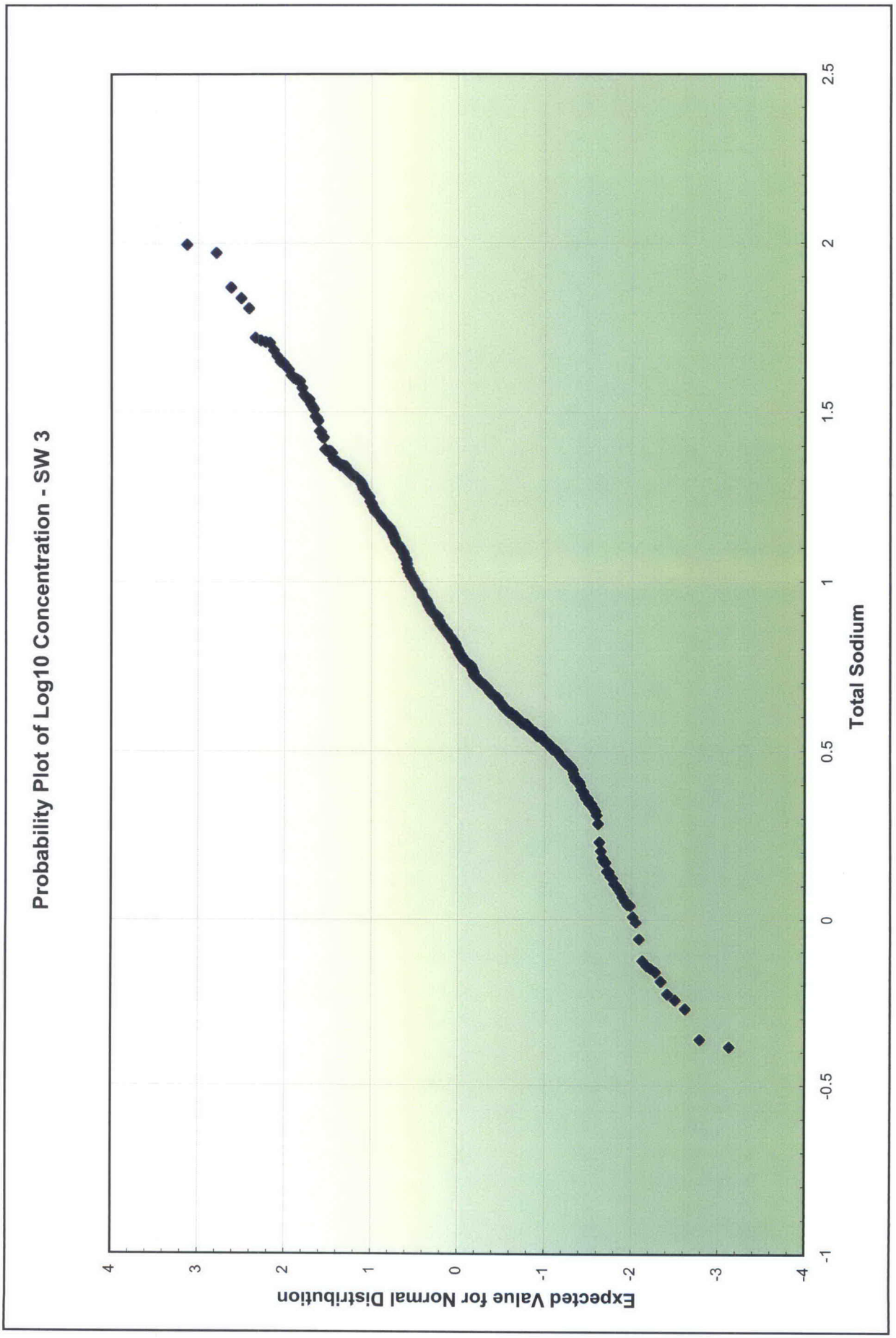
