

AZIM	ESVC	MNHQ	15.454°	+/- 0.0009°
AZIM	ESVC	CHSL_0	16.178°	+/- 0.0006°
AZIM	ESVC	PDBS	18.827°	+/- 0.0008°
AZIM	ESVC	CHSL_E	22.729°	+/- 0.0006°
AZIM	ESVC	PLB1	43.509°	+/- 0.0025°
AZIM	ESVC	RNN1	37.673°	+/- 0.0009°
AZIM	ESVC	LMP2	76.835°	+/- 0.0028°
AZIM	ESVC	CSGP	78.911°	+/- 0.0018°
AZIM	ESVC	PZNE	88.556°	+/- 0.0041°
AZIM	ESVC	FTCE	111.496°	+/- 0.0022°
AZIM	ESVC	FTNE	132.496°	+/- 0.0036°
AZIM	ESVC	TMLE	156.087°	+/- 0.0010°
AZIM	ESVC	BT11	166.377°	+/- 0.0009°
AZIM	ESVC	CAS1	167.422°	+/- 0.0011°
AZIM	ESVC	CAS2	185.949°	+/- 0.0011°
AZIM	ESVC	BT2	187.314°	+/- 0.0009°
AZIM	ESVC	PTB1	207.560°	+/- 0.0057°
AZIM	ESVC	PTB2	225.536°	+/- 0.0056°
AZIM	ESVC	PSQC	273.564°	+/- 0.0030°
AZIM	ESVC	LMP1	304.882°	+/- 0.0035°
AZIM	ESVC	PZ30	307.152°	+/- 0.0017°
AZIM	ESVC	PZNO	313.329°	+/- 0.0025°
AZIM	ESVC	PAVC	317.251°	+/- 0.0011°
AZIM	ESVC	TUBE	335.928°	+/- 0.0009°
AZIM	ESVC	PLB0	345.366°	+/- 0.0042°
AZIM	ESVC	ROI0	346.399°	+/- 0.0008°
AZIM	ESVC	ROI1	346.615°	+/- 0.0010°
AZIM	ESVC	ROI2	351.747°	+/- 0.0008°

BNGZ



Borne de gaz jaune - centre au sommet

Coordonnées Lambert 93 - RGF 93 :

E = 658671.395 m N = 6860147.145 m h = 0.000 m

$\sigma_E = 0.0048$ m $\sigma_N = 0.0091$ m $\sigma_h = 0.0000$ m ($\sigma_{\text{plani}} = 10.3$ mm)

Instruction Comp3D : 7 BNGZ 658671.395 6860147.145 0.000 0.0048 0.0091 0.0000

Coordonnées géographiques - RGF 93 :

$\lambda = 2.436912594^\circ$ $\varphi = 48.840047847^\circ$ h = 0.000 m

$\lambda_{\text{dms}} = 2^\circ 26' 12.88534''$ $\varphi_{\text{dms}} = 48^\circ 50' 24.17225''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202039.820 m Y = 178829.627 m Z = 4778870.053 m

BT2



Croisillon fenêtre - Caserne Ouest - 2e fenêtre en partant de la gauche

Coordonnées Lambert 93 - RGF 93 :

$$E = 658526.142 \text{ m} \quad N = 6860017.727 \text{ m} \quad h = 103.672 \text{ m}$$

$$\sigma_E = 0.0025 \text{ m} \quad \sigma_N = 0.0033 \text{ m} \quad \sigma_h = 0.0035 \text{ m} \quad (\sigma_{\text{plani}} = 4.2 \text{ mm})$$

Instruction Comp3D : 1 BT2 658526.142 6860017.727 103.672 0.0025 0.0033 0.0035

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.434946260^\circ \quad \varphi = 48.838874649^\circ \quad h = 103.672 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 5.80654'' \quad \varphi_{\text{dms}} = 48^\circ 50' 19.94874''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202212.264 \text{ m} \quad Y = 178692.489 \text{ m} \quad Z = 4778862.234 \text{ m}$$

BT11



Vis de droite croisillon fenêtre - Caserne Est - 2e fenêtre en partant de la gauche

Coordonnées Lambert 93 - RGF 93 :

E = 658568.294 m N = 6860031.611 m h = 99.594 m

$\sigma_E = 0.0023 \text{ m}$ $\sigma_N = 0.0023 \text{ m}$ $\sigma_h = 0.0020 \text{ m}$ ($\sigma_{\text{plani}} = 3.2 \text{ mm}$)

Instruction Comp3D : 1 BT11 658568.294 6860031.611 99.594 0.0023 0.0023 0.0020

Coordonnées géographiques - RGF 93 :

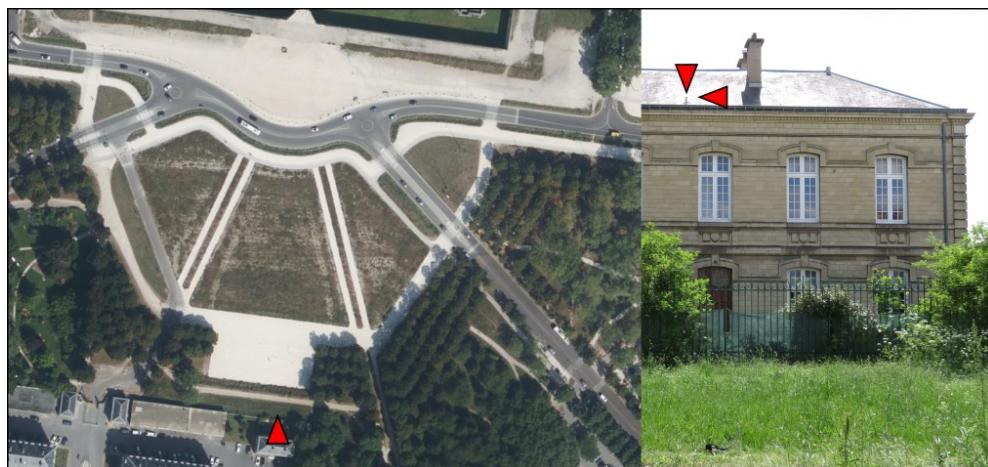
$\lambda = 2.435519172^\circ$ $\varphi = 48.839002215^\circ$ h = 99.594 m

