

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Initial Seeds		
Cluster	VALP	HINCP
1	135000.000	1246000.000
2	600000.000	360000.000
3	750000.000	200500.000
4	120000.000	1425000.000
5	2267000.000	833500.000
6	200000.000	626000.000
7	285000.000	56000.000
8	450000.000	499000.000
9	600000.000	841000.000
10	200000.000	-11200.000
11	430.000	346000.000
12	505000.000	32900.000
13	1150000.000	129000.000
14	850000.000	239000.000
15	789000.000	768000.000
16	550000.000	597500.000
17	555000.000	218800.000
18	1100000.000	578000.000
19	900000.000	450000.000
20	800000.000	110000.000
21	1000000.000	766000.000
22	120.000	16300.000
23	350000.000	585000.000
24	1175000.000	475000.000
25	1000000.000	866000.000
26	100000.000	2400.000
27	800000.000	327040.000
28	1113000.000	15400.000
29	550000.000	475002.000
30	450000.000	240700.000
31	200000.000	195000.000
32	325000.000	738000.000
33	200000.000	409700.000
34	2267000.000	585200.000
35	2267000.000	1019000.000

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Initial Seeds		
Cluster	VALP	HINCP
36	800000.000	893600.000
37	100000.000	391000.000
38	480000.000	135900.000
39	350000.000	1425000.000
40	2267000.000	466700.000
41	900000.000	8400.000
42	1000000.000	510140.000
43	675000.000	272000.000
44	450000.000	625200.000
45	600000.000	87200.000
46	1000000.000	367000.000
47	1175000.000	357000.000
48	425000.000	953000.000
49	950000.000	257100.000
50	850000.000	671000.000
51	800000.000	468600.000
52	350000.000	461000.000
53	95000.000	191000.000
54	180.000	230690.000
55	700000.000	381000.000
56	2267000.000	226100.000
57	450000.000	854000.000
58	765000.000	1117700.000
59	160000.000	93300.000
60	2267000.000	107300.000
61	1100000.000	229000.000
62	1000000.000	1008000.000
63	250000.000	525000.000
64	190.000	126500.000
65	710000.000	675000.000
66	1000000.000	645000.000
67	100000.000	759900.000
68	1000000.000	56900.000
69	340000.000	1027000.000
70	2267000.000	346000.000

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Initial Seeds		
Cluster	VALP	HINCP
71	135000.000	493660.000
72	300000.000	169000.000
73	650000.000	589900.000
74	500000.000	748000.000
75	60000.000	609000.000
76	400000.000	366000.000
77	1000000.000	164000.000
78	700000.000	22000.000
79	500000.000	331000.000
80	900000.000	970010.000
81	700000.000	486000.000
82	215000.000	761910.000
83	260000.000	313060.000
84	800000.000	0.000
85	350000.000	256700.000
86	600000.000	686000.000
87	800000.000	575000.000
88	900000.000	563500.000
89	1100000.000	712000.000
90	145000.000	286900.000
91	950000.000	1106000.000
92	650000.000	175030.000
93	380000.000	102500.000
94	2267000.000	716000.000
95	400000.000	0.000
96	200.000	500000.000
97	900000.000	138000.000
98	700000.000	815500.000
99	750000.000	1001000.000
100	2267000.000	-5100.000

Criterion Based on Final Seeds =	22569.6
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Cluster Summary						
Cluster	Frequency	RMS Std Deviation	Maximum Distance from Seed to Observation	Radius Exceeded	Nearest Cluster	Distance Between Cluster Centroids
1	22	.	7320.6		4	180357
2	47	31138.2	75404.9		43	94783.0
3	111	25430.1	60212.1		14	93790.0
4	25	.	11947.7		1	180357
5	10	18489.0	56660.0		94	127661
6	36	27966.6	72305.1		63	121758
7	4462	25553.5	69167.8		10	84051.6
8	54	30775.8	76723.7		52	98554.6
9	3	31556.8	42687.5		98	92796.0
10	3193	21240.2	60706.0		59	60255.6
11	32	24382.2	72467.7		37	85213.9
12	2020	20750.6	62975.6		38	89650.0
13	182	18387.5	57177.8		61	105575
14	69	29775.2	66848.2		27	91975.1
15	2	19300.3	19300.3		65	106256
16	13	34271.7	70867.3		73	107554
17	267	31531.0	70486.0		38	105803
18	6	24750.8	53742.9		24	108619
19	28	21774.7	54749.6		42	86544.1
20	324	24799.4	70048.5		3	98871.7
21	3	36642.4	55200.6		89	112085
22	5022	17211.8	48869.0		26	62812.3
23	27	35153.4	70103.8		52	94278.7
24	21	21670.4	62500.7		18	108619
25	2	28500.0	28500.0		62	92500.0
26	7908	19661.9	58657.6		22	62812.3
27	39	35681.5	91841.5		14	91975.1
28	1740	8887.9	43252.2		13	112811
29	67	34056.7	83899.7		8	99706.4
30	354	27546.6	68734.3		85	82979.4
31	1645	27117.4	70655.9		72	82334.1
32	16	27203.5	69479.0		82	123893
33	54	29386.1	82401.0		83	101822
34	23	18700.6	53734.3		40	90736.8

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Cluster Summary						
Cluster	Frequency	RMS Std Deviation	Maximum Distance from Seed to Observation	Radius Exceeded	Nearest Cluster	Distance Between Cluster Centroids
35	11	26930.1	70600.1		5	161107
36	2	10200.0	10200.0		99	118413
37	61	21334.1	59592.1		11	85213.9
38	511	26805.7	70982.7		12	89650.0
39	2	.	0		4	234400
40	78	17851.3	72855.1		34	90736.8
41	1606	18613.2	71346.7		84	103095
42	30	25655.0	69537.9		19	86544.1
43	60	29071.3	67454.3		2	94783.0
44	11	37330.0	82716.7		74	101734
45	764	24732.8	80787.3		92	100229
46	13	33841.7	91548.1		49	107775
47	5	27763.1	51396.6		61	111781
48	3	.	5656.9		57	102521
49	61	33980.0	85126.3		77	107624
50	8	31818.0	58046.2		88	104089
51	33	29010.4	70264.5		87	87314.8
52	52	28837.7	79150.4		23	94278.7
53	1066	24362.9	72233.4		59	73579.1
54	143	25379.1	75949.4		53	110708
55	12	21094.3	53125.8		2	101912
56	53	20289.0	56822.8		70	96801.5
57	7	15606.0	37590.0		48	102521
58	1	.	0		99	145190
59	6525	23728.5	65223.0		10	60255.6
60	113	12772.8	56065.5		100	76522.5
61	5	35083.5	56454.4		13	105575
62	2	21000.0	21000.0		25	92500.0
63	69	27960.8	72299.4		23	112400
64	2333	22516.0	66098.7		22	65534.9
65	9	24562.9	49633.6		15	106256
66	10	34514.5	71081.6		89	106696
67	1	.	0		82	126616
68	754	14302.8	67507.4		77	102131

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Cluster Summary						
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69	5	.	3200.0		48	113607
70	22	22628.0	58105.9		56	96801.5
71	46	26305.0	64975.9		96	107031
72	1665	26379.2	73688.3		31	82334.1
73	26	31019.7	59549.8		81	89221.2
74	7	24102.3	55912.5		44	101734
75	93	12144.9	61127.5		96	103049
76	74	32527.1	69271.3		79	120762
77	54	23913.0	62258.0		97	100917
78	1174	23565.3	78263.9		84	90626.0
79	96	30060.2	80061.5		2	104287
80	1	.	0		62	101433
81	59	26657.6	72620.4		73	89221.2
82	10	.	10048.4		32	123893
83	176	31522.1	75550.0		85	96656.9
84	1079	16178.1	55528.5		78	90626.0
85	430	29092.4	71725.7		30	82979.4
86	13	25292.1	65242.4		74	105171
87	24	25116.0	58981.5		51	87314.8
88	11	24393.8	63407.6		19	90541.7
89	2	26405.5	26405.5		66	106696
90	171	29736.6	72615.4		37	106304
91	2	6025.0	6025.0		62	123545
92	174	30977.7	79299.9		45	100229
93	1170	26880.7	70103.9		95	78773.2
94	28	18555.1	56515.8		34	114670
95	950	22344.7	69053.7		93	78773.2
96	37	21718.9	62107.8		75	103049
97	130	25017.8	64145.2		77	100917
98	3	18251.4	25882.2		9	92796.0
99	6	30504.8	65725.2		36	118413
100	238	7077.2	37665.0		60	76522.5

7989 Observation(s) were omitted due to missing values.

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Statistics for Variables				
Variable	Total STD	Within STD	R-Square	RSQ/(1-RSQ)
VALP	253558	24330	0.990817	107.900563
HINCP	86804	19726	0.948461	18.402772
OVER-ALL	177923	21801	0.985020	65.756888

Pseudo F Statistic =	33288.26
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Approximate Expected Over-All R-Squared =	0.99390
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Cubic Clustering Criterion =	-202.442
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WARNING: The two values above are invalid for correlated variables.

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Cluster Means		
Cluster	VALP	HINCP
1	137681.818	1246000.000
2	603478.261	337240.682
3	744492.754	201117.818
4	115600.000	1425000.000
5	2267000.000	815075.000
6	187685.714	617167.778
7	264756.373	61897.100
8	451518.519	494975.389
9	583333.333	829333.333
10	185569.679	33716.545
11	22337.143	318376.368
12	484104.918	42574.914
13	1116666.667	127548.582
14	833638.298	230266.246
15	794500.000	749500.000
16	544153.846	581041.077
17	542878.543	211238.071
18	1100000.000	583200.000
19	914615.385	473872.857
20	786047.059	111402.454
21	983333.333	768000.000
22	31879.520	30452.334
23	341703.704	570721.111
24	1112500.000	475302.381
25	1000000.000	894500.000
26	93819.389	40885.082
27	797388.889	314796.744
28	1107166.667	15138.725
29	548878.788	473473.227
30	427230.769	212334.393
31	204698.292	158230.228
32	330437.500	694328.000
33	221173.077	373334.348
34	2267000.000	572743.957
35	2267000.000	976181.909

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Cluster Means		
Cluster	VALP	HINCP
36	800000.000	903800.000
37	99982.456	353484.968
38	473260.394	131566.561
39	350000.000	1425000.000
40	2267000.000	482007.192
41	887125.000	9244.268
42	997833.333	497635.333
43	662068.966	262736.000
44	448636.364	638086.364
45	588857.143	78977.575
46	972500.000	369638.462
47	1125000.000	340750.000
48	423000.000	953000.000
49	948152.174	264649.525
50	848750.000	655775.000
51	805363.636	472200.000
52	354557.692	477322.808
53	110717.703	144519.052
54	14860.229	199904.625
55	700909.091	367129.167
56	2267000.000	219226.245
57	409285.714	851400.000
58	765000.000	1117700.000
59	154197.727	85161.017
60	2267000.000	104633.230
61	1100000.000	231800.000
62	1000000.000	987000.000
63	246693.548	510663.559
64	52411.176	92688.018
65	733888.889	662226.667
66	988888.889	640500.000
67	100000.000	759900.000
68	992653.061	67275.042
69	336800.000	1027000.000
70	2267000.000	316027.727

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Cluster Means		
Cluster	VALP	HINCP
71	132522.727	499420.000
72	286118.665	145997.890
73	650600.000	565643.200
74	511666.667	717942.857
75	57848.444	600371.429
76	389097.222	352450.465
77	998000.000	169265.926
78	696120.000	22962.924
79	502536.842	311039.379
80	900000.000	970010.000
81	694473.684	487954.627
82	226600.000	761910.000
83	267164.634	282491.179
84	784285.714	1989.733
85	345322.500	225623.802
86	607916.667	675552.308
87	773863.636	553634.750
88	894000.000	562036.364
89	1075000.000	703500.000
90	155071.429	262568.424
91	950000.000	1099975.000
92	649636.364	158674.925
93	370438.192	111030.733
94	2267000.000	687413.929
95	371982.558	32272.680
96	25536.452	502519.762
97	899880.000	145670.600
98	675000.000	814900.000
99	711666.667	982660.000
100	2267000.000	28110.777

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Cluster Standard Deviations		
Cluster	VALP	HINCP
1	2570.64683	.
2	29624.86878	32581.41055
3	28467.53734	21976.84351
4	4690.41576	.
5	0.00000	26147.45048
6	17742.88827	35347.56490
7	27258.55367	23726.13582
8	34982.33556	25894.66791
9	28867.51346	34034.29643
10	24298.90155	17659.33520
11	23191.36539	25517.49410
12	27621.18291	9911.66998
13	25000.00000	7155.30821
14	37219.34136	19693.65615
15	7778.17459	26162.95090
16	40199.18356	27076.37436
17	34860.83578	27805.29569
18	0.00000	35002.85703
19	25295.18045	17562.05334
20	31199.78094	16018.53537
21	28867.51346	43034.86958
22	18710.17634	15569.99336
23	39743.22856	29866.43245
24	30618.62178	1307.71520
25	0.00000	40305.08653
26	19903.09673	19417.80417
27	32165.00119	38881.26328
28	12335.58538	2413.20952
29	39924.35738	26940.03740
30	26903.97250	28174.62363
31	24395.23046	29590.18629
32	25497.63061	28808.58391
33	31518.88395	27085.96025
34	0.00000	26446.57319
35	0.00000	38084.88152

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Cluster Standard Deviations		
Cluster	VALP	HINCP
36	0.00000	14424.97834
37	18840.01368	23565.75574
38	28241.05250	25288.95771
39	0.00000	.
40	0.00000	25245.52221
41	25852.94954	4952.88308
42	15238.52498	32926.32976
43	32363.53919	25355.03669
44	31629.96278	42268.28652
45	30117.13292	17787.14804
46	38097.09817	28967.87124
47	35355.33906	17075.81135
48	3464.10162	.
49	40542.96343	25798.31112
50	36425.06986	26419.40575
51	34328.21196	22467.36870
52	33010.64205	23948.29167
53	23493.00300	25202.88441
54	21934.83897	28408.80130
55	13568.01051	26567.87378
56	0.00000	28693.01422
57	21761.69636	3676.95526
58	.	.
59	25931.48944	21298.92236
60	0.00000	18063.49860
61	35355.33906	34809.48147
62	0.00000	29698.48481
63	30460.18025	25214.84461
64	26708.42223	17337.82635
65	28259.70826	20200.41831
66	33333.33333	35656.54062
67	.	.
68	18575.91521	8004.88354
69	2049.39015	.
70	0.00000	32000.85057

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Cluster Standard Deviations		
Cluster	VALP	HINCP
71	27193.09816	25385.94943
72	26420.19542	26338.23488
73	37536.64876	22703.38130
74	20412.41452	27297.85444
75	12306.16790	11981.47379
76	30985.30307	33999.02519
77	17830.95222	28735.33953
78	32130.20806	8848.69721
79	28918.74549	31159.85734
80	.	.
81	32714.73306	18735.07918
82	4993.32888	.
83	28043.41014	34653.27582
84	22432.43825	4499.95791
85	28740.36386	29440.31476
86	28640.27150	21426.95116
87	27252.42751	22780.18225
88	15776.21275	30679.38307
89	35355.33906	12020.81528
90	27716.61146	31627.77024
91	0.00000	8520.63671
92	36059.52541	24878.74866
93	27180.61165	26577.48777
94	0.00000	26240.83690
95	28321.62175	14016.16351
96	20106.82779	23219.32699
97	28162.53119	21416.23845
98	25000.00000	6421.05910
99	20412.41452	38005.49960
100	0.00000	10008.73087

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Distance Between Cluster Centroids									
Nearest Cluster	1	2	3	4	5	6	7	8	9
1	.	1021180.603	1208303.888	180356.887	2172485.276	630817.211	1190902.020	813960.344	610095.389
2	1021180.603	.	195996.227	1192160.028	1730788.899	501241.081	436516.444	219025.115	492504.818
3	1208303.888	195996.227	.	1376006.428	1641636.908	695076.721	499529.182	414953.219	648557.702
4	180356.887	1192160.028	1376006.428	.	2236186.590	811042.076	1371239.272	988831.142	757359.392
5	2172485.276	1730788.899	1641636.908	2236186.590	.	2088711.365	2139218.664	1843484.953	1683727.040
6	630817.211	501241.081	695076.721	811042.076	2088711.365	.	560593.803	290755.444	448944.608
7	1190902.020	436516.444	499529.182	1371239.272	2139218.664	560593.803	.	471632.170	830933.001
8	813960.344	219025.115	414953.219	988831.142	1843484.953	290755.444	471632.170	.	359402.811
9	610095.389	492504.818	648557.702	757359.392	1683727.040	448944.608	830933.001	359402.811	.
10	1213228.925	516502.163	583453.674	1393041.783	2223257.344	583455.070	84051.628	532436.388	889506.604
11	934767.349	581447.213	731613.487	1110546.632	2298960.825	341491.517	352914.577	464094.675	758810.744
12	1252294.255	317927.522	304856.814	1430697.380	1943057.193	646545.670	220197.936	453572.555	792991.228
13	1486386.527	554376.331	379375.611	1638753.994	1340134.080	1050110.740	854436.227	759884.542	881445.563
14	1231288.138	253805.383	93789.972	1393903.777	1548072.042	752959.186	593274.653	464851.004	649256.459
15	823360.416	454364.447	550657.554	957708.442	1473959.406	621075.997	868001.186	427105.460	225753.676
16	779352.217	250914.366	429508.277	946533.181	1738669.246	358294.108	589553.574	126446.062	251364.430
17	1111268.030	139817.680	201868.050	1286773.085	1826804.269	539389.351	315681.274	298083.074	619417.745
18	1168486.253	554102.719	521892.897	1295249.242	1189813.017	912946.420	984575.355	654455.357	572298.927
19	1095356.605	339815.628	321460.761	1242203.054	1394762.722	740918.470	769441.849	463577.420	485901.171
20	1306785.781	290403.635	98871.669	1474800.926	1639626.990	783476.140	523636.094	508957.308	746001.074
21	971396.152	574320.003	615142.447	1088397.968	1284529.551	809818.185	1007439.404	597803.844	404674.904
22	1220143.539	648725.066	732764.852	1397058.450	2368838.595	607050.725	234990.217	626002.043	970727.645
23	705426.472	350769.197	546667.735	883694.124	1940740.748	160868.996	514609.334	133404.303	353928.184
24	1242676.671	527412.707	458918.847	1376856.992	1203459.880	935632.008	943171.874	661274.184	636675.173
25	931206.152	683935.258	738960.623	1031306.749	1269487.034	858351.711	1110770.355	678566.025	421731.912
26	1205912.882	589558.146	670112.198	1384286.279	2306964.239	583877.241	172223.569	578054.214	928048.785
27	1141206.784	195205.179	125383.010	1302838.194	1552428.791	680563.152	589623.292	389988.022	557285.998
28	1566818.544	597872.629	407578.937	1723633.740	1408939.816	1099037.853	843706.968	812476.288	968149.896
29	875146.024	146766.511	335324.160	1045530.347	1751751.201	388726.845	500120.441	99706.394	357524.168
30	1073453.857	216020.275	317460.200	1252066.936	1935987.361	470395.475	221425.628	283682.618	636439.866
31	1089832.228	437115.781	541495.527	1269899.272	2164378.291	459252.765	113521.120	417513.506	770547.774
32	584377.231	449513.748	643970.525	761601.420	1940323.209	162270.676	635832.410	233242.527	286675.326
33	876650.518	384005.217	550928.323	1056951.427	2092974.582	246122.216	314472.039	260491.008	582318.750
34	2233219.564	1680109.035	1567205.890	2314057.545	242331.043	2079788.781	2066384.295	1817146.378	1703106.442