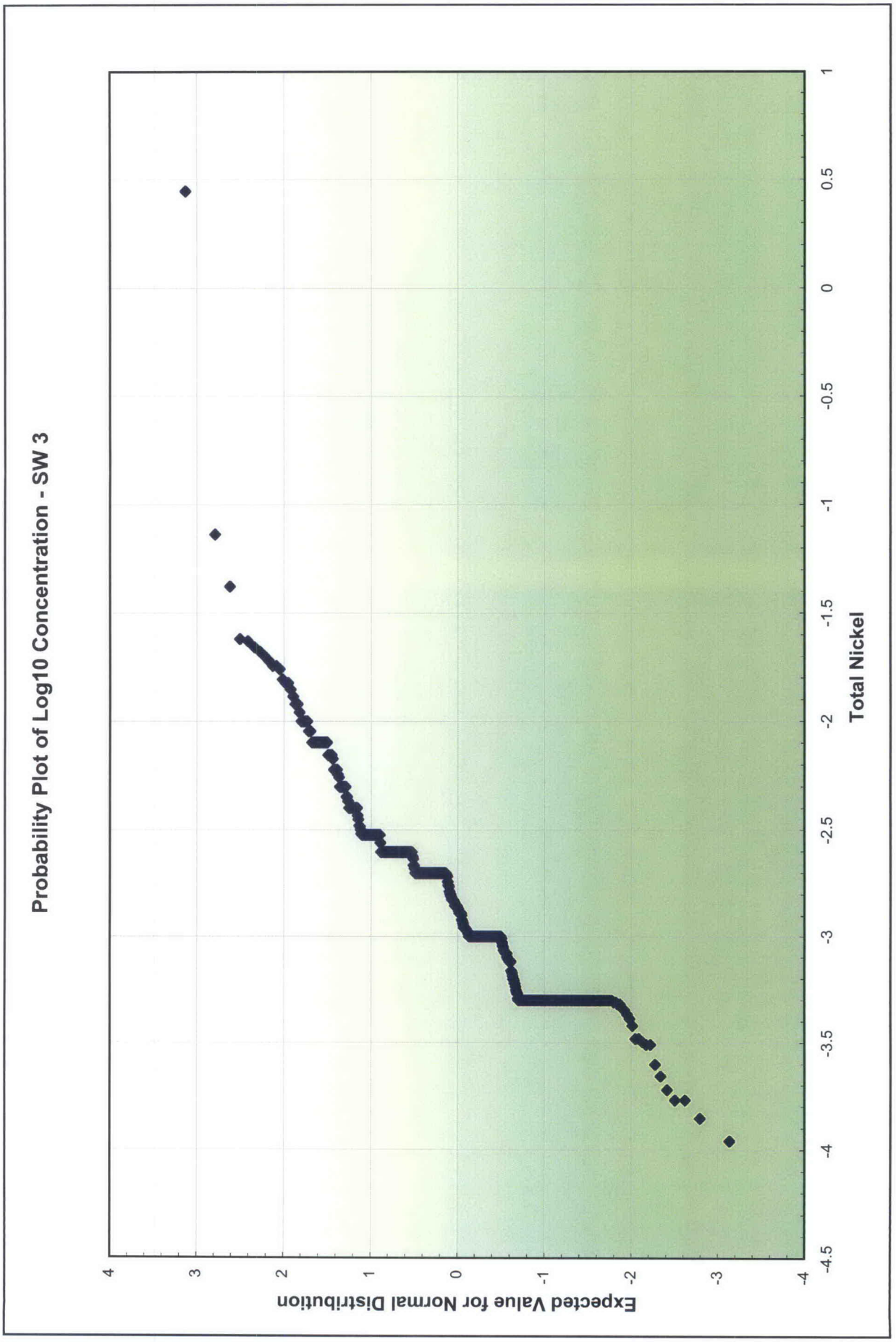