$\lambda_{\text{dms}} = 2^\circ 26' 7.86902''$ $\varphi_{\text{dms}} = 48^\circ 50' 20.40798''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202197.124 m Y = 178733.940 m Z = 4778868.501 m

CAS1



Caserne Bâtiment Est - Piquet central sur le toit - axe au sommet

Coordonnées Lambert 93 - RGF 93 :

$$E = 658566.182 \text{ m} \quad N = 6860031.742 \text{ m} \quad h = 102.640 \text{ m}$$

$$\sigma_E = 0.0026 \text{ m} \quad \sigma_N = 0.0076 \text{ m} \quad \sigma_h = 0.0047 \text{ m} \quad (\sigma_{\text{plani}} = 8.0 \text{ mm})$$

Instruction Comp3D : 1 CAS1 658566.182 6860031.742 102.640 0.0026 0.0076 0.0047

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.435490394^\circ \quad \varphi = 48.839003264^\circ \quad h = 102.640 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 7.76542'' \quad \varphi_{\text{dms}} = 48^\circ 50' 20.41175''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202199.130 \text{ m} \quad Y = 178731.911 \text{ m} \quad Z = 4778870.871 \text{ m}$$

CAS2



Caserne Bâtiment avant-poste - fenêtre Est - coin supérieur gauche

Coordonnées Lambert 93 - RGF 93 :

$$E = 658532.458 \text{ m} \quad N = 6860047.789 \text{ m} \quad h = 95.425 \text{ m}$$

$$\sigma_E = 0.0028 \text{ m} \quad \sigma_N = 0.0051 \text{ m} \quad \sigma_h = 0.0041 \text{ m} \quad (\sigma_{\text{plani}} = 5.8 \text{ mm})$$

Instruction Comp3D : 1 CAS2 658532.458 6860047.789 95.425 0.0028 0.0051 0.0041

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.435029378^\circ \quad \varphi = 48.839145406^\circ \quad h = 95.425 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 6.10576'' \quad \varphi_{\text{dms}} = 48^\circ 50' 20.92346''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202183.933 \text{ m} \quad Y = 178697.392 \text{ m} \quad Z = 4778875.843 \text{ m}$$

CAS3



Caserne Bâtiment centre - cheminée - axe au sommet

Coordonnées Lambert 93 - RGF 93 :

E = 658489.702 m N = 6860019.004 m h = 0.000 m

$\sigma_E = 0.0114$ m $\sigma_N = 0.0105$ m $\sigma_h = 0.0000$ m ($\sigma_{\text{plani}} = 15.5$ mm)

Instruction Comp3D : 7 CAS3 658489.702 6860019.004 0.000 0.0114 0.0105 0.0000

Coordonnées géographiques - RGF 93 :

$\lambda = 2.434449682^\circ$ $\varphi = 48.838883785^\circ$ h = 0.000 m

$\lambda_{\text{dms}} = 2^\circ 26' 4.01886''$ $\varphi_{\text{dms}} = 48^\circ 50' 19.98163''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202144.875 m Y = 178653.138 m Z = 4778784.852 m

CHSL_E



Sainte Chapelle du Château de Vincennes : sommet doré (est)

Coordonnées Lambert 93 - RGF 93 :

$$E = 658653.994 \text{ m} \quad N = 6860400.589 \text{ m} \quad h = 139.214 \text{ m}$$

$$\sigma_E = 0.0027 \text{ m} \quad \sigma_N = 0.0036 \text{ m} \quad \sigma_h = 0.0108 \text{ m} \quad (\sigma_{\text{plani}} = 4.5 \text{ mm})$$

Instruction Comp3D : 1 CHSL_E 658653.994 6860400.589 139.214 0.0027 0.0036 0.0108

Coordonnées géographiques - RGF 93 :

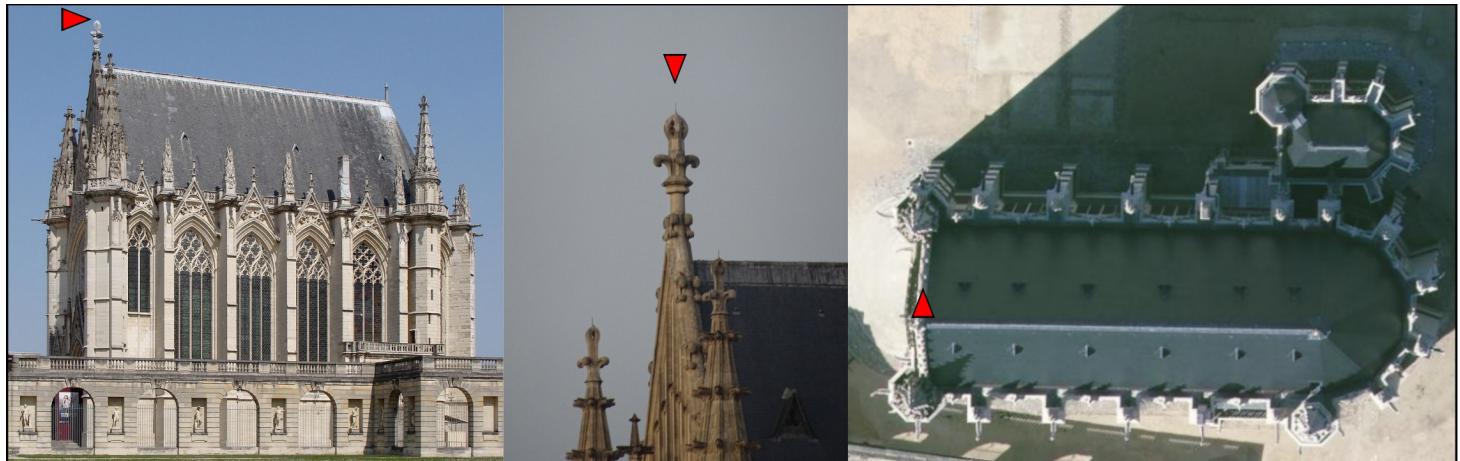
$$\lambda = 2.436650879^\circ \quad \varphi = 48.842325980^\circ \quad h = 139.214 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 11.94316'' \quad \varphi_{\text{dms}} = 48^\circ 50' 32.37353''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4201941.608 \text{ m} \quad Y = 178806.219 \text{ m} \quad Z = 4779141.605 \text{ m}$$

