

Replace=FULL Radius=0 Maxclusters=15 Maxiter=1

Initial Seeds		
Cluster	VALP	HINCP
1	8.12156746	10.83190254
2	8.12156746	1.80008614
3	2.73028932	5.58446329
4	-0.81868615	-0.90715475
5	8.12156746	4.65132920
6	-0.66144382	4.75736088
7	8.12156746	7.50487629
8	2.19786609	11.96894371
9	3.12467689	-0.94517132
10	8.12156746	-0.96590764
11	0.46256076	1.84040674
12	3.51906446	2.26089310
13	0.02873443	7.87018101
14	-0.34593376	15.50909317
15	3.12467689	9.06931592

Criterion Based on Final Seeds =	0.3952
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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	17	0.3102	0.7394		7	3.2990
2	572	0.2969	1.8253		10	1.0321
3	347	0.6597	1.9125		6	2.0574
4	35381	0.3349	1.3686		11	1.3906
5	111	0.4518	1.8962		7	2.3510
6	472	0.6899	1.9814		3	2.0574
7	39	0.4466	1.5778		5	2.3510
8	20	0.6969	1.4498		15	2.6663
9	3397	0.4943	1.7398		11	1.7142
10	892	0.0778	0.6581		2	1.0321
11	7856	0.4872	1.9627		4	1.3906
12	700	0.6297	1.8803		9	2.0591
13	80	0.5940	1.7432		15	2.3001

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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
14	309	0.8482	1.3759		8	4.6960
15	24	0.8232	1.9600		13	2.3001

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

Statistics for Variables				
Variable	Total STD	Within STD	R-Square	RSQ/(1-RSQ)
VALP	1.00000	0.38035	0.855387	5.914990
HINCP	1.00000	0.38576	0.851235	5.722007
OVER-ALL	1.00000	0.38347	0.852999	5.802693

Pseudo F Statistic =	20807.63
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Approximate Expected Over-All R-Squared =	0.93337
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Cubic Clustering Criterion =	-192.379
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WARNING: The two values above are invalid for correlated variables.

Cluster Means		
Cluster	VALP	HINCP
1	8.12156746	10.33863068
2	8.12156746	0.75133554
3	2.12249026	5.00944995
4	-0.30893811	-0.38598413
5	8.12156746	4.68862675
6	0.24259967	4.17332703
7	8.12156746	7.03966508
8	1.92573866	10.84079227
9	1.71506273	-0.00144695
10	8.12156746	-0.28078380
11	0.24939667	0.88759834
12	2.04844665	2.03048737
13	0.56621730	6.77913160
14	-0.56517496	14.82172279
15	2.36613812	8.21115896

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Cluster Standard Deviations		
Cluster	VALP	HINCP
1	0.000000000	0.438744461
2	0.000000000	0.419885870
3	0.663449012	0.655998168
4	0.328450497	0.341205390
5	0.000000000	0.638902757
6	0.480961478	0.848811095
7	0.000000000	0.631574429
8	0.742603742	0.647873294
9	0.639023988	0.283497409
10	0.000000000	0.110033026
11	0.456202216	0.516260956
12	0.643774022	0.615361442
13	0.575282004	0.612147493
14	0.146102161	1.190560423
15	0.709676272	0.922933906

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Distance Between Cluster Centroids								
Nearest Cluster	1	2	3	4	5	6	7	8
1	.	9.58729514	8.02428155	13.64150970	5.65000393	10.00445413	3.29896560	6.21614516
2	9.58729514	.	7.35666131	8.50687488	3.93729121	8.59000344	6.28832954	11.83999289
3	8.02428155	7.35666131	.	5.91798554	6.00764969	2.05744749	6.33330093	5.83466061
4	13.64150970	8.50687488	5.91798554	.	9.83997458	4.59254963	11.23448665	11.44702095
5	5.65000393	3.93729121	6.00764969	9.83997458	.	7.89580060	2.35103834	8.73140510
6	10.00445413	8.59000344	2.05744749	4.59254963	7.89580060	.	8.38415334	6.87663069
7	3.29896560	6.28832954	6.33330093	11.23448665	2.35103834	8.38415334	.	7.26889691
8	6.21614516	11.83999289	5.83466061	11.44702095	8.73140510	6.87663069	7.26889691	.
9	12.16390185	6.45058015	5.02743323	2.06020588	7.93977922	4.42683693	9.51948325	10.84428585
10	10.61941448	1.03211934	7.99846863	8.43116192	4.96941055	9.05081414	7.32044888	12.73097596
11	12.30012542	7.87335002	4.52748720	1.39059341	8.74178986	3.28573572	9.99094581	10.09337367
12	10.29116327	6.20636977	2.97988263	3.37588469	6.62936658	2.80229283	7.87239847	8.81115938
13	8.35184708	9.66528020	2.35664140	7.21836411	7.83922997	2.62582289	7.55984085	4.28315138
14	9.77535722	16.53587891	10.17370349	15.20986545	13.34687714	10.67899023	11.66275765	4.69600453
15	6.13604944	9.42199195	3.21096634	9.00371601	6.74782928	4.56218174	5.87344573	2.66625637

Distance Between Cluster Centroids							
Nearest Cluster	9	10	11	12	13	14	15
1	12.16390185	10.61941448	12.30012542	10.29116327	8.35184708	9.77535722	6.13604944
2	6.45058015	1.03211934	7.87335002	6.20636977	9.66528020	16.53587891	9.42199195
3	5.02743323	7.99846863	4.52748720	2.97988263	2.35664140	10.17370349	3.21096634
4	2.06020588	8.43116192	1.39059341	3.37588469	7.21836411	15.20986545	9.00371601
5	7.93977922	4.96941055	8.74178986	6.62936658	7.83922997	13.34687714	6.74782928
6	4.42683693	9.05081414	3.28573572	2.80229283	2.62582289	10.67899023	4.56218174
7	9.51948325	7.32044888	9.99094581	7.87239847	7.55984085	11.66275765	5.87344573
8	10.84428585	12.73097596	10.09337367	8.81115938	4.28315138	4.69600453	2.66625637
9	.	6.41259167	1.71422826	2.05910221	6.87721537	14.99752796	8.23837331
10	6.41259167	.	7.95840372	6.49805900	10.34048942	17.42254859	10.25856026
11	1.71422826	7.95840372	.	2.13137894	5.90004572	13.95791357	7.62332831
12	2.05910221	6.49805900	2.13137894	.	4.97459806	13.05552456	6.18883100
13	6.87721537	10.34048942	5.90004572	4.97459806	.	8.12178068	2.30009072
14	14.99752796	17.42254859	13.95791357	13.05552456	8.12178068	.	7.23133118
15	8.23837331	10.25856026	7.62332831	6.18883100	2.30009072	7.23133118	.