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	10	11	12	13	14	15	16	17	18
1	1213228.925	934767.349	1252294.255	1486386.527	1231288.138	823360.416	779352.217	1111268.030	1168486.253
2	516502.163	581447.213	317927.522	554376.331	253805.383	454364.447	250914.366	139817.680	554102.719
3	583453.674	731613.487	304856.814	379375.611	93789.972	550657.554	429508.277	201868.050	521892.897
4	1393041.783	1110546.632	1430697.380	1638753.994	1393903.777	957708.442	946533.181	1286773.085	1295249.242
5	2223257.344	2298960.825	1943057.193	1340134.080	1548072.042	1473959.406	1738669.246	1826804.269	1189813.017
6	583455.070	341491.517	646545.670	1050110.740	752959.186	621075.997	358294.108	539389.351	912946.420
7	84051.628	352914.577	220197.936	854436.227	593274.653	868001.186	589553.574	315681.274	984575.355
8	532436.388	464094.675	453572.555	759884.542	464851.004	427105.460	126446.062	298083.074	654455.357
9	889506.604	758810.744	792991.228	881445.563	649256.459	225753.676	251364.430	619417.745	572298.927
10	.	328140.330	298666.636	935813.043	677218.370	939756.400	654329.236	398978.090	1066824.672
11	328140.330	.	537862.362	1110843.081	816071.662	884365.911	584196.389	531452.692	1109724.646
12	298666.636	537862.362	.	638243.598	396738.730	772067.473	541804.099	178610.189	819513.414
13	935813.043	1110843.081	638243.598	.	301091.308	700439.096	730360.440	579859.243	455956.130
14	677218.370	816071.662	396738.730	301091.308	.	520706.729	454801.308	291381.720	442166.022
15	939756.400	884365.911	772067.473	700439.096	520706.729	.	301747.586	594171.071	347830.332
16	654329.236	584196.389	541804.099	730360.440	454801.308	301747.586	.	369805.204	555850.346
17	398978.090	531452.692	178610.189	579859.243	291381.720	594171.071	369805.204	.	669880.582
18	1066824.672	1109724.646	819513.414	455956.130	442166.022	347830.332	555850.346	669880.582	.
19	851613.305	905726.017	609390.825	400955.389	256712.815	300662.647	385651.110	455154.161	215220.538
20	605481.779	791259.147	309687.401	331013.629	128037.210	638153.532	528273.379	262865.133	566709.250
21	1084250.451	1060978.364	880608.066	654183.305	558181.148	189737.392	477317.778	709918.494	218545.536
22	153724.819	288082.118	452387.851	1089123.884	826282.481	1048150.535	752045.843	542036.423	1202668.426
23	559242.111	407029.322	547006.866	892731.474	598255.096	486812.466	202713.004	411945.836	758398.969
24	1026741.385	1101399.486	762976.696	347778.759	371223.054	419890.860	578098.627	627852.343	108619.272
25	1185008.399	1134787.690	995953.858	775774.186	684750.097	251505.964	553219.859	822074.747	326967.414
26	92029.907	286550.390	390289.188	1026512.112	763673.519	996538.219	703256.442	480285.608	1143024.450
27	673296.981	775060.012	415032.012	370135.344	91975.130	434712.856	367442.556	274772.479	404492.018
28	921784.217	1126413.851	623665.525	112810.576	347990.832	798152.195	798266.188	597391.028	568106.480
29	570420.414	548909.045	435739.613	664866.103	374483.129	369486.886	107671.572	262303.793	561938.213
30	300506.935	418549.578	179033.375	694629.751	406802.938	650717.740	386801.790	115652.970	768218.547
31	125974.447	242698.115	302397.444	912484.345	633051.908	835144.297	542216.826	342309.382	991042.106
32	676309.235	486071.455	669623.596	969224.025	684517.607	467330.668	241885.517	527737.696	777544.773
33	341478.922	206291.319	422533.970	928611.551	628953.201	685714.488	384003.467	360235.492	903537.687
34	2150093.657	2259029.485	1860052.173	1233477.077	1473708.503	1483070.784	1722866.133	1761613.268	1167046.841

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	19	20	21	22	23	24	25	26	27
1	1095356.605	1306785.781	971396.152	1220143.539	705426.472	1242676.671	931206.152	1205912.882	1141206.784
2	339815.628	290403.635	574320.003	648725.066	350769.197	527412.707	683935.258	589558.146	195205.179
3	321460.761	98871.669	615142.447	732764.852	546667.735	458918.847	738960.623	670112.198	125383.010
4	1242203.054	1474800.926	1088397.968	1397058.450	883694.124	1376856.992	1031306.749	1384286.279	1302838.194
5	1394762.722	1639626.990	1284529.551	2368838.595	1940740.748	1203459.880	1269487.034	2306964.239	1552428.791
6	740918.470	783476.140	809818.185	607050.725	160868.996	935632.008	858351.711	583877.241	680563.152
7	769441.849	523636.094	1007439.404	234990.217	514609.334	943171.874	1110770.355	172223.569	589623.292
8	463577.420	508957.308	597803.844	626002.043	133404.303	661274.184	678566.025	578054.214	389988.022
9	485901.171	746001.074	404674.904	970727.645	353928.184	636675.173	421731.912	928048.785	557285.998
10	851613.305	605481.779	1084250.451	153724.819	559242.111	1026741.385	1185008.399	92029.907	673296.981
11	905726.017	791259.147	1060978.364	288082.118	407029.322	1101399.486	1134787.690	286550.390	775060.012
12	609390.825	309687.401	880608.066	452387.851	547006.866	762976.696	995953.858	390289.188	415032.012
13	400955.389	331013.629	654183.305	1089123.884	892731.474	347778.759	775774.186	1026512.112	370135.344
14	256712.815	128037.210	558181.148	826282.481	598255.096	371223.054	684750.097	763673.519	91975.130
15	300662.647	638153.532	189737.392	1048150.535	486812.466	419890.860	251505.964	996538.219	434712.856
16	385651.110	528273.379	477317.778	752045.843	202713.004	578098.627	553219.859	703256.442	367442.556
17	455154.161	262865.133	709918.494	542036.423	411945.836	627852.343	822074.747	480285.608	274772.479
18	215220.538	566709.250	218545.536	1202668.426	758398.969	108619.272	326967.414	1143024.450	404492.018
19	.	384596.682	302047.898	987848.353	581039.911	197889.779	429205.925	928000.259	197603.799
20	384596.682	.	685596.246	758499.571	639073.271	488870.821	811799.007	695810.209	203710.270
21	302047.898	685596.246	.	1203844.226	671273.075	319931.124	127593.212	1148882.571	489865.827
22	987848.353	758499.571	1203844.226	.	622801.234	1168602.664	1297626.924	62812.336	816612.722
23	581039.911	639073.271	671273.075	622801.234	.	776679.898	733612.147	584955.427	522633.973
24	197889.779	488870.821	319931.124	1168602.664	776679.898	.	434030.983	1107442.359	353634.093
25	429205.925	811799.007	127593.212	1297626.924	733612.147	434030.983	.	1244918.363	614090.488
26	928000.259	695810.209	1148882.571	62812.336	584955.427	1107442.359	1244918.363	.	755008.371
27	197603.799	203710.270	489865.827	816612.722	522633.973	353634.093	614090.488	755008.371	.
28	497506.784	335237.987	762977.584	1075396.185	945835.787	460194.562	885867.341	1013674.297	430995.591
29	365736.815	432832.570	524877.864	680849.290	228863.860	563624.180	617068.790	627862.693	294848.261
30	553123.975	372741.715	786138.874	435182.368	368450.701	733993.244	890738.181	374910.676	384077.553
31	776925.059	583231.711	988985.188	214926.775	434648.377	961581.349	1083788.717	161443.534	613021.384
32	624391.120	739852.866	657039.217	727920.166	124119.258	812153.911	698843.882	694964.588	601737.130
33	700692.676	622648.322	858282.723	391663.282	231277.250	897140.548	937115.261	356007.692	579181.589
34	1355993.968	1551147.187	1298431.759	2299966.036	1925297.359	1158604.812	1307216.872	2237317.106	1492076.936

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	28	29	30	31	32	33	34	35	36
1	1566818.544	875146.024	1073453.857	1089832.228	584377.231	876650.518	2233219.564	2146345.201	745497.293
2	597872.629	146766.511	216020.275	437115.781	449513.748	384005.217	1680109.035	1782007.427	599675.125
3	407578.937	335324.160	317460.200	541495.527	643970.525	550928.323	1567205.890	1708435.735	704871.125
4	1723633.740	1045530.347	1252066.936	1269899.272	761601.420	1056951.427	2314057.545	2197716.915	860263.216
5	1408939.816	1751751.201	1935987.361	2164378.291	1940323.209	2092974.582	242331.043	161106.909	1469680.620
6	1099037.853	388726.845	470395.475	459252.765	162270.676	246122.216	2079788.781	2110080.341	676081.959
7	843706.968	500120.441	221425.628	113521.120	635832.410	314472.039	2066384.295	2201112.504	997640.333
8	812476.288	99706.394	283682.618	417513.506	233242.527	260491.008	1817146.378	1878172.709	537193.546
9	968149.896	357524.168	636439.866	770547.774	286675.326	582318.750	1703106.442	1690058.564	229106.370
10	921784.217	570420.414	300506.935	125974.447	676309.235	341478.922	2150093.657	2284861.734	1065161.884
11	1126413.851	548909.045	418549.578	242698.115	486071.455	206291.319	2259029.485	2339063.802	973386.022
12	623665.525	435739.613	179033.375	302397.444	669623.596	422533.970	1860052.173	2012544.880	917332.192
13	112810.576	664866.103	694629.751	912484.345	969224.025	928611.551	1233477.077	1429491.273	838357.943
14	347990.832	374483.129	406802.938	633051.908	684517.607	628953.201	1473708.503	1615832.895	674373.229
15	798152.195	369486.886	650717.740	835144.297	467330.668	685714.488	1483070.784	1489845.944	154397.992
16	798266.188	107671.572	386801.790	542216.826	241885.517	384003.467	1722866.133	1767578.894	411862.328
17	597391.028	262303.793	115652.970	342309.382	527737.696	360235.492	1761613.268	1886195.609	738751.290
18	568106.480	561938.213	768218.547	991042.106	777544.773	903537.687	1167046.841	1231390.994	439072.158
19	497506.784	365736.815	553123.975	776925.059	624391.120	700692.676	1355993.968	1442656.762	444942.732
20	335237.987	432832.570	372741.715	583231.711	739852.866	622648.322	1551147.187	1714953.387	792520.382
21	762977.584	524877.864	786138.874	988985.188	657039.217	858282.723	1298431.759	1300438.318	228150.720
22	1075396.185	680849.290	435182.368	214926.775	727920.166	391663.282	2299966.036	2426966.829	1163075.758
23	945835.787	228863.860	368450.701	434648.377	124119.258	231277.250	1925297.359	1967527.455	566548.358
24	460194.562	563624.180	733993.244	961581.349	812153.911	897140.548	1158604.812	1258471.514	530345.604
25	885867.341	617068.790	890738.181	1083788.717	698843.882	937115.261	1307216.872	1269630.235	200216.108
26	1013674.297	627862.693	374910.676	161443.534	694964.588	356007.692	2237317.106	2365902.391	1115039.556
27	430995.591	294848.261	384077.553	613021.384	601737.130	579181.589	1492076.936	1611579.087	589009.044
28	.	722326.707	707954.063	913741.947	1031797.591	955661.418	1286909.847	1506259.394	940250.085
29	722326.707	.	288082.855	466731.574	310633.911	342664.308	1720986.687	1790155.445	498239.897
30	707954.063	288082.855	.	229015.205	491616.491	261497.147	1874738.882	1992037.613	785545.406
31	913741.947	466731.574	229015.205	.	550646.138	215734.097	2103546.996	2218588.129	954074.634
32	1031797.591	310633.911	491616.491	550646.138	.	339080.579	1940375.478	1956966.004	514166.763
33	955661.418	342664.308	261497.147	215734.097	339080.579	.	2055522.316	2132799.330	785133.374
34	1286909.847	1720986.687	1874738.882	2103546.996	1940375.478	2055522.316	.	403437.953	1503890.656

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	37	38	39	40	41	42	43	44	45
1	893310.878	1163862.050	277704.898	2262229.195	1446108.510	1140136.090	1114356.305	682826.273	1251199.630
2	503757.781	243430.764	1116902.665	1669808.947	433632.471	425725.695	94783.006	338355.046	258676.651
3	662275.828	280007.804	1285889.625	1548201.265	239080.357	390005.239	102910.064	527704.949	197840.043
4	1071628.841	1341972.809	234400.000	2348990.718	1612332.199	1279976.906	1284323.143	854485.980	1426796.654
5	2215633.181	1919553.480	2011690.211	333067.808	1597941.859	1308262.959	1697316.116	1826956.839	1832485.435
6	277885.742	563348.418	823977.443	2083702.542	926707.240	818918.293	592166.661	261787.755	671257.931
7	334923.765	219835.758	1365765.717	2045842.621	624591.890	852801.054	445189.353	604818.914	324550.538
8	378942.136	364058.629	935548.923	1815527.798	652447.491	546321.290	313475.078	143139.994	438082.274
9	678277.036	706395.442	639736.838	1719118.638	874548.713	530880.225	572041.815	233920.237	750376.090
10	331024.194	303875.917	1400966.446	2129158.680	701982.023	935410.545	528678.996	659141.077	405819.343
11	85213.898	488087.782	1154113.863	2250619.112	918379.384	991829.922	642146.911	532865.374	615025.766
12	494181.269	89649.968	1388914.413	1836250.419	404395.992	686292.117	283093.811	596566.765	110897.170
13	1041486.454	643418.819	1507036.150	1203705.813	258234.947	388697.266	474272.820	840781.370	530039.655
14	743931.279	373649.383	1288912.233	1455300.406	227401.720	313761.435	174614.778	560841.990	287760.449
15	799488.915	696445.705	808628.778	1496599.029	746028.109	323697.783	504457.303	363365.729	701348.207
16	499069.140	455031.012	866003.683	1725690.175	666768.928	461282.555	339443.806	111255.356	504049.745
17	465178.592	105802.818	1228991.518	1745253.769	399132.961	537593.948	129839.877	437128.188	140024.536
18	1026062.417	772512.328	1127442.788	1171379.095	612160.884	133264.174	542660.821	653672.012	717988.353
19	823480.450	558540.803	1106089.225	1352409.078	465441.132	86544.106	329178.472	494067.327	511918.662
20	727522.221	313435.941	1384079.315	1526620.282	143711.674	440487.529	195633.356	625493.340	199838.024
21	975772.250	815611.382	912556.908	1315139.535	764830.899	270753.214	598750.786	550253.035	793954.260
22	330133.447	452814.711	1430371.921	2280277.472	855508.395	1072998.940	671635.645	736821.132	559087.445
23	324993.390	458436.344	854319.173	1927339.095	782777.514	660187.566	444397.041	126383.033	550360.362
24	1019819.228	725797.209	1217921.105	1154519.469	517691.081	116821.253	498068.854	683530.213	656715.459
25	1050108.968	927104.118	839005.512	1332456.122	892422.813	396870.581	716465.725	608070.565	913299.116
26	312660.634	390126.399	1407623.037	2217499.196	793936.354	1012848.461	610020.829	694654.200	496501.174
27	698478.712	372333.965	1196957.847	1479093.017	318457.038	271307.805	144988.974	475546.530	314795.441
28	1062496.218	644509.584	1600315.649	1250271.781	220120.603	494728.971	509329.337	906490.993	522226.159
29	464655.893	350168.974	972088.459	1718142.406	574385.782	449604.261	239211.612	192733.049	396516.190
30	356391.559	92963.267	1215122.408	1859428.472	502740.790	637952.908	240185.971	426289.737	209540.272
31	221562.225	269882.481	1275075.779	2087563.138	698500.557	862704.479	469158.171	538300.746	392248.653
32	411440.761	580602.115	730933.829	1948166.944	882746.109	695776.691	544289.522	130897.261	667410.562
33	122805.393	349284.523	1059526.791	2048711.201	758981.917	786544.270	454556.024	349046.095	470996.266
34	2178081.619	1847197.680	2097910.714	90736.764	1490498.881	1271387.169	1634597.369	1819537.288	1749276.619

