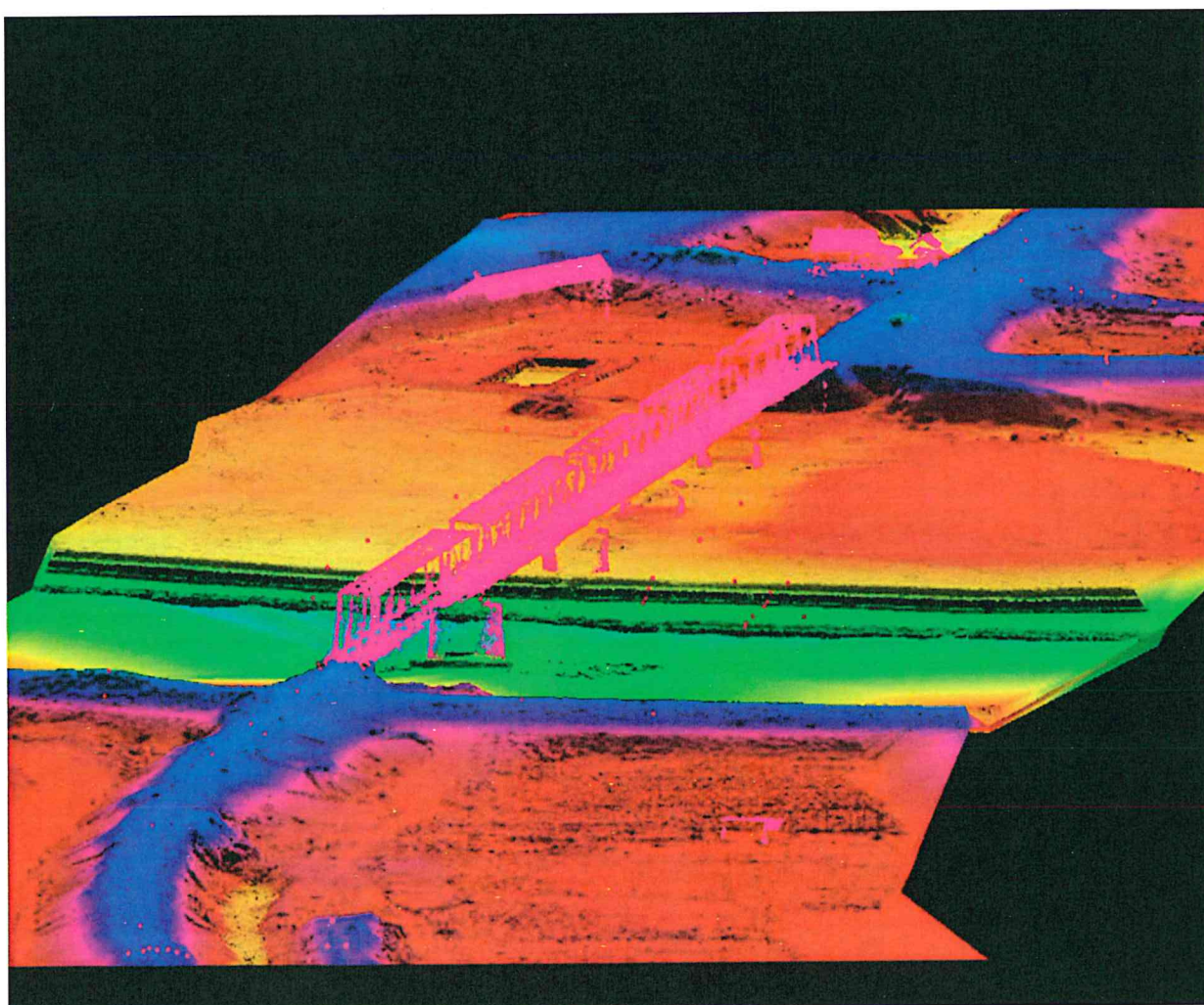




"STUDIU DE FEZABILITATE PENTRU MODERNIZAREA LINIEI FERUVIARE CARANSEBEȘ-TIMIȘOARA-ARAD"

## „Studiu de Fezabilitate pentru Modernizarea liniei feroviare Caransebeș – Timișoara – Arad”



**Executant:**  
**S.C. GEOTER PROIECT S.R.L.**



**Beneficiar:**  
**COMPANIA NAȚIONALĂ DE  
CĂI FERATE „C.F.R.”-S.A**



## FOAIE DE SEMNĂTURI

Lucrarea: Studiu de Fezabilitate pentru modernizarea liniei  
feroviare Caransebeș – Timișoara – Arad






Beneficiar: CNCF „CFR” SA

Proiectant general: CONSIS PROIECT SRL

Proiectant de specialitate: GEOTER PROIECT SRL

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### *DATE GENERALE*

#### NUMELE UNITĂȚII EXECUTANTE:

S.C. GEOTER PROIECT S.R.L.

#### NUMELE BENEFICIARULUI:

COMPANIA NAȚIONALĂ DE CĂI FERATE „C.F.R.”-S.A.

#### OBIECTIVUL LUCRĂRII:

„Studiu de Fezabilitate pentru Modernizarea liniei feroviare Caransebeș – Timișoara – Arad”.

Lucrarea este formată din două părți, una de teren și una de birou, având ca scop realizarea planului de situație pentru modernizarea liniei feroviare Caransebeș – Timișoara – Arad. Măsurătorile în teren au fost efectuate în perioada Aprilie 2016 – N 2016, după care datele au fost prelucrate la birou cu programe special dezvoltate în acest scop.

#### ETAPELE PRINCIPALE

- AMPLASAREA /DESCRIEREA ZONEI LUCRĂRII
- ETAPELE REALIZĂRII RIDICĂRII TOPOGRAFICE DE DETALIU
- VERIFICAREA SI PREDAREA DOCUMENTAȚIEI

## a) AMPLASAREA /DESCRIEREA ZONEI LUCRARIII

### *Generalități*

Linia de cale ferată pe intervalul studiat se desfășoară astfel:

- Caransebeș - Zăgujeni linia este simplă și electrificată;
- Zăgujeni - Căvăran linia este dublă și electrificată;
- Căvăran – Timișoara Nord linia este simplă și electrificată;
- Timișoara Nord – Ronaț Triaș calea ferată are două linii electrificate (218 și 133), la care se adaugă, de la ramificația către Jimbolia, și linia CF 133A (electrificată);
- Ronaț Triaș – Arad Cap X linia este simplă și electrificată.

Tronsonul Caransebeș – Lugoj – Timișoara face parte din Magistrala CFR 100 (București – Orșova – Caransebeș – Timișoara Nord) în lungime de 98 km, a fost dată în exploatare în anul 1876 și electrificată în anul 1975.

Tronsonul Timișoara - Arad face parte din Linia CFR 218 (Timișoara Nord – Arad) în lungime de 55.60 km, a fost dată în exploatare în anul 1871 și electrificată în anul 1975. Linia Timișoara - Arad face legătura între Magistrala 100 și Magistrala 200.



Imag. STATIA CARANSEBES

Din stația Caransebeș (altitudine de 205m) linia coboară prin Valea Timișului, trece prin stația Lugoj (altitudine de 121.50m), apoi străbate Câmpia Banatului din zona canalului Bega până în Timișoara Nord (altitudine 88m), fiind aproximativ paralelă cu drumul național DN 6.

Caransebeș este așezat la zona de contact dintre munte și deal fiind nod feroviar cu legături spre Reșița (43 km) și Bouřari (37 km). Reprezintă punctul de plecare spre complexul turistic Muntele Mic din munții de vest ai Banatului, aflat la altitudinea de 1540 de metri.

"STUDIU DE FEZABILITATE PENTRU MODERNIZAREA LINIEI FERROVIARE CARANSEBEȘ–TIMIȘOARA–ARAD"

De la Caransebeș la Timișoara stațiile deserveșc localități cu caracter preponderent agricol spre vest și forestier spre est.

Lugoj se află la intersecția cu linia Ilia – Buziaș și deservește localitatea cu același nume. Este un important centru cultural, industrial și agricol așezat în Valea Timișului la altitudinea de 121.50 metri.



Imag. STATIA LUGOJ

Municipiul Timișoara este legat de principalele orașe din România dar și de orașe din Europa. Este format din două gări, Timișoara Est respectiv Timișoara Nord.



Imag. STATIA TIMISOARA NORD

"STUDIUL DE FEZABILITATE PENTRU MODERNIZAREA LINIEI FERROVIARE CARANSEBEȘ–TIMIȘOARA–ARAD"

Gara Timișoara Nord este gara principală a orașului și totodată cea mai mare gară din regiunea de vest a României. Timișoara Nord are legături directe cu Budapesta în Ungaria și Belgrad în Serbia. În ceea ce privește transportul de pasageri, Timișoara Nord este una dintre cele mai aglomerate gări din România, de aici operează trenuri ale Căilor Ferate Române, Regio-Trans, iar pentru transportul de marfă în special ale firmei Grup Feroviar Român (GFR).

Din punct de vedere al magistrelor care pornesc din Timișoara, cât și din cel al numărului de trenuri care circulă prin capitala Banatului, Timișoara este al doilea nod feroviar al României, după București. Din Timișoara pornesc o serie de căi ferate distincte, care fac legătura cu orașe aflate atât în România, cât și în Serbia sau Ungaria, iar de acolo, mai departe, cu alte orașe din Europa.

Recaș, Topolovăț, Chizătău și Belinț sunt localități cerealiere așezate pe valea râului Bega. Între Chizătău și Șanovița există o linie ferată îngustă în lungime de 3.6 km, cu ecartamentul de 600 mm, pe care se transportă piatră (granit și bazalt) extrasă din cariera de la Șanovița.

Gavojdia este un centru cerealier de pe Valea Timișului care are legătură cu Munții Poiana Ruscă, situați la nord, printr-o cale ferată industrială îngustă cu ecartamentul de 760 mm în lungime de 24 km până la Nădrag, așezare cu vechi tradiții în metalurgie.

Linia Timișoara - Arad a fost construită de Societatea Căilor Ferate, fiind inaugurată în anul 1871. Traseul se desfășoară de la nord la sud, pe partea de est a Podișului Lipovei, considerat ca o continuare a Munților Poiana Ruscă spre apus, către Câmpia Tisei. Este o linie de câmpie, altitudinile fiind la Arad de 106 m, iar la Timișoara de 88 m.

Aflându-se între două mari orașe, pe linia dintre Arad și Timișoara, traficul de călători și de mărfuri este foarte intens.

Ca stații menționăm:

- a. Sânandrei – este nod feroviar spre Periam;
- b. Băile Calacea – e stația care deservește stațiunea balneară cu același nume, importantă prin apele sale termale cloruro-sodice alcaline;
- c. Vinga – deservește un centru cerealier și legumicol. Aici întâlnim o impozantă biserică catolică construită de etnicii bulgari în anul 1890;

Gara Arad (sau Gara Mare) este cea mai mare gară din municipiul și județul Arad, dar și una dintre cele mai tranzitate din Regiunea de Vest a României. Din gara Arad pleacă și sosesc zilnic peste 100 trenuri de călători către majoritatea localităților din România.



Imag. STATIA ARAD

### *Relieful terenului*

Intervalul CF studiat se încadrează în mai multe zone morfologice care trec de la relieful depresionar și domol caracteristic depresiunilor Caransebeş-Mehadia și Lugoj, la relieful plat de câmpie, caracteristic Câmpiei de Vest.

Traseul căii ferate studiat trece prin următoarele forme de relief:

- depresiuni (Depresiunea Caransebeş-Mehadia, Depresiunea Lugojului);
- câmpii (Câmpia Timişului, Câmpia Vingăi).

Principalele cursuri de apă pe care le intersectează traseul căii ferate sunt:

- Râul Mureş;
- Râul Bega;
- Râul Timiş.



Imag, Raul Mureş

În general, tronsonul Caransebeş – Timișoara – Arad traversează un relief situat în zona de câmpie, aproximativ 70% din lungimea totală a traseului și 30% din acesta în zonă de deal.

De-a lungul traseului, linia are numeroase poduri și podețe, cele mai importante fiind cel construit peste Râul Bega având lungimea de 95 de metri, podul peste Timiş de la Topolovăţ în lungime de 84 de metri și podul peste râul Mureş, de la Arad, cu o lungime de 318 m.

Traseul căii ferate intersectează numeroase artere rutiere.

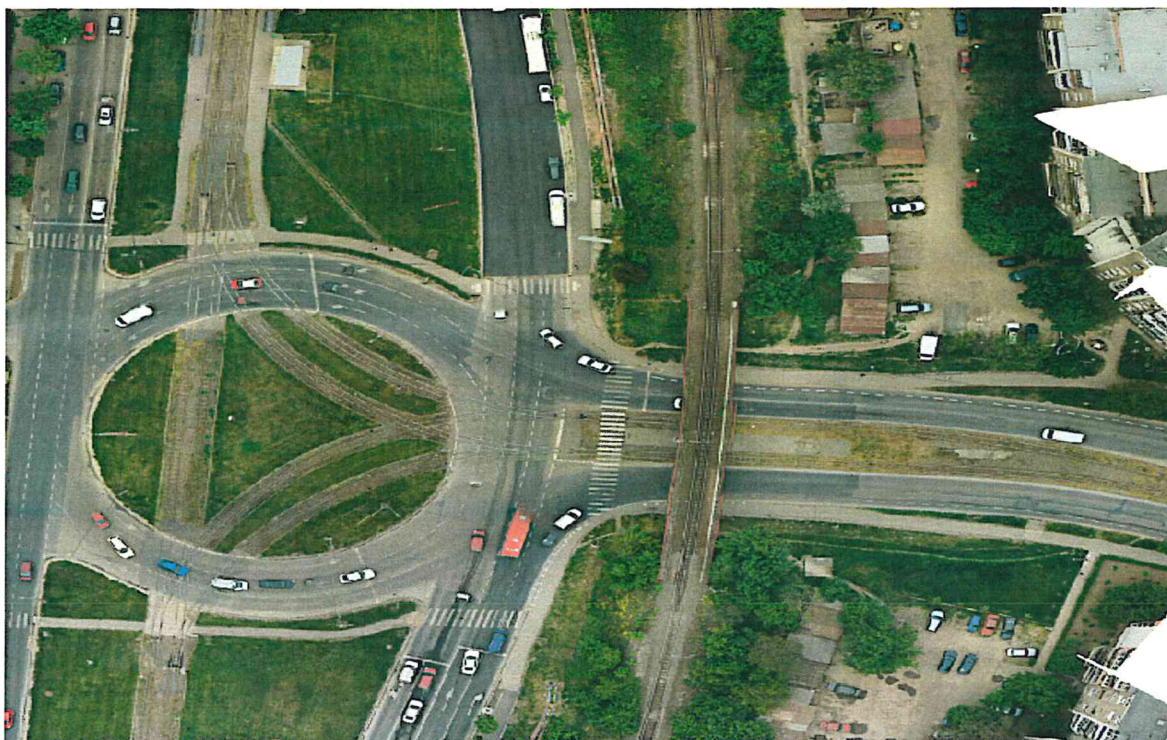


Imag. Drum DN59A



Imag. Calea ferată intersectând artere rutiere

Calea ferată Timișoara-Arad face parte din magistrala CFR 310 Timișoara - Arad - Oradea care leagă cele mai importante municipii din vestul României. Are o lungime totală de 57 km. A fost dată în folosință la data de 6 aprilie 1871. Este o linie simplă, electrificată. Primul proiect pentru realizarea unei căi ferate de la Timișoara la Arad și mai departe la Budapesta, datează din anii 1843-1844, în zorii construcțiilor de căi ferate în Europa. Cel care a elaborat ambițiosul proiect era constructorul de drumuri Friedrich List. El a imaginat o cale ferată cu vagoane trase de cai, însă proiectul său nu a întâmpinat destulă susținere



Imag. Calea ferată în orașul Arad



## b) ETAPELE REALIZĂRII RIDICĂRII TOPOGRAFICE DE DETALIU

### Operații preliminare

Recunoașterea punctelor geodezice: s-a efectuat o recunoaștere a punctelor geodezice existente în zonă pentru încadrarea lucrării în sistemul național Stereografic 1970. Proiectul tehnic de rețea a fost realizat pe hărți scara 1:25.000, pentru localizarea punctelor vechi din rețeaua geodezică națională și planuri scara 1:2000 pentru stabilirea locurilor unde se vor planta buioane metalice.

Proiectarea rețelei topografice de sprijin : punctele de stație au fost astfel amplasate încât să fie asigurată vizibilitatea, pe cât este posibil, față de celelalte puncte ale rețelei, față de punctele geodezice vechi și față de punctele de detaliu.

### Analiza datelor cadastrale ale OCPI

Au fost solicitate OCPI-urilor pe raza cărora se afla obiectivul datele existente în baza de date. Concret au fost solicitate limitele imobilelor ce aparțin beneficiarului și sunt înscrise în evidențele de cadastru și Carte Funciara.

### EFFECTUAREA OBSERVAȚILOR GEODEZICE

#### **Aparatura utilizata:**

- Aparatură LEICA SR530
- 6 stație totală Leica TS02
- 5 calculatoare Intel Core i5
- 4 imprimante (laser și color)
- plotter color cu jet de cerneală
- set de programe profesionale (proprietatea societății) care permit prelucrarea complet automatizată a lucrărilor ;

#### **Rețeaua geodezică de sprijin este compusă din :**

- 4 puncte din Rețeaua Națională de Stații GNSS Permanente(RN-SGP)
- Stațiile permanente utilizate sunt următoarele: RESI, TIM1, FAGE, ARAD, din care prin tehnologie GPS s-au determinat 69 puncte noi
- 69 puncte noi bornate ;

| <b>Metoda de compensare</b>   |                         |
|---|-------------------------|
| <b>- metoda observațiilor indirecte ponderate;</b><br><b>- compensare în bloc pentru triangulație și trilaterație;</b><br><b>- compensare în bloc pentru diferențele de coordonate <math>\Delta x</math> și <math>\Delta y</math></b><br><b>- rețea constrânsă pe punctele vechi.</b> |                         |
| <b>Numărul total de puncte în rețea</b>   | 73                      |
| <b>- puncte vechi</b>   | 4                       |
| <b>- puncte noi</b>   | 69                      |
| <b>Suprafața aproximativă a rețelei :</b>   | 6975.07 km <sup>2</sup> |
| <b>Lungimea medie a unei laturi</b>   | 53658 m                 |

| Nr. punct    | Denumirea punctului | X (m)       | Y(m)        | Z(m)     |
|--------------|---------------------|-------------|-------------|----------|
| Puncte vechi |                     |             |             |          |
| 1            | RESI                | 426168.1060 | 256908.0470 | 256.1150 |
| 2            | FAGE                | 487749.6410 | 280960.4510 | 173.0790 |
| 3            | TIM1                | 482495.1240 | 207132.2490 | 111.6410 |
| 4            | ARAD                | 525763.8290 | 217967.3850 | 124.9700 |
| Nr. punct    | Denumirea punctului | X(m)        | Y(m)        | Z(m)     |
| Puncte noi   |                     |             |             |          |
| 5            | FX01                | 439235.2099 | 280717.1579 | 204.5000 |
| 6            | FX02                | 440039.9122 | 280552.7662 | 203.0600 |
| 7            | FX03                | 442363.7768 | 279958.9018 | 194.2300 |
| 8            | FX04                | 445656.6763 | 279038.1113 | 178.5100 |
| 9            | FX05                | 446222.7015 | 278751.7595 | 179.1200 |
| 10           | FX06                | 448907.5583 | 278257.7973 | 175.2100 |
| 11           | FX07                | 453293.8856 | 276960.9516 | 162.1200 |
| 12           | FX08                | 453841.5576 | 276799.2286 | 161.9700 |
| 13           | FX09                | 456648.4338 | 274718.3308 | 153.9800 |
| 14           | FX10                | 458689.9020 | 272421.2310 | 148.1000 |
| 15           | FX11                | 458892.8632 | 272120.1122 | 147.7000 |
| 16           | FX12                | 460869.4725 | 269538.1845 | 143.0700 |
| 17           | FX13                | 462414.3624 | 268153.6674 | 139.6400 |
| 18           | FX14                | 462758.5262 | 267649.7412 | 138.6900 |
| 19           | FX15                | 465660.5123 | 263831.9383 | 130.5700 |
| 20           | FX16                | 465884.8046 | 263262.2246 | 129.6500 |
| 21           | FX17                | 467245.2436 | 260686.6526 | 123.6200 |
| 22           | FX18                | 468962.6196 | 258620.6306 | 121.9200 |
| 23           | FX19                | 469538.4710 | 258109.2390 | 121.4000 |
| 24           | FX20                | 470833.7692 | 256851.4272 | 118.3200 |
| 25           | FX21                | 474619.6923 | 253155.4433 | 114.5200 |
| 26           | FX22                | 474789.8611 | 252946.8641 | 113.0800 |
| 27           | FX23                | 475878.3750 | 251950.6590 | 111.2200 |
| 28           | FX24                | 476648.7932 | 248717.1052 | 111.0400 |
| 29           | FX25                | 476755.5005 | 248126.4865 | 109.9700 |
| 30           | FX26                | 477441.0986 | 244874.9006 | 109.9700 |
| 31           | FX27                | 477547.5620 | 244269.1400 | 108.5400 |
| 32           | FX28                | 478104.2589 | 241369.9979 | 103.8700 |
| 33           | FX29                | 479826.0223 | 238561.4093 | 103.9100 |
| 34           | FX30                | 479846.7971 | 237782.3411 | 103.5400 |
| 35           | FX31                | 481773.4991 | 231826.8471 | 100.0300 |
| 36           | FX32                | 483090.5695 | 227490.4085 | 98.8100  |
| 37           | FX33                | 483160.5202 | 226681.1102 | 98.2400  |
| 38           | FX34                | 483052.6653 | 220612.4693 | 100.9800 |

| Nr. punct | Denumirea punctului | X(m)        | Y(m)        | Z(m)     |
|-----------|---------------------|-------------|-------------|----------|
| 39        | FX35                | 482749.8975 | 217477.2905 | 99.6100  |
| 40        | FX36                | 482680.6309 | 216820.3269 | 98.7500  |
| 41        | FX37                | 481932.8598 | 212253.5418 | 90.2800  |
| 42        | FX38                | 481507.0210 | 208967.5520 | 90.9100  |
| 43        | FX39                | 481037.6121 | 208195.2221 | 91.0200  |
| 44        | FX40                | 479522.3577 | 205360.6397 | 88.9400  |
| 45        | FX41                | 479150.6279 | 203904.4979 | 88.1600  |
| 46        | FX42                | 480838.8808 | 202934.7708 | 86.5200  |
| 47        | FX43                | 484255.0009 | 202264.4759 | 90.0300  |
| 48        | FX44                | 485072.5929 | 202089.2889 | 91.2100  |
| 49        | FX45                | 487732.7933 | 201535.4163 | 89.8100  |
| 50        | FX46                | 490253.8421 | 201126.2021 | 93.0300  |
| 51        | FX47                | 491106.8455 | 201166.3285 | 95.1500  |
| 52        | FX48                | 497054.3640 | 203090.5630 | 126.3200 |
| 53        | FX49                | 497590.9998 | 203192.0948 | 126.4300 |
| 54        | FX50                | 502663.0587 | 204795.9897 | 123.0100 |
| 55        | FX51                | 503235.4066 | 205015.9476 | 122.8100 |
| 56        | FX52                | 507947.3000 | 205157.8330 | 102.4500 |
| 57        | FX53                | 508722.7116 | 205728.7616 | 104.9000 |
| 58        | FX54                | 509353.1074 | 206397.1994 | 105.6200 |
| 59        | FX55                | 513260.7577 | 211525.8607 | 132.5300 |
| 60        | FX56                | 513574.4900 | 211930.3760 | 133.5600 |
| 61        | FX57                | 514254.1711 | 212765.7281 | 128.1500 |
| 62        | FX58                | 517121.9648 | 214808.6548 | 141.9500 |
| 63        | FX59                | 517608.6316 | 215007.9096 | 138.9100 |
| 64        | FX60                | 518611.5147 | 215454.9497 | 133.2100 |
| 65        | FX61                | 522132.5337 | 216872.0507 | 114.9800 |
| 66        | FX62                | 522357.5714 | 216960.6954 | 114.6900 |
| 67        | FX63                | 522716.9968 | 217105.5648 | 114.5600 |
| 68        | FX64                | 522946.8719 | 217247.6579 | 113.3000 |
| 69        | FX65                | 524750.7643 | 217490.0213 | 109.7000 |
| 70        | FX66                | 525029.7502 | 217812.2452 | 108.9500 |
| 71        | FX67                | 525667.7582 | 218260.6462 | 108.1800 |
| 72        | FX68                | 526551.0667 | 217662.4567 | 110.4600 |
| 73        | FX69                | 526871.5850 | 217199.2950 | 110.3200 |

În urma prelucrării rețelei topografice, s-a constatat că punctele de stație asigură precizia cerută de beneficiar.

**Efectuarea măsurătorilor clasice ;**

Aparatura folosită pentru efectuarea măsurătorilor de teren este de tipul stație totală Leica TS02 (6 aparat) ce asigură o precizie de 2cc pentru direcții și 2 mm pentru distanțe.

Pentru legarea rețelelor la sistemul național de proiecție, s-au folosit cele stațiile permanente din zona Direcțiile orizontale au fost măsurate prin metoda turului de orizont cu două serii, reducându-se la o direcție de referință (de obicei punctul cel mai depărtat). S-au obținut astfel două valori pentru fiecare direcție.

Distanțele au fost măsurate dus-întors, fiecare de 2 ori, iar în compensare a fost introdusă media.

Unghiurile zenitale s-au măsurat de 2 ori către fiecare punct vizat. Având 2 valori, s-a făcut o medie a acestora. De asemenea, având unghiurile zenitale reciproce între stații s-au putut calcula 4 diferențe de nivel.

În fiecare stație a fost măsurată înălțimea aparatului cu o precizie de  $\pm 0,5$  cm și s-a notat înălțimea punctului vizat pentru a obține valoarea corectă a diferenței de nivel.

Prin punct caracteristic sau radiat se înțelege un punct în care se schimbă direcția orizontală a unui obiect sau se modifică panta terenului. Mai simplu, sunt punctele care compun un obiect (construcție, drum, spațiu liber, conducte, etc.) sau definesc configurația curbilor de nivel. Aceste puncte au fost radiate din cele 4 puncte ale rețelei geodezice de sprijin determinate GPS și transcalculate cu programul TRANSDAT. Aceste puncte caracteristice li se vor calcula coordonate  $x, y, h$ . De obicei aceste puncte sunt simplu radiate, adică se înregistrează doar o singură dată coordonatele. Atunci când unul din aceste puncte interesează în mod special, atunci este înregistrat de două ori. A doua oară se oprește legătura cu sateliții prin acoperirea receptorului și apoi se reinițializează. În acest mod punctul va avea două determinări independente. Se măsoară atât elemente care definesc elemente ale reliefului cât și elemente de identificare a proprietății (limite de parcele, limite de țară, drumuri existente, etc).

### Realizarea Măsurătorilor RTK :

Măsurătorile au fost efectuate cu un aparat GPS de tip Leica. Sistemul de coordonate folosit la ridicările topografice este STEREOGRAFIC1970. Prezentare generală a tehnologiei GPS cu transmiterea datelor prin undă radio UHF (Real-Time = timp real).

#### Principiu

Principiul sistemului GPS diferențial constă în observarea erorilor de măsurare a pseudodistanțelor privind fiecare satelit observabil într-un punct de referință a cărui poziție este cunoscută cu precizie în sistemul WGS84. Observarea acestor erori permite stabilirea corecțiilor care sunt radio-difuzate, așa încât de ele să beneficieze utilizatorii (stațiile mobile) care evoluează în zona de interes din jurul stației de referință. Cele mai performante sisteme de transmitere a corecțiilor prin radio, la ora actuală, permit ca aceste corecții să fie transmise până la distanțe de 45-50 km față de stația de referință, în condiții bune de propagare a undelor radio. Această distanță poate fi depășită cu ajutorul utilizării sistemului de telefonie mobilă pe post de transmisie a corecțiilor. Problema care apare este legată de faptul că atât stația fixă, care transmite corecțiile cât și stația mobilă, trebuie să vadă aceeași minim patru sateliți. Din acest motiv, distanța între cele două receptoare nu poate fi marită foarte mult.

Cauzele principale ale erorilor de măsurare în sistemul GPS sunt:

- erorile privind estimarea intervalelor de timp pentru propagarea datelor GPS;
  - erorile legate de informațiile transmise prin satelit privind:
    - ceasul satelitului;
    - datele orbitale;
  - erorile voluntare provocate prin degradarea voluntară a sistemului GPS, urmărind să diminueze performanțele sistemului pentru utilizatorii care nu au acces la serviciul de poziționare precisă; metodele diferențiale (stație de referință + stație mobilă) asigură și corectarea acestor erori voluntare;
- Toate aceste erori sunt corelate pe toată suprafața zonei de interes și sunt corectate prin acest sistem diferențial cu transmiterea datelor prin undă radio UHF.

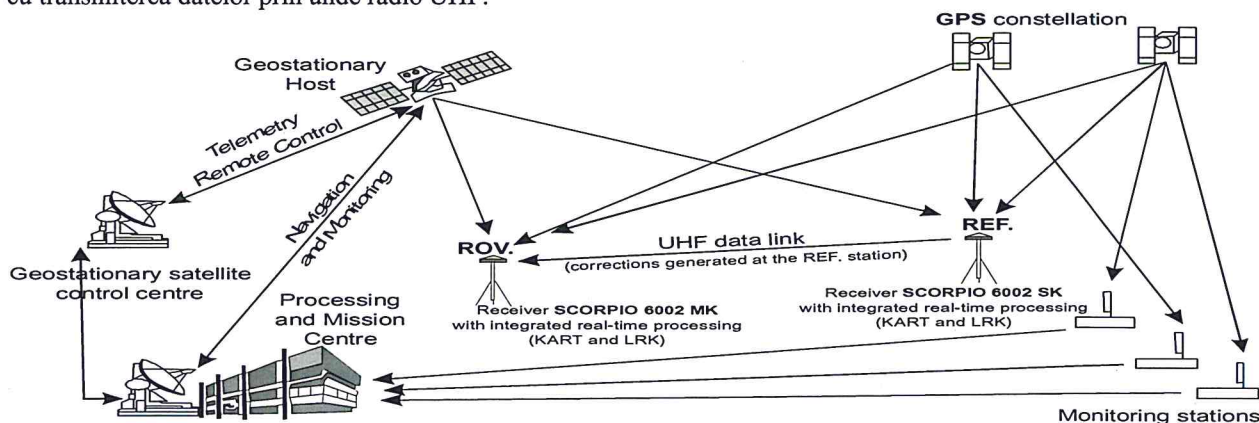


Fig.1. Transmiterea datelor prin unde radio UHF

Transmiterea corecțiilor către utilizatori trebuie să se facă, în cazul unui sistem „timp real”, printr-o asemenea modalitate încât:

- să acopere întreaga zonă de interes;
- să asigure o fiabilitate a transmisiei compatibilă cu calitatea necesară;

#### Calculul corecțiilor la stația de referință și recepția acestora la stația mobilă

Calculul corecțiilor se face printr-un modul receptor, echipat cu 12-24 canale paralele de recepție, permițând să se calculeze simultan corecțiile de la 12-24 sateliți.

Modulul receptor calculează pentru fiecare satelit:

- diferența dintre distanța măsurată și distanța teoretică obținută pornind de la datele efemeridelor și de la poziția cunoscută a antenei GPS de la stația de referință;
- viteza evoluției corecției;

Corecțiile sunt calculate la fiecare 0,6 secunde pentru toți sateliții și sunt transmise la unitatea centrală care gestionează emisia pe suportul UHF.

Un mesaj de corecție transmis la unitatea centrală de către modulul receptorului GPS cuprinde:

- numărul săptămânii;
- contorul Z, care permite să se dateze cu precizie fiecare corecție în scara de timp GPS;
- pentru fiecare satelit:
- indicarea schimbării efemeridelor;
- corecția observată (maxim ±9.999.999 milimetri);
- viteza evoluției corecției (maxim ±999 mm/s);
- numărul satelitului (SV. 0-31);
- corecția ionosferică calculată la stația de referință (centimetri);
- corecția troposferică calculată la stația de referință (centimetri);

Frecvența de emisie poate fi programată prin pași de 12,5 kHz, într-o bandă de ±4MHz în raport cu frecvența nominală a stației.

Mesajul de corecție, care poate conține corecții pentru maxim 12/24 sateliți, este primit printr-un receptor UHF, care transmite corecțiile receptorului GPS al mobilului unde ele sunt decodate printr-un modem. Receptorul GPS al mobilului aplică corecțiile diferențiale măsurătorilor sale proprii de pseudo-distanțe, pentru fiecare satelit astfel:

$$PR_t = PRM_t - PRC_t \quad (1.1)$$

unde:

- $PR_t$  = pseudodistanța corectată la timpul  $t$ ;
- $PRM_t$  = pseudodistanța măsurată de receptorul mobilului;
- $PRC_t$  = corecția pseudodistanței transmise de stația de referință;

Erorile ionosferice și troposferice, calculate de stația de referință, sunt incluse în termenul  $PRC_t$

#### Calculul coordonatelor punctelor determinate GPS în timp real.

După cum se știe, calculul coordonatelor punctelor determinate GPS se poate face în două moduri, în funcție de tipul tehnologiei GPS utilizate: clasică (cu post-procesarea datelor) sau cu transmiterea datelor în timp real prin unde radio UHF (*real-time*). Prelucrarea înregistrărilor GPS se face în funcție de tipul datelor înregistrate de la sateliți, care pot avea o singură frecvență (L1) sau două frecvențe (L1 și L2).

În Fig. 1 și 2 sunt prezentate exemple de calcul ale unor măsurători.

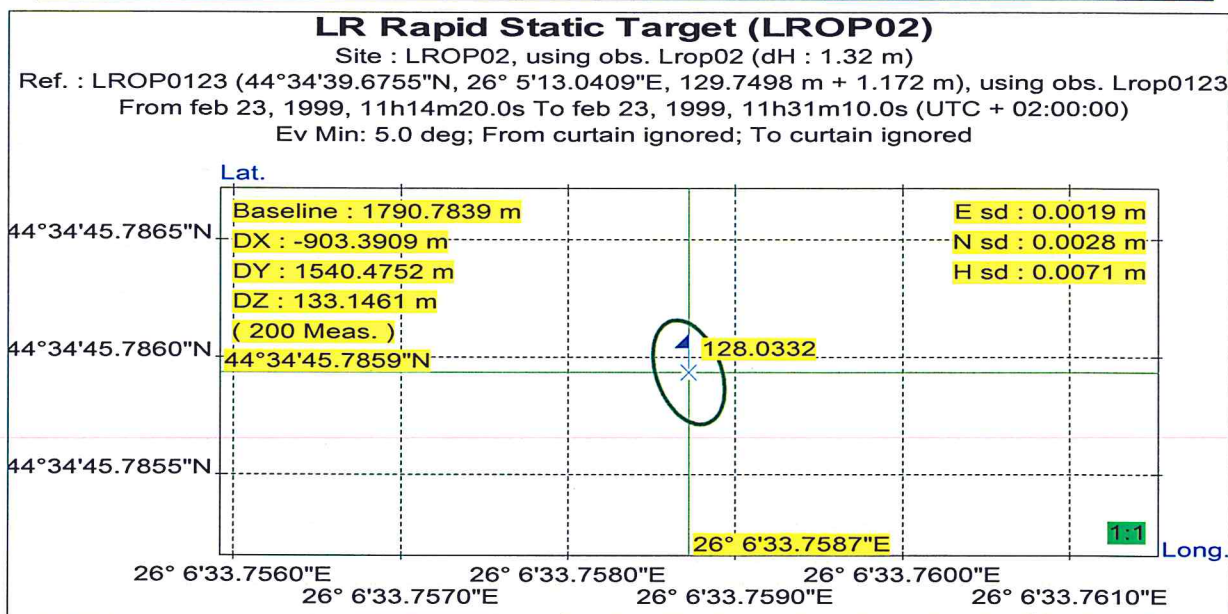


Fig. 1. - Calculul coordonatelor punctului LROP02 prin procedeul LR Rapid Static

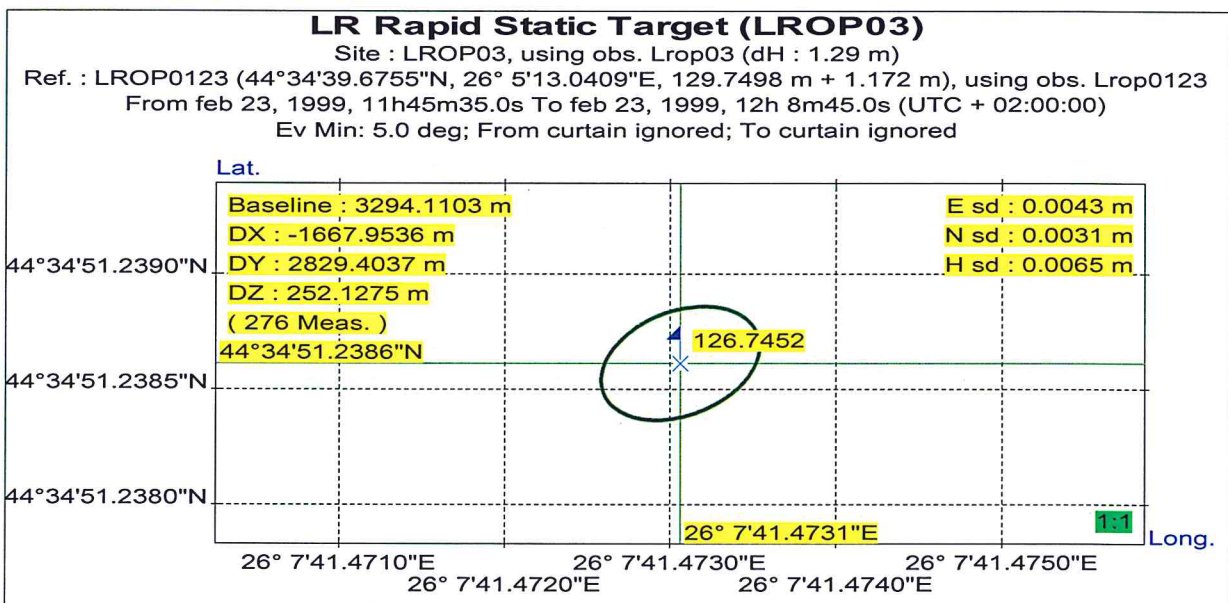


Fig.2.- Calculul coordonatelor punctului LROP03 prin procedeul LR Rapid Static

Din Fig. 1 se observa ca prelucrările înregistrărilor efectuate au condus pentru punctul LROP02 la o precizie de determinare de 1,9 mm pe latitudine, 2,8 mm pe longitudine și 7,1 mm pe cota. Din Fig. 3 se observa ca pentru punctul LROP03 preciziile de determinare sunt apropiate: 4,3 mm pe latitudine, 3,1 pe longitudine și 6,5 mm pe cota.

Utilizând aparatura cu transmiterea datelor prin unde radio, în timp real, coordonatele sunt obținute direct la teren și GPS-Tisate pe ecranul *palm-top*-ului.

După efectuarea inițializării stației secundare (durata 1,2,3 minute), se poate trece la efectuarea măsurătorilor în regim *real-time*. Există două metode de măsurare:

1. metoda înregistrării individuale a fiecărui punct măsurat (durata 1,2,3 secunde la fiecare punct);
2. metoda *traiectoriei (în mers)*, care presupune înregistrări la un anumit interval de timp sau la o anumită distanță, după cum dorește operatorul.

Metoda traiectoriei GPS își găsește aplicație în executarea benzilor de studii pentru drumuri, cai ferate, canale, diguri, rețele de înaltă tensiune) precum și la delimitarea cadastrală a teritoriilor administrative a comunelor și a intravilanului componente. De asemenea, este foarte utilizată la trasări sau căutarea unui punct

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cu coordonate date. Se introduc coordonatele punctului de determinat în memoria GPS-ului si, când se da căutare, pe ecranul *palm-top*-ului apare distanța către punctul căutat si orientarea. La căutare, receptorul emite semnale acustice funcție de apropierea sau depărtarea de punctul căutat.

Coordonatele obținute la teren, sunt în mod implicit GPS-Tisate în sistemul WGS84, însă exista posibilitatea GPS-Tisarii lor în sistemul StereogrGPS-Tic 1970, dacă se încarcă un proiect adecvat, care sa cuprindă cei 7 parametri de transformare Helmert pentru zona de lucru. Acești parametri se pot obține apriori, pe baza unor puncte comune, cu coordonate atât în WGS 84 cât si în Stereo 70.

Aceste coordonate urmează a fi transformate din sistemul WGS84 în sistemul geodezic național Stereografic 1970 prin utilizarea programului TRANSDAT.

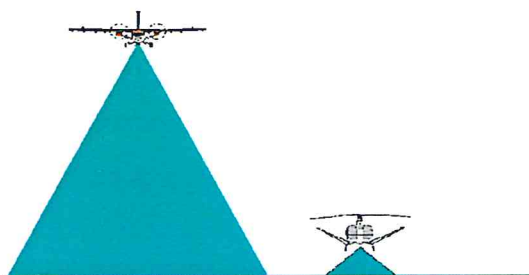
### Integrare date existente (date LIDAR)

Achiziționarea datelor necesare pentru studii topografice eficiente folosind tehnicile clasice de topografie si/sau fotogrammetrie este dificilă, de durată, insuficientă si, în anumite cazuri, nu asigură precizia cerută din cauza interpolării între două măsurători. Practic, între două profile terenul poate fi oricum. Cu ajutorul sistemului descris aici, informația este completă si riguroasă. În plus, productivitatea este de aproximativ 100 de km pe zi. Densitatea mare de puncte laser ne oferă toate informațiile necesare pentru a identifica si a clasifica toate elementele fizice.



Senzori Tehnologiei LiDAR aeropurtată de mare densitate este o inovație a tehnicilor de detectare prin senzori la distanță care a depășit toate barierele tehnicilor de survolare tradiționale. În special pentru coridoare lungi, precum străzi, terasamente, căi ferate, linii de înaltă tensiune si bazine hidrografice, altimetria laser oferă o nouă metodă de survolare pentru a culege date detectate prin senzori într-un mod rapid. În mod special, tehnologiile LiDAR care operează la altitudine joasă (50-450m) si la mică viteză (50 km/oră) reprezintă un instrument de survolare profesională ce poate concura cu metodele de survolare tradiționale întrucât este precis (3-8 cm precizie absolută în X,Y,H - altitudinea), sigur, rapid (100-150 km/zi) si foarte eficient.

Sistemul FLI-MAP (Fast Laser Imaging and Mapping Airborne Platform), poate furniza o precizie suficientă în survolările din topografie si inginerie. Densitatea mare de puncte (10-30 puncte/m<sup>2</sup>), datele extrem de precise ale sistemului FLI-MAP, împreună cu acoperirea cu imagini a coridorului survolat, permit cartografierea tuturor datelor ce se află de-a lungul oricărui coridor existent sau teoretic.



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Cartografierea unei străzi existente, de exemplu, poate fi făcută în cel mai mic detaliu, inclusiv semne de circulație, marcaje, bariere, terasamente, linii de înaltă tensiune ce trec pe deasupra străzilor etc. De asemenea, poate prelua date și de sub copaci datorită celor două camere video, amplasate vertical și oblic. Practic, fiecare punct de la sol este o intersecție a trei drepte. Un pachet special de procesare furnizează algoritmi de filtrare și funcționalitate CAD, în afară de date laser și imagini foto și video sincronizate. Toate acestea oferă operatorului posibilitatea suplimentară de a extrage informații valoroase din datele LiDAR.

Această informație extrasă poate fi ușor încorporată în pachete software GIS sau CAD specifice. Recentele dezvoltări din software se concentrează asupra programelor de filtrare automată și asupra posibilității de a produce imagini ortorectificate și georeferențiate.

### Sistemul FLI-MAP



Autogir cu prototipul FLI-MAP

Acronimul FLI-MAP înseamnă Fast Laser Imaging and Mapping Airborne Platform (Laser pentru captare de imagini și produse cartografice pe platformă aeropurtată)

Conceptul de a cartografia cu sistemul laser FLI-MAP a fost dezvoltat și testat pentru prima dată cu un laser de scanare pe un autogir în anul 1992. După analizarea datelor, era evident că obiectele puteau fi identificate în datele LiDAR. Cercetările au continuat în vederea conceperii unui sistem în scopuri comerciale.

FLI-MAP 1 a devenit funcțional în 1995 ca un sistem fix amplasat la un elicopter Schweizer. FLI-MAP 2, un sistem mobil apt de a se potrivi unui mare tip de elicoptere, a înlocuit prima generație de sistem în 1999. Astăzi, patru sisteme mobile cu capacitate îmbunătățită de a capta imagini funcționează în întreaga lume: John Chance Land Surveys ale lui Fugro funcționează în America de Nord și de Sud, iar lui Fugro-Inpark îi revine regiunea din Emisfera de Est. Echipe de dezvoltare și cercetare interne continuă să identifice posibilități de mărire a preciziei, a calității și a aplicațiilor sistemului FLI-MAP, adeseori ca răspuns direct la nevoile cerute de clienți.

### Descrierea sistemului

Sistemul FLI-MAP integrează câteva componente high-tech într-un instrument de survolare extrem de eficient. Toate componentele sistemului sunt de cea mai înaltă calitate și sunt modernizate în mod regulat cu scopul de a menține cele mai ridicate standarde.

Cele două componente pot fi diferențiate: componenta aeropurtată și componenta terestră. Ambele sunt de extremă importanță pentru operațiunile cu FLI-MAP.

### Componenta aeropurtată

Componenta aeropurtată a sistemului FLI-MAP este constituită de un cadru atașat unui elicopter, o unitate de computerizare și o interfață pentru pilot. Cadrul conține toți senzorii. Acești senzori sunt conectați la unitatea de computerizare din



Unitate de computerizare în interiorul elicopterului



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elicopter printr-un "cordon ombilical". Unitatea de computerizare conține mai multe computere conectate între ele într-o rețea. Aceste computere au sarcina de a încărca datele obținute, de a computeriza informația de navigare în timp real și de a furniza feed-back pilotului cu privire la ruta de zbor folosind o interfață specială. Întregul sistem este controlat și monitorizat de către un operator care folosește un computer portabil conectat la rețeaua unității de computerizare. Întrucât toți senzorii sunt poziționați într-un singur cadru, toate pozițiile dintre senzori sunt fixate. Aceste poziții sunt calibrate în mod atent, făcând măsurători adiționale de control după montarea tuturor echipamentelor.

### Componenta terestră

Componenta terestră a sistemului FLI-MAP constă în mai multe stații de bază și computere de procesare. Stațiile de bază conțin antenă și receptor GPS, furnizează energie și permit încărcarea datelor. În timpul survolării aceste stații încarcă datele GPS în puncte de referință cu coordonate cunoscute.

Computerele de procesare vor fi folosite pentru a verifica și asigura toate datele culese de stațiile de bază și sistemul aeropurtat, pentru a efectua calcule de referință GPS și integrare INS/GPS și pentru a analiza calitatea datelor obținute.

### GPS

Cadrul FLI-MAP este echipat cu două brațe pe care sunt așezate antenele GPS. Această construcție minimizează zgomotul, efectele multipath și posibilele obstrucții ale semnalului GPS date de motorul elicopterului. Faptul că se folosesc două antene GPS permite ca datele de satelit să poată fi primite permanent, fără a exista riscul blocării. De asemenea, se introduce redundanța, ceea ce contribuie la precizia poziției determinate. Datele GPS sunt încărcate de două ori pe secundă, atât de sistemul aeropurtat, cât și de stațiile de bază.



Lângă antenele GPS este separat așezată o antenă Omnistar. Omnistar este un serviciu creat de Fugro care furnizează corectări D-GPS precise în timp real. Folosind semnalul Omnistar, FLI-MAP poate fi navigat de-a lungul liniilor de zbor predefinite, independent de serviciile D-GPS disponibile local sau de legăturile de radio cu stațiile de bază.

### INS

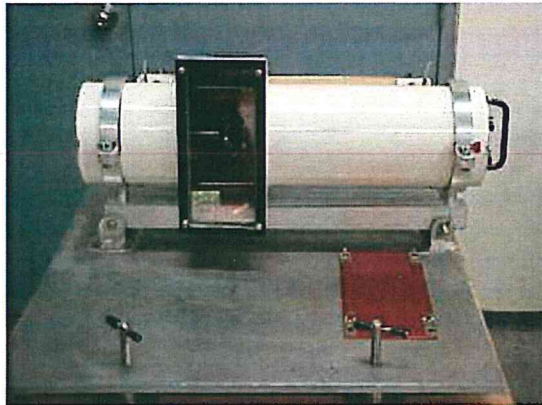
Poziția sistemului este determinată la o viteză de 200 de ori pe secundă de un dispozitiv IMU (Unitate de Măsurare Inertială). IMU este așezat pe cadrul FLI-MAP și este capabil de a determina cu acuratețe orientarea sistemului în spațiu măsurând rotațiile celor trei axe spațiale (Roll, Pitch și Heading), precum și vitezele și accelerațiile în trei dimensiuni.

Aceste măsurători sunt folosite de către sistemul INS (Sistemul de Integrare Inertial) integrat pentru a calcula altitudinea exactă a elicopterului.

Poziția calculată și altitudinea IMU sunt integrate folosind tehnicile de filtrare Kalman (Applanix-PosProc). Rezultatul acestui proces este o poziționare și altitudine exactă a sistemului la fiecare 0.02 secunde (50 de ori pe secundă)

### Scannerul laser

Sistemul FLI-MAP foloseşte două lasere de scanare care au funcţia de a asigura redundanţa şi de a garanta precizia şi calitatea datelor. Laserele de scanare nu sunt dăunătoare vederii, iar dispozitivele fără reflector de măsurare a razei au capacitatea de a măsura primele raze de întoarcere de la 15-200 de metri. Fiecare scanare a ambelor lasere face 200 de măsurători de 60 de grade şi, prin urmare, acoperirea este aproximativ egală cu



Dispozitiv laser FLI-MAP

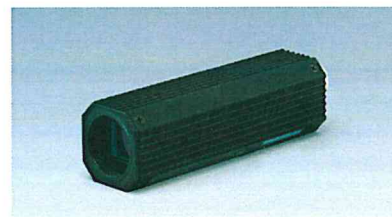
altitudinea aparatului de zbor deasupra pământului. Fiecare înregistrare de scanare conţine timpul, altitudinea laserului, informaţie cu privire la verificarea de date/detectări de eroare, informaţii cu privire la intensitate, ceea ce oferă capacitatea activă de captare de imagini prin infraroşii. Din punct de vedere operaţional, scanarea cu laser se realizează de 53 de ori pe secundă (baleieri), de unde rezultă mai mult de 21 000 puncte pe secundă.

Densitatea de puncte cerută este calculată conform cerinţelor clienţilor şi variază între 4 puncte laser pe metru pătrat la altitudini foarte mari şi peste 25 de puncte pe metru pătrat dacă se doresc detalii şi survolări foarte precise şi la altitudini joase. Razele laser sunt orientate la 7

grade în faţă şi în spate. În acest mod efectele de umbră sunt minimizezate. Fiind lasere tip Clasa 1 nu dăunează în nici un fel vederii. De altfel, în timpul zborului nu este necesară nici un fel de precauţie sau măsură de siguranţă în privinţa laserelor.

### Video

Două camere video digitale, bine fixate, sunt folosite în sistem pentru a identifica obiecte de-a lungul coridorului survolat. Videoul este are încorporat timpul GPS şi convertit la bord într-un flux video digital MPEG1 care este înregistrat pe discuri hard. Viteza biţilor poate fi configurată între 1.2 – 3 Mbiti pe secundă. O cameră este poziţionată în faţă, în unghi oblic. Cealaltă este poziţionată în jos şi arată în linii generale zona acoperită de către laser.



Video

Folosind sincronizarea şi poziţiile cunoscute între senzori, video-ul poate fi combinat cu datele laser pentru a furniza imagini georeferenţiate, cu pixeli corecţi pentru diferenţele de înălţime locale.

### Camere foto

Două camere foto digitale de mare rezoluţie ½ " CCD sunt aşezate lângă camerele video, fiind orientate în faţă şi în jos. Ambele camere încorporează o interfaţă IEEE 1394 Firewire şi sunt configurate pentru a capta o imagine la intervale regulate. În mod normal, acest lucru se întâmplă o dată la fiecare secundă, dar se poate seta pentru o imagine la fiecare două secunde sau mai puţin. Rezoluţia imaginii obţinute într-o misiune tipică este de 3-5 cm pe pixel şi depinde de altitudinea survolului.

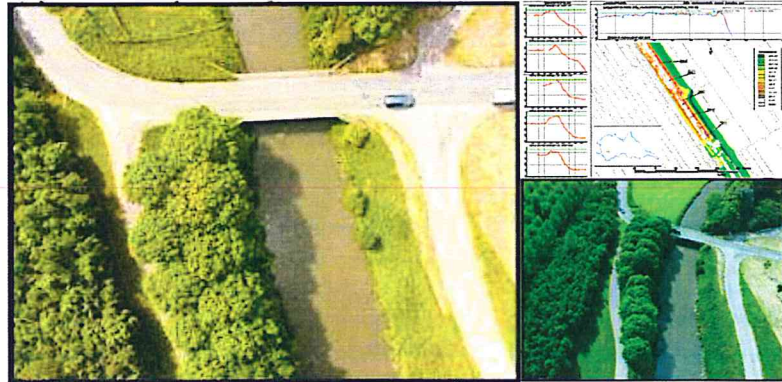


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Imaginile sunt stocate într-un format de date neprelucrate pe hard discuri și pot fi ortorectificate în birou. Folosind o caracteristică îmbunătățită de captare a imaginilor, aceste imagini ortorectificate pot fi folosite pentru construirea de mozaicuri în Software-ul de Procesare FLIP7 a lui Fugro. Aceste imagini pot fi folosite și de alte pachete de software care construiesc mozaicuri.

### Coordonate LiDAR

Coordonatele (WGS84) calculate ale căii de zbor (50 de ori pe secundă) sunt transformate în sistemul de coordonate local ale rețelei geodezice de control de la sol utilizând programe de transcalcul de coordonate în proiecțiile utilizate local. Coordonatele punctelor laser sunt la rândul lor calculate prin combinarea coordonatelor căii de zbor cu parametrii de configurare a sistemului și razele laser măsurate de către scannerul laser.



Această procesare a datelor LiDAR din raze în coordonate în sistemul de coordonate local este făcut folosind FLIP7. FLIP7 este dezvoltat de Fugro pentru a procesa, a analiza și manipula datele LiDAR ale sistemului FLI-MAP.

În timpul procesării LiDAR cu FLIP7 pot fi aplicate filtre speciale pentru a optimiza output-urile datelor în scopuri specifice. Datele LiDAR pot fi exportate în diferite formate, precum .dxf, ASCII X,Y,Z sau orice alt format acceptat în domeniu.

### Elicopterul

FLI-MAP este certificat pentru operațiuni cu următoarele tipuri de elicoptere: Bell 206 L (LongRanger), Bell 206 A/B (JetRanger), MD 500, Eurocopter AS350 (A-star) și AS355 (Twinstar). Montarea componentei aeropurtate a sistemului FLI-MAP la oricare din aceste elicoptere durează în jur de patru ore. Nu este nevoie de nici un fel de zbor de calibrare, din moment ce toți senzorii instalați în cadrul FLI-MAP au poziții cunoscute, ce au fost măsurate cu precizie milimetrică. Capacitățile de manevrare ale zborului elicopterului facilitează un mod extrem de flexibil de operare, permitând sistemului FLI-MAP să urmărească cu precizie contururile de teren, să navigheze de-a lungul liniilor de zbor predefinite și să anticipeze schimbări în planul de zbor din cauza influențelor externe. Toate acestea, împreună cu altitudinea tipic joasă a operațiilor, face ca achiziția de date cu FLIP-MAP să fie aproape independentă de vreme.

### Procesarea datelor

Procesarea datelor se împarte în două părți: preprocesare și postprocesare. Preprocesarea datelor se face pe loc în timpul survolării. Acest lucru permite un control deplin al calității datelor din teren. În cazul în care există lacune în date, se pot planifica linii de zbor suplimentare în scopul de a se asigura calitatea datelor finale.

### Preprocesarea

Preprocesarea începe cu calcularea referințelor între stațiile de bază și antenele din sistemul aeropurtat. Aceste referințe multiple se combină cu scopul de a avea o poziție precisă a elicopterului în fiecare moment. Soluția poziționării GPS este integrată cu datele INS pentru a calcula cu precizie direcția de zbor a sistemului. Între

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timp, se verifică acoperirea de date și densitatea de puncte. În final, precizia absolută a datelor laser este verificată folosind informația cu privire la localizarea și înălțimea punctelor de referință.

#### Postprocesare

Principalul software pentru procesarea de date este pachetul de procesare FLI-MAP numit FLIP7, dezvoltat special pentru a vedea, manipula și analiza datele laser FLI-MAP și imaginile video. Fiind un pachet multimedia, cu numeroase caracteristici special creat pentru survolare, FLIP7 facilitează operația de procesare, aplicare și comunicare a datelor de survolare FLI-MAP.

Software-ul îl va ajuta pe utilizator cu filtre speciale pentru a clasifica datele laser, pentru a extrage informații specifice cu privire la puncte și linii, pentru a combina imaginile video cu datele laser în scopul de a obține mozaicuri video ortorectificate. Rezultatele procesării cu FLIP7 pot fi exportate în diferite pachete CAD, GIS și DTM.

Postprocesarea este încununarea tuturor eforturilor pentru a obține informațiile finale din datele FLI-MAP, în conformitate cu necesitățile clienților.

FLIP7 controlează pe deplin transformările de coordonate (sisteme de coordonate, proiecțiile în care sunt definite hărțile, modelul de geoid pentru altitudini) pentru a garanta că datele exportate pot fi integrate cu date provenind de la alte surse folosind același sistem de referință pentru coordonate.

#### Componentele lui FLIP7

##### FLIP7

Principală componentă a pachetului de software combină informația cu privire la poziția elicopterului și la altitudine cu datele LiDAR despre senzori. FLIP7 furnizează capacități depline CAD (Computer Aided Drafting) ale datelor LiDAR, furnizând operatorului posibilități suplimentare în scopul de a extrage informații valoroase din datele FLI-MAP.

##### Controlor Video Digital

Această componentă a FLIP7 controlează imaginile video digitale codate în timp special, permițând utilizatorului să coordoneze video-ul cu datele LiDAR procesate pentru a obține o prezentare multimedia a zonei survolate. De asemenea, FLIP7 oferă posibilitatea de a vedea și de a ortorectifica imaginile video pentru a câștiga informații vizuale suplimentare.

##### Diapozitiv de imagine

Această componentă a FLIP7, ca și Controlorul Video Digital, controlează integrarea imaginilor statice digitale cu datele LiDAR procesate pentru a îmbunătăți informațiile ce pot



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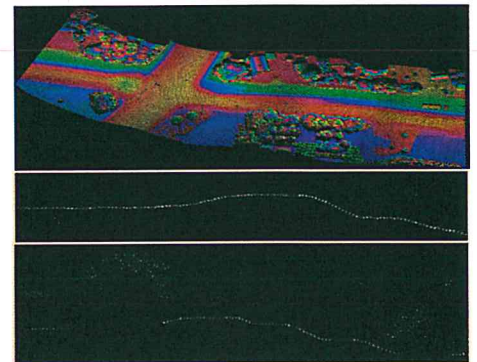
fi extrase din zona survolată. De asemenea, FLIP7 furnizează un mijloc de a uni imaginile statice pentru a obține informații vizuale suplimentare

#### Filtre configurabile

FLIP7 este echipat cu o varietate de filtre configurabile ce pot fi folosite individual sau împreună. Aceste filtre permit utilizatorului să extragă automat informații specifice de interes din datele LiDAR ale lui FLI-MAP. Aceste filtre pot extrage o serie întreagă de caracteristici cu privire la sol, linii de înaltă tensiune, căi ferate și altele. Filtrele clasifică datele LiDAR în subsambluri ale datelor originale și permit vizualizarea și exportarea fiecărui subsamblu.

#### Alte caracteristici FLIP7: Proiecții și Date

FLIP7 are capacitatea de a lucra într-o serie de date de referință orizontale și verticale. FLIP7 are setate proiecțiile Transversal Mercator și Lambert Conform (FLIP7 poate de asemenea în anumite cazuri să proceseze date în sisteme de proiecții locale dacă este necesar – cazul Stereografic 1970 pentru România).



#### Vizualizarea datelor LiDAR

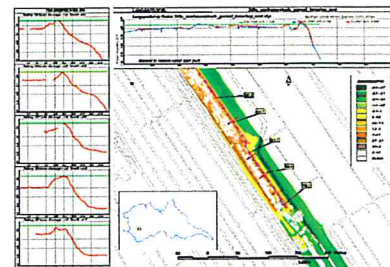
FLIP7 prezintă datele LiDAR în mai multe moduri. Nu este deloc o sarcină ușoară să folosești și să utilizezi mai mult de 1 000 000 de puncte pe km. FLIP7 prezintă utilizatorului datele LiDAR în moduri care îi permit acestuia o interpretare rapidă și precisă. Punctele LiDAR pot fi vizualizate în "Culoare pe Înălțime" sau în "Culoare pe Intensitate". În afară de aceste două metode de a vizualiza datele, datele pot fi de asemenea vizualizate în prezentare verticală (profile longitudinale și transversale).

#### Reducerea datelor LiDAR

Livrarea datelor în proporție de 100% către client adeseori nu este unul din produsele finale, din moment ce este vorba de prea multă informație pentru a putea fi controlată. FLIP7 folosește mai multe filtre JCLS pentru a reduce ansamblul de date originale într-o colecție de puncte mai ușor de utilizat și controlat.

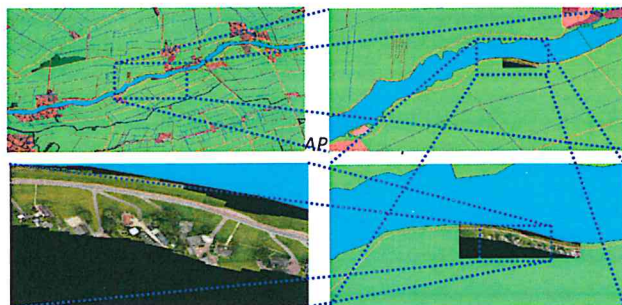
#### Schițe cu ajutorul computerului

După ce utilizatorul a extras datele, procesorul poate utiliza informațiile bază LiDAR (digitizare). FLIP7 admite puncte simple și polilinii multisegmentate ce pot fi definite ca "obiecte-desen". Prin exportul a mai multe niveluri în pachete CAD, precum MicroStation sau AutoCad, beneficiarul poate importa produsul final într-o structură proprie.



#### Exportul și importul de obiecte-desen

Obiectele-desen se pot importa în FLIP7 folosind formatul de fișier standard AutoCad DXF sau un simplu format fișier text ASCII. Desenele-obiect pot fi de asemenea exportate din FLIP7 folosind formatele fișier DXF și ASCII.



## Concluzii

Această expunere arată clar că pentru multe activități tipice de inginerie, informații geografice și topografice de precizie, metoda expusă este de extremă importanță.

Capacitatea de a colecta aceste date într-un mod rapid, sigur și eficient este esența oricărei folosiri practice a informației. Capacitatea sistemului FLI-MAP de a colecta datele necesare cu precizie și într-un mod rapid și eficient face ca sistemul FLI-MAP să fie un sistem de survolare excelent care admite diverse aplicații de inginerie.



Usurinta de integrare și reutilizarea datelor oferă valoare pentru datele colectate cu FLI-MAP și pot fi folosite cu diferite pachete GIS.



Avantajele sistemului FLI-MAP comparat cu tehnicile tradiționale pot fi rezumate după cum urmează:

Costuri mici.

Timp de execuție foarte scurt până la produsul final.

În comparație cu măsurătorile de survolare convenționale, nu sunt necesare blocaje care să întrerupă traficul.

În comparație cu fotogrammetria, sistemul FLI-MAP este mult mai puțin dependent de condițiile meteo și are o precizie pe cota mai mare datorită altitudinii joase de zbor.

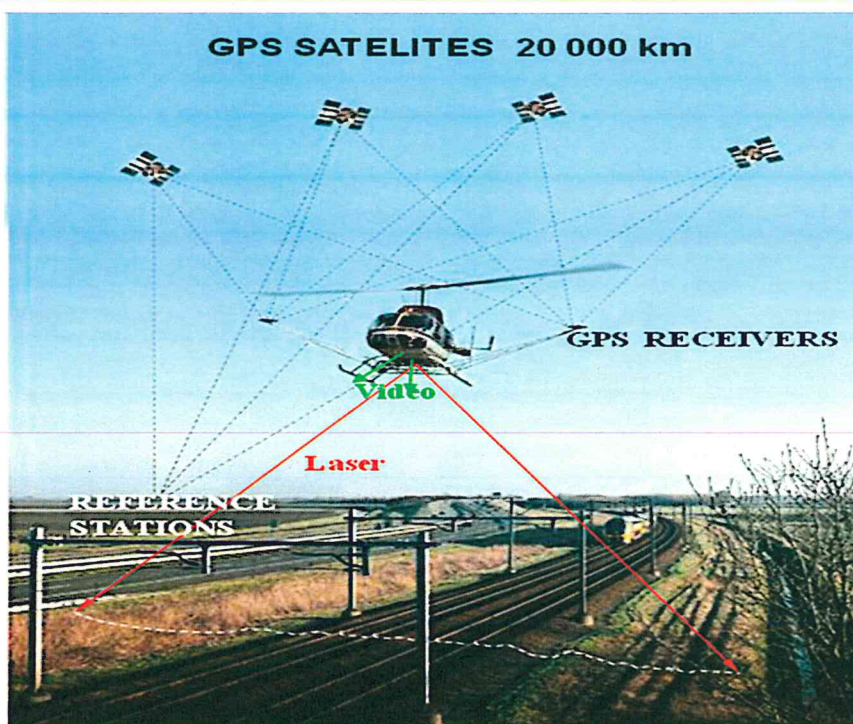
Furnizarea de imagini statice sau video geo-referențiale, orto-rectificate (până la dimensiuni ale pixelului de 4-5-cm) poate fi considerată un produs suplimentar, ce poate fi folosit pentru studii de vizualizare în 3-D, studii de inginerie și DTM foarte precis pentru studii de proiectare.

## Considerații practice privind sistemul FLI-MAP.

După cum rezultă din cele expuse mai sus, sistemul FLI-MAP are foarte multe avantaje, produsele fiind de o precizie care concurează cu măsurătorile executate clasic (cu stația totală) sau cu tehnologie GNSS. Trebuie însă aduse unele considerații privind modul în care tehnologia poate ajunge la asemenea performanțe.

## Componenta aeropurtată.

Se referă la platforma care se amplasează pe elicopter și care are montate două camere video, două camere foto și un laser. De asemenea, cele două receptoare GPS care dau permanent poziția platformei. Fiecare din componente aduce un aport la determinarea poziției (coordonate rectangulare) a fiecărui punct din norul de puncte. Practic, fiecare punct este determinat din cinci (5) intersecții de drepte. Condiția esențială este ca poziția fiecărui loc (punct) din care pleacă cele 5 drepte să fie cunoscută cu o precizie foarte mare. Locul din care pleacă dreptele sunt: două centre ale camerelor foto, două centre ale camerelor video și centrul laserului.



Poziția acestor centre este dată de cele două receptoare GPS. Distanța și orientarea între cele două receptoare și fiecare centru trebuie să fie cunoscută cu precizie micrometrică. Orice eroare în determinarea poziției corecte se amplifică și duce la erori direct proporționale cu înălțimea de zbor. Din acest motiv este vital ca platforma să fie montată astfel încât să nu producă erori. Altfel spus, deși se înregistrează date de la cele 5 componente, acestea nu dau poziția corectă dacă platforma nu respectă condiția de montare micrometrică. Fiecare din cele 5 componente trebuie să fie montate fix în același loc de fiecare dată.

#### Componenta terestră

Din cele expuse în subcapitolele anterioare rezultă că poziția receptoarelor montate pe elicopter este dată nu numai de sateliți ci și de alte receptoare amplasate pe sol. După cum se știe din teorie (Curs GPS), poziția unui receptor GPS este dată de semnalul primit de la satelit. În afară de aceasta, pentru a-i fixa poziția absolută în sistem WGS84, trebuie ca un alt receptor să fie amplasat pe un alt punct care are poziția cunoscută. Ambele receptoare trebuie să primească semnal de aceiași minim 4 sateliți și aibă timp de staționare comun suficient de mare. Pentru stabilirea poziției celor două receptoare amplasate la bordul elicopterului sunt suficiente 6 alte receptoare amplasate de-a lungul traseului de parcurs. În cele 6 receptoare pot fi incluse și stații permanente. Stațiile permanente aduc un plus de siguranță poziționării datorită faptului că au coordonatele determinate de Agenția Națională de Cadastru și Publicitate Imobiliară și dispun de înregistrări permanente. Orice utilizator poate cere datele din perioada în care a efectuat zborul.

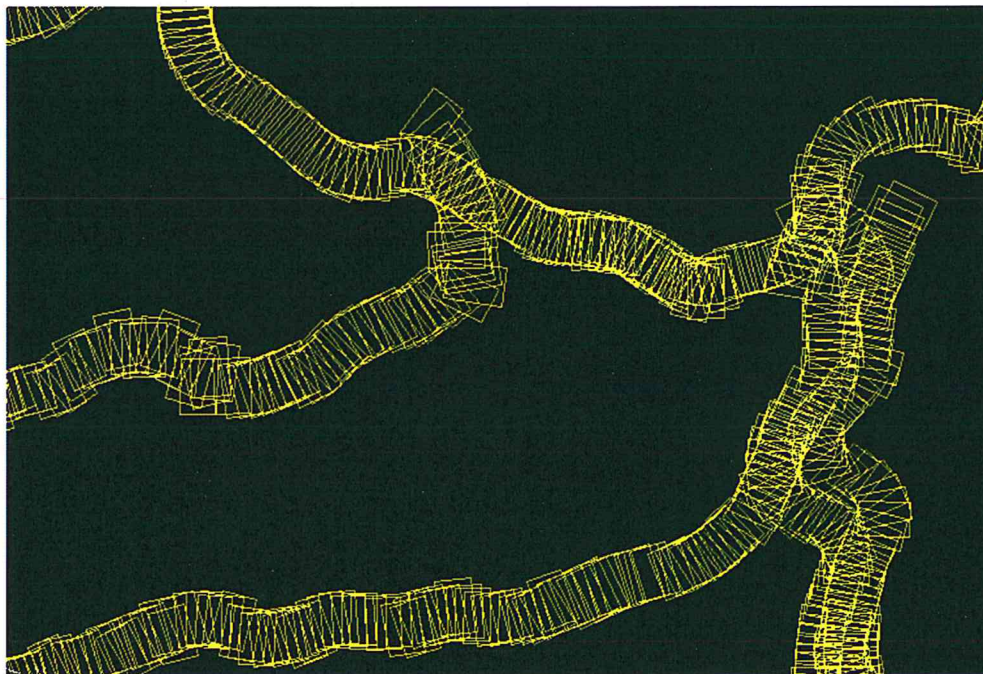
După realizarea zborului și descărcarea datelor urmează prelucrarea pentru a obține coordonatele norului de puncte în sistemul de proiecție dorit. Această operație se realizează cu ajutorul programelor specializate. Se curată modelul digital al terenului de efecte inerente cum ar fi: copaci, clădiri, obiecte care s-au interpus între teren și elicopter (vehicule în mișcare sau staționate, persoane sau animale aflate în zonă, etc.

Norul de puncte este poziționat în plan orizontal și pe altitudine. În plan orizontal nu este nevoie de multe puncte de control (reperi) deoarece receptoarele GPS și echipamentul montat pe platformă dau rezultate

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foarte bune. Probleme pot să apară la calibrarea modelului digital al terenului. Este la fel ca o sârmă întinsă, sprijinită la cele două capete, care se îndoaie la mijloc (face burtă). Dacă la mijloc se introduce un nou punct de sprijin care are cotă cunoscută, acel punct devine noul capăt al sârmei. Modelul este cu atât mai bine calibrat cu cât există mai des puncte de control pe altitudine.

Imagine de mare rezoluție preluată cu metodologia FLI-MAP.



Atunci când imaginile sunt preluate din elicopter, imaginile sunt asamblate pe coridoare, funcție de modul în care a fost planificat zborul. Este exemplificat în imaginea de mai sus.

### U.A.V. (Unmanned aerial vehicle)

#### Introducere

Ortofotoplanul reprezintă o imagine aeriană sau un set de imagini aeriene corectată/e geometric și radiometric, creând o reprezentare a terenului la scară uniformă, ceea ce permite măsurarea distanțelor în plan. Corectarea geometrică constă în ortorectificarea imaginilor și reprezintă un proces de transformare a acestora dintr-o proiecție centrală într-o proiecție ortogonală, înlăturând efectele distorsiunilor datorate mișcării senzorului și pe cele provocate de relieful terenului. Corecțiile radiometrice sunt necesare pentru netezirea tonului sau a diferențelor de culoare din cadrul ortoimaginilor, avându-se în vedere îmbunătățirea calității și uniformizării tonalității grupului de imagini. Aceste corecții sunt necesare în special în cazul imaginilor preluate în condiții diferite.

Modelul Digital al Terenului (MDT) este o reprezentare numerică a suprafeței terenului, iar dacă se ia în calcul și acoperirile terenului (construcții, vegetatie, etc) atunci modelul se va numi Modelul Digital al Suprafeței de Reflectanță (MDSR).

Utilizarea sistemelor aeriene fără operator uman la bord (UAV – Unmanned Aerial Vehicle) în culegerea datelor necesare realizării produselor fotogrammetrice implică un cost redus dar un timp relativ mare de preluare a datelor.



## Metodologie

În vederea obținerii ortofotoplanului și a modelului digital al terenului s-au utilizat:

- Un sistem UAV de tip multirotor prevăzut cu un ghimbal triaxial, având o autonomie de zbor de aproximativ 18 minute;
- O camera digitală de tip mirrorless, model Sony A7R, obiectiv 50 mm;
- Stația de control de la sol, compusă din: laptop ce are instalat softul Mission Planner, telemetrie, radiocomandă, monitor și ochelari OSD (On Screen Display);
- 4 Receptoare GNSS, Leica GX08.

În primă fază se va realiza la birou proiectul privind dispunerea reperilor și planul de zbor, elementele proiectate la birou urmând să fie adaptate în funcție de condițiile din teren. Premarcarea reperilor în teren s-a realizat fie cu vopsea rezistentă la intemperii, în zonele ce permit marcarea precum: platforme betonate, drumuri asfaltate, etc, sau ținte de plastic. Reperii au fost astfel distribuiți, pe întreaga zonă de lucru și în special în zona perimetrală a acesteia, încât distanța maximă dintre ei să nu depășească 50m.

Planificarea misiunii de zbor a fost realizată în programul Mission Planner, stabilind perimetrul zonei de zbor, prin încărcarea unui fișier ce conține limita zonei de cai ferate, iar apoi setând parametrii referitori la:

- Dimensiunea fizică a senzorului utilizat la preluarea datelor (35,9 mm / 24 mm);
- numărul de pixeli ai acestuia (7360 pix / 4912 pix);
- distanța focală (50 mm);
- înălțimea de zbor (150 m);

Acești 4 parametrii oferă o estimare a dimensiunii pixelului la nivelul terenului (1,47 cm), precum și a acoperirii la sol a unei imaginii (107,7 m / 72 m).

- suprapunerea longitudinală (80%) și cea transversală (70%);
- orientarea benzilor de zbor (115°);
- viteza de zbor (7 m/s);
- punctul de start al misiunii (dreapta sus).

În timpul misiunii de aerofotografiere monitorizarea zborurilor se realizează prin intermediul monitorului sau ochelarilor OSD, urmărind în special calitatea imaginilor preluate și momentul expunerilor, voltajul și amperajul bateriei, respectarea benzilor de zbor, distanța față de punctul de decolare, înălțimea de zbor și nivelul vibrațiilor.

## Procesarea datelor

Imaginile preluate în urma misiunii de aerofotografiere vor fi prelucrate utilizând programul Agisoft PhotoScan. Pentru aceasta vom insera imaginile în program și vom stabili sistemul de referință (Sistemul de coordonate S-42 România, proiecția Stereografică 1970).

Este necesar să se realizeze o verificare a tuturor imaginilor preluate pentru a înlătura eventualele imagini înclinate, trenate, supraexpuse sau subexpuse. În urma eliminării imaginilor eronate se realizează alinierea imaginilor, obținând parametrii de orientare interioară, poziția relativă a centrelor de perspectivă și norul punctelor de legătură.

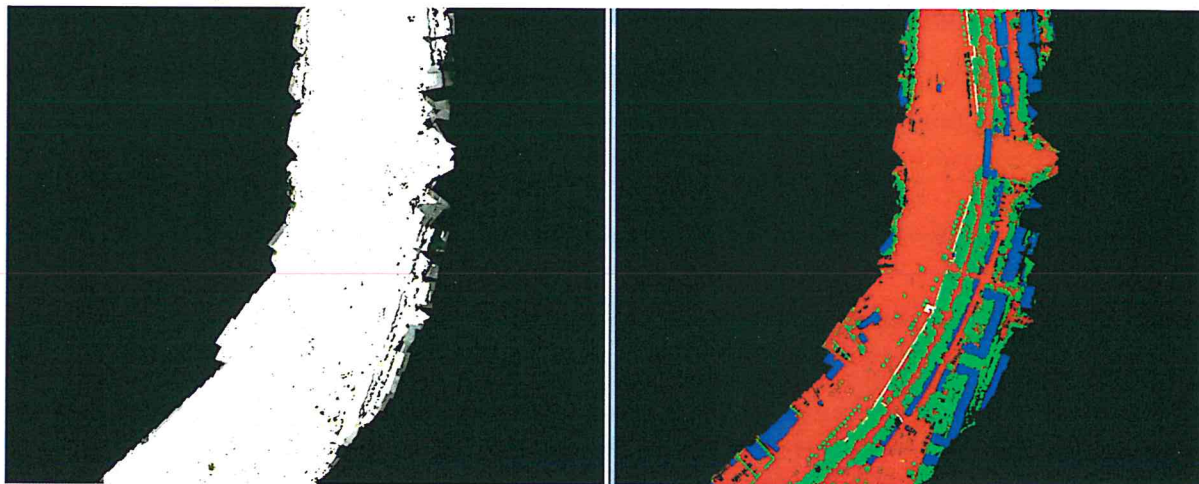
Apriori realizării alinierii imaginilor se vor seta parametrii acesteia precum: nivelul de piramidare al imaginii și gradul de precizie în vederea determinării centrelor de perspectivă (*Accuracy*), modul de identificare a imaginilor ce se suprapun (*Pair preselection*).

Etapa următoare constă în inserarea celor 57 de reperi și marcarea fiecăruia în imaginile corespondente. În urma marcării tuturor reperilor, se vor stabili punctele de control, pe baza cărora se va realiza georeferențierea indirectă a modelului imagine și punctele de verificare, folosite doar la estimarea preciziei modelului final.

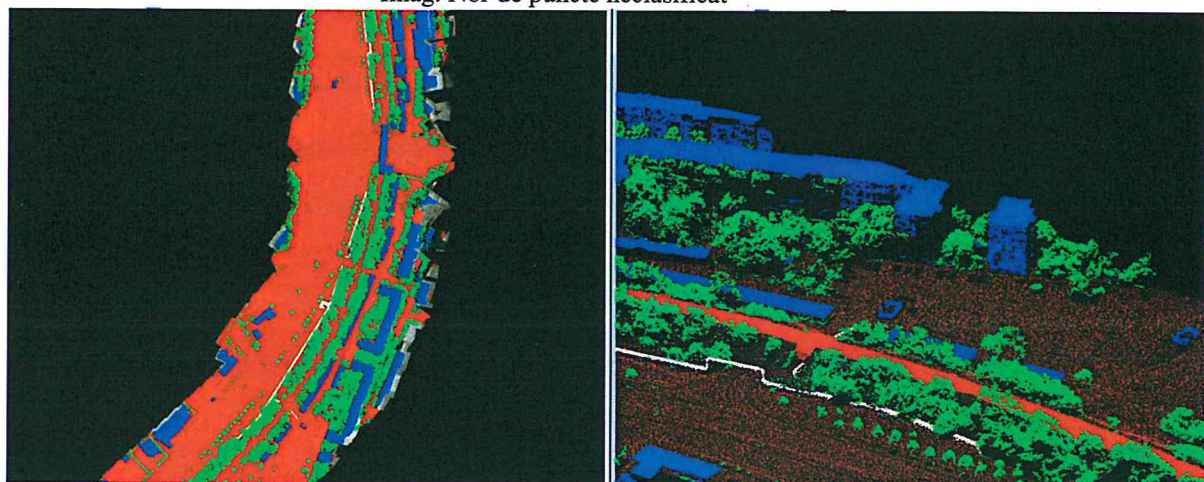
Determinarea poziției centrului de perspectivă pe baza măsurătorilor înregistrate de sistemul GNSS/IMU integrat în sistemul UAV, nefiind una precisă ( $\pm 5$  m), nu se va realiza orientarea integrată a senzorilor ci georeferențierea indirectă. Astfel aerotriangulația se va realiza pentru întreg blocul de imagini.

