

MB 86-11

GEOCHIMIE DES SEDIMENTS DE RUISSEAU - REGION DU LAC BRISSON

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SÉRIE DES MANUSCRITS BRUTS

Géochimie des sédiments de ruisseau – Région du lac Brisson –

Michel B. Otis

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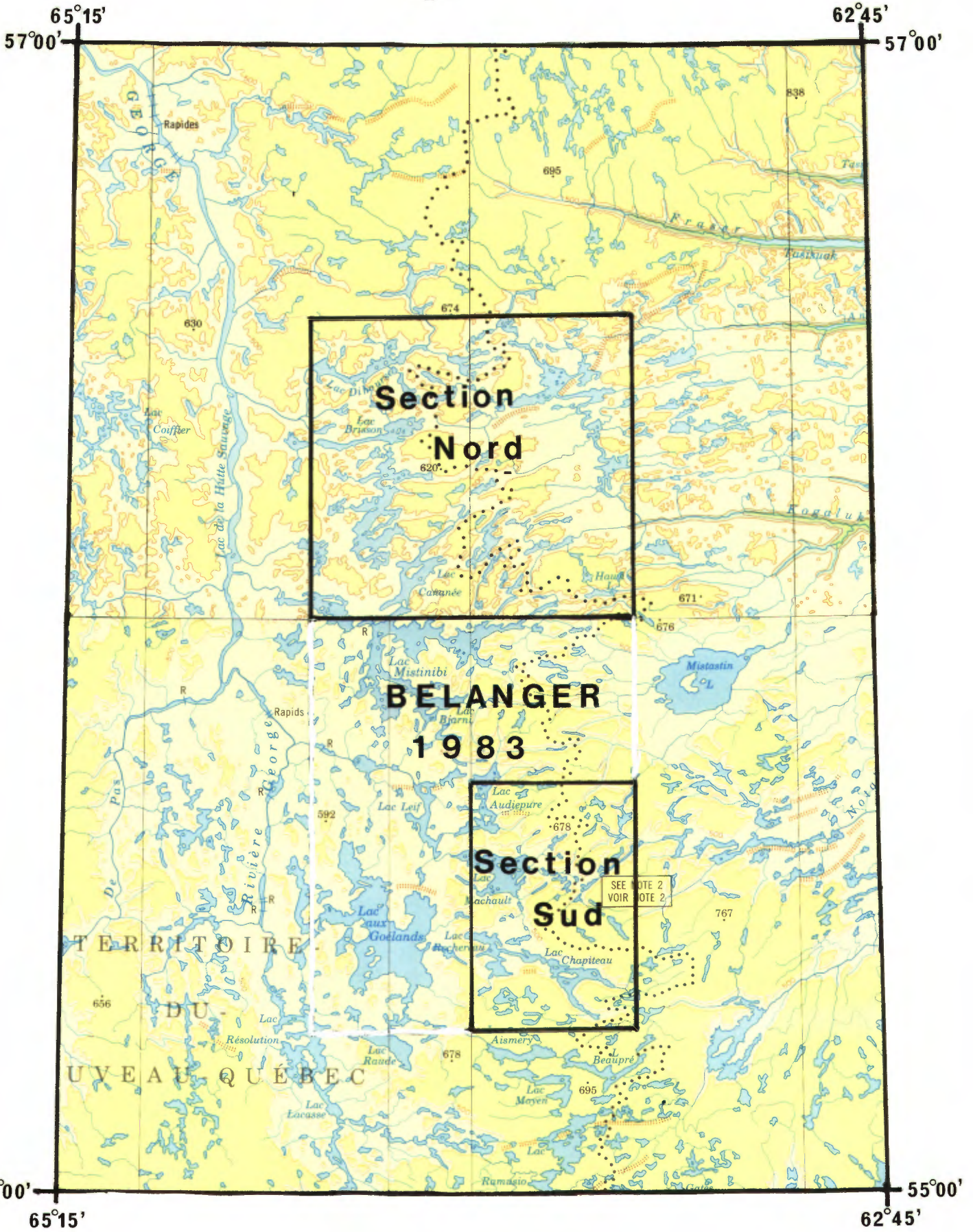
INTRODUCTION

Durant l'été 1983, un levé géochimique de sédiments de ruisseau fut effectué parallèlement à la cartographie géologique du Lac Brisson par M. Bélanger et son équipe (Bélanger, 1984).

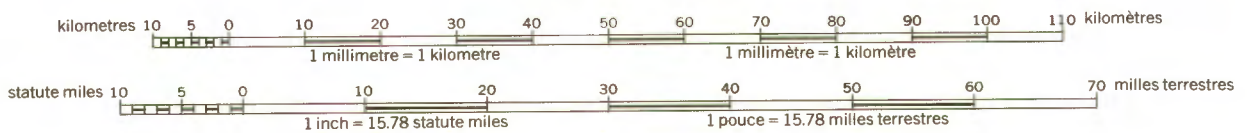
Le but du levé était de définir le fond géochimique régional et s'il y a lieu de mettre en évidence des zones prioritaires pour l'exploration minérale. La région échantillonnée se situe entre les latitudes 56°00'00" et 56°30'00" et les longitudes 63°30'00" et 64°30'00" pour la section nord et les latitudes 55°15'00" et 55°45'00" et les longitudes 63°30'00" et 64°30'00" pour la section sud (voir la carte à la page suivante). Six cent vingt-neuf échantillons furent prélevés donnant une densité moyenne de 1 échantillon par 3,3 kilomètres carrés (voir carte de localisation des échantillons à la fin).

ANALYSES

Les échantillons furent tamisés à moins 177 microns et ils furent analysés au Centre de recherches minérales du ministère pour les éléments suivants: Cu, Zn, Pb, Ni, Co, Mn, Ag, perte au feu, U, Fe, Al, As, B, Ba, Be, Ca, Cd, Ce, Cr, Eu, K, La, Li, Mg, Mo, Na, P, Sc, Sm, Sr, Th, Ti, V, Y, Sn.



SCALE 1:1 000 000 ÉCHELLE



La méthode d'analyse utilisée fut la spectrophotométrie d'absorption atomique pour tous les éléments sauf l'uranium qui fut dosé par fluorométrie (Gagné et Guimont, 1982-83).

DONNÉES

Lors du prélèvement, des informations furent recueillies décrivant le site d'échantillonnage ainsi que l'échantillon. Ces données se trouvent à l'annexe 2. La liste des résultats d'analyse sont à l'annexe 1. Les unités de teneurs utilisées sont les suivantes:

ppm = parties par million
dpm = dixième de parties par million (1 dpm = 0,1 ppm)
pct = pourcent
cct = centième de pourcent

TRAITEMENT DES DONNÉES

L'histogramme, pour chacun des éléments, définit le patron de distribution des teneurs (Annexe 3). Le tableau 1 donne les principaux paramètres statistiques de base pour chacun des éléments.

Tableau 1: Principaux paramètres statistiques de base.

VARIABLE ET UNITE	MINIMUM	MAXIMUM	MOYENNE	ECART TYPE	NOMBRE D'ECHANTILLONS
Ag dpm	4	14	4,2	0,9	629
Al cct	4	486	102,5	64,7	629
As dpm	4	2220	32,8	115,2	628
B ppm	3	39	5,3	2,7	629
Ba ppm	1	754	57,8	49,5	629
Be ppm	2	42	2,3	2,8	629
Ca cct	2	162	22,9	12,9	629
Cd dpm	2	13	2,5	1,3	629
Ce dpm	20	8980	1220,5	1223,8	629
Co ppm	2	192	8,4	14,9	629
Cr ppm	1	80	13,7	9,5	629
Cu ppm	1	87	15,3	12,0	629
Eu dpm	1	83	13,0	11,0	629
Fe cct	2	3735	239,5	332,0	629
K cct	2	149	12,7	13,3	629
La ppm	3	486	65,1	67,0	629
Li ppm	1	42	6,6	5,5	629
Mg cct	1	147	21,6	15,5	629
Mn ppm	3	18470	460,3	1192,8	629
Mo ppm	3	71	5,3	7,1	629
Na cct	1	27	3,7	2,4	629
Ni ppm	1	149	9,2	11,1	629
P ppm	35	3608	845,4	383,5	629
Pb ppm	2	179	12,1	12,8	629
PF pct	2	98	23,0	19,0	629
Sc ppm	1	15	3,3	2,0	629
Sm ppm	1	89	11,3	11,5	629
Sn ppm	2	8	2,0	0,2	627
Sr ppm	1	81	10,4	7,9	629
Th ppm	2	268	21,2	24,4	629
Ti cct	1	30	5,9	3,6	629
U dpm	2	980	54,0	78,2	629
V ppm	2	147	23,3	17,2	629
Y ppm	1	772	22,3	39,8	629
Zn ppm	3	243	38,6	29,2	629

Les classes de teneurs utilisées pour la représentation des données sur les cartes géochimiques ont été obtenues en définissant les teneurs de certains niveaux fixes de percentiles (tableau 2). Les cartes géochimiques (annexe 3) présentent les données pour chacun des éléments en mettant de l'emphase sur l'intensité des teneurs.

Tableau 2: Classes et symboles pour la représentation des données.


CLASSES	INTERVALLES DE POURCENTAGES	SYMBOLES
1	0 - 66	.
2	67 - 84	+
3	85 - 92	⊕
4	93 - 97	●
5	* 98 et +	①, ②, ③

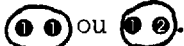

La 5e classe peut être redivisée en plusieurs sous-classes

- ① 1 X à 2X où X = teneur supérieure de la classe 4
- ② 2 2X à 4X jusqu'à ce que la teneur maximum soit
- ③ 3 4X à 8X... atteinte

CARTE DE REDUCTION D'INFORMATION

Les cartes géochimiques de chacun des éléments ont été compilées afin d'obtenir des cartes synthèses qui donnent les aires d'activité géochimique du secteur étudié (figures 1 et 2). Par souci de clarté et d'uniformité, des critères de sélection ont été utilisés. Les anomalies ne répondant pas à ces critères n'apparaissent pas sur la compilation. Cependant, elles peuvent tout de même être importantes dans leur contexte pour l'identification de cibles d'exploration. Les critères de sélection utilisés sont les suivants:

1. Pour un même élément, la proximité (≤ 1 km) d'un échantillon ayant une teneur entre le 92^e et le 98^e percentile (symbole ●) avec un échantillon ayant une teneur appartenant à la première sous-classe au-dessus du 98^e percentile (symbole ①) permet de délimiter une aire anormale, ex.: .

- a) Si les teneurs de cet élément dans ces échantillons sont supérieures à celles indiquées ci-dessus, l'aire anormale est délimitée de la même façon, ex.:  ou .

- b) S'il y a plus de 2 échantillons répondant aux critères décrits ci-dessus, tous ces échantillons sont englobés dans l'aire anormale.

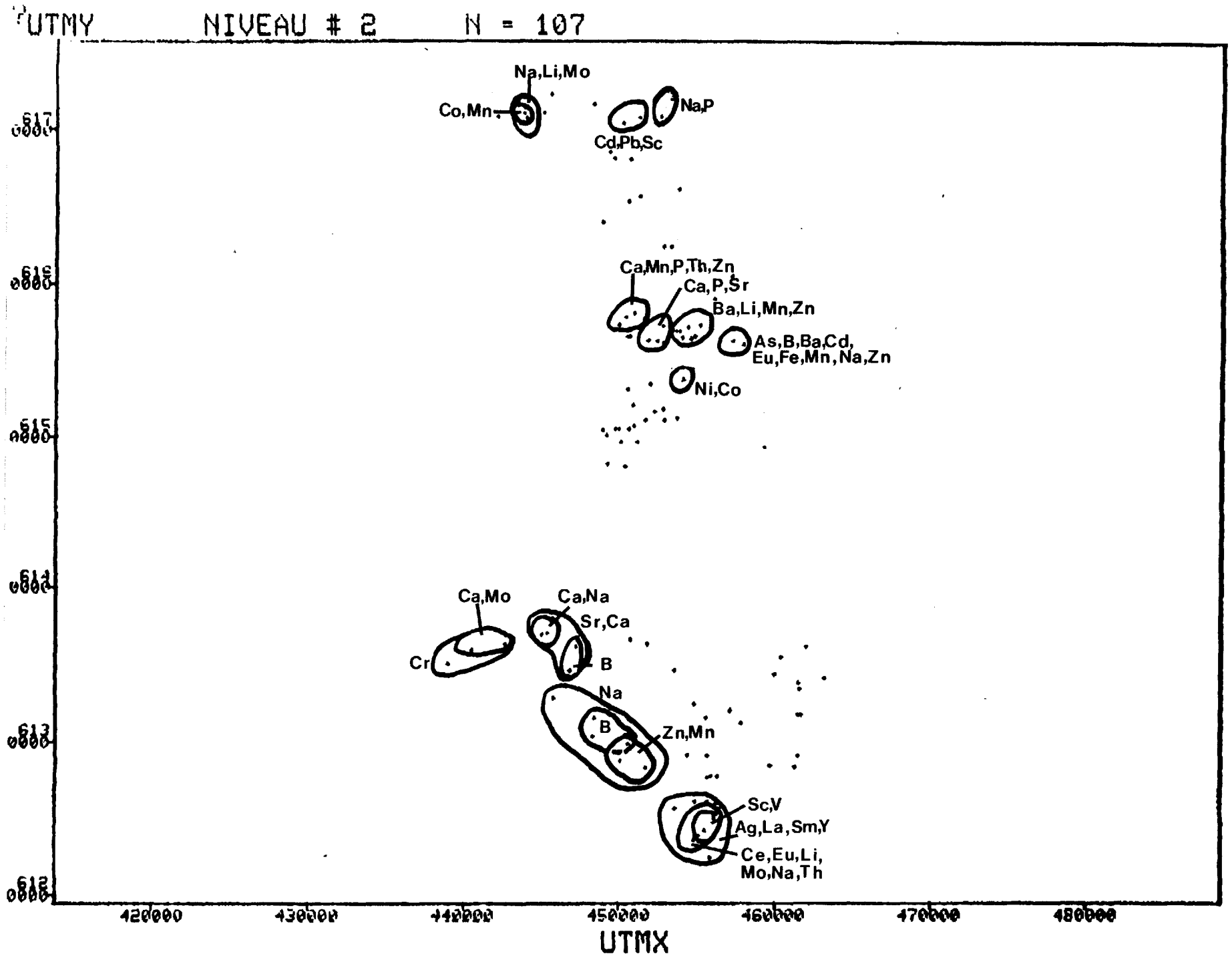
2. Tout échantillon ayant une teneur au moins égale à la deuxième sous-classe de la dernière classe, soit les symboles ② , ③ , ④ , ⑤ , ..., constitue, par lui-même, une aire anormale.
3. De plus, seules les aires anormales en 2 éléments et plus ont été indiquées.

REFERENCES

- Gagné, R. - Guimont, J., 1982-83 - Méthode de dosage d'éléments en trace dans les sédiments, les roches et les eaux. Ministère de l'Energie et des Ressources du Québec; AC.9.
- Bélangier, M., 1984 - Région du Lac Brisson - Territoire du Nouveau-Québec. Ministère de l'Energie et des Ressources du Québec; DP-84-20.

SECTION SUD

Figure 2



ANNEXE 1

Données analytiques et
localisation des échantillons
en coordonnées UTM

NUMERO		ELEMENTS		MRN	MARC BELANGER				LAC BRISSON				(SR)				* COORDONNEES		COORDONNEES		ZONE
BADGED	PERMANENT	CU	PPM	ZN	PB	NI	CO	MN	AG	PF	U	FE	AL	AS	B	UTM EST	UTM NORD	UTM			
166601		3		29				56	4	4	5	29	23	14	4	428500.0	6242800.0	20			
166602		3		23				49	4	4	5	39	21	124	4	429500.0	6242600.0	20			
166604		1		17				45	4	4	4	21	22	18	4	429800.0	6242200.0	20			
166606		1		36				45	10	4	4	40	57	528	4	428200.0	6242900.0	20			
166607		1		105				56	4	4	4	607	11	48	4	427400.0	6242600.0	20			
166608		1		45				37	4	4	4	175	162	33	5	420800.0	6236200.0	20			
166609		1		45				35	4	4	4	340	89	31	4	431000.0	6236300.0	20			
166610		1		20				83	4	4	4	94	152	8	4	431800.0	6237300.0	20			
166611		1		16				93	4	4	4	326	127	23	4	428900.0	6235800.0	20			
166612		1		16				42	4	4	4	77	50	6	4	428900.0	6235800.0	20			
166613		1		15				101	4	4	4	38	50	42	4	416200.0	6239400.0	20			
166614		1		12				55	4	4	4	39	55	13	4	416600.0	6239500.0	20			
166615		1		12				55	4	4	4	55	102	117	4	416900.0	6239200.0	20			
166616		1		15				51	4	4	4	95	42	12	4	417900.0	6239800.0	20			
166617		4		6				44	4	4	4	26	186	5	4	418900.0	6239700.0	20			
166619		1		20				82	4	4	4	462	165	39	5	431100.0	6239300.0	20			
166620		1		23				31	4	4	4	40	21	5	4	411800.0	6247400.0	20			
166622		1		33				33	4	4	4	32	27	5	4	431200.0	6238500.0	20			
166624		1		21				50	4	4	4	90	163	63	4	416300.0	6238300.0	20			
166625		1		23				16	4	4	4	22	94	29	4	417100.0	6238300.0	20			
166626		1		25				81	4	4	4	151	44	5	4	418600.0	6238300.0	20			
166627		1		27				66	4	4	4	80	68	49	4	418100.0	6239200.0	20			
166628		1		27				58	4	4	4	77	77	11	4	428600.0	6249200.0	20			
166629		1		29				59	4	4	4	53	210	12	4	428900.0	6247100.0	20			
166630		1		33				44	4	4	4	87	23	7	4	428600.0	6246600.0	20			
166631		1		32				101	4	4	4	78	37	5	4	428600.0	6243700.0	20			
166632		1		32				30	4	4	4	34	59	4	4	419000.0	6243500.0	20			
166633		1		33				80	4	4	4	143	70	1	4	431100.0	6235000.0	20			
166634		1		34				30	4	4	4	140	85	4	4	431100.0	6235000.0	20			
166635		1		39				30	4	4	4	140	85	23	4	429900.0	6249800.0	20			
166636		1		44				30	4	4	4	288	158	23	5	429100.0	6249900.0	20			
166637		1		39				45	4	4	4	17	75	23	4	423800.0	6249800.0	20			
166638		1		40				45	4	4	4	17	73	4	4	427300.0	6256000.0	20			
166640		1		41				90	4	4	4	18	21	20	4	428500.0	6258100.0	20			
166641		1		42				90	4	4	4	55	31	4	4	427700.0	6257900.0	20			
166642		11		7				83	4	4	4	70	44	4	4	426200.0	6257200.0	20			
166643		3		7				99	4	4	4	11	70	5	4	426400.0	6257900.0	20			
166644		3		7				33	4	4	4	70	44	4	4	427800.0	6259400.0	20			
166645		3		7				10	4	4	4	4	183	16	6	423400.0	6259900.0	20			
166646		1		46				29	4	4	4	30	160	7	7	415400.0	6256700.0	20			
166647		1		47				150	4	4	4	20	175	4	7	417800.0	6257200.0	20			
166648		1		48				150	4	4	4	12	134	6	6	417300.0	6256300.0	20			
166649		4		4				53	4	4	4	9	44	4	4	435300.0	6257000.0	20			
166650		14		4				58	4	4	4	11	148	8	4	435500.0	6257100.0	20			
166651		11		10				166	5	4	4	18	146	5	4	435300.0	6257400.0	20			
166652		1		10				101	4	4	4	25	65	4	4	437600.0	6256900.0	20			
166653		1		12				97	4	4	4	100	39	146	5	416700.0	6241200.0	20			
166654		1		12				64	4	4	4	49	29	12	4	416000.0	6241100.0	20			
166655		1		11				69	4	4	4	37	66	83	7	415400.0	6240800.0	20			
166656		11		11				29	4	4	4	41	64	136	4	412900.0	6240600.0	20			
166657		7		7				32	4	4	4	19	43	125	4	412100.0	6240700.0	20			
166658		15		9				156	4	4	4	18	263	139	4	426000.0	6217400.0	20			
166659		10		9				130	4	4	4	15	232	10	4	440800.0	6229500.0	20			
166660		1		7				67	4	4	4	17	78	58	4	441600.0	6230700.0	20			
166661		1		15				41	4	4	4	11	44	31	4	442400.0	6230900.0	20			
166662		1		15				127	4	4	4	37	54	16	4	442300.0	6231100.0	20			
166663		1		15				161	4	4	4	87	43	4	4	442800.0	6231500.0	20			
166664		2		50				56	4	4	4	220	198	107	13	443100.0	6232200.0	20			
166665		1		50				90	4	4	4	16	86	54	4	426700.0	6212600.0	20			
166666		1		19				120	4	4	4	14	145	75	4	433200.0	6217600.0	20			
166667		14		19				42	4	4	4	25	38	168	4	433500.0	6217800.0	20			
166668		1		19				22	4	4	4	9	268	14	4	432500.0	6217800.0	20			
166669		1		13				66	4	4	4	57	34	6	4	433000.0	6217300.0	20			
166670		1		13				66	4	4	4	3	37	4	4	432200.0	6217200.0	20			
166671		3		11				15	4	4	4	50	35	14	4	426900.0	6218700.0	20			
166672		1		11				10	4	4	4	31	22	4	4	427500.0	6218700.0	20			
166673		1		11				7	4	4	4	100	13	7	4	436400.0	6222066.0	20			
166674		1		11				26	4	4	4	22	125	4	4	426700.0	6245900.0	20			
166675		1		11				26	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166676		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166677		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
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166684		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
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166688		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166689		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166690		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166691		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166692		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166693		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166694		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			
166695		1		11				3	4	4	4	100	13	7	4	426700.0	6245900.0	20			

MRN

MARC DELANGER

LAC BRISSON

(SP)

NUMERO BADGE PERMANENT	ELEMENTS CC PPM	ZN PPM	PB PPM	NI PPM	CO PPM	Mn PPM	AG DPM	PF PCT	U DPM	FE CCT	AL CCT	AS DPM	B PPM	COORDONNEES		COORDONNEES		ZONE UTM
														UTM EST	UTM	UTM	NORD	
170001	1	16						12		95	79			432200	623338	20	20	20
170002	1	15						92		213	533			429900	623138	20	20	20
170003	1	14						1		208	98			429900	623138	20	20	20
170004	1	12						7		505	97			430600	623143	20	20	20
170005	1	12						7		177	86			430600	623144	20	20	20
170006	1	12						7		107	86			430900	623227	20	20	20
170007	1	10						7		90	86			430800	623236	20	20	20
170008	1	10						7		231	18			430800	623310	20	20	20
170009	1	10						7		31	18			430500	623622	20	20	20
170010	1	9						7		162	150			430500	623650	20	20	20
170011	1	10						7		13	143			431600	623556	20	20	20
170012	1	16						7		22	143			431600	623556	20	20	20
170013	1	16						7		3	75			467600	620970	20	20	20
170014	1	15						7		3	30			467500	620920	20	20	20
170015	1	15						7		2	69			466800	620900	20	20	20
170016	1	15						7		2	332			412300	623556	20	20	20
170017	1	15						7		2	218			413800	623556	20	20	20
170018	1	15						7		2	39			413900	623920	20	20	20
170019	1	11						7		16	47			408900	623760	20	20	20
170020	1	11						7		3	32			431700	623586	20	20	20
170021	1	14						7		3	53			439000	623564	20	20	20
170022	1	25						7		120	58			430700	626050	20	20	20
170023	1	16						7		1	70			431900	626160	20	20	20
170024	1	9						7		2	29			422900	626190	20	20	20
170025	1	11						7		5	33			442300	625547	20	20	20
170026	1	11						7		2	36			445500	625567	20	20	20
170027	1	15						7		14	50			433600	625930	20	20	20
170028	1	15						7		2	52			433600	625930	20	20	20
170029	1	15						7		2	52			433600	625930	20	20	20
170030	1	11						7		3	41			431000	625582	20	20	20
170031	1	10						7		3	41			431000	625582	20	20	20
170032	1	6						7		3	41			431000	625582	20	20	20
170033	1	6						7		3	41			431000	625582	20	20	20
170034	1	6						7		3	41			431000	625582	20	20	20
170035	1	6						7		3	41			431000	625582	20	20	20
170036	1	6						7		3	41			431000	625582	20	20	20
170037	1	6						7		3	41			431000	625582	20	20	20
170038	1	6						7		3	41			431000	625582	20	20	20
170039	1	6						7		3	41			431000	625582	20	20	20
170040	1	6						7		3	41			431000	625582	20	20	20
170041	1	6						7		3	41			431000	625582	20	20	20
170042	1	6						7		3	41			431000	625582	20	20	20
170043	1	6						7		3	41			431000	625582	20	20	20
170044	1	6						7		3	41			431000	625582	20	20	20
170045	1	6						7		3	41			431000	625582	20	20	20
170046	1	6						7		3	41			431000	625582	20	20	20
170047	1	6						7		3	41			431000	625582	20	20	20
170048	1	6						7		3	41			431000	625582	20	20	20
170049	1	6						7		3	41			431000	625582	20	20	20
170050	1	6						7		3	41			431000	625582	20	20	20
170051	1	6						7		3	41			431000	625582	20	20	20
170052	1	6						7		3	41			431000	625582	20	20	20
170053	1	6						7		3	41			431000	625582	20	20	20
170054	1	6						7		3	41			431000	625582	20	20	20
170055	1	6						7		3	41			431000	625582	20	20	20
170056	1	6						7		3	41			431000	625582	20	20	20
170057	1	6						7		3	41			431000	625582	20	20	20
170058	1	6						7		3	41			431000	625582	20	20	20
170059	1	6						7		3	41			431000	625582	20	20	20
170060	1	6						7		3	41			431000	625582	20	20	20
170061	1	6						7		3	41			431000	625582	20	20	20
170062	1	6						7		3	41			431000	625582	20	20	20
170063	1	6						7		3	41			431000	625582	20	20	20
170064	1	6						7		3	41			431000	625582	20	20	20
170065	1	6						7		3	41			431000	625582	20	20	20
170066	1	6						7		3	41			431000	625582	20	20	20
170067	1	6						7		3	41			431000	625582	20	20	20
170068	1	6						7		3	41			431000	625582	20	20	20
170069	1	6						7		3	41			431000	625582	20	20	20
170070	1	6						7		3	41			431000	625582	20	20	20
170071	1	6						7		3	41			431000	625582	20	20	20
170072	1	6						7		3	41			431000	625582	20	20	20
170073	1	6						7		3	41			431000	625582	20	20	20
170074	1	6						7		3	41			431000	625582	20	20	20
170075	1	6						7		3	41			431000	625582	20	20	20
170076	1	6						7		3	41			431000	625582	20	20	20
170077	1	6						7		3	41			431000	625582	20	20	20
170078	1	6						7		3	41			431000	625582	20	20	20
170079	1	6						7		3	41			431000	625582	20	20	20
170080	1	6						7		3	41			431000	625582	20	20	20
170081	1	6						7		3	41			431000	625582	20	20	20
170082	1	6						7		3	41			431000	625582	20	20	20
170083	1	6						7		3	41			431000	625582	20	20	20
170084	1	6						7		3	41			431000	625582	20	20	20
170085	1	6						7		3	41			431000	625582	20	20	20
170086	1	6						7		3	41			431000	625582	20	20	20
170087	1	6						7		3	41			431000	625582	20	20	20
170088	1	6						7		3	41			431000	625582	20	20	20
170089	1	6						7		3	41			431000	625582	20	20	20
170090	1	6						7		3	41			431000	625582	20	20	20
170091	1	6						7		3	41			431000	625582	20	20	20
170092	1	6						7		3	41			431000	625582	20	20	20
170093	1	6						7		3	41			431000	625582	20	20	20
170094	1	6						7		3	41			431000	625582	20	20	20
170095	1	6						7		3	41			431000	625582	20	20	20
170096	1	6						7		3	41			431000	625582	20	20	20
170097	1	6						7		3	41			431000	625582	20	20	20
170098																		

NUMERO BADGE PERMANENT	ELEMENTS			ZN PPM	PB PPM	NI PPM	CO PPM	MN PPM	AG DPM	PF PCT	U DPM	FE CCT	AL CCT	AS DPM	P PPM	COORDONNEES		ZONE UTM
	* CU PPM	* PPB	* PPB													UTM EST	UTM NORD	
171223	18	43	14	6	22	2015	4	24	110	433	133	47	4	434300.0	6220800.0	20		
171224	12	41	10	4	4	169	4	16	102	145	128	10	4	434300.0	62221100.0	20		
171225	20	17	11	4	4	353	5	23	140	158	119	12	4	4222400.0	6232200.0	20		
171226	20	21	11	4	4	353	5	14	140	158	73	12	4	4342900.0	6221400.0	20		
171227	20	21	11	4	4	353	5	46	170	220	148	12	4	4222000.0	62322900.0	20		
171228	16	23	2	4	4	511	4	23	140	241	95	3	4	4233300.0	6230400.0	20		
171229	14	6	4	4	4	125	4	10	34	127	44	4	4	4556300.0	6210000.0	20		
171230	10	11	4	4	4	125	4	4	4	127	110	4	4	4544700.0	620700.0	20		
171231	10	11	4	4	4	125	4	14	30	135	91	1	4	4544800.0	6211100.0	20		
171232	10	11	4	4	4	125	4	23	70	211	122	2	4	4556300.0	6211600.0	20		
171233	14	7	1	4	4	502	4	10	36	159	57	11	4	4556900.0	6210300.0	20		
171234	14	7	1	4	4	502	4	13	66	154	27	11	4	4556900.0	6210000.0	20		
171235	14	7	1	4	4	502	4	16	7	166	56	4	4	4655700.0	6208600.0	20		
171236	14	7	1	4	4	502	4	2	7	188	84	4	4	4655700.0	6208600.0	20		
171237	14	7	1	4	4	502	4	4	6	199	85	4	4	4655700.0	6208600.0	20		
171238	14	7	1	4	4	502	4	4	6	200	86	4	4	4655700.0	6208600.0	20		
171239	14	7	1	4	4	502	4	4	6	201	87	4	4	4655700.0	6208600.0	20		
171240	14	7	1	4	4	502	4	4	6	202	88	4	4	4655700.0	6208600.0	20		
171241	14	7	1	4	4	502	4	4	6	203	89	4	4	4655700.0	6208600.0	20		
171242	14	7	1	4	4	502	4	4	6	204	90	4	4	4655700.0	6208600.0	20		
171243	14	7	1	4	4	502	4	4	6	205	91	4	4	4655700.0	6208600.0	20		
171244	14	7	1	4	4	502	4	4	6	206	92	4	4	4655700.0	6208600.0	20		
171245	14	7	1	4	4	502	4	4	6	207	93	4	4	4655700.0	6208600.0	20		
171246	14	7	1	4	4	502	4	4	6	208	94	4	4	4655700.0	6208600.0	20		
171247	14	7	1	4	4	502	4	4	6	209	95	4	4	4655700.0	6208600.0	20		
171248	14	7	1	4	4	502	4	4	6	210	96	4	4	4655700.0	6208600.0	20		
171249	14	7	1	4	4	502	4	4	6	211	97	4	4	4655700.0	6208600.0	20		
171250	14	7	1	4	4	502	4	4	6	212	98	4	4	4655700.0	6208600.0	20		
171251	14	7	1	4	4	502	4	4	6	213	99	4	4	4655700.0	6208600.0	20		
171252	14	7	1	4	4	502	4	4	6	214	100	4	4	4655700.0	6208600.0	20		
171253	14	7	1	4	4	502	4	4	6	215	101	4	4	4655700.0	6208600.0	20		
171254	14	7	1	4	4	502	4	4	6	216	102	4	4	4655700.0	6208600.0	20		
171255	14	7	1	4	4	502	4	4	6	217	103	4	4	4655700.0	6208600.0	20		
171256	14	7	1	4	4	502	4	4	6	218	104	4	4	4655700.0	6208600.0	20		
171257	14	7	1	4	4	502	4	4	6	219	105	4	4	4655700.0	6208600.0	20		
171258	14	7	1	4	4	502	4	4	6	220	106	4	4	4655700.0	6208600.0	20		
171259	14	7	1	4	4	502	4	4	6	221	107	4	4	4655700.0	6208600.0	20		
171260	14	7	1	4	4	502	4	4	6	222	108	4	4	4655700.0	6208600.0	20		

MRN	MARC BELANGER					LAC BRISSON					(SR)					COORDONNEES		COORDONNEES		ZONE
NUMERO BADGE	ELEMENTS		ZH	PH	NI	CO	MN	AG	PT	U	FE	AL	AS	B	COORDONNEES		COORDONNEES		ZONE	
PERMANENT	*CU	*ZM	*PPH	*PPM	*PPM	*PPM	*PPM	*DPM	*PCT	*DPM	*CCT	*CCT	*DPM	*PPM	UTM EST	UTM NORD	UTM	UTM	UTM	
17219	48	76		9		48	23	1029	4		30	86	301	247	21	445200.0	6210800.0		20	
17220	13	24		7		48	44	120	4		18	22	153	104	18	444000.0	6211100.0		20	
17221	7	17		5		48	44	99	4		14	22	89	74	4	433000.0	6220900.0		20	
17222	17	29		10		10	129	5	4		20	16	190	117	4	434300.0	6209600.0		20	
17223	16	17		10		10	71	5	4		16	20	117	52	4	457000.0	6206800.0		20	
17224	11	20		4		44	95	5	4		2	7	95	93	4	446000.0	6210500.0		20	
17225	6	11		6		44	169	4	4		10	18	99	65	11	449000.0	6208800.0		20	
17226	10	10		10		5	110	4	4		14	60	119	88	25	423100.0	6250600.0		20	
17227	9	4				5	138	4	4		14	13	126	88	5	450600.0	6156700.0		20	
17228	10	10		10		1	902	4	4		10	10	126	44	9	450400.0	6156700.0		20	
17229	22	28		11		8	359	4	4		6	33	870	94	4	449900.0	6157500.0		20	
17230	3	18		20		4	204	4	4		22	11	719	89	4	450300.0	6158000.0		20	
17231	11	15		24		4	564	4	7		13	100	302	101	10	450900.0	6158200.0		20	
17232	0	15		15		2	180	4	6		66	20	297	63	11	451500.0	6157900.0		20	
17233	6	15		7		4	99	4	4		3	21	81	41	6	452700.0	6157400.0		20	
17234	15	16				1	125	4	4		80	31	80	58	7	442000.0	6171100.0		20	
17235	15	66		16		1	666	4	4		16	140	531	140	66	443700.0	6171300.0		20	
17236	14	62		10		1	874	4	4		12	22	417	133	32	443900.0	6171000.0		20	
17237	11	17		6		4	80	4	6		25	25	38	76	5	448200.0	6171900.0		20	
17238	19	20		3		6	2639	4	4		32	61	281	140	52	445500.0	6172500.0		20	
17239	9	20		9		6	140	4	4		24	16	231	82	19	445000.0	6171300.0		20	
17240	26	33		3		4	2342	4	4		46	53	288	129	136	450100.0	6170700.0		20	
17241	27	29		3		4	2031	4	4		52	44	1099	251	71	451100.0	6171000.0		20	
17242	17	17		15		4	119	4	4		3	11	132	78	14	453100.0	6172200.0		20	
17243	9	19		15		4	131	4	4		24	16	288	133	19	452500.0	6171100.0		20	
17244	9	24		9		4	947	4	4		44	40	1041	128	11	449200.0	6168800.0		20	
17245	7	14		7		4	496	4	4		22	14	281	95	13	449500.0	6168800.0		20	
17246	6	7		9		4	285	4	4		3	18	114	58	4	450500.0	6168300.0		20	
17247	9	9		3		4	150	4	4		26	40	129	113	5	453760.0	6166400.0		20	
17248	5	14		4		4	129	4	4		4	19	52	91	20	448800.0	6164200.0		20	
17249	3	10		3		4	103	4	4		14	14	119	44	8	450500.0	6165600.0		20	
17250	1	11		1		4	73	4	4		74	14	117	70	6	460400.0	6135900.0		20	
17251	17	11		5		4	97	4	4		64	64	168	63	7	460000.0	6134800.0		20	
17252	17	11		5		4	646	4	4		41	24	248	103	1	461500.0	6133400.0		20	
17253	11	11		11		4	330	4	4		3	56	308	93	1	461500.0	6133400.0		20	
17254	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17255	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17256	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17257	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17258	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17259	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17260	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17261	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17262	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17263	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17264	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17265	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17266	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17267	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17268	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17269	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17270	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17271	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17272	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17273	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17274	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17275	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17276	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17277	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17278	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17279	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17280	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17281	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17282	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17283	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17284	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17285	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17286	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17287	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	
17288	11	11		11		4	299	4	4		3	33	403	69	1	461500.0	6133400.0		20	

NUMERO BADGE PERMANENT	ELEMENTS		* ZN PPM	* PS PPM	* NI PPM	* CC PPM	* MN PPM	* AG DPM	* PF PCT	* U DPM	* FE CCT	* AL CCT	* AS DPM	* B PPM	COORDONNEES		COORDONNEES_ZONE
	* CU PPM	* ZN PPM													UTM EST	UTM NORD	UTM
174553	6	17						4	12	10	111	46		4	450500.0	6153400.0	20
174559	24	62						4	26	10	250	117		4	451900.0	6153700.0	20
174600	12	243			1	87	18	4	22	10	231	155		4	457200.0	6156500.0	20
174601	13	95						4	30	10	270	73		4	457900.0	6156200.0	20
174602	13	95						4	14	10	434	95		4	452700.0	61528100.0	20
174603	16	27						4	3	10	69	32		4	455900.0	61538100.0	20
174604	16	8						4	3	10	69	32		4	451800.0	6156500.0	20
174605	16	14						4	2	10	33	41		4	452300.0	6156500.0	20
174606	28	27			2	2	5	4	50	10	33	95		4	455700.0	6156300.0	20
174607	14	27				4	5	4	14	10	731	195		4	453900.0	6156700.0	20
174608	14	15						4	74	10	53	30		4	454500.0	6156600.0	20
174609	16	136			1	3	78	4	26	10	736	113		4	454700.0	6156800.0	20
17470	7	47						4	8	10	172	60		4	455100.0	6157500.0	20
17473	6	70						4	8	10	374	89		4	454300.0	6157300.0	20
17474	6	57			14	16	10	4	44	10	779	209		4	454000.0	6154000.0	20
17475	8	25						4	13	10	155	47		4	453800.0	6157100.0	20
17476	14	30						4	64	10	226	78		4	453500.0	6157100.0	20
17479	27	66			14	6	20	4	42	10	276	176		4	449100.0	6150400.0	20
17480	16	23						4	46	10	68	107		4	448900.0	6150700.0	20
17481	25	48			11	4	164	4	58	10	89	156		4	449700.0	6150800.0	20
17482	18	24			8	3	73	4	34	10	93	81		4	449900.0	6150800.0	20
17483	14	81			1	11	17	4	32	10	182	92		4	450600.0	6150800.0	20
17484	15	56			13	10	367	4	30	10	280	150		4	450900.0	6151000.0	20
17485	18	33			35	45	107	4	3	10	105	76		4	451600.0	6151400.0	20
17486	17	74			4	5	129	4	46	10	2364	95		21	452200.0	6151900.0	20
17487	8	30			6	5	173	4	36	10	604	74		4	453600.0	6151500.0	20
17488	6	27			6	5	215	4	3	10	147	57		4	452800.0	6151400.0	20
17489	13	22						4	32	10	468	115		4	451200.0	6165900.0	20
17490	6	20						4	8	10	208	60		10	452400.0	6163300.0	20
17491	24	22						4	64	10	93	76		4	452700.0	6162600.0	20
17492	13	174			1	64	3296	4	10	10	436	113		33	453200.0	6162600.0	20
17493	10	26						4	46	10	276	65		4	455000.0	6161100.0	20
17494	13	50				10	1415	4	42	10	196	128		4	457100.0	6160700.0	20
17495	13	35			17	37	1035	4	22	10	551	89		4	456000.0	6159200.0	20

NUMERO BADGE PERMANENT	ELEMENTS		PR	MRH		MARC BELANGER		LAC BRISSON		(CSR)		NA CCT	COORDONNEES		COORDONNEES		ZONE UTM
	BA PPM	CA CCT		CD DPH	CE DPM	CH DPM	CI DPM	CU DPM	CL DPM	CM DPM	CO DPM		CR DPM	UTM EST	UTM NORD		
6695	33												414500	6241600		220	
6696	11												413100	6242400		220	
6697	16												413100	6242400		220	
6698	30												4227800	6240300		220	
6701	20												4223300	6243700		220	
6702	39												4218000	6243600		220	
6703	33												4217000	6243900		220	
6704	37												4199000	6243800		220	
6705	29												4191000	6243900		220	
6706	42												4078000	6241900		220	
6707	12												4082000	6241900		220	
6708	22												4174000	6242800		220	
6709	22												4190000	6243800		220	
6710	55												4095000	6240900		220	
6711	55												4251000	6245400		220	
6712	71												4253000	6243900		220	
6713	85												4267000	6242700		220	
6714	67												4378000	6261400		220	
6715	67												4357000	6261500		220	
6716	44												4352000	6261200		220	
6717	44												4341000	6261500		220	
6718	44												4333000	6261400		220	
6719	44												4413000	6260000		220	
6720	44												4415000	6260000		220	
6721	44												4421000	6260000		220	
6722	44												4422000	6260000		220	
6723	44												4422000	6260000		220	
6724	44												4422000	6260000		220	
6725	44												4422000	6260000		220	
6726	44												4422000	6260000		220	
6727	44												4422000	6260000		220	
6728	44												4422000	6260000		220	
6729	44												4422000	6260000		220	
6730	44												4422000	6260000		220	
6731	44												4422000	6260000		220	
6732	44												4422000	6260000		220	
6733	44												4422000	6260000		220	
6734	44												4422000	6260000		220	
6735	44												4422000	6260000		220	
6736	44												4422000	6260000		220	
6737	44												4422000	6260000		220	
6738	44												4422000	6260000		220	
6739	44												4422000	6260000		220	
6740	44												4422000	6260000		220	
6741	44												4422000	6260000		220	
6742	44												4422000	6260000		220	
6743	44												4422000	6260000		220	
6744	44												4422000	6260000		220	
6745	44												4422000	6260000		220	
6746	44												4422000	6260000		220	
6747	44												4422000	6260000		220	
6748	44												4422000	6260000		220	
6749	44												4422000	6260000		220	
6750	44												4422000	6260000		220	
6751	44												4422000	6260000		220	
6752	44												4422000	6260000		220	
6753	44												4422000	6260000		220	
6754	44												4422000	6260000		220	
6755	44												4422000	6260000		220	
6756	44												4422000	6260000		220	
6757	44												4422000	6260000		220	

MRN		MARC BELANGER		LAC BRISSON		(SR)															
NUMERO	ELEMENTS	BE	CA	CD	CE	CR	EU	K	LA	LI	MG	MO	NA	COORDONNEES	COORDONNEES	ZONE					
BADGEO	*SA	PPH	CCT	DPM	DPM	PPH	DPM	CCT	PPM	PP	CCT	PPM	CCT	UTM EST	UTM NORD	UTM					
PERMANENT	PPM																				
1														415900	622621	20					
1														414440	622621	20					
1														413390	622622	20					
1														417200	622559	20					
1														417900	622597	20					
1														418100	622595	20					
1														418400	622623	20					
1														413360	622623	20					
1														413330	622623	20					
1														419800	622623	20					
1														429660	622318	20					
1														429550	622455	20					
1														429900	622455	20					
1														431100	622459	20					
1														431330	622462	20					
1														430300	622481	20					
1														432900	622610	20					
1														413500	622427	20					
1														415300	622421	20					
1														407770	622361	20					
1														422400	622456	20					
1														415800	622397	20					
1														414900	622396	20					
1														412200	622394	20					
1														409400	622398	20					
1														408000	622410	20					
1														409200	622416	20					
1														422800	622607	20					
1														422400	622612	20					
1														424000	622152	20					
1														409200	622578	20					
1														408100	622559	20					
1														424000	622605	20					
1														423900	622603	20					
1														415800	622535	20					
1														415100	622543	20					
1														416400	622544	20					
1														416100	622555	20					
1														416300	622557	20					
1														415200	622266	20					
1														424600	622256	20					
1														414500	622255	20					
1														415800	622255	20					
1														422330	622113	20					
1														422550	622255	20					
1														426600	622247	20					
1														424500	622245	20					
1														414600	622203	20					
1														413500	622182	20					
1														412600	622179	20					
1														409500	622292	20					
1														407600	622499	20					
1														413600	622482	20					
1														407300	622493	20					
1														431200	622605	20					
1														417100	622406	20					
1														416200	622416	20					
1														412900	622389	20					
1														416800	622425	20					
1														431000	622611	20					
1														422300	622601	20					
1														422600	622467	20					
1														420300	622361	20					
1														419700	622357	20					
1														419400	622357	20					
1														419300	622351	20					
1														419400	622348	20					
1														418300	622343	20					
1														417100	622338	20					
1														417600	622347	20					
1														417300	622362	20					
1														408100	622453	20					
1														408300	622453	20					
1														413500	622432	20					
1														431100	622550	20					
1														429700	622559	20					
1														425100	622408	20					
1														431600	622567	20					
1														421500	622573	20					
1														425100	622407	20					

NUMERO BADGE PERMANENT	ELEMENTS		MRN	MARC BELANGER	LAC BRISSON	(SR)	* NA CCT	* COORDONNEES UTM EST	COORDONNEES UTM NORD	ZONE UTM
	* SA PPH	* BE PPH								
16							425400.0	6241300.0	20	
58							426200.0	6241600.0	20	
59							427500.0	62233600.0	20	
60							427600.0	6241500.0	20	
61							425600.0	6240300.0	20	
62							424000.0	6240600.0	20	
63							424600.0	6241700.0	20	
64							422900.0	6239900.0	20	
65							427600.0	6245500.0	20	
66							422900.0	6244800.0	20	
67							429200.0	6243900.0	20	
68							427400.0	6242700.0	20	
69							413300.0	6244000.0	20	
70							408300.0	6248300.0	20	
71							407600.0	6248700.0	20	
72							431000.0	6255750.0	20	
73							4330400.0	6255710.0	20	
74							419300.0	6255990.0	20	
75							418600.0	6255810.0	20	
76							419600.0	6255890.0	20	
77							411100.0	6255860.0	20	
78							422200.0	6255990.0	20	
79							418400.0	6255710.0	20	
80							414400.0	6255710.0	20	
81							413300.0	6255710.0	20	
82							419300.0	6255710.0	20	
83							420400.0	6255710.0	20	
84							418100.0	6255710.0	20	
85							427400.0	6255710.0	20	
86							414000.0	6255710.0	20	
87							414600.0	6255710.0	20	
88							415400.0	6255710.0	20	
89							415900.0	6255710.0	20	
90							416300.0	6255710.0	20	
91							417800.0	6255710.0	20	
92							417500.0	6255710.0	20	
93							416000.0	6255710.0	20	
94							415600.0	6255710.0	20	
95							412200.0	6255710.0	20	
96							411900.0	6255710.0	20	
97							411200.0	6255710.0	20	
98							410700.0	6255710.0	20	
99							410600.0	6255710.0	20	
100							409160.0	6255710.0	20	
101							431800.0	6255710.0	20	
102							431700.0	6255710.0	20	
103							429800.0	6255710.0	20	
104							429400.0	6255710.0	20	
105							427700.0	6255710.0	20	
106							424300.0	6255710.0	20	
107							429100.0	6255710.0	20	
108							429700.0	6255710.0	20	
109							420200.0	6255710.0	20	
110							421000.0	6255710.0	20	
111							421600.0	6255710.0	20	
112							423400.0	6255710.0	20	
113							423400.0	6255710.0	20	
114							423700.0	6255710.0	20	
115							423900.0	6255710.0	20	
116							423300.0	6255710.0	20	
117							423400.0	6255710.0	20	
118							423600.0	6255710.0	20	
119							423300.0	6255710.0	20	
120							423300.0	6255710.0	20	
121							423300.0	6255710.0	20	
122							423300.0	6255710.0	20	
123							423300.0	6255710.0	20	
124							423300.0	6255710.0	20	
125							423300.0	6255710.0	20	
126							423300.0	6255710.0	20	
127							423300.0	6255710.0	20	
128							423300.0	6255710.0	20	
129							423300.0	6255710.0	20	
130							423300.0	6255710.0	20	
131							423300.0	6255710.0	20	
132							423300.0	6255710.0	20	
133							423300.0	6255710.0	20	
134							423300.0	6255710.0	20	
135							423300.0	6255710.0	20	
136							423300.0	6255710.0	20	
137							423300.0	6255710.0	20	
138							423300.0	6255710.0	20	
139							423300.0	6255710.0	20	
140							423300.0	6255710.0	20	
141							423300.0	6255710.0	20	
142							423300.0	6255710.0	20	
143							423300.0	6255710.0	20	
144							423300.0	6255710.0	20	
145							423300.0	6255710.0	20	
146							423300.0	6255710.0	20	
147							423300.0	6255710.0	20	
148							423300.0	6255710.0	20	
149							423300.0	6255710.0	20	
150							423300.0	6255710.0	20	

MRN		MARC BELANGER		LAC BRISSON		(SR)															
NUMERO	ELEMENTS	* BA	* BE	* CA	* CD	* CE	* CR	* EU	* K	* LA	* LI	* MG	* NO	* NA	* COORDONNEES	COORDONNEES	ZONE				
BADGEO	* PPM	* PPM	* CCT	* DPM	* DPM	* PPM	* DPM	* CCT	* PPM	* PPM	* CCT	* PPM	* PPM	* CCT	UTM EST	UTM NOR	UTM				
171001						540		10		56		14			432600.0	6233800.0	20				
171002						720		10		13		24			429600.0	6213800.0	20				
171003						320		10		26		24			429900.0	6213800.0	20				
171004						410		10		10		34			430600.0	6214400.0	20				
171005						180		10		20		41			430600.0	6214400.0	20				
171006						270		10		22		36			429800.0	6222700.0	20				
171007						180		10		14		39			4284600.0	6222300.0	20				
171008						300		10		22		30			4302800.0	6222300.0	20				
171009						400		10		33		16			4289500.0	62227100.0	20				
171010						990		10		50		18			4288200.0	62226200.0	20				
171011						990		10		50		18			4305000.0	62226500.0	20				
171012						1260		10		63		36			4316000.0	62225600.0	20				
171013						1760		10		93		23			4316000.0	62225600.0	20				
171014						3200		10		43		10			4676000.0	62209700.0	20				
171015						1130		10		48		33			4675000.0	62209200.0	20				
171016						750		10		37		16			4668000.0	62209000.0	20				
171017						700		10		48		38			4123000.0	62335600.0	20				
171018						1070		10		49		60			4123000.0	62335500.0	20				
171019						230		10		12		15			4138000.0	62339200.0	20				
171020						400		10		21		12			4080000.0	62337600.0	20				
171021						420		10		17		17			4317000.0	62358600.0	20				
171022						290		10		13		16			4390000.0	62356400.0	20				
171023						290		10		17		20			4307000.0	62260500.0	20				
171024						260		10		11		17			4331000.0	62261600.0	20				
171025						360		10		11		11			4422500.0	62255100.0	20				
171026						290		10		16		12			4422500.0	62255100.0	20				
171027						290		10		10		15			4455500.0	62255400.0	20				
171028						1670		10		86		85			4333600.0	622559300.0	20				
171029						1330		10		77		15			4310000.0	622558800.0	20				
171030						1270		10		69		12			4224400.0	62217300.0	20				
171031						1150		10		54		24			4226700.0	62217300.0	20				
171032						780		10		40		26			4223300.0	62217300.0	20				
171033						1110		10		44		26			4223300.0	62217300.0	20				
171034						1450		10		33		26			4224400.0	62217300.0	20				
171035						550		10		19		19			4224400.0	62217300.0	20				
171036						1110		10		17		16			4224400.0	62217300.0	20				
171037						880		10		10		16			4224400.0	62217300.0	20				
171038						1700		10		10		15			4224400.0	62217300.0	20				
171039						700		10		14		15			4224400.0	62217300.0	20				
171040						1570		10		14		15			4224400.0	62217300.0	20				
171041						900		10		14		15			4224400.0	62217300.0	20				
171042						410		10		27		39			4184600.0	62144200.0	20				
171043						440		10		27		24			4176600.0	62144300.0	20				
171044						2640		10		53		27			4210000.0	62133300.0	20				
171045						2640		10		53		27			4102000.0	6223700.0	20				
171046						450		10		16		102			4097000.0	6223700.0	20				
171047						550		10		22		64			4074000.0	6225900.0	20				
171048						230		10		49		63			4090000.0	6225000.0	20				
171049						660		10		29		147			4103000.0	6224800.0	20				
171050						760		10		20		39			4117000.0	6225200.0	20				
171051						860		10		40		32			4192000.0	6239300.0	20				
171052						980		10		42		11			4194000.0	6239800.0	20				
171053						1110		10		58		93			4082000.0	6233500.0	20				
171054						1070		10		16		116			4098000.0	6233300.0	20				
171055						1510		10		59		43			4097000.0	6232300.0	20				
171056						2330		10		76		35			4101000.0	6231700.0	20				
171057						400		10		22		10			4283000.0	6251700.0	20				
171058						550		10		30		12			4115000.0	6241100.0	20				
171059						4200		10		24		4			4230000.0	6220100.0	20				
171060						520		10		26		13			4232000.0	62219500.0	20				
171061						4740		10		16		13			4237000.0	6222000.0	20				
171062						3660		10		22		16			4243000.0	6222200.0	20				
171063						2250		10		21		5			4236000.0	6222200.0	20				
171064						1740		10		15		19			4134000.0	6222200.0	20				
171065						1810		10		27		33			4137000.0	6222200.0	20				
171066						740		10		10		18			4144000.0	62113200.0	20				
171067						1230		10		10		11			4148000.0	62113200.0	20				
171068						1040		10		27		70			4169000.0	62114900.0	20				
171069						410		10		55		44			4160000.0	62115800.0	20				
171070						410		10		20		13			4181000.0	62115800.0	20				
171071						2440		10		13		16			4190000.0	62117800.0	20				
171072						2660		10		14		24			4145000.0	62229800.0	20				
171073						3300		10		20		30			4128000.0	623000.0	20				
171074						3500		10		11		40			4128000.0	623000.0	20				
171075						4460		10		11		40			4128000.0	623000.0	20				

MRN		MARC BELANGER		LAC BRISSON		(SR)															
NUMERO	ELEMENTS	BE	CA	CD	CE	CG	EU	K	LA	LI	MG	MO	NA	COORDONNEES	COORDONNEES	ZONE					
P	PERMANENT	PPM	CCT	DPH	DPM	PPM	DPH	CCT	PPM	PPM	CCT	PPM	CCT	UTM EST	UTM NORO	UTM					
17219	133				1640	37	22	16	68	9	58	15	5	445200.0	6210800.0	20					
17220					1900			10	19	6	26			444000.0	6211100.0	20					
17221					1900				10		26			433400.0	6209900.0	20					
17222					4700			15	22	6	26			434300.0	6209600.0	20					
17223					1030			6	15	6	10			457000.0	6206800.0	20					
17224					3900			7	18	4	24			446000.0	6210500.0	20					
17225					0000			0	00		22			449000.0	6208000.0	20					
17226					6100			10	34	10	20			423100.0	6250600.0	20					
17227					1590		13	12	33	11	24			450600.0	6156700.0	20					
17228					1160			3	48	5	15			450400.0	6156700.0	20					
17229					8600			7	15	12	14			449900.0	6157500.0	20					
17230					1450			3	68	10	18			450300.0	6158000.0	20					
17231					2550			37	11	23	27			450900.0	6158200.0	20					
17232					3300			6	61	2	6			451500.0	6157900.0	20					
17233					6300			6	39	1	7			452700.0	6157400.0	20					
17234					8800			16	7	1	3			442000.0	6171100.0	20					
17235					9700			20	45	24	55			443300.0	6171000.0	20					
17236					1740			5	11	12	5			448200.0	6171900.0	20					
17237					1900			16	8	12	20			445500.0	6172500.0	20					
17238					4400			8	14	5	14			445000.0	6171300.0	20					
17239					4400			14	14	5	16			450100.0	6170700.0	20					
17240					1100			11	20	1	27			453100.0	6171000.0	20					
17241					1560			10	11	1	28		1	453100.0	6172200.0	20					
17242					3500			15	3	1	26			449200.0	6168300.0	20					
17243					4400			7	44	1	14			449500.0	6168300.0	20					
17244					4400			11	44	1	14			450900.0	6168300.0	20					
17245					4400			11	44	1	14			450900.0	6168300.0	20					
17246					4400			11	44	1	14			450900.0	6168300.0	20					
17247					4400			11	44	1	14			450900.0	6168300.0	20					
17248					4400			11	44	1	14			450900.0	6168300.0	20					
17249					4400			11	44	1	14			450900.0	6168300.0	20					
17250					4400			11	44	1	14			450900.0	6168300.0	20					
17251					4400			11	44	1	14			450900.0	6168300.0	20					
17252					4400			11	44	1	14			450900.0	6168300.0	20					
17253					4400			11	44	1	14			450900.0	6168300.0	20					
17254					4400			11	44	1	14			450900.0	6168300.0	20					
17255					4400			11	44	1	14			450900.0	6168300.0	20					
17256					4400			11	44	1	14			450900.0	6168300.0	20					
17257					4400			11	44	1	14			450900.0	6168300.0	20					
17258					4400			11	44	1	14			450900.0	6168300.0	20					
17259					4400			11	44	1	14			450900.0	6168300.0	20					
17260					4400			11	44	1	14			450900.0	6168300.0	20					
17261					4400			11	44	1	14			450900.0	6168300.0	20					
17262					4400			11	44	1	14			450900.0	6168300.0	20					
17263					4400			11	44	1	14			450900.0	6168300.0	20					
17264					4400			11	44	1	14			450900.0	6168300.0	20					
17265					4400			11	44	1	14			450900.0	6168300.0	20					
17266					4400			11	44	1	14			450900.0	6168300.0	20					
17267					4400			11	44	1	14			450900.0	6168300.0	20					
17268					4400			11	44	1	14			450900.0	6168300.0	20					
17269					4400			11	44	1	14			450900.0	6168300.0	20					
17270					4400			11	44	1	14			450900.0	6168300.0	20					
17271					4400			11	44	1	14			450900.0	6168300.0	20					
17272					4400			11	44	1	14			450900.0	6168300.0	20					
17273					4400			11	44	1	14			450900.0	6168300.0	20					
17274					4400			11	44	1	14			450900.0	6168300.0	20					
17275					4400			11	44	1	14			450900.0	6168300.0	20					
17276					4400			11	44	1	14			450900.0	6168300.0	20					
17277					4400			11	44	1	14			450900.0	6168300.0	20					
17278					4400			11	44	1	14			450900.0	6168300.0	20					
17279					4400			11	44	1	14			450900.0	6168300.0	20					
17280					4400			11	44	1	14			450900.0	6168300.0	20					
17281					4400			11	44	1	14			450900.0	6168300.0	20					
17282					4400			11	44	1	14			450900.0	6168300.0	20					
17283					4400			11	44	1	14			450900.0	6168300.0	20					
17284					4400			11	44	1	14			450900.0	6168300.0	20					
17285					4400			11	44	1	14			450900.0	6168300.0	20					
17286					4400			11	44	1	14			450900.0	6168300.0	20					
17287					4400			11	44	1	14			450900.0	6168300.0	20					
17288					4400			11	44	1	14			450900.0	6168300.0	20					
17289					4400			11	44	1	14			450900.0	6168300.0	20					
17290					4400			11	44	1	14			450900.0	6168300.0	20					
17291					4400			11	44	1	14			450900.0	6168300.0	20					
17292					4400			11	44	1	14			450900.0	6168300.0	20					
17293					4400			11	44	1	14			450900.0	6168300.0	20					
17294					4400			11	44	1	14			450900.0	6168300.0	20					
17295					4400			11	44	1	14			450900.0	6168300.0	20					
17296					4400			11	44	1	14			450900.0	6168300.0	20					
17297					4400			11	44	1	14			450900.0	6168300.0	20					
17298					4400			11	44	1	14			450900.0	6168300.0	20					
17299					4400			11	44	1	14			450900.0	6168300.0	20					
17300					4400			11	44	1	14			450900.0	6168300.0	20					

NUMERO BADGE PERMANENT		ELEMENTS		MPN	MARC BELANGER		LAC ERISSON							(SP)		COORDONNEES		COORDONNEES	ZONE
BA	BE	CA	CD	CE	CR	EU	K	LA	LI	MG	MO	NA	UTM EST	UTM	NORD	UTM			
17458	30	10	10	10	10	10	10	10	10	10	10	10	450500.0	6153400.0	20				
17459	70	28	28	28	28	28	28	28	28	28	28	28	451900.0	6153700.0	20				
17460	75	27	27	27	27	27	27	27	27	27	27	27	452700.0	6153800.0	20				
17461	97	34	34	34	34	34	34	34	34	34	34	34	453300.0	6153900.0	20				
17462	96	25	25	25	25	25	25	25	25	25	25	25	452900.0	6153800.0	20				
17463	11	14	14	14	14	14	14	14	14	14	14	14	452100.0	6153700.0	20				
17464	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17465	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17466	44	3	3	3	3	3	3	3	3	3	3	3	450700.0	6153500.0	20				
17467	11	1	1	1	1	1	1	1	1	1	1	1	450100.0	6153400.0	20				
17468	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17469	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17470	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17471	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17472	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17473	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17474	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17475	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17476	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17477	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17478	36	4	4	4	4	4	4	4	4	4	4	4	451300.0	6153600.0	20				
17479	13	9	9	9	9	9	9	9	9	9	9	9	449100.0	6150400.0	20				
17480	13	9	9	9	9	9	9	9	9	9	9	9	448900.0	6150700.0	20				
17481	1	1	1	1	1	1	1	1	1	1	1	1	449700.0	6150800.0	20				
17482	1	1	1	1	1	1	1	1	1	1	1	1	449900.0	6150800.0	20				
17483	10	4	4	4	4	4	4	4	4	4	4	4	450600.0	6150800.0	20				
17484	10	4	4	4	4	4	4	4	4	4	4	4	450900.0	6151000.0	20				
17485	10	4	4	4	4	4	4	4	4	4	4	4	451600.0	6151400.0	20				
17486	10	4	4	4	4	4	4	4	4	4	4	4	452200.0	6151900.0	20				
17487	4	1	1	1	1	1	1	1	1	1	1	1	453600.0	6151500.0	20				
17488	4	1	1	1	1	1	1	1	1	1	1	1	452800.0	6151400.0	20				
17489	4	1	1	1	1	1	1	1	1	1	1	1	451200.0	6165900.0	20				
17490	4	1	1	1	1	1	1	1	1	1	1	1	452400.0	6163300.0	20				
17491	30	28	28	28	28	28	28	28	28	28	28	28	452700.0	6162600.0	20				
17492	30	28	28	28	28	28	28	28	28	28	28	28	453200.0	6162600.0	20				
17493	30	28	28	28	28	28	28	28	28	28	28	28	455000.0	6161100.0	20				
17494	30	28	28	28	28	28	28	28	28	28	28	28	457100.0	6160700.0	20				
17495	30	28	28	28	28	28	28	28	28	28	28	28	456000.0	6159200.0	20				

NUMERO BADGE PERMANENT	ELEMENTS * P * PPM	MRN	MARC BELANGER						LAC BRISSON						COORDONNEES		ZONE UTM	
		SC	* SM	* SR	* TH	* TI	* V	* Y	* SN	UTM EST	COORDONNEES UTM NORD							
		PPM	PPM	PPM	PPM	CCT	PPM	PPM	PPM	PPM	PPM							
66601	598	1														428500.0	6242800.0	20
66602	327	1														429500.0	6242600.0	20
66603	697	1														429800.0	6242200.0	20
66606	444	1														4282600.0	6242900.0	20
66607	538	1														4274400.0	6242600.0	20
66608	1061	1														4208000.0	6233200.0	20
66609	549	1														4330000.0	6233600.0	20
66610	772	1														4338000.0	6233700.0	20
66611	759	1														4289000.0	6233800.0	20
66612	612	1														4289000.0	6233800.0	20
66613	296	1														4162000.0	6233900.0	20
66615	508	1														4166000.0	6233950.0	20
66616	508	1														4169000.0	6233920.0	20
66617	449	1														4179000.0	6233980.0	20
66618	864	1														4189000.0	6252700.0	20
66619	922	1														4311000.0	6233930.0	20
66620	466	1														4118000.0	6247400.0	20
66622	551	1														4312000.0	6258500.0	20
66623	1660	1														4168000.0	6233300.0	20
66624	934	1														4171000.0	6233830.0	20
66625	572	1														4186000.0	6233830.0	20
66626	559	1														4181000.0	6233200.0	20
66627	675	1														4228600.0	6249200.0	20
66629	775	1														4229000.0	6247100.0	20
66633	329	1														4280000.0	6244600.0	20
66634	143	1														4286600.0	6245700.0	20
66635	1536	1														4090000.0	6243500.0	20
66636	1021	1														4316000.0	6255000.0	20
66637	714	1														4331000.0	6245020.0	20
66638	717	1														4299000.0	6244980.0	20
66639	1028	1														4293800.0	6244980.0	20
66640	993	1														4293800.0	6244980.0	20
66641	446	1														4359500.0	6235800.0	20
66642	346	1														4339700.0	6235700.0	20
66643	223	1														4326200.0	6235720.0	20
66644	104	1														4326000.0	6235790.0	20
66645	199	1														4228800.0	6235940.0	20
66646	391	1														4228400.0	6235990.0	20
66647	653	1														4154000.0	6235670.0	20
66648	653	1														4178000.0	6235720.0	20
66649	107	1														4173000.0	6235630.0	20
66650	1314	1														4335000.0	6237000.0	20
66651	663	1														4335500.0	6237100.0	20
66652	550	1														4335300.0	6235740.0	20
66653	225	1														4337600.0	6235690.0	20
66654	481	1														4167000.0	6241200.0	20
66655	550	1														4160000.0	6241100.0	20
66656	550	1														4154000.0	6240800.0	20
66657	451	1														4129000.0	6240600.0	20
66658	1048	1														4121000.0	6240700.0	20
66659	539	1														4260000.0	6221740.0	20
66660	337	1														4408000.0	6222950.0	20
66661	351	1														4416000.0	6230700.0	20
66662	456	1														4424000.0	6233090.0	20
66663	201	1														4423000.0	6233110.0	20
66664	703	1														4423000.0	6233150.0	20
66665	755	1														4431000.0	6233200.0	20
66666	911	1														4267000.0	6221260.0	20
66667	941	1														4332000.0	6221760.0	20
66668	1095	1														4335500.0	6221780.0	20
66669	334	1														4335500.0	6221780.0	20
66670	305	1														4330000.0	6221730.0	20
66671	1032	1														4327000.0	6221720.0	20
66672	321	2														4224400.0	6221870.0	20
66673	394	1														4304000.0	6222066.0	20
66674	597	1														4267000.0	6224590.0	20
66675	643	1														4269000.0	6224590.0	20
66676	597	1														4266600.0	6224820.0	20
66677	597	1														4267000.0	6224810.0	20
66678	597	1														4266600.0	6224730.0	20
66679	597	1														4266600.0	6224710.0	20
66680	597	1														4266600.0	6224640.0	20
66681	597	1														4266600.0	6224600.0	20
66682	597	1														4266600.0	6224640.0	20
66683	597	1														4266600.0	6224640.0	20
66684	597	1														4266600.0	6224640.0	20
66685	597	1														4266600.0	6224640.0	20
66686	597	1														4266600.0	6224640.0	20
66687	597	1														4266600.0	6224640.0	20
66688	597	1														4266600.0	6224640.0	20
66689	597	1														4266600.0	6224640.0	20
66690	597	1														4266600.0	6224640.0	20
66691	597	1														4266600.0	6224640.0	20
66692	597	1														4266600.0	6224640.0	20
66693	597	1														4266600.0	6224640.0	20
66694	597	1														4266600.0	6224640.0	20
66695	597	1														4266600.0	6224640.0	20
66696	597	1														4266600.0	6224640.0	20
66697	597	1														4266600.0	6224640.0	20
66698	597	1														4266600.0	6224640.0	20
66699	597	1														4266600.0	6224640.0	20
66700	597	1														4266600.0	6224640.0	20