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	46	47	48	49	50	51	52	53	54
1	1210343.316	1339505.414	408968.782	1272757.225	924112.282	1022039.848	798686.278	1101810.938	1053280.910
2	370441.170	521533.546	641663.417	352235.124	402022.808	242840.941	285629.920	529107.356	604427.316
3	283525.152	405318.283	817731.255	213338.785	466457.636	277832.348	477847.830	636297.285	729633.533
4	1359435.760	1481379.905	563275.031	1428130.368	1062645.766	1176266.005	977339.675	1280490.256	1229230.320
5	1368993.776	1236587.322	1849150.969	1429100.344	1427168.369	1501314.133	1942038.137	2258140.523	2334645.185
6	822924.192	977223.034	410068.402	838199.472	662190.688	634461.718	217722.008	478874.611	451638.337
7	771755.005	904310.808	905044.432	712838.247	832910.269	678678.630	425020.936	174797.880	285471.820
8	535846.106	690914.449	458911.593	547444.053	428543.306	354577.334	98554.632	488840.301	527007.796
9	602303.968	729463.125	202485.116	672280.143	317125.373	420525.473	419821.038	832067.385	848140.418
10	855630.098	988331.357	949449.961	796782.344	909266.111	759218.210	474703.555	133716.169	238243.981
11	951544.669	1102889.820	750518.407	927372.657	892634.330	797992.606	368285.846	195032.023	118707.448
12	587792.753	706862.708	912473.368	514448.237	713428.609	536455.849	453638.859	387053.768	494917.383
13	281765.039	213364.217	1078213.099	217241.346	592285.817	464428.871	838541.649	1006092.100	1104179.706
14	196741.421	311606.003	831244.784	119564.366	425777.011	243580.372	539031.698	727988.164	819340.805
15	419498.258	525648.944	423585.292	508614.760	108293.297	277512.718	517329.352	912995.168	953883.247
16	477672.998	628587.350	391192.657	513145.460	313630.318	282978.682	216111.501	615157.190	652239.778
17	457892.215	596354.535	751386.468	408778.057	539602.103	370134.506	325984.401	437280.709	528139.931
18	248726.317	243735.518	771414.960	352891.156	261521.879	314851.690	752923.777	1082183.181	1150844.762
19	119228.511	248964.619	686475.422	211894.122	193459.656	109264.555	560068.318	868749.337	940541.297
20	318513.006	409254.680	916564.017	223075.622	547971.831	361314.267	565756.820	676140.849	776248.517
21	398508.816	450124.435	590083.422	504578.453	175234.484	345211.316	692713.532	1072467.496	1122796.735
22	999907.054	1136308.508	1002032.647	945729.296	1028739.918	890740.523	551193.635	138660.288	170304.830
23	662071.144	816357.642	390827.630	679308.150	514130.441	474011.543	94278.673	484770.799	494299.022
24	175399.156	135131.762	838811.818	267179.404	319584.775	307152.032	757945.001	1054981.223	1131661.164
25	525581.473	567683.065	579957.973	631980.869	282606.065	464995.273	768526.241	1163311.835	1205389.192
26	938167.577	1073895.909	969697.633	883150.629	973657.969	832062.363	508391.927	105002.632	177543.696
27	183497.998	328637.508	739912.452	158884.586	344824.789	157605.145	471714.098	707468.593	790918.012
28	379216.527	326099.264	1160890.950	295873.703	690792.306	547713.500	883195.558	1004813.319	1107822.996
29	436161.197	591211.558	495773.532	450584.704	350936.861	256488.009	194359.223	547901.438	600013.001
30	567506.039	709487.468	740677.691	523541.768	611815.360	458818.700	274773.063	323696.527	412557.828
31	796374.851	938226.359	824205.451	751031.784	813850.971	677772.730	352530.728	94975.510	194358.549
32	719491.175	869682.108	274734.454	752459.308	519744.342	524304.953	218341.561	592086.707	586552.204
33	751336.013	904414.090	613796.689	735058.500	688204.560	592497.280	169130.291	254080.360	269523.394
34	1310336.633	1165326.219	1882798.624	1354356.588	1420678.435	1465090.423	1914821.343	2198392.575	2282792.745

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	55	56	57	58	59	60	61	62	63
1	1043857.702	2363950.140	479038.450	640303.827	1160956.468	2415929.226	1398090.814	900374.170	743372.880
2	101912.159	1667702.607	549609.452	796998.130	515167.114	1679705.570	507593.907	761194.234	396699.919
3	171637.127	1522614.932	731594.611	916811.564	601576.427	1525561.402	356828.808	826374.465	586193.325
4	1208998.524	2466254.713	644413.112	718438.341	1340394.825	2524260.360	1546857.977	986918.112	923686.443
5	1628894.166	595848.755	1858069.394	1532183.374	2235331.713	710441.770	1304645.057	1278611.437	2043111.471
6	570891.882	2117051.100	322445.800	764083.955	533059.696	2141550.738	990366.437	892541.524	121758.257
7	532349.329	2008415.296	802622.925	1168316.503	112979.750	2002699.658	852349.055	1181693.093	449129.826
8	280250.449	1836303.515	358917.976	697177.582	506307.686	1856970.654	699849.639	736831.157	205424.894
9	476924.261	1790799.850	175440.906	340819.765	859040.049	1833009.461	789930.711	445499.595	463548.023
10	613790.425	2089680.844	847735.276	1229129.622	60255.565	2082638.077	935638.748	1253812.623	480847.775
11	680321.045	2246851.595	658667.890	1091084.959	267911.579	2254816.505	1081134.914	1184433.292	295482.928
12	390306.946	1791625.119	812278.236	1111213.749	332644.451	1783974.806	644308.067	1076144.264	524853.444
13	479847.078	1153980.750	1012101.125	1050747.008	963401.871	1150561.555	105575.262	867333.759	950594.715
14	190652.829	1433404.218	752251.457	890084.200	694762.561	1438856.985	266366.118	774804.614	650481.969
15	393658.116	1565070.767	398464.121	369379.872	922677.238	1607516.532	601118.574	314064.484	597607.525
16	265199.005	1760428.596	302131.363	580323.895	630842.935	1787501.974	656455.845	610408.358	305672.412
17	221981.278	1724139.963	653952.857	933279.792	408617.425	1727414.077	557500.772	900425.786	421166.444
18	453828.336	1222442.593	740957.127	630805.239	1068917.568	1261314.851	351400.000	415998.125	856383.930
19	238881.970	1376150.081	630781.118	660982.718	854009.314	1401885.177	304904.450	520182.658	668934.328
20	269526.669	1484872.918	830388.752	1006517.625	632394.015	1480968.412	336246.960	901358.377	671052.636
21	490368.104	1396048.977	580074.331	412261.488	1074120.538	1444941.377	548745.434	219633.280	780294.955
22	748967.193	2243078.053	903543.306	1311324.951	133995.462	2236351.128	1086932.492	1360970.500	526068.330
23	412890.046	1957118.921	288700.479	691639.834	520506.577	1980909.827	830590.629	778872.343	112400.352
24	425568.468	1182558.767	797470.846	730363.575	1034675.568	1212545.203	243823.009	523918.604	866528.260
25	606279.942	1435717.118	592284.541	324103.749	1170645.580	1493043.373	670202.425	92500.000	845459.061
26	689197.439	2180486.079	869743.316	1268863.185	74872.573	2174115.405	1024132.769	1310075.089	494026.646
27	109758.981	1472715.362	662244.010	803556.270	682954.931	1484562.400	313786.462	702074.412	584490.520
28	537533.709	1177652.358	1089206.474	1154434.663	955538.027	1163280.975	216779.771	977752.030	992954.605
29	185532.402	1736831.030	402883.199	679511.967	553678.167	1757265.900	601781.139	683534.999	304465.170
30	314422.082	1839782.139	639317.508	966320.307	301197.791	1842918.979	673050.776	963416.522	348703.283
31	538390.122	2063203.540	722731.171	1111089.666	88822.389	2062998.054	898319.353	1148635.774	354926.548
32	494275.506	1993989.968	175751.683	606702.907	634148.934	2024355.265	897863.348	730733.085	201855.583
33	479776.143	2051623.042	513744.228	921861.132	295853.961	2063397.221	890150.960	991542.691	139680.374
34	1579530.999	353517.711	1878497.154	1597805.085	2168333.592	468110.726	1215784.431	1333003.027	2021260.036

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	64	65	66	67	68	69	70	71	72
1	1156459.948	834418.466	1044597.400	487558.334	1456148.465	295988.260	2323541.338	746597.825	1109972.134
2	602893.803	350175.416	490415.708	657366.913	473643.824	739516.877	1663656.986	498097.627	370527.891
3	700524.041	461230.758	502778.453	852999.670	281952.881	921029.185	1526837.451	680802.104	461676.306
4	1333809.599	981888.134	1173913.853	665282.925	1616366.027	455338.819	2420401.095	925734.689	1290318.957
5	2329430.534	1540711.619	1289978.466	2167702.304	1477553.687	1941799.229	499047.273	2157691.198	2090826.402
6	541643.997	548058.584	801542.837	167514.990	974861.247	436116.407	2101007.670	130028.821	481341.987
7	214565.988	761892.976	926903.024	717183.875	727916.555	967788.144	2018306.696	457068.950	86771.484
8	566676.098	328185.947	556726.439	440170.783	689749.360	544252.263	1824279.385	319026.753	386189.598
9	908033.401	224925.795	447362.645	488295.094	865029.178	315991.765	1760175.017	558634.952	745173.729
10	145632.488	834073.696	1006731.302	731207.618	807780.762	1004730.129	2100488.464	468714.932	150722.259
11	227683.287	790277.745	1018815.936	448301.948	1002279.830	775264.045	2244664.086	211937.867	315111.141
12	434592.695	668102.033	782509.594	813690.277	509147.631	995385.095	1803743.694	576469.834	223371.593
13	1064826.281	657570.894	528626.822	1197280.012	137885.003	1190464.141	1165671.980	1052058.765	830752.887
14	793248.754	443328.038	438627.950	904840.906	227709.964	938953.124	1435925.068	751003.852	553966.519
15	991008.478	106256.019	222863.277	694577.865	710419.262	535252.781	1534977.023	707639.680	789092.123
16	693036.481	206374.626	448692.124	478814.320	681987.598	491807.868	1743109.562	419645.300	505810.962
17	504591.273	489771.034	619024.258	705103.762	472252.550	841389.262	1727303.005	501438.649	264918.697
18	1156738.669	374543.135	125015.875	1015491.452	526974.314	882854.847	1197192.559	971098.019	923876.892
19	942707.791	261034.909	182431.242	863371.155	414018.915	799887.651	1361564.994	782509.796	708879.482
20	733874.539	553288.160	566647.176	944039.001	211265.872	1019873.417	1495022.781	760033.991	501123.980
21	1150070.579	270943.774	127620.979	883370.470	700786.932	696481.408	1360911.109	892196.113	934341.971
22	65534.947	944434.202	1134911.929	732621.524	961478.918	1042153.420	2253290.231	479645.418	279263.887
23	558753.796	402718.867	650936.062	306935.388	822917.377	456305.239	1942069.656	220998.935	428345.084
24	1127023.543	422240.526	206324.890	1051737.636	425264.151	951882.741	1165434.968	980274.000	889577.179
25	1241300.542	353222.345	254242.909	910009.429	827257.583	676306.506	1392809.811	953207.755	1034350.989
26	66318.808	892050.632	1077352.060	719041.482	899220.997	1015609.280	2190529.033	460165.427	219152.263
27	777382.839	353185.223	377829.143	827325.916	315269.868	848160.128	1469611.627	690023.738	538414.612
28	1057602.495	747033.536	636448.236	1252618.877	125823.533	1271742.128	1198226.837	1088328.609	831410.814
29	625681.601	264303.989	470645.123	532477.664	601608.320	592764.119	1725320.140	417163.762	419860.665
30	393452.643	544465.114	706247.570	637893.463	583733.315	819669.309	1842689.103	411425.541	155926.770
31	165792.482	730790.734	920618.827	610711.263	793186.966	878755.812	2068329.854	348740.265	82334.119
32	662773.947	404726.474	660647.928	239585.326	911989.507	332732.837	1973166.342	277775.783	550118.231
33	327479.682	588503.420	812874.562	405112.229	829972.087	663813.506	2046629.387	154131.360	236431.373
34	2266022.366	1535720.298	1279905.814	2175066.984	1370933.603	1982932.322	256716.229	2135736.320	2026327.483

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	73	74	75	76	77	78	79	80	81
1	852038.988	647077.285	650545.632	928245.914	1378224.815	1344497.264	1003628.692	810740.088	940558.329
2	233212.711	391616.541	605763.722	214919.909	428792.399	327647.678	104286.520	698800.509	176053.572
3	376423.436	566847.517	794281.973	386273.936	255500.425	184605.226	265754.422	784460.127	291165.352
4	1012284.105	810431.125	826648.367	1106870.921	1534763.117	1517468.758	1179249.077	906807.179	1101430.331
5	1635532.079	1758018.704	2219560.366	1934047.648	1423878.633	1759291.197	1835042.818	1375752.105	1606190.136
6	465772.925	339292.314	130919.189	332628.699	925864.629	782038.894	439142.152	794914.634	523001.037
7	634535.608	700971.275	576858.296	316040.986	741062.940	433117.130	344400.097	1108243.432	605129.725
8	211251.925	230937.852	407534.603	155594.898	636182.886	531625.481	190880.395	653294.360	243056.585
9	272134.692	132453.574	573199.723	514922.263	779511.018	814219.914	524553.807	346507.868	359014.761
10	706540.279	757961.010	580870.443	378172.940	823660.526	510663.559	421160.465	1177733.467	682140.398
11	675170.426	631741.056	284222.213	368339.517	986991.355	735698.608	480255.747	1093123.269	693198.612
12	548927.175	675930.106	702019.610	324113.127	529281.369	212920.232	269096.460	1016417.511	492562.794
13	639644.457	845334.490	1159593.667	761536.705	125785.987	433356.272	640955.781	869876.821	555103.082
14	382074.233	584375.058	859550.896	461026.844	175316.309	248768.868	340811.492	742714.411	292865.312
15	233474.909	284588.383	751594.868	567450.214	614885.218	733167.612	526773.388	244448.175	280020.081
16	107554.071	140703.640	486689.435	276217.712	612809.192	578398.597	273190.212	527184.321	176808.204
17	370414.508	507665.166	621835.160	208781.308	457052.734	242756.000	107646.429	838612.291	315520.426
18	449742.817	603565.861	1042293.012	747414.281	426316.101	690640.743	656531.514	435456.055	416561.249
19	279510.141	471102.785	866055.124	539363.269	315813.832	501058.880	443084.040	496352.369	220591.624
20	474004.812	665714.549	877133.901	464406.413	219709.423	126128.610	346746.226	866136.358	387527.060
21	389435.162	474315.467	940543.257	725119.281	598913.685	798480.897	663308.582	218523.419	402324.878
22	818073.527	838354.893	570510.438	480923.365	976042.005	664282.701	547948.360	1279219.206	805195.240
23	308938.031	224859.181	285399.631	223356.712	769344.587	652418.533	305453.598	686386.459	362349.210
24	470651.754	647977.696	1062041.511	733760.296	326754.590	614803.455	631694.062	538416.083	418217.742
25	479819.919	519270.516	986996.034	816712.864	725236.832	922995.086	766743.692	125306.664	508552.328
26	765098.511	795615.221	560641.491	429257.483	913249.265	602567.200	489931.935	1230122.064	748770.166
27	290638.818	494129.515	792762.871	410024.253	247838.731	308905.108	294875.986	663199.406	201432.847
28	715198.083	921169.853	1201484.935	793349.190	188871.795	411121.126	673152.599	977086.065	627590.930
29	137268.018	247285.547	507162.648	200441.158	542449.947	473961.505	168915.159	608140.504	146313.310
30	417996.324	512610.320	535738.783	145212.538	572391.830	328881.394	124151.838	893075.065	383907.918
31	603998.065	638363.384	465890.243	267814.237	793378.463	509698.478	334751.308	1068845.575	590421.979
32	345056.233	182761.244	288327.298	346873.481	849311.411	764496.407	420152.771	632773.266	418464.231
33	470521.176	450712.270	279679.766	169217.774	803183.658	590198.877	288177.431	903785.276	486981.800
34	1616415.597	1761328.428	2209324.302	1890779.751	1331598.859	1664308.613	1783765.546	1423555.166	1574810.542

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	82	83	84	85	86	87	88	89	90
1	492188.552	972170.277	1402019.309	1041288.739	739277.608	940264.295	1019717.337	1082991.978	983585.310
2	567786.274	340740.904	380899.637	281252.066	338340.739	275422.528	367336.330	597058.321	454581.822
3	763348.397	484214.578	203065.196	399921.786	493701.441	353738.372	390659.203	601350.893	592615.959
4	672316.405	1152518.218	1572290.941	1221177.993	896686.982	1092056.965	1162158.680	1200421.014	1163101.527
5	2041092.520	2069537.875	1691020.196	2010049.036	1664939.665	1515851.973	1396122.327	1197210.500	2183003.849
6	149882.062	343984.483	856957.167	422085.348	424267.376	589610.890	708462.662	891504.287	356096.045
7	701052.045	220607.225	522971.920	182475.571	703087.264	707810.796	803795.263	1033512.949	228691.424
8	349059.345	281311.027	594784.720	289530.433	238889.942	327638.971	447534.396	657428.073	376688.033
9	363049.001	631663.667	851398.433	648933.244	155733.568	335129.087	409830.999	507513.683	710373.649
10	729348.474	261813.971	599556.070	249698.537	768329.438	785114.463	883739.414	1113416.442	230875.131
11	488308.711	247443.422	825024.926	336039.550	685914.011	787488.779	905078.079	1120901.112	143989.295
12	764036.484	323454.635	302911.980	229711.678	644972.658	587488.102	661705.505	886554.548	395803.211
13	1092992.717	863516.596	355305.674	777554.225	747753.064	546866.839	488221.340	577456.619	971028.197
14	806932.820	568875.958	233550.517	488337.865	499229.337	328846.772	337216.467	531230.324	679335.283
15	568035.578	704400.331	747580.050	690077.312	200702.769	196949.373	212233.044	284246.812	803723.371
16	365450.424	407253.072	626868.226	407253.414	114009.079	231338.917	350361.971	544787.873	502802.106
17	635036.762	284772.128	319471.892	198079.124	468847.169	413024.938	496332.267	724896.580	391189.421
18	891495.835	885460.638	661423.378	835104.105	500674.501	327473.711	207084.281	122870.216	997844.984
19	745875.704	675144.000	489550.310	621065.199	367067.711	161780.760	90541.692	280092.573	788388.600
20	857986.643	546360.982	109426.897	455285.244	591604.170	442400.090	463384.029	658842.399	648830.792
21	756757.838	865226.225	791449.104	837394.628	386631.930	299716.557	224502.704	112084.913	970298.336
22	756932.218	344793.655	752944.355	369240.307	864854.191	907887.807	1012834.292	1241407.869	262781.518
23	223163.738	297712.221	720648.469	345116.282	286109.981	432497.574	552364.575	745220.566	360263.354
24	931108.338	867045.581	575976.979	806784.178	542866.810	347578.116	235085.163	231258.304	980777.857
25	784683.164	954778.755	918208.707	935947.646	449073.972	409055.954	348952.818	205197.466	1055102.747
26	733149.114	297358.505	691560.984	312061.228	816760.981	851687.972	954928.097	1183965.338	229989.819
27	725058.770	531207.502	313081.330	460777.423	407485.337	239993.814	265445.167	477659.032	644437.365
28	1154584.337	881521.837	323148.581	790386.299	827886.866	633299.991	586972.789	689112.428	983720.895
29	432503.629	340348.361	526984.920	320724.960	210526.544	238838.966	356303.354	574208.887	446727.067
30	585052.180	174765.964	414406.937	82979.353	497210.449	486456.862	583236.644	812925.968	276756.508
31	604076.942	139078.495	600277.163	155939.288	655901.815	693032.413	798871.854	1027007.394	115539.105
32	123893.314	416668.960	827834.813	468940.495	278113.672	465211.059	578881.480	744618.991	466014.581
33	388613.547	101821.926	674531.441	192954.618	490822.065	581356.250	698787.893	915439.661	128990.378
34	2049150.056	2020788.996	1588773.752	1952776.694	1662265.642	1493258.639	1373041.752	1199150.175	2134584.538