CHSL_O



Sainte Chapelle du Château de Vincennes : sommet en pierre (ouest)

Coordonnées Lambert 93 - RGF 93 :

$$E = 658620.543 \text{ m} \quad N = 6860401.403 \text{ m} \quad h = 141.323 \text{ m}$$

$$\sigma_E = 0.0028 \text{ m} \quad \sigma_N = 0.0036 \text{ m} \quad \sigma_h = 0.0105 \text{ m} \quad (\sigma_{\text{plani}} = 4.6 \text{ mm})$$

Instruction Comp3D : 1 CHSL_O 658620.543 6860401.403 141.323 0.0028 0.0036 0.0105

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.436195039^\circ \quad \varphi = 48.842331150^\circ \quad h = 141.323 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 10.30214'' \quad \varphi_{\text{dms}} = 48^\circ 50' 32.39214''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4201943.985 \text{ m} \quad Y = 178772.830 \text{ m} \quad Z = 4779143.571 \text{ m}$$

CSGP



Lettre 'P' Paris - Coin supérieur gauche - face avant

Coordonnées Lambert 93 - RGF 93 :

E = 658713.788 m N = 6860172.566 m h = 96.606 m

$\sigma_E = 0.0050$ m $\sigma_N = 0.0058$ m $\sigma_h = 0.0068$ m ($\sigma_{\text{plani}} = 7.6$ mm)

Instruction Comp3D : 1 CSGP 658713.788 6860172.566 96.606 0.0050 0.0058 0.0068

Coordonnées géographiques - RGF 93 :

$\lambda = 2.437487700^\circ$ $\varphi = 48.840279184^\circ$ h = 96.606 m

$\lambda_{\text{dms}} = 2^\circ 26' 14.95572''$ $\varphi_{\text{dms}} = 48^\circ 50' 25.00506''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202082.198 m Y = 178873.686 m Z = 4778959.717 m

ESVC



Esplanade de Vincennes : clou d'arpentage

Coordonnées Lambert 93 - RGF 93 :

$$E = 658542.770 \text{ m} \quad N = 6860140.317 \text{ m} \quad h = 96.427 \text{ m}$$

$$\sigma_E = 0.0016 \text{ m} \quad \sigma_N = 0.0030 \text{ m} \quad \sigma_h = 0.0024 \text{ m} \quad (\sigma_{\text{plani}} = 3.4 \text{ mm})$$

Instruction Comp3D : 1 ESVC 658542.770 6860140.317 96.427 0.0016 0.0030 0.0024

Coordonnées géographiques - RGF 93 :

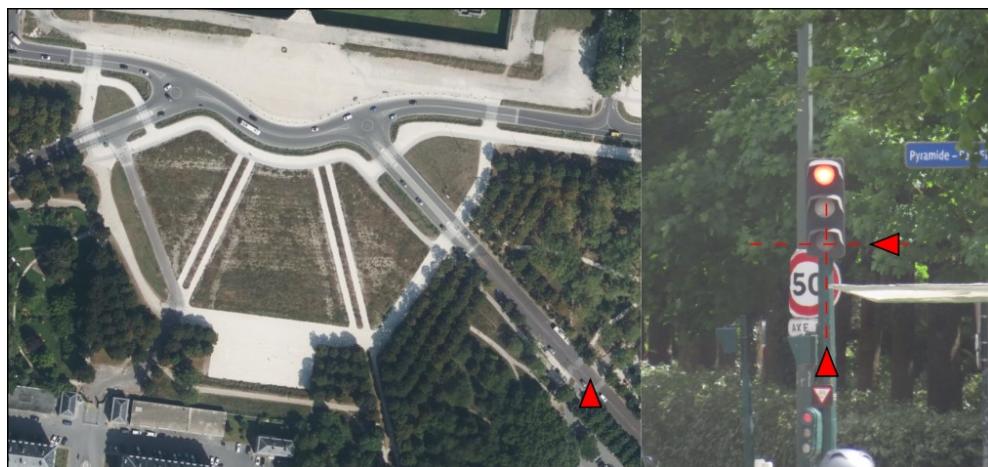
$$\lambda = 2.435160850^\circ \quad \varphi = 48.839978181^\circ \quad h = 96.427 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 6.57906'' \quad \varphi_{\text{dms}} = 48^\circ 50' 23.92145''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202114.521 \text{ m} \quad Y = 178704.100 \text{ m} \quad Z = 4778937.551 \text{ m}$$

FTCE



Feu tricolore Est - axe au niveau du centre du signal vert

Coordonnées Lambert 93 - RGF 93 :

$E = 658721.584 \text{ m}$ $N = 6860068.411 \text{ m}$ $h = 96.083 \text{ m}$

$\sigma_E = 0.0097 \text{ m}$ $\sigma_N = 0.0100 \text{ m}$ $\sigma_h = 0.0074 \text{ m}$ ($\sigma_{\text{plani}} = 13.9 \text{ mm}$)