NUMERO D'ADRESSE PERMANENT	ELEMENTS		MRN	MARC BELANGER	LAC BRISSON (SR)										COORDONNEES UTM EST	COORDONNEES UTM NORD	ZONE UTM	
	* PPM	* PPM			* SPP	* PPM	* SPP	* PPM	* SPP	* PPM	* SPP	* PPM	* SPP	* PPM				* SPP
66669	397															414500.0	6241600.0	20
66668	356															413100.0	6242400.0	20
66667	353															413100.0	6242400.0	20
66666	353															427800.0	6240800.0	20
66665	331															422300.0	6248700.0	20
66664	311															421800.0	6248600.0	20
66663	288															421700.0	6248900.0	20
66662	267															419900.0	6248800.0	20
66661	267															419100.0	6248900.0	20
66660	253															407800.0	6251900.0	20
66659	253															408200.0	6249800.0	20
66658	253															417400.0	6248200.0	20
66657	253															419000.0	6248800.0	20
66656	253															409500.0	6250900.0	20
66655	253															425100.0	6255400.0	20
66654	253															425300.0	6253900.0	20
66653	253															426700.0	6252700.0	20
66652	253															4337800.0	6261400.0	20
66651	253															4335700.0	6261500.0	20
66650	253															4335200.0	6261200.0	20
66649	253															434100.0	6261500.0	20
66648	253															433300.0	6261400.0	20
66647	253															434100.0	6261500.0	20
66646	253															441300.0	6260000.0	20
66645	253															441500.0	6260000.0	20
66644	253															442200.0	6260000.0	20
66643	253															442200.0	6260000.0	20
66642	253															442200.0	6260000.0	20
66641	253															442200.0	6260000.0	20
66640	253															442200.0	6260000.0	20
66639	253															442200.0	6260000.0	20
66638	253															442200.0	6260000.0	20
66637	253															442200.0	6260000.0	20
66636	253															442200.0	6260000.0	20
66635	253															442200.0	6260000.0	20
66634	253															442200.0	6260000.0	20
66633	253															442200.0	6260000.0	20
66632	253															442200.0	6260000.0	20
66631	253															442200.0	6260000.0	20
66630	253															442200.0	6260000.0	20
66629	253															442200.0	6260000.0	20
66628	253															442200.0	6260000.0	20
66627	253															442200.0	6260000.0	20
66626	253															442200.0	6260000.0	20
66625	253															442200.0	6260000.0	20
66624	253															442200.0	6260000.0	20
66623	253															442200.0	6260000.0	20
66622	253															442200.0	6260000.0	20
66621	253															442200.0	6260000.0	20
66620	253															442200.0	6260000.0	20
66619	253															442200.0	6260000.0	20
66618	253															442200.0	6260000.0	20
66617	253															442200.0	6260000.0	20
66616	253															442200.0	6260000.0	20
66615	253															442200.0	6260000.0	20
66614	253															442200.0	6260000.0	20
66613	253															442200.0	6260000.0	20
66612	253															442200.0	6260000.0	20
66611	253															442200.0	6260000.0	20
66610	253															442200.0	6260000.0	20
66609	253															442200.0	6260000.0	20
66608	253															442200.0	6260000.0	20
66607	253															442200.0	6260000.0	20
66606	253															442200.0	6260000.0	20
66605	253															442200.0	6260000.0	20
66604	253															442200.0	6260000.0	20
66603	253															442200.0	6260000.0	20
66602	253															442200.0	6260000.0	20
66601	253															442200.0	6260000.0	20
66600	253															442200.0	6260000.0	20
66599	253															442200.0	6260000.0	20
66598	253															442200.0	6260000.0	20
66597	253															442200.0	6260000.0	20
66596	253															442200.0	6260000.0	20
66595	253															442200.0	6260000.0	20
66594	253															442200.0	6260000.0	20
66593	253															442200.0	6260000.0	20
66592	253															442200.0	6260000.0	20
66591	253															442200.0	6260000.0	20
66590	253															442200.0	6260000.0	20
66589	253															442200.0	6260000.0	20
66588	253															442200.0	6260000.0	20
66587	253															442200.0	6260000.0	20
66586	253															442200.0	6260000.0	20
66585	253															442200.0	6260000.0	20
66584	253															442200.0	6260000.0	20
66583	253															442200.0	6260000.0	20
66582	253															442200.0	6260000.0	20
66581	253															442200.0	6260000.0	20
66580	253															442200.0	6260000.0	20
66579	253															442200.0	6260000.0	20
66578	253															442200.0	6260000.0	20
66577	253															442200.0	6260000.0	20
66576	253															442200.0	6260000.0	20
66575	253															442200.0	6260000.0	20
66574	253															442200.0	6260000.0	20
66573	253															442200.0	6260000.0	20
66572	253															442200.0	6260000.0	20
66571	253															442200.0	6260000.0	20
66570	253															442200.0	6260000.0	20
66569	253															442200.0	6260000.0	20
66568	253															442200.0	6260000.0	20
66567	253															442200.0	6260000.0	20
66566	253															442200.0	6260000.0	20
66565	253															442200.0	6260000.0	20
66564	253															442200.0	6260000.0	20
66563	253															442200.0	6260000.0	20

MRN		MARC BELANGER		LAC BRISSON		(SR)				COORDONNEES	COORDONNEES	ZONE
NUMERO	ELEMENTS									UTM EST	UTM NORD	UTM
BADGEO	* P	* SC	* SM	* SR	* TH	* TI	* V	* Y	* SM			
PERMANENT	PPM	PPM	PPM	PPM	PPM	CCT	PPM	PPM	PPM			
16783	662									415900.0	6262100.0	20
16789	871									414400.0	6262100.0	20
16790	583									413900.0	6262000.0	20
16791	1814	1								417200.0	6259900.0	20
16792	1949									417900.0	6259700.0	20
16793	1043									418100.0	6259500.0	20
16794	793									418400.0	6259400.0	20
16795	604									413600.0	6262300.0	20
16796	820									413300.0	6262200.0	20
16797	76									412600.0	6262200.0	20
16798	77									429900.0	6232500.0	20
16799	44									429600.0	6231800.0	20
16800	101									429500.0	6231600.0	20
16801	433									429400.0	6245500.0	20
16802	1159	1								429900.0	6245500.0	20
16803	354									431100.0	6245900.0	20
16804	355									431300.0	6246200.0	20
16805	799									430300.0	6244800.0	20
16806	674									432300.0	6261000.0	20
16807	594									413300.0	6262700.0	20
16808	1055									415700.0	6262100.0	20
16809	222									4022400.0	62595600.0	20
16810	222									415800.0	6239700.0	20
16811	355									414900.0	6239600.0	20
16812	733									412200.0	6239400.0	20
16813	400									409400.0	6239800.0	20
16814	200									408000.0	6241000.0	20
16815	410									409200.0	6241600.0	20
16816	801									422800.0	6260700.0	20
16817	637									422400.0	6261200.0	20
16818	793									424000.0	6215200.0	20
16819	222									409200.0	6257800.0	20
16820	88									408100.0	6255900.0	20
16821	114									424000.0	6260500.0	20
16822	318									423900.0	6260300.0	20
16823	670									415800.0	6253500.0	20
16824	64									415100.0	6254300.0	20
16825	74									416400.0	6254400.0	20
16826	48									416100.0	6255500.0	20
16827	69									416300.0	6255700.0	20
16828	76									415200.0	6226600.0	20
16829	33									424600.0	6225600.0	20
16830	103									414500.0	6225500.0	20
16831	82									415800.0	6225300.0	20
16832	88									422300.0	6211300.0	20
16833	99									425500.0	6225600.0	20
16834	47									426600.0	6224700.0	20
16835	41									424500.0	6224500.0	20
16836	60									414600.0	6220300.0	20
16837	103									413500.0	6218200.0	20
16838	44									412600.0	6217300.0	20
16839	111									409500.0	6229200.0	20
16840	66									407600.0	6229700.0	20
16841	109									415600.0	6249900.0	20
16842	73									417000.0	62488200.0	20
16843	79									407300.0	6239300.0	20
16844	53									431200.0	6260500.0	20
16845	60									417100.0	62440600.0	20
16846	101									416200.0	62441600.0	20
16847	103									412800.0	6233900.0	20
16848	23									431600.0	62461300.0	20
16849	23									432400.0	6260100.0	20
16850	99									422500.0	62466700.0	20
16851	133									422000.0	62336100.0	20
16852	77									419700.0	6255700.0	20
16853	155									419400.0	6255300.0	20
16854	133									419300.0	6255100.0	20
16855	153									419400.0	6244800.0	20
16856	103									418300.0	6244300.0	20
16857	77									417100.0	6243800.0	20
16858	134									417600.0	6244700.0	20
16859	92									417300.0	62436200.0	20
16860	44									408100.0	6245300.0	20
16861	23									408300.0	6245300.0	20
16862	63									406800.0	6245600.0	20
16863	37									413500.0	6243200.0	20
16864	70									431100.0	6255000.0	20
16865	88									429700.0	6255900.0	20
16866	50									425100.0	6240800.0	20
16867	21									431600.0	6256700.0	20
16868	21									421500.0	6257300.0	20
16869	40									425100.0	6240700.0	20

NUMERO BADGE PERMANENT	ELEMENTS P	MRN		MARC BELANGER				LAC BRISSON				(SP)		COORDONNEES UTM EST	COORDONNEES UTM NORD	ZONE UTM
		SC PPM	PS PPM	SR PPM	TH PPM	TI CCT	V PPM	Y PPM	SN PPM	UTM EST	UTM NORD					
116891	1						17			13	14			425400.0	6241300.0	20
116892	2						17			13	14			426200.0	6244100.0	20
116893	3						17			13	14			427000.0	6246900.0	20
116894	4						17			13	14			427800.0	6249700.0	20
116895	5						17			13	14			428600.0	6252500.0	20
116896	6						17			13	14			429400.0	6255300.0	20
116897	7						17			13	14			430200.0	6258100.0	20
116898	8						17			13	14			431000.0	6260900.0	20
116899	9						17			13	14			431800.0	6263700.0	20
116900	0						17			13	14			432600.0	6266500.0	20
116901	1						17			13	14			433400.0	6269300.0	20
116902	2						17			13	14			434200.0	6272100.0	20
116903	3						17			13	14			435000.0	6274900.0	20
116904	4						17			13	14			435800.0	6277700.0	20
116905	5						17			13	14			436600.0	6280500.0	20
116906	6						17			13	14			437400.0	6283300.0	20
116907	7						17			13	14			438200.0	6286100.0	20
116908	8						17			13	14			439000.0	6288900.0	20
116909	9						17			13	14			439800.0	6291700.0	20
116910	0						17			13	14			440600.0	6294500.0	20
116911	1						17			13	14			441400.0	6297300.0	20
116912	2						17			13	14			442200.0	6300100.0	20
116913	3						17			13	14			443000.0	6302900.0	20
116914	4						17			13	14			443800.0	6305700.0	20
116915	5						17			13	14			444600.0	6308500.0	20
116916	6						17			13	14			445400.0	6311300.0	20
116917	7						17			13	14			446200.0	6314100.0	20
116918	8						17			13	14			447000.0	6316900.0	20
116919	9						17			13	14			447800.0	6319700.0	20
116920	0						17			13	14			448600.0	6322500.0	20
116921	1						17			13	14			449400.0	6325300.0	20
116922	2						17			13	14			450200.0	6328100.0	20
116923	3						17			13	14			451000.0	6330900.0	20
116924	4						17			13	14			451800.0	6333700.0	20
116925	5						17			13	14			452600.0	6336500.0	20
116926	6						17			13	14			453400.0	6339300.0	20
116927	7						17			13	14			454200.0	6342100.0	20
116928	8						17			13	14			455000.0	6344900.0	20
116929	9						17			13	14			455800.0	6347700.0	20
116930	0						17			13	14			456600.0	6350500.0	20
116931	1						17			13	14			457400.0	6353300.0	20
116932	2						17			13	14			458200.0	6356100.0	20
116933	3						17			13	14			459000.0	6358900.0	20
116934	4						17			13	14			459800.0	6361700.0	20
116935	5						17			13	14			460600.0	6364500.0	20
116936	6						17			13	14			461400.0	6367300.0	20
116937	7						17			13	14			462200.0	6370100.0	20
116938	8						17			13	14			463000.0	6372900.0	20
116939	9						17			13	14			463800.0	6375700.0	20
116940	0						17			13	14			464600.0	6378500.0	20
116941	1						17			13	14			465400.0	6381300.0	20
116942	2						17			13	14			466200.0	6384100.0	20
116943	3						17			13	14			467000.0	6386900.0	20
116944	4						17			13	14			467800.0	6389700.0	20
116945	5						17			13	14			468600.0	6392500.0	20
116946	6						17			13	14			469400.0	6395300.0	20
116947	7						17			13	14			470200.0	6398100.0	20
116948	8						17			13	14			471000.0	6400900.0	20
116949	9						17			13	14			471800.0	6403700.0	20
116950	0						17			13	14			472600.0	6406500.0	20
116951	1						17			13	14			473400.0	6409300.0	20
116952	2						17			13	14			474200.0	6412100.0	20
116953	3						17			13	14			475000.0	6414900.0	20
116954	4						17			13	14			475800.0	6417700.0	20
116955	5						17			13	14			476600.0	6420500.0	20
116956	6						17			13	14			477400.0	6423300.0	20
116957	7						17			13	14			478200.0	6426100.0	20
116958	8						17			13	14			479000.0	6428900.0	20
116959	9						17			13	14			479800.0	6431700.0	20
116960	0						17			13	14			480600.0	6434500.0	20
116961	1						17			13	14			481400.0	6437300.0	20
116962	2						17			13	14			482200.0	6440100.0	20
116963	3						17			13	14			483000.0	6442900.0	20
116964	4						17			13	14			483800.0	6445700.0	20
116965	5						17			13	14			484600.0	6448500.0	20
116966	6						17			13	14			485400.0	6451300.0	20
116967	7						17			13	14			486200.0	6454100.0	20
116968	8						17			13	14			487000.0	6456900.0	20
116969	9						17			13	14			487800.0	6459700.0	20
116970	0						17			13	14			488600.0	6462500.0	20
116971	1						17			13	14			489400.0	6465300.0	20
116972	2						17			13	14			490200.0	6468100.0	20
116973	3						17			13	14			491000.0	6470900.0	20
116974	4						17			13	14			491800.0	6473700.0	20
116975	5						17			13	14			492600.0	6476500.0	20
116976	6						17			13	14			493400.0	6479300.0	20
116977	7						17			13	14			494200.0	6482100.0	20
116978	8						17			13	14			495000.0	6484900.0	20
116979	9						17			13	14			495800.0	6487700.0	20
116980	0						17			13	14			496600.0	6490500.0	20
116981	1						17			13	14			497400.0	6493300.0	20
116982	2						17			13	14			498200.0	6496100.0	20
116983	3						17			13	14			499000.0	6498900.0	20
116984	4						17			13	14			499800.0	6501700.0	20
116985	5						17			13	14			500600.0	6504500.0	20
116986	6						17			13	14			501400.0	6507300.0	20
116987	7						17			13	14			502200.0	6510100.0	20
116988	8						17			13	14			503000.0	6512900.0	20
116989	9						17			13	14			503800.0	6515700.0	20
116990	0						17			13	14			504600.0	6518500.0	20
116991	1						17			13	14			505400.0	6521300.0	20
116992	2						17			13	14			506200.0	6524100.0	20
116993	3						17			13	14			507000.0	6526900.0	20
116994	4						17			13	14			507800.0	6529700.0	20
116995	5						17			13	14			508600.0	6532500.0	20
116996	6						17			13	14			509400.0	6535300.0	20
116997	7						17			13	14			510200.0	6538100.0	20</

NUMERO BADGE PERMANENT	ELEMENTS		MARC BELANGER LAC BRISSON (SR)										COORDONNEES		COORDONNEES		ZONE			
	* P	* SC	* SR	* TH	* TI	* V	* Y	* SN	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	* UTM EST	
700001	1																			
700002	1																			
700003	1																			
700004	1																			
700005	1																			
700006	1																			
700007	1																			
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700010	1																			
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700056	1																			
71001	1																			
71002	1																			
71003	1																			
71004	1																			
71005	1																			
71006	1																			
71007	1																			
71008	1																			
71009	1																			
71010	1																			
71011	1																			
71012	1																			
71013	1																			
71014	1																			
71015	1																			
71016	1																			
71017	1																			
71018	1																			
71019	1																			
71020	1																			
71021	1																			
71022	1																			

NUMERO BADGE PERMANENT	ELEMENTS		MRN	MARC BELANGER		LAC BRISSON		(SR)		COORDONNEES		COORDONNEES	ZONE
	* P	* S	* SC	* SR	* TH	* TI	* V	* Y	* SH	UTM EST	UTM NORD	UTM	
	PPH	PPH	PPH	PPH	PPH	CCT	PPH	PPH	PPH				
77123	1243						27	26			434300.0	6220806.0	20
77124	1064						1	41			434300.0	6221100.0	20
77125	1467						1	12			432240.0	6222700.0	20
77126	677						1	20			422200.0	6222200.0	20
77127	148						1	12			434900.0	6221400.0	20
77128	677						1	20			4222100.0	6222900.0	20
77129	655						1	7			4233300.0	6220400.0	20
77130	820						1	16			456360.0	6221000.0	20
77131	1156						1	16			454700.0	62210700.0	20
77132	1095						1	11			454820.0	62211100.0	20
77133	800						1	11			4563300.0	62211600.0	20
77134	735						1	11			456360.0	62210300.0	20
77135	716						1	3			456660.0	62210000.0	20
77136	771						1	8			465700.0	62208600.0	20
77137	533						1	15			465100.0	62208000.0	20
77138	399						1	5			465000.0	62207900.0	20
77139	41						1	5			444580.0	62216100.0	20
77140	572						1	30			4433800.0	62216400.0	20
77141	911						1	4			4430000.0	62215900.0	20
77142	595						1	16			442400.0	62215200.0	20
77143	776						1	16			442100.0	62215200.0	20
77144	1178						1	24			439460.0	62211400.0	20
77145	732						1	24			439000.0	62211300.0	20
77146	856						1	51			4386600.0	62211300.0	20
77147	399						1	23			4385500.0	62211400.0	20
77148	49						1	11			4388000.0	62211400.0	20
77149	1130						1	10			4377270.0	62211310.0	20
77150	744						1	14			4378000.0	622133600.0	20
77151	705						1	13			43283400.0	62222500.0	20
77152	759						1	13			4327300.0	62223500.0	20
77153	1038						1	14			4327700.0	62223500.0	20
77154	1194						1	14			4355360.0	6220700.0	20
77155	941						1	11			4345500.0	622050400.0	20
77156	996						1	17			4336000.0	6220100.0	20
77157	994						1	30			433000.0	6220900.0	20
77158	594						1	22			435700.0	622133200.0	20
77159	592						1	22			435700.0	622133200.0	20
77160	532						1	22			415100.0	62217700.0	20
77161	1074						1	18			416380.0	622109800.0	20
77162	181						1	19			416800.0	62210200.0	20
77163	595						1	19			417000.0	62210000.0	20
77164	800						1	19			419260.0	622083700.0	20
77165	172						1	19			419660.0	62208700.0	20
77166	322						1	5			418200.0	62207100.0	20
77167	845						1	5			408700.0	62207200.0	20
77168	732						1	5			409760.0	62207400.0	20
77169	669						1	5			413800.0	62208200.0	20
77170	669						1	5			411700.0	62208200.0	20
77171	712						1	20			425400.0	6220100.0	20
77172	667						1	21			435400.0	6221400.0	20
77173	365						1	5			432600.0	62219200.0	20
77174	399						1	22			432400.0	62220400.0	20
77175	950						1	19			431600.0	62219800.0	20
77176	934						1	24			436100.0	62221300.0	20
77177	797						1	32			436200.0	62220500.0	20
77178	443						1	11			435900.0	62218400.0	20
77179	516						1	13			433800.0	62217500.0	20
77180	439						1	24			436800.0	62221600.0	20
77181	944						1	31			436700.0	62211700.0	20
77182	297						1	14			434500.0	622116500.0	20
77183	976						1	24			436700.0	62211800.0	20
77184	721						1	24			436600.0	62211900.0	20
77185	1290						1	33			436500.0	62211690.0	20
77186	1049						1	33			434360.0	62210600.0	20
77187	994						1	56			434100.0	62210500.0	20
77188	1547						1	5			431200.0	622120100.0	20
77189	1134						1	2			430300.0	622119500.0	20
77190	495						1	1			434000.0	622116400.0	20
77191	422						1	15			433300.0	62214800.0	20
77192	392						1	16			433260.0	62214200.0	20
77193	853						1	19			445400.0	622066400.0	20
77194	735						1	36			440300.0	62207300.0	20
77195	711						1	10			438300.0	62208200.0	20
77196	534						1	12			438000.0	62208000.0	20
77197	352						1	13			436100.0	62207500.0	20
77198	351						1	3			434700.0	62207300.0	20
77199	959						1	17			430860.0	62205800.0	20
77200	998						1	30			413300.0	62211100.0	20
77201	232						1	2			433000.0	62206500.0	20
77202	474						1	2			435360.0	62207200.0	20
77203	375						1	5			443200.0	62216300.0	20
77204	333						1	3			443600.0	62211000.0	20
77205	333						1	3			442600.0	6220700.0	20
77206	244						1	6			448200.0	62207700.0	20

NUMERO BADGE PERMANENT	ELEMENTS * P PPM	MPN												COORDONNEES			ZONE UTM		
		MARC BELANGER												UTM EST		UTM NORD			
		* SC PPM	* SM PPM	* SP PPM	* TH PPM	* TI CCT	* V PPM	* Y PPM	* SN PPM										
17219	1223		12	14		19		13		81		21					445200.0	6210800.0	20
17220	1223		12	14		19		13		81		21					444600.0	6211100.0	20
17221	1223		12	14		19		13		81		21					444000.0	6210900.0	20
17222	1223		12	14		19		13		81		21					443400.0	6210900.0	20
17223	1223		12	14		19		13		81		21					442800.0	6210900.0	20
17224	1223		12	14		19		13		81		21					442200.0	6210900.0	20
17225	1223		12	14		19		13		81		21					441600.0	6210900.0	20
17226	1223		12	14		19		13		81		21					441000.0	6210900.0	20
17227	1223		12	14		19		13		81		21					440400.0	6210900.0	20
17228	1223		12	14		19		13		81		21					439800.0	6210900.0	20
17229	1223		12	14		19		13		81		21					439200.0	6210900.0	20
17230	1223		12	14		19		13		81		21					438600.0	6210900.0	20
17231	1223		12	14		19		13		81		21					438000.0	6210900.0	20
17232	1223		12	14		19		13		81		21					437400.0	6210900.0	20
17233	1223		12	14		19		13		81		21					436800.0	6210900.0	20
17234	1223		12	14		19		13		81		21					436200.0	6210900.0	20
17235	1223		12	14		19		13		81		21					435600.0	6210900.0	20
17236	1223		12	14		19		13		81		21					435000.0	6210900.0	20
17237	1223		12	14		19		13		81		21					434400.0	6210900.0	20
17238	1223		12	14		19		13		81		21					433800.0	6210900.0	20
17239	1223		12	14		19		13		81		21					433200.0	6210900.0	20
17240	1223		12	14		19		13		81		21					432600.0	6210900.0	20
17241	1223		12	14		19		13		81		21					432000.0	6210900.0	20
17242	1223		12	14		19		13		81		21					431400.0	6210900.0	20
17243	1223		12	14		19		13		81		21					430800.0	6210900.0	20
17244	1223		12	14		19		13		81		21					430200.0	6210900.0	20
17245	1223		12	14		19		13		81		21					429600.0	6210900.0	20
17246	1223		12	14		19		13		81		21					429000.0	6210900.0	20
17247	1223		12	14		19		13		81		21					428400.0	6210900.0	20
17248	1223		12	14		19		13		81		21					427800.0	6210900.0	20
17249	1223		12	14		19		13		81		21					427200.0	6210900.0	20
17250	1223		12	14		19		13		81		21					426600.0	6210900.0	20
17251	1223		12	14		19		13		81		21					426000.0	6210900.0	20
17252	1223		12	14		19		13		81		21					425400.0	6210900.0	20
17253	1223		12	14		19		13		81		21					424800.0	6210900.0	20
17254	1223		12	14		19		13		81		21					424200.0	6210900.0	20
17255	1223		12	14		19		13		81		21					423600.0	6210900.0	20
17256	1223		12	14		19		13		81		21					423000.0	6210900.0	20
17257	1223		12	14		19		13		81		21					422400.0	6210900.0	20

NUMERO BADGE PERMANENT	ELEMENTS		MRN		MARC BELANGER				LAC BRISSON				(SR)		COORDONNEES UTM EST	COORDONNEES UTM NORD	ZONE UTM
	* P	* S	* SC	* SM	* SF	* TH	* TI	* V	* Y	* SN							
	PPM	PPM	PPM	PPM	PPM	PPM	CCT	PPM	PPM	PPM							
17455	395		1	7	4	17	4	6	11	N	N	N	N	450500.0	6153400.0	20	
17459	1222		4	24	12	45	7	25	40	N	N	N	N	451900.0	6153700.0	20	
17460	4337		5	25	25	71	3	21	33	N	N	N	N	457200.0	6156500.0	20	
17461	893		4	25	15	24		35	36	N	N	N	N	457900.0	6156200.0	20	
17462	2335		3	26	10	57	6	29	55	N	N	N	N	452700.0	6152100.0	20	
17463	689		1	9	5	22	2	9	16	N	N	N	N	455900.0	6128100.0	20	
17464	381		1	4	3	6	2	4	5	N	N	N	N	451800.0	6156500.0	20	
17465	766		2	10	2	14	1	4	16	N	N	N	N	452300.0	6156500.0	20	
17466	1666		4	20	2	33	3	13	36	N	N	N	N	452700.0	6156300.0	20	
17467	605		6	22	10	102	24	12	39	N	N	N	N	453900.0	6156700.0	20	
17468	758		2	6	21	11	1	2	9	N	N	N	N	454500.0	6156600.0	20	
17469	886		4	15	17	37	7	9	23	N	N	N	N	454700.0	6156800.0	20	
17470	1026		2	10	6	34	5	14	17	N	N	N	N	455100.0	6157500.0	20	
17473	1069		3	10	15	20	3	18	20	N	N	N	N	454300.0	6157300.0	20	
17474	1344		7	41	9	64	7	35	61	N	N	N	N	454000.0	6154000.0	20	
17475	657		2	9	8	18	3	9	14	N	N	N	N	453300.0	6157100.0	20	
17476	1803		3	12	35	28	4	21	26	N	N	N	N	453500.0	6157100.0	20	
17479	1061		6	30	17	37	11	28	44	N	N	N	N	449100.0	6150400.0	20	
17480	918		4	15	20	25	7	14	22	N	N	N	N	448900.0	6150700.0	20	
17481	1132		5	10	24	37	7	13	39	N	N	N	N	449700.0	6150800.0	20	
17482	980		4	13	13	23	4	10	13	N	N	N	N	449900.0	6150800.0	20	
17483	925		3	15	21	48	6	24	25	N	N	N	N	450600.0	6150300.0	20	
17484	1052		4	20	20	31	6	28	31	N	N	N	N	450900.0	6151000.0	20	
17485	741		2	7	7	12	2	22	11	N	N	N	N	451600.0	6151400.0	20	
17486	619		2	18	7	21	2	64	33	N	N	N	N	452200.0	6151900.0	20	
17487	1300		1	4	17	18	3	22	7	N	N	N	N	453600.0	6151500.0	20	
17488	953		2	4	5	12	2	3	8	N	N	N	N	452300.0	6151400.0	20	
17489	845		2	6	7	9	6	11	10	N	N	N	N	451200.0	6155900.0	20	
17490	834		2	7	7	11	4	13	11	N	N	N	N	452400.0	6163300.0	20	
17491	2157		4	13	1	10	3	10	9	N	N	N	N	452700.0	6162600.0	20	
17492	1413		4	18	1	14	3	13	9	N	N	N	N	453200.0	6162600.0	20	
17493	1260		2	17	1	14	4	13	9	N	N	N	N	453000.0	6161100.0	20	
17494	1664		2	17	9	37	4	26	22	N	N	N	N	457100.0	6160700.0	20	
17495	1102		2	11	9	37	6	26	22	N	N	N	N	456000.0	6159200.0	20	

ANNEXE 2

Renseignements de terrain

R A D G E Q
ORGANISME MRN TYPE SR

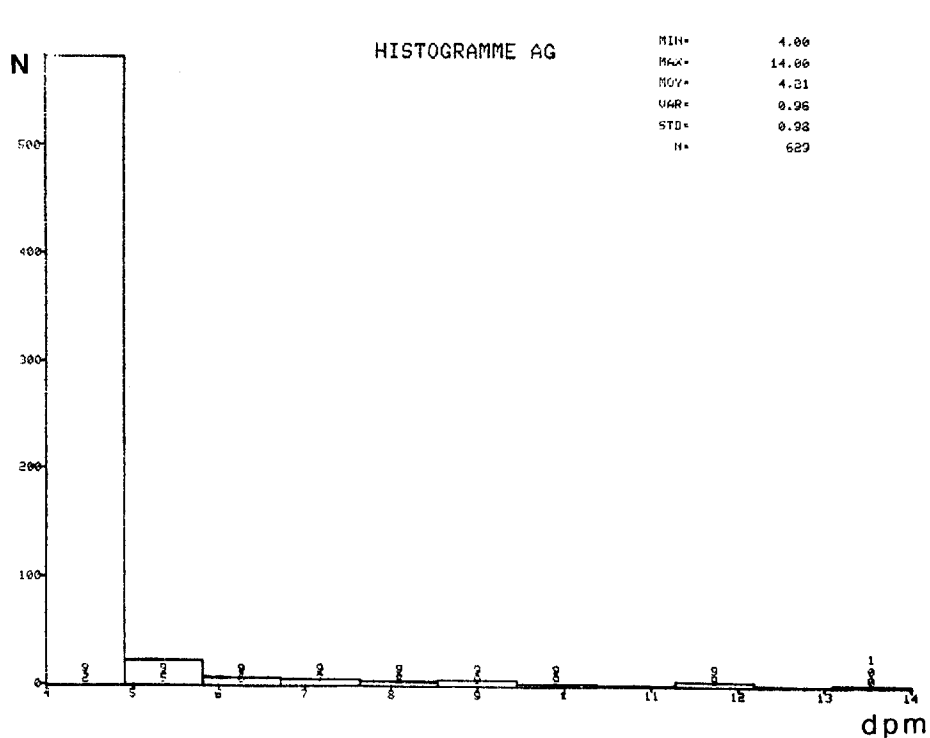
CODES DES RENSEIGNEMENTS DE TERRAIN POUR LES SEDIMENTS
DE RUISSEAU

PROF: PROFONDEUR DU RUISSEAU (1) 0 A 3 DM (0 A 1 PIED) (2) 3 A 6 DM (1 A 2 PIEDS) ETC... (9) PROFONDEUR INCONNUE, MAIS > 1 M	TYPE: RECOUVREMENT TYPE (1) NE S'APPLIQUE PAS (2) DEPOTS GLACIAIRES INDETERMINEES (3) FLUVIO-GLACIAIRE (4) TILL (5) FLUVIATILE (6) LACUSTRE (7) MARIN	COUL: COULEUR DE L'ECHAN- TILLON (1) BLANC (2) BEIGE (3) JAUNE (4) ORANGE (5) ROUGE (6) BRUN (7) BRUN FONCE (8) GRIS (9) NOIR
LARG: LARGEUR DU RUISSEAU (1) 0 A 3 DM (0 A 1 PIED) (2) 3 A 6 DM (1 A 2 PIEDS) ETC...	EPAI: EPAISSEUR DU RECOUVREMENT PRORABLE (1) < 1 M (2) 1 A 3 M (3) 3 A 9 M (4) > 9 M INCERTAIN (6) < 1 M (7) 1 A 3 M (8) 3 A 9 M (9) > 9 M (5) ESTIMATION IMPOSSIBLE	ROCH: TYPE DE ROCHE -CODE DU G.S.C.
FOND: NATURE DU FOND DU RUISSEAU (1) SOCLE ROCHEUX (2) GROS CAILLOUX (3) GRAVIER (4) SABLE ET GRAVIER (5) SABLE (6) SABLE ET SILT (7) SILT ET ARGILE (8) ARGILE (9) MATIERE ORGANIQUE	CONT: CONTAMINATION (1) AUCUNE (2) POSSIBLE (3) PROBABLE (4) CERTAINE	AGE: AGE GEOLOGIQUE -AGE DU G.S.C.
VITE: VITESSE DE L'EAU (1) RAPIDES (2) COURANT RAPIDE (TURBULENCES) (3) COURANT MOYEN (4) LENT (PAS DE TURBULENCES) (5) PAS DE MOUVEMENT APPARENT (6) HUMIDE OU SOUEUX (7) SEC	GENR: GENRE DE CONTAMINATION (1) NON APPLICABLE (2) TRAVAUX DE MINE (3) TRAVAUX DE VOIRIE (4) REBUTS METALLIQUES (5) DEPOTOIR (6) URBAINE (EAUX USEES) (7) FEUX DE FORET (8) AGRICOLE (9) COUPE DE ROIS	PH: PH EN DIXIEMES D'UNITES DE PH ECHA: NUMERO D'ECHAN- TILLONNEUR
TACH: TACHE D'OXYDES (0) PAS DE TACHES (1) BLANC (2) BEIGE (3) JAUNE (4) ORANGE (5) ROUGE (6) BRUN (7) VERT (8) GRIS (9) NOIR	MILI: MILIEU D'ECHANTILLONNAGE (1) SOUS L'EAU (2) AU NIVAU DE L'EAU (3) AU DESSUS DE L'EAU	JOUR: JOUR D'ECHAN- TILLONNAGE MOIS: MOIS D'ECHAN- TILLONNAGE
MATE: RECOUVREMENT MATERIEL (1) SOCLE APPARENT (2) BLOCS ET GRAVIER (3) SABLE ET GRAVIER (4) ARGILE ET SILT (5) ARGILE A BLOCS ET GRAVIER	GRAN: GRANULOMETRIE EN DIZAINES DE % ARG: % D'ARGILE SILT: % DE SILT SABL: % DE SABLE GRAV: % DE GRAVIER ORGA: % DE MATIERE ORGANIQUE	NOTE: 1 = NOTE 0 = PAS DE NOTE PROJ: NUMERO DE PROJET

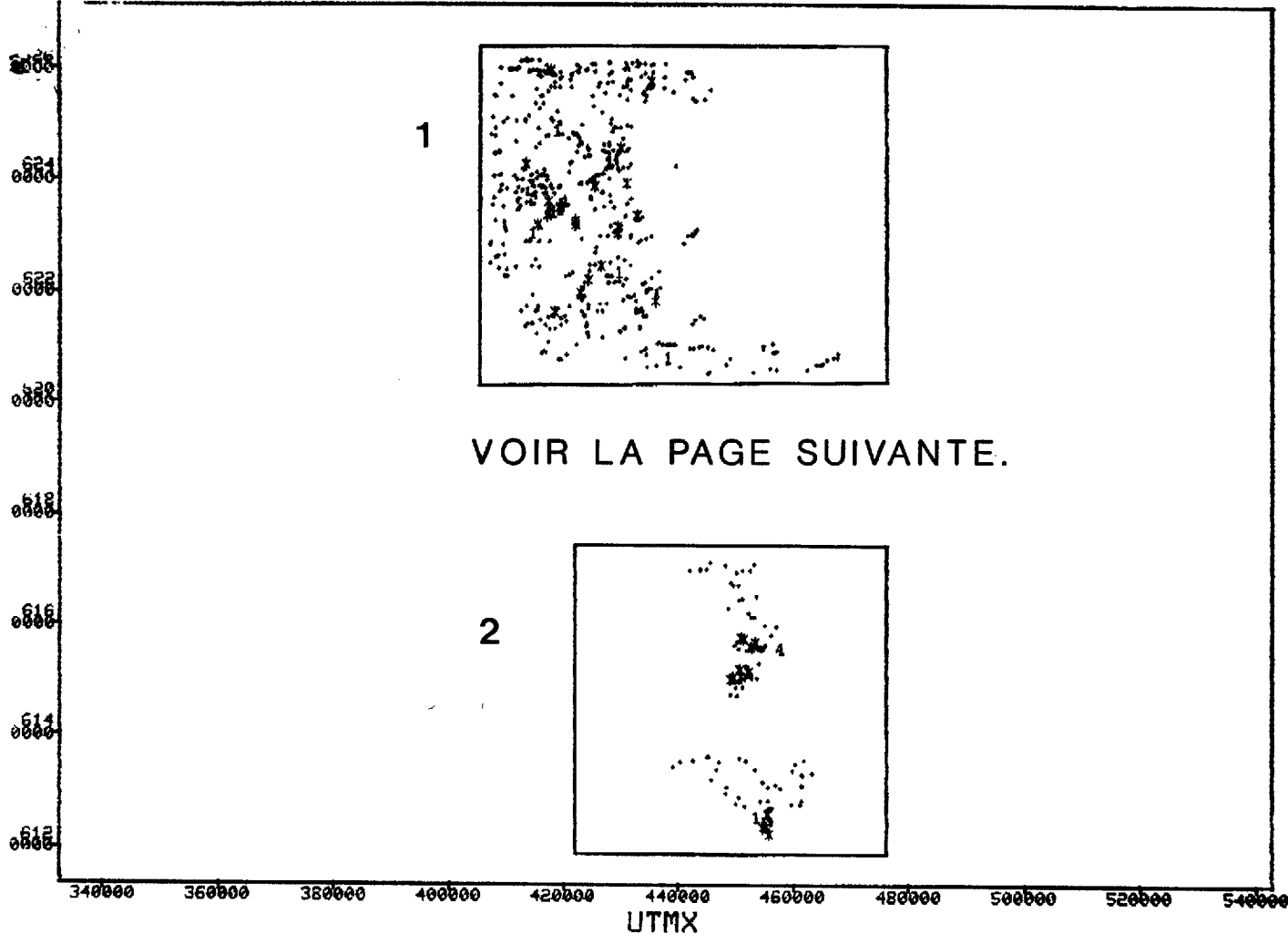
ANNEXE 3

Histogrammes avec statistiques
de base et cartes géochimiques pour
Ag, Al, As, B, Ba, Be, Ca, Cd, Ce, Co, Cr,
Cu, Eu, Fe, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb,
perte au feu, Sc, Sm, Sr, Th, Ti, U, V, Y, Zn

N.B. Les échelles des cartes géochimiques sont approximativement de
1:510 000 pour la section nord et de 1:450 000 pour la section
sud.

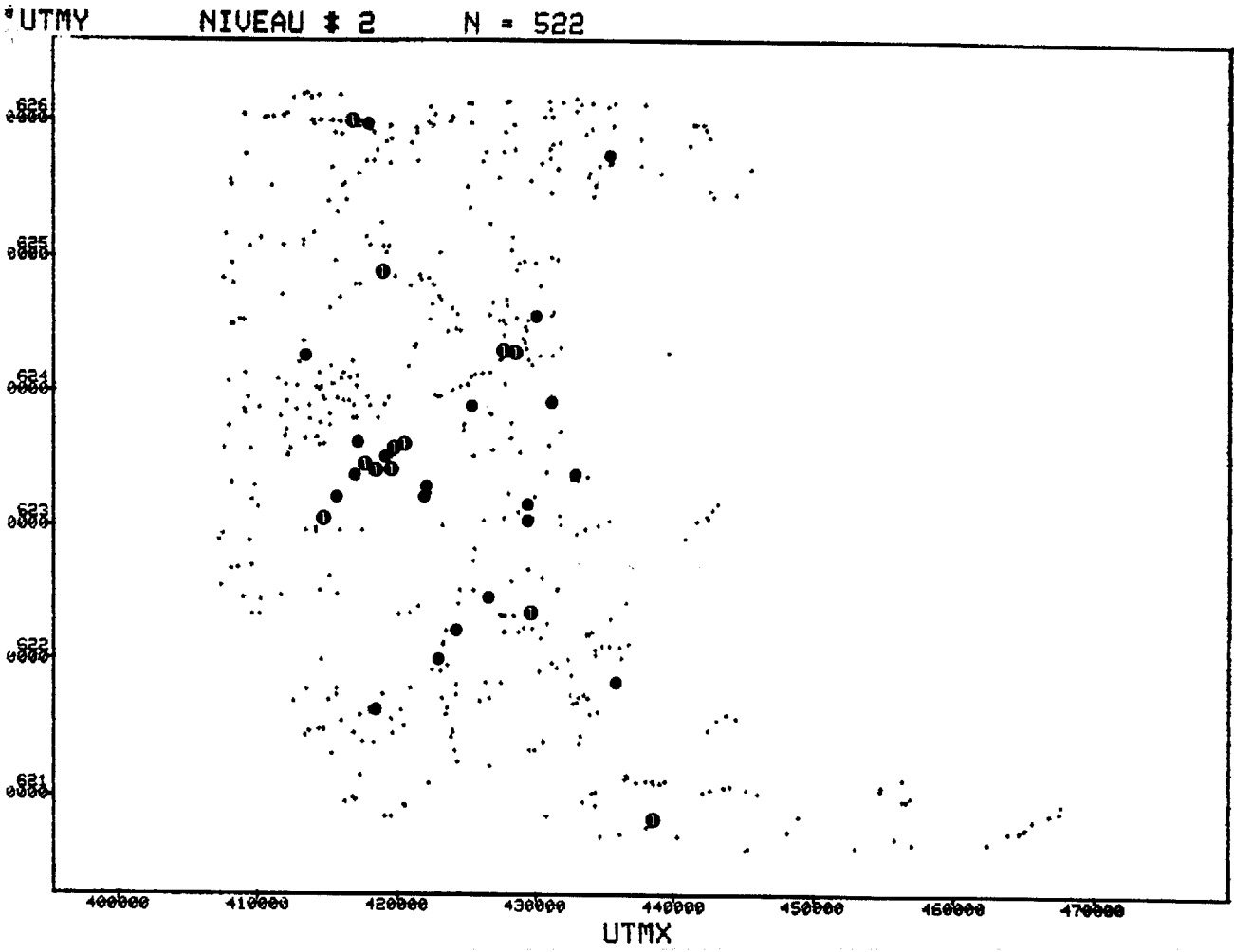


UTMY NIVEAU # 1 N = 629

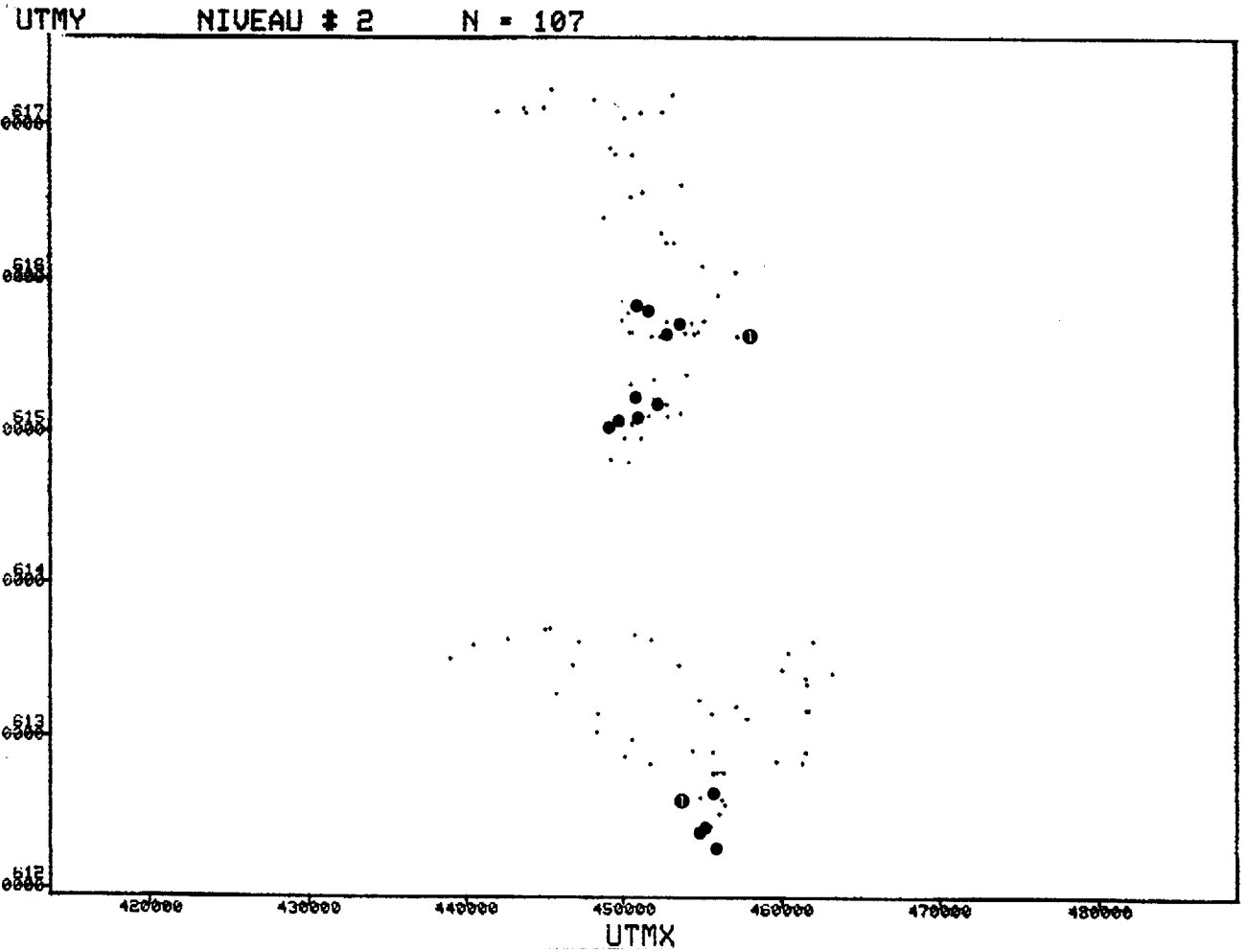


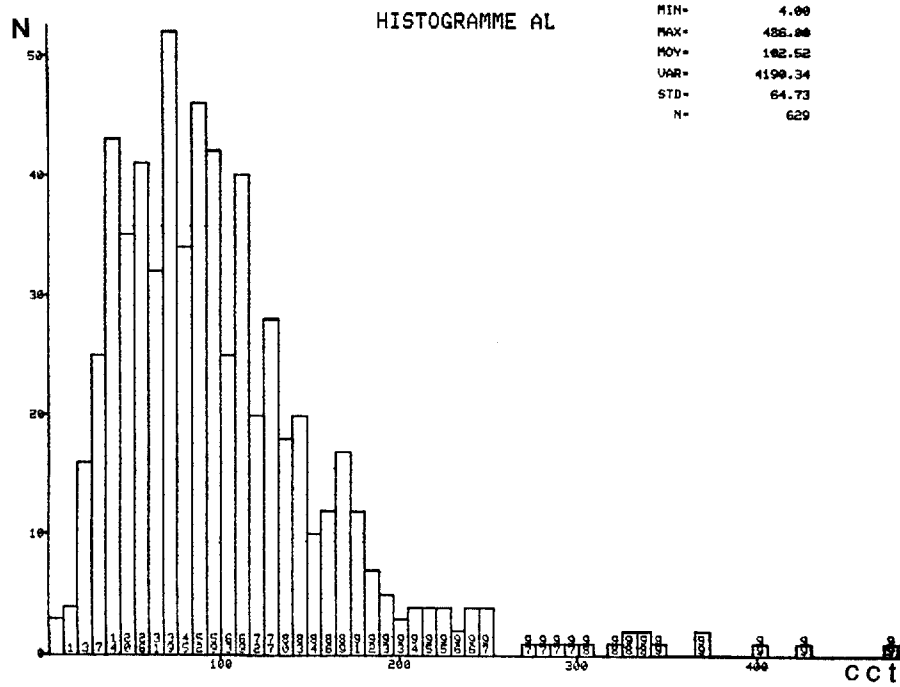
Ag

1



2



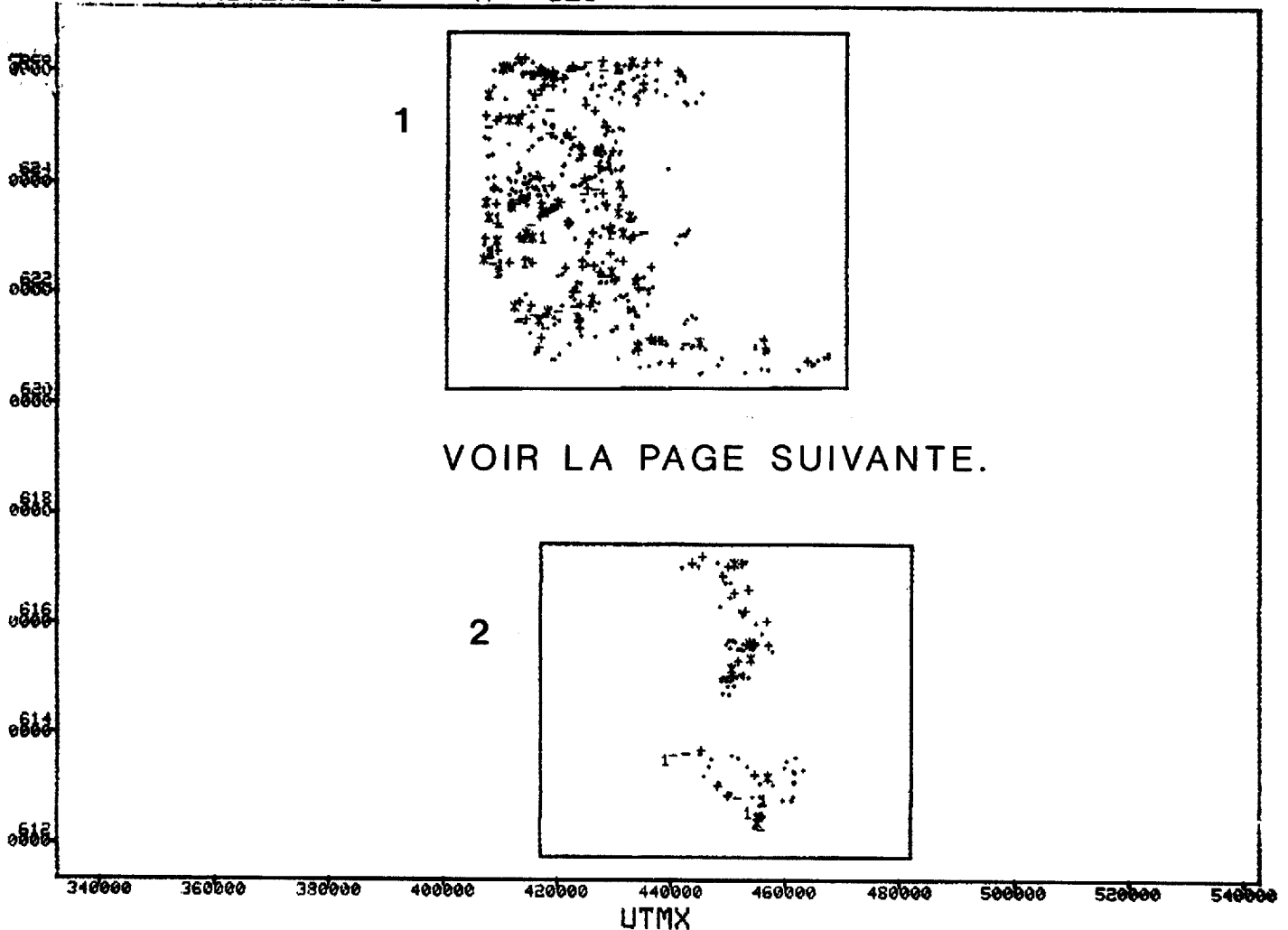


AI

TENEURS (cct)

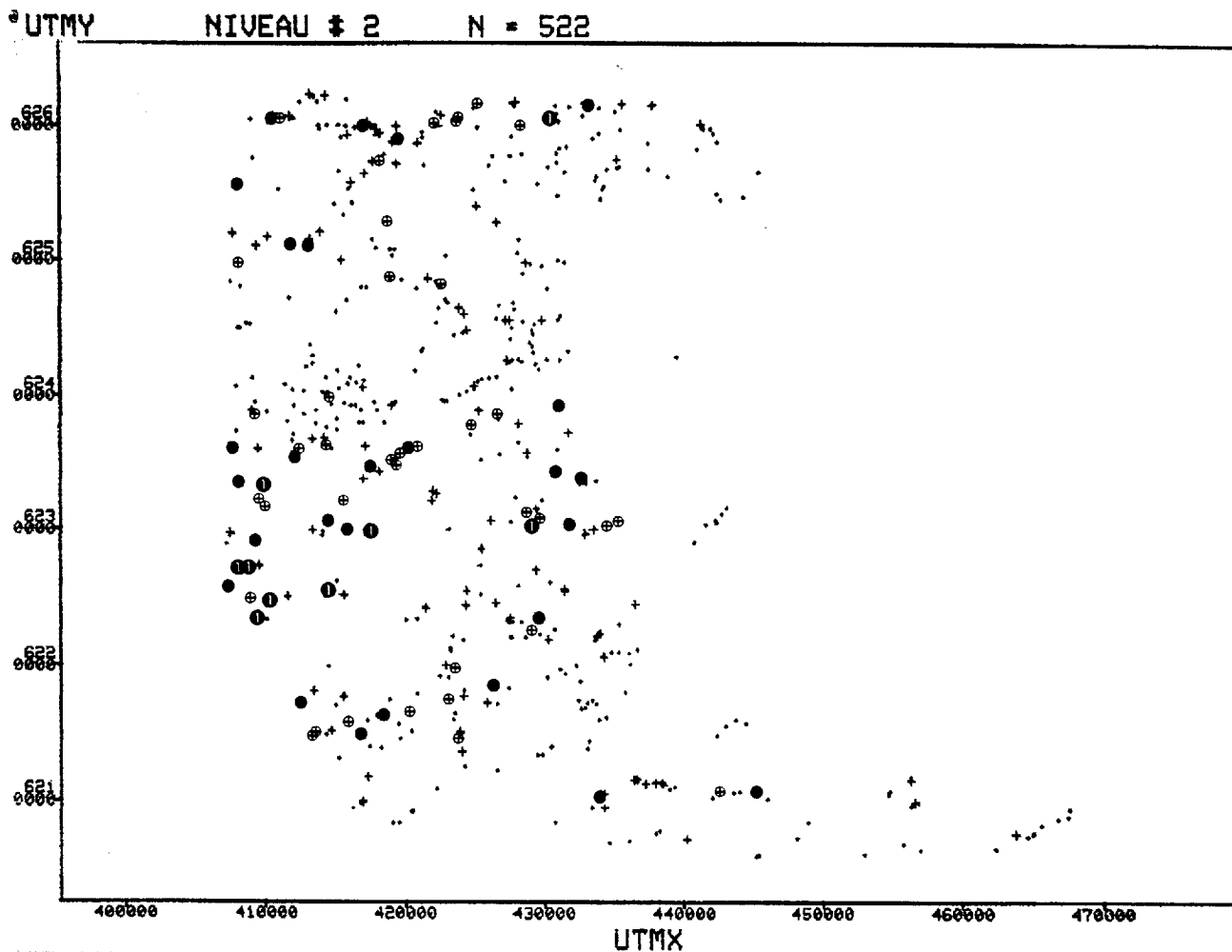
- 0 - 112 ·
- 113 - 155 +
- 156 - 188 ⊕
- 189 - 300 ●
- 301 - 600 ⊙

UTMY NIVEAU # 1 N = 629

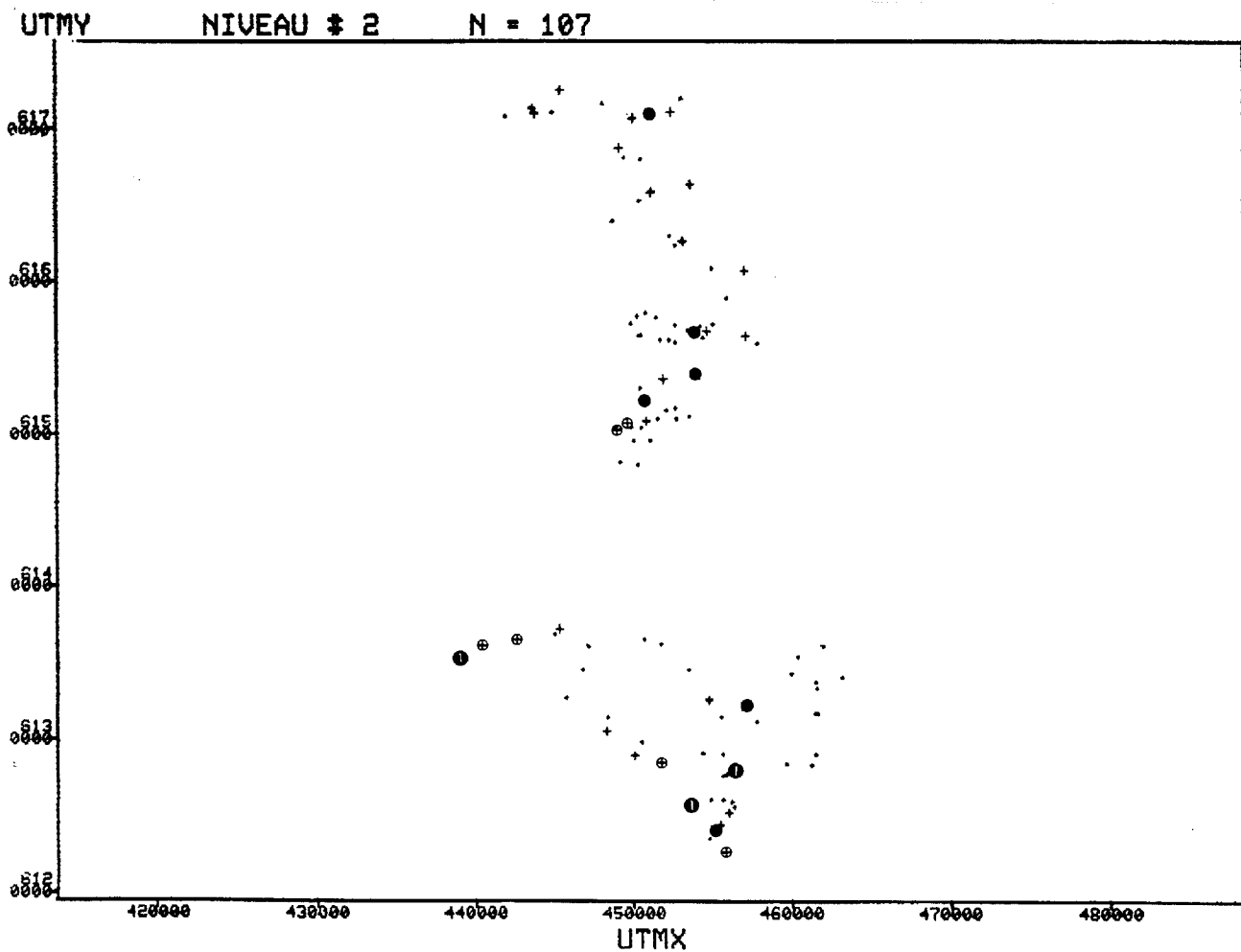


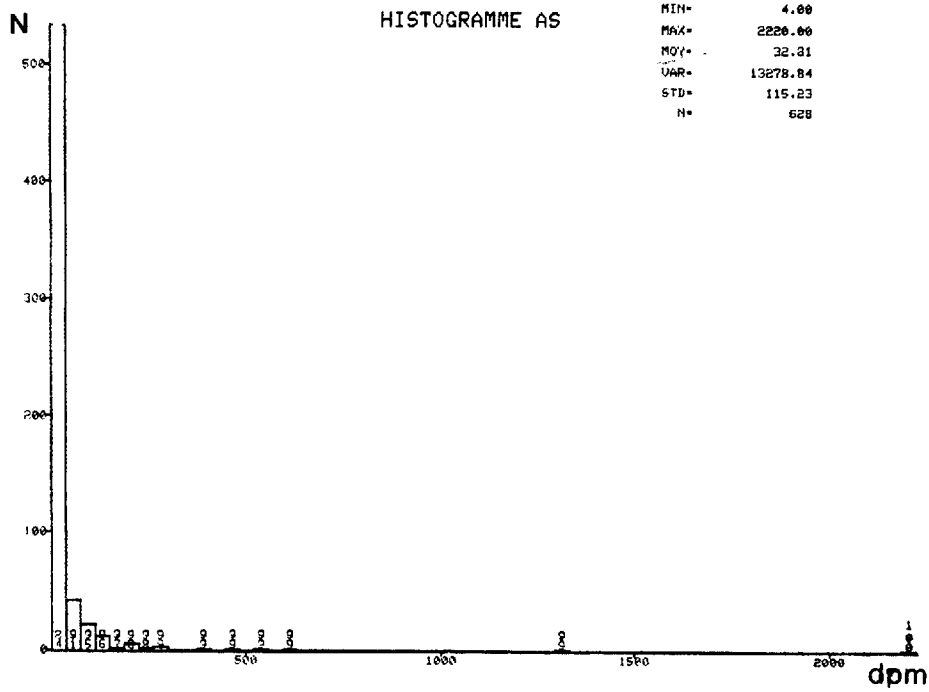
AI

1



2



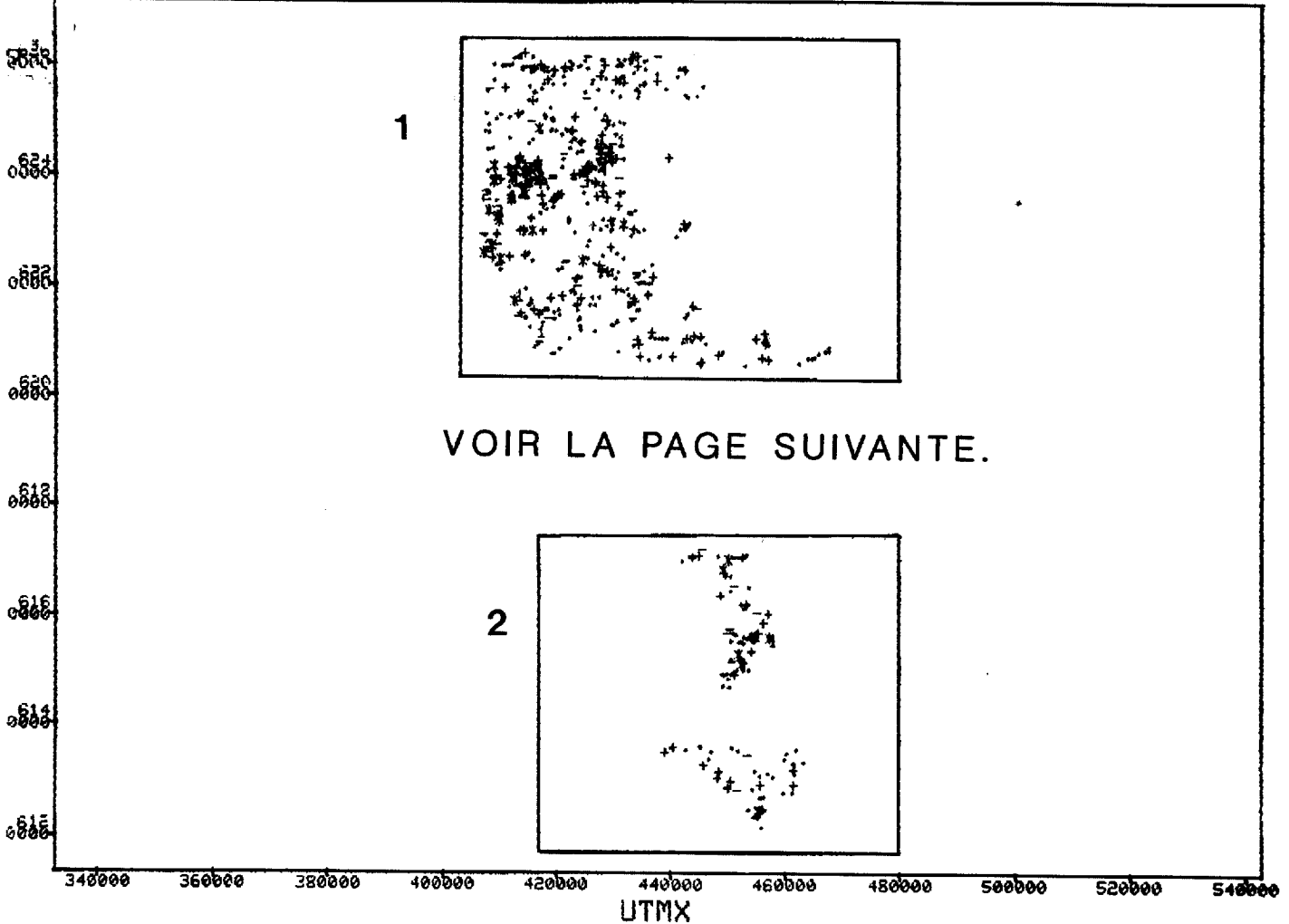


As

TENEURS (dpm)

0 - 14	.
15 - 36	+
37 - 80	⊕
81 - 190	●
191 - 380	⊙
381 - 760	⊗
761 - 1520	⊛
1521 - 3040	⊜