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	91	92	93	94	95	96	97	98	99
1	825338.797	1201820.816	1158589.991	2201366.466	1236135.447	751890.582	1338533.099	688881.730	631511.332
2	837759.486	184435.083	324774.714	1699978.200	382878.234	601110.563	352920.795	482984.248	654424.043
3	922050.683	103918.881	384749.916	1598284.149	408989.641	779577.639	164983.606	617703.658	782231.253
4	895468.933	1374326.756	1338453.488	2274325.213	1416129.021	926866.351	1500592.827	827738.105	742266.897
5	1347463.176	1745487.379	2023023.733	127661.071	2050334.260	2263150.374	1522208.706	1592000.010	1564335.805
6	902344.659	650856.434	538120.039	2080500.522	613243.509	198586.382	854125.453	525902.315	638858.829
7	1243850.697	396860.876	116545.102	2097677.488	111243.251	501372.617	640624.711	857504.053	1023490.659
8	783905.809	390318.693	392412.434	1825652.103	469488.834	426048.869	568367.710	390250.854	552732.611
9	455731.671	673927.883	749188.206	1689637.405	824605.866	646486.250	753390.022	92796.007	199946.271
10	1311968.296	480595.968	200384.258	2181667.356	186418.471	495365.613	723030.390	921840.350	1085021.531
11	1213035.365	647308.940	405174.719	2274796.708	451782.289	184171.184	894376.178	820063.730	957312.872
12	1155488.281	202187.715	132688.823	1895925.164	112594.670	649487.722	428366.244	795567.075	967235.399
13	986605.755	468066.398	746411.265	1279342.012	750754.233	1153762.771	217542.792	817019.838	946171.515
14	877458.467	197438.672	478300.581	1504496.518	502322.082	852731.242	107444.807	605774.492	762216.137
15	383422.711	608325.359	766466.844	1473808.309	832427.785	807653.500	612955.862	136225.585	247436.753
16	658789.433	435338.635	501085.674	1726126.894	575143.204	524527.977	562217.528	267975.208	435153.196
17	977548.571	118996.289	199442.185	1788669.407	247455.145	593706.882	362972.635	617951.295	789671.592
18	538104.451	618909.480	869024.884	1171643.949	912978.810	1077488.384	481123.675	484055.668	557109.567
19	627101.239	411781.031	654051.393	1369139.853	699614.966	889540.328	328532.880	416791.368	547770.517
20	1002075.968	144369.541	415609.033	1589028.267	421557.744	855189.530	118879.117	712208.008	874426.758
21	333644.289	694716.283	898470.407	1286193.697	956579.562	993908.760	627899.945	311879.872	346239.359
22	1409547.427	630923.570	348015.593	2329669.955	340107.910	472110.041	875614.117	1014377.688	1169961.540
23	806308.913	514397.300	460587.576	1928829.449	539299.102	323439.570	701590.133	413170.365	553684.244
24	645462.726	560799.154	826649.600	1173823.478	862926.067	1087304.254	392255.498	553834.626	646590.376
25	211470.981	814980.502	1005073.213	1283812.152	1066696.704	1050346.473	755492.875	334605.977	301510.028
26	1361879.839	568161.031	285374.096	2267314.164	278296.465	466657.409	812842.982	967920.450	1126354.854
27	799871.893	214953.090	473082.958	1516113.579	510676.407	794352.640	197757.630	514861.445	673342.133
28	1096161.988	479517.068	742942.880	1340584.690	735383.741	1186365.962	244961.900	909057.822	1045235.699
29	743910.410	330529.968	403987.139	1731389.940	475342.191	524147.787	480267.023	363976.375	534575.591
30	1030142.474	228787.209	116137.110	1900118.783	188346.980	495546.036	477327.306	651517.385	821160.959
31	1200982.036	444938.294	172329.646	2129113.365	209402.315	388116.282	695295.154	807712.130	967833.344
32	740545.191	623548.018	584667.219	1936574.843	663357.549	360215.282	790752.618	365049.207	477986.422
33	1029172.153	479227.979	301800.035	2069795.589	372916.292	234440.953	715872.803	633197.522	782215.899
34	1418612.552	1669526.368	1951954.352	114669.972	1970583.747	2242563.327	1432273.977	1610311.631	1608444.261

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids	
Nearest Cluster	100
1	2453008.373
2	1692000.554
3	1532305.371
4	2565116.266
5	786964.223
6	2161142.302
7	2002528.666
8	1874549.433
9	1864588.702
10	2081437.870
11	2263352.702
12	1782953.753
13	1154623.166
14	1447547.099
15	1639712.981
16	1809400.670
17	1733819.600
18	1292289.846
19	1423955.048
20	1483293.335
21	1481632.941
22	2235121.707
23	2000297.929
24	1238083.430
25	1534900.415
26	2173218.156
27	1497312.813
28	1159905.873
29	1774905.127
30	1848969.757
31	2066402.527
32	2047955.005
33	2074749.892
34	544633.179

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	1	2	3	4	5	6	7	8	9
35	2146345.201	1782007.427	1708435.735	2197716.915	161106.909	2110080.341	2201112.504	1878172.709	1690058.564
36	745497.293	599675.125	704871.125	860263.216	1469680.620	676081.959	997640.333	537193.546	229106.370
37	893310.878	503757.781	662275.828	1071628.841	2215633.181	277885.742	334923.765	378942.136	678277.036
38	1163862.050	243430.764	280007.804	1341972.809	1919553.480	563348.418	219835.758	364058.629	706395.442
39	277704.898	1116902.665	1285889.625	234400.000	2011690.211	823977.443	1365765.717	935548.923	639736.838
40	2262229.195	1669808.947	1548201.265	2348990.718	333067.808	2083702.542	2045842.621	1815527.798	1719118.638
41	1446108.510	433632.471	239080.357	1612332.199	1597941.859	926707.240	624591.890	652447.491	874548.713
42	1140136.090	425725.695	390005.239	1279976.906	1308262.959	818918.293	852801.054	546321.290	530880.225
43	1114356.305	94783.006	102910.064	1284323.143	1697316.116	592166.661	445189.353	313475.078	572041.815
44	682826.273	338355.046	527704.949	854485.980	1826956.839	261787.755	604818.914	143139.994	233920.237
45	1251199.630	258676.651	197840.043	1426796.654	1832485.435	671257.931	324550.538	438082.274	750376.090
46	1210343.316	370441.170	283525.152	1359435.760	1368993.776	822924.192	771755.005	535846.106	602303.968
47	1339505.414	521533.546	405318.283	1481379.905	1236587.322	977223.034	904310.808	690914.449	729463.125
48	408968.782	641663.417	817731.255	563275.031	1849150.969	410068.402	905044.432	458911.593	202485.116
49	1272757.225	352235.124	213338.785	1428130.368	1429100.344	838199.472	712838.247	547444.053	672280.143
50	924112.282	402022.808	466457.636	1062645.766	1427168.369	662190.688	832910.269	428543.306	317125.373
51	1022039.848	242840.941	277832.348	1176266.005	1501314.133	634461.718	678678.630	354577.334	420525.473
52	798686.278	285629.920	477847.830	977339.675	1942038.137	217722.008	425020.936	98554.632	419821.038
53	1101810.938	529107.356	636297.285	1280490.256	2258140.523	478874.611	174797.880	488840.301	832067.385
54	1053280.910	604427.316	729633.533	1229230.320	2334645.185	451638.337	285471.820	527007.796	848140.418
55	1043857.702	101912.159	171637.127	1208998.524	1628894.166	570891.882	532349.329	280250.449	476924.261
56	2363950.140	1667702.607	1522614.932	2466254.713	595848.755	2117051.100	2008415.296	1836303.515	1790799.850
57	479038.450	549609.452	731594.611	644413.112	1858069.394	322445.800	802622.925	358917.976	175440.906
58	640303.827	796998.130	916811.564	718438.341	1532183.374	764083.955	1168316.503	697177.582	340819.765
59	1160956.468	515167.114	601576.427	1340394.825	2235331.713	533059.696	112979.750	506307.686	859040.049
60	2415929.226	1679705.570	1525561.402	2524260.360	710441.770	2141550.738	2002699.658	1856970.654	1833009.461
61	1398090.814	507593.907	356828.808	1546857.977	1304645.057	990366.437	852349.055	699849.639	789930.711
62	900374.170	761194.234	826374.465	986918.112	1278611.437	892541.524	1181693.093	736831.157	445499.595
63	743372.880	396699.919	586193.325	923686.443	2043111.471	121758.257	449129.826	205424.894	463548.023
64	1156459.948	602893.803	700524.041	1333809.599	2329430.534	541643.997	214565.988	566676.098	908033.401
65	834418.466	350175.416	461230.758	981888.134	1540711.619	548058.584	761892.976	328185.947	224925.795
66	1044597.400	490415.708	502778.453	1173913.853	1289978.466	801542.837	926903.024	556726.439	447362.645
67	487558.334	657366.913	852999.670	665282.925	2167702.304	167514.990	717183.875	440170.783	488295.094
68	1456148.465	473643.824	281952.881	1616366.027	1477553.687	974861.247	727916.555	689749.360	865029.178

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	10	11	12	13	14	15	16	17	18
35	2284861.734	2339063.802	2012544.880	1429491.273	1615832.895	1489845.944	1767578.894	1886195.609	1231390.994
36	1065161.884	973386.022	917332.192	838357.943	674373.229	154397.992	411862.328	738751.290	439072.158
37	331024.194	85213.898	494181.269	1041486.454	743931.279	799488.915	499069.140	465178.592	1026062.417
38	303875.917	488087.782	89649.968	643418.819	373649.383	696445.705	455031.012	105802.818	772512.328
39	1400966.446	1154113.863	1388914.413	1507036.150	1288912.233	808628.778	866003.683	1228991.518	1127442.788
40	2129158.680	2250619.112	1836250.419	1203705.813	1455300.406	1496599.029	1725690.175	1745253.769	1171379.095
41	701982.023	918379.384	404395.992	258234.947	227401.720	746028.109	666768.928	399132.961	612160.884
42	935410.545	991829.922	686292.117	388697.266	313761.435	323697.783	461282.555	537593.948	133264.174
43	528678.996	642146.911	283093.811	474272.820	174614.778	504457.303	339443.806	129839.877	542660.821
44	659141.077	532865.374	596566.765	840781.370	560841.990	363365.729	111255.356	437128.188	653672.012
45	405819.343	615025.766	110897.170	530039.655	287760.449	701348.207	504049.745	140024.536	717988.353
46	855630.098	951544.669	587792.753	281765.039	196741.421	419498.258	477672.998	457892.215	248726.317
47	988331.357	1102889.820	706862.708	213364.217	311606.003	525648.944	628587.350	596354.535	243735.518
48	949449.961	750518.407	912473.368	1078213.099	831244.784	423585.292	391192.657	751386.468	771414.960
49	796782.344	927372.657	514448.237	217241.346	119564.366	508614.760	513145.460	408778.057	352891.156
50	909266.111	892634.330	713428.609	592285.817	425777.011	108293.297	313630.318	539602.103	261521.879
51	759218.210	797992.606	536455.849	464428.871	243580.372	277512.718	282978.682	370134.506	314851.690
52	474703.555	368285.846	453638.859	838541.649	539031.698	517329.352	216111.501	325984.401	752923.777
53	133716.169	195032.023	387053.768	1006092.100	727988.164	912995.168	615157.190	437280.709	1082183.181
54	238243.981	118707.448	494917.383	1104179.706	819340.805	953883.247	652239.778	528139.931	1150844.762
55	613790.425	680321.045	390306.946	479847.078	190652.829	393658.116	265199.005	221981.278	453828.336
56	2089680.844	2246851.595	1791625.119	1153980.750	1433404.218	1565070.767	1760428.596	1724139.963	1222442.593
57	847735.276	658667.890	812278.236	1012101.125	752251.457	398464.121	302131.363	653952.857	740957.127
58	1229129.622	1091084.959	1111213.749	1050747.008	890084.200	369379.872	580323.895	933279.792	630805.239
59	60255.565	267911.579	332644.451	963401.871	694762.561	922677.238	630842.935	408617.425	1068917.568
60	2082638.077	2254816.505	1783974.806	1150561.555	1438856.985	1607516.532	1787501.974	1727414.077	1261314.851
61	935638.748	1081134.914	644308.067	105575.262	266366.118	601118.574	656455.845	557500.772	351400.000
62	1253812.623	1184433.292	1076144.264	867333.759	774804.614	314064.484	610408.358	900425.786	415998.125
63	480847.775	295482.928	524853.444	950594.715	650481.969	597607.525	305672.412	421166.444	856383.930
64	145632.488	227683.287	434592.695	1064826.281	793248.754	991008.478	693036.481	504591.273	1156738.669
65	834073.696	790277.745	668102.033	657570.894	443328.038	106256.019	206374.626	489771.034	374543.135
66	1006731.302	1018815.936	782509.594	528626.822	438627.950	222863.277	448692.124	619024.258	125015.875
67	731207.618	448301.948	813690.277	1197280.012	904840.906	694577.865	478814.320	705103.762	1015491.452
68	807780.762	1002279.830	509147.631	137885.003	227709.964	710419.262	681987.598	472252.550	526974.314

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	19	20	21	22	23	24	25	26	27
35	1442656.762	1714953.387	1300438.318	2426966.829	1967527.455	1258471.514	1269630.235	2365902.391	1611579.087
36	444942.732	792520.382	228150.720	1163075.758	566548.358	530345.604	200216.108	1115039.556	589009.044
37	823480.450	727522.221	975772.250	330133.447	324993.390	1019819.228	1050108.968	312660.634	698478.712
38	558540.803	313435.941	815611.382	452814.711	458436.344	725797.209	927104.118	390126.399	372333.965
39	1106089.225	1384079.315	912556.908	1430371.921	854319.173	1217921.105	839005.512	1407623.037	1196957.847
40	1352409.078	1526620.282	1315139.535	2280277.472	1927339.095	1154519.469	1332456.122	2217499.196	1479093.017
41	465441.132	143711.674	764830.899	855508.395	782777.514	517691.081	892422.813	793936.354	318457.038
42	86544.106	440487.529	270753.214	1072998.940	660187.566	116821.253	396870.581	1012848.461	271307.805
43	329178.472	195633.356	598750.786	671635.645	444397.041	498068.854	716465.725	610020.829	144988.974
44	494067.327	625493.340	550253.035	736821.132	126383.033	683530.213	608070.565	694654.200	475546.530
45	511918.662	199838.024	793954.260	559087.445	550360.362	656715.459	913299.116	496501.174	314795.441
46	119228.511	318513.006	398508.816	999907.054	662071.144	175399.156	525581.473	938167.577	183497.998
47	248964.619	409254.680	450124.435	1136308.508	816357.642	135131.762	567683.065	1073895.909	328637.508
48	686475.422	916564.017	590083.422	1002032.647	390827.630	838811.818	579957.973	969697.633	739912.452
49	211894.122	223075.622	504578.453	945729.296	679308.150	267179.404	631980.869	883150.629	158884.586
50	193459.656	547971.831	175234.484	1028739.918	514130.441	319584.775	282606.065	973657.969	344824.789
51	109264.555	361314.267	345211.316	890740.523	474011.543	307152.032	464995.273	832062.363	157605.145
52	560068.318	565756.820	692713.532	551193.635	94278.673	757945.001	768526.241	508391.927	471714.098
53	868749.337	676140.849	1072467.496	138660.288	484770.799	1054981.223	1163311.835	105002.632	707468.593
54	940541.297	776248.517	1122796.735	170304.830	494299.022	1131661.164	1205389.192	177543.696	790918.012
55	238881.970	269526.669	490368.104	748967.193	412890.046	425568.468	606279.942	689197.439	109758.981
56	1376150.081	1484872.918	1396048.977	2243078.053	1957118.921	1182558.767	1435717.118	2180486.079	1472715.362
57	630781.118	830388.752	580074.331	903543.306	288700.479	797470.846	592284.541	869743.316	662244.010
58	660982.718	1006517.625	412261.488	1311324.951	691639.834	730363.575	324103.749	1268863.185	803556.270
59	854009.314	632394.015	1074120.538	133995.462	520506.577	1034675.568	1170645.580	74872.573	682954.931
60	1401885.177	1480968.412	1444941.377	2236351.128	1980909.827	1212545.203	1493043.373	2174115.405	1484562.400
61	304904.450	336246.960	548745.434	1086932.492	830590.629	243823.009	670202.425	1024132.769	313786.462
62	520182.658	901358.377	219633.280	1360970.500	778872.343	523918.604	92500.000	1310075.089	702074.412
63	668934.328	671052.636	780294.955	526068.330	112400.352	866528.260	845459.061	494026.646	584490.520
64	942707.791	733874.539	1150070.579	65534.947	558753.796	1127023.543	1241300.542	66318.808	777382.839
65	261034.909	553288.160	270943.774	944434.202	402718.867	422240.526	353222.345	892050.632	353185.223
66	182431.242	566647.176	127620.979	1134911.929	650936.062	206324.890	254242.909	1077352.060	377829.143
67	863371.155	944039.001	883370.470	732621.524	306935.388	1051737.636	910009.429	719041.482	827325.916
68	414018.915	211265.872	700786.932	961478.918	822917.377	425264.151	827257.583	899220.997	315269.868