Având realizată prin punctele de control, legătura dintre modelul imagine și teren, se va realiza aerotriangulația, obținându-se parametrii orientării exterioare.

Pentru a obține Modelul Digital al Terenului (MDT) se realizează clasificarea nesupervizată (automată) iar apoi cea supervizată (manuală) a norului de puncte corelat în vederea stabilirii punctelor ce fac parte din clasa teren, necesare generării acestuia.



Imag. Nor de puncte neclasificat



Imag. Nor de puncte clasificat

#### Verificarea ortofotoplanului și a modelului digital al terenului

Verificarea calitativă a ortofotoplanului constă în verificarea radiometriei, geometriei și preciziei acestuia. Verificările radiometrice și geometrice urmăresc eliminarea următoarelor defecte vizuale:

1. diferențe geometrice și tonale din vecinătatea liniilor de mozaicare;
2. diferențe tonale cauzate de puternica reflexie a radiației solare sau de umbriri;
3. distorsiuni ale unor elemente planimetrice, aflate la înălțime față de nivelul solului.

Verificarea preciziei ortofotoplanului se bazează pe punctele de verificare, diferite de punctele de control folosite la orientarea exterioară a fotogramelor. Pentru verificarea preciziei se poate utiliza un alt ortofotoplan și/sau măsurătorile efectuate în teren în vederea determinării poziției planimetrice a entităților ce pot fi identificate pe ortofotoplan.

Pentru verificarea preciziei modelului digital al terenului se pot utiliza punctele de verificare, un alt model digital al terenului verificat și aprobat și/sau puncte măsurate în teren pentru care am determinat și cota.

### Realizarea Planului de Situație

Având toate aceste date menționate mai sus și împreună cu softuri proprii ale firmei pentru prelucrarea acestora, s-au raportat în Acad pentru realizarea planului de situație aferent. De asemenea s-au utilizat informații din modelul digital al terenului. Acest lucru s-a realizat cu ajutorul softului Global Mapper. Totodată s-au folosit informații după planurile realizate de SC ISPCF SA BUCUREȘTI.

Conform normelor în vigoare, planul de situație în format digital a fost împărțit pe planșe (format A1, A0, A0 extins), urmând a fi plotate la scara 1:1000.

### C) VERIFICAREA ȘI PREDAREA DOCUMENTAȚIEI

Verificarea internă, realizată în cadrul societății noastre, a fost realizată de către specialiști abilitați de către A.N.C.P.I., care nu au participat la realizarea lucrării. În acest sens, se verifică atât modul de realizare a măsurătorilor de teren cât și modul de prelucrare și reprezentare în format digital și analogic.