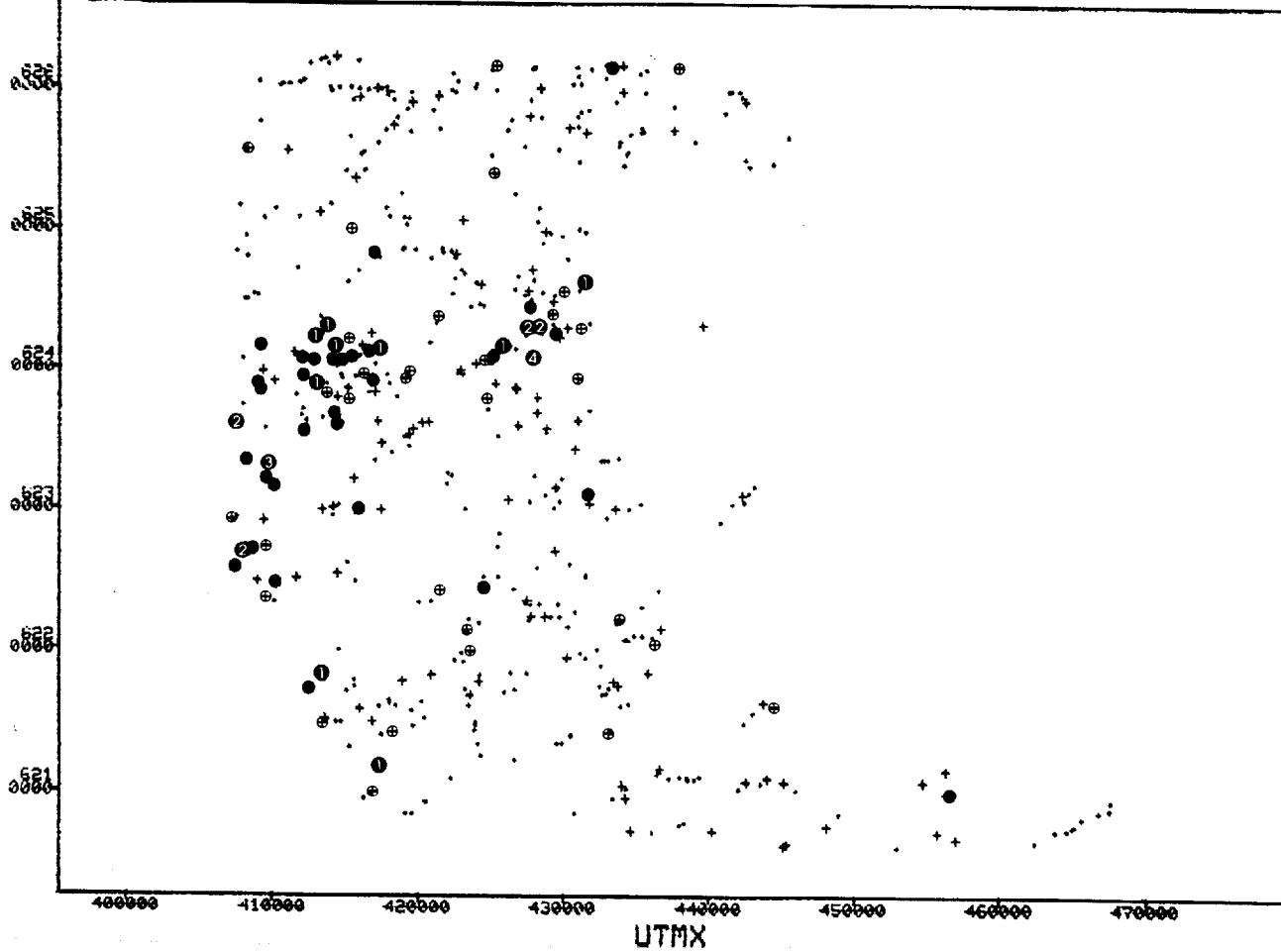
UTMY NIVEAU # 1 N = 629



As

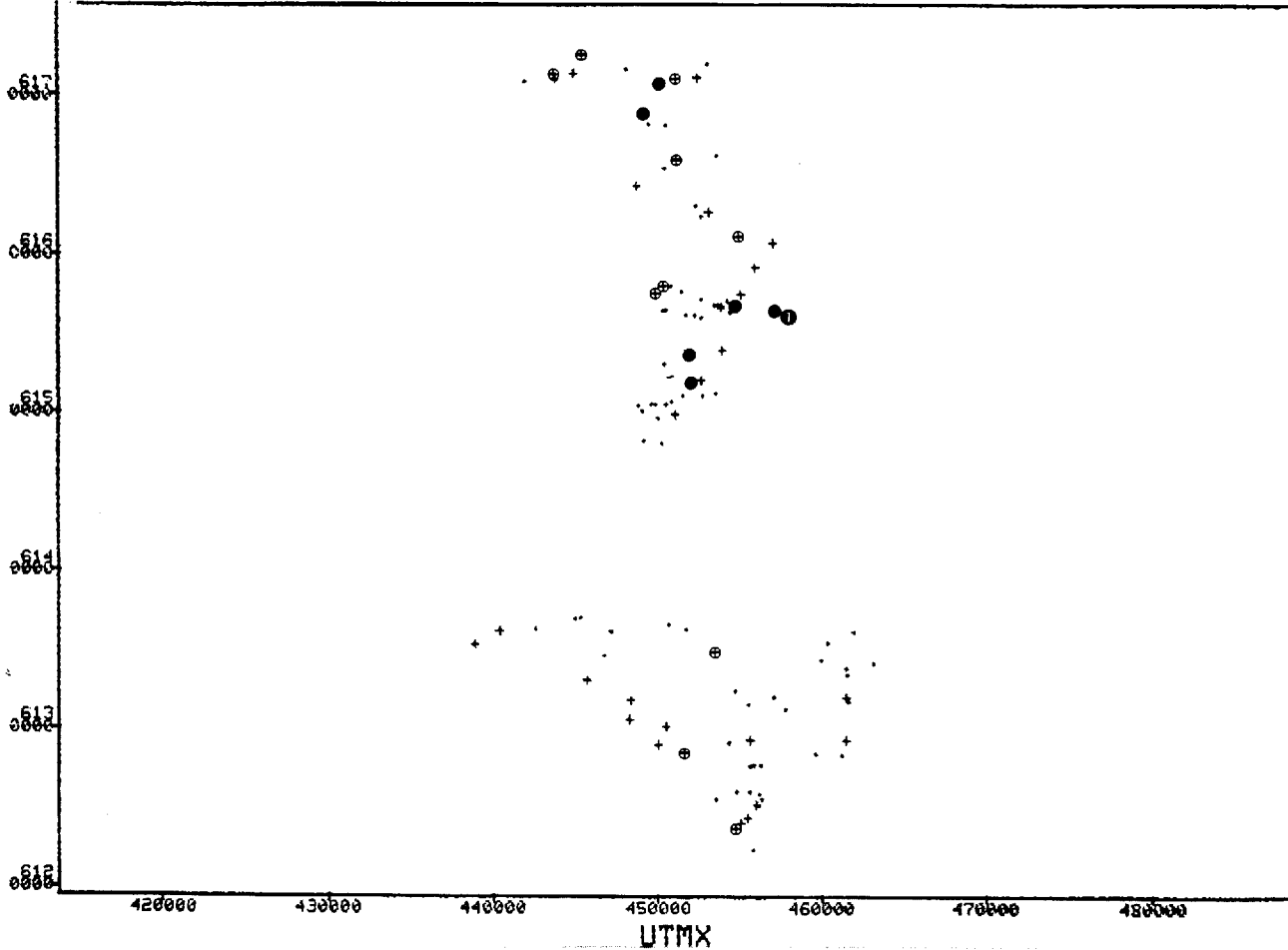
*UTMY NIVEAU # 2 N = 522

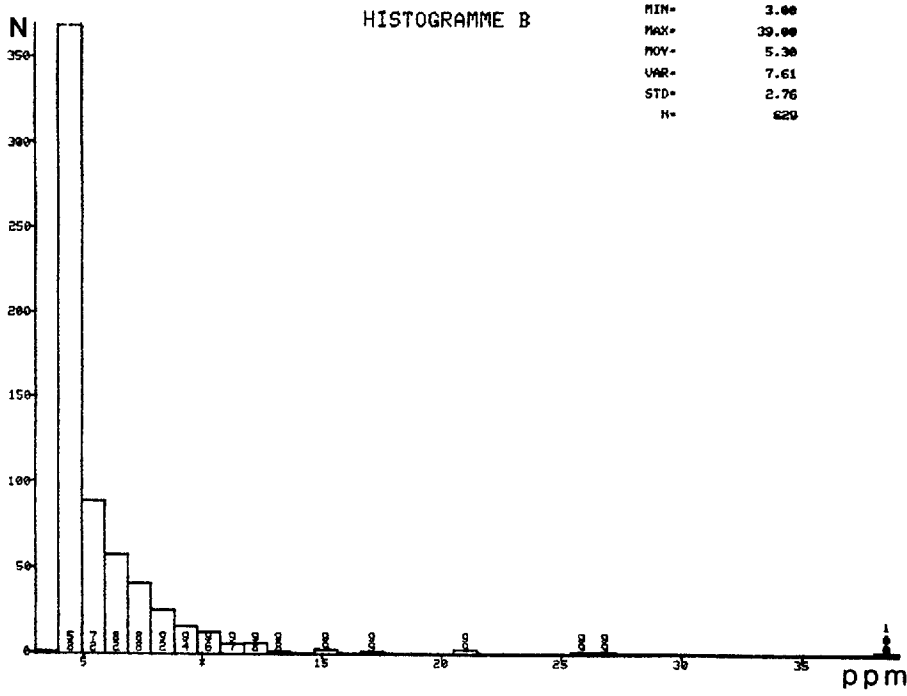
1



UTMY NIVEAU # 2 N = 107

2



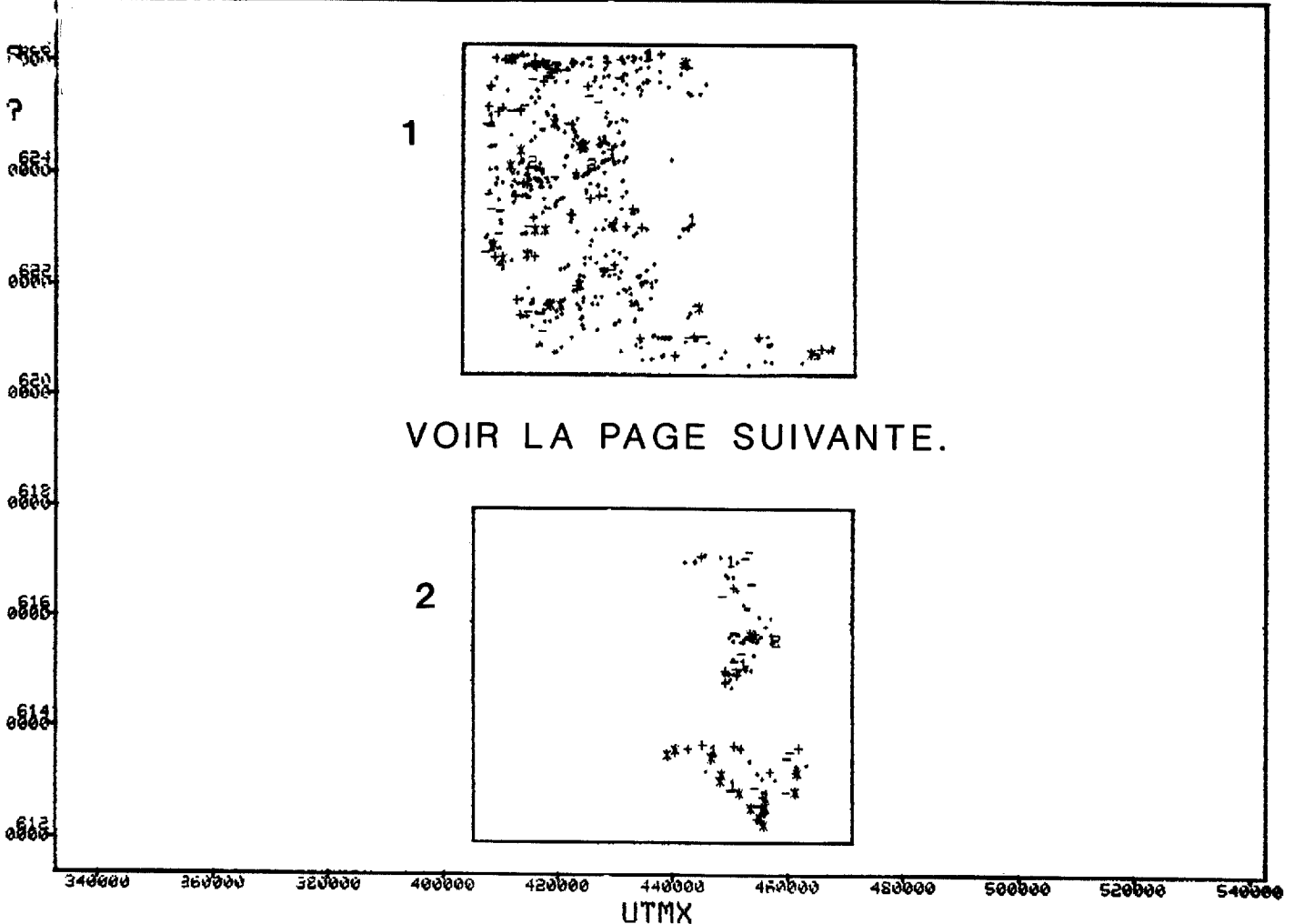


B

TENEURS (ppm)

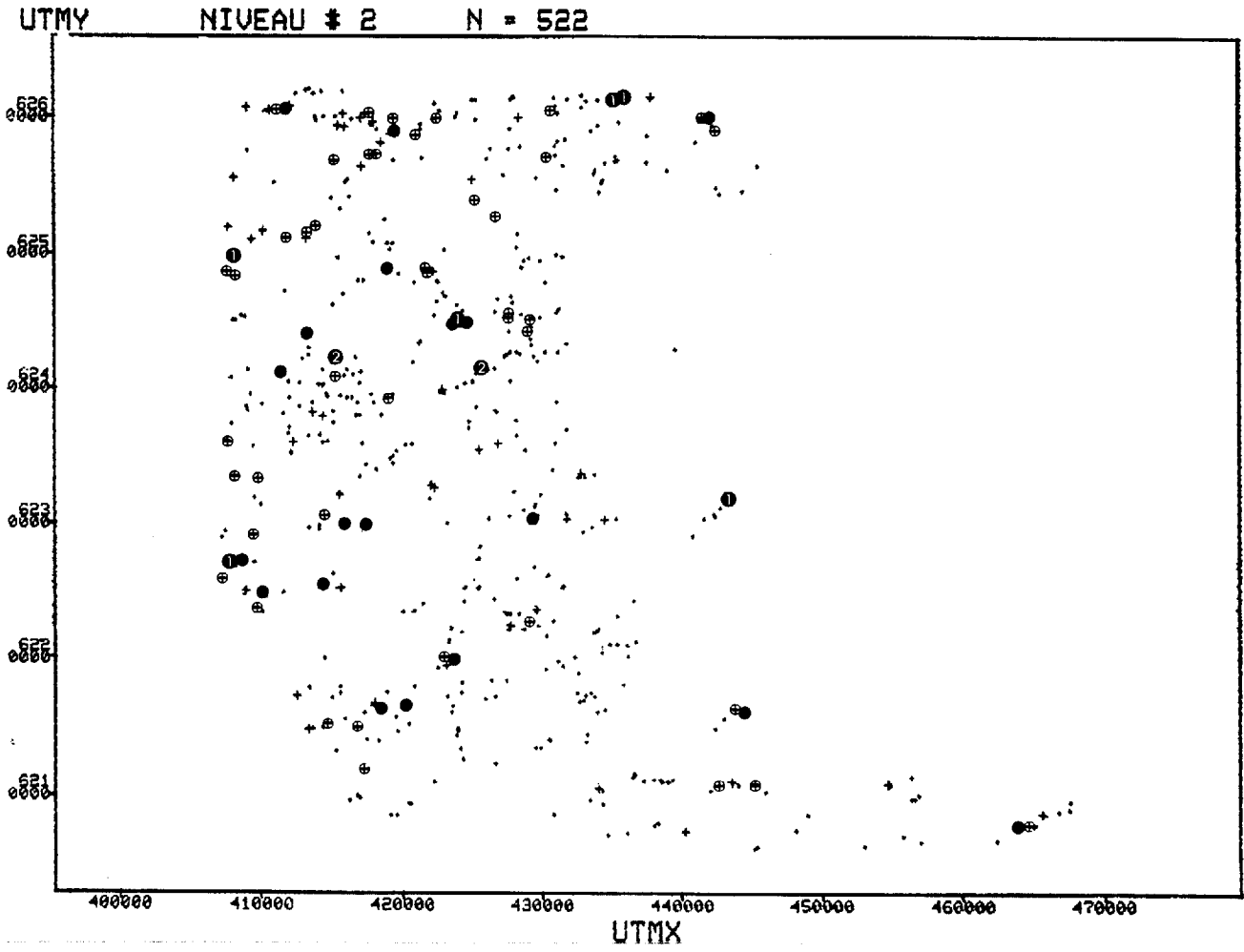
0 - 5	.
6 - 6	+
7 - 8	⊕
9 - 11	●
12 - 22	⊙
23 - 44	⊗

UTMY NIVEAU # 1 N = 629

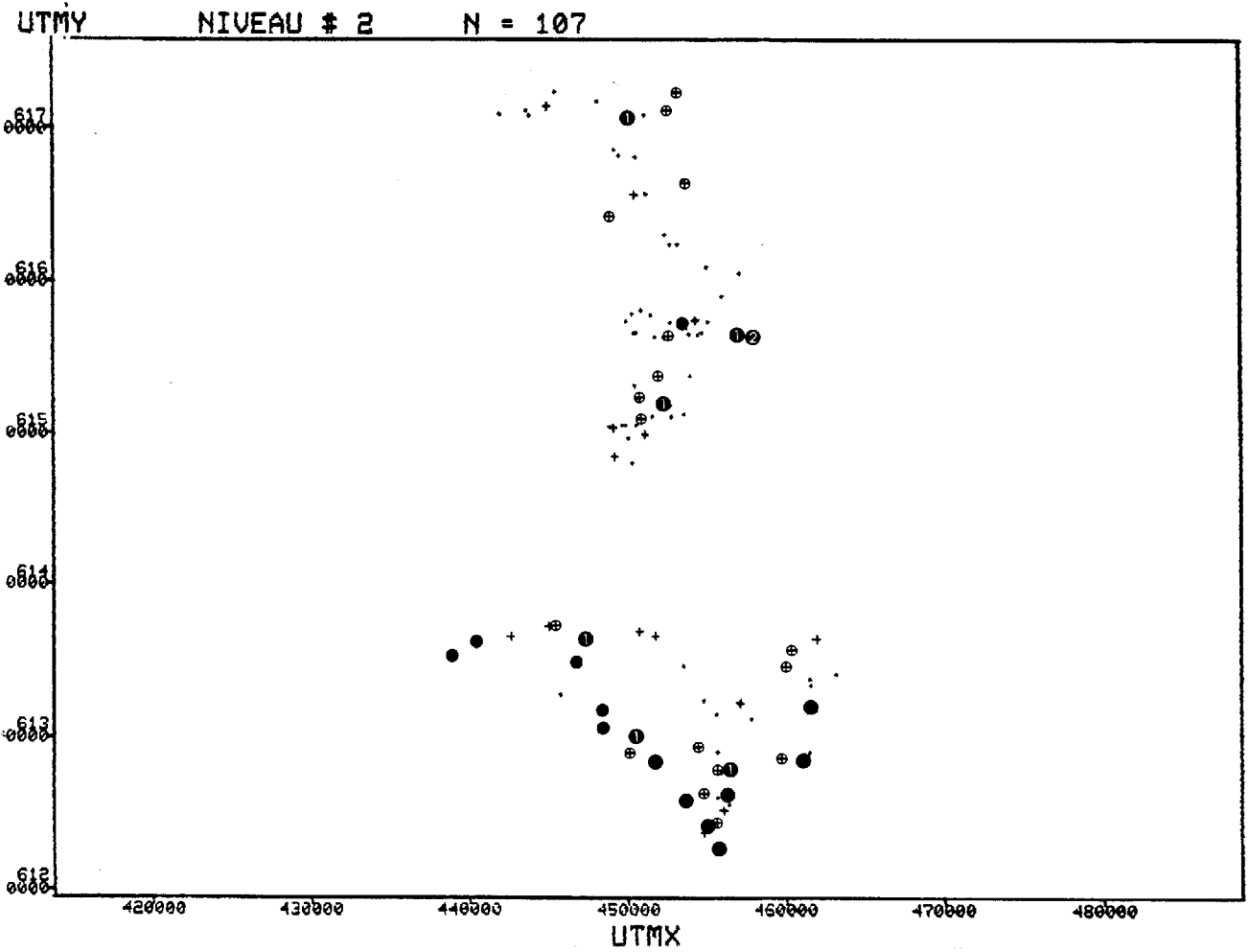


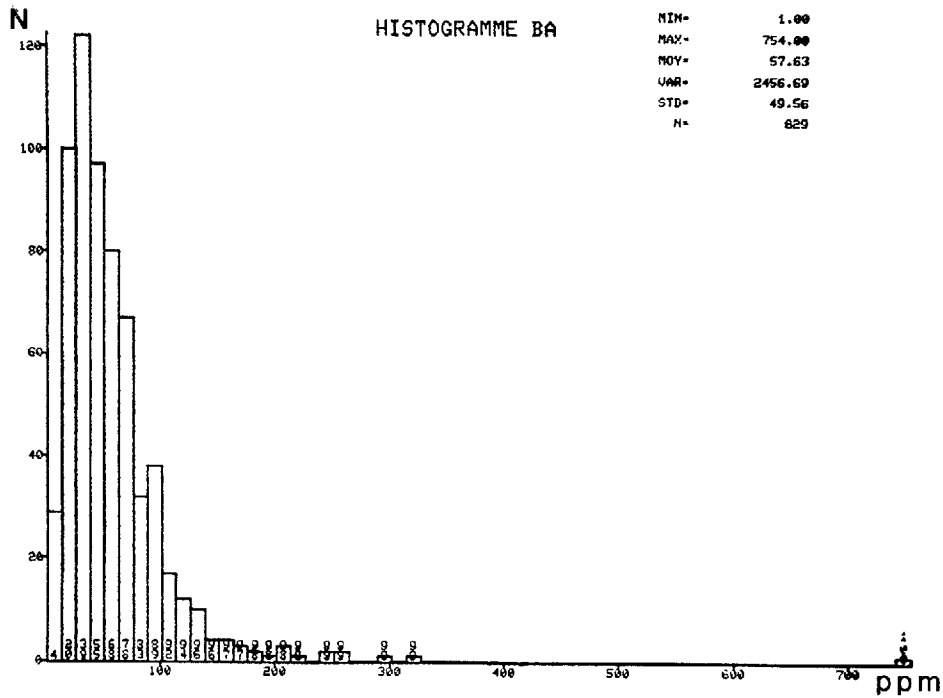
B

1



2



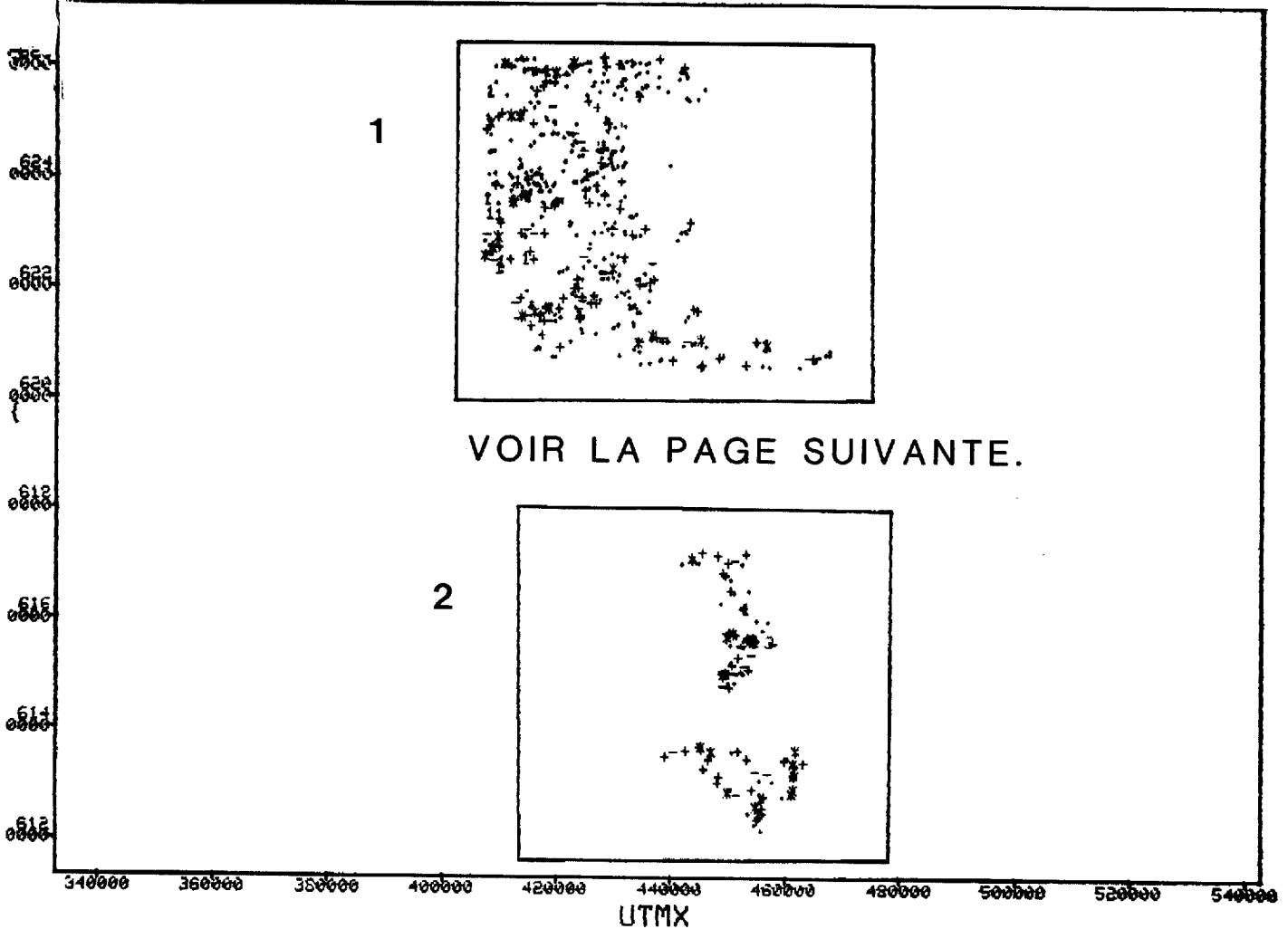


Ba

TENEURS (ppm)

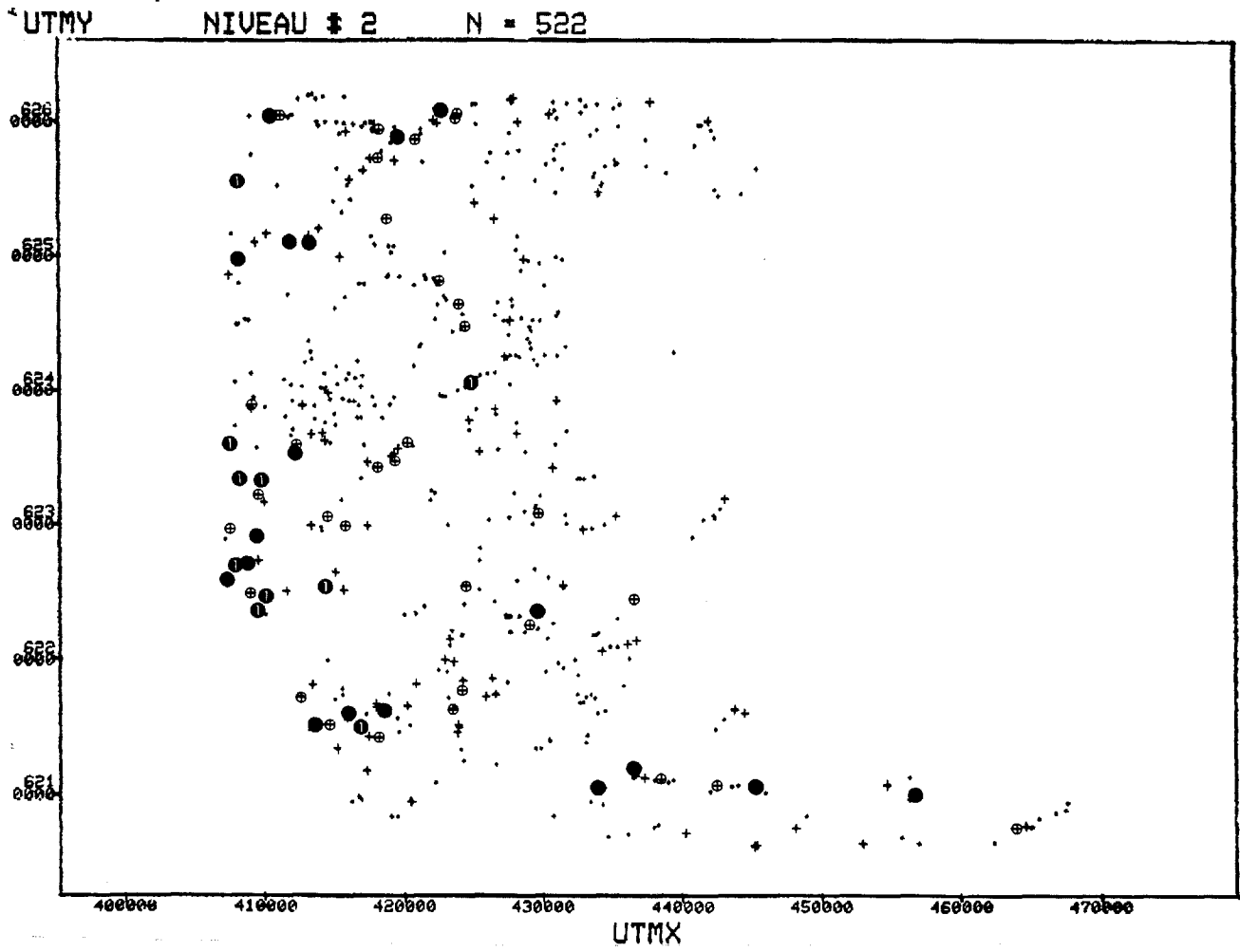
0 - 60	.
61 - 90	+
91 - 111	⊕
114 - 175	●
176 - 350	⦿
351 - 700	⊗
701 - 1400	⊙

* UTMX NIVEAU # 1 N = 629

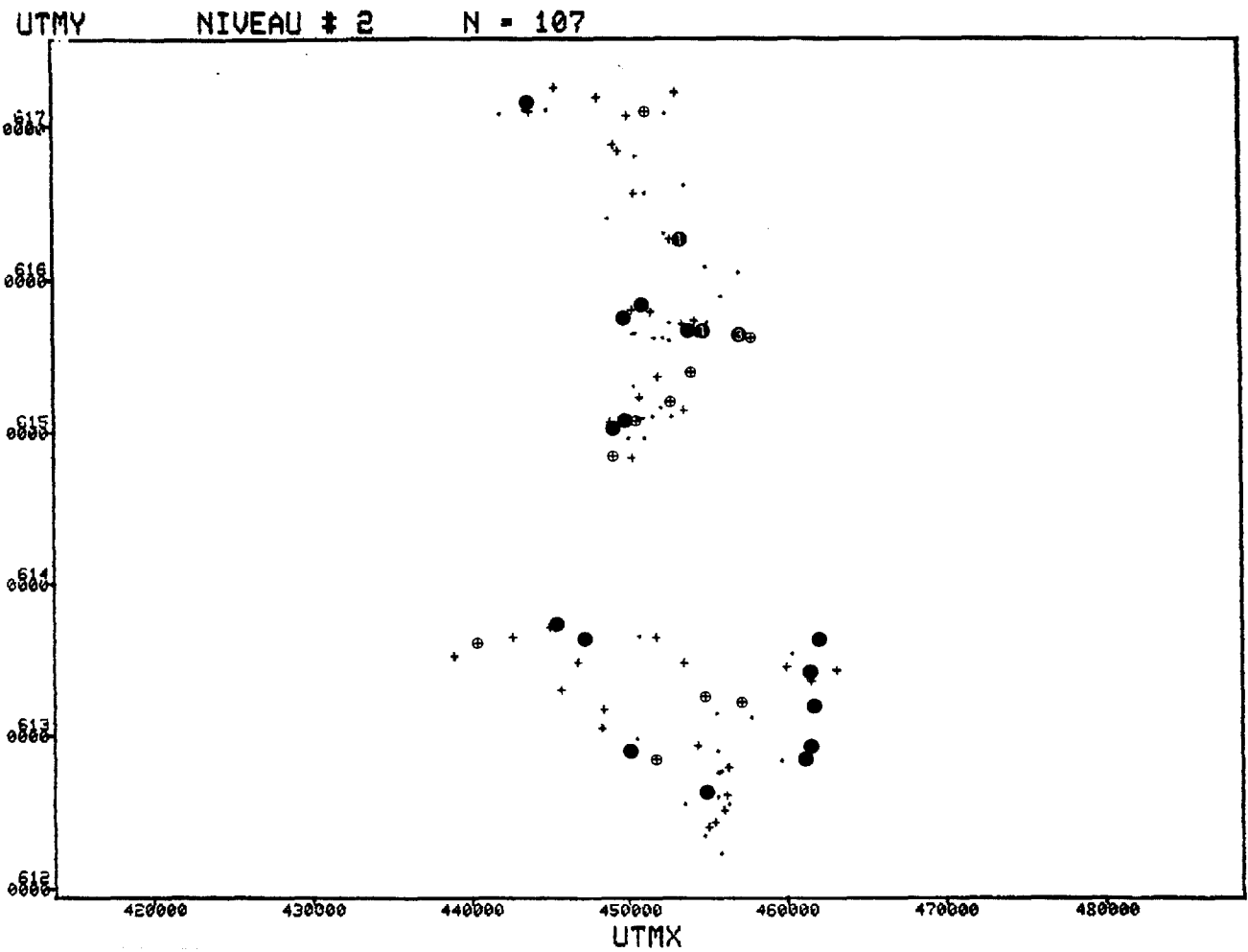


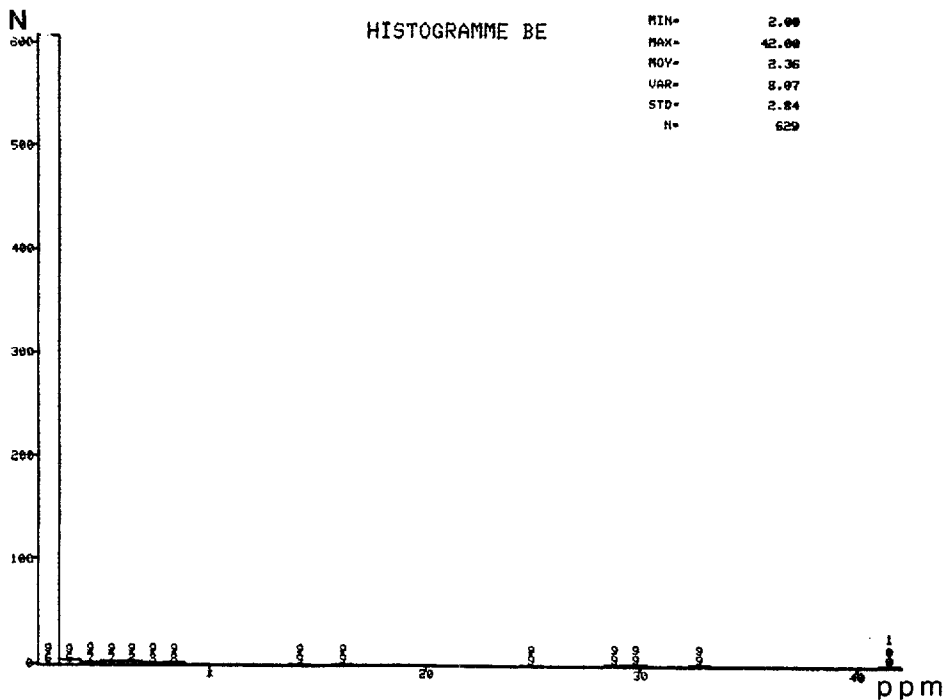
Ba

1



2



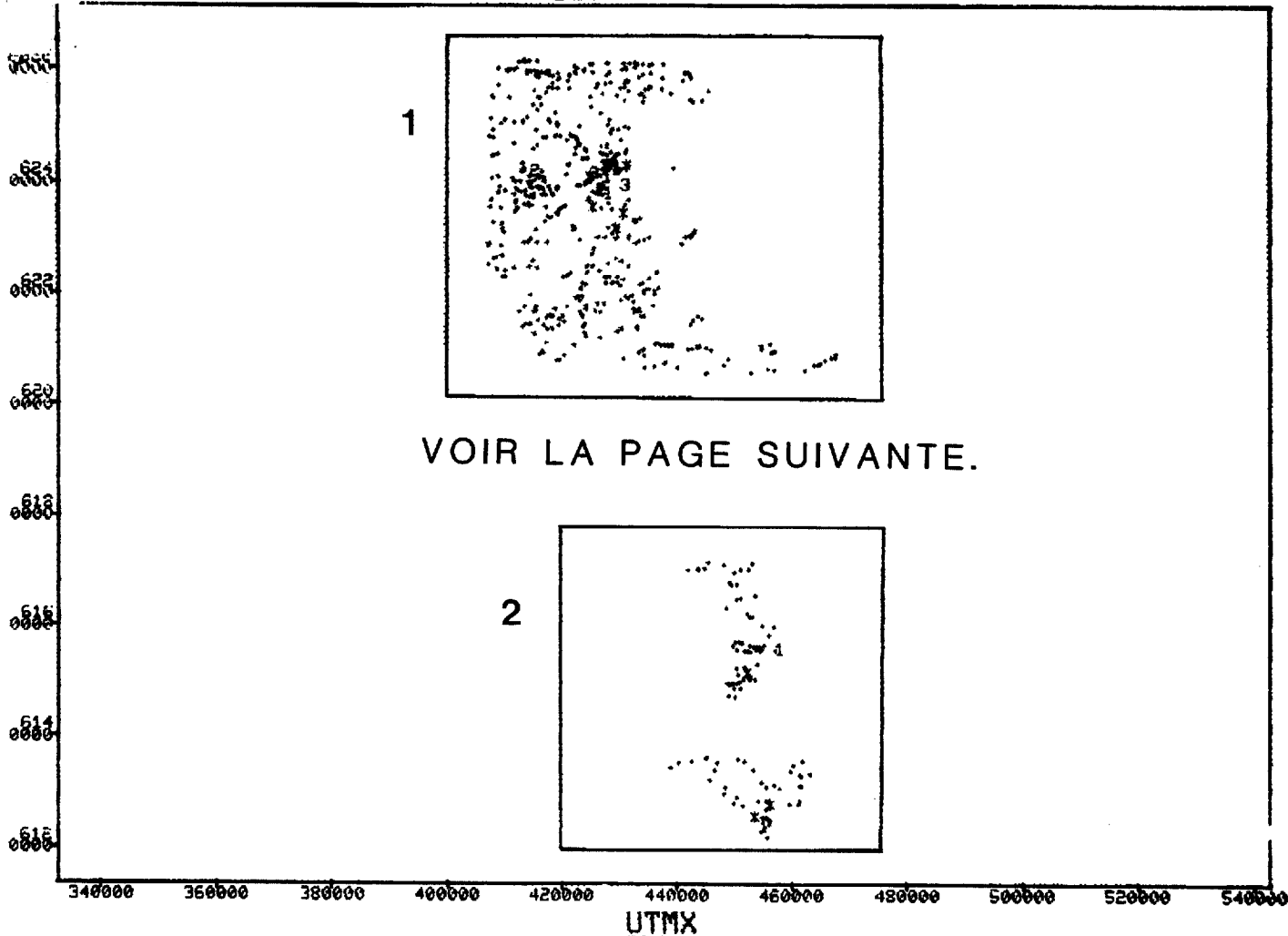


Be

TENEURS (ppm)

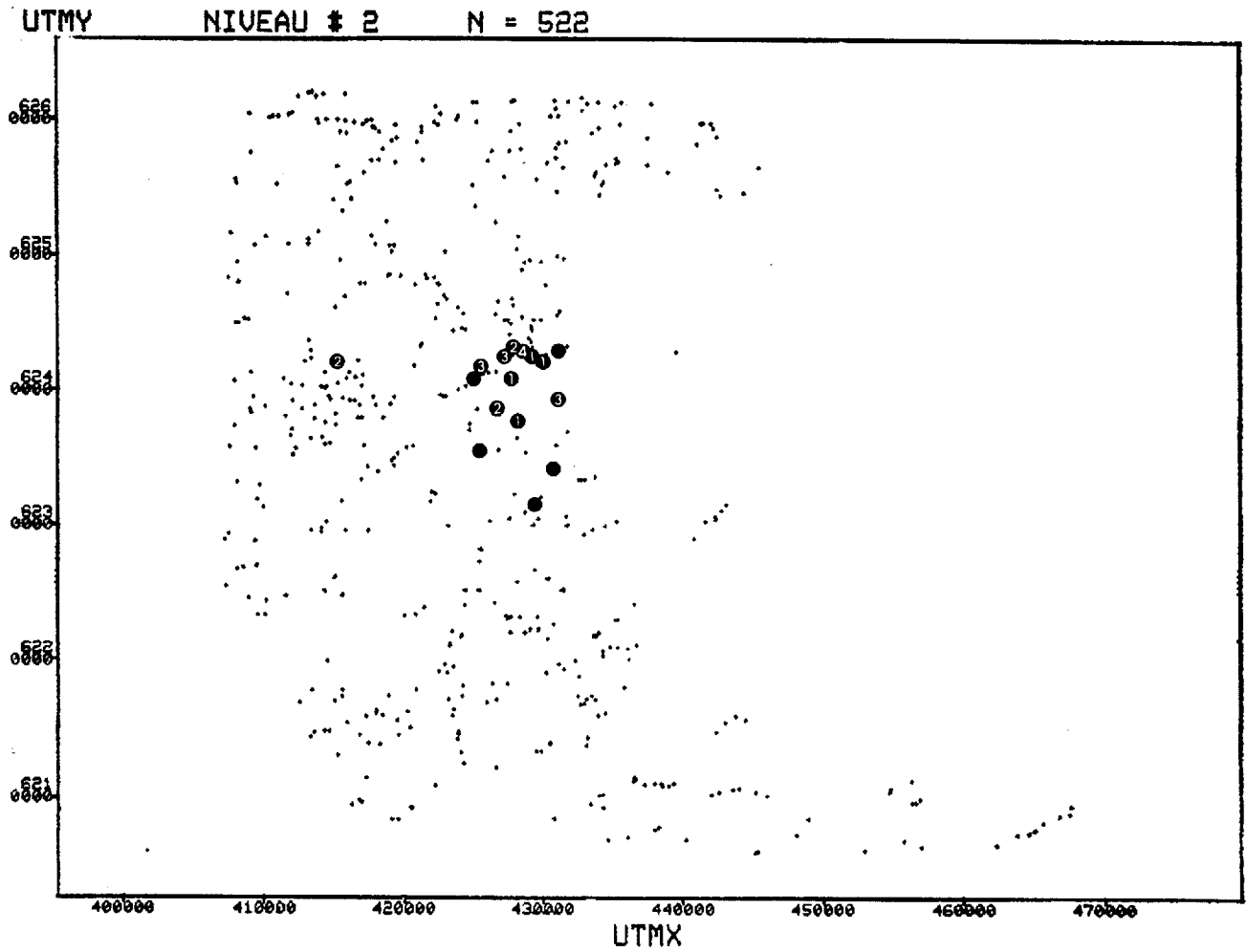
0 - 2	.
3 - 5	+
6 - 10	⊕
11 - 20	●
21 - 40	⊙
41 - 80	⊗

UTMY NIVEAU # 1 N = 629

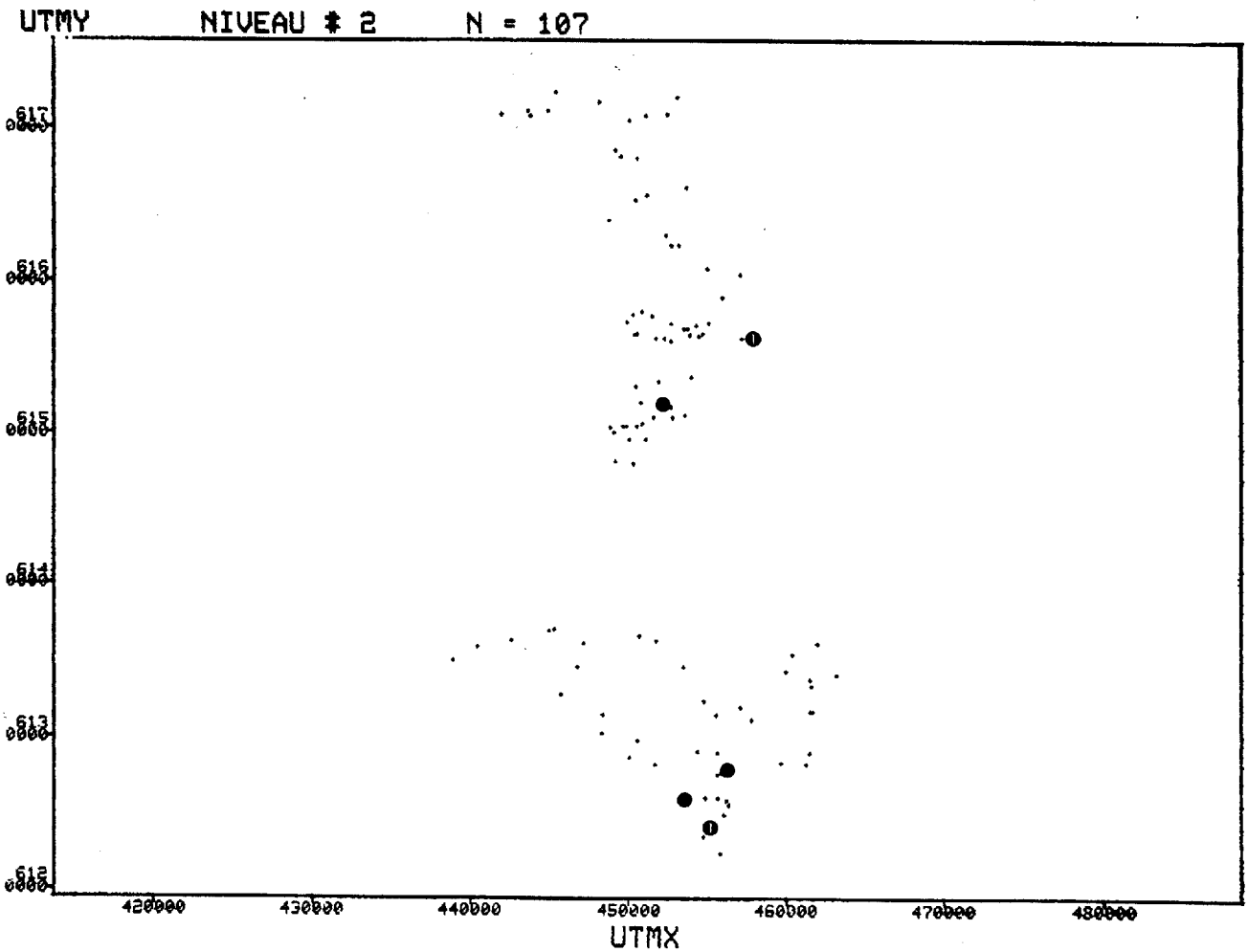


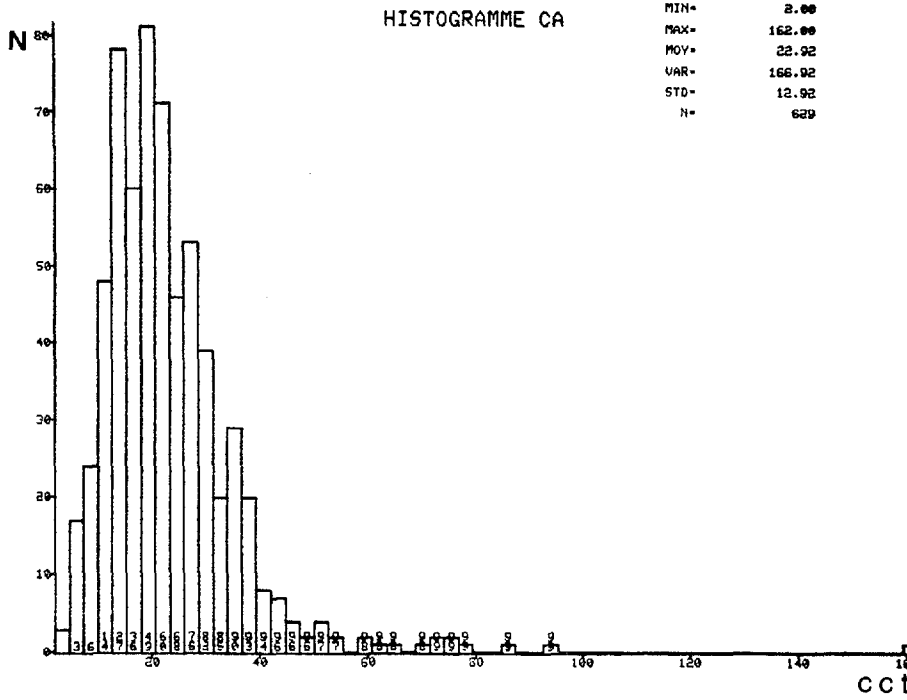
Be

1



2



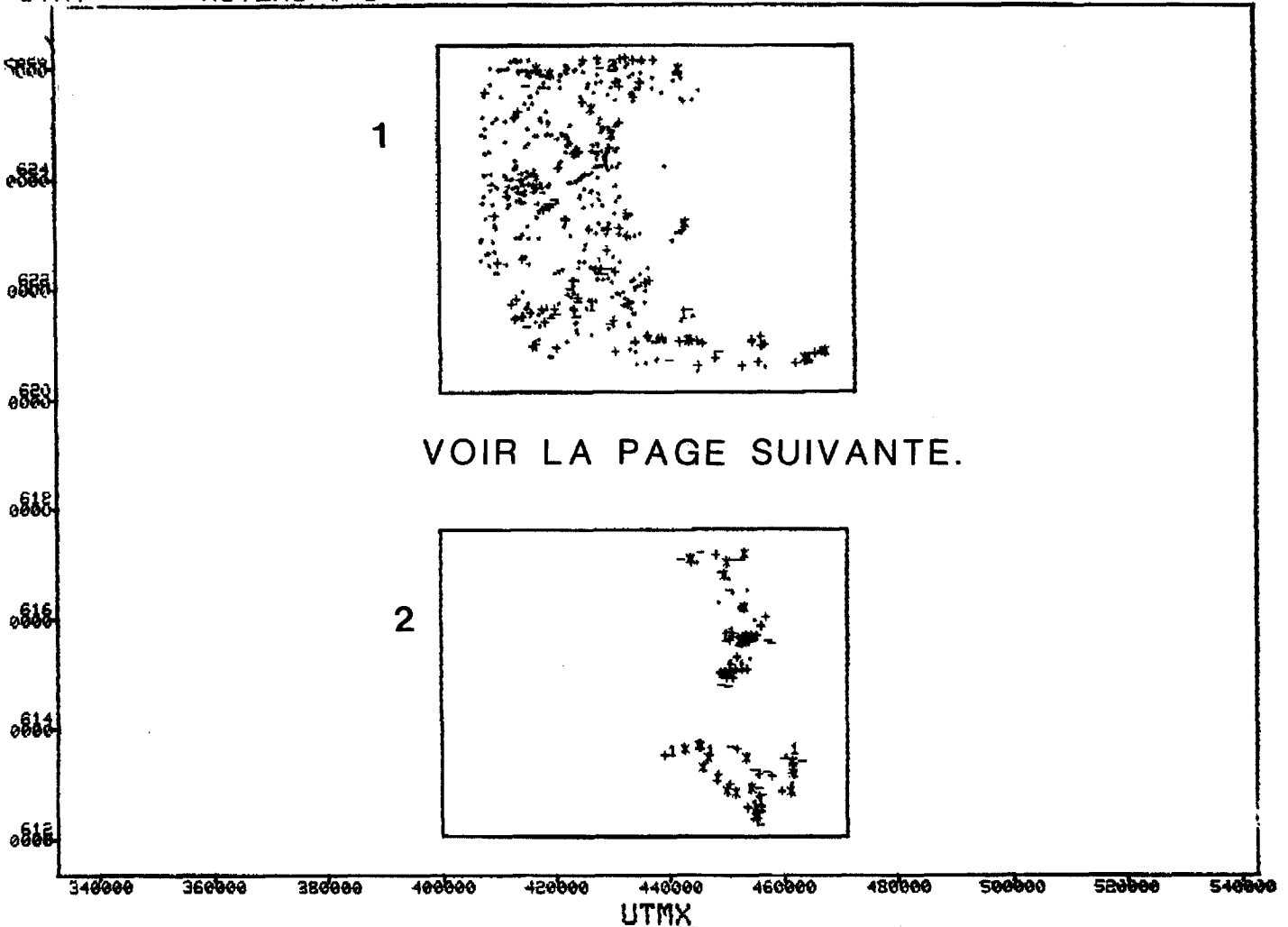


Ca

TENEURS (cct)

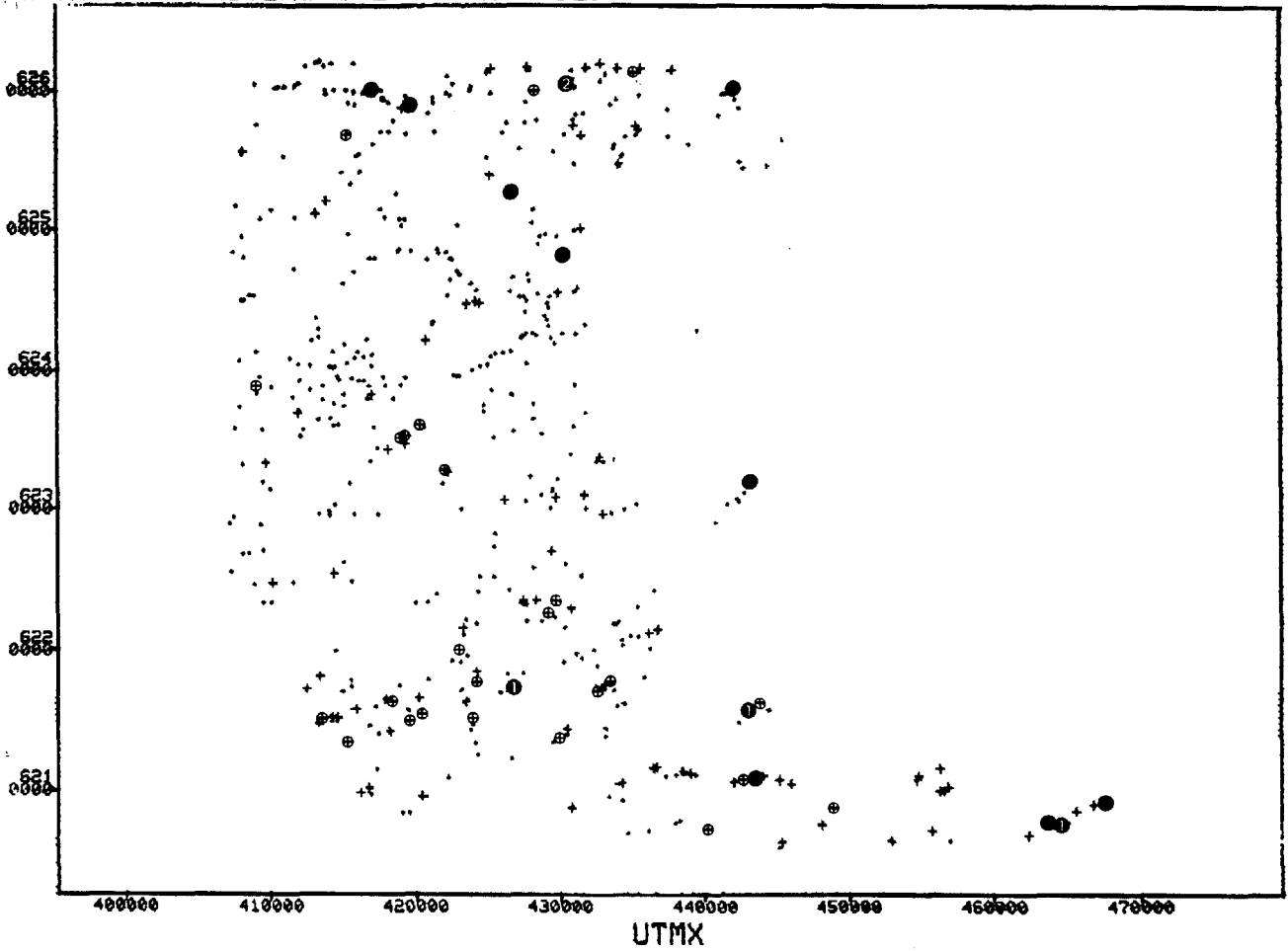
0 - 24	.
25 - 32	+
33 - 38	⊕
39 - 55	●
56 - 110	⊙
111 - 220	⊗

UTMY NIVEAU # 1 N = 629



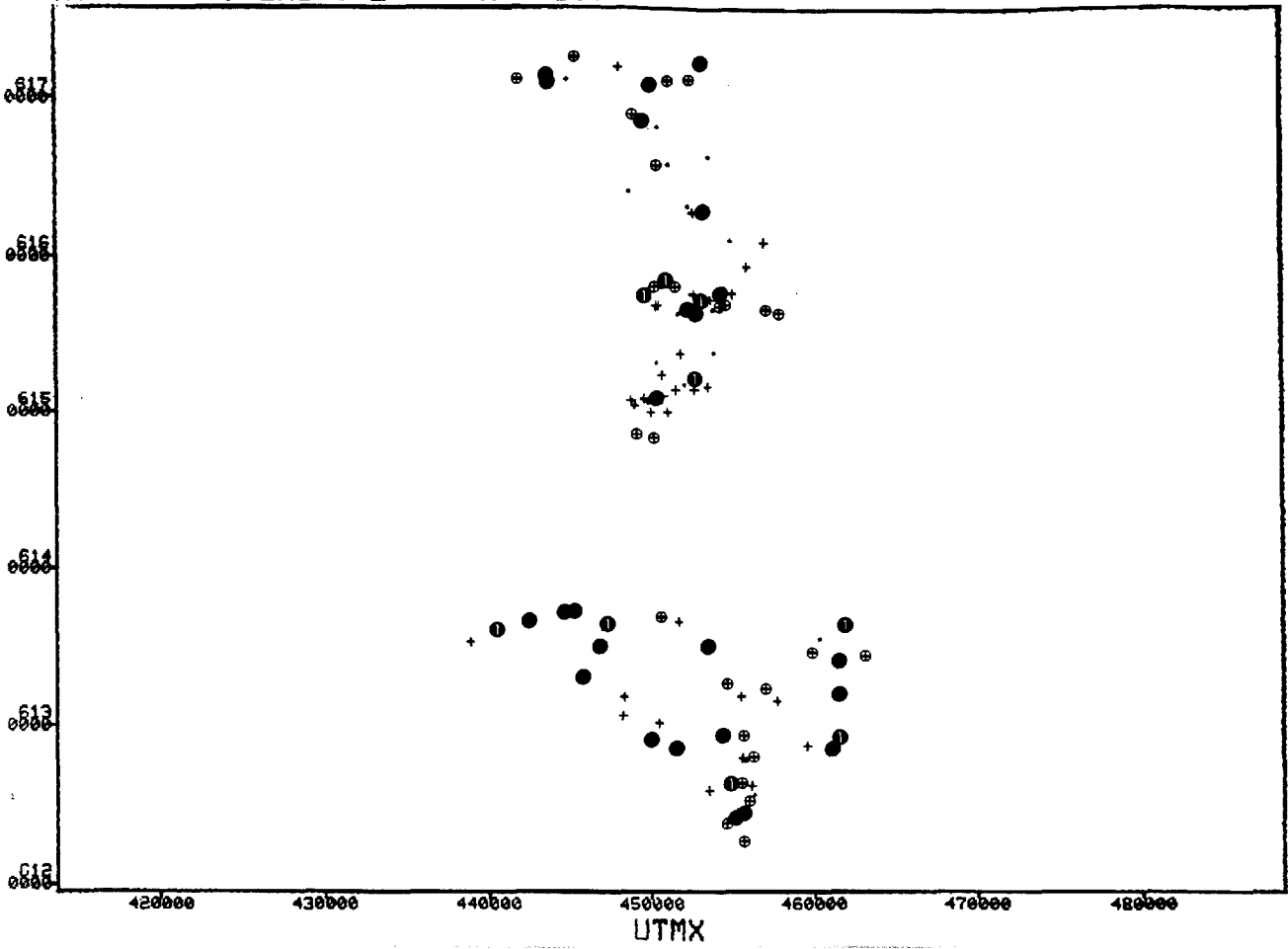
UTMY NIVEAU # 2 N = 522

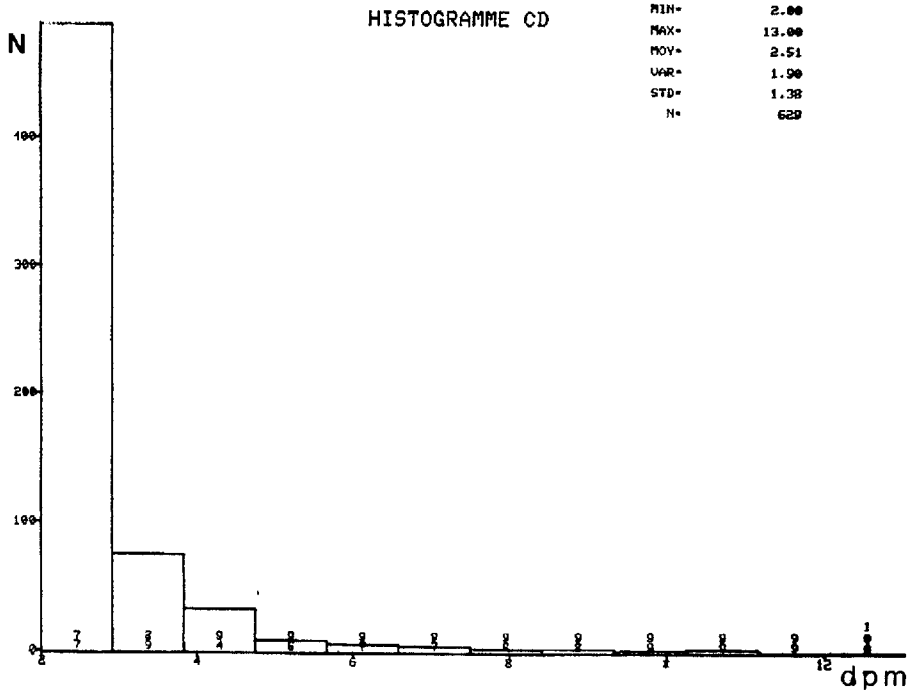
1



UTMY NIVEAU # 2 N = 107

2



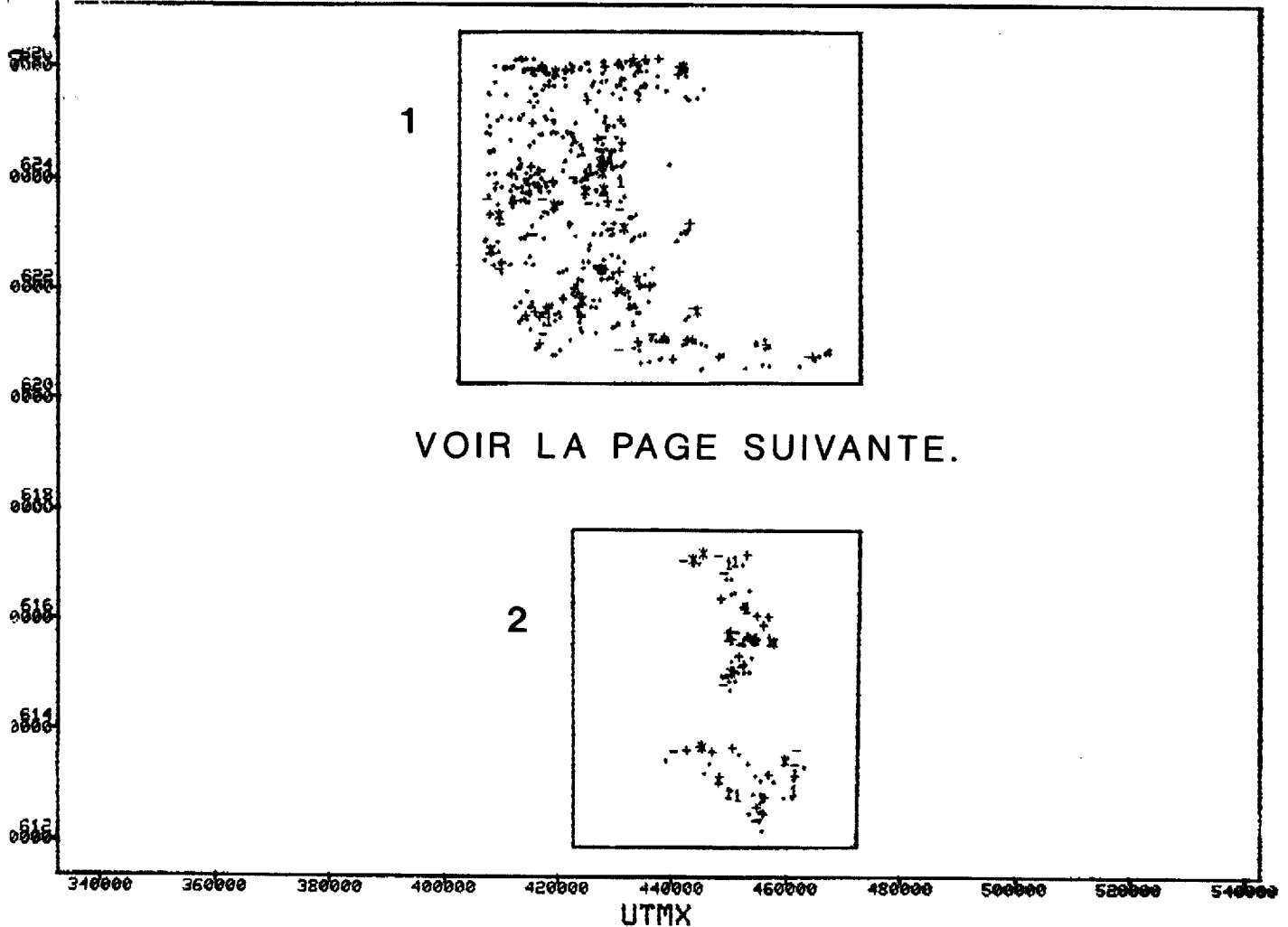


Cd

TENEURS (dpm)

- 0 - 2 ·
- 3 - 3 +
- 4 - 4 ⊕
- 5 - 7 ●
- 8 - 14 ⊙

*UTMY NIVEAU # 1 N = 629



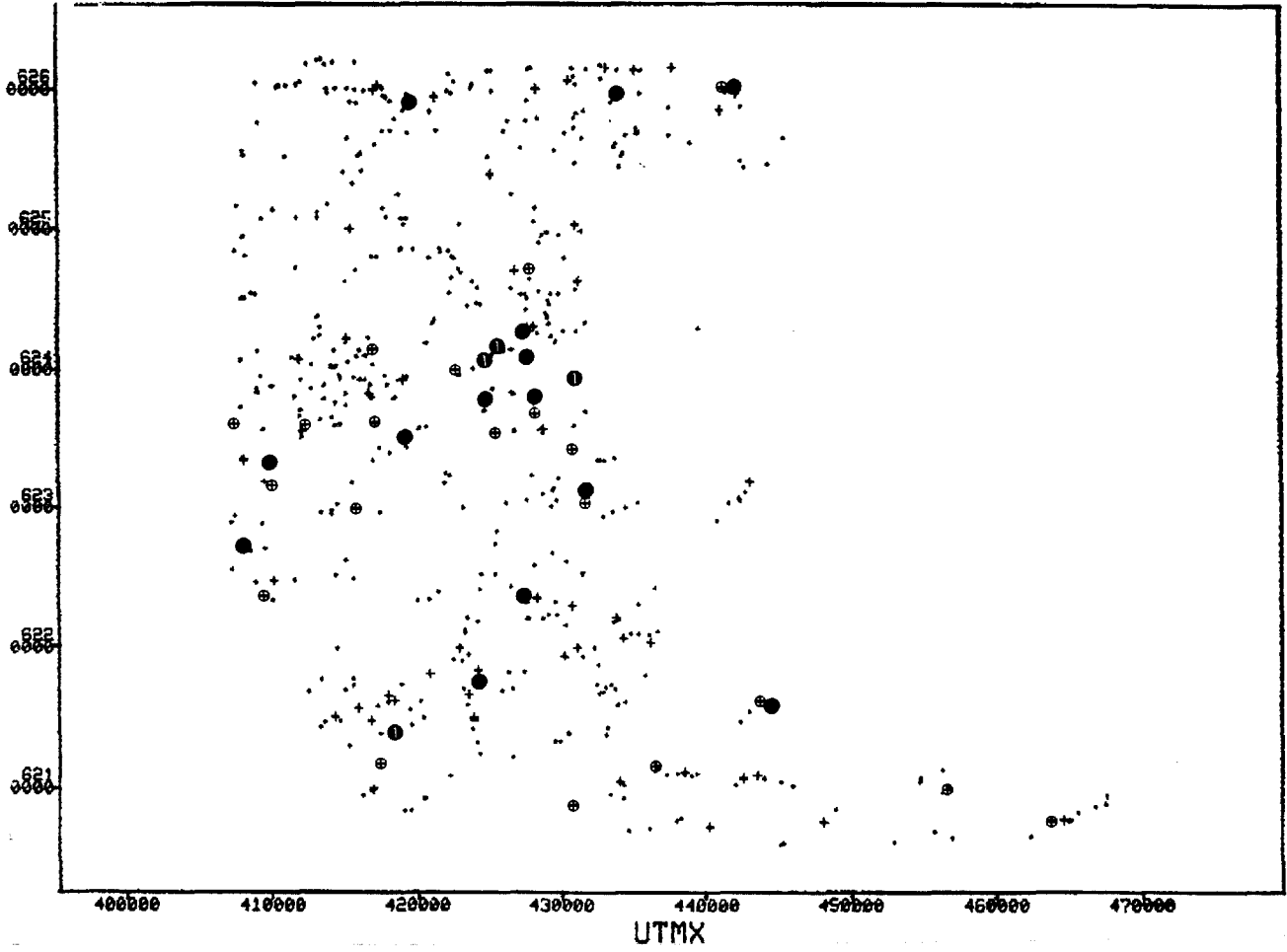
Cd

UTMY

NIVEAU # 2

N = 522

1

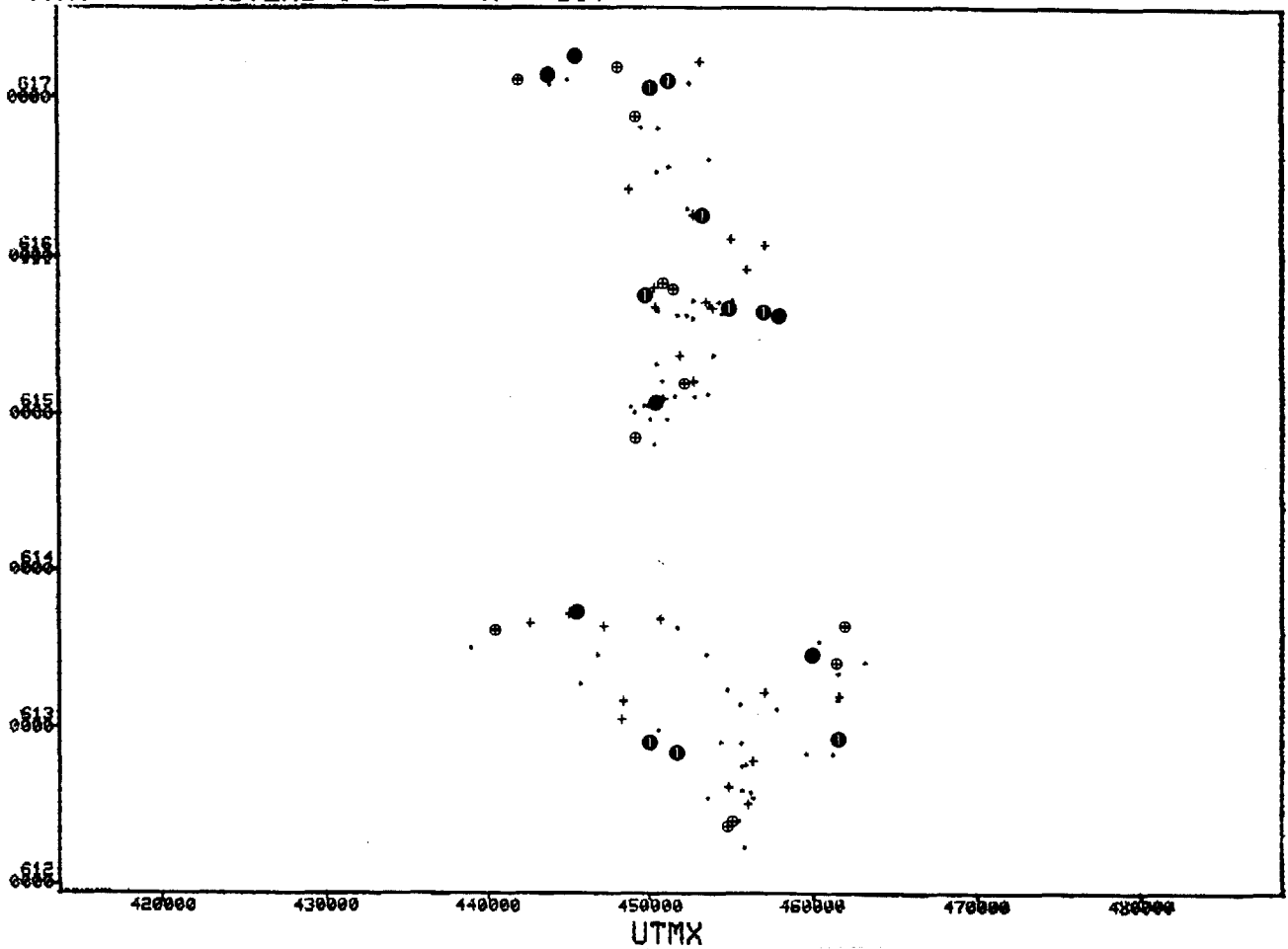


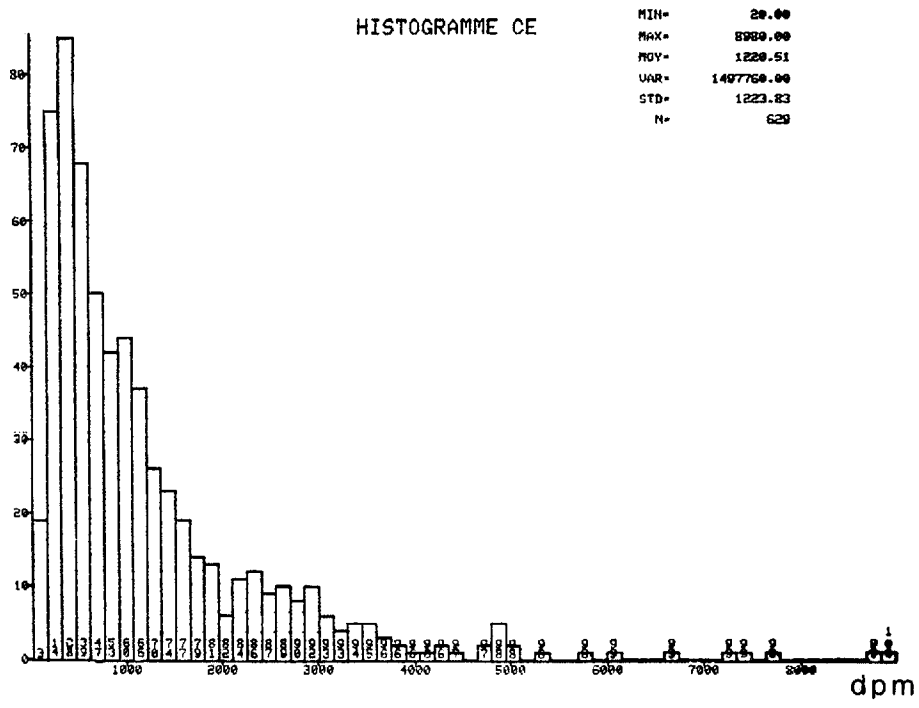
UTMY

NIVEAU # 2

N = 107

2



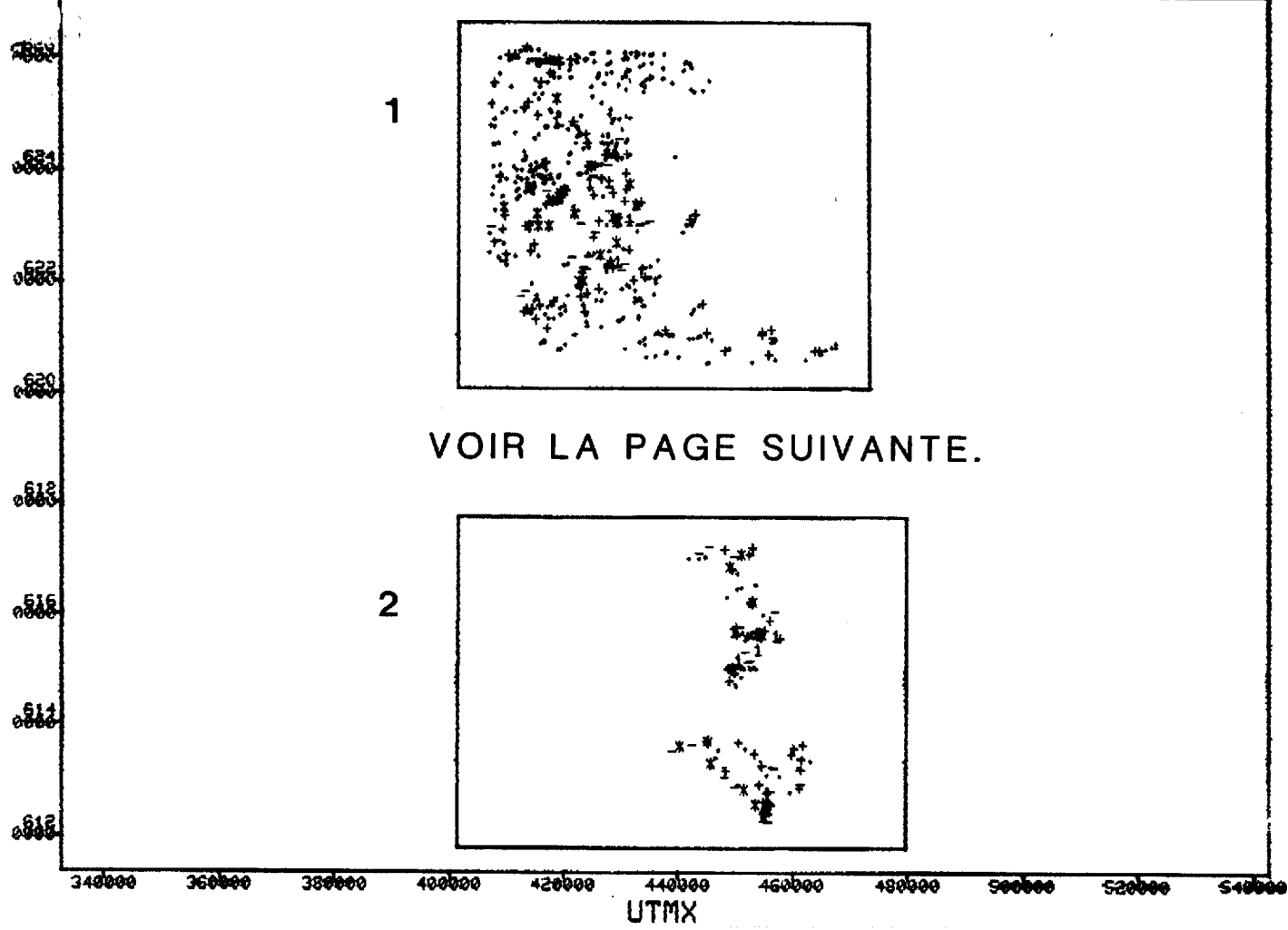


Ce

TENEURS (dpm)