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	28	29	30	31	32	33	34	35	36
35	1506259.394	1790155.445	1992037.613	2218588.129	1956966.004	2132799.330	403437.953	.	1468784.579
36	940250.085	498239.897	785545.406	954074.634	514166.763	785133.374	1503890.656	1468784.579	.
37	1062496.218	464655.893	356391.559	221562.225	411440.761	122805.393	2178081.619	2254709.852	890433.151
38	644509.584	350168.974	92963.267	269882.481	580602.115	349284.523	1847197.680	1982643.907	838512.525
39	1600315.649	972088.459	1215122.408	1275075.779	730933.829	1059526.791	2097910.714	1968838.916	688585.100
40	1250271.781	1718142.406	1859428.472	2087563.138	1948166.944	2048711.201	90736.764	494174.717	1526433.154
41	220120.603	574385.782	502740.790	698500.557	882746.109	758981.917	1490498.881	1684940.182	898788.476
42	494728.971	449604.261	637952.908	862704.479	695776.691	786544.270	1271387.169	1356388.902	451782.873
43	509329.337	239211.612	240185.971	469158.171	544289.522	454556.024	1634597.369	1756362.346	655734.720
44	906490.993	192733.049	426289.737	538300.746	130897.261	349046.095	1819537.288	1849528.294	440522.578
45	522226.159	396516.190	209540.272	392248.653	667410.562	470996.266	1749276.619	1902929.076	851418.428
46	379216.527	436161.197	567506.039	796374.851	719491.175	751336.013	1310336.633	1429554.198	561324.148
47	326099.264	591211.558	709487.468	938226.359	869682.108	904414.090	1165326.219	1306880.909	650115.607
48	1160890.950	495773.532	740677.691	824205.451	274734.454	613796.689	1882798.624	1844145.710	380196.844
49	295873.703	450584.704	523541.768	751031.784	752459.308	735058.500	1354356.588	1498545.269	656096.332
50	690792.306	350936.861	611815.360	813850.971	519744.342	688204.560	1420678.435	1453992.314	252770.574
51	547713.500	256488.009	458818.700	677772.730	524304.953	592497.280	1465090.423	1546084.934	431633.327
52	883195.558	194359.223	274773.063	352530.728	218341.561	169130.291	1914821.343	1976435.171	616686.018
53	1004813.319	547901.438	323696.527	94975.510	592086.707	254080.360	2198392.575	2311107.192	1025484.102
54	1107822.996	600013.001	412557.828	194358.549	586552.204	269523.394	2282792.745	2382171.272	1054472.929
55	537533.709	185532.402	314422.082	538390.122	494275.506	479776.143	1579530.999	1680352.933	545742.239
56	1177652.358	1736831.030	1839782.139	2063203.540	1993989.968	2051623.042	353517.711	756955.664	1618866.957
57	1089206.474	402883.199	639317.508	722731.171	175751.683	513744.228	1878497.154	1861900.344	394212.396
58	1154434.663	679511.967	966320.307	1111089.666	606702.907	921861.132	1597805.085	1508652.170	216744.573
59	955538.027	553678.167	301197.791	88822.389	634148.934	295853.961	2168333.592	2293000.583	1042703.390
60	1163280.975	1757265.900	1842918.979	2062998.054	2024355.265	2063397.221	468110.726	871548.679	1670555.754
61	216779.771	601781.139	673050.776	898319.353	897863.348	890150.960	1215784.431	1384194.143	735923.909
62	977752.030	683534.999	963416.522	1148635.774	730733.085	991542.691	1333003.027	1267046.183	216615.420
63	992954.605	304465.170	348703.283	354926.548	201855.583	139680.374	2021260.036	2073245.160	678752.009
64	1057602.495	625681.601	393452.643	165792.482	662773.947	327479.682	2266022.366	2384316.488	1103082.815
65	747033.536	264303.989	544465.114	730790.734	404726.474	588503.420	1535720.298	1564927.338	250456.292
66	636448.236	470645.123	706247.570	920618.827	660647.928	812874.562	1279905.814	1321457.664	324046.142
67	1252618.877	532477.664	637893.463	610711.263	239585.326	405112.229	2175066.984	2177766.485	714637.817
68	125823.533	601608.320	583733.315	793186.966	911989.507	829972.087	1370933.603	1565270.524	858422.511

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	37	38	39	40	41	42	43	44	45
35	2254709.852	1982643.907	1968838.916	494174.717	1684940.182	1356388.902	1756362.346	1849528.294	1902929.076
36	890433.151	838512.525	688585.100	1526433.154	898788.476	451782.873	655734.720	440522.578	851418.428
37	.	434262.822	1100296.886	2170825.418	859124.580	909348.957	569365.102	450063.886	560671.712
38	434262.822	.	1299293.341	1827651.611	431563.038	639674.226	229900.192	507117.988	126996.889
39	1100296.886	1299293.341	.	2136381.154	1514221.767	1131235.277	1203430.366	793071.373	1367051.244
40	2170825.418	1827651.611	2136381.154	.	1458615.713	1269262.883	1619840.573	1825049.868	1725861.038
41	859124.580	431563.038	1514221.767	1458615.713	.	500781.557	338981.234	766625.506	306311.033
42	909348.957	639674.226	1131235.277	1269262.883	500781.557	.	409774.825	566871.946	585265.618
43	569365.102	229900.192	1203430.366	1619840.573	338981.234	409774.825	.	431788.572	197805.788
44	450063.886	507117.988	793071.373	1825049.868	766625.506	566871.946	431788.572	.	576423.893
45	560671.712	126996.889	1367051.244	1725861.038	306311.033	585265.618	197805.788	576423.893	.
46	872667.061	553098.919	1225273.123	1299367.916	370368.554	130479.795	328322.347	588640.285	481316.521
47	1025096.651	684486.834	1332750.188	1150703.087	408020.301	201951.402	469458.547	738834.678	596635.539
48	680998.243	822969.624	477611.767	1903199.996	1051706.660	733341.899	730491.862	315955.411	889620.027
49	852809.244	493186.859	1305449.826	1336639.048	262595.052	238223.854	286089.608	623675.491	404434.163
50	807485.045	644815.425	916765.326	1428855.596	647668.610	217333.832	435120.057	400504.444	632644.898
51	715301.243	475734.909	1056022.671	1461669.265	470120.124	194143.093	253788.357	393411.531	448886.330
52	283097.795	365564.924	947688.152	1912448.045	709031.351	643596.262	374980.908	186267.864	462141.923
53	209241.486	362773.992	1302646.336	2182533.296	788103.773	954811.630	563882.489	598161.945	482610.618
54	175592.469	463466.074	1270109.186	2269739.061	892859.005	1027073.366	650251.436	616575.195	586596.802
55	601081.512	327587.653	1114552.776	1570298.601	403432.728	324339.121	111384.418	370215.250	309171.440
56	2171172.596	1795880.284	2264680.849	262780.947	1395760.526	1299344.315	1605520.702	1865982.345	1683993.212
57	586163.701	722670.699	576655.665	1894083.793	968275.095	686686.056	640643.955	216912.842	793020.997
58	1013051.306	1028382.788	516389.669	1630984.165	1115163.049	662337.944	861137.759	574556.516	1053551.415
59	273746.303	322419.695	1354070.542	2149748.899	736848.519	939071.934	538020.510	626434.793	434703.396
60	2181259.320	1793941.799	2327715.061	377373.962	1383168.128	1328621.346	1612699.635	1894998.301	1678338.959
61	1007393.825	634704.086	1409335.389	1193521.110	307972.108	284791.946	439022.354	767686.913	533499.498
62	1100623.857	1004599.911	783800.995	1363930.620	984249.479	489369.463	799221.950	652489.529	996766.359
63	215009.893	441641.336	920153.982	2020509.675	813371.840	751252.761	483740.438	238783.315	550843.639
64	265100.124	422641.225	1365142.603	2248549.105	838874.262	1028496.662	632928.856	674131.853	536621.144
65	705094.889	591208.390	853928.473	1543667.302	670721.491	311057.835	405895.176	286272.174	601010.575
66	934094.361	724490.159	1011740.709	1287900.610	639405.731	143144.389	499516.668	540257.917	689443.857
67	406415.033	730839.403	710533.609	2184745.617	1087680.925	935354.184	750395.606	369304.584	838234.249
68	937431.027	523356.611	1502138.481	1340135.395	120431.485	430391.467	384045.349	788530.108	403965.460

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	46	47	48	49	50	51	52	53	54
35	1429554.198	1306880.909	1844145.710	1498545.269	1453992.314	1546084.934	1976435.171	2311107.192	2382171.272
36	561324.148	650115.607	380196.844	656096.332	252770.574	431633.327	616686.018	1025484.102	1054472.929
37	872667.061	1025096.651	680998.243	852809.244	807485.045	715301.243	283097.795	209241.486	175592.469
38	553098.919	684486.834	822969.624	493186.859	644815.425	475734.909	365564.924	362773.992	463466.074
39	1225273.123	1332750.188	477611.767	1305449.826	916765.326	1056022.671	947688.152	1302646.336	1270109.186
40	1299367.916	1150703.087	1903199.996	1336639.048	1428855.596	1461669.265	1912448.045	2182533.296	2269739.061
41	370368.554	408020.301	1051706.660	262595.052	647668.610	470120.124	709031.351	788103.773	892859.005
42	130479.795	201951.402	733341.899	238223.854	217333.832	194143.093	643596.262	954811.630	1027073.366
43	328322.347	469458.547	730491.862	286089.608	435120.057	253788.357	374980.908	563882.489	650251.436
44	588640.285	738834.678	315955.411	623675.491	400504.444	393411.531	186267.864	598161.945	616575.195
45	481316.521	596635.539	889620.027	404434.163	632644.898	448886.330	462141.923	482610.618	586596.802
46	.	155212.091	801411.838	107775.199	311750.190	196095.470	627254.824	890700.553	972565.425
47	155212.091	.	931479.502	192526.455	418992.617	345610.340	782453.501	1033090.104	1119038.753
48	801411.838	931479.502	.	865800.891	519235.749	614304.965	480575.843	866695.838	856580.829
49	107775.199	192526.455	865800.891	.	403559.078	251924.128	630542.888	846006.988	935535.011
50	311750.190	418992.617	519235.749	403559.078	.	188632.333	525424.801	897816.415	950363.062
51	196095.470	345610.340	614304.965	251924.128	188632.333	.	450835.050	768054.540	836086.364
52	627254.824	782453.501	480575.843	630542.888	525424.801	450835.050	.	412572.757	438583.190
53	890700.553	1033090.104	866695.838	846006.988	897816.415	768054.540	412572.757	.	110707.801
54	972565.425	1119038.753	856580.829	935535.011	950363.062	836086.364	438583.190	110707.801	.
55	271602.501	424910.531	648442.824	267640.093	324304.412	148157.457	363458.292	630778.200	706135.319
56	1303209.149	1148447.658	1984630.929	1319629.820	1483916.399	1483366.637	1929779.629	2157576.072	2252222.652
57	741150.802	879210.078	102521.420	796651.230	481038.459	548334.169	378059.390	767348.377	761588.923
58	776306.844	856300.942	379592.005	872490.592	469455.821	646760.754	760622.006	1172674.926	1185351.436
59	866340.595	1003883.848	908514.812	813990.042	898889.970	757506.578	440380.501	73579.133	180502.172
60	1321347.049	1166153.990	2029793.629	1328519.779	1521574.945	1507145.046	1948418.102	2156651.159	2254153.985
61	187764.990	111781.494	989170.582	155360.399	492829.954	380266.678	784834.813	993125.081	1085608.418
62	617973.720	658227.972	578000.865	724208.814	364124.379	550365.655	822415.110	1224988.633	1260959.753
63	739380.202	894590.879	476178.004	743348.578	619297.425	559992.600	112899.421	390578.073	387708.400
64	960866.792	1100900.328	936735.172	912097.964	975306.348	843188.444	489118.022	78013.507	113602.264
65	377548.831	506275.763	425677.146	451637.398	115042.161	203024.071	421997.149	810162.639	854835.589
66	271356.903	329205.554	646441.401	378051.663	140968.911	249010.860	654983.101	1008554.278	1069044.487
67	955803.494	1107389.598	376319.824	982158.411	755955.407	761780.250	380328.132	615474.273	566430.579
68	303034.294	303816.169	1053097.009	202328.978	605838.502	446140.729	758488.543	885311.591	986746.892

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	55	56	57	58	59	60	61	62	63
35	1680352.933	756955.664	1861900.344	1508652.170	2293000.583	871548.679	1384194.143	1267046.183	2073245.160
36	545742.239	1618866.957	394212.396	216744.573	1042703.390	1670555.754	735923.909	216615.420	678752.009
37	601081.512	2171172.596	586163.701	1013051.306	273746.303	2181259.320	1007393.825	1100623.857	215009.893
38	327587.653	1795880.284	722670.699	1028382.788	322419.695	1793941.799	634704.086	1004599.911	441641.336
39	1114552.776	2264680.849	576655.665	516389.669	1354070.542	2327715.061	1409335.389	783800.995	920153.982
40	1570298.601	262780.947	1894083.793	1630984.165	2149748.899	377373.962	1193521.110	1363930.620	2020509.675
41	403432.728	1395760.526	968275.095	1115163.049	736848.519	1383168.128	307972.108	984249.479	813371.840
42	324339.121	1299344.315	686686.056	662337.944	939071.934	1328621.346	284791.946	489369.463	751252.761
43	111384.418	1605520.702	640643.955	861137.759	538020.510	1612699.635	439022.354	799221.950	483740.438
44	370215.250	1865982.345	216912.842	574556.516	626434.793	1894998.301	767686.913	652489.529	238783.315
45	309171.440	1683993.212	793020.997	1053551.415	434703.396	1678338.959	533499.498	996766.359	550843.639
46	271602.501	1303209.149	741150.802	776306.844	866340.595	1321347.049	187764.990	617973.720	739380.202
47	424910.531	1148447.658	879210.078	856300.942	1003883.848	1166153.990	111781.494	658227.972	894590.879
48	648442.824	1984630.929	102521.420	379592.005	908514.812	2029793.629	989170.582	578000.865	476178.004
49	267640.093	1319629.820	796651.230	872490.592	813990.042	1328519.779	155360.399	724208.814	743348.578
50	324304.412	1483916.399	481038.459	469455.821	898889.970	1521574.945	492829.954	364124.379	619297.425
51	148157.457	1483366.637	548334.169	646760.754	757506.578	1507145.046	380266.678	550365.655	559992.600
52	363458.292	1929779.629	378059.390	760622.006	440380.501	1948418.102	784834.813	822415.110	112899.421
53	630778.200	2157576.072	767348.377	1172674.926	73579.133	2156651.159	993125.081	1224988.633	390578.073
54	706135.319	2252222.652	761588.923	1185351.436	180502.172	2254153.985	1085608.418	1260959.753	387708.400
55	.	1573059.443	565298.535	753302.211	615141.734	1587937.295	421411.363	688255.201	476354.785
56	1573059.443	.	1962331.782	1750216.869	2117051.471	114593.015	1167067.736	1481474.110	2041218.721
57	565298.535	1962331.782	.	444351.598	807584.089	2002189.545	927895.675	606078.153	377541.434
58	753302.211	1750216.869	444351.598	.	1199673.359	1811714.183	947123.968	268900.521	798207.253
59	615141.734	2117051.471	807584.089	1199673.359	.	2112892.002	957102.362	1236404.075	435439.882
60	1587937.295	114593.015	2002189.545	1811714.183	2112892.002	.	1173908.168	1543975.426	2060703.469
61	421411.363	1167067.736	927895.675	947123.968	957102.362	1173908.168	.	761791.993	897717.542
62	688255.201	1481474.110	606078.153	268900.521	1236404.075	1543975.426	761791.993	.	891272.694
63	476354.785	2041218.721	377541.434	798207.253	435439.882	2060703.469	897717.542	891272.694	.
64	704178.592	2218200.979	838452.925	1248371.898	102064.479	2214621.039	1056784.977	1302965.272	460922.112
65	296934.676	1595831.774	375704.366	456534.619	817952.693	1631361.431	565070.315	419872.411	510226.102
66	397069.234	1345748.709	616780.877	527111.065	1002552.104	1385900.865	423534.378	346678.103	753466.273
67	717886.247	2233431.689	322536.669	755146.237	676912.173	2263904.490	1130880.016	928210.326	289202.006
68	418362.331	1283374.181	977327.688	1074810.917	838646.085	1274894.409	196448.026	919754.301	867783.943

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	64	65	66	67	68	69	70	71	72
35	2384316.488	1564927.338	1321457.664	2177766.485	1565270.524	1930868.851	660154.182	2187074.563	2147811.996
36	1103082.815	250456.292	324046.142	714637.817	858422.511	479304.162	1580368.705	780415.975	915608.030
37	265100.124	705094.889	934094.361	406415.033	937431.027	713936.305	2167341.247	149518.905	278742.848
38	422641.225	591208.390	724490.159	730839.403	523356.611	905771.761	1803199.295	501416.304	187697.336
39	1365142.603	853928.473	1011740.709	710533.609	1502138.481	398218.834	2214657.649	950786.359	1280596.432
40	2248549.105	1543667.302	1287900.610	2184745.617	1340135.395	2005664.279	165979.465	2134548.297	2009177.223
41	838874.262	670721.491	639405.731	1087680.925	120431.485	1157015.270	1413566.803	899831.561	616368.533
42	1028496.662	311057.835	143144.389	935354.184	430391.467	846871.902	1282094.127	865312.446	793842.970
43	632928.856	405895.176	499516.668	750395.606	384045.349	830601.807	1605815.567	580033.218	393657.738
44	674131.853	286272.174	540257.917	369304.584	788530.108	404674.176	1846664.041	345190.080	518230.709
45	536621.144	601010.575	689443.857	838234.249	403965.460	980958.369	1694802.709	620494.103	310068.232
46	960866.792	377548.831	271356.903	955803.494	303034.294	914460.870	1295609.648	849944.155	721896.421
47	1100900.328	506275.763	329205.554	1107389.598	303816.169	1045082.917	1142267.565	1005080.746	861191.197
48	936735.172	425677.146	646441.401	376319.824	1053097.009	113606.514	1950915.087	538620.332	818528.500
49	912097.964	451637.398	378051.663	982158.411	202328.978	977205.059	1319848.214	848745.292	672582.023
50	975306.348	115042.161	140968.911	755955.407	605838.502	632377.105	1458376.245	733095.077	759227.713
51	843188.444	203024.071	249010.860	761780.250	446140.729	726192.069	1469955.999	673391.281	613207.270
52	489118.022	421997.149	654983.101	380328.132	758488.543	549963.955	1919232.056	223131.826	338319.525
53	78013.507	810162.639	1008554.278	615474.273	885311.591	910980.696	2163092.362	355570.165	175407.196
54	113602.264	854835.589	1069044.487	566430.579	986746.892	887542.661	2255131.509	321797.954	276562.968
55	704178.592	296934.676	397069.234	717886.247	418362.331	753661.029	1566924.406	583578.549	470053.336
56	2218200.979	1595831.774	1345748.709	2233431.689	1283374.181	2092407.818	96801.482	2152789.299	1982234.410
57	838452.925	375704.366	616780.877	322536.669	977327.688	189972.468	1933319.901	447758.497	716074.199
58	1248371.898	456534.619	527111.065	755146.237	1074810.917	437700.503	1702551.742	884475.923	1083296.969
59	102064.479	817952.693	1002552.104	676912.173	838646.085	959377.017	2125378.291	414825.639	145273.050
60	2214621.039	1631361.431	1385900.865	2263904.490	1274894.409	2139259.801	211394.497	2170679.576	1981313.175
61	1056784.977	565070.315	423534.378	1130880.016	196448.026	1102187.498	1170035.602	1003809.114	818391.611
62	1302965.272	419872.411	346678.103	928210.326	919754.301	664405.178	1433698.989	995113.599	1103136.940
63	460922.112	510226.102	753466.273	289202.006	867783.943	524139.764	2029660.382	114723.119	366790.662
64	.	888136.333	1084937.083	668906.963	940585.255	976634.980	2225822.159	414546.458	239710.519
65	888136.333	.	255923.911	641369.787	648788.357	539202.346	1571713.519	623014.664	683366.902
66	1084937.083	255923.911	.	896872.241	573237.316	758025.177	1318654.719	867909.309	859312.704
67	668906.963	641369.787	896872.241	.	1129849.025	356954.689	2211992.675	262502.492	641495.096
68	940585.255	648788.357	573237.316	1129849.025	.	1162417.839	1298398.251	962586.856	710906.562