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INVENTAR DE COORDONATE

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1       | 445107.748 | 279250.797 | 181.52  |
| AX2       | 445074.492 | 279265.329 | 181.66  |
| AX3       | 445054.433 | 279274.083 | 181.73  |
| AX4       | 445042.404 | 279279.348 | 181.78  |
| AX5       | 445028.843 | 279285.26  | 181.84  |
| AX6       | 445024.202 | 279287.284 | 181.86  |
| AX7       | 444999.058 | 279298.297 | 181.93  |
| AX8       | 444976.597 | 279308.101 | 181.99  |
| AX9       | 444967.453 | 279312.107 | 182.01  |
| AX10      | 444963.084 | 279314.02  | 182.02  |
| AX11      | 444959.19  | 279315.699 | 182.03  |
| AX12      | 444943.883 | 279322.353 | 182.12  |
| AX13      | 444932.227 | 279327.399 | 182.18  |
| AX14      | 444917.906 | 279333.589 | 182.21  |
| AX15      | 444898.9   | 279341.805 | 182.26  |
| AX16      | 444881.174 | 279349.43  | 182.3   |
| AX17      | 444879.64  | 279350.09  | 182.3   |
| AX18      | 444873.946 | 279352.516 | 182.32  |
| AX19      | 444861.661 | 279357.729 | 182.35  |
| AX20      | 444813.23  | 279378.254 | 182.48  |
| AX21      | 444806.6   | 279381.063 | 182.51  |
| AX22      | 444794.63  | 279386.136 | 182.56  |
| AX23      | 444772.63  | 279395.458 | 182.66  |
| AX24      | 444727.965 | 279414.34  | 182.78  |
| AX25      | 444708.059 | 279422.776 | 182.85  |
| AX26      | 444695.168 | 279428.24  | 182.9   |
| AX27      | 444670.717 | 279438.603 | 182.99  |
| AX28      | 444654.264 | 279445.596 | 183.12  |
| AX29      | 444621.533 | 279459.523 | 183.3   |
| AX30      | 444613.877 | 279462.78  | 183.34  |
| AX31      | 444583.793 | 279475.551 | 183.51  |
| AX32      | 444583.128 | 279475.833 | 183.52  |
| AX33      | 444571.858 | 279480.622 | 183.58  |
| AX34      | 444539.433 | 279494.33  | 183.76  |
| AX35      | 444534.983 | 279496.21  | 183.79  |
| AX36      | 444527.135 | 279499.524 | 183.824 |
| AX37      | 444511.809 | 279506.028 | 183.92  |
| AX38      | 444501.396 | 279510.369 | 183.98  |
| AX39      | 444483.688 | 279517.928 | 184.05  |
| AX40      | 444472.391 | 279522.794 | 184.1   |
| AX41      | 444467.845 | 279524.752 | 184.12  |
| AX42      | 444448.529 | 279533.125 | 184.2   |
| AX43      | 444434.879 | 279539.042 | 184.26  |
| AX44      | 444362.364 | 279570.706 | 184.82  |
| AX45      | 444361.448 | 279571.107 | 184.83  |
| AX46      | 444329.38  | 279585.109 | 185.08  |
| AX47      | 444309.548 | 279593.806 | 185.18  |
| AX48      | 444294.24  | 279600.528 | 185.26  |
| AX49      | 444276.241 | 279608.386 | 185.34  |
| AX50      | 444273.939 | 279609.391 | 185.35  |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12792    | 482909.394 | 218287.793 | 99.05  |
| P12793    | 482757.274 | 218158.882 | 99     |
| P12794    | 482767.762 | 218156.899 | 99.07  |
| P12795    | 482778.737 | 218154.933 | 99.1   |
| P12796    | 482791.14  | 218153.033 | 99.02  |
| P12797    | 482798.066 | 218152.234 | 99.12  |
| P12798    | 482804.848 | 218151.725 | 99.12  |
| P12799    | 482807.802 | 218151.615 | 99.13  |
| P12800    | 482812.04  | 218151.415 | 99.1   |
| P12801    | 482818.041 | 218153.363 | 99.11  |
| P12802    | 482820.724 | 218153.49  | 99.16  |
| P12803    | 482822.994 | 218153.753 | 99.58  |
| P12804    | 482824.242 | 218154.012 | 100.05 |
| P12805    | 482825.763 | 218154.236 | 100.68 |
| P12806    | 482826.738 | 218154.139 | 100.9  |
| P12807    | 482828.232 | 218153.922 | 100.89 |
| P12808    | 482829.065 | 218153.815 | 100.67 |
| P12809    | 482830.228 | 218153.786 | 100.21 |
| P12810    | 482831.957 | 218153.981 | 99.962 |
| P12811    | 482833.779 | 218154.186 | 99.7   |
| P12812    | 482835.436 | 218154.626 | 98.88  |
| P12813    | 482836.34  | 218154.723 | 98.48  |
| P12814    | 482837.975 | 218154.923 | 98.37  |
| P12815    | 482839.616 | 218154.902 | 98.47  |
| P12816    | 482841.088 | 218154.41  | 99.13  |
| P12817    | 482844.224 | 218154.413 | 99.03  |
| P12818    | 482858.036 | 218152.162 | 99.13  |
| P12819    | 482878.84  | 218149.402 | 99.15  |
| P12820    | 482747.401 | 218065.579 | 98.5   |
| P12821    | 482760.364 | 218065.598 | 98.61  |
| P12822    | 482771.593 | 218065.616 | 98.6   |
| P12823    | 482784.473 | 218063.499 | 98.66  |
| P12824    | 482791.901 | 218062.426 | 98.68  |
| P12825    | 482797.572 | 218062.588 | 98.82  |
| P12826    | 482809.53  | 218059.731 | 99.04  |
| P12827    | 482814.222 | 218059.682 | 99.63  |
| P12828    | 482816.32  | 218059.207 | 100.56 |
| P12829    | 482817.076 | 218059.284 | 100.77 |
| P12830    | 482817.774 | 218059.191 | 100.55 |
| P12831    | 482818.48  | 218059.148 | 100.77 |
| P12832    | 482819.095 | 218059.084 | 100.57 |
| P12833    | 482820.339 | 218058.938 | 100.1  |
| P12834    | 482823.082 | 218058.786 | 99.53  |
| P12835    | 482824.686 | 218058.643 | 99.17  |
| P12836    | 482826.694 | 218058.898 | 98.33  |
| P12837    | 482828.223 | 218058.888 | 98.25  |
| P12838    | 482830.447 | 218058.652 | 99.06  |
| P12839    | 482833.629 | 218058.296 | 99.06  |
| P12840    | 482838.68  | 218057.396 | 99.21  |
| P12841    | 482845.131 | 218057.577 | 99.16  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| AX51      | 444250.594 | 279619.624 | 185.46 |
| AX52      | 444227.184 | 279629.885 | 185.56 |
| AX53      | 444218.488 | 279633.696 | 185.59 |
| AX54      | 444202.932 | 279640.509 | 185.65 |
| AX55      | 444190.136 | 279646.107 | 185.7  |
| AX56      | 444184.884 | 279648.405 | 185.71 |
| AX57      | 444164.007 | 279657.545 | 185.79 |
| AX58      | 444155.465 | 279661.284 | 185.82 |
| AX59      | 444139.752 | 279668.171 | 185.88 |
| AX60      | 444137.897 | 279668.984 | 185.88 |
| AX61      | 444117.998 | 279677.369 | 185.95 |
| AX62      | 444103.703 | 279683.054 | 186    |
| AX63      | 444100.476 | 279684.337 | 186.02 |
| AX64      | 444090.749 | 279688.065 | 186.05 |
| AX65      | 444077.936 | 279692.874 | 186.12 |
| AX66      | 444062.781 | 279698.377 | 186.2  |
| AX67      | 444054.171 | 279701.342 | 186.24 |
| AX68      | 444042.878 | 279705.115 | 186.3  |
| AX69      | 444030.953 | 279708.947 | 186.36 |
| AX70      | 444026.391 | 279710.332 | 186.38 |
| AX71      | 444014.908 | 279713.818 | 186.44 |
| AX72      | 444013.51  | 279714.242 | 186.45 |
| AX73      | 444002.523 | 279717.445 | 186.5  |
| AX74      | 443990.064 | 279720.864 | 186.56 |
| AX75      | 443982.987 | 279722.673 | 186.6  |
| AX76      | 443971.875 | 279725.5   | 186.66 |
| AX77      | 443955.17  | 279729.425 | 186.75 |
| AX78      | 443938.186 | 279733.139 | 186.84 |
| AX79      | 443923.625 | 279736.127 | 186.92 |
| AX80      | 443913.57  | 279738.19  | 186.98 |
| AX81      | 443908.927 | 279739.127 | 187    |
| AX82      | 443838.048 | 279753.423 | 187.39 |
| AX83      | 443831.481 | 279754.742 | 187.42 |
| AX84      | 443809.119 | 279759.233 | 187.54 |
| AX85      | 443791.098 | 279762.858 | 187.64 |
| AX86      | 443759.118 | 279769.318 | 187.87 |
| AX87      | 443739.471 | 279773.272 | 188    |
| AX88      | 443725.604 | 279776.061 | 188.08 |
| AX89      | 443671.824 | 279786.883 | 188.44 |
| AX90      | 443647.314 | 279791.815 | 188.6  |
| AX91      | 443645.232 | 279792.234 | 188.62 |
| AX92      | 443634.436 | 279794.388 | 188.69 |
| AX93      | 443623.285 | 279796.651 | 188.75 |
| AX94      | 443587.488 | 279803.841 | 188.97 |
| AX95      | 443555.148 | 279810.318 | 189.16 |
| AX96      | 443550.811 | 279811.186 | 189.18 |
| AX97      | 443496.154 | 279822.2   | 189.5  |
| AX98      | 443489.872 | 279823.504 | 189.53 |
| AX99      | 443481.491 | 279825.146 | 189.58 |
| AX100     | 443463.152 | 279828.81  | 189.69 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12842    | 482855.236 | 218056.953 | 99.17  |
| P12843    | 482865.097 | 218054.931 | 99.15  |
| P12844    | 482873.663 | 218052.362 | 99.04  |
| P12845    | 482748.524 | 217941.527 | 98.77  |
| P12846    | 482764.608 | 217938.995 | 98.83  |
| P12847    | 482780.011 | 217939.139 | 98.79  |
| P12848    | 482789.971 | 217937.405 | 98.68  |
| P12849    | 482791.848 | 217936.876 | 98.29  |
| P12850    | 482797.549 | 217935.657 | 98.97  |
| P12851    | 482800.791 | 217935.581 | 99.27  |
| P12852    | 482802.48  | 217935.307 | 99.75  |
| P12853    | 482803.339 | 217935.112 | 100.15 |
| P12854    | 482804.248 | 217935.026 | 100.41 |
| P12855    | 482805.032 | 217934.859 | 100.19 |
| P12856    | 482805.704 | 217934.778 | 100.41 |
| P12857    | 482806.568 | 217934.748 | 100.18 |
| P12858    | 482807.6   | 217934.716 | 99.78  |
| P12859    | 482808.041 | 217934.798 | 99.731 |
| P12860    | 482810.775 | 217935.31  | 99.43  |
| P12861    | 482812.34  | 217935.532 | 98.86  |
| P12862    | 482813.708 | 217935.605 | 98.05  |
| P12863    | 482815.14  | 217935.145 | 97.79  |
| P12864    | 482816.162 | 217935.126 | 97.88  |
| P12865    | 482817.714 | 217935.242 | 98.43  |
| P12866    | 482824.179 | 217935.149 | 98.72  |
| P12867    | 482841.539 | 217933.221 | 98.66  |
| P12868    | 482854.075 | 217929.821 | 98.68  |
| P12869    | 482868.46  | 217926.334 | 98.58  |
| P12870    | 482742.876 | 217849.222 | 98.4   |
| P12871    | 482754.577 | 217846.863 | 98.43  |
| P12872    | 482763.056 | 217845.311 | 98.32  |
| P12873    | 482772.833 | 217842.793 | 98.28  |
| P12874    | 482778.732 | 217840.613 | 98.27  |
| P12875    | 482783.997 | 217839.779 | 98.53  |
| P12876    | 482788.149 | 217839.144 | 98.97  |
| P12877    | 482791.881 | 217838.547 | 99.42  |
| P12878    | 482793.18  | 217838.253 | 99.883 |
| P12879    | 482793.677 | 217838.141 | 100.06 |
| P12880    | 482794.215 | 217838.078 | 100.29 |
| P12881    | 482795.017 | 217838.044 | 100.07 |
| P12882    | 482795.675 | 217837.662 | 100.28 |
| P12883    | 482796.328 | 217837.462 | 100.05 |
| P12884    | 482796.87  | 217837.48  | 100.22 |
| P12885    | 482797.538 | 217837.457 | 100.05 |
| P12886    | 482798.347 | 217837.447 | 100.2  |
| P12887    | 482798.947 | 217837.36  | 100.01 |
| P12888    | 482799.874 | 217837.238 | 99.74  |
| P12889    | 482800.994 | 217836.988 | 99.45  |
| P12890    | 482802.694 | 217837.116 | 98.57  |
| P12891    | 482804.106 | 217837.433 | 97.89  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| AX101     | 443434.558 | 279834.575 | 189.86 |
| AX102     | 443415.84  | 279838.349 | 189.97 |
| AX103     | 443389.714 | 279843.601 | 190.07 |
| AX104     | 443370.831 | 279847.398 | 190.15 |
| AX105     | 443342.209 | 279853.154 | 190.26 |
| AX106     | 443315.93  | 279858.453 | 190.41 |
| AX107     | 443292.53  | 279863.17  | 190.53 |
| AX108     | 443278.678 | 279865.964 | 190.59 |
| AX109     | 443228.388 | 279876.106 | 190.79 |
| AX110     | 443204.365 | 279880.937 | 190.89 |
| AX111     | 443197.307 | 279882.357 | 190.92 |
| AX112     | 443186.523 | 279884.526 | 190.97 |
| AX113     | 443111.466 | 279899.624 | 191.31 |
| AX114     | 443094.363 | 279903.063 | 191.38 |
| AX115     | 443078.676 | 279906.218 | 191.44 |
| AX116     | 443034.559 | 279915.088 | 191.62 |
| AX117     | 443002.211 | 279921.635 | 191.78 |
| AX118     | 442960.063 | 279930.165 | 191.98 |
| AX119     | 442934.38  | 279935.363 | 192.11 |
| AX120     | 442920.445 | 279938.154 | 192.17 |
| AX121     | 442910.127 | 279940.16  | 192.21 |
| AX122     | 442903.753 | 279941.331 | 192.24 |
| AX123     | 442889.105 | 279943.747 | 192.31 |
| AX124     | 442872.559 | 279945.965 | 192.38 |
| AX125     | 442857.267 | 279947.613 | 192.45 |
| AX126     | 442840.671 | 279949.276 | 192.53 |
| AX127     | 442818.579 | 279951.383 | 192.63 |
| AX128     | 442816.775 | 279951.526 | 192.64 |
| AX129     | 442804.29  | 279952.52  | 192.7  |
| AX130     | 442796.678 | 279953.023 | 192.73 |
| AX131     | 442789.723 | 279953.365 | 192.75 |
| AX132     | 442778.804 | 279953.727 | 192.77 |
| AX133     | 442767.982 | 279953.87  | 192.8  |
| AX134     | 442755.243 | 279953.846 | 192.82 |
| AX135     | 442739.746 | 279953.749 | 192.85 |
| AX136     | 442728.013 | 279953.673 | 192.87 |
| AX137     | 442722.841 | 279953.694 | 192.87 |
| AX138     | 442722.663 | 279953.695 | 192.87 |
| AX139     | 442719.842 | 279953.753 | 192.87 |
| AX140     | 442710.205 | 279953.95  | 192.87 |
| AX141     | 442706.303 | 279954.124 | 192.86 |
| AX142     | 442700.968 | 279954.421 | 192.86 |
| AX143     | 442696.531 | 279954.743 | 192.86 |
| AX144     | 442693.421 | 279954.964 | 192.86 |
| AX145     | 442685.574 | 279955.61  | 192.86 |
| AX146     | 442678.991 | 279956.255 | 192.86 |
| AX147     | 442674.797 | 279956.603 | 192.86 |
| AX148     | 442658.348 | 279958.108 | 192.86 |
| AX149     | 442645.635 | 279959.177 | 192.86 |
| AX150     | 442629.091 | 279960.753 | 192.82 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12892    | 482807.046 | 217837.645 | 97.8   |
| P12893    | 482808.185 | 217837.654 | 98.08  |
| P12894    | 482811.244 | 217838.423 | 98.35  |
| P12895    | 482817.05  | 217835.845 | 98.56  |
| P12896    | 482822.974 | 217833.651 | 98.37  |
| P12897    | 482824.098 | 217833.189 | 97.74  |
| P12898    | 482824.785 | 217832.691 | 97.89  |
| P12899    | 482825.723 | 217832.154 | 98.48  |
| P12900    | 482830.843 | 217832.288 | 98.46  |
| P12901    | 482839.659 | 217831.231 | 98.68  |
| P12902    | 482834.075 | 217701.57  | 98.73  |
| P12903    | 482821.897 | 217702.766 | 98.75  |
| P12904    | 482811.981 | 217704.621 | 98.88  |
| P12905    | 482805.19  | 217705.79  | 98.9   |
| P12906    | 482801.344 | 217706.098 | 98.46  |
| P12907    | 482799.633 | 217706.321 | 97.33  |
| P12908    | 482798.895 | 217706.483 | 97.62  |
| P12909    | 482796.518 | 217707.051 | 98.81  |
| P12910    | 482795.305 | 217707.141 | 99.044 |
| P12911    | 482794.234 | 217707.221 | 99.25  |
| P12912    | 482793.04  | 217707.288 | 99.72  |
| P12913    | 482792.613 | 217707.342 | 99.92  |
| P12914    | 482791.794 | 217707.412 | 99.71  |
| P12915    | 482791.125 | 217707.485 | 99.94  |
| P12916    | 482790.402 | 217707.624 | 99.84  |
| P12917    | 482789.131 | 217707.81  | 99.55  |
| P12918    | 482788.348 | 217707.852 | 99.62  |
| P12919    | 482787.696 | 217707.989 | 99.76  |
| P12920    | 482786.892 | 217708.217 | 99.58  |
| P12921    | 482786.182 | 217708.264 | 99.75  |
| P12922    | 482785.563 | 217708.372 | 99.65  |
| P12923    | 482785.018 | 217708.348 | 99.39  |
| P12924    | 482783.165 | 217708.626 | 100    |
| P12925    | 482782.491 | 217708.728 | 100.23 |
| P12926    | 482781.636 | 217708.792 | 99.99  |
| P12927    | 482780.976 | 217708.899 | 100.22 |
| P12928    | 482780.433 | 217708.961 | 100.01 |
| P12929    | 482779.745 | 217708.98  | 99.77  |
| P12930    | 482778.51  | 217709.027 | 99.57  |
| P12931    | 482777.83  | 217709.042 | 99.82  |
| P12932    | 482777.393 | 217709.174 | 99.97  |
| P12933    | 482776.664 | 217709.214 | 99.74  |
| P12934    | 482775.87  | 217709.296 | 99.95  |
| P12935    | 482775.299 | 217709.337 | 99.68  |
| P12936    | 482774.045 | 217709.583 | 98.97  |
| P12937    | 482773.26  | 217709.716 | 98.73  |
| P12938    | 482767.285 | 217710.507 | 98.58  |
| P12939    | 482761.139 | 217711.394 | 98.35  |
| P12940    | 482754.582 | 217712.212 | 98.28  |
| P12941    | 482745.966 | 217713.912 | 98.3   |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX151     | 442617.591 | 279961.93  | 192.86  |
| AX152     | 442601.956 | 279963.373 | 192.86  |
| AX153     | 442599.266 | 279963.633 | 192.88  |
| AX154     | 442589.871 | 279964.541 | 192.97  |
| AX155     | 442579.261 | 279965.535 | 193.05  |
| AX592     | 442107.189 | 280112.196 | 194.16  |
| AX593     | 442137.243 | 280106.069 | 194.05  |
| AX594     | 442203.556 | 280092.713 | 193.79  |
| AX595     | 442217.436 | 280089.902 | 193.74  |
| AX596     | 442270.574 | 280079.213 | 193.53  |
| AX597     | 442343.709 | 280064.501 | 193.25  |
| AX598     | 442372.656 | 280058.665 | 193.15  |
| AX599     | 442403.912 | 280052.396 | 193.05  |
| AX600     | 442407.234 | 280051.73  | 193.04  |
| AX601     | 442429.792 | 280047.164 | 192.95  |
| AX602     | 442537.695 | 280025.426 | 192.46  |
| AX603     | 442632.023 | 280006.424 | 192.14  |
| AX604     | 442650.593 | 280002.673 | 192.08  |
| AX605     | 442670.563 | 279998.636 | 191.99  |
| AX606     | 442696.559 | 279993.382 | 191.87  |
| AX607     | 442722.511 | 279988.173 | 191.75  |
| AX608     | 442803.892 | 279971.772 | 191.43  |
| AX609     | 442827.2   | 279967.074 | 191.34  |
| AX610     | 442915.982 | 279949.11  | 190.89  |
| AX611     | 442937.207 | 279944.842 | 190.79  |
| AX612     | 443014.587 | 279929.281 | 190.442 |
| AX613     | 443048.343 | 279922.514 | 190.26  |
| AX614     | 443070.547 | 279918.04  | 190.13  |
| AX615     | 443113.772 | 279909.331 | 189.92  |
| AX616     | 443170.021 | 279898.036 | 189.62  |
| AX617     | 443203.88  | 279891.199 | 189.44  |
| AX618     | 443209.957 | 279889.972 | 189.4   |
| AX619     | 443226.682 | 279886.54  | 189.31  |
| AX620     | 443237.264 | 279884.463 | 189.28  |
| AX621     | 443321.36  | 279867.53  | 189.04  |
| AX622     | 443337.207 | 279864.331 | 188.96  |
| AX623     | 443404.331 | 279850.783 | 188.61  |
| AX624     | 443470.684 | 279837.418 | 188.25  |
| AX625     | 443500.966 | 279831.318 | 188.09  |
| AX626     | 443604.018 | 279810.59  | 187.36  |
| AX627     | 443607.713 | 279809.847 | 187.34  |
| AX628     | 443651.135 | 279801.086 | 187.06  |
| AX629     | 443710.975 | 279789.099 | 186.68  |
| AX630     | 443737.359 | 279783.793 | 186.58  |
| AX631     | 443831.736 | 279764.813 | 186.22  |
| AX632     | 443863.283 | 279758.404 | 186.1   |
| AX633     | 443870.676 | 279756.873 | 186.07  |
| AX634     | 443906.716 | 279749.413 | 185.93  |
| AX635     | 443947.58  | 279740.35  | 185.67  |
| AX636     | 443965.692 | 279735.989 | 185.61  |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12942    | 482736.379 | 217716.34  | 98.37  |
| P12943    | 482665.318 | 217375.266 | 97.43  |
| P12944    | 482676.197 | 217374.016 | 97.36  |
| P12945    | 482687.754 | 217372.67  | 97.3   |
| P12946    | 482697.793 | 217371.55  | 97.41  |
| P12947    | 482701.505 | 217371.202 | 98.03  |
| P12948    | 482710.444 | 217369.982 | 99.1   |
| P12949    | 482713.446 | 217370.085 | 99.13  |
| P12950    | 482717.511 | 217369.939 | 99.2   |
| P12951    | 482720.926 | 217370.144 | 99.247 |
| P12952    | 482736.284 | 217371.064 | 99.46  |
| P12953    | 482737.119 | 217370.896 | 99.31  |
| P12954    | 482737.711 | 217370.69  | 99.47  |
| P12955    | 482739.44  | 217370.049 | 99.36  |
| P12956    | 482740.192 | 217369.882 | 99.6   |
| P12957    | 482741.055 | 217369.862 | 99.76  |
| P12958    | 482741.837 | 217369.857 | 99.49  |
| P12959    | 482742.524 | 217369.904 | 99.78  |
| P12960    | 482743.127 | 217369.843 | 99.629 |
| P12961    | 482743.401 | 217369.815 | 99.56  |
| P12962    | 482744.284 | 217369.723 | 99.52  |
| P12963    | 482745.286 | 217369.695 | 99.83  |
| P12964    | 482745.614 | 217369.853 | 99.852 |
| P12965    | 482746.163 | 217370.118 | 99.89  |
| P12966    | 482746.889 | 217370.049 | 99.67  |
| P12967    | 482747.661 | 217369.874 | 99.9   |
| P12968    | 482748.232 | 217369.867 | 99.56  |
| P12969    | 482749.254 | 217370.011 | 99.32  |
| P12970    | 482749.995 | 217370.076 | 99.04  |
| P12971    | 482750.372 | 217370.134 | 99.19  |
| P12972    | 482751.082 | 217370.018 | 99.4   |
| P12973    | 482751.781 | 217370.087 | 99.22  |
| P12974    | 482752.515 | 217370.003 | 99.41  |
| P12975    | 482753.306 | 217369.826 | 99.2   |
| P12976    | 482753.887 | 217369.826 | 98.99  |
| P12977    | 482755.574 | 217369.77  | 99.39  |
| P12978    | 482756.442 | 217369.682 | 99.53  |
| P12979    | 482757.312 | 217369.677 | 99.31  |
| P12980    | 482757.911 | 217369.672 | 99.53  |
| P12981    | 482758.612 | 217369.67  | 99.28  |
| P12982    | 482760.012 | 217369.167 | 98.67  |
| P12983    | 482761.692 | 217368.91  | 98.51  |
| P12984    | 482763.362 | 217368.265 | 97.56  |
| P12985    | 482765.188 | 217368.346 | 97.01  |
| P12986    | 482766.565 | 217368.125 | 96.35  |
| P12987    | 482767.93  | 217367.845 | 96.28  |
| P12988    | 482769.126 | 217367.831 | 96.49  |
| P12989    | 482770.217 | 217367.812 | 96.73  |
| P12990    | 482774.459 | 217368.242 | 96.96  |
| P12991    | 482781.541 | 217367.726 | 96.87  |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX637     | 443976.843 | 279733.181 | 185.58  |
| AX638     | 444001.692 | 279726.573 | 185.5   |
| AX639     | 444003.139 | 279726.156 | 185.49  |
| AX640     | 444023.762 | 279720.205 | 185.42  |
| AX641     | 444045.446 | 279713.47  | 185.35  |
| AX642     | 444068.09  | 279705.915 | 185.23  |
| AX643     | 444091.303 | 279697.561 | 185.11  |
| AX644     | 444112.646 | 279689.325 | 185     |
| AX645     | 444115.127 | 279688.344 | 184.98  |
| AX646     | 444131.571 | 279681.66  | 184.92  |
| AX647     | 444134.552 | 279680.448 | 184.91  |
| AX648     | 444152.266 | 279673.047 | 184.84  |
| AX649     | 444174.007 | 279663.781 | 184.75  |
| AX650     | 444209.046 | 279648.55  | 184.54  |
| AX651     | 444241.431 | 279634.444 | 184.35  |
| AX652     | 444256.487 | 279627.87  | 184.26  |
| AX653     | 444295.576 | 279610.804 | 184.03  |
| AX654     | 444381.144 | 279573.475 | 183.65  |
| AX655     | 444446.511 | 279544.959 | 183.35  |
| AX656     | 444469.034 | 279535.123 | 183.33  |
| AX657     | 444489.908 | 279526.033 | 183.32  |
| AX658     | 444505.809 | 279519.098 | 183.27  |
| AX659     | 444537.342 | 279505.345 | 183.16  |
| AX660     | 444567.179 | 279492.315 | 183.05  |
| AX661     | 444629.097 | 279465.303 | 182.88  |
| AX662     | 444655.938 | 279453.597 | 182.8   |
| AX663     | 444673.788 | 279445.804 | 182.75  |
| AX664     | 444720.172 | 279425.6   | 182.65  |
| AX665     | 444755.144 | 279410.351 | 182.57  |
| AX666     | 444811.912 | 279385.598 | 182.44  |
| AX667     | 444822.039 | 279381.192 | 182.42  |
| AX668     | 444875.765 | 279357.731 | 182.33  |
| AX669     | 444879.806 | 279355.966 | 182.32  |
| AX670     | 444940.932 | 279329.273 | 182.22  |
| AX671     | 444945.261 | 279327.4   | 182.21  |
| AX672     | 445004.453 | 279301.545 | 182.06  |
| AX673     | 445019.761 | 279294.858 | 182.03  |
| AX674     | 445026.088 | 279292.122 | 182.01  |
| AX675     | 445081.344 | 279268.008 | 181.76  |
| AX676     | 445109.259 | 279255.824 | 181.643 |
| AX1639    | 444511.214 | 279504.288 | 183.903 |
| AX1640    | 444506.632 | 279505.768 | 183.926 |
| AX1641    | 444493.855 | 279509.313 | 183.964 |
| AX1642    | 444483.402 | 279512.495 | 184.008 |
| AX1643    | 444471.818 | 279515.906 | 184.057 |
| AX1644    | 444440.004 | 279526.455 | 184.492 |
| AX1645    | 444435.927 | 279528.076 | 184.544 |
| AX1646    | 444431.724 | 279529.748 | 184.597 |
| AX1647    | 444424.8   | 279532.63  | 184.725 |
| AX1648    | 444417.876 | 279535.511 | 184.848 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12992    | 482789.732 | 217365.909 | 97.11  |
| P12993    | 482791.597 | 217365.51  | 97.7   |
| P12994    | 482799.538 | 217363.577 | 98.14  |
| P12995    | 482803.195 | 217362.973 | 98.16  |
| P12996    | 482809.26  | 217361.647 | 98.05  |
| P12997    | 482815.423 | 217360.013 | 98.1   |
| P12998    | 482690.052 | 216882.325 | 98.67  |
| P12999    | 482690.952 | 216882.047 | 98.68  |
| P13000    | 482691.536 | 216882.049 | 98.85  |
| P13001    | 482692.207 | 216882.001 | 98.64  |
| P13002    | 482693.053 | 216882.126 | 98.85  |
| P13003    | 482693.539 | 216882.079 | 98.68  |
| P13004    | 482694.787 | 216882.235 | 98.49  |
| P13005    | 482695.317 | 216882.199 | 98.91  |
| P13006    | 482696.069 | 216881.963 | 98.99  |
| P13007    | 482696.718 | 216881.943 | 98.79  |
| P13008    | 482697.579 | 216881.888 | 98.98  |
| P13009    | 482697.712 | 216881.903 | 98.97  |
| P13010    | 482698.392 | 216881.788 | 98.79  |
| P13011    | 482699.213 | 216881.933 | 98.96  |
| P13012    | 482699.532 | 216881.764 | 98.83  |
| P13013    | 482700.143 | 216881.657 | 98.34  |
| P13014    | 482700.839 | 216881.509 | 98.3   |
| P13015    | 482701.142 | 216881.501 | 98.59  |
| P13016    | 482701.48  | 216881.46  | 98.596 |
| P13017    | 482702.313 | 216881.36  | 98.61  |
| P13018    | 482703     | 216881.374 | 98.584 |
| P13019    | 482705.492 | 216881.425 | 98.49  |
| P13020    | 482640.035 | 216820.542 | 97.56  |
| P13021    | 482651.381 | 216815.748 | 97.78  |
| P13022    | 482666.142 | 216814.435 | 98.19  |
| P13023    | 482678.065 | 216812     | 98.51  |
| P13024    | 482686.807 | 216810.371 | 98.44  |
| P13025    | 482687.898 | 216810.239 | 98.84  |
| P13026    | 482688.579 | 216810.3   | 98.87  |
| P13027    | 482689.309 | 216810.188 | 98.66  |
| P13028    | 482690.09  | 216810.146 | 98.87  |
| P13029    | 482690.848 | 216809.947 | 98.8   |
| P13030    | 482691.51  | 216810.094 | 98.44  |
| P13031    | 482693.828 | 216810.124 | 98.342 |
| P13032    | 482694.58  | 216810.134 | 98.31  |
| P13033    | 482695.283 | 216810.016 | 98.342 |
| P13034    | 482698.973 | 216809.396 | 98.51  |
| P13035    | 482705.816 | 216808.31  | 98.14  |
| P13036    | 482713.918 | 216807.565 | 97.72  |
| P13037    | 482737.149 | 216807.115 | 96.8   |
| P13038    | 482598.415 | 216520.19  | 95.44  |
| P13039    | 482610.913 | 216518.284 | 95.5   |
| P13040    | 482626.503 | 216515.022 | 95.68  |
| P13041    | 482639.564 | 216513.066 | 95.81  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1649    | 444412.056 | 279537.941 | 184.952 |
| AX1650    | 444406.939 | 279540.109 | 185.043 |
| AX1651    | 444402.415 | 279542.096 | 185.125 |
| AX1652    | 444396.741 | 279544.645 | 185.227 |
| AX1653    | 444390.39  | 279547.518 | 185.342 |
| AX1654    | 444383.557 | 279550.61  | 185.465 |
| AX1655    | 444377.266 | 279553.456 | 185.579 |
| AX1656    | 444371.651 | 279555.976 | 185.68  |
| AX1657    | 444367.244 | 279557.904 | 185.759 |
| AX1658    | 444362.004 | 279560.117 | 185.853 |
| AX1659    | 444355.916 | 279562.652 | 185.961 |
| AX1660    | 444349.134 | 279565.471 | 186.082 |
| AX1661    | 444342.749 | 279568.124 | 186.196 |
| AX1662    | 444337.057 | 279570.493 | 186.297 |
| AX1663    | 444328.497 | 279574.079 | 186.387 |
| AX1664    | 444324.246 | 279575.88  | 186.459 |
| AX1665    | 444320.089 | 279577.658 | 186.529 |
| AX1666    | 444315.312 | 279579.716 | 186.61  |
| AX1667    | 444310.795 | 279581.668 | 186.686 |
| AX1668    | 444306.15  | 279583.683 | 186.764 |
| AX1669    | 444300.598 | 279586.094 | 186.858 |
| AX1670    | 444295.046 | 279588.506 | 186.952 |
| AX1671    | 444290.201 | 279590.604 | 187.034 |
| AX1672    | 444285.827 | 279592.489 | 187.108 |
| AX1673    | 444281.212 | 279594.471 | 187.186 |
| AX1674    | 444277.019 | 279596.276 | 187.257 |
| AX1675    | 444272.053 | 279598.427 | 187.356 |
| AX1676    | 444266.584 | 279600.802 | 187.454 |
| AX1677    | 444261.117 | 279603.178 | 187.551 |
| AX1678    | 444256.52  | 279605.176 | 187.634 |
| AX1679    | 444251.487 | 279607.362 | 187.724 |
| AX1680    | 444245.53  | 279609.949 | 187.83  |
| AX1681    | 444238.983 | 279612.792 | 187.948 |
| AX1682    | 444232.888 | 279615.439 | 188.057 |
| AX1683    | 444227.578 | 279617.746 | 188.152 |
| AX1684    | 444223.545 | 279619.5   | 188.224 |
| AX1685    | 444218.922 | 279621.513 | 188.307 |
| AX1686    | 444209.886 | 279625.446 | 188.381 |
| AX1687    | 444204.667 | 279627.715 | 188.457 |
| AX1688    | 444199.446 | 279629.983 | 188.534 |
| AX1689    | 444195.081 | 279631.876 | 188.598 |
| AX1690    | 444189.813 | 279634.154 | 188.675 |
| AX1691    | 444184.425 | 279636.482 | 188.754 |
| AX1692    | 444179.421 | 279638.651 | 188.827 |
| AX1693    | 444172.994 | 279641.466 | 188.895 |
| AX1694    | 444168.794 | 279643.285 | 188.964 |
| AX1695    | 444163.157 | 279645.711 | 189.057 |
| AX1696    | 444157.517 | 279648.128 | 189.15  |
| AX1697    | 444152.505 | 279650.266 | 189.232 |
| AX1698    | 444148.293 | 279652.045 | 189.301 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13042    | 482651.151 | 216513.364 | 95.75  |
| P13043    | 482654.444 | 216512.307 | 97.26  |
| P13044    | 482655.994 | 216512.013 | 97.77  |
| P13045    | 482657.022 | 216512.031 | 98.21  |
| P13046    | 482657.832 | 216511.924 | 98.45  |
| P13047    | 482658.627 | 216511.968 | 98.2   |
| P13048    | 482659.341 | 216511.952 | 98.46  |
| P13049    | 482659.876 | 216511.947 | 98.29  |
| P13050    | 482661.428 | 216512.032 | 97.485 |
| P13051    | 482661.572 | 216512.04  | 97.41  |
| P13052    | 482663.1   | 216512.584 | 96.98  |
| P13053    | 482667.209 | 216511.771 | 95.27  |
| P13054    | 482668.831 | 216511.3   | 95.172 |
| P13055    | 482671.692 | 216510.47  | 95     |
| P13056    | 482674.422 | 216510.355 | 94.68  |
| P13057    | 482676.754 | 216508.217 | 95.87  |
| P13058    | 482682.752 | 216507.085 | 96.14  |
| P13059    | 482693.534 | 216505.17  | 96.17  |
| P13060    | 482707.241 | 216502.673 | 96.34  |
| P13061    | 482584.797 | 216389.964 | 95.69  |
| P13062    | 482592.289 | 216390.011 | 95.68  |
| P13063    | 482604.768 | 216386.713 | 95.69  |
| P13064    | 482615.166 | 216384.854 | 95.79  |
| P13065    | 482624.63  | 216384.345 | 95.83  |
| P13066    | 482630.616 | 216384.065 | 95.9   |
| P13067    | 482635.035 | 216382.757 | 95.77  |
| P13068    | 482638.647 | 216382.268 | 95.94  |
| P13069    | 482640.894 | 216382.076 | 96.83  |
| P13070    | 482642.77  | 216382.746 | 97.42  |
| P13071    | 482643.975 | 216383.055 | 98.15  |
| P13072    | 482644.754 | 216383.32  | 98.32  |
| P13073    | 482645.402 | 216383.346 | 98.11  |
| P13074    | 482646.148 | 216383.433 | 98.34  |
| P13075    | 482646.793 | 216383.39  | 98.14  |
| P13076    | 482648.297 | 216383.39  | 97.33  |
| P13077    | 482650.56  | 216383.437 | 96.98  |
| P13078    | 482652.598 | 216383.285 | 95.78  |
| P13079    | 482655.658 | 216383.319 | 95.26  |
| P13080    | 482657.312 | 216383.848 | 94.48  |
| P13081    | 482658.776 | 216384.347 | 94.53  |
| P13082    | 482660.379 | 216384.015 | 95.7   |
| P13083    | 482671.938 | 216382.158 | 95.99  |
| P13084    | 482682.612 | 216380.645 | 95.99  |
| P13085    | 482697.789 | 216377.848 | 96.08  |
| P13086    | 482710.685 | 216375.559 | 96.16  |
| P13087    | 482557.919 | 216093.176 | 96     |
| P13088    | 482571.996 | 216090.286 | 95.99  |
| P13089    | 482592.195 | 216087.617 | 96.15  |
| P13090    | 482604.655 | 216086.297 | 96.35  |
| P13091    | 482611.345 | 216087.413 | 97.243 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1699    | 444143.63  | 279653.977 | 189.378 |
| AX1700    | 444139.387 | 279655.668 | 189.447 |
| AX1701    | 444132.674 | 279658.184 | 189.452 |
| AX1702    | 444129.572 | 279659.318 | 189.625 |
| AX1703    | 444125.139 | 279660.9   | 189.699 |
| AX1704    | 444121.212 | 279662.242 | 189.764 |
| AX1705    | 444117.182 | 279663.545 | 189.83  |
| AX1706    | 444113.356 | 279664.719 | 189.893 |
| AX1707    | 444108.713 | 279666.073 | 189.968 |
| AX1708    | 444105.331 | 279667.002 | 190.023 |
| AX1709    | 444100.886 | 279668.134 | 190.095 |
| AX1710    | 444097.689 | 279668.909 | 190.146 |
| AX1711    | 444093.58  | 279669.852 | 190.212 |
| AX1712    | 444090.712 | 279670.474 | 190.239 |
| AX1713    | 444086.7   | 279671.303 | 190.297 |
| AX1714    | 444082.957 | 279672.061 | 190.351 |
| AX1715    | 444078.017 | 279673.062 | 190.422 |
| AX1716    | 444073.176 | 279674.045 | 190.492 |
| AX1717    | 444068.827 | 279674.933 | 190.564 |
| AX1718    | 444063.872 | 279675.949 | 190.646 |
| AX1719    | 444059.247 | 279676.898 | 190.722 |
| AX1720    | 444054.177 | 279677.936 | 190.782 |
| AX1721    | 444047.967 | 279679.204 | 190.854 |
| AX1722    | 444041.022 | 279680.622 | 190.934 |
| AX1723    | 444033.674 | 279682.123 | 191.019 |
| AX1724    | 444026.325 | 279683.623 | 191.104 |
| AX1725    | 444019.555 | 279685.006 | 191.182 |
| AX1726    | 444013.519 | 279686.236 | 191.252 |
| AX1727    | 444003.226 | 279688.315 | 191.258 |
| AX1728    | 443996.765 | 279689.612 | 191.264 |
| AX1729    | 443989.568 | 279691.056 | 191.27  |
| AX1730    | 443982.214 | 279692.531 | 191.276 |
| AX1731    | 443974.86  | 279694.006 | 191.283 |
| AX1732    | 443967.506 | 279695.481 | 191.289 |
| AX1733    | 443960.218 | 279696.943 | 191.296 |
| AX1734    | 443953.666 | 279698.258 | 191.301 |
| AX1735    | 443947.916 | 279699.412 | 191.306 |
| AX1736    | 443943.371 | 279700.325 | 191.31  |
| AX1737    | 443937.422 | 279701.522 | 191.316 |
| AX1738    | 443930.857 | 279702.843 | 191.321 |
| AX1739    | 443924.359 | 279704.151 | 191.327 |
| AX1740    | 443918.715 | 279705.286 | 191.332 |
| AX1741    | 443914.064 | 279706.221 | 191.32  |
| AX1742    | 443908.062 | 279707.425 | 191.3   |
| AX1743    | 443901.324 | 279708.776 | 191.278 |
| AX1744    | 443894.561 | 279710.131 | 191.256 |
| AX1745    | 443888.622 | 279711.319 | 191.237 |
| AX1746    | 443884.744 | 279712.09  | 191.224 |
| AX1747    | 443880.796 | 279712.875 | 191.211 |
| AX1748    | 443877.087 | 279713.628 | 191.199 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13092    | 482612.599 | 216087.622 | 97.41  |
| P13093    | 482613.659 | 216087.621 | 97.82  |
| P13094    | 482614.262 | 216087.551 | 98.07  |
| P13095    | 482614.969 | 216087.492 | 97.84  |
| P13096    | 482615.814 | 216087.452 | 98.06  |
| P13097    | 482616.367 | 216087.401 | 97.84  |
| P13098    | 482617.789 | 216087.353 | 97.2   |
| P13099    | 482619.579 | 216087.177 | 96.818 |
| P13100    | 482621.772 | 216086.962 | 96.35  |
| P13101    | 482623.612 | 216087.176 | 95.13  |
| P13102    | 482624.176 | 216086.989 | 94.78  |
| P13103    | 482624.952 | 216087.134 | 95     |
| P13104    | 482626.715 | 216087.283 | 96.18  |
| P13105    | 482629.244 | 216086.464 | 96.48  |
| P13106    | 482633.147 | 216085.966 | 96.43  |
| P13107    | 482639.305 | 216084.641 | 96.6   |
| P13108    | 482650.49  | 216082.731 | 96.5   |
| P13109    | 482663.493 | 216080.401 | 96.35  |
| P13110    | 482674.148 | 216078.543 | 96.34  |
| P13111    | 482546.623 | 216003.264 | 95.97  |
| P13112    | 482558.203 | 216002.441 | 96.09  |
| P13113    | 482568.531 | 216001.544 | 96.04  |
| P13114    | 482580.434 | 216001.498 | 96.18  |
| P13115    | 482589.446 | 216001.363 | 96.27  |
| P13116    | 482597.366 | 216000.161 | 96.33  |
| P13117    | 482602.408 | 215997.202 | 96.93  |
| P13118    | 482603.533 | 215997.15  | 97.21  |
| P13119    | 482604.397 | 215997.033 | 97.68  |
| P13120    | 482605.124 | 215996.948 | 97.89  |
| P13121    | 482605.821 | 215996.837 | 97.69  |
| P13122    | 482606.571 | 215996.808 | 97.9   |
| P13123    | 482607.226 | 215996.694 | 97.67  |
| P13124    | 482608.309 | 215996.326 | 97.169 |
| P13125    | 482608.349 | 215996.312 | 97.15  |
| P13126    | 482609.64  | 215996.208 | 96.74  |
| P13127    | 482611.701 | 215995.967 | 96.4   |
| P13128    | 482613.895 | 215995.945 | 95.07  |
| P13129    | 482614.914 | 215995.524 | 94.99  |
| P13130    | 482616.481 | 215994.863 | 96.12  |
| P13131    | 482619.75  | 215994.282 | 96.33  |
| P13132    | 482633.445 | 215992.837 | 96.19  |
| P13133    | 482639.423 | 215990.984 | 96.19  |
| P13134    | 482644.427 | 215991.048 | 96.14  |
| P13135    | 482657.152 | 215988.933 | 96.12  |
| P13136    | 482666.779 | 215984.131 | 96.25  |
| P13137    | 482669.932 | 215986.418 | 96.24  |
| P13138    | 482681.614 | 215983.638 | 96.33  |
| P13139    | 482691.763 | 215981.758 | 96.38  |
| P13140    | 482548.347 | 215918.686 | 96.03  |
| P13141    | 482559.178 | 215917.311 | 95.9   |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1749    | 443866.21  | 279715.945 | 191.164 |
| AX1750    | 443861.294 | 279717.222 | 191.24  |
| AX1751    | 443856.172 | 279718.92  | 191.322 |
| AX1752    | 443850.115 | 279721.14  | 191.312 |
| AX1753    | 443843.368 | 279723.667 | 191.3   |
| AX1754    | 443836.343 | 279726.297 | 191.289 |
| AX1755    | 443829.319 | 279728.928 | 191.277 |
| AX1756    | 443822.295 | 279731.558 | 191.266 |
| AX1757    | 443815.271 | 279734.188 | 191.254 |
| AX1758    | 443808.908 | 279736.571 | 191.243 |
| AX1759    | 443799.689 | 279740.038 | 191.074 |
| AX1760    | 443795.911 | 279741.495 | 191.052 |
| AX1761    | 443793.439 | 279742.484 | 191.04  |
| AX1762    | 443790.191 | 279743.82  | 191.026 |
| AX1763    | 443787.07  | 279745.083 | 191.011 |
| AX1764    | 443783.138 | 279746.602 | 190.993 |
| AX1765    | 443778.726 | 279748.184 | 190.974 |
| AX1766    | 443772.77  | 279750.252 | 190.947 |
| AX1767    | 443766.095 | 279752.541 | 190.917 |
| AX1768    | 443759.67  | 279754.745 | 190.888 |
| AX1769    | 443754.309 | 279756.563 | 190.864 |
| AX1770    | 443751.023 | 279757.619 | 190.85  |
| AX1771    | 443748.131 | 279758.461 | 190.837 |
| AX1772    | 443745.155 | 279759.249 | 190.824 |
| AX1773    | 443741.712 | 279760.137 | 190.66  |
| AX1774    | 443736.464 | 279761.464 | 190.652 |
| AX1775    | 443730.714 | 279762.911 | 190.646 |
| AX1776    | 443724.958 | 279764.333 | 190.64  |
| AX1777    | 443720.503 | 279765.373 | 190.636 |
| AX1778    | 443715.247 | 279766.528 | 190.63  |
| AX1779    | 443705.964 | 279768.491 | 190.787 |
| AX1780    | 443702.012 | 279769.296 | 190.782 |
| AX1781    | 443698.785 | 279769.953 | 190.779 |
| AX1782    | 443694.116 | 279770.908 | 190.774 |
| AX1783    | 443689.546 | 279771.844 | 190.768 |
| AX1784    | 443684.861 | 279772.801 | 190.763 |
| AX1785    | 443680.264 | 279773.736 | 190.758 |
| AX1786    | 443674.943 | 279774.814 | 190.752 |
| AX1787    | 443669.882 | 279775.83  | 190.746 |
| AX1788    | 443664.36  | 279776.935 | 190.74  |
| AX1789    | 443658.839 | 279778.038 | 190.734 |
| AX1790    | 443654.329 | 279778.941 | 190.729 |
| AX1791    | 443648.543 | 279780.102 | 190.723 |
| AX1792    | 443634.668 | 279782.888 | 190.707 |
| AX1793    | 443621.785 | 279785.475 | 190.667 |
| AX1794    | 443611.488 | 279787.537 | 190.659 |
| AX1795    | 443605.06  | 279788.823 | 190.65  |
| AX1796    | 443597.896 | 279790.256 | 190.641 |
| AX1797    | 443590.541 | 279791.727 | 190.632 |
| AX1798    | 443583.186 | 279793.198 | 190.622 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13142    | 482570.259 | 215915.934 | 96.02  |
| P13143    | 482579.8   | 215914.85  | 96.09  |
| P13144    | 482590.666 | 215913.45  | 96.03  |
| P13145    | 482594.855 | 215913.143 | 97.19  |
| P13146    | 482595.641 | 215912.997 | 97.65  |
| P13147    | 482596.426 | 215912.915 | 97.86  |
| P13148    | 482597.228 | 215912.831 | 97.63  |
| P13149    | 482597.887 | 215912.841 | 97.87  |
| P13150    | 482598.581 | 215912.805 | 97.63  |
| P13151    | 482599.601 | 215912.71  | 97.1   |
| P13152    | 482600.91  | 215912.692 | 96.819 |
| P13153    | 482603.788 | 215912.653 | 96.2   |
| P13154    | 482604.791 | 215912.966 | 95.42  |
| P13155    | 482605.396 | 215912.625 | 95.01  |
| P13156    | 482606.557 | 215912.7   | 94.92  |
| P13157    | 482607.756 | 215912.59  | 95.64  |
| P13158    | 482609.379 | 215912.608 | 96.38  |
| P13159    | 482613.815 | 215911.967 | 96.37  |
| P13160    | 482623.466 | 215910.809 | 96.34  |
| P13161    | 482637.04  | 215909.324 | 96.18  |
| P13162    | 482651.87  | 215906.982 | 96.22  |
| P13163    | 483211.765 | 222442.296 | 96.3   |
| P13164    | 483228.596 | 222439.067 | 95.98  |
| P13165    | 483237.973 | 222438.062 | 96.21  |
| P13166    | 483251.526 | 222436.076 | 96.22  |
| P13167    | 483257.262 | 222435.014 | 96.699 |
| P13168    | 483264.082 | 222434.339 | 98.4   |
| P13169    | 483265.148 | 222434.625 | 98.443 |
| P13170    | 483265.922 | 222434.646 | 98.721 |
| P13171    | 483266.513 | 222434.558 | 98.948 |
| P13172    | 483267.912 | 222434.534 | 98.957 |
| P13173    | 483268.558 | 222434.502 | 98.728 |
| P13174    | 483269.4   | 222434.461 | 98.495 |
| P13175    | 483272.241 | 222433.862 | 97.841 |
| P13176    | 483275.782 | 222433.867 | 96.664 |
| P13177    | 483280.522 | 222433.599 | 96.338 |
| P13178    | 483288.73  | 222431.736 | 96.51  |
| P13179    | 483300.202 | 222430.261 | 96.681 |
| P13180    | 483307.906 | 222428.786 | 96.581 |
| P13181    | 483316.1   | 222427.475 | 96.687 |
| P13182    | 483332.287 | 222423.559 | 96.717 |
| P13183    | 483334.216 | 222422.453 | 95.893 |
| P13184    | 483336.454 | 222421.475 | 96.562 |
| P13185    | 483328.861 | 222325.408 | 96.891 |
| P13186    | 483310.588 | 222336.907 | 96.525 |
| P13187    | 483308.36  | 222337.822 | 95.036 |
| P13188    | 483306.811 | 222339.086 | 96.539 |
| P13189    | 483297.794 | 222348.448 | 97.02  |
| P13190    | 483294.873 | 222351.719 | 96.28  |
| P13191    | 483283.096 | 222353.025 | 96.07  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1799    | 443575.831 | 279794.669 | 190.613 |
| AX1800    | 443568.476 | 279796.14  | 190.603 |
| AX1801    | 443561.833 | 279797.469 | 190.595 |
| AX1802    | 443555.925 | 279798.653 | 190.587 |
| AX1803    | 443545.634 | 279800.737 | 190.566 |
| AX1804    | 443539.043 | 279802.079 | 190.548 |
| AX1805    | 443531.717 | 279803.57  | 190.529 |
| AX1806    | 443524.368 | 279805.067 | 190.509 |
| AX1807    | 443517.101 | 279806.546 | 190.49  |
| AX1808    | 443510.569 | 279807.876 | 190.472 |
| AX1809    | 443504.854 | 279809.039 | 190.457 |
| AX1810    | 443494.935 | 279811.058 | 190.457 |
| AX1811    | 443488.992 | 279812.267 | 190.457 |
| AX1812    | 443483.75  | 279813.331 | 190.457 |
| AX1813    | 443478.701 | 279814.353 | 190.457 |
| AX1814    | 443472.5   | 279815.605 | 190.457 |
| AX1815    | 443465.563 | 279817.004 | 190.457 |
| AX1816    | 443443.668 | 279821.422 | 190.457 |
| AX1817    | 443437.213 | 279822.724 | 190.457 |
| AX1818    | 443431.734 | 279823.825 | 190.457 |
| AX1819    | 443426.917 | 279824.787 | 190.461 |
| AX1820    | 443421.029 | 279825.956 | 190.468 |
| AX1821    | 443415.141 | 279827.123 | 190.475 |
| AX1822    | 443409.576 | 279828.231 | 190.481 |
| AX1823    | 443404.844 | 279829.181 | 190.487 |
| AX1824    | 443399.111 | 279830.34  | 190.494 |
| AX1825    | 443392.027 | 279831.775 | 190.502 |
| AX1826    | 443385.273 | 279833.144 | 190.51  |
| AX1827    | 443379.253 | 279834.363 | 190.517 |
| AX1828    | 443369.344 | 279836.369 | 190.526 |
| AX1829    | 443362.907 | 279837.671 | 190.536 |
| AX1830    | 443357.141 | 279838.84  | 190.544 |
| AX1831    | 443351.823 | 279839.926 | 190.552 |
| AX1832    | 443346.568 | 279841.012 | 190.559 |
| AX1833    | 443340.27  | 279842.323 | 190.569 |
| AX1834    | 443333.618 | 279843.709 | 190.578 |
| AX1835    | 443325.895 | 279845.318 | 190.589 |
| AX1836    | 443318.709 | 279846.816 | 190.6   |
| AX1837    | 443312.256 | 279848.158 | 190.609 |
| AX1838    | 443306.692 | 279849.304 | 190.617 |
| AX1839    | 443301.967 | 279850.253 | 190.624 |
| AX1840    | 443295.923 | 279851.444 | 190.633 |
| AX1841    | 443289.142 | 279852.771 | 190.643 |
| AX1842    | 443281.781 | 279854.212 | 190.653 |
| AX1843    | 443274.42  | 279855.653 | 190.664 |
| AX1844    | 443267.059 | 279857.094 | 190.675 |
| AX1845    | 443259.698 | 279858.534 | 190.685 |
| AX1846    | 443246.908 | 279861.042 | 190.704 |
| AX1847    | 443236.61  | 279863.094 | 190.719 |
| AX1848    | 443222.917 | 279865.851 | 190.739 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13192    | 483274.541 | 222351.86  | 95.95  |
| P13193    | 483267.752 | 222352.908 | 96.111 |
| P13194    | 483260.92  | 222352.996 | 97.915 |
| P13195    | 483260.22  | 222353.005 | 98.1   |
| P13196    | 483259.67  | 222353.012 | 98.246 |
| P13197    | 483258.744 | 222353.024 | 98.49  |
| P13198    | 483257.829 | 222352.935 | 98.016 |
| P13199    | 483257.383 | 222352.892 | 97.785 |
| P13200    | 483256.479 | 222352.805 | 97.316 |
| P13201    | 483251.702 | 222352.342 | 94.84  |
| P13202    | 483248.646 | 222355.704 | 94.84  |
| P13203    | 483246.846 | 222358.37  | 95.45  |
| P13204    | 483243.865 | 222364.594 | 96.33  |
| P13205    | 483241.378 | 222371.59  | 96.39  |
| P13206    | 483228.955 | 222379.742 | 96.24  |
| P13207    | 483216.256 | 222388.919 | 96.38  |
| P13208    | 483201.236 | 222395.064 | 96.4   |
| P13209    | 483204.719 | 222399.709 | 96.24  |
| P13210    | 483218.371 | 222404.032 | 96.28  |
| P13211    | 483231.079 | 222406.027 | 96.32  |
| P13212    | 483248.058 | 222406.83  | 96.16  |
| P13213    | 483253.492 | 222406.66  | 96.604 |
| P13214    | 483256.442 | 222406.332 | 97.168 |
| P13215    | 483261.198 | 222405.618 | 98.462 |
| P13216    | 483262.023 | 222405.471 | 98.453 |
| P13217    | 483262.883 | 222405.472 | 98.635 |
| P13218    | 483263.513 | 222405.447 | 98.875 |
| P13219    | 483264.89  | 222405.242 | 98.896 |
| P13220    | 483265.517 | 222405.034 | 98.66  |
| P13221    | 483266.275 | 222404.797 | 98.469 |
| P13222    | 483268.311 | 222404.556 | 98.032 |
| P13223    | 483274.307 | 222404.202 | 96.559 |
| P13224    | 483278.321 | 222404.744 | 96.162 |
| P13225    | 483286.271 | 222402.727 | 96.705 |
| P13226    | 483294.958 | 222401.743 | 96.523 |
| P13227    | 483304.628 | 222399.94  | 96.21  |
| P13228    | 483308.233 | 222399.121 | 96.241 |
| P13229    | 483322.9   | 222395.168 | 96.751 |
| P13230    | 483326.706 | 222399.151 | 95.898 |
| P13231    | 483330.204 | 222399.254 | 96.553 |
| P13232    | 483198.483 | 222214.052 | 96.401 |
| P13233    | 483203.154 | 222216.51  | 96.389 |
| P13234    | 483209.791 | 222218.969 | 96.468 |
| P13235    | 483218.642 | 222224.623 | 96.505 |
| P13236    | 483224.296 | 222227.819 | 96.426 |
| P13237    | 483233.638 | 222230.277 | 96.698 |
| P13238    | 483239.105 | 222229.88  | 96.649 |
| P13239    | 483242.209 | 222229.638 | 97.845 |
| P13240    | 483243.918 | 222229.527 | 98.31  |
| P13241    | 483244.92  | 222229.426 | 98.73  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1849    | 443208.211 | 279868.812 | 190.76  |
| AX1850    | 443193.505 | 279871.773 | 190.781 |
| AX1851    | 443179.229 | 279874.648 | 190.802 |
| AX1852    | 443168.016 | 279876.902 | 190.818 |
| AX1853    | 443156.43  | 279879.216 | 190.835 |
| AX1854    | 443142.025 | 279882.089 | 190.856 |
| AX1855    | 443127.314 | 279885.023 | 190.877 |
| AX1856    | 443115.545 | 279887.373 | 190.894 |
| AX1857    | 443104.383 | 279889.632 | 190.911 |
| AX1858    | 443097.836 | 279890.967 | 190.92  |
| AX1859    | 443090.848 | 279892.393 | 190.93  |
| AX1860    | 443084.528 | 279893.684 | 190.939 |
| AX1861    | 443079.237 | 279894.771 | 190.947 |
| AX1862    | 443074.656 | 279895.72  | 190.983 |
| AX1863    | 443069.635 | 279896.764 | 191.027 |
| AX1864    | 443065.025 | 279897.719 | 191.067 |
| AX1865    | 443060.321 | 279898.684 | 191.074 |
| AX1866    | 443055.53  | 279899.658 | 191.081 |
| AX1867    | 443050.79  | 279900.61  | 191.087 |
| AX1868    | 443045.316 | 279901.695 | 191.095 |
| AX1869    | 443039.774 | 279902.786 | 191.102 |
| AX1870    | 443033.705 | 279903.984 | 191.111 |
| AX1871    | 443029.042 | 279904.914 | 191.117 |
| AX1872    | 443023.431 | 279906.047 | 191.125 |
| AX1873    | 443017.697 | 279907.211 | 191.133 |
| AX1874    | 443012.338 | 279908.293 | 191.141 |
| AX1875    | 443007.526 | 279909.249 | 191.147 |
| AX1876    | 443002.039 | 279910.319 | 191.155 |
| AX1877    | 442996.552 | 279911.395 | 191.168 |
| AX1878    | 442991.517 | 279912.414 | 191.185 |
| AX1879    | 442986.273 | 279913.537 | 191.202 |
| AX1880    | 442980.529 | 279914.8   | 191.222 |
| AX1881    | 442974.787 | 279916.078 | 191.241 |
| AX1882    | 442970.509 | 279917.044 | 191.255 |
| AX1883    | 442966.586 | 279917.947 | 191.269 |
| AX1884    | 442962.373 | 279918.936 | 191.283 |
| AX1885    | 442957.032 | 279920.182 | 191.301 |
| AX1886    | 442949.914 | 279921.65  | 191.325 |
| AX1887    | 442944.587 | 279922.568 | 191.343 |
| AX1888    | 442941.685 | 279923.082 | 191.352 |
| AX1889    | 442938.665 | 279923.498 | 191.362 |
| AX1890    | 442934.216 | 279924.052 | 191.377 |
| AX1891    | 442929.877 | 279924.474 | 191.377 |
| AX1892    | 442924.647 | 279924.831 | 191.402 |
| AX1893    | 442920.339 | 279925.011 | 191.422 |
| AX1894    | 442915.465 | 279925.089 | 191.445 |
| AX1895    | 442911.667 | 279925.073 | 191.462 |
| AX1896    | 442905.739 | 279924.912 | 191.49  |
| AX1897    | 442898.935 | 279924.469 | 191.522 |
| AX1898    | 442895.741 | 279924.219 | 191.536 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13242    | 483245.271 | 222229.364 | 98.89  |
| P13243    | 483246.046 | 222229.222 | 98.65  |
| P13244    | 483246.662 | 222229.271 | 98.88  |
| P13245    | 483247.396 | 222229.317 | 98.65  |
| P13246    | 483248.074 | 222228.992 | 98.34  |
| P13247    | 483251.751 | 222228.556 | 97.856 |
| P13248    | 483253.975 | 222228.12  | 97.174 |
| P13249    | 483259.943 | 222227.573 | 96.634 |
| P13250    | 483268.302 | 222227.081 | 96.581 |
| P13251    | 483278.627 | 222227.327 | 96.634 |
| P13252    | 483288.707 | 222226.836 | 96.713 |
| P13253    | 483298.049 | 222224.131 | 96.823 |
| P13254    | 483201.122 | 222479.422 | 96.64  |
| P13255    | 483213.719 | 222483.751 | 96.42  |
| P13256    | 483227.499 | 222487.319 | 96.37  |
| P13257    | 483240.548 | 222489.172 | 96.34  |
| P13258    | 483254.795 | 222489.99  | 96.21  |
| P13259    | 483263.401 | 222492.247 | 96.2   |
| P13260    | 483266.224 | 222492.887 | 97.04  |
| P13261    | 483266.358 | 222492.917 | 97.08  |
| P13262    | 483270.605 | 222492.828 | 98.46  |
| P13263    | 483271.259 | 222492.79  | 98.5   |
| P13264    | 483271.83  | 222492.622 | 98.84  |
| P13265    | 483272.387 | 222492.682 | 99.08  |
| P13266    | 483273.104 | 222492.621 | 98.85  |
| P13267    | 483273.879 | 222492.587 | 99.08  |
| P13268    | 483274.363 | 222492.546 | 98.89  |
| P13269    | 483275.289 | 222492.497 | 98.53  |
| P13270    | 483279.198 | 222492.784 | 97.661 |
| P13271    | 483281.656 | 222493.049 | 97.191 |
| P13272    | 483288.149 | 222492.651 | 96.604 |
| P13273    | 483292.574 | 222492.323 | 96.22  |
| P13274    | 483304.866 | 222491.503 | 96.162 |
| P13275    | 483317.486 | 222489.864 | 96.14  |
| P13276    | 483334.368 | 222493.142 | 96.331 |
| P13277    | 483354.508 | 222492.653 | 96.634 |
| P13278    | 483356.54  | 222490.403 | 95.879 |
| P13279    | 483358.443 | 222489.876 | 96.592 |
| P13280    | 483198.662 | 222469.295 | 96.342 |
| P13281    | 483228.491 | 222474.294 | 96.143 |
| P13282    | 483240.619 | 222475.278 | 96.226 |
| P13283    | 483257.009 | 222476.425 | 96.511 |
| P13284    | 483261.823 | 222475.878 | 96.795 |
| P13285    | 483268.189 | 222475.245 | 98.31  |
| P13286    | 483269.49  | 222475.122 | 98.43  |
| P13287    | 483270.122 | 222474.966 | 98.84  |
| P13288    | 483270.674 | 222474.94  | 99.05  |
| P13289    | 483271.32  | 222474.847 | 98.78  |
| P13290    | 483271.364 | 222474.824 | 98.82  |
| P13291    | 483272.054 | 222474.677 | 99.04  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1899    | 442892.68  | 279923.87  | 191.55  |
| AX1900    | 442889.264 | 279923.364 | 191.566 |
| AX1901    | 442884.521 | 279922.584 | 191.588 |
| AX1902    | 442879.639 | 279921.751 | 191.61  |
| AX1903    | 442874.769 | 279920.888 | 191.632 |
| AX1904    | 442869.181 | 279919.873 | 191.657 |
| AX1905    | 442863.589 | 279918.887 | 191.682 |
| AX1906    | 442858.738 | 279918.131 | 191.704 |
| AX1907    | 442853.689 | 279917.488 | 191.727 |
| AX1908    | 442848.422 | 279916.913 | 191.751 |
| AX1909    | 442844.188 | 279916.5   | 191.77  |
| AX1910    | 442840.009 | 279916.191 | 191.789 |
| AX1911    | 442836.117 | 279915.985 | 191.807 |
| AX1912    | 442831.483 | 279915.798 | 191.828 |
| AX1913    | 442826.414 | 279915.623 | 191.851 |
| AX1914    | 442822.799 | 279915.514 | 191.868 |
| AX1915    | 442818.524 | 279915.422 | 191.887 |
| AX1916    | 442815.609 | 279915.394 | 191.9   |
| AX1917    | 442812.049 | 279915.394 | 191.917 |
| AX1918    | 442808.844 | 279915.439 | 191.931 |
| AX1919    | 442805.9   | 279915.507 | 191.945 |
| AX1920    | 442802.246 | 279915.638 | 191.962 |
| AX1921    | 442798.677 | 279915.785 | 191.978 |
| AX1922    | 442794.964 | 279916.006 | 191.995 |
| AX1923    | 442791.866 | 279916.241 | 192.01  |
| AX1924    | 442788.103 | 279916.605 | 192.027 |
| AX1925    | 442785.211 | 279916.924 | 192.041 |
| AX1926    | 442781.935 | 279917.341 | 192.056 |
| AX1927    | 442779.105 | 279917.767 | 192.07  |
| AX1928    | 442776.098 | 279918.253 | 192.084 |
| AX1929    | 442773.556 | 279918.701 | 192.096 |
| AX1930    | 442771.361 | 279919.117 | 192.107 |
| AX1931    | 442768.808 | 279919.63  | 192.119 |
| AX1932    | 442765.61  | 279920.317 | 192.134 |
| AX1933    | 442762.793 | 279920.958 | 192.148 |
| AX1934    | 442759.8   | 279921.7   | 192.162 |
| AX1935    | 442757.275 | 279922.364 | 192.175 |
| AX1936    | 442754.682 | 279923.069 | 192.187 |
| AX1937    | 442751.719 | 279923.934 | 192.202 |
| AX1938    | 442749.26  | 279924.706 | 192.214 |
| AX1939    | 442745.892 | 279925.843 | 192.231 |
| AX1940    | 442742.729 | 279926.968 | 192.246 |
| AX1941    | 442738.773 | 279928.404 | 192.266 |
| AX1942    | 442735.425 | 279929.645 | 192.283 |
| AX1943    | 442731.244 | 279931.209 | 192.304 |
| AX1944    | 442727.946 | 279932.452 | 192.32  |
| AX1945    | 442723.568 | 279934.112 | 192.342 |
| AX1946    | 442720.208 | 279935.399 | 192.359 |
| AX1947    | 442715.781 | 279937.108 | 192.381 |
| AX1948    | 442711.671 | 279938.708 | 192.402 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P13292    | 483272.703 | 222474.66  | 98.82  |
| P13293    | 483273.634 | 222474.666 | 98.53  |
| P13294    | 483277.64  | 222474.124 | 97.58  |
| P13295    | 483279.376 | 222473.525 | 96.58  |
| P13296    | 483281.659 | 222473.427 | 96.03  |
| P13297    | 483290.119 | 222473.155 | 96.03  |
| P13298    | 483295.305 | 222472.532 | 96.13  |
| P13299    | 483300.982 | 222471.803 | 96.09  |
| P13300    | 483309.902 | 222469.094 | 96.17  |
| P13301    | 483324.081 | 222464.877 | 96.3   |
| P13302    | 483185.453 | 222119.648 | 96.205 |
| P13303    | 483199.22  | 222116.944 | 96.27  |
| P13304    | 483210.529 | 222112.764 | 96.214 |
| P13305    | 483214.954 | 222111.289 | 96.288 |
| P13306    | 483223.313 | 222107.602 | 96.346 |
| P13307    | 483226.953 | 222107.691 | 96.64  |
| P13308    | 483230.282 | 222107.251 | 97.928 |
| P13309    | 483231.269 | 222107.136 | 98.19  |
| P13310    | 483231.916 | 222106.973 | 98.53  |
| P13311    | 483232.593 | 222107.081 | 98.83  |
| P13312    | 483233.244 | 222106.899 | 98.57  |
| P13313    | 483233.966 | 222106.906 | 98.77  |
| P13314    | 483234.762 | 222107.016 | 98.62  |
| P13315    | 483235.449 | 222106.798 | 98.3   |
| P13316    | 483239.03  | 222105.89  | 97.796 |
| P13317    | 483241.566 | 222105.489 | 96.78  |
| P13318    | 483245.439 | 222104.651 | 96.458 |
| P13319    | 483251.093 | 222104.897 | 96.448 |
| P13320    | 483259.698 | 222104.651 | 96.259 |
| P13321    | 483266.335 | 222103.668 | 96.345 |
| P13322    | 483272.727 | 222102.439 | 96.411 |
| P13323    | 483285.511 | 222100.226 | 96.506 |
| P13324    | 483166.031 | 221969.438 | 96.052 |
| P13325    | 483185.699 | 221966.979 | 96.772 |
| P13326    | 483197.745 | 221963.538 | 97.294 |
| P13327    | 483205.12  | 221961.325 | 98.026 |
| P13328    | 483210.037 | 221960.096 | 98.342 |
| P13329    | 483212.403 | 221958.96  | 96.233 |
| P13330    | 483215.351 | 221958.264 | 98.441 |
| P13331    | 483216.17  | 221958.089 | 98.37  |
| P13332    | 483216.675 | 221957.712 | 98.59  |
| P13333    | 483217.597 | 221957.834 | 98.86  |
| P13334    | 483218.282 | 221957.701 | 98.61  |
| P13335    | 483219.19  | 221957.647 | 98.87  |
| P13336    | 483219.555 | 221957.631 | 98.6   |
| P13337    | 483219.999 | 221957.478 | 98.35  |
| P13338    | 483221.308 | 221957.115 | 97.981 |
| P13339    | 483223.424 | 221956.292 | 96.357 |
| P13340    | 483228.475 | 221955.179 | 97.916 |
| P13341    | 483233.376 | 221953.415 | 97.546 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| AX1949    | 442707.466 | 279940.353 | 192.423 |
| AX1950    | 442702.973 | 279942.102 | 192.445 |
| AX1951    | 442699.835 | 279943.303 | 192.461 |
| AX1952    | 442696.398 | 279944.582 | 192.478 |
| AX1953    | 442693.912 | 279945.468 | 192.49  |
| AX1954    | 442691.288 | 279946.379 | 192.503 |
| AX1955    | 442687.982 | 279947.443 | 192.52  |
| AX1956    | 442685.085 | 279948.336 | 192.534 |
| AX1957    | 442680.869 | 279949.556 | 192.554 |
| AX1958    | 442677.251 | 279950.541 | 192.572 |
| AX1959    | 442672.829 | 279951.666 | 192.593 |
| AX1960    | 442668.485 | 279952.692 | 192.614 |
| AX1961    | 442664.126 | 279953.652 | 192.635 |
| AX1962    | 442659.156 | 279954.698 | 192.659 |
| AX1963    | 442654.651 | 279955.629 | 192.681 |
| AX1964    | 442645.387 | 279957.349 | 192.879 |
| S1        | 445108.006 | 279251.507 | 181.52  |
| S2        | 445074.735 | 279266.033 | 181.67  |
| S3        | 445054.634 | 279274.792 | 181.73  |
| S4        | 445042.713 | 279280.018 | 181.78  |
| S5        | 445029.127 | 279285.956 | 181.84  |
| S6        | 445024.461 | 279287.995 | 181.86  |
| S7        | 444976.798 | 279308.839 | 182     |
| S8        | 444967.738 | 279312.807 | 182.02  |
| S9        | 444963.293 | 279314.753 | 182.03  |
| S10       | 444959.443 | 279316.451 | 182.05  |
| S11       | 444944.1   | 279323.083 | 182.12  |
| S12       | 444932.479 | 279328.123 | 182.17  |
| S13       | 444918.193 | 279334.294 | 182.21  |
| S14       | 444899.074 | 279342.552 | 182.27  |
| S15       | 444881.461 | 279350.134 | 182.32  |
| S16       | 444879.877 | 279350.816 | 182.32  |
| S17       | 444874.149 | 279353.248 | 182.34  |
| S18       | 444861.844 | 279358.452 | 182.36  |
| S19       | 444813.393 | 279378.989 | 182.49  |
| S20       | 444806.881 | 279381.753 | 182.52  |
| S21       | 444794.913 | 279386.831 | 182.57  |
| S22       | 444778.885 | 279393.633 | 182.65  |
| S23       | 444772.779 | 279396.221 | 182.67  |
| S24       | 444728.278 | 279415.053 | 182.77  |
| S25       | 444708.353 | 279423.497 | 182.85  |
| S26       | 444695.462 | 279428.961 | 182.9   |
| S27       | 444671.017 | 279439.32  | 182.99  |
| S28       | 444654.361 | 279446.35  | 183.1   |
| S29       | 444621.812 | 279460.207 | 183.29  |
| S30       | 444613.874 | 279463.586 | 183.33  |
| S31       | 444584.077 | 279476.246 | 183.51  |
| S32       | 444583.179 | 279476.627 | 183.52  |
| S33       | 444572.1   | 279481.354 | 183.58  |
| S34       | 444539.665 | 279495.068 | 183.77  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13342    | 483240.768 | 221950.754 | 96.987  |
| P13343    | 483253.06  | 221947.066 | 96.528  |
| P13344    | 483259.943 | 221947.066 | 96.017  |
| P13345    | 483168.49  | 221164.547 | 94.42   |
| P13346    | 483157.268 | 221165.137 | 94.28   |
| P13347    | 483155.308 | 221165.02  | 95.44   |
| P13348    | 483151.035 | 221165.098 | 97.09   |
| P13349    | 483146.707 | 221165.278 | 98.05   |
| P13350    | 483142.278 | 221165.422 | 98.55   |
| P13351    | 483140.701 | 221165.59  | 99.23   |
| P13352    | 483139.373 | 221165.648 | 99.48   |
| P13353    | 483138.256 | 221165.831 | 100.11  |
| P13354    | 483137.565 | 221165.803 | 100.28  |
| P13355    | 483136.771 | 221165.839 | 100.04  |
| P13356    | 483136.077 | 221165.959 | 100.27  |
| P13357    | 483135.264 | 221165.94  | 100.06  |
| P13358    | 483134.521 | 221165.935 | 99.808  |
| P13359    | 483133.702 | 221165.929 | 99.53   |
| P13360    | 483132.7   | 221165.806 | 99.24   |
| P13361    | 483130.517 | 221165.875 | 97.96   |
| P13362    | 483128.788 | 221165.822 | 97.61   |
| P13363    | 483127.158 | 221165.841 | 97.439  |
| P13364    | 483124.874 | 221165.867 | 97.2    |
| P13365    | 483121.291 | 221166.485 | 95.48   |
| P13366    | 483114.268 | 221166.706 | 94.22   |
| P13367    | 483110.237 | 221167.194 | 94.15   |
| P13368    | 483103.158 | 221167.564 | 93.97   |
| P13369    | 483095.872 | 221169.498 | 93.91   |
| P13370    | 483091.762 | 221170.24  | 93.97   |
| P13371    | 483081.953 | 221170.447 | 94.122  |
| P13372    | 482994.771 | 220241.544 | 100.594 |
| P13373    | 483000.671 | 220244.003 | 100.592 |
| P13374    | 483014.684 | 220243.757 | 100.554 |
| P13375    | 483018.852 | 220243.72  | 100.44  |
| P13376    | 483025.608 | 220242.065 | 100.398 |
| P13377    | 483031.971 | 220241.703 | 100.634 |
| P13378    | 483038.688 | 220241.077 | 100.764 |
| P13379    | 483039.75  | 220240.861 | 100.97  |
| P13380    | 483040.409 | 220240.807 | 101.34  |
| P13381    | 483041.049 | 220240.71  | 101.58  |
| P13382    | 483041.818 | 220240.706 | 101.32  |
| P13383    | 483042.62  | 220240.589 | 101.58  |
| P13384    | 483043.259 | 220240.544 | 101.41  |
| P13385    | 483043.781 | 220240.433 | 101.06  |
| P13386    | 483044.627 | 220240.313 | 100.94  |
| P13387    | 483046.406 | 220240.258 | 101.06  |
| P13388    | 483046.796 | 220240.235 | 101.39  |
| P13389    | 483047.996 | 220240.05  | 101.3   |
| P13390    | 483049.267 | 220239.923 | 100.84  |
| P13391    | 483049.953 | 220239.945 | 100.88  |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S35       | 444535.274 | 279496.925 | 183.8  |
| S36       | 444511.7   | 279506.892 | 183.94 |
| S37       | 444501.747 | 279511.076 | 183.99 |
| S38       | 444483.862 | 279518.676 | 184.07 |
| S39       | 444472.677 | 279523.497 | 184.11 |
| S40       | 444467.938 | 279525.54  | 184.13 |
| S41       | 444448.813 | 279533.821 | 184.21 |
| S42       | 444435.227 | 279539.704 | 184.26 |
| S43       | 444362.652 | 279571.413 | 184.83 |
| S44       | 444361.736 | 279571.813 | 184.84 |
| S45       | 444329.665 | 279585.825 | 185.09 |
| S46       | 444309.844 | 279594.498 | 185.18 |
| S47       | 444294.337 | 279601.32  | 185.25 |
| S48       | 444276.528 | 279609.088 | 185.33 |
| S49       | 444274.181 | 279610.112 | 185.34 |
| S50       | 444250.884 | 279620.334 | 185.44 |
| S51       | 444227.424 | 279630.628 | 185.55 |
| S52       | 444218.745 | 279634.41  | 185.58 |
| S53       | 444203.246 | 279641.193 | 185.64 |
| S54       | 444190.423 | 279646.812 | 185.69 |
| S55       | 444185.159 | 279649.118 | 185.7  |
| S56       | 444164.322 | 279658.226 | 185.78 |
| S57       | 444155.827 | 279661.964 | 185.81 |
| S58       | 444140.042 | 279668.883 | 185.87 |
| S59       | 444138.162 | 279669.707 | 185.88 |
| S60       | 444118.307 | 279678.073 | 185.95 |
| S61       | 444103.994 | 279683.767 | 186.01 |
| S62       | 444100.587 | 279685.123 | 186.02 |
| S63       | 444090.997 | 279688.809 | 186.05 |
| S64       | 444078.202 | 279693.6   | 186.12 |
| S65       | 444062.96  | 279699.113 | 186.2  |
| S66       | 444054.292 | 279702.119 | 186.24 |
| S67       | 444043.037 | 279705.881 | 186.3  |
| S68       | 444030.95  | 279709.753 | 186.36 |
| S69       | 444026.684 | 279711.05  | 186.38 |
| S70       | 444015.202 | 279714.541 | 186.44 |
| S71       | 444013.63  | 279715.019 | 186.45 |
| S72       | 444002.52  | 279718.228 | 186.5  |
| S73       | 443990.189 | 279721.64  | 186.56 |
| S74       | 443983.057 | 279723.504 | 186.6  |
| S75       | 443971.886 | 279726.305 | 186.66 |
| S76       | 443955.153 | 279730.249 | 186.75 |
| S77       | 443938.168 | 279733.941 | 186.84 |
| S78       | 443923.923 | 279736.865 | 186.92 |
| S79       | 443913.618 | 279738.981 | 186.98 |
| S80       | 443909.225 | 279739.865 | 187    |
| S81       | 443874.341 | 279746.88  | 187.19 |
| S82       | 443865.391 | 279748.662 | 187.24 |
| S83       | 443837.87  | 279754.253 | 187.39 |
| S84       | 443831.779 | 279755.476 | 187.42 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13392    | 483050.728 | 220240.046 | 100.87  |
| P13393    | 483052.625 | 220239.648 | 100.69  |
| P13394    | 483061.373 | 220238.358 | 100.61  |
| P13395    | 483070.005 | 220237.001 | 100.59  |
| P13396    | 483078.731 | 220237.816 | 100.61  |
| P13397    | 482958.632 | 219781.941 | 99.025  |
| P13398    | 482963.795 | 219781.449 | 99.159  |
| P13399    | 482969.597 | 219779.83  | 99.357  |
| P13400    | 482972.873 | 219778.555 | 98.486  |
| P13401    | 482976.174 | 219777.804 | 98.919  |
| P13402    | 482977.625 | 219777.474 | 99.11   |
| P13403    | 482981.027 | 219777.736 | 99.1    |
| P13404    | 482982.598 | 219777.717 | 99.392  |
| P13405    | 482989.199 | 219778.231 | 99.728  |
| P13406    | 482990.581 | 219778.763 | 100.797 |
| P13407    | 482992.144 | 219778.713 | 100.97  |
| P13408    | 482992.86  | 219778.781 | 101.3   |
| P13409    | 482993.616 | 219778.731 | 101.49  |
| P13410    | 482995.099 | 219778.554 | 101.51  |
| P13411    | 482995.698 | 219778.529 | 101.35  |
| P13412    | 482996.394 | 219778.477 | 101.05  |
| P13413    | 482997.778 | 219778.439 | 100.721 |
| P13414    | 482999.743 | 219778.146 | 100.249 |
| P13415    | 483002.477 | 219778.727 | 99      |
| P13416    | 483005.382 | 219779.873 | 98.47   |
| P13417    | 483007.209 | 219779.475 | 98.99   |
| P13418    | 483012.522 | 219777.502 | 98.91   |
| P13419    | 483013.781 | 219777.439 | 98.39   |
| P13420    | 483014.427 | 219777.388 | 98.12   |
| P13421    | 483015.114 | 219777.208 | 98.31   |
| P13422    | 483016.475 | 219777.173 | 99.15   |
| P13423    | 483023.745 | 219776.556 | 99.23   |
| P13424    | 483031.893 | 219770.878 | 99.232  |
| P13425    | 483042.464 | 219768.419 | 99.321  |
| P13426    | 482952.566 | 219729.649 | 98.91   |
| P13427    | 482962.369 | 219730.541 | 99.25   |
| P13428    | 482966.735 | 219731.199 | 99.233  |
| P13429    | 482974.12  | 219732.28  | 98.69   |
| P13430    | 482981.425 | 219732.57  | 99.018  |
| P13431    | 482983.357 | 219732.935 | 99.302  |
| P13432    | 482985.545 | 219732.754 | 100.261 |
| P13433    | 482986.972 | 219732.568 | 100.777 |
| P13434    | 482987.495 | 219732.554 | 101.02  |
| P13435    | 482988.136 | 219732.561 | 101.339 |
| P13436    | 482988.869 | 219732.534 | 101.511 |
| P13437    | 482990.35  | 219732.443 | 101.528 |
| P13438    | 482990.977 | 219732.465 | 101.363 |
| P13439    | 482991.747 | 219732.443 | 101.066 |
| P13440    | 482993.119 | 219732.973 | 100.716 |
| P13441    | 482995.505 | 219732.885 | 100.148 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S85       | 443809.017 | 279760.049 | 187.54 |
| S86       | 443791.064 | 279763.672 | 187.64 |
| S87       | 443790.602 | 279763.765 | 187.64 |
| S88       | 443758.965 | 279770.125 | 187.88 |
| S89       | 443739.62  | 279774.015 | 188    |
| S90       | 443725.753 | 279776.804 | 188.08 |
| S91       | 443671.973 | 279787.626 | 188.44 |
| S92       | 443647.463 | 279792.558 | 188.6  |
| S93       | 443645.381 | 279792.977 | 188.62 |
| S94       | 443634.585 | 279795.131 | 188.69 |
| S95       | 443623.434 | 279797.394 | 188.75 |
| S96       | 443587.637 | 279804.584 | 188.97 |
| S97       | 443555.297 | 279811.061 | 189.16 |
| S98       | 443553.336 | 279811.453 | 189.17 |
| S99       | 443550.96  | 279811.929 | 189.18 |
| S100      | 443496.303 | 279822.943 | 189.5  |
| S101      | 443490.021 | 279824.247 | 189.53 |
| S102      | 443481.64  | 279825.889 | 189.58 |
| S103      | 443463.301 | 279829.553 | 189.69 |
| S104      | 443463.136 | 279829.586 | 189.69 |
| S105      | 443434.707 | 279835.318 | 189.86 |
| S106      | 443415.989 | 279839.092 | 189.97 |
| S107      | 443389.863 | 279844.344 | 190.07 |
| S108      | 443370.98  | 279848.141 | 190.15 |
| S109      | 443342.358 | 279853.897 | 190.26 |
| S110      | 443316.079 | 279859.196 | 190.41 |
| S111      | 443292.679 | 279863.913 | 190.53 |
| S112      | 443278.827 | 279866.707 | 190.59 |
| S113      | 443228.537 | 279876.849 | 190.79 |
| S114      | 443204.514 | 279881.68  | 190.89 |
| S115      | 443197.456 | 279883.1   | 190.92 |
| S116      | 443186.672 | 279885.269 | 190.97 |
| S117      | 443111.615 | 279900.367 | 191.31 |
| S118      | 443094.512 | 279903.806 | 191.38 |
| S119      | 443078.825 | 279906.961 | 191.44 |
| S120      | 443034.708 | 279915.831 | 191.62 |
| S121      | 443002.36  | 279922.378 | 191.78 |
| S122      | 442960.212 | 279930.908 | 191.98 |
| S123      | 442934.529 | 279936.106 | 192.11 |
| S124      | 442920.594 | 279938.897 | 192.17 |
| S125      | 442910.276 | 279940.903 | 192.22 |
| S126      | 442910.201 | 279940.917 | 192.22 |
| S127      | 442903.902 | 279942.074 | 192.25 |
| S128      | 442889.254 | 279944.49  | 192.32 |
| S129      | 442872.708 | 279946.708 | 192.39 |
| S130      | 442857.416 | 279948.356 | 192.46 |
| S131      | 442840.82  | 279950.019 | 192.54 |
| S132      | 442840.703 | 279950.031 | 192.54 |
| S133      | 442818.728 | 279952.126 | 192.64 |
| S134      | 442816.924 | 279952.269 | 192.65 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13442    | 483001.163 | 219733.51  | 99.368  |
| P13443    | 483008.532 | 219733.667 | 99.152  |
| P13444    | 483010.833 | 219733.691 | 98.364  |
| P13445    | 483013.119 | 219732.841 | 99.3    |
| P13446    | 483020.338 | 219732.772 | 99.262  |
| P13447    | 483029.435 | 219733.51  | 99.373  |
| P13448    | 483042.71  | 219733.51  | 99.375  |
| P13449    | 482944.619 | 219710.769 | 98.932  |
| P13450    | 482958.829 | 219708.172 | 99.311  |
| P13451    | 482963.585 | 219706.883 | 99.301  |
| P13452    | 482972.645 | 219705.852 | 99.157  |
| P13453    | 482979.052 | 219705.25  | 99.242  |
| P13454    | 482982.731 | 219705.274 | 100.322 |
| P13455    | 482984.746 | 219705.263 | 101.049 |
| P13456    | 482985.339 | 219705.189 | 101.362 |
| P13457    | 482986.046 | 219705.064 | 101.523 |
| P13458    | 482987.507 | 219704.83  | 101.539 |
| P13459    | 482988.13  | 219704.691 | 101.371 |
| P13460    | 482988.938 | 219704.62  | 101.075 |
| P13461    | 482990.195 | 219704.445 | 100.712 |
| P13462    | 482994.036 | 219704.244 | 99.981  |
| P13463    | 482996.39  | 219704.274 | 99.381  |
| P13464    | 482999.785 | 219702.355 | 99.346  |
| P13465    | 483004.121 | 219702.631 | 99.325  |
| P13466    | 483006.524 | 219702.706 | 98.537  |
| P13467    | 483008.629 | 219702.773 | 99.402  |
| P13468    | 483014.684 | 219702.41  | 99.528  |
| P13469    | 483023.043 | 219699.706 | 99.508  |
| P13470    | 483028.451 | 219700.444 | 99.513  |
| P13471    | 483033.86  | 219700.69  | 99.449  |
| P13472    | 483039.431 | 219705.827 | 99.567  |
| P13473    | 483041.792 | 219708.484 | 98.907  |
| P13474    | 483044.449 | 219710.255 | 99.558  |
| P13475    | 482937.489 | 219673.401 | 99.35   |
| P13476    | 482950.027 | 219669.713 | 99.465  |
| P13477    | 482953.769 | 219669.016 | 99.419  |
| P13478    | 482959.284 | 219668.318 | 99.406  |
| P13479    | 482966.745 | 219667.009 | 99.585  |
| P13480    | 482971.17  | 219665.78  | 99.667  |
| P13481    | 482975.614 | 219665.661 | 99.567  |
| P13482    | 482978.626 | 219665.189 | 100.41  |
| P13483    | 482980.707 | 219665.161 | 101.092 |
| P13484    | 482981.264 | 219665.324 | 101.396 |
| P13485    | 482981.961 | 219665.313 | 101.541 |
| P13486    | 482983.423 | 219665.175 | 101.555 |
| P13487    | 482984.078 | 219665.159 | 101.382 |
| P13488    | 482984.947 | 219665.092 | 101.089 |
| P13489    | 482986.158 | 219665.053 | 100.708 |
| P13490    | 482989.792 | 219663.9   | 100.057 |
| P13491    | 482992.747 | 219664.226 | 99.435  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S135      | 442804.439 | 279953.263 | 192.7  |
| S136      | 442796.827 | 279953.766 | 192.74 |
| S137      | 442789.872 | 279954.108 | 192.75 |
| S138      | 442778.953 | 279954.47  | 192.77 |
| S139      | 442768.131 | 279954.613 | 192.8  |
| S140      | 442755.392 | 279954.589 | 192.82 |
| S141      | 442739.895 | 279954.492 | 192.85 |
| S142      | 442728.162 | 279954.416 | 192.87 |
| S143      | 442722.99  | 279954.437 | 192.87 |
| S144      | 442722.812 | 279954.438 | 192.87 |
| S145      | 442719.991 | 279954.496 | 192.87 |
| S146      | 442710.354 | 279954.693 | 192.87 |
| S147      | 442706.452 | 279954.867 | 192.86 |
| S148      | 442701.117 | 279955.164 | 192.86 |
| S149      | 442696.68  | 279955.486 | 192.86 |
| S150      | 442693.57  | 279955.707 | 192.86 |
| S151      | 442685.723 | 279956.353 | 192.86 |
| S152      | 442679.14  | 279956.998 | 192.86 |
| S153      | 442674.946 | 279957.346 | 192.86 |
| S154      | 442658.497 | 279958.851 | 192.86 |
| S155      | 442646.55  | 279959.953 | 192.86 |
| S156      | 442629.288 | 279961.601 | 192.86 |
| S157      | 442627.68  | 279961.754 | 192.86 |
| S158      | 442617.74  | 279962.673 | 192.86 |
| S159      | 442602.105 | 279964.116 | 192.86 |
| S160      | 442599.415 | 279964.376 | 192.88 |
| S161      | 442590.02  | 279965.284 | 192.97 |
| S162      | 442579.41  | 279966.278 | 193.06 |
| S163      | 445107.448 | 279250.109 | 181.52 |
| S164      | 445074.192 | 279264.641 | 181.66 |
| S165      | 445054.133 | 279273.395 | 181.73 |
| S166      | 445042.104 | 279278.66  | 181.78 |
| S167      | 445028.543 | 279284.572 | 181.84 |
| S168      | 445023.902 | 279286.596 | 181.86 |
| S169      | 444998.758 | 279297.609 | 181.93 |
| S170      | 444976.297 | 279307.413 | 181.99 |
| S171      | 444967.153 | 279311.419 | 182.01 |
| S172      | 444962.784 | 279313.332 | 182.02 |
| S173      | 444958.89  | 279315.011 | 182.03 |
| S174      | 444943.583 | 279321.665 | 182.12 |
| S175      | 444931.927 | 279326.711 | 182.18 |
| S176      | 444917.606 | 279332.901 | 182.21 |
| S177      | 444898.6   | 279341.117 | 182.26 |
| S178      | 444880.874 | 279348.742 | 182.3  |
| S179      | 444879.34  | 279349.402 | 182.3  |
| S180      | 444873.646 | 279351.828 | 182.32 |
| S181      | 444861.361 | 279357.041 | 182.35 |
| S182      | 444812.93  | 279377.566 | 182.48 |
| S183      | 444806.3   | 279380.375 | 182.51 |
| S184      | 444794.33  | 279385.448 | 182.56 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13492    | 482995.371 | 219664.505 | 99.536  |
| P13493    | 482998.443 | 219664.41  | 99.538  |
| P13494    | 483000.53  | 219664.37  | 98.753  |
| P13495    | 483003.029 | 219663.749 | 99.535  |
| P13496    | 483007.555 | 219662.83  | 99.781  |
| P13497    | 483017.634 | 219661.6   | 99.864  |
| P13498    | 483023.78  | 219661.109 | 99.85   |
| P13499    | 483028.451 | 219660.863 | 99.792  |
| P13500    | 482877.846 | 219632.789 | 99.356  |
| P13501    | 482930.114 | 219633.943 | 99.592  |
| P13502    | 482936.014 | 219634.926 | 99.643  |
| P13503    | 482943.544 | 219632.685 | 99.523  |
| P13504    | 482948.359 | 219630.362 | 99.512  |
| P13505    | 482957.403 | 219633.943 | 99.801  |
| P13506    | 482966.745 | 219630.01  | 99.869  |
| P13507    | 482972.511 | 219629.933 | 99.86   |
| P13508    | 482975.027 | 219630.043 | 100.488 |
| P13509    | 482977.15  | 219629.849 | 101.13  |
| P13510    | 482977.633 | 219629.796 | 101.426 |
| P13511    | 482978.316 | 219629.844 | 101.557 |
| P13512    | 482979.783 | 219629.833 | 101.569 |
| P13513    | 482980.45  | 219629.752 | 101.392 |
| P13514    | 482981.38  | 219629.757 | 101.101 |
| P13515    | 482982.53  | 219629.661 | 100.704 |
| P13516    | 482985.511 | 219629.157 | 100.238 |
| P13517    | 482988.003 | 219628.872 | 99.515  |
| P13518    | 482990.652 | 219628.419 | 99.861  |
| P13519    | 482993.056 | 219627.645 | 99.743  |
| P13520    | 482994.452 | 219627.309 | 98.962  |
| P13521    | 482996.244 | 219626.904 | 99.66   |
| P13522    | 483003.375 | 219626.076 | 100.083 |
| P13523    | 483012.226 | 219623.864 | 100.091 |
| P13524    | 483019.847 | 219622.388 | 100.023 |
| P13525    | 483024.764 | 219622.143 | 100.014 |
| P13526    | 482872.599 | 219583.388 | 99.449  |
| P13527    | 482928.147 | 219576.17  | 99.798  |
| P13528    | 482940.685 | 219574.449 | 99.944  |
| P13529    | 482952.486 | 219572.974 | 100.014 |
| P13530    | 482961.582 | 219571.253 | 100.127 |
| P13531    | 482966.452 | 219571.441 | 100.114 |
| P13532    | 482968.707 | 219570.526 | 100.546 |
| P13533    | 482970.98  | 219570.526 | 101.152 |
| P13534    | 482971.57  | 219570.515 | 101.454 |
| P13535    | 482972.229 | 219570.449 | 101.589 |
| P13536    | 482973.68  | 219570.252 | 101.599 |
| P13537    | 482974.332 | 219570.078 | 101.411 |
| P13538    | 482975.266 | 219570.007 | 101.041 |
| P13539    | 482976.396 | 219569.807 | 100.697 |
| P13540    | 482978.982 | 219569.408 | 100.022 |
| P13541    | 482983.518 | 219568.852 | 99.986  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S185      | 444772.33  | 279394.77  | 182.66 |
| S186      | 444727.665 | 279413.652 | 182.78 |
| S187      | 444707.759 | 279422.088 | 182.85 |
| S188      | 444694.868 | 279427.552 | 182.9  |
| S189      | 444670.417 | 279437.915 | 182.99 |
| S190      | 444653.964 | 279444.908 | 183.12 |
| S191      | 444621.233 | 279458.835 | 183.3  |
| S192      | 444613.577 | 279462.092 | 183.34 |
| S193      | 444583.493 | 279474.863 | 183.51 |
| S194      | 444582.828 | 279475.145 | 183.52 |
| S195      | 444571.558 | 279479.934 | 183.58 |
| S196      | 444539.133 | 279493.642 | 183.76 |
| S197      | 444534.683 | 279495.522 | 183.79 |
| S198      | 444511.096 | 279505.493 | 183.92 |
| S199      | 444501.096 | 279509.681 | 183.98 |
| S200      | 444483.388 | 279517.24  | 184.05 |
| S201      | 444472.091 | 279522.106 | 184.1  |
| S202      | 444467.545 | 279524.064 | 184.12 |
| S203      | 444448.229 | 279532.437 | 184.2  |
| S204      | 444434.579 | 279538.354 | 184.26 |
| S205      | 444362.064 | 279570.018 | 184.82 |
| S206      | 444361.148 | 279570.419 | 184.83 |
| S207      | 444329.08  | 279584.421 | 185.08 |
| S208      | 444309.248 | 279593.118 | 185.18 |
| S209      | 444293.94  | 279599.84  | 185.26 |
| S210      | 444275.941 | 279607.698 | 185.34 |
| S211      | 444273.639 | 279608.703 | 185.35 |
| S212      | 444250.294 | 279618.936 | 185.46 |
| S213      | 444226.884 | 279629.197 | 185.56 |
| S214      | 444218.188 | 279633.008 | 185.59 |
| S215      | 444202.632 | 279639.821 | 185.65 |
| S216      | 444189.836 | 279645.419 | 185.7  |
| S217      | 444184.584 | 279647.717 | 185.71 |
| S218      | 444163.707 | 279656.857 | 185.79 |
| S219      | 444155.165 | 279660.596 | 185.82 |
| S220      | 444139.452 | 279667.483 | 185.88 |
| S221      | 444137.597 | 279668.296 | 185.88 |
| S222      | 444117.698 | 279676.681 | 185.95 |
| S223      | 444103.403 | 279682.366 | 186    |
| S224      | 444100.176 | 279683.649 | 186.02 |
| S225      | 444090.449 | 279687.377 | 186.05 |
| S226      | 444077.636 | 279692.186 | 186.12 |
| S227      | 444062.481 | 279697.689 | 186.2  |
| S228      | 444053.871 | 279700.654 | 186.24 |
| S229      | 444042.578 | 279704.427 | 186.3  |
| S230      | 444030.653 | 279708.259 | 186.36 |
| S231      | 444026.091 | 279709.644 | 186.39 |
| S232      | 444014.608 | 279713.13  | 186.44 |
| S233      | 444013.21  | 279713.554 | 186.45 |
| S234      | 444002.223 | 279716.757 | 186.51 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13542    | 482985.027 | 219568.918 | 99.264  |
| P13543    | 482987.325 | 219568.718 | 99.925  |
| P13544    | 482991.083 | 219568.549 | 100.139 |
| P13545    | 482999.933 | 219567.811 | 100.258 |
| P13546    | 483006.571 | 219567.074 | 100.383 |
| P13547    | 483018.863 | 219565.845 | 100.284 |
| P13548    | 482860.869 | 219477.928 | 99.762  |
| P13549    | 482871.603 | 219477.464 | 99.807  |
| P13550    | 482891.271 | 219474.76  | 99.971  |
| P13551    | 482902.334 | 219475.251 | 100.065 |
| P13552    | 482911.184 | 219475.006 | 100.117 |
| P13553    | 482925.834 | 219474.828 | 99.896  |
| P13554    | 482929.013 | 219474.005 | 99.996  |
| P13555    | 482937.735 | 219473.285 | 100.129 |
| P13556    | 482947.323 | 219473.285 | 100.354 |
| P13557    | 482953.31  | 219472.487 | 100.075 |
| P13558    | 482957.737 | 219471.993 | 100.424 |
| P13559    | 482960.561 | 219472.162 | 101.171 |
| P13560    | 482961.431 | 219472.413 | 101.456 |
| P13561    | 482962.205 | 219472.51  | 101.62  |
| P13562    | 482963.679 | 219472.466 | 101.634 |
| P13563    | 482964.283 | 219472.52  | 101.421 |
| P13564    | 482965.091 | 219472.542 | 100.934 |
| P13565    | 482966.303 | 219472.658 | 100.732 |
| P13566    | 482968.478 | 219471.958 | 100.738 |
| P13567    | 482970.342 | 219471.967 | 100.446 |
| P13568    | 482972.579 | 219471.872 | 99.556  |
| P13569    | 482974.7   | 219471.936 | 99.855  |
| P13570    | 482981.004 | 219470.58  | 100.284 |
| P13571    | 482994.771 | 219468.614 | 100.531 |
| P13572    | 483004.85  | 219467.876 | 100.47  |
| P13573    | 483012.226 | 219467.384 | 100.36  |
| P13574    | 483017.634 | 219466.893 | 100.547 |
| P13575    | 482851.363 | 219395.58  | 100.08  |
| P13576    | 482870.128 | 219393.017 | 99.833  |
| P13577    | 482881.929 | 219392.525 | 99.981  |
| P13578    | 482895.45  | 219391.296 | 99.981  |
| P13579    | 482907.988 | 219390.804 | 99.983  |
| P13580    | 482916.693 | 219387.98  | 100.014 |
| P13581    | 482919.538 | 219387.59  | 100.038 |
| P13582    | 482928.393 | 219385.887 | 99.96   |
| P13583    | 482936.752 | 219384.658 | 100.157 |
| P13584    | 482943.304 | 219384.072 | 100.122 |
| P13585    | 482948.506 | 219383.786 | 100.346 |
| P13586    | 482951.416 | 219383.577 | 101.145 |
| P13587    | 482952.229 | 219383.491 | 101.405 |
| P13588    | 482953.055 | 219383.413 | 101.586 |
| P13589    | 482954.532 | 219383.391 | 101.599 |
| P13590    | 482955.084 | 219383.507 | 101.374 |
| P13591    | 482955.714 | 219383.389 | 100.945 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S235      | 443989.764 | 279720.176 | 186.57 |
| S236      | 443982.687 | 279721.985 | 186.61 |
| S237      | 443971.575 | 279724.812 | 186.67 |
| S238      | 443954.87  | 279728.737 | 186.76 |
| S239      | 443937.886 | 279732.451 | 186.86 |
| S240      | 443923.325 | 279735.439 | 186.94 |
| S241      | 443913.27  | 279737.502 | 186.99 |
| S242      | 443908.627 | 279738.439 | 187.02 |
| S243      | 443837.748 | 279752.735 | 187.41 |
| S244      | 443831.181 | 279754.054 | 187.44 |
| S245      | 443808.819 | 279758.545 | 187.57 |
| S246      | 443790.798 | 279762.17  | 187.67 |
| S247      | 443790.003 | 279762.331 | 187.67 |
| S248      | 443758.818 | 279768.63  | 187.87 |
| S249      | 443739.024 | 279772.597 | 188.01 |
| S250      | 443725.381 | 279775.331 | 188.1  |
| S251      | 443671.375 | 279786.202 | 188.45 |
| S252      | 443646.865 | 279791.136 | 188.61 |
| S253      | 443645.246 | 279791.462 | 188.62 |
| S254      | 443634.271 | 279793.63  | 188.69 |
| S255      | 443623.095 | 279795.928 | 188.76 |
| S256      | 443587.308 | 279803.068 | 188.98 |
| S257      | 443554.698 | 279809.631 | 189.17 |
| S258      | 443552.738 | 279810.025 | 189.18 |
| S259      | 443550.65  | 279810.446 | 189.2  |
| S260      | 443495.998 | 279821.479 | 189.51 |
| S261      | 443489.793 | 279822.725 | 189.55 |
| S262      | 443481.456 | 279824.378 | 189.6  |
| S263      | 443462.924 | 279828.093 | 189.71 |
| S264      | 443462.54  | 279828.17  | 189.71 |
| S265      | 443434.109 | 279833.893 | 189.88 |
| S266      | 443415.797 | 279837.579 | 189.98 |
| S267      | 443389.667 | 279842.843 | 190.08 |
| S268      | 443370.381 | 279846.712 | 190.16 |
| S269      | 443342.088 | 279852.389 | 190.27 |
| S270      | 443315.479 | 279857.763 | 190.41 |
| S271      | 443292.416 | 279862.42  | 190.53 |
| S272      | 443278.228 | 279865.279 | 190.59 |
| S273      | 443228.266 | 279875.346 | 190.8  |
| S274      | 443204.224 | 279880.21  | 190.9  |
| S275      | 443196.862 | 279881.691 | 190.94 |
| S276      | 443186.077 | 279883.86  | 190.98 |
| S277      | 443111.428 | 279898.873 | 191.33 |
| S278      | 443093.918 | 279902.4   | 191.4  |
| S279      | 443078.232 | 279905.561 | 191.46 |
| S280      | 443034.395 | 279914.392 | 191.63 |
| S281      | 443001.765 | 279920.973 | 191.78 |
| S282      | 442959.611 | 279929.474 | 191.98 |
| S283      | 442934.291 | 279934.58  | 192.1  |
| S284      | 442920.311 | 279937.418 | 192.17 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13592    | 482956.847 | 219383.344 | 100.847 |
| P13593    | 482959.44  | 219382.69  | 100.912 |
| P13594    | 482963.479 | 219382.168 | 99.613  |
| P13595    | 482965.319 | 219381.87  | 99.827  |
| P13596    | 482970.186 | 219380.233 | 100.006 |
| P13597    | 482983.462 | 219378.266 | 100.218 |
| P13598    | 482994.033 | 219377.529 | 100.073 |
| P13599    | 483004.605 | 219377.283 | 100.127 |
| P13600    | 483001.409 | 219351.101 | 100.265 |
| P13601    | 482986.412 | 219351.592 | 100.23  |
| P13602    | 482978.299 | 219352.33  | 100.253 |
| P13603    | 482969.695 | 219352.084 | 100.252 |
| P13604    | 482962.788 | 219352.76  | 100.209 |
| P13605    | 482960.42  | 219352.731 | 99.51   |
| P13606    | 482956.764 | 219353.003 | 100.973 |
| P13607    | 482953.674 | 219353.376 | 100.886 |
| P13608    | 482952.575 | 219353.426 | 100.949 |
| P13609    | 482952.001 | 219353.579 | 101.338 |
| P13610    | 482951.475 | 219353.634 | 101.559 |
| P13611    | 482950.013 | 219353.94  | 101.553 |
| P13612    | 482949.239 | 219354.067 | 101.361 |
| P13613    | 482948.489 | 219354.321 | 101.082 |
| P13614    | 482945.92  | 219354.996 | 100.41  |
| P13615    | 482941.728 | 219355.225 | 100.239 |
| P13616    | 482935.523 | 219356.017 | 100.313 |
| P13617    | 482930.114 | 219356.263 | 100.256 |
| P13618    | 482916.527 | 219355.216 | 100.106 |
| P13619    | 482913.511 | 219355.275 | 100.09  |
| P13620    | 482903.317 | 219354.542 | 100.189 |
| P13621    | 482892.992 | 219355.28  | 100.189 |
| P13622    | 482876.766 | 219355.772 | 100.099 |
| P13623    | 482861.524 | 219355.28  | 100.112 |
| P13624    | 482847.009 | 219357.86  | 100.226 |
| P13625    | 482842.841 | 219321.748 | 100.365 |
| P13626    | 482866.195 | 219320.616 | 100.105 |
| P13627    | 482879.962 | 219319.633 | 100.235 |
| P13628    | 482892.008 | 219317.912 | 100.364 |
| P13629    | 482900.121 | 219316.191 | 100.279 |
| P13630    | 482909.531 | 219315.598 | 100.181 |
| P13631    | 482912.932 | 219316.722 | 100.164 |
| P13632    | 482922.739 | 219317.666 | 100.323 |
| P13633    | 482934.048 | 219315.699 | 100.604 |
| P13634    | 482939.559 | 219315.494 | 100.401 |
| P13635    | 482942.42  | 219315.364 | 100.498 |
| P13636    | 482944.557 | 219315.031 | 100.996 |
| P13637    | 482945.264 | 219314.954 | 101.302 |
| P13638    | 482945.99  | 219314.969 | 101.509 |
| P13639    | 482947.495 | 219314.897 | 101.506 |
| P13640    | 482948.025 | 219314.972 | 101.291 |
| P13641    | 482948.543 | 219314.952 | 100.955 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S285      | 442909.971 | 279939.41  | 192.21 |
| S286      | 442909.6   | 279939.479 | 192.21 |
| S287      | 442903.677 | 279940.59  | 192.24 |
| S288      | 442889.058 | 279942.998 | 192.31 |
| S289      | 442872.447 | 279945.208 | 192.38 |
| S290      | 442857.824 | 279946.806 | 192.45 |
| S291      | 442840.5   | 279948.552 | 192.53 |
| S292      | 442840.219 | 279948.578 | 192.53 |
| S293      | 442818.634 | 279950.618 | 192.63 |
| S294      | 442816.321 | 279950.8   | 192.64 |
| S295      | 442804.299 | 279951.745 | 192.7  |
| S296      | 442796.888 | 279952.229 | 192.73 |
| S297      | 442789.887 | 279952.578 | 192.75 |
| S298      | 442778.685 | 279952.948 | 192.77 |
| S299      | 442768.08  | 279953.076 | 192.8  |
| S300      | 442755.412 | 279953.102 | 192.83 |
| S301      | 442739.8   | 279952.955 | 192.86 |
| S302      | 442728.126 | 279952.901 | 192.89 |
| S303      | 442723.159 | 279952.911 | 192.9  |
| S304      | 442722.384 | 279952.927 | 192.9  |
| S305      | 442719.384 | 279952.988 | 192.9  |
| S306      | 442710.368 | 279953.171 | 192.9  |
| S307      | 442706.406 | 279953.351 | 192.89 |
| S308      | 442701.059 | 279953.648 | 192.89 |
| S309      | 442696.473 | 279953.961 | 192.89 |
| S310      | 442693.541 | 279954.214 | 192.89 |
| S311      | 442690.54  | 279954.446 | 192.89 |
| S312      | 442685.266 | 279954.888 | 192.89 |
| S313      | 442669.926 | 279956.28  | 192.88 |
| S314      | 442658.381 | 279957.341 | 192.88 |
| S315      | 442646.434 | 279958.423 | 192.88 |
| S316      | 442628.684 | 279960.135 | 192.88 |
| S317      | 442627.445 | 279960.254 | 192.88 |
| S318      | 442618.888 | 279961.05  | 192.88 |
| S319      | 442602.043 | 279962.615 | 192.88 |
| S320      | 442598.813 | 279962.926 | 192.91 |
| S321      | 442590.007 | 279963.774 | 192.97 |
| S322      | 442579.312 | 279964.808 | 193.05 |
| S1119     | 442107.213 | 280112.894 | 194.16 |
| S1120     | 442137.807 | 280106.735 | 194.05 |
| S1121     | 442203.675 | 280093.474 | 193.79 |
| S1122     | 442217.52  | 280090.649 | 193.74 |
| S1123     | 442271.135 | 280079.872 | 193.53 |
| S1124     | 442343.792 | 280065.268 | 193.25 |
| S1125     | 442372.827 | 280059.413 | 193.15 |
| S1126     | 442404.477 | 280053.071 | 193.05 |
| S1127     | 442407.372 | 280052.49  | 193.04 |
| S1128     | 442429.857 | 280047.939 | 192.96 |
| S1129     | 442537.795 | 280026.156 | 192.47 |
| S1130     | 442632.123 | 280007.199 | 192.15 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13642    | 482949.56  | 219314.885 | 100.927 |
| P13643    | 482953.277 | 219314.316 | 101.052 |
| P13644    | 482956.332 | 219313.293 | 99.571  |
| P13645    | 482958.443 | 219313.179 | 100.332 |
| P13646    | 482963.057 | 219312.749 | 100.473 |
| P13647    | 482973.137 | 219311.766 | 100.624 |
| P13648    | 482982.724 | 219310.536 | 100.609 |
| P13649    | 482998.458 | 219310.045 | 100.42  |
| P13650    | 483013.947 | 219310.045 | 100.503 |
| P13651    | 482881.437 | 219252.64  | 100.236 |
| P13652    | 482891.025 | 219252.395 | 100.354 |
| P13653    | 482898.646 | 219252.395 | 100.204 |
| P13654    | 482901.352 | 219249.124 | 100.225 |
| P13655    | 482905.243 | 219249.158 | 100.253 |
| P13656    | 482919.543 | 219248.215 | 100.296 |
| P13657    | 482929.131 | 219249.444 | 100.422 |
| P13658    | 482932.995 | 219249.959 | 100.427 |
| P13659    | 482936.082 | 219249.719 | 100.644 |
| P13660    | 482937.926 | 219249.691 | 100.907 |
| P13661    | 482938.542 | 219249.656 | 101.241 |
| P13662    | 482939.239 | 219249.559 | 101.492 |
| P13663    | 482940.715 | 219249.433 | 101.478 |
| P13664    | 482941.351 | 219249.364 | 101.263 |
| P13665    | 482941.84  | 219249.35  | 100.947 |
| P13666    | 482942.727 | 219249.294 | 100.981 |
| P13667    | 482946.962 | 219248.213 | 101.029 |
| P13668    | 482949.28  | 219247.993 | 99.569  |
| P13669    | 482951.452 | 219247.883 | 100.393 |
| P13670    | 482957.403 | 219247.724 | 100.5   |
| P13671    | 482969.203 | 219247.232 | 100.633 |
| P13672    | 482979.283 | 219247.478 | 100.547 |
| P13673    | 482986.904 | 219247.724 | 100.521 |
| P13674    | 482989.116 | 219247.969 | 100.528 |
| P13675    | 482998.213 | 219246.986 | 100.624 |
| P13676    | 482881.437 | 219178.027 | 100.312 |
| P13677    | 482894.713 | 219178.765 | 100.315 |
| P13678    | 482902.088 | 219178.027 | 100.349 |
| P13679    | 482907.221 | 219176.215 | 100.145 |
| P13680    | 482912.464 | 219174.008 | 100.173 |
| P13681    | 482919.543 | 219173.848 | 100.441 |
| P13682    | 482923.251 | 219173.751 | 100.233 |
| P13683    | 482928.374 | 219173.194 | 100.815 |
| P13684    | 482929.759 | 219172.834 | 100.897 |
| P13685    | 482930.485 | 219172.66  | 101.269 |
| P13686    | 482931.326 | 219172.528 | 101.524 |
| P13687    | 482932.726 | 219172.138 | 101.511 |
| P13688    | 482933.471 | 219171.876 | 101.291 |
| P13689    | 482934.081 | 219171.783 | 100.955 |
| P13690    | 482934.868 | 219171.671 | 101.025 |
| P13691    | 482939.439 | 219170.98  | 100.694 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S1131     | 442650.77  | 280003.42  | 192.08 |
| S1132     | 442671.128 | 279999.309 | 191.99 |
| S1133     | 442696.713 | 279994.143 | 191.87 |
| S1134     | 442722.618 | 279988.936 | 191.75 |
| S1135     | 442804.449 | 279972.41  | 191.43 |
| S1136     | 442827.34  | 279967.787 | 191.34 |
| S1137     | 442916.1   | 279949.867 | 190.89 |
| S1138     | 442937.771 | 279945.514 | 190.79 |
| S1139     | 443014.605 | 279930.078 | 190.42 |
| S1140     | 443071.111 | 279918.708 | 190.13 |
| S1141     | 443113.967 | 279910.083 | 189.92 |
| S1142     | 443170.156 | 279898.787 | 189.62 |
| S1143     | 443204.444 | 279891.872 | 189.44 |
| S1144     | 443226.857 | 279887.352 | 189.32 |
| S1145     | 443237.359 | 279885.229 | 189.29 |
| S1146     | 443321.511 | 279868.242 | 189.04 |
| S1147     | 443337.765 | 279864.967 | 188.96 |
| S1148     | 443403.276 | 279851.768 | 188.61 |
| S1149     | 443471.096 | 279838.117 | 188.25 |
| S1150     | 443500.953 | 279832.108 | 188.1  |
| S1151     | 443604.423 | 279811.255 | 187.36 |
| S1152     | 443607.724 | 279810.59  | 187.34 |
| S1153     | 443651.111 | 279801.88  | 187.07 |
| S1154     | 443710.934 | 279789.896 | 186.69 |
| S1155     | 443737.77  | 279784.489 | 186.59 |
| S1156     | 443831.63  | 279765.58  | 186.22 |
| S1157     | 443863.172 | 279759.217 | 186.1  |
| S1158     | 443871.089 | 279757.576 | 186.07 |
| S1159     | 443906.739 | 279750.188 | 185.94 |
| S1160     | 443947.543 | 279741.137 | 185.7  |
| S1161     | 443965.584 | 279736.806 | 185.65 |
| S1162     | 443976.902 | 279733.953 | 185.62 |
| S1163     | 444001.648 | 279727.37  | 185.56 |
| S1164     | 444003.543 | 279726.824 | 185.56 |
| S1165     | 444023.882 | 279720.96  | 185.5  |
| S1166     | 444045.61  | 279714.21  | 185.45 |
| S1167     | 444068.165 | 279706.657 | 185.33 |
| S1168     | 444091.288 | 279698.344 | 185.22 |
| S1169     | 444112.823 | 279690.054 | 185.11 |
| S1170     | 444115.382 | 279689.044 | 185.1  |
| S1171     | 444131.975 | 279682.319 | 185    |
| S1172     | 444134.559 | 279681.272 | 184.99 |
| S1173     | 444152.524 | 279673.748 | 184.88 |
| S1174     | 444174.37  | 279664.431 | 184.75 |
| S1175     | 444209.576 | 279649.132 | 184.54 |
| S1176     | 444241.541 | 279635.196 | 184.35 |
| S1177     | 444256.877 | 279628.499 | 184.26 |
| S1178     | 444295.872 | 279611.469 | 184.03 |
| S1179     | 444381.535 | 279574.107 | 183.65 |
| S1180     | 444446.767 | 279545.656 | 183.36 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13692    | 482941.668 | 219170.721 | 99.488  |
| P13693    | 482943.53  | 219171.394 | 100.236 |
| P13694    | 482948.552 | 219172.373 | 100.358 |
| P13695    | 482953.961 | 219171.143 | 100.524 |
| P13696    | 482962.319 | 219169.914 | 100.672 |
| P13697    | 482971.17  | 219169.914 | 100.602 |
| P13698    | 482979.283 | 219170.16  | 100.447 |
| P13699    | 482991.784 | 219127.42  | 100.725 |
| P13700    | 482980.266 | 219128.981 | 100.358 |
| P13701    | 482970.432 | 219127.998 | 100.387 |
| P13702    | 482959.625 | 219129.018 | 100.357 |
| P13703    | 482950.519 | 219127.015 | 100.367 |
| P13704    | 482945.11  | 219126.769 | 100.323 |
| P13705    | 482939.031 | 219127.535 | 100.101 |
| P13706    | 482937.044 | 219127.747 | 99.463  |
| P13707    | 482935.418 | 219128.085 | 100.439 |
| P13708    | 482930.521 | 219128.743 | 101.05  |
| P13709    | 482929.751 | 219128.806 | 100.984 |
| P13710    | 482929.038 | 219128.87  | 101.303 |
| P13711    | 482928.314 | 219128.978 | 101.523 |
| P13712    | 482926.894 | 219129.143 | 101.528 |
| P13713    | 482925.935 | 219129.261 | 101.315 |
| P13714    | 482924.998 | 219129.404 | 100.905 |
| P13715    | 482924.237 | 219129.5   | 100.912 |
| P13716    | 482919.242 | 219130.084 | 100.212 |
| P13717    | 482913.888 | 219130.702 | 100.459 |
| P13718    | 482907.374 | 219135.35  | 100.177 |
| P13719    | 482901.73  | 219136.347 | 100.114 |
| P13720    | 482895.45  | 219134.636 | 100.24  |
| P13721    | 482886.108 | 219134.39  | 100.285 |
| P13722    | 482875.291 | 219134.144 | 100.179 |
| P13723    | 482871.112 | 219078.338 | 99.994  |
| P13724    | 482888.485 | 219078.801 | 100.206 |
| P13725    | 482893.142 | 219077.7   | 100.281 |
| P13726    | 482902.334 | 219074.896 | 100.142 |
| P13727    | 482907.496 | 219075.142 | 100.045 |
| P13728    | 482912.234 | 219074.361 | 100.193 |
| P13729    | 482918.572 | 219073.401 | 100.468 |
| P13730    | 482919.405 | 219073.201 | 101.065 |
| P13731    | 482920.212 | 219073.029 | 101.354 |
| P13732    | 482921.143 | 219072.878 | 101.548 |
| P13733    | 482922.534 | 219072.516 | 101.55  |
| P13734    | 482923.292 | 219072.383 | 101.325 |
| P13735    | 482923.979 | 219072.195 | 101.015 |
| P13736    | 482924.744 | 219072.03  | 100.622 |
| P13737    | 482934.539 | 219068.012 | 100.271 |
| P13738    | 482939.948 | 219067.275 | 100.507 |
| P13739    | 482945.703 | 219063.641 | 101.124 |
| P13740    | 482951.187 | 219060.902 | 101.053 |
| P13741    | 482953.447 | 219059.193 | 100.618 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| S1181     | 444469.318 | 279535.836 | 183.34  |
| S1182     | 444490.078 | 279526.737 | 183.33  |
| S1183     | 444506.191 | 279519.709 | 183.27  |
| S1184     | 444537.65  | 279505.988 | 183.16  |
| S1185     | 444567.401 | 279493.007 | 183.05  |
| S1186     | 444629.375 | 279465.998 | 182.88  |
| S1187     | 444630.864 | 279465.347 | 182.87  |
| S1188     | 444656.281 | 279454.243 | 182.8   |
| S1189     | 444674.202 | 279446.431 | 182.75  |
| S1190     | 444720.533 | 279426.236 | 182.65  |
| S1191     | 444755.535 | 279410.982 | 182.58  |
| S1192     | 444812.241 | 279386.27  | 182.45  |
| S1193     | 444822.374 | 279381.858 | 182.43  |
| S1194     | 444876.011 | 279358.445 | 182.34  |
| S1195     | 444880.204 | 279356.613 | 182.33  |
| S1196     | 444941.042 | 279330.029 | 182.22  |
| S1197     | 444945.583 | 279328.044 | 182.21  |
| S1198     | 445004.845 | 279302.179 | 182.07  |
| S1199     | 445026.424 | 279292.761 | 182.02  |
| S1200     | 445081.692 | 279268.679 | 181.77  |
| S1201     | 445109.661 | 279256.476 | 181.647 |
| S1336     | 442107.027 | 280111.4   | 194.17  |
| S1337     | 442137.092 | 280105.345 | 194.06  |
| S1338     | 442203.405 | 280091.989 | 193.8   |
| S1339     | 442217.285 | 280089.178 | 193.75  |
| S1340     | 442270.423 | 280078.489 | 193.55  |
| S1341     | 442343.558 | 280063.777 | 193.27  |
| S1342     | 442372.505 | 280057.941 | 193.16  |
| S1343     | 442403.761 | 280051.672 | 193.05  |
| S1344     | 442407.083 | 280051.006 | 193.04  |
| S1345     | 442429.641 | 280046.44  | 192.95  |
| S1346     | 442537.544 | 280024.702 | 192.46  |
| S1347     | 442631.872 | 280005.7   | 192.14  |
| S1348     | 442650.442 | 280001.949 | 192.08  |
| S1349     | 442670.412 | 279997.912 | 191.99  |
| S1350     | 442696.408 | 279992.658 | 191.87  |
| S1351     | 442722.36  | 279987.449 | 191.75  |
| S1352     | 442803.741 | 279971.048 | 191.43  |
| S1353     | 442827.049 | 279966.35  | 191.34  |
| S1354     | 442915.831 | 279948.386 | 190.89  |
| S1355     | 442937.056 | 279944.118 | 190.79  |
| S1356     | 443014.436 | 279928.557 | 190.43  |
| S1357     | 443048.192 | 279921.79  | 190.26  |
| S1358     | 443070.396 | 279917.316 | 190.15  |
| S1359     | 443113.621 | 279908.607 | 189.93  |
| S1360     | 443169.87  | 279897.312 | 189.62  |
| S1361     | 443203.729 | 279890.475 | 189.44  |
| S1362     | 443209.806 | 279889.248 | 189.4   |
| S1363     | 443226.531 | 279885.816 | 189.31  |
| S1364     | 443237.113 | 279883.739 | 189.28  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13742    | 482954.843 | 219058.775 | 99.597  |
| P13743    | 482956.448 | 219057.774 | 100.625 |
| P13744    | 482854.886 | 219038.634 | 99.848  |
| P13745    | 482867.051 | 219030.411 | 100.415 |
| P13746    | 482871.17  | 219029.292 | 100.492 |
| P13747    | 482875.668 | 219028.657 | 100.557 |
| P13748    | 482883.848 | 219027.5   | 100.675 |
| P13749    | 482897.663 | 219026.833 | 100.612 |
| P13750    | 482904.792 | 219026.342 | 100.863 |
| P13751    | 482913.269 | 219025.901 | 100.395 |
| P13752    | 482914.763 | 219025.623 | 101.176 |
| P13753    | 482915.497 | 219025.576 | 101.381 |
| P13754    | 482916.297 | 219025.492 | 101.574 |
| P13755    | 482917.702 | 219025.351 | 101.58  |
| P13756    | 482918.498 | 219025.232 | 101.348 |
| P13757    | 482919.128 | 219025.147 | 101.038 |
| P13758    | 482920.124 | 219024.984 | 100.486 |
| P13759    | 482923.592 | 219024.06  | 100.464 |
| P13760    | 482926.161 | 219023.539 | 99.858  |
| P13761    | 482930.234 | 219022.865 | 100.4   |
| P13762    | 482936.963 | 219022.179 | 101.065 |
| P13763    | 482940.096 | 219022.024 | 100.888 |
| P13764    | 482941.367 | 219021.807 | 100.38  |
| P13765    | 482942.319 | 219021.734 | 99.4    |
| P13766    | 482943.888 | 219021.638 | 100.535 |
| P13767    | 482954.698 | 219022.162 | 100.516 |
| P13768    | 482960.844 | 219022.9   | 100.535 |
| P13769    | 482974.857 | 219024.129 | 100.413 |
| P13770    | 482863.982 | 218953.203 | 100.327 |
| P13771    | 482876.52  | 218952.712 | 100.374 |
| P13772    | 482886.354 | 218951.974 | 100.43  |
| P13773    | 482893.729 | 218951.483 | 100.429 |
| P13774    | 482898.55  | 218952.375 | 100.326 |
| P13775    | 482903.889 | 218951.999 | 100.239 |
| P13776    | 482906.619 | 218950.934 | 101.009 |
| P13777    | 482907.889 | 218950.44  | 101.4   |
| P13778    | 482908.531 | 218949.833 | 101.58  |
| P13779    | 482909.922 | 218949.386 | 101.586 |
| P13780    | 482910.565 | 218948.95  | 101.37  |
| P13781    | 482911.273 | 218948.6   | 101.036 |
| P13782    | 482912.229 | 218947.972 | 100.263 |
| P13783    | 482913.893 | 218947.236 | 100.465 |
| P13784    | 482921.264 | 218945.582 | 100.506 |
| P13785    | 482932.081 | 218945.091 | 100.512 |