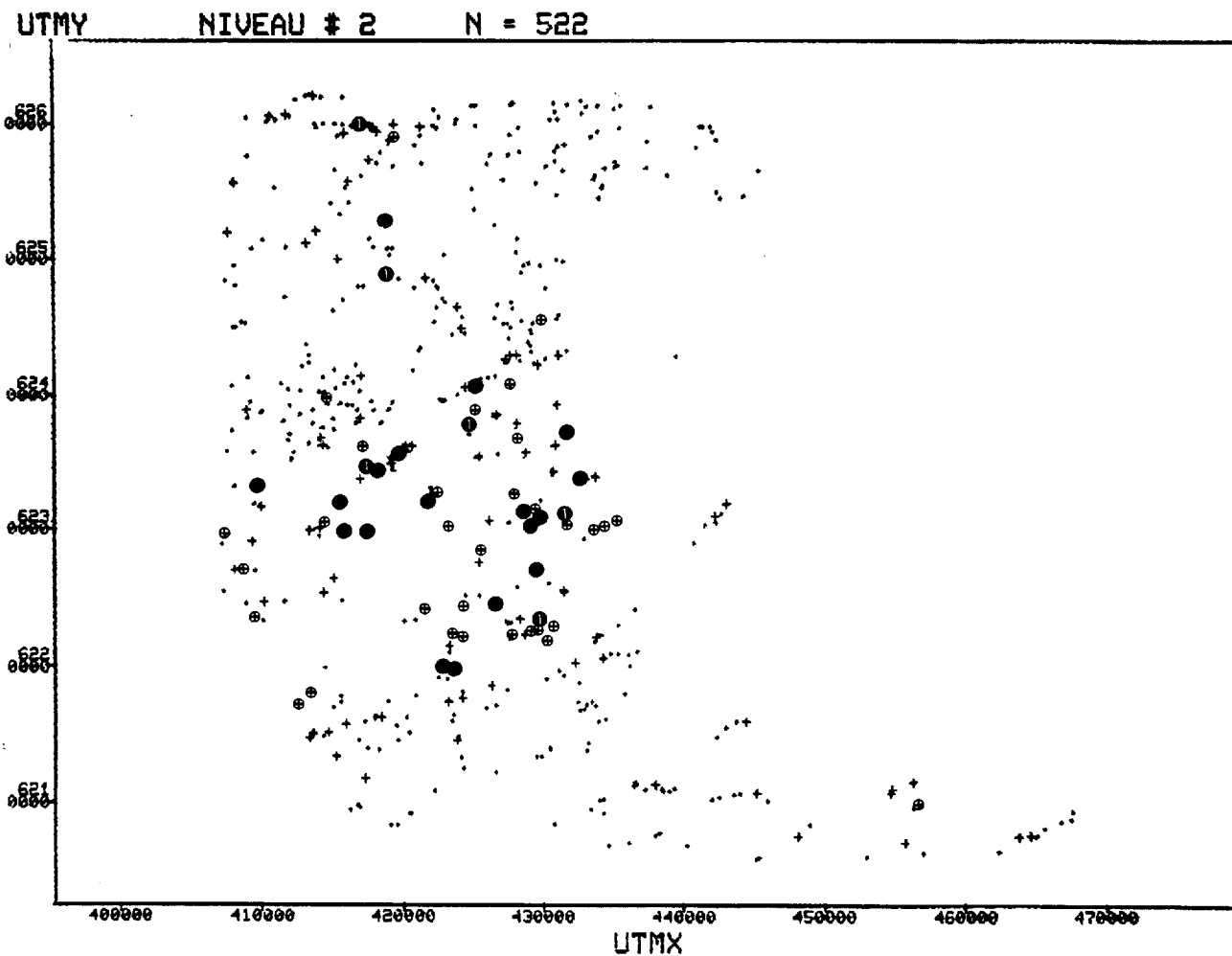
- 0 - 1140 ·
- 1141 - 2150 +
- 2151 - 3000 ⊕
- 3001 - 4750 ●
- 4751 - 9500 ⊙

*UTMY NIVEAU # 1 N = 629

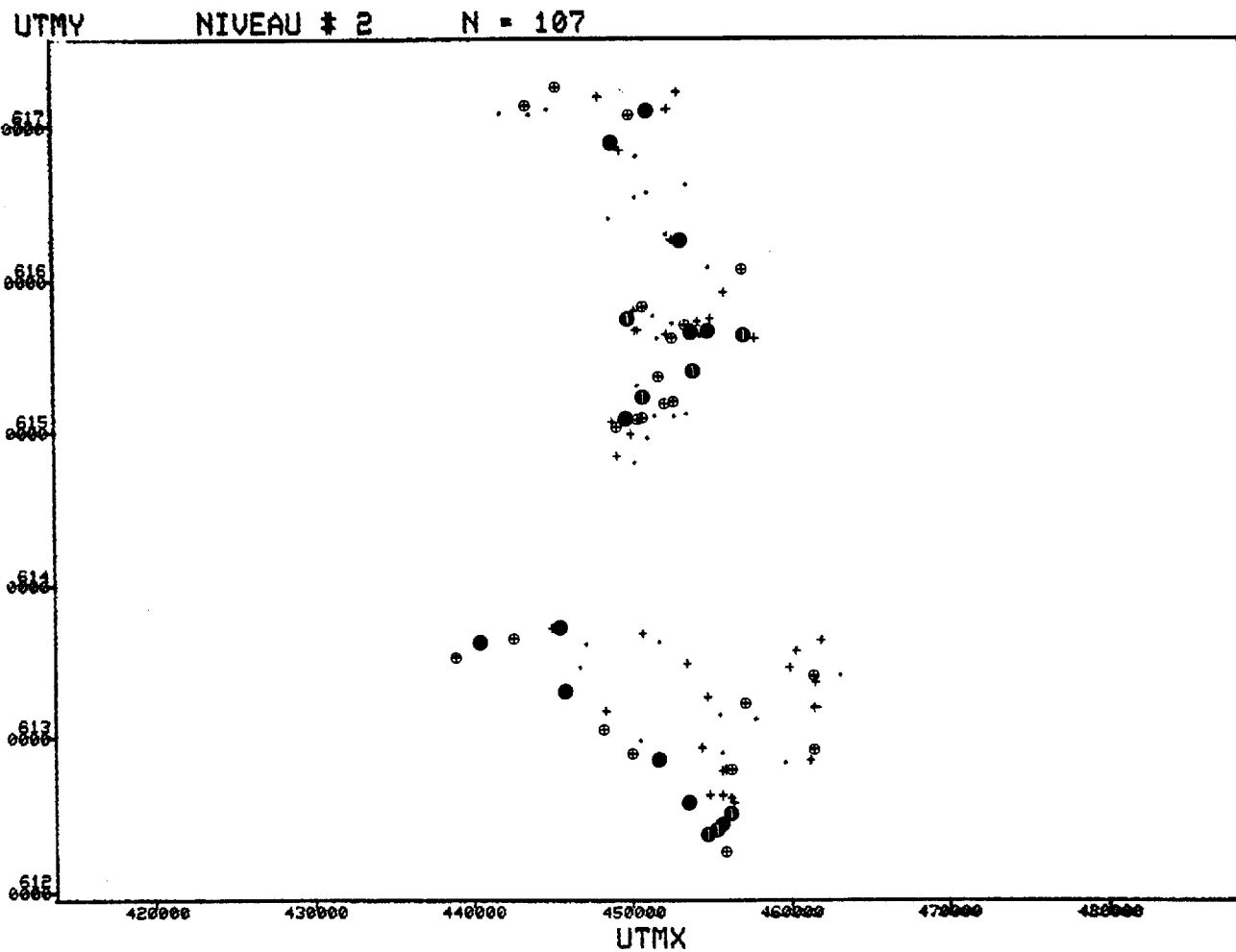


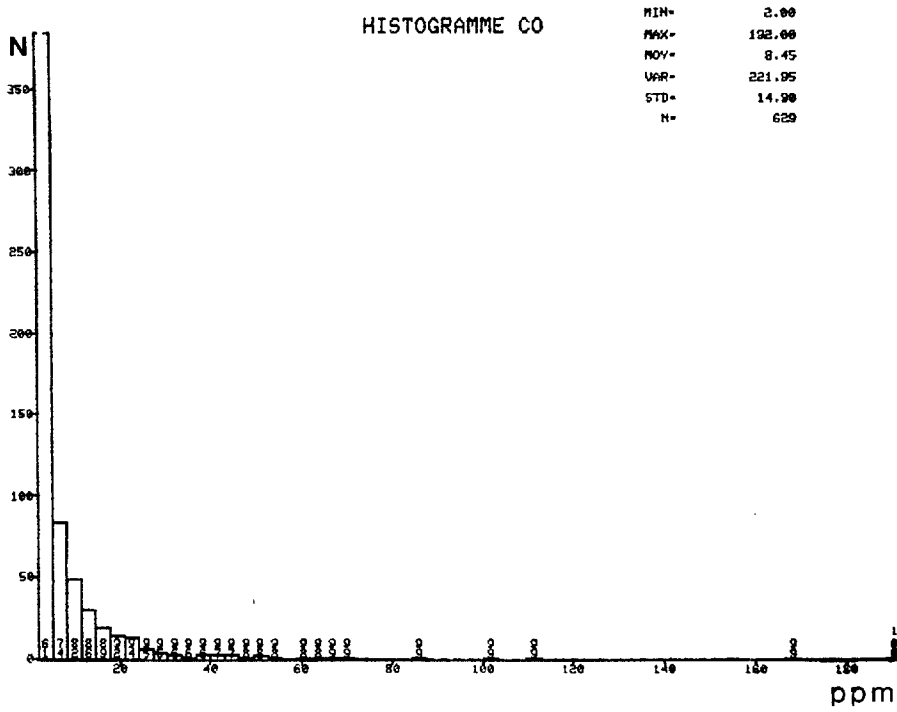
Ce

1



2



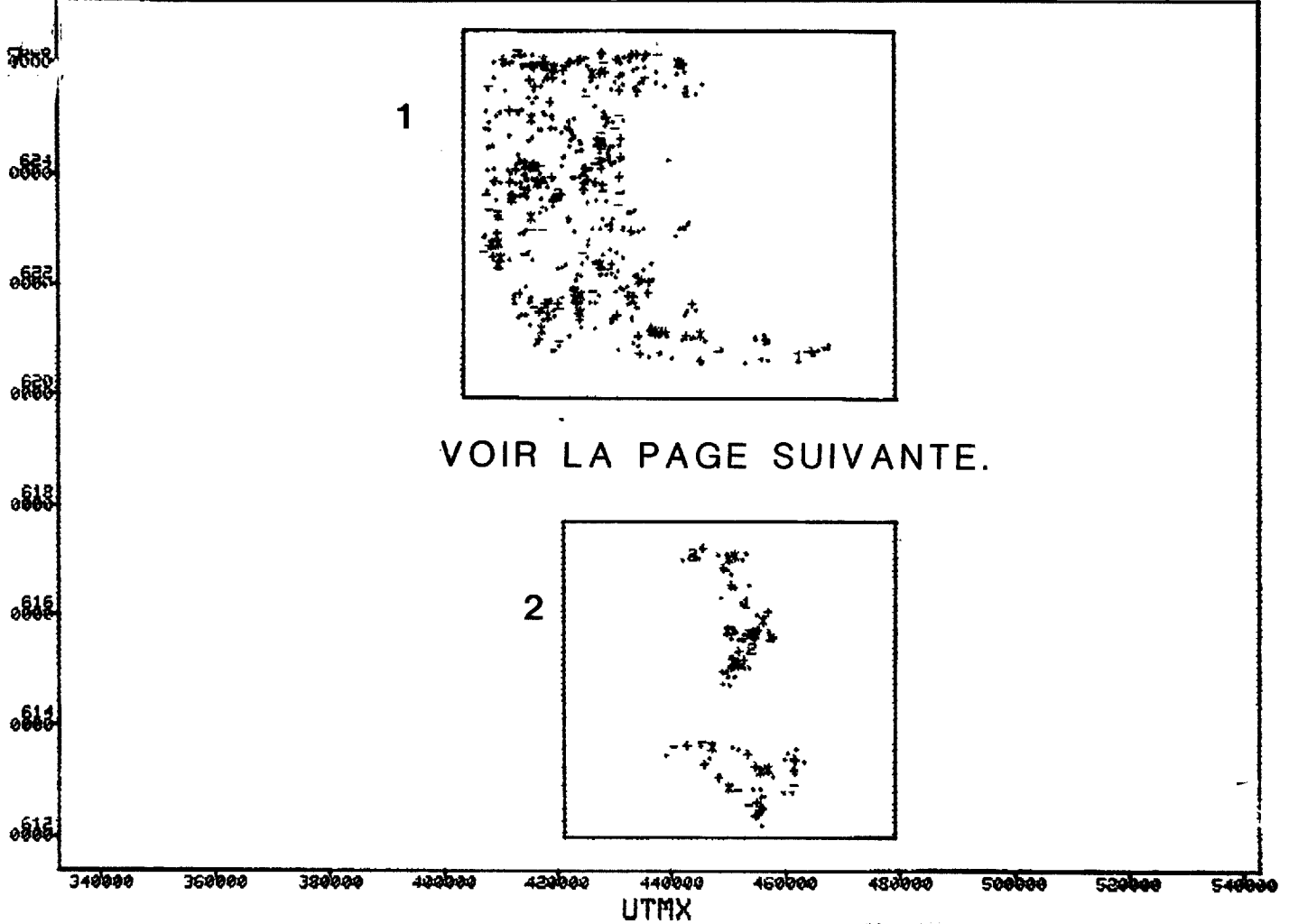


Co

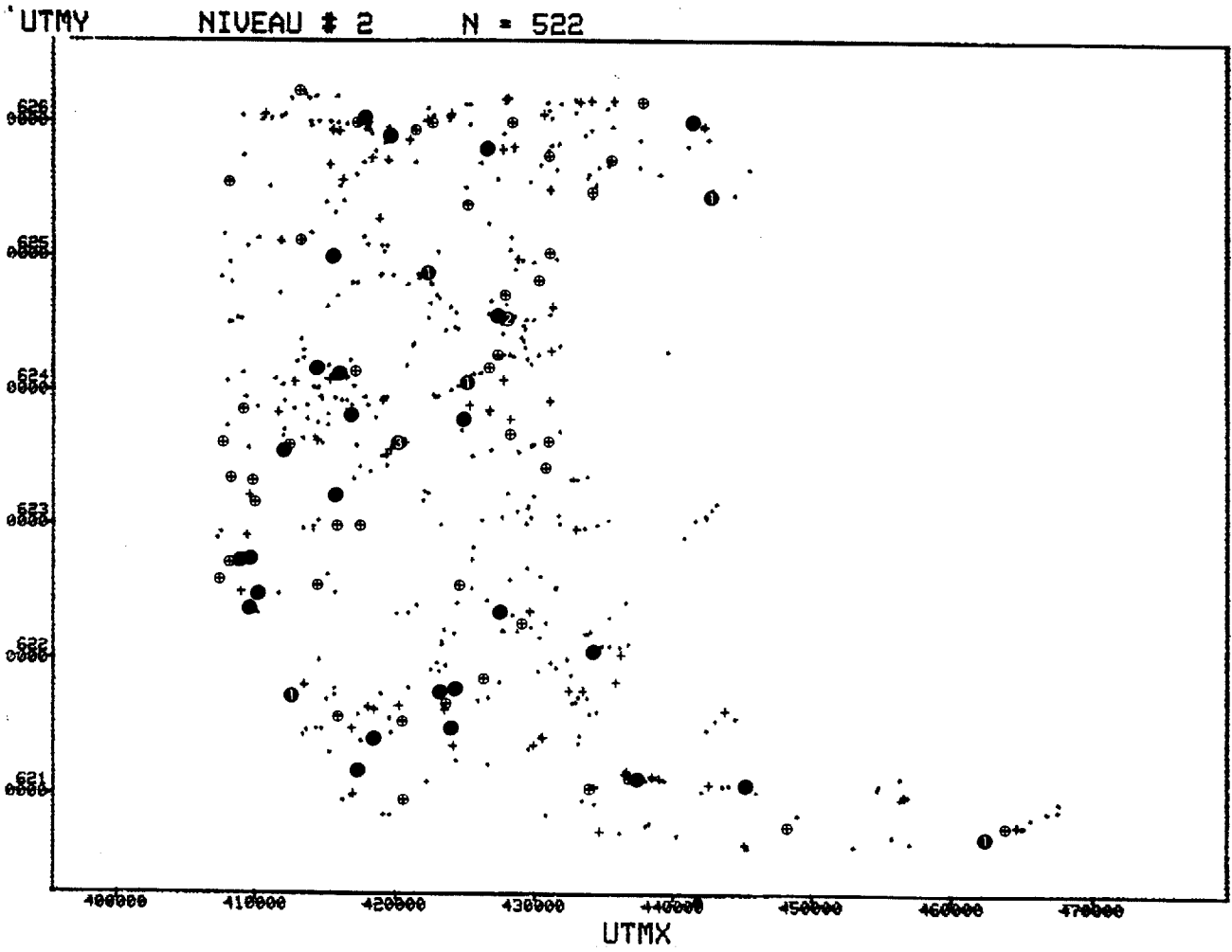
TENEURS (ppm)

0 - 6	.
7 - 12	+
13 - 20	⊕
21 - 47	●
48 - 94	⊙
95 - 188	⊗
189 - 276	⊛

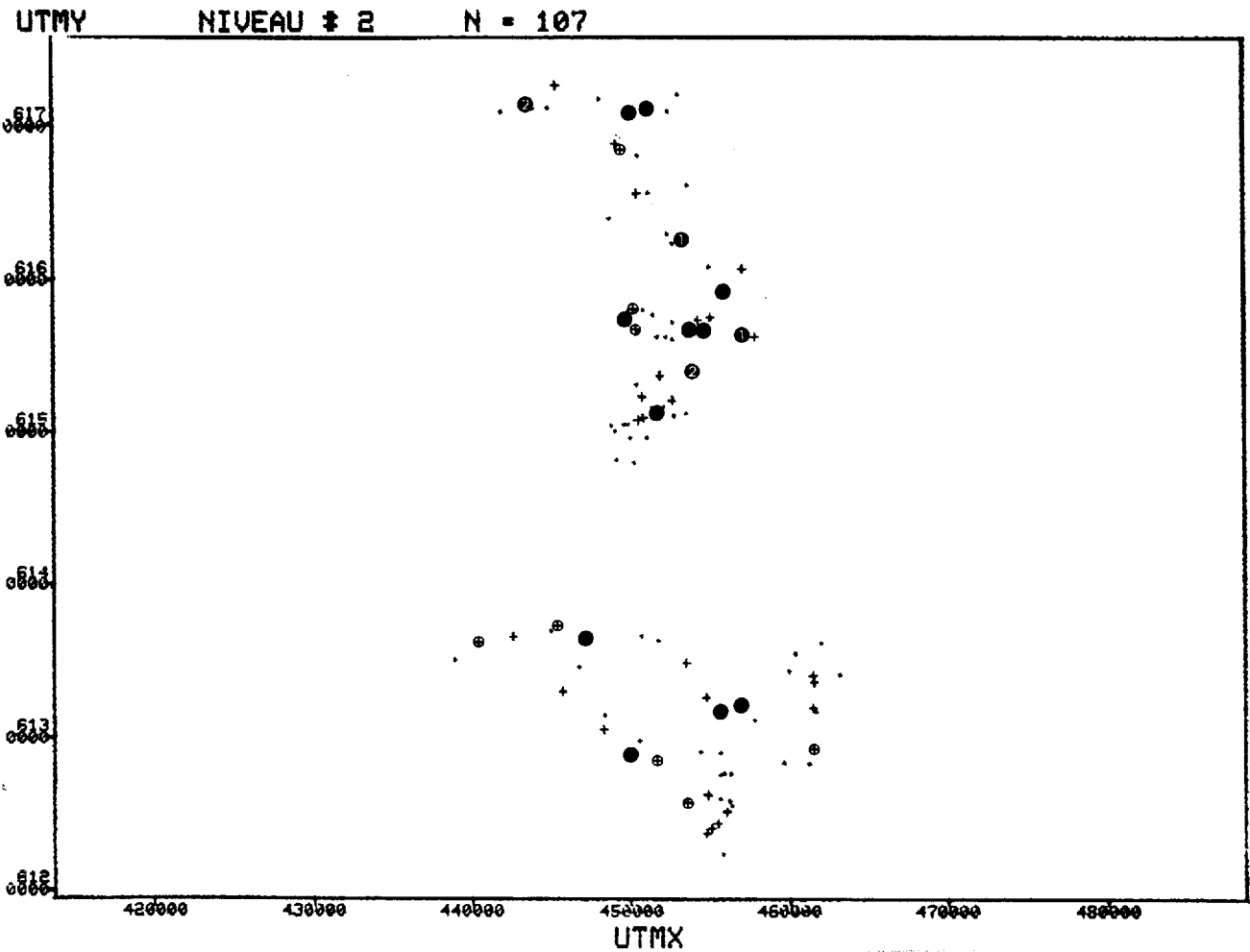
UTMY NIVEAU # 1 N = 629

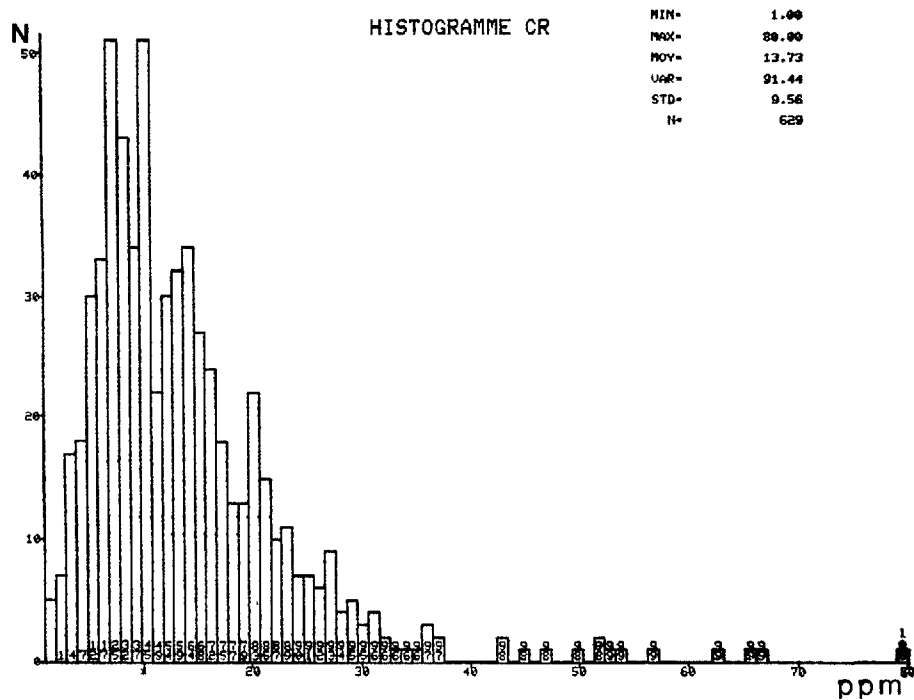


Co
1



2



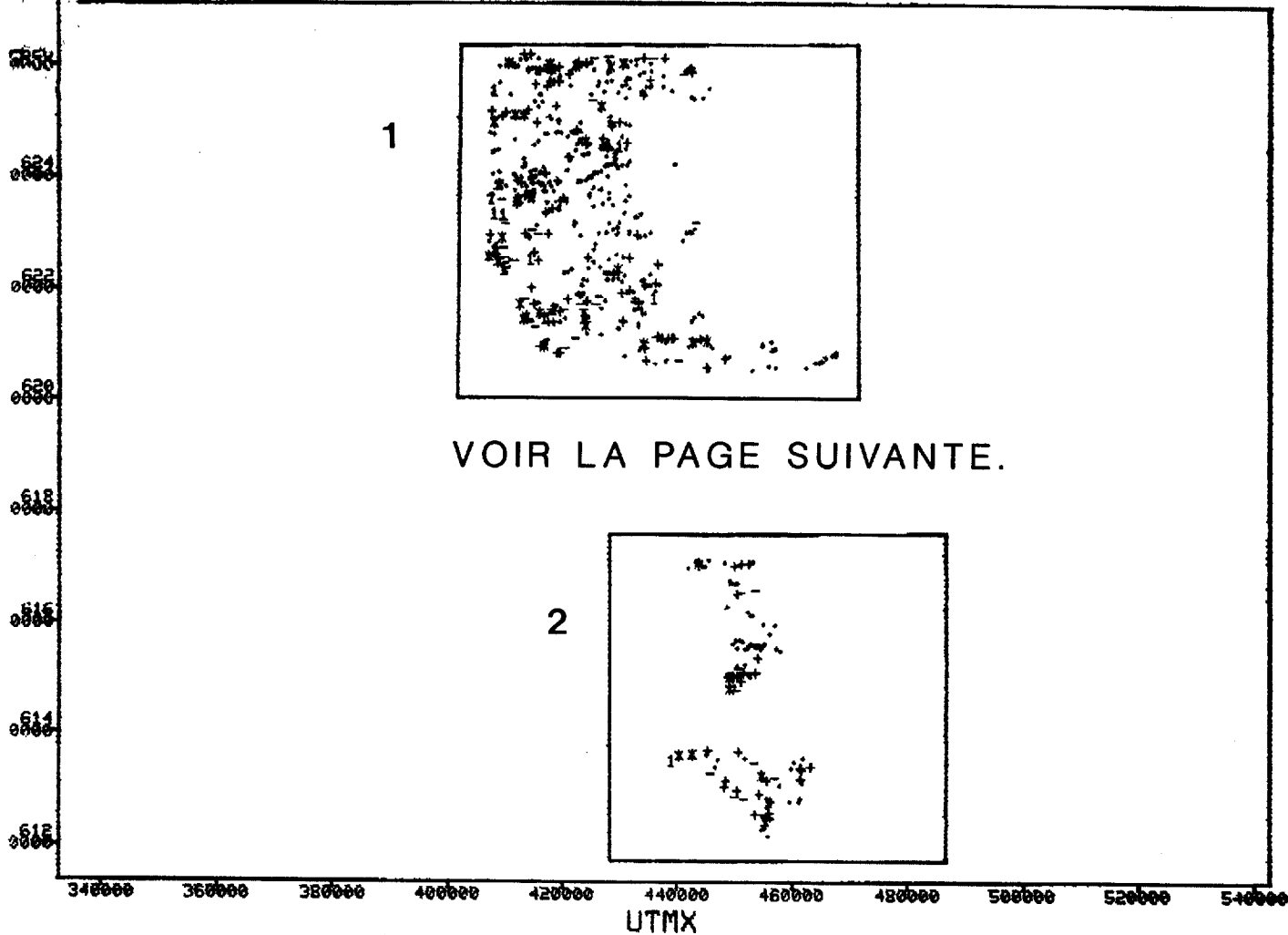


Cr

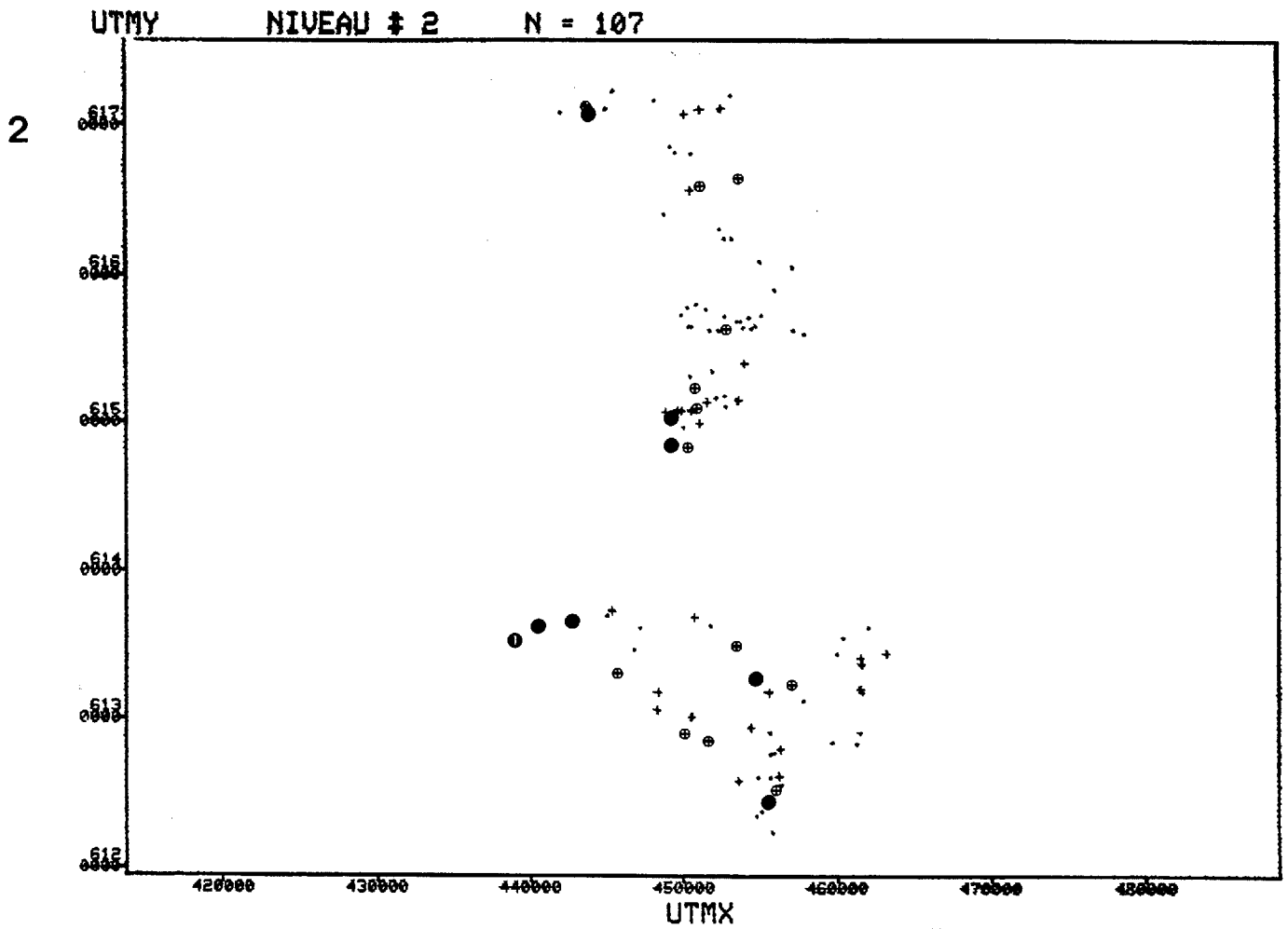
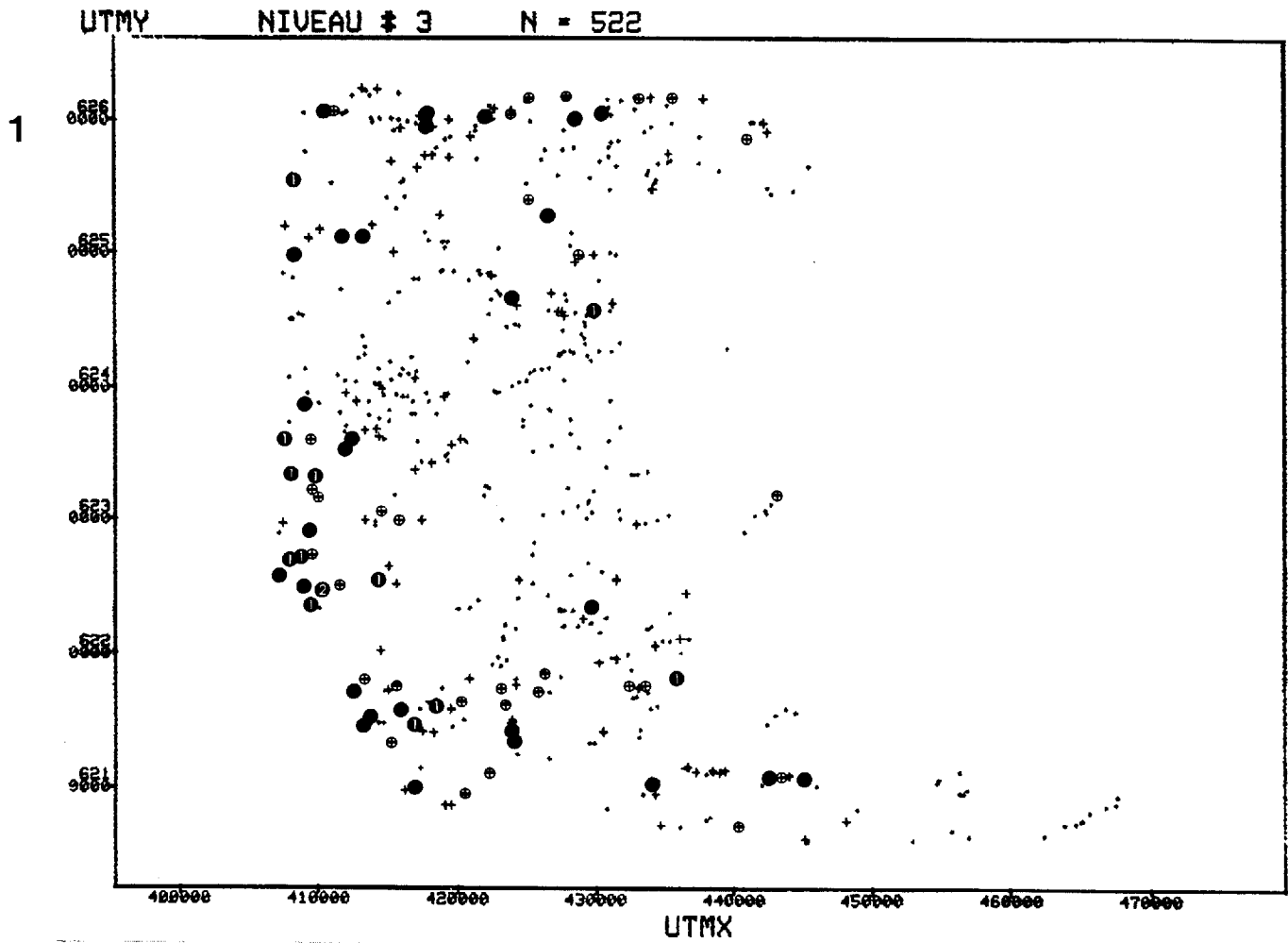
TENEURS (ppm)

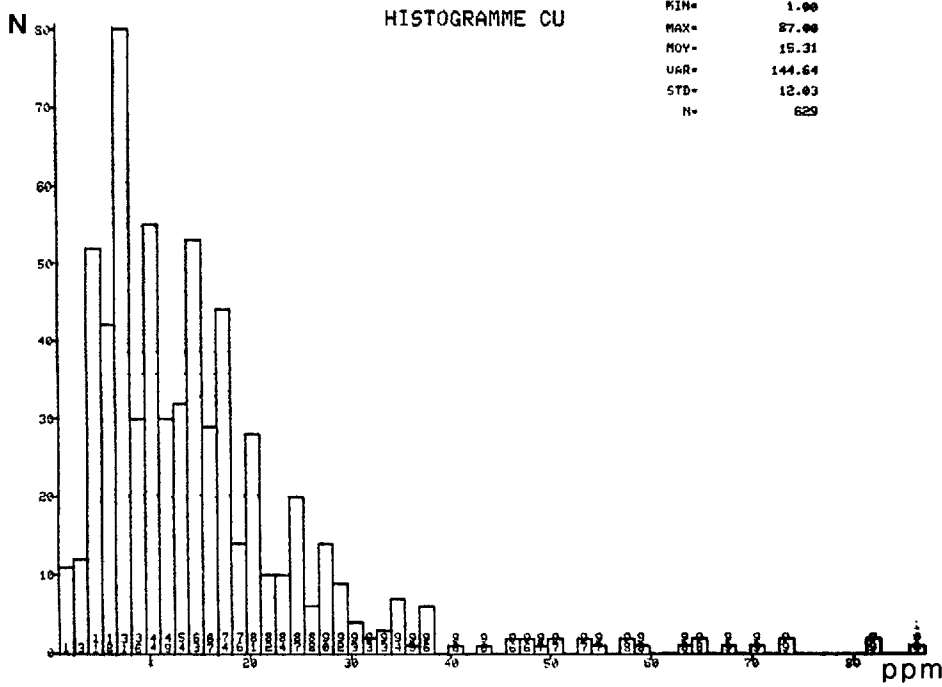
0 - 14	.
15 - 20	+
21 - 26	⊕
27 - 37	●
38 - 74	⊙
75 - 148	⊗

*UTMY NIVEAU # 1 N = 629



Cr



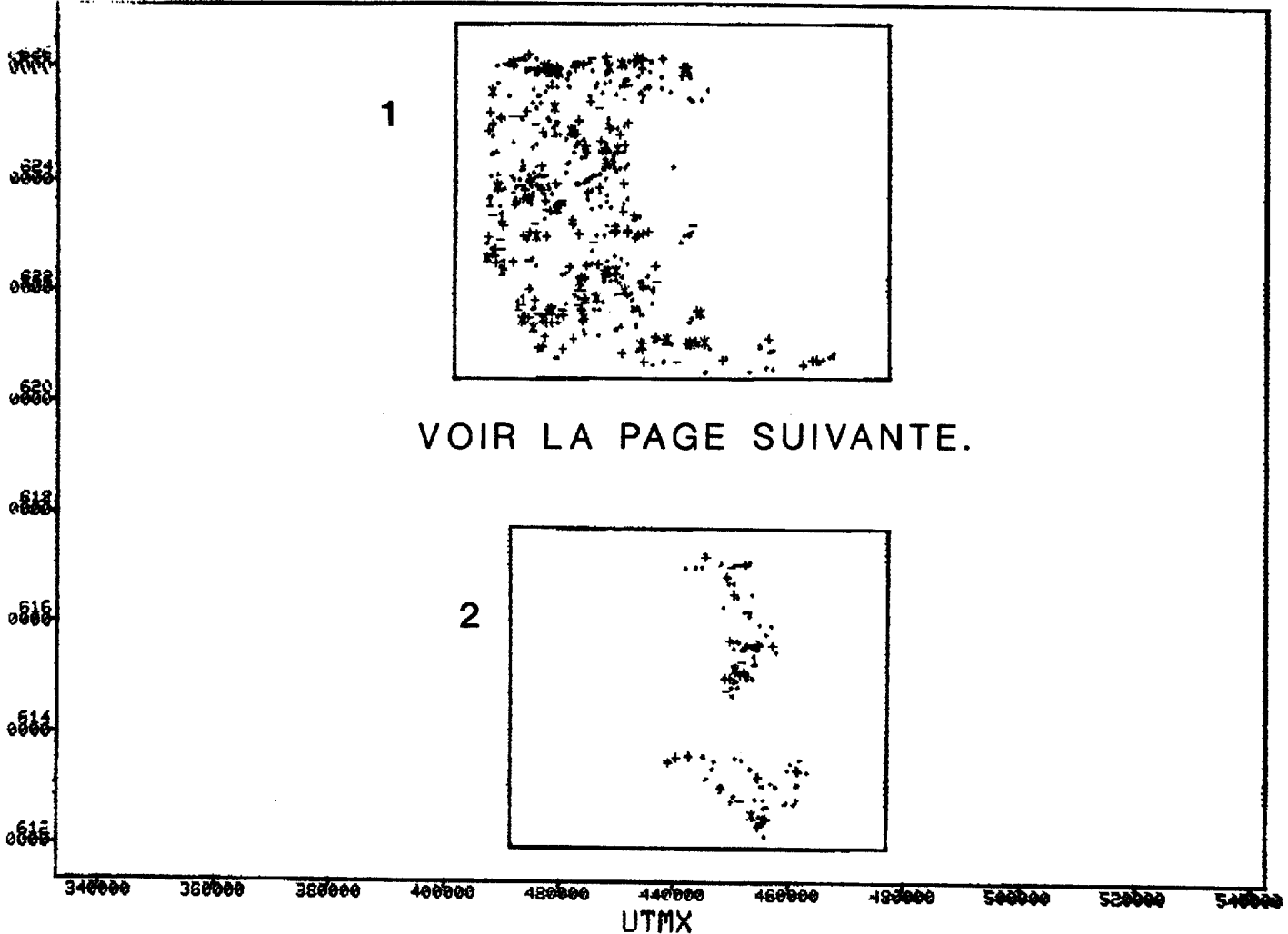


Cu

TENEURS (ppm)

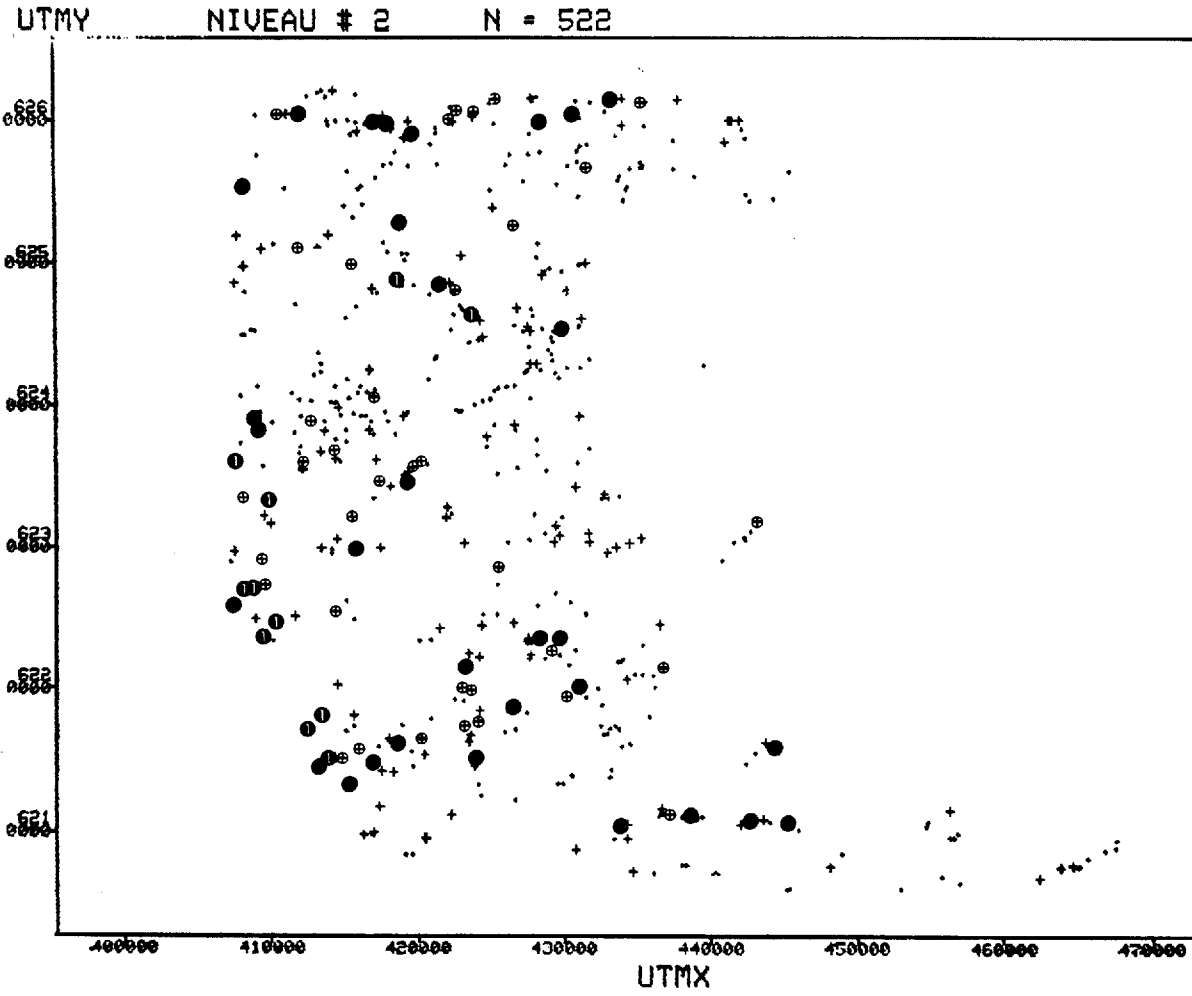
0 - 15	.
16 - 23	+
24 - 30	⊕
31 - 55	●
56 - 110	⦿

*UTMY NIVEAU # 1 N = 629

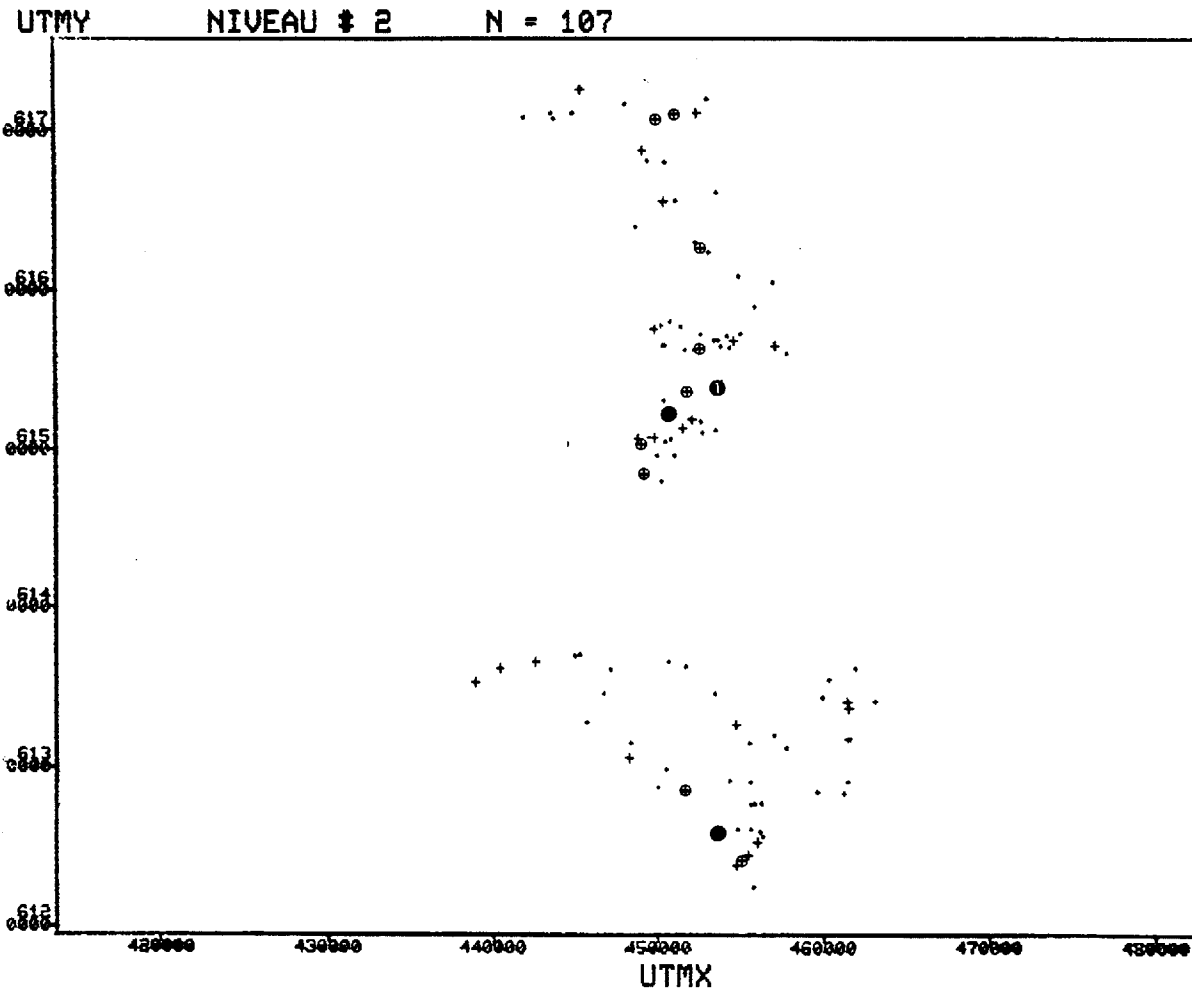


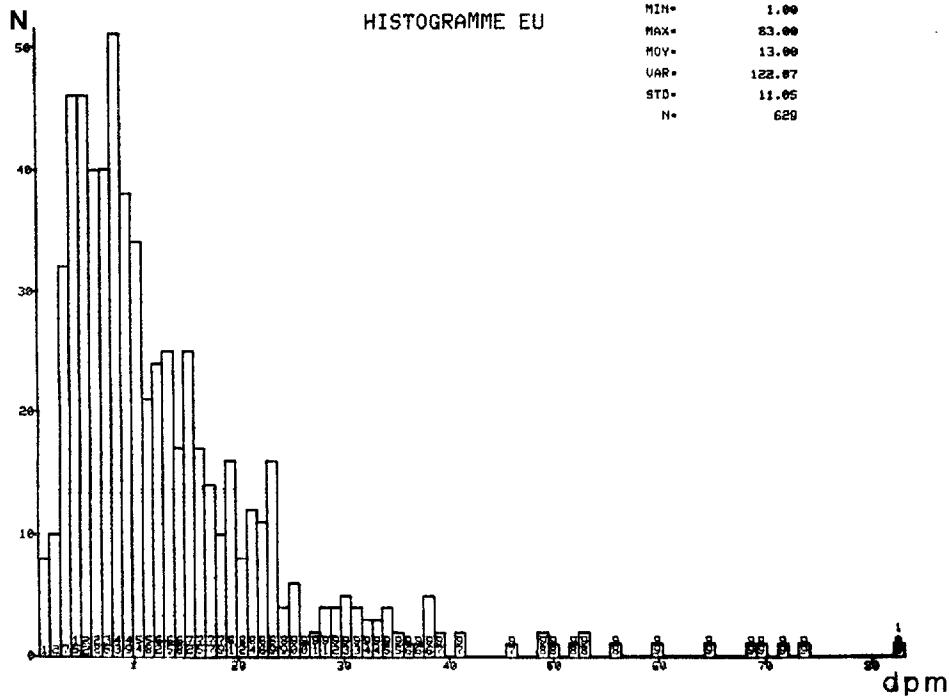
Cu

1



2





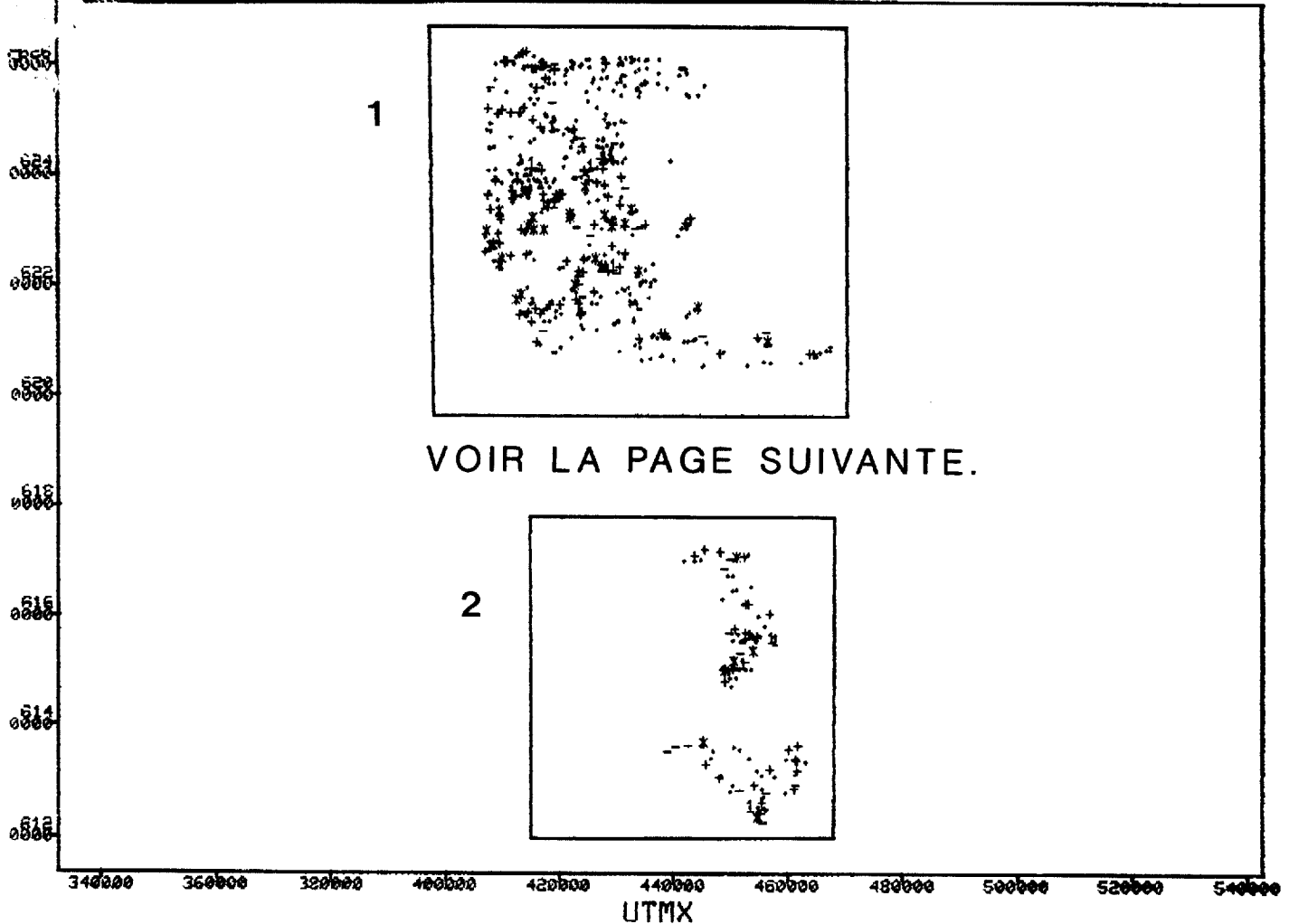
MIN = 1.00
MAX = 83.00
MOY = 13.00
VAR = 122.87
STD = 11.05
N = 629

Eu

TENEURS (dpm)

- 0 - 13 ·
- 14 - 21 +
- 22 - 29 ⊕
- 30 - 46 ●
- 47 - 92 ⊙

UTMY NIVEAU # 1 N = 629

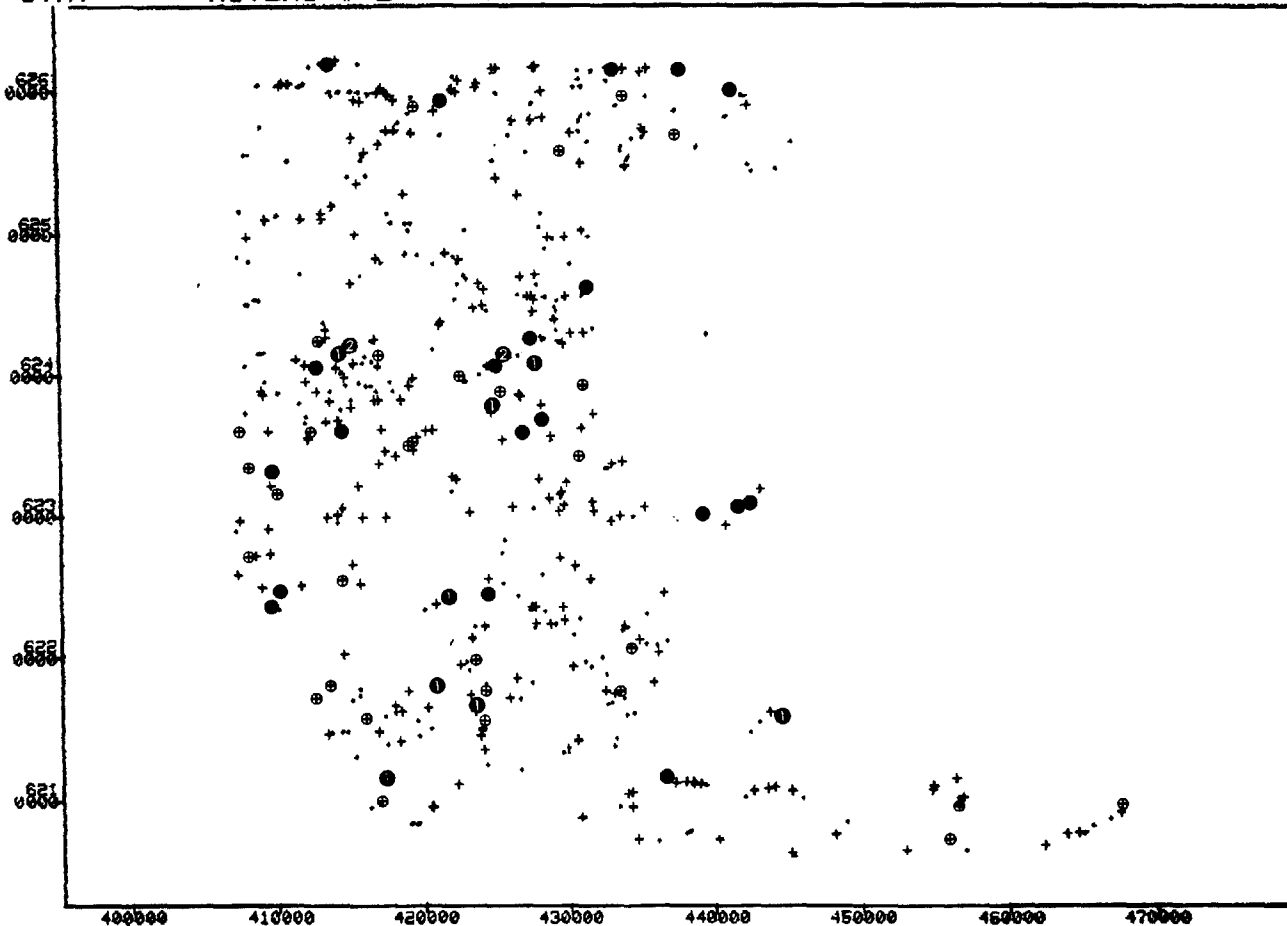


VOIR LA PAGE SUIVANTE.