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	73	74	75	76	77	78	79	80	81
35	1667720.298	1774227.302	2240889.134	1978777.339	1503819.937	1837468.478	1885668.269	1367013.933	1646573.683
36	369689.574	343043.712	801784.154	687624.463	760752.460	886941.378	663211.493	119932.331	429025.847
37	590076.940	549830.376	250455.983	289116.617	916718.149	681633.914	404785.945	1010015.438	609509.565
38	468904.963	587632.711	626374.562	236374.996	526092.099	247913.602	181844.997	940794.394	419461.290
39	910414.449	725304.015	874851.309	1073261.896	1413071.854	1444128.463	1124355.706	713803.825	998356.725
40	1618562.307	1771118.502	2212320.205	1882366.539	1306969.051	1636577.409	1772726.778	1451494.313	1572537.563
41	604585.682	802011.628	1018396.252	604832.341	194679.729	191497.028	488864.337	960851.996	516021.451
42	353830.549	533754.094	945582.517	625810.114	328369.450	562445.403	529279.382	482399.406	303514.073
43	303124.247	479410.194	692156.139	287336.489	348692.292	242178.861	166684.477	746222.278	227537.900
44	214563.096	101734.353	392603.635	291775.215	722213.963	663042.228	331458.884	560269.964	288054.728
45	490566.623	643610.909	744192.038	338661.258	418986.711	121008.105	247596.194	943794.819	422394.464
46	376878.585	577653.281	943305.449	583655.916	201988.621	443361.966	473602.388	604733.193	302154.509
47	525006.963	720036.269	1098278.530	735995.787	213391.161	533785.238	623171.809	668276.251	454996.825
48	449273.915	251224.279	507624.436	601505.729	972041.202	969310.836	646869.035	477303.195	538484.132
49	423242.825	629280.894	951498.780	565907.629	107623.588	349188.530	448023.484	707002.144	337961.455
50	217685.929	342768.167	792839.723	550714.490	508887.651	650958.555	488575.684	318386.868	227958.021
51	180785.549	382945.769	758423.943	433148.564	358995.574	462329.020	343040.541	506725.604	112003.526
52	308936.142	287369.515	321212.299	129561.110	713384.220	568425.645	222593.817	735015.633	340082.221
53	684703.178	699696.314	458907.995	347463.133	887627.333	597889.405	425736.135	1142104.132	677288.003
54	733436.951	717760.577	402767.486	404133.097	983617.069	703863.084	500179.380	1173258.157	738137.692
55	204789.712	398601.230	684053.322	312157.181	356949.395	344199.561	206149.493	634903.528	120996.720
56	1653104.252	1824805.022	2241789.965	1882622.515	1269983.084	1583092.943	1766850.273	1559604.195	1595322.524
57	374018.092	168204.246	431883.663	499357.801	901050.168	876688.027	548347.858	504845.365	461979.131
58	563785.483	473269.005	876180.446	852590.024	976635.138	1096901.873	848285.487	200093.318	633682.252
59	690853.345	726771.560	524142.111	355839.039	847983.438	545479.928	415164.032	1157228.911	673899.698
60	1680856.672	1859393.398	2264090.757	1894183.788	1270644.870	1573001.594	1776494.789	1617889.352	1618571.687
61	559831.798	763197.870	1105407.057	721068.162	119643.263	454677.885	602694.868	764822.858	479652.776
62	547377.304	557549.272	1018396.389	880826.496	817736.520	1010796.982	839280.856	101433.033	585143.242
63	407631.184	336415.607	209069.307	212861.903	825235.559	663201.361	324508.250	798629.121	448355.602
64	762572.274	775795.862	507712.526	425245.838	948684.563	647474.045	500290.348	1219877.320	753976.098
65	127535.897	229100.436	678864.311	463511.153	559253.941	640378.499	420542.840	349747.740	178673.731
66	346472.095	483465.041	931904.830	665374.014	471322.146	683422.024	587437.328	341288.843	331587.701
67	583863.053	413799.283	165003.390	499592.161	1074826.781	947858.274	602919.370	827131.315	653722.607
68	604459.359	809145.547	1076127.980	667536.270	102130.946	299825.650	547389.222	907477.269	515637.716

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	82	83	84	85	86	87	88	89	90
35	2051619.997	2116730.573	1774117.259	2063051.595	1686100.728	1551773.921	1434100.949	1222791.652	2229234.509
36	590694.788	818497.512	901947.169	816489.182	298316.972	351139.305	354455.051	340213.301	909456.319
37	427601.461	181631.491	769298.284	276659.023	601435.394	702976.373	820949.173	1035939.059	106304.340
38	676885.663	255448.043	336937.538	158791.906	560404.144	518173.586	601935.268	830179.747	344101.302
39	674474.542	1145507.793	1487804.524	1199385.319	792586.179	968988.019	1020118.737	1022832.953	1178662.087
40	2059509.102	2009763.202	1558479.520	1938704.943	1670334.463	1494853.407	1375330.385	1212403.837	2123298.298
41	1001398.512	677506.258	103094.844	583412.420	722442.868	556047.780	552834.846	719227.389	774645.441
42	815255.760	761684.813	539691.714	706937.522	428590.080	230864.375	122183.689	219852.122	874930.900
43	662425.771	395398.151	287967.966	318913.215	416352.946	311641.029	378645.893	603974.290	506997.565
44	254229.109	399224.152	719221.391	425204.796	163627.357	336013.175	451810.105	629770.076	476648.816
45	773063.345	380662.393	210046.315	284278.452	596879.115	509437.765	571364.994	791431.069	471036.778
46	842759.616	710698.689	413025.671	643499.680	475924.667	270760.114	207796.060	349241.717	824410.979
47	992218.880	859811.378	480463.051	788131.363	616009.544	410629.593	319888.504	366179.686	973074.402
48	274022.532	688379.793	1017323.889	731512.083	333423.748	531599.374	612122.181	698107.621	740595.355
49	876302.185	681221.222	309584.209	604091.568	533480.363	337474.377	302277.009	456815.182	793083.476
50	631138.068	691073.331	656955.721	662170.145	241644.028	126651.483	104088.878	231228.757	797371.539
51	647224.251	570655.415	470682.455	521955.619	283438.647	87314.767	126202.128	355251.261	683246.188
52	312030.513	213534.330	640786.786	251868.375	321691.940	426193.603	546053.468	755111.410	293111.266
53	628172.181	208595.182	688482.732	248228.506	727463.489	779190.723	887610.197	1114585.146	126106.730
54	600569.540	265477.027	794472.077	331461.595	760234.606	837383.528	950802.889	1173671.434	153577.121
55	617106.976	441925.155	374537.671	382708.233	322137.276	200266.568	274359.098	503079.860	555762.272
56	2111335.553	2000835.811	1498543.745	1921688.149	1720694.913	1530125.893	1415149.383	1286617.686	2112373.271
57	203426.966	586392.060	928505.682	629036.678	265286.008	470724.129	564516.831	681945.687	641363.803
58	645337.961	972323.931	1115876.937	985864.669	469222.501	564134.887	570441.125	517360.261	1050363.210
59	680610.958	227377.913	635553.565	237188.686	744595.697	776822.681	880180.379	1109152.796	177409.559
60	2143652.237	2007728.802	1486262.877	1925482.571	1754567.212	1559185.225	1447185.761	1333981.037	2117825.729
61	1021686.925	834376.619	390497.463	754702.772	662617.625	458194.865	389219.804	472362.033	945429.374
62	805489.335	1016553.172	1008354.044	1004139.604	500728.475	488818.059	437984.123	293252.877	1112971.428
63	252048.655	229088.848	740104.316	301621.175	397077.373	528918.543	649341.826	850457.213	264472.700
64	691519.926	286608.248	737473.063	321665.924	805181.427	856134.068	963617.984	1191125.174	198490.504
65	516990.120	601689.763	662157.571	584470.615	126675.070	115715.966	188874.733	343599.008	703389.197
66	771896.844	805640.252	670490.731	765702.263	382581.362	231908.238	123127.753	106696.408	915469.187
67	126615.955	505829.217	1021114.544	587906.612	514872.677	704725.162	818282.359	976629.899	500371.420
68	1034096.232	756737.367	218355.497	666416.675	719738.372	533305.332	504500.933	641531.928	860047.962

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	91	92	93	94	95	96	97	98	99
35	1322805.250	1812231.442	2084570.279	288767.981	2117086.615	2290963.699	1599614.369	1600148.698	1555346.824
36	246950.664	760145.118	901668.708	1482872.864	970957.671	872249.745	764680.457	153389.080	118413.164
37	1131272.378	583155.529	363222.192	2192595.172	420905.440	166594.050	826451.990	737257.762	877507.148
38	1079395.922	178447.040	104852.875	1877889.259	141832.559	581431.858	426852.682	712491.023	883853.830
39	682379.111	1301292.106	1314128.211	2054001.512	1392900.793	977878.512	1392498.376	691264.790	571373.305
40	1454776.000	1649366.208	1932503.616	205406.736	1947653.007	2241557.406	1407884.725	1626432.175	1633926.256
41	1092541.439	280589.333	526617.263	1537520.440	515656.905	992801.863	137021.291	833113.542	989102.530
42	604235.965	485937.535	736944.897	1283277.033	779904.861	972309.150	365340.976	452634.764	563152.101
43	885366.265	104801.130	328729.366	1660167.151	370490.844	680198.422	265063.004	552315.394	721630.444
44	681693.926	519842.599	532825.105	1819032.579	610643.943	444288.014	667902.765	287234.326	433492.712
45	1082986.568	100228.646	220758.336	1785037.323	221846.642	704782.368	318093.032	740946.967	911989.093
46	730683.043	385676.732	655252.912	1332933.418	688793.778	956241.289	235446.952	535503.583	666205.249
47	779132.595	509040.194	788755.009	1193457.112	813752.742	1111300.837	297884.183	653695.818	763474.225
48	547111.187	826024.434	843608.316	1863027.633	922139.673	600757.619	937654.144	287359.722	290186.423
49	835327.519	316768.535	597789.410	1384951.021	621265.180	952786.451	128398.549	614318.888	755952.669
50	455593.242	535494.841	724933.447	1418602.863	784896.386	837357.578	512660.488	235605.238	354465.292
51	644221.335	350069.930	565334.752	1477395.646	617539.639	780416.380	339933.511	366657.835	518987.990
52	861537.750	434290.105	366636.161	1923947.468	445391.111	329984.641	638255.126	465447.777	618783.078
53	1271727.503	539104.546	261870.578	2223575.542	284356.418	367995.046	789163.137	876256.313	1031319.497
54	1297926.451	636113.692	366516.379	2304300.082	394508.336	302803.406	886679.945	902221.607	1047971.941
55	774021.509	214667.332	418087.817	1598506.511	469384.203	688809.709	297713.485	448519.788	615624.831
56	1584363.395	1618496.708	1899645.483	468187.683	1904217.094	2259295.035	1369097.340	1699791.523	1732597.148
57	595114.669	733236.977	741387.741	1864938.015	819976.275	518633.702	859497.958	268209.492	329641.363
58	185847.184	965938.850	1081231.721	1562418.031	1154389.525	961900.756	981342.840	315892.133	145190.379
59	1289631.218	500862.992	217782.416	2196961.996	224114.722	436740.250	748133.318	896523.280	1056539.655
60	1650816.234	1618266.244	1896572.598	582780.698	1896398.469	2276504.454	1367735.779	1743256.402	1786055.091
61	881037.928	456261.637	739490.127	1252786.116	754864.588	1108043.820	217867.593	721547.372	845336.334
62	123544.934	899375.954	1078735.476	1301937.331	1142764.264	1088255.626	847265.704	367754.551	288365.994
63	917566.313	535031.691	418352.881	2028023.385	494525.196	221306.988	748246.217	525362.949	662556.142
64	1349182.257	600859.548	318555.549	2293055.291	325232.042	410711.954	849123.408	953523.461	1107550.419
65	488188.095	510551.510	660237.356	1533317.996	726510.989	726133.232	542570.935	163636.939	321202.971
66	461117.795	589277.251	814136.948	1278971.825	866322.049	973183.675	502771.039	359084.384	440369.874
67	915505.874	814599.118	702970.939	2168211.989	776798.576	267935.453	1008506.703	577624.445	650967.072
68	1033580.421	354985.061	623751.476	1417226.996	621656.689	1060543.494	121460.711	812309.390	957540.064

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids	
Nearest Cluster	100
35	948071.132
36	1708484.889
37	2191308.604
38	1796720.589
39	2371958.790
40	453896.415
41	1380003.971
42	1353232.181
43	1621990.327
44	1917945.914
45	1678913.601
46	1338794.760
47	1184021.657
48	2062948.394
49	1339891.849
50	1550933.731
51	1527611.239
52	1964491.545
53	2159422.198
54	2258682.508
55	1602365.191
56	191115.468
57	2031971.336
58	1855588.498
59	2113572.372
60	76522.453
61	1184642.689
62	1588948.565
63	2077136.333
64	2215530.158
65	1659075.839
66	1417246.828
67	2287226.370
68	1274948.611

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	1	2	3	4	5	6	7	8	9
69	295988.260	739516.877	921029.185	455338.819	1941799.229	436116.407	967788.144	544252.263	315991.765
70	2323541.338	1663656.986	1526837.451	2420401.095	499047.273	2101007.670	2018306.696	1824279.385	1760175.017
71	746597.825	498097.627	680802.104	925734.689	2157691.198	130028.821	457068.950	319026.753	558634.952
72	1109972.134	370527.891	461676.306	1290318.957	2090826.402	481341.987	86771.484	386189.598	745173.729
73	852038.988	233212.711	376423.436	1012284.105	1635532.079	465772.925	634535.608	211251.925	272134.692
74	647077.285	391616.541	566847.517	810431.125	1758018.704	339292.314	700971.275	230937.852	132453.574
75	650545.632	605763.722	794281.973	826648.367	2219560.366	130919.189	576858.296	407534.603	573199.723
76	928245.914	214919.909	386273.936	1106870.921	1934047.648	332628.699	316040.986	155594.898	514922.263
77	1378224.815	428792.399	255500.425	1534763.117	1423878.633	925864.629	741062.940	636182.886	779511.018
78	1344497.264	327647.678	184605.226	1517468.758	1759291.197	782038.894	433117.130	531625.481	814219.914
79	1003628.692	104286.520	265754.422	1179249.077	1835042.818	439142.152	344400.097	190880.395	524553.807
80	810740.088	698800.509	784460.127	906807.179	1375752.105	794914.634	1108243.432	653294.360	346507.868
81	940558.329	176053.572	291165.352	1101430.331	1606190.136	523001.037	605129.725	243056.585	359014.761
82	492188.552	567786.274	763348.397	672316.405	2041092.520	149882.062	701052.045	349059.345	363049.001
83	972170.277	340740.904	484214.578	1152518.218	2069537.875	343984.483	220607.225	281311.027	631663.667
84	1402019.309	380899.637	203065.196	1572290.941	1691020.196	856957.167	522971.920	594784.720	851398.433
85	1041288.739	281252.066	399921.786	1221177.993	2010049.036	422085.348	182475.571	289530.433	648933.244
86	739277.608	338340.739	493701.441	896686.982	1664939.665	424267.376	703087.264	238889.942	155733.568
87	940264.295	275422.528	353738.372	1092056.965	1515851.973	589610.890	707810.796	327638.971	335129.087
88	1019717.337	367336.330	390659.203	1162158.680	1396122.327	708462.662	803795.263	447534.396	409830.999
89	1082991.978	597058.321	601350.893	1200421.014	1197210.500	891504.287	1033512.949	657428.073	507513.683
90	983585.310	454581.822	592615.959	1163101.527	2183003.849	356096.045	228691.424	376688.033	710373.649
91	825338.797	837759.486	922050.683	895468.933	1347463.176	902344.659	1243850.697	783905.809	455731.671
92	1201820.816	184435.083	103918.881	1374326.756	1745487.379	650856.434	396860.876	390318.693	673927.883
93	1158589.991	324774.714	384749.916	1338453.488	2023023.733	538120.039	116545.102	392412.434	749188.206
94	2201366.466	1699978.200	1598284.149	2274325.213	127661.071	2080500.522	2097677.488	1825652.103	1689637.405
95	1236135.447	382878.234	408989.641	1416129.021	2050334.260	613243.509	111243.251	469488.834	824605.866
96	751890.582	601110.563	779577.639	926866.351	2263150.374	198586.382	501372.617	426048.869	646486.250
97	1338533.099	352920.795	164983.606	1500592.827	1522208.706	854125.453	640624.711	568367.710	753390.022
98	688881.730	482984.248	617703.658	827738.105	1592000.010	525902.315	857504.053	390250.854	92796.007
99	631511.332	654424.043	782231.253	742266.897	1564335.805	638858.829	1023490.659	552732.611	199946.271
100	2453008.373	1692000.554	1532305.371	2565116.266	786964.223	2161142.302	2002528.666	1874549.433	1864588.702