| P13786    | 482941.423 | 218944.599 | 100.607 |
| P13787    | 482947.706 | 218944.615 | 100.756 |
| P13788    | 482952.618 | 218943.887 | 100.693 |
| P13789    | 482956.348 | 218944.93  | 100.719 |
| P13790    | 482959.726 | 218945.057 | 99.502  |
| P13791    | 482963.516 | 218945.312 | 100.742 |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S1365     | 443321.209 | 279866.806 | 189.05 |
| S1366     | 443337.056 | 279863.607 | 188.97 |
| S1367     | 443404.027 | 279850.086 | 188.61 |
| S1368     | 443470.38  | 279836.721 | 188.25 |
| S1369     | 443500.662 | 279830.621 | 188.09 |
| S1370     | 443603.714 | 279809.893 | 187.36 |
| S1371     | 443607.409 | 279809.15  | 187.34 |
| S1372     | 443650.831 | 279800.389 | 187.06 |
| S1373     | 443710.671 | 279788.402 | 186.68 |
| S1374     | 443737.055 | 279783.096 | 186.58 |
| S1375     | 443831.432 | 279764.116 | 186.23 |
| S1376     | 443862.979 | 279757.707 | 186.11 |
| S1377     | 443870.372 | 279756.176 | 186.08 |
| S1378     | 443906.412 | 279748.716 | 185.93 |
| S1379     | 443947.276 | 279739.653 | 185.67 |
| S1380     | 443965.388 | 279735.292 | 185.61 |
| S1381     | 443976.539 | 279732.484 | 185.58 |
| S1382     | 444001.388 | 279725.876 | 185.5  |
| S1383     | 444002.835 | 279725.459 | 185.49 |
| S1384     | 444023.458 | 279719.508 | 185.42 |
| S1385     | 444045.142 | 279712.773 | 185.35 |
| S1386     | 444067.786 | 279705.218 | 185.23 |
| S1387     | 444090.999 | 279696.864 | 185.11 |
| S1388     | 444112.342 | 279688.628 | 185    |
| S1389     | 444114.823 | 279687.647 | 184.98 |
| S1390     | 444131.267 | 279680.963 | 184.92 |
| S1391     | 444134.248 | 279679.751 | 184.91 |
| S1392     | 444151.962 | 279672.35  | 184.84 |
| S1393     | 444173.703 | 279663.084 | 184.76 |
| S1394     | 444208.742 | 279647.853 | 184.55 |
| S1395     | 444241.127 | 279633.747 | 184.36 |
| S1396     | 444256.183 | 279627.173 | 184.27 |
| S1397     | 444295.272 | 279610.107 | 184.04 |
| S1398     | 444380.84  | 279572.778 | 183.65 |
| S1399     | 444446.207 | 279544.262 | 183.35 |
| S1400     | 444468.73  | 279534.426 | 183.33 |
| S1401     | 444489.604 | 279525.336 | 183.32 |
| S1402     | 444505.505 | 279518.401 | 183.27 |
| S1403     | 444537.038 | 279504.648 | 183.16 |
| S1404     | 444566.875 | 279491.618 | 183.06 |
| S1405     | 444628.793 | 279464.606 | 182.88 |
| S1406     | 444630.164 | 279464.009 | 182.88 |
| S1407     | 444655.634 | 279452.9   | 182.81 |
| S1408     | 444673.484 | 279445.107 | 182.75 |
| S1409     | 444719.868 | 279424.903 | 182.65 |
| S1410     | 444754.84  | 279409.654 | 182.57 |
| S1411     | 444811.608 | 279384.901 | 182.44 |
| S1412     | 444821.735 | 279380.495 | 182.42 |
| S1413     | 444875.461 | 279357.034 | 182.33 |
| S1414     | 444879.502 | 279355.269 | 182.32 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13792    | 482852.428 | 218867.404 | 100.544 |
| P13793    | 482868.899 | 218864.7   | 100.605 |
| P13794    | 482880.945 | 218862.733 | 100.6   |
| P13795    | 482889.058 | 218862.241 | 100.728 |
| P13796    | 482892.771 | 218862.082 | 100.279 |
| P13797    | 482895.258 | 218862.27  | 100.006 |
| P13798    | 482897.3   | 218862.282 | 100.823 |
| P13799    | 482898.674 | 218862.122 | 101.296 |
| P13800    | 482899.498 | 218862.018 | 101.486 |
| P13801    | 482900.931 | 218861.802 | 101.489 |
| P13802    | 482901.561 | 218861.718 | 101.319 |
| P13803    | 482902.447 | 218861.661 | 100.884 |
| P13804    | 482904.001 | 218861.698 | 100.013 |
| P13805    | 482905.867 | 218861.625 | 99.658  |
| P13806    | 482914.134 | 218861.012 | 100.738 |
| P13807    | 482928.885 | 218860.029 | 100.92  |
| P13808    | 482938.719 | 218859.045 | 100.722 |
| P13809    | 482957.648 | 218858.308 | 100.787 |
| P13810    | 482841.856 | 218818.604 | 99.784  |
| P13811    | 482853.411 | 218817.129 | 99.74   |
| P13812    | 482866.686 | 218816.392 | 99.628  |
| P13813    | 482874.553 | 218816.392 | 99.621  |
| P13814    | 482882.666 | 218817.129 | 99.369  |
| P13815    | 482889.152 | 218817.336 | 99.733  |
| P13816    | 482891.14  | 218817.317 | 99.889  |
| P13817    | 482893.132 | 218817.16  | 100.768 |
| P13818    | 482894.175 | 218817.185 | 101.201 |
| P13819    | 482894.918 | 218817.19  | 101.407 |
| P13820    | 482896.336 | 218817.3   | 101.415 |
| P13821    | 482897.008 | 218817.141 | 101.245 |
| P13822    | 482897.885 | 218817.133 | 100.732 |
| P13823    | 482900.078 | 218816.784 | 99.883  |
| P13824    | 482901.648 | 218816.633 | 99.233  |
| P13825    | 482907.742 | 218816.392 | 97.598  |
| P13826    | 482914.38  | 218816.638 | 97.584  |
| P13827    | 482919.051 | 218817.129 | 97.617  |
| P13828    | 482922.739 | 218817.375 | 98.414  |
| P13829    | 482924.951 | 218817.375 | 98.754  |
| P13830    | 482931.097 | 218817.867 | 98.892  |
| P13831    | 482938.473 | 218818.113 | 99.061  |
| P13832    | 482948.306 | 218818.604 | 99.33   |
| P13833    | 482953.715 | 218818.85  | 99.098  |
| P13834    | 482823.172 | 218769.804 | 96.901  |
| P13835    | 482833.498 | 218770.296 | 96.773  |
| P13836    | 482845.544 | 218768.821 | 96.705  |
| P13837    | 482852.428 | 218767.592 | 96.506  |
| P13838    | 482865.703 | 218764.642 | 96.239  |
| P13839    | 482868.568 | 218763.885 | 96.952  |
| P13840    | 482874.734 | 218762.198 | 96.386  |
| P13841    | 482882.17  | 218763.806 | 96.773  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| S1415     | 444940.628 | 279328.576 | 182.22  |
| S1416     | 444944.957 | 279326.703 | 182.21  |
| S1417     | 445004.149 | 279300.848 | 182.06  |
| S1418     | 445019.457 | 279294.161 | 182.03  |
| S1419     | 445025.766 | 279291.378 | 182.01  |
| S1420     | 445081.04  | 279267.311 | 181.76  |
| S1421     | 445109.032 | 279255.093 | 181.643 |
| S3727     | 444532.103 | 279498.018 | 183.8   |
| S3728     | 444526.875 | 279499.97  | 183.83  |
| S3729     | 444523.95  | 279500.972 | 183.84  |
| S3730     | 444514.59  | 279504.016 | 183.9   |
| S3731     | 444506.908 | 279506.476 | 183.93  |
| S3732     | 444494.131 | 279510.021 | 183.96  |
| S3733     | 444483.678 | 279513.203 | 184.01  |
| S3734     | 444472.094 | 279516.614 | 184.06  |
| S3735     | 444440.28  | 279527.163 | 184.49  |
| S3736     | 444436.203 | 279528.784 | 184.54  |
| S3737     | 444432     | 279530.456 | 184.6   |
| S3738     | 444425.076 | 279533.338 | 184.73  |
| S3739     | 444418.152 | 279536.219 | 184.85  |
| S3740     | 444412.332 | 279538.649 | 184.95  |
| S3741     | 444407.215 | 279540.817 | 185.04  |
| S3742     | 444402.691 | 279542.804 | 185.13  |
| S3743     | 444397.017 | 279545.353 | 185.23  |
| S3744     | 444390.666 | 279548.226 | 185.34  |
| S3745     | 444383.833 | 279551.318 | 185.47  |
| S3746     | 444377.542 | 279554.164 | 185.58  |
| S3747     | 444371.927 | 279556.684 | 185.68  |
| S3748     | 444367.52  | 279558.612 | 185.76  |
| S3749     | 444362.28  | 279560.825 | 185.85  |
| S3750     | 444356.192 | 279563.36  | 185.96  |
| S3751     | 444349.41  | 279566.179 | 186.08  |
| S3752     | 444343.025 | 279568.832 | 186.2   |
| S3753     | 444337.333 | 279571.201 | 186.3   |
| S3754     | 444328.773 | 279574.787 | 186.39  |
| S3755     | 444324.522 | 279576.588 | 186.46  |
| S3756     | 444320.365 | 279578.366 | 186.53  |
| S3757     | 444315.588 | 279580.424 | 186.61  |
| S3758     | 444311.071 | 279582.376 | 186.69  |
| S3759     | 444306.426 | 279584.391 | 186.76  |
| S3760     | 444300.874 | 279586.802 | 186.86  |
| S3761     | 444295.322 | 279589.214 | 186.95  |
| S3762     | 444290.477 | 279591.312 | 187.03  |
| S3763     | 444286.103 | 279593.197 | 187.11  |
| S3764     | 444281.488 | 279595.179 | 187.19  |
| S3765     | 444277.295 | 279596.984 | 187.26  |
| S3766     | 444272.329 | 279599.135 | 187.36  |
| S3767     | 444266.86  | 279601.51  | 187.45  |
| S3768     | 444261.393 | 279603.886 | 187.55  |
| S3769     | 444256.796 | 279605.884 | 187.63  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13842    | 482885.853 | 218764.81  | 99.932  |
| P13843    | 482887.814 | 218764.646 | 100.717 |
| P13844    | 482888.722 | 218764.557 | 101.147 |
| P13845    | 482889.486 | 218764.487 | 101.38  |
| P13846    | 482890.897 | 218764.445 | 101.381 |
| P13847    | 482891.533 | 218764.457 | 101.197 |
| P13848    | 482892.441 | 218764.392 | 100.703 |
| P13849    | 482895.054 | 218764.024 | 99.905  |
| P13850    | 482897.197 | 218763.752 | 97.149  |
| P13851    | 482902.334 | 218763.167 | 96.273  |
| P13852    | 482908.972 | 218762.921 | 96.325  |
| P13853    | 482919.233 | 218762.215 | 96.18   |
| P13854    | 482927.889 | 218760.704 | 96.224  |
| P13855    | 482932.705 | 218758.658 | 95.088  |
| P13856    | 482934.199 | 218757.228 | 94.579  |
| P13857    | 482936.085 | 218753.916 | 94.679  |
| P13858    | 482937.387 | 218751.158 | 95.705  |
| P13859    | 482939.575 | 218743.319 | 96.628  |
| P13860    | 482940.211 | 218740.281 | 97.031  |
| P13861    | 482836.517 | 218726.755 | 94.859  |
| P13862    | 482847.757 | 218722.848 | 95.884  |
| P13863    | 482859.888 | 218722.34  | 96.19   |
| P13864    | 482863.716 | 218722.948 | 95.979  |
| P13865    | 482872.341 | 218723.586 | 96.225  |
| P13866    | 482877.983 | 218724.351 | 97.307  |
| P13867    | 482881.705 | 218725.041 | 100.019 |
| P13868    | 482883.654 | 218725.108 | 100.695 |
| P13869    | 482884.703 | 218725.12  | 101.132 |
| P13870    | 482885.411 | 218725.099 | 101.38  |
| P13871    | 482886.834 | 218724.919 | 101.373 |
| P13872    | 482887.476 | 218724.874 | 101.182 |
| P13873    | 482888.431 | 218724.814 | 100.718 |
| P13874    | 482891.111 | 218724.315 | 99.974  |
| P13875    | 482893.796 | 218723.506 | 97.257  |
| P13876    | 482900.613 | 218722.111 | 96.411  |
| P13877    | 482904.792 | 218721.373 | 96.363  |
| P13878    | 482822.445 | 218636.289 | 98.959  |
| P13879    | 482826.368 | 218640.614 | 98.78   |
| P13880    | 482830.056 | 218642.089 | 98.113  |
| P13881    | 482834.973 | 218641.597 | 98.464  |
| P13882    | 482843.823 | 218643.072 | 98.417  |
| P13883    | 482855.624 | 218643.564 | 98.363  |
| P13884    | 482857.344 | 218643.564 | 98.535  |
| P13885    | 482870.289 | 218643.846 | 98.756  |
| P13886    | 482873.213 | 218643.606 | 100.196 |
| P13887    | 482874.894 | 218643.997 | 100.639 |
| P13888    | 482876.384 | 218643.596 | 101.093 |
| P13889    | 482876.97  | 218643.358 | 101.356 |
| P13890    | 482878.428 | 218643.138 | 101.342 |
| P13891    | 482879.006 | 218642.989 | 101.134 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S3770     | 444251.763 | 279608.07  | 187.72 |
| S3771     | 444245.806 | 279610.657 | 187.83 |
| S3772     | 444239.259 | 279613.5   | 187.95 |
| S3773     | 444233.164 | 279616.147 | 188.06 |
| S3774     | 444227.854 | 279618.454 | 188.15 |
| S3775     | 444223.821 | 279620.208 | 188.22 |
| S3776     | 444219.198 | 279622.221 | 188.31 |
| S3777     | 444210.162 | 279626.154 | 188.38 |
| S3778     | 444204.943 | 279628.423 | 188.46 |
| S3779     | 444199.722 | 279630.691 | 188.53 |
| S3780     | 444195.357 | 279632.584 | 188.6  |
| S3781     | 444190.089 | 279634.862 | 188.68 |
| S3782     | 444184.701 | 279637.19  | 188.75 |
| S3783     | 444179.697 | 279639.359 | 188.83 |
| S3784     | 444173.27  | 279642.174 | 188.9  |
| S3785     | 444169.07  | 279643.993 | 188.96 |
| S3786     | 444163.433 | 279646.419 | 189.06 |
| S3787     | 444157.793 | 279648.836 | 189.15 |
| S3788     | 444152.781 | 279650.974 | 189.23 |
| S3789     | 444148.569 | 279652.753 | 189.3  |
| S3790     | 444143.906 | 279654.685 | 189.38 |
| S3791     | 444139.663 | 279656.376 | 189.45 |
| S3792     | 444132.95  | 279658.892 | 189.45 |
| S3793     | 444129.848 | 279660.026 | 189.63 |
| S3794     | 444125.415 | 279661.608 | 189.7  |
| S3795     | 444121.488 | 279662.95  | 189.76 |
| S3796     | 444117.458 | 279664.253 | 189.83 |
| S3797     | 444113.632 | 279665.427 | 189.89 |
| S3798     | 444108.989 | 279666.781 | 189.97 |
| S3799     | 444105.607 | 279667.71  | 190.02 |
| S3800     | 444101.162 | 279668.842 | 190.1  |
| S3801     | 444097.965 | 279669.617 | 190.15 |
| S3802     | 444093.856 | 279670.56  | 190.21 |
| S3803     | 444090.988 | 279671.182 | 190.24 |
| S3804     | 444086.976 | 279672.011 | 190.3  |
| S3805     | 444083.233 | 279672.769 | 190.35 |
| S3806     | 444078.293 | 279673.77  | 190.42 |
| S3807     | 444073.452 | 279674.753 | 190.49 |
| S3808     | 444069.103 | 279675.641 | 190.56 |
| S3809     | 444064.148 | 279676.657 | 190.65 |
| S3810     | 444059.523 | 279677.606 | 190.72 |
| S3811     | 444054.453 | 279678.644 | 190.78 |
| S3812     | 444048.243 | 279679.912 | 190.85 |
| S3813     | 444041.298 | 279681.33  | 190.93 |
| S3814     | 444033.95  | 279682.831 | 191.02 |
| S3815     | 444026.601 | 279684.331 | 191.1  |
| S3816     | 444019.831 | 279685.714 | 191.18 |
| S3817     | 444013.795 | 279686.944 | 191.25 |
| S3818     | 444003.502 | 279689.023 | 191.26 |
| S3819     | 443997.041 | 279690.32  | 191.26 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13892    | 482880.133 | 218642.723 | 100.732 |
| P13893    | 482882.348 | 218642.35  | 100.143 |
| P13894    | 482884.047 | 218641.829 | 99.126  |
| P13895    | 482889.304 | 218640.614 | 97.99   |
| P13896    | 482894.454 | 218639.256 | 98.197  |
| P13897    | 482896.269 | 218638.497 | 97.607  |
| P13898    | 482897.978 | 218638.329 | 97.577  |
| P13899    | 482900.522 | 218637.654 | 98.455  |
| P13900    | 482902.045 | 218637.14  | 99.148  |
| P13901    | 482904.779 | 218635.937 | 99.105  |
| P13902    | 482910.692 | 218635.205 | 98.861  |
| P13903    | 482921.018 | 218634.468 | 98.778  |
| P13904    | 482935.768 | 218631.518 | 99.244  |
| P13905    | 482936.26  | 218592.92  | 99.468  |
| P13906    | 482917.084 | 218594.395 | 99.239  |
| P13907    | 482902.825 | 218596.608 | 99.372  |
| P13908    | 482897.197 | 218598.34  | 99.329  |
| P13909    | 482894.09  | 218598.487 | 99.274  |
| P13910    | 482892.17  | 218599.161 | 98.56   |
| P13911    | 482889.704 | 218599.328 | 97.656  |
| P13912    | 482888.201 | 218599.596 | 97.755  |
| P13913    | 482885.901 | 218600.245 | 98.444  |
| P13914    | 482880.339 | 218600.485 | 99.199  |
| P13915    | 482878.181 | 218600.949 | 100.256 |
| P13916    | 482875.942 | 218601.126 | 100.705 |
| P13917    | 482874.684 | 218601.12  | 101.11  |
| P13918    | 482874.11  | 218601.133 | 101.314 |
| P13919    | 482872.638 | 218601.282 | 101.317 |
| P13920    | 482872.068 | 218601.342 | 101.083 |
| P13921    | 482870.486 | 218601.558 | 100.621 |
| P13922    | 482868.803 | 218601.317 | 100.288 |
| P13923    | 482866.13  | 218600.948 | 99.16   |
| P13924    | 482860.786 | 218598.575 | 99.255  |
| P13925    | 482852.182 | 218600.05  | 99.2    |
| P13926    | 482844.811 | 218602.25  | 99.69   |
| P13927    | 482804.242 | 218439.268 | 99.413  |
| P13928    | 482811.372 | 218437.793 | 99.439  |
| P13929    | 482838.906 | 218433.614 | 99.433  |
| P13930    | 482848.628 | 218432.57  | 99.83   |
| P13931    | 482851.291 | 218432.609 | 100.35  |
| P13932    | 482853.155 | 218432.608 | 100.596 |
| P13933    | 482854.729 | 218432.721 | 101.053 |
| P13934    | 482855.321 | 218432.8   | 101.281 |
| P13935    | 482856.783 | 218432.804 | 101.28  |
| P13936    | 482857.444 | 218432.734 | 101.076 |
| P13937    | 482859.057 | 218432.462 | 100.503 |
| P13938    | 482861.127 | 218432.089 | 100.416 |
| P13939    | 482863.005 | 218431.686 | 99.585  |
| P13940    | 482865.871 | 218431.163 | 98.244  |
| P13941    | 482867.597 | 218431.091 | 98.15   |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S3820     | 443989.844 | 279691.764 | 191.27 |
| S3821     | 443982.49  | 279693.239 | 191.28 |
| S3822     | 443975.136 | 279694.714 | 191.28 |
| S3823     | 443967.782 | 279696.189 | 191.29 |
| S3824     | 443960.494 | 279697.651 | 191.3  |
| S3825     | 443953.942 | 279698.966 | 191.3  |
| S3826     | 443948.192 | 279700.12  | 191.31 |
| S3827     | 443943.647 | 279701.033 | 191.31 |
| S3828     | 443937.698 | 279702.23  | 191.32 |
| S3829     | 443931.133 | 279703.551 | 191.32 |
| S3830     | 443924.635 | 279704.859 | 191.33 |
| S3831     | 443918.991 | 279705.994 | 191.33 |
| S3832     | 443914.34  | 279706.929 | 191.32 |
| S3833     | 443908.338 | 279708.133 | 191.3  |
| S3834     | 443901.6   | 279709.484 | 191.28 |
| S3835     | 443894.837 | 279710.839 | 191.26 |
| S3836     | 443888.898 | 279712.027 | 191.24 |
| S3837     | 443885.02  | 279712.798 | 191.22 |
| S3838     | 443881.072 | 279713.583 | 191.21 |
| S3839     | 443877.363 | 279714.336 | 191.2  |
| S3840     | 443866.486 | 279716.653 | 191.16 |
| S3841     | 443861.57  | 279717.93  | 191.24 |
| S3842     | 443856.448 | 279719.628 | 191.32 |
| S3843     | 443850.391 | 279721.848 | 191.31 |
| S3844     | 443843.644 | 279724.375 | 191.3  |
| S3845     | 443836.619 | 279727.005 | 191.29 |
| S3846     | 443829.595 | 279729.636 | 191.28 |
| S3847     | 443822.571 | 279732.266 | 191.27 |
| S3848     | 443815.547 | 279734.896 | 191.25 |
| S3849     | 443809.184 | 279737.279 | 191.24 |
| S3850     | 443799.965 | 279740.746 | 191.07 |
| S3851     | 443796.187 | 279742.203 | 191.05 |
| S3852     | 443793.715 | 279743.192 | 191.04 |
| S3853     | 443790.467 | 279744.528 | 191.03 |
| S3854     | 443787.346 | 279745.791 | 191.01 |
| S3855     | 443783.414 | 279747.31  | 190.99 |
| S3856     | 443779.002 | 279748.892 | 190.97 |
| S3857     | 443773.046 | 279750.96  | 190.95 |
| S3858     | 443766.371 | 279753.249 | 190.92 |
| S3859     | 443759.946 | 279755.453 | 190.89 |
| S3860     | 443754.585 | 279757.271 | 190.86 |
| S3861     | 443751.299 | 279758.327 | 190.85 |
| S3862     | 443748.407 | 279759.169 | 190.84 |
| S3863     | 443745.431 | 279759.957 | 190.82 |
| S3864     | 443741.988 | 279760.845 | 190.66 |
| S3865     | 443736.74  | 279762.172 | 190.65 |
| S3866     | 443730.99  | 279763.619 | 190.65 |
| S3867     | 443725.234 | 279765.041 | 190.64 |
| S3868     | 443720.779 | 279766.081 | 190.64 |
| S3869     | 443715.523 | 279767.236 | 190.63 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13942    | 482876.978 | 218429.275 | 99.304  |
| P13943    | 482881.683 | 218428.451 | 99.221  |
| P13944    | 482896.679 | 218429.926 | 99.127  |
| P13945    | 482905.284 | 218429.926 | 99.291  |
| P13946    | 482913.888 | 218429.189 | 99.263  |
| P13947    | 482787.033 | 218359.492 | 99.267  |
| P13948    | 482797.85  | 218360.967 | 99.19   |
| P13949    | 482808.913 | 218360.23  | 99.319  |
| P13950    | 482824.401 | 218360.23  | 99.422  |
| P13951    | 482839.72  | 218360.147 | 99.287  |
| P13952    | 482843.522 | 218359.66  | 99.774  |
| P13953    | 482845.558 | 218359.578 | 100.467 |
| P13954    | 482847.075 | 218359.808 | 101.005 |
| P13955    | 482847.794 | 218359.859 | 101.244 |
| P13956    | 482849.247 | 218359.573 | 101.257 |
| P13957    | 482850.049 | 218359.573 | 101.026 |
| P13958    | 482851.514 | 218359.38  | 100.433 |
| P13959    | 482853.532 | 218359.111 | 100.171 |
| P13960    | 482854.861 | 218358.919 | 99.658  |
| P13961    | 482856.603 | 218358.879 | 98.309  |
| P13962    | 482858.319 | 218358.75  | 98.154  |
| P13963    | 482861.138 | 218358.703 | 99.206  |
| P13964    | 482867.916 | 218358.263 | 99.559  |
| P13965    | 482879.47  | 218355.805 | 99.405  |
| P13966    | 482890.042 | 218355.805 | 99.422  |
| P13967    | 482898.4   | 218356.05  | 99.517  |
| P13968    | 482911.43  | 218354.821 | 99.467  |
| P13969    | 482745.833 | 217659.475 | 98.245  |
| P13970    | 482751.61  | 217659.16  | 98.314  |
| P13971    | 482770.281 | 217659.964 | 99.66   |
| P13972    | 482770.82  | 217659.977 | 99.96   |
| P13973    | 482772.31  | 217659.836 | 99.98   |
| P13974    | 482772.807 | 217659.92  | 99.735  |
| P13975    | 482774.554 | 217659.895 | 99.69   |
| P13976    | 482775.33  | 217659.863 | 99.96   |
| P13977    | 482775.916 | 217659.822 | 100.21  |
| P13978    | 482777.42  | 217659.689 | 100.215 |
| P13979    | 482778.084 | 217659.645 | 100     |
| P13980    | 482780.467 | 217659.313 | 99.645  |
| P13981    | 482781.081 | 217659.094 | 99.765  |
| P13982    | 482782.509 | 217658.559 | 99.765  |
| P13983    | 482783.256 | 217658.317 | 99.635  |
| P13984    | 482784.161 | 217658.314 | 99.515  |
| P13985    | 482785.185 | 217658.324 | 99.694  |
| P13986    | 482786.024 | 217658.133 | 99.874  |
| P13987    | 482787.517 | 217658.17  | 99.86   |
| P13988    | 482788.065 | 217658.244 | 99.625  |
| P13989    | 482788.941 | 217658.209 | 99.29   |
| P13990    | 482790.37  | 217658.213 | 98.959  |
| P13991    | 482791.674 | 217658.264 | 98.65   |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S3870     | 443706.24  | 279769.199 | 190.79 |
| S3871     | 443702.288 | 279770.004 | 190.78 |
| S3872     | 443699.061 | 279770.661 | 190.78 |
| S3873     | 443694.392 | 279771.616 | 190.77 |
| S3874     | 443689.822 | 279772.552 | 190.77 |
| S3875     | 443685.137 | 279773.509 | 190.76 |
| S3876     | 443680.54  | 279774.444 | 190.76 |
| S3877     | 443675.219 | 279775.522 | 190.75 |
| S3878     | 443670.158 | 279776.538 | 190.75 |
| S3879     | 443664.636 | 279777.643 | 190.74 |
| S3880     | 443659.115 | 279778.746 | 190.73 |
| S3881     | 443654.605 | 279779.649 | 190.73 |
| S3882     | 443648.819 | 279780.81  | 190.72 |
| S3883     | 443634.944 | 279783.596 | 190.71 |
| S3884     | 443622.061 | 279786.183 | 190.67 |
| S3885     | 443611.764 | 279788.245 | 190.66 |
| S3886     | 443605.336 | 279789.531 | 190.65 |
| S3887     | 443598.172 | 279790.964 | 190.64 |
| S3888     | 443590.817 | 279792.435 | 190.63 |
| S3889     | 443583.462 | 279793.906 | 190.62 |
| S3890     | 443576.107 | 279795.377 | 190.61 |
| S3891     | 443568.752 | 279796.848 | 190.6  |
| S3892     | 443562.109 | 279798.177 | 190.6  |
| S3893     | 443556.201 | 279799.361 | 190.59 |
| S3894     | 443545.91  | 279801.445 | 190.57 |
| S3895     | 443539.319 | 279802.787 | 190.55 |
| S3896     | 443531.993 | 279804.278 | 190.53 |
| S3897     | 443524.644 | 279805.775 | 190.51 |
| S3898     | 443517.377 | 279807.254 | 190.49 |
| S3899     | 443510.845 | 279808.584 | 190.47 |
| S3900     | 443505.13  | 279809.747 | 190.46 |
| S3901     | 443495.211 | 279811.766 | 190.46 |
| S3902     | 443489.268 | 279812.975 | 190.46 |
| S3903     | 443484.026 | 279814.039 | 190.46 |
| S3904     | 443478.977 | 279815.061 | 190.46 |
| S3905     | 443472.776 | 279816.313 | 190.46 |
| S3906     | 443465.839 | 279817.712 | 190.46 |
| S3907     | 443443.944 | 279822.13  | 190.46 |
| S3908     | 443437.489 | 279823.432 | 190.46 |
| S3909     | 443432.01  | 279824.533 | 190.46 |
| S3910     | 443427.193 | 279825.495 | 190.46 |
| S3911     | 443421.305 | 279826.664 | 190.47 |
| S3912     | 443415.417 | 279827.831 | 190.48 |
| S3913     | 443409.852 | 279828.939 | 190.48 |
| S3914     | 443405.12  | 279829.889 | 190.49 |
| S3915     | 443399.387 | 279831.048 | 190.49 |
| S3916     | 443392.303 | 279832.483 | 190.5  |
| S3917     | 443385.549 | 279833.852 | 190.51 |
| S3918     | 443379.529 | 279835.071 | 190.52 |
| S3919     | 443369.62  | 279837.077 | 190.53 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P13992    | 482794.423 | 217658.197 | 97.231  |
| P13993    | 482797.188 | 217657.916 | 98.089  |
| P13994    | 482739.035 | 217802.095 | 98.45   |
| P13995    | 482749.369 | 217800.073 | 98.519  |
| P13996    | 482761.5   | 217797.378 | 98.406  |
| P13997    | 482769.587 | 217795.58  | 98.436  |
| P13998    | 482777     | 217794.233 | 98.629  |
| P13999    | 482783.451 | 217794.93  | 99.185  |
| P14000    | 482784.863 | 217794.711 | 99.931  |
| P14001    | 482786.079 | 217794.682 | 100.175 |
| P14002    | 482787.538 | 217794.412 | 100.218 |
| P14003    | 482789.754 | 217794.063 | 100.266 |
| P14004    | 482791.215 | 217794.044 | 100.263 |
| P14005    | 482792.083 | 217794.093 | 100.033 |
| P14006    | 482793.966 | 217794.003 | 100.011 |
| P14007    | 482794.86  | 217793.636 | 100.061 |
| P14008    | 482796.223 | 217793.269 | 100.108 |
| P14009    | 482797.135 | 217792.789 | 100.124 |
| P14010    | 482798.634 | 217792.771 | 100.104 |
| P14011    | 482799.207 | 217792.9   | 99.866  |
| P14012    | 482799.903 | 217792.9   | 99.492  |
| P14013    | 482801.141 | 217792.99  | 99.342  |
| P14014    | 482802.954 | 217793.163 | 98.474  |
| P14015    | 482805.52  | 217792.585 | 97.667  |
| P14016    | 482808.407 | 217792.997 | 98.566  |
| P14017    | 482814.292 | 217792.885 | 98.737  |
| P14018    | 482822.154 | 217791.761 | 98.817  |
| P14019    | 482830.017 | 217790.638 | 98.872  |
| P14020    | 482836.757 | 217789.74  | 98.736  |
| P14021    | 482849.561 | 217788.392 | 98.708  |
| P14022    | 482736.564 | 217761.546 | 98.342  |
| P14023    | 482746.449 | 217758.177 | 98.406  |
| P14024    | 482756.333 | 217755.706 | 98.365  |
| P14025    | 482764.98  | 217754.71  | 98.29   |
| P14026    | 482778.726 | 217753.963 | 98.949  |
| P14027    | 482779.574 | 217753.813 | 99.811  |
| P14028    | 482780.545 | 217753.834 | 100.067 |
| P14029    | 482782.04  | 217753.691 | 100.099 |
| P14030    | 482782.642 | 217753.576 | 99.944  |
| P14031    | 482784.202 | 217753.529 | 99.929  |
| P14032    | 482784.884 | 217753.523 | 100.022 |
| P14033    | 482785.565 | 217753.422 | 100.244 |
| P14034    | 482787.009 | 217752.914 | 100.247 |
| P14035    | 482787.849 | 217752.82  | 100.017 |
| P14036    | 482790.036 | 217752.26  | 99.865  |
| P14037    | 482790.626 | 217751.984 | 99.909  |
| P14038    | 482792.023 | 217751.268 | 99.937  |
| P14039    | 482792.568 | 217751.094 | 99.85   |
| P14040    | 482793.636 | 217750.698 | 99.77   |
| P14041    | 482794.778 | 217750.51  | 99.951  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S3920     | 443363.183 | 279838.379 | 190.54 |
| S3921     | 443357.417 | 279839.548 | 190.54 |
| S3922     | 443352.099 | 279840.634 | 190.55 |
| S3923     | 443346.844 | 279841.72  | 190.56 |
| S3924     | 443340.546 | 279843.031 | 190.57 |
| S3925     | 443333.894 | 279844.417 | 190.58 |
| S3926     | 443326.171 | 279846.026 | 190.59 |
| S3927     | 443318.985 | 279847.524 | 190.6  |
| S3928     | 443312.532 | 279848.866 | 190.61 |
| S3929     | 443306.968 | 279850.012 | 190.62 |
| S3930     | 443302.243 | 279850.961 | 190.62 |
| S3931     | 443296.199 | 279852.152 | 190.63 |
| S3932     | 443289.418 | 279853.479 | 190.64 |
| S3933     | 443282.057 | 279854.92  | 190.65 |
| S3934     | 443274.696 | 279856.361 | 190.66 |
| S3935     | 443267.335 | 279857.802 | 190.68 |
| S3936     | 443259.974 | 279859.242 | 190.69 |
| S3937     | 443247.184 | 279861.75  | 190.7  |
| S3938     | 443236.886 | 279863.802 | 190.72 |
| S3939     | 443223.193 | 279866.559 | 190.74 |
| S3940     | 443208.487 | 279869.52  | 190.76 |
| S3941     | 443193.781 | 279872.481 | 190.78 |
| S3942     | 443179.505 | 279875.356 | 190.8  |
| S3943     | 443168.292 | 279877.61  | 190.82 |
| S3944     | 443156.706 | 279879.924 | 190.84 |
| S3945     | 443142.301 | 279882.797 | 190.86 |
| S3946     | 443127.59  | 279885.731 | 190.88 |
| S3947     | 443115.821 | 279888.081 | 190.89 |
| S3948     | 443104.659 | 279890.34  | 190.91 |
| S3949     | 443098.112 | 279891.675 | 190.92 |
| S3950     | 443091.124 | 279893.101 | 190.93 |
| S3951     | 443084.804 | 279894.392 | 190.94 |
| S3952     | 443079.513 | 279895.479 | 190.95 |
| S3953     | 443074.932 | 279896.428 | 190.98 |
| S3954     | 443069.911 | 279897.472 | 191.03 |
| S3955     | 443065.301 | 279898.427 | 191.07 |
| S3956     | 443060.597 | 279899.392 | 191.07 |
| S3957     | 443055.806 | 279900.366 | 191.08 |
| S3958     | 443051.066 | 279901.318 | 191.09 |
| S3959     | 443045.592 | 279902.403 | 191.1  |
| S3960     | 443040.05  | 279903.494 | 191.1  |
| S3961     | 443033.981 | 279904.692 | 191.11 |
| S3962     | 443029.318 | 279905.622 | 191.12 |
| S3963     | 443023.707 | 279906.755 | 191.13 |
| S3964     | 443017.973 | 279907.919 | 191.13 |
| S3965     | 443012.614 | 279909.001 | 191.14 |
| S3966     | 443007.802 | 279909.957 | 191.15 |
| S3967     | 443002.315 | 279911.027 | 191.16 |
| S3968     | 442996.828 | 279912.103 | 191.17 |
| S3969     | 442991.793 | 279913.122 | 191.19 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P14042    | 482795.452 | 217750.42  | 100.033 |
| P14043    | 482796.924 | 217750.231 | 100.012 |
| P14044    | 482797.518 | 217750.18  | 99.727  |
| P14045    | 482798.188 | 217750.006 | 99.251  |
| P14046    | 482799.104 | 217749.813 | 99.236  |
| P14047    | 482801.341 | 217749.748 | 98.578  |
| P14048    | 482803.828 | 217750.131 | 97.455  |
| P14049    | 482806.923 | 217750.828 | 98.654  |
| P14050    | 482811.596 | 217751.662 | 99.155  |
| P14051    | 482823.053 | 217748.742 | 98.772  |
| P14052    | 482833.836 | 217746.944 | 98.772  |
| P14053    | 482842.597 | 217745.821 | 99.001  |
| P14054    | 482851.808 | 217743.575 | 98.893  |
| P14055    | 482722.486 | 217487.672 | 98.97   |
| P14056    | 482725.432 | 217487.493 | 99.039  |
| P14057    | 482733.868 | 217487.365 | 99.237  |
| P14058    | 482742.18  | 217486.916 | 99.365  |
| P14059    | 482746.449 | 217486.916 | 99.612  |
| P14060    | 482752.439 | 217486.352 | 99.637  |
| P14061    | 482753.023 | 217486.316 | 99.816  |
| P14062    | 482754.512 | 217486.075 | 99.806  |
| P14063    | 482754.982 | 217486.064 | 99.608  |
| P14064    | 482757.463 | 217485.63  | 99.753  |
| P14065    | 482758.065 | 217485.851 | 100.006 |
| P14066    | 482759.571 | 217485.882 | 100.005 |
| P14067    | 482760.068 | 217485.886 | 99.799  |
| P14068    | 482762.513 | 217485.579 | 99.326  |
| P14069    | 482763.068 | 217485.529 | 99.52   |
| P14070    | 482764.574 | 217485.466 | 99.501  |
| P14071    | 482765.1   | 217485.485 | 99.291  |
| P14072    | 482766.86  | 217485.309 | 99.566  |
| P14073    | 482767.571 | 217485.326 | 99.481  |
| P14074    | 482768.365 | 217485.26  | 99.582  |
| P14075    | 482769.871 | 217485.18  | 99.586  |
| P14076    | 482770.476 | 217485.121 | 99.405  |
| P14077    | 482771.586 | 217485.192 | 98.776  |
| P14078    | 482772.9   | 217485.099 | 98.706  |
| P14079    | 482777.963 | 217483.474 | 97.908  |
| P14080    | 482780.167 | 217483.079 | 96.66   |
| P14081    | 482781.879 | 217482.515 | 97.382  |
| P14082    | 482787.11  | 217481.075 | 97.47   |
| P14083    | 482794.972 | 217480.85  | 97.341  |
| P14084    | 482801.712 | 217480.626 | 97.56   |
| P14085    | 482815.907 | 217479.684 | 98.345  |
| P14086    | 482818.789 | 217479.462 | 98.367  |
| P14087    | 482614.08  | 216780.403 | 92.993  |
| P14088    | 482627.896 | 216780.066 | 92.943  |
| P14089    | 482634.972 | 216778.381 | 92.975  |
| P14090    | 482640.027 | 216777.033 | 96.194  |
| P14091    | 482649.799 | 216774.674 | 95.207  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S3970     | 442986.549 | 279914.245 | 191.2  |
| S3971     | 442980.805 | 279915.508 | 191.22 |
| S3972     | 442975.063 | 279916.786 | 191.24 |
| S3973     | 442970.785 | 279917.752 | 191.26 |
| S3974     | 442966.862 | 279918.655 | 191.27 |
| S3975     | 442962.649 | 279919.644 | 191.28 |
| S3976     | 442957.308 | 279920.89  | 191.3  |
| S3977     | 442950.19  | 279922.358 | 191.33 |
| S3978     | 442944.863 | 279923.276 | 191.34 |
| S3979     | 442941.961 | 279923.79  | 191.35 |
| S3980     | 442938.941 | 279924.206 | 191.36 |
| S3981     | 442934.492 | 279924.76  | 191.38 |
| S3982     | 442930.153 | 279925.182 | 191.38 |
| S3983     | 442924.923 | 279925.539 | 191.4  |
| S3984     | 442920.615 | 279925.719 | 191.42 |
| S3985     | 442915.741 | 279925.797 | 191.45 |
| S3986     | 442911.943 | 279925.781 | 191.46 |
| S3987     | 442906.015 | 279925.62  | 191.49 |
| S3988     | 442899.211 | 279925.177 | 191.52 |
| S3989     | 442896.017 | 279924.927 | 191.54 |
| S3990     | 442892.956 | 279924.578 | 191.55 |
| S3991     | 442889.54  | 279924.072 | 191.57 |
| S3992     | 442884.797 | 279923.292 | 191.59 |
| S3993     | 442879.915 | 279922.459 | 191.61 |
| S3994     | 442875.045 | 279921.596 | 191.63 |
| S3995     | 442869.457 | 279920.581 | 191.66 |
| S3996     | 442863.865 | 279919.595 | 191.68 |
| S3997     | 442859.014 | 279918.839 | 191.7  |
| S3998     | 442853.965 | 279918.196 | 191.73 |
| S3999     | 442848.698 | 279917.621 | 191.75 |
| S4000     | 442844.464 | 279917.208 | 191.77 |
| S4001     | 442840.285 | 279916.899 | 191.79 |
| S4002     | 442836.393 | 279916.693 | 191.81 |
| S4003     | 442831.759 | 279916.506 | 191.83 |
| S4004     | 442826.69  | 279916.331 | 191.85 |
| S4005     | 442823.075 | 279916.222 | 191.87 |
| S4006     | 442818.8   | 279916.13  | 191.89 |
| S4007     | 442815.885 | 279916.102 | 191.9  |
| S4008     | 442812.325 | 279916.102 | 191.92 |
| S4009     | 442809.12  | 279916.147 | 191.93 |
| S4010     | 442806.176 | 279916.215 | 191.95 |
| S4011     | 442802.522 | 279916.346 | 191.96 |
| S4012     | 442798.953 | 279916.493 | 191.98 |
| S4013     | 442795.24  | 279916.714 | 192    |
| S4014     | 442792.142 | 279916.949 | 192.01 |
| S4015     | 442788.379 | 279917.313 | 192.03 |
| S4016     | 442785.487 | 279917.632 | 192.04 |
| S4017     | 442782.211 | 279918.049 | 192.06 |
| S4018     | 442779.381 | 279918.475 | 192.07 |
| S4019     | 442776.374 | 279918.961 | 192.08 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14092    | 482663.278 | 216773.326 | 95.203 |
| P14093    | 482671.702 | 216772.989 | 95.524 |
| P14094    | 482676.744 | 216771.858 | 96.508 |
| P14095    | 482682.744 | 216772.163 | 98.276 |
| P14096    | 482683.918 | 216772.018 | 98.658 |
| P14097    | 482684.659 | 216771.935 | 98.812 |
| P14098    | 482686.198 | 216772.091 | 98.808 |
| P14099    | 482687.03  | 216772.075 | 98.659 |
| P14100    | 482688.155 | 216771.976 | 98.286 |
| P14101    | 482691.575 | 216771.795 | 98.111 |
| P14102    | 482692.306 | 216771.808 | 98.331 |
| P14103    | 482693.8   | 216771.85  | 98.288 |
| P14104    | 482694.708 | 216771.986 | 97.996 |
| P14105    | 482701.955 | 216772.585 | 94.921 |
| P14106    | 482709.78  | 216769.62  | 94.659 |
| P14107    | 482719.215 | 216771.979 | 94.794 |
| P14108    | 482733.704 | 216775.011 | 94.823 |
| P14109    | 482745.835 | 216772.989 | 95.026 |
| P14110    | 482756.955 | 216771.305 | 95.047 |
| P14111    | 482593.791 | 216641.672 | 94.861 |
| P14112    | 482606.259 | 216645.378 | 95.029 |
| P14113    | 482625.803 | 216650.096 | 95.326 |
| P14114    | 482638.608 | 216653.466 | 97.849 |
| P14115    | 482641.977 | 216653.803 | 98.773 |
| P14116    | 482647.706 | 216653.129 | 97.424 |
| P14117    | 482651.75  | 216653.466 | 94.748 |
| P14118    | 482659.837 | 216652.792 | 94.354 |
| P14119    | 482663.904 | 216652.94  | 95.152 |
| P14120    | 482670.63  | 216652.133 | 97.852 |
| P14121    | 482671.669 | 216652.057 | 98.348 |
| P14122    | 482672.376 | 216652.097 | 98.635 |
| P14123    | 482673.827 | 216651.892 | 98.633 |
| P14124    | 482674.498 | 216651.795 | 98.383 |
| P14125    | 482675.515 | 216651.724 | 97.929 |
| P14126    | 482675.631 | 216651.715 | 97.885 |
| P14127    | 482683.313 | 216651.141 | 94.999 |
| P14128    | 482694.882 | 216650.77  | 94.522 |
| P14129    | 482707.766 | 216656.572 | 95.251 |
| P14130    | 482710.969 | 216662.765 | 97.26  |
| P14131    | 482711.911 | 216662.954 | 97.64  |
| P14132    | 482713.405 | 216663.382 | 97.59  |
| P14133    | 482714.316 | 216663.893 | 97.34  |
| P14134    | 482722.165 | 216663.295 | 95.001 |
| P14135    | 482737.677 | 216660.71  | 94.61  |
| P14136    | 482743.534 | 216660.329 | 94.861 |
| P14137    | 482746.981 | 216659.791 | 93.708 |
| P14138    | 482750.429 | 216659.253 | 94.845 |
| P14139    | 482603.27  | 216603.522 | 94.986 |
| P14140    | 482610.752 | 216608.447 | 94.627 |
| P14141    | 482618.689 | 216612.64  | 94.507 |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4020     | 442773.832 | 279919.409 | 192.1  |
| S4021     | 442771.637 | 279919.825 | 192.11 |
| S4022     | 442769.084 | 279920.338 | 192.12 |
| S4023     | 442765.886 | 279921.025 | 192.13 |
| S4024     | 442763.069 | 279921.666 | 192.15 |
| S4025     | 442760.076 | 279922.408 | 192.16 |
| S4026     | 442757.551 | 279923.072 | 192.18 |
| S4027     | 442754.958 | 279923.777 | 192.19 |
| S4028     | 442751.995 | 279924.642 | 192.2  |
| S4029     | 442749.536 | 279925.414 | 192.21 |
| S4030     | 442746.168 | 279926.551 | 192.23 |
| S4031     | 442743.005 | 279927.676 | 192.25 |
| S4032     | 442739.049 | 279929.112 | 192.27 |
| S4033     | 442735.701 | 279930.353 | 192.28 |
| S4034     | 442731.52  | 279931.917 | 192.3  |
| S4035     | 442728.222 | 279933.16  | 192.32 |
| S4036     | 442723.844 | 279934.82  | 192.34 |
| S4037     | 442720.484 | 279936.107 | 192.36 |
| S4038     | 442716.057 | 279937.816 | 192.38 |
| S4039     | 442711.947 | 279939.416 | 192.4  |
| S4040     | 442707.742 | 279941.061 | 192.42 |
| S4041     | 442703.249 | 279942.81  | 192.45 |
| S4042     | 442700.111 | 279944.011 | 192.46 |
| S4043     | 442696.674 | 279945.29  | 192.48 |
| S4044     | 442694.188 | 279946.176 | 192.49 |
| S4045     | 442691.564 | 279947.087 | 192.5  |
| S4046     | 442688.258 | 279948.151 | 192.52 |
| S4047     | 442685.361 | 279949.044 | 192.53 |
| S4048     | 442681.145 | 279950.264 | 192.55 |
| S4049     | 442677.527 | 279951.249 | 192.57 |
| S4050     | 442673.105 | 279952.374 | 192.59 |
| S4051     | 442668.761 | 279953.4   | 192.61 |
| S4052     | 442664.402 | 279954.36  | 192.64 |
| S4053     | 442659.432 | 279955.406 | 192.66 |
| S4054     | 442654.927 | 279956.337 | 192.68 |
| S4055     | 442650.195 | 279957.314 | 192.7  |
| S4056     | 442642.581 | 279958.794 | 192.88 |
| S4057     | 442635.11  | 279960.027 | 192.78 |
| S4058     | 442628.684 | 279961.01  | 192.81 |
| S4059     | 442622.047 | 279962.018 | 192.84 |
| S4060     | 444538.753 | 279493.803 | 183.77 |
| S4061     | 444531.558 | 279496.599 | 183.8  |
| S4062     | 444526.363 | 279498.538 | 183.82 |
| S4063     | 444523.461 | 279499.533 | 183.83 |
| S4064     | 444518.307 | 279501.272 | 183.85 |
| S4065     | 444509.19  | 279504.131 | 183.89 |
| S4066     | 444493.701 | 279508.563 | 183.96 |
| S4067     | 444483.235 | 279511.749 | 184    |
| S4068     | 444471.64  | 279515.163 | 184.05 |
| S4069     | 444439.773 | 279525.73  | 184.49 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14142    | 482624.788 | 216615.221 | 94.466 |
| P14143    | 482635.013 | 216618.93  | 94.367 |
| P14144    | 482645.796 | 216622.375 | 94.63  |
| P14145    | 482655.98  | 216623.273 | 94.962 |
| P14146    | 482663.351 | 216627.472 | 94.99  |
| P14147    | 482667.036 | 216628.044 | 97.21  |
| P14148    | 482668.107 | 216628.421 | 97.78  |
| P14149    | 482669.172 | 216627.836 | 98.32  |
| P14150    | 482669.894 | 216627.929 | 98.6   |
| P14151    | 482671.332 | 216627.756 | 98.6   |
| P14152    | 482672.012 | 216627.684 | 98.35  |
| P14153    | 482673.217 | 216627.524 | 97.76  |
| P14154    | 482674.841 | 216627.08  | 97.04  |
| P14155    | 482676.267 | 216626.925 | 96.08  |
| P14156    | 482677.866 | 216626.149 | 94.95  |
| P14157    | 482684.055 | 216623.2   | 94.296 |
| P14158    | 482686.292 | 216622.903 | 92.382 |
| P14159    | 482687.302 | 216622.738 | 92.458 |
| P14160    | 482689.95  | 216622.469 | 94.657 |
| P14161    | 482697.615 | 216621.401 | 94.71  |
| P14162    | 482704.504 | 216622.749 | 94.802 |
| P14163    | 482711.543 | 216625.295 | 95.228 |
| P14164    | 482718.532 | 216629.951 | 95.326 |
| P14165    | 482724.778 | 216633.287 | 97.397 |
| P14166    | 482725.568 | 216633.803 | 97.624 |
| P14167    | 482726.857 | 216634.617 | 97.578 |
| P14168    | 482727.734 | 216634.917 | 97.297 |
| P14169    | 482735.1   | 216636.586 | 94.819 |
| P14170    | 482719.702 | 216570.707 | 95.863 |
| P14171    | 482715.658 | 216570.931 | 95.843 |
| P14172    | 482709.143 | 216570.707 | 95.831 |
| P14173    | 482696.563 | 216572.279 | 95.519 |
| P14174    | 482685.503 | 216571.839 | 95.193 |
| P14175    | 482683.107 | 216571.801 | 93.462 |
| P14176    | 482681.81  | 216571.797 | 92.829 |
| P14177    | 482678.657 | 216572.447 | 94.738 |
| P14178    | 482676.57  | 216573.178 | 95.311 |
| P14179    | 482669.481 | 216574.808 | 97.013 |
| P14180    | 482667.836 | 216574.812 | 97.667 |
| P14181    | 482666.473 | 216574.856 | 98.323 |
| P14182    | 482665.858 | 216574.889 | 98.536 |
| P14183    | 482664.39  | 216574.991 | 98.532 |
| P14184    | 482663.638 | 216575.091 | 98.27  |
| P14185    | 482662.567 | 216575.179 | 97.775 |
| P14186    | 482661.377 | 216575.255 | 97.244 |
| P14187    | 482657.761 | 216575.189 | 95.338 |
| P14188    | 482655.453 | 216574.975 | 95.922 |
| P14189    | 482646.018 | 216578.569 | 95.679 |
| P14190    | 482630.292 | 216580.366 | 95.224 |
| P14191    | 482621.98  | 216580.366 | 94.985 |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4070     | 444431.769 | 279528.98  | 184.59 |
| S4071     | 444424.834 | 279531.835 | 184.71 |
| S4072     | 444417.899 | 279534.69  | 184.83 |
| S4073     | 444412.035 | 279537.111 | 184.93 |
| S4074     | 444406.878 | 279539.277 | 185.02 |
| S4075     | 444402.384 | 279541.241 | 185.09 |
| S4076     | 444396.726 | 279543.78  | 185.19 |
| S4077     | 444390.391 | 279546.646 | 185.3  |
| S4078     | 444383.559 | 279549.737 | 185.42 |
| S4079     | 444377.251 | 279552.591 | 185.53 |
| S4080     | 444371.619 | 279555.119 | 185.63 |
| S4081     | 444367.179 | 279557.063 | 185.7  |
| S4082     | 444361.973 | 279559.263 | 185.79 |
| S4083     | 444355.903 | 279561.792 | 185.9  |
| S4084     | 444349.139 | 279564.603 | 186.01 |
| S4085     | 444342.736 | 279567.264 | 186.12 |
| S4086     | 444337.028 | 279569.642 | 186.22 |
| S4087     | 444332.851 | 279571.393 | 186.29 |
| S4088     | 444328.668 | 279573.167 | 186.37 |
| S4089     | 444324.631 | 279574.891 | 186.44 |
| S4090     | 444320.352 | 279576.727 | 186.51 |
| S4091     | 444315.527 | 279578.802 | 186.6  |
| S4092     | 444311.014 | 279580.749 | 186.67 |
| S4093     | 444306.268 | 279582.804 | 186.75 |
| S4094     | 444300.542 | 279585.289 | 186.85 |
| S4095     | 444294.816 | 279587.775 | 186.95 |
| S4096     | 444289.481 | 279590.083 | 187.04 |
| S4097     | 444285.576 | 279591.759 | 187.11 |
| S4098     | 444281.063 | 279593.682 | 187.18 |
| S4099     | 444276.954 | 279595.435 | 187.25 |
| S4100     | 444272.014 | 279597.554 | 187.34 |
| S4101     | 444266.579 | 279599.893 | 187.43 |
| S4102     | 444261.146 | 279602.239 | 187.52 |
| S4103     | 444256.599 | 279604.219 | 187.6  |
| S4104     | 444251.957 | 279606.265 | 187.68 |
| S4105     | 444247.107 | 279608.411 | 187.76 |
| S4106     | 444242.681 | 279610.36  | 187.83 |
| S4107     | 444237.782 | 279612.497 | 187.91 |
| S4108     | 444232.619 | 279614.739 | 188    |
| S4109     | 444227.536 | 279616.943 | 188.09 |
| S4110     | 444223.576 | 279618.659 | 188.15 |
| S4111     | 444219.007 | 279620.636 | 188.23 |
| S4112     | 444214.766 | 279622.466 | 188.3  |
| S4113     | 444209.971 | 279624.527 | 188.36 |
| S4114     | 444204.681 | 279626.795 | 188.44 |
| S4115     | 444199.393 | 279629.065 | 188.51 |
| S4116     | 444194.994 | 279630.966 | 188.57 |
| S4117     | 444189.761 | 279633.244 | 188.64 |
| S4118     | 444184.381 | 279635.594 | 188.71 |
| S4119     | 444179.365 | 279637.792 | 188.78 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14192    | 482609.175 | 216578.794 | 94.859 |
| P14193    | 482618.611 | 216548.13  | 95.418 |
| P14194    | 482631.191 | 216548.803 | 95.738 |
| P14195    | 482641.974 | 216549.927 | 95.914 |
| P14196    | 482649.387 | 216549.927 | 96.049 |
| P14197    | 482651.858 | 216549.702 | 96.014 |
| P14198    | 482654.994 | 216549.305 | 95.511 |
| P14199    | 482658.563 | 216549.706 | 97.25  |
| P14200    | 482659.909 | 216549.636 | 97.773 |
| P14201    | 482660.964 | 216549.607 | 98.246 |
| P14202    | 482661.736 | 216549.472 | 98.499 |
| P14203    | 482663.216 | 216549.372 | 98.505 |
| P14204    | 482663.792 | 216549.288 | 98.309 |
| P14205    | 482665.237 | 216549.343 | 97.622 |
| P14206    | 482666.834 | 216548.998 | 96.999 |
| P14207    | 482670.953 | 216548.803 | 95.688 |
| P14208    | 482675.351 | 216551.913 | 94.917 |
| P14209    | 482679.14  | 216552.077 | 93.002 |
| P14210    | 482680.266 | 216551.985 | 93.855 |
| P14211    | 482682.095 | 216552.126 | 95.404 |
| P14212    | 482691.846 | 216549.927 | 95.835 |
| P14213    | 482702.629 | 216549.702 | 96.14  |
| P14214    | 482712.738 | 216547.905 | 96.245 |
| P14215    | 482722.173 | 216546.108 | 96.234 |
| P14216    | 482608.052 | 216491.519 | 95.638 |
| P14217    | 482621.531 | 216487.475 | 95.647 |
| P14218    | 482633.662 | 216484.105 | 95.669 |
| P14219    | 482642.199 | 216481.634 | 96.044 |
| P14220    | 482647.188 | 216481.249 | 95.755 |
| P14221    | 482651.264 | 216481.747 | 97.159 |
| P14222    | 482652.884 | 216481.616 | 97.688 |
| P14223    | 482653.926 | 216481.426 | 98.196 |
| P14224    | 482654.74  | 216481.518 | 98.419 |
| P14225    | 482656.2   | 216481.358 | 98.431 |
| P14226    | 482656.752 | 216481.25  | 98.254 |
| P14227    | 482658.265 | 216481.046 | 97.502 |
| P14228    | 482660.01  | 216480.765 | 96.98  |
| P14229    | 482665.693 | 216480.815 | 95.268 |
| P14230    | 482667.677 | 216480.319 | 94.876 |
| P14231    | 482670.289 | 216479.949 | 94.644 |
| P14232    | 482673.974 | 216479.222 | 95.831 |
| P14233    | 482679.939 | 216477.59  | 96.578 |
| P14234    | 482692.969 | 216475.344 | 96.541 |
| P14235    | 482699.259 | 216474.445 | 96.614 |
| P14236    | 482711.165 | 216472.873 | 96.661 |
| P14237    | 482606.255 | 216433.447 | 95.7   |
| P14238    | 482615.69  | 216433.223 | 95.754 |
| P14239    | 482624.002 | 216432.549 | 95.844 |
| P14240    | 482631.416 | 216432.324 | 96.068 |
| P14241    | 482637.256 | 216432.324 | 96.296 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4120     | 444176.264 | 279639.156 | 188.82 |
| S4121     | 444172.898 | 279640.639 | 188.89 |
| S4122     | 444168.749 | 279642.436 | 188.95 |
| S4123     | 444163.127 | 279644.856 | 189.05 |
| S4124     | 444157.487 | 279647.274 | 189.14 |
| S4125     | 444152.442 | 279649.426 | 189.23 |
| S4126     | 444148.246 | 279651.198 | 189.29 |
| S4127     | 444143.584 | 279653.13  | 189.37 |
| S4128     | 444139.322 | 279654.824 | 189.44 |
| S4129     | 444134.268 | 279656.719 | 189.45 |
| S4130     | 444128.822 | 279658.702 | 189.62 |
| S4131     | 444123.131 | 279660.725 | 189.71 |
| S4132     | 444118.493 | 279662.286 | 189.78 |
| S4133     | 444113.794 | 279663.751 | 189.86 |
| S4134     | 444108.879 | 279665.19  | 189.93 |
| S4135     | 444104.598 | 279666.359 | 190    |
| S4136     | 444099.654 | 279667.624 | 190.08 |
| S4137     | 444094.67  | 279668.849 | 190.15 |
| S4138     | 444091.378 | 279669.638 | 190.21 |
| S4139     | 444086.802 | 279670.672 | 190.29 |
| S4140     | 444083.231 | 279671.396 | 190.34 |
| S4141     | 444078.221 | 279672.358 | 190.42 |
| S4142     | 444073.411 | 279673.269 | 190.49 |
| S4143     | 444068.967 | 279674.141 | 190.55 |
| S4144     | 444063.995 | 279675.145 | 190.63 |
| S4145     | 444059.381 | 279676.085 | 190.72 |
| S4146     | 444054.26  | 279677.127 | 190.77 |
| S4147     | 444048.024 | 279678.395 | 190.83 |
| S4148     | 444041.053 | 279679.813 | 190.91 |
| S4149     | 444033.704 | 279681.307 | 190.98 |
| S4150     | 444026.354 | 279682.801 | 191.06 |
| S4151     | 444019.563 | 279684.182 | 191.13 |
| S4152     | 444013.507 | 279685.413 | 191.2  |
| S4153     | 444008.745 | 279686.378 | 191.25 |
| S4154     | 444003.562 | 279687.426 | 191.25 |
| S4155     | 443996.775 | 279688.796 | 191.26 |
| S4156     | 443989.598 | 279690.244 | 191.26 |
| S4157     | 443982.246 | 279691.728 | 191.27 |
| S4158     | 443975.382 | 279693.113 | 191.28 |
| S4159     | 443967.542 | 279694.695 | 191.28 |
| S4160     | 443960.314 | 279696.154 | 191.29 |
| S4161     | 443953.822 | 279697.464 | 191.29 |
| S4162     | 443948.19  | 279698.599 | 191.3  |
| S4163     | 443943.528 | 279699.537 | 191.3  |
| S4164     | 443937.52  | 279700.744 | 191.31 |
| S4165     | 443930.948 | 279702.064 | 191.31 |
| S4166     | 443924.501 | 279703.358 | 191.32 |
| S4167     | 443918.961 | 279704.469 | 191.33 |
| S4168     | 443914.596 | 279705.344 | 191.31 |
| S4169     | 443908.15  | 279706.633 | 191.29 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14242    | 482641.216 | 216432.845 | 95.762 |
| P14243    | 482646.024 | 216431.384 | 96.993 |
| P14244    | 482647.73  | 216431.235 | 97.551 |
| P14245    | 482648.835 | 216431.098 | 98.172 |
| P14246    | 482649.614 | 216431.114 | 98.368 |
| P14247    | 482651.023 | 216430.92  | 98.384 |
| P14248    | 482651.623 | 216430.853 | 98.195 |
| P14249    | 482653.124 | 216430.675 | 97.413 |
| P14250    | 482655.134 | 216430.542 | 96.98  |
| P14251    | 482660.459 | 216429.963 | 95.264 |
| P14252    | 482661.434 | 216429.582 | 94.667 |
| P14253    | 482663.071 | 216429.531 | 94.584 |
| P14254    | 482666.159 | 216428.137 | 95.76  |
| P14255    | 482673.424 | 216428.28  | 96.529 |
| P14256    | 482677.85  | 216429.03  | 96.74  |
| P14257    | 482689.374 | 216429.179 | 96.441 |
| P14258    | 482697.911 | 216429.628 | 96.503 |
| P14259    | 482707.121 | 216429.853 | 96.546 |
| P14260    | 482598.392 | 216355.607 | 95.865 |
| P14261    | 482608.277 | 216355.607 | 95.89  |
| P14262    | 482616.364 | 216356.056 | 96.075 |
| P14263    | 482623.104 | 216355.383 | 95.933 |
| P14264    | 482626.923 | 216354.484 | 95.979 |
| P14265    | 482631.849 | 216354.205 | 95.86  |
| P14266    | 482637.993 | 216353.39  | 96.88  |
| P14267    | 482639.648 | 216352.975 | 97.387 |
| P14268    | 482640.861 | 216352.674 | 98.113 |
| P14269    | 482641.592 | 216352.492 | 98.29  |
| P14270    | 482642.966 | 216352.343 | 98.311 |
| P14271    | 482643.59  | 216352.103 | 98.108 |
| P14272    | 482645.062 | 216351.895 | 97.337 |
| P14273    | 482647.303 | 216351.282 | 97.004 |
| P14274    | 482651.768 | 216350.511 | 95.384 |
| P14275    | 482652.84  | 216350.504 | 94.549 |
| P14276    | 482654.123 | 216350.612 | 94.605 |
| P14277    | 482657.868 | 216349.745 | 95.975 |
| P14278    | 482663.54  | 216351.339 | 96.05  |
| P14279    | 482673.649 | 216350.44  | 96.023 |
| P14280    | 482681.961 | 216349.766 | 96.039 |
| P14281    | 482687.802 | 216349.766 | 96.112 |
| P14282    | 482693.867 | 216349.542 | 96.153 |
| P14283    | 482689.15  | 216314.272 | 96.182 |
| P14284    | 482685.78  | 216314.048 | 96.204 |
| P14285    | 482679.49  | 216313.374 | 96.158 |
| P14286    | 482673.2   | 216312.475 | 96.18  |
| P14287    | 482664.271 | 216312.748 | 96.208 |
| P14288    | 482655.068 | 216314.439 | 96.258 |
| P14289    | 482651.956 | 216314.876 | 94.684 |
| P14290    | 482650.871 | 216315.037 | 94.621 |
| P14291    | 482647.593 | 216315.294 | 95.517 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4170     | 443901.359 | 279707.99  | 191.27 |
| S4171     | 443894.105 | 279709.44  | 191.25 |
| S4172     | 443887.587 | 279710.743 | 191.23 |
| S4173     | 443882.214 | 279711.821 | 191.21 |
| S4174     | 443877.294 | 279712.818 | 191.19 |
| S4175     | 443871.701 | 279713.961 | 191.18 |
| S4176     | 443866.083 | 279715.177 | 191.16 |
| S4177     | 443861.091 | 279716.443 | 191.17 |
| S4178     | 443857.818 | 279717.512 | 191.18 |
| S4179     | 443856.073 | 279718.082 | 191.17 |
| S4180     | 443850.068 | 279720.274 | 191.16 |
| S4181     | 443843.377 | 279722.783 | 191.14 |
| S4182     | 443836.354 | 279725.417 | 191.13 |
| S4183     | 443829.331 | 279728.05  | 191.12 |
| S4184     | 443822.308 | 279730.683 | 191.11 |
| S4185     | 443815.285 | 279733.317 | 191.1  |
| S4186     | 443808.905 | 279735.709 | 191.08 |
| S4187     | 443799.495 | 279739.28  | 191.05 |
| S4188     | 443795.311 | 279740.925 | 191.03 |
| S4189     | 443791.966 | 279742.265 | 191.01 |
| S4190     | 443787.685 | 279743.979 | 190.99 |
| S4191     | 443783.521 | 279745.599 | 190.97 |
| S4192     | 443779.442 | 279747.098 | 190.95 |
| S4193     | 443774.033 | 279749.024 | 190.93 |
| S4194     | 443768.799 | 279750.836 | 190.91 |
| S4195     | 443764.264 | 279752.354 | 190.89 |
| S4196     | 443758.65  | 279754.185 | 190.86 |
| S4197     | 443753.028 | 279755.989 | 190.84 |
| S4198     | 443748.352 | 279757.463 | 190.82 |
| S4199     | 443745.124 | 279758.395 | 190.8  |
| S4200     | 443741.518 | 279759.352 | 190.8  |
| S4201     | 443736.731 | 279760.559 | 190.79 |
| S4202     | 443731.212 | 279761.948 | 190.79 |
| S4203     | 443724.938 | 279763.5   | 190.78 |
| S4204     | 443720.447 | 279764.551 | 190.78 |
| S4205     | 443715.21  | 279765.703 | 190.77 |
| S4206     | 443705.872 | 279767.679 | 190.78 |
| S4207     | 443701.921 | 279768.489 | 190.78 |
| S4208     | 443698.807 | 279769.134 | 190.77 |
| S4209     | 443694.234 | 279770.09  | 190.77 |
| S4210     | 443689.794 | 279771.013 | 190.76 |
| S4211     | 443684.978 | 279771.994 | 190.76 |
| S4212     | 443679.78  | 279773.038 | 190.75 |
| S4213     | 443674.886 | 279774.018 | 190.75 |
| S4214     | 443669.864 | 279775.023 | 190.74 |
| S4215     | 443663.676 | 279776.262 | 190.73 |
| S4216     | 443656.753 | 279777.648 | 190.73 |
| S4217     | 443649.398 | 279779.12  | 190.72 |
| S4218     | 443642.044 | 279780.592 | 190.71 |
| S4219     | 443634.689 | 279782.064 | 190.7  |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14292    | 482643.585 | 216314.583 | 97.031 |
| P14293    | 482641.218 | 216314.48  | 97.346 |
| P14294    | 482639.752 | 216314.608 | 98.069 |
| P14295    | 482639.102 | 216314.59  | 98.277 |
| P14296    | 482637.711 | 216314.651 | 98.253 |
| P14297    | 482636.97  | 216314.724 | 98.067 |
| P14298    | 482635.629 | 216314.649 | 97.345 |
| P14299    | 482634.084 | 216314.744 | 96.948 |
| P14300    | 482627.417 | 216314.498 | 95.984 |
| P14301    | 482621.306 | 216313.823 | 96.129 |
| P14302    | 482617.712 | 216314.048 | 96.027 |
| P14303    | 482610.748 | 216314.048 | 95.994 |
| P14304    | 482597.269 | 216313.149 | 95.874 |
| P14305    | 482593.001 | 216275.633 | 95.846 |
| P14306    | 482599.74  | 216274.285 | 95.866 |
| P14307    | 482608.277 | 216274.959 | 96.029 |
| P14308    | 482615.09  | 216276.86  | 96.05  |
| P14309    | 482623.2   | 216276.708 | 96.103 |
| P14310    | 482630.2   | 216276.347 | 97.015 |
| P14311    | 482631.599 | 216276.229 | 97.302 |
| P14312    | 482632.998 | 216275.977 | 98.02  |
| P14313    | 482633.751 | 216276.044 | 98.215 |
| P14314    | 482635.142 | 216275.893 | 98.241 |
| P14315    | 482635.794 | 216275.939 | 98.029 |
| P14316    | 482637.226 | 216275.615 | 97.355 |
| P14317    | 482639.597 | 216275.219 | 97.061 |
| P14318    | 482642.806 | 216274.918 | 95.67  |
| P14319    | 482645.382 | 216274.754 | 94.704 |
| P14320    | 482646.646 | 216274.788 | 94.773 |
| P14321    | 482650.098 | 216274.367 | 96.581 |
| P14322    | 482655.228 | 216274.285 | 96.597 |
| P14323    | 482666.46  | 216275.858 | 96.519 |
| P14324    | 482675.222 | 216274.285 | 96.511 |
| P14325    | 482680.164 | 216273.386 | 96.539 |
| P14326    | 482688.7   | 216273.162 | 96.503 |
| P14327    | 482571.435 | 216247.44  | 95.96  |
| P14328    | 482581.319 | 216244.969 | 96.002 |
| P14329    | 482590.08  | 216243.621 | 95.855 |
| P14330    | 482600.19  | 216242.722 | 95.967 |
| P14331    | 482605.132 | 216243.621 | 96.05  |
| P14332    | 482612.096 | 216244.744 | 96.11  |
| P14333    | 482614.567 | 216244.969 | 96.268 |
| P14334    | 482619.659 | 216244.981 | 96.203 |
| P14335    | 482627.102 | 216245.712 | 97.068 |
| P14336    | 482628.36  | 216245.338 | 97.268 |
| P14337    | 482629.847 | 216245.238 | 97.982 |
| P14338    | 482630.597 | 216245.29  | 98.185 |
| P14339    | 482632.02  | 216245.387 | 98.213 |
| P14340    | 482632.662 | 216245.343 | 97.997 |
| P14341    | 482634.102 | 216245.199 | 97.362 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4220     | 443616.936 | 279785.618 | 190.66 |
| S4221     | 443611.699 | 279786.665 | 190.65 |
| S4222     | 443605.061 | 279787.993 | 190.64 |
| S4223     | 443597.915 | 279789.422 | 190.64 |
| S4224     | 443590.561 | 279790.893 | 190.63 |
| S4225     | 443583.206 | 279792.364 | 190.62 |
| S4226     | 443575.851 | 279793.835 | 190.61 |
| S4227     | 443568.496 | 279795.306 | 190.6  |
| S4228     | 443561.834 | 279796.639 | 190.59 |
| S4229     | 443555.907 | 279797.831 | 190.58 |
| S4230     | 443551.414 | 279798.75  | 190.58 |
| S4231     | 443546.324 | 279799.81  | 190.56 |
| S4232     | 443541.19  | 279800.88  | 190.55 |
| S4233     | 443536.753 | 279801.792 | 190.54 |
| S4234     | 443530.944 | 279802.967 | 190.52 |
| S4235     | 443524.362 | 279804.291 | 190.5  |
| S4236     | 443517.109 | 279805.749 | 190.48 |
| S4237     | 443510.555 | 279807.068 | 190.47 |
| S4238     | 443504.802 | 279808.232 | 190.45 |
| S4239     | 443496.136 | 279810.022 | 190.45 |
| S4240     | 443492.115 | 279810.855 | 190.45 |
| S4241     | 443488.16  | 279811.665 | 190.45 |
| S4242     | 443483.45  | 279812.618 | 190.45 |
| S4243     | 443478.662 | 279813.573 | 190.45 |
| S4244     | 443473.085 | 279814.678 | 190.45 |
| S4245     | 443467.508 | 279815.783 | 190.45 |
| S4246     | 443462.813 | 279816.72  | 190.45 |
| S4247     | 443457.212 | 279817.847 | 190.45 |
| S4248     | 443450.736 | 279819.156 | 190.45 |
| S4249     | 443443.9   | 279820.538 | 190.45 |
| S4250     | 443437.195 | 279821.894 | 190.45 |
| S4251     | 443431.6   | 279823.024 | 190.45 |
| S4252     | 443420.876 | 279825.181 | 190.46 |
| S4253     | 443414.114 | 279826.539 | 190.47 |
| S4254     | 443406.76  | 279828.016 | 190.48 |
| S4255     | 443399.407 | 279829.492 | 190.48 |
| S4256     | 443392.259 | 279830.928 | 190.49 |
| S4257     | 443385.277 | 279832.329 | 190.5  |
| S4258     | 443379.237 | 279833.544 | 190.51 |
| S4259     | 443374.512 | 279834.498 | 190.51 |
| S4260     | 443362.488 | 279836.941 | 190.53 |
| S4261     | 443355.295 | 279838.404 | 190.54 |
| S4262     | 443347.945 | 279839.899 | 190.55 |
| S4263     | 443341.265 | 279841.258 | 190.56 |
| S4264     | 443335.321 | 279842.473 | 190.57 |
| S4265     | 443330.784 | 279843.411 | 190.58 |
| S4266     | 443325.042 | 279844.616 | 190.59 |
| S4267     | 443318.639 | 279845.965 | 190.59 |
| S4268     | 443312.236 | 279847.313 | 190.6  |
| S4269     | 443306.635 | 279848.47  | 190.61 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14342    | 482636.557 | 216245.212 | 97.083 |
| P14343    | 482639.274 | 216245.126 | 95.782 |
| P14344    | 482641.452 | 216245.087 | 94.765 |
| P14345    | 482642.714 | 216244.974 | 94.839 |
| P14346    | 482645.817 | 216244.136 | 96.825 |
| P14347    | 482648.713 | 216244.07  | 96.852 |
| P14348    | 482656.801 | 216244.07  | 96.647 |
| P14349    | 482664.214 | 216244.519 | 96.703 |
| P14350    | 482668.258 | 216244.744 | 96.658 |
| P14351    | 482673.649 | 216244.519 | 96.757 |
| P14352    | 482583.79  | 216173.643 | 96.172 |
| P14353    | 482592.776 | 216171.846 | 96.172 |
| P14354    | 482599.965 | 216169.824 | 96.177 |
| P14355    | 482604.683 | 216168.252 | 96.15  |
| P14356    | 482607.603 | 216167.128 | 96.264 |
| P14357    | 482611.836 | 216166.192 | 96.324 |
| P14358    | 482618.939 | 216164.06  | 97.086 |
| P14359    | 482620.1   | 216163.743 | 97.299 |
| P14360    | 482621.449 | 216163.428 | 97.894 |
| P14361    | 482622.132 | 216163.34  | 98.12  |
| P14362    | 482623.586 | 216163.135 | 98.134 |
| P14363    | 482624.194 | 216163.086 | 97.914 |
| P14364    | 482625.594 | 216162.745 | 97.305 |
| P14365    | 482627.823 | 216162.631 | 97.029 |
| P14366    | 482629.932 | 216162.319 | 96.084 |
| P14367    | 482633.758 | 216162     | 94.951 |
| P14368    | 482634.822 | 216162.024 | 94.95  |
| P14369    | 482638.266 | 216161.583 | 96.548 |
| P14370    | 482642.423 | 216159.94  | 96.178 |
| P14371    | 482650.735 | 216159.715 | 96.33  |
| P14372    | 482659.272 | 216159.49  | 96.28  |
| P14373    | 482666.011 | 216159.041 | 96.233 |
| P14374    | 482676.12  | 216158.143 | 96.197 |
| P14375    | 482573.232 | 216133.431 | 96.261 |
| P14376    | 482584.689 | 216131.859 | 96.141 |
| P14377    | 482593.226 | 216129.388 | 96.215 |
| P14378    | 482597.943 | 216128.938 | 96.13  |
| P14379    | 482604.233 | 216128.04  | 96.488 |
| P14380    | 482608.438 | 216128.383 | 96.336 |
| P14381    | 482615.235 | 216126.674 | 97.051 |
| P14382    | 482616.452 | 216126.721 | 97.353 |
| P14383    | 482617.674 | 216126.69  | 97.858 |
| P14384    | 482618.333 | 216126.756 | 98.096 |
| P14385    | 482619.853 | 216126.781 | 98.099 |
| P14386    | 482620.43  | 216126.694 | 97.879 |
| P14387    | 482621.859 | 216126.67  | 97.255 |
| P14388    | 482623.889 | 216126.62  | 96.967 |
| P14389    | 482626.118 | 216127.092 | 96.208 |
| P14390    | 482629.518 | 216126.617 | 95.035 |
| P14391    | 482630.738 | 216126.298 | 94.974 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4270     | 443302.021 | 279849.378 | 190.62 |
| S4271     | 443296.695 | 279850.391 | 190.63 |
| S4272     | 443291.446 | 279851.384 | 190.63 |
| S4273     | 443286.981 | 279852.252 | 190.64 |
| S4274     | 443281.443 | 279853.354 | 190.65 |
| S4275     | 443274.669 | 279854.714 | 190.66 |
| S4276     | 443267.563 | 279856.14  | 190.67 |
| S4277     | 443261.432 | 279857.371 | 190.68 |
| S4278     | 443256.523 | 279858.354 | 190.68 |
| S4279     | 443251.794 | 279859.298 | 190.69 |
| S4280     | 443246.817 | 279860.291 | 190.7  |
| S4281     | 443242.5   | 279861.154 | 190.7  |
| S4282     | 443236.769 | 279862.302 | 190.71 |
| S4283     | 443230.226 | 279863.612 | 190.72 |
| S4284     | 443222.948 | 279865.07  | 190.73 |
| S4285     | 443215.594 | 279866.544 | 190.74 |
| S4286     | 443208.24  | 279868.017 | 190.75 |
| S4287     | 443200.885 | 279869.49  | 190.77 |
| S4288     | 443193.531 | 279870.964 | 190.78 |
| S4289     | 443186.177 | 279872.437 | 190.79 |
| S4290     | 443179.233 | 279873.828 | 190.8  |
| S4291     | 443173.025 | 279875.072 | 190.81 |
| S4292     | 443167.963 | 279876.085 | 190.81 |
| S4293     | 443162.728 | 279877.13  | 190.82 |
| S4294     | 443156.432 | 279878.386 | 190.83 |
| S4295     | 443149.402 | 279879.788 | 190.84 |
| S4296     | 443142.046 | 279881.255 | 190.85 |
| S4297     | 443134.69  | 279882.722 | 190.86 |
| S4298     | 443127.335 | 279884.189 | 190.87 |
| S4299     | 443120.628 | 279885.527 | 190.88 |
| S4300     | 443114.658 | 279886.721 | 190.89 |
| S4301     | 443110.074 | 279887.644 | 190.9  |
| S4302     | 443104.366 | 279888.805 | 190.9  |
| S4303     | 443097.838 | 279890.136 | 190.91 |
| S4304     | 443090.85  | 279891.562 | 190.92 |
| S4305     | 443084.511 | 279892.857 | 190.93 |
| S4306     | 443079.183 | 279893.951 | 190.94 |
| S4307     | 443074.621 | 279894.896 | 190.98 |
| S4308     | 443069.6   | 279895.941 | 191.02 |
| S4309     | 443064.972 | 279896.899 | 191.06 |
| S4310     | 443060.285 | 279897.861 | 191.07 |
| S4311     | 443055.257 | 279898.883 | 191.08 |
| S4312     | 443050.736 | 279899.791 | 191.08 |
| S4313     | 443045.3   | 279900.869 | 191.09 |
| S4314     | 443039.494 | 279902.012 | 191.1  |
| S4315     | 443033.688 | 279903.158 | 191.11 |
| S4316     | 443028.988 | 279904.095 | 191.11 |
| S4317     | 443023.396 | 279905.224 | 191.12 |
| S4318     | 443017.662 | 279906.388 | 191.13 |
| S4319     | 443011.93  | 279907.545 | 191.14 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14392    | 482634.436 | 216125.748 | 96.516 |
| P14393    | 482639.503 | 216126.018 | 96.485 |
| P14394    | 482646.242 | 216125.793 | 96.578 |
| P14395    | 482657.699 | 216125.12  | 96.424 |
| P14396    | 482666.011 | 216125.12  | 96.301 |
| P14397    | 482675.896 | 216125.793 | 96.221 |
| P14398    | 482567.391 | 216057.164 | 96.017 |
| P14399    | 482579.522 | 216052.896 | 96.09  |
| P14400    | 482588.508 | 216050.874 | 96.06  |
| P14401    | 482592.776 | 216050.424 | 96.127 |
| P14402    | 482597.718 | 216050.424 | 96.464 |
| P14403    | 482601.589 | 216050.065 | 96.342 |
| P14404    | 482607.57  | 216049.308 | 96.979 |
| P14405    | 482608.764 | 216049.347 | 97.325 |
| P14406    | 482609.72  | 216049.091 | 97.76  |
| P14407    | 482610.358 | 216048.838 | 97.993 |
| P14408    | 482611.872 | 216048.796 | 97.992 |
| P14409    | 482612.479 | 216048.816 | 97.768 |
| P14410    | 482613.749 | 216048.561 | 97.178 |
| P14411    | 482615.333 | 216048.31  | 96.831 |
| P14412    | 482617.467 | 216048.061 | 96.371 |
| P14413    | 482619.312 | 216047.812 | 95.104 |
| P14414    | 482620.749 | 216047.797 | 94.996 |
| P14415    | 482624.522 | 216046.865 | 96.463 |
| P14416    | 482629.169 | 216043.685 | 96.453 |
| P14417    | 482634.111 | 216043.91  | 96.509 |
| P14418    | 482643.546 | 216043.236 | 96.439 |
| P14419    | 482653.206 | 216042.112 | 96.325 |
| P14420    | 482662.866 | 216040.989 | 96.28  |
| P14421    | 482669.156 | 216039.641 | 96.309 |
| P14422    | 482549.419 | 216020.883 | 95.943 |
| P14423    | 482561.775 | 216018.862 | 96.08  |
| P14424    | 482571.21  | 216017.738 | 96.064 |
| P14425    | 482580.87  | 216016.615 | 96.144 |
| P14426    | 482591.653 | 216016.84  | 96.345 |
| P14427    | 482598.633 | 216015.139 | 96.333 |
| P14428    | 482604.19  | 216015.193 | 96.947 |
| P14429    | 482605.357 | 216015.348 | 97.25  |
| P14430    | 482606.28  | 216015.449 | 97.708 |
| P14431    | 482606.988 | 216015.432 | 97.927 |
| P14432    | 482608.443 | 216015.166 | 97.932 |
| P14433    | 482609.084 | 216015.129 | 97.705 |
| P14434    | 482610.232 | 216014.795 | 97.158 |
| P14435    | 482611.638 | 216014.498 | 96.772 |
| P14436    | 482613.755 | 216014.529 | 96.39  |
| P14437    | 482615.268 | 216014.228 | 95.082 |
| P14438    | 482616.541 | 216014.118 | 94.992 |
| P14439    | 482619.623 | 216013.96  | 96.448 |
| P14440    | 482624.676 | 216013.47  | 96.351 |
| P14441    | 482632.988 | 216011.673 | 96.361 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4320     | 443007.51  | 279908.423 | 191.14 |
| S4321     | 443002.022 | 279909.494 | 191.15 |
| S4322     | 442996.536 | 279910.569 | 191.16 |
| S4323     | 442991.463 | 279911.594 | 191.18 |
| S4324     | 442986.256 | 279912.708 | 191.2  |
| S4325     | 442980.512 | 279913.971 | 191.22 |
| S4326     | 442974.771 | 279915.251 | 191.23 |
| S4327     | 442970.451 | 279916.232 | 191.25 |
| S4328     | 442966.261 | 279917.21  | 191.26 |
| S4329     | 442962.402 | 279918.145 | 191.28 |
| S4330     | 442958.125 | 279919.131 | 191.29 |
| S4331     | 442953.167 | 279920.156 | 191.31 |
| S4332     | 442949.563 | 279920.881 | 191.32 |
| S4333     | 442945.424 | 279921.638 | 191.33 |
| S4334     | 442942.742 | 279922.116 | 191.34 |
| S4335     | 442939.908 | 279922.542 | 191.35 |
| S4336     | 442938.286 | 279922.757 | 191.36 |
| S4337     | 442933.637 | 279923.331 | 191.37 |
| S4338     | 442929.795 | 279923.675 | 191.37 |
| S4339     | 442924.669 | 279924.038 | 191.4  |
| S4340     | 442920.342 | 279924.202 | 191.42 |
| S4341     | 442915.484 | 279924.295 | 191.44 |
| S4342     | 442911.343 | 279924.227 | 191.46 |
| S4343     | 442905.932 | 279924.087 | 191.49 |
| S4344     | 442900.298 | 279923.763 | 191.51 |
| S4345     | 442896.056 | 279923.424 | 191.53 |
| S4346     | 442892.883 | 279923.081 | 191.55 |
| S4347     | 442889.355 | 279922.59  | 191.57 |
| S4348     | 442884.483 | 279921.809 | 191.59 |
| S4349     | 442879.583 | 279920.973 | 191.61 |
| S4350     | 442874.749 | 279920.117 | 191.64 |
| S4351     | 442869.161 | 279919.103 | 191.66 |
| S4352     | 442863.57  | 279918.112 | 191.69 |
| S4353     | 442858.743 | 279917.339 | 191.72 |
| S4354     | 442854.046 | 279916.707 | 191.74 |
| S4355     | 442849.172 | 279916.142 | 191.76 |
| S4356     | 442845.528 | 279915.764 | 191.78 |
| S4357     | 442840.966 | 279915.382 | 191.8  |
| S4358     | 442837.124 | 279915.163 | 191.82 |
| S4359     | 442831.735 | 279914.936 | 191.85 |
| S4360     | 442826.323 | 279914.761 | 191.87 |
| S4361     | 442822.092 | 279914.646 | 191.89 |
| S4362     | 442817.89  | 279914.588 | 191.91 |
| S4363     | 442814.87  | 279914.58  | 191.93 |
| S4364     | 442811.804 | 279914.604 | 191.94 |
| S4365     | 442809.922 | 279914.634 | 191.95 |
| S4366     | 442806.573 | 279914.71  | 191.97 |
| S4367     | 442802.366 | 279914.848 | 191.99 |
| S4368     | 442798.998 | 279914.984 | 192    |
| S4369     | 442794.872 | 279915.223 | 192.02 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14442    | 482639.952 | 216011.673 | 96.333 |
| P14443    | 482645.793 | 216011.448 | 96.32  |
| P14444    | 482653.206 | 216011.224 | 96.297 |
| P14445    | 482661.294 | 216011.448 | 96.329 |
| P14446    | 482556.608 | 215957.533 | 95.941 |
| P14447    | 482570.536 | 215955.96  | 95.982 |
| P14448    | 482578.848 | 215955.062 | 96.095 |
| P14449    | 482582.667 | 215954.163 | 96.096 |
| P14450    | 482587.629 | 215952.874 | 96.197 |
| P14451    | 482596.186 | 215952.82  | 96.453 |
| P14452    | 482598.835 | 215951.671 | 97.199 |
| P14453    | 482599.668 | 215951.65  | 97.664 |
| P14454    | 482600.441 | 215951.702 | 97.874 |
| P14455    | 482601.897 | 215951.61  | 97.884 |
| P14456    | 482602.586 | 215951.67  | 97.649 |
| P14457    | 482603.65  | 215951.586 | 97.122 |
| P14458    | 482604.953 | 215951.365 | 96.704 |
| P14459    | 482607.375 | 215950.423 | 96.291 |
| P14460    | 482608.935 | 215950.002 | 95.264 |
| P14461    | 482610.281 | 215949.611 | 94.951 |
| P14462    | 482612.522 | 215949.006 | 96.265 |
| P14463    | 482615.241 | 215947.873 | 96.081 |
| P14464    | 482619.22  | 215947.08  | 96.26  |
| P14465    | 482628.944 | 215945.402 | 96.169 |
| P14466    | 482637.706 | 215944.953 | 96.129 |
| P14467    | 482645.793 | 215944.953 | 96.126 |
| P14468    | 482655.902 | 215944.279 | 96.196 |
| P14469    | 482552.34  | 215878.12  | 95.791 |
| P14470    | 482563.123 | 215878.345 | 95.883 |
| P14471    | 482570.761 | 215877.446 | 95.941 |
| P14472    | 482572.333 | 215876.997 | 95.976 |
| P14473    | 482577.495 | 215876.375 | 95.993 |
| P14474    | 482582.442 | 215874.526 | 96.162 |
| P14475    | 482586.654 | 215873.826 | 96.017 |
| P14476    | 482590.373 | 215872.931 | 96.976 |
| P14477    | 482591.463 | 215872.874 | 97.564 |
| P14478    | 482592.272 | 215872.687 | 97.783 |
| P14479    | 482593.737 | 215872.511 | 97.809 |
| P14480    | 482594.394 | 215872.437 | 97.575 |
| P14481    | 482595.383 | 215872.375 | 97.026 |
| P14482    | 482596.684 | 215872.378 | 96.639 |
| P14483    | 482599.264 | 215872.279 | 96.319 |
| P14484    | 482600.808 | 215871.844 | 95.425 |
| P14485    | 482602.537 | 215871.641 | 95.262 |
| P14486    | 482606.248 | 215870.969 | 96.364 |
| P14487    | 482610.074 | 215870.482 | 96.433 |
| P14488    | 482622.205 | 215870.482 | 96.33  |
| P14489    | 482630.742 | 215869.134 | 96.279 |
| P14490    | 482641.3   | 215868.236 | 96.222 |
| P14491    | 482653.88  | 215867.787 | 96.279 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| S4370     | 442791.828 | 279915.447 | 192.04 |
| S4371     | 442788.268 | 279915.78  | 192.05 |
| S4372     | 442785.636 | 279916.069 | 192.07 |
| S4373     | 442782.025 | 279916.536 | 192.08 |
| S4374     | 442778.923 | 279917.005 | 192.1  |
| S4375     | 442775.262 | 279917.6   | 192.12 |
| S4376     | 442772.153 | 279918.174 | 192.13 |
| S4377     | 442769.056 | 279918.781 | 192.15 |
| S4378     | 442765.623 | 279919.517 | 192.16 |
| S4379     | 442762.745 | 279920.164 | 192.18 |
| S4380     | 442759.703 | 279920.9   | 192.19 |
| S4381     | 442757.532 | 279921.462 | 192.2  |
| S4382     | 442754.924 | 279922.162 | 192.21 |
| S4383     | 442751.922 | 279923.03  | 192.23 |
| S4384     | 442749.169 | 279923.889 | 192.24 |
| S4385     | 442746.168 | 279924.908 | 192.26 |
| S4386     | 442743.018 | 279926.032 | 192.27 |
| S4387     | 442738.81  | 279927.568 | 192.29 |
| S4388     | 442735.749 | 279928.697 | 192.31 |
| S4389     | 442731.728 | 279930.185 | 192.33 |
| S4390     | 442728.255 | 279931.481 | 192.34 |
| S4391     | 442723.525 | 279933.272 | 192.37 |
| S4392     | 442720.135 | 279934.577 | 192.38 |
| S4393     | 442715.731 | 279936.29  | 192.41 |
| S4394     | 442712.144 | 279937.691 | 192.42 |
| S4395     | 442707.83  | 279939.373 | 192.44 |
| S4396     | 442703.149 | 279941.188 | 192.47 |
| S4397     | 442700.148 | 279942.337 | 192.48 |
| S4398     | 442696.228 | 279943.809 | 192.5  |
| S4399     | 442693.811 | 279944.675 | 192.51 |
| S4400     | 442691.196 | 279945.584 | 192.53 |
| S4401     | 442688.322 | 279946.518 | 192.54 |
| S4402     | 442685.044 | 279947.536 | 192.56 |
| S4403     | 442681.468 | 279948.562 | 192.58 |
| S4404     | 442677.358 | 279949.685 | 192.6  |
| S4405     | 442672.78  | 279950.859 | 192.62 |
| S4406     | 442668.422 | 279951.902 | 192.64 |
| S4407     | 442664.108 | 279952.861 | 192.66 |
| S4408     | 442659.148 | 279953.912 | 192.69 |
| S4409     | 442654.639 | 279954.842 | 192.71 |
| S4410     | 442649.907 | 279955.807 | 192.73 |
| S4411     | 442644.894 | 279956.809 | 192.88 |
| S4412     | 442636.276 | 279958.425 | 192.8  |
| S4413     | 442631.931 | 279959.152 | 192.82 |
| S4414     | 442627.677 | 279959.815 | 192.84 |
| S4415     | 442622.097 | 279960.588 | 192.87 |
| S4416     | 442618.835 | 279961.055 | 192.88 |
| PER241    | 443410.244 | 279841.636 | 190.05 |
| PER242    | 443403.312 | 279842.925 | 190.07 |
| PER243    | 443403.229 | 279842.476 | 190.08 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P14492    | 482705.779 | 217234.021 | 99.04   |
| P14493    | 482709.648 | 217233.779 | 99.121  |
| P14494    | 482722.622 | 217231.683 | 99.185  |
| P14495    | 482725.312 | 217231.174 | 99.19   |
| P14496    | 482854.573 | 219423.385 | 99.972  |
| P14497    | 482866.932 | 219422.272 | 99.952  |
| P14498    | 482881.683 | 219420.551 | 99.886  |
| P14499    | 482901.105 | 219418.093 | 99.951  |
| P14500    | 482909.59  | 219416.918 | 99.94   |
| P14501    | 482918.794 | 219415.966 | 99.95   |
| P14502    | 482921.578 | 219415.632 | 99.98   |
| P14503    | 482932.799 | 219413.836 | 99.93   |
| P14504    | 482944.936 | 219413.958 | 100     |
| P14505    | 482951.256 | 219413.319 | 100.28  |
| P14506    | 482954.401 | 219413.411 | 101.21  |
| P14507    | 482955.276 | 219413.475 | 101.45  |
| P14508    | 482956.149 | 219413.395 | 101.62  |
| P14509    | 482956.925 | 219413.387 | 101.4   |
| P14510    | 482957.6   | 219413.246 | 101.64  |
| P14511    | 482958.146 | 219413.241 | 101.41  |
| P14512    | 482958.854 | 219413.351 | 100.94  |
| P14513    | 482960.004 | 219413.161 | 100.909 |
| P14514    | 482962.155 | 219412.806 | 100.85  |
| P14515    | 482964.721 | 219412.995 | 99.72   |
| P14516    | 482966.94  | 219412.811 | 99.48   |
| P14517    | 482968.015 | 219412.883 | 99.42   |
| P14518    | 482969.068 | 219412.89  | 99.84   |
| P14519    | 482974.5   | 219412.196 | 99.92   |
| P14520    | 482987.724 | 219410.921 | 100.15  |
| P14521    | 483000.915 | 219410.027 | 100.22  |
| P14522    | 482795.146 | 218402.761 | 99.542  |
| P14523    | 482809.159 | 218403.006 | 99.469  |
| P14524    | 482820.222 | 218403.498 | 99.532  |
| P14525    | 482831.039 | 218401.286 | 99.384  |
| P14526    | 482837.712 | 218399.208 | 99.4    |
| P14527    | 482841.846 | 218399.083 | 99.35   |
| P14528    | 482845.377 | 218398.709 | 99.5    |
| P14529    | 482847.635 | 218398.767 | 99.9    |
| P14530    | 482849.789 | 218398.972 | 100.65  |
| P14531    | 482851.223 | 218398.963 | 101.02  |
| P14532    | 482851.84  | 218399.055 | 101.27  |
| P14533    | 482852.561 | 218399.022 | 101.01  |
| P14534    | 482853.272 | 218398.965 | 101.28  |
| P14535    | 482854.1   | 218398.956 | 101.06  |
| P14536    | 482855.577 | 218398.916 | 100.37  |
| P14537    | 482857.682 | 218398.982 | 100.174 |
| P14538    | 482858.481 | 218399.007 | 100.1   |
| P14539    | 482860.031 | 218398.794 | 99.26   |
| P14540    | 482861.276 | 218398.731 | 98.35   |
| P14541    | 482861.963 | 218398.571 | 98.15   |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| PER244    | 443410.161 | 279841.187 | 190.06 |
| PER245    | 443392.405 | 279854.887 | 188.75 |
| PER246    | 443402.475 | 279852.825 | 188.77 |
| PER247    | 443417.441 | 279849.886 | 188.72 |
| PER248    | 443433.836 | 279846.509 | 188.44 |
| PER249    | 443433.926 | 279846.909 | 188.43 |
| PER250    | 443424.406 | 279848.863 | 188.68 |
| PER251    | 443424.518 | 279849.289 | 188.54 |
| PER252    | 443410.855 | 279852.154 | 188.78 |
| PER253    | 443410.966 | 279852.69  | 188.66 |
| PER254    | 443409.368 | 279853.007 | 188.59 |
| PER255    | 443409.278 | 279852.477 | 188.75 |
| PER256    | 443405.427 | 279853.149 | 188.77 |
| PER257    | 443405.35  | 279852.686 | 188.87 |
| PER258    | 443392.5   | 279855.336 | 188.73 |
| C501      | 442275.16  | 280055.239 | 193.67 |
| C502      | 442277.697 | 280067.156 | 193.54 |
| C503      | 442249.297 | 280072.889 | 193.66 |
| C504      | 442246.983 | 280060.985 | 193.67 |
| C505      | 442314.652 | 280053.119 | 193.29 |
| C506      | 442309.853 | 280054.279 | 193.24 |
| C507      | 442311.664 | 280060.985 | 193.06 |
| C508      | 442316.415 | 280059.947 | 193.35 |
| C509      | 442216.974 | 280048.081 | 193.04 |
| C510      | 442218.772 | 280057.469 | 193.5  |
| C511      | 442235.315 | 280054.353 | 193.4  |
| C512      | 442233.51  | 280044.942 | 193.53 |
| C513      | 442227.095 | 280046.247 | 193.56 |
| C514      | 442226.723 | 280044.422 | 193.52 |
| C515      | 442222.998 | 280045.134 | 193.47 |
| C516      | 442223.38  | 280047.017 | 193.61 |
| C517      | 442247.591 | 280043.22  | 193.56 |
| C518      | 442249.401 | 280052.375 | 193.56 |
| C519      | 442271.344 | 280048.012 | 193.46 |
| C520      | 442269.52  | 280038.689 | 193.48 |
| C521      | 442155.356 | 280068.279 | 193.38 |
| C522      | 442156.427 | 280072.358 | 193.41 |
| C523      | 442150.247 | 280073.49  | 193.51 |
| C524      | 442149.283 | 280069.536 | 193.49 |
| C525      | 442210.88  | 280043.952 | 193.72 |
| C526      | 442204.072 | 280045.084 | 193.66 |
| C527      | 442203.436 | 280041.251 | 194.07 |
| C528      | 442203.093 | 280039.182 | 194.04 |
| C529      | 442209.986 | 280038.181 | 194.32 |
| C530      | 442207.989 | 280059.989 | 193.4  |
| C531      | 442204.224 | 280060.744 | 193.35 |
| C532      | 442198.542 | 280062.081 | 193.36 |
| C533      | 442195.986 | 280051.61  | 193.44 |
| C534      | 442202.249 | 280050.178 | 193.45 |
| C535      | 442202.321 | 280050.491 | 193.46 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14542    | 482862.626 | 218398.43  | 98.42  |
| P14543    | 482864.305 | 218398.337 | 99.33  |
| P14544    | 482871.024 | 218396.75  | 99.55  |
| P14545    | 482880.392 | 218394.987 | 99.41  |
| P14546    | 482892.469 | 218392.787 | 99.48  |
| P14547    | 482905.205 | 218390.342 | 99.36  |
| P14548    | 482917.005 | 218388.022 | 99.26  |
| P14549    | 482758.075 | 217611.785 | 99.42  |
| P14550    | 482762.987 | 217611.265 | 99.576 |
| P14551    | 482764.77  | 217611.076 | 99.633 |
| P14552    | 482764.985 | 217611.053 | 99.64  |
| P14553    | 482765.175 | 217611.027 | 99.717 |
| P14554    | 482765.799 | 217610.94  | 99.97  |
| P14555    | 482766.558 | 217610.787 | 99.75  |
| P14556    | 482767.25  | 217610.725 | 99.99  |
| P14557    | 482767.771 | 217610.667 | 99.65  |
| P14558    | 482768.408 | 217610.69  | 99.51  |
| P14559    | 482769.343 | 217610.619 | 99.61  |
| P14560    | 482770.211 | 217610.62  | 99.91  |
| P14561    | 482770.832 | 217610.511 | 100.2  |
| P14562    | 482771.534 | 217610.426 | 99.98  |
| P14563    | 482772.321 | 217610.378 | 100.2  |
| P14564    | 482772.987 | 217610.513 | 100    |
| P14565    | 482773.832 | 217610.485 | 99.73  |
| P14566    | 482774.991 | 217609.863 | 99.41  |
| P14567    | 482775.326 | 217609.815 | 99.64  |
| P14568    | 482775.965 | 217609.785 | 99.78  |
| P14569    | 482776.79  | 217609.784 | 99.55  |
| P14570    | 482777.399 | 217609.857 | 99.77  |
| P14571    | 482778.263 | 217609.751 | 99.65  |
| P14572    | 482778.592 | 217609.783 | 99.48  |
| P14573    | 482779.284 | 217609.743 | 99.513 |
| P14574    | 482780.039 | 217609.7   | 99.55  |
| P14575    | 482781.003 | 217609.557 | 99.81  |
| P14576    | 482781.746 | 217609.581 | 99.61  |
| P14577    | 482782.492 | 217609.673 | 99.8   |
| P14578    | 482783.119 | 217609.537 | 99.53  |
| P14579    | 482783.679 | 217609.48  | 99.33  |
| P14580    | 482785.447 | 217609.405 | 98.89  |
| P14581    | 482786.803 | 217609.196 | 98.49  |
| P14582    | 482789.11  | 217609.125 | 97.13  |
| P14583    | 482790.052 | 217609.054 | 97.18  |
| P14584    | 482791.386 | 217608.795 | 97.71  |
| P14585    | 482795.96  | 217608.557 | 98     |
| P14586    | 482801.038 | 217607.326 | 97.713 |
| P14587    | 482807.328 | 217607.102 | 98.649 |
| P14588    | 482817.662 | 217607.102 | 98.744 |
| P14589    | 482830.916 | 217606.652 | 98.659 |
| P14590    | 482706.237 | 217554.871 | 98.395 |
| P14591    | 482717.706 | 217556.439 | 98.546 |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| C536      | 442205.537 | 280049.806 | 193.44 |
| C537      | 442192.903 | 280052.382 | 193.45 |
| C538      | 442194.298 | 280058.436 | 193.37 |
| C539      | 442190.458 | 280059.088 | 193.44 |
| C540      | 442189.118 | 280053.144 | 193.45 |
| C541      | 442191.418 | 280064.037 | 193.23 |
| C542      | 442195.041 | 280063.204 | 193.43 |
| C543      | 442189.946 | 280061.476 | 193.41 |
| C544      | 442191.105 | 280066.397 | 193.36 |
| C545      | 442187.863 | 280067.194 | 193.33 |
| C546      | 442186.769 | 280062.097 | 193.41 |
| C547      | 442187.132 | 280062.026 | 193.41 |
| C548      | 442189.203 | 280061.621 | 193.43 |
| C549      | 442188.343 | 280056.845 | 193.46 |
| C550      | 442186.16  | 280057.325 | 193.46 |
| C551      | 442183.258 | 280062.777 | 193.36 |
| C552      | 442184.499 | 280067.897 | 193.22 |
| C553      | 442182.667 | 280060.156 | 193.38 |
| C554      | 442183.091 | 280062.804 | 193.36 |
| C555      | 442183.119 | 280062.983 | 193.36 |
| C556      | 442180.066 | 280063.549 | 193.33 |
| C557      | 442179.359 | 280060.794 | 193.35 |
| C558      | 442179.389 | 280062.698 | 193.33 |
| C559      | 442180.717 | 280068.459 | 193.32 |
| C560      | 442174.025 | 280069.715 | 193.3  |
| C561      | 442172.888 | 280063.794 | 193.28 |
| C562      | 442173.734 | 280069.741 | 193.32 |
| C563      | 442171.051 | 280070.266 | 193.32 |
| C564      | 442170.971 | 280069.819 | 193.32 |
| C565      | 442170.121 | 280069.984 | 193.32 |
| C566      | 442169.152 | 280065.496 | 193.32 |
| C567      | 442172.828 | 280064.88  | 193.3  |
| C568      | 442175.442 | 280061.714 | 193.31 |
| C569      | 442172.118 | 280062.313 | 193.3  |
| C570      | 442169.773 | 280051.545 | 193.34 |
| C571      | 442173.35  | 280050.909 | 193.58 |
| C572      | 442174.827 | 280058.536 | 193.37 |
| C573      | 442177.814 | 280058.101 | 193.43 |
| C574      | 442178.267 | 280061.083 | 193.33 |
| C575      | 442175.409 | 280061.545 | 193.32 |
| C576      | 442180.269 | 280057.475 | 193.45 |
| C577      | 442176.366 | 280058.123 | 193.38 |
| C578      | 442175.555 | 280053.58  | 193.54 |
| C579      | 442179.404 | 280052.81  | 193.47 |
| C580      | 442179.46  | 280053.113 | 193.47 |
| C581      | 442180.367 | 280052.909 | 193.44 |
| C582      | 442179.728 | 280050.022 | 193.5  |
| C583      | 442176.551 | 280050.647 | 193.56 |
| C584      | 442177.179 | 280053.255 | 193.52 |
| C585      | 442182.371 | 280057.126 | 193.46 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14592    | 482720.497 | 217557.585 | 98.64  |
| P14593    | 482728.477 | 217559.364 | 98.484 |
| P14594    | 482740.608 | 217561.386 | 99.396 |
| P14595    | 482751.615 | 217561.611 | 99.564 |
| P14596    | 482757.303 | 217562.056 | 99.69  |
| P14597    | 482757.81  | 217561.935 | 99.702 |
| P14598    | 482759.551 | 217561.521 | 99.744 |
| P14599    | 482760.22  | 217561.362 | 99.76  |
| P14600    | 482760.696 | 217561.304 | 99.95  |
| P14601    | 482761.402 | 217561.252 | 99.73  |
| P14602    | 482762.182 | 217561.176 | 99.94  |
| P14603    | 482762.643 | 217561.133 | 99.71  |
| P14604    | 482763.859 | 217560.97  | 99.54  |
| P14605    | 482765.179 | 217561.023 | 99.86  |
| P14606    | 482765.739 | 217560.923 | 100.07 |
| P14607    | 482766.36  | 217560.838 | 99.86  |
| P14608    | 482767.242 | 217560.77  | 100.08 |
| P14609    | 482767.689 | 217560.665 | 99.89  |
| P14610    | 482768.639 | 217560.515 | 99.73  |
| P14611    | 482769.729 | 217560.454 | 99.25  |
| P14612    | 482770.173 | 217560.333 | 99.38  |
| P14613    | 482770.832 | 217560.261 | 99.59  |
| P14614    | 482771.474 | 217560.124 | 99.35  |
| P14615    | 482772.317 | 217559.928 | 99.56  |
| P14616    | 482772.867 | 217559.757 | 99.36  |
| P14617    | 482774.262 | 217559.609 | 99.464 |
| P14618    | 482775.272 | 217559.501 | 99.54  |
| P14619    | 482775.942 | 217559.406 | 99.63  |
| P14620    | 482776.652 | 217559.288 | 99.46  |
| P14621    | 482777.436 | 217559.26  | 99.66  |
| P14622    | 482778.143 | 217559.192 | 99.49  |
| P14623    | 482778.863 | 217559.059 | 98.93  |
| P14624    | 482780.02  | 217558.902 | 98.83  |
| P14625    | 482782.193 | 217558.484 | 98.49  |
| P14626    | 482785.086 | 217559.29  | 96.91  |
| P14627    | 482785.798 | 217559.35  | 96.8   |
| P14628    | 482788.421 | 217559.55  | 97.82  |
| P14629    | 482793.742 | 217559.914 | 97.85  |
| P14630    | 482799.638 | 217558.824 | 97.92  |
| P14631    | 482810.322 | 217554.49  | 97.94  |
| P14632    | 482813.64  | 217554.975 | 98.5   |
| P14633    | 482822.295 | 217556.011 | 98.56  |
| P14634    | 482836.774 | 217557.787 | 98.62  |
| P14635    | 482716.031 | 217427.02  | 99.293 |
| P14636    | 482719.598 | 217427.098 | 99.111 |
| P14637    | 482722.744 | 217425.871 | 99.307 |
| P14638    | 482728.634 | 217424.473 | 99.364 |
| P14639    | 482734.026 | 217423.375 | 99.466 |
| P14640    | 482740.216 | 217422.676 | 99.496 |
| P14641    | 482745.694 | 217421.332 | 99.53  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| C586      | 442181.482 | 280052.239 | 193.48 |
| C587      | 442180.259 | 280052.424 | 193.44 |
| C588      | 442184.994 | 280051.649 | 193.53 |
| C589      | 442159.856 | 280056.236 | 193.51 |
| C590      | 442161.187 | 280061.376 | 193.46 |
| C591      | 442157.646 | 280062.118 | 193.45 |
| C592      | 442156.255 | 280056.937 | 193.5  |
| C593      | 442149.737 | 280073.941 | 193.49 |
| C594      | 442152.21  | 280086.438 | 193.7  |
| C595      | 442148.708 | 280087.074 | 193.55 |
| C596      | 442146.269 | 280074.543 | 193.37 |
| C597      | 442140.712 | 280065.32  | 193.41 |
| C598      | 442142.216 | 280073.386 | 193.32 |
| C599      | 442145.983 | 280072.679 | 193.51 |
| C600      | 442144.534 | 280064.777 | 193.43 |
| C601      | 442145.494 | 280070.012 | 193.45 |
| C602      | 442148.784 | 280069.463 | 193.49 |
| C603      | 442149.482 | 280073.414 | 193.5  |
| C604      | 442146.194 | 280074.021 | 193.39 |
| C605      | 442167.847 | 280060.142 | 193.4  |
| C606      | 442168.382 | 280062.825 | 193.34 |
| C607      | 442165.909 | 280063.323 | 193.39 |
| C608      | 442165.408 | 280060.657 | 193.43 |
| C609      | 442162.247 | 280064.476 | 193.39 |
| C610      | 442163.161 | 280068.617 | 193.36 |
| C611      | 442159.305 | 280069.135 | 193.37 |
| C612      | 442158.53  | 280065.053 | 193.39 |
| C613      | 442162.014 | 280068.771 | 193.37 |
| C614      | 442162.585 | 280071.887 | 193.34 |
| C615      | 442160.007 | 280072.346 | 193.36 |
| C616      | 442165.254 | 280052.231 | 193.41 |
| C617      | 442165.761 | 280055.032 | 193.35 |
| C618      | 442166.865 | 280054.892 | 193.38 |
| C619      | 442167.958 | 280059.725 | 193.4  |
| C620      | 442162.481 | 280055.791 | 193.48 |
| C621      | 442161.947 | 280052.764 | 193.4  |
| C622      | 442141.068 | 280064.654 | 193.38 |
| C623      | 442141.068 | 280059.189 | 193.36 |
| C624      | 442145.673 | 280058.754 | 193.46 |
| C625      | 442145.539 | 280057.695 | 193.41 |
| C626      | 442147.66  | 280057.48  | 193.39 |
| C627      | 442147.687 | 280058.489 | 193.43 |
| C628      | 442201.453 | 280045.562 | 193.6  |
| C629      | 442200.51  | 280041.737 | 193.89 |
| C630      | 442238.456 | 280038.297 | 193.7  |
| C631      | 442231.501 | 280039.639 | 193.6  |
| C632      | 442230.414 | 280033.059 | 193.94 |
| C633      | 442237.514 | 280032.008 | 193.93 |
| C634      | 442318.105 | 280037.3   | 193.47 |
| C635      | 442277.763 | 280045.46  | 193.37 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14642    | 482746.368 | 217421.278 | 99.7   |
| P14643    | 482747.15  | 217421.183 | 99.52  |
| P14644    | 482747.875 | 217421.082 | 99.69  |
| P14645    | 482748.349 | 217421.068 | 99.52  |
| P14646    | 482749.585 | 217420.847 | 99.71  |
| P14647    | 482749.625 | 217420.85  | 100.07 |
| P14648    | 482750.618 | 217420.738 | 99.76  |
| P14649    | 482750.818 | 217420.701 | 99.809 |
| P14650    | 482751.394 | 217420.594 | 99.95  |
| P14651    | 482752.109 | 217420.507 | 99.73  |
| P14652    | 482752.875 | 217420.503 | 99.94  |
| P14653    | 482753.399 | 217420.444 | 99.72  |
| P14654    | 482755.268 | 217420.514 | 99.23  |
| P14655    | 482755.853 | 217420.591 | 99.28  |
| P14656    | 482756.31  | 217420.482 | 99.46  |
| P14657    | 482757.008 | 217420.409 | 99.24  |
| P14658    | 482757.808 | 217420.393 | 99.45  |
| P14659    | 482758.286 | 217420.323 | 99.23  |
| P14660    | 482758.797 | 217420.285 | 99.06  |
| P14661    | 482759.695 | 217420.199 | 99.35  |
| P14662    | 482760.733 | 217420.061 | 99.39  |
| P14663    | 482760.795 | 217420.059 | 99.4   |
| P14664    | 482761.7   | 217420.034 | 99.54  |
| P14665    | 482762.43  | 217420.02  | 99.32  |
| P14666    | 482763.202 | 217419.872 | 99.52  |
| P14667    | 482763.683 | 217419.852 | 99.33  |
| P14668    | 482764.879 | 217419.734 | 98.64  |
| P14669    | 482766.583 | 217419.611 | 98.595 |
| P14670    | 482769.694 | 217417.95  | 97.632 |
| P14671    | 482772.301 | 217417.756 | 96.444 |
| P14672    | 482774.946 | 217417.105 | 97.01  |
| P14673    | 482777.857 | 217416.186 | 97.395 |
| P14674    | 482786.693 | 217415.887 | 97.122 |
| P14675    | 482794.93  | 217415.587 | 97.054 |
| P14676    | 482799.872 | 217414.838 | 97.896 |
| P14677    | 482805.866 | 217413.452 | 98.228 |
| P14678    | 482808.846 | 217412.574 | 98.248 |
| P14679    | 482816.945 | 217410.72  | 97.847 |
| P14680    | 482823.535 | 217409.072 | 97.916 |
| P14681    | 482833.719 | 217408.324 | 98.183 |
| P14682    | 482646.415 | 217278.024 | 97.951 |
| P14683    | 482677.248 | 217276.507 | 97.951 |
| P14684    | 482685.841 | 217277.013 | 97.902 |
| P14685    | 482694.433 | 217277.518 | 99.002 |
| P14686    | 482705.866 | 217275.359 | 99.09  |
| P14687    | 482706.79  | 217275.432 | 99.09  |
| P14688    | 482710.235 | 217275.357 | 99.15  |
| P14689    | 482716.389 | 217275.021 | 99.17  |
| P14690    | 482722.257 | 217274.925 | 99.13  |
| P14691    | 482726.647 | 217275.043 | 99.29  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| C636      | 442275.486 | 280033.066 | 193.42 |
| C637      | 442311.215 | 280025.907 | 193.44 |
| C638      | 442310.962 | 280024.27  | 193.41 |
| C639      | 442318.013 | 280022.863 | 193.42 |
| C640      | 442318.748 | 280026.883 | 193.53 |
| C641      | 442316.502 | 280027.376 | 193.58 |
| C642      | 442344.055 | 280026.321 | 193.95 |
| C643      | 442345.734 | 280033.868 | 193.67 |
| C644      | 442339.025 | 280035.754 | 193.59 |
| C645      | 442337.263 | 280027.711 | 193.7  |
| C646      | 442361.07  | 280043.83  | 193.36 |
| C647      | 442352.839 | 280045.035 | 193.27 |
| C648      | 442353.473 | 280051.515 | 193.49 |
| C649      | 442361.876 | 280050.418 | 193.33 |
| C650      | 442361.857 | 280050.262 | 193.34 |
| C651      | 442361.133 | 280044.339 | 193.37 |
| C652      | 442365.032 | 280043.803 | 193.38 |
| C653      | 442365.964 | 280049.521 | 193.42 |
| C654      | 442443.698 | 280002.376 | 193.58 |
| C655      | 442446.772 | 280010.518 | 193.42 |
| C656      | 442442.696 | 280012.149 | 193.16 |
| C657      | 442439.739 | 280003.992 | 192.98 |
| C658      | 442484.095 | 280013.46  | 192.47 |
| C659      | 442485.055 | 280018.608 | 192.54 |
| C660      | 442478.879 | 280019.677 | 192.6  |
| C661      | 442477.916 | 280014.609 | 192.46 |
| C662      | 442512.016 | 279985.459 | 193.55 |
| C663      | 442513.361 | 279997.399 | 193.43 |
| C664      | 442498.798 | 279998.479 | 192.55 |
| C665      | 442497.367 | 279986.87  | 192.81 |
| C666      | 442614.214 | 279984.675 | 192.51 |
| C667      | 442614.938 | 279987.829 | 192.13 |
| C668      | 442610.699 | 279988.717 | 192.53 |
| C669      | 442609.875 | 279985.799 | 192.41 |
| C670      | 442700.557 | 279931.797 | 192.39 |
| C671      | 442701.173 | 279938.812 | 192.63 |
| C672      | 442692.786 | 279939.32  | 192.83 |
| C673      | 442692.171 | 279932.631 | 192.63 |
| C674      | 442781.633 | 279946.248 | 192.57 |
| C675      | 442774.387 | 279946.085 | 192.72 |
| C676      | 442774.391 | 279945.354 | 192.68 |
| C677      | 442761.238 | 279944.919 | 192.68 |
| C678      | 442761.257 | 279943.097 | 192.66 |
| C679      | 442753.088 | 279942.948 | 192.68 |
| C680      | 442753.459 | 279931.238 | 192.27 |
| C681      | 442763.922 | 279931.438 | 192.26 |
| C682      | 442763.953 | 279928.686 | 192.12 |
| C683      | 442770.927 | 279928.9   | 192.13 |
| C684      | 442770.805 | 279933.379 | 192.01 |
| C685      | 442782.384 | 279933.563 | 191.89 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14692    | 482729.839 | 217274.348 | 99.23  |
| P14693    | 482730.539 | 217274.283 | 99.44  |
| P14694    | 482731.134 | 217274.104 | 99.63  |
| P14695    | 482731.921 | 217273.963 | 99.4   |
| P14696    | 482732.566 | 217273.907 | 99.66  |
| P14697    | 482733.335 | 217273.789 | 99.56  |
| P14698    | 482734.399 | 217273.672 | 99.2   |
| P14699    | 482735.728 | 217273.257 | 99.45  |
| P14700    | 482736.211 | 217273.215 | 99.67  |
| P14701    | 482737.001 | 217273.118 | 99.48  |
| P14702    | 482737.619 | 217273.028 | 99.68  |
| P14703    | 482738.595 | 217272.737 | 99.45  |
| P14704    | 482739.69  | 217272.552 | 99.27  |
| P14705    | 482739.963 | 217272.57  | 99.04  |
| P14706    | 482741.015 | 217272.505 | 99.17  |
| P14707    | 482741.718 | 217272.449 | 98.97  |
| P14708    | 482742.339 | 217272.303 | 99.16  |
| P14709    | 482742.495 | 217272.253 | 99.124 |
| P14710    | 482743.419 | 217271.953 | 98.91  |
| P14711    | 482744.12  | 217272.035 | 99.15  |
| P14712    | 482745.775 | 217271.857 | 99.33  |
| P14713    | 482746.425 | 217271.593 | 99.38  |
| P14714    | 482747.116 | 217271.635 | 99.12  |
| P14715    | 482747.789 | 217271.43  | 99.33  |
| P14716    | 482748.402 | 217271.319 | 99.2   |
| P14717    | 482749.481 | 217271.2   | 98.87  |
| P14718    | 482751.947 | 217269.958 | 98.72  |
| P14719    | 482753.52  | 217269.534 | 98.06  |
| P14720    | 482755.18  | 217269.14  | 97.15  |
| P14721    | 482758.493 | 217268.999 | 97.12  |
| P14722    | 482763.088 | 217267.885 | 97.039 |
| P14723    | 482764.132 | 217267.632 | 97.02  |
| P14724    | 482765.175 | 217267.321 | 96.49  |
| P14725    | 482766.08  | 217267.145 | 96.45  |
| P14726    | 482767.186 | 217266.992 | 97     |
| P14727    | 482768.523 | 217267.264 | 97.17  |
| P14728    | 482769.766 | 217267.226 | 97.46  |
| P14729    | 482790.204 | 217267.106 | 98.116 |
| P14730    | 482793.872 | 217266.473 | 98.216 |
| P14731    | 482801.59  | 217265.387 | 98.665 |
| P14732    | 482812.71  | 217264.376 | 98.696 |
| P14733    | 482825.346 | 217263.365 | 98.753 |
| P14734    | 482834.95  | 217263.365 | 98.791 |
| P14735    | 482725.295 | 217231.009 | 99.19  |
| P14736    | 482726.171 | 217231.008 | 99.44  |
| P14737    | 482726.695 | 217230.865 | 99.59  |
| P14738    | 482727.466 | 217230.721 | 99.36  |
| P14739    | 482728.113 | 217230.749 | 99.61  |
| P14740    | 482728.986 | 217230.658 | 99.49  |
| P14741    | 482730.154 | 217230.366 | 99.06  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| C686      | 442797.316 | 279931.812 | 192.05 |
| C687      | 442797.459 | 279939.339 | 193.6  |
| C688      | 442809.886 | 279939.486 | 192.62 |
| C689      | 442809.915 | 279934.957 | 192.46 |
| C690      | 442810.8   | 279934.957 | 192.5  |
| C691      | 442810.8   | 279930.937 | 191.95 |
| C692      | 442806.22  | 279930.728 | 192.11 |
| C693      | 442806.233 | 279931.838 | 192.11 |
| C694      | 443424.325 | 279866.228 | 187.58 |
| C695      | 443417.917 | 279867.557 | 188.4  |
| C696      | 443415.505 | 279856.28  | 188.41 |
| C697      | 443421.827 | 279855.067 | 188.42 |
| C698      | 443428.324 | 279854.241 | 188.1  |
| C699      | 443428.736 | 279856.122 | 187.86 |
| C700      | 443430.66  | 279855.75  | 187.82 |
| C701      | 443430.289 | 279853.883 | 188.11 |
| C702      | 443460.833 | 279860.502 | 187.34 |
| C703      | 443447.139 | 279863.223 | 187.26 |
| C704      | 443445.383 | 279854.645 | 187.85 |
| C705      | 443459.077 | 279851.924 | 187.88 |
| C706      | 443448.83  | 279863.288 | 187.15 |
| C707      | 443449.718 | 279867.756 | 186.96 |
| C708      | 443455.431 | 279866.768 | 187.05 |
| C709      | 443455.398 | 279866.603 | 187.05 |
| C710      | 443454.498 | 279862.018 | 187.03 |
| C711      | 443460.595 | 279865.509 | 186.96 |
| C712      | 443459.761 | 279861.068 | 187.29 |
| C713      | 443458.986 | 279868.715 | 186.83 |
| C714      | 443457.023 | 279869.145 | 186.88 |
| C715      | 443456.543 | 279866.988 | 187.09 |
| C716      | 443458.522 | 279866.567 | 186.93 |
| C717      | 443456.719 | 279869.218 | 186.87 |
| C718      | 443454.742 | 279869.558 | 186.86 |
| C719      | 443454.326 | 279867.645 | 187    |
| C720      | 443456.314 | 279867.251 | 187.07 |
| C721      | 443458.431 | 279869.139 | 186.78 |
| C722      | 443458.618 | 279870.596 | 186.55 |
| C723      | 443456.933 | 279870.809 | 186.65 |
| C724      | 443456.722 | 279869.422 | 186.84 |
| C725      | 443460.45  | 279864.736 | 186.99 |
| C726      | 443463.797 | 279864.388 | 187    |
| C727      | 443463.372 | 279860.13  | 186.9  |
| C728      | 443461.108 | 279860.4   | 187.35 |
| C729      | 443461.182 | 279860.792 | 187.31 |
| C730      | 443424.724 | 279884.474 | 186.57 |
| C731      | 443420.503 | 279885.654 | 186.78 |
| C732      | 443419.316 | 279881.467 | 187.06 |
| C733      | 443423.337 | 279880.251 | 186.73 |
| C734      | 443818.061 | 279738.121 | 191.56 |
| C735      | 443820.557 | 279746.182 | 191.15 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14742    | 482731.195 | 217230.423 | 99.34  |
| P14743    | 482731.84  | 217230.378 | 99.57  |
| P14744    | 482732.552 | 217230.329 | 99.34  |
| P14745    | 482733.305 | 217230.268 | 99.55  |
| P14746    | 482734.244 | 217230.089 | 99.43  |
| P14747    | 482735.443 | 217229.744 | 98.82  |
| P14748    | 482736.264 | 217229.692 | 98.88  |
| P14749    | 482736.59  | 217229.61  | 99.07  |
| P14750    | 482737.46  | 217229.466 | 98.86  |
| P14751    | 482738.05  | 217229.422 | 99.09  |
| P14752    | 482739.224 | 217229.152 | 98.9   |
| P14753    | 482739.565 | 217229.07  | 99.15  |
| P14754    | 482741.379 | 217228.925 | 99.18  |
| P14755    | 482742.013 | 217228.778 | 99.185 |
| P14756    | 482742.75  | 217228.606 | 99.19  |
| P14757    | 482743.433 | 217228.587 | 99.2   |
| P14758    | 482744.128 | 217228.568 | 99.21  |
| P14759    | 482744.934 | 217228.372 | 98.86  |
| P14760    | 482747.091 | 217227.848 | 98.41  |
| P14761    | 482751.653 | 217227.189 | 97.219 |
| P14762    | 482754.185 | 217226.812 | 96.703 |
| P14763    | 482756.399 | 217225.511 | 97.442 |
| P14764    | 482786.758 | 217217.709 | 98.054 |
| P14765    | 482791.387 | 217217.432 | 98.22  |
| P14766    | 482632.262 | 217187.547 | 97.682 |
| P14767    | 482659.557 | 217182.998 | 98.001 |
| P14768    | 482675.226 | 217178.449 | 97.971 |
| P14769    | 482680.281 | 217177.944 | 98.834 |
| P14770    | 482694.021 | 217176.757 | 98.78  |
| P14771    | 482701.695 | 217175.617 | 98.97  |
| P14772    | 482706.075 | 217174.765 | 99.08  |
| P14773    | 482710.261 | 217175.058 | 99.11  |
| P14774    | 482716.075 | 217174.778 | 99.078 |
| P14775    | 482719.402 | 217174.617 | 99.06  |
| P14776    | 482720.483 | 217174.485 | 99.33  |
| P14777    | 482721.027 | 217174.475 | 99.49  |
| P14778    | 482721.737 | 217174.412 | 99.29  |
| P14779    | 482722.463 | 217174.424 | 99.5   |
| P14780    | 482723.219 | 217174.414 | 99.29  |
| P14781    | 482724.189 | 217174.465 | 99.01  |
| P14782    | 482725.539 | 217174.39  | 99.35  |
| P14783    | 482726.138 | 217174.34  | 99.47  |
| P14784    | 482726.833 | 217174.212 | 99.27  |
| P14785    | 482727.592 | 217174.133 | 99.48  |
| P14786    | 482728.272 | 217174.035 | 99.31  |
| P14787    | 482728.993 | 217173.536 | 99.05  |
| P14788    | 482729.88  | 217173.426 | 98.72  |
| P14789    | 482730.974 | 217173.156 | 98.98  |
| P14790    | 482731.672 | 217173.029 | 98.75  |
| P14791    | 482732.367 | 217173.032 | 98.95  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| C736      | 443837.314 | 279741.109 | 190.94 |