Eu

UTMY NIVEAU # 2 N = 522

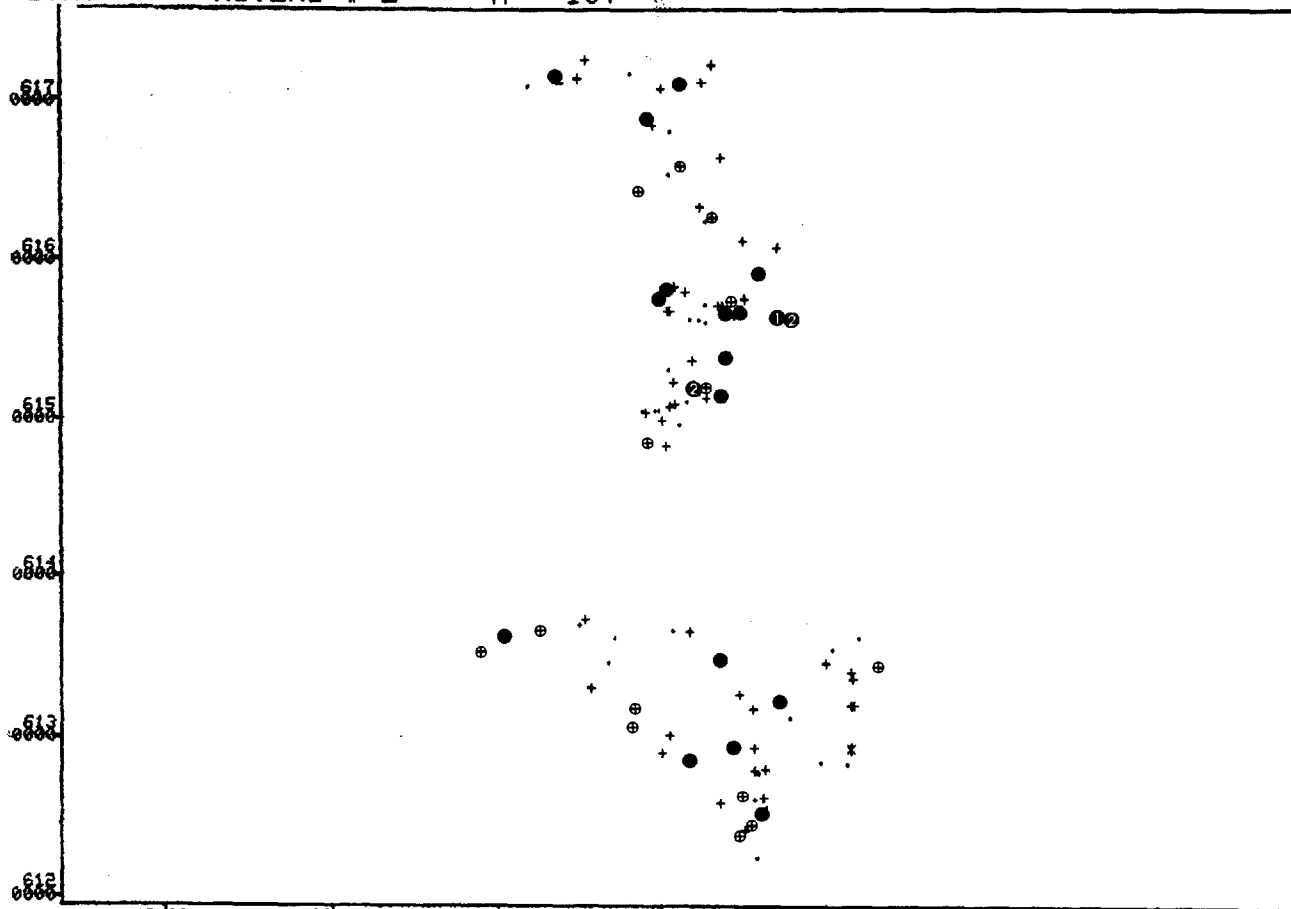
1



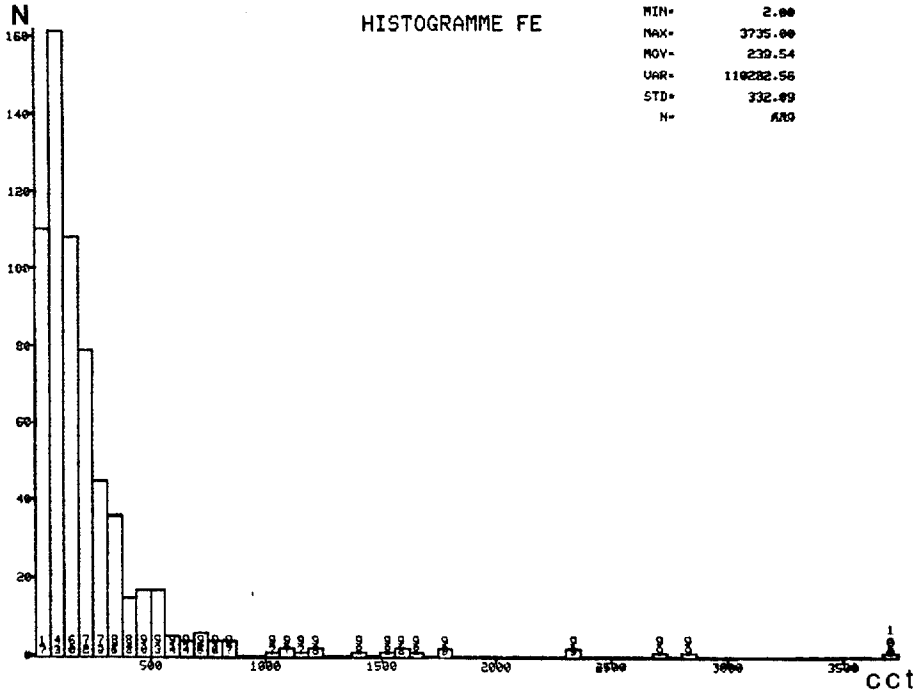
UTMX

UTMY NIVEAU # 2 N = 107

2



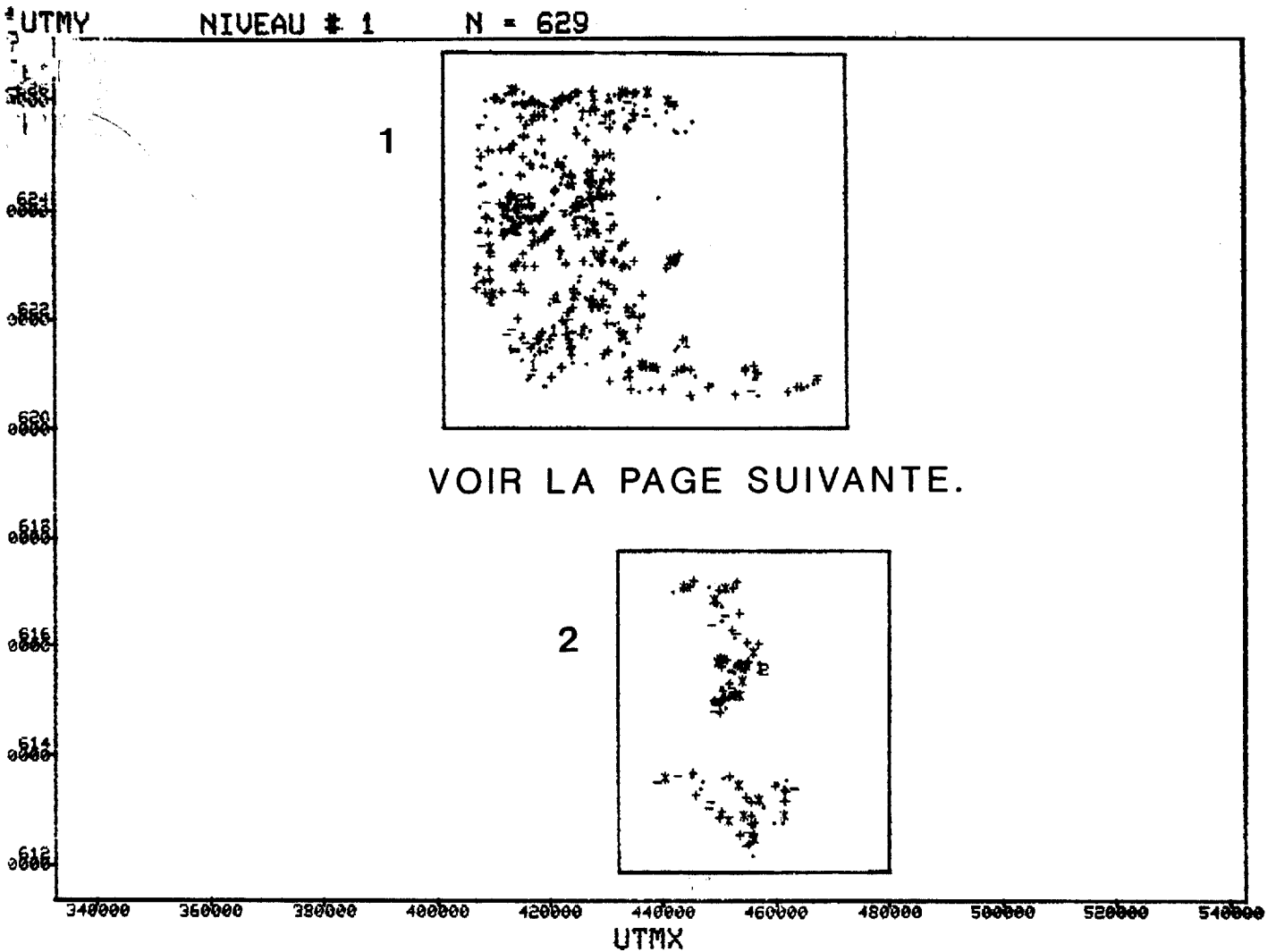
UTMX



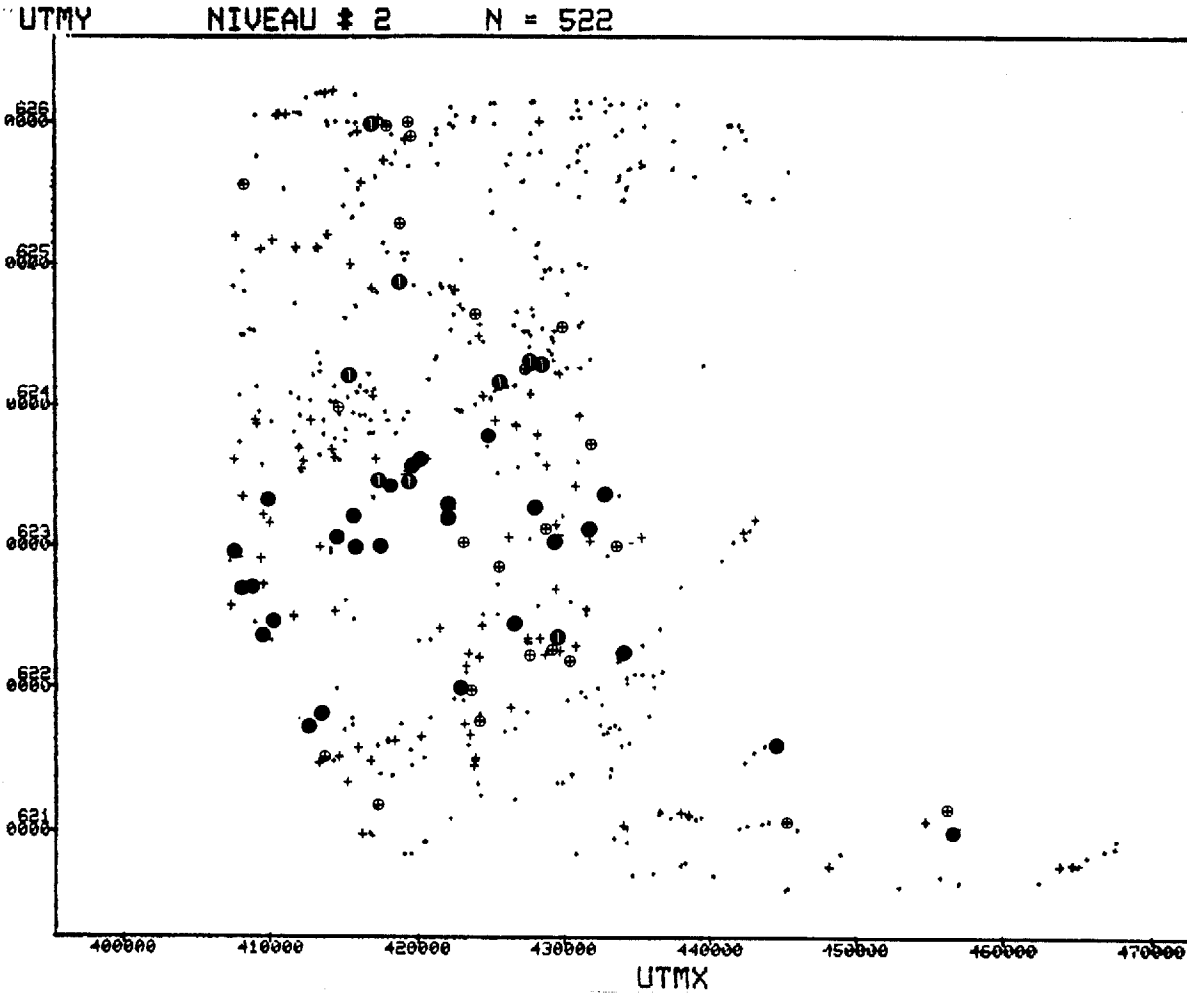
Fe

TENEURS (cct)

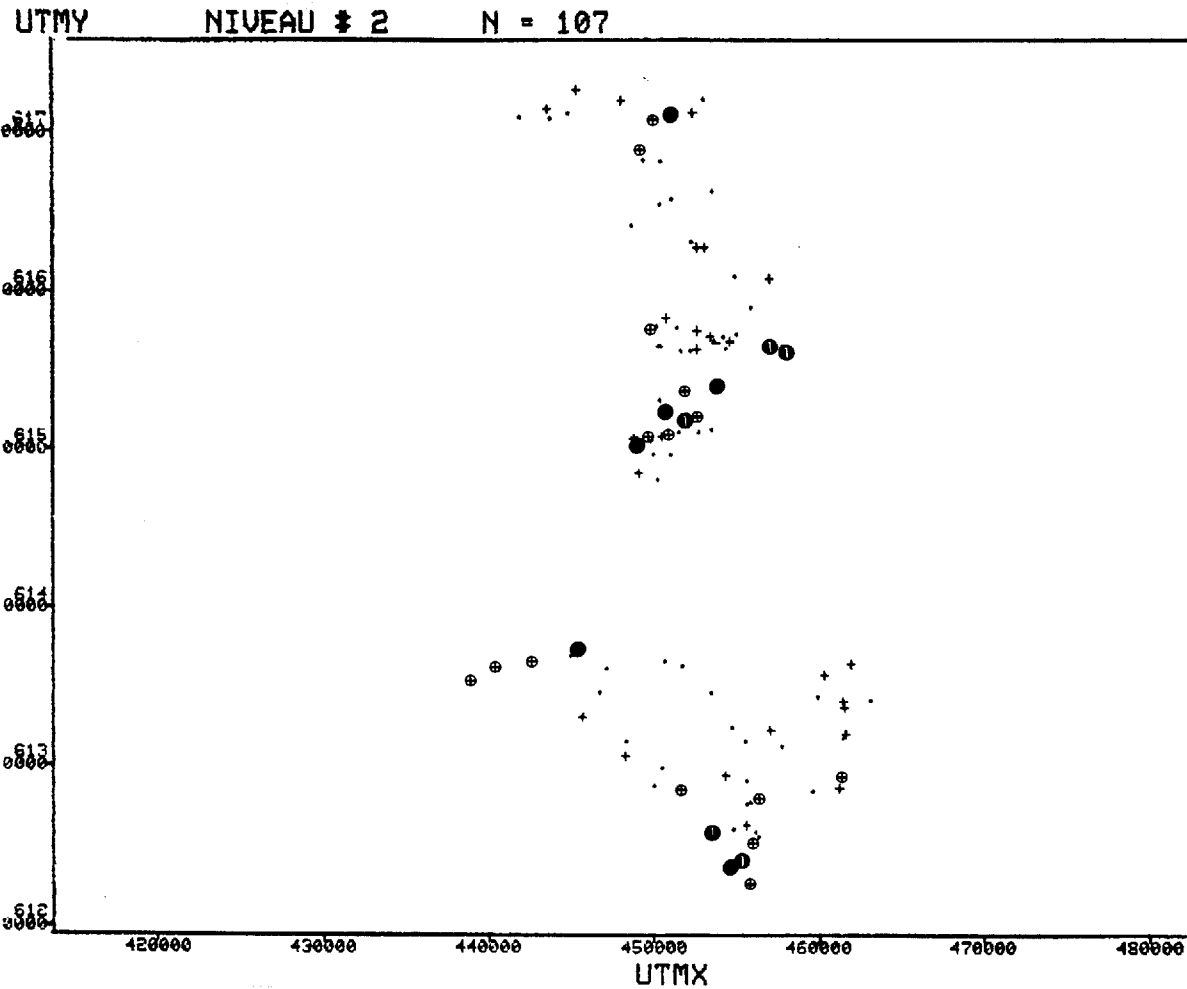
0 - 120	·
120 - 360	+
361 - 530	⊕
531 - 1180	●
1181 - 2360	⊙
2361 - 4720	⊗

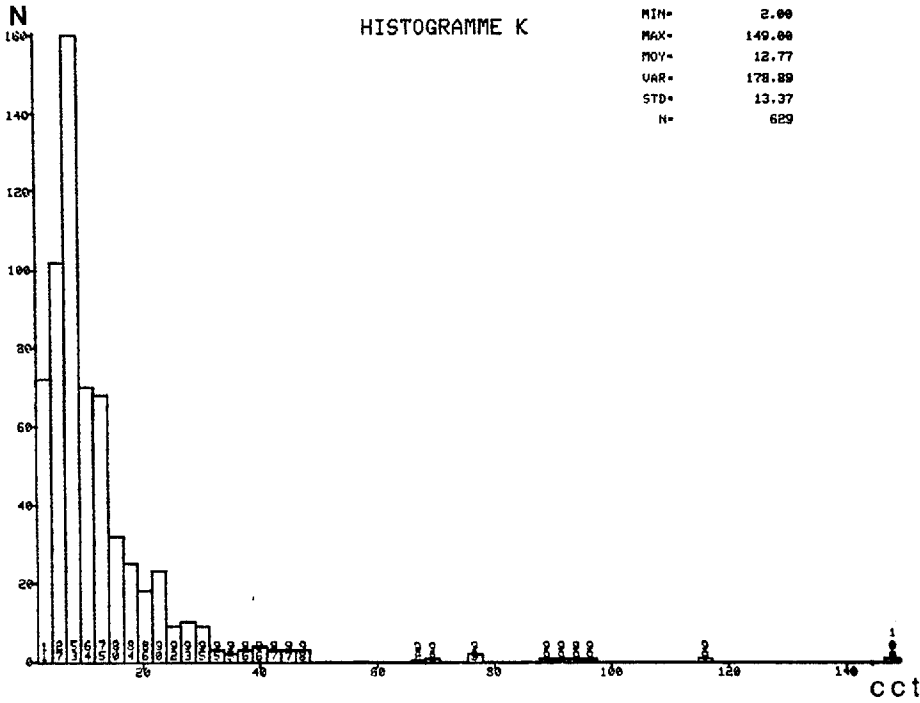


Fe
1



2



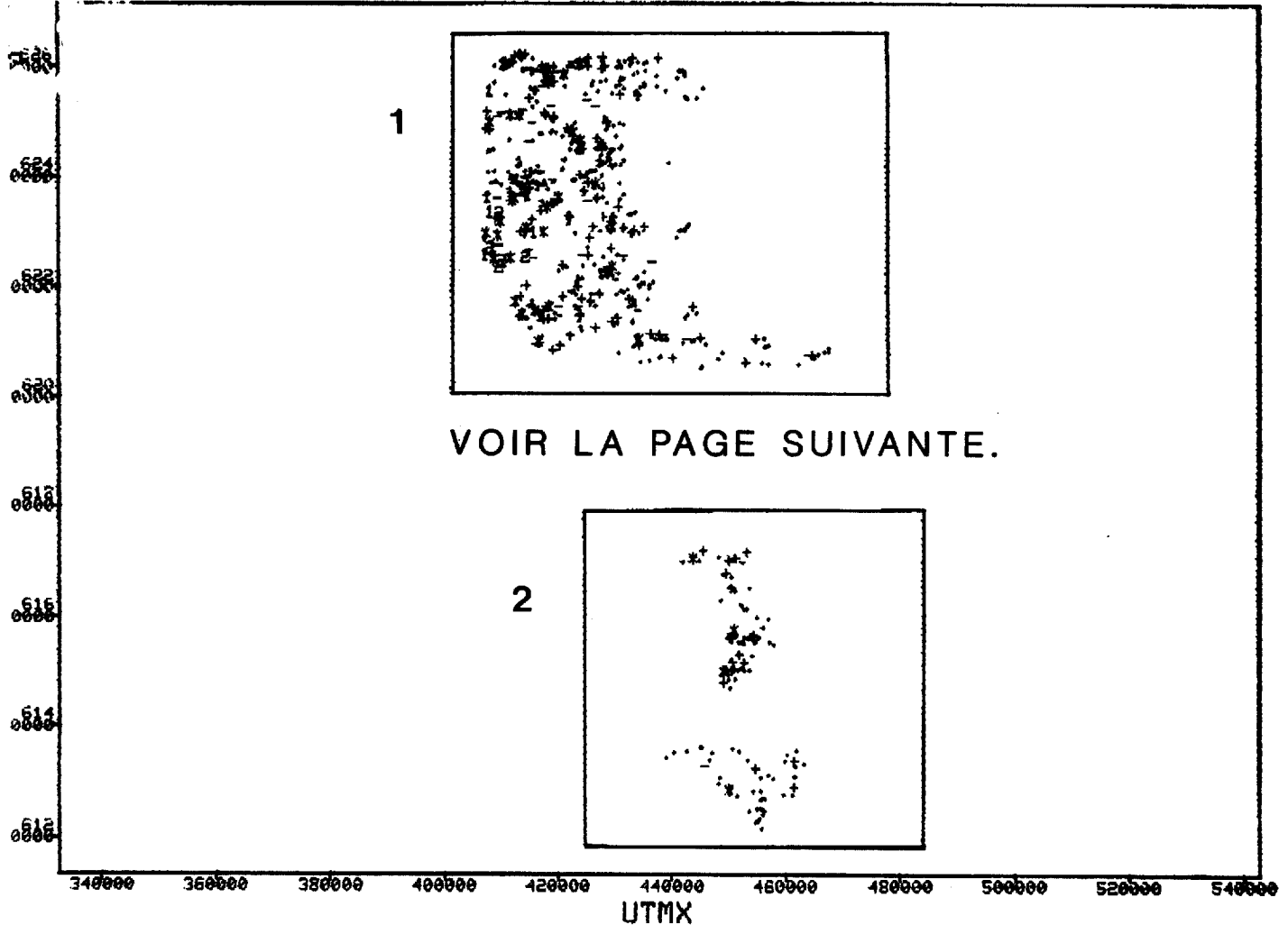


K

TENEURS (cct)

0 - 11	.
12 - 18	+
19 - 25	⊕
26 - 45	●
46 - 90	Ⓢ
91 - 180	Ⓣ

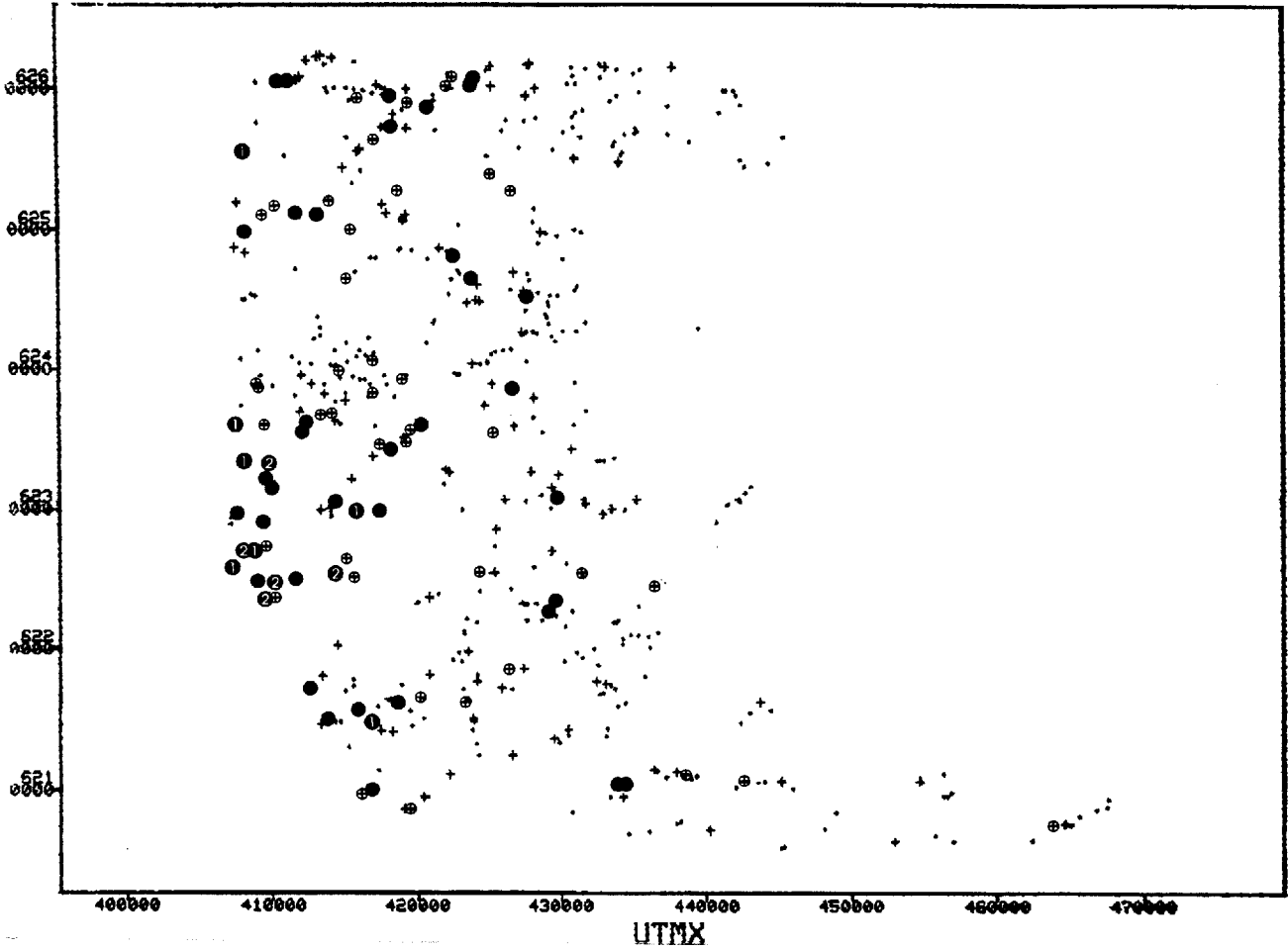
UTMY NIVEAU # 1 N = 629



K

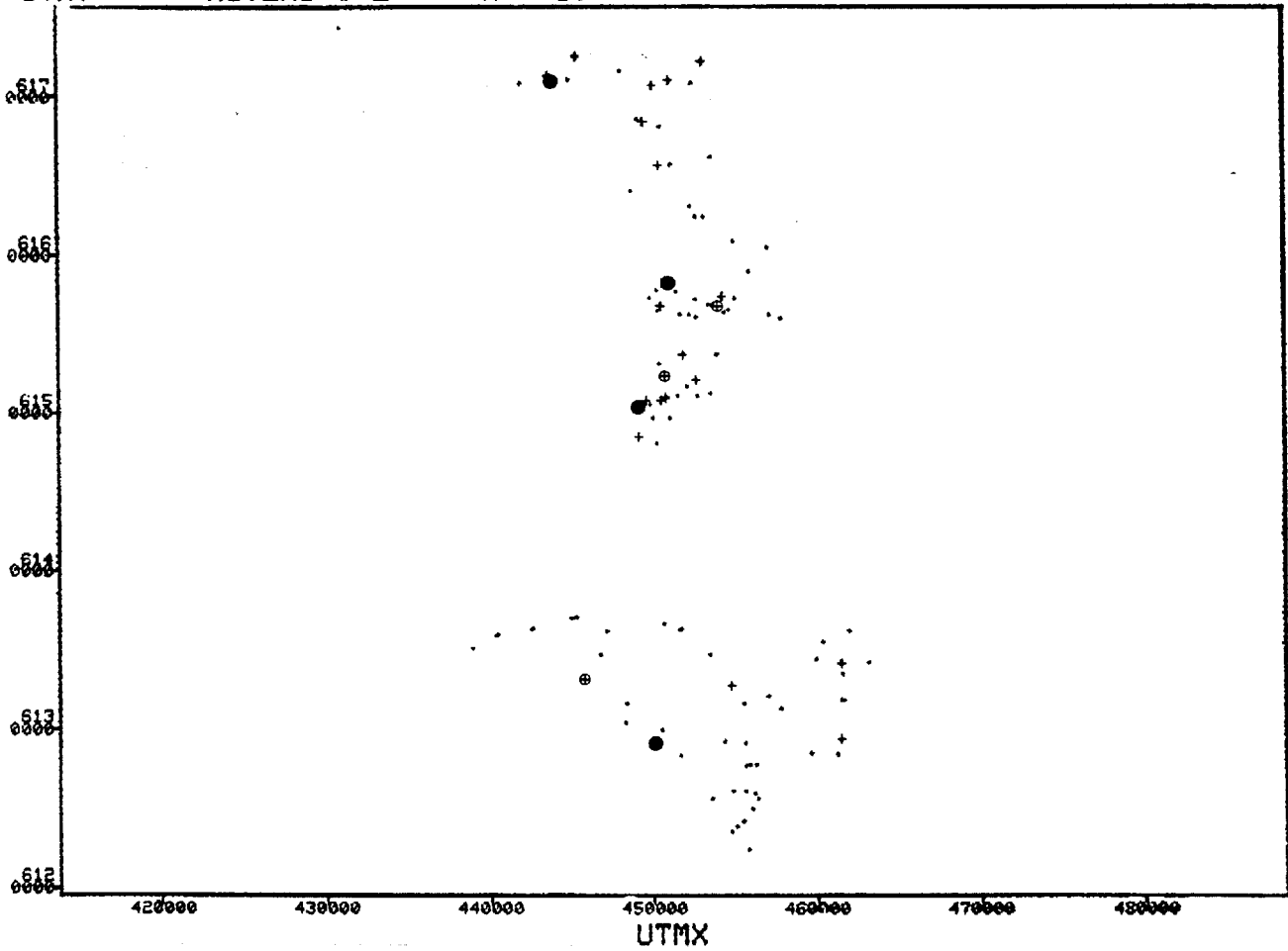
1

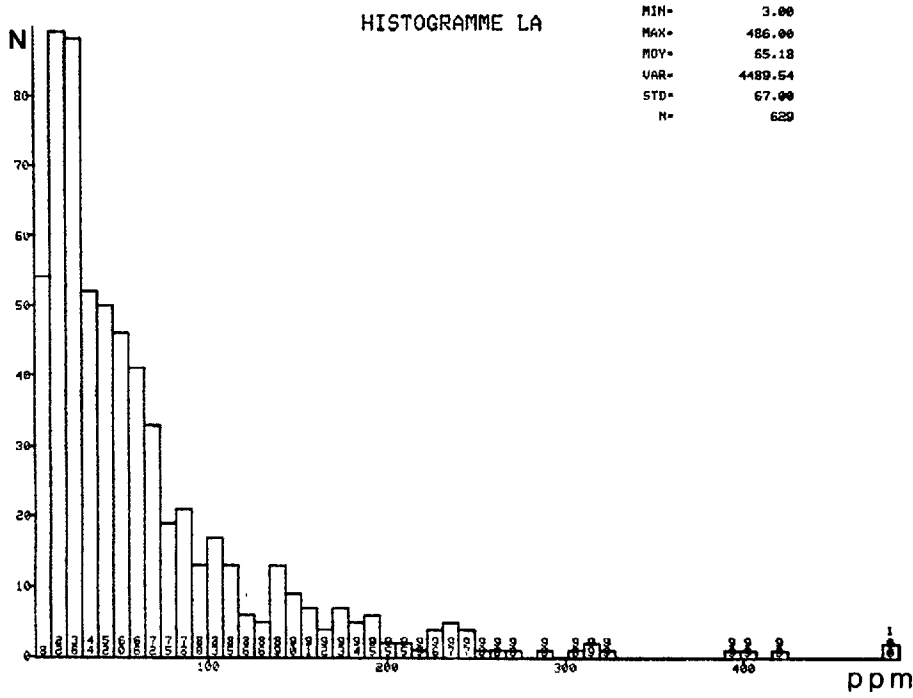
UTMY NIVEAU # 2 N = 522



2

UTMY NIVEAU # 2 N = 107

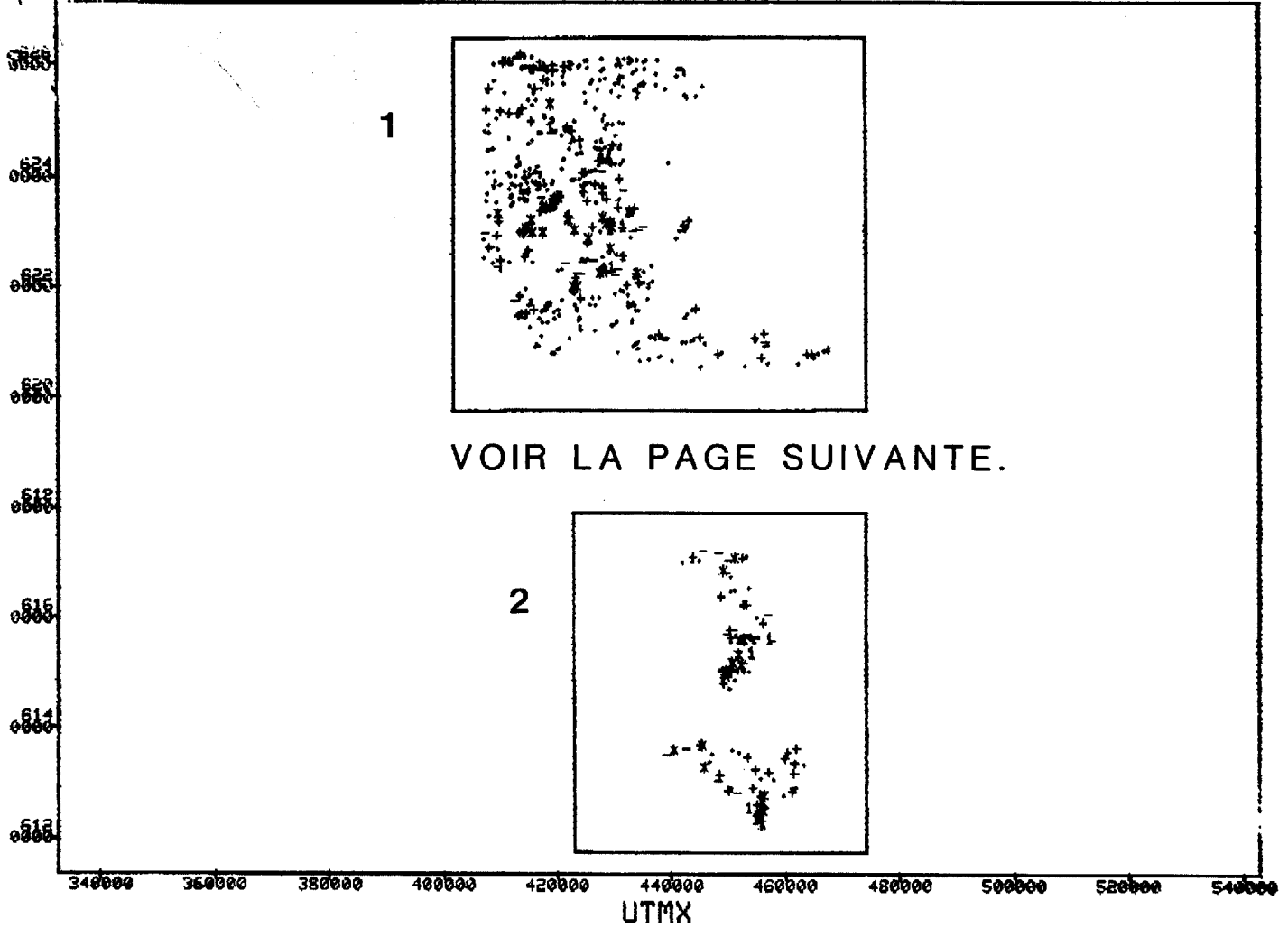




La
TENEURS (ppm)

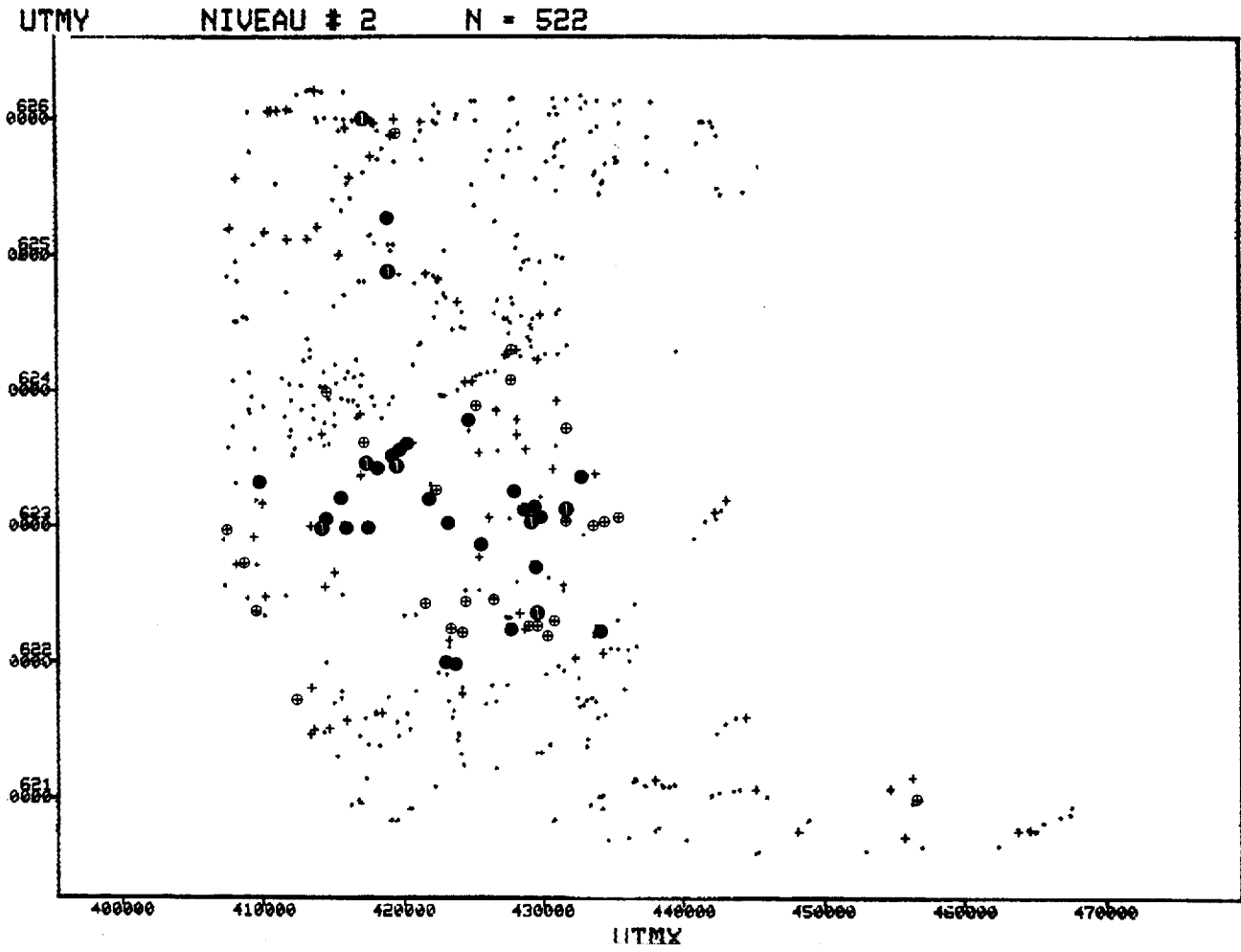
- 0 - 63 ·
- 64 - 110 +
- 111 - 163 ⊕
- 164 - 245 ●
- 246 - 490 ⊙

UTMY NIVEAU # 1 N = 629

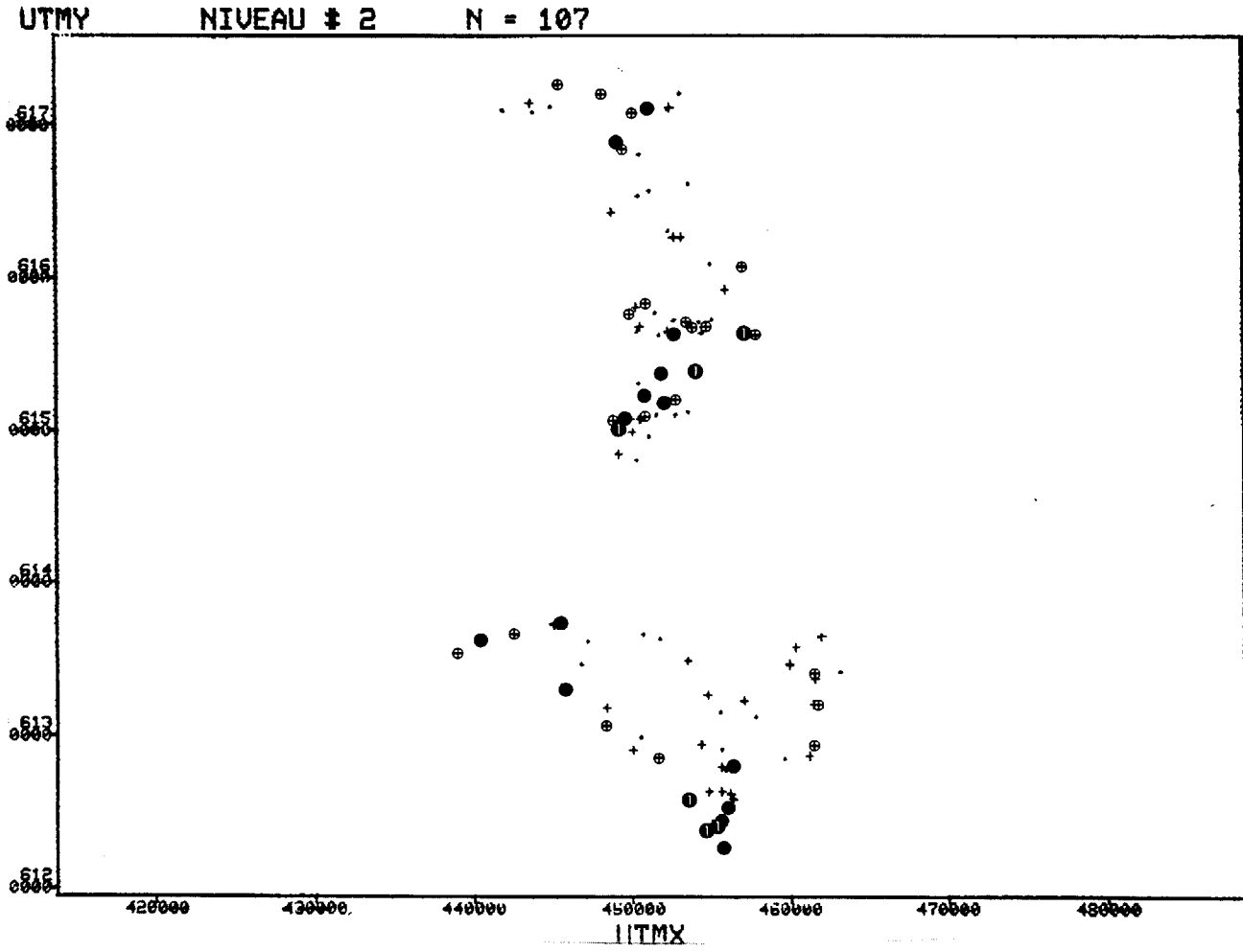


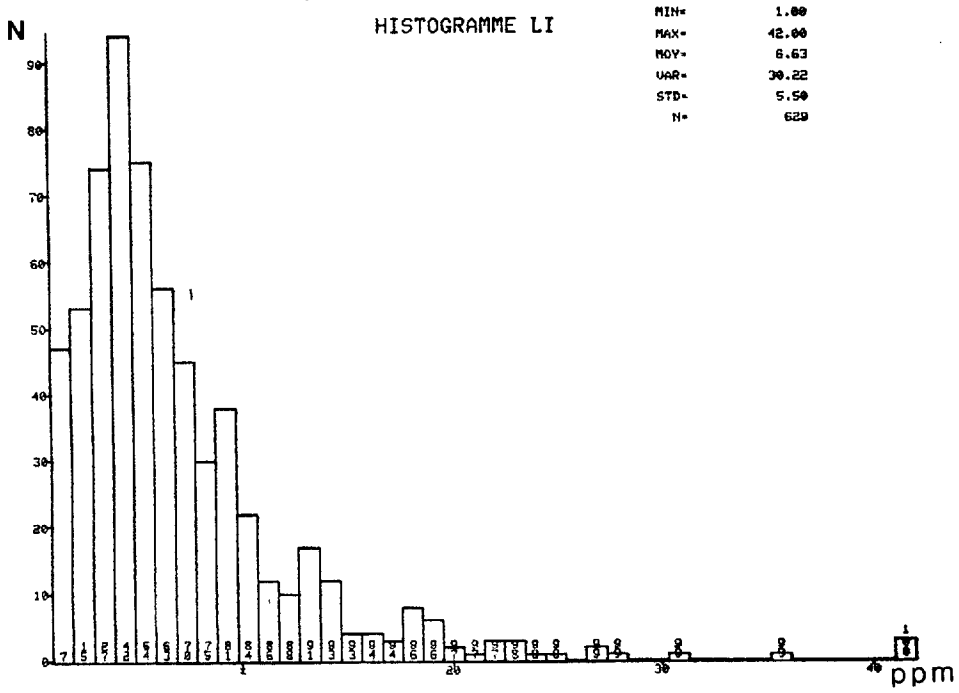
La

1



2

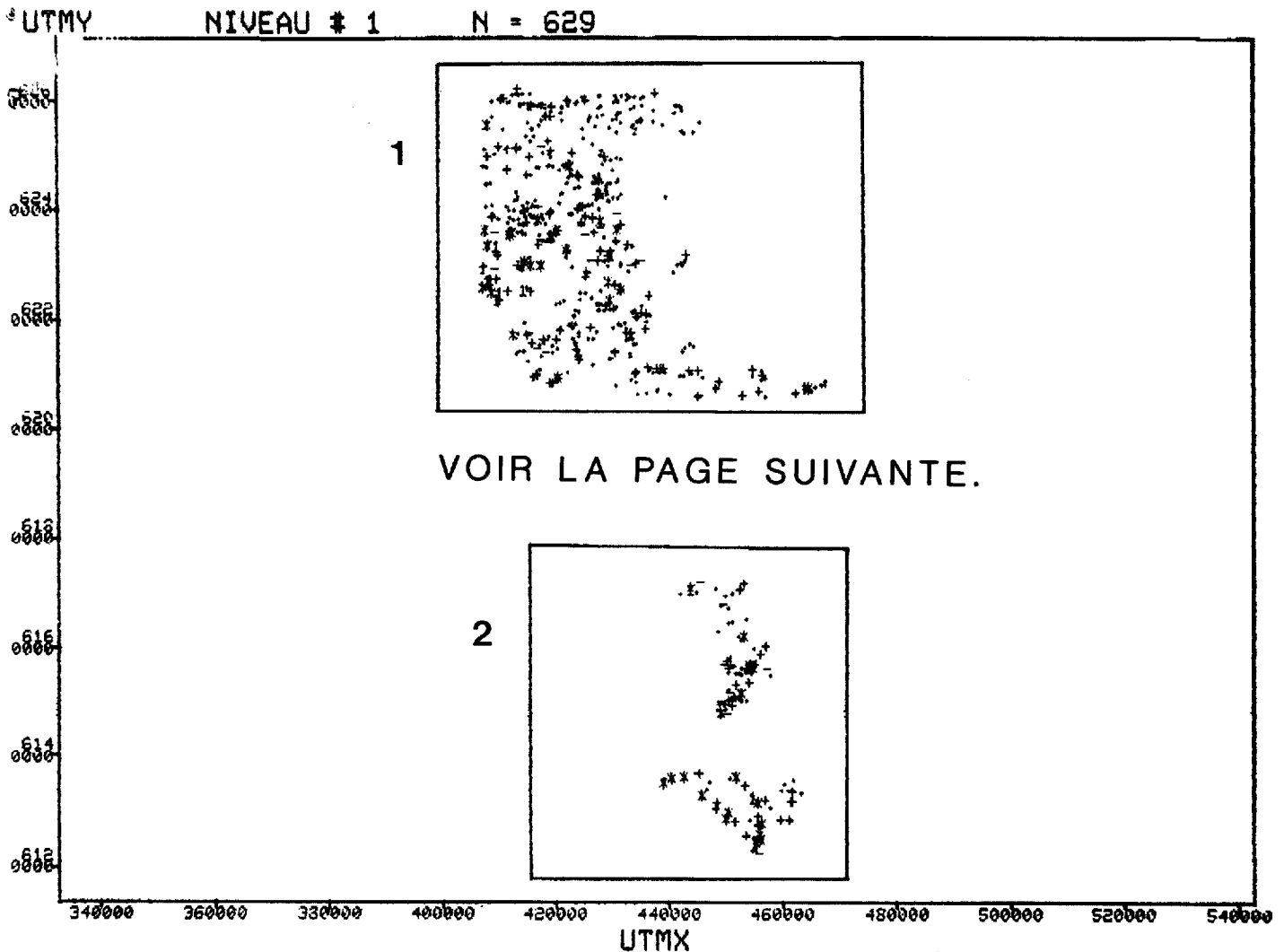




Li

TENEURS (ppm)

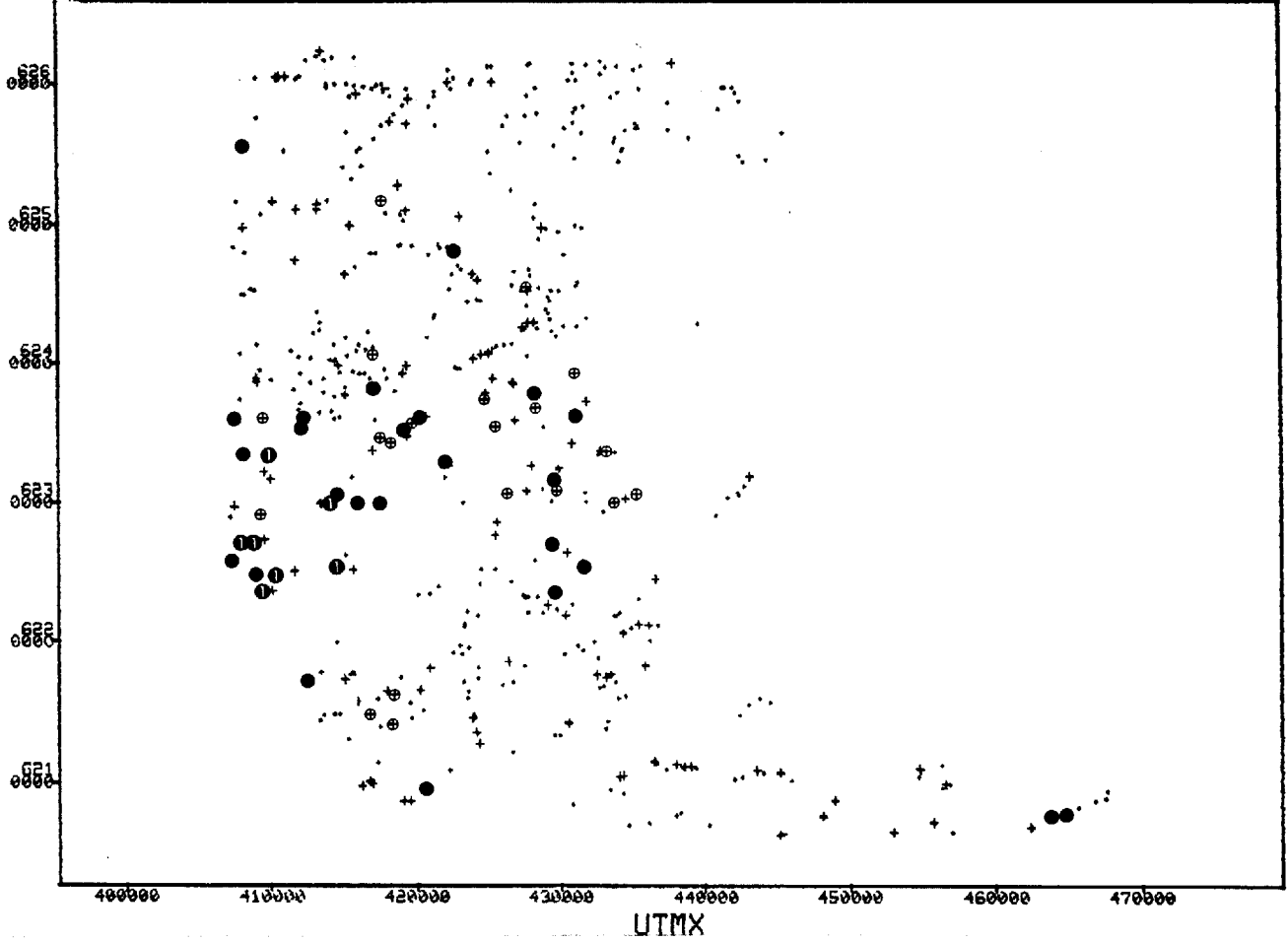
0 - 6	.
7 - 10	+
11 - 13	⊕
14 - 22	●
23 - 44	⊙



Li

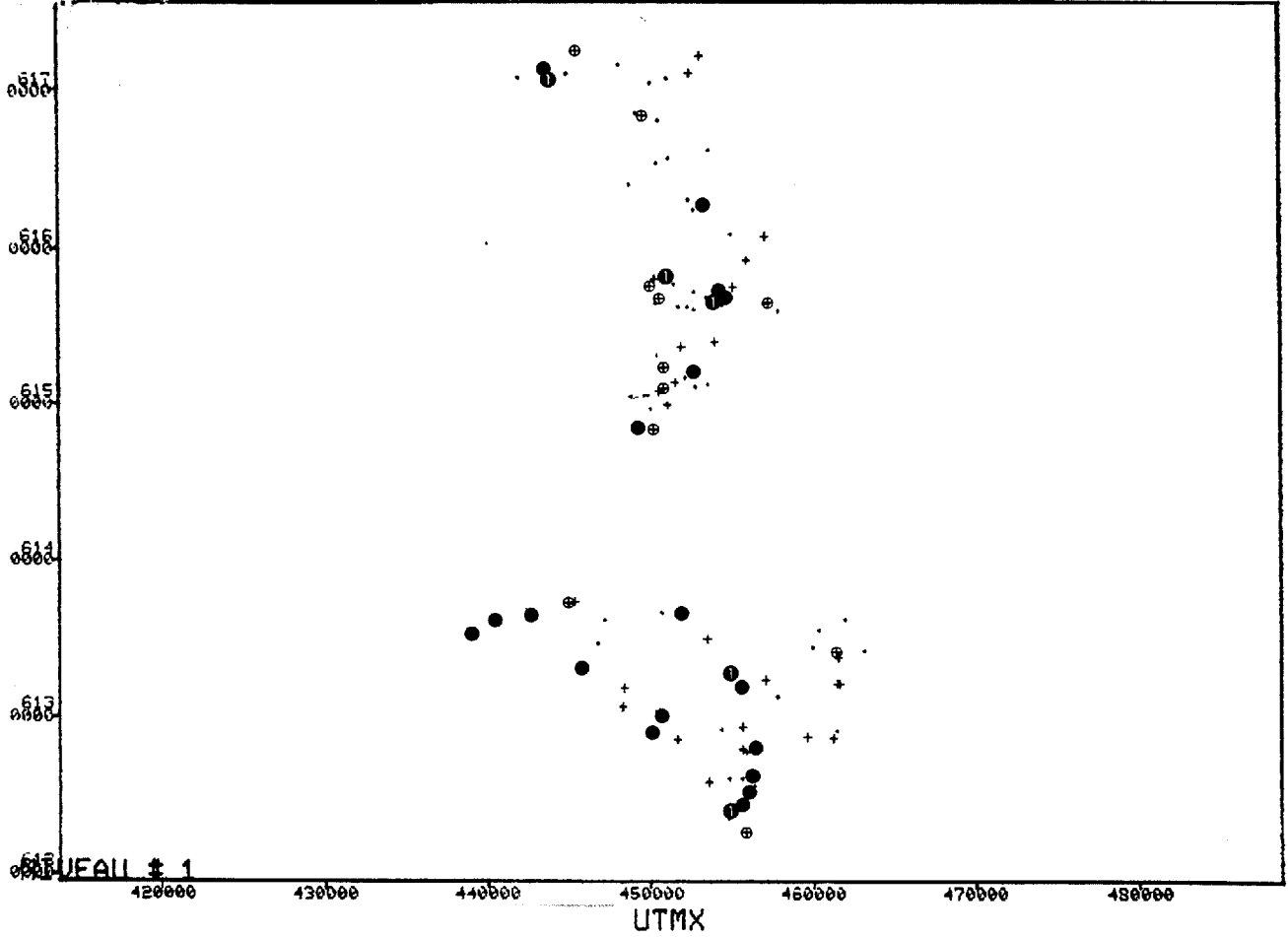
1

UTMY NIVEAU # 2 N = 522

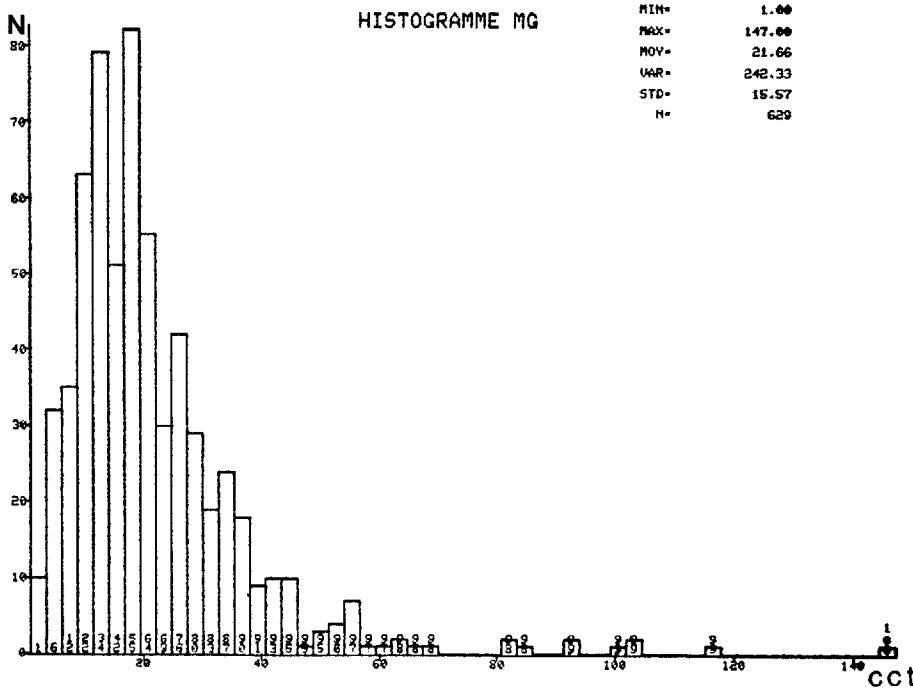


2

UTMY NIVEAU # 2 N = 107



NIVEAU # 1

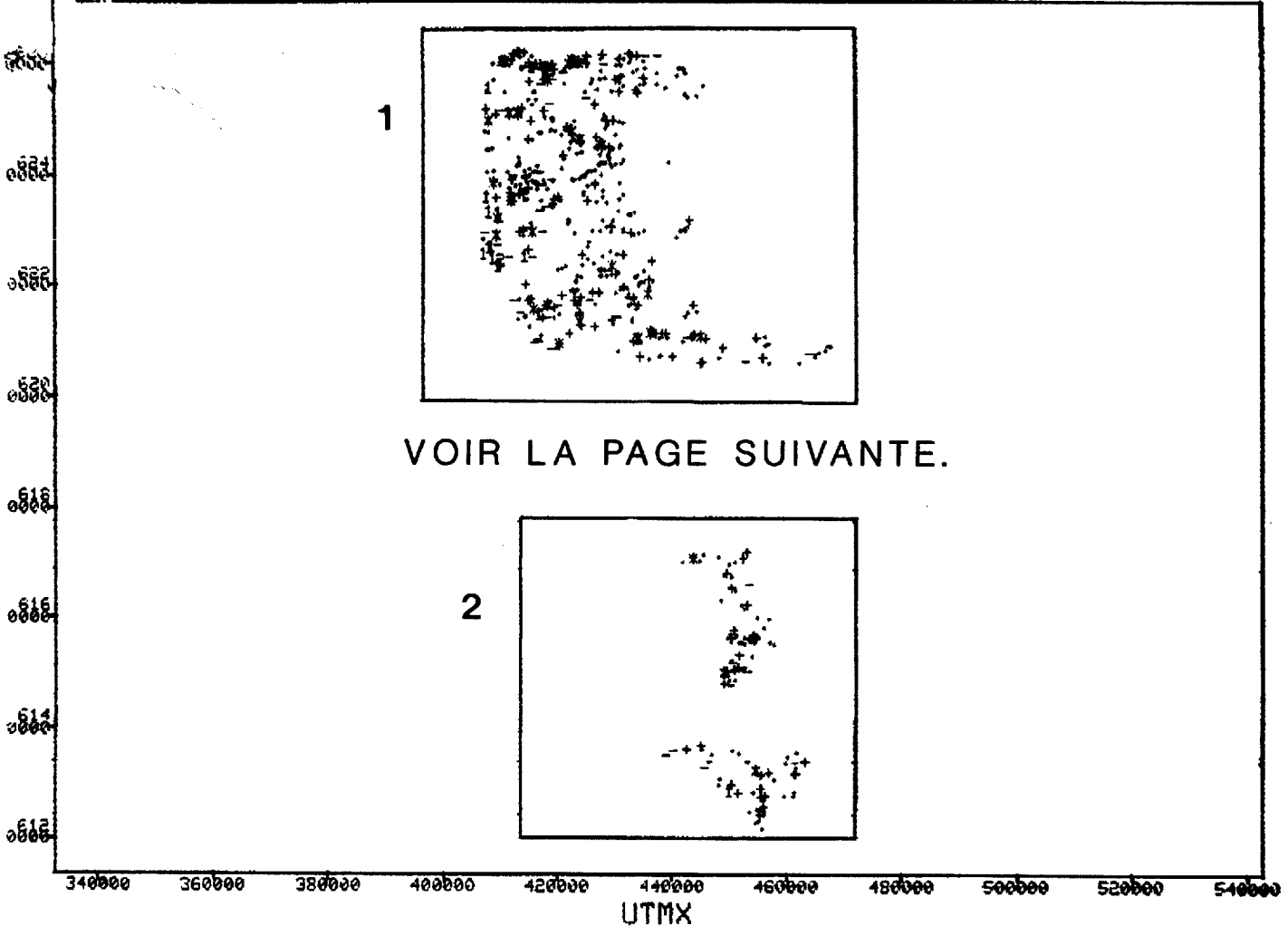


Mg

TENEURS (cct)

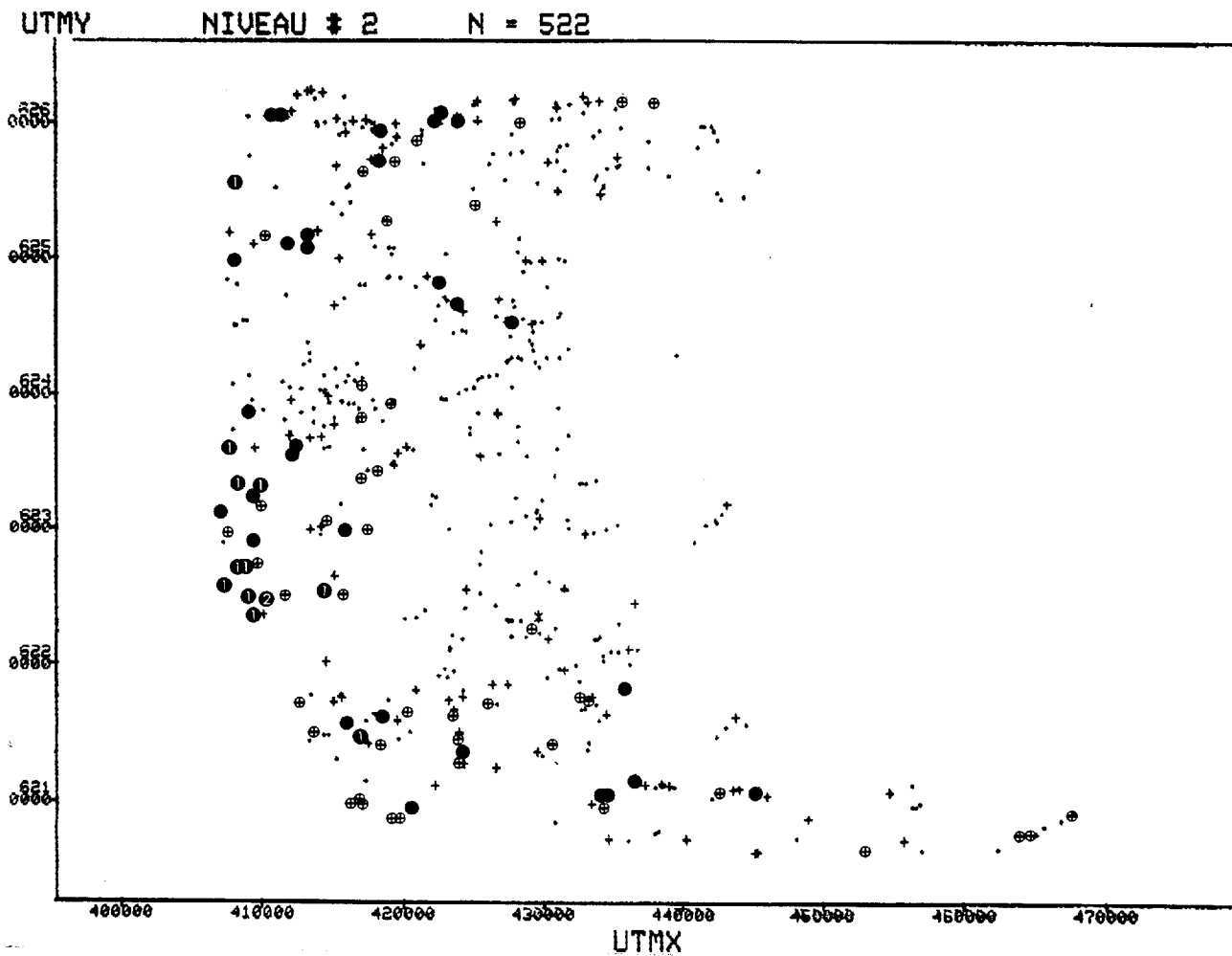
0 - 21	.
22 - 31	+
32 - 41	⊕
42 - 60	●
61 - 120	⦿
121 - 240	⊗

+ UTMX NIVEAU # 1 N = 629

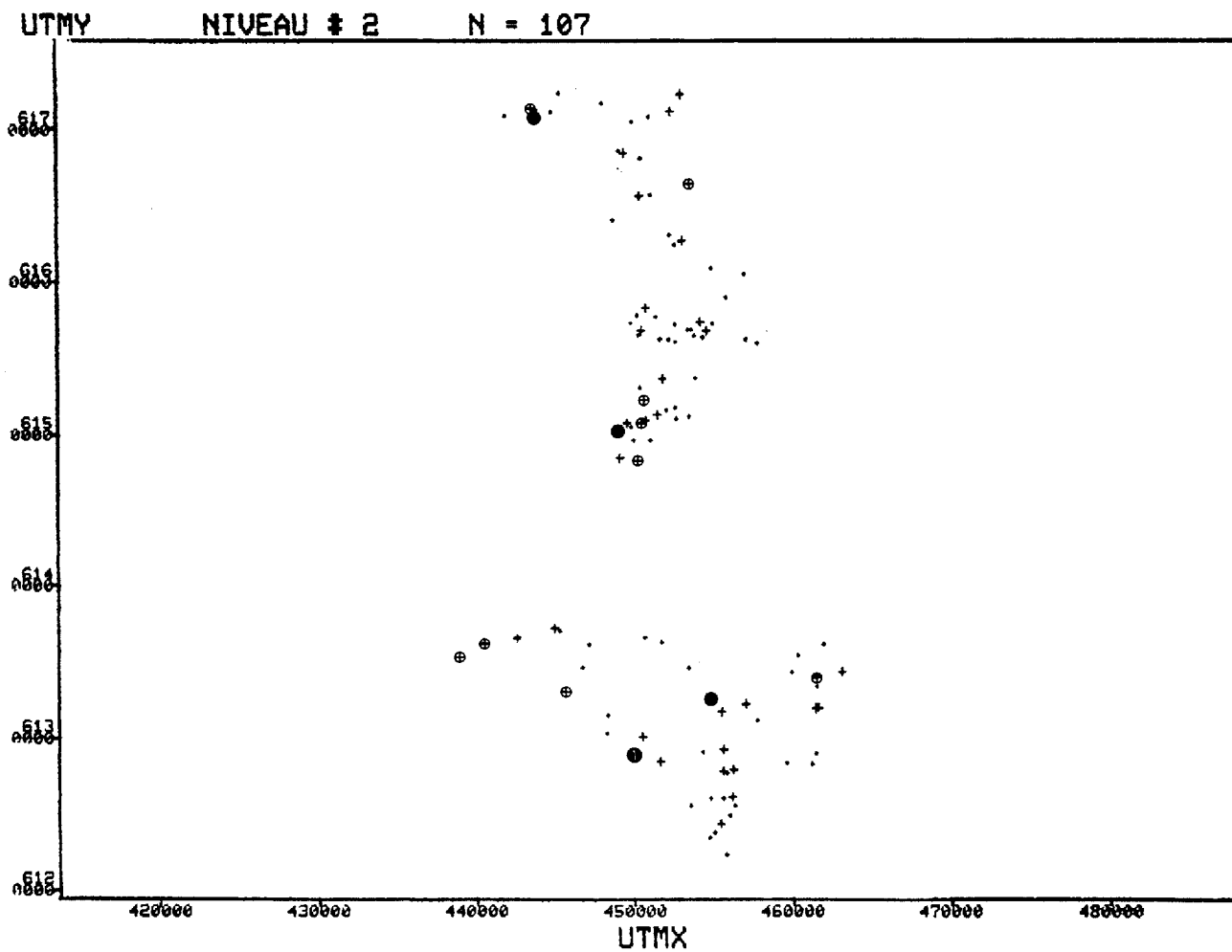


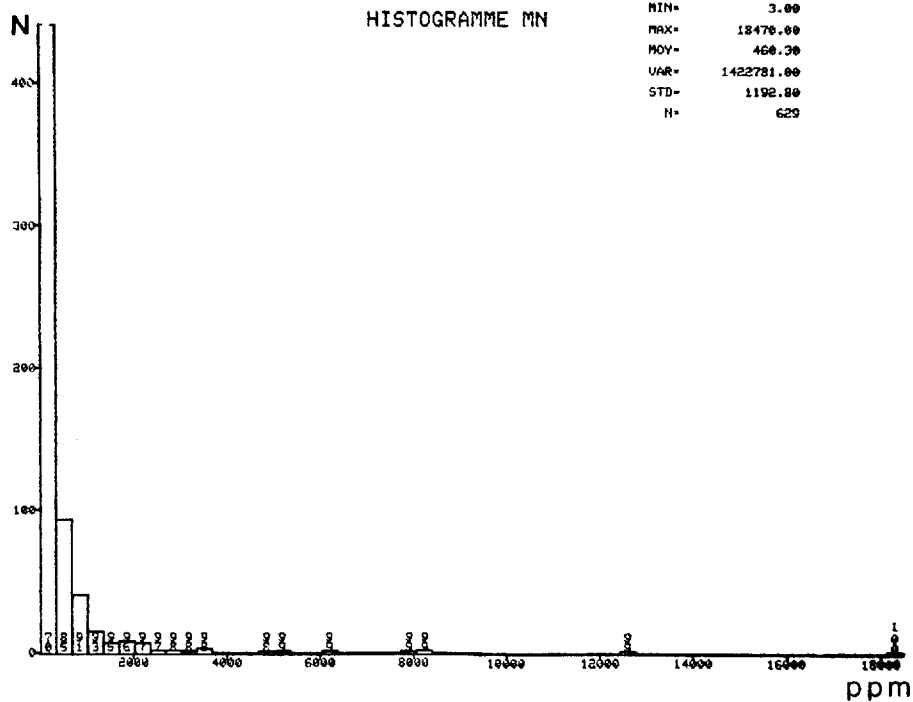
Mg

1



2



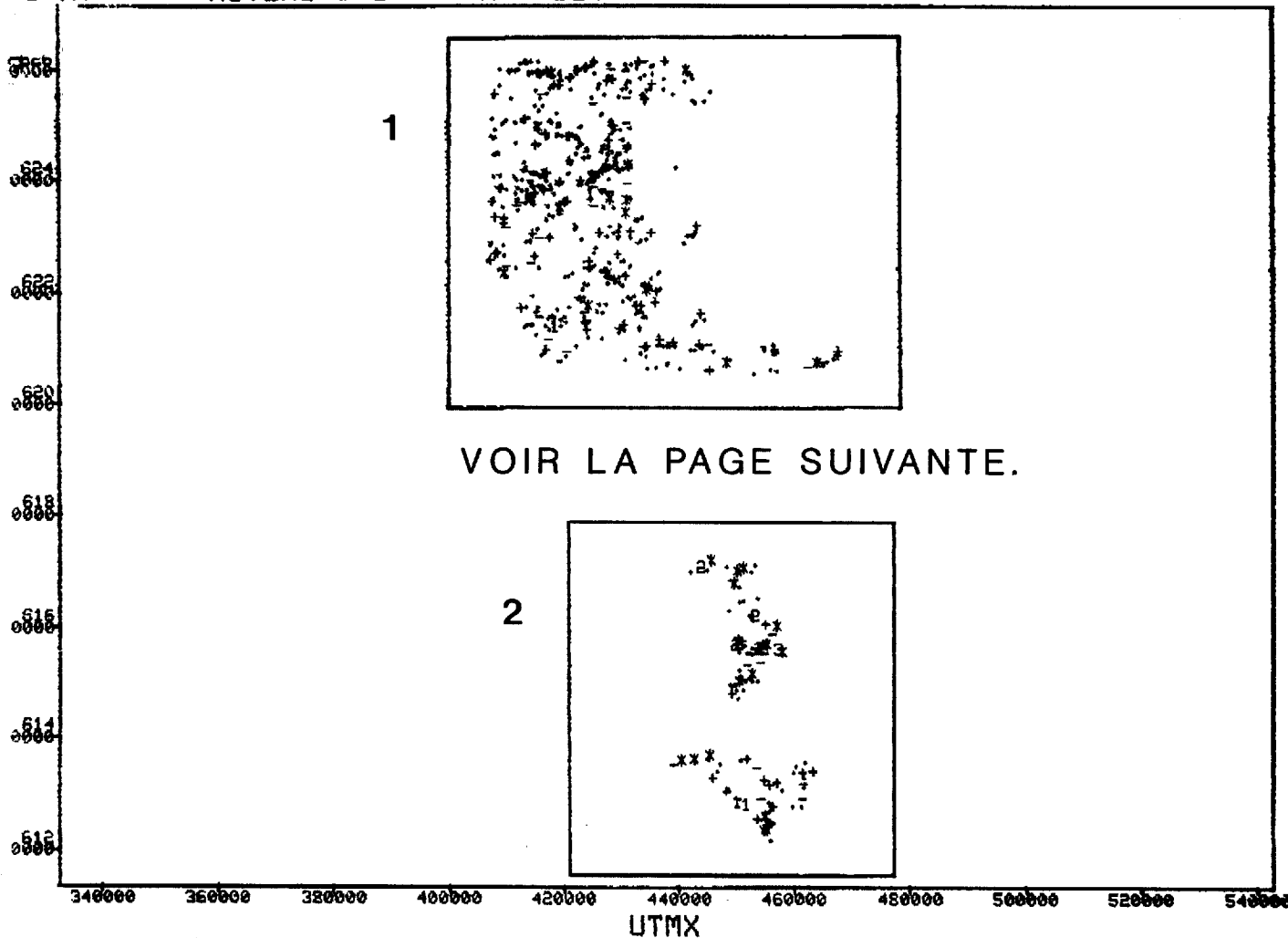


Mn

TENEURS (ppm)