Instruction Comp3D : 1 FTCE 658721.584 6860068.411 96.083 0.0097 0.0100 0.0074

Coordonnées géographiques - RGF 93 :

$\lambda = 2.437604014^\circ$ $\varphi = 48.839343004^\circ$ $h = 96.083 \text{ m}$

$\lambda_{\text{dms}} = 2^\circ 26' 15.37445''$ $\varphi_{\text{dms}} = 48^\circ 50' 21.63481''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$X = 4202159.803 \text{ m}$ $Y = 178885.535 \text{ m}$ $Z = 4778890.801 \text{ m}$

FTNE



Fontaine à Eau - axe au sommet

Coordonnées Lambert 93 - RGF 93 :

$$E = 658607.935 \text{ m} \quad N = 6860079.749 \text{ m} \quad h = 94.644 \text{ m}$$

$$\sigma_E = 0.0058 \text{ m} \quad \sigma_N = 0.0049 \text{ m} \quad \sigma_h = 0.0040 \text{ m} \quad (\sigma_{\text{plani}} = 7.6 \text{ mm})$$

Instruction Comp3D : 1 FTNE 658607.935 6860079.749 94.644 0.0058 0.0049 0.0040

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.436054565^\circ \quad \varphi = 48.839437680^\circ \quad h = 94.644 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 9.79644'' \quad \varphi_{\text{dms}} = 48^\circ 50' 21.97565''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202155.773 \text{ m} \quad Y = 178771.519 \text{ m} \quad Z = 4778896.647 \text{ m}$$

LMP1



Poteau lampadaire Nord-Ouest - axe au niveau du collet

Coordonnées Lambert 93 - RGF 93 :

E = 658481.393 m N = 6860183.763 m h = 96.094 m

$\sigma_E = 0.0075$ m $\sigma_N = 0.0055$ m $\sigma_h = 0.0036$ m ($\sigma_{\text{plani}} = 9.3$ mm)

Instruction Comp3D : 1 LMP1 658481.393 6860183.763 96.094 0.0075 0.0055 0.0036

Coordonnées géographiques - RGF 93 :

$\lambda = 2.434320394^\circ$ $\varphi = 48.840364941^\circ$ h = 96.094 m

$\lambda_{\text{dms}} = 2^\circ 26' 3.55342''$ $\varphi_{\text{dms}} = 48^\circ 50' 25.31379''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202084.570 m Y = 178641.075 m Z = 4778965.609 m

LMP2



Poteau lampadaire Nord-Est - axe au niveau du collet

Coordonnées Lambert 93 - RGF 93 :

$$E = 658659.042 \text{ m} \quad N = 6860166.638 \text{ m} \quad h = 96.149 \text{ m}$$

$$\sigma_E = 0.0057 \text{ m} \quad \sigma_N = 0.0066 \text{ m} \quad \sigma_h = 0.0050 \text{ m} \quad (\sigma_{\text{plani}} = 8.7 \text{ mm})$$

Instruction Comp3D : 1 LMP2 658659.042 6860166.638 96.149 0.0057 0.0066 0.0050

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.436742400^\circ \quad \varphi = 48.840222355^\circ \quad h = 96.149 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 12.27264'' \quad \varphi_{\text{dms}} = 48^\circ 50' 24.80048''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202088.978 \text{ m} \quad Y = 178819.215 \text{ m} \quad Z = 4778955.214 \text{ m}$$

MNHQ



Porte du Bois - centre symbole "Monument historique"

Coordonnées Lambert 93 - RGF 93 :

E = 658581.182 m N = 6860275.486 m h = 100.019 m

$\sigma_E = 0.0026 \text{ m}$ $\sigma_N = 0.0029 \text{ m}$ $\sigma_h = 0.0057 \text{ m}$ ($\sigma_{\text{plani}} = 3.9 \text{ mm}$)

Instruction Comp3D : 1 MNHQ 658581.182 6860275.486 100.019 0.0026 0.0029 0.0057

Coordonnées géographiques - RGF 93 :

$\lambda = 2.435671012^\circ$ $\varphi = 48.841196240^\circ$ h = 100.019 m

$\lambda_{\text{dms}} = 2^\circ 26' 8.41564''$ $\varphi_{\text{dms}} = 48^\circ 50' 28.30646''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202013.399 m Y = 178737.282 m Z = 4779029.408 m

PAVC



Panneau Avenue Carnot - coin supérieur gauche - face avant

Coordonnées Lambert 93 - RGF 93 :

E = 658420.331 m N = 6860274.690 m h = 0.000 m

σ_E = 0.0064 m σ_N = 0.0096 m σ_h = 0.0000 m ($\sigma_{\text{plani}} = 11.6 \text{ mm}$)

Instruction Comp3D : 7 PAVC 658420.331 6860274.690 0.000 0.0064 0.0096 0.0000

Coordonnées géographiques - RGF 93 :

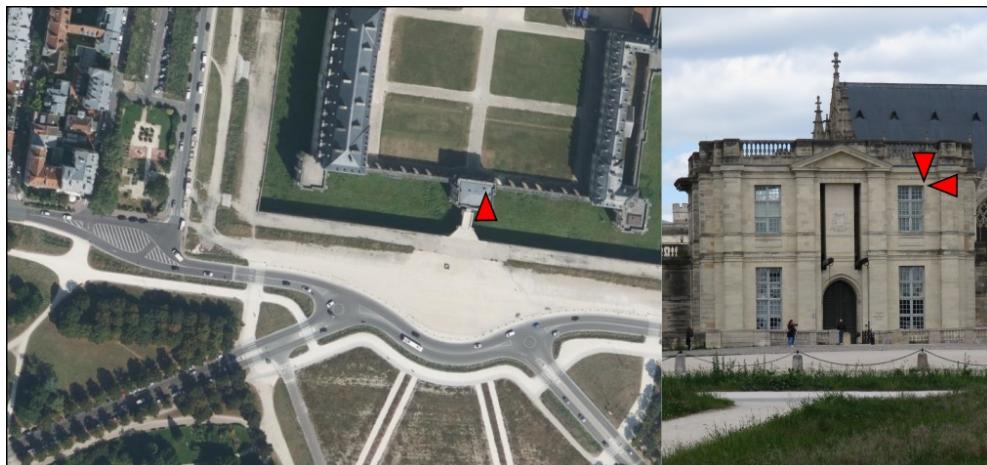
λ = 2.433479581° φ = 48.841178727° h = 0.000 m