| C737      | 443835.216 | 279732.829 | 191.95 |
| C738      | 443828.152 | 279734.996 | 191.89 |
| C739      | 443827.634 | 279733.498 | 192    |
| C740      | 443824.16  | 279734.526 | 191.45 |
| C741      | 443824.632 | 279735.991 | 191.49 |
| C742      | 444715.505 | 279335.429 | 181.31 |
| C743      | 444723.772 | 279355.7   | 181.11 |
| C744      | 444733.818 | 279351.548 | 181.08 |
| C745      | 444725.477 | 279331.371 | 181.13 |
| C746      | 444863.941 | 279395.156 | 180.98 |
| C747      | 444873.132 | 279390.997 | 181.18 |
| C748      | 444871.071 | 279386.341 | 181.21 |
| C749      | 444861.88  | 279390.5   | 181.66 |
| C750      | 444855.572 | 279392.247 | 180.99 |
| C751      | 444859.522 | 279390.469 | 181.53 |
| C752      | 444860.391 | 279392.395 | 181.27 |
| C753      | 444856.442 | 279394.173 | 181.01 |
| C754      | 444713.337 | 279350.201 | 181.18 |
| C755      | 444710.497 | 279351.285 | 181.43 |
| C756      | 444709.173 | 279348.187 | 181.47 |
| C757      | 444711.874 | 279347.021 | 181.07 |
| C758      | 442425.311 | 280006.385 | 193.97 |
| C759      | 442425.665 | 280015.509 | 194.05 |
| C760      | 442429.421 | 280015.437 | 193.87 |
| C761      | 442429.067 | 280006.312 | 193.92 |
| C783      | 443433.747 | 279859.245 | 187.5  |
| C784      | 443434.125 | 279862.203 | 187.36 |
| C785      | 443430.396 | 279862.879 | 187.51 |
| C786      | 443429.868 | 279859.764 | 187.63 |
| C787      | 443433.481 | 279862.32  | 187.33 |
| C788      | 443434.311 | 279866.652 | 187.15 |
| C789      | 443431.307 | 279867.285 | 187.09 |
| C790      | 442623.506 | 279939.23  | 194.3  |
| C791      | 442625.145 | 279947.115 | 193.67 |
| C792      | 442620.515 | 279948.012 | 194.16 |
| C793      | 442619.017 | 279940.264 | 194.15 |
| C794      | 442174.922 | 280044.208 | 194.08 |
| C795      | 442175.428 | 280047.141 | 193.9  |
| C796      | 442171.487 | 280047.715 | 193.92 |
| C797      | 442170.822 | 280044.842 | 194.09 |
| C834      | 442371.796 | 280033.251 | 194.12 |
| C835      | 442425.265 | 280023.379 | 193.88 |
| C836      | 442422.626 | 280010.052 | 194.14 |
| C837      | 442369.14  | 280020.892 | 194.05 |
| DR435     | 444671.322 | 279451.766 | 182.69 |
| DR436     | 444677.619 | 279466.429 | 182.03 |
| DR437     | 444680.206 | 279472.565 | 182.06 |
| DR438     | 444685.144 | 279484.814 | 182.03 |
| DR439     | 444690.593 | 279496.101 | 181.96 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14792    | 482733.551 | 217172.919 | 98.8   |
| P14793    | 482735.55  | 217172.742 | 99.04  |
| P14794    | 482736.235 | 217172.717 | 99.22  |
| P14795    | 482736.835 | 217172.313 | 98.99  |
| P14796    | 482737.714 | 217172.35  | 99.19  |
| P14797    | 482738.339 | 217172.316 | 98.97  |
| P14798    | 482739.092 | 217172.308 | 98.77  |
| P14799    | 482742.441 | 217171.958 | 98     |
| P14800    | 482746.844 | 217172.329 | 97.41  |
| P14801    | 482751.57  | 217171.59  | 97.16  |
| P14802    | 482754.18  | 217171.793 | 97.3   |
| P14803    | 482755.822 | 217171.941 | 96.59  |
| P14804    | 482756.468 | 217171.845 | 96.31  |
| P14805    | 482757.138 | 217171.711 | 96.48  |
| P14806    | 482758.801 | 217171.611 | 97.42  |
| P14807    | 482761.164 | 217172.233 | 97.44  |
| P14808    | 482782.265 | 217170.823 | 98.001 |
| P14809    | 482785.317 | 217170.874 | 98.223 |
| P14810    | 482795.019 | 217170.362 | 98.376 |
| P14811    | 482812.71  | 217171.878 | 98.572 |
| P14812    | 482632.768 | 217124.113 | 97.833 |
| P14813    | 482646.921 | 217126.134 | 97.86  |
| P14814    | 482658.041 | 217126.134 | 97.777 |
| P14815    | 482673.71  | 217122.091 | 98.488 |
| P14816    | 482690.264 | 217112.897 | 98.717 |
| P14817    | 482693.765 | 217111.007 | 98.695 |
| P14818    | 482709.406 | 217113.48  | 98.897 |
| P14819    | 482713.293 | 217112.579 | 98.95  |
| P14820    | 482714.038 | 217112.591 | 99.18  |
| P14821    | 482714.608 | 217112.47  | 99.38  |
| P14822    | 482715.377 | 217112.402 | 99.15  |
| P14823    | 482716.227 | 217112.218 | 99.38  |
| P14824    | 482716.789 | 217112.23  | 99.23  |
| P14825    | 482717.994 | 217111.971 | 98.91  |
| P14826    | 482719.102 | 217111.905 | 99.17  |
| P14827    | 482719.783 | 217111.908 | 99.34  |
| P14828    | 482720.427 | 217111.839 | 99.11  |
| P14829    | 482721.142 | 217111.812 | 99.34  |
| P14830    | 482721.853 | 217111.615 | 99.13  |
| P14831    | 482722.617 | 217111.608 | 98.96  |
| P14832    | 482723.581 | 217111.554 | 98.61  |
| P14833    | 482723.995 | 217111.508 | 98.72  |
| P14834    | 482724.628 | 217111.38  | 98.92  |
| P14835    | 482725.213 | 217111.426 | 98.68  |
| P14836    | 482726.148 | 217111.386 | 98.89  |
| P14837    | 482727.074 | 217111.271 | 98.71  |
| P14838    | 482727.51  | 217111.33  | 98.96  |
| P14839    | 482729.528 | 217111.062 | 99.01  |
| P14840    | 482729.898 | 217111.042 | 98.975 |
| P14841    | 482730.697 | 217110.998 | 98.9   |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| DR440     | 444691.648 | 279499.296 | 181.9  |
| DR441     | 444692.316 | 279500.968 | 181.92 |
| DR442     | 444684.43  | 279493.591 | 181.99 |
| DR443     | 444686.826 | 279497.696 | 182.05 |
| DR444     | 444688.514 | 279500.046 | 181.88 |
| DR445     | 444689.232 | 279501.844 | 181.84 |
| DR446     | 444667.132 | 279453.566 | 182.7  |
| DR447     | 444673.526 | 279468.196 | 182.01 |
| DR448     | 444676.084 | 279474.265 | 181.95 |
| DR449     | 444676.857 | 279476.183 | 181.95 |
| DR450     | 444677.38  | 279479.729 | 181.9  |
| DR451     | 444677.144 | 279482.454 | 181.87 |
| DR452     | 444675.611 | 279485.565 | 181.83 |
| DR453     | 444672.554 | 279489.188 | 181.79 |
| DR454     | 444667.265 | 279493.528 | 181.86 |
| DR455     | 444654.286 | 279503.897 | 181.98 |
| DR456     | 444645.012 | 279510.415 | 181.94 |
| DR457     | 444634.157 | 279518.044 | 181.86 |
| DR458     | 444611.492 | 279536.088 | 181.96 |
| DR459     | 444678.546 | 279491.478 | 181.89 |
| DR460     | 444671.938 | 279497.124 | 181.95 |
| DR461     | 444658.302 | 279506.664 | 182    |
| DR462     | 444648.019 | 279513.582 | 181.91 |
| DR463     | 444636.761 | 279521.103 | 181.93 |
| DR464     | 444619.989 | 279533.941 | 181.9  |
| DR465     | 444681.371 | 279491.541 | 181.92 |
| DR466     | 444663.822 | 279434.994 | 183.02 |
| DR467     | 444660.538 | 279426.16  | 182.74 |
| DR468     | 444657.744 | 279420.809 | 182.61 |
| DR469     | 444653.857 | 279413.408 | 182.47 |
| DR470     | 444650.175 | 279408.761 | 182.34 |
| DR471     | 444642.324 | 279401.128 | 182.29 |
| DR472     | 444638.215 | 279397.876 | 182.23 |
| DR473     | 444627.552 | 279391.486 | 182.27 |
| DR474     | 444615.284 | 279385.823 | 182.23 |
| DR475     | 444592.343 | 279377.043 | 182.49 |
| DR476     | 444660.438 | 279435.961 | 183.01 |
| DR477     | 444657.062 | 279427.546 | 182.63 |
| DR478     | 444654.399 | 279422.26  | 182.61 |
| DR479     | 444651.295 | 279417.197 | 182.42 |
| DR480     | 444647.138 | 279411.509 | 182.28 |
| DR481     | 444639.43  | 279404.429 | 182.15 |
| DR482     | 444635.887 | 279401.245 | 182.15 |
| DR483     | 444625.33  | 279395.31  | 182.18 |
| DR484     | 444613.695 | 279389.591 | 182.16 |
| DR485     | 444587.469 | 279379.483 | 182.18 |
| DR486     | 443452.482 | 279845.966 | 188.18 |
| DR487     | 443450.534 | 279845.73  | 188.17 |
| DR488     | 443440.808 | 279847.505 | 188.11 |
| DR489     | 443426.276 | 279851.584 | 188.21 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14842    | 482731.394 | 217110.958 | 98.918 |
| P14843    | 482732.246 | 217110.908 | 98.94  |
| P14844    | 482733.439 | 217110.785 | 98.47  |
| P14845    | 482736.827 | 217110.783 | 97.995 |
| P14846    | 482745.907 | 217110.296 | 97.223 |
| P14847    | 482748.23  | 217109.979 | 96.464 |
| P14848    | 482751.294 | 217109.435 | 97.492 |
| P14849    | 482761.223 | 217107.847 | 97.921 |
| P14850    | 482764.692 | 217107.098 | 98.197 |
| P14851    | 482768.735 | 217106.927 | 98.226 |
| P14852    | 482786.932 | 217104.905 | 98.364 |
| P14853    | 482798.557 | 217102.883 | 98.51  |
| P14854    | 482810.183 | 217100.862 | 98.486 |
| P14855    | 482833.939 | 217096.818 | 98.583 |
| P14856    | 482618.615 | 217072.051 | 97.539 |
| P14857    | 482634.79  | 217072.556 | 97.748 |
| P14858    | 482649.24  | 217068.464 | 97.55  |
| P14859    | 482660.438 | 217067.203 | 97.59  |
| P14860    | 482671.039 | 217065.164 | 98.22  |
| P14861    | 482675.571 | 217064.149 | 98.19  |
| P14862    | 482680.222 | 217063.062 | 98.18  |
| P14863    | 482693.254 | 217060.165 | 98.43  |
| P14864    | 482701.568 | 217057.521 | 98.76  |
| P14865    | 482704.052 | 217057.001 | 98.764 |
| P14866    | 482707.73  | 217056.232 | 98.77  |
| P14867    | 482708.185 | 217056.196 | 98.92  |
| P14868    | 482708.817 | 217056.103 | 99.21  |
| P14869    | 482710.305 | 217056.011 | 99.22  |
| P14870    | 482710.853 | 217055.963 | 99.1   |
| P14871    | 482712.131 | 217055.85  | 98.82  |
| P14872    | 482712.965 | 217055.82  | 99.01  |
| P14873    | 482713.842 | 217055.646 | 99.28  |
| P14874    | 482714.673 | 217055.562 | 99.05  |
| P14875    | 482715.354 | 217055.581 | 99.28  |
| P14876    | 482715.928 | 217055.418 | 99.03  |
| P14877    | 482716.784 | 217055.349 | 98.84  |
| P14878    | 482717.602 | 217055.294 | 98.55  |
| P14879    | 482718.37  | 217055.169 | 98.719 |
| P14880    | 482718.829 | 217055.095 | 98.82  |
| P14881    | 482719.501 | 217055.088 | 98.61  |
| P14882    | 482720.346 | 217054.884 | 98.82  |
| P14883    | 482721.415 | 217054.648 | 98.71  |
| P14884    | 482722.96  | 217054.437 | 98.79  |
| P14885    | 482724.05  | 217054.12  | 98.95  |
| P14886    | 482724.832 | 217054.058 | 98.73  |
| P14887    | 482725.406 | 217053.885 | 98.93  |
| P14888    | 482726.159 | 217053.99  | 98.77  |
| P14889    | 482727.291 | 217053.889 | 98.33  |
| P14890    | 482731.559 | 217053.382 | 97.99  |
| P14891    | 482733.614 | 217052.819 | 97.3   |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| DR490     | 443414.899 | 279855.457 | 188.4  |
| DR491     | 443412.849 | 279858.449 | 188.37 |
| DR492     | 443412.294 | 279862.274 | 188.15 |
| DR493     | 443412.294 | 279867.885 | 187.84 |
| DR494     | 443413.4   | 279874.574 | 187.51 |
| DR495     | 443415.486 | 279882.593 | 187.01 |
| DR496     | 443418.488 | 279889.303 | 186.87 |
| DR497     | 443424.348 | 279897.028 | 186.82 |
| DR498     | 443429.524 | 279901.904 | 186.76 |
| DR499     | 443437.16  | 279907.785 | 186.71 |
| DR500     | 443438.701 | 279909.292 | 186.6  |
| DR501     | 443452.533 | 279844.275 | 188.1  |
| DR502     | 443450.49  | 279843.986 | 188.11 |
| DR503     | 443440.425 | 279846.137 | 188.15 |
| DR504     | 443425.931 | 279849.556 | 188.36 |
| DR505     | 443413.025 | 279853.034 | 188.49 |
| DR506     | 443410.061 | 279857.36  | 188.45 |
| DR507     | 443409.378 | 279862.064 | 188.24 |
| DR508     | 443409.854 | 279868.188 | 187.87 |
| DR509     | 443411.087 | 279874.738 | 187.72 |
| DR510     | 443413.712 | 279882.927 | 187.11 |
| DR511     | 443416.638 | 279890.598 | 186.98 |
| DR512     | 443422.172 | 279898.984 | 186.81 |
| DR513     | 443427.63  | 279904.125 | 186.83 |
| DR514     | 443435.639 | 279909.653 | 186.61 |
| DR515     | 443437.343 | 279911.3   | 186.57 |
| DR516     | 442366.53  | 280042.183 | 193.34 |
| DR517     | 442358.239 | 280040.811 | 193.31 |
| DR518     | 442352.9   | 280040.405 | 193.4  |
| DR519     | 442349.24  | 280041.409 | 193.56 |
| DR520     | 442338.827 | 280042.885 | 193.42 |
| DR521     | 442331.854 | 280044.852 | 193.59 |
| DR522     | 442328.836 | 280045.927 | 193.44 |
| DR523     | 442326.223 | 280047.204 | 193.56 |
| DR524     | 442321.151 | 280047.246 | 193.49 |
| DR525     | 442312.905 | 280048.452 | 193.53 |
| DR526     | 442296.348 | 280050.986 | 193.56 |
| DR527     | 442279.411 | 280054.386 | 193.65 |
| DR528     | 442272.357 | 280055.354 | 193.72 |
| DR529     | 442260.368 | 280057.791 | 193.66 |
| DR530     | 442246.684 | 280060.801 | 193.67 |
| DR531     | 442245.67  | 280061.528 | 193.71 |
| DR532     | 442237.591 | 280065.273 | 193.72 |
| DR533     | 442214.62  | 280075.172 | 193.73 |
| DR534     | 442201.937 | 280080.512 | 193.77 |
| DR535     | 442188.513 | 280084.901 | 193.79 |
| DR536     | 442178.999 | 280087.978 | 193.85 |
| DR537     | 442154.575 | 280094.074 | 193.93 |
| DR538     | 442111.812 | 280103.311 | 193.9  |
| DR539     | 442084.962 | 280109.064 | 194.02 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14892    | 482737.793 | 217052.233 | 97.15  |
| P14893    | 482739.124 | 217052.094 | 96.42  |
| P14894    | 482740.397 | 217051.654 | 96.61  |
| P14895    | 482741.824 | 217051.609 | 97.56  |
| P14896    | 482748.228 | 217050.739 | 97.85  |
| P14897    | 482751.357 | 217050.112 | 98.09  |
| P14898    | 482758.591 | 217048.236 | 98.18  |
| P14899    | 482771.071 | 217045.647 | 98.19  |
| P14900    | 482783.377 | 217043.864 | 98.13  |
| P14901    | 482794.514 | 217041.723 | 98.222 |
| P14902    | 482807.655 | 217041.218 | 98.505 |
| P14903    | 482832.928 | 217038.691 | 98.92  |
| P14904    | 482631.757 | 216990.672 | 97.4   |
| P14905    | 482649.953 | 216991.178 | 97.529 |
| P14906    | 482660.743 | 216990.924 | 98.078 |
| P14907    | 482664.629 | 216990.598 | 98.064 |
| P14908    | 482675.418 | 216988.67  | 97.835 |
| P14909    | 482678.624 | 216988.57  | 97.883 |
| P14910    | 482698.09  | 216987.456 | 98.612 |
| P14911    | 482700.792 | 216987.133 | 98.57  |
| P14912    | 482701.146 | 216987.177 | 98.81  |
| P14913    | 482701.75  | 216987.054 | 99.01  |
| P14914    | 482702.498 | 216986.946 | 98.78  |
| P14915    | 482703.21  | 216986.893 | 99     |
| P14916    | 482703.565 | 216986.885 | 98.82  |
| P14917    | 482703.927 | 216986.801 | 98.64  |
| P14918    | 482704.683 | 216986.681 | 98.65  |
| P14919    | 482705.457 | 216986.558 | 98.66  |
| P14920    | 482706.068 | 216986.545 | 98.94  |
| P14921    | 482706.726 | 216986.53  | 99.17  |
| P14922    | 482707.595 | 216986.512 | 98.95  |
| P14923    | 482708.216 | 216986.409 | 99.15  |
| P14924    | 482708.918 | 216986.492 | 98.96  |
| P14925    | 482710.512 | 216986.521 | 98.5   |
| P14926    | 482711.489 | 216986.251 | 98.51  |
| P14927    | 482711.834 | 216986.291 | 98.69  |
| P14928    | 482712.654 | 216986.084 | 98.47  |
| P14929    | 482713.332 | 216986.048 | 98.68  |
| P14930    | 482713.964 | 216986.037 | 98.52  |
| P14931    | 482714.734 | 216986.07  | 98.72  |
| P14932    | 482716.707 | 216985.943 | 98.71  |
| P14933    | 482717.103 | 216985.94  | 98.68  |
| P14934    | 482717.748 | 216985.936 | 98.63  |
| P14935    | 482718.48  | 216985.897 | 98.618 |
| P14936    | 482718.944 | 216985.873 | 98.61  |
| P14937    | 482719.828 | 216985.699 | 98.33  |
| P14938    | 482721.397 | 216985.671 | 98.164 |
| P14939    | 482726.09  | 216985.537 | 97.617 |
| P14940    | 482728.27  | 216985.502 | 96.747 |
| P14941    | 482731.383 | 216985.257 | 97.718 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| DR567     | 442312.327 | 280044.672 | 193.97 |
| DR568     | 442290.517 | 280048.529 | 193.6  |
| DR569     | 442278.774 | 280050.613 | 193.63 |
| DR570     | 442271.715 | 280051.581 | 193.7  |
| DR571     | 442259.576 | 280054.049 | 193.73 |
| DR572     | 442245.096 | 280057.234 | 193.78 |
| DR573     | 442243.735 | 280058.209 | 193.69 |
| DR574     | 442236.03  | 280061.781 | 193.7  |
| DR575     | 442213.121 | 280071.653 | 193.7  |
| DR576     | 442200.598 | 280076.926 | 193.75 |
| DR577     | 442187.33  | 280081.264 | 193.77 |
| DR578     | 442177.946 | 280084.299 | 193.8  |
| DR579     | 442153.708 | 280090.348 | 193.85 |
| DR580     | 442111.008 | 280099.571 | 193.92 |
| DR581     | 442084.178 | 280105.32  | 194.04 |
| DR609     | 442428.483 | 280030.738 | 193.49 |
| DR610     | 442428.505 | 280033.84  | 193.24 |
| DR611     | 442428.281 | 280036.148 | 193.09 |
| DR612     | 442427.939 | 280037.89  | 193.01 |
| DR613     | 442428.067 | 280039.012 | 192.97 |
| DR614     | 442428.753 | 280039.649 | 192.9  |
| DR615     | 442431.926 | 280040.087 | 192.84 |
| DR616     | 442435.04  | 280039.384 | 193.18 |
| DR617     | 442441.185 | 280038.076 | 192.86 |
| DR618     | 442446.62  | 280037.632 | 192.88 |
| DR619     | 442454.01  | 280036.048 | 192.88 |
| DR620     | 442461.947 | 280033.974 | 192.87 |
| DR621     | 442491.075 | 280027.866 | 192.45 |
| DR622     | 442523.615 | 280021.607 | 192.23 |
| DR623     | 442551.876 | 280015.762 | 192.07 |
| DR624     | 442580.909 | 280009.39  | 191.7  |
| DR625     | 442590.769 | 280007.241 | 191.74 |
| DR626     | 442602.835 | 280002.377 | 191.83 |
| DR627     | 442617.581 | 279998.468 | 191.82 |
| DR628     | 442629.644 | 279995.326 | 191.92 |
| DR629     | 442645.462 | 279990.499 | 191.76 |
| DR630     | 442666.671 | 279984.806 | 191.61 |
| DR631     | 442703.321 | 279974.55  | 191.95 |
| DR632     | 442719.468 | 279968.846 | 192.05 |
| DR633     | 442729.037 | 279968.14  | 191.97 |
| DR634     | 442742.612 | 279967.542 | 191.82 |
| DR635     | 442750.356 | 279968.058 | 191.96 |
| DR636     | 442756.716 | 279968.787 | 191.81 |
| DR637     | 442777.806 | 279967.669 | 191.72 |
| DR638     | 442779.035 | 279967.23  | 191.71 |
| DR639     | 442783.856 | 279965.345 | 191.83 |
| DR640     | 442787.019 | 279962.592 | 191.99 |
| DR641     | 442789.361 | 279958.001 | 192.28 |
| DR642     | 442789.906 | 279954.909 | 192.76 |
| DR643     | 442425.541 | 280031.187 | 193.39 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14942    | 482735.945 | 216986.441 | 98.155 |
| P14943    | 482739.331 | 216985.336 | 98.09  |
| P14944    | 482745.99  | 216980.058 | 98.211 |
| P14945    | 482759.637 | 216979.552 | 98.227 |
| P14946    | 482773.284 | 216977.53  | 98.32  |
| P14947    | 482794.008 | 216978.036 | 98.26  |
| P14948    | 482622.153 | 216936.083 | 97.5   |
| P14949    | 482638.328 | 216933.556 | 97.587 |
| P14950    | 482651.873 | 216934.341 | 97.991 |
| P14951    | 482655.421 | 216935.315 | 97.977 |
| P14952    | 482661.298 | 216936.083 | 97.847 |
| P14953    | 482667.214 | 216935.725 | 97.792 |
| P14954    | 482670.151 | 216935.195 | 97.847 |
| P14955    | 482678.147 | 216935.185 | 98.023 |
| P14956    | 482687.045 | 216935.077 | 98.4   |
| P14957    | 482689.23  | 216935.372 | 98.37  |
| P14958    | 482693.328 | 216934.964 | 98.5   |
| P14959    | 482695.544 | 216934.875 | 98.54  |
| P14960    | 482696.081 | 216934.841 | 98.75  |
| P14961    | 482696.561 | 216934.829 | 98.95  |
| P14962    | 482697.128 | 216934.763 | 98.74  |
| P14963    | 482697.972 | 216934.685 | 98.97  |
| P14964    | 482698.44  | 216934.649 | 98.76  |
| P14965    | 482699.095 | 216934.613 | 98.48  |
| P14966    | 482699.998 | 216934.432 | 98.46  |
| P14967    | 482700.724 | 216934.295 | 98.93  |
| P14968    | 482701.502 | 216934.243 | 99.08  |
| P14969    | 482702.222 | 216934.145 | 98.84  |
| P14970    | 482702.86  | 216934.048 | 99.07  |
| P14971    | 482703.759 | 216933.906 | 98.94  |
| P14972    | 482704.347 | 216933.868 | 98.59  |
| P14973    | 482705.959 | 216933.746 | 98.65  |
| P14974    | 482706.588 | 216933.717 | 98.659 |
| P14975    | 482707.303 | 216933.684 | 98.67  |
| P14976    | 482708.037 | 216933.662 | 98.651 |
| P14977    | 482708.474 | 216933.65  | 98.639 |
| P14978    | 482709.209 | 216933.628 | 98.62  |
| P14979    | 482710.056 | 216933.457 | 98.606 |
| P14980    | 482710.424 | 216933.382 | 98.6   |
| P14981    | 482711.614 | 216933.253 | 98.16  |
| P14982    | 482713.447 | 216932.704 | 98.3   |
| P14983    | 482716.054 | 216932.158 | 98.39  |
| P14984    | 482719.503 | 216931.748 | 97.99  |
| P14985    | 482720.697 | 216930.961 | 96.99  |
| P14986    | 482721.969 | 216930.171 | 96.86  |
| P14987    | 482723.154 | 216929.958 | 97.85  |
| P14988    | 482725.164 | 216930.651 | 98.036 |
| P14989    | 482726.295 | 216931.041 | 98.14  |
| P14990    | 482729.892 | 216930.876 | 98.122 |
| P14991    | 482733.114 | 216930.728 | 98.105 |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| DR644     | 442425.456 | 280035.803 | 193.04 |
| DR645     | 442424.735 | 280038.81  | 192.98 |
| DR646     | 442423.529 | 280040.402 | 192.94 |
| DR647     | 442422.13  | 280040.968 | 192.97 |
| DR648     | 442421.258 | 280041.221 | 192.98 |
| DR649     | 442413.364 | 280041.882 | 193.05 |
| DR650     | 442405.149 | 280041.882 | 193.22 |
| DR651     | 442395.783 | 280041.434 | 193.36 |
| DR652     | 442384.03  | 280040.878 | 193.37 |
| DR653     | 442372.006 | 280040.547 | 193.35 |
| DR654     | 442367.332 | 280039.263 | 193.31 |
| DR655     | 442423.865 | 280043.532 | 192.98 |
| DR656     | 442422.092 | 280043.325 | 192.99 |
| DR657     | 442419.151 | 280043.439 | 193.02 |
| DR658     | 442411.779 | 280043.816 | 193.06 |
| DR659     | 442404.163 | 280043.891 | 193.29 |
| DR660     | 442394.717 | 280043.363 | 193.31 |
| DR661     | 442383.651 | 280043.589 | 193.3  |
| DR662     | 442371.556 | 280043.564 | 193.83 |
| DR663     | 442426.046 | 280043.262 | 193.02 |
| DR664     | 442428.166 | 280042.845 | 192.96 |
| DR665     | 442431.675 | 280042.845 | 192.93 |
| DR666     | 442435.605 | 280041.957 | 192.93 |
| DR667     | 442441.73  | 280040.653 | 192.79 |
| DR668     | 442447.364 | 280039.466 | 192.86 |
| DR669     | 442454.23  | 280037.926 | 192.88 |
| DR670     | 442462.045 | 280036.194 | 192.76 |
| DR671     | 442491.419 | 280029.753 | 192.44 |
| DR672     | 442519.946 | 280024.064 | 192.23 |
| DR673     | 442552.363 | 280018.033 | 192.35 |
| DR674     | 442581.098 | 280011.652 | 191.82 |
| DR675     | 442591.187 | 280009.228 | 191.86 |
| DR676     | 442603.206 | 280004.672 | 191.72 |
| DR677     | 442618.26  | 280001.014 | 191.69 |
| DR678     | 442629.87  | 279997.4   | 191.68 |
| DR679     | 442645.462 | 279992.439 | 191.62 |
| DR680     | 442667.177 | 279986.792 | 191.8  |
| DR681     | 442703.888 | 279976.612 | 191.78 |
| DR682     | 442720.015 | 279971.437 | 191.81 |
| DR683     | 442729.263 | 279970.063 | 191.87 |
| DR684     | 442742.573 | 279970.178 | 191.98 |
| DR685     | 442749.301 | 279970.195 | 191.75 |
| DR686     | 442757.068 | 279970.798 | 191.83 |
| DR687     | 442778.485 | 279970.107 | 191.97 |
| DR688     | 442779.715 | 279969.793 | 191.99 |
| DR689     | 442785.241 | 279967.632 | 191.97 |
| DR690     | 442789.021 | 279964.341 | 191.98 |
| DR691     | 442792.31  | 279959.34  | 192.37 |
| DR692     | 442792.997 | 279957.208 | 192.54 |
| DR693     | 442792.941 | 279954.765 | 192.83 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P14992    | 482736.062 | 216930.592 | 98.09  |
| P14993    | 482744.857 | 216928.824 | 98.02  |
| P14994    | 482753.579 | 216927.918 | 97.93  |
| P14995    | 482762.737 | 216926.212 | 97.67  |
| P14996    | 482599.59  | 216844.933 | 97.125 |
| P14997    | 482615.091 | 216848.302 | 97.437 |
| P14998    | 482628.57  | 216849.313 | 97.739 |
| P14999    | 482640.398 | 216847.957 | 97.86  |
| P15000    | 482644.874 | 216848.45  | 97.84  |
| P15001    | 482646.492 | 216848.455 | 97.832 |
| P15002    | 482654.765 | 216848.48  | 97.79  |
| P15003    | 482670.922 | 216844.681 | 98.17  |
| P15004    | 482677.217 | 216844.926 | 98.45  |
| P15005    | 482685.48  | 216843.97  | 98.56  |
| P15006    | 482689.411 | 216844.276 | 98.22  |
| P15007    | 482690.203 | 216844     | 98.88  |
| P15008    | 482690.927 | 216844.012 | 98.95  |
| P15009    | 482691.755 | 216844.118 | 98.82  |
| P15010    | 482691.946 | 216843.699 | 98.94  |
| P15011    | 482692.4   | 216843.782 | 98.95  |
| P15012    | 482692.759 | 216843.713 | 98.74  |
| P15013    | 482693.436 | 216843.566 | 98.94  |
| P15014    | 482693.873 | 216843.444 | 98.72  |
| P15015    | 482695.071 | 216843.315 | 98.16  |
| P15016    | 482695.927 | 216843.185 | 98.13  |
| P15017    | 482696.46  | 216843.099 | 98.54  |
| P15018    | 482697.351 | 216843.043 | 98.513 |
| P15019    | 482698.091 | 216842.996 | 98.49  |
| P15020    | 482698.93  | 216843.076 | 98.376 |
| P15021    | 482703.531 | 216843.515 | 97.75  |
| P15022    | 482705.844 | 216842.742 | 96.81  |
| P15023    | 482707.584 | 216842.375 | 96.21  |
| P15024    | 482709.299 | 216841.657 | 96.37  |
| P15025    | 482710.304 | 216841.137 | 96.63  |
| P15026    | 482713.933 | 216839.43  | 96.87  |
| P15027    | 482714.823 | 216839.283 | 96.864 |
| P15028    | 482718.335 | 216838.704 | 96.84  |
| P15029    | 482722.584 | 216837.182 | 95.842 |
| P15030    | 482726.291 | 216835.497 | 95.482 |
| P15031    | 482737.411 | 216833.813 | 95.133 |
| P15032    | 482752.575 | 216833.476 | 95.074 |
| P15033    | 482765.717 | 216834.15  | 95.081 |
| P15034    | 482624.863 | 216717.895 | 96.87  |
| P15035    | 482631.602 | 216717.895 | 96.561 |
| P15036    | 482648.451 | 216717.558 | 98.708 |
| P15037    | 482658.223 | 216714.862 | 94.962 |
| P15038    | 482665.65  | 216718.397 | 94.68  |
| P15039    | 482668.489 | 216720.136 | 93.96  |
| P15040    | 482674.863 | 216720.558 | 94.34  |
| P15041    | 482676.791 | 216723.83  | 97.05  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| DR694     | 442793.137 | 279951.521 | 192.77 |
| DR695     | 442793.174 | 279947.77  | 192.4  |
| DR696     | 442792.79  | 279943.624 | 192.16 |
| DR697     | 442792.79  | 279932.323 | 191.78 |
| DR698     | 442792.246 | 279928.736 | 191.59 |
| DR699     | 442789.799 | 279951.696 | 192.76 |
| DR700     | 442789.836 | 279947.908 | 192.28 |
| DR701     | 442788.847 | 279943.778 | 192.14 |
| DR702     | 442787.948 | 279933.971 | 191.9  |
| DR703     | 442787.113 | 279929.713 | 191.67 |
| DR704     | 442363.655 | 280020.582 | 193.61 |
| DR705     | 442360.643 | 280020.582 | 193.6  |
| DR706     | 442356.793 | 280019.982 | 193.6  |
| DR707     | 442352.11  | 280017.544 | 193.67 |
| DR708     | 442346.526 | 280017.544 | 193.72 |
| DR709     | 442337.91  | 280019.444 | 193.67 |
| DR710     | 442329.482 | 280022.736 | 193.59 |
| DR711     | 442325.488 | 280024.168 | 193.71 |
| DR712     | 442323.929 | 280027.31  | 193.56 |
| DR713     | 442320.437 | 280029.882 | 193.46 |
| DR714     | 442320.437 | 280036.764 | 193.42 |
| DR715     | 442318.636 | 280041.065 | 193.4  |
| DR716     | 442316.222 | 280043.62  | 193.49 |
| DR717     | 442335.19  | 280038.16  | 193.45 |
| DR718     | 442348.304 | 280036.322 | 193.44 |
| DR719     | 442348.855 | 280032.961 | 193.5  |
| DR720     | 442347.001 | 280024.699 | 193.64 |
| DR721     | 442345.566 | 280023.173 | 193.66 |
| DR722     | 442342.63  | 280022.613 | 193.61 |
| DR723     | 442338.743 | 280023.254 | 193.58 |
| DR724     | 442335.817 | 280025.583 | 193.63 |
| DR725     | 442333.767 | 280028.105 | 193.52 |
| DR726     | 442333.404 | 280032.294 | 193.59 |
| DR727     | 442334.301 | 280035.158 | 193.5  |
| TJ22      | 444685.841 | 279436.65  | 182.07 |
| TJ23      | 444718.73  | 279422.369 | 181.98 |
| TJ24      | 444751.097 | 279408.315 | 181.9  |
| TJ25      | 444800.327 | 279386.992 | 181.8  |
| TJ26      | 444848.174 | 279366.485 | 181.79 |
| TJ27      | 444874.681 | 279355.06  | 181.76 |
| TJ28      | 444912.452 | 279338.554 | 181.64 |
| TJ29      | 444926.881 | 279332.248 | 181.59 |
| TJ30      | 444955.702 | 279319.674 | 181.55 |
| TJ31      | 444993.7   | 279303.133 | 181.49 |
| TJ32      | 445029.822 | 279287.347 | 181.43 |
| TJ33      | 445061.182 | 279273.744 | 181.3  |
| TJ34      | 445095.309 | 279258.942 | 181.16 |
| TJ35      | 445101.049 | 279256.452 | 181.14 |
| TJ36      | 443642.286 | 279789.197 | 187.94 |
| TJ37      | 443678.147 | 279782.816 | 188.22 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P15042    | 482676.858 | 216723.827 | 96.58  |
| P15043    | 482678.277 | 216724.002 | 98.07  |
| P15044    | 482679.088 | 216724.039 | 98.43  |
| P15045    | 482679.762 | 216724.018 | 98.74  |
| P15046    | 482680.534 | 216723.941 | 98.49  |
| P15047    | 482681.274 | 216723.935 | 98.73  |
| P15048    | 482681.922 | 216723.818 | 98.48  |
| P15049    | 482682.822 | 216723.76  | 98.09  |
| P15050    | 482683.82  | 216723.262 | 97.06  |
| P15051    | 482684.127 | 216723.187 | 96.6   |
| P15052    | 482692.107 | 216722.443 | 97.17  |
| P15053    | 482694.795 | 216722.969 | 96.904 |
| P15054    | 482695.6   | 216723.126 | 96.825 |
| P15055    | 482697.112 | 216723.422 | 96.675 |
| P15056    | 482698.096 | 216723.614 | 96.578 |
| P15057    | 482701.208 | 216724.223 | 96.27  |
| P15058    | 482703.117 | 216724.483 | 95.23  |
| P15059    | 482704.912 | 216724.317 | 94.654 |
| P15060    | 482706.397 | 216723.775 | 94.543 |
| P15061    | 482710.198 | 216725.13  | 94.704 |
| P15062    | 482712.092 | 216723.537 | 94.65  |
| P15063    | 482716.186 | 216722.538 | 94.635 |
| P15064    | 482720.878 | 216721.939 | 94.604 |
| P15065    | 482729.066 | 216722.139 | 94.644 |
| P15066    | 482568.576 | 216214.932 | 95.89  |
| P15067    | 482579.258 | 216214.178 | 95.99  |
| P15068    | 482587.142 | 216213.617 | 95.86  |
| P15069    | 482598.004 | 216212.778 | 95.93  |
| P15070    | 482609.888 | 216211.958 | 96.04  |
| P15071    | 482615.846 | 216210.814 | 96.31  |
| P15072    | 482620.617 | 216211.059 | 96.22  |
| P15073    | 482623.534 | 216210.44  | 97.13  |
| P15074    | 482624.725 | 216210.681 | 97.23  |
| P15075    | 482626.279 | 216210.431 | 97.94  |
| P15076    | 482626.975 | 216209.98  | 98.15  |
| P15077    | 482627.535 | 216209.832 | 97.96  |
| P15078    | 482628.361 | 216209.638 | 98.18  |
| P15079    | 482628.979 | 216209.361 | 97.96  |
| P15080    | 482630.397 | 216209.135 | 97.37  |
| P15081    | 482632.88  | 216208.915 | 97.11  |
| P15082    | 482634.957 | 216208.719 | 95.92  |
| P15083    | 482636.875 | 216208.582 | 94.84  |
| P15084    | 482637.482 | 216208.501 | 94.92  |
| P15085    | 482640.037 | 216208.405 | 96.48  |
| P15086    | 482643.324 | 216208.002 | 96.59  |
| P15087    | 482650.061 | 216206.779 | 96.636 |
| P15088    | 482660.17  | 216206.329 | 96.604 |
| P15089    | 482667.584 | 216205.655 | 96.651 |
| P15090    | 482672.077 | 216205.655 | 96.629 |
| P15091    | 482809.159 | 218517.815 | 98.897 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| TJ38      | 443716.926 | 279775.147 | 188.04  |
| TJ39      | 443759.788 | 279764.999 | 188.49  |
| TJ40      | 443484.609 | 279831.452 | 187.436 |
| TJ41      | 443508.505 | 279826.546 | 187.252 |
| TJ42      | 443523.872 | 279823.411 | 187.143 |
| TJ43      | 443565.412 | 279814.788 | 186.744 |
| TJ44      | 443605.586 | 279806.111 | 186.36  |
| TJ45      | 443448.987 | 279835.723 | 189.15  |
| TJ46      | 443484.609 | 279831.014 | 187.361 |
| TJ47      | 443508.438 | 279826.007 | 187.196 |
| TJ48      | 443523.79  | 279822.797 | 187.088 |
| TJ49      | 443565.33  | 279814.261 | 186.818 |
| TJ50      | 443605.414 | 279805.316 | 187.49  |
| TJ51      | 445111.443 | 279260.245 | 180.715 |
| TJ52      | 445098.74  | 279266.075 | 180.664 |
| TJ53      | 445066.077 | 279283.76  | 180.406 |
| TJ54      | 445033.39  | 279296.661 | 180.533 |
| TJ55      | 444998.356 | 279313.05  | 180.436 |
| TJ56      | 444960.845 | 279330.79  | 180.32  |
| TJ57      | 444930.323 | 279339.06  | 181.082 |
| TJ58      | 444916.05  | 279347.77  | 180.9   |
| TJ59      | 444881.152 | 279368.365 | 180.959 |
| TJ60      | 444853.462 | 279377.359 | 181.197 |
| TJ61      | 444804.427 | 279395.218 | 181.527 |
| TJ62      | 444755.016 | 279416.33  | 181.78  |
| TJ63      | 444723.783 | 279431.878 | 181.553 |
| TJ64      | 444690.803 | 279446.278 | 181.803 |
| TJ65      | 444675.074 | 279452.33  | 181.956 |
| TJ66      | 445097.523 | 279248.508 | 180.577 |
| TJ67      | 445092.259 | 279250.718 | 180.59  |
| TJ68      | 445057.048 | 279265.393 | 180.66  |
| TJ69      | 445025.374 | 279277.807 | 180.57  |
| TJ70      | 444990.33  | 279296.274 | 180.953 |
| TJ71      | 444951.991 | 279310.454 | 181.014 |
| TJ72      | 444922.631 | 279324.529 | 181.144 |
| TJ73      | 444907.337 | 279328.274 | 180.82  |
| TJ74      | 444870.37  | 279345.116 | 180.741 |
| TJ75      | 444843.141 | 279357.756 | 181.004 |
| TJ76      | 444796.915 | 279379.702 | 181.637 |
| TJ77      | 444747.57  | 279400.759 | 181.888 |
| TJ78      | 444714.525 | 279414.262 | 181.987 |
| TJ79      | 444682.134 | 279427.938 | 182.132 |
| TJ80      | 444666.621 | 279434.285 | 182.138 |
| TJ81      | 444663.254 | 279456.805 | 182.072 |
| TJ82      | 444636.552 | 279466.746 | 182.331 |
| TJ83      | 444601.09  | 279482.03  | 181.9   |
| TJ84      | 444560.937 | 279499.791 | 182.04  |
| TJ85      | 444511.422 | 279521.744 | 182.28  |
| TJ86      | 444477.875 | 279536.58  | 182.46  |
| TJ87      | 444449.955 | 279548.834 | 182.66  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P15092    | 482824.401 | 218516.832 | 99.101  |
| P15093    | 482837.677 | 218515.603 | 99.145  |
| P15094    | 482847.019 | 218514.373 | 98.961  |
| P15095    | 482857.251 | 218514.365 | 99.829  |
| P15096    | 482859.81  | 218514.355 | 100.533 |
| P15097    | 482861.479 | 218514.42  | 100.58  |
| P15098    | 482863.161 | 218514.401 | 101.074 |
| P15099    | 482863.71  | 218514.436 | 101.278 |
| P15100    | 482865.179 | 218514.241 | 101.28  |
| P15101    | 482865.716 | 218514.152 | 101.084 |
| P15102    | 482867.248 | 218514.136 | 100.615 |
| P15103    | 482869.642 | 218514.005 | 100.443 |
| P15104    | 482872.507 | 218514.191 | 99.717  |
| P15105    | 482875.259 | 218514.62  | 98.99   |
| P15106    | 482876.639 | 218515.087 | 98.024  |
| P15107    | 482877.625 | 218514.997 | 97.905  |
| P15108    | 482881.974 | 218515.002 | 99.051  |
| P15109    | 482884.475 | 218514.471 | 99.401  |
| P15110    | 482887.141 | 218514.081 | 99.602  |
| P15111    | 482894.958 | 218511.669 | 99.685  |
| P15112    | 482902.58  | 218511.177 | 99.734  |
| P15113    | 482913.643 | 218510.686 | 99.756  |
| P15114    | 482928.147 | 218510.686 | 99.861  |
| P15115    | 481494.523 | 209947.369 | 90.506  |
| P15116    | 481506.841 | 209947.551 | 90.14   |
| P15117    | 481513.654 | 209944.107 | 90.23   |
| P15118    | 481525.604 | 209943.456 | 89.84   |
| P15119    | 481529.939 | 209942.591 | 89.91   |
| P15120    | 481531.524 | 209942.458 | 89.91   |
| P15121    | 481532.681 | 209942.978 | 90.2    |
| P15122    | 481533.54  | 209942.914 | 90.24   |
| P15123    | 481534.926 | 209942.128 | 90.53   |
| P15124    | 481537.973 | 209940.96  | 91.01   |
| P15125    | 481538.613 | 209940.869 | 91.13   |
| P15126    | 481539.229 | 209940.776 | 91.43   |
| P15127    | 481540.617 | 209940.69  | 91.42   |
| P15128    | 481541.455 | 209940.69  | 91.12   |
| P15129    | 481542.229 | 209940.632 | 91.03   |
| P15130    | 481543.116 | 209940.615 | 91.06   |
| P15131    | 481543.729 | 209940.665 | 91.23   |
| P15132    | 481545.213 | 209940.788 | 91.21   |
| P15133    | 481545.761 | 209940.92  | 90.99   |
| P15134    | 481546.307 | 209940.823 | 90.89   |
| P15135    | 481549.205 | 209940.478 | 90.08   |
| P15136    | 481556.541 | 209940.915 | 89.53   |
| P15137    | 481564.472 | 209939.707 | 89.36   |
| P15138    | 481571.918 | 209938.807 | 89.52   |
| P15139    | 481587.834 | 209936.838 | 89.211  |
| P15140    | 481590.439 | 209947.246 | 89.684  |
| P15141    | 481573.312 | 209949.372 | 89.593  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| TJ88      | 444410.136 | 279567.532 | 182.4   |
| TJ89      | 444373.818 | 279584.583 | 182.41  |
| TJ90      | 444335.853 | 279598.832 | 182.97  |
| TJ91      | 444294.88  | 279617.38  | 183.06  |
| TJ92      | 444253.992 | 279635.172 | 183.38  |
| TJ93      | 444216.333 | 279651.558 | 183.67  |
| TJ94      | 444178.418 | 279667.705 | 183.97  |
| TJ95      | 444153.657 | 279680.866 | 183.14  |
| TJ96      | 444107.832 | 279698.069 | 183.96  |
| TJ97      | 444088.704 | 279705.849 | 183.92  |
| TJ98      | 444077.605 | 279710.364 | 183.89  |
| TJ99      | 444055.085 | 279720.267 | 183.76  |
| TJ100     | 444030.215 | 279722.106 | 184.7   |
| TJ101     | 444012.729 | 279727.29  | 184.76  |
| TJ102     | 443980.239 | 279736.922 | 184.87  |
| TJ103     | 443961.738 | 279741.889 | 184.96  |
| TJ104     | 443940.736 | 279746.575 | 185.09  |
| TJ105     | 443916.664 | 279751.947 | 185.24  |
| TJ106     | 443878.93  | 279758.325 | 185.473 |
| TJ107     | 443840.832 | 279766.034 | 185.59  |
| TJ108     | 443802.413 | 279774.526 | 185.71  |
| TJ109     | 443762.874 | 279783.265 | 185.84  |
| TJ110     | 443720.916 | 279792.208 | 186.04  |
| TJ111     | 443681.595 | 279799.932 | 186.34  |
| TJ112     | 443646.477 | 279806.831 | 186.62  |
| TJ113     | 442852.11  | 279942.298 | 191.993 |
| TJ114     | 442812.757 | 279945.828 | 192.419 |
| TJ115     | 442781.242 | 279973.192 | 190.953 |
| TJ116     | 442717.262 | 279985.991 | 191.1   |
| TJ117     | 442667.179 | 279995.523 | 190.918 |
| TJ118     | 442662.123 | 279996.482 | 190.9   |
| TJ119     | 442632.221 | 280002.511 | 191.028 |
| TJ120     | 442615.319 | 280005.992 | 191.111 |
| TJ121     | 442617.077 | 280013.739 | 191.419 |
| TJ122     | 442633.689 | 280010.737 | 191.425 |
| TJ123     | 442668.938 | 280004.975 | 191.272 |
| TJ124     | 442718.688 | 279995.222 | 191.202 |
| TJ125     | 442782.769 | 279980.558 | 191.005 |
| TJ126     | 442356.523 | 280056.771 | 192.716 |
| TJ127     | 442322.383 | 280062.809 | 192.758 |
| TJ161     | 442082.779 | 280124.106 | 193.587 |
| TJ162     | 442120.886 | 280116.633 | 193.276 |
| TJ163     | 442162.819 | 280107.867 | 192.974 |
| TJ164     | 442168.451 | 280108.29  | 192.78  |
| TJ165     | 442200.202 | 280100.312 | 192.802 |
| TJ166     | 442239.47  | 280092.621 | 192.611 |
| TJ167     | 442259.767 | 280088.208 | 192.57  |
| TJ168     | 442280.295 | 280084.214 | 192.54  |
| TJ169     | 444633.862 | 279459.254 | 181.99  |
| TJ170     | 444597.563 | 279473.593 | 182.81  |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P15142    | 481566.622 | 209949.671 | 89.551 |
| P15143    | 481558.421 | 209949.719 | 89.327 |
| P15144    | 481553.366 | 209951.344 | 89.477 |
| P15145    | 481547.559 | 209954.027 | 90.65  |
| P15146    | 481546.626 | 209953.945 | 90.846 |
| P15147    | 481546.183 | 209953.929 | 91.003 |
| P15148    | 481545.491 | 209953.806 | 91.226 |
| P15149    | 481544.006 | 209953.87  | 91.248 |
| P15150    | 481543.331 | 209954.087 | 91.069 |
| P15151    | 481542.425 | 209954.124 | 90.971 |
| P15152    | 481541.672 | 209954.12  | 91.15  |
| P15153    | 481540.953 | 209954.113 | 91.442 |
| P15154    | 481539.497 | 209954.155 | 91.465 |
| P15155    | 481538.872 | 209954.212 | 91.246 |
| P15156    | 481538.283 | 209954.267 | 91.04  |
| P15157    | 481534.923 | 209955.131 | 90.37  |
| P15158    | 481526.036 | 209957.653 | 90.229 |
| P15159    | 481509.089 | 209961.644 | 90.06  |
| P15160    | 481498.948 | 209964.828 | 90     |
| P15161    | 482512.095 | 215801.745 | 95.28  |
| P15162    | 482526.104 | 215798.996 | 95.3   |
| P15163    | 482539.602 | 215794.463 | 95.31  |
| P15164    | 482550.741 | 215792.351 | 95.4   |
| P15165    | 482561.962 | 215790.218 | 95.43  |
| P15166    | 482572.233 | 215788.521 | 95.77  |
| P15167    | 482577.927 | 215787.639 | 95.99  |
| P15168    | 482579.886 | 215787.567 | 96.52  |
| P15169    | 482581.909 | 215787.556 | 97.38  |
| P15170    | 482582.53  | 215787.434 | 97.62  |
| P15171    | 482583.128 | 215787.365 | 97.44  |
| P15172    | 482584.026 | 215787.343 | 97.68  |
| P15173    | 482584.568 | 215787.187 | 97.46  |
| P15174    | 482586.082 | 215787.171 | 96.87  |
| P15175    | 482587.737 | 215787.038 | 96.57  |
| P15176    | 482591.171 | 215785.583 | 95.17  |
| P15177    | 482593.432 | 215785.287 | 95.23  |
| P15178    | 482598.366 | 215783.072 | 95.33  |
| P15179    | 482604.372 | 215780.663 | 95.45  |
| P15180    | 482611.777 | 215778.459 | 95.85  |
| P15181    | 482613.399 | 215777.952 | 95.1   |
| P15182    | 482614.93  | 215778.034 | 94.89  |
| P15183    | 482616.662 | 215777.598 | 95.82  |
| P15184    | 482621.42  | 215779.136 | 95.95  |
| P15185    | 482633.093 | 215777.579 | 95.99  |
| P15186    | 482645.094 | 215775.536 | 95.97  |
| P15187    | 482655.801 | 215773.581 | 96.01  |
| P15188    | 482515.342 | 215728.113 | 95.57  |
| P15189    | 482532.556 | 215725.567 | 95.7   |
| P15190    | 482546.563 | 215722.003 | 95.78  |
| P15191    | 482559.655 | 215720.025 | 96.18  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| TJ171     | 444557.499 | 279492.27  | 182.08  |
| TJ172     | 444508.083 | 279513.834 | 182.22  |
| TJ173     | 444474.051 | 279528.576 | 182.45  |
| TJ174     | 444445.771 | 279540.267 | 183.25  |
| TJ175     | 444406.486 | 279558.203 | 182.76  |
| TJ176     | 444369.705 | 279574.158 | 182.84  |
| TJ177     | 444332.301 | 279590.667 | 182.91  |
| TJ178     | 444290.515 | 279607.804 | 184.21  |
| TJ179     | 444249.303 | 279626.112 | 183.96  |
| TJ180     | 444212.103 | 279642.638 | 183.73  |
| TJ181     | 444174.204 | 279659.049 | 183.6   |
| TJ182     | 444149.059 | 279669.163 | 183.7   |
| TJ183     | 444103.256 | 279687.563 | 183.932 |
| TJ184     | 444084.634 | 279695.075 | 183.96  |
| TJ185     | 444073.582 | 279699.394 | 184.01  |
| TJ186     | 444051.086 | 279708.063 | 184.1   |
| TJ187     | 444027.981 | 279714.944 | 184.25  |
| TJ188     | 444011.538 | 279719.596 | 184.37  |
| TJ189     | 443978.448 | 279729.503 | 184.57  |
| TJ190     | 443959.718 | 279734.434 | 184.67  |
| TJ191     | 443939.749 | 279739.015 | 185.07  |
| TJ192     | 443914.41  | 279743.256 | 184.93  |
| TJ193     | 443877.293 | 279751.429 | 185.06  |
| TJ194     | 443839.543 | 279759.212 | 185.24  |
| TJ195     | 443800.974 | 279767.164 | 185.43  |
| TJ196     | 443761.563 | 279775.29  | 185.61  |
| TJ197     | 443719.108 | 279783.97  | 185.81  |
| TJ198     | 443679.991 | 279791.79  | 185.98  |
| TJ199     | 443644.575 | 279798.686 | 186.15  |
| TJ200     | 443912.335 | 279736.005 | 186.52  |
| TJ201     | 443938.523 | 279730.721 | 186.24  |
| TJ202     | 443957.863 | 279725.908 | 186.2   |
| TJ203     | 443976.535 | 279721.259 | 186.27  |
| TJ204     | 444010.049 | 279711.889 | 186.09  |
| TJ205     | 444025.892 | 279707.46  | 186     |
| TJ206     | 444048.441 | 279700.834 | 185.94  |
| TJ207     | 444071.041 | 279692.465 | 186.26  |
| TJ208     | 444082.158 | 279688.337 | 186.06  |
| TJ209     | 444100.802 | 279681.093 | 185.18  |
| TJ210     | 444145.849 | 279662.228 | 185.31  |
| TJ211     | 444170.57  | 279651.875 | 185.37  |
| TJ212     | 444208.688 | 279635.339 | 185.38  |
| TJ213     | 444246.077 | 279619.002 | 185.36  |
| TJ214     | 444287.748 | 279600.671 | 185.25  |
| TJ215     | 444328.849 | 279582.239 | 184.48  |
| TJ216     | 444364.996 | 279564.569 | 184.19  |
| TJ217     | 444401.655 | 279547.308 | 184.15  |
| TJ218     | 444440.49  | 279529.829 | 184.09  |
| TJ219     | 444470.282 | 279519.862 | 183.921 |
| TJ220     | 444503.078 | 279500.66  | 183.061 |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P15192    | 482566.175 | 215718.665 | 96.28  |
| P15193    | 482568.009 | 215718.255 | 96.56  |
| P15194    | 482570.038 | 215717.802 | 96.87  |
| P15195    | 482571.073 | 215717.538 | 97.27  |
| P15196    | 482571.708 | 215717.431 | 97.52  |
| P15197    | 482572.576 | 215717.302 | 97.3   |
| P15198    | 482573.269 | 215717.155 | 97.54  |
| P15199    | 482573.806 | 215717.103 | 97.33  |
| P15200    | 482574.887 | 215716.795 | 96.99  |
| P15201    | 482577.367 | 215716.039 | 96.83  |
| P15202    | 482579.295 | 215715.744 | 96.15  |
| P15203    | 482587.969 | 215715.345 | 95.94  |
| P15204    | 482594.205 | 215714.573 | 95.92  |
| P15205    | 482595.847 | 215713.637 | 95.72  |
| P15206    | 482597.95  | 215712.964 | 95.58  |
| P15207    | 482599.614 | 215712.468 | 95.86  |
| P15208    | 482605.024 | 215710.428 | 95.9   |
| P15209    | 482615.483 | 215707.163 | 95.9   |
| P15210    | 482628.267 | 215703.275 | 95.95  |
| P15211    | 482467.455 | 215597.054 | 95.24  |
| P15212    | 482477.57  | 215593.748 | 95.2   |
| P15213    | 482492.812 | 215588.938 | 95.31  |
| P15214    | 482504.226 | 215585.31  | 95.41  |
| P15215    | 482514.189 | 215582.475 | 95.53  |
| P15216    | 482527.19  | 215579.695 | 95.41  |
| P15217    | 482534.98  | 215578.302 | 95.56  |
| P15218    | 482538.885 | 215577.693 | 95.45  |
| P15219    | 482543.709 | 215576.454 | 96.12  |
| P15220    | 482544.295 | 215576.53  | 96.43  |
| P15221    | 482545.367 | 215576.34  | 97.06  |
| P15222    | 482546.371 | 215576.366 | 97.22  |
| P15223    | 482547.073 | 215576.363 | 97.02  |
| P15224    | 482547.844 | 215576.366 | 97.23  |
| P15225    | 482548.487 | 215576.248 | 97.03  |
| P15226    | 482550.033 | 215576.25  | 96.31  |
| P15227    | 482551.436 | 215576.306 | 96.154 |
| P15228    | 482553.711 | 215576.396 | 95.9   |
| P15229    | 482554.704 | 215575.885 | 95.45  |
| P15230    | 482556.139 | 215575.402 | 94.53  |
| P15231    | 482557.591 | 215574.923 | 94.4   |
| P15232    | 482560.26  | 215575.256 | 95.41  |
| P15233    | 482566.144 | 215572.681 | 95.56  |
| P15234    | 482583.322 | 215568.059 | 95.57  |
| P15235    | 482595.853 | 215563.9   | 95.63  |
| P15236    | 482609.388 | 215559.102 | 95.62  |
| P15237    | 482622.174 | 215557.642 | 95.72  |
| P15238    | 482447.266 | 215308.536 | 94.77  |
| P15239    | 482454.987 | 215306.095 | 94.78  |
| P15240    | 482459.812 | 215305.116 | 94.75  |
| P15241    | 482460.885 | 215304.907 | 94.05  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| TJ221     | 444553.244 | 279483.204 | 183.35  |
| TJ222     | 444593.205 | 279463.993 | 182.26  |
| TJ223     | 444630.703 | 279448.855 | 182.15  |
| TJ224     | 444657.831 | 279437.866 | 182.142 |
| TJ225     | 443607.358 | 279814.516 | 186.93  |
| TJ226     | 443566.977 | 279822.448 | 187.24  |
| TJ227     | 443525.462 | 279830.603 | 187.57  |
| TJ228     | 443509.52  | 279834     | 187.7   |
| TJ229     | 443486.316 | 279838.988 | 187.88  |
| TJ230     | 443451.348 | 279846.519 | 188.161 |
| TJ231     | 443095.896 | 279916.677 | 189.48  |
| TJ232     | 443051.989 | 279925.344 | 189.58  |
| TJ233     | 443015.674 | 279933.817 | 189.98  |
| TJ234     | 442939.936 | 279948.979 | 190.15  |
| TJ235     | 442852.126 | 279942.426 | 191.996 |
| TJ236     | 442896.929 | 279938.213 | 191.516 |
| TJ237     | 442934.348 | 279928.447 | 191.312 |
| TJ238     | 442968.338 | 279922.288 | 191.325 |
| TJ239     | 443011.062 | 279913.7   | 191.17  |
| TJ240     | 443048.161 | 279906.403 | 191.12  |
| TJ241     | 443080.445 | 279902.163 | 190.87  |
| TJ242     | 443093.038 | 279899.686 | 190.847 |
| TJ243     | 443132.287 | 279891.12  | 190.55  |
| TJ244     | 443160.03  | 279885.611 | 190.54  |
| TJ245     | 443172.095 | 279883.208 | 190.54  |
| TJ246     | 443212.618 | 279874.805 | 190.275 |
| TJ247     | 443252.835 | 279866.687 | 189.961 |
| TJ248     | 443288.9   | 279859.832 | 189.752 |
| TJ249     | 443329.348 | 279852.093 | 189.661 |
| TJ250     | 443364.147 | 279845.111 | 189.71  |
| TJ251     | 443406.909 | 279836.71  | 189.81  |
| TJ252     | 443447.398 | 279828.13  | 189.137 |
| TJ253     | 443482.782 | 279821.597 | 188.92  |
| TJ254     | 443507.401 | 279815.947 | 188.07  |
| TJ255     | 443510.377 | 279816.298 | 188.779 |
| TJ256     | 443522.003 | 279814.205 | 188.779 |
| TJ257     | 443550.156 | 279809.015 | 188.779 |
| TJ258     | 443563.463 | 279804.875 | 187.974 |
| TJ259     | 443603.782 | 279797.572 | 188.399 |
| TJ260     | 442814.521 | 279957.631 | 191.675 |
| TJ261     | 442853.261 | 279952.916 | 191.588 |
| TJ262     | 442897.453 | 279945.997 | 191.754 |
| TJ263     | 442937.11  | 279938.315 | 191.438 |
| TJ264     | 442970.328 | 279931.411 | 191.319 |
| TJ265     | 443013.391 | 279923.042 | 191.11  |
| TJ266     | 443050.103 | 279916.532 | 190.613 |
| TJ267     | 443094.268 | 279907.242 | 190.489 |
| TJ268     | 443133.595 | 279899.81  | 190.13  |
| TJ269     | 443173.477 | 279890.986 | 190.31  |
| TJ270     | 443214.282 | 279883.243 | 190.11  |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P15242    | 482461.596 | 215304.706 | 94.05  |
| P15243    | 482462.5   | 215304.358 | 94.55  |
| P15244    | 482465.131 | 215303.433 | 94.86  |
| P15245    | 482470.547 | 215302.05  | 94.89  |
| P15246    | 482476.109 | 215300.052 | 95.01  |
| P15247    | 482482.733 | 215298.218 | 94.98  |
| P15248    | 482488.773 | 215296.808 | 95.08  |
| P15249    | 482493.308 | 215296.611 | 95.88  |
| P15250    | 482494.905 | 215296.155 | 96.6   |
| P15251    | 482495.768 | 215295.945 | 96.79  |
| P15252    | 482496.396 | 215295.824 | 96.56  |
| P15253    | 482497.155 | 215295.685 | 96.79  |
| P15254    | 482497.708 | 215295.485 | 96.58  |
| P15255    | 482498.5   | 215295.195 | 96.27  |
| P15256    | 482499.968 | 215294.821 | 95.8   |
| P15257    | 482502.383 | 215294.984 | 95.45  |
| P15258    | 482505.623 | 215294.926 | 94.66  |
| P15259    | 482507.61  | 215293.29  | 93.76  |
| P15260    | 482508.196 | 215293.025 | 93.75  |
| P15261    | 482509.661 | 215292.368 | 94.65  |
| P15262    | 482511.058 | 215292.313 | 94.89  |
| P15263    | 482516.688 | 215292.391 | 95.14  |
| P15264    | 482524.596 | 215288.28  | 95.17  |
| P15265    | 482529.652 | 215285.438 | 95.16  |
| P15266    | 482537.836 | 215282.258 | 95.07  |
| P15267    | 482545.524 | 215279.615 | 95.04  |
| P15268    | 482553.697 | 215277.835 | 95.08  |
| P15269    | 482338.003 | 214655.383 | 94.18  |
| P15270    | 482352.276 | 214653.749 | 94.26  |
| P15271    | 482365.203 | 214649.403 | 94.43  |
| P15272    | 482375.329 | 214649.03  | 94.84  |
| P15273    | 482376.789 | 214648.751 | 95.28  |
| P15274    | 482378.034 | 214648.561 | 95.78  |
| P15275    | 482378.568 | 214648.326 | 96.01  |
| P15276    | 482379.188 | 214648.286 | 95.79  |
| P15277    | 482379.978 | 214648.112 | 96.01  |
| P15278    | 482380.631 | 214647.893 | 95.67  |
| P15279    | 482381.745 | 214648.108 | 95.05  |
| P15280    | 482383.993 | 214647.648 | 94.798 |
| P15281    | 482384.773 | 214647.488 | 94.71  |
| P15282    | 482387.236 | 214647.835 | 93.04  |
| P15283    | 482388.802 | 214647.443 | 92.99  |
| P15284    | 482389.44  | 214647.331 | 93.29  |
| P15285    | 482394.942 | 214645.684 | 94.61  |
| P15286    | 482397.156 | 214644.882 | 94.72  |
| P15287    | 482403.645 | 214644.413 | 94.8   |
| P15288    | 482412.757 | 214642.608 | 94.53  |
| P15289    | 482424.535 | 214639.995 | 94.44  |
| P15290    | 482436.114 | 214637.784 | 94.53  |
| P15291    | 482447.421 | 214635.289 | 94.55  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P10752    | 483167.602 | 226450.784 | 97.79  |
| P10753    | 483168.713 | 226450.437 | 97.83  |
| P10754    | 483169.426 | 226450.554 | 98.06  |
| P10755    | 483170.311 | 226450.55  | 98.37  |
| P10756    | 483170.425 | 226450.55  | 98.41  |
| P10757    | 483170.858 | 226450.599 | 98.4   |
| P10758    | 483171.302 | 226450.502 | 98.23  |
| P10759    | 483171.995 | 226450.642 | 98.41  |
| P10760    | 483172.356 | 226450.664 | 98.43  |
| P10761    | 483173.111 | 226450.691 | 98.17  |
| P10762    | 483174.072 | 226450.43  | 97.74  |
| P10763    | 483174.801 | 226450.432 | 98.07  |
| P10764    | 483179.291 | 226450.7   | 97.35  |
| P10765    | 483199.624 | 226451.689 | 96.71  |
| P10766    | 483203.848 | 226452.728 | 95.52  |
| P10767    | 483206.838 | 226452.921 | 96.436 |
| P10768    | 483109.507 | 226421.663 | 96.44  |
| P10769    | 483120.259 | 226423.749 | 96.7   |
| P10770    | 483123.217 | 226423.811 | 96.666 |
| P10771    | 483128.046 | 226423.911 | 96.61  |
| P10772    | 483129.795 | 226423.465 | 95.68  |
| P10773    | 483131.149 | 226424.22  | 95.22  |
| P10774    | 483131.895 | 226424.145 | 95.31  |
| P10775    | 483133.016 | 226423.751 | 95.6   |
| P10776    | 483134.893 | 226423.733 | 96.32  |
| P10777    | 483145.767 | 226420.418 | 96.1   |
| P10778    | 483160.312 | 226421.677 | 96.02  |
| P10779    | 483166.368 | 226421.89  | 96.46  |
| P10780    | 483168.765 | 226421.23  | 97.5   |
| P10781    | 483170.8   | 226421.163 | 97.82  |
| P10782    | 483172.276 | 226421.641 | 98.299 |
| P10783    | 483172.431 | 226421.588 | 98.33  |
| P10784    | 483172.985 | 226421.629 | 98.54  |
| P10785    | 483173.72  | 226421.687 | 98.3   |
| P10786    | 483174.5   | 226421.761 | 98.53  |
| P10787    | 483174.993 | 226421.802 | 98.3   |
| P10788    | 483175.65  | 226421.906 | 98.23  |
| P10789    | 483178.055 | 226422.258 | 97.43  |
| P10790    | 483181.222 | 226422.647 | 97.39  |
| P10791    | 483183.427 | 226423.899 | 97.26  |
| P10792    | 483186.293 | 226424.064 | 96.03  |
| P10793    | 483189.009 | 226423.414 | 96.08  |
| P10794    | 483200.123 | 226423.665 | 96.41  |
| P10795    | 483202.59  | 226424.279 | 95.83  |
| P10796    | 483203.647 | 226424.19  | 95.45  |
| P10797    | 483204.854 | 226424.247 | 95.522 |
| P10798    | 483207.886 | 226424.344 | 96.47  |
| P10799    | 483189.927 | 226900.778 | 96.587 |
| P10800    | 483187.818 | 226900.242 | 96.256 |
| P10801    | 483185.447 | 226898.144 | 96.439 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| C2292     | 526566.605 | 217565.104 | 110.17  |
| GR1       | 508083.76  | 205192.441 | 107.549 |
| GR2       | 508076.243 | 205201.596 | 106.139 |
| GR3       | 508068.568 | 205210.129 | 104.772 |
| GR4       | 508057.784 | 205206.344 | 105.051 |
| GR5       | 508046.982 | 205202.239 | 104.442 |
| GR6       | 508047.521 | 205201.675 | 104.652 |
| GR7       | 508053.854 | 205194.684 | 105.53  |
| GR8       | 508061.388 | 205187.702 | 106.778 |
| GR9       | 508068.054 | 205181.13  | 108.087 |
| GR10      | 508036.072 | 205162.518 | 103.862 |
| GR11      | 508034.449 | 205165.674 | 103.506 |
| GR12      | 508030.415 | 205171.337 | 103.199 |
| GR13      | 508028.052 | 205176.851 | 103.047 |
| GR14      | 508028.642 | 205182.563 | 103.202 |
| GR15      | 508023.215 | 205191.602 | 103.462 |
| GR16      | 508006.874 | 205184.546 | 103.117 |
| GR17      | 508014.548 | 205170.513 | 102.909 |
| GR18      | 508017.105 | 205167.163 | 103.086 |
| GR19      | 508025.124 | 205159.677 | 103.108 |
| GR21      | 508249.197 | 205263.853 | 110.855 |
| GR22      | 508247.329 | 205266.869 | 110.453 |
| GR23      | 508241.143 | 205277.686 | 109.043 |
| GR24      | 508233.346 | 205290.715 | 107.176 |
| GR25      | 508244.139 | 205296.892 | 107.015 |
| GR26      | 508256.881 | 205303.025 | 106.832 |
| GR27      | 508273.128 | 205310.446 | 106.438 |
| GR28      | 508285.95  | 205316.303 | 106.588 |
| GR29      | 508286.816 | 205315.774 | 106.594 |
| GR30      | 508287.761 | 205315.04  | 106.601 |
| GR31      | 508288.872 | 205313.627 | 106.611 |
| GR32      | 508289.812 | 205312.853 | 106.623 |
| GR33      | 508293.57  | 205308.483 | 106.958 |
| GR34      | 508294.19  | 205308.088 | 107.007 |
| GR35      | 508295.3   | 205307.689 | 107.085 |
| GR36      | 508295.979 | 205307.559 | 107.13  |
| GR37      | 508297.842 | 205307.559 | 107.248 |
| GR38      | 508299.009 | 205307.539 | 107.323 |
| GR40      | 508305.925 | 205296.972 | 109.118 |
| GR41      | 508286.407 | 205285.396 | 109.718 |
| GR42      | 508260.005 | 205270.095 | 110.525 |
| GR43      | 508498.58  | 205376.384 | 105.381 |
| GR44      | 508498.519 | 205388.669 | 104.047 |
| GR45      | 508478.415 | 205384.439 | 104.362 |
| GR46      | 508466.263 | 205381.982 | 104.71  |
| GR47      | 508465.673 | 205377.797 | 105.334 |
| GR48      | 508466.537 | 205376.479 | 105.46  |
| GR49      | 508476.852 | 205376.479 | 105.415 |
| GR50      | 508494.148 | 205376.384 | 105.331 |
| GR51      | 508727.302 | 205735.066 | 104.898 |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P10802    | 483173.733 | 226897.832 | 96.778 |
| P10803    | 483165.283 | 226897.349 | 97.104 |
| P10804    | 483150.314 | 226895.901 | 98.721 |
| P10805    | 483144.855 | 226896.105 | 98.24  |
| P10806    | 483142.927 | 226895.787 | 98.285 |
| P10807    | 483141.224 | 226895.503 | 98.451 |
| P10808    | 483140.559 | 226895.35  | 98.733 |
| P10809    | 483139.89  | 226895.201 | 98.98  |
| P10810    | 483138.409 | 226895.04  | 98.969 |
| P10811    | 483137.75  | 226894.861 | 98.758 |
| P10812    | 483135.586 | 226894.807 | 98.628 |
| P10813    | 483134.914 | 226894.755 | 98.819 |
| P10814    | 483133.506 | 226894.606 | 98.815 |
| P10815    | 483132.823 | 226894.489 | 98.586 |
| P10816    | 483132.059 | 226894.434 | 98.293 |
| P10817    | 483130.423 | 226894.4   | 98.327 |
| P10818    | 483129.94  | 226894.376 | 98.543 |
| P10819    | 483128.441 | 226894.283 | 98.534 |
| P10820    | 483127.725 | 226894.204 | 98.326 |
| P10821    | 483127.056 | 226894.15  | 98.157 |
| P10822    | 483122.003 | 226892.148 | 97.68  |
| P10823    | 483116.754 | 226892.521 | 97.43  |
| P10824    | 483107.579 | 226893.245 | 97.154 |
| P10825    | 483099.74  | 226894.193 | 96.626 |
| P10826    | 483096.193 | 226893.086 | 95.7   |
| P10827    | 483090.233 | 226892.315 | 96.821 |
| P10828    | 483084.495 | 226894.701 | 96.275 |
| P10829    | 483074.067 | 226898.601 | 96.151 |
| P10830    | 483113.615 | 226861.375 | 97.234 |
| P10831    | 483119.41  | 226863.065 | 97.829 |
| P10832    | 483123.693 | 226863.974 | 97.612 |
| P10833    | 483128.605 | 226864.154 | 98.11  |
| P10834    | 483129.319 | 226864.069 | 98.18  |
| P10835    | 483129.958 | 226864.031 | 98.29  |
| P10836    | 483130.646 | 226864.066 | 98.48  |
| P10837    | 483131.404 | 226864.109 | 98.27  |
| P10838    | 483132.145 | 226864.207 | 98.48  |
| P10839    | 483132.57  | 226864.252 | 98.324 |
| P10840    | 483133.279 | 226864.339 | 98.15  |
| P10841    | 483134.536 | 226865.932 | 98.42  |
| P10842    | 483134.987 | 226866.069 | 98.59  |
| P10843    | 483135.585 | 226866.127 | 98.78  |
| P10844    | 483136.313 | 226866.133 | 98.56  |
| P10845    | 483137.002 | 226866.194 | 98.78  |
| P10846    | 483137.623 | 226866.135 | 98.61  |
| P10847    | 483138.326 | 226866.157 | 98.5   |
| P10848    | 483138.693 | 226866.208 | 98.49  |
| P10849    | 483138.97  | 226866.194 | 98.51  |
| P10850    | 483139.158 | 226866.163 | 98.52  |
| P10851    | 483139.805 | 226866.212 | 98.74  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR53      | 508738.842 | 205746.804 | 105.411 |
| GR54      | 508746.71  | 205753.433 | 105.737 |
| GR55      | 508741.41  | 205757.998 | 105.313 |
| GR56      | 508731.253 | 205767.591 | 105.235 |
| GR57      | 508713.367 | 205748.439 | 105.089 |
| GR58      | 508718.825 | 205742.906 | 105.019 |
| GR59      | 525251.92  | 218121.699 | 109.034 |
| GR60      | 525259.21  | 218128.382 | 109.218 |
| GR61      | 525262.883 | 218131.342 | 109.295 |
| GR62      | 525266.03  | 218135.039 | 109.376 |
| GR63      | 525263.878 | 218141.53  | 109.243 |
| GR64      | 525270.559 | 218144.456 | 109.274 |
| GR65      | 525273.368 | 218146.291 | 109.484 |
| GR66      | 525281.685 | 218155.578 | 109.626 |
| GR67      | 525277.543 | 218160.526 | 109.211 |
| GR68      | 525275.327 | 218162.937 | 109.106 |
| GR70      | 525268.198 | 218160.912 | 109.029 |
| GR71      | 525265.692 | 218157.313 | 108.968 |
| GR72      | 525267.909 | 218155.417 | 109.082 |
| GR73      | 525264.297 | 218152.684 | 109.142 |
| GR74      | 525261.632 | 218156.637 | 108.909 |
| GR75      | 525255.369 | 218154.643 | 108.87  |
| GR76      | 525250.574 | 218168.433 | 108.756 |
| GR77      | 525259.887 | 218170.363 | 109.145 |
| GR78      | 525260.914 | 218171.646 | 109.082 |
| GR79      | 525259.051 | 218177.561 | 109.113 |
| GR81      | 525255.245 | 218186.588 | 109.3   |
| GR82      | 525254.798 | 218189.243 | 109.283 |
| GR83      | 525254.741 | 218190.004 | 109.227 |
| GR84      | 525246.424 | 218187.21  | 109.127 |
| GR85      | 525241.897 | 218185.956 | 109.023 |
| GR86      | 525243.02  | 218174.675 | 108.826 |
| GR87      | 525242.93  | 218171.966 | 108.756 |
| GR88      | 525243.342 | 218168.625 | 108.722 |
| GR89      | 525243.29  | 218156.389 | 108.889 |
| GR90      | 525243.481 | 218153.706 | 108.941 |
| GR91      | 525246.281 | 218142.042 | 108.987 |
| GR92      | 525249.988 | 218129.37  | 108.943 |
| GR93      | 525250.793 | 218123.602 | 108.981 |
| GR94      | 525232.834 | 218099.715 | 109.216 |
| GR95      | 525245.545 | 218114.21  | 108.963 |
| GR96      | 525250.049 | 218118.163 | 109.03  |
| GR97      | 525246.257 | 218130.18  | 108.935 |
| GR98      | 525243.807 | 218135.95  | 108.946 |
| GR99      | 525242.995 | 218139.898 | 108.927 |
| GR100     | 525241.213 | 218147.131 | 108.931 |
| GR101     | 525239.827 | 218151.839 | 109.106 |
| GR102     | 525230.024 | 218150.452 | 109.291 |
| GR103     | 525230.762 | 218143.254 | 108.842 |
| GR104     | 525227.652 | 218142.2   | 109.15  |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P10852    | 483140.487 | 226866.046 | 98.96  |
| P10853    | 483141.301 | 226866.015 | 98.71  |
| P10854    | 483141.998 | 226866.073 | 98.98  |
| P10855    | 483142.646 | 226866.127 | 98.72  |
| P10856    | 483143.447 | 226866.289 | 98.42  |
| P10857    | 483148.865 | 226866.204 | 98.802 |
| P10858    | 483152.48  | 226867.235 | 97.66  |
| P10859    | 483154.558 | 226867.908 | 97.601 |
| P10860    | 483165.283 | 226868.618 | 96.906 |
| P10861    | 483177.355 | 226870.55  | 96.757 |
| P10862    | 483185.477 | 226871.566 | 96.515 |
| P10863    | 483188.306 | 226875.273 | 95.763 |
| P10864    | 483192.108 | 226876.686 | 96.496 |
| P10865    | 483085.608 | 226808.138 | 97.047 |
| P10866    | 483091.538 | 226808.986 | 96.693 |
| P10867    | 483094.954 | 226809.566 | 96.704 |
| P10868    | 483097.236 | 226810.081 | 97.13  |
| P10869    | 483102.392 | 226811.067 | 95.755 |
| P10870    | 483106.469 | 226811.578 | 96.727 |
| P10871    | 483112.891 | 226811.518 | 97.275 |
| P10872    | 483123.756 | 226812.725 | 97.651 |
| P10873    | 483126.787 | 226812.409 | 97.486 |
| P10874    | 483130.455 | 226812.69  | 97.886 |
| P10875    | 483133.069 | 226812.612 | 97.99  |
| P10876    | 483133.775 | 226812.686 | 98.07  |
| P10877    | 483134.329 | 226812.697 | 98.45  |
| P10878    | 483135.077 | 226812.734 | 98.16  |
| P10879    | 483135.791 | 226812.939 | 98.43  |
| P10880    | 483136.347 | 226813.009 | 98.17  |
| P10881    | 483136.885 | 226812.974 | 98.1   |
| P10882    | 483138.351 | 226813.462 | 98.31  |
| P10883    | 483138.779 | 226813.512 | 98.5   |
| P10884    | 483139.361 | 226813.609 | 98.75  |
| P10885    | 483140.081 | 226813.692 | 98.53  |
| P10886    | 483140.837 | 226813.8   | 98.72  |
| P10887    | 483141.485 | 226813.867 | 98.541 |
| P10888    | 483141.99  | 226813.734 | 98.48  |
| P10889    | 483142.576 | 226813.732 | 98.46  |
| P10890    | 483142.818 | 226814     | 98.5   |
| P10891    | 483143.008 | 226813.944 | 98.48  |
| P10892    | 483143.641 | 226813.961 | 98.67  |
| P10893    | 483143.7   | 226813.966 | 98.685 |
| P10894    | 483144.324 | 226814.023 | 98.84  |
| P10895    | 483145.038 | 226814.119 | 98.67  |
| P10896    | 483145.75  | 226814.152 | 98.89  |
| P10897    | 483146.388 | 226814.265 | 98.58  |
| P10898    | 483147.261 | 226814.298 | 98.31  |
| P10899    | 483151.613 | 226814.539 | 98.47  |
| P10900    | 483153.568 | 226814.576 | 97.472 |
| P10901    | 483157.557 | 226814.657 | 97.242 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR105     | 525226.698 | 218134.469 | 109.032 |
| GR106     | 525224.152 | 218105.657 | 109.282 |
| GR107     | 525226.288 | 218092.285 | 109.462 |
| GR108     | 525218.773 | 218096.113 | 109.963 |
| GR109     | 525209.974 | 218071.949 | 110.838 |
| GR110     | 525210.517 | 218071.104 | 110.667 |
| GR111     | 525211.903 | 218070.473 | 110.428 |
| GR112     | 525212.507 | 218070.351 | 110.384 |
| GR113     | 525217.33  | 218077.682 | 109.978 |
| GR114     | 525215.638 | 218088.118 | 110.395 |
| GR115     | 513118.236 | 211243.683 | 133.397 |
| GR117     | 513092.002 | 211341.943 | 133.739 |
| GR118     | 513104.116 | 211355.366 | 133.589 |
| GR119     | 513196.009 | 211455.891 | 133.753 |
| GR120     | 513217.961 | 211480.05  | 133.874 |
| GR121     | 513248.989 | 211513.982 | 133.195 |
| GR122     | 513255.55  | 211506.409 | 133.198 |
| GR123     | 513264.25  | 211497.069 | 133.387 |
| GR124     | 513270.452 | 211489.285 | 133.446 |
| GR125     | 513291.927 | 211462.631 | 134.198 |
| GR126     | 509297.451 | 206444.639 | 104.75  |
| GR127     | 509318.896 | 206425.228 | 105.036 |
| GR128     | 509321.286 | 206423.356 | 105.066 |
| GR129     | 509324.958 | 206421.083 | 105.109 |
| GR130     | 509326.232 | 206420.214 | 105.131 |
| GR131     | 509329.981 | 206415.187 | 105.22  |
| GR132     | 509330.739 | 206414.232 | 105.237 |
| GR133     | 509331.476 | 206412.884 | 105.258 |
| GR134     | 509335.696 | 206409.949 | 105.331 |
| GR135     | 509341.06  | 206404.824 | 105.437 |
| GR136     | 509345.33  | 206400.949 | 105.52  |
| GR137     | 509346.477 | 206399.969 | 105.53  |
| GR138     | 509349.425 | 206397.333 | 105.58  |
| GR139     | 509351.847 | 206395.816 | 105.617 |
| GR140     | 509353.746 | 206394.15  | 105.649 |
| GR141     | 509360.557 | 206401.459 | 105.442 |
| GR142     | 509367.169 | 206408.635 | 105.24  |
| GR143     | 509377.944 | 206419.994 | 105.271 |
| GR144     | 509385.504 | 206427.862 | 105.293 |
| GR145     | 509387.217 | 206429.969 | 105.298 |
| GR146     | 509407.19  | 206451.136 | 105.356 |
| GR147     | 509432.468 | 206477.898 | 105.288 |
| GR148     | 509459.946 | 206506.962 | 105.215 |
| GR149     | 509483.892 | 206532.136 | 105.151 |
| GR150     | 509511.168 | 206561.095 | 105.077 |
| GR151     | 509540.584 | 206591.947 | 104.999 |
| GR152     | 509558.395 | 206611.034 | 104.951 |
| GR153     | 509573.032 | 206626.639 | 104.911 |
| GR154     | 509590.735 | 206645.366 | 104.864 |
| GR155     | 509617.138 | 206672.233 | 104.795 |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P10902    | 483159.173 | 226816.079 | 97.033 |
| P10903    | 483161.935 | 226816.983 | 96.981 |
| P10904    | 483167.252 | 226819.171 | 96.653 |
| P10905    | 483178.079 | 226822.866 | 96.825 |
| P10906    | 483186.288 | 226826.004 | 96.809 |
| P10907    | 483191.442 | 226827.278 | 95.677 |
| P10908    | 483194.396 | 226827.255 | 96.465 |
| P10909    | 483085.85  | 226733.292 | 97.151 |
| P10910    | 483097.825 | 226737.542 | 97.12  |
| P10911    | 483101.182 | 226738.114 | 97.144 |
| P10912    | 483102.621 | 226738.694 | 97.26  |
| P10913    | 483107.63  | 226739.878 | 95.484 |
| P10914    | 483112.053 | 226739.992 | 96.971 |
| P10915    | 483119.893 | 226739.328 | 97.236 |
| P10916    | 483127.136 | 226739.811 | 97.246 |
| P10917    | 483131.578 | 226740.237 | 97.278 |
| P10918    | 483135.18  | 226740.731 | 97.6   |
| P10919    | 483135.559 | 226740.759 | 97.68  |
| P10920    | 483135.771 | 226740.846 | 98.12  |
| P10921    | 483136.038 | 226740.747 | 98.067 |
| P10922    | 483136.525 | 226740.566 | 97.97  |
| P10923    | 483137.315 | 226740.64  | 98.22  |
| P10924    | 483138.05  | 226740.651 | 98     |
| P10925    | 483138.479 | 226740.842 | 98.11  |
| P10926    | 483139.009 | 226740.584 | 98.15  |
| P10927    | 483139.635 | 226740.614 | 98.41  |
| P10928    | 483140.385 | 226740.495 | 98.2   |
| P10929    | 483141.126 | 226740.586 | 98.43  |
| P10930    | 483141.743 | 226740.705 | 98.16  |
| P10931    | 483142.741 | 226740.704 | 98.07  |
| P10932    | 483144.153 | 226740.993 | 98.49  |
| P10933    | 483144.636 | 226740.931 | 98.64  |
| P10934    | 483145.414 | 226741.059 | 98.4   |
| P10935    | 483146.141 | 226741.052 | 98.61  |
| P10936    | 483146.832 | 226741.085 | 98.48  |
| P10937    | 483147.521 | 226740.972 | 98.38  |
| P10938    | 483147.794 | 226740.915 | 98.37  |
| P10939    | 483148.199 | 226740.929 | 98.33  |
| P10940    | 483148.567 | 226740.997 | 98.4   |
| P10941    | 483149.154 | 226741.024 | 98.58  |
| P10942    | 483149.664 | 226741.014 | 98.72  |
| P10943    | 483150.434 | 226741.066 | 98.52  |
| P10944    | 483151.131 | 226741.017 | 98.74  |
| P10945    | 483151.714 | 226741.046 | 98.54  |
| P10946    | 483151.872 | 226741.087 | 98.495 |
| P10947    | 483152.873 | 226741.347 | 98.21  |
| P10948    | 483156.712 | 226742.05  | 98.418 |
| P10949    | 483160.696 | 226741.501 | 98.75  |
| P10950    | 483164.399 | 226743.286 | 97.775 |
| P10951    | 483167.126 | 226743.14  | 97.636 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR156     | 509634.353 | 206690.046 | 104.749 |
| GR158     | 509630.269 | 206732.089 | 104.753 |
| GR159     | 509607.092 | 206755.475 | 104.81  |
| GR160     | 508692.397 | 205569.488 | 103.266 |
| GR161     | 508684.106 | 205562.101 | 103.136 |
| GR162     | 508679.509 | 205558.53  | 103.068 |
| GR163     | 508668.509 | 205549.627 | 102.903 |
| GR164     | 508665.638 | 205552.209 | 102.908 |
| GR165     | 508648.263 | 205569.67  | 102.939 |
| GR166     | 508631.312 | 205589.033 | 102.972 |
| GR167     | 508650.04  | 205609.057 | 102.998 |
| GR168     | 508673.599 | 205633.772 | 103.026 |
| GR169     | 508690.207 | 205649.806 | 103.045 |
| GR170     | 508703.499 | 205633.817 | 103.286 |
| GR171     | 508708.288 | 205629.91  | 103.357 |
| GR172     | 508731.303 | 205605.214 | 103.813 |
| GR173     | 508726.562 | 205600.966 | 103.762 |
| GR174     | 508717.522 | 205592.995 | 103.664 |
| GR175     | 508025.866 | 205192.735 | 103.8   |
| GR176     | 508027.746 | 205192.994 | 103.868 |
| GR177     | 508034.04  | 205195.511 | 104.113 |
| GR178     | 507991.27  | 205176.668 | 102.948 |
| GR179     | 507997.191 | 205169.385 | 104.034 |
| GR180     | 508016.622 | 205148.401 | 107.13  |
| GR181     | 508028.194 | 205135.482 | 108.402 |
| GR182     | 508031.03  | 205132.236 | 108.325 |
| GR183     | 508027.69  | 205128.64  | 108.444 |
| GR184     | 508023.464 | 205126.158 | 108.004 |
| GR185     | 508017.094 | 205123.227 | 107.581 |
| GR186     | 508007.835 | 205117.099 | 107.056 |
| GR187     | 508002.612 | 205112.792 | 106.807 |
| GR188     | 507986.184 | 205122.578 | 106.662 |
| GR189     | 507983.83  | 205122.682 | 106.574 |
| GR190     | 507977.435 | 205128.061 | 106.119 |
| GR191     | 507974.229 | 205131.547 | 105.631 |
| GR192     | 507963.997 | 205145.739 | 103.397 |
| GR193     | 507956.61  | 205154.453 | 102.948 |
| GR194     | 507954.665 | 205158.089 | 102.317 |
| GR196     | 507978.218 | 205170.079 | 103.026 |
| GR197     | 508448.538 | 205387.81  | 104.645 |
| GR198     | 508455.798 | 205385.498 | 104.395 |
| GR199     | 508463.38  | 205382.816 | 104.846 |
| GR200     | 508466.18  | 205381.937 | 104.721 |
| GR201     | 508469.112 | 205399.69  | 103.747 |
| GR202     | 508427.292 | 205378.082 | 106.945 |
| GR203     | 508419.864 | 205384.259 | 105.593 |
| GR204     | 508413.833 | 205390.611 | 104.759 |
| GR205     | 508433.476 | 205399.67  | 103.557 |
| GR206     | 508446.729 | 205395.705 | 103.841 |
| GR207     | 508441.708 | 205384.298 | 105.296 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P10952    | 483176.389 | 226742.708 | 96.655 |
| P10953    | 483187.254 | 226741.743 | 96.509 |
| P10954    | 483190.861 | 226742.22  | 96.648 |
| P10955    | 483194.459 | 226743.797 | 95.618 |
| P10956    | 483197.767 | 226745.014 | 96.85  |
| P10957    | 483214.985 | 222515.269 | 100.06 |
| P10958    | 483226.875 | 222516.699 | 99.24  |
| P10959    | 483238.938 | 222518.441 | 98.24  |
| P10960    | 483250.249 | 222519.822 | 97.64  |
| P10961    | 483259.562 | 222520.366 | 97.67  |
| P10962    | 483268.486 | 222518.077 | 98.239 |
| P10963    | 483272.822 | 222516.965 | 98.515 |
| P10964    | 483273.688 | 222516.743 | 98.57  |
| P10965    | 483274.197 | 222516.584 | 98.91  |
| P10966    | 483274.829 | 222516.468 | 99.17  |
| P10967    | 483275.49  | 222516.404 | 98.89  |
| P10968    | 483276.314 | 222516.479 | 99.17  |
| P10969    | 483276.899 | 222516.398 | 98.89  |
| P10970    | 483277.743 | 222516.089 | 98.67  |
| P10971    | 483281.256 | 222517.433 | 98.327 |
| P10972    | 483284.655 | 222518.734 | 97.995 |
| P10973    | 483303.946 | 222526.117 | 96.11  |
| P10974    | 483316.974 | 222523.443 | 96.1   |
| P10975    | 483331.856 | 222522.043 | 96.05  |
| P10976    | 483341.417 | 222521.679 | 96.21  |
| P10977    | 483207.641 | 222290.729 | 96.42  |
| P10978    | 483214.217 | 222289.959 | 96.4   |
| P10979    | 483221.729 | 222289.366 | 96.43  |
| P10980    | 483231.214 | 222289.155 | 96.35  |
| P10981    | 483238.301 | 222289.411 | 96.4   |
| P10982    | 483240.927 | 222289.056 | 96.7   |
| P10983    | 483244.696 | 222287.745 | 96.57  |
| P10984    | 483247.628 | 222287.329 | 97.78  |
| P10985    | 483249.592 | 222283.741 | 98.37  |
| P10986    | 483250.371 | 222283.62  | 98.63  |
| P10987    | 483250.883 | 222283.464 | 98.84  |
| P10988    | 483251.608 | 222283.382 | 98.61  |
| P10989    | 483252.38  | 222283.342 | 98.84  |
| P10990    | 483252.874 | 222283.188 | 98.63  |
| P10991    | 483254.179 | 222283.197 | 98.14  |
| P10992    | 483257.283 | 222283.149 | 97.9   |
| P10993    | 483259.027 | 222283.534 | 97.51  |
| P10994    | 483262.376 | 222283.989 | 96.51  |
| P10995    | 483266.296 | 222283.863 | 96.55  |
| P10996    | 483269.105 | 222284.521 | 96.49  |
| P10997    | 483274.04  | 222284.064 | 96.51  |
| P10998    | 483281.155 | 222282.083 | 96.33  |
| P10999    | 483288.166 | 222280.492 | 96.58  |
| P11000    | 483193.056 | 222368.55  | 96.871 |
| P11001    | 483217.567 | 222357.802 | 96.691 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR208     | 508443.875 | 205389.221 | 104.495 |
| GR209     | 508449.296 | 205391.815 | 104.337 |
| GR210     | 508411.24  | 205392.719 | 104.669 |
| GR212     | 508439.353 | 205403.061 | 103.463 |
| GR213     | 508446.433 | 205405.278 | 103.312 |
| GR215     | 508634.705 | 205692.763 | 104.17  |
| GR216     | 508641.778 | 205700.618 | 103.882 |
| GR217     | 508624.73  | 205722.999 | 104.261 |
| GR218     | 508598.212 | 205649.441 | 103.275 |
| GR219     | 508591.768 | 205641.887 | 102.762 |
| GR220     | 508585.923 | 205647.982 | 102.964 |
| GR221     | 508580.867 | 205652.638 | 102.946 |
| GR222     | 508573.924 | 205659.792 | 102.917 |
| GR223     | 509285.838 | 206432.799 | 104.681 |
| GR224     | 509297.18  | 206427.53  | 104.772 |
| GR225     | 509318.991 | 206406.412 | 105.578 |
| GR226     | 509317.116 | 206384.259 | 105.378 |
| GR227     | 509295.527 | 206357.652 | 105.142 |
| GR228     | 509282.405 | 206341.369 | 104.92  |
| GR229     | 509279.599 | 206336.548 | 104.904 |
| GR230     | 509269.675 | 206319.404 | 104.771 |
| GR231     | 509254.685 | 206298.909 | 104.647 |
| GR232     | 509246.224 | 206288.537 | 104.621 |
| GR233     | 509232.297 | 206273.406 | 104.583 |
| GR234     | 509218.543 | 206258.489 | 104.695 |
| GR235     | 509207.587 | 206246.929 | 104.629 |
| GR236     | 509196.826 | 206235.358 | 104.631 |
| GR237     | 509188.553 | 206226.494 | 104.613 |
| GR238     | 509175.173 | 206212.162 | 104.622 |
| GR239     | 509171.06  | 206207.657 | 104.569 |
| GR240     | 509161.188 | 206198.733 | 104.425 |
| GR241     | 509142.481 | 206181.619 | 104.435 |
| GR242     | 509124.46  | 206165.105 | 104.385 |
| GR243     | 509112.442 | 206154.103 | 104.377 |
| GR244     | 509105.362 | 206147.781 | 104.308 |
| GR245     | 509100.168 | 206142.877 | 104.265 |
| GR246     | 509098.872 | 206142.313 | 104.206 |
| GR247     | 509083.243 | 206134.732 | 104.238 |
| GR248     | 509070.517 | 206128.395 | 104.207 |
| GR249     | 509063.121 | 206124.974 | 104.19  |
| GR250     | 509061.669 | 206124.46  | 104.218 |
| GR251     | 509046.761 | 206122.103 | 104.188 |
| GR252     | 509046.368 | 206136.39  | 104.142 |
| GR253     | 509046.167 | 206143.701 | 104.063 |
| GR254     | 509045.599 | 206145.274 | 104.089 |
| GR255     | 509042.793 | 206151.856 | 103.991 |
| GR256     | 509040.159 | 206158.348 | 103.828 |
| GR257     | 509053.065 | 206174.358 | 103.431 |
| GR258     | 509076.333 | 206203.073 | 103.681 |
| GR259     | 509090.038 | 206220.137 | 103.753 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11002    | 483233.925 | 222350.306 | 96.345 |
| P11003    | 483245.35  | 222344.679 | 96.24  |
| P11004    | 483251.545 | 222341.04  | 96.87  |
| P11005    | 483254.571 | 222340.421 | 98.22  |
| P11006    | 483255.171 | 222340.22  | 98.238 |
| P11007    | 483256.016 | 222339.866 | 98.543 |
| P11008    | 483256.49  | 222339.685 | 98.498 |
| P11009    | 483258.265 | 222339.28  | 98.517 |
| P11010    | 483258.834 | 222339.246 | 98.59  |
| P11011    | 483259.504 | 222339.118 | 98.321 |
| P11012    | 483260.851 | 222338.787 | 98.553 |
| P11013    | 483263.212 | 222337.432 | 96.432 |
| P11014    | 483273.353 | 222330.275 | 96.86  |
| P11015    | 483291.098 | 222319.983 | 96.431 |
| P11016    | 483320.602 | 222306.961 | 96.759 |
| P11017    | 483232.75  | 222574.701 | 102.24 |
| P11018    | 483245.804 | 222575.448 | 102.02 |
| P11019    | 483258.239 | 222575.324 | 102.11 |
| P11020    | 483263.583 | 222573.647 | 98.6   |
| P11021    | 483269.595 | 222571.703 | 98.759 |
| P11022    | 483273.692 | 222571.211 | 98.764 |
| P11023    | 483275.331 | 222570.875 | 98.703 |
| P11024    | 483277.729 | 222570.382 | 98.614 |
| P11025    | 483278.74  | 222570.413 | 98.844 |
| P11026    | 483279.674 | 222570.356 | 99.086 |
| P11027    | 483280.326 | 222570.379 | 99.283 |
| P11028    | 483281.828 | 222570.369 | 99.283 |
| P11029    | 483282.58  | 222570.463 | 98.996 |
| P11030    | 483283.497 | 222570.479 | 98.748 |
| P11031    | 483285.676 | 222570.38  | 97.998 |
| P11032    | 483289.181 | 222569.558 | 97.927 |
| P11033    | 483294.343 | 222568.753 | 97.721 |
| P11034    | 483308.602 | 222566.458 | 97.313 |
| P11035    | 483312.239 | 222566.171 | 97.076 |
| P11036    | 483315.054 | 222565.548 | 97.784 |
| P11037    | 483322.041 | 222562.033 | 97.433 |
| P11038    | 483218.542 | 222537.722 | 101.58 |
| P11039    | 483232.684 | 222536.739 | 100.83 |
| P11040    | 483251.075 | 222536.547 | 99.887 |
| P11041    | 483259.34  | 222535.296 | 99.304 |
| P11042    | 483263.602 | 222534.281 | 99.159 |
| P11043    | 483267.3   | 222535.236 | 99.151 |
| P11044    | 483270.685 | 222535.036 | 98.242 |
| P11045    | 483274.521 | 222535.46  | 98.545 |
| P11046    | 483275.459 | 222535.56  | 98.666 |
| P11047    | 483276.125 | 222535.513 | 98.972 |
| P11048    | 483276.773 | 222535.531 | 99.21  |
| P11049    | 483278.266 | 222535.556 | 99.21  |
| P11050    | 483278.915 | 222535.585 | 98.928 |
| P11051    | 483279.798 | 222535.51  | 98.698 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR260     | 509105.728 | 206239.573 | 103.726 |
| GR261     | 509115.659 | 206249.081 | 103.607 |
| GR262     | 509122.563 | 206255.238 | 103.587 |
| GR263     | 509125.719 | 206257.77  | 103.563 |
| GR264     | 522331.975 | 217061.827 | 114.089 |
| GR265     | 522339.803 | 217033.9   | 114.514 |
| GR266     | 522348.322 | 217002.751 | 114.608 |
| GR267     | 522370.509 | 217011.798 | 114.412 |
| GR268     | 522396.06  | 217022.215 | 114.555 |
| GR269     | 522405.664 | 217026.06  | 114.411 |
| GR270     | 522406.133 | 217025.064 | 114.448 |
| GR271     | 522406.829 | 217022.202 | 114.199 |
| GR272     | 522408.301 | 217019.77  | 114.415 |
| GR273     | 522414.611 | 217022.175 | 114.294 |
| GR274     | 522427.057 | 217027.235 | 114.352 |
| GR275     | 522442.297 | 217033.427 | 114.343 |
| GR276     | 522456.588 | 217039.07  | 114.278 |
| GR277     | 522465.732 | 217042.841 | 114.184 |
| GR278     | 522484.064 | 217050.354 | 114.313 |
| GR279     | 522498.264 | 217056.118 | 114.333 |
| GR280     | 522513.627 | 217062.339 | 114.592 |
| GR281     | 522519.892 | 217065.099 | 114.633 |
| GR282     | 522522.127 | 217065.624 | 114.658 |
| GR283     | 522524.138 | 217066.424 | 114.781 |
| GR284     | 522526.952 | 217067.452 | 114.62  |
| GR285     | 522527.932 | 217067.853 | 114.714 |
| GR286     | 522527.701 | 217068.297 | 114.611 |
| GR287     | 522533.766 | 217070.774 | 114.774 |
| GR288     | 522545.967 | 217075.886 | 114.51  |
| GR289     | 522560.264 | 217081.637 | 114.485 |
| GR290     | 522575.3   | 217087.848 | 114.726 |
| GR291     | 522590.029 | 217093.937 | 114.628 |
| GR292     | 522601.011 | 217098.487 | 114.455 |
| GR293     | 522616.076 | 217104.666 | 114.574 |
| GR294     | 522630.709 | 217110.631 | 114.393 |
| GR295     | 522646.051 | 217117.027 | 114.296 |
| GR296     | 522660.747 | 217123.021 | 114.337 |
| GR297     | 522678.369 | 217130.304 | 114.233 |
| GR298     | 522700.842 | 217139.486 | 114.672 |
| GR299     | 522724.188 | 217149.079 | 114.815 |
| GR300     | 522740.025 | 217155.607 | 114.437 |
| GR301     | 522735.924 | 217164.405 | 113.926 |
| GR302     | 522732.17  | 217171.276 | 113.723 |
| GR303     | 522726.572 | 217174.741 | 114.046 |
| GR305     | 522710.093 | 217183.944 | 114.246 |
| GR306     | 522707.444 | 217191.708 | 114.03  |
| GR307     | 522707.081 | 217192.063 | 114.018 |
| GR308     | 522702.561 | 217206.217 | 114.295 |
| GR309     | 522699.799 | 217215.95  | 113.889 |
| GR310     | 514512.131 | 212790.872 | 132.225 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11052    | 483282.746 | 222535.285 | 97.845 |
| P11053    | 483286.087 | 222534.811 | 97.973 |
| P11054    | 483293.196 | 222532.778 | 97.937 |
| P11055    | 483303.685 | 222531.467 | 96.368 |
| P11056    | 483313.847 | 222529.5   | 96.197 |
| P11057    | 483206.29  | 222460.582 | 96.364 |
| P11058    | 483218.419 | 222460.254 | 96.076 |
| P11059    | 483229.236 | 222458.943 | 96.126 |
| P11060    | 483242.347 | 222457.14  | 96.21  |
| P11061    | 483256.189 | 222454.708 | 96.489 |
| P11062    | 483256.342 | 222454.69  | 96.518 |
| P11063    | 483266.006 | 222453.503 | 98.358 |
| P11064    | 483267.171 | 222453.488 | 98.437 |
| P11065    | 483267.884 | 222453.482 | 98.777 |
| P11066    | 483268.464 | 222453.49  | 98.996 |
| P11067    | 483269.876 | 222453.568 | 98.996 |
| P11068    | 483270.53  | 222453.605 | 98.772 |
| P11069    | 483271.422 | 222453.662 | 98.512 |
| P11070    | 483274.895 | 222453.652 | 97.713 |
| P11071    | 483279.936 | 222454.022 | 96.462 |
| P11072    | 483289.058 | 222451.24  | 96.47  |
| P11073    | 483302.497 | 222451.24  | 96.469 |
| P11074    | 483308.725 | 222451.24  | 96.407 |
| P11075    | 483314.625 | 222450.584 | 96.407 |
| P11076    | 483340.278 | 222446.695 | 96.689 |
| P11077    | 483343.002 | 222445.809 | 95.888 |
| P11078    | 483345.147 | 222445.161 | 96.573 |
| P11079    | 483199.763 | 222258.868 | 96.493 |
| P11080    | 483206.647 | 222261.081 | 96.395 |
| P11081    | 483216.727 | 222260.589 | 96.426 |
| P11082    | 483224.102 | 222259.114 | 96.358 |
| P11083    | 483236.886 | 222254.689 | 96.644 |
| P11084    | 483241.504 | 222254.715 | 96.615 |
| P11085    | 483244.569 | 222254.768 | 97.817 |
| P11086    | 483246.542 | 222254.6   | 98.338 |
| P11087    | 483247.467 | 222254.746 | 98.683 |
| P11088    | 483247.906 | 222254.768 | 98.867 |
| P11089    | 483249.337 | 222254.57  | 98.861 |
| P11090    | 483249.953 | 222254.461 | 98.641 |
| P11091    | 483250.934 | 222254.381 | 98.246 |
| P11092    | 483254.292 | 222253.63  | 97.876 |
| P11093    | 483256.359 | 222254.275 | 97.333 |
| P11094    | 483263.402 | 222253.986 | 96.701 |
| P11095    | 483272.015 | 222253.082 | 96.588 |
| P11096    | 483280.411 | 222252.201 | 96.618 |
| P11097    | 483289.221 | 222251.276 | 96.711 |
| P11098    | 483297.363 | 222250.018 | 96.839 |
| P11099    | 483275.186 | 222055.114 | 96.407 |
| P11100    | 483269.285 | 222053.885 | 96.296 |
| P11101    | 483264.614 | 222052.656 | 96.296 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR311     | 514495.37  | 212812.837 | 131.912 |
| GR312     | 514482.253 | 212830.718 | 132.379 |
| GR313     | 514488.014 | 212841.866 | 132.352 |
| GR314     | 514494.822 | 212854.588 | 132.632 |
| GR315     | 514498.314 | 212860.795 | 132.857 |
| GR316     | 514520.997 | 212872.431 | 133.004 |
| GR317     | 514543.55  | 212884.637 | 133.475 |
| GR318     | 514569.482 | 212899.706 | 133.584 |
| GR319     | 514595.561 | 212914.96  | 133.67  |
| GR320     | 514618.257 | 212928.163 | 133.85  |
| GR321     | 514640.618 | 212941.081 | 133.772 |
| GR322     | 514661.167 | 212953.003 | 133.909 |
| GR323     | 514663.834 | 212952.24  | 133.893 |
| GR324     | 514250.551 | 212763.127 | 128.169 |
| GR325     | 514253.932 | 212763.051 | 128.15  |
| GR326     | 514257.245 | 212763.147 | 128.13  |
| GR327     | 514260.15  | 212763.868 | 128.113 |
| GR328     | 514270.077 | 212769.031 | 128.271 |
| GR329     | 514290.38  | 212782.121 | 129.05  |
| GR330     | 514304.728 | 212791.105 | 129.682 |
| GR331     | 514318.873 | 212799.291 | 130.596 |
| GR332     | 514331.595 | 212807.391 | 131.499 |
| GR333     | 514346.286 | 212816.548 | 132.09  |
| GR334     | 514358.292 | 212824.019 | 132.433 |
| GR335     | 514353.023 | 212830.776 | 133.473 |
| GR336     | 514342.812 | 212842.814 | 133.399 |
| GR337     | 514332.869 | 212854.958 | 132.925 |
| GR338     | 513917.918 | 212385.081 | 130.45  |
| GR339     | 513934.069 | 212364.306 | 129.355 |
| GR340     | 513947.093 | 212348.356 | 128.438 |
| GR341     | 513959.937 | 212361.44  | 129.642 |
| GR342     | 513943.039 | 212382.039 | 130.894 |
| GR343     | 513922.485 | 212407.623 | 131.862 |
| GR344     | 516963.9   | 214742.45  | 141.183 |
| GR345     | 516960.063 | 214752.536 | 141.351 |
| GR346     | 516997.945 | 214767.863 | 141.341 |
| GR347     | 517026.363 | 214781.822 | 141.984 |
| GR348     | 517052.323 | 214794.439 | 141.96  |
| GR349     | 517058.569 | 214797.527 | 141.792 |
| GR350     | 517077.565 | 214804.496 | 141.637 |
| GR351     | 517082.253 | 214806.155 | 141.57  |
| GR352     | 517106.872 | 214815.305 | 141.537 |
| GR353     | 517114.962 | 214818.264 | 141.516 |
| GR354     | 517139.382 | 214765.154 | 140.364 |
| GR355     | 519899.851 | 216008.673 | 125.495 |
| GR356     | 519897.968 | 216006.254 | 125.495 |
| GR357     | 519894.954 | 216002.684 | 125.495 |
| GR358     | 519892.113 | 215999.29  | 125.584 |
| GR359     | 519888.695 | 215995.379 | 125.605 |
| GR360     | 519885.689 | 215991.972 | 125.623 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11102    | 483255.764 | 222050.935 | 96.136 |
| P11103    | 483244.947 | 222050.935 | 96.503 |
| P11104    | 483238.801 | 222051.672 | 96.631 |
| P11105    | 483235.572 | 222052.805 | 96.799 |
| P11106    | 483233.406 | 222053.206 | 97.792 |
| P11107    | 483230.312 | 222054.043 | 98.188 |
| P11108    | 483229.635 | 222054.141 | 98.601 |
| P11109    | 483228.892 | 222054.436 | 98.795 |
| P11110    | 483227.278 | 222054.348 | 98.817 |
| P11111    | 483226.659 | 222054.498 | 98.555 |
| P11112    | 483225.766 | 222054.638 | 98.19  |
| P11113    | 483224.954 | 222054.843 | 97.936 |
| P11114    | 483221.61  | 222055.724 | 96.547 |
| P11115    | 483214.708 | 222058.31  | 96.164 |
| P11116    | 483206.595 | 222060.523 | 96.08  |
| P11117    | 483199.22  | 222062.244 | 96.126 |
| P11118    | 483191.845 | 222063.964 | 96.162 |
| P11119    | 483184.47  | 222064.948 | 96.151 |
| P11120    | 483174.636 | 221980.992 | 95.982 |
| P11121    | 483180.044 | 221983.451 | 95.91  |
| P11122    | 483186.436 | 221984.188 | 95.94  |
| P11123    | 483196.762 | 221984.434 | 95.898 |
| P11124    | 483210.775 | 221981.976 | 96.036 |
| P11125    | 483214.498 | 221981.894 | 96.324 |
| P11126    | 483217.677 | 221981.911 | 98.259 |
| P11127    | 483218.453 | 221981.679 | 98.305 |
| P11128    | 483219.183 | 221981.694 | 98.583 |
| P11129    | 483219.969 | 221981.535 | 98.842 |
| P11130    | 483221.623 | 221981.5   | 98.848 |
| P11131    | 483222.134 | 221981.471 | 98.596 |
| P11132    | 483222.652 | 221981.276 | 98.265 |
| P11133    | 483224.514 | 221980.82  | 97.911 |
| P11134    | 483226.599 | 221980.401 | 96.525 |
| P11135    | 483230.442 | 221980.009 | 96.057 |
| P11136    | 483237.817 | 221979.271 | 96.106 |
| P11137    | 483249.864 | 221979.271 | 95.736 |
| P11138    | 483259.698 | 221979.026 | 95.953 |
| P11139    | 483269.04  | 221978.78  | 96.062 |
| P11140    | 483282.561 | 221978.288 | 95.931 |
| P11141    | 483153.247 | 221859.915 | 95.365 |
| P11142    | 483162.835 | 221859.177 | 95.35  |
| P11143    | 483173.07  | 221858     | 95.271 |
| P11144    | 483178.215 | 221858.634 | 95.101 |
| P11145    | 483184.715 | 221857.948 | 94.68  |
| P11146    | 483193.32  | 221856.473 | 95.289 |
| P11147    | 483197.342 | 221855.308 | 96.202 |
| P11148    | 483200.315 | 221854.811 | 96.212 |
| P11149    | 483203.421 | 221854.494 | 97.726 |
| P11150    | 483205.292 | 221854.43  | 98.205 |
| P11151    | 483206.272 | 221854.255 | 98.695 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR361     | 519882.042 | 215987.82  | 125.947 |
| GR362     | 519879.421 | 215990.141 | 125.935 |
| GR363     | 519876.431 | 215992.726 | 125.921 |
| GR364     | 519872.417 | 215996.121 | 125.903 |
| GR365     | 519868.849 | 215999.201 | 125.886 |
| GR366     | 519864.89  | 216002.404 | 125.868 |
| GR368     | 519945.521 | 216045.993 | 125.058 |
| GR369     | 519946.84  | 216044.728 | 125.058 |
| GR370     | 519945.555 | 216043.051 | 125.058 |
| GR371     | 519932.248 | 216025.375 | 125.316 |
| GR372     | 519930.594 | 216024.645 | 125.337 |
| GR373     | 520052.433 | 215962.017 | 124.94  |
| GR374     | 520028.355 | 215981.482 | 124.813 |
| GR375     | 520020.644 | 215987.594 | 124.891 |
| GR376     | 520016.743 | 215990.52  | 124.929 |
| GR377     | 520012.828 | 215993.525 | 124.968 |
| GR378     | 520009.032 | 215996.53  | 125.006 |
| GR379     | 520005.078 | 215999.667 | 125.046 |
| GR380     | 520001.137 | 216002.725 | 125.086 |
| GR381     | 519996.861 | 216005.995 | 125.128 |
| GR382     | 519993.175 | 216002.383 | 125.242 |
| GR383     | 519988.154 | 215997.058 | 125.404 |
| GR384     | 519977.622 | 215985.455 | 125.75  |
| GR385     | 519946.86  | 215969.18  | 125.859 |
| GR386     | 519928.841 | 215947.993 | 125.432 |
| GR387     | 519959.457 | 215920.617 | 125.261 |
| GR388     | 517607.104 | 215024.717 | 138.893 |
| GR389     | 517568.964 | 215008.701 | 138.729 |
| GR390     | 517574.27  | 214996.59  | 138.393 |
| GR391     | 517583.585 | 214973.903 | 138.675 |
| GR392     | 517563.895 | 214965.555 | 138.414 |
| GR393     | 517558.124 | 214979.392 | 138.156 |
| GR394     | 513622.395 | 211876.719 | 133.724 |
| GR395     | 513616.242 | 211872.938 | 133.907 |
| GR396     | 513600.982 | 211891.845 | 134.073 |
| GR397     | 513589.377 | 211903.705 | 134.233 |
| GR398     | 513599.182 | 211914.657 | 134.097 |
| GR399     | 513601.402 | 211913.233 | 134.013 |
| GR400     | 513606.479 | 211919.146 | 134.191 |
| GR401     | 513607.883 | 211916.762 | 133.851 |
| GR402     | 513610.687 | 211915.121 | 133.605 |
| GR403     | 513606.673 | 211909.823 | 133.63  |
| GR405     | 513582.68  | 211897.458 | 134.07  |
| GR406     | 513566.539 | 211880.324 | 134.097 |
| GR407     | 513570.404 | 211876.559 | 134.309 |
| GR408     | 513569.755 | 211932.415 | 134.123 |
| GR409     | 513575.824 | 211936.909 | 133.882 |
| GR410     | 513579.871 | 211940.18  | 133.667 |
| GR411     | 513579.804 | 211940.29  | 133.667 |
| GR412     | 513582.503 | 211942.512 | 133.494 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11152    | 483206.815 | 221854.224 | 98.919 |
| P11153    | 483208.274 | 221854.216 | 98.937 |
| P11154    | 483208.838 | 221854.248 | 98.697 |
| P11155    | 483209.828 | 221854.191 | 98.205 |
| P11156    | 483211.205 | 221853.668 | 98.101 |
| P11157    | 483214.785 | 221853.447 | 96.869 |
| P11158    | 483221.838 | 221853.031 | 95.727 |
| P11159    | 483229.95  | 221851.802 | 95.375 |
| P11160    | 483242.243 | 221851.064 | 95.515 |
| P11161    | 483253.551 | 221850.818 | 95.397 |
| P11162    | 483263.877 | 221850.818 | 95.357 |
| P11163    | 483156.443 | 221821.071 | 95.16  |
| P11164    | 483163.819 | 221821.071 | 95.198 |
| P11165    | 483168.792 | 221820.2   | 95.106 |
| P11166    | 483173.675 | 221819.15  | 94.967 |
| P11167    | 483179.553 | 221818.613 | 94.35  |
| P11168    | 483187.42  | 221817.384 | 95.287 |
| P11169    | 483192.741 | 221816.689 | 96.25  |
| P11170    | 483195.7   | 221816.256 | 96.169 |
| P11171    | 483198.699 | 221815.543 | 97.473 |
| P11172    | 483201.127 | 221814.913 | 98.308 |
| P11173    | 483202.174 | 221814.7   | 98.798 |
| P11174    | 483202.719 | 221814.523 | 98.996 |
| P11175    | 483204.161 | 221814.231 | 99.011 |
| P11176    | 483204.767 | 221813.939 | 98.806 |
| P11177    | 483205.723 | 221813.85  | 98.261 |
| P11178    | 483207.252 | 221813.77  | 98.149 |
| P11179    | 483210.75  | 221813.507 | 96.836 |
| P11180    | 483215.446 | 221813.696 | 96.153 |
| P11181    | 483218.888 | 221813.204 | 95.343 |
| P11182    | 483230.934 | 221811.729 | 95.219 |
| P11183    | 483239.293 | 221811.484 | 95.227 |
| P11184    | 483246.914 | 221813.45  | 95.28  |
| P11185    | 483253.306 | 221815.171 | 95.259 |
| P11186    | 483147.593 | 221744.491 | 94.964 |
| P11187    | 483150.543 | 221744     | 94.936 |
| P11188    | 483159.588 | 221742.195 | 94.84  |
| P11189    | 483165.342 | 221742.907 | 94.718 |
| P11190    | 483170.948 | 221742.77  | 94.383 |
| P11191    | 483176.357 | 221742.279 | 94.477 |
| P11192    | 483178.078 | 221742.033 | 94.718 |
| P11193    | 483185.165 | 221746.438 | 96.107 |
| P11194    | 483188.373 | 221746.213 | 96.141 |
| P11195    | 483190.983 | 221745.501 | 97.323 |
| P11196    | 483193.714 | 221745.094 | 98.447 |
| P11197    | 483194.875 | 221744.812 | 98.964 |
| P11198    | 483195.523 | 221744.687 | 99.15  |
| P11199    | 483196.991 | 221744.559 | 99.163 |
| P11200    | 483197.712 | 221744.381 | 99.002 |
| P11201    | 483198.73  | 221744.265 | 98.385 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR413     | 513582.352 | 211942.752 | 133.494 |
| GR414     | 513587.213 | 211946.288 | 133.43  |
| GR415     | 513592.116 | 211950.088 | 133.193 |
| GR416     | 513592.025 | 211950.188 | 133.204 |
| GR417     | 513593.425 | 211951.366 | 133.238 |
| GR418     | 513594.797 | 211952.815 | 133.186 |
| GR419     | 513597.305 | 211955.092 | 133.002 |
| GR420     | 513601.108 | 211958.607 | 132.84  |
| GR421     | 513604.887 | 211962.123 | 132.772 |
| GR422     | 513608.45  | 211965.069 | 132.746 |
| GR423     | 513613.547 | 211969.374 | 132.602 |
| GR424     | 513619.587 | 211974.533 | 132.8   |
| GR425     | 513614.234 | 211981.629 | 132.751 |
| GR426     | 513611.397 | 211986.019 | 132.767 |
| GR427     | 513603.37  | 211995.712 | 132.877 |
| GR428     | 513572.391 | 211959.71  | 133.086 |
| GR429     | 513573.3   | 211958.822 | 133.111 |
| GR430     | 513574.422 | 211958.098 | 133.045 |
| GR431     | 513575.566 | 211957.953 | 133.084 |
| GR432     | 513576.907 | 211958.138 | 133.067 |
| GR433     | 513578.474 | 211958.627 | 133.108 |
| GR434     | 513581.04  | 211960.68  | 133.058 |
| GR435     | 513585.325 | 211964.156 | 132.92  |
| GR436     | 513580.263 | 211970.137 | 133.114 |
| GR437     | 514044.324 | 212538.151 | 130.955 |
| GR438     | 514057.163 | 212522.471 | 130.825 |
| GR439     | 514046.044 | 212513.132 | 131.516 |
| GR440     | 514034.379 | 212527.395 | 131.805 |
| GR441     | 514060.204 | 212475.953 | 132.014 |
| GR442     | 514065.034 | 212470.081 | 131.616 |
| GR443     | 514072.502 | 212479.094 | 130.762 |
| GR444     | 514066.542 | 212486.45  | 131.256 |
| GR445     | 514269.743 | 212704.126 | 128.799 |
| GR446     | 514273.487 | 212706.768 | 129.005 |
| GR447     | 514277.505 | 212709.595 | 128.889 |
| GR448     | 514281.625 | 212712.231 | 129.062 |
| GR449     | 514284.791 | 212714.159 | 129.357 |
| GR450     | 514286.12  | 212715.068 | 129.343 |
| GR451     | 514281.602 | 212721.864 | 128.908 |
| GR452     | 514281.939 | 212722.154 | 128.936 |
| GR453     | 514275.28  | 212731.732 | 128.567 |
| GR454     | 514270.134 | 212739.093 | 128.089 |
| GR455     | 514260.84  | 212732.841 | 127.894 |
| GR456     | 514261.13  | 212732.342 | 127.891 |
| GR457     | 514252.61  | 212727.972 | 127.852 |
| GR458     | 514260.872 | 212716.671 | 127.953 |
| GR459     | 514260.316 | 212716.246 | 127.896 |
| GR460     | 514265.951 | 212708.121 | 128.523 |
| GR461     | 517385.658 | 214914.032 | 138.149 |
| GR462     | 517389.344 | 214902.27  | 138.471 |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11202    | 483200.304 | 221744.073 | 98.224 |
| P11203    | 483203.452 | 221742.114 | 96.803 |
| P11204    | 483209.546 | 221739.329 | 95.706 |
| P11205    | 483212.987 | 221738.837 | 95.127 |
| P11206    | 483224.788 | 221737.362 | 94.975 |
| P11207    | 483234.867 | 221735.641 | 94.971 |
| P11208    | 483243.472 | 221734.166 | 95.024 |
| P11209    | 483236.588 | 221694.093 | 94.849 |
| P11210    | 483232.901 | 221695.323 | 94.85  |
| P11211    | 483225.034 | 221698.519 | 94.88  |
| P11212    | 483211.758 | 221699.01  | 94.92  |
| P11213    | 483205.858 | 221699.748 | 95.465 |
| P11214    | 483203.399 | 221700.485 | 96.224 |
| P11215    | 483199.181 | 221701.079 | 96.807 |
| P11216    | 483195.979 | 221701.125 | 98.263 |
| P11217    | 483194.503 | 221701.342 | 98.489 |
| P11218    | 483193.316 | 221701.339 | 99.132 |
| P11219    | 483192.545 | 221701.386 | 99.281 |
| P11220    | 483191.081 | 221701.5   | 99.264 |
| P11221    | 483190.304 | 221701.601 | 99.051 |
| P11222    | 483189.056 | 221701.725 | 98.491 |
| P11223    | 483186.969 | 221701.866 | 97.543 |
| P11224    | 483184.009 | 221702.194 | 96.176 |
| P11225    | 483181.057 | 221702.207 | 96.103 |
| P11226    | 483175.865 | 221701.96  | 94.923 |
| P11227    | 483172.915 | 221702.452 | 94.48  |
| P11228    | 483167.752 | 221702.944 | 94.251 |
| P11229    | 483161.435 | 221704.09  | 94.601 |
| P11230    | 483154.855 | 221704.459 | 94.766 |
| P11231    | 483149.806 | 221703.927 | 94.887 |
| P11232    | 483142.676 | 221703.927 | 94.911 |
| P11233    | 483133.826 | 221624.151 | 94.698 |
| P11234    | 483139.589 | 221623.359 | 94.698 |
| P11235    | 483144.744 | 221624.716 | 94.602 |
| P11236    | 483153.669 | 221625.004 | 94.437 |
| P11237    | 483162.589 | 221624.151 | 94.381 |
| P11238    | 483166.031 | 221625.38  | 94.784 |
| P11239    | 483169.473 | 221624.643 | 95.73  |
| P11240    | 483173.209 | 221625.21  | 96.439 |
| P11241    | 483176.403 | 221624.316 | 96.564 |
| P11242    | 483179.463 | 221623.558 | 97.94  |
| P11243    | 483181.039 | 221623.255 | 98.655 |
| P11244    | 483182.202 | 221622.941 | 99.204 |
| P11245    | 483182.992 | 221622.818 | 99.429 |
| P11246    | 483184.425 | 221622.5   | 99.434 |
| P11247    | 483185.175 | 221622.331 | 99.262 |
| P11248    | 483186.396 | 221622.288 | 98.618 |
| P11249    | 483187.716 | 221622.125 | 98.369 |
| P11250    | 483190.702 | 221621.758 | 97.02  |
| P11251    | 483195.287 | 221622.184 | 96.591 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR463     | 517393.275 | 214895.737 | 138.145 |
| GR464     | 517397.986 | 214887.684 | 138.31  |
| GR465     | 517404.748 | 214892.027 | 137.808 |
| GR466     | 517393.881 | 214917.039 | 137.824 |
| GR468     | 526618.716 | 217525.841 | 111.11  |
| GR469     | 526655.446 | 217475.951 | 110.82  |
| GR470     | 526712.825 | 217398.364 | 110.69  |
| GR471     | 526730.854 | 217372.328 | 111.19  |
| GR472     | 526738.008 | 217363.216 | 111.32  |
| GR473     | 526655.804 | 217421.679 | 111.15  |
| GR474     | 526662.368 | 217426.829 | 111.1   |
| GR477     | 526795.249 | 217270.283 | 111.17  |
| GR478     | 526824.475 | 217229.14  | 110.64  |
| GR480     | 524498.807 | 217320.007 | 109.206 |
| GR481     | 524492.163 | 217334.566 | 109.25  |
| GR482     | 524472.881 | 217327.705 | 108.622 |
| GR483     | 524434.579 | 217314.062 | 109.07  |
| GR484     | 524418.121 | 217308.657 | 109.051 |
| GR485     | 524381.757 | 217296.84  | 108.823 |
| GR486     | 524352.271 | 217286.999 | 108.885 |
| GR487     | 524359.596 | 217270.634 | 109.183 |
| GR488     | 524609.513 | 217364.58  | 109.395 |
| GR489     | 524603.051 | 217377.353 | 109.433 |
| GR490     | 524629.903 | 217395.271 | 109.517 |
| GR491     | 524641.968 | 217404.192 | 109.651 |
| GR492     | 524657.076 | 217414.87  | 109.795 |
| GR493     | 524664.424 | 217420.682 | 109.481 |
| GR494     | 524668.845 | 217424.033 | 109.704 |
| GR495     | 524683.552 | 217418.287 | 109.554 |
| GR496     | 524690.512 | 217404.261 | 109.528 |
| GR497     | 524695.461 | 217428.64  | 109.758 |
| GR498     | 524689.757 | 217439.487 | 109.702 |
| GR499     | 524724.257 | 217472.533 | 109.695 |
| GR500     | 524724.676 | 217472.813 | 109.709 |
| GR501     | 524733.231 | 217456.038 | 109.595 |
| GR502     | 524756.255 | 217466.066 | 109.737 |
| GR503     | 524748.687 | 217480.902 | 109.693 |
| GR504     | 524749.955 | 217481.499 | 109.758 |
| GR505     | 524748.874 | 217483.772 | 109.617 |
| GR506     | 524747.755 | 217483.213 | 109.69  |
| GR507     | 524746.003 | 217487.836 | 109.687 |
| GR508     | 524745.444 | 217490.557 | 109.703 |
| GR509     | 524745.817 | 217492.868 | 109.692 |
| GR510     | 524746.712 | 217495.254 | 109.687 |
| GR511     | 524749.638 | 217499.727 | 109.693 |
| GR512     | 524751.278 | 217501.628 | 109.682 |
| GR513     | 524757.019 | 217506.139 | 109.762 |
| GR514     | 524758.51  | 217504.237 | 110.003 |
| GR515     | 524760.411 | 217505.617 | 109.999 |
| GR516     | 524758.92  | 217507.704 | 109.787 |



