



Date: December 6, 2021 **Time:** 20:46:01 UTC **Employee:** N. Guenther

Job Name: CA Salton Sea **Point ID:** GCP_045

State: California **Latitude:** 33 07 33.90211 **Longitude:** -116 02 39.06704

Address and/or Intersection: Along CA-78 W

OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	H RMS:	V RMS:	Duration:		
<input checked="" type="radio"/>	STATIC GNSS	Start Time: 20:46:01 UTC		End Time: 22:59:42 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_045
MONUMENT PHOTO



Control
GCP_045
Bare Soil

12/06/2021



POINT ID: GCP_045

NORTH PHOTO



Control
GCP_045
Bare Soil

12/06/2021

POINT ID: GCP_045

EAST PHOTO



Control
GCP_045
Bare Soil

12/06/2021



POINT ID: GCP_045
SOUTH PHOTO





POINT ID: GCP_045
WEST PHOTO



Control
GCP_045
Bare Soil

12/06/2021



RINEX FILE: c024340u.21o

TIME: 22:21:52 UTC

SOFTWARE: page5 2008.25 master292.pl 16032 START: 2021/12/06 20:46:00
 EPHEMERIS: igr21871.eph [rapid] STOP: 2021/12/06 22:59:00
 NAV FILE: brdc3400.21n OBS USED: 5053 / 5413 : 93%
 ANT NAME: TPSHIPER_SR NONE # FIXED AMB: 31 / 35 : 89%
 ARP HEIGHT: 02.000 OVERALL RMS: 0.011(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2021.9313)

X: -2347600.409(m) 0.005(m) -2347601.471(m) 0.005(m)
 Y: -4803888.044(m) 0.025(m) -4803886.489(m) 0.025(m)
 Z: 3465665.894(m) 0.008(m) 3465665.910(m) 0.008(m)

LAT: 33 07 33.90211 0.011(m) 33 7 33.91903 0.011(m)
 E LON: 243 57 20.93296 0.015(m) 243 57 20.86981 0.015(m)
 W LON: -116 02 39.06704 0.015(m) 116 2 39.13019 0.015(m)
 EL HGT: -21.651(m) 0.017(m) -22.422(m) 0.017(m)
 ORTHO HGT: 12.244(m) 0.071(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (0406 CA 6)

Northing (Y) [meters]	3665671.209	606420.550
Easting (X) [meters]	589162.693	2019205.875
Convergence [degrees]	0.52237222	0.11310000
Point Scale	0.99969802	0.99996069
Combined Factor	0.99970142	0.99996409

US NATIONAL GRID DESIGNATOR: 11SNS8916265671(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH4108	P486 BORREGO	AIRCS2004	CORS ARP	N331536.674 W1161920.181 29894.5
AF9696	DHLG DURMID	HILL CORS	ARP	N332323.287 W1154716.855 37752.3
DG8353	P480 VALLECITO	_CS2004	CORS ARP	N325833.570 W1162054.679 32944.5

NEAREST NGS PUBLISHED CONTROL POINT

DX0333	H 579	N3307000032	W1160200009	763.1
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