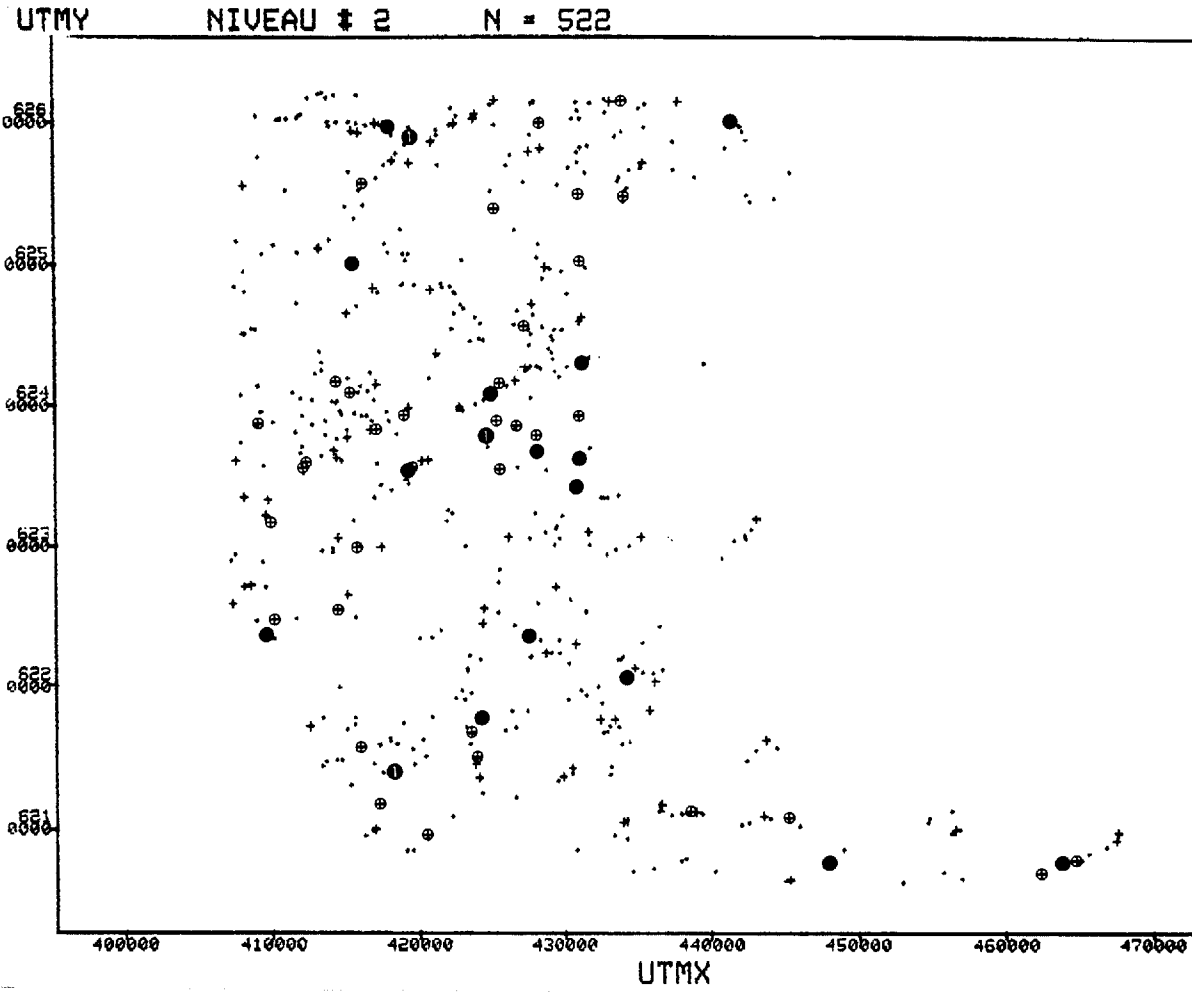
0 - 330	.
331 - 650	+
651 - 1100	⊕
1101 - 2660	●
2661 - 5320	⊙
5321 - 10640	⊗
10641 - 21280	⊘

UTMY NIVEAU # 1 N = 629

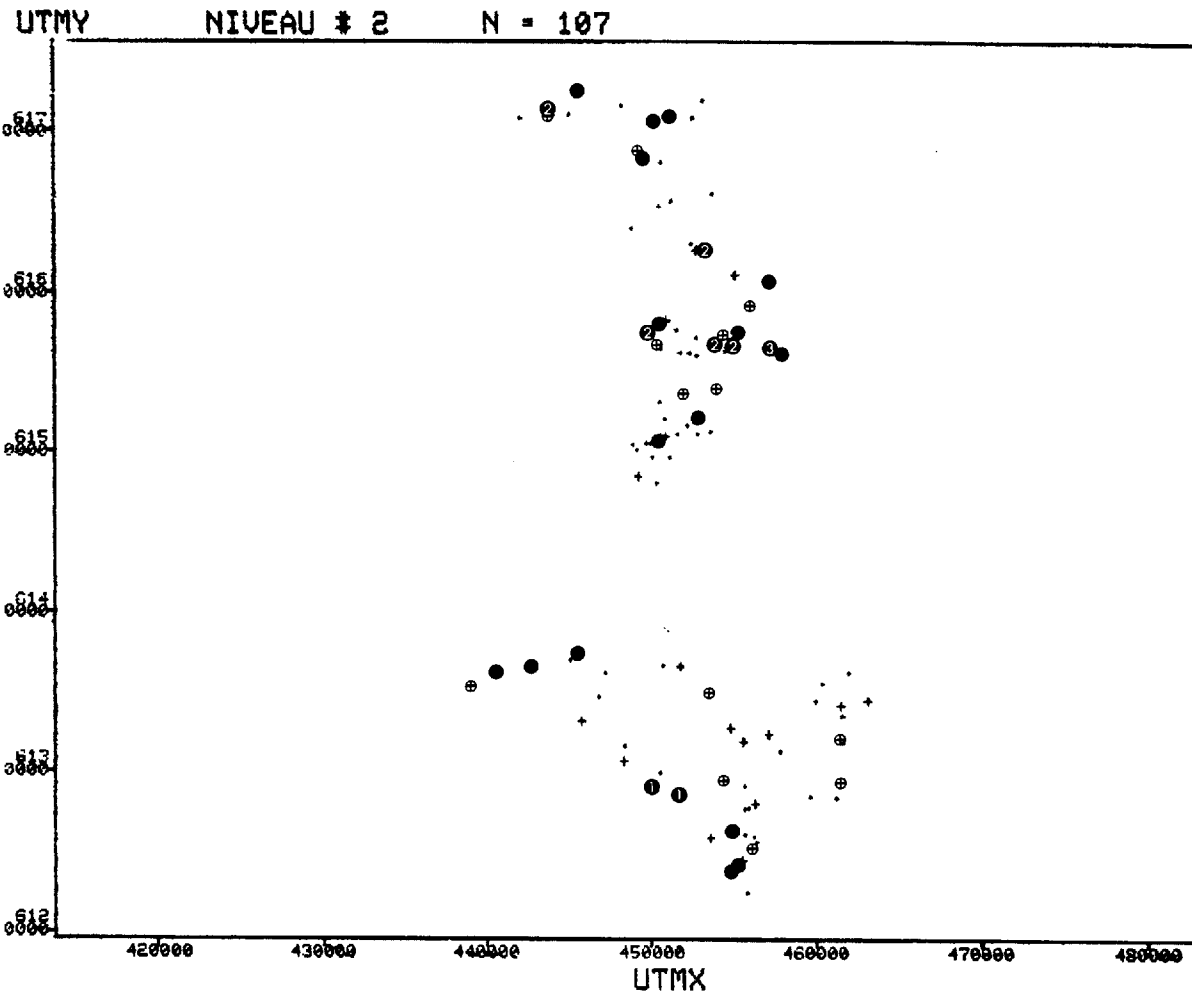


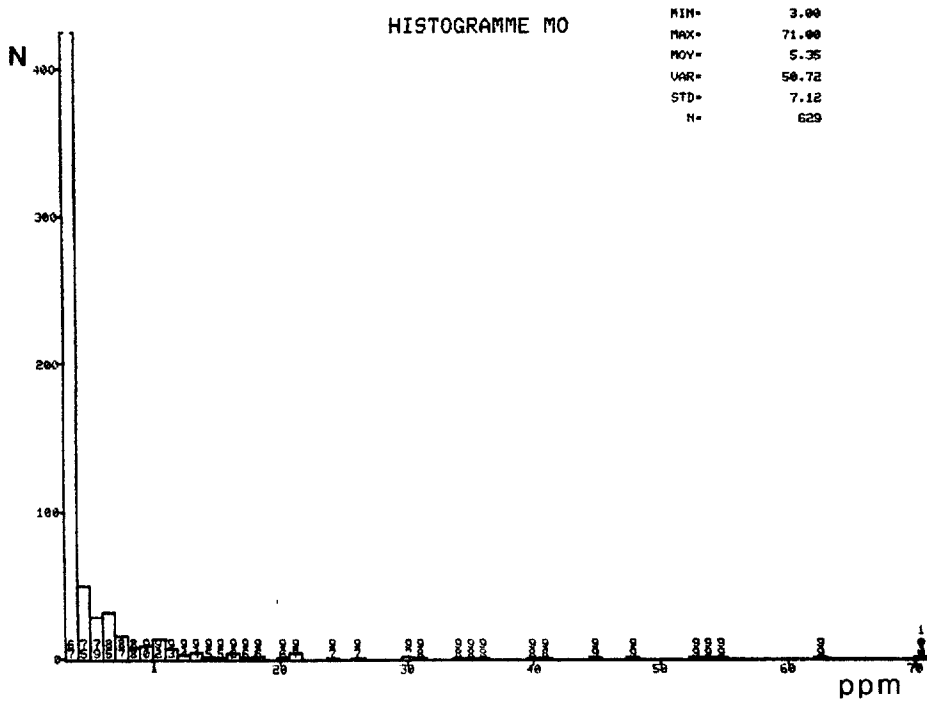
Mn

1



2



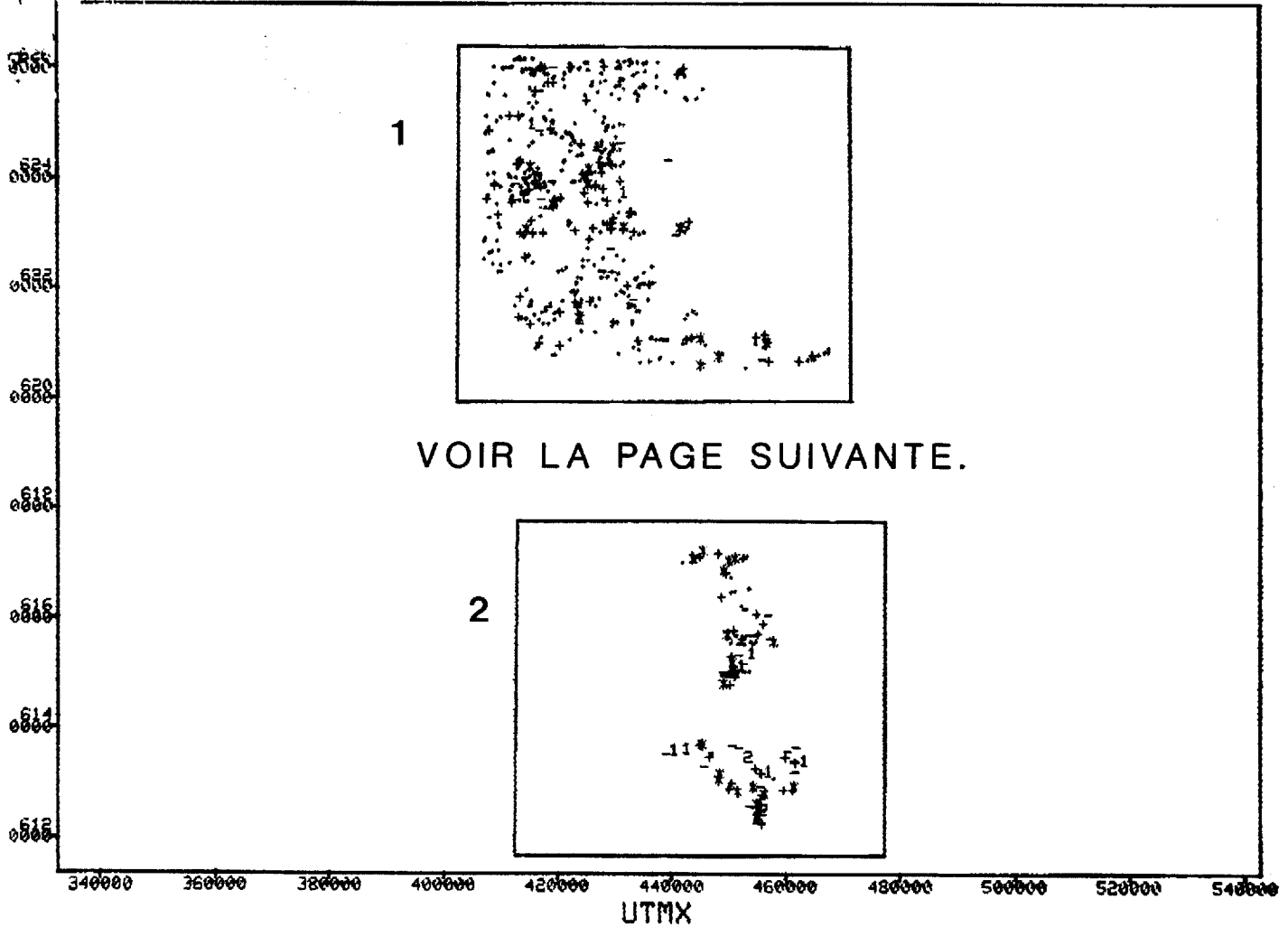


Mo

TENEURS (ppm)

- 0 - 3 .
- 4 - 6 +
- 7 - 10 ⊕
- 11 - 30 ●
- 31 - 60 ⊙
- 61 - 120 ⊗

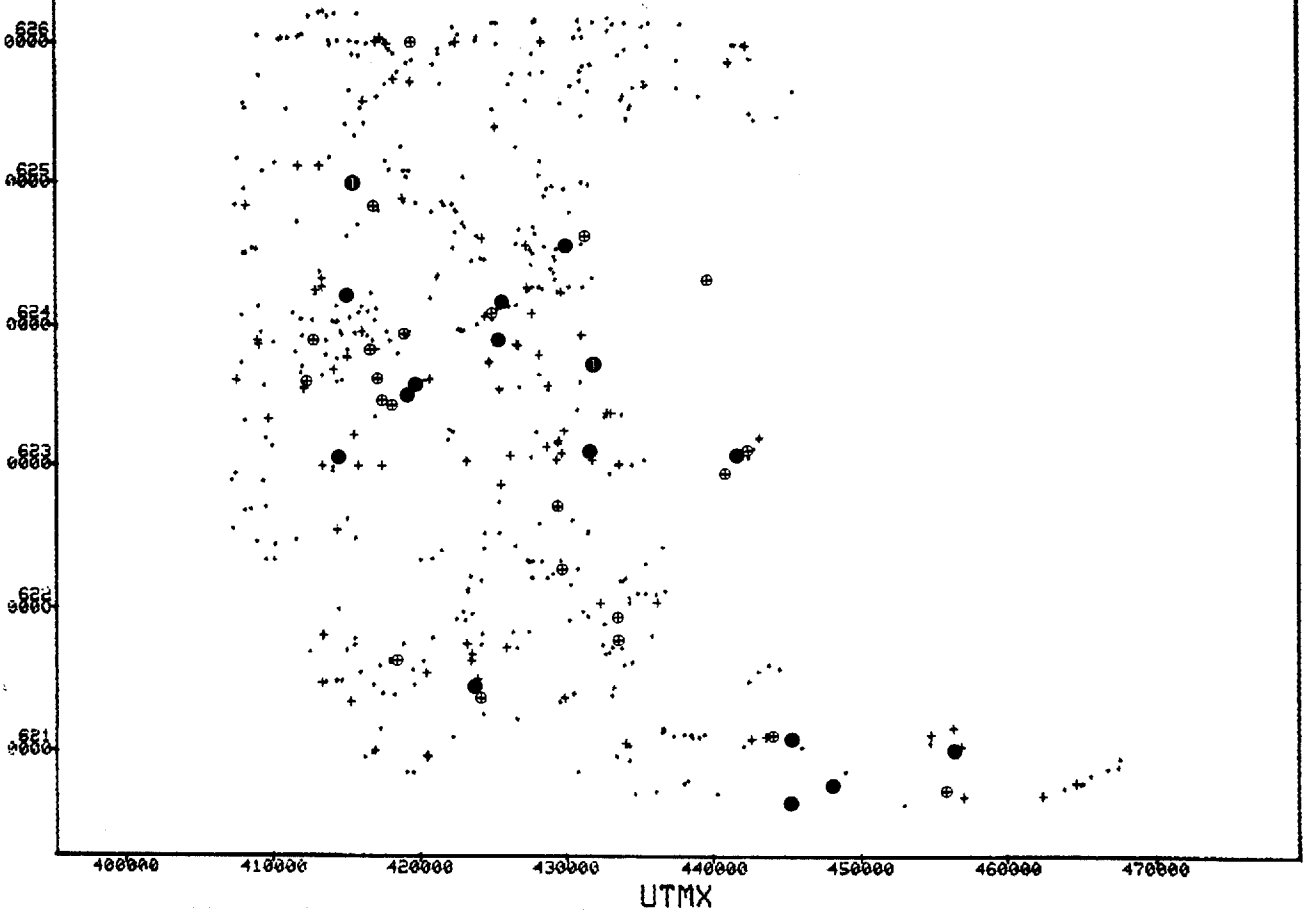
UTMY NIVEAU # 1 N = 629



Mo

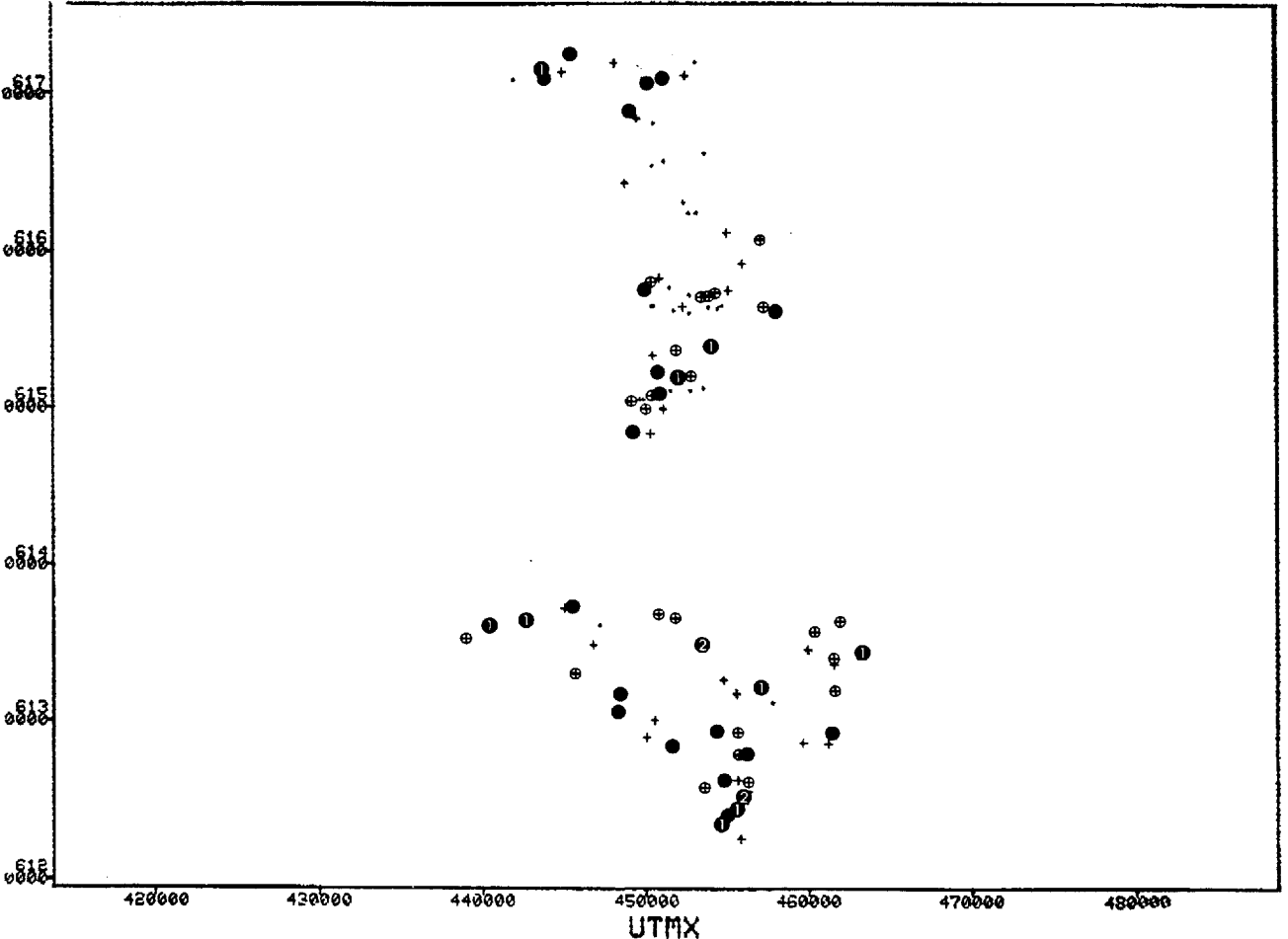
UTMY NIVEAU # 2 N = 522

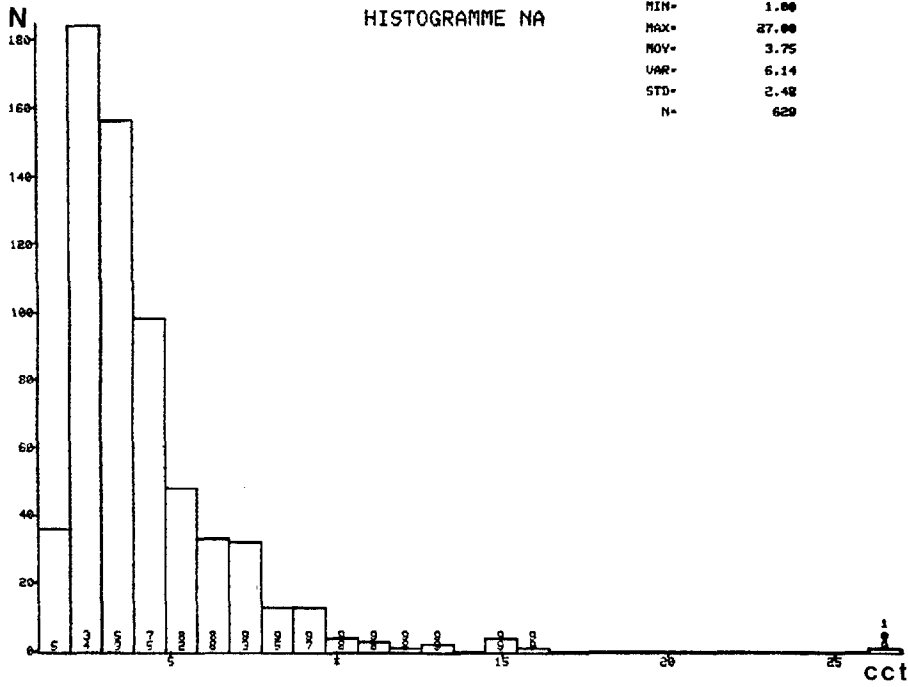
1



UTMY NIVEAU # 2 N = 107

2

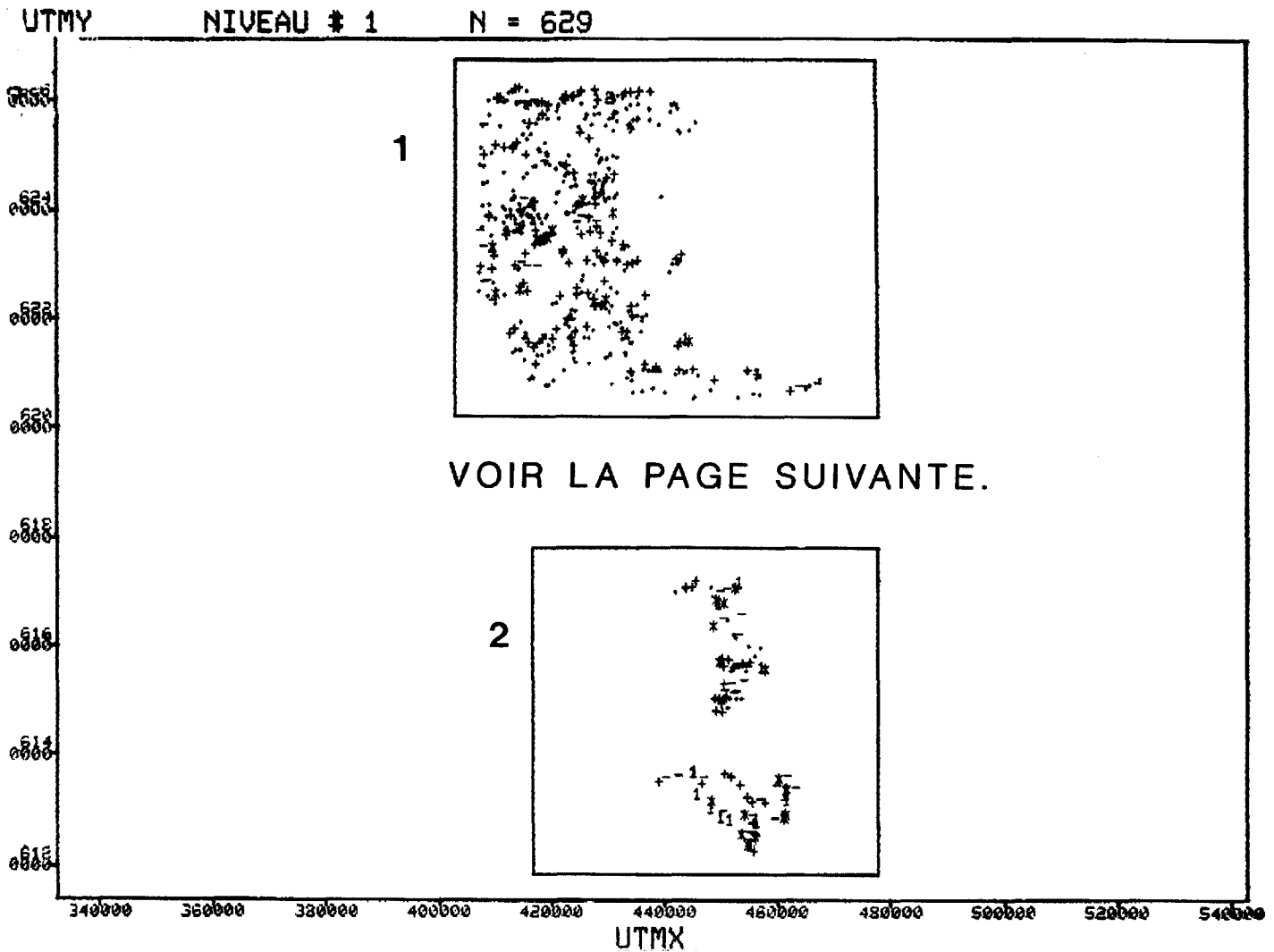




Na

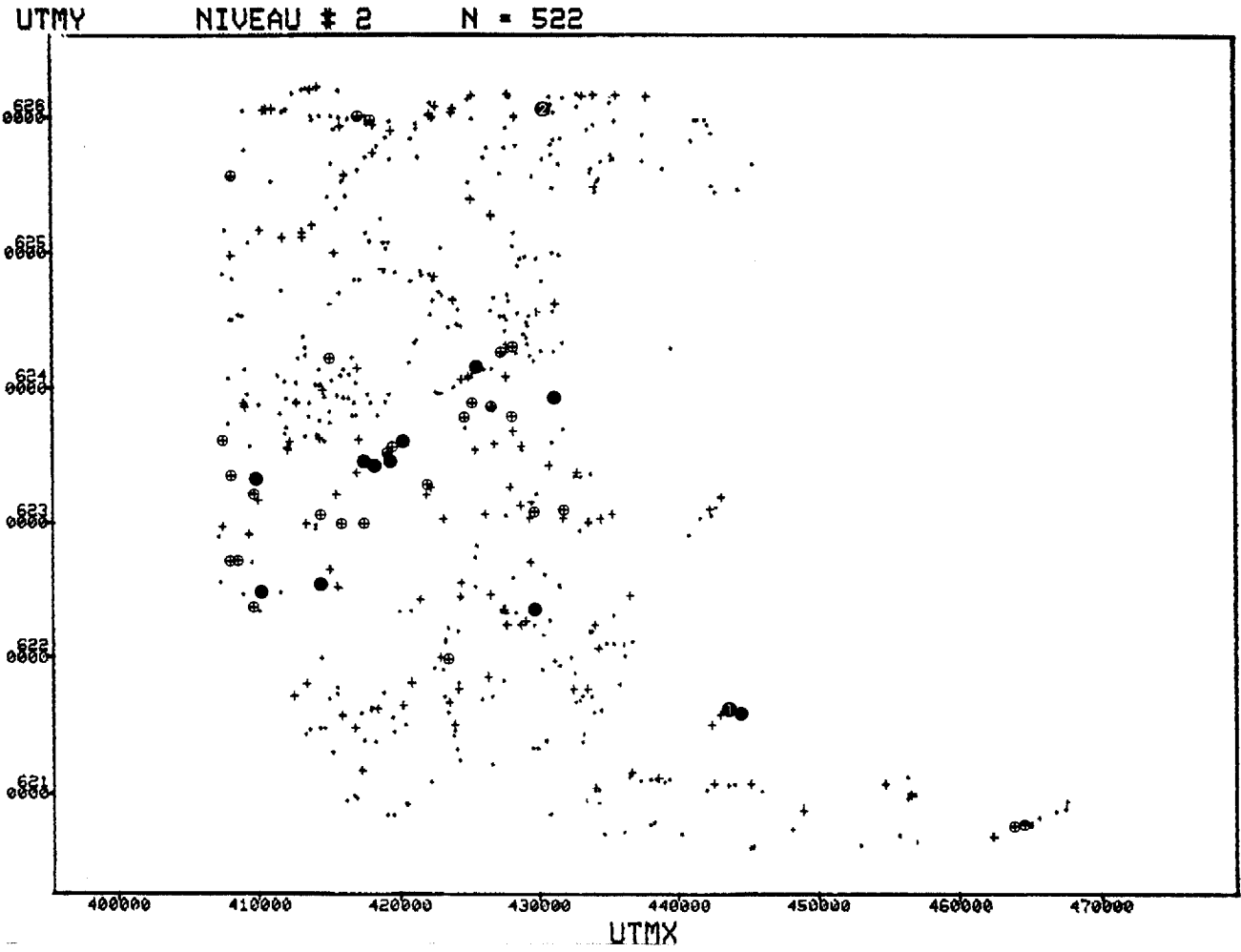
TENEURS (cct)

0 - 3	.
4 - 5	+
6 - 7	⊕
8 - 9	●
10 - 18	⦿
19 - 36	⊗

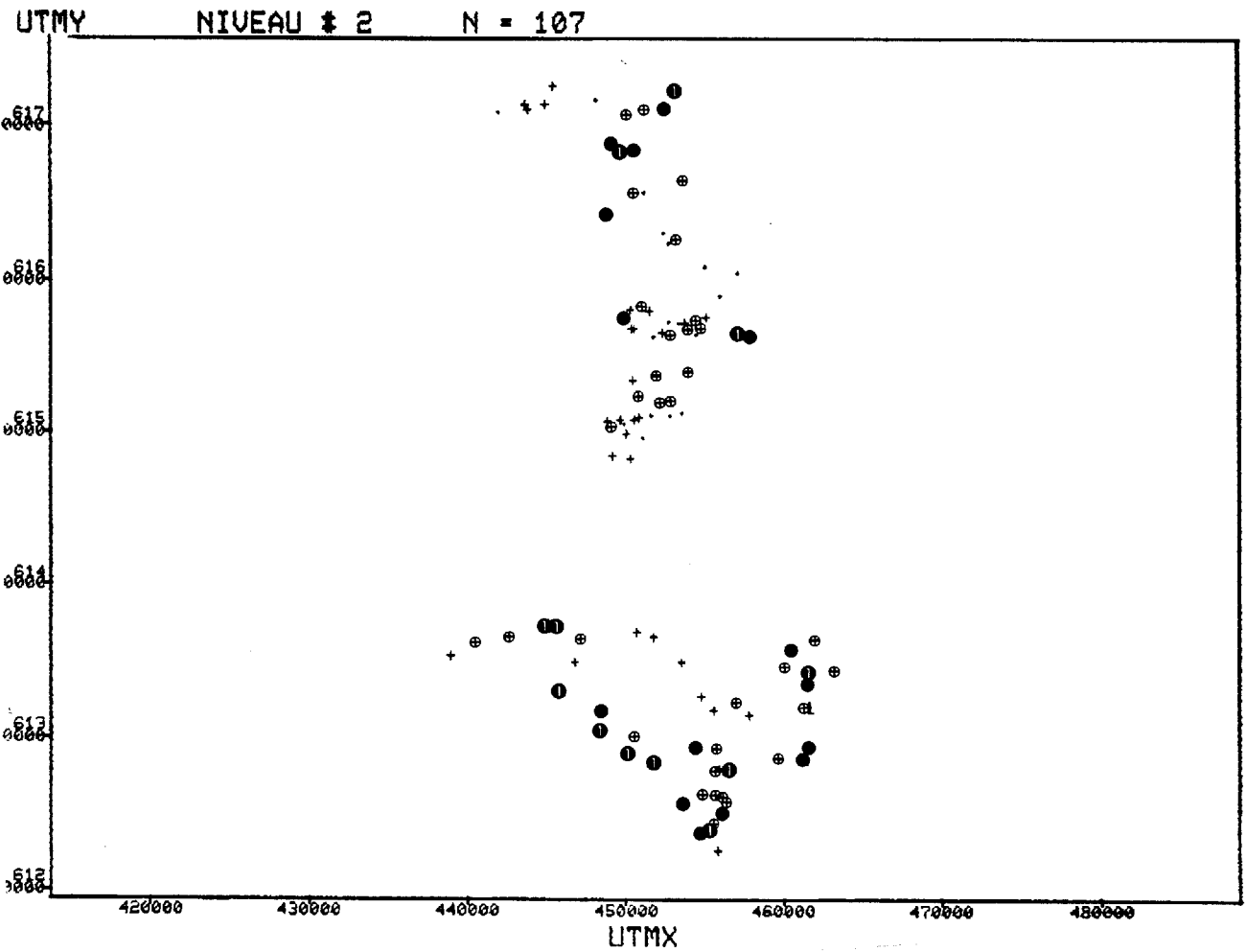


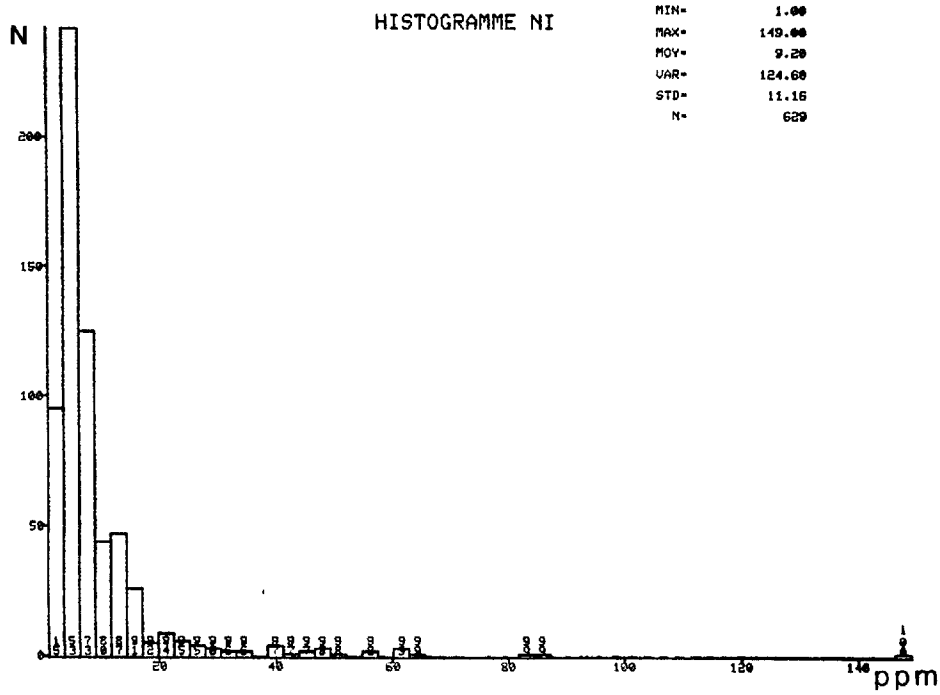
Na

1



2

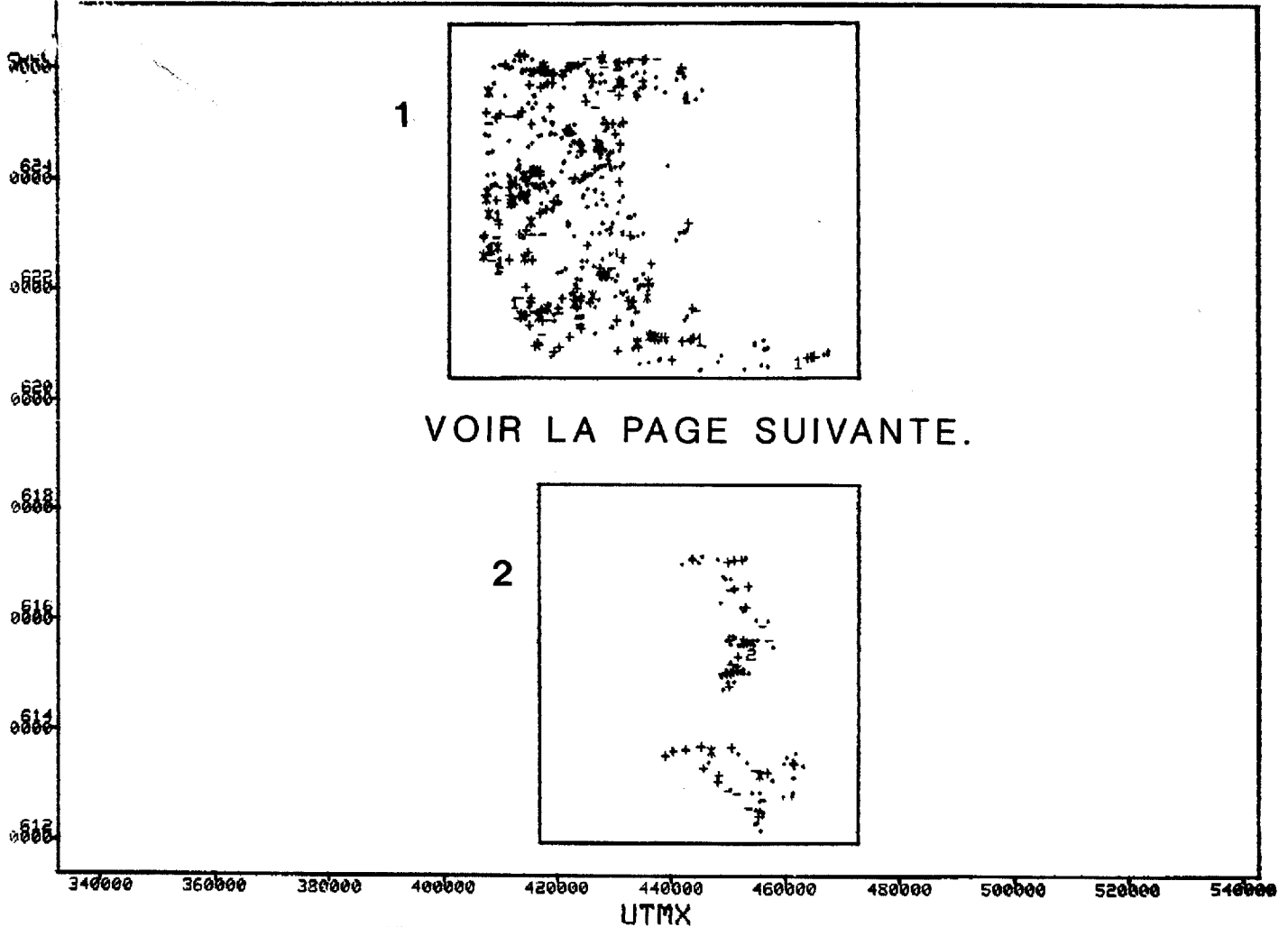




Ni
TENEURS (ppm)

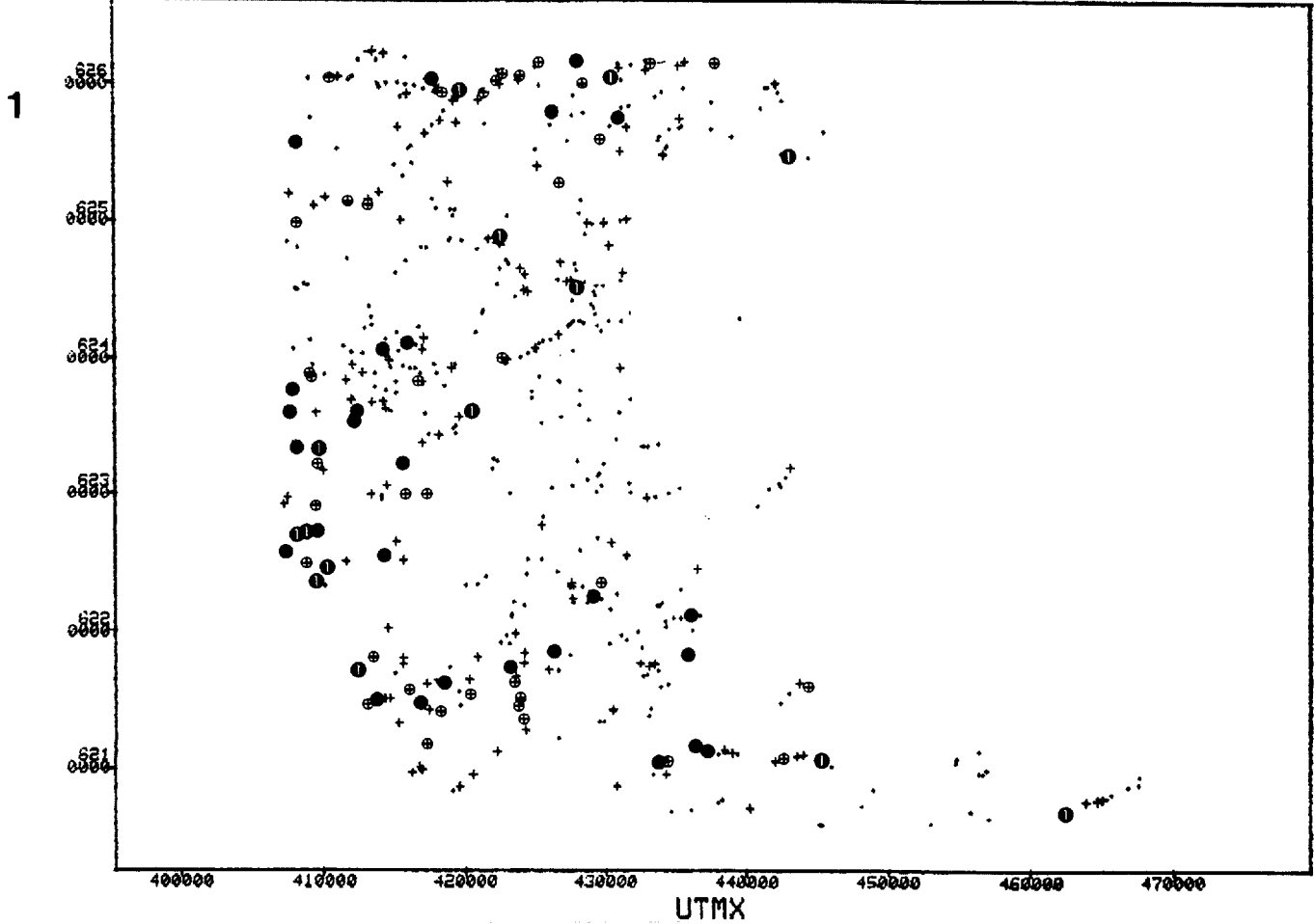
0 - 7	.
8 - 12	+
13 - 19	⊕
20 - 45	●
46 - 90	⊙
91 - 180	⊗

UTMY NIVEAU # 1 N = 629

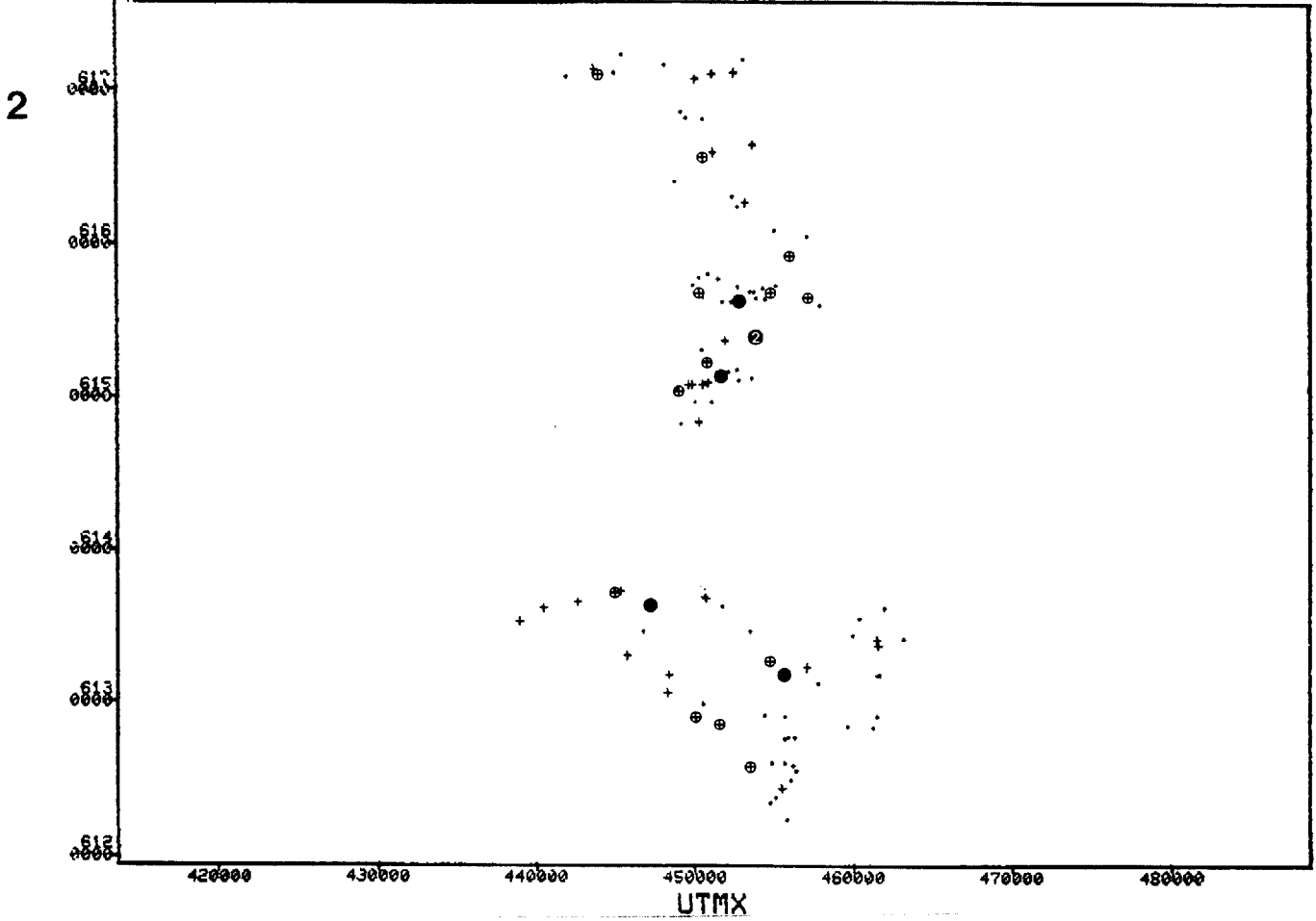


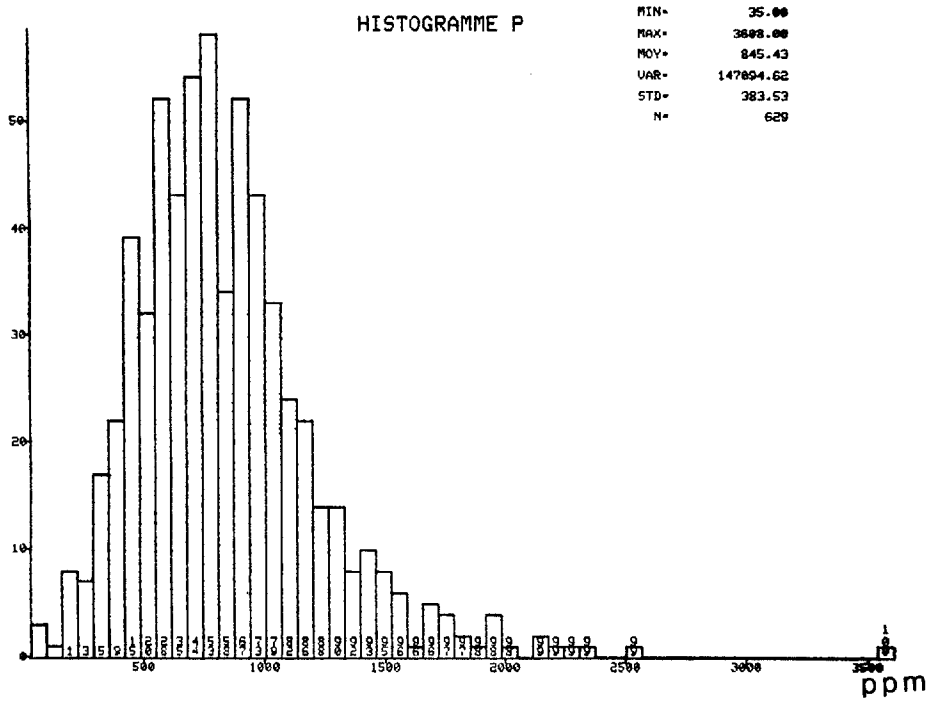
Ni

UTMY NIVEAU # 2 N = 522



UTMY NIVEAU # 2 N = 107



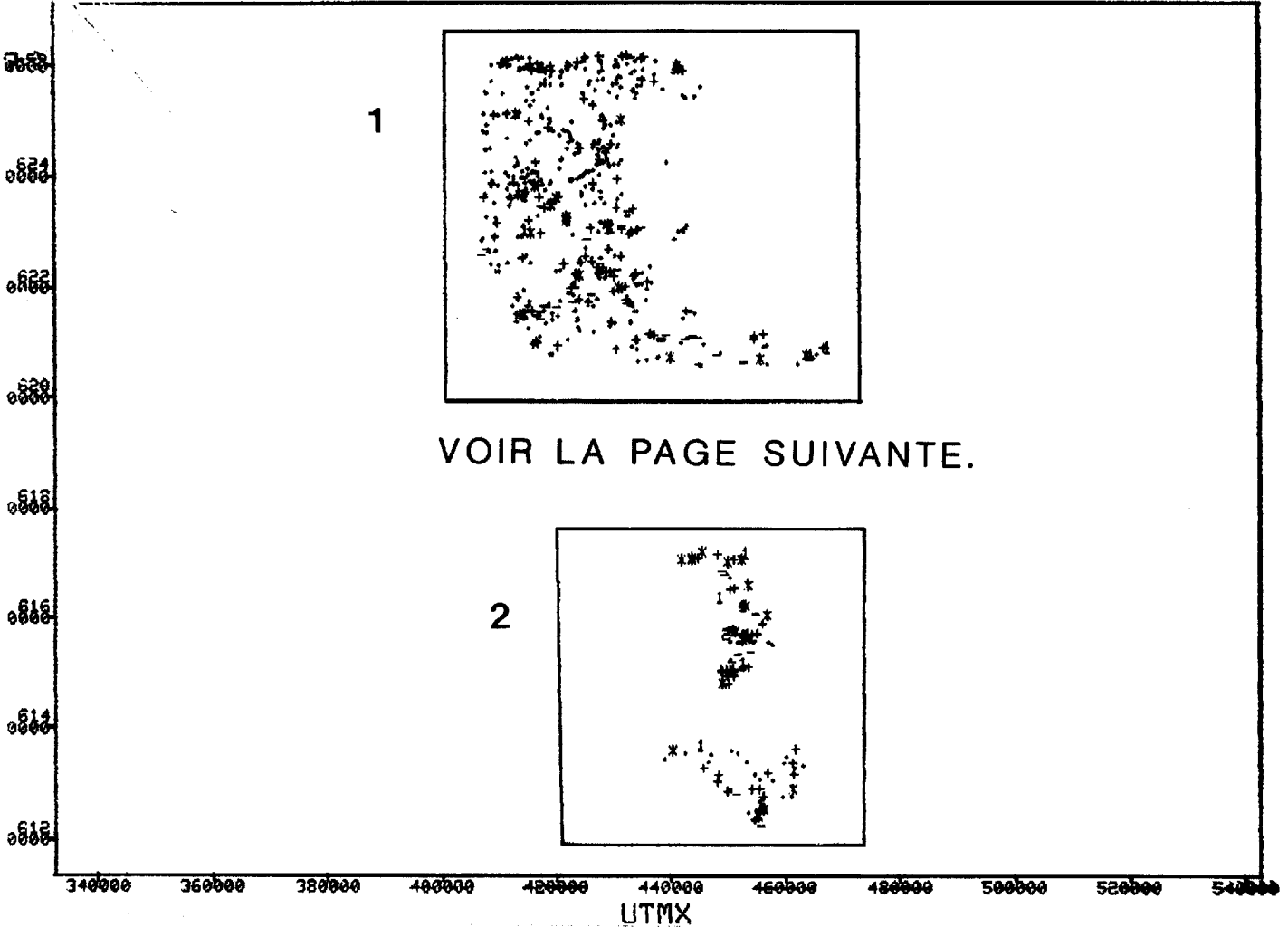


P

TENEURS (ppm)

0 - 910	.
911 - 1160	+
1161 - 1380	⊕
1381 - 1800	●
1801 - 3600	⊙
3601 - 7200	⊗

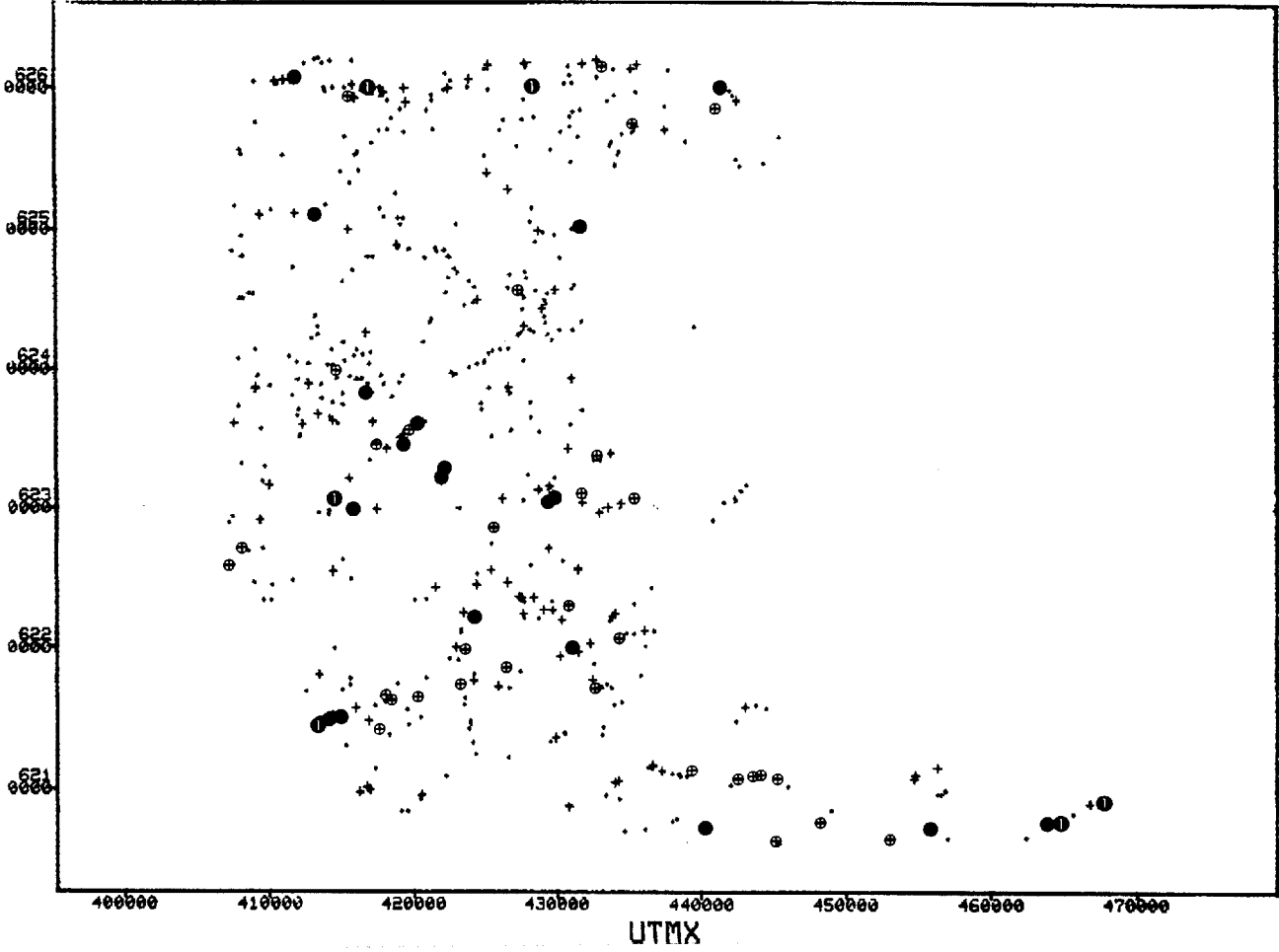
UTMY NIVEAU # 1 N = 629



P

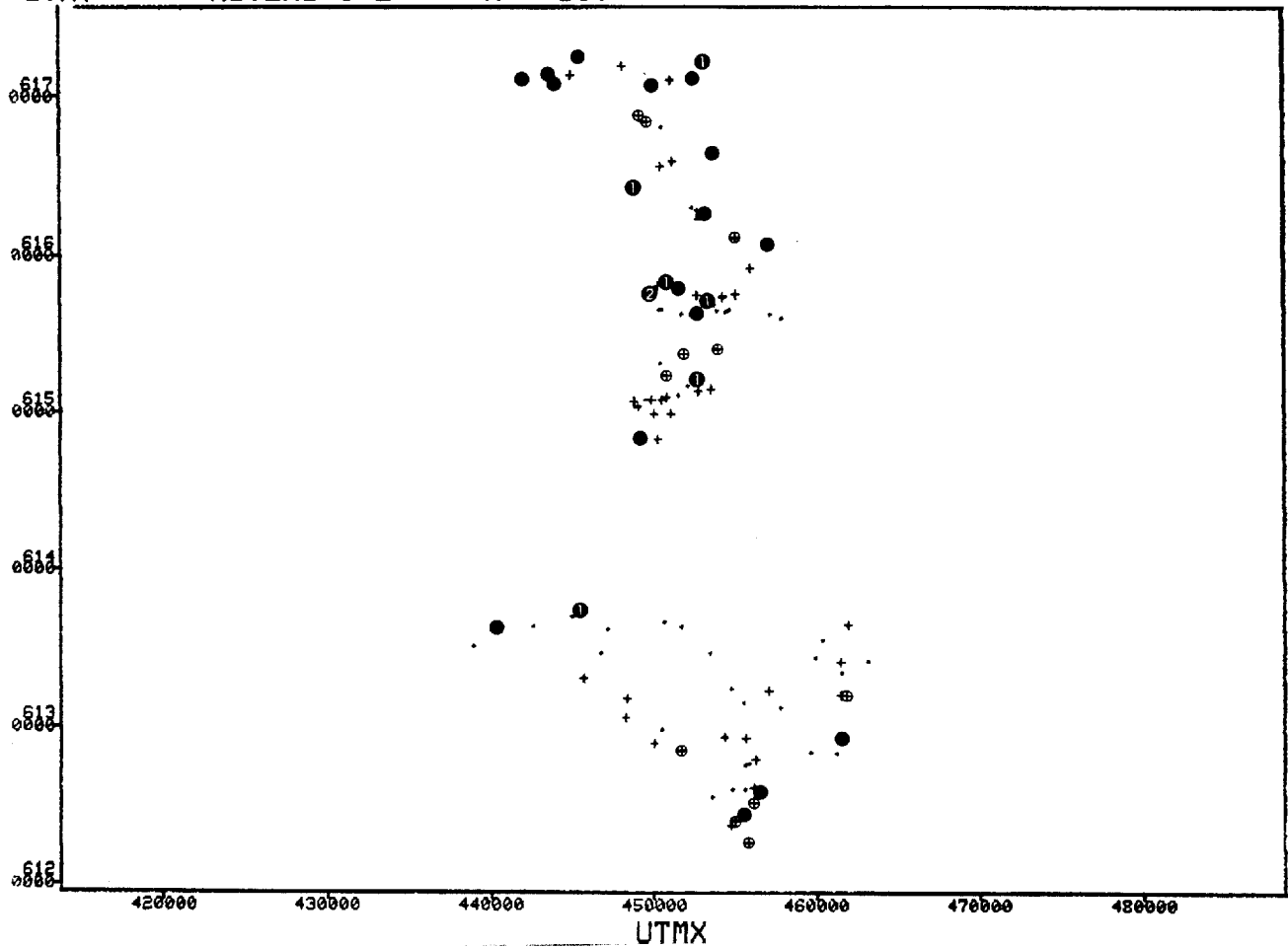
UTMY NIVEAU # 2 N = 522

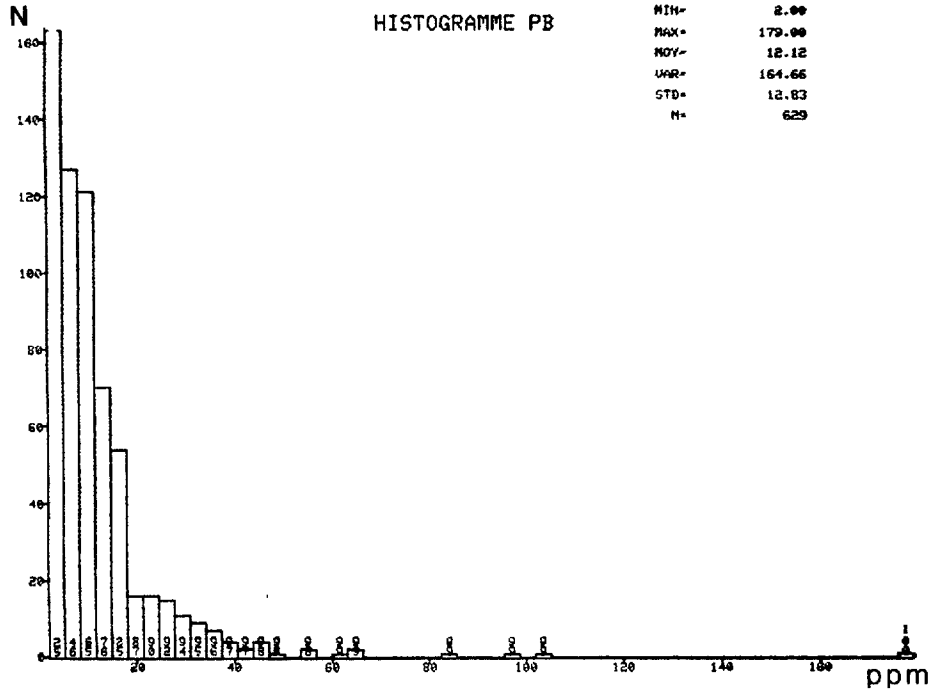
1



UTMY NIVEAU # 2 N = 107

2



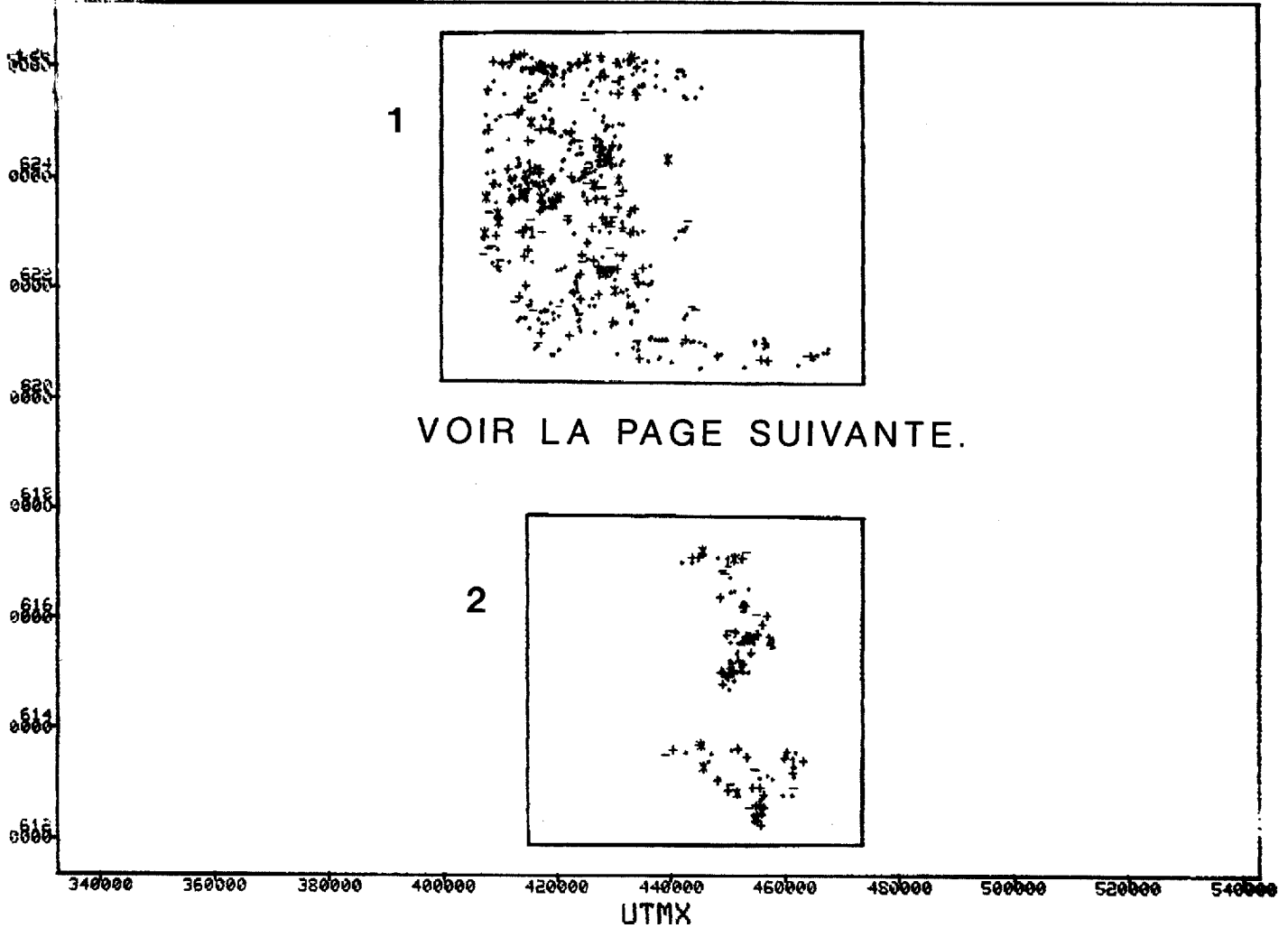


Pb

TENEURS (ppm)