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	10	11	12	13	14	15	16	17	18
69	1004730.129	775264.045	995385.095	1190464.141	938953.124	535252.781	491807.868	841389.262	882854.847
70	2100488.464	2244664.086	1803743.694	1165671.980	1435925.068	1534977.023	1743109.562	1727303.005	1197192.559
71	468714.932	211937.867	576469.834	1052058.765	751003.852	707639.680	419645.300	501438.649	971098.019
72	150722.259	315111.141	223371.593	830752.887	553966.519	789092.123	505810.962	264918.697	923876.892
73	706540.279	675170.426	548927.175	639644.457	382074.233	233474.909	107554.071	370414.508	449742.817
74	757961.010	631741.056	675930.106	845334.490	584375.058	284588.383	140703.640	507665.166	603565.861
75	580870.443	284222.213	702019.610	1159593.667	859550.896	751594.868	486689.435	621835.160	1042293.012
76	378172.940	368339.517	324113.127	761536.705	461026.844	567450.214	276217.712	208781.308	747414.281
77	823660.526	986991.355	529281.369	125785.987	175316.309	614885.218	612809.192	457052.734	426316.101
78	510663.559	735698.608	212920.232	433356.272	248768.868	733167.612	578398.597	242756.000	690640.743
79	421160.465	480255.747	269096.460	640955.781	340811.492	526773.388	273190.212	107646.429	656531.514
80	1177733.467	1093123.269	1016417.511	869876.821	742714.411	244448.175	527184.321	838612.291	435456.055
81	682140.398	693198.612	492562.794	555103.082	292865.312	280020.081	176808.204	315520.426	416561.249
82	729348.474	488308.711	764036.484	1092992.717	806932.820	568035.578	365450.424	635036.762	891495.835
83	261813.971	247443.422	323454.635	863516.596	568875.958	704400.331	407253.072	284772.128	885460.638
84	599556.070	825024.926	302911.980	355305.674	233550.517	747580.050	626868.226	319471.892	661423.378
85	249698.537	336039.550	229711.678	777554.225	488337.865	690077.312	407253.414	198079.124	835104.105
86	768329.438	685914.011	644972.658	747753.064	499229.337	200702.769	114009.079	468847.169	500674.501
87	785114.463	787488.779	587488.102	546866.839	328846.772	196949.373	231338.917	413024.938	327473.711
88	883739.414	905078.079	661705.505	488221.340	337216.467	212233.044	350361.971	496332.267	207084.281
89	1113416.442	1120901.112	886554.548	577456.619	531230.324	284246.812	544787.873	724896.580	122870.216
90	230875.131	143989.295	395803.211	971028.197	679335.283	803723.371	502802.106	391189.421	997844.984
91	1311968.296	1213035.365	1155488.281	986605.755	877458.467	383422.711	658789.433	977548.571	538104.451
92	480595.968	647308.940	202187.715	468066.398	197438.672	608325.359	435338.635	118996.289	618909.480
93	200384.258	405174.719	132688.823	746411.265	478300.581	766466.844	501085.674	199442.185	869024.884
94	2181667.356	2274796.708	1895925.164	1279342.012	1504496.518	1473808.309	1726126.894	1788669.407	1171643.949
95	186418.471	451782.289	112594.670	750754.233	502322.082	832427.785	575143.204	247455.145	912978.810
96	495365.613	184171.184	649487.722	1153762.771	852731.242	807653.500	524527.977	593706.882	1077488.384
97	723030.390	894376.178	428366.244	217542.792	107444.807	612955.862	562217.528	362972.635	481123.675
98	921840.350	820063.730	795567.075	817019.838	605774.492	136225.585	267975.208	617951.295	484055.668
99	1085021.531	957312.872	967235.399	946171.515	762216.137	247436.753	435153.196	789671.592	557109.567
100	2081437.870	2263352.702	1782953.753	1154623.166	1447547.099	1639712.981	1809400.670	1733819.600	1292289.846

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	19	20	21	22	23	24	25	26	27
69	799887.651	1019873.417	696481.408	1042153.420	456305.239	951882.741	676306.506	1015609.280	848160.128
70	1361564.994	1495022.781	1360911.109	2253290.231	1942069.656	1165434.968	1392809.811	2190529.033	1469611.627
71	782509.796	760033.991	892196.113	479645.418	220998.935	980274.000	953207.755	460165.427	690023.738
72	708879.482	501123.980	934341.971	279263.887	428345.084	889577.179	1034350.989	219152.263	538414.612
73	279510.141	474004.812	389435.162	818073.527	308938.031	470651.754	479819.919	765098.511	290638.818
74	471102.785	665714.549	474315.467	838354.893	224859.181	647977.696	519270.516	795615.221	494129.515
75	866055.124	877133.901	940543.257	570510.438	285399.631	1062041.511	986996.034	560641.491	792762.871
76	539363.269	464406.413	725119.281	480923.365	223356.712	733760.296	816712.864	429257.483	410024.253
77	315813.832	219709.423	598913.685	976042.005	769344.587	326754.590	725236.832	913249.265	247838.731
78	501058.880	126128.610	798480.897	664282.701	652418.533	614803.455	922995.086	602567.200	308905.108
79	443084.040	346746.226	663308.582	547948.360	305453.598	631694.062	766743.692	489931.935	294875.986
80	496352.369	866136.358	218523.419	1279219.206	686386.459	538416.083	125306.664	1230122.064	663199.406
81	220591.624	387527.060	402324.878	805195.240	362349.210	418217.742	508552.328	748770.166	201432.847
82	745875.704	857986.643	756757.838	756932.218	223163.738	931108.338	784683.164	733149.114	725058.770
83	675144.000	546360.982	865226.225	344793.655	297712.221	867045.581	954778.755	297358.505	531207.502
84	489550.310	109426.897	791449.104	752944.355	720648.469	575976.979	918208.707	691560.984	313081.330
85	621065.199	455285.244	837394.628	369240.307	345116.282	806784.178	935947.646	312061.228	460777.423
86	367067.711	591604.170	386631.930	864854.191	286109.981	542866.810	449073.972	816760.981	407485.337
87	161780.760	442400.090	299716.557	907887.807	432497.574	347578.116	409055.954	851687.972	239993.814
88	90541.692	463384.029	224502.704	1012834.292	552364.575	235085.163	348952.818	954928.097	265445.167
89	280092.573	658842.399	112084.913	1241407.869	745220.566	231258.304	205197.466	1183965.338	477659.032
90	788388.600	648830.792	970298.336	262781.518	360263.354	980777.857	1055102.747	229989.819	644437.365
91	627101.239	1002075.968	333644.289	1409547.427	806308.913	645462.726	211470.981	1361879.839	799871.893
92	411781.031	144369.541	694716.283	630923.570	514397.300	560799.154	814980.502	568161.031	214953.090
93	654051.393	415609.033	898470.407	348015.593	460587.576	826649.600	1005073.213	285374.096	473082.958
94	1369139.853	1589028.267	1286193.697	2329669.955	1928829.449	1173823.478	1283812.152	2267314.164	1516113.579
95	699614.966	421557.744	956579.562	340107.910	539299.102	862926.067	1066696.704	278296.465	510676.407
96	889540.328	855189.530	993908.760	472110.041	323439.570	1087304.254	1050346.473	466657.409	794352.640
97	328532.880	118879.117	627899.945	875614.117	701590.133	392255.498	755492.875	812842.982	197757.630
98	416791.368	712208.008	311879.872	1014377.688	413170.365	553834.626	334605.977	967920.450	514861.445
99	547770.517	874426.758	346239.359	1169961.540	553684.244	646590.376	301510.028	1126354.854	673342.133
100	1423955.048	1483293.335	1481632.941	2235121.707	2000297.929	1238083.430	1534900.415	2173218.156	1497312.813

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	28	29	30	31	32	33	34	35	36
69	1271742.128	592764.119	819669.309	878755.812	332732.837	663813.506	1982932.322	1930868.851	479304.162
70	1198226.837	1725320.140	1842689.103	2068329.854	1973166.342	2046629.387	256716.229	660154.182	1580368.705
71	1088328.609	417163.762	411425.541	348740.265	277775.783	154131.360	2135736.320	2187074.563	780415.975
72	831410.814	419860.665	155926.770	82334.119	550118.231	236431.373	2026327.483	2147811.996	915608.030
73	715198.083	137268.018	417996.324	603998.065	345056.233	470521.176	1616415.597	1667720.298	369689.574
74	921169.853	247285.547	512610.320	638363.384	182761.244	450712.270	1761328.428	1774227.302	343043.712
75	1201484.935	507162.648	535738.783	465890.243	288327.298	279679.766	2209324.302	2240889.134	801784.154
76	793349.190	200441.158	145212.538	267814.237	346873.481	169217.774	1890779.751	1978777.339	687624.463
77	188871.795	542449.947	572391.830	793378.463	849311.411	803183.658	1331598.859	1503819.937	760752.460
78	411121.126	473961.505	328881.394	509698.478	764496.407	590198.877	1664308.613	1837468.478	886941.378
79	673152.599	168915.159	124151.838	334751.308	420152.771	288177.431	1783765.546	1885668.269	663211.493
80	977086.065	608140.504	893075.065	1068845.575	632773.266	903785.276	1423555.166	1367013.933	119932.331
81	627590.930	146313.310	383907.918	590421.979	418464.231	486981.800	1574810.542	1646573.683	429025.847
82	1154584.337	432503.629	585052.180	604076.942	123893.314	388613.547	2049150.056	2051619.997	590694.788
83	881521.837	340348.361	174765.964	139078.495	416668.960	101821.926	2020788.996	2116730.573	818497.512
84	323148.581	526984.920	414406.937	600277.163	827834.813	674531.441	1588773.752	1774117.259	901947.169
85	790386.299	320724.960	82979.353	155939.288	468940.495	192954.618	1952776.694	2063051.595	816489.182
86	827886.866	210526.544	497210.449	655901.815	278113.672	490822.065	1662265.642	1686100.728	298316.972
87	633299.991	238838.966	486456.862	693032.413	465211.059	581356.250	1493258.639	1551773.921	351139.305
88	586972.789	356303.354	583236.644	798871.854	578881.480	698787.893	1373041.752	1434100.949	354455.051
89	689112.428	574208.887	812925.968	1027007.394	744618.991	915439.661	1199150.175	1222791.652	340213.301
90	983720.895	446727.067	276756.508	115539.105	466014.581	128990.378	2134584.538	2229234.509	909456.319
91	1096161.988	743910.410	1030142.474	1200982.036	740545.191	1029172.153	1418612.552	1322805.250	246950.664
92	479517.068	330529.968	228787.209	444938.294	623548.018	479227.979	1669526.368	1812231.442	760145.118
93	742942.880	403987.139	116137.110	172329.646	584667.219	301800.035	1951954.352	2084570.279	901668.708
94	1340584.690	1731389.940	1900118.783	2129113.365	1936574.843	2069795.589	114669.972	288767.981	1482872.864
95	735383.741	475342.191	188346.980	209402.315	663357.549	372916.292	1970583.747	2117086.615	970957.671
96	1186365.962	524147.787	495546.036	388116.282	360215.282	234440.953	2242563.327	2290963.699	872249.745
97	244961.900	480267.023	477327.306	695295.154	790752.618	715872.803	1432273.977	1599614.369	764680.457
98	909057.822	363976.375	651517.385	807712.130	365049.207	633197.522	1610311.631	1600148.698	153389.080
99	1045235.699	534575.591	821160.959	967833.344	477986.422	782215.899	1608444.261	1555346.824	118413.164
100	1159905.873	1774905.127	1848969.757	2066402.527	2047955.005	2074749.892	544633.179	948071.132	1708484.889

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	37	38	39	40	41	42	43	44	45
69	713936.305	905771.761	398218.834	2005664.279	1157015.270	846871.902	830601.807	404674.176	980958.369
70	2167341.247	1803199.295	2214657.649	165979.465	1413566.803	1282094.127	1605815.567	1846664.041	1694802.709
71	149518.905	501416.304	950786.359	2134548.297	899831.561	865312.446	580033.218	345190.080	620494.103
72	278742.848	187697.336	1280596.432	2009177.223	616368.533	793842.970	393657.738	518230.709	310068.232
73	590076.940	468904.963	910414.449	1618562.307	604585.682	353830.549	303124.247	214563.096	490566.623
74	549830.376	587632.711	725304.015	1771118.502	802011.628	533754.094	479410.194	101734.353	643610.909
75	250455.983	626374.562	874851.309	2212320.205	1018396.252	945582.517	692156.139	392603.635	744192.038
76	289116.617	236374.996	1073261.896	1882366.539	604832.341	625810.114	287336.489	291775.215	338661.258
77	916718.149	526092.099	1413071.854	1306969.051	194679.729	328369.450	348692.292	722213.963	418986.711
78	681633.914	247913.602	1444128.463	1636577.409	191497.028	562445.403	242178.861	663042.228	121008.105
79	404785.945	181844.997	1124355.706	1772726.778	488864.337	529279.382	166684.477	331458.884	247596.194
80	1010015.438	940794.394	713803.825	1451494.313	960851.996	482399.406	746222.278	560269.964	943794.819
81	609509.565	419461.290	998356.725	1572537.563	516021.451	303514.073	227537.900	288054.728	422394.464
82	427601.461	676885.663	674474.542	2059509.102	1001398.512	815255.760	662425.771	254229.109	773063.345
83	181631.491	255448.043	1145507.793	2009763.202	677506.258	761684.813	395398.151	399224.152	380662.393
84	769298.284	336937.538	1487804.524	1558479.520	103094.844	539691.714	287967.966	719221.391	210046.315
85	276659.023	158791.906	1199385.319	1938704.943	583412.420	706937.522	318913.215	425204.796	284278.452
86	601435.394	560404.144	792586.179	1670334.463	722442.868	428590.080	416352.946	163627.357	596879.115
87	702976.373	518173.586	968988.019	1494853.407	556047.780	230864.375	311641.029	336013.175	509437.765
88	820949.173	601935.268	1020118.737	1375330.385	552834.846	122183.689	378645.893	451810.105	571364.994
89	1035939.059	830179.747	1022832.953	1212403.837	719227.389	219852.122	603974.290	629770.076	791431.069
90	106304.340	344101.302	1178662.087	2123298.298	774645.441	874930.900	506997.565	476648.816	471036.778
91	1131272.378	1079395.922	682379.111	1454776.000	1092541.439	604235.965	885366.265	681693.926	1082986.568
92	583155.529	178447.040	1301292.106	1649366.208	280589.333	485937.535	104801.130	519842.599	100228.646
93	363222.192	104852.875	1314128.211	1932503.616	526617.263	736944.897	328729.366	532825.105	220758.336
94	2192595.172	1877889.259	2054001.512	205406.736	1537520.440	1283277.033	1660167.151	1819032.579	1785037.323
95	420905.440	141832.559	1392900.793	1947653.007	515656.905	779904.861	370490.844	610643.943	221846.642
96	166594.050	581431.858	977878.512	2241557.406	992801.863	972309.150	680198.422	444288.014	704782.368
97	826451.990	426852.682	1392498.376	1407884.725	137021.291	365340.976	265063.004	667902.765	318093.032
98	737257.762	712491.023	691264.790	1626432.175	833113.542	452634.764	552315.394	287234.326	740946.967
99	877507.148	883853.830	571373.305	1633926.256	989102.530	563152.101	721630.444	433492.712	911989.093
100	2191308.604	1796720.589	2371958.790	453896.415	1380003.971	1353232.181	1621990.327	1917945.914	1678913.601

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	46	47	48	49	50	51	52	53	54
69	914460.870	1045082.917	113606.514	977205.059	632377.105	726192.069	549963.955	910980.696	887542.661
70	1295609.648	1142267.565	1950915.087	1319848.214	1458376.245	1469955.999	1919232.056	2163092.362	2255131.509
71	849944.155	1005080.746	538620.332	848745.292	733095.077	673391.281	223131.826	355570.165	321797.954
72	721896.421	861191.197	818528.500	672582.023	759227.713	613207.270	338319.525	175407.196	276562.968
73	376878.585	525006.963	449273.915	423242.825	217685.929	180785.549	308936.142	684703.178	733436.951
74	577653.281	720036.269	251224.279	629280.894	342768.167	382945.769	287369.515	699696.314	717760.577
75	943305.449	1098278.530	507624.436	951498.780	792839.723	758423.943	321212.299	458907.995	402767.486
76	583655.916	735995.787	601505.729	565907.629	550714.490	433148.564	129561.110	347463.133	404133.097
77	201988.621	213391.161	972041.202	107623.588	508887.651	358995.574	713384.220	887627.333	983617.069
78	443361.966	533785.238	969310.836	349188.530	650958.555	462329.020	568425.645	597889.405	703863.084
79	473602.388	623171.809	646869.035	448023.484	488575.684	343040.541	222593.817	425736.135	500179.380
80	604733.193	668276.251	477303.195	707002.144	318386.868	506725.604	735015.633	1142104.132	1173258.157
81	302154.509	454996.825	538484.132	337961.455	227958.021	112003.526	340082.221	677288.003	738137.692
82	842759.616	992218.880	274022.532	876302.185	631138.068	647224.251	312030.513	628172.181	600569.540
83	710698.689	859811.378	688379.793	681221.222	691073.331	570655.415	213534.330	208595.182	265477.027
84	413025.671	480463.051	1017323.889	309584.209	656955.721	470682.455	640786.786	688482.732	794472.077
85	643499.680	788131.363	731512.083	604091.568	662170.145	521955.619	251868.375	248228.506	331461.595
86	475924.667	616009.544	333423.748	533480.363	241644.028	283438.647	321691.940	727463.489	760234.606
87	270760.114	410629.593	531599.374	337474.377	126651.483	87314.767	426193.603	779190.723	837383.528
88	207796.060	319888.504	612122.181	302277.009	104088.878	126202.128	546053.468	887610.197	950802.889
89	349241.717	366179.686	698107.621	456815.182	231228.757	355251.261	755111.410	1114585.146	1173671.434
90	824410.979	973074.402	740595.355	793083.476	797371.539	683246.188	293111.266	126106.730	153577.121
91	730683.043	779132.595	547111.187	835327.519	455593.242	644221.335	861537.750	1271727.503	1297926.451
92	385676.732	509040.194	826024.434	316768.535	535494.841	350069.930	434290.105	539104.546	636113.692
93	655252.912	788755.009	843608.316	597789.410	724933.447	565334.752	366636.161	261870.578	366516.379
94	1332933.418	1193457.112	1863027.633	1384951.021	1418602.863	1477395.646	1923947.468	2223575.542	2304300.082
95	688793.778	813752.742	922139.673	621265.180	784896.386	617539.639	445391.111	284356.418	394508.336
96	956241.289	1111300.837	600757.619	952786.451	837357.578	780416.380	329984.641	367995.046	302803.406
97	235446.952	297884.183	937654.144	128398.549	512660.488	339933.511	638255.126	789163.137	886679.945
98	535503.583	653695.818	287359.722	614318.888	235605.238	366657.835	465447.777	876256.313	902221.607
99	666205.249	763474.225	290186.423	755952.669	354465.292	518987.990	618783.078	1031319.497	1047971.941
100	1338794.760	1184021.657	2062948.394	1339891.849	1550933.731	1527611.239	1964491.545	2159422.198	2258682.508