λ_{dms} = 2° 26' 0.52649" φ_{dms} = 48° 50' 28.24342"

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4201955.929 m Y = 178573.832 m Z = 4778952.824 m

PDBS



Porte du Bois - Fenêtre Est - coin supérieur droit

Coordonnées Lambert 93 - RGF 93 :

$$E = 658589.815 \text{ m} \quad N = 6860275.132 \text{ m} \quad h = 109.693 \text{ m}$$

$$\sigma_E = 0.0023 \text{ m} \quad \sigma_N = 0.0027 \text{ m} \quad \sigma_h = 0.0028 \text{ m} \quad (\sigma_{\text{plani}} = 3.5 \text{ mm})$$

Instruction Comp3D : 1 PDBS 658589.815 6860275.132 109.693 0.0023 0.0027 0.0028

Coordonnées géographiques - RGF 93 :

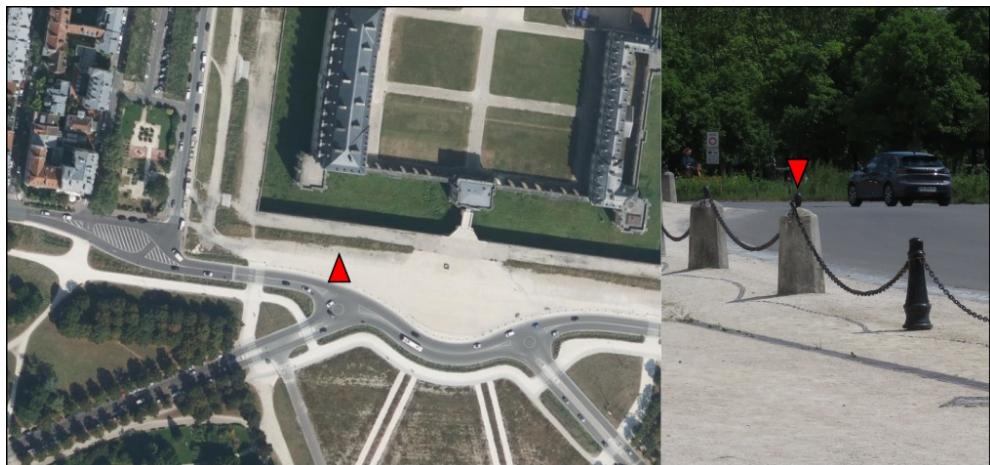
$$\lambda = 2.435788670^\circ \quad \varphi = 48.841193612^\circ \quad h = 109.693 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 8.83921'' \quad \varphi_{\text{dms}} = 48^\circ 50' 28.29700''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202019.613 \text{ m} \quad Y = 178746.191 \text{ m} \quad Z = 4779036.500 \text{ m}$$

PLBO



Plot béton Ouest - axe au sommet

Coordonnées Lambert 93 - RGF 93 :

E = 658519.468 m N = 6860232.239 m h = 96.866 m

$\sigma_E = 0.0069$ m $\sigma_N = 0.0044$ m $\sigma_h = 0.0042$ m ($\sigma_{\text{plani}} = 8.2$ mm)

Instruction Comp3D : 1 PLBO 658519.468 6860232.239 96.866 0.0069 0.0044 0.0042

Coordonnées géographiques - RGF 93 :

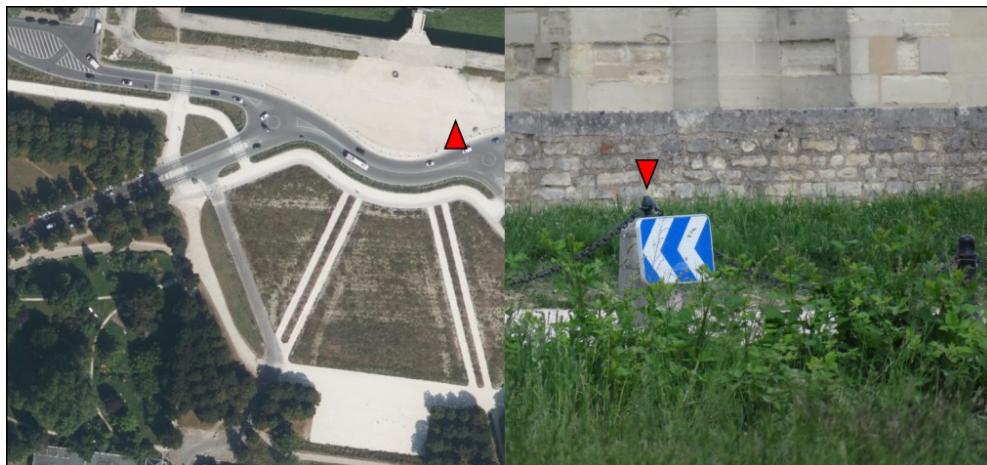
$\lambda = 2.434834412^\circ$ $\varphi = 48.840803343^\circ$ h = 96.866 m

$\lambda_{\text{dms}} = 2^\circ 26' 5.40388''$ $\varphi_{\text{dms}} = 48^\circ 50' 26.89204''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202046.801 m Y = 178677.236 m Z = 4778998.277 m

PLB1



Plot béton Est - axe au sommet

Coordonnées Lambert 93 - RGF 93 :