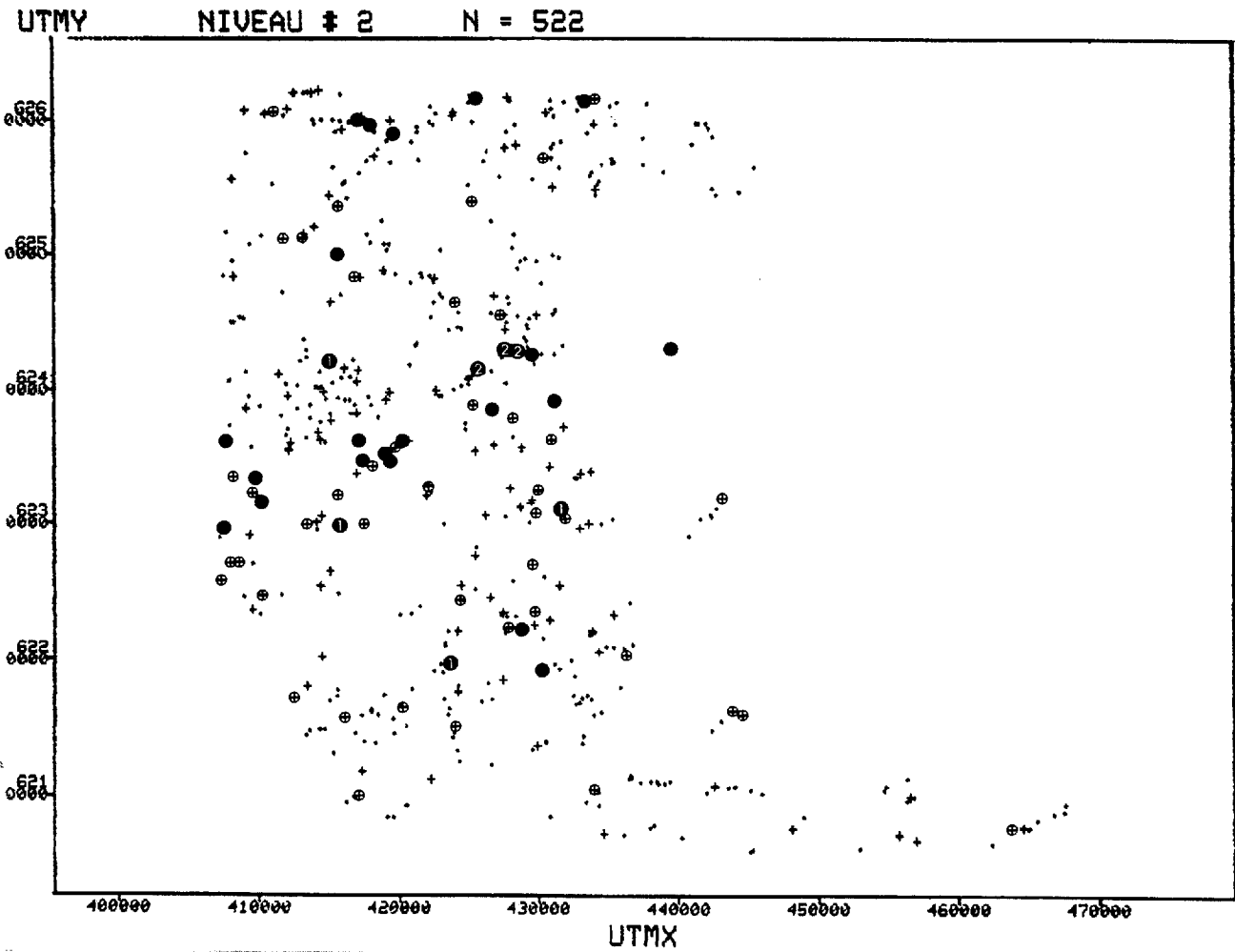
0 - 10	.
11 - 16	+
17 - 27	⊕
28 - 43	●
44 - 86	⊙
87 - 172	⊗
173 - 344	⊗

UTMY NIVEAU # 1 N = 629

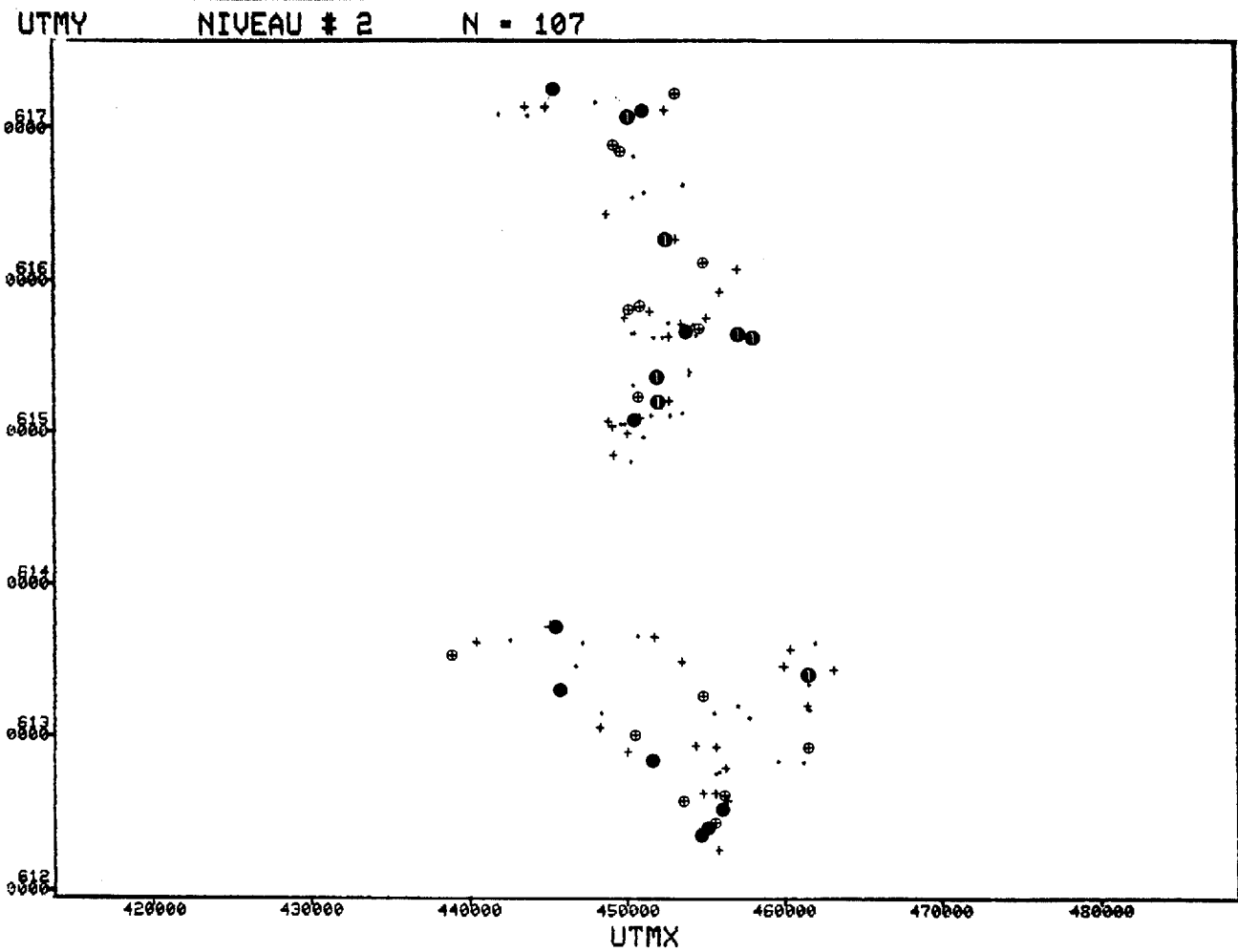


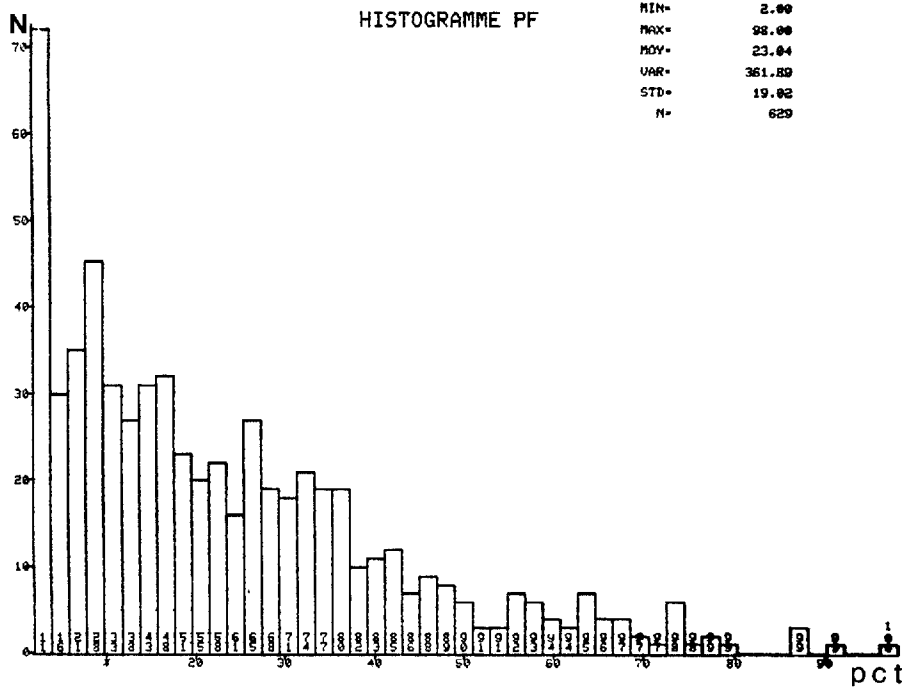
Pb

1



2



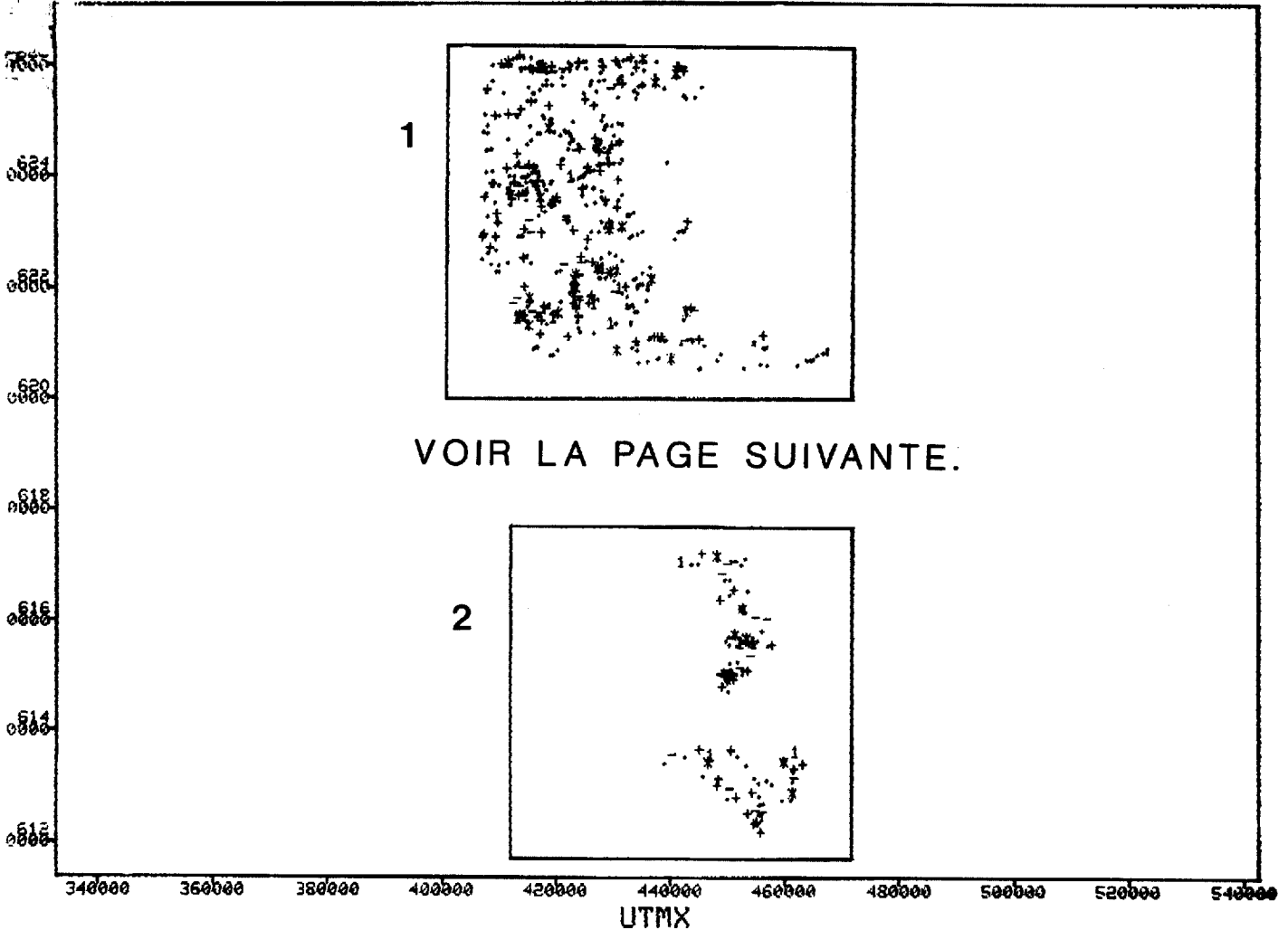


PF

TENEURS (pct)

- 0 - 26 .
- 27 - 41 +
- 42 - 56 ⊕
- 57 - 72 ●
- 73 - 100 ⊙

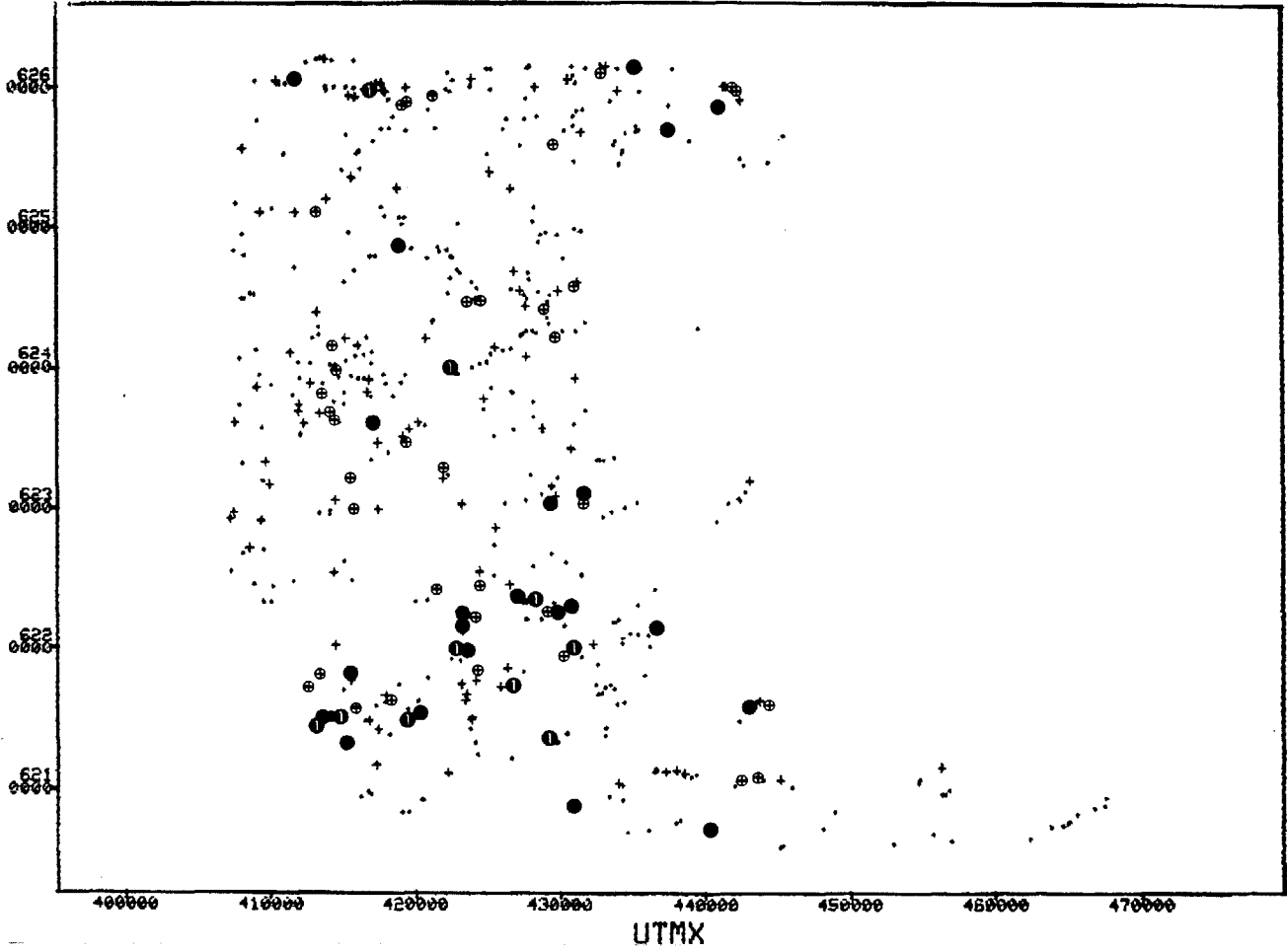
UTMY NIVEAU # 1 N = 629



PF

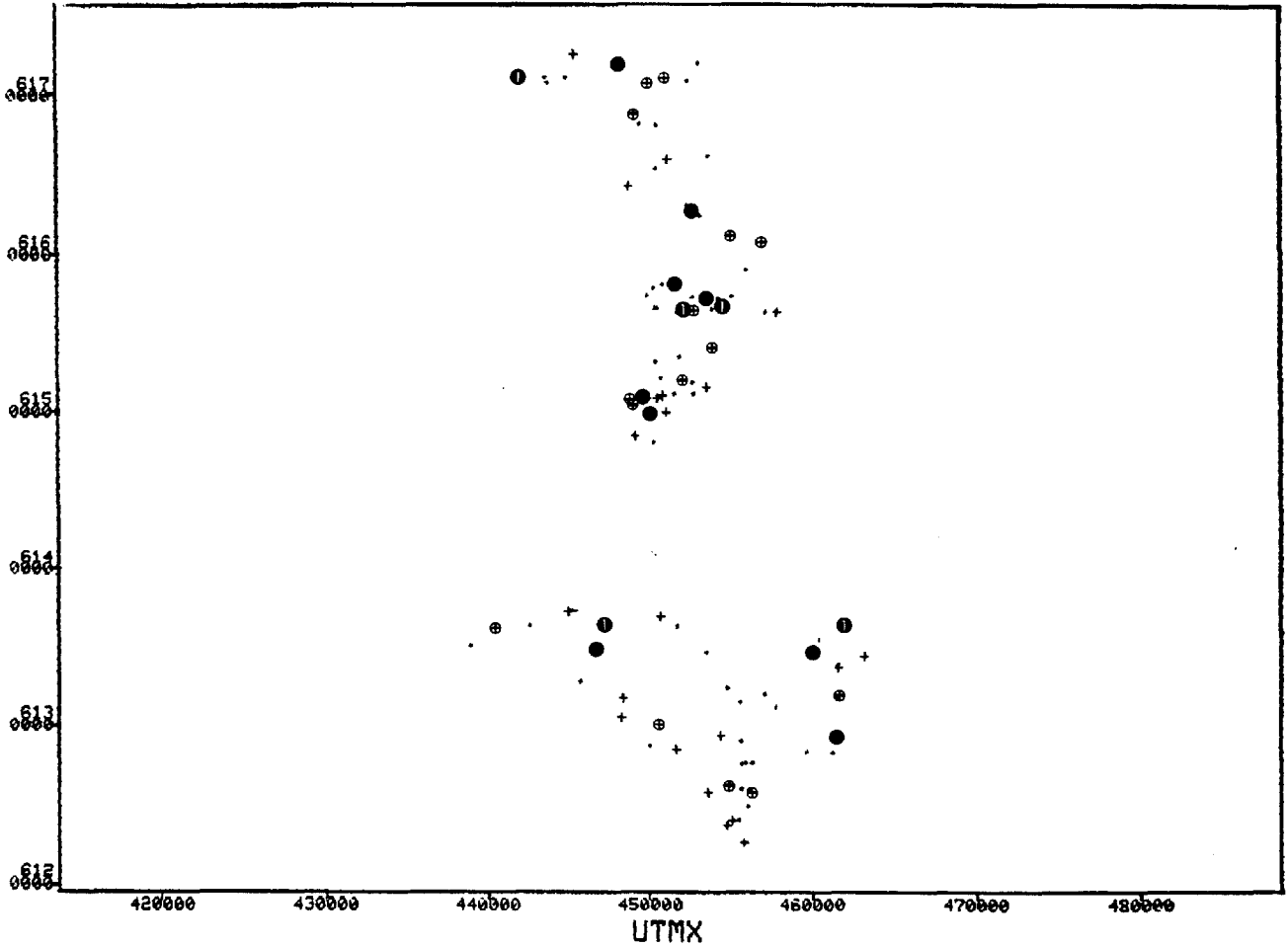
UTMY NIVEAU # 2 N = 522

1



UTMY NIVEAU # 2 N = 107

2



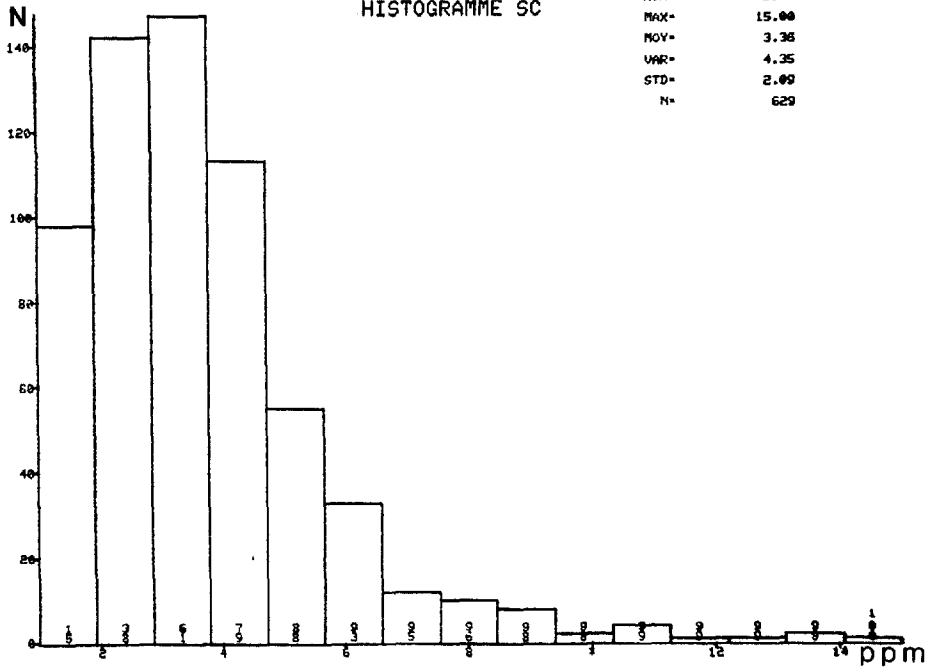
Sc

TENEURS (ppm)

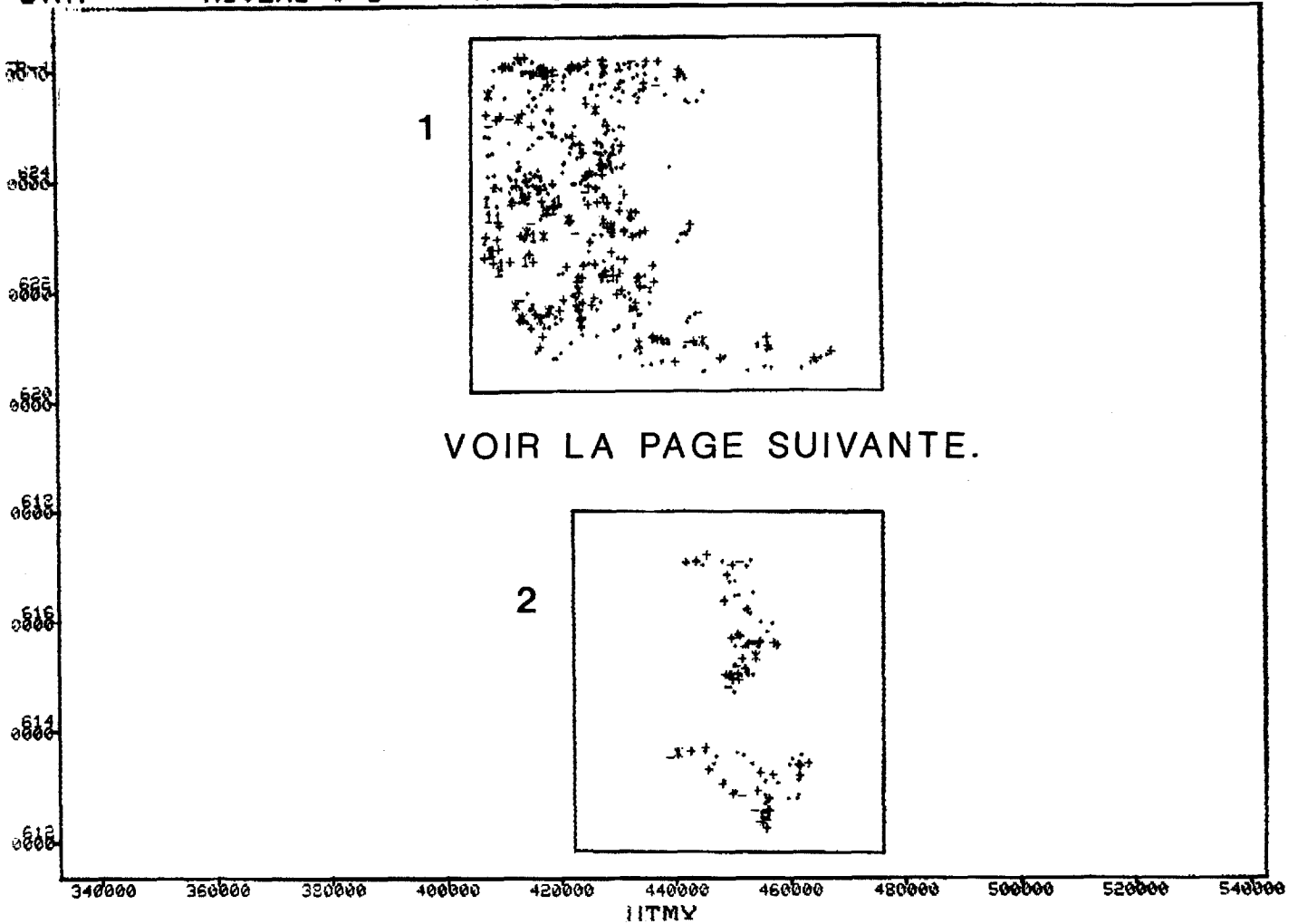
- 0 - 3 .
- 4 - 5 +
- 6 - 6 ⊕
- 7 - 8 ●
- 9 - 16 ⊙

HISTOGRAMME SC

MIN= 1.00
MAX= 15.00
MOY= 3.36
VAR= 4.35
STD= 2.09
N= 629

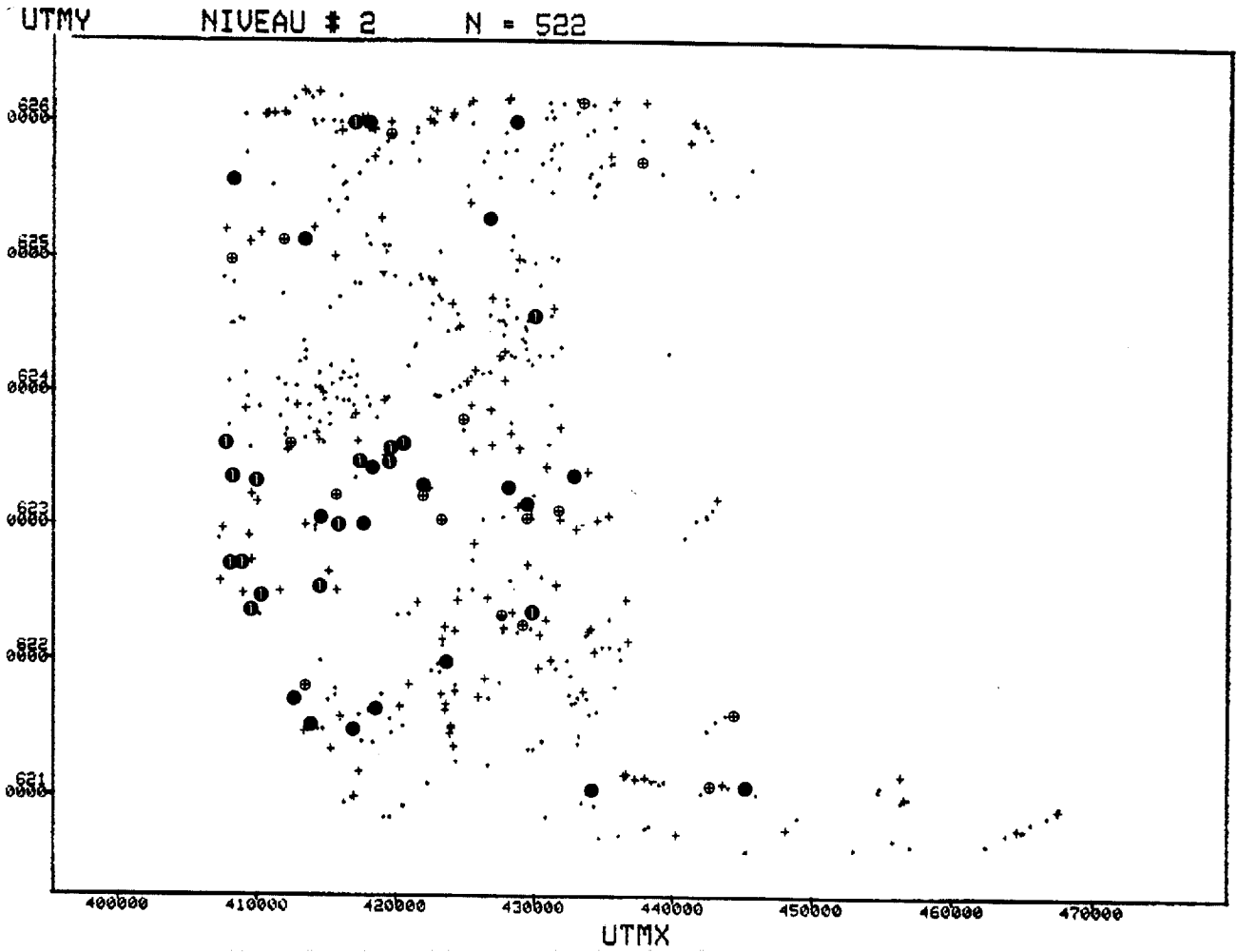


UTMY NIVEAU # 1 N = 629

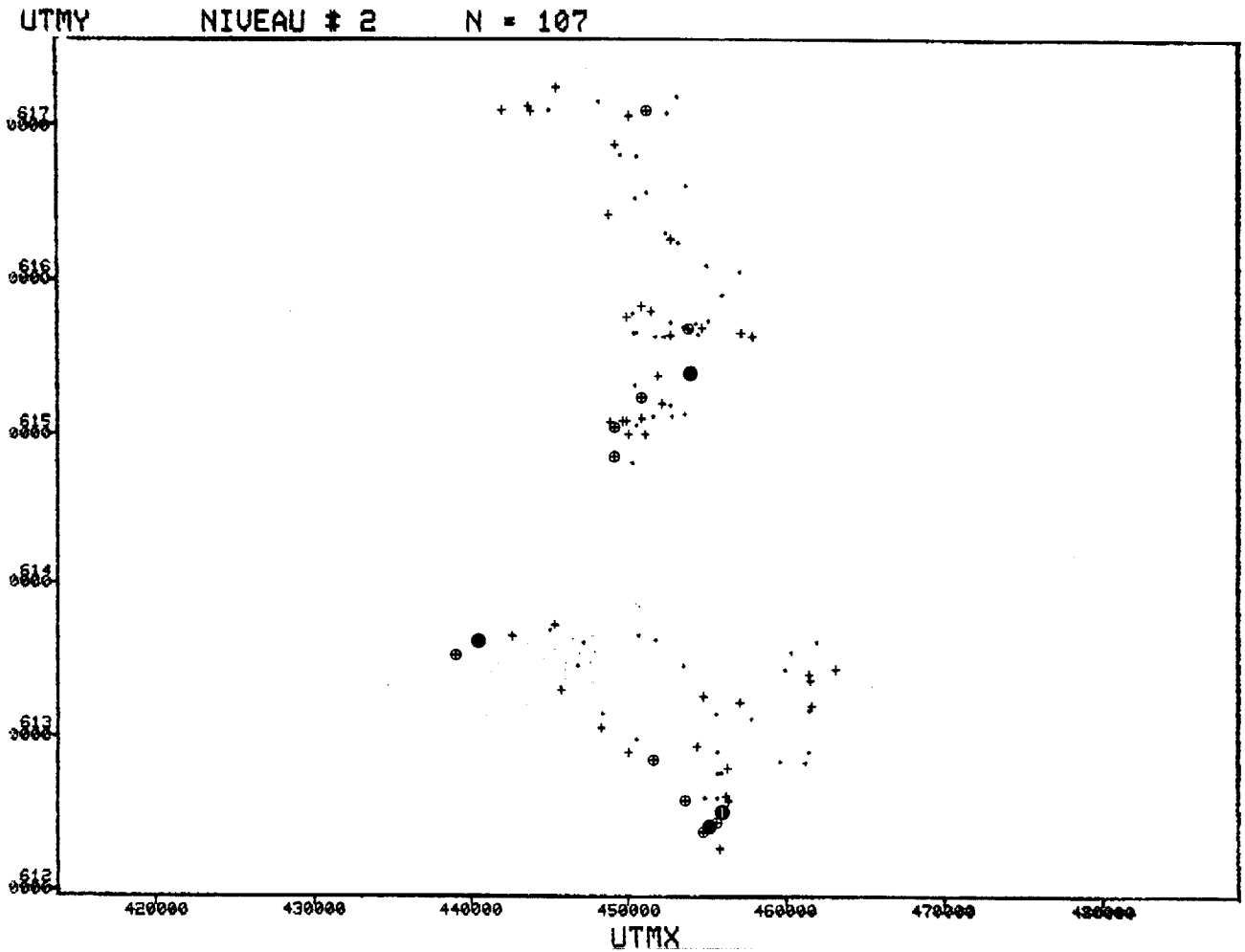


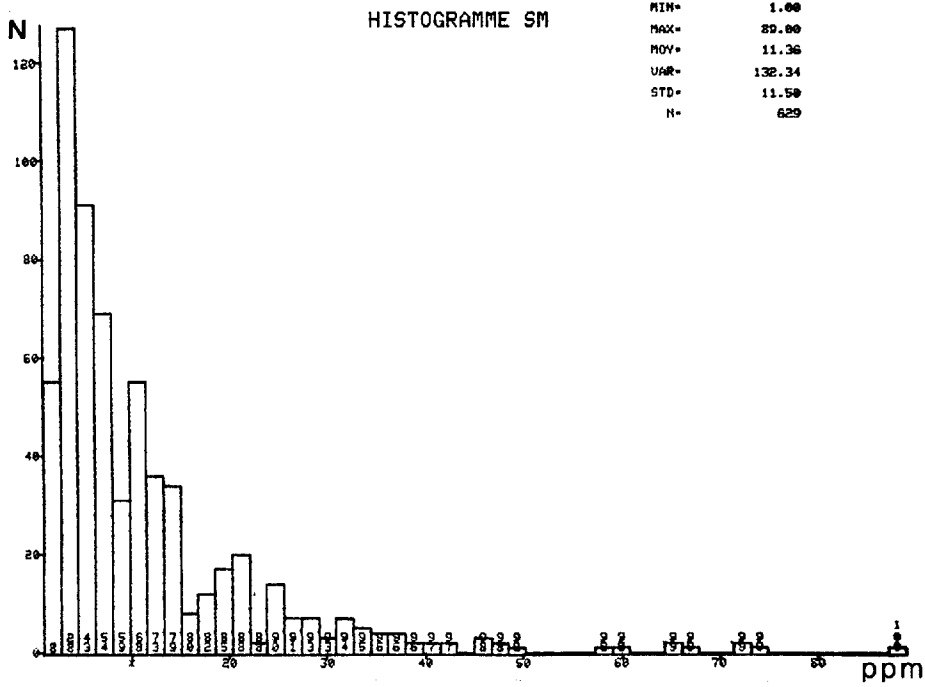
Sc

1



2



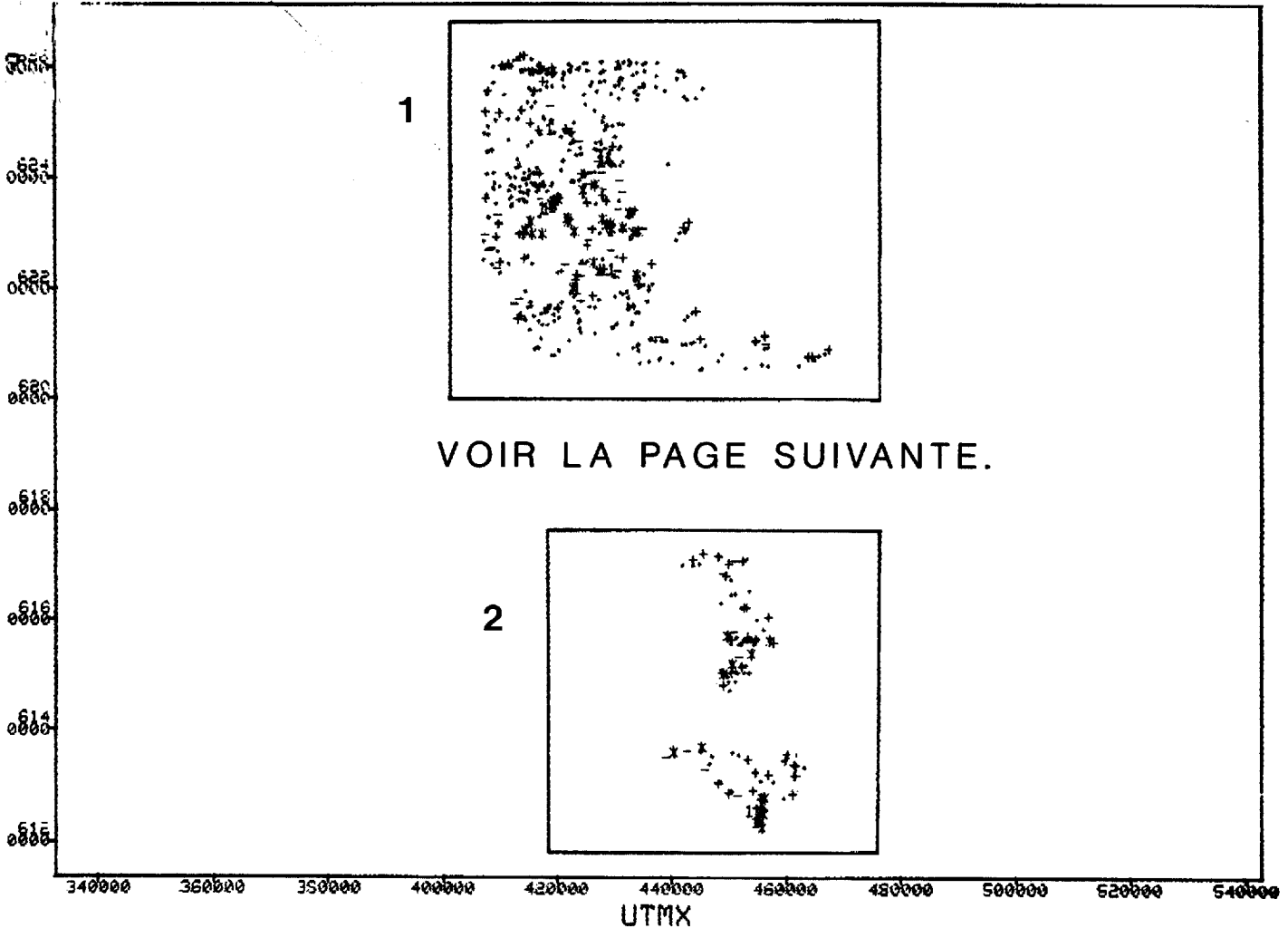


Sm

TENEURS (ppm)

- 0 - 11 .
- 12 - 19 +
- 20 - 28 ⊕
- 29 - 45 ●
- 46 - 90 ⊙

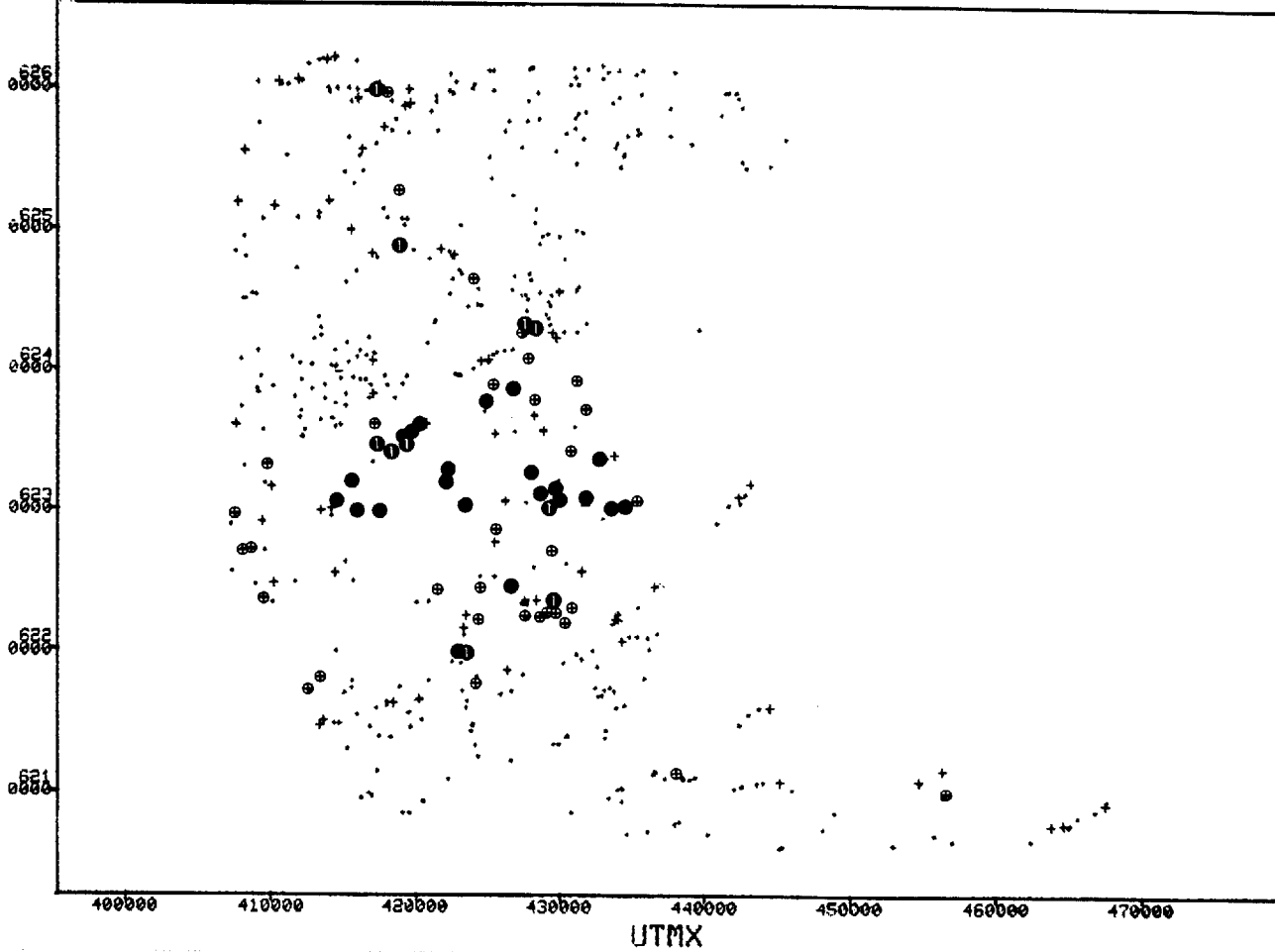
UTMY NIVEAU # 1 N = 629



Sm

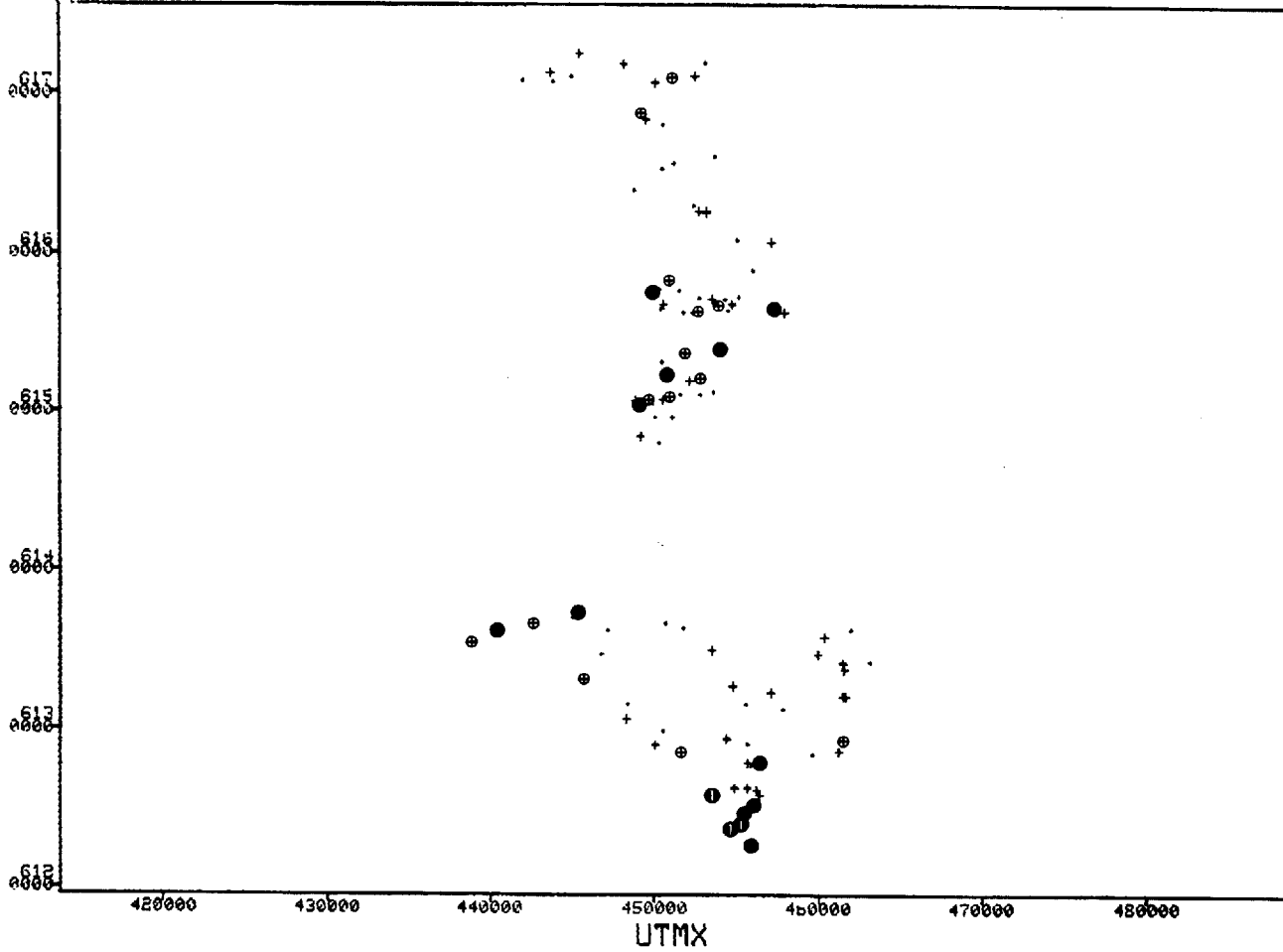
UTMY NIVEAU # 2 N = 522

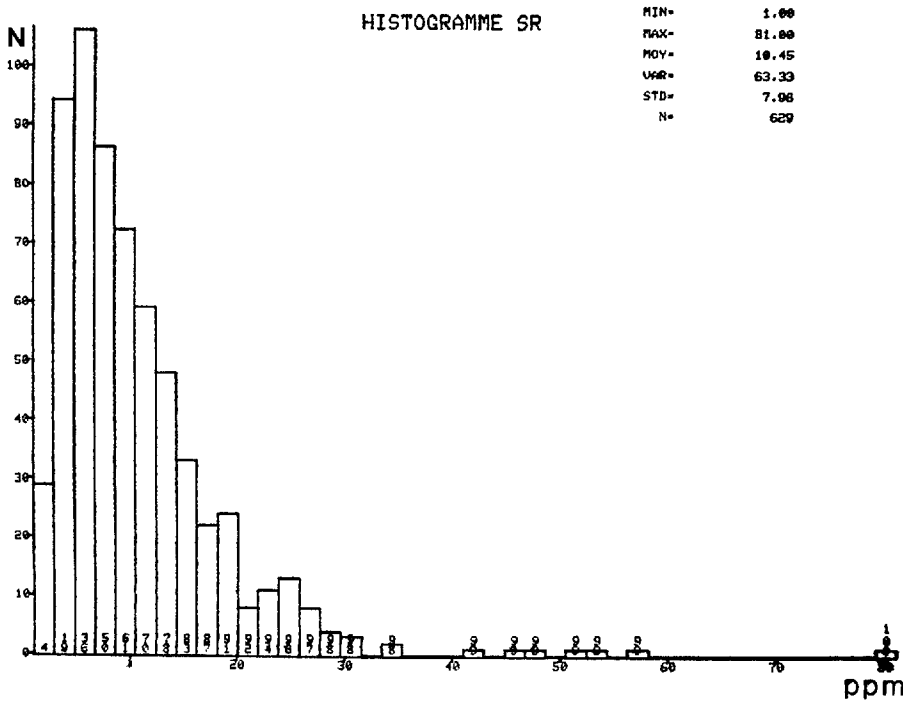
1



UTMY NIVEAU # 2 N = 107

2

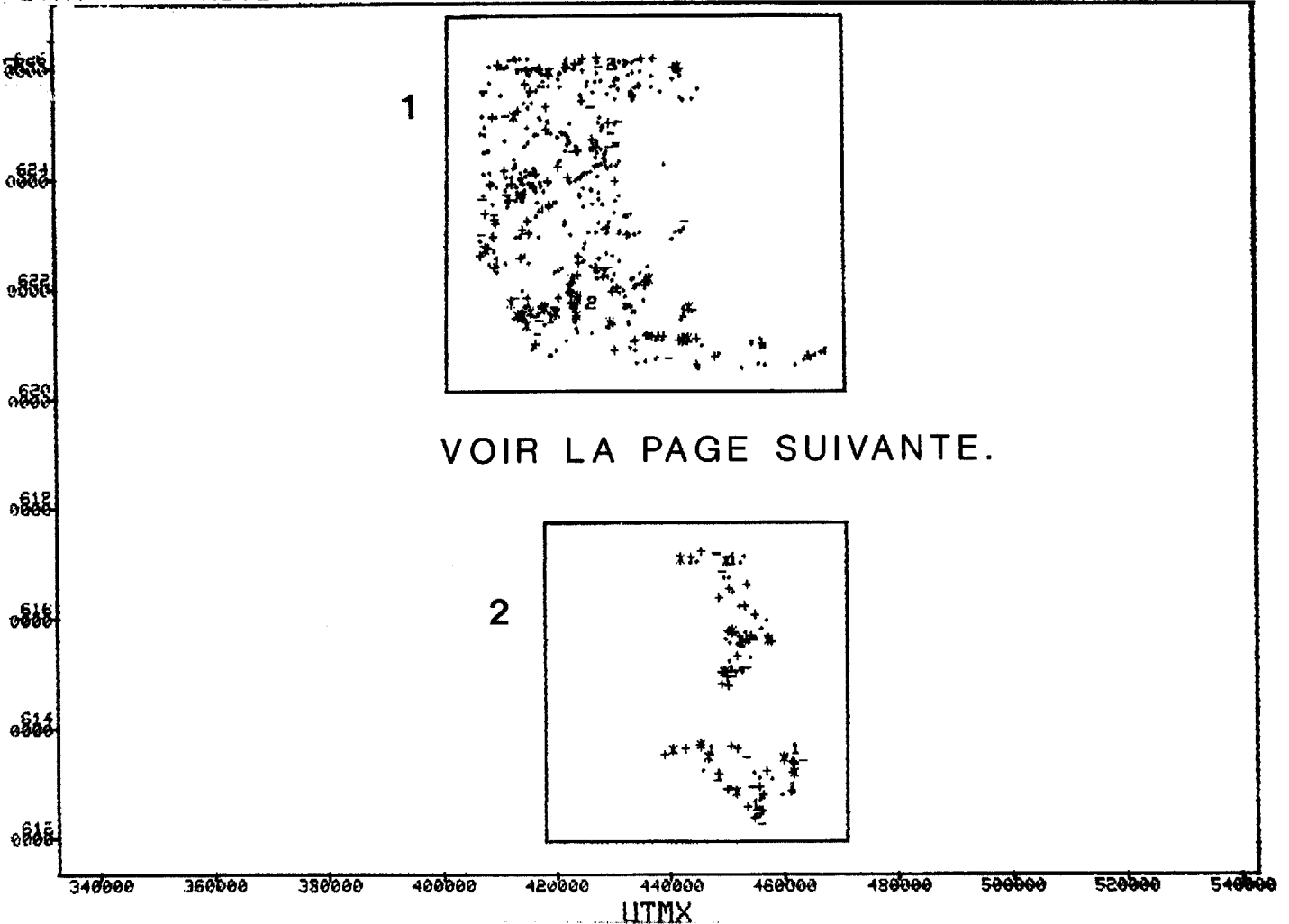




Sr
TENEURS (ppm)

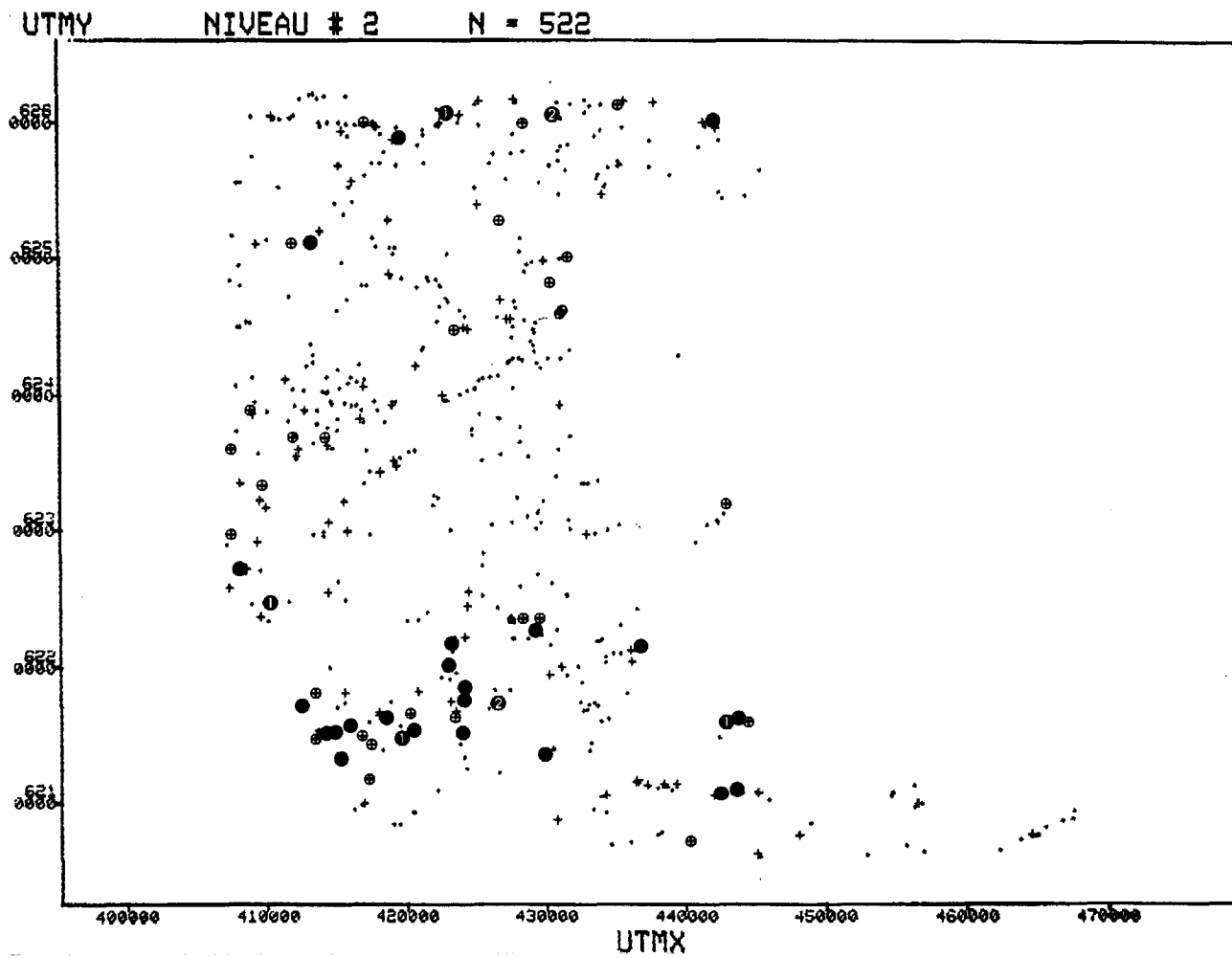
- 0 - 11 .
- 12 - 16 +
- 17 - 21 ⊕
- 22 - 28 ●
- 29 - 56 ⊙
- 57 - 112 ⊗

UTMY NIVEAU # 1 N = 629

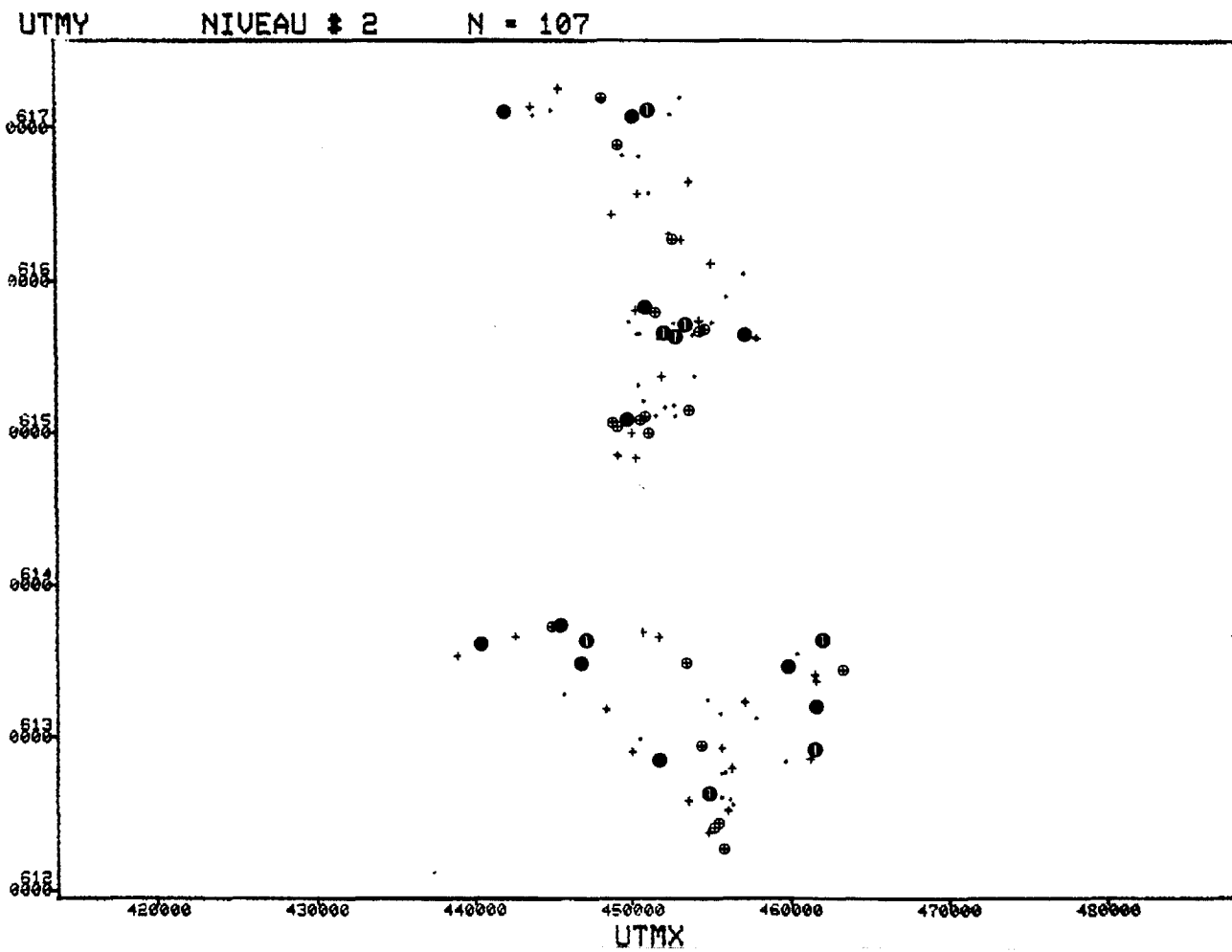


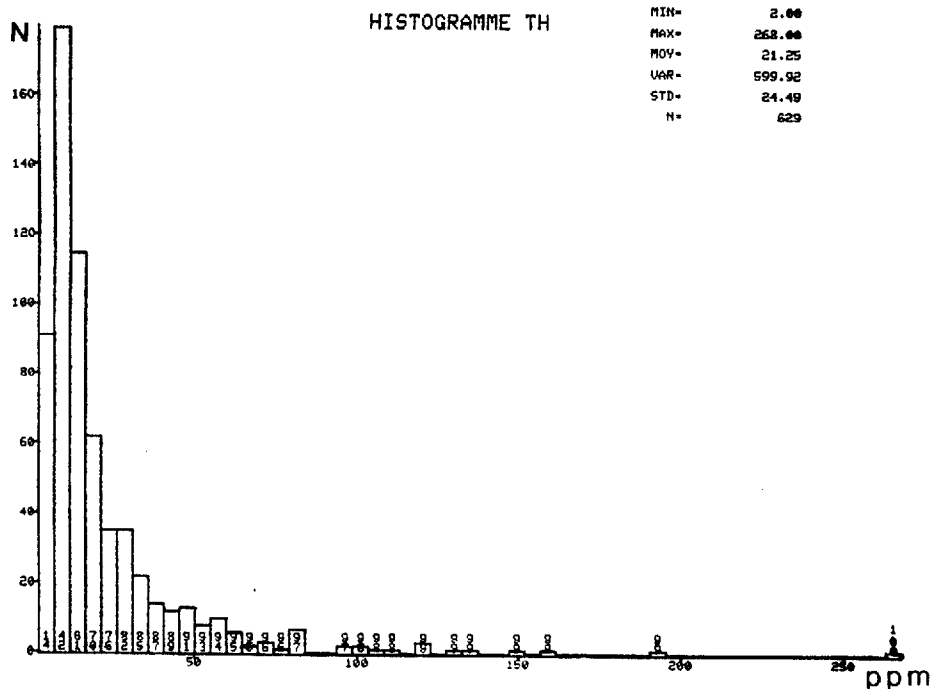
Sr

1



2



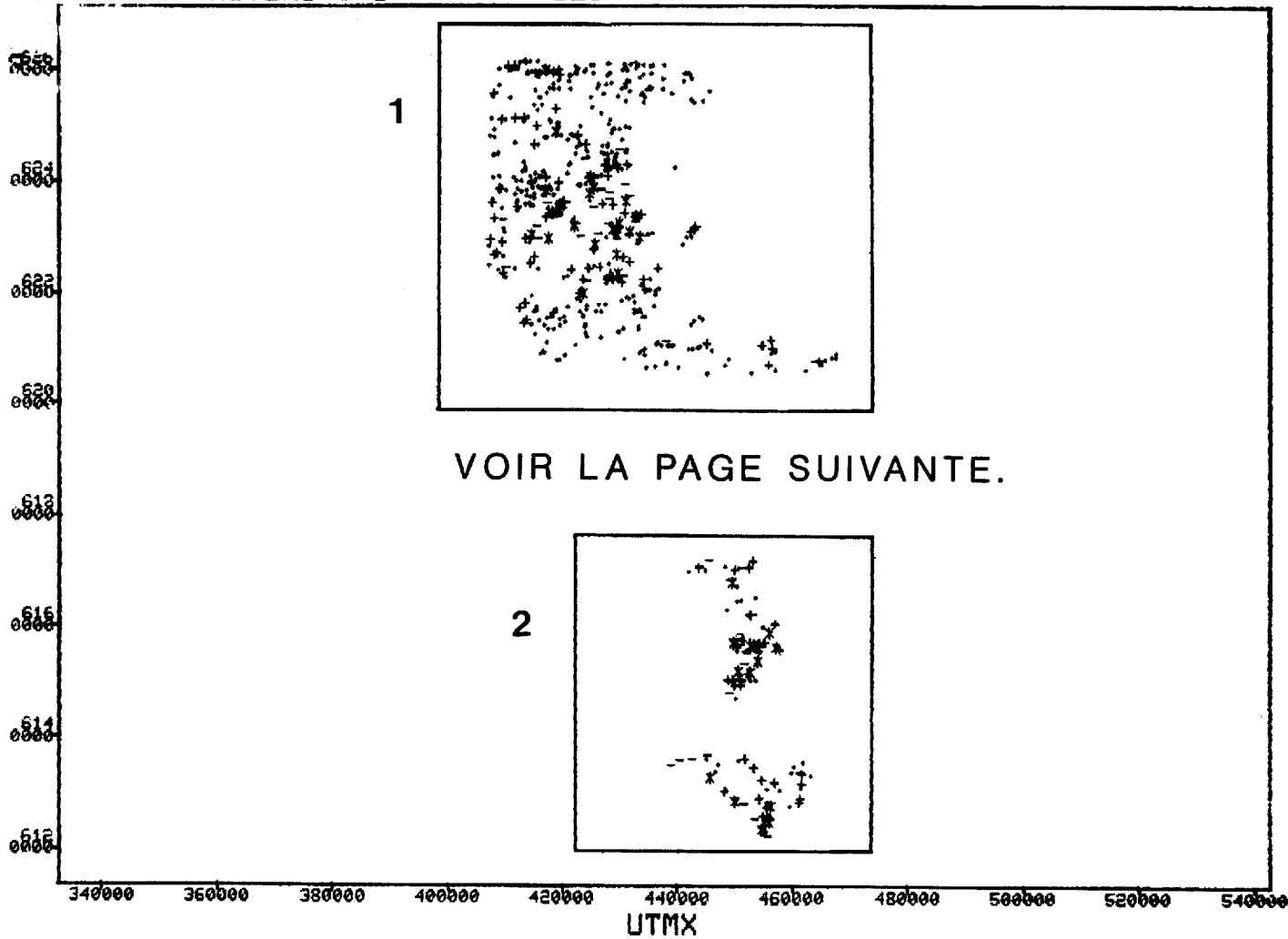


Th

TENEURS (ppm)