Inventar de coordonate puncte măsurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11252    | 483200.203 | 221620.463 | 95.093 |
| P11253    | 483212.987 | 221619.48  | 94.681 |
| P11254    | 483225.034 | 221619.48  | 94.674 |
| P11255    | 483237.817 | 221618.988 | 94.751 |
| P11256    | 483129.892 | 221542.408 | 94.5   |
| P11257    | 483136.59  | 221541.667 | 94.405 |
| P11258    | 483143.901 | 221539.048 | 94.312 |
| P11259    | 483152.018 | 221538.721 | 93.998 |
| P11260    | 483157.181 | 221538.721 | 94.569 |
| P11261    | 483164.76  | 221537.714 | 96.782 |
| P11262    | 483167.978 | 221537.862 | 96.953 |
| P11263    | 483171.022 | 221537.542 | 98.377 |
| P11264    | 483172.383 | 221537.198 | 98.846 |
| P11265    | 483173.485 | 221537.122 | 99.392 |
| P11266    | 483174.207 | 221537.089 | 99.581 |
| P11267    | 483175.649 | 221536.925 | 99.579 |
| P11268    | 483176.257 | 221536.807 | 99.379 |
| P11269    | 483177.38  | 221536.592 | 98.765 |
| P11270    | 483179.231 | 221536.443 | 98.385 |
| P11271    | 483181.969 | 221535.639 | 97.29  |
| P11272    | 483187.911 | 221534.541 | 96.203 |
| P11273    | 483191.107 | 221534.787 | 95.253 |
| P11274    | 483197.499 | 221532.82  | 94.422 |
| P11275    | 483202.662 | 221532.574 | 94.42  |
| P11276    | 483104.079 | 221442.719 | 94.316 |
| P11277    | 483115.142 | 221443.456 | 94.265 |
| P11278    | 483124.095 | 221443.523 | 94.301 |
| P11279    | 483130.165 | 221442.322 | 94.252 |
| P11280    | 483138.497 | 221440.752 | 94.02  |
| P11281    | 483147.593 | 221439.523 | 95.12  |
| P11282    | 483153.7   | 221439.691 | 95.718 |
| P11283    | 483156.825 | 221439.139 | 96.065 |
| P11284    | 483161.045 | 221437.369 | 98.83  |
| P11285    | 483162.248 | 221437.162 | 99.036 |
| P11286    | 483163.241 | 221436.865 | 99.591 |
| P11287    | 483163.873 | 221436.541 | 99.768 |
| P11288    | 483165.338 | 221436.176 | 99.774 |
| P11289    | 483165.844 | 221435.994 | 99.569 |
| P11290    | 483166.741 | 221435.768 | 99.068 |
| P11291    | 483169.202 | 221435.472 | 98.459 |
| P11292    | 483172.312 | 221434.59  | 97.506 |
| P11293    | 483177.832 | 221435.835 | 96.188 |
| P11294    | 483181.028 | 221434.852 | 95.524 |
| P11295    | 483184.47  | 221434.852 | 94.807 |
| P11296    | 483189.072 | 221434.125 | 94.426 |
| P11297    | 483189.141 | 221434.114 | 94.42  |
| P11298    | 483112.929 | 221348.93  | 94.237 |
| P11299    | 483126.205 | 221346.717 | 94.171 |
| P11300    | 483129.921 | 221346.241 | 94.229 |
| P11301    | 483136.197 | 221345.056 | 94.66  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR517     | 524763.542 | 217510.127 | 109.877 |
| GR518     | 524769.283 | 217512.587 | 109.899 |
| GR519     | 524769.767 | 217511.432 | 110.019 |
| GR520     | 524772.041 | 217512.14  | 109.992 |
| GR521     | 524771.669 | 217513.333 | 109.97  |
| GR522     | 524775.005 | 217514.302 | 109.918 |
| GR523     | 524780.112 | 217515.383 | 109.921 |
| GR524     | 524783.877 | 217515.756 | 109.872 |
| GR525     | 524789.617 | 217515.644 | 109.868 |
| GR526     | 524794.296 | 217515.197 | 109.765 |
| GR527     | 524797.278 | 217514.712 | 109.745 |
| GR528     | 524803.652 | 217513.296 | 109.509 |
| GR529     | 524803.242 | 217512.289 | 109.509 |
| GR530     | 524810.623 | 217509.829 | 109.398 |
| GR531     | 524810.921 | 217510.724 | 109.434 |
| GR532     | 524818.526 | 217507.406 | 109.575 |
| GR533     | 526893.87  | 217171.044 | 110.21  |
| GR534     | 526890.235 | 217168.047 | 110.41  |
| GR535     | 526885.873 | 217164.433 | 110.42  |
| GR536     | 526856.379 | 217205.362 | 110.34  |
| GR537     | 526850.269 | 217216.412 | 109.68  |
| GR538     | 526842.03  | 217244.197 | 109.65  |
| GR539     | 524510.871 | 217491.181 | 109.159 |
| GR540     | 524548.424 | 217445.918 | 109.274 |
| GR541     | 524560.841 | 217454.144 | 109.445 |
| GR542     | 524573.233 | 217464.458 | 109.617 |
| GR543     | 524538.811 | 217508.916 | 109.208 |
| GR544     | 522894.454 | 217228.092 | 113.224 |
| GR545     | 522896.912 | 217229.003 | 113.34  |
| GR546     | 522905.053 | 217232.512 | 113.328 |
| GR547     | 522924.2   | 217244.401 | 113.268 |
| GR548     | 522943.441 | 217260.58  | 113.429 |
| GR549     | 522962.251 | 217276.043 | 113.402 |
| GR550     | 522959.939 | 217279.392 | 113.484 |
| GR551     | 522951.272 | 217291.602 | 113.333 |
| GR552     | 522947.39  | 217288.914 | 113.104 |
| GR553     | 522937.059 | 217280.847 | 113.138 |
| GR554     | 522927.949 | 217273.669 | 113.091 |
| GR555     | 522915.505 | 217264.216 | 113.111 |
| GR556     | 522907.039 | 217257.606 | 113.021 |
| GR557     | 522893.812 | 217247.076 | 113.002 |
| GR559     | 522892.442 | 217231.726 | 112.969 |
| GR560     | 522888.908 | 217239.579 | 112.96  |
| GR561     | 522885.555 | 217246.648 | 112.965 |
| GR562     | 522884.558 | 217248.842 | 112.865 |
| GR563     | 522879.091 | 217260.757 | 112.755 |
| GR564     | 522874.801 | 217269.495 | 112.753 |
| GR565     | 522866.842 | 217284.113 | 113.656 |
| GR566     | 522882.13  | 217254.135 | 112.894 |
| GR567     | 522887.026 | 217257.382 | 112.905 |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11302    | 483144.986 | 221344.696 | 96      |
| P11303    | 483147.58  | 221344.767 | 96.408  |
| P11304    | 483151.469 | 221343.946 | 99.129  |
| P11305    | 483152.795 | 221343.768 | 99.28   |
| P11306    | 483153.625 | 221343.605 | 99.763  |
| P11307    | 483154.227 | 221343.487 | 99.95   |
| P11308    | 483155.768 | 221343.448 | 99.944  |
| P11309    | 483156.383 | 221343.36  | 99.773  |
| P11310    | 483157.375 | 221343.135 | 99.244  |
| P11311    | 483160.301 | 221342.853 | 98.349  |
| P11312    | 483165.116 | 221342.86  | 97.176  |
| P11313    | 483171.932 | 221341.554 | 95.235  |
| P11314    | 483177.586 | 221340.325 | 94.42   |
| P11315    | 483098.424 | 221265.466 | 94.122  |
| P11316    | 483114.158 | 221266.203 | 94.066  |
| P11317    | 483120.471 | 221265.432 | 94.122  |
| P11318    | 483127.664 | 221265.183 | 94.733  |
| P11319    | 483132.842 | 221264.237 | 96.282  |
| P11320    | 483136.645 | 221262.37  | 97.486  |
| P11321    | 483139.49  | 221261.272 | 97.755  |
| P11322    | 483143.154 | 221261.42  | 99.332  |
| P11323    | 483144.33  | 221261.352 | 99.469  |
| P11324    | 483145.123 | 221261.357 | 99.923  |
| P11325    | 483145.792 | 221261.322 | 100.099 |
| P11326    | 483147.316 | 221261.273 | 100.095 |
| P11327    | 483147.959 | 221261.261 | 99.945  |
| P11328    | 483149.168 | 221261.111 | 99.315  |
| P11329    | 483152.033 | 221260.795 | 98.468  |
| P11330    | 483157.786 | 221260.984 | 97.206  |
| P11331    | 483162.835 | 221261.778 | 95.848  |
| P11332    | 483167.015 | 221261.778 | 94.745  |
| P11333    | 483171.194 | 221264.237 | 94.423  |
| P11334    | 483173.652 | 221272.841 | 94.441  |
| P11335    | 483089.082 | 221226.377 | 94.133  |
| P11336    | 483108.765 | 221226.704 | 94.205  |
| P11337    | 483116.357 | 221225.938 | 94.133  |
| P11338    | 483122.359 | 221226.186 | 94.53   |
| P11339    | 483132.973 | 221224.865 | 97.534  |
| P11340    | 483135.907 | 221224.503 | 97.834  |
| P11341    | 483139.578 | 221225.292 | 99.407  |
| P11342    | 483140.642 | 221225.476 | 99.534  |
| P11343    | 483141.411 | 221225.436 | 99.975  |
| P11344    | 483142.144 | 221225.516 | 100.163 |
| P11345    | 483143.653 | 221225.408 | 100.164 |
| P11346    | 483144.305 | 221225.322 | 100.007 |
| P11347    | 483145.5   | 221225.362 | 99.377  |
| P11348    | 483147.79  | 221225.147 | 98.753  |
| P11349    | 483153.552 | 221224.411 | 97.529  |
| P11350    | 483161.628 | 221224.253 | 95.436  |
| P11351    | 483173.161 | 221222.935 | 94.42   |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GR568     | 522889.446 | 217243.616 | 112.803 |
| GR569     | 522914.721 | 217279.727 | 113.019 |
| GR570     | 522919.159 | 217274.058 | 113.095 |
| GR571     | 522926.046 | 217278.797 | 113.253 |
| GR572     | 522876.444 | 217266.148 | 112.714 |
| GR573     | 522901.084 | 217285.087 | 112.929 |
| GR574     | 522919.74  | 217300.599 | 113.352 |
| GR575     | 522923.174 | 217293.551 | 113.153 |
| GR576     | 522896.873 | 217287.707 | 113.025 |
| GR577     | 522874.362 | 217270.301 | 112.764 |
| GR578     | 522863.501 | 217205.279 | 114.47  |
| GR579     | 522466.815 | 217005.92  | 114.86  |
| GR580     | 522469.007 | 216998.753 | 114.786 |
| GR581     | 522470.192 | 216995.075 | 114.823 |
| GR582     | 522471.28  | 216991.069 | 114.775 |
| GR583     | 522472.329 | 216987.844 | 114.842 |
| GR584     | 522477.155 | 216989.191 | 114.826 |
| GR585     | 522482.099 | 216990.725 | 114.842 |
| GR586     | 522484.542 | 216991.304 | 114.762 |
| GR587     | 522487.972 | 216992.344 | 114.885 |
| GR588     | 522492.977 | 216993.757 | 114.86  |
| GR589     | 522496.631 | 216994.916 | 114.806 |
| GR590     | 522499.94  | 216995.616 | 114.928 |
| GR591     | 522503.776 | 216996.92  | 114.815 |
| GR592     | 522510.52  | 216999.387 | 114.657 |
| GR593     | 522515.043 | 217001.079 | 114.567 |
| GR594     | 522521.679 | 217003.591 | 114.575 |
| GR595     | 522534.218 | 217008.394 | 114.637 |
| GR596     | 522545.033 | 217012.422 | 114.8   |
| GR597     | 522546.663 | 217013.078 | 114.957 |
| GR598     | 522565.463 | 217020.044 | 114.66  |
| GR599     | 522561.144 | 217031.321 | 114.857 |
| GR600     | 522517.09  | 217084.08  | 114.324 |
| GR601     | 522512.679 | 217096.223 | 114.16  |
| GR602     | 522514.977 | 217096.902 | 114.112 |
| GR603     | 522503.748 | 217132.314 | 114.368 |
| P1        | 510903.668 | 207725.077 | 111.24  |
| P2        | 510903.64  | 207725.117 | 111.441 |
| P3        | 514142.73  | 212500.272 | 124.49  |
| P4        | 514144.218 | 212501.87  | 125.73  |
| P5        | 514144.2   | 212501.906 | 125.98  |
| P6        | 514140.574 | 212497.876 | 126     |
| P7        | 514142.017 | 212499.48  | 124.46  |
| P8        | 514126.301 | 212515.61  | 124.76  |
| P9        | 514127.65  | 212517.055 | 125.65  |
| P10       | 514127.607 | 212517.063 | 125.97  |
| P11       | 514124.067 | 212513.122 | 125.97  |
| P12       | 514125.6   | 212514.829 | 124.769 |
| P13       | 514125.954 | 212515.225 | 125.502 |
| P14       | 514142.359 | 212499.861 | 125.212 |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11352    | 483073.348 | 221104.807 | 94.122  |
| P11353    | 483083.674 | 221104.807 | 94.196  |
| P11354    | 483109.937 | 221103.083 | 95.395  |
| P11355    | 483115.044 | 221102.72  | 95.564  |
| P11356    | 483120.879 | 221104.002 | 98.08   |
| P11357    | 483124.059 | 221104.17  | 98.346  |
| P11358    | 483127.226 | 221104.124 | 99.475  |
| P11359    | 483128.174 | 221104.191 | 99.752  |
| P11360    | 483128.966 | 221104.214 | 100.215 |
| P11361    | 483129.671 | 221104.265 | 100.443 |
| P11362    | 483131.225 | 221104.414 | 100.446 |
| P11363    | 483131.889 | 221104.433 | 100.258 |
| P11364    | 483132.853 | 221104.414 | 99.671  |
| P11365    | 483137.165 | 221103.986 | 99.279  |
| P11366    | 483141.762 | 221103.503 | 99.155  |
| P11367    | 483146.61  | 221103.086 | 96.913  |
| P11368    | 483151.772 | 221105.053 | 96.572  |
| P11369    | 483157.918 | 221104.07  | 96.832  |
| P11370    | 483169.965 | 221102.103 | 97.981  |
| P11371    | 483182.011 | 221101.12  | 99.043  |
| P11372    | 483191.353 | 221100.874 | 99.713  |
| P11373    | 483065.727 | 221027.981 | 95.989  |
| P11374    | 483078.265 | 221027.244 | 96.182  |
| P11375    | 483089.082 | 221023.065 | 96.89   |
| P11376    | 483093.26  | 221019.726 | 96.646  |
| P11377    | 483098.345 | 221019.179 | 96.773  |
| P11378    | 483105.554 | 221019.131 | 98.241  |
| P11379    | 483110.183 | 221017.177 | 98.735  |
| P11380    | 483114.557 | 221016.587 | 98.896  |
| P11381    | 483118.094 | 221016.973 | 99.396  |
| P11382    | 483119.199 | 221016.842 | 100.033 |
| P11383    | 483120.042 | 221016.728 | 100.502 |
| P11384    | 483120.723 | 221016.65  | 100.698 |
| P11385    | 483122.206 | 221016.499 | 100.703 |
| P11386    | 483122.958 | 221016.42  | 100.547 |
| P11387    | 483123.83  | 221016.307 | 100.026 |
| P11388    | 483125.778 | 221016.34  | 99.732  |
| P11389    | 483126.282 | 221016.283 | 99.248  |
| P11390    | 483126.758 | 221016.28  | 99.242  |
| P11391    | 483127.244 | 221016.257 | 99.723  |
| P11392    | 483136.381 | 221016.664 | 100.125 |
| P11393    | 483139.972 | 221016.427 | 100.731 |
| P11394    | 483152.51  | 221015.198 | 100.846 |
| P11395    | 483165.54  | 221013.968 | 100.859 |
| P11396    | 483169.719 | 221013.968 | 100.851 |
| P11397    | 483047.043 | 220948.205 | 97.26   |
| P11398    | 483059.335 | 220948.697 | 97.622  |
| P11399    | 483066.956 | 220946.484 | 97.292  |
| P11400    | 483084.238 | 220942.848 | 97.467  |
| P11401    | 483087.081 | 220943.067 | 97.521  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P15       | 515547.566 | 214034.685 | 126.18  |
| P16       | 515547.815 | 214034.912 | 126.18  |
| P17       | 515547.819 | 214034.878 | 127.37  |
| P18       | 515547.57  | 214034.651 | 127.37  |
| P19       | 515545.304 | 214032.435 | 127.28  |
| P20       | 515545.409 | 214032.357 | 126.24  |
| P21       | 515545.129 | 214031.95  | 126.24  |
| P22       | 515544.992 | 214032.035 | 127.3   |
| P23       | 515542.595 | 214034.747 | 129.29  |
| P24       | 515545.06  | 214037.502 | 125.838 |
| P25       | 515545.245 | 214037.059 | 129.28  |
| P26       | 515543.01  | 214034.676 | 129.28  |
| P27       | 515543.029 | 214034.849 | 125.86  |
| P28       | 515545.146 | 214036.96  | 125.88  |
| P29       | 515545.395 | 214037.187 | 125.88  |
| P30       | 515530.302 | 214045.182 | 131.64  |
| P31       | 515533.6   | 214048.665 | 131.63  |
| P32       | 515533.179 | 214048.706 | 131.6   |
| P33       | 515530.115 | 214045.629 | 131.65  |
| P34       | 515533.114 | 214048.743 | 128.38  |
| P35       | 515530.216 | 214045.708 | 128.3   |
| P36       | 515525.998 | 214050.15  | 131.48  |
| P37       | 515529.265 | 214052.609 | 128.37  |
| P38       | 515529.369 | 214052.855 | 131.21  |
| P39       | 515529.223 | 214052.658 | 131.2   |
| P40       | 515525.743 | 214049.983 | 131.48  |
| P41       | 515525.785 | 214049.934 | 128.65  |
| P42       | 515526.04  | 214050.101 | 128.65  |
| P43       | 515529.439 | 214052.785 | 128.381 |
| P44       | 515892.557 | 214310.42  | 119.84  |
| P45       | 515893.16  | 214310.104 | 120.27  |
| P46       | 515892.937 | 214310.596 | 120.34  |
| P47       | 515892.941 | 214310.637 | 121.76  |
| P48       | 515890.946 | 214314.487 | 124.32  |
| P49       | 515890.541 | 214314.354 | 124.31  |
| P50       | 515892.536 | 214310.504 | 121.75  |
| P51       | 515890.628 | 214314.293 | 122.74  |
| P52       | 515890.624 | 214314.35  | 119.83  |
| P53       | 515888.894 | 214313.556 | 119.83  |
| P54       | 515888.898 | 214313.499 | 122.86  |
| P55       | 515889.64  | 214308.975 | 120.1   |
| P56       | 515889.985 | 214309.003 | 120.108 |
| P57       | 515888.605 | 214313.273 | 124.32  |
| P58       | 515874.097 | 214342.758 | 120.22  |
| P59       | 515872.505 | 214342.059 | 122.04  |
| P60       | 515870.656 | 214339.511 | 124.32  |
| P61       | 515873.295 | 214340.526 | 124.42  |
| P62       | 515874.76  | 214341.301 | 124.42  |
| P63       | 515876.453 | 214342.108 | 124.39  |
| P64       | 515877.995 | 214342.961 | 124.34  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11402    | 483091.049 | 220947.468 | 97.654  |
| P11403    | 483095.966 | 220946.484 | 98.49   |
| P11404    | 483101.106 | 220945.548 | 98.316  |
| P11405    | 483105.043 | 220943.592 | 98.369  |
| P11406    | 483110.47  | 220944.212 | 99.331  |
| P11407    | 483111.655 | 220944.724 | 100.226 |
| P11408    | 483112.668 | 220944.803 | 100.751 |
| P11409    | 483113.394 | 220944.796 | 100.92  |
| P11410    | 483114.832 | 220944.746 | 100.93  |
| P11411    | 483115.707 | 220944.765 | 100.778 |
| P11412    | 483116.775 | 220944.814 | 100.244 |
| P11413    | 483118.526 | 220944.6   | 99.718  |
| P11414    | 483119.062 | 220944.52  | 99.225  |
| P11415    | 483119.492 | 220944.493 | 99.215  |
| P11416    | 483119.98  | 220944.425 | 99.692  |
| P11417    | 483123.5   | 220944.272 | 100.145 |
| P11418    | 483129.377 | 220942.741 | 99.294  |
| P11419    | 483134.072 | 220941.813 | 99.584  |
| P11420    | 483143.414 | 220942.059 | 99.369  |
| P11421    | 483155.214 | 220942.059 | 99.286  |
| P11422    | 483159.148 | 220941.813 | 99.184  |
| P11423    | 483044.585 | 220932.225 | 97.576  |
| P11424    | 483058.352 | 220924.604 | 99.205  |
| P11425    | 483064.006 | 220915.016 | 98.57   |
| P11426    | 483068.163 | 220912.69  | 98.38   |
| P11427    | 483081.707 | 220909.608 | 97.867  |
| P11428    | 483091.541 | 220904.937 | 97.37   |
| P11429    | 483094.215 | 220905.605 | 97.541  |
| P11430    | 483097.036 | 220905.933 | 97.392  |
| P11431    | 483099.858 | 220906.105 | 97.471  |
| P11432    | 483103.525 | 220906.056 | 98.484  |
| P11433    | 483106.468 | 220906.017 | 99.297  |
| P11434    | 483107.505 | 220905.988 | 100.245 |
| P11435    | 483108.664 | 220906.024 | 100.864 |
| P11436    | 483109.375 | 220905.99  | 101.046 |
| P11437    | 483110.812 | 220905.992 | 101.055 |
| P11438    | 483111.697 | 220905.875 | 100.864 |
| P11439    | 483112.964 | 220905.842 | 100.276 |
| P11440    | 483117.493 | 220903.647 | 99.245  |
| P11441    | 483124.975 | 220900.02  | 97.542  |
| P11442    | 483140.955 | 220898.053 | 97.67   |
| P11443    | 483152.264 | 220896.087 | 97.606  |
| P11444    | 483051.468 | 220849.499 | 99.196  |
| P11445    | 483067.448 | 220850.483 | 99.013  |
| P11446    | 483078.511 | 220850.237 | 99.091  |
| P11447    | 483087.116 | 220850.483 | 99.056  |
| P11448    | 483092.62  | 220851.424 | 99.026  |
| P11449    | 483095.529 | 220851.31  | 99      |
| P11450    | 483097.94  | 220851.417 | 99.425  |
| P11451    | 483098.144 | 220851.421 | 99.424  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P65       | 515880.398 | 214344.255 | 124.35  |
| P66       | 515872.581 | 214342.083 | 124.32  |
| P67       | 515874.099 | 214342.641 | 124.27  |
| P68       | 515875.794 | 214343.668 | 124.29  |
| P69       | 515877.245 | 214344.466 | 124.36  |
| P70       | 515878.037 | 214342.956 | 121.61  |
| P71       | 515877.164 | 214344.504 | 121.61  |
| P72       | 515875.673 | 214343.656 | 120.29  |
| P73       | 515874.806 | 214341.469 | 122.727 |
| P74       | 515874.805 | 214341.521 | 119.96  |
| P75       | 515870.669 | 214339.565 | 123.66  |
| P76       | 515876.423 | 214342.156 | 119.96  |
| P77       | 515879.648 | 214345.76  | 123.59  |
| P78       | 520452.398 | 216195.754 | 122.07  |
| P79       | 520451.203 | 216198.531 | 123.37  |
| P80       | 520451.382 | 216198.993 | 123.39  |
| P81       | 520451.52  | 216198.58  | 123.37  |
| P82       | 520452.646 | 216195.865 | 122.07  |
| P83       | 520451.012 | 216199.102 | 123.36  |
| P84       | 520454.406 | 216200.437 | 123.34  |
| P85       | 520454.645 | 216199.851 | 123.35  |
| P86       | 520455.696 | 216197.214 | 122.25  |
| P87       | 520455.47  | 216197.029 | 122.25  |
| P88       | 520454.352 | 216199.747 | 123.36  |
| P89       | 520454.247 | 216200.104 | 123.37  |
| P90       | 520454.207 | 216200.055 | 120.62  |
| P91       | 520452.102 | 216205.978 | 123.35  |
| P92       | 520448.69  | 216204.465 | 123.32  |
| P93       | 520448.499 | 216204.869 | 123.3   |
| P94       | 520446.715 | 216208.957 | 121.95  |
| P95       | 520446.46  | 216209.541 | 121.92  |
| P96       | 520449.94  | 216211.028 | 122.01  |
| P97       | 520450.223 | 216210.359 | 121.94  |
| P98       | 520451.906 | 216206.374 | 123.32  |
| P99       | 520451.699 | 216206.055 | 123.34  |
| P100      | 520451.594 | 216206.282 | 123.32  |
| P101      | 520449.806 | 216210.162 | 121.94  |
| P102      | 520448.854 | 216204.809 | 123.32  |
| P103      | 520448.755 | 216204.973 | 123.33  |
| P104      | 520446.951 | 216209.038 | 121.95  |
| P105      | 520449.521 | 216205.101 | 121.07  |
| P106      | 520452.038 | 216199.234 | 120.63  |
| P107      | 520453.548 | 216199.796 | 120.66  |
| P108      | 520451.129 | 216205.805 | 121.08  |
| P109      | 520450.27  | 216205.429 | 122.268 |
| P110      | 520452.773 | 216199.508 | 122.045 |
| P111      | 520449.512 | 216210.845 | 121.999 |
| P112      | 520446.694 | 216209.641 | 121.926 |
| P113      | 521540.044 | 216659.191 | 114.57  |
| P114      | 521541.132 | 216656.619 | 116.71  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11452    | 483098.688 | 220851.396 | 98.95   |
| P11453    | 483099.077 | 220851.336 | 98.954  |
| P11454    | 483099.604 | 220851.29  | 99.444  |
| P11455    | 483099.831 | 220851.275 | 99.445  |
| P11456    | 483100.527 | 220851.002 | 99.719  |
| P11457    | 483101.414 | 220850.795 | 100.143 |
| P11458    | 483101.74  | 220850.74  | 100.367 |
| P11459    | 483102.889 | 220850.191 | 101.002 |
| P11460    | 483103.584 | 220849.775 | 101.19  |
| P11461    | 483104.943 | 220848.974 | 101.2   |
| P11462    | 483105.791 | 220848.557 | 100.969 |
| P11463    | 483107.015 | 220847.706 | 100.436 |
| P11464    | 483108.484 | 220845.178 | 99.48   |
| P11465    | 483108.764 | 220845.181 | 99.49   |
| P11466    | 483109.254 | 220845.069 | 98.99   |
| P11467    | 483109.731 | 220845.051 | 98.98   |
| P11468    | 483110.321 | 220845.075 | 99.45   |
| P11469    | 483110.478 | 220844.998 | 99.44   |
| P11470    | 483116.863 | 220843.599 | 99.834  |
| P11471    | 483125.221 | 220843.107 | 99.758  |
| P11472    | 483133.088 | 220842.616 | 99.855  |
| P11473    | 483145.38  | 220841.878 | 100.211 |
| P11474    | 483062.04  | 220810.164 | 100.273 |
| P11475    | 483072.119 | 220809.673 | 100.251 |
| P11476    | 483079.249 | 220809.673 | 100.174 |
| P11477    | 483087.116 | 220809.427 | 100.364 |
| P11478    | 483089.094 | 220809.25  | 100.193 |
| P11479    | 483091.991 | 220808.945 | 100.223 |
| P11480    | 483093.904 | 220809.708 | 99.921  |
| P11481    | 483094.669 | 220809.716 | 99.447  |
| P11482    | 483095.112 | 220809.759 | 99.435  |
| P11483    | 483095.815 | 220809.718 | 99.887  |
| P11484    | 483097.577 | 220809.645 | 100.533 |
| P11485    | 483098.691 | 220809.667 | 101.081 |
| P11486    | 483099.471 | 220809.611 | 101.265 |
| P11487    | 483100.935 | 220809.701 | 101.272 |
| P11488    | 483101.77  | 220809.505 | 101.025 |
| P11489    | 483102.881 | 220809.111 | 100.622 |
| P11490    | 483104.801 | 220808.663 | 99.78   |
| P11491    | 483105.05  | 220808.619 | 99.79   |
| P11492    | 483105.482 | 220808.544 | 99.31   |
| P11493    | 483105.993 | 220808.489 | 99.31   |
| P11494    | 483106.557 | 220808.554 | 99.79   |
| P11495    | 483106.851 | 220808.64  | 99.77   |
| P11496    | 483114.896 | 220807.214 | 100.265 |
| P11497    | 483118.56  | 220805.97  | 100.93  |
| P11498    | 483056.631 | 220751.777 | 100.068 |
| P11499    | 483066.465 | 220751.531 | 100.067 |
| P11500    | 483073.84  | 220751.777 | 100.34  |
| P11501    | 483081.744 | 220751.106 | 100.266 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P115      | 521541.522 | 216655.699 | 116.65  |
| P116      | 521537.803 | 216654.156 | 116.65  |
| P117      | 521537.441 | 216654.979 | 116.62  |
| P118      | 521536.413 | 216657.646 | 114.78  |
| P119      | 521538     | 216654.908 | 114.19  |
| P120      | 521540.759 | 216656.048 | 114.16  |
| P121      | 521543.155 | 216641.676 | 114.15  |
| P122      | 521536.866 | 216657.878 | 114.25  |
| P123      | 521539.648 | 216659.014 | 114.88  |
| P124      | 521542.827 | 216641.738 | 116.23  |
| P125      | 521543.952 | 216639.143 | 114.027 |
| P126      | 521546.268 | 216643.047 | 114.02  |
| P127      | 521540.322 | 216655.867 | 114.14  |
| P128      | 521540.619 | 216656.422 | 116.68  |
| P129      | 521537.889 | 216655.198 | 116.63  |
| P130      | 521538.418 | 216655.081 | 114.11  |
| P131      | 521543.87  | 216641.991 | 114     |
| P132      | 521545.093 | 216642.53  | 115.765 |
| P133      | 521539.347 | 216655.465 | 115.825 |
| P134      | 521545.352 | 216635.912 | 113.875 |
| P135      | 521547.213 | 216643.666 | 116.18  |
| P136      | 521549.663 | 216638.173 | 113.892 |
| P137      | 521549.429 | 216638.051 | 113.891 |
| P138      | 521547.062 | 216643.397 | 114.13  |
| P139      | 521548.198 | 216641.544 | 114.39  |
| P140      | 521547.51  | 216643.027 | 116.21  |
| P141      | 521543.103 | 216641.138 | 116.25  |
| P142      | 521543.892 | 216639.28  | 114.34  |
| P143      | 521547.97  | 216641.414 | 114.39  |
| P144      | 521547.295 | 216642.925 | 116.19  |
| P145      | 521543.355 | 216641.215 | 116.24  |
| P146      | 521544.145 | 216639.39  | 114.33  |
| P147      | 521545.591 | 216636.037 | 114.18  |
| P148      | 510909.532 | 207718.536 | 110.65  |
| P149      | 510909.937 | 207718.773 | 111.35  |
| P150      | 510909.557 | 207718.553 | 111.32  |
| P151      | 510909.212 | 207718.255 | 111.35  |
| P152      | 510909.123 | 207718.286 | 110.64  |
| P153      | 510908.871 | 207717.935 | 111.33  |
| P154      | 510910.315 | 207719.888 | 112.13  |
| P155      | 510908.945 | 207718.937 | 112.36  |
| P156      | 510907.755 | 207718.281 | 112.39  |
| P157      | 510908.93  | 207716.547 | 111.36  |
| P158      | 510909.204 | 207717.259 | 110.93  |
| P159      | 510910.441 | 207718.142 | 111.05  |
| P160      | 510911.512 | 207718.068 | 111.37  |
| P161      | 510903.995 | 207725.266 | 111.253 |
| P162      | 510903.337 | 207725.73  | 110.45  |
| P163      | 510902.653 | 207726.351 | 110.4   |
| P164      | 510904.898 | 207725.843 | 111.47  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11502    | 483085.458 | 220750.265 | 100.298 |
| P11503    | 483087.116 | 220750.302 | 100.434 |
| P11504    | 483091.552 | 220750.168 | 100.774 |
| P11505    | 483092.523 | 220750.133 | 101.198 |
| P11506    | 483093.376 | 220750.087 | 101.376 |
| P11507    | 483094.866 | 220750.235 | 101.38  |
| P11508    | 483095.671 | 220750.257 | 101.108 |
| P11509    | 483096.566 | 220750.163 | 100.907 |
| P11510    | 483120.304 | 220744.893 | 100.439 |
| P11511    | 483128.907 | 220743.894 | 101.126 |
| P11512    | 483137.094 | 220741.621 | 101.123 |
| P11513    | 483145.156 | 220738.192 | 100.406 |
| P11514    | 483146.997 | 220737.279 | 99.597  |
| P11515    | 483149.417 | 220735.848 | 100.411 |
| P11516    | 483044.585 | 220708.262 | 99.928  |
| P11517    | 483052.698 | 220709     | 100.077 |
| P11518    | 483062.72  | 220711.831 | 100.17  |
| P11519    | 483067.616 | 220713.859 | 100.149 |
| P11520    | 483088.488 | 220719.916 | 100.896 |
| P11521    | 483089.369 | 220719.699 | 101.257 |
| P11522    | 483090.178 | 220718.862 | 101.434 |
| P11523    | 483091.619 | 220718.417 | 101.438 |
| P11524    | 483092.339 | 220717.898 | 101.154 |
| P11525    | 483093.037 | 220717.221 | 101.066 |
| P11526    | 483098.67  | 220708.262 | 100.847 |
| P11527    | 483104.145 | 220703.271 | 101.118 |
| P11528    | 483109.114 | 220699.075 | 101.328 |
| P11529    | 483115.396 | 220692.544 | 100.149 |
| P11530    | 483118.245 | 220690.996 | 99.553  |
| P11531    | 483120.119 | 220686.641 | 100.016 |
| P11532    | 483039.422 | 220627.749 | 100.409 |
| P11533    | 483047.549 | 220627.55  | 100.957 |
| P11534    | 483065.048 | 220624.039 | 100.991 |
| P11535    | 483072.119 | 220624.061 | 100.294 |
| P11536    | 483074.007 | 220624.355 | 101.105 |
| P11537    | 483077.207 | 220624.887 | 101.314 |
| P11538    | 483078.898 | 220624.703 | 101.076 |
| P11539    | 483079.661 | 220624.554 | 101.405 |
| P11540    | 483080.523 | 220624.506 | 101.568 |
| P11541    | 483082.003 | 220624.46  | 101.571 |
| P11542    | 483082.704 | 220624.307 | 101.287 |
| P11543    | 483083.276 | 220624.221 | 101.234 |
| P11544    | 483083.97  | 220624.249 | 100.976 |
| P11545    | 483087.908 | 220623.893 | 100.788 |
| P11546    | 483094.983 | 220622.832 | 100.145 |
| P11547    | 483101.375 | 220620.277 | 99.407  |
| P11548    | 483104.405 | 220619.104 | 99.117  |
| P11549    | 483106.858 | 220618.938 | 99.725  |
| P11550    | 483115.879 | 220619.144 | 100.375 |
| P11551    | 483131.613 | 220618.407 | 100.39  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P165      | 510904.931 | 207725.807 | 111.29  |
| P166      | 510904.536 | 207725.579 | 111.274 |
| P167      | 510904.561 | 207726.622 | 110.41  |
| P168      | 510904.094 | 207727.449 | 110.56  |
| P169      | 510905.995 | 207725.719 | 112.026 |
| P170      | 510904.597 | 207724.81  | 112.26  |
| P171      | 510903.541 | 207723.956 | 112.295 |
| P172      | 511422.392 | 208193.46  | 115.37  |
| P173      | 511420.623 | 208191.651 | 115.6   |
| P174      | 511420.589 | 208191.643 | 115.37  |
| P175      | 511422.548 | 208192.666 | 114.07  |
| P176      | 511421.541 | 208191.417 | 114.09  |
| P177      | 511421.142 | 208192.221 | 113.87  |
| P178      | 511421.976 | 208190.287 | 114.48  |
| P179      | 511421.659 | 208190.249 | 115.14  |
| P180      | 511423.55  | 208192.822 | 115.08  |
| P181      | 511423.716 | 208192.485 | 114.44  |
| P182      | 511421.895 | 208192.959 | 113.82  |
| P183      | 511414.889 | 208195.637 | 115.37  |
| P184      | 511414.876 | 208195.548 | 115.58  |
| P185      | 511418.019 | 208199.237 | 115.57  |
| P186      | 511417.995 | 208199.208 | 115.36  |
| P187      | 511416.772 | 208197.602 | 114.3   |
| P188      | 511416.707 | 208197.515 | 113.51  |
| P189      | 511415.852 | 208196.521 | 114.28  |
| P190      | 511416.027 | 208196.759 | 113.61  |
| P191      | 511415.242 | 208199.207 | 113.32  |
| P192      | 511415.343 | 208199.287 | 113.9   |
| P193      | 511414.121 | 208197.941 | 113.64  |
| P194      | 511416.303 | 208197.241 | 114.856 |
| P195      | 511421.509 | 208192.685 | 114.866 |
| P196      | 511626.747 | 208435.863 | 114.93  |
| P197      | 511627.135 | 208436.449 | 115.34  |
| P198      | 511627.185 | 208436.523 | 114.9   |
| P199      | 511627.362 | 208436.784 | 115.49  |
| P200      | 511626.506 | 208435.522 | 115.52  |
| P201      | 511626.688 | 208435.779 | 114.93  |
| P202      | 511624.858 | 208436.425 | 115.1   |
| P203      | 511625.003 | 208436.41  | 114.82  |
| P204      | 511626.066 | 208437.843 | 114.85  |
| P205      | 511626.182 | 208437.883 | 115.12  |
| P206      | 511637.306 | 208430.497 | 116.42  |
| P207      | 511636.257 | 208429.194 | 115.88  |
| P208      | 511636.158 | 208429.1   | 115.63  |
| P209      | 511635.356 | 208428.19  | 115.63  |
| P210      | 511635.118 | 208427.788 | 116.08  |
| P211      | 511635.664 | 208426.586 | 116.12  |
| P212      | 511636.079 | 208426.769 | 115.29  |
| P213      | 511637.66  | 208428.736 | 115.86  |
| P214      | 511637.828 | 208428.27  | 115.24  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11552    | 483127.926 | 220575.753 | 100.562 |
| P11553    | 483111.946 | 220577.474 | 100.391 |
| P11554    | 483106.33  | 220579.15  | 100.65  |
| P11555    | 483102.266 | 220580.472 | 100.017 |
| P11556    | 483099.544 | 220581.517 | 99.185  |
| P11557    | 483096.997 | 220581.754 | 99.353  |
| P11558    | 483092.032 | 220578.949 | 100.526 |
| P11559    | 483085.344 | 220579.192 | 100.547 |
| P11560    | 483083.877 | 220579.291 | 100.251 |
| P11561    | 483082.785 | 220579.578 | 100.711 |
| P11562    | 483079.572 | 220580.342 | 100.833 |
| P11563    | 483078.862 | 220580.459 | 101.064 |
| P11564    | 483078.206 | 220580.621 | 101.349 |
| P11565    | 483077.502 | 220580.711 | 101.601 |
| P11566    | 483076.071 | 220580.948 | 101.593 |
| P11567    | 483075.355 | 220581.062 | 101.438 |
| P11568    | 483074.567 | 220581.205 | 100.977 |
| P11569    | 483072.893 | 220581.476 | 101.144 |
| P11570    | 483069.242 | 220581.907 | 100.51  |
| P11571    | 483065.236 | 220581.899 | 100.353 |
| P11572    | 483059.872 | 220582.46  | 100.513 |
| P11573    | 483053.119 | 220583.474 | 100.619 |
| P11574    | 483046.551 | 220584.112 | 99.991  |
| P11575    | 483038.93  | 220584.112 | 99.998  |
| P11576    | 483024.777 | 220584.499 | 100.732 |
| P11577    | 483016.72  | 220587.783 | 100.807 |
| P11578    | 483024.671 | 220514.538 | 100.245 |
| P11579    | 483036.226 | 220512.817 | 100.193 |
| P11580    | 483044.912 | 220515.549 | 100.131 |
| P11581    | 483050.754 | 220513.432 | 100.195 |
| P11582    | 483058.106 | 220510.604 | 100.448 |
| P11583    | 483061.312 | 220510.524 | 100.192 |
| P11584    | 483065.857 | 220510.681 | 100.866 |
| P11585    | 483067.435 | 220510.723 | 100.981 |
| P11586    | 483068.2   | 220510.742 | 101.435 |
| P11587    | 483068.858 | 220510.749 | 101.59  |
| P11588    | 483070.295 | 220510.626 | 101.59  |
| P11589    | 483071.028 | 220510.605 | 101.375 |
| P11590    | 483071.698 | 220510.611 | 100.985 |
| P11591    | 483073.137 | 220510.539 | 100.734 |
| P11592    | 483074.928 | 220510.441 | 100.76  |
| P11593    | 483076.265 | 220510.234 | 100.312 |
| P11594    | 483078.199 | 220510.106 | 100.395 |
| P11595    | 483084.903 | 220509.621 | 100.661 |
| P11596    | 483089.313 | 220506.499 | 99.93   |
| P11597    | 483091.548 | 220505.853 | 99.302  |
| P11598    | 483094.045 | 220506.188 | 100.3   |
| P11599    | 483102.358 | 220507.408 | 100.563 |
| P11600    | 483115.142 | 220505.933 | 100.502 |
| P11601    | 483125.959 | 220504.704 | 100.619 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P215      | 511635.947 | 208428.857 | 115.154 |
| P216      | 511635.588 | 208428.44  | 115.167 |
| P217      | 511635.533 | 208428.38  | 115.166 |
| P218      | 511636     | 208428.917 | 115.156 |
| P219      | 511834.699 | 208651.574 | 117.49  |
| P220      | 511834.967 | 208651.898 | 117.49  |
| P221      | 511834.979 | 208652.029 | 117.98  |
| P222      | 511835.207 | 208652.694 | 118.07  |
| P223      | 511833.175 | 208650.414 | 118.07  |
| P224      | 511833.986 | 208650.83  | 117.98  |
| P225      | 511834.113 | 208650.866 | 117.66  |
| P226      | 511834.381 | 208651.189 | 117.49  |
| P227      | 511836.583 | 208650.987 | 117.32  |
| P228      | 511834.821 | 208649.633 | 117.61  |
| P229      | 511834.887 | 208649.569 | 117.34  |
| P230      | 511825.778 | 208657.001 | 117.62  |
| P231      | 511826.085 | 208656.706 | 117.84  |
| P232      | 511826.656 | 208657.977 | 116.2   |
| P233      | 511828.181 | 208659.646 | 117.61  |
| P234      | 511827.076 | 208658.423 | 117.38  |
| P235      | 511825.739 | 208658.179 | 116.36  |
| P236      | 511824.775 | 208658.093 | 116.43  |
| P237      | 511824.402 | 208658.308 | 116.655 |
| P238      | 511826.815 | 208660.509 | 116.59  |
| P239      | 511826.728 | 208659.564 | 116.21  |
| P240      | 511828.524 | 208659.303 | 118.27  |
| P241      | 511834.694 | 208649.597 | 117.61  |
| P242      | 511834.76  | 208649.533 | 117.34  |
| P243      | 511836.595 | 208651.118 | 117.32  |
| P244      | 513957.138 | 212325.092 | 126.93  |
| P245      | 513956.91  | 212325.013 | 127.06  |
| P246      | 513955.853 | 212323.748 | 127.93  |
| P247      | 513958.384 | 212326.428 | 128.19  |
| P248      | 513957.877 | 212325.829 | 126.93  |
| P249      | 513968.491 | 212315.009 | 127.18  |
| P250      | 513967.468 | 212313.882 | 127.98  |
| P251      | 513970.244 | 212316.942 | 128.28  |
| P252      | 513970.242 | 212316.903 | 127.94  |
| P253      | 513969.541 | 212316.159 | 127.32  |
| P254      | 513969.063 | 212315.64  | 127.18  |
| P255      | 513968.777 | 212315.325 | 127.542 |
| P256      | 513957.508 | 212325.461 | 127.509 |
| P257      | 508410.244 | 205419.524 | 102.06  |
| P258      | 508408.188 | 205417.883 | 103.35  |
| P259      | 508408.211 | 205417.849 | 103.88  |
| P260      | 508413.334 | 205421.669 | 103.88  |
| P261      | 508413.282 | 205421.63  | 103.56  |
| P262      | 508411.443 | 205420.379 | 102.06  |
| P263      | 508419.339 | 205409.438 | 102.27  |
| P264      | 508419.381 | 205409.466 | 102.49  |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11602    | 483021.721 | 220445.333 | 100.22  |
| P11603    | 483027.376 | 220446.316 | 100.213 |
| P11604    | 483033.926 | 220445.787 | 100.173 |
| P11605    | 483040.155 | 220445.552 | 100.137 |
| P11606    | 483048.518 | 220443.858 | 100.483 |
| P11607    | 483052.259 | 220443.417 | 100.212 |
| P11608    | 483058.337 | 220442.188 | 100.525 |
| P11609    | 483060.341 | 220442.093 | 100.998 |
| P11610    | 483061.147 | 220442.058 | 101.401 |
| P11611    | 483061.785 | 220442.009 | 101.575 |
| P11612    | 483063.251 | 220441.948 | 101.565 |
| P11613    | 483063.97  | 220441.984 | 101.362 |
| P11614    | 483064.68  | 220442.078 | 100.969 |
| P11615    | 483066.602 | 220442.215 | 100.756 |
| P11616    | 483068.027 | 220442.443 | 100.692 |
| P11617    | 483069.48  | 220442.482 | 100.298 |
| P11618    | 483071.836 | 220442.139 | 100.236 |
| P11619    | 483077.282 | 220441.154 | 100.598 |
| P11620    | 483082.337 | 220439.847 | 100.301 |
| P11621    | 483084.502 | 220439.465 | 99.355  |
| P11622    | 483086.706 | 220439.061 | 100.178 |
| P11623    | 483095.228 | 220437.712 | 100.476 |
| P11624    | 483105.554 | 220436.729 | 100.467 |
| P11625    | 483015.821 | 220405.138 | 99.979  |
| P11626    | 483029.049 | 220407.634 | 100.014 |
| P11627    | 483035.197 | 220406.843 | 100.077 |
| P11628    | 483040.651 | 220407.104 | 100.373 |
| P11629    | 483045.993 | 220406.766 | 100.121 |
| P11630    | 483053.622 | 220404.27  | 100.279 |
| P11631    | 483056.341 | 220403.914 | 100.929 |
| P11632    | 483057.288 | 220403.951 | 101.388 |
| P11633    | 483057.881 | 220403.935 | 101.581 |
| P11634    | 483059.356 | 220403.838 | 101.571 |
| P11635    | 483060.008 | 220403.796 | 101.365 |
| P11636    | 483060.829 | 220403.735 | 100.9   |
| P11637    | 483062.386 | 220403.475 | 100.791 |
| P11638    | 483064.042 | 220403.173 | 100.653 |
| P11639    | 483065.836 | 220402.449 | 99.959  |
| P11640    | 483068.038 | 220401.575 | 100.141 |
| P11641    | 483074.332 | 220400.467 | 100.336 |
| P11642    | 483078.206 | 220400.828 | 100.066 |
| P11643    | 483080.619 | 220401.042 | 99.361  |
| P11644    | 483083.139 | 220400.79  | 99.983  |
| P11645    | 483091.541 | 220400.958 | 100.311 |
| P11646    | 483104.079 | 220400.221 | 100.294 |
| P11647    | 483116.617 | 220399.238 | 100.353 |
| P11648    | 483004.758 | 220314.053 | 99.973  |
| P11649    | 483018.034 | 220313.069 | 100     |
| P11650    | 483024.227 | 220312.166 | 99.943  |
| P11651    | 483030.166 | 220311.737 | 100.155 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P265      | 508418.086 | 205411.295 | 103.85  |
| P266      | 508416.766 | 205410.196 | 103.84  |
| P267      | 508416.944 | 205410.436 | 103.85  |
| P268      | 508418.347 | 205408.646 | 102.2   |
| P269      | 508418.313 | 205408.626 | 102.52  |
| P270      | 508419.51  | 205409.568 | 102.27  |
| P271      | 508419.552 | 205409.596 | 102.49  |
| P272      | 508418.257 | 205411.425 | 103.85  |
| P273      | 508418.135 | 205408.386 | 102.51  |
| P274      | 508418.169 | 205408.406 | 102.19  |
| P275      | 508410.843 | 205419.951 | 103.03  |
| P276      | 508417.45  | 205410.816 | 103.044 |
| P277      | 510251.694 | 207255.171 | 107.93  |
| P278      | 510252.199 | 207255.787 | 108.2   |
| P279      | 510251.002 | 207254.592 | 107.73  |
| P280      | 510250.612 | 207254.263 | 107.75  |
| P281      | 510251.433 | 207254.956 | 107.7   |
| P282      | 510246.113 | 207260.508 | 107.64  |
| P283      | 510247.411 | 207261.291 | 107.88  |
| P284      | 510247.045 | 207261.084 | 106.98  |
| P285      | 510247.086 | 207261.092 | 107.65  |
| P286      | 510246.466 | 207260.711 | 107.65  |
| P287      | 510246.592 | 207260.687 | 106.94  |
| P288      | 510245.274 | 207261.505 | 106.96  |
| P289      | 510245.737 | 207261.222 | 106.95  |
| P290      | 510246.839 | 207261.652 | 106.98  |
| P291      | 510246.414 | 207262.571 | 107.02  |
| P292      | 510248.04  | 207261.711 | 107.923 |
| P293      | 510245.505 | 207260.083 | 107.86  |
| P294      | 510247.852 | 207261.586 | 107.91  |
| P295      | 510252.07  | 207254.508 | 107.33  |
| P296      | 510253.118 | 207254.404 | 107.7   |
| P297      | 510251.072 | 207253.105 | 107.53  |
| P298      | 510251.008 | 207253.758 | 107.31  |
| P299      | 510250.035 | 207253.971 | 108.08  |
| P300      | 512086.924 | 209369.707 | 122.55  |
| P301      | 512086.921 | 209370.4   | 122.51  |
| P302      | 512085.993 | 209370.804 | 122.28  |
| P303      | 512085.673 | 209369.238 | 122.47  |
| P304      | 512085.606 | 209369.414 | 121.9   |
| P305      | 512086.885 | 209369.886 | 122.18  |
| P306      | 512085.731 | 209370.596 | 122     |
| P307      | 512086.894 | 209370.105 | 122.16  |
| P308      | 512093.686 | 209370.734 | 122.97  |
| P309      | 512093.662 | 209370.123 | 123.18  |
| P310      | 512093.681 | 209369.544 | 123.01  |
| P311      | 512093.938 | 209369.566 | 122.98  |
| P312      | 512093.938 | 209370.165 | 123.17  |
| P313      | 512093.871 | 209370.773 | 122.96  |
| P314      | 512094.017 | 209370.037 | 122.54  |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11652    | 483035.055 | 220310.72  | 100.253 |
| P11653    | 483040.405 | 220308.89  | 100.314 |
| P11654    | 483043.852 | 220308.758 | 100.267 |
| P11655    | 483046.52  | 220308.421 | 100.882 |
| P11656    | 483047.486 | 220308.479 | 101.359 |
| P11657    | 483048.057 | 220308.477 | 101.586 |
| P11658    | 483049.58  | 220308.372 | 101.58  |
| P11659    | 483050.172 | 220308.323 | 101.385 |
| P11660    | 483050.999 | 220308.26  | 100.897 |
| P11661    | 483052.021 | 220308.249 | 100.878 |
| P11662    | 483055.579 | 220308.011 | 99.975  |
| P11663    | 483056.749 | 220307.936 | 99.69   |
| P11664    | 483058.412 | 220307.959 | 99.938  |
| P11665    | 483067.448 | 220306.678 | 100.284 |
| P11666    | 483081.461 | 220306.923 | 100.193 |
| P11667    | 483090.066 | 220306.186 | 100.226 |
| P11668    | 483101.62  | 220306.186 | 100.254 |
| P11669    | 483008.446 | 220287.01  | 100.328 |
| P11670    | 483017.05  | 220285.043 | 100.393 |
| P11671    | 483023.432 | 220285.663 | 100.172 |
| P11672    | 483030.156 | 220289.805 | 100.249 |
| P11673    | 483034.362 | 220289.044 | 100.404 |
| P11674    | 483037.947 | 220284.306 | 100.549 |
| P11675    | 483042.12  | 220284.67  | 100.476 |
| P11676    | 483044.068 | 220283.948 | 100.914 |
| P11677    | 483044.9   | 220283.754 | 101.352 |
| P11678    | 483045.484 | 220283.596 | 101.584 |
| P11679    | 483047.014 | 220283.383 | 101.58  |
| P11680    | 483047.585 | 220282.959 | 101.394 |
| P11681    | 483048.255 | 220282.47  | 100.959 |
| P11682    | 483049.134 | 220281.721 | 100.902 |
| P11683    | 483051.548 | 220277.734 | 100.348 |
| P11684    | 483052.515 | 220277.75  | 100.213 |
| P11685    | 483054.264 | 220277.783 | 100.264 |
| P11686    | 483060.81  | 220280.126 | 100.586 |
| P11687    | 483076.544 | 220279.143 | 100.474 |
| P11688    | 483087.607 | 220279.881 | 100.458 |
| P11689    | 482997.383 | 220256.28  | 100.493 |
| P11690    | 483010.084 | 220253.899 | 100.48  |
| P11691    | 483019.97  | 220252.56  | 100.46  |
| P11692    | 483027.339 | 220251.895 | 100.41  |
| P11693    | 483033.133 | 220250.623 | 100.67  |
| P11694    | 483039.592 | 220249.494 | 100.78  |
| P11695    | 483040.606 | 220249.402 | 100.959 |
| P11696    | 483041.308 | 220249.402 | 101.342 |
| P11697    | 483041.936 | 220249.285 | 101.581 |
| P11698    | 483043.507 | 220249.229 | 101.58  |
| P11699    | 483044.154 | 220249.316 | 101.407 |
| P11700    | 483044.737 | 220249.416 | 101.038 |
| P11701    | 483045.642 | 220249.636 | 100.931 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P315      | 512093.988 | 209370.467 | 122.52  |
| P316      | 512094.494 | 209371.264 | 123.09  |
| P317      | 512095.126 | 209371.019 | 123.11  |
| P318      | 512095.155 | 209370.777 | 122.75  |
| P319      | 512094.376 | 209371.086 | 122.62  |
| P320      | 512094.84  | 209369.308 | 123.13  |
| P321      | 512095.693 | 209369.553 | 123.17  |
| P322      | 512095.707 | 209369.667 | 122.81  |
| P323      | 512094.917 | 209369.502 | 122.7   |
| P324      | 512435.571 | 210643.006 | 128.76  |
| P325      | 512432.19  | 210639.193 | 128.74  |
| P326      | 512436.013 | 210642.734 | 127.59  |
| P327      | 512432.724 | 210639.135 | 127.608 |
| P328      | 512434.005 | 210640.537 | 126.71  |
| P329      | 512434.751 | 210641.353 | 126.71  |
| P330      | 512432.507 | 210638.797 | 128.23  |
| P331      | 512432.195 | 210639.146 | 128.4   |
| P332      | 512436.076 | 210642.702 | 128.21  |
| P333      | 512430.27  | 210648.068 | 128.16  |
| P334      | 512427.048 | 210644.547 | 128.27  |
| P335      | 512430.463 | 210648.201 | 128.6   |
| P336      | 512430.071 | 210648.202 | 127.97  |
| P337      | 512426.849 | 210644.681 | 128.08  |
| P338      | 512428.743 | 210646.764 | 126.58  |
| P339      | 512429.925 | 210648.064 | 127.646 |
| P340      | 512428.082 | 210646.037 | 126.58  |
| P341      | 512428.412 | 210646.4   | 127.42  |
| P342      | 512434.378 | 210640.945 | 127.39  |
| P343      | 513801.651 | 212135.282 | 128.74  |
| P344      | 513803.083 | 212136.679 | 129.85  |
| P345      | 513803.053 | 212136.714 | 130.13  |
| P346      | 513799.802 | 212133.394 | 130.1   |
| P347      | 513800.977 | 212134.594 | 128.79  |
| P348      | 513791.432 | 212140.58  | 129.65  |
| P349      | 513794.313 | 212143.815 | 130.04  |
| P350      | 513793.37  | 212142.747 | 128.85  |
| P351      | 513792.765 | 212142.063 | 128.84  |
| P352      | 513801.332 | 212134.957 | 129.279 |
| P353      | 513793.065 | 212142.402 | 129.211 |
| P354      | 508572.18  | 205534.33  | 102.713 |
| P355      | 508570.966 | 205536.141 | 102.917 |
| P356      | 508570.211 | 205535.552 | 102.92  |
| P357      | 508571.401 | 205533.692 | 102.751 |
| PI1       | 514486.98  | 212879.14  | 132.9   |
| PI2       | 514465.34  | 212867.3   | 132.93  |
| PI3       | 514470.95  | 212856.78  | 128.03  |
| PI4       | 514471.8   | 212855.18  | 128.67  |
| PI5       | 514471.39  | 212855.96  | 132.93  |
| PI6       | 514421.58  | 212843.76  | 132.98  |
| PI7       | 514421.55  | 212843.76  | 132.23  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11702    | 483049.524 | 220250.451 | 100.703 |
| P11703    | 483050.92  | 220250.451 | 100.689 |
| P11704    | 483052.385 | 220250.66  | 100.567 |
| P11705    | 483057.614 | 220251.609 | 100.639 |
| P11706    | 483065.236 | 220252.592 | 100.701 |
| P11707    | 483067.94  | 220252.838 | 100.614 |
| P11708    | 483082.69  | 220252.346 | 100.593 |
| P11709    | 482994.279 | 220216.714 | 100.534 |
| P11710    | 483001.163 | 220214.502 | 100.554 |
| P11711    | 483010.259 | 220211.306 | 100.554 |
| P11712    | 483013.892 | 220210.499 | 100.364 |
| P11713    | 483019.767 | 220208.894 | 100.359 |
| P11714    | 483023.534 | 220208.602 | 100.644 |
| P11715    | 483027.606 | 220208.205 | 100.497 |
| P11716    | 483034.956 | 220206.328 | 100.696 |
| P11717    | 483036.189 | 220206.337 | 100.96  |
| P11718    | 483036.895 | 220206.305 | 101.343 |
| P11719    | 483037.524 | 220206.281 | 101.56  |
| P11720    | 483039.068 | 220206.121 | 101.565 |
| P11721    | 483039.707 | 220206.092 | 101.402 |
| P11722    | 483040.231 | 220205.94  | 101.042 |
| P11723    | 483041.197 | 220205.788 | 100.861 |
| P11724    | 483045.563 | 220205.032 | 100.74  |
| P11725    | 483046.754 | 220205.069 | 100.641 |
| P11726    | 483048.23  | 220204.987 | 100.648 |
| P11727    | 483050.823 | 220203.93  | 100.726 |
| P11728    | 483053.773 | 220203.439 | 100.786 |
| P11729    | 483061.148 | 220201.718 | 100.725 |
| P11730    | 483070.736 | 220199.997 | 100.61  |
| P11731    | 483072.211 | 220199.751 | 100.632 |
| P11732    | 483077.62  | 220199.997 | 100.779 |
| P11733    | 482990.591 | 220182.173 | 100.417 |
| P11734    | 482999.933 | 220177.502 | 100.408 |
| P11735    | 483002.146 | 220176.519 | 100.417 |
| P11736    | 483007.7   | 220176.38  | 100.284 |
| P11737    | 483012.662 | 220173.884 | 100.317 |
| P11738    | 483018.126 | 220169.635 | 100.409 |
| P11739    | 483023.333 | 220168.584 | 100.335 |
| P11740    | 483030.584 | 220165.618 | 100.616 |
| P11741    | 483031.954 | 220165.277 | 100.948 |
| P11742    | 483032.709 | 220165.214 | 101.346 |
| P11743    | 483033.299 | 220165.022 | 101.535 |
| P11744    | 483034.797 | 220164.665 | 101.546 |
| P11745    | 483035.423 | 220164.531 | 101.393 |
| P11746    | 483035.96  | 220164.432 | 101.021 |
| P11747    | 483037.062 | 220164.17  | 100.766 |
| P11748    | 483041.105 | 220163.042 | 100.62  |
| P11749    | 483041.966 | 220162.924 | 100.366 |
| P11750    | 483042.88  | 220162.794 | 100.596 |
| P11751    | 483048.61  | 220161.277 | 100.546 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI8       | 514421.71  | 212843.56  | 131.43  |
| PI9       | 514421.64  | 212843.43  | 128.46  |
| PI10      | 514422.43  | 212842.18  | 128.03  |
| PI11      | 514422.42  | 212842.23  | 131.43  |
| PI12      | 514422.52  | 212842.01  | 132.23  |
| PI13      | 514427.29  | 212832.87  | 134.13  |
| PI14      | 514427.38  | 212833.07  | 132.95  |
| PI15      | 514427.19  | 212833.34  | 128.11  |
| PI16      | 514427.315 | 212832.895 | 134.13  |
| PI17      | 514427.528 | 212832.155 | 133.687 |
| PI18      | 514427.47  | 212832.55  | 128.06  |
| PI19      | 514427.521 | 212832.198 | 133.077 |
| PI20      | 514427.405 | 212833.095 | 132.95  |
| PI21      | 514487.95  | 212877.38  | 132.9   |
| PI22      | 514487.846 | 212877.569 | 131.56  |
| PI23      | 514487.09  | 212878.94  | 128.84  |
| PI24      | 514466.31  | 212865.54  | 132.93  |
| PI25      | 514466.206 | 212865.729 | 131.59  |
| PI26      | 514466.02  | 212865.69  | 128.13  |
| PI27      | 514465.45  | 212867.1   | 128.46  |
| PI28      | 514401.54  | 212817.98  | 133.93  |
| PI29      | 514396.71  | 212815.76  | 128.89  |
| PI30      | 514396.66  | 212815.79  | 128.24  |
| PI31      | 514396.34  | 212816.45  | 127.83  |
| PI32      | 514396.4   | 212816.43  | 128.91  |
| PI33      | 514401.26  | 212818.77  | 133.98  |
| PI34      | 523166.44  | 217285.41  | 114.31  |
| PI35      | 523164.44  | 217284.61  | 115.11  |
| PI36      | 523163.57  | 217284.43  | 113.97  |
| PI37      | 523163.39  | 217284.28  | 109.12  |
| PI38      | 523152.38  | 217281.1   | 109.34  |
| PI39      | 523152.14  | 217281.02  | 114.02  |
| PI40      | 523151.21  | 217280.93  | 114.01  |
| PI41      | 523151.16  | 217280.88  | 115.12  |
| PI42      | 523149.25  | 217280.54  | 115.1   |
| PI43      | 523148.51  | 217286.75  | 110.52  |
| PI44      | 523150.21  | 217280.93  | 114.31  |
| PI45      | 523149.94  | 217280.94  | 114.32  |
| PI46      | 523148.24  | 217286.76  | 110.53  |
| PI47      | 523151.91  | 217281.01  | 109.4   |
| PI48      | 523163.65  | 217284.37  | 109.16  |
| PI49      | 523163.79  | 217291.06  | 110.52  |
| PI50      | 523165.47  | 217285.25  | 114.51  |
| PI51      | 523165.78  | 217285.3   | 114.45  |
| PI52      | 523164.1   | 217291.11  | 110.52  |
| PI53      | 523164.73  | 217283.55  | 114.4   |
| PI54      | 523151.5   | 217280.33  | 115.25  |
| PI55      | 523169.58  | 217273.44  | 114.41  |
| PI56      | 523169.53  | 217273.49  | 115.08  |
| PI57      | 523167.55  | 217272.93  | 115.08  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11752    | 483057.461 | 220159.802 | 100.43  |
| P11753    | 483065.819 | 220154.639 | 100.454 |
| P11754    | 483071.756 | 220149.283 | 100.417 |
| P11755    | 482973.137 | 220079.534 | 99.96   |
| P11756    | 482983.708 | 220075.6   | 100.062 |
| P11757    | 482987.887 | 220076.584 | 100.077 |
| P11758    | 482995.388 | 220077.125 | 99.982  |
| P11759    | 483001.133 | 220075.812 | 100.055 |
| P11760    | 483005.834 | 220073.142 | 100.098 |
| P11761    | 483010.259 | 220073.388 | 100.008 |
| P11762    | 483014.286 | 220073.493 | 100.029 |
| P11763    | 483020.717 | 220073.147 | 100.449 |
| P11764    | 483022.302 | 220073.133 | 100.921 |
| P11765    | 483023.127 | 220072.957 | 101.328 |
| P11766    | 483023.876 | 220072.944 | 101.5   |
| P11767    | 483025.323 | 220072.808 | 101.511 |
| P11768    | 483025.946 | 220072.691 | 101.376 |
| P11769    | 483026.736 | 220072.593 | 100.907 |
| P11770    | 483027.834 | 220072.376 | 100.664 |
| P11771    | 483030.512 | 220071.223 | 100.423 |
| P11772    | 483032.443 | 220070.993 | 99.638  |
| P11773    | 483035.276 | 220070.687 | 100.17  |
| P11774    | 483039.76  | 220069.946 | 100.15  |
| P11775    | 483049.102 | 220068.963 | 100.128 |
| P11776    | 483057.215 | 220067.979 | 100.216 |
| P11777    | 483069.753 | 220067.488 | 100.203 |
| P11778    | 482972.891 | 219998.529 | 99.772  |
| P11779    | 482980.266 | 219997.299 | 99.784  |
| P11780    | 482987.285 | 219994.828 | 99.698  |
| P11781    | 482993.589 | 219993.254 | 99.704  |
| P11782    | 482998.95  | 219991.891 | 99.967  |
| P11783    | 483003.621 | 219991.645 | 99.949  |
| P11784    | 483005.884 | 219991.469 | 99.845  |
| P11785    | 483012.109 | 219991.529 | 100.323 |
| P11786    | 483013.809 | 219991.395 | 100.91  |
| P11787    | 483014.639 | 219991.406 | 101.3   |
| P11788    | 483015.519 | 219991.481 | 101.505 |
| P11789    | 483016.957 | 219991.57  | 101.505 |
| P11790    | 483017.585 | 219991.621 | 101.358 |
| P11791    | 483018.604 | 219991.615 | 100.846 |
| P11792    | 483019.56  | 219991.773 | 100.749 |
| P11793    | 483022.228 | 219991.754 | 100.417 |
| P11794    | 483022.705 | 219991.8   | 100.061 |
| P11795    | 483025.602 | 219991.191 | 99.331  |
| P11796    | 483028.56  | 219990.543 | 99.905  |
| P11797    | 483033.614 | 219989.186 | 99.989  |
| P11798    | 483040.743 | 219988.695 | 99.973  |
| P11799    | 483049.348 | 219987.711 | 100.172 |
| P11800    | 483055.494 | 219986.974 | 100.109 |
| P11801    | 482969.941 | 219955.383 | 99.7    |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI58      | 523167.59  | 217272.92  | 114     |
| PI59      | 523166.67  | 217272.65  | 113.96  |
| PI60      | 523166.46  | 217272.6   | 109.03  |
| PI61      | 523155.45  | 217269.4   | 109.31  |
| PI62      | 523155.28  | 217269.27  | 114     |
| PI63      | 523154.34  | 217269.01  | 114.02  |
| PI64      | 523154.29  | 217269.08  | 115.09  |
| PI65      | 523152.33  | 217268.57  | 115.12  |
| PI66      | 523152.29  | 217268.58  | 114.17  |
| PI67      | 523154.2   | 217270.26  | 114.33  |
| PI68      | 523167.35  | 217273.41  | 115.28  |
| PI69      | 523155.38  | 217260.63  | 109.61  |
| PI70      | 523155.03  | 217260.51  | 109.61  |
| PI71      | 523152.662 | 217268.656 | 114.31  |
| PI72      | 523153.019 | 217268.749 | 114.31  |
| PI73      | 523154.88  | 217269.21  | 109.24  |
| PI74      | 523172.36  | 217263     | 109.14  |
| PI75      | 523169.39  | 217273     | 114.33  |
| PI76      | 523169.02  | 217272.93  | 114.33  |
| PI77      | 523171.99  | 217262.93  | 109.17  |
| PI78      | 523166.88  | 217272.68  | 109.05  |
| PI79      | 525366.568 | 218215.872 | 111.7   |
| PI80      | 525362.719 | 218212.826 | 112.31  |
| PI81      | 525366.212 | 218215.59  | 111.94  |
| PI82      | 525364.288 | 218219.163 | 109.61  |
| PI83      | 525366.293 | 218215.655 | 111.95  |
| PI84      | 525364.403 | 218219.186 | 109.62  |
| PI85      | 525366.161 | 218215.568 | 109.27  |
| PI86      | 525363.121 | 218213.144 | 111.52  |
| PI87      | 525363.113 | 218213.174 | 109.23  |
| PI88      | 525360.69  | 218215.436 | 109.91  |
| PI89      | 525362.992 | 218213.042 | 112.02  |
| PI90      | 525360.556 | 218215.383 | 109.91  |
| PI91      | 525374.58  | 218205.507 | 112.37  |
| PI92      | 525370.731 | 218202.5   | 112.35  |
| PI93      | 525370.78  | 218202.476 | 111.56  |
| PI94      | 525370.972 | 218202.688 | 111.655 |
| PI95      | 525372.259 | 218198.981 | 109.39  |
| PI96      | 525372.772 | 218199.257 | 109.42  |
| PI97      | 525371.11  | 218202.796 | 111.65  |
| PI98      | 525374.169 | 218205.186 | 111.66  |
| PI99      | 525374.317 | 218205.302 | 111.66  |
| PI100     | 525377.781 | 218203.314 | 109.47  |
| PI101     | 525377.81  | 218203.277 | 109.08  |
| PI102     | 525377.337 | 218202.869 | 108.83  |
| PI103     | 525377.309 | 218202.884 | 109.45  |
| PI104     | 525374.22  | 218205.131 | 108.98  |
| PI105     | 525371.176 | 218202.717 | 111.05  |
| PI106     | 525371.181 | 218202.677 | 109.28  |
| PI107     | 525527.646 | 218286.626 | 111.97  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11802    | 482975.349 | 219955.383 | 99.748  |
| P11803    | 482983.621 | 219955.063 | 99.654  |
| P11804    | 482989.843 | 219954.431 | 99.611  |
| P11805    | 482996.738 | 219952.433 | 99.803  |
| P11806    | 483002.776 | 219952.287 | 99.758  |
| P11807    | 483007.885 | 219951.482 | 100.261 |
| P11808    | 483009.811 | 219951.384 | 100.91  |
| P11809    | 483010.609 | 219951.283 | 101.3   |
| P11810    | 483011.385 | 219951.323 | 101.51  |
| P11811    | 483012.752 | 219950.602 | 101.51  |
| P11812    | 483013.378 | 219950.73  | 101.345 |
| P11813    | 483014.291 | 219950.681 | 100.896 |
| P11814    | 483015.341 | 219950.678 | 100.793 |
| P11815    | 483017.728 | 219950.298 | 100.552 |
| P11816    | 483018.688 | 219950.103 | 99.812  |
| P11817    | 483021.814 | 219949.183 | 99.234  |
| P11818    | 483024.396 | 219948.921 | 99.759  |
| P11819    | 483030.172 | 219948.008 | 99.946  |
| P11820    | 483038.777 | 219947.024 | 99.884  |
| P11821    | 483048.61  | 219946.287 | 99.988  |
| P11822    | 483053.527 | 219945.303 | 99.987  |
| P11823    | 483051.315 | 219908.058 | 99.902  |
| P11824    | 483042.219 | 219907.567 | 99.891  |
| P11825    | 483033.614 | 219908.058 | 99.883  |
| P11826    | 483024.518 | 219909.287 | 99.847  |
| P11827    | 483020.503 | 219910.019 | 99.622  |
| P11828    | 483018.305 | 219910.262 | 99.144  |
| P11829    | 483014.863 | 219910.389 | 99.576  |
| P11830    | 483013.417 | 219910.591 | 100.683 |
| P11831    | 483011.256 | 219910.877 | 100.835 |
| P11832    | 483010.109 | 219910.989 | 100.943 |
| P11833    | 483009.295 | 219911.038 | 101.332 |
| P11834    | 483008.701 | 219911.146 | 101.515 |
| P11835    | 483007.261 | 219911.256 | 101.515 |
| P11836    | 483006.597 | 219911.339 | 101.3   |
| P11837    | 483005.817 | 219911.413 | 100.91  |
| P11838    | 483003.66  | 219911.42  | 100.2   |
| P11839    | 482999.654 | 219912.927 | 99.669  |
| P11840    | 482995.017 | 219912.238 | 99.97   |
| P11841    | 482985.913 | 219913.645 | 99.515  |
| P11842    | 482979.864 | 219915.313 | 99.589  |
| P11843    | 482974.12  | 219915.925 | 99.629  |
| P11844    | 482969.941 | 219915.188 | 99.668  |
| P11845    | 482962.319 | 219914.45  | 99.679  |
| P11846    | 482960.107 | 219848.441 | 99.512  |
| P11847    | 482965.27  | 219848.687 | 99.547  |
| P11848    | 482970.667 | 219847.741 | 99.287  |
| P11849    | 482977.195 | 219845.784 | 99.337  |
| P11850    | 482982.97  | 219844.508 | 99.268  |
| P11851    | 482989.854 | 219841.312 | 99.134  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI108     | 525692.82  | 218323.71  | 113.09  |
| PI109     | 525689.34  | 218323.69  | 109.58  |
| PI110     | 525689.4   | 218323.68  | 112.42  |
| PI111     | 525690.33  | 218323.7   | 112.42  |
| PI112     | 525640.3   | 218314.59  | 111.1   |
| PI113     | 525636.88  | 218314.15  | 113.11  |
| PI114     | 525639.32  | 218314.49  | 113.15  |
| PI115     | 525639.65  | 218319.99  | 111.3   |
| PI116     | 525636.34  | 218319.64  | 113.09  |
| PI117     | 525638.78  | 218319.9   | 113.07  |
| PI118     | 526618.48  | 217622.94  | 119.27  |
| PI119     | 526616.66  | 217615.08  | 119.4   |
| PI120     | 526616.72  | 217615.01  | 118.13  |
| PI121     | 526616.65  | 217614.66  | 118.1   |
| PI122     | 526618.51  | 217622.94  | 118.42  |
| PI123     | 526618.55  | 217623.19  | 118.4   |
| PI124     | 526592.05  | 217621.77  | 117.6   |
| PI125     | 526592.12  | 217622.12  | 117.63  |
| PI126     | 526592.06  | 217622.19  | 118.9   |
| PI127     | 526591.98  | 217621.76  | 111.1   |
| PI128     | 526616.75  | 217614.62  | 111.22  |
| PI129     | 526586.85  | 217602.96  | 118.81  |
| PI130     | 526586.15  | 217600.22  | 118.74  |
| PI131     | 526610.22  | 217593.18  | 118.33  |
| PI132     | 526610.99  | 217595.93  | 118.39  |
| PI133     | 526609.885 | 217593.275 | 118.341 |
| PI134     | 526609.87  | 217593.22  | 118.34  |
| PI135     | 526605.78  | 217575.94  | 118.39  |
| PI136     | 526615.96  | 217614.85  | 118.22  |
| PI137     | 526610.63  | 217596.04  | 118.39  |
| PI138     | 526587.2   | 217602.87  | 118.8   |
| PI139     | 526592.722 | 217621.576 | 117.614 |
| PI140     | 526581.95  | 217580.65  | 119.33  |
| PI141     | 526586.41  | 217600.05  | 118.76  |
| PI142     | 526586.436 | 217600.142 | 118.761 |
| PI143     | 526606.257 | 217596.707 | 118.2   |
| PI144     | 526605.742 | 217594.999 | 118.2   |
| PI145     | 526591.402 | 217601.013 | 118.49  |
| PI146     | 526590.907 | 217599.35  | 118.49  |
| PI147     | 526605.25  | 217573.21  | 118.51  |
| PI148     | 526602.81  | 217555.63  | 118.7   |
| PI149     | 526581.32  | 217577.87  | 119.36  |
| PI150     | 526578.53  | 217558.26  | 119.42  |
| PI151     | 526581.6   | 217580.74  | 119.34  |
| PI152     | 526581.02  | 217577.92  | 119.37  |
| PI153     | 526605.57  | 217573.14  | 118.52  |
| PI154     | 526606.13  | 217575.95  | 118.41  |
| PI155     | 526585.747 | 217577.624 | 119     |
| PI156     | 526601.13  | 217574.618 | 118.2   |
| PI157     | 526601.33  | 217576.367 | 118.2   |