E = 658612.514 m N = 6860212.743 m h = 0.000 m

$\sigma_E = 0.0040$ m $\sigma_N = 0.0053$ m $\sigma_h = 0.0000$ m ($\sigma_{\text{plani}} = 6.6$ mm)

Instruction Comp3D : 7 PLB1 658612.514 6860212.743 0.000 0.0040 0.0053 0.0000

Coordonnées géographiques - RGF 93 :

$\lambda = 2.436103998^\circ$ $\varphi = 48.840634001^\circ$ h = 0.000 m

$\lambda_{\text{dms}} = 2^\circ 26' 9.97439''$ $\varphi_{\text{dms}} = 48^\circ 50' 26.28240''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4201993.312 m Y = 178768.239 m Z = 4778912.955 m

PSQC



Panneau - entrée Square Carnot - centre poteau au sommet

Coordonnées Lambert 93 - RGF 93 :

$$E = 658465.759 \text{ m} \quad N = 6860145.667 \text{ m} \quad h = 95.531 \text{ m}$$

$$\sigma_E = 0.0060 \text{ m} \quad \sigma_N = 0.0047 \text{ m} \quad \sigma_h = 0.0037 \text{ m} \quad (\sigma_{\text{plani}} = 7.6 \text{ mm})$$

Instruction Comp3D : 1 PSQC 658465.759 6860145.667 95.531 0.0060 0.0047 0.0037

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.434111119^\circ \quad \varphi = 48.840021331^\circ \quad h = 95.531 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 2.80003'' \quad \varphi_{\text{dms}} = 48^\circ 50' 24.07679''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202113.595 \text{ m} \quad Y = 178626.933 \text{ m} \quad Z = 4778940.035 \text{ m}$$

PTB1



Poteau en bois - entrée caserne garde républicaine - sommet pyramide

Coordonnées Lambert 93 - RGF 93 :

E = 658517.864 m N = 6860093.417 m h = 94.447 m

$\sigma_E = 0.0058$ m $\sigma_N = 0.0046$ m $\sigma_h = 0.0031$ m ($\sigma_{\text{plani}} = 7.4$ mm)

Instruction Comp3D : 1 PTB1 658517.864 6860093.417 94.447 0.0058 0.0046 0.0031

Coordonnées géographiques - RGF 93 :

$\lambda = 2.434826102^\circ$ $\varphi = 48.839554801^\circ$ h = 94.447 m

$\lambda_{\text{dms}} = 2^\circ 26' 5.37397''$ $\varphi_{\text{dms}} = 48^\circ 50' 22.39728''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202149.678 m Y = 178681.000 m Z = 4778905.072 m

PTB2



Poteau en bois - piste cyclable - centre cylindre blanc

Coordonnées Lambert 93 - RGF 93 :

E = 658506.663 m N = 6860105.383 m h = 94.400 m

$\sigma_E = 0.0058 \text{ m}$ $\sigma_N = 0.0045 \text{ m}$ $\sigma_h = 0.0030 \text{ m}$ ($\sigma_{\text{plani}} = 7.4 \text{ mm}$)

Instruction Comp3D : 1 PTB2 658506.663 6860105.383 94.400 0.0058 0.0045 0.0030

Coordonnées géographiques - RGF 93 :

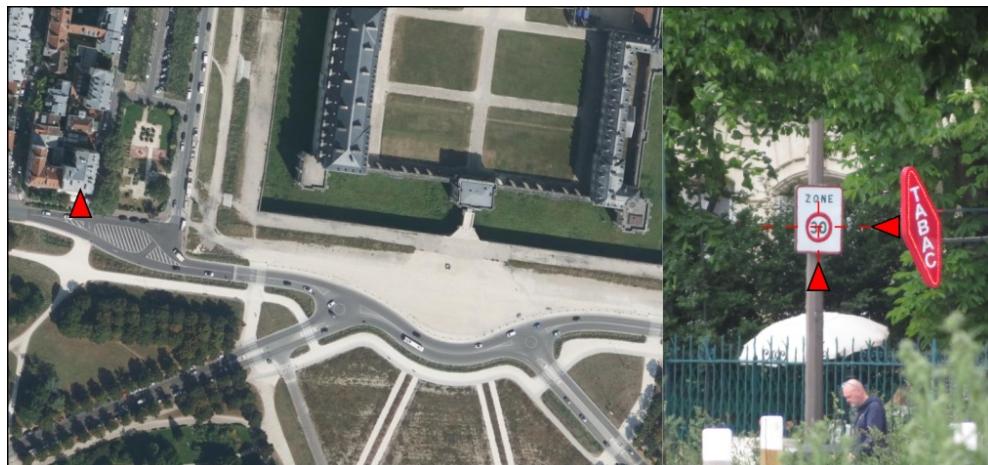
$\lambda = 2.434672326^\circ$ $\varphi = 48.839661694^\circ$ h = 94.400 m

$\lambda_{\text{dms}} = 2^\circ 26' 4.82037''$ $\varphi_{\text{dms}} = 48^\circ 50' 22.78210''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202141.185 m Y = 178669.340 m Z = 4778912.861 m

PZ30



Panneau zone 30 - bureau de tabac - centre du cercle

Coordonnées Lambert 93 - RGF 93 :

E = 658368.200 m N = 6860274.570 m h = 96.802 m

$\sigma_E = 0.0471$ m $\sigma_N = 0.0402$ m $\sigma_h = 0.0084$ m ($\sigma_{\text{plani}} = 61.9$ mm)

Instruction Comp3D : 1 PZ30 658368.200 6860274.570 96.802 0.0471 0.0402 0.0084

Coordonnées géographiques - RGF 93 :

$\lambda = 2.432769334^\circ$ $\varphi = 48.841174276^\circ$ h = 96.802 m

$\lambda_{\text{dms}} = 2^\circ 25' 57.96960''$ $\varphi_{\text{dms}} = 48^\circ 50' 28.22739''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202022.168 m Y = 178524.464 m Z = 4779025.379 m

