : 100%  
 ARP HEIGHT: 02.000                    OVERALL RMS: 0.012(m)

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

X: -2335988.028(m) 0.006(m)    -2335989.052(m) 0.006(m)  
 Y: -4801061.727(m) 0.006(m)    -4801060.230(m) 0.006(m)  
 Z: 3477235.697(m) 0.008(m)    3477235.663(m) 0.008(m)

LAT: 33 15 03.76312 0.007(m)    33 15 3.77816 0.007(m)  
 E LON: 244 3 16.05071 0.008(m)    244 3 15.98983 0.008(m)  
 W LON: -115 56 43.94929 0.008(m)    115 56 44.01017 0.008(m)  
 EL HGT: -73.720(m) 0.005(m)    -74.490(m) 0.005(m)  
 ORTHO HGT: -39.770(m) 0.064(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)    SPC (0406 CA 6)

Northing (Y) [meters]	3679614.040	620301.622
Easting (X) [meters]	598225.445	2028370.466
Convergence [degrees]	0.57821389	0.16730556
Point Scale	0.99971895	0.99995518
Combined Factor	0.99973052	0.99996675

US NATIONAL GRID DESIGNATOR: 11SNS9822579614(NAD 83)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN5679	SLMS SLMS_SCGN_CS1999	CORS ARP	N331732.005 W1155840.182	5468.7
DN7481	USGC USGC_SCGN_CS1998	CORS ARP	N330148.216 W1160507.157	27763.8
DH8055	GLRS GLRS_SCGN_CS1999	CORS ARP	N331629.309 W1153116.890	39610.7

### NEAREST NGS PUBLISHED CONTROL POINT

DW0223	K 577	N331511.000 W1155641.000	235.7
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