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	55	56	57	58	59	60	61	62	63
69	753661.029	2092407.818	189972.468	437700.503	959377.017	2139259.801	1102187.498	664405.178	524139.764
70	1566924.406	96801.482	1933319.901	1702551.742	2125378.291	211394.497	1170035.602	1433698.989	2029660.382
71	583578.549	2152789.299	447758.497	884475.923	414825.639	2170679.576	1003809.114	995113.599	114723.119
72	470053.336	1982234.410	716074.199	1083296.969	145273.050	1981313.175	818391.611	1103136.940	366790.662
73	204789.712	1653104.252	374018.092	563785.483	690853.345	1680856.672	559831.798	547377.304	407631.184
74	398601.230	1824805.022	168204.246	473269.005	726771.560	1859393.398	763197.870	557549.272	336415.607
75	684053.322	2241789.965	431883.663	876180.446	524142.111	2264090.757	1105407.057	1018396.389	209069.307
76	312157.181	1882622.515	499357.801	852590.024	355839.039	1894183.788	721068.162	880826.496	212861.903
77	356949.395	1269983.084	901050.168	976635.138	847983.438	1270644.870	119643.263	817736.520	825235.559
78	344199.561	1583092.943	876688.027	1096901.873	545479.928	1573001.594	454677.885	1010796.982	663201.361
79	206149.493	1766850.273	548347.858	848285.487	415164.032	1776494.789	602694.868	839280.856	324508.250
80	634903.528	1559604.195	504845.365	200093.318	1157228.911	1617889.352	764822.858	101433.033	798629.121
81	120996.720	1595322.524	461979.131	633682.252	673899.698	1618571.687	479652.776	585143.242	448355.602
82	617106.976	2111335.553	203426.966	645337.961	680610.958	2143652.237	1021686.925	805489.335	252048.655
83	441925.155	2000835.811	586392.060	972323.931	227377.913	2007728.802	834376.619	1016553.172	229088.848
84	374537.671	1498543.745	928505.682	1115876.937	635553.565	1486262.877	390497.463	1008354.044	740104.316
85	382708.233	1921688.149	629036.678	985864.669	237188.686	1925482.571	754702.772	1004139.604	301621.175
86	322137.276	1720694.913	265286.008	469222.501	744595.697	1754567.212	662617.625	500728.475	397077.373
87	200266.568	1530125.893	470724.129	564134.887	776822.681	1559185.225	458194.865	488818.059	528918.543
88	274359.098	1415149.383	564516.831	570441.125	880180.379	1447185.761	389219.804	437984.123	649341.826
89	503079.860	1286617.686	681945.687	517360.261	1109152.796	1333981.037	472362.033	293252.877	850457.213
90	555762.272	2112373.271	641363.803	1050363.210	177409.559	2117825.729	945429.374	1112971.428	264472.700
91	774021.509	1584363.395	595114.669	185847.184	1289631.218	1650816.234	881037.928	123544.934	917566.313
92	214667.332	1618496.708	733236.977	965938.850	500862.992	1618266.244	456261.637	899375.954	535031.691
93	418087.817	1899645.483	741387.741	1081231.721	217782.416	1896572.598	739490.127	1078735.476	418352.881
94	1598506.511	468187.683	1864938.015	1562418.031	2196961.996	582780.698	1252786.116	1301937.331	2028023.385
95	469384.203	1904217.094	819976.275	1154389.525	224114.722	1896398.469	754864.588	1142764.264	494525.196
96	688809.709	2259295.035	518633.702	961900.756	436740.250	2276504.454	1108043.820	1088255.626	221306.988
97	297713.485	1369097.340	859497.958	981342.840	748133.318	1367735.779	217867.593	847265.704	748246.217
98	448519.788	1699791.523	268209.492	315892.133	896523.280	1743256.402	721547.372	367754.551	525362.949
99	615624.831	1732597.148	329641.363	145190.379	1056539.655	1786055.091	845336.334	288365.994	662556.142
100	1602365.191	191115.468	2031971.336	1855588.498	2113572.372	76522.453	1184642.689	1588948.565	2077136.333

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	64	65	66	67	68	69	70	71	72
69	976634.980	539202.346	758025.177	356954.689	1162417.839	.	2056976.814	565747.170	882458.676
70	2225822.159	1571713.519	1318654.719	2211992.675	1298398.251	2056976.814	.	2142341.232	1988165.237
71	414546.458	623014.664	867909.309	262502.492	962586.856	565747.170	2142341.232	.	385355.550
72	239710.519	683366.902	859312.704	641495.096	710906.562	882458.676	1988165.237	385355.550	.
73	762572.274	127535.897	346472.095	583863.053	604459.359	557961.053	1635560.101	522292.612	555831.656
74	775795.862	229100.436	483465.041	413799.283	809145.547	355098.111	1800758.419	437609.833	614811.309
75	507712.526	678864.311	931904.830	165003.390	1076127.980	509731.212	2227375.571	125568.465	508490.517
76	425245.838	463511.153	665374.014	499592.161	667536.270	676573.776	1878255.962	295686.516	230710.313
77	948684.563	559253.941	471322.146	1074826.781	102130.946	1083001.931	1277458.425	926311.299	712261.495
78	647474.045	640378.499	683422.024	947858.274	299825.650	1066396.414	1597983.402	738006.254	428063.894
79	500290.348	420542.840	587437.328	602919.370	547389.222	734893.402	1764470.209	415208.024	272168.184
80	1219877.320	349747.740	341288.843	827131.315	907477.269	566076.055	1515381.738	900264.579	1027543.795
81	753976.098	178673.731	331587.701	653722.607	515637.716	646916.052	1581896.922	562067.908	532623.912
82	691519.926	516990.120	771896.844	126615.955	1034096.232	287083.173	2088550.493	278839.619	618781.220
83	286608.248	601689.763	805640.252	505829.217	756737.367	747758.295	2000116.544	255316.581	137803.023
84	737473.063	662157.571	670490.731	1021114.544	218355.497	1118431.720	1515605.989	819897.470	518564.131
85	321665.924	584470.615	765702.263	587906.612	666416.675	801421.514	1923802.818	346768.080	99223.888
86	805181.427	126675.070	382581.362	514872.677	719738.372	443869.043	1697591.067	506973.360	619662.678
87	856134.068	115715.966	231908.238	704725.162	533305.332	644281.990	1511923.708	643628.310	635659.474
88	963617.984	188874.733	123127.753	818282.359	504500.933	725715.525	1394865.316	764047.411	736619.120
89	1191125.174	343599.008	106696.408	976629.899	641531.928	805972.388	1253394.895	964319.478	965992.941
90	198490.504	703389.197	915469.187	500371.420	860047.962	785735.902	2112605.071	237922.493	175391.184
91	1349182.257	488188.095	461117.795	915505.874	1033580.421	617526.996	1532665.106	1014364.530	1162243.844
92	600859.548	510551.510	589277.251	814599.118	354985.061	922959.926	1625000.011	619284.845	363738.676
93	318555.549	660237.356	814136.948	702970.939	623751.476	916586.726	1907608.571	455466.784	91282.445
94	2293055.291	1533317.996	1278971.825	2168211.989	1417226.996	1959844.570	371386.201	2142740.055	2053538.943
95	325232.042	726510.989	866322.049	776798.576	621656.689	995349.312	1916144.053	524945.358	142499.233
96	410711.954	726133.232	973183.675	267935.453	1060543.494	609888.938	2249208.331	107031.172	441600.424
97	849123.408	542570.935	502771.039	1008506.703	121460.711	1045849.223	1377693.233	844970.900	613761.422
98	953523.461	163636.939	359084.384	577624.445	812309.390	399206.275	1668333.763	627542.207	773730.395
99	1107550.419	321202.971	440369.874	650967.072	957540.064	377479.871	1692176.222	754273.558	938666.388
100	2215530.158	1659075.839	1417246.828	2287226.370	1274948.611	2173350.344	287916.950	2185892.406	1984386.110

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	73	74	75	76	77	78	79	80	81
69	557961.053	355098.111	509731.212	676573.776	1083001.931	1066396.414	734893.402	566076.055	646916.052
70	1635560.101	1800758.419	2227375.571	1878255.962	1277458.425	1597983.402	1764470.209	1515381.738	1581896.922
71	522292.612	437609.833	125568.465	295686.516	926311.299	738006.254	415208.024	900264.579	562067.908
72	555831.656	614811.309	508490.517	230710.313	712261.495	428063.894	272168.184	1027543.795	532623.912
73	.	206149.598	593768.016	337394.198	527068.974	544586.037	294526.407	475092.485	89221.155
74	206149.598	.	468800.618	385497.027	733189.257	719041.125	407005.890	462969.354	293790.728
75	593768.016	468800.618	.	413751.806	1034280.862	860692.256	530528.798	919702.080	646474.464
76	337394.198	385497.027	413751.806	.	635860.966	450360.995	120761.854	801499.487	334090.050
77	527068.974	733189.257	1034280.862	635860.966	.	335464.011	515347.895	806718.707	440103.070
78	544586.037	719041.125	860692.256	450360.995	335464.011	.	347077.056	968744.145	464994.617
79	294526.407	407005.890	530528.798	120761.854	515347.895	347077.056	.	769557.822	261034.014
80	475092.485	462969.354	919702.080	801499.487	806718.707	968744.145	769557.822	.	524040.503
81	89221.155	293790.728	646474.464	334090.050	440103.070	464994.617	261034.014	524040.503	.
82	467222.278	288437.366	233606.073	440525.207	972771.792	875495.181	528607.092	704821.375	542178.320
83	476652.648	499399.047	380606.254	140576.875	739554.116	501355.783	237097.187	934431.768	474139.487
84	579290.170	766100.529	941154.483	528201.352	271394.769	90625.978	418203.432	974911.808	494194.374
85	456954.640	519661.845	472310.402	134168.657	655106.197	405130.001	178919.451	928319.956	436719.602
86	117906.229	105171.390	555182.145	390226.537	639132.934	658523.144	379439.827	414750.535	206603.502
87	123847.192	309425.928	717538.899	434189.256	444945.505	536336.331	363965.305	435061.755	103037.095
88	243426.723	412899.034	837029.869	546674.550	406306.063	574244.432	465019.236	408017.754	212835.275
89	446228.481	563518.447	1022366.270	770518.265	539754.616	778897.147	694074.496	318830.018	437332.922
90	580863.912	578382.259	351515.545	250692.747	848076.608	591729.966	350829.940	1027322.812	584597.070
91	612495.578	581450.487	1022515.587	934561.318	931946.018	1106530.644	906996.523	139251.216	663221.407
92	406969.416	576034.944	738450.230	324699.251	348524.594	143451.998	211785.731	849085.716	332318.383
93	534006.680	623127.442	580660.544	242139.725	630258.011	337378.984	239694.622	1009099.148	497061.991
94	1620980.281	1755598.794	2210865.666	1907542.756	1370707.245	1705625.724	1804158.540	1395904.560	1585125.556
95	601757.252	699753.701	649165.949	320634.879	640831.481	324271.110	307823.477	1076175.497	558253.135
96	628242.794	531723.327	103048.598	393315.685	1027980.288	824413.159	513998.161	991581.373	669095.781
97	488382.538	691523.773	956958.716	551050.777	100917.163	237855.652	430381.712	824339.409	399186.811
98	250448.223	189943.321	653374.740	543691.062	721922.681	792218.648	532558.979	273283.940	327524.810
99	421464.292	331775.776	757378.914	707965.469	862320.531	959822.992	703426.998	188757.694	495004.045
100	1703434.785	1886017.871	2282067.670	1905705.926	1276826.447	1570888.435	1787002.750	1660079.259	1638381.940

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	82	83	84	85	86	87	88	89	90
69	287083.173	747758.295	1118431.720	801421.514	443869.043	644281.990	725715.525	805972.388	785735.902
70	2088550.493	2000116.544	1515605.989	1923802.818	1697591.067	1511923.708	1394865.316	1253394.895	2112605.071
71	278839.619	255316.581	819897.470	346768.080	506973.360	643628.310	764047.411	964319.478	237922.493
72	618781.220	137803.023	518564.131	99223.888	619662.678	635659.474	736619.120	965992.941	175391.184
73	467222.278	476652.648	579290.170	456954.640	117906.229	123847.192	243426.723	446228.481	580863.912
74	288437.366	499399.047	766100.529	519661.845	105171.390	309425.928	412899.034	563518.447	578382.259
75	233606.073	380606.254	941154.483	472310.402	555182.145	717538.899	837029.869	1022366.270	351515.545
76	440525.207	140576.875	528201.352	134168.657	390226.537	434189.256	546674.550	770518.265	250692.747
77	972771.792	739554.116	271394.769	655106.197	639132.934	444945.505	406306.063	539754.616	848076.608
78	875495.181	501355.783	90625.978	405130.001	658523.144	536336.331	574244.432	778897.147	591729.966
79	528607.092	237097.187	418203.432	178919.451	379439.827	363965.305	465019.236	694074.496	350829.940
80	704821.375	934431.768	974911.808	928319.956	414750.535	435061.755	408017.754	318830.018	1027322.812
81	542178.320	474139.487	494194.374	436719.602	206603.502	103037.095	212835.275	437332.922	584597.070
82	.	481131.890	942598.625	549270.350	390973.210	585556.203	696686.609	850408.307	504438.644
83	481131.890	.	588298.626	96656.870	520200.921	574684.883	686344.000	910959.058	113849.914
84	942598.625	588298.626	.	492646.831	696270.481	551743.459	570692.082	759362.529	681037.350
85	549270.350	96656.870	492646.831	.	520952.355	539665.348	643599.573	872235.584	193804.993
86	390973.210	520200.921	696270.481	520952.355	.	205918.158	307781.649	467918.704	612882.124
87	585556.203	574684.883	551743.459	539665.348	205918.158	.	120429.784	336366.917	683829.951
88	696686.609	686344.000	570692.082	643599.573	307781.649	120429.784	.	229723.661	797305.763
89	850408.307	910959.058	759362.529	872235.584	467918.704	336366.917	229723.661	.	1020141.770
90	504438.644	113849.914	681037.350	193804.993	612882.124	683829.951	797305.763	1020141.770	.
91	798495.776	1065149.724	1110420.133	1063073.326	545119.830	574031.086	540845.612	415713.153	1154626.003
92	736785.125	402013.792	206593.071	311591.206	518558.349	414035.842	471607.927	691208.062	505359.609
93	666583.263	200160.217	427971.625	117313.126	612438.270	598874.282	691030.423	920558.078	263337.264
94	2041759.492	2040417.586	1633477.267	1976384.207	1659125.735	1499117.430	1378712.636	1192108.536	2154236.754
95	743980.313	271286.001	413413.775	195180.468	685181.423	658275.633	743741.736	971997.756	316364.612
96	328191.783	326797.729	908972.361	423006.488	607541.749	750070.875	870500.523	1068534.883	272682.883
97	912719.539	647339.637	184407.783	560291.474	604993.564	426983.456	416407.281	584671.407	753926.329
98	451520.210	670662.984	820223.427	675228.621	154654.301	279344.858	334516.096	415222.784	758548.541
99	532935.487	829348.199	983355.327	841018.343	324159.216	433510.240	458442.677	458193.645	910126.440
100	2168338.871	2015949.126	1482944.356	1931801.183	1780937.405	1582918.711	1473161.747	1370041.825	2124902.981

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids									
Nearest Cluster	91	92	93	94	95	96	97	98	99
69	617526.996	922959.926	916586.726	1959844.570	995349.312	609888.938	1045849.223	399206.275	377479.871
70	1532665.106	1625000.011	1907608.571	371386.201	1916144.053	2249208.331	1377693.233	1668333.763	1692176.222
71	1014364.530	619284.845	455466.784	2142740.055	524945.358	107031.172	844970.900	627542.207	754273.558
72	1162243.844	363738.676	91282.445	2053538.943	142499.233	441600.424	613761.422	773730.395	938666.388
73	612495.578	406969.416	534006.680	1620980.281	601757.252	628242.794	488382.538	250448.223	421464.292
74	581450.487	576034.944	623127.442	1755598.794	699753.701	531723.327	691523.773	189943.321	331775.776
75	1022515.587	738450.230	580660.544	2210865.666	649165.949	103048.598	956958.716	653374.740	757378.914
76	934561.318	324699.251	242139.725	1907542.756	320634.879	393315.685	551050.777	543691.062	707965.469
77	931946.018	348524.594	630258.011	1370707.245	640831.481	1027980.288	100917.163	721922.681	862320.531
78	1106530.644	143451.998	337378.984	1705625.724	324271.110	824413.159	237855.652	792218.648	959822.992
79	906996.523	211785.731	239694.622	1804158.540	307823.477	513998.161	430381.712	532558.979	703426.998
80	139251.216	849085.716	1009099.148	1395904.560	1076175.497	991581.373	824339.409	273283.940	188757.694
81	663221.407	332318.383	497061.991	1585125.556	558253.135	669095.781	399186.811	327524.810	495004.045
82	798495.776	736785.125	666583.263	2041759.492	743980.313	328191.783	912719.539	451520.210	532935.487
83	1065149.724	402013.792	200160.217	2040417.586	271286.001	326797.729	647339.637	670662.984	829348.199
84	1110420.133	206593.071	427971.625	1633477.267	413413.775	908972.361	184407.783	820223.427	983355.327
85	1063073.326	311591.206	117313.126	1976384.207	195180.468	423006.488	560291.474	675228.621	841018.343
86	545119.830	518558.349	612438.270	1659125.735	685181.423	607541.749	604993.564	154654.301	324159.216
87	574031.086	414035.842	598874.282	1499117.430	658275.633	750070.875	426983.456	279344.858	433510.240
88	540845.612	471607.927	691030.423	1378712.636	743741.736	870500.523	416407.281	334516.096	458442.677
89	415713.153	691208.062	920558.078	1192108.536	971997.756	1068534.883	584671.407	415222.784	458193.645
90	1154626.003	505359.609	263337.264	2154236.754	316364.612	272682.883	753926.329	758548.541	910126.440
91	.	988060.800	1146255.928	1380107.111	1214122.072	1100720.498	955619.643	396096.902	265641.840
92	988060.800	.	283234.158	1701596.329	305072.390	712551.733	250581.304	656715.054	826316.623
93	1146255.928	283234.158	.	1982211.967	78773.193	521747.899	530573.792	766935.356	936041.907
94	1380107.111	1701596.329	1982211.967	.	2005068.867	2249076.409	1470545.113	1597096.333	1583108.341
95	1214122.072	305072.390	78773.193	2005068.867	.	584086.657	539939.624	839240.783	1009267.730
96	1100720.498	712551.733	521747.899	2249076.409	584086.657	.	944361.141	720683.227	837442.129
97	955619.643	250581.304	530573.792	1470545.113	539939.624	944361.141	.	706002.128	857890.153
98	396096.902	656715.054	766935.356	1597096.333	839240.783	720683.227	706002.128	.	171720.302
99	265641.840	826316.623	936041.907	1583108.341	1009267.730	837442.129	857890.153	171720.302	.
100	1698052.388	1622625.073	1898373.623	659303.151	1895022.012	2291118.226	1372165.226	1775810.035	1824890.681

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=100 Maxiter=1

Distance Between Cluster Centroids	
Nearest Cluster	100
69	2173350.344
70	287916.950
71	2185892.406
72	1984386.110
73	1703434.785
74	1886017.871
75	2282067.670
76	1905705.926
77	1276826.447
78	1570888.435
79	1787002.750
80	1660079.259
81	1638381.940
82	2168338.871
83	2015949.126
84	1482944.356
85	1931801.183
86	1780937.405
87	1582918.711
88	1473161.747
89	1370041.825
90	2124902.981
91	1698052.388
92	1622625.073
93	1898373.623
94	659303.151
95	1895022.012
96	2291118.226
97	1372165.226
98	1775810.035
99	1824890.681
100	.