PZNE



Panneau zone - passage piéton Est - centre du cercle

Coordonnées Lambert 93 - RGF 93 :

$$E = 658654.574 \text{ m} \quad N = 6860142.335 \text{ m} \quad h = 97.912 \text{ m}$$

$$\sigma_E = 0.0087 \text{ m} \quad \sigma_N = 0.0081 \text{ m} \quad \sigma_h = 0.0047 \text{ m} \quad (\sigma_{\text{plani}} = 11.9 \text{ mm})$$

Instruction Comp3D : 1 PZNE 658654.574 6860142.335 97.912 0.0087 0.0081 0.0047

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.436683886^\circ \quad \varphi = 48.840003509^\circ \quad h = 97.912 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 12.06199'' \quad \varphi_{\text{dms}} = 48^\circ 50' 24.01263''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202108.626 \text{ m} \quad Y = 178815.752 \text{ m} \quad Z = 4778940.523 \text{ m}$$

PZNO



Panneau zone - passage piéton Ouest - centre du cercle

Coordonnées Lambert 93 - RGF 93 :

E = 658473.536 m N = 6860206.568 m h = 98.247 m

$\sigma_E = 0.0070$ m $\sigma_N = 0.0057$ m $\sigma_h = 0.0042$ m ($\sigma_{\text{plani}} = 9.0$ mm)

Instruction Comp3D : 1 PZNO 658473.536 6860206.568 98.247 0.0070 0.0057 0.0042

Coordonnées géographiques - RGF 93 :

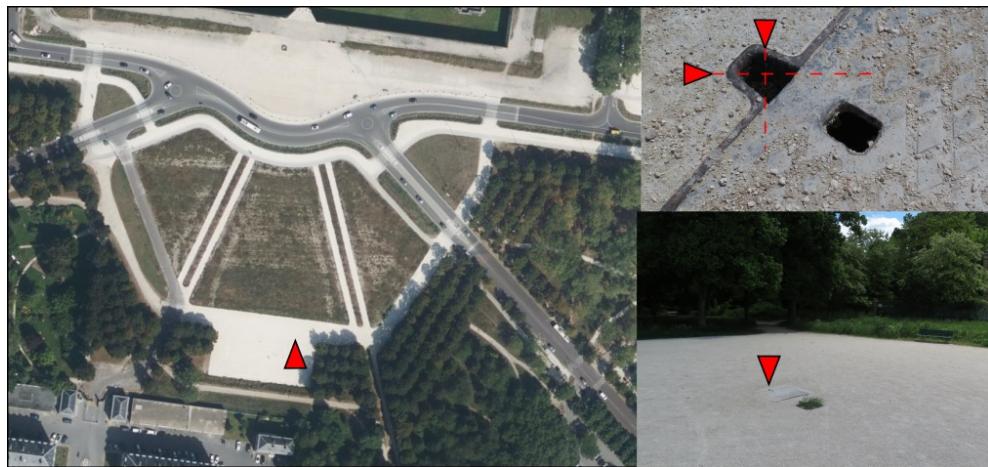
$\lambda = 2.434211126^\circ$ $\varphi = 48.840569530^\circ$ h = 98.247 m

$\lambda_{\text{dms}} = 2^\circ 26' 3.16005''$ $\varphi_{\text{dms}} = 48^\circ 50' 26.05031''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202069.212 m Y = 178632.394 m Z = 4778982.204 m

RGD



Regard - centre encoche Est

Coordonnées Lambert 93 - RGF 93 :

E = 658575.789 m N = 6860073.214 m h = 0.000 m

$\sigma_E = 0.0022$ m $\sigma_N = 0.0043$ m $\sigma_h = 0.0000$ m ($\sigma_{\text{plani}} = 4.9$ mm)

Instruction Comp3D : 7 RGD 658575.789 6860073.214 0.000 0.0022 0.0043 0.0000

Coordonnées géographiques - RGF 93 :

$\lambda = 2.435617243^\circ$ $\varphi = 48.839376843^\circ$ h = 0.000 m

$\lambda_{\text{dms}} = 2^\circ 26' 8.22207''$ $\varphi_{\text{dms}} = 48^\circ 50' 21.75664''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202099.990 m Y = 178737.014 m Z = 4778820.940 m

RNN1



Fenêtre supérieure Ouest - Pavillon de la Reine - croisillon central

Coordonnées Lambert 93 - RGF 93 :

E = 658650.247 m N = 6860277.470 m h = 116.001 m

$\sigma_E = 0.0026 \text{ m}$ $\sigma_N = 0.0028 \text{ m}$ $\sigma_h = 0.0029 \text{ m}$ ($\sigma_{\text{plani}} = 3.8 \text{ mm}$)

Instruction Comp3D : 1 RNN1 658650.247 6860277.470 116.001 0.0026 0.0028 0.0029

Coordonnées géographiques - RGF 93 :

$\lambda = 2.436611804^\circ$ $\varphi = 48.841218517^\circ$ h = 116.001 m

$\lambda_{\text{dms}} = 2^\circ 26' 11.80249''$ $\varphi_{\text{dms}} = 48^\circ 50' 28.38666''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202019.109 m Y = 178806.646 m Z = 4779043.071 m

ROI0



Lucarne Ouest - Pavillon du Roi - coin supérieur gauche

Coordonnées Lambert 93 - RGF 93 :

E = 658505.937 m N = 6860297.459 m h = 123.749 m

$\sigma_E = 0.0029$ m $\sigma_N = 0.0040$ m $\sigma_h = 0.0065$ m ($\sigma_{\text{plani}} = 4.9$ mm)

Instruction Comp3D : 1 ROI0 658505.937 6860297.459 123.749 0.0029 0.0040 0.0065

Coordonnées géographiques - RGF 93 :