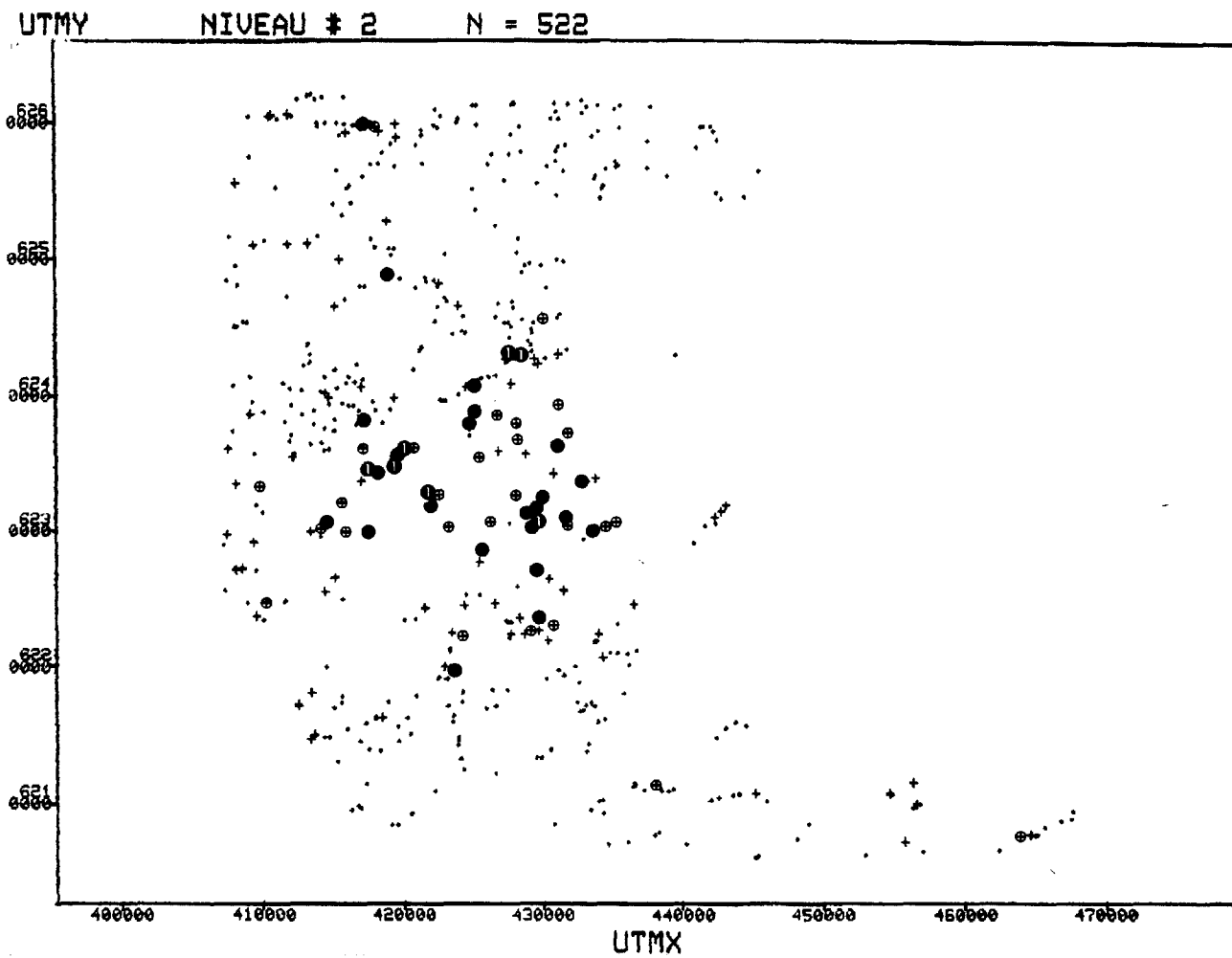
0 - 18	-
19 - 34	+
35 - 53	⊕
54 - 95	●
96 - 190	⊙
191 - 380	⊗

UTMY NIVEAU # 1 N = 629

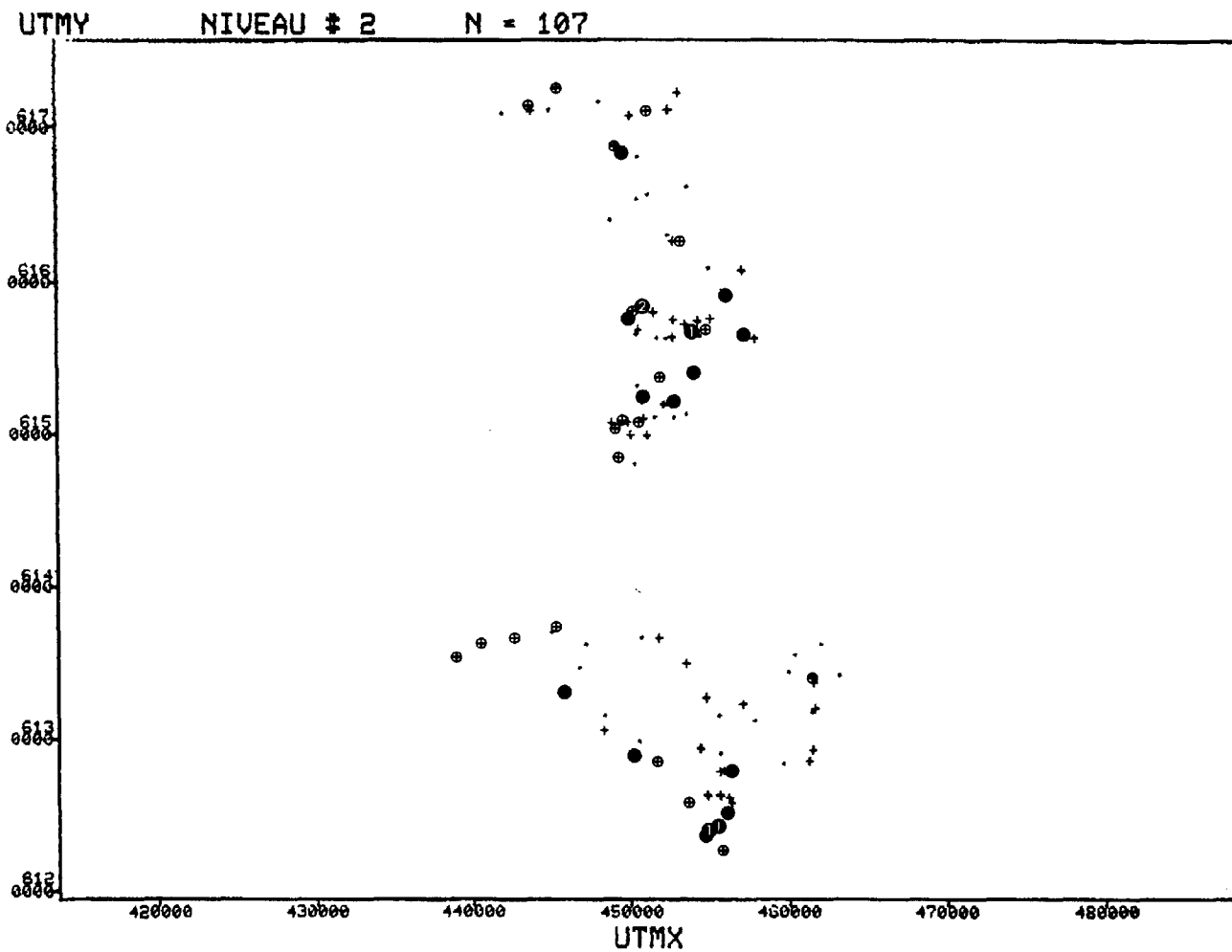


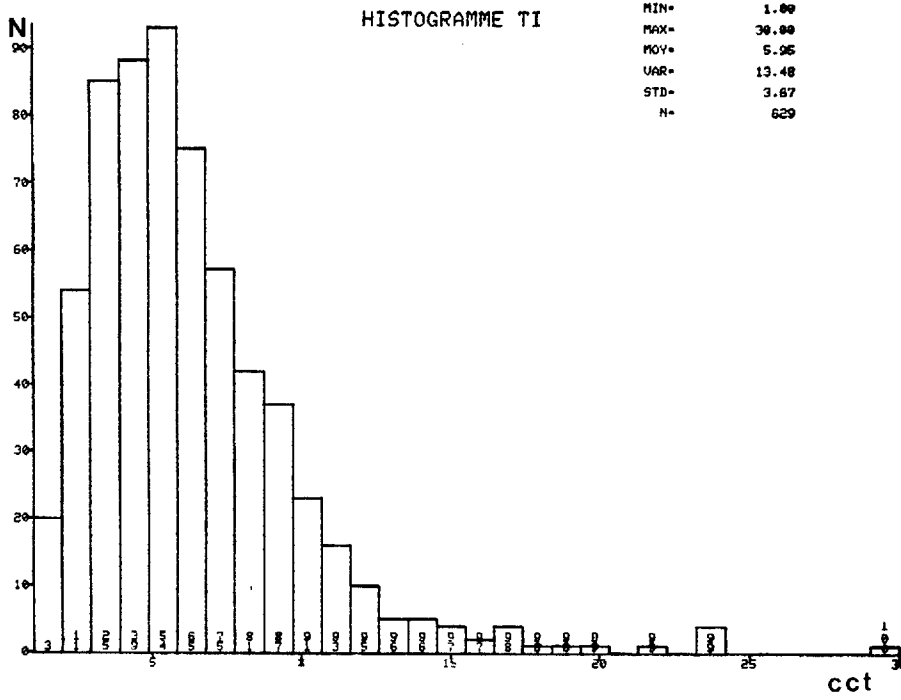
Th

1



2

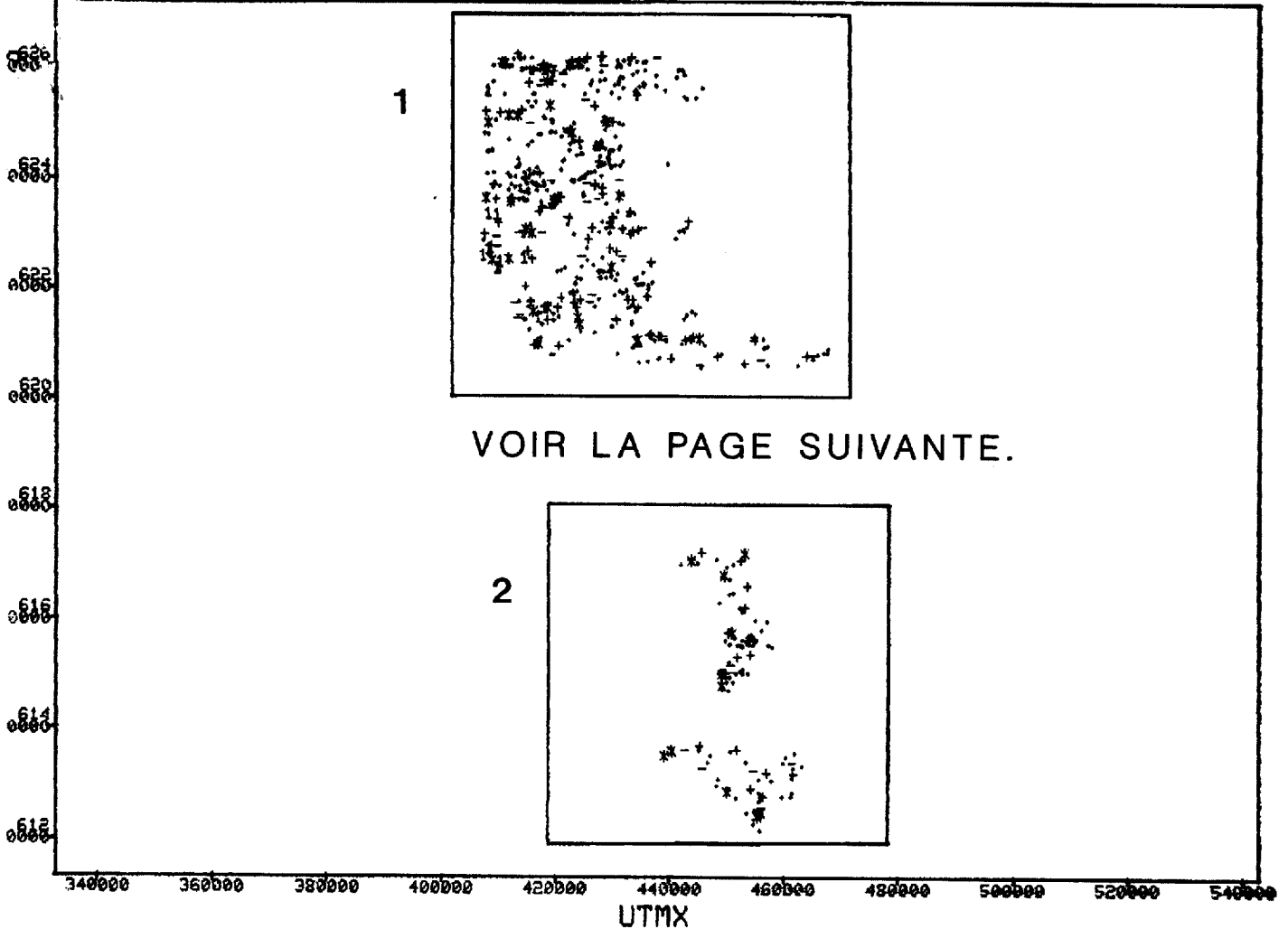




Ti
TENEURS (cct)

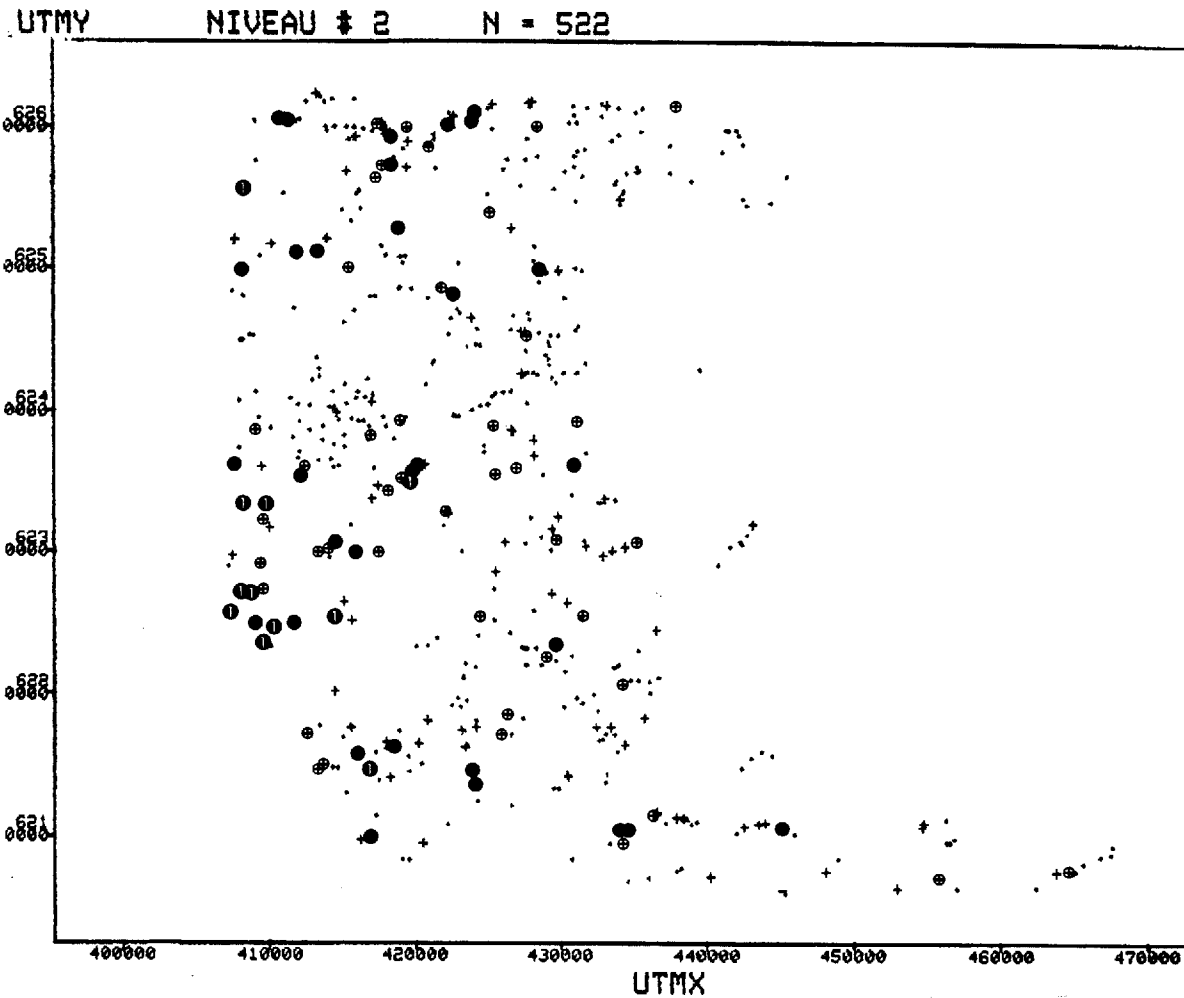
- 0 - 6 -
- 7 - 8 +
- 9 - 10 ⊕
- 11 - 16 ●
- 17 - 32 ⊙

UTMY NIVEAU # 1 N = 629

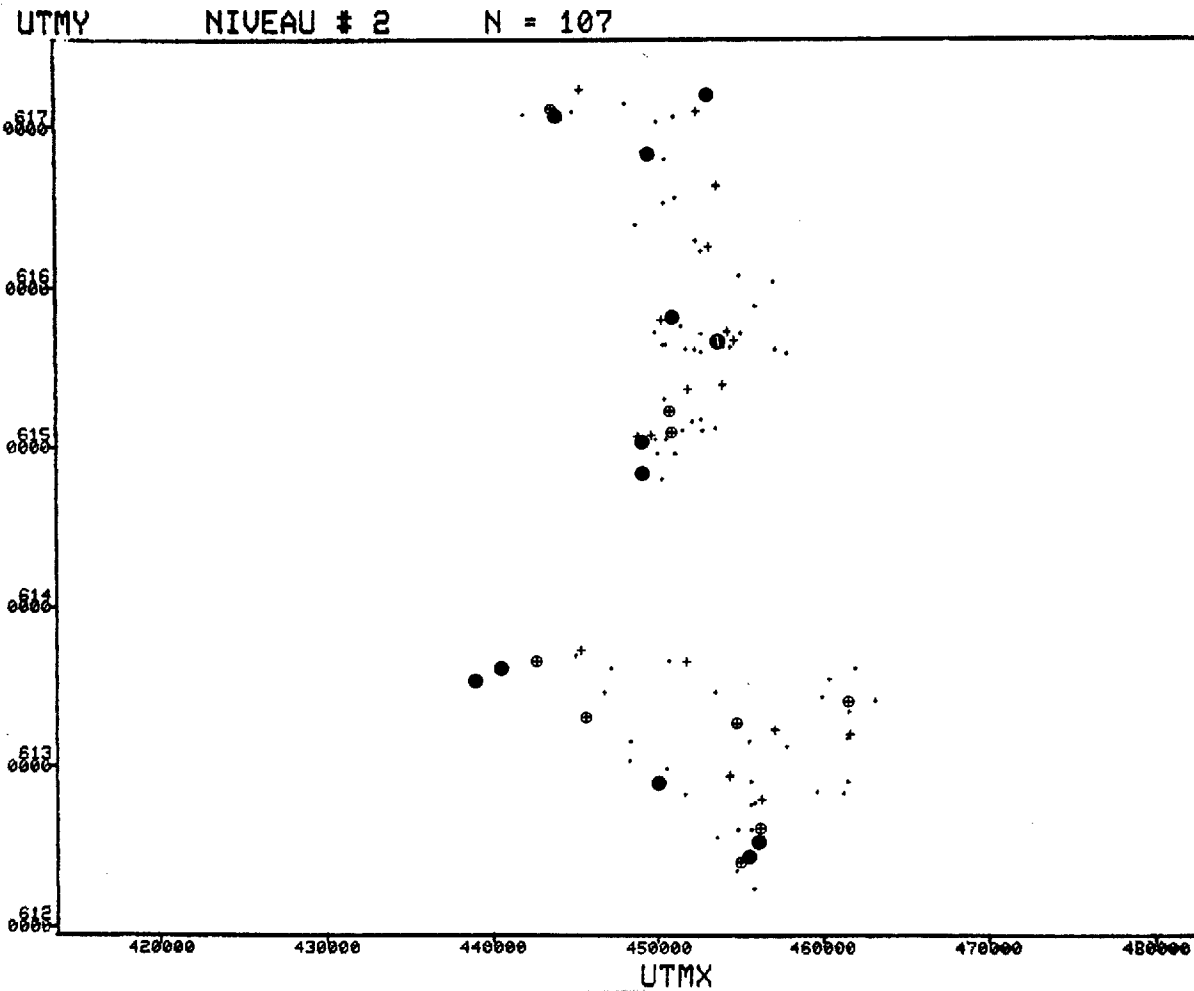


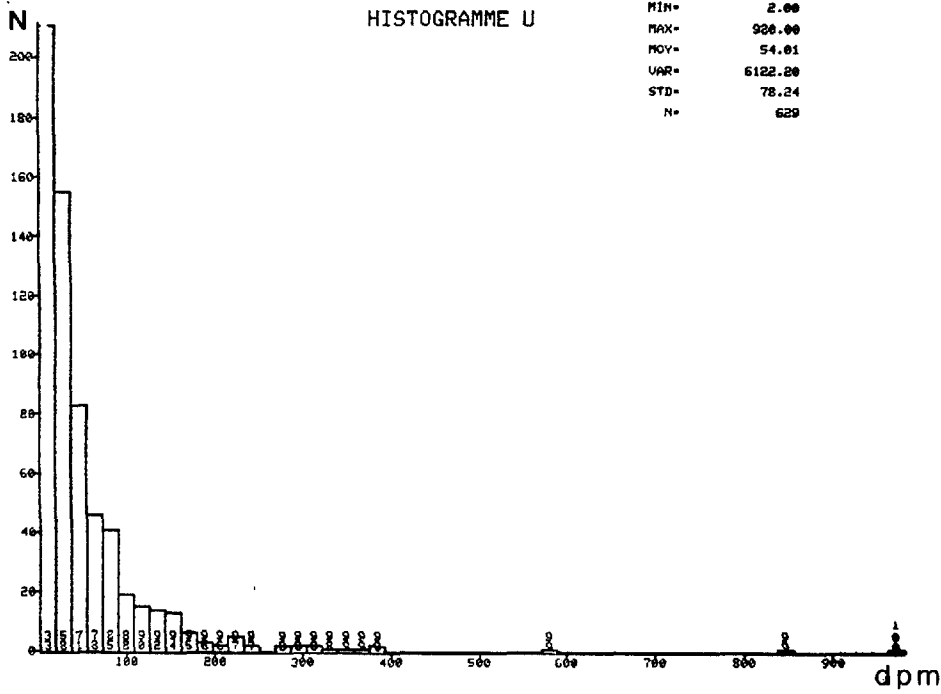
Ti

1



2



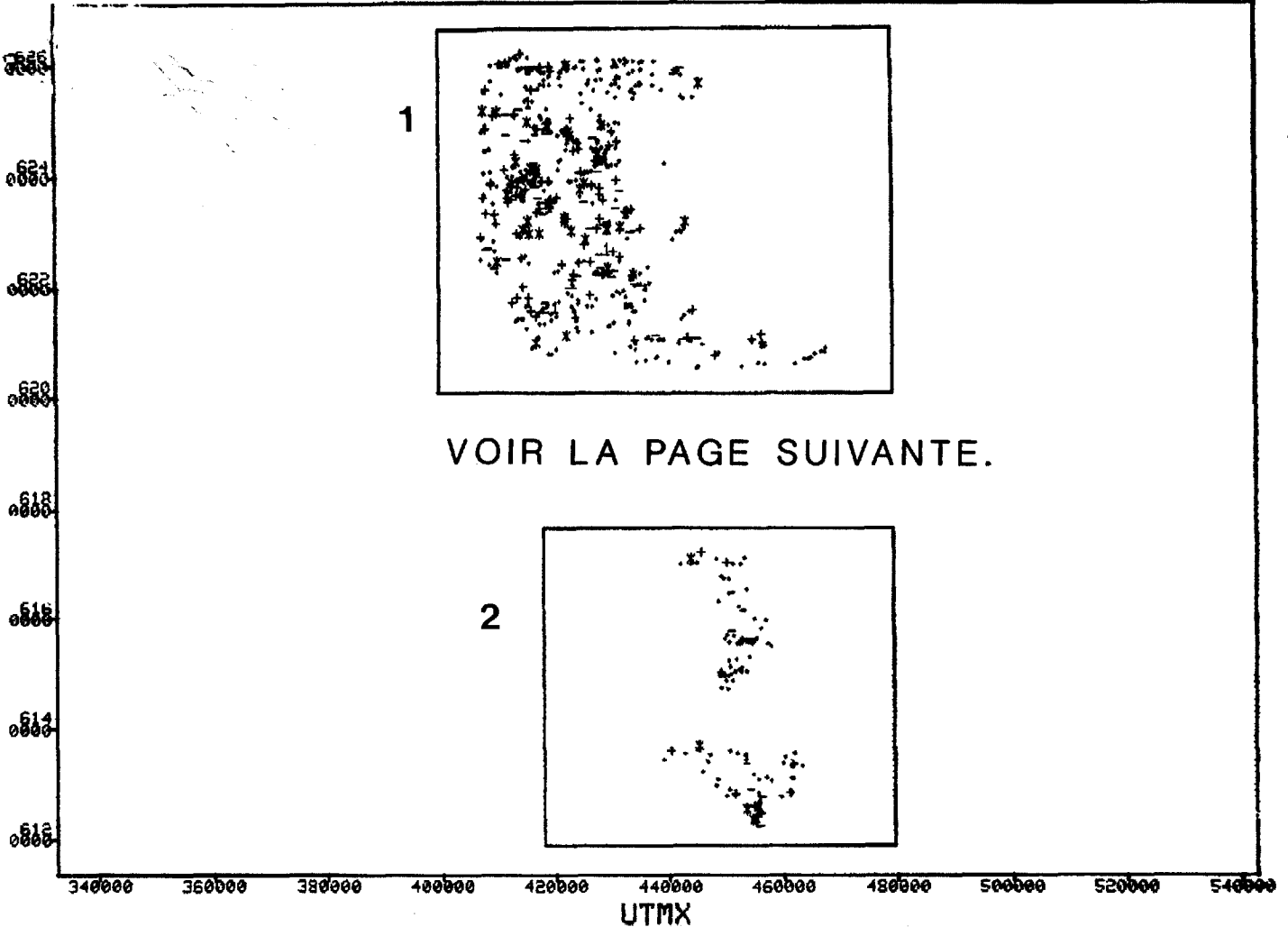


U

TENEURS (dpm)

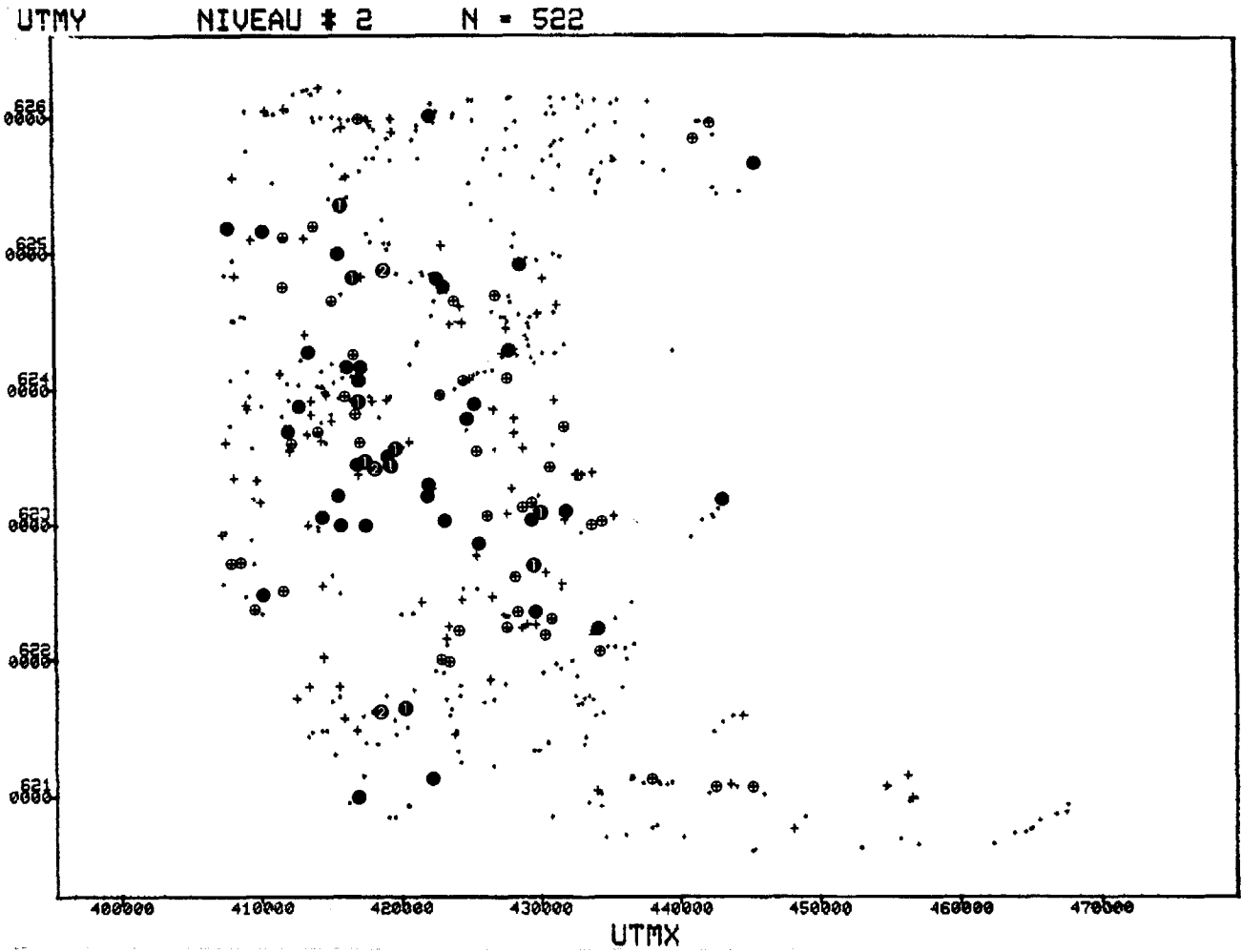
0 - 45	.
46 - 85	+
86 - 135	⊕
136 - 250	●
251 - 500	⦿
501 - 1000	⊗

UTMY NIVEAU # 1 N = 629

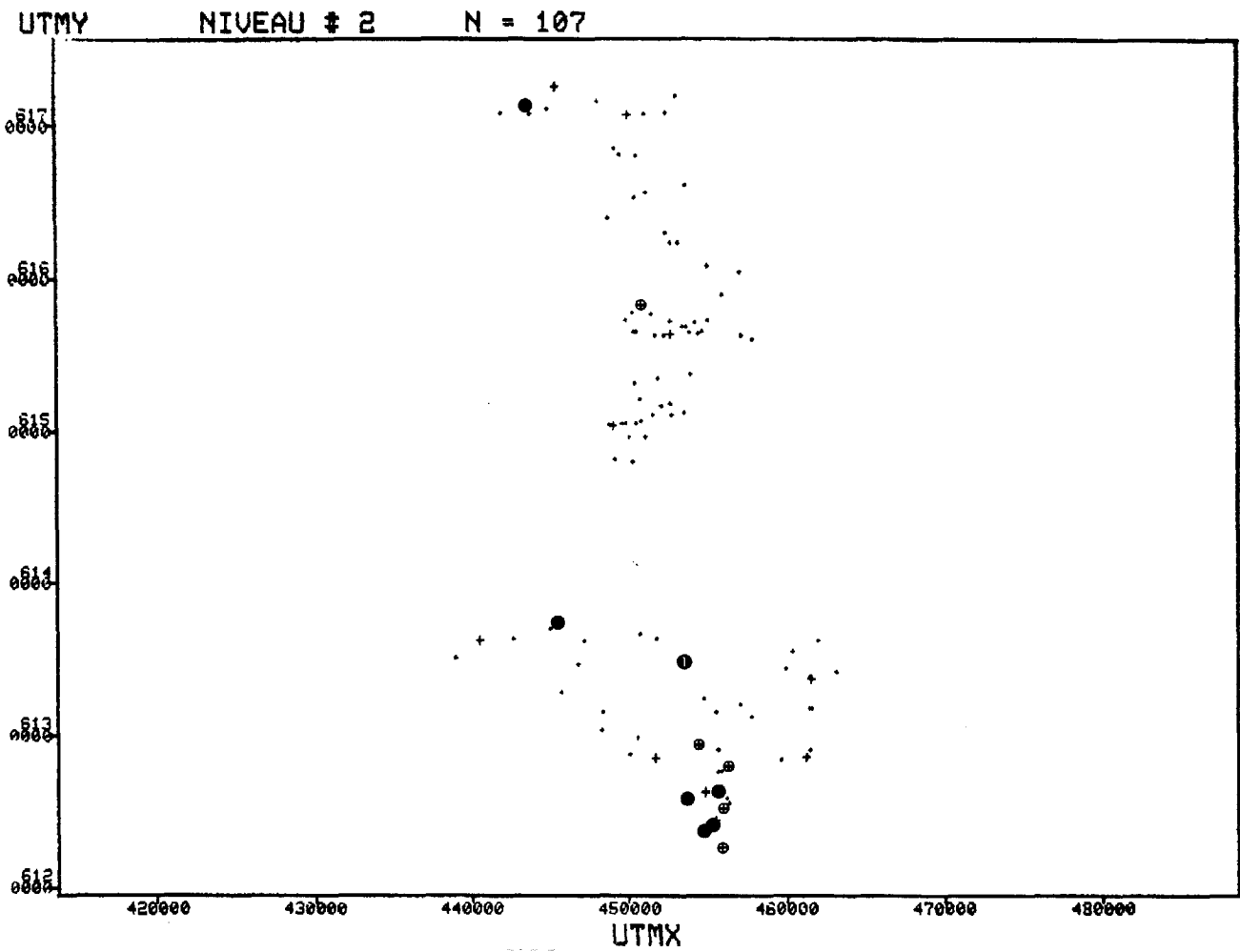


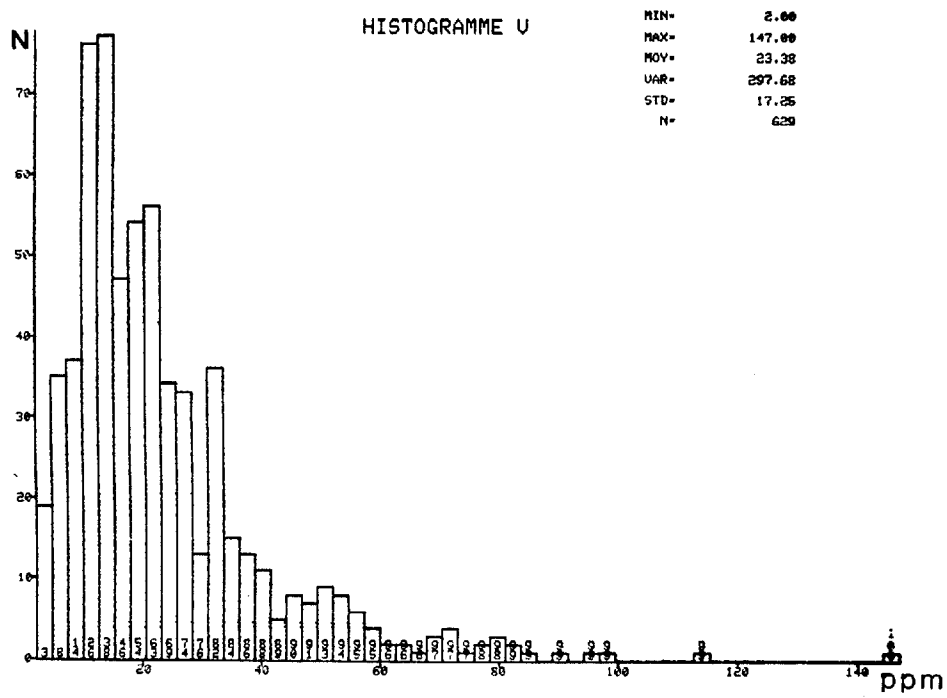
U

1



2



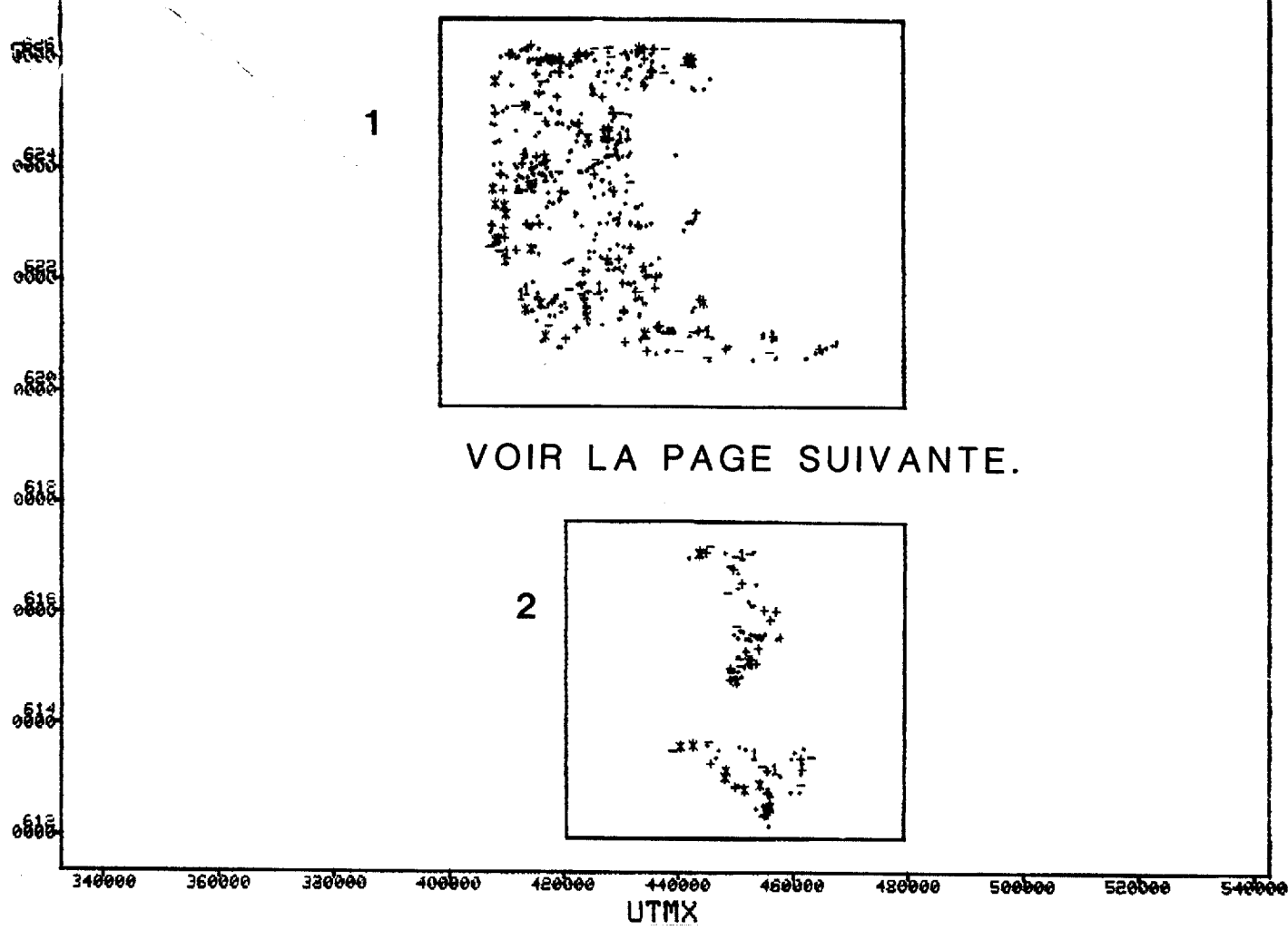


V

TENEURS (ppm)

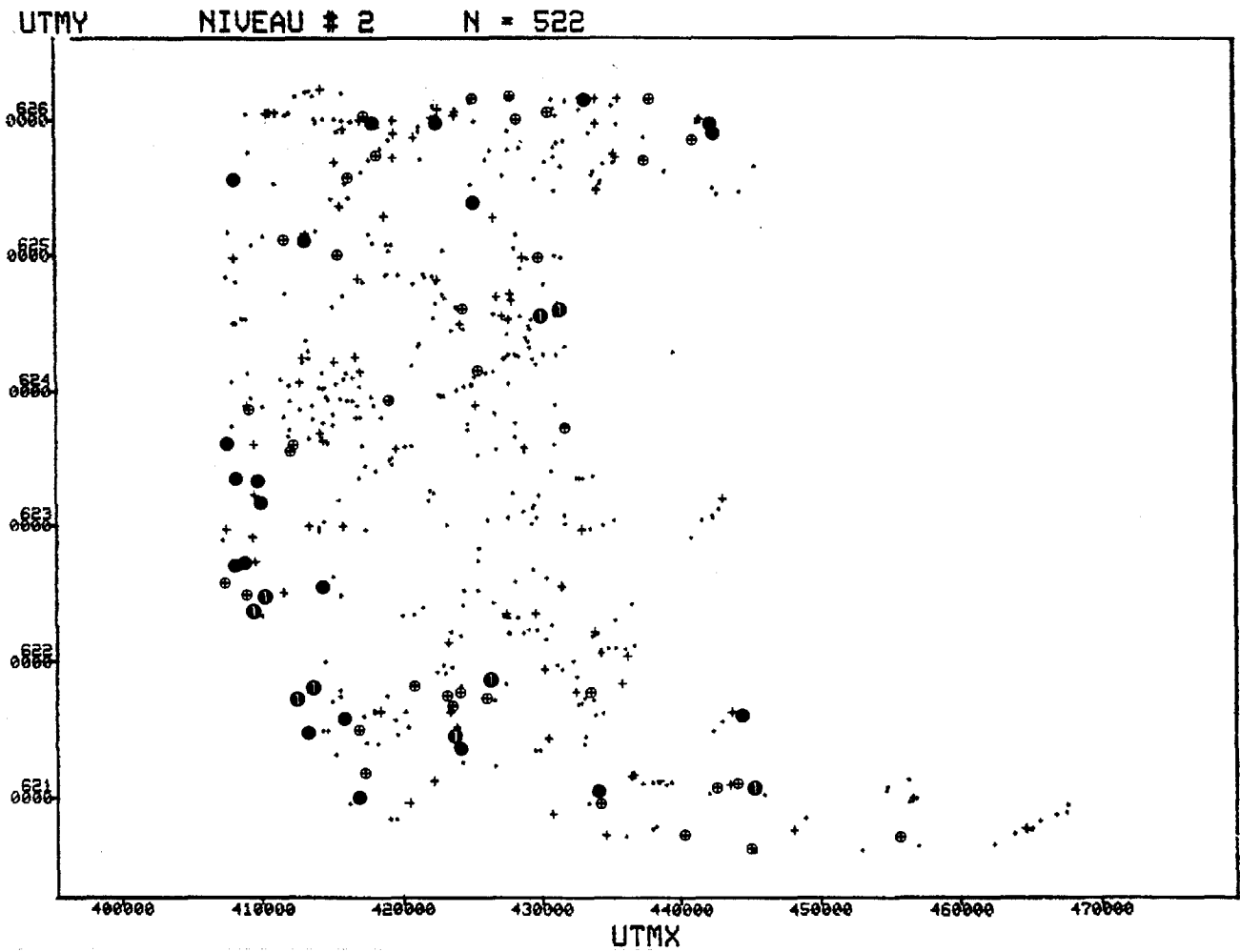
0 - 24	.
25 - 35	+
36 - 51	⊕
52 - 76	●
77 - 152	⊙

UTMY NIVEAU # 1 N = 629

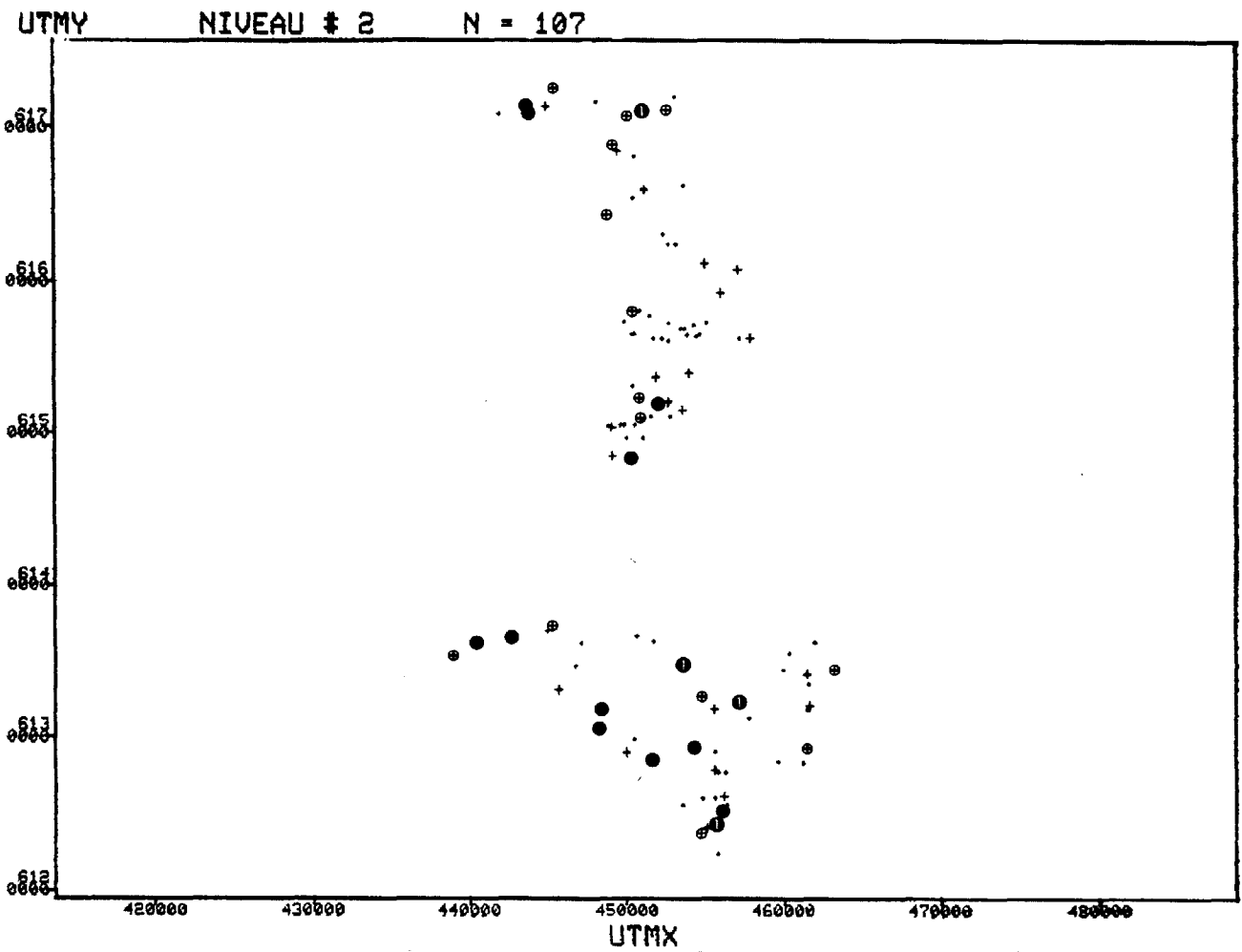


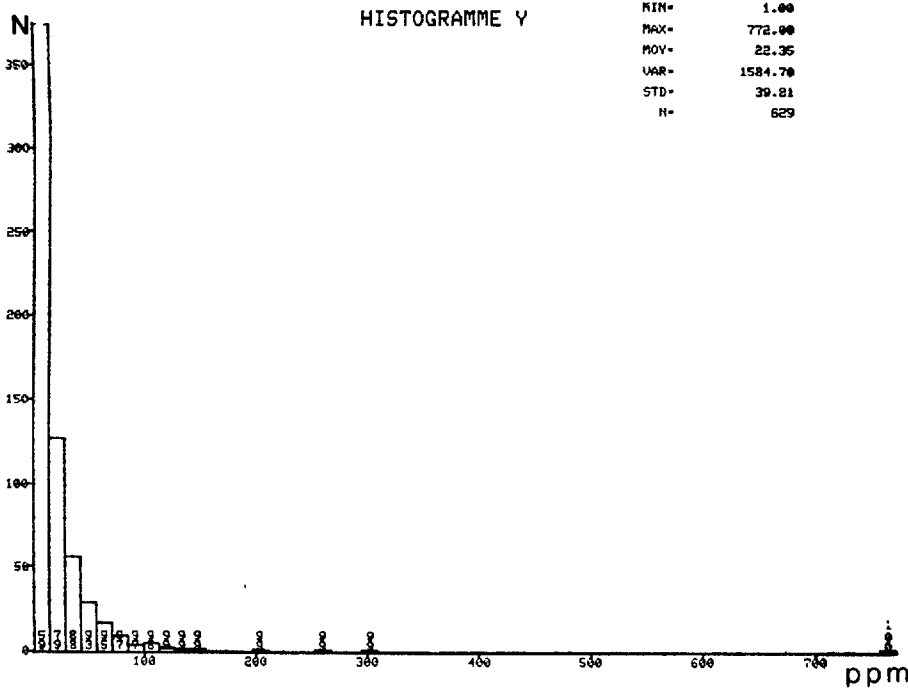
V

1



2



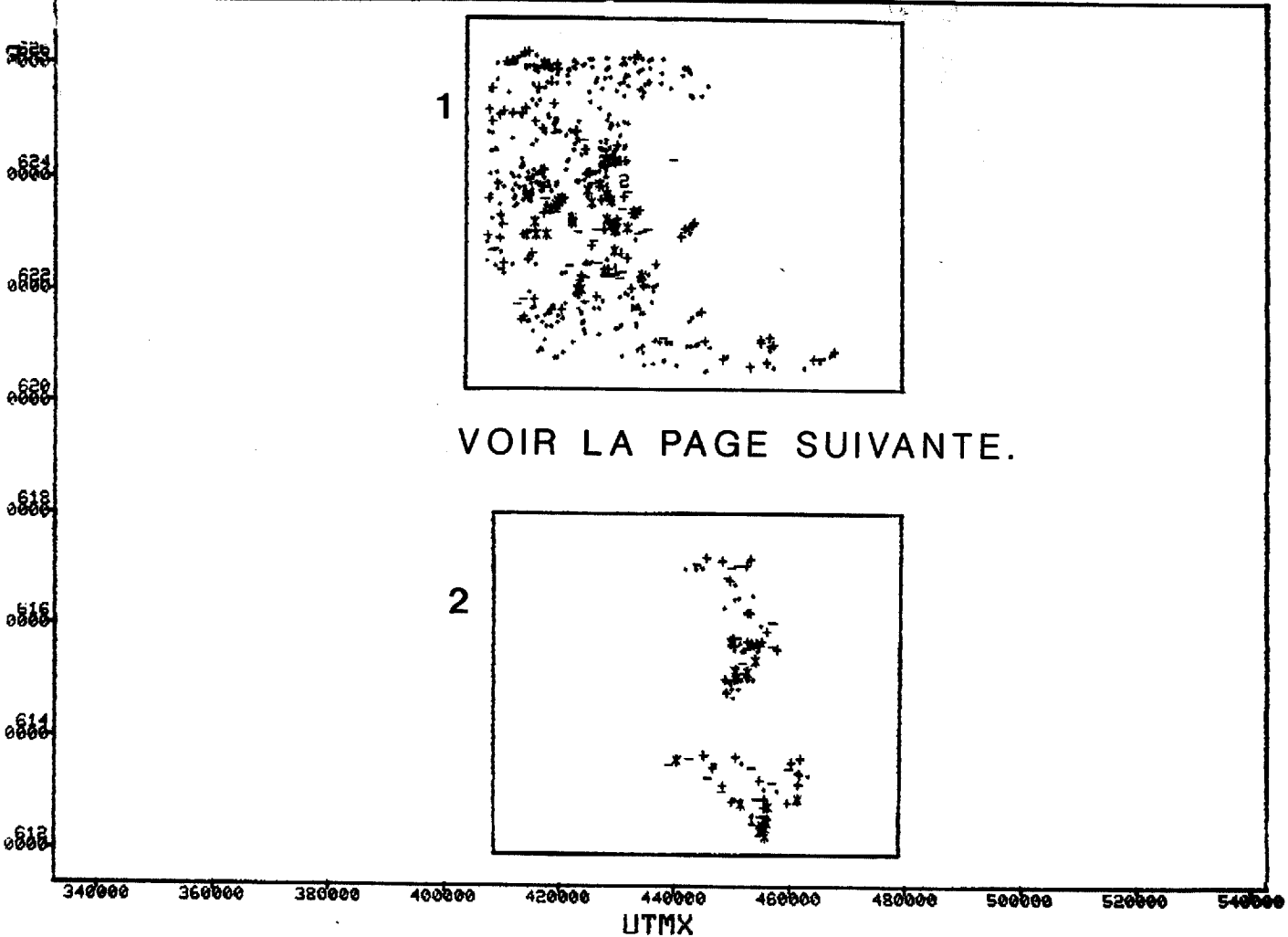


Y

TENEURS (ppm)

0 - 16	.
17 - 31	+
32 - 52	⊕
53 - 100	●
101 - 200	⦿
201 - 400	⊗
401 - 800	⊙

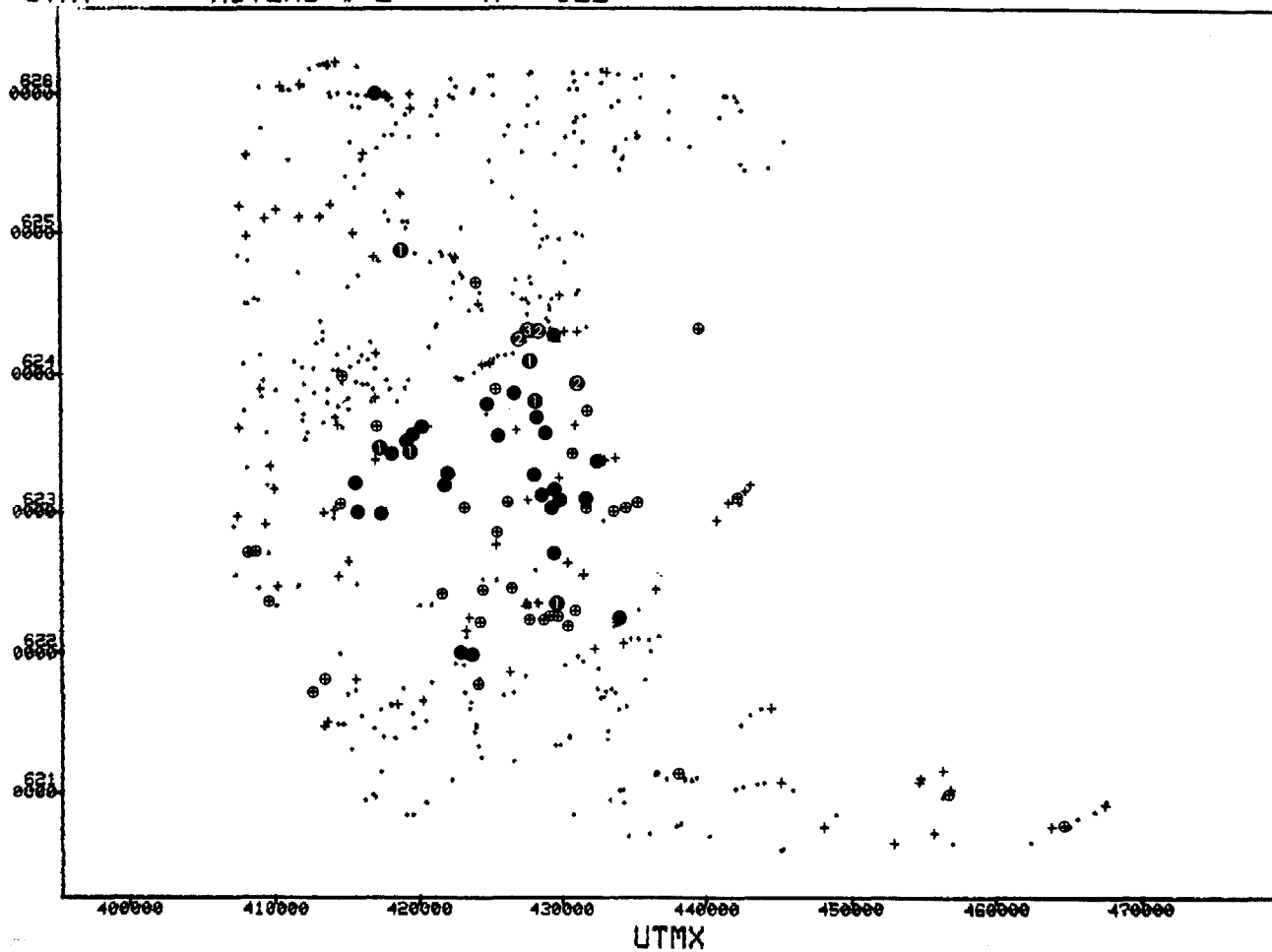
UTMY NIVEAU # 1 N = 629



Y

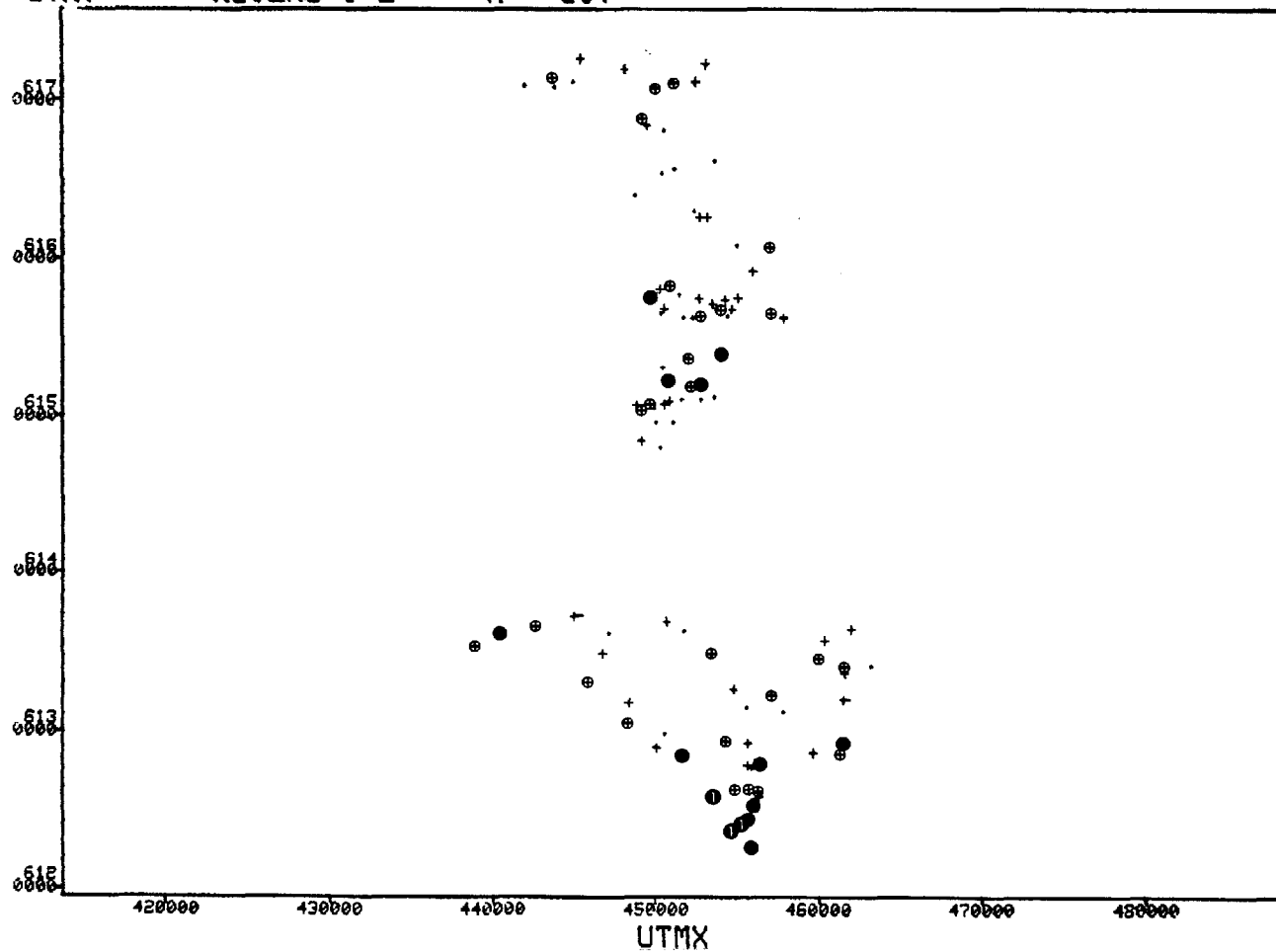
UTMY NIVEAU # 2 N = 522

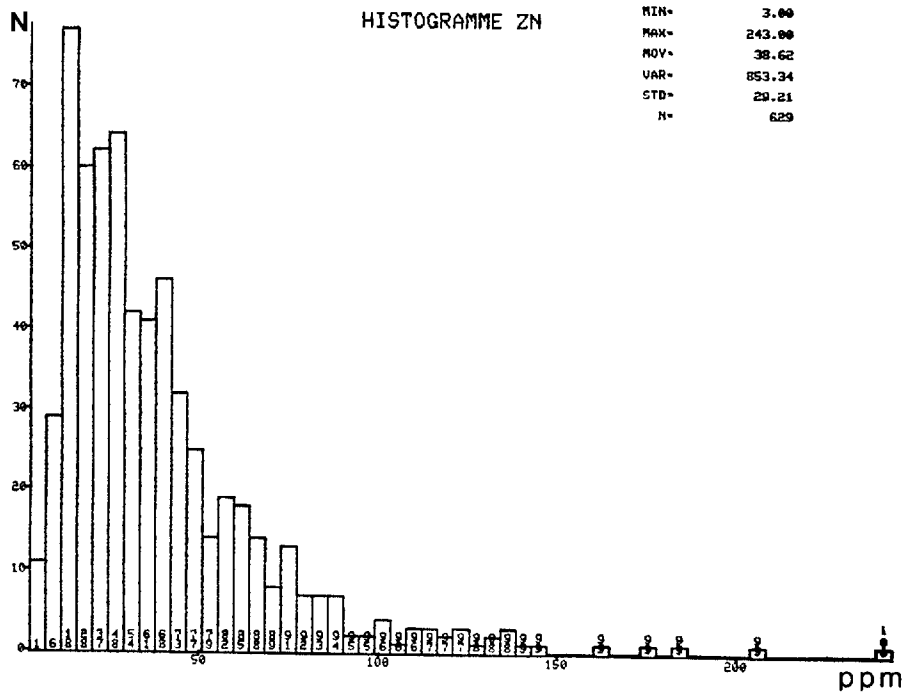
1



UTMY NIVEAU # 2 N = 107

2



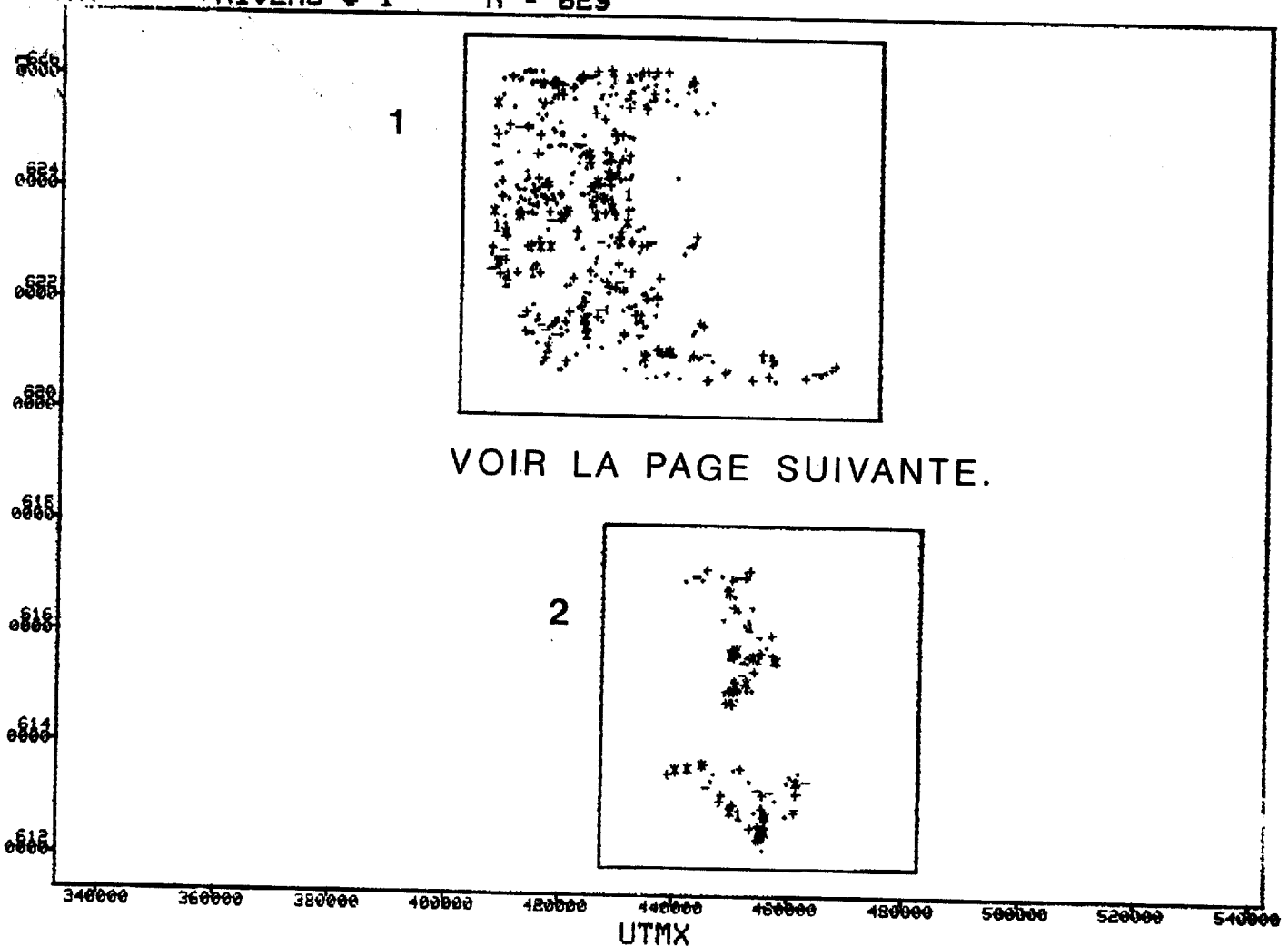


Zn

TENEURS (ppm)

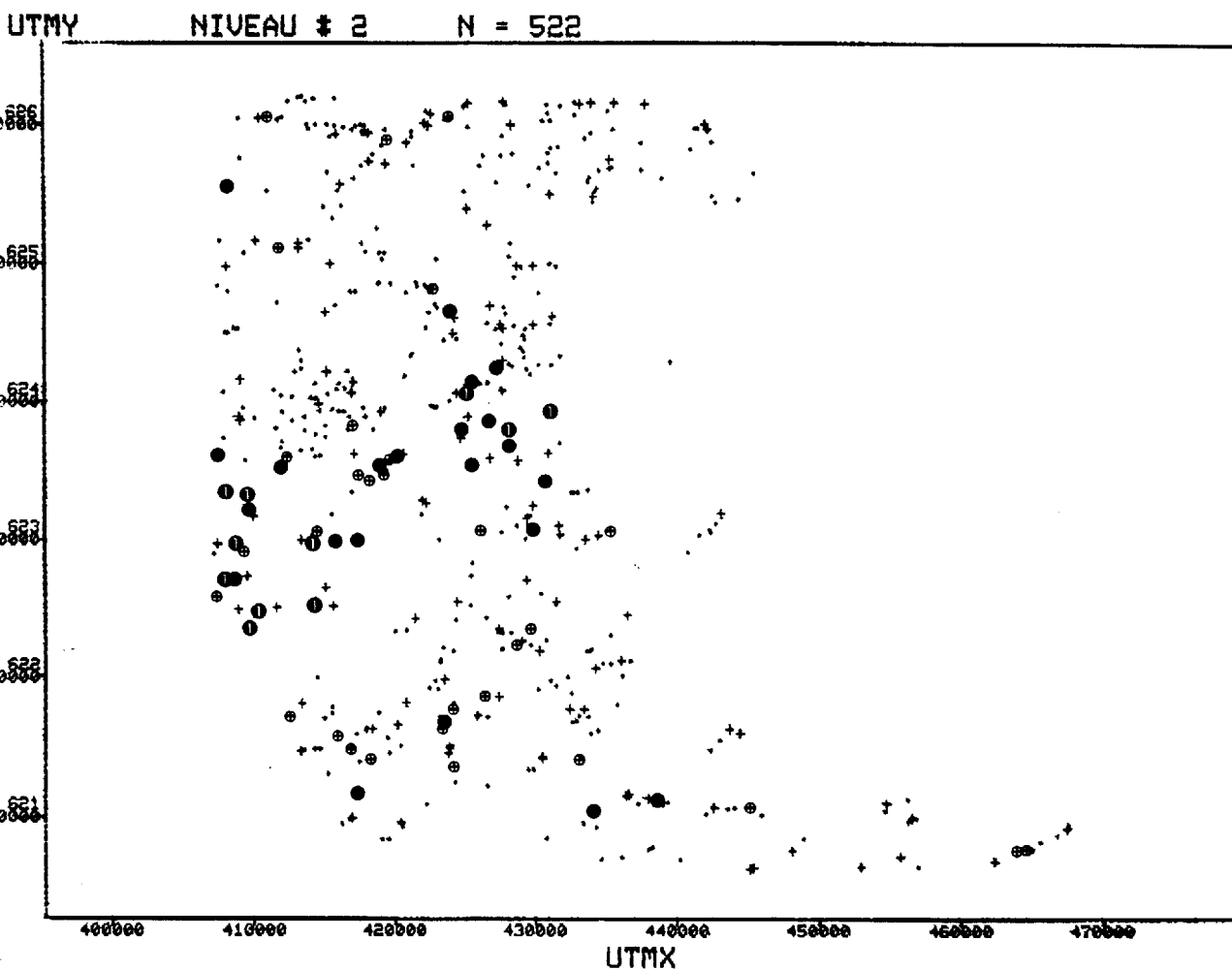
0 - 36	.
37 - 60	+
61 - 78	⊕
79 - 122	●
123 - 144	⊙

*UTMY NIVEAU # 1 N = 629



Zn

1



2