Inventar de coordonate puncte masurate

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| P11852    | 482992.873 | 219840.484 | 99.762  |
| P11853    | 482997.347 | 219839.906 | 100.439 |
| P11854    | 482998.544 | 219840.044 | 100.931 |
| P11855    | 482999.277 | 219839.914 | 101.3   |
| P11856    | 482999.905 | 219839.814 | 101.51  |
| P11857    | 483001.361 | 219839.61  | 101.517 |
| P11858    | 483001.957 | 219839.593 | 101.33  |
| P11859    | 483002.659 | 219839.464 | 101.011 |
| P11860    | 483004.114 | 219839.336 | 100.91  |
| P11861    | 483005.949 | 219839.031 | 100.65  |
| P11862    | 483009.429 | 219838.772 | 99.193  |
| P11863    | 483011.573 | 219838.418 | 98.733  |
| P11864    | 483014.358 | 219838.237 | 99.368  |
| P11865    | 483023.3   | 219837.39  | 99.59   |
| P11866    | 483029.624 | 219837.575 | 99.361  |
| P11867    | 483041.727 | 219836.395 | 99.424  |
| P11868    | 482952.977 | 219806.648 | 99.135  |
| P11869    | 482964.04  | 219804.681 | 99.133  |
| P11870    | 482970.432 | 219803.452 | 99.258  |
| P11871    | 482978.053 | 219803.698 | 99.383  |
| P11872    | 482981.901 | 219802.804 | 99.173  |
| P11873    | 482986.552 | 219804.958 | 99.186  |
| P11874    | 482989.897 | 219804.409 | 99.963  |
| P11875    | 482993.621 | 219804.589 | 100.822 |
| P11876    | 482994.824 | 219804.396 | 100.954 |
| P11877    | 482995.536 | 219804.275 | 101.3   |
| P11878    | 482996.232 | 219804.14  | 101.498 |
| P11879    | 482997.705 | 219803.962 | 101.513 |
| P11880    | 482998.317 | 219804.077 | 101.342 |
| P11881    | 482999.034 | 219804.174 | 101.034 |
| P11882    | 483000.698 | 219803.924 | 100.947 |
| P11883    | 483002.492 | 219804.241 | 100.48  |
| P11884    | 483006.728 | 219804.383 | 99.034  |
| P11885    | 483009.357 | 219805.375 | 98.4    |
| P11886    | 483011.385 | 219805.957 | 99.254  |
| P11887    | 483015.667 | 219802.469 | 100     |
| P11888    | 483022.305 | 219804.19  | 99.708  |
| P11889    | 483028.697 | 219805.91  | 99.64   |
| P11890    | 483035.089 | 219808.123 | 99.699  |
| P11891    | 483193.202 | 222167.642 | 96.23   |
| P11892    | 483200.412 | 222166.334 | 96.27   |
| P11893    | 483208.405 | 222165.378 | 96.3    |
| P11894    | 483217.776 | 222163.871 | 96.29   |
| P11895    | 483226.119 | 222163.553 | 96.49   |
| P11896    | 483230.456 | 222163.763 | 96.42   |
| P11897    | 483232.68  | 222163.394 | 96.74   |
| P11898    | 483235.945 | 222162.955 | 97.92   |
| P11899    | 483236.732 | 222163.108 | 98.3    |
| P11900    | 483237.803 | 222162.389 | 98.65   |
| P11901    | 483238.448 | 222162.292 | 98.87   |

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| PI158     | 526586.157 | 217579.316 | 119    |
| PI159     | 526578.12  | 217558.32  | 119.44 |
| PI160     | 526603.08  | 217555.6   | 118.72 |
| PI161     | 526602.75  | 217552.82  | 118.72 |
| PI162     | 526577.83  | 217555.46  | 119.48 |
| PI163     | 526582.554 | 217555.483 | 119.2  |
| PI164     | 526598.196 | 217553.772 | 118.5  |
| PI165     | 526598.28  | 217555.53  | 118.5  |
| PI166     | 526582.689 | 217557.233 | 119.2  |
| PI167     | 526602.08  | 217532.39  | 118.48 |
| PI168     | 526597.154 | 217532.89  | 118.3  |
| PI169     | 526581.619 | 217533.061 | 119.1  |
| PI170     | 526576.92  | 217532.65  | 119.32 |
| PI171     | 526576.87  | 217535.47  | 119.35 |
| PI172     | 526581.67  | 217534.8   | 119.1  |
| PI173     | 526597.22  | 217534.63  | 118.3  |
| PI174     | 526602.08  | 217535.16  | 118.54 |
| PI175     | 526601.75  | 217535.16  | 118.53 |
| PI176     | 526577.25  | 217535.48  | 119.36 |
| PI177     | 526578.26  | 217555.47  | 119.44 |
| PI178     | 526603.01  | 217511.76  | 118.05 |
| PI179     | 526598.087 | 217512.026 | 117.8  |
| PI180     | 526582.494 | 217510.811 | 118.8  |
| PI181     | 526577.97  | 217509.87  | 119    |
| PI182     | 526577.77  | 217512.71  | 118.98 |
| PI183     | 526582.503 | 217512.589 | 118.8  |
| PI184     | 526598.192 | 217513.802 | 117.8  |
| PI185     | 526602.74  | 217514.58  | 118.04 |
| PI186     | 526602.33  | 217514.62  | 118.09 |
| PI187     | 526601.6   | 217532.45  | 118.45 |
| PI188     | 526577.37  | 217532.69  | 119.32 |
| PI189     | 526578.25  | 217512.79  | 118.97 |
| PI190     | 526605.67  | 217491.47  | 117.98 |
| PI191     | 526600.948 | 217491.081 | 117.78 |
| PI192     | 526585.401 | 217488.519 | 118.5  |
| PI193     | 526580.88  | 217487.35  | 118.69 |
| PI194     | 526580.39  | 217490.12  | 118.74 |
| PI195     | 526585.118 | 217490.303 | 118.5  |
| PI196     | 526600.712 | 217492.861 | 117.78 |
| PI197     | 526605.21  | 217494.23  | 118.01 |
| PI198     | 526578.34  | 217509.9   | 118.97 |
| PI199     | 526580.78  | 217490.19  | 118.72 |
| PI200     | 526602.62  | 217511.72  | 118.09 |
| PI201     | 526604.83  | 217494.18  | 118.03 |
| PI202     | 526609.31  | 217474.17  | 117.42 |
| PI203     | 526604.749 | 217472.348 | 117.1  |
| PI204     | 526589.712 | 217468.387 | 117.6  |
| PI205     | 526584.96  | 217467.73  | 117.95 |
| PI206     | 526585.72  | 217464.94  | 117.88 |
| PI207     | 526590.238 | 217466.703 | 117.6  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11902    | 483239.152 | 222162.215 | 98.67  |
| P11903    | 483239.922 | 222162.114 | 98.89  |
| P11904    | 483240.766 | 222161.667 | 98.63  |
| P11905    | 483241.371 | 222160.149 | 98.34  |
| P11906    | 483244.765 | 222159.615 | 97.8   |
| P11907    | 483247.751 | 222159.859 | 96.76  |
| P11908    | 483250.213 | 222159.524 | 96.52  |
| P11909    | 483251.419 | 222158.739 | 96.58  |
| P11910    | 483258.097 | 222151.442 | 96.4   |
| P11911    | 483266.662 | 222148.524 | 96.36  |
| P11912    | 483286.914 | 222141.025 | 96.62  |
| P11913    | 483297.807 | 222137.026 | 96.57  |
| P11914    | 483176.594 | 222029.957 | 95.94  |
| P11915    | 483183.009 | 222028.947 | 95.96  |
| P11916    | 483192.401 | 222027.204 | 95.98  |
| P11917    | 483206.047 | 222024.976 | 95.95  |
| P11918    | 483214.829 | 222023.928 | 96.18  |
| P11919    | 483218.31  | 222023.625 | 96.49  |
| P11920    | 483221.766 | 222023.471 | 97.894 |
| P11921    | 483222.495 | 222023.438 | 98.19  |
| P11922    | 483223.526 | 222023.225 | 98.57  |
| P11923    | 483224.134 | 222023.154 | 98.81  |
| P11924    | 483224.916 | 222023.043 | 98.59  |
| P11925    | 483225.782 | 222022.268 | 98.81  |
| P11926    | 483226.529 | 222022.101 | 98.59  |
| P11927    | 483227.197 | 222022.049 | 98.12  |
| P11928    | 483230.042 | 222021.695 | 97.79  |
| P11929    | 483232.004 | 222021.441 | 96.81  |
| P11930    | 483233.543 | 222021.243 | 96.52  |
| P11931    | 483235.97  | 222020.539 | 96.32  |
| P11932    | 483246.217 | 222017.952 | 96.06  |
| P11933    | 483257.431 | 222016.58  | 96.08  |
| P11934    | 483274.57  | 222014.688 | 96.3   |
| P11935    | 483281.815 | 222014.51  | 96.19  |
| P11936    | 483167.876 | 221943.671 | 95.66  |
| P11937    | 483177.114 | 221941.797 | 95.65  |
| P11938    | 483184.931 | 221940.434 | 95.31  |
| P11939    | 483191.702 | 221938.929 | 95.262 |
| P11940    | 483199.043 | 221937.297 | 95.21  |
| P11941    | 483203.842 | 221936.238 | 95.654 |
| P11942    | 483206.935 | 221935.555 | 95.94  |
| P11943    | 483209.076 | 221935.382 | 96.44  |
| P11944    | 483211.783 | 221934.677 | 98.52  |
| P11945    | 483213.228 | 221934.881 | 98.22  |
| P11946    | 483214.276 | 221934.491 | 98.63  |
| P11947    | 483215.032 | 221934.511 | 98.83  |
| P11948    | 483215.801 | 221934.349 | 98.62  |
| P11949    | 483216.478 | 221934.223 | 98.83  |
| P11950    | 483217.154 | 221933.878 | 98.6   |
| P11951    | 483218.13  | 221933.694 | 98.19  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI208     | 526605.291 | 217470.662 | 117.1   |
| PI209     | 526610.01  | 217471.46  | 117.39  |
| PI210     | 526581.32  | 217487.31  | 118.68  |
| PI211     | 526581.51  | 217486.12  | 118.56  |
| PI212     | 526585.4   | 217467.97  | 117.87  |
| PI213     | 526609     | 217474.09  | 117.42  |
| PI214     | 526605.27  | 217491.33  | 117.98  |
| PI215     | 526591.45  | 217443.13  | 116.68  |
| PI216     | 526595.936 | 217444.908 | 116.4   |
| PI217     | 526611.073 | 217448.931 | 116.25  |
| PI218     | 526615.67  | 217449.63  | 116.5   |
| PI219     | 526614.88  | 217452.46  | 116.53  |
| PI220     | 526610.53  | 217450.6   | 116.25  |
| PI221     | 526595.419 | 217446.601 | 116.4   |
| PI222     | 526590.66  | 217445.96  | 116.7   |
| PI223     | 526609.58  | 217471.38  | 117.36  |
| PI224     | 526614.6   | 217452.41  | 116.53  |
| PI225     | 526586.1   | 217465.03  | 117.85  |
| PI226     | 526591.06  | 217446.15  | 116.72  |
| PI227     | 526596.08  | 217424.73  | 111.67  |
| PI228     | 526596.09  | 217424.77  | 111.92  |
| PI229     | 526596.18  | 217424.35  | 111.95  |
| PI230     | 526596.14  | 217424.36  | 115.63  |
| PI231     | 526596.804 | 217424.537 | 115.629 |
| PI232     | 526620.378 | 217430.804 | 115.591 |
| PI233     | 526621.04  | 217430.98  | 115.59  |
| PI234     | 526596.34  | 217423.64  | 115.64  |
| PI235     | 526596.99  | 217423.87  | 115.68  |
| PI236     | 526620.56  | 217430.15  | 115.63  |
| PI237     | 526621.24  | 217430.26  | 115.6   |
| PI238     | 526596.35  | 217423.57  | 116.86  |
| PI239     | 526597     | 217423.8   | 116.9   |
| PI240     | 526620.57  | 217430.08  | 116.85  |
| PI241     | 526621.25  | 217430.19  | 116.82  |
| PI242     | 526621.02  | 217431.02  | 111.9   |
| PI243     | 526620.95  | 217431.32  | 111.86  |
| PI244     | 526620.9   | 217431.36  | 111.26  |
| PI245     | 526621.29  | 217430.28  | 111.53  |
| PI246     | 526615.29  | 217449.52  | 116.49  |
| PI247     | 526620.36  | 217430.87  | 115.62  |
| PI248     | 526596.79  | 217424.59  | 115.67  |
| PI249     | 526591.87  | 217443.23  | 116.63  |
| PI250     | 526602.42  | 217552.87  | 119.891 |
| PI251     | 526616.177 | 217615.219 | 119.39  |
| PI252     | 526615.773 | 217449.381 | 117.7   |
| PI253     | 526615.083 | 217452.271 | 117.74  |
| PI254     | 526610.063 | 217471.241 | 118.57  |
| PI255     | 526609.483 | 217473.951 | 118.63  |
| PI256     | 526605.753 | 217491.191 | 119.19  |
| PI257     | 526605.313 | 217494.041 | 119.24  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P11952    | 483220.827 | 221933.277 | 97.24  |
| P11953    | 483224.53  | 221932.789 | 95.81  |
| P11954    | 483231.161 | 221931.633 | 95.745 |
| P11955    | 483239.903 | 221930.11  | 95.66  |
| P11956    | 483251.112 | 221928.478 | 95.96  |
| P11957    | 483260.612 | 221927.771 | 96.02  |
| P11958    | 483260.921 | 221927.672 | 96.04  |
| P11959    | 483267.842 | 221923.392 | 96.09  |
| P11960    | 483165.881 | 221884.067 | 95.3   |
| P11961    | 483171.733 | 221883.461 | 95.38  |
| P11962    | 483175.866 | 221882.713 | 95.29  |
| P11963    | 483180.879 | 221881.805 | 95.18  |
| P11964    | 483184.999 | 221881.338 | 94.64  |
| P11965    | 483190.619 | 221880.798 | 94.8   |
| P11966    | 483192.196 | 221880.823 | 95.26  |
| P11967    | 483195.348 | 221880.574 | 95.48  |
| P11968    | 483198.893 | 221880.643 | 96.09  |
| P11969    | 483201.783 | 221880.332 | 96.24  |
| P11970    | 483204.541 | 221880.125 | 97.13  |
| P11971    | 483206.479 | 221879.722 | 97.89  |
| P11972    | 483207.937 | 221879.522 | 98.14  |
| P11973    | 483208.88  | 221879.429 | 98.63  |
| P11974    | 483209.422 | 221879.491 | 98.87  |
| P11975    | 483210.077 | 221879.478 | 98.61  |
| P11976    | 483210.166 | 221879.393 | 98.66  |
| P11977    | 483210.859 | 221879.353 | 98.89  |
| P11978    | 483211.369 | 221879.314 | 98.63  |
| P11979    | 483212.375 | 221879.214 | 98.17  |
| P11980    | 483213.755 | 221879.405 | 98.07  |
| P11981    | 483217.356 | 221878.903 | 96.89  |
| P11982    | 483221.42  | 221878.227 | 96.65  |
| P11983    | 483226.393 | 221877.321 | 95.59  |
| P11984    | 483237.156 | 221875.443 | 95.47  |
| P11985    | 483254.395 | 221871.03  | 95.39  |
| P11986    | 483267.368 | 221867.334 | 95.42  |
| P11987    | 483281.731 | 221862.92  | 95.4   |
| P11988    | 483293.168 | 221859.432 | 95.78  |
| P11989    | 483154.729 | 221772.869 | 94.91  |
| P11990    | 483163.443 | 221772.927 | 94.9   |
| P11991    | 483168.388 | 221773.173 | 94.81  |
| P11992    | 483177.164 | 221774.359 | 94.26  |
| P11993    | 483184.003 | 221773.209 | 95.6   |
| P11994    | 483187.404 | 221772.757 | 96.11  |
| P11995    | 483189.882 | 221772.338 | 96.12  |
| P11996    | 483193.419 | 221771.989 | 97.19  |
| P11997    | 483196.596 | 221771.923 | 98.42  |
| P11998    | 483197.712 | 221771.637 | 98.91  |
| P11999    | 483198.276 | 221771.457 | 99.08  |
| P12000    | 483198.832 | 221769.944 | 98.8   |
| P12001    | 483198.951 | 221771.486 | 98.86  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI258     | 526603.103 | 217511.581 | 119.3   |
| PI259     | 526602.813 | 217514.481 | 119.3   |
| PI260     | 526602.083 | 217532.311 | 119.66  |
| PI261     | 526602.233 | 217535.021 | 119.74  |
| PI262     | 526602.903 | 217552.731 | 119.9   |
| PI263     | 526603.293 | 217555.491 | 119.91  |
| PI264     | 526605.733 | 217573.071 | 119.72  |
| PI265     | 526606.263 | 217575.801 | 119.6   |
| PI266     | 526610.353 | 217593.081 | 119.55  |
| PI267     | 526611.113 | 217595.901 | 119.6   |
| PI268     | 526592.835 | 217621.966 | 118.916 |
| PI269     | 526591.095 | 217443.454 | 117.815 |
| PI270     | 526590.285 | 217446.374 | 117.905 |
| PI271     | 526585.325 | 217465.254 | 119.035 |
| PI272     | 526584.625 | 217468.194 | 119.055 |
| PI273     | 526580.545 | 217487.534 | 119.865 |
| PI274     | 526580.005 | 217490.414 | 119.905 |
| PI275     | 526577.565 | 217510.124 | 120.155 |
| PI276     | 526577.475 | 217513.014 | 120.155 |
| PI277     | 526576.595 | 217532.914 | 120.505 |
| PI278     | 526576.475 | 217535.704 | 120.545 |
| PI279     | 526577.485 | 217555.694 | 120.625 |
| PI280     | 526577.755 | 217558.484 | 120.605 |
| PI281     | 526580.545 | 217578.094 | 120.545 |
| PI282     | 526581.175 | 217580.874 | 120.515 |
| PI283     | 526585.635 | 217600.274 | 119.945 |
| PI284     | 526586.425 | 217603.094 | 119.985 |
| PI285     | 526549.72  | 217448.46  | 111.5   |
| PI286     | 526549.68  | 217448.43  | 115.44  |
| PI287     | 526551.06  | 217439.96  | 115.44  |
| PI288     | 526551.1   | 217439.92  | 111.32  |
| PI289     | 526584.82  | 217470.5   | 117.93  |
| PI290     | 526583.85  | 217468.21  | 117.91  |
| PI291     | 526580.897 | 217461.709 | 117.54  |
| PI292     | 526573.766 | 217452.434 | 116.89  |
| PI293     | 526563.197 | 217445.485 | 116.17  |
| PI294     | 526559.127 | 217452.233 | 115.56  |
| PI295     | 526567.545 | 217457.441 | 116.29  |
| PI296     | 526574.426 | 217466.042 | 117.14  |
| PI297     | 526577.199 | 217473.518 | 117.714 |
| PI298     | 526580.66  | 217482.85  | 118.43  |
| PI299     | 526581.07  | 217487.33  | 118.7   |
| PI300     | 526603.45  | 217618.454 | 111.156 |
| PI301     | 526603.617 | 217618.797 | 117.864 |
| PI302     | 526619.62  | 217622.9   | 117.64  |
| PI303     | 526593.88  | 217630.05  | 118.77  |
| PI304     | 526593.91  | 217630.05  | 117.92  |
| PI305     | 526593.932 | 217630.302 | 117.911 |
| PI306     | 526622.912 | 217425.424 | 117.022 |
| PI307     | 526596.197 | 217423.619 | 111.57  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12002    | 483199.757 | 221771.416 | 99.09  |
| P12003    | 483200.464 | 221771.323 | 98.92  |
| P12004    | 483201.387 | 221771.244 | 98.32  |
| P12005    | 483203.009 | 221770.94  | 98.2   |
| P12006    | 483206.396 | 221770.399 | 96.8   |
| P12007    | 483211.763 | 221770.11  | 96.4   |
| P12008    | 483214.703 | 221769.696 | 95.18  |
| P12009    | 483224.63  | 221769.045 | 95.21  |
| P12010    | 483235.108 | 221767.563 | 95.11  |
| P12011    | 483244.64  | 221766.066 | 95.06  |
| P12012    | 483258.133 | 221764.064 | 95.15  |
| P12013    | 483140.794 | 221676.786 | 94.71  |
| P12014    | 483151.295 | 221676.075 | 94.71  |
| P12015    | 483158.583 | 221675.762 | 94.581 |
| P12016    | 483162.599 | 221675.589 | 94.51  |
| P12017    | 483168.588 | 221674.182 | 94.35  |
| P12018    | 483172.037 | 221673.313 | 94.62  |
| P12019    | 483174.969 | 221673.334 | 95.55  |
| P12020    | 483177.286 | 221673.194 | 96.1   |
| P12021    | 483180.374 | 221673.051 | 96.2   |
| P12022    | 483181.783 | 221673.005 | 96.54  |
| P12023    | 483184.29  | 221672.745 | 97.69  |
| P12024    | 483185.936 | 221672.675 | 98.52  |
| P12025    | 483187.229 | 221672.523 | 99.11  |
| P12026    | 483188.097 | 221672.491 | 99.34  |
| P12027    | 483188.745 | 221672.415 | 99.13  |
| P12029    | 483189.553 | 221672.329 | 99.36  |
| P12030    | 483190.352 | 221672.315 | 99.22  |
| P12031    | 483191.637 | 221672.244 | 98.56  |
| P12032    | 483193.009 | 221671.634 | 98.29  |
| P12033    | 483196.066 | 221671.151 | 96.81  |
| P12034    | 483201.755 | 221670.398 | 96.33  |
| P12035    | 483204.622 | 221669.386 | 95.13  |
| P12036    | 483214.92  | 221668.204 | 94.79  |
| P12037    | 483227.903 | 221665.942 | 94.68  |
| P12038    | 483237.359 | 221664.211 | 94.78  |
| P12039    | 483247.287 | 221662.087 | 94.86  |
| P12040    | 483132.89  | 221581.659 | 94.48  |
| P12041    | 483139.169 | 221581.01  | 94.51  |
| P12042    | 483149.363 | 221580.477 | 94.37  |
| P12043    | 483151.486 | 221580.057 | 94.08  |
| P12044    | 483155.149 | 221579.527 | 93.91  |
| P12045    | 483159.363 | 221578.874 | 94.31  |
| P12046    | 483161.763 | 221578.928 | 95.16  |
| P12047    | 483164.278 | 221578.722 | 95.75  |
| P12048    | 483167.013 | 221578.498 | 96.63  |
| P12049    | 483168.437 | 221578.498 | 96.77  |
| P12050    | 483171.309 | 221578.228 | 96.91  |
| P12051    | 483174.984 | 221577.918 | 98.226 |
| P12052    | 483176.533 | 221577.787 | 98.78  |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| PI308     | 526596.665 | 217418.517 | 117.036 |
| GRIN1     | 514470.95  | 212856.78  | 132.88  |
| GRIN2     | 514466.31  | 212865.54  | 132.93  |
| GRIN3     | 514471.39  | 212855.96  | 132.93  |
| GRIN4     | 514471.62  | 212855.6   | 132.94  |
| GRIN5     | 514471.7   | 212855.64  | 134.04  |
| GRIN6     | 514465.78  | 212866.45  | 134.14  |
| GRIN7     | 514465.725 | 212866.435 | 133.04  |
| GRIN9     | 514427.38  | 212833.07  | 132.95  |
| GRIN10    | 514427.29  | 212832.87  | 134.13  |
| GRIN11    | 514422.06  | 212842.94  | 134.15  |
| GRIN12    | 514421.917 | 212843.133 | 132.98  |
| GRIN13    | 514471.645 | 212855.625 | 132.94  |
| GRIN14    | 523070.17  | 217242.13  | 108.58  |
| GRIN15    | 523058.04  | 217272.94  | 108.6   |
| GRIN16    | 523061.74  | 217274.41  | 108.64  |
| GRIN17    | 523073.79  | 217243.58  | 108.33  |
| GRIN18    | 523073.787 | 217243.766 | 112.75  |
| GRIN19    | 523062.1   | 217273.46  | 112.57  |
| GRIN20    | 523058.42  | 217272.02  | 112.56  |
| GRIN21    | 523070.123 | 217242.285 | 112.74  |
| GRIN22    | 522544.503 | 217015.77  | 115.888 |
| GRIN23    | 522545.117 | 217013.986 | 115.89  |
| GRIN24    | 522545.493 | 217014.124 | 115.884 |
| GRIN25    | 522544.88  | 217015.916 | 115.89  |
| GRIN26    | 522542.746 | 217020.121 | 118.687 |
| GRIN27    | 522544.289 | 217016.285 | 115.876 |
| GRIN28    | 522544.675 | 217016.435 | 115.878 |
| GRIN29    | 522543.13  | 217020.265 | 118.684 |
| GRIN30    | 522540.101 | 217026.55  | 121.375 |
| GRIN31    | 522541.81  | 217022.35  | 118.65  |
| GRIN32    | 522542.55  | 217020.623 | 118.68  |
| GRIN33    | 522542.934 | 217020.767 | 118.68  |
| GRIN34    | 522542.18  | 217022.53  | 118.65  |
| GRIN35    | 522540.533 | 217026.718 | 121.373 |
| GRIN36    | 522532.348 | 217047.099 | 121.27  |
| GRIN37    | 522525.419 | 217063.785 | 121.33  |
| GRIN38    | 522524.893 | 217063.575 | 121.33  |
| GRIN39    | 522531.831 | 217046.888 | 121.27  |
| GRIN40    | 522532.14  | 217046.17  | 121.27  |
| GRIN41    | 522539.7   | 217027.447 | 121.371 |
| GRIN42    | 522540.219 | 217027.65  | 121.373 |
| GRIN43    | 522532.65  | 217046.37  | 121.27  |
| GRIN44    | 522521.16  | 217075.155 | 119.04  |
| GRIN45    | 522522.67  | 217071.31  | 121.64  |
| GRIN46    | 522524.08  | 217067.41  | 121.73  |
| GRIN47    | 522524.281 | 217066.906 | 121.31  |
| GRIN48    | 522523.873 | 217066.744 | 121.31  |
| GRIN49    | 522523.71  | 217067.23  | 121.73  |
| GRIN50    | 522522.3   | 217071.13  | 121.64  |



Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12053    | 483177.63  | 221577.839 | 99.29  |
| P12054    | 483178.391 | 221578.042 | 99.51  |
| P12055    | 483179.161 | 221578.049 | 99.28  |
| P12056    | 483179.844 | 221577.985 | 99.5   |
| P12057    | 483180.579 | 221577.961 | 99.3   |
| P12058    | 483181.724 | 221577.763 | 98.67  |
| P12059    | 483182.94  | 221577.449 | 98.44  |
| P12060    | 483185.863 | 221577.205 | 97.21  |
| P12061    | 483190.949 | 221576.689 | 96.51  |
| P12062    | 483194.158 | 221576.135 | 95.05  |
| P12063    | 483200.406 | 221575.686 | 94.5   |
| P12064    | 483209.317 | 221574.709 | 94.42  |
| P12065    | 483219.246 | 221574.068 | 94.6   |
| P12066    | 483119.854 | 221480.777 | 94.23  |
| P12067    | 483125.96  | 221480.623 | 94.24  |
| P12068    | 483136.315 | 221479.659 | 94.23  |
| P12069    | 483143.033 | 221478.153 | 93.9   |
| P12070    | 483149.448 | 221476.753 | 94.2   |
| P12071    | 483155.534 | 221475.532 | 96.09  |
| P12072    | 483157.884 | 221475.252 | 96.8   |
| P12073    | 483160.995 | 221474.914 | 97.02  |
| P12074    | 483164.784 | 221473.974 | 98.7   |
| P12075    | 483165.922 | 221474.014 | 98.95  |
| P12076    | 483167.062 | 221474.038 | 99.55  |
| P12077    | 483167.757 | 221473.968 | 99.511 |
| P12078    | 483168.48  | 221473.895 | 99.47  |
| P12079    | 483169.211 | 221473.905 | 99.7   |
| P12080    | 483169.645 | 221473.843 | 99.5   |
| P12081    | 483170.755 | 221473.813 | 98.91  |
| P12082    | 483171.793 | 221473.846 | 98.77  |
| P12083    | 483173.556 | 221473.69  | 98.3   |
| P12084    | 483176.17  | 221473.728 | 97.41  |
| P12085    | 483180.363 | 221473.416 | 96.63  |
| P12086    | 483182.365 | 221473.241 | 95.45  |
| P12087    | 483187.906 | 221472.811 | 94.49  |
| P12088    | 483193.803 | 221472.361 | 94.31  |
| P12089    | 483200.058 | 221471.582 | 94.29  |
| P12090    | 483203.729 | 221471.191 | 94.21  |
| P12091    | 483112.055 | 221397.436 | 94.24  |
| P12092    | 483119.179 | 221396.816 | 94.3   |
| P12093    | 483128.344 | 221395.799 | 94.38  |
| P12094    | 483133.358 | 221395.149 | 94.28  |
| P12095    | 483139.276 | 221394.321 | 94.27  |
| P12096    | 483146.364 | 221394.206 | 94.84  |
| P12097    | 483150.827 | 221393.532 | 95.75  |
| P12098    | 483153.484 | 221392.301 | 97.37  |
| P12099    | 483156.435 | 221392.241 | 98.99  |
| P12100    | 483157.782 | 221392.36  | 99.14  |
| P12101    | 483158.654 | 221392.239 | 99.64  |
| P12102    | 483159.289 | 221392.373 | 99.86  |

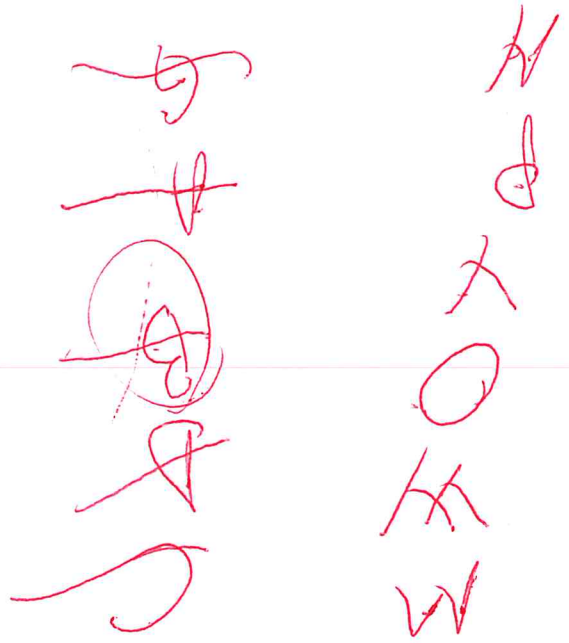
| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| GRIN51    | 522520.82  | 217075.015 | 119.04  |
| GRIN52    | 522520.392 | 217077.621 | 118.95  |
| GRIN53    | 522518.901 | 217082.011 | 116.26  |
| GRIN54    | 522518.548 | 217081.896 | 116.26  |
| GRIN55    | 522520.05  | 217077.48  | 118.95  |
| GRIN56    | 522520.629 | 217075.524 | 119.04  |
| GRIN57    | 522520.971 | 217075.666 | 119.04  |
| GRIN58    | 522518.743 | 217082.492 | 116.26  |
| GRIN59    | 522518.031 | 217084.422 | 116.264 |
| GRIN60    | 522517.682 | 217084.292 | 116.264 |
| GRIN61    | 522518.39  | 217082.376 | 116.26  |
| GRIN62    | 525639.35  | 218315.15  | 112.5   |
| GRIN63    | 525690.34  | 218318.88  | 112.45  |
| GRIN64    | 525690.23  | 218323     | 113.15  |
| GRIN65    | 525638.83  | 218319.23  | 113.07  |
| GRIN66    | 526360.559 | 217865.935 | 111.1   |
| GRIN67    | 526360.629 | 217865.892 | 110.31  |
| GRIN68    | 526360.765 | 217865.738 | 110.18  |
| GRIN69    | 526360.829 | 217865.649 | 109.66  |
| GRIN70    | 526363.323 | 217862.622 | 109.66  |
| GRIN71    | 526363.296 | 217862.558 | 110.15  |
| GRIN72    | 526363.494 | 217862.318 | 110.33  |
| GRIN73    | 526363.44  | 217862.315 | 111.09  |
| GRIN74    | 526355.542 | 217856.466 | 110.26  |
| GRIN75    | 526352.583 | 217860.043 | 111.07  |
| GRIN76    | 526352.818 | 217859.759 | 110.08  |
| GRIN77    | 526355.271 | 217856.792 | 109.68  |
| GRIN78    | 526355.3   | 217856.758 | 110.27  |
| GRIN79    | 526795.17  | 217270     | 111.14  |
| GRIN80    | 526801.1   | 217274.23  | 111.15  |
| GRIN81    | 526796.74  | 217280.02  | 111.19  |
| GRIN82    | 526790.99  | 217275.89  | 111.17  |
| GRIN83    | 526796.71  | 217280.03  | 110.47  |
| GRIN84    | 526796.91  | 217279.8   | 110.47  |
| GRIN85    | 526796.85  | 217279.57  | 110.11  |
| GRIN86    | 526797.5   | 217278.71  | 110.11  |
| GRIN87    | 526799.86  | 217275.58  | 110.11  |
| GRIN88    | 526800.63  | 217274.61  | 110.1   |
| GRIN89    | 526800.86  | 217274.53  | 110.49  |
| GRIN90    | 526801.09  | 217274.15  | 110.39  |
| GRIN91    | 526791.75  | 217274.58  | 110.09  |
| GRIN92    | 526794.11  | 217271.45  | 110.09  |
| GRIN93    | 526794.88  | 217270.48  | 110.08  |
| GRIN94    | 526794.963 | 217270.292 | 110.37  |
| GRIN95    | 526791.153 | 217275.661 | 110.45  |
| GRIN96    | 526791.1   | 217275.44  | 110.09  |
| GRIN97    | 526797.49  | 217283.13  | 109.02  |
| GRIN98    | 526797.84  | 217283.39  | 109     |
| GRIN99    | 526803.75  | 217276.07  | 109.06  |
| GRIN100   | 526803.45  | 217275.81  | 109.09  |

Inventar de coordnate puncte masurate

| Den.Punct | X          | Y          | h      |
|-----------|------------|------------|--------|
| P12103    | 483160.059 | 221392.321 | 99.63  |
| P12104    | 483160.823 | 221392.201 | 99.86  |
| P12105    | 483161.44  | 221392.139 | 99.65  |
| P12106    | 483162.13  | 221392.065 | 99.25  |
| P12107    | 483164.229 | 221391.831 | 98.64  |
| P12108    | 483168.101 | 221391.882 | 97.61  |
| P12109    | 483171.959 | 221391.541 | 96.79  |
| P12110    | 483175.929 | 221391.172 | 95.84  |
| P12111    | 483179.161 | 221390.725 | 94.87  |
| P12112    | 483182.214 | 221390.532 | 94.345 |
| P12113    | 483182.304 | 221390.526 | 94.33  |
| P12114    | 483183.396 | 221390.628 | 94.13  |
| P12115    | 483109.969 | 221309.553 | 93.95  |
| P12116    | 483115.052 | 221307.958 | 93.96  |
| P12117    | 483119.557 | 221307.249 | 93.92  |
| P12118    | 483124.813 | 221307.112 | 94.11  |
| P12119    | 483129.845 | 221306.958 | 94.3   |
| P12120    | 483133.323 | 221306.782 | 94.95  |
| P12121    | 483139.702 | 221306.032 | 97.26  |
| P12122    | 483141.369 | 221305.924 | 97.43  |
| P12123    | 483143.605 | 221305.558 | 97.66  |
| P12124    | 483145.051 | 221305.559 | 98.12  |
| P12125    | 483147.527 | 221305.604 | 99.24  |
| P12126    | 483148.861 | 221305.434 | 99.39  |
| P12127    | 483149.673 | 221305.394 | 99.86  |
| P12128    | 483150.28  | 221305.375 | 100.02 |
| P12129    | 483151.019 | 221305.255 | 99.79  |
| P12130    | 483151.79  | 221305.076 | 100.01 |
| P12131    | 483152.405 | 221304.993 | 99.87  |
| P12132    | 483153.645 | 221304.745 | 99.24  |
| P12133    | 483157.206 | 221304.259 | 98.12  |
| P12134    | 483162.731 | 221303.702 | 96.83  |
| P12135    | 483167.273 | 221303.176 | 95.48  |
| P12136    | 483170.513 | 221303.009 | 94.21  |
| P12137    | 483171.409 | 221302.838 | 93.78  |
| P12138    | 483083.112 | 221078.577 | 94.48  |
| P12139    | 483094.012 | 221074.029 | 95.12  |
| P12140    | 483100.027 | 221072.11  | 95.58  |
| P12141    | 483106.155 | 221070.527 | 96.03  |
| P12142    | 483109.422 | 221069.769 | 96.26  |
| P12143    | 483116.662 | 221067.287 | 98.24  |
| P12144    | 483118.402 | 221066.975 | 98.36  |
| P12145    | 483120.796 | 221066.716 | 98.58  |
| P12146    | 483123.291 | 221066.572 | 99.463 |
| P12147    | 483124.301 | 221066.514 | 99.82  |
| P12148    | 483125.109 | 221066.419 | 100.31 |
| P12149    | 483125.734 | 221066.351 | 100.55 |
| P12150    | 483126.547 | 221066.223 | 100.33 |
| P12151    | 483127.283 | 221066.251 | 100.55 |
| P12152    | 483127.923 | 221066.189 | 100.35 |

| Den.Punct | X          | Y          | h       |
|-----------|------------|------------|---------|
| CON1      | 523053.99  | 217271.39  | 113.02  |
| CON2      | 523053.33  | 217276.96  | 109.43  |
| CON3      | 523053.99  | 217271.39  | 113.02  |
| CON4      | 523055     | 217276.55  | 109     |
| CON5      | 523055     | 217276.55  | 109     |
| CON6      | 523053.33  | 217276.96  | 109.43  |
| CON7      | 523051.66  | 217276.57  | 109.5   |
| CON8      | 523053.99  | 217271.39  | 113.02  |
| CON9      | 523057.07  | 217272.57  | 108.99  |
| CON10     | 523055     | 217276.55  | 109     |
| CON11     | 523065.76  | 217276.02  | 113.07  |
| CON12     | 523060.95  | 217278.509 | 109.01  |
| CON13     | 523062.7   | 217274.79  | 109     |
| CON14     | 523060.95  | 217278.509 | 109.01  |
| CON15     | 523061.253 | 217280.373 | 109.44  |
| CON16     | 523062.531 | 217281.516 | 109.51  |
| CON17     | 523065.76  | 217276.02  | 113.07  |
| CON18     | 523062.531 | 217281.516 | 109.51  |
| CON19     | 523065.76  | 217276.02  | 113.07  |
| CON20     | 523061.253 | 217280.373 | 109.44  |
| CON21     | 523062.531 | 217281.516 | 109.51  |
| CON22     | 523065.76  | 217276.02  | 109     |
| CON23     | 523053.99  | 217271.39  | 108.99  |
| CON24     | 523051.66  | 217276.57  | 109.5   |
| CON25     | 525692.265 | 218308.423 | 108.29  |
| CON26     | 525687.355 | 218309.654 | 108.06  |
| CON27     | 525684.792 | 218312.514 | 108     |
| CON28     | 525684.539 | 218317.445 | 108.1   |
| CON29     | 525692.185 | 218316.555 | 112.96  |
| CON30     | 525692.185 | 218316.555 | 112.96  |
| CON31     | 525684.792 | 218312.514 | 108     |
| CON32     | 525692.185 | 218316.555 | 112.96  |
| CON33     | 525687.355 | 218309.654 | 108.06  |
| CON34     | 525692.185 | 218316.555 | 112.96  |
| CON35     | 525684.539 | 218317.445 | 108.1   |
| CON36     | 525683.165 | 218324.083 | 108.29  |
| CON37     | 525683.024 | 218327.129 | 108.3   |
| CON38     | 525684.497 | 218330.217 | 108.33  |
| CON39     | 525689.697 | 218331.903 | 108.33  |
| CON40     | 525692.294 | 218331.719 | 108.35  |
| CON41     | 525692.389 | 218324.443 | 112.9   |
| CON42     | 525692.389 | 218324.443 | 112.9   |
| CON43     | 525683.024 | 218327.129 | 108.3   |
| CON44     | 525692.389 | 218324.443 | 112.9   |
| CON45     | 525684.497 | 218330.217 | 108.33  |
| CON46     | 525692.389 | 218324.443 | 112.9   |
| CON47     | 525689.697 | 218331.903 | 108.33  |
| CON48     | 525634.858 | 218321.338 | 112.805 |
| CON49     | 525642.473 | 218322.355 | 108.3   |
| CON50     | 525642.643 | 218325.859 | 108.4   |

PROFIL LONGITUDINAL  
TWY M



PISA - N  
- S  
Profile lengkap.  
Bekas.

## *Reteaua geodezică de sprijin*

### INVENTAR DE COORDONATE CU PUNCTELE RETELEI GEODEZICE DE SPRIJIN

| Nr. punct    | Denumirea punctului | X (m)       | Y (m)       | Z (m)    |
|--------------|---------------------|-------------|-------------|----------|
| Puncte vechi |                     |             |             |          |
| 1            | RESI                | 426168.1060 | 256908.0470 | 256.1150 |
| 2            | FAGE                | 487749.6410 | 280960.4510 | 173.0790 |
| 3            | TIM1                | 482495.1240 | 207132.2490 | 111.6410 |
| 4            | ARAD                | 525763.8290 | 217967.3850 | 124.9700 |
| Puncte noi   |                     |             |             |          |
| 5            | FX01                | 439235.2099 | 280717.1579 | 204.5000 |
| 6            | FX02                | 440039.9122 | 280552.7662 | 203.0600 |
| 7            | FX03                | 442363.7768 | 279958.9018 | 194.2300 |
| 8            | FX04                | 445656.6763 | 279038.1113 | 178.5100 |
| 9            | FX05                | 446222.7015 | 278751.7595 | 179.1200 |
| 10           | FX06                | 448907.5583 | 278257.7973 | 175.2100 |
| 11           | FX07                | 453293.8856 | 276960.9516 | 162.1200 |
| 12           | FX08                | 453841.5576 | 276799.2286 | 161.9700 |
| 13           | FX09                | 456648.4338 | 274718.3308 | 153.9800 |
| 14           | FX10                | 458689.9020 | 272421.2310 | 148.1000 |
| 15           | FX11                | 458892.8632 | 272120.1122 | 147.7000 |
| 16           | FX12                | 460869.4725 | 269538.1845 | 143.0700 |
| 17           | FX13                | 462414.3624 | 268153.6674 | 139.6400 |
| 18           | FX14                | 462758.5262 | 267649.7412 | 138.6900 |
| 19           | FX15                | 465660.5123 | 263831.9383 | 130.5700 |
| 20           | FX16                | 465884.8046 | 263262.2246 | 129.6500 |
| 21           | FX17                | 467245.2436 | 260686.6526 | 123.6200 |
| 22           | FX18                | 468962.6196 | 258620.6306 | 121.9200 |
| 23           | FX19                | 469538.4710 | 258109.2390 | 121.4000 |
| 24           | FX20                | 470833.7692 | 256851.4272 | 118.3200 |
| 25           | FX21                | 474619.6923 | 253155.4433 | 114.5200 |
| 26           | FX22                | 474789.8611 | 252946.8641 | 113.0800 |
| 27           | FX23                | 475878.3750 | 251950.6590 | 111.2200 |
| 28           | FX24                | 476648.7932 | 248717.1052 | 111.0400 |
| 29           | FX25                | 476755.5005 | 248126.4865 | 109.9700 |
| 30           | FX26                | 477441.0986 | 244874.9006 | 109.9700 |
| 31           | FX27                | 477547.5620 | 244269.1400 | 108.5400 |
| 32           | FX28                | 478104.2589 | 241369.9979 | 103.8700 |
| 33           | FX29                | 479826.0223 | 238561.4093 | 103.9100 |
| 34           | FX30                | 479846.7971 | 237782.3411 | 103.5400 |
| 35           | FX31                | 481773.4991 | 231826.8471 | 100.0300 |

|    |      |             |             |          |
|----|------|-------------|-------------|----------|
| 36 | FX32 | 483090.5695 | 227490.4085 | 98.8100  |
| 37 | FX33 | 483160.5202 | 226681.1102 | 98.2400  |
| 38 | FX34 | 483052.6653 | 220612.4693 | 100.9800 |
| 39 | FX35 | 482749.8975 | 217477.2905 | 99.6100  |
| 40 | FX36 | 482680.6309 | 216820.3269 | 98.7500  |
| 41 | FX37 | 481932.8598 | 212253.5418 | 90.2800  |
| 42 | FX38 | 481507.0210 | 208967.5520 | 90.9100  |
| 43 | FX39 | 481037.6121 | 208195.2221 | 91.0200  |
| 44 | FX40 | 479522.3577 | 205360.6397 | 88.9400  |
| 45 | FX41 | 479150.6279 | 203904.4979 | 88.1600  |
| 46 | FX42 | 480838.8808 | 202934.7708 | 86.5200  |
| 47 | FX43 | 484255.0009 | 202264.4759 | 90.0300  |
| 48 | FX44 | 485072.5929 | 202089.2889 | 91.2100  |
| 49 | FX45 | 487732.7933 | 201535.4163 | 89.8100  |
| 50 | FX46 | 490253.8421 | 201126.2021 | 93.0300  |
| 51 | FX47 | 491106.8455 | 201166.3285 | 95.1500  |
| 52 | FX48 | 497054.3640 | 203090.5630 | 126.3200 |
| 53 | FX49 | 497590.9998 | 203192.0948 | 126.4300 |
| 54 | FX50 | 502663.0587 | 204795.9897 | 123.0100 |
| 55 | FX51 | 503235.4066 | 205015.9476 | 122.8100 |
| 56 | FX52 | 507947.3000 | 205157.8330 | 102.4500 |
| 57 | FX53 | 508722.7116 | 205728.7616 | 104.9000 |
| 58 | FX54 | 509353.1074 | 206397.1994 | 105.6200 |
| 59 | FX55 | 513260.7577 | 211525.8607 | 132.5300 |
| 60 | FX56 | 513574.4900 | 211930.3760 | 133.5600 |
| 61 | FX57 | 514254.1711 | 212765.7281 | 128.1500 |
| 62 | FX58 | 517121.9648 | 214808.6548 | 141.9500 |
| 63 | FX59 | 517608.6316 | 215007.9096 | 138.9100 |
| 64 | FX60 | 518611.5147 | 215454.9497 | 133.2100 |
| 65 | FX61 | 522132.5337 | 216872.0507 | 114.9800 |
| 66 | FX62 | 522357.5714 | 216960.6954 | 114.6900 |
| 67 | FX63 | 522716.9968 | 217105.5648 | 114.5600 |
| 68 | FX64 | 522946.8719 | 217247.6579 | 113.3000 |
| 69 | FX65 | 524750.7643 | 217490.0213 | 109.7000 |
| 70 | FX66 | 525029.7502 | 217812.2452 | 108.9500 |
| 71 | FX67 | 525667.7582 | 218260.6462 | 108.1800 |
| 72 | FX68 | 526551.0667 | 217662.4567 | 110.4600 |
| 73 | FX69 | 526871.5850 | 217199.2950 | 110.3200 |

## DATE TEHNICE ALE COMPENSĂRII RETELEI DE SPRIJIN

|   |                         |
|---|-------------------------|
| <b>Metoda de compensare</b>   |                         |
| <ul style="list-style-type: none"> <li>- metoda observatiilor indirecte ponderate;</li> <li>- compensare în bloc pentru triangulație și trilateratie;</li> <li>- compensare în bloc pentru diferențele de coordonate <math>\Delta x</math> și <math>\Delta y</math></li> <li>- rețea constrânsă pe punctele vechi.</li> </ul> |                         |
| Numărul total de puncte în rețea  | 73                      |
| - puncte vechi  | 4                       |
| - puncte noi  | 69                      |
| Suprafața aproximativă a rețelei :  | 6975.07 km <sup>2</sup> |
| Lungimea medie a unei laturi  | 53658 m                 |

### COMPENSAREA MĂSURĂTORILOR GPS( $\Delta X$ )

| Punct de stație | Punct determinat | $\Delta x$ măsurată<br>[m] | Corecție<br>[mm] | $\Delta x$<br>compensată<br>[m] |
|-----------------|------------------|----------------------------|------------------|---------------------------------|
| RESI            | TIM1             | 56327.018                  | 0                | 56327.018                       |
|                 | ARAD             | 99595.723                  | 0                | 99595.723                       |
|                 | FX01             | 13067.166                  | -62              | 13067.104                       |
|                 | FX02             | 13871.758                  | 48               | 13871.806                       |
|                 | FX03             | 16195.662                  | 9                | 16195.671                       |
|                 | FX04             | 19488.567                  | 3                | 19488.570                       |
|                 | FX05             | 20054.624                  | -29              | 20054.595                       |
|                 | FX06             | 22739.505                  | -53              | 22739.452                       |
|                 | FX07             | 27125.793                  | -13              | 27125.780                       |
|                 | FX08             | 27673.473                  | -21              | 27673.452                       |
|                 | FX09             | 30480.366                  | -38              | 30480.328                       |
|                 | FX10             | 32521.781                  | 15               | 32521.796                       |
|                 | FX11             | 32724.741                  | 16               | 32724.757                       |
|                 | FX12             | 34701.320                  | 46               | 34701.366                       |
|                 | FX13             | 36246.241                  | 15               | 36246.256                       |
|                 | FX14             | 36590.424                  | -4               | 36590.420                       |
|                 | FX15             | 39492.455                  | -49              | 39492.406                       |
|                 | FX16             | 39716.665                  | 34               | 39716.699                       |
|                 | FX17             | 41077.136                  | 2                | 41077.138                       |
|                 | FX18             | 42794.498                  | 16               | 42794.514                       |
|                 | FX19             | 43370.344                  | 21               | 43370.365                       |
|                 | FX20             | 44665.693                  | -30              | 44665.663                       |
|                 | FX21             | 48451.586                  | 0                | 48451.586                       |
|                 | FX22             | 48621.723                  | 32               | 48621.755                       |
| FX23            | 49710.303        | -34                        | 49710.269        |                                 |
| FX24            | 50480.749        | -62                        | 50480.687        |                                 |

| Punct de stație | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX25             | 50587.373               | 21            | 50587.394                 |
|                 | FX26             | 51272.970               | 23            | 51272.993                 |
|                 | FX27             | 51379.460               | -4            | 51379.456                 |
|                 | FX28             | 51936.141               | 12            | 51936.153                 |
|                 | FX29             | 53657.910               | 6             | 53657.916                 |
|                 | FX30             | 53678.696               | -5            | 53678.691                 |
|                 | FX31             | 55605.383               | 10            | 55605.393                 |
|                 | FX32             | 56922.469               | -6            | 56922.463                 |
|                 | FX33             | 56992.409               | 5             | 56992.414                 |
|                 | FX34             | 56884.468               | 91            | 56884.559                 |
|                 | FX35             | 56581.784               | 8             | 56581.792                 |
|                 | FX36             | 56512.544               | -19           | 56512.525                 |
|                 | FX37             | 55764.779               | -25           | 55764.754                 |
|                 | FX38             | 55338.827               | 88            | 55338.915                 |
|                 | FX39             | 54869.539               | -33           | 54869.506                 |
|                 | FX40             | 53354.254               | -2            | 53354.252                 |
|                 | FX41             | 52982.601               | -79           | 52982.522                 |
|                 | FX42             | 54670.750               | 25            | 54670.775                 |
|                 | FX43             | 58086.819               | 76            | 58086.895                 |
|                 | FX44             | 58904.511               | -24           | 58904.487                 |
|                 | FX45             | 61564.636               | 51            | 61564.687                 |
|                 | FX46             | 64085.716               | 20            | 64085.736                 |
|                 | FX47             | 64938.805               | -66           | 64938.739                 |
|                 | FX48             | 70886.168               | 90            | 70886.258                 |
|                 | FX49             | 71422.923               | -29           | 71422.894                 |
|                 | FX50             | 76494.957               | -4            | 76494.953                 |
|                 | FX51             | 77067.366               | -65           | 77067.301                 |
|                 | FX52             | 81779.057               | 137           | 81779.194                 |
|                 | FX53             | 82554.672               | -66           | 82554.606                 |
|                 | FX54             | 83185.087               | -86           | 83185.001                 |
|                 | FX55             | 87092.726               | -74           | 87092.652                 |
|                 | FX56             | 87406.312               | 72            | 87406.384                 |
|                 | FX57             | 88085.935               | 130           | 88086.065                 |
|                 | FX58             | 90953.718               | 141           | 90953.859                 |
|                 | FX59             | 91440.544               | -18           | 91440.526                 |
|                 | FX60             | 92443.360               | 49            | 92443.409                 |
|                 | FX61             | 95964.470               | -42           | 95964.428                 |
|                 | FX62             | 96189.519               | -54           | 96189.465                 |
|                 | FX63             | 96548.814               | 77            | 96548.891                 |
|                 | FX64             | 96778.570               | 196           | 96778.766                 |
|                 | FX65             | 98582.579               | 79            | 98582.658                 |
|                 | FX66             | 98861.769               | -125          | 98861.644                 |
|                 | FX67             | 99499.581               | 71            | 99499.652                 |
|                 | FX68             | 100382.834              | 127           | 100382.961                |
|                 | FX69             | 100703.537              | -58           | 100703.479                |

| Punct de stație | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
| FAGE            | RESI             | -61581.535              | 0             | -61581.535                |
|                 | TIM1             | -5254.517               | 0             | -5254.517                 |
|                 | ARAD             | 38014.188               | 0             | 38014.188                 |
|                 | FX01             | -48514.528              | 97            | -48514.431                |
|                 | FX02             | -47709.738              | 9             | -47709.729                |
|                 | FX03             | -45385.887              | 23            | -45385.864                |
|                 | FX04             | -42093.003              | 38            | -42092.965                |
|                 | FX05             | -41526.915              | -25           | -41526.940                |
|                 | FX06             | -38842.035              | -48           | -38842.083                |
|                 | FX07             | -34455.759              | 4             | -34455.755                |
|                 | FX08             | -33908.060              | -23           | -33908.083                |
|                 | FX09             | -31101.204              | -3            | -31101.207                |
|                 | FX10             | -29059.770              | 31            | -29059.739                |
|                 | FX11             | -28856.735              | -43           | -28856.778                |
|                 | FX12             | -26880.146              | -23           | -26880.169                |
|                 | FX13             | -25335.307              | 28            | -25335.279                |
|                 | FX14             | -24991.109              | -6            | -24991.115                |
|                 | FX15             | -22089.091              | -38           | -22089.129                |
|                 | FX16             | -21864.804              | -32           | -21864.836                |
|                 | FX17             | -20504.372              | -25           | -20504.397                |
|                 | FX18             | -18787.016              | -5            | -18787.021                |
|                 | FX19             | -18211.223              | 53            | -18211.170                |
|                 | FX20             | -16915.862              | -10           | -16915.872                |
|                 | FX21             | -13129.933              | -16           | -13129.949                |
|                 | FX22             | -12959.784              | 4             | -12959.780                |
|                 | FX23             | -11871.224              | -42           | -11871.266                |
|                 | FX24             | -11100.803              | -45           | -11100.848                |
|                 | FX25             | -10994.189              | 48            | -10994.141                |
|                 | FX26             | -10308.565              | 23            | -10308.542                |
|                 | FX27             | -10202.056              | -23           | -10202.079                |
|                 | FX28             | -9645.339               | -43           | -9645.382                 |
|                 | FX29             | -7923.662               | 43            | -7923.619                 |
|                 | FX30             | -7902.839               | -5            | -7902.844                 |
|                 | FX31             | -5976.077               | -65           | -5976.142                 |
|                 | FX32             | -4659.033               | -39           | -4659.072                 |
|                 | FX33             | -4589.083               | -38           | -4589.121                 |
|                 | FX34             | -4697.055               | 79            | -4696.976                 |
|                 | FX35             | -4999.745               | 2             | -4999.743                 |
|                 | FX36             | -5068.927               | -83           | -5069.010                 |
|                 | FX37             | -5816.743               | -38           | -5816.781                 |
|                 | FX38             | -6242.666               | 46            | -6242.620                 |
|                 | FX39             | -6712.032               | 3             | -6712.029                 |
| FX40            | -8227.285        | 2                       | -8227.283     |                           |
| FX41            | -8598.938        | -75                     | -8599.013     |                           |
| FX42            | -6910.763        | 3                       | -6910.760     |                           |



| Punct de statie | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX43             | -3494.685               | 45            | -3494.640                 |
|                 | FX44             | -2677.059               | 11            | -2677.048                 |
|                 | FX45             | -16.827                 | -21           | -16.848                   |
|                 | FX46             | 2504.216                | -15           | 2504.201                  |
|                 | FX47             | 3357.304                | -100          | 3357.204                  |
|                 | FX48             | 9304.620                | 103           | 9304.723                  |
|                 | FX49             | 9841.305                | 54            | 9841.359                  |
|                 | FX50             | 14913.497               | -79           | 14913.418                 |
|                 | FX51             | 15485.851               | -85           | 15485.766                 |
|                 | FX52             | 20197.514               | 145           | 20197.659                 |
|                 | FX53             | 20973.181               | -110          | 20973.071                 |
|                 | FX54             | 21603.578               | -112          | 21603.466                 |
|                 | FX55             | 25511.291               | -174          | 25511.117                 |
|                 | FX56             | 25824.753               | 96            | 25824.849                 |
|                 | FX57             | 26504.427               | 103           | 26504.530                 |
|                 | FX58             | 29372.155               | 169           | 29372.324                 |
|                 | FX59             | 29858.892               | 99            | 29858.991                 |
|                 | FX60             | 30861.743               | 131           | 30861.874                 |
|                 | FX61             | 34382.958               | -65           | 34382.893                 |
|                 | FX62             | 34607.906               | 24            | 34607.930                 |
|                 | FX63             | 34967.235               | 121           | 34967.356                 |
|                 | FX64             | 35197.038               | 193           | 35197.231                 |
|                 | FX65             | 37001.008               | 115           | 37001.123                 |
|                 | FX66             | 37280.247               | -138          | 37280.109                 |
|                 | FX67             | 37918.013               | 104           | 37918.117                 |
|                 | FX68             | 38801.311               | 115           | 38801.426                 |
|                 | FX69             | 39122.037               | -93           | 39121.944                 |
| TIM1            | RESI             | -56327.018              | 0             | -56327.018                |
|                 | FAGE             | 5254.517                | 0             | 5254.517                  |
|                 | ARAD             | 43268.705               | 0             | 43268.705                 |
|                 | FX01             | -43259.968              | 54            | -43259.914                |
|                 | FX02             | -42455.246              | 34            | -42455.212                |
|                 | FX03             | -40131.380              | 33            | -40131.347                |
|                 | FX04             | -36838.485              | 37            | -36838.448                |
|                 | FX05             | -36272.431              | 8             | -36272.423                |
|                 | FX06             | -33587.659              | 93            | -33587.566                |
|                 | FX07             | -29201.300              | 62            | -29201.238                |
|                 | FX08             | -28653.599              | 33            | -28653.566                |
|                 | FX09             | -25846.735              | 45            | -25846.690                |
|                 | FX10             | -23805.173              | -49           | -23805.222                |
|                 | FX11             | -23602.337              | 76            | -23602.261                |
|                 | FX12             | -21625.552              | -100          | -21625.652                |
|                 | FX13             | -20080.804              | 42            | -20080.762                |
|                 | FX14             | -19736.620              | 22            | -19736.598                |
|                 | FX15             | -16834.610              | -2            | -16834.612                |

| Punct de stație | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX16             | -16610.231              | -88           | -16610.319                |
|                 | FX17             | -15249.966              | 86            | -15249.880                |
|                 | FX18             | -13532.447              | -57           | -13532.504                |
|                 | FX19             | -12956.610              | -43           | -12956.653                |
|                 | FX20             | -11661.449              | 94            | -11661.355                |
|                 | FX21             | -7875.548               | 116           | -7875.432                 |
|                 | FX22             | -7705.315               | 52            | -7705.263                 |
|                 | FX23             | -6616.736               | -13           | -6616.749                 |
|                 | FX24             | -5846.398               | 67            | -5846.331                 |
|                 | FX25             | -5739.680               | 56            | -5739.624                 |
|                 | FX26             | -5053.924               | -101          | -5054.025                 |
|                 | FX27             | -4947.541               | -21           | -4947.562                 |
|                 | FX28             | -4390.836               | -29           | -4390.865                 |
|                 | FX29             | -2669.003               | -99           | -2669.102                 |
|                 | FX30             | -2648.385               | 58            | -2648.327                 |
|                 | FX31             | -721.611                | -14           | -721.625                  |
|                 | FX32             | 595.406                 | 39            | 595.445                   |
|                 | FX33             | 665.446                 | -50           | 665.396                   |
|                 | FX34             | 557.520                 | 21            | 557.541                   |
|                 | FX35             | 254.825                 | -51           | 254.774                   |
|                 | FX36             | 185.516                 | -9            | 185.507                   |
|                 | FX37             | -562.269                | 5             | -562.264                  |
|                 | FX38             | -988.091                | -12           | -988.103                  |
|                 | FX39             | -1457.515               | 3             | -1457.512                 |
|                 | FX40             | -2972.762               | -4            | -2972.766                 |
|                 | FX41             | -3344.523               | 27            | -3344.496                 |
|                 | FX42             | -1656.253               | 10            | -1656.243                 |
|                 | FX43             | 1759.868                | 9             | 1759.877                  |
|                 | FX44             | 2577.476                | -7            | 2577.469                  |
|                 | FX45             | 5237.649                | 20            | 5237.669                  |
|                 | FX46             | 7758.659                | 59            | 7758.718                  |
|                 | FX47             | 8611.706                | 15            | 8611.721                  |
|                 | FX48             | 14559.264               | -24           | 14559.240                 |
|                 | FX49             | 15095.919               | -43           | 15095.876                 |
|                 | FX50             | 20167.893               | 42            | 20167.935                 |
|                 | FX51             | 20740.279               | 4             | 20740.283                 |
|                 | FX52             | 25452.119               | 57            | 25452.176                 |
|                 | FX53             | 26227.609               | -21           | 26227.588                 |
|                 | FX54             | 26858.035               | -52           | 26857.983                 |
|                 | FX55             | 30765.740               | -106          | 30765.634                 |
|                 | FX56             | 31079.361               | 5             | 31079.366                 |
|                 | FX57             | 31758.973               | 74            | 31759.047                 |
|                 | FX58             | 34626.780               | 61            | 34626.841                 |
|                 | FX59             | 35113.553               | -45           | 35113.508                 |
|                 | FX60             | 36116.353               | 38            | 36116.391                 |

| Punct de stație | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX61             | 39637.593               | -183          | 39637.410                 |
|                 | FX62             | 39862.409               | 38            | 39862.447                 |
|                 | FX63             | 40221.789               | 84            | 40221.873                 |
|                 | FX64             | 40451.625               | 123           | 40451.748                 |
|                 | FX65             | 42255.675               | -35           | 42255.640                 |
|                 | FX66             | 42534.795               | -169          | 42534.626                 |
|                 | FX67             | 43172.609               | 25            | 43172.634                 |
|                 | FX68             | 44055.725               | 218           | 44055.943                 |
|                 | FX69             | 44376.518               | -57           | 44376.461                 |
| ARAD            | RESI             | -99595.723              | 0             | -99595.723                |
|                 | FAGE             | -38014.188              | 0             | -38014.188                |
|                 | TIM1             | -43268.705              | 0             | -43268.705                |
|                 | FX01             | -86528.576              | -43           | -86528.619                |
|                 | FX02             | -85723.657              | -260          | -85723.917                |
|                 | FX03             | -83399.932              | -120          | -83400.052                |
|                 | FX04             | -80107.005              | -148          | -80107.153                |
|                 | FX05             | -79541.273              | 145           | -79541.128                |
|                 | FX06             | -76856.442              | 171           | -76856.271                |
|                 | FX07             | -72469.898              | -45           | -72469.943                |
|                 | FX08             | -71922.351              | 80            | -71922.271                |
|                 | FX09             | -69115.445              | 50            | -69115.395                |
|                 | FX10             | -67073.864              | -63           | -67073.927                |
|                 | FX11             | -66870.957              | -9            | -66870.966                |
|                 | FX12             | -64894.440              | 83            | -64894.357                |
|                 | FX13             | -63349.294              | -173          | -63349.467                |
|                 | FX14             | -63005.298              | -5            | -63005.303                |
|                 | FX15             | -60103.517              | 200           | -60103.317                |
|                 | FX16             | -59879.165              | 141           | -59879.024                |
|                 | FX17             | -58518.536              | -49           | -58518.585                |
|                 | FX18             | -56801.275              | 66            | -56801.209                |
|                 | FX19             | -56225.253              | -105          | -56225.358                |
|                 | FX20             | -54930.000              | -60           | -54930.060                |
|                 | FX21             | -51144.016              | -121          | -51144.137                |
|                 | FX22             | -50973.848              | -120          | -50973.968                |
|                 | FX23             | -49885.590              | 136           | -49885.454                |
|                 | FX24             | -49115.090              | 54            | -49115.036                |
|                 | FX25             | -49008.142              | -187          | -49008.329                |
|                 | FX26             | -48322.819              | 89            | -48322.730                |
|                 | FX27             | -48216.336              | 69            | -48216.267                |
|                 | FX28             | -47659.660              | 90            | -47659.570                |
|                 | FX29             | -45937.909              | 102           | -45937.807                |
|                 | FX30             | -45916.946              | -86           | -45917.032                |
|                 | FX31             | -43990.407              | 77            | -43990.330                |
|                 | FX32             | -42673.211              | -49           | -42673.260                |
|                 | FX33             | -42603.445              | 136           | -42603.309                |

| Punct de stație | Punct determinat | $\Delta x$ măsurată [m] | Corectie [mm] | $\Delta x$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX34             | -42710.977              | -187          | -42711.164                |
|                 | FX35             | -43014.143              | 212           | -43013.931                |
|                 | FX36             | -43083.308              | 110           | -43083.198                |
|                 | FX38             | -44256.985              | 177           | -44256.808                |
|                 | FX39             | -44726.157              | -60           | -44726.217                |
|                 | FX40             | -46241.531              | 60            | -46241.471                |
|                 | FX41             | -46613.021              | -180          | -46613.201                |
|                 | FX42             | -44924.827              | -121          | -44924.948                |
|                 | FX43             | -41508.685              | -143          | -41508.828                |
|                 | FX44             | -40691.297              | 61            | -40691.236                |
|                 | FX45             | -38030.911              | -125          | -38031.036                |
|                 | FX46             | -35509.744              | -243          | -35509.987                |
|                 | FX47             | -34657.007              | 23            | -34656.984                |
|                 | FX48             | -28709.441              | -24           | -28709.465                |
|                 | FX49             | -28172.906              | 77            | -28172.829                |
|                 | FX50             | -23100.745              | -25           | -23100.770                |
|                 | FX51             | -22528.466              | 44            | -22528.422                |
|                 | FX52             | -17816.410              | -119          | -17816.529                |
|                 | FX53             | -17041.178              | 61            | -17041.117                |
|                 | FX54             | -16410.806              | 84            | -16410.722                |
|                 | FX55             | -12503.164              | 93            | -12503.071                |
|                 | FX56             | -12189.309              | -30           | -12189.339                |
|                 | FX57             | -11509.594              | -64           | -11509.658                |
|                 | FX58             | -8641.814               | -50           | -8641.864                 |
|                 | FX59             | -8155.198               | 1             | -8155.197                 |
|                 | FX60             | -7152.289               | -25           | -7152.314                 |
|                 | FX61             | -3631.317               | 22            | -3631.295                 |
|                 | FX62             | -3406.255               | -3            | -3406.258                 |
|                 | FX63             | -3046.818               | -14           | -3046.832                 |
|                 | FX64             | -2816.935               | -22           | -2816.957                 |
|                 | FX65             | -1013.063               | -2            | -1013.065                 |
|                 | FX66             | -734.084                | 5             | -734.079                  |
|                 | FX67             | -96.070                 | -1            | -96.071                   |
|                 | FX68             | 787.244                 | -6            | 787.238                   |
|                 | FX69             | 1107.752                | 4             | 1107.756                  |

|  |       |
|--|-------|
| Numărul total de $\Delta x$ măsurate         | 287   |
| Numărul mediu de $\Delta x$ într-o stație    | 72    |
| Precizia impusă la măsurarea unei $\Delta x$ | 10 mm |
| Corectia medie aplicată unei $\Delta x$      | 20 mm |
| Corectia maximă aplicată unei $\Delta x$     | 60 mm |
| $[pvv] \Delta x$                             | 3250  |

## COMPENSAREA MĂSURĂTORILOR GPS( $\Delta Y$ )

| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
| RESI            | FAGE             | 24052.404               | 0             | 24052.404                 |
|                 | TIM1             | -49775.798              | 0             | -49775.798                |
|                 | ARAD             | -38940.662              | 0             | -38940.662                |
|                 | FX01             | 23809.173               | -62           | 23809.111                 |
|                 | FX02             | 23644.671               | 48            | 23644.719                 |
|                 | FX03             | 23050.846               | 9             | 23050.855                 |
|                 | FX04             | 22130.061               | 3             | 22130.064                 |
|                 | FX05             | 21843.741               | -29           | 21843.712                 |
|                 | FX06             | 21349.803               | -53           | 21349.750                 |
|                 | FX07             | 20052.918               | -13           | 20052.905                 |
|                 | FX08             | 19891.203               | -21           | 19891.182                 |
|                 | FX09             | 17810.322               | -38           | 17810.284                 |
|                 | FX10             | 15513.169               | 15            | 15513.184                 |
|                 | FX11             | 15212.049               | 16            | 15212.065                 |
|                 | FX12             | 12630.091               | 46            | 12630.137                 |
|                 | FX13             | 11245.605               | 15            | 11245.620                 |
|                 | FX14             | 10741.698               | -4            | 10741.694                 |
|                 | FX15             | 6923.940                | -49           | 6923.891                  |
|                 | FX16             | 6354.144                | 34            | 6354.178                  |
|                 | FX17             | 3778.604                | 2             | 3778.606                  |
|                 | FX18             | 1712.568                | 16            | 1712.584                  |
|                 | FX19             | 1201.171                | 21            | 1201.192                  |
|                 | FX20             | -56.590                 | -30           | -56.620                   |
|                 | FX21             | -3752.604               | 0             | -3752.604                 |
|                 | FX22             | -3961.215               | 32            | -3961.183                 |
|                 | FX23             | -4957.354               | -34           | -4957.388                 |
|                 | FX24             | -8190.880               | -62           | -8190.942                 |
|                 | FX25             | -8781.582               | 21            | -8781.561                 |
|                 | FX26             | -12033.169              | 23            | -12033.146                |
|                 | FX27             | -12638.903              | -4            | -12638.907                |
|                 | FX28             | -15538.061              | 12            | -15538.049                |
|                 | FX29             | -18346.644              | 6             | -18346.638                |
|                 | FX30             | -19125.701              | -5            | -19125.706                |
|                 | FX31             | -25081.210              | 10            | -25081.200                |
|                 | FX32             | -29417.633              | -6            | -29417.639                |
|                 | FX33             | -30226.942              | 5             | -30226.937                |
|                 | FX34             | -36295.669              | 91            | -36295.578                |
|                 | FX35             | -39430.764              | 8             | -39430.756                |
|                 | FX36             | -40087.701              | -19           | -40087.720                |
|                 | FX37             | -44654.480              | -25           | -44654.505                |
| FX38            | -47940.583       | 88                      | -47940.495    |                           |
| FX39            | -48712.792       | -33                     | -48712.825    |                           |
| FX40            | -51547.405       | -2                      | -51547.407    |                           |

| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX41             | -53003.470              | -79           | -53003.549                |
|                 | FX42             | -53973.301              | 25            | -53973.276                |
|                 | FX43             | -54643.647              | 76            | -54643.571                |
|                 | FX44             | -54818.734              | -24           | -54818.758                |
|                 | FX45             | -55372.682              | 51            | -55372.631                |
|                 | FX46             | -55781.865              | 20            | -55781.845                |
|                 | FX47             | -55741.653              | -66           | -55741.719                |
|                 | FX48             | -53817.574              | 90            | -53817.484                |
|                 | FX49             | -53715.923              | -29           | -53715.952                |
|                 | FX50             | -52112.053              | -4            | -52112.057                |
|                 | FX51             | -51892.034              | -65           | -51892.099                |
|                 | FX52             | -51750.351              | 137           | -51750.214                |
|                 | FX53             | -51179.219              | -66           | -51179.285                |
|                 | FX54             | -50510.762              | -86           | -50510.848                |
|                 | FX55             | -45382.112              | -74           | -45382.186                |
|                 | FX56             | -44977.743              | 72            | -44977.671                |
|                 | FX57             | -44142.449              | 130           | -44142.319                |
|                 | FX58             | -42099.533              | 141           | -42099.392                |
|                 | FX59             | -41900.119              | -18           | -41900.137                |
|                 | FX60             | -41453.146              | 49            | -41453.097                |
|                 | FX61             | -40035.954              | -42           | -40035.996                |
|                 | FX62             | -39947.298              | -54           | -39947.352                |
|                 | FX63             | -39802.559              | 77            | -39802.482                |
|                 | FX64             | -39660.585              | 196           | -39660.389                |
|                 | FX65             | -39418.105              | 79            | -39418.026                |
|                 | FX66             | -39095.677              | -125          | -39095.802                |
|                 | FX67             | -38647.472              | 71            | -38647.401                |
|                 | FX68             | -39245.717              | 127           | -39245.590                |
|                 | FX69             | -39708.694              | -58           | -39708.752                |
| FAGE            | RESI             | -24052.404              | 0             | -24052.404                |
|                 | TIM1             | -73828.202              | 0             | -73828.202                |
|                 | ARAD             | -62993.066              | 0             | -62993.066                |
|                 | FX01             | -243.390                | 97            | -243.293                  |
|                 | FX02             | -407.694                | 9             | -407.685                  |
|                 | FX03             | -1001.572               | 23            | -1001.549                 |
|                 | FX04             | -1922.378               | 38            | -1922.340                 |
|                 | FX05             | -2208.667               | -25           | -2208.692                 |
|                 | FX06             | -2702.606               | -48           | -2702.654                 |
|                 | FX07             | -3999.503               | 4             | -3999.499                 |
|                 | FX08             | -4161.199               | -23           | -4161.222                 |
|                 | FX09             | -6242.117               | -3            | -6242.120                 |
|                 | FX10             | -8539.251               | 31            | -8539.220                 |
|                 | FX11             | -8840.296               | -43           | -8840.339                 |
|                 | FX12             | -11422.244              | -23           | -11422.267                |
|                 | FX13             | -12806.812              | 28            | -12806.784                |

| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX14             | -13310.704              | -6            | -13310.710                |
|                 | FX15             | -17128.475              | -38           | -17128.513                |
|                 | FX16             | -17698.194              | -32           | -17698.226                |
|                 | FX17             | -20273.773              | -25           | -20273.798                |
|                 | FX18             | -22339.815              | -5            | -22339.820                |
|                 | FX19             | -22851.265              | 53            | -22851.212                |
|                 | FX20             | -24109.014              | -10           | -24109.024                |
|                 | FX21             | -27804.992              | -16           | -27805.008                |
|                 | FX22             | -28013.591              | 4             | -28013.587                |
|                 | FX23             | -29009.750              | -42           | -29009.792                |
|                 | FX24             | -32243.301              | -45           | -32243.346                |
|                 | FX25             | -32834.013              | 48            | -32833.965                |
|                 | FX26             | -36085.573              | 23            | -36085.550                |
|                 | FX27             | -36691.288              | -23           | -36691.311                |
|                 | FX28             | -39590.410              | -43           | -39590.453                |
|                 | FX29             | -42399.085              | 43            | -42399.042                |
|                 | FX30             | -43178.105              | -5            | -43178.110                |
|                 | FX31             | -49133.539              | -65           | -49133.604                |
|                 | FX32             | -53470.004              | -39           | -53470.043                |
|                 | FX33             | -54279.303              | -38           | -54279.341                |
|                 | FX34             | -60348.061              | 79            | -60347.982                |
|                 | FX35             | -63483.162              | 2             | -63483.160                |
|                 | FX36             | -64140.041              | -83           | -64140.124                |
|                 | FX37             | -68706.871              | -38           | -68706.909                |
|                 | FX38             | -71992.945              | 46            | -71992.899                |
|                 | FX39             | -72765.232              | 3             | -72765.229                |
|                 | FX40             | -75599.813              | 2             | -75599.811                |
|                 | FX41             | -77055.878              | -75           | -77055.953                |
|                 | FX42             | -78025.683              | 3             | -78025.680                |
|                 | FX43             | -78696.020              | 45            | -78695.975                |
|                 | FX44             | -78871.173              | 11            | -78871.162                |
|                 | FX45             | -79425.014              | -21           | -79425.035                |
|                 | FX46             | -79834.234              | -15           | -79834.249                |
|                 | FX47             | -79794.023              | -100          | -79794.123                |
|                 | FX48             | -77869.991              | 103           | -77869.888                |
|                 | FX49             | -77768.410              | 54            | -77768.356                |
|                 | FX50             | -76164.382              | -79           | -76164.461                |
|                 | FX51             | -75944.418              | -85           | -75944.503                |
|                 | FX52             | -75802.763              | 145           | -75802.618                |
|                 | FX53             | -75231.579              | -110          | -75231.689                |
|                 | FX54             | -74563.140              | -112          | -74563.252                |
|                 | FX55             | -69434.416              | -174          | -69434.590                |
|                 | FX56             | -69030.171              | 96            | -69030.075                |
|                 | FX57             | -68194.826              | 103           | -68194.723                |
|                 | FX58             | -66151.965              | 169           | -66151.796                |

| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX59             | -65952.640              | 99            | -65952.541                |
|                 | FX60             | -65505.632              | 131           | -65505.501                |
|                 | FX61             | -64088.335              | -65           | -64088.400                |
|                 | FX62             | -63999.780              | 24            | -63999.756                |
|                 | FX63             | -63855.007              | 121           | -63854.886                |
|                 | FX64             | -63712.986              | 193           | -63712.793                |
|                 | FX65             | -63470.545              | 115           | -63470.430                |
|                 | FX66             | -63148.068              | -138          | -63148.206                |
|                 | FX67             | -62699.909              | 104           | -62699.805                |
|                 | FX68             | -63298.109              | 115           | -63297.994                |
|                 | FX69             | -63761.063              | -93           | -63761.156                |
| TIM1            | RESI             | 49775.798               | 0             | 49775.798                 |
|                 | FAGE             | 73828.202               | 0             | 73828.202                 |
|                 | ARAD             | 10835.136               | 0             | 10835.136                 |
|                 | FX01             | 73584.855               | 54            | 73584.909                 |
|                 | FX02             | 73420.483               | 34            | 73420.517                 |
|                 | FX03             | 72826.620               | 33            | 72826.653                 |
|                 | FX04             | 71905.825               | 37            | 71905.862                 |
|                 | FX05             | 71619.502               | 8             | 71619.510                 |
|                 | FX06             | 71125.455               | 93            | 71125.548                 |
|                 | FX07             | 69828.641               | 62            | 69828.703                 |
|                 | FX08             | 69666.947               | 33            | 69666.980                 |
|                 | FX09             | 67586.037               | 45            | 67586.082                 |
|                 | FX10             | 65289.031               | -49           | 65288.982                 |
|                 | FX11             | 64987.787               | 76            | 64987.863                 |
|                 | FX12             | 62406.035               | -100          | 62405.935                 |
|                 | FX13             | 61021.376               | 42            | 61021.418                 |
|                 | FX14             | 60517.470               | 22            | 60517.492                 |
|                 | FX15             | 56699.691               | -2            | 56699.689                 |
|                 | FX16             | 56130.064               | -88           | 56129.976                 |
|                 | FX17             | 53554.318               | 86            | 53554.404                 |
|                 | FX18             | 51488.439               | -57           | 51488.382                 |
|                 | FX19             | 50977.033               | -43           | 50976.990                 |
|                 | FX20             | 49719.084               | 94            | 49719.178                 |
|                 | FX21             | 46023.078               | 116           | 46023.194                 |
|                 | FX22             | 45814.563               | 52            | 45814.615                 |
|                 | FX23             | 44818.423               | -13           | 44818.410                 |
|                 | FX24             | 41584.789               | 67            | 41584.856                 |
|                 | FX25             | 40994.181               | 56            | 40994.237                 |
|                 | FX26             | 37742.753               | -101          | 37742.652                 |
|                 | FX27             | 37136.912               | -21           | 37136.891                 |
|                 | FX28             | 34237.778               | -29           | 34237.749                 |
|                 | FX29             | 31429.259               | -99           | 31429.160                 |
|                 | FX30             | 30650.034               | 58            | 30650.092                 |
|                 | FX31             | 24694.612               | -14           | 24694.598                 |



| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX32             | 20358.120               | 39            | 20358.159                 |
|                 | FX33             | 19548.911               | -50           | 19548.861                 |
|                 | FX34             | 13480.199               | 21            | 13480.220                 |
|                 | FX35             | 10345.093               | -51           | 10345.042                 |
|                 | FX36             | 9688.087                | -9            | 9688.078                  |
|                 | FX37             | 5121.288                | 5             | 5121.293                  |
|                 | FX38             | 1835.315                | -12           | 1835.303                  |
|                 | FX39             | 1062.970                | 3             | 1062.973                  |
|                 | FX40             | -1771.605               | -4            | -1771.609                 |
|                 | FX41             | -3227.778               | 27            | -3227.751                 |
|                 | FX42             | -4197.488               | 10            | -4197.478                 |
|                 | FX43             | -4867.782               | 9             | -4867.773                 |
|                 | FX44             | -5042.953               | -7            | -5042.960                 |
|                 | FX45             | -5596.853               | 20            | -5596.833                 |
|                 | FX46             | -6006.106               | 59            | -6006.047                 |
|                 | FX47             | -5965.936               | 15            | -5965.921                 |
|                 | FX48             | -4041.662               | -24           | -4041.686                 |
|                 | FX49             | -3940.111               | -43           | -3940.154                 |
|                 | FX50             | -2336.301               | 42            | -2336.259                 |
|                 | FX51             | -2116.305               | 4             | -2116.301                 |
|                 | FX52             | -1974.473               | 57            | -1974.416                 |
|                 | FX53             | -1403.466               | -21           | -1403.487                 |
|                 | FX54             | -734.998                | -52           | -735.050                  |
|                 | FX55             | 4393.718                | -106          | 4393.612                  |
|                 | FX56             | 4798.122                | 5             | 4798.127                  |
|                 | FX57             | 5633.405                | 74            | 5633.479                  |
|                 | FX58             | 7676.345                | 61            | 7676.406                  |
|                 | FX59             | 7875.706                | -45           | 7875.661                  |
|                 | FX60             | 8322.663                | 38            | 8322.701                  |
|                 | FX61             | 9739.985                | -183          | 9739.802                  |
|                 | FX62             | 9828.408                | 38            | 9828.446                  |
|                 | FX63             | 9973.232                | 84            | 9973.316                  |
|                 | FX64             | 10115.286               | 123           | 10115.409                 |
|                 | FX65             | 10357.807               | -35           | 10357.772                 |
|                 | FX66             | 10680.165               | -169          | 10679.996                 |
|                 | FX67             | 11128.372               | 25            | 11128.397                 |
|                 | FX68             | 10529.990               | 218           | 10530.208                 |
|                 | FX69             | 10067.103               | -57           | 10067.046                 |
| ARAD            | RESI             | 38940.662               | 0             | 38940.662                 |
|                 | FAGE             | 62993.066               | 0             | 62993.066                 |
|                 | TIM1             | -10835.136              | 0             | -10835.136                |
|                 | FX01             | 62749.816               | -43           | 62749.773                 |
|                 | FX02             | 62585.641               | -260          | 62585.381                 |
|                 | FX03             | 61991.637               | -120          | 61991.517                 |
|                 | FX04             | 61070.874               | -148          | 61070.726                 |

| Punct de stație | Punct determinat | $\Delta y$ măsurată<br>[m] | Corectie<br>[mm] | $\Delta y$<br>compensată<br>[m] |
|-----------------|------------------|----------------------------|------------------|---------------------------------|
|                 | FX05             | 60784.229                  | 145              | 60784.374                       |
|                 | FX06             | 60290.241                  | 171              | 60290.412                       |
|                 | FX07             | 58993.612                  | -45              | 58993.567                       |
|                 | FX08             | 58831.764                  | 80               | 58831.844                       |
|                 | FX09             | 56750.896                  | 50               | 56750.946                       |
|                 | FX10             | 54453.909                  | -63              | 54453.846                       |
|                 | FX11             | 54152.736                  | -9               | 54152.727                       |
|                 | FX12             | 51570.716                  | 83               | 51570.799                       |
|                 | FX13             | 50186.455                  | -173             | 50186.282                       |
|                 | FX14             | 49682.361                  | -5               | 49682.356                       |
|                 | FX15             | 45864.353                  | 200              | 45864.553                       |
|                 | FX16             | 45294.699                  | 141              | 45294.840                       |
|                 | FX17             | 42719.317                  | -49              | 42719.268                       |
|                 | FX18             | 40653.180                  | 66               | 40653.246                       |
|                 | FX19             | 40141.959                  | -105             | 40141.854                       |
|                 | FX20             | 38884.102                  | -60              | 38884.042                       |
|                 | FX21             | 35188.179                  | -121             | 35188.058                       |
|                 | FX22             | 34979.599                  | -120             | 34979.479                       |
|                 | FX23             | 33983.138                  | 136              | 33983.274                       |
|                 | FX24             | 30749.666                  | 54               | 30749.720                       |
|                 | FX25             | 30159.288                  | -187             | 30159.101                       |
|                 | FX26             | 26907.427                  | 89               | 26907.516                       |
|                 | FX27             | 26301.686                  | 69               | 26301.755                       |
|                 | FX28             | 23402.523                  | 90               | 23402.613                       |
|                 | FX29             | 20593.922                  | 102              | 20594.024                       |
|                 | FX30             | 19815.042                  | -86              | 19814.956                       |
|                 | FX31             | 13859.385                  | 77               | 13859.462                       |
|                 | FX32             | 9523.072                   | -49              | 9523.023                        |
|                 | FX33             | 8713.589                   | 136              | 8713.725                        |
|                 | FX34             | 2645.271                   | -187             | 2645.084                        |
|                 | FX35             | -490.306                   | 212              | -490.094                        |
|                 | FX36             | -1147.168                  | 110              | -1147.058                       |
|                 | FX38             | -9000.010                  | 177              | -8999.833                       |
|                 | FX39             | -9772.103                  | -60              | -9772.163                       |
|                 | FX40             | -12606.805                 | 60               | -12606.745                      |
|                 | FX41             | -14062.707                 | -180             | -14062.887                      |
|                 | FX42             | -15032.493                 | -121             | -15032.614                      |
|                 | FX43             | -15702.766                 | -143             | -15702.909                      |
|                 | FX44             | -15878.157                 | 61               | -15878.096                      |
|                 | FX45             | -16431.844                 | -125             | -16431.969                      |
|                 | FX46             | -16840.940                 | -243             | -16841.183                      |
|                 | FX47             | -16801.080                 | 23               | -16801.057                      |
|                 | FX48             | -14876.798                 | -24              | -14876.822                      |
|                 | FX49             | -14775.367                 | 77               | -14775.290                      |
|                 | FX50             | -13171.370                 | -25              | -13171.395                      |

| Punct de stație | Punct determinat | $\Delta y$ măsurată [m] | Corectie [mm] | $\Delta y$ compensată [m] |
|-----------------|------------------|-------------------------|---------------|---------------------------|
|                 | FX51             | -12951.481              | 44            | -12951.437                |
|                 | FX52             | -12809.433              | -119          | -12809.552                |
|                 | FX53             | -12238.684              | 61            | -12238.623                |
|                 | FX54             | -11570.270              | 84            | -11570.186                |
|                 | FX55             | -6441.617               | 93            | -6441.524                 |
|                 | FX56             | -6036.979               | -30           | -6037.009                 |
|                 | FX57             | -5201.593               | -64           | -5201.657                 |
|                 | FX58             | -3158.680               | -50           | -3158.730                 |
|                 | FX59             | -2959.476               | 1             | -2959.475                 |
|                 | FX60             | -2512.410               | -25           | -2512.435                 |
|                 | FX61             | -1095.356               | 22            | -1095.334                 |
|                 | FX62             | -1006.687               | -3            | -1006.690                 |
|                 | FX63             | -861.806                | -14           | -861.820                  |
|                 | FX64             | -719.705                | -22           | -719.727                  |
|                 | FX65             | -477.362                | -2            | -477.364                  |
|                 | FX66             | -155.145                | 5             | -155.140                  |
|                 | FX67             | 293.262                 | -1            | 293.261                   |
|                 | FX68             | -304.922                | -6            | -304.928                  |
|                 | FX69             | -768.094                | 4             | -768.090                  |

|  |       |
|--|-------|
| Numărul total de $\Delta y$ măsurate         | 287   |
| Numărul mediu de $\Delta y$ într-o stație    | 72    |
| Precizia impusă la măsurarea unei $\Delta y$ | 20 mm |
| Corecția medie aplicată unei $\Delta y$      | 57 mm |
| Corecția maximă aplicată unei $\Delta y$     | 70 mm |
| [pvv] $\Delta y$                             | 3250  |

## COMPENSAREA COORDONATELOR

| Denumirea punctului | X [m]      | $m_x$ [mm] | Y [m]      | $m_y$ [mm] | $m_t$ [mm] |
|---------------------|------------|------------|------------|------------|------------|
| RESI                | 426168.106 | 0          | 256908.047 | 0          | 0          |
| FAGE                | 487749.641 | 0          | 280960.451 | 0          | 0          |
| TIM1                | 482495.124 | 0          | 207132.249 | 0          | 0          |
| ARAD                | 525763.829 | 0          | 217967.385 | 0          | 0          |
| FX01                | 439235.210 | 22         | 280717.158 | 22         | 31         |
| FX02                | 440039.912 | 22         | 280552.766 | 22         | 31         |
| FX03                | 442363.777 | 22         | 279958.902 | 22         | 31         |
| FX04                | 445656.676 | 22         | 279038.111 | 22         | 31         |
| FX05                | 446222.701 | 22         | 278751.759 | 22         | 31         |
| FX06                | 448907.558 | 21         | 278257.797 | 21         | 30         |
| FX07                | 453293.886 | 21         | 276960.952 | 21         | 30         |

| Denumirea punctului | X [m]      | mx [mm] | Y [m]      | my [mm] | mt [mm] |
|---------------------|------------|---------|------------|---------|---------|
| FX08                | 453841.558 | 21      | 276799.229 | 21      | 30      |
| FX09                | 456648.434 | 21      | 274718.331 | 21      | 30      |
| FX10                | 458689.902 | 21      | 272421.231 | 21      | 29      |
| FX11                | 458892.863 | 21      | 272120.112 | 21      | 29      |
| FX12                | 460869.472 | 21      | 269538.184 | 21      | 29      |
| FX13                | 462414.362 | 20      | 268153.667 | 20      | 29      |
| FX14                | 462758.526 | 20      | 267649.741 | 20      | 29      |
| FX15                | 465660.512 | 20      | 263831.938 | 20      | 29      |
| FX16                | 465884.805 | 20      | 263262.225 | 20      | 29      |
| FX17                | 467245.244 | 20      | 260686.653 | 20      | 29      |
| FX18                | 468962.620 | 20      | 258620.631 | 20      | 29      |
| FX19                | 469538.471 | 20      | 258109.239 | 20      | 29      |
| FX20                | 470833.769 | 20      | 256851.427 | 20      | 29      |
| FX21                | 474619.692 | 20      | 253155.443 | 20      | 29      |
| FX22                | 474789.861 | 20      | 252946.864 | 20      | 29      |
| FX23                | 475878.375 | 20      | 251950.659 | 20      | 29      |
| FX24                | 476648.793 | 20      | 248717.105 | 20      | 29      |
| FX25                | 476755.500 | 20      | 248126.486 | 20      | 29      |
| FX26                | 477441.099 | 20      | 244874.901 | 20      | 29      |
| FX27                | 477547.562 | 20      | 244269.140 | 20      | 29      |
| FX28                | 478104.259 | 20      | 241369.998 | 20      | 29      |
| FX29                | 479826.022 | 20      | 238561.409 | 20      | 28      |
| FX30                | 479846.797 | 20      | 237782.341 | 20      | 28      |
| FX31                | 481773.499 | 20      | 231826.847 | 20      | 28      |
| FX32                | 483090.569 | 19      | 227490.408 | 19      | 26      |
| FX33                | 483160.520 | 19      | 226681.110 | 19      | 26      |
| FX34                | 483052.665 | 17      | 220612.469 | 17      | 24      |
| FX35                | 482749.898 | 16      | 217477.291 | 16      | 22      |
| FX36                | 482680.631 | 15      | 216820.327 | 15      | 22      |
| FX37                | 481932.860 | 13      | 212253.542 | 13      | 18      |
| FX38                | 481507.021 | 8       | 208967.552 | 8       | 12      |
| FX39                | 481037.612 | 8       | 208195.222 | 8       | 11      |
| FX40                | 479522.358 | 11      | 205360.640 | 11      | 15      |
| FX41                | 479150.628 | 12      | 203904.498 | 12      | 17      |
| FX42                | 480838.881 | 12      | 202934.771 | 12      | 17      |
| FX43                | 484255.001 | 12      | 202264.476 | 12      | 18      |
| FX44                | 485072.593 | 13      | 202089.289 | 13      | 18      |
| FX45                | 487732.793 | 14      | 201535.416 | 14      | 20      |
| FX46                | 490253.842 | 16      | 201126.202 | 16      | 22      |
| FX47                | 491106.845 | 16      | 201166.328 | 16      | 23      |
| FX48                | 497054.364 | 18      | 203090.563 | 18      | 25      |
| FX49                | 497591.000 | 18      | 203192.095 | 18      | 25      |
| FX50                | 502663.059 | 18      | 204795.990 | 18      | 26      |
| FX51                | 503235.407 | 18      | 205015.948 | 18      | 26      |
| FX52                | 507947.300 | 19      | 205157.833 | 19      | 26      |
| FX53                | 508722.712 | 18      | 205728.762 | 18      | 26      |

| Denumirea punctului | X [m]      | mx [mm] | Y [m]      | my [mm] | mt [mm] |
|---------------------|------------|---------|------------|---------|---------|
| FX54                | 509353.107 | 18      | 206397.199 | 18      | 26      |
| FX55                | 513260.758 | 17      | 211525.861 | 17      | 24      |
| FX56                | 513574.490 | 17      | 211930.376 | 17      | 24      |
| FX57                | 514254.171 | 17      | 212765.728 | 17      | 24      |
| FX58                | 517121.965 | 15      | 214808.655 | 15      | 22      |
| FX59                | 517608.632 | 15      | 215007.910 | 15      | 21      |
| FX60                | 518611.515 | 14      | 215454.950 | 14      | 20      |
| FX61                | 522132.534 | 11      | 216872.051 | 11      | 15      |
| FX62                | 522357.571 | 11      | 216960.695 | 11      | 15      |
| FX63                | 522716.997 | 10      | 217105.565 | 10      | 14      |
| FX64                | 522946.872 | 10      | 217247.658 | 10      | 14      |
| FX65                | 524750.764 | 6       | 217490.021 | 6       | 9       |
| FX66                | 525029.750 | 5       | 217812.245 | 5       | 7       |
| FX67                | 525667.758 | 3       | 218260.646 | 3       | 5       |
| FX68                | 526551.067 | 6       | 217662.457 | 6       | 8       |
| FX69                | 526871.585 | 7       | 217199.295 | 7       | 10      |

|  |       |
|--|-------|
| <b>Punctul cel mai slab determinat din retea</b> | FX02  |
| - eroarea de determinare pe axa x                | 22 mm |
| - eroarea de determinare pe axa y                | 22 mm |
| - eroarea totală de determinare                  | 31 mm |
| <b>Eroarea medie de determinare a unui punct</b> | 17 mm |

S.C. GEOTER PROIECT S.R.L.



### STRUCTURA GENERALĂ A CODIFICĂRII

În cadrul lucrării codificarea planşelor este alcătuită din 14 caractere, împărţite în 8 grupuri.

| Faza lucrării | Nr.LOT     | Staţie sau interval | Obiect      | Tipul lucrării | Tipul planşei | Nr planşei  | Nr revizie |
|---------------|------------|---------------------|-------------|----------------|---------------|-------------|------------|
| 3 caractere   | 1 caracter | 2 caractere         | 2 caractere | 1 caracter     | 1 caracter    | 3 caractere | 1 caracter |

**Primul grup** este alcătuit din 3 caractere și reprezintă faza lucrării

SFP – Studiul de Fezabilitate Preliminar  
SFF – Studiu de Fezabilitate Final

**Al doilea grup** este alcătuit dintr-un caracter și reprezintă numărul de LOT

- 0 = Toate loturile
- 1 = LOT CARANSEBEŞ - LUGOJ
- 2 = LOT LUGOJ - TIMIŞOARA EST
- 3 = LOT TIMIŞOARA EST- RONAT TRIAJ GR. D
- 4 = LOT RONAT TRIAJ GR. D – ARAD

**Al treilea grup** este alcătuit din 2 caractere (2 cifre) și reprezintă stația sau intervalul de stație.

Codificarea pe stații și intervale de stație se prezintă în modul următor:

|                                    |    |
|------------------------------------|----|
| <b>General</b>                     | 00 |
| <b>Caransebeş</b>                  | 01 |
| Caransebeş – Zăgujeni              | 02 |
| Zăgujeni                           | 03 |
| Zăgujeni – Căvăran                 | 04 |
| Căvăran                            | 05 |
| Căvăran – Jena                     | 06 |
| Jena                               | 07 |
| Jena – Găvojdia                    | 08 |
| Găvojdia                           | 09 |
| Găvojdia – Tapia                   | 10 |
| Tapia                              | 11 |
| Tapia – Lugoj                      | 12 |
| <b>Lugoj</b>                       | 01 |
| Lugoj – Jabăr                      | 02 |
| Jabăr                              | 03 |
| Jabăr – Belinț                     | 04 |
| Belinț                             | 05 |
| Belinț – Chizătău                  | 06 |
| Chizătău                           | 07 |
| Chizătău – Topolovăț               | 08 |
| Topolovăț                          | 09 |
| Topolovăț – Recaş                  | 10 |
| Recaş                              | 11 |
| Recaş – Remetea Mare               | 12 |
| Remetea Mare                       | 13 |
| Remetea Mare – Timișoara Est       | 14 |
| <b>Timișoara Est</b>               | 01 |
| Timișoara Est – Timișoara Nord     | 02 |
| Timișoara Nord                     | 03 |
| Timișoara Nord – Ronaț Triaj Gr. D | 04 |
| <b>Ronaț Triaj gr. D</b>           | 05 |

|                                |   |
|--------------------------------|---|
| Ronaţ Triaj Gr. D – Sânanndrei | 01  |
| Sânanndrei                     | 02  |
| Sânanndrei – Băile Calacea     | 03  |
| Băile Calacea                  | 04  |
| Băile Calacea – Orţişoara      | 05  |
| Orţişoara                      | 06  |
| Orţişoara – Vinga              | 07  |
| Vinga                          | 08  |
| Vinga – Şag                    | 09  |
| Şag                            | 10  |
| Şag – Valea Viilor             | 11  |
| Valea Viilor                   | 12  |
| Valea Viilor – Aradu Nou       | 13  |
| Aradu Nou                      | 14  |
| Aradu Nou – Arad               | 15  |
| <b>Arad</b>                    | <b>16 (în funcţie de proiectele de pe tronsonul adiacent)</b> |
| Aradu Nou – Glogovăţ           | 17  |

**Al patrulea grup** este alcătuit din 2 caractere (2 litere) și reprezintă Obiectul

Obiectul "Studiu Topografic" este codificat indicativul **ST**.

**Al cincilea grup** este alcătuit din 1 caracter și reprezintă Tipul lucrării, codificat cu caracterul "0".

**Al șaselea grup** este alcătuit din 1 caracter și reprezintă Tipul planșei

- 0 Plan de încadrare
- 1 Plan de situație general
- 2 Plan de situație
- 3 Profil/secțiune longitudinal(ă)
- 4 Profil/secțiune transversal(ă)
- 5 Dispoziție generală
- 6 Releveu
- 7 Schemă
- 8 Schiță
- 9 Planuri speciale
- X Alte planșe

**Al șaptelea grup** este alcătuit din 3 caractere și reprezintă Nr. Planșei

**Al optulea grup** este alcătuit din 1 caracter și reprezintă Nr. revizie