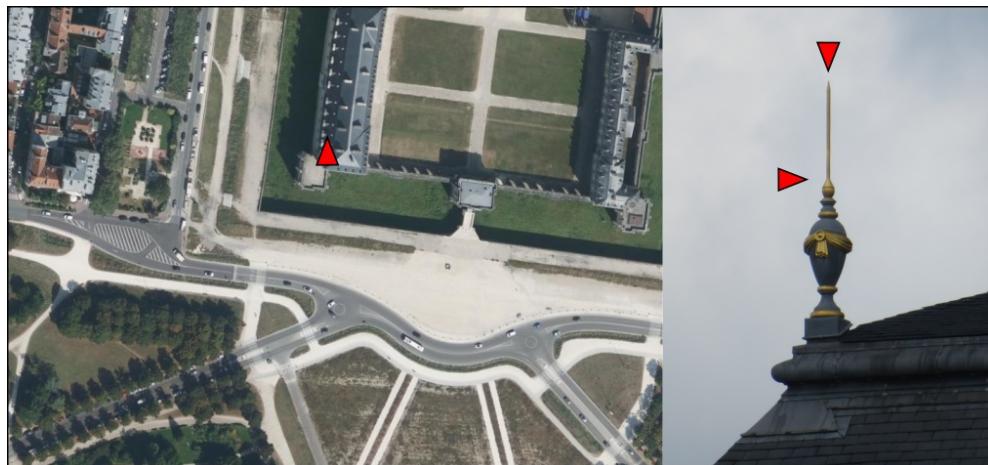
$\lambda = 2.434643705^\circ$ $\varphi = 48.841389009^\circ$ h = 123.749 m

$\lambda_{\text{dms}} = 2^\circ 26' 4.71734''$ $\varphi_{\text{dms}} = 48^\circ 50' 29.00043''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4202016.081 m Y = 178661.918 m Z = 4779061.384 m

ROI1



Pique décorative Ouest - Pavillon du Roi - axe au niveau du centre de l'ovale

Coordonnées Lambert 93 - RGF 93 :

$$E = 658505.665 \text{ m} \quad N = 6860301.359 \text{ m} \quad h = 117.427 \text{ m}$$

$$\sigma_E = 0.0041 \text{ m} \quad \sigma_N = 0.0052 \text{ m} \quad \sigma_h = 0.0066 \text{ m} \quad (\sigma_{\text{plani}} = 6.6 \text{ mm})$$

Instruction Comp3D : 1 ROI1 658505.665 6860301.359 117.427 0.0041 0.0052 0.0066

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.434639618^\circ \quad \varphi = 48.841424061^\circ \quad h = 117.427 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 4.70263'' \quad \varphi_{\text{dms}} = 48^\circ 50' 29.12662''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202009.005 \text{ m} \quad Y = 178661.317 \text{ m} \quad Z = 4779059.190 \text{ m}$$

ROI2



Fenêtre supérieure Est - Pavillon du Roi - croisillon central

Coordonnées Lambert 93 - RGF 93 :

$$E = 658521.396 \text{ m} \quad N = 6860295.483 \text{ m} \quad h = 115.945 \text{ m}$$

$$\sigma_E = 0.0024 \text{ m} \quad \sigma_N = 0.0031 \text{ m} \quad \sigma_h = 0.0028 \text{ m} \quad (\sigma_{\text{plani}} = 3.9 \text{ mm})$$

Instruction Comp3D : 1 ROI2 658521.396 6860295.483 115.945 0.0024 0.0031 0.0028

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.434854511^\circ \quad \varphi = 48.841372234^\circ \quad h = 115.945 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 5.47624'' \quad \varphi_{\text{dms}} = 48^\circ 50' 28.94004''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202011.695 \text{ m} \quad Y = 178677.220 \text{ m} \quad Z = 4779054.280 \text{ m}$$

TMLE



Panneau "Terrain Militaire" Est - Coin supérieur gauche

Coordonnées Lambert 93 - RGF 93 :

$$E = 658586.251 \text{ m} \quad N = 6860040.333 \text{ m} \quad h = 94.932 \text{ m}$$

$$\sigma_E = 0.0029 \text{ m} \quad \sigma_N = 0.0062 \text{ m} \quad \sigma_h = 0.0046 \text{ m} \quad (\sigma_{\text{plani}} = 6.8 \text{ mm})$$

Instruction Comp3D : 1 TMLE 658586.251 6860040.333 94.932 0.0029 0.0062 0.0046

Coordonnées géographiques - RGF 93 :

$$\lambda = 2.435762978^\circ \quad \varphi = 48.839081806^\circ \quad h = 94.932 \text{ m}$$

$$\lambda_{\text{dms}} = 2^\circ 26' 8.74672'' \quad \varphi_{\text{dms}} = 48^\circ 50' 20.69450''$$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

$$X = 4202186.641 \text{ m} \quad Y = 178751.408 \text{ m} \quad Z = 4778870.817 \text{ m}$$

TUBE



Cheminée supérieure 20 av. Franklin Roosevelt, Vincennes : axe au sommet

Coordonnées Lambert 93 - RGF 93 :

E = 658350.126 m N = 6860579.964 m h = 0.000 m

$\sigma_E = 0.0086$ m $\sigma_N = 0.0124$ m $\sigma_h = 0.0000$ m ($\sigma_{\text{plani}} = 15.1$ mm)

Instruction Comp3D : 7 TUBE 658350.126 6860579.964 0.000 0.0086 0.0124 0.0000

Coordonnées géographiques - RGF 93 :

$\lambda = 2.432493189^\circ$ $\varphi = 48.843919550^\circ$ h = 0.000 m

$\lambda_{\text{dms}} = 2^\circ 25' 56.97548''$ $\varphi_{\text{dms}} = 48^\circ 50' 38.11038''$

Coordonnées Earth-Centered Earth Fixed (ECEF) :

X = 4201729.726 m Y = 178491.752 m Z = 4779153.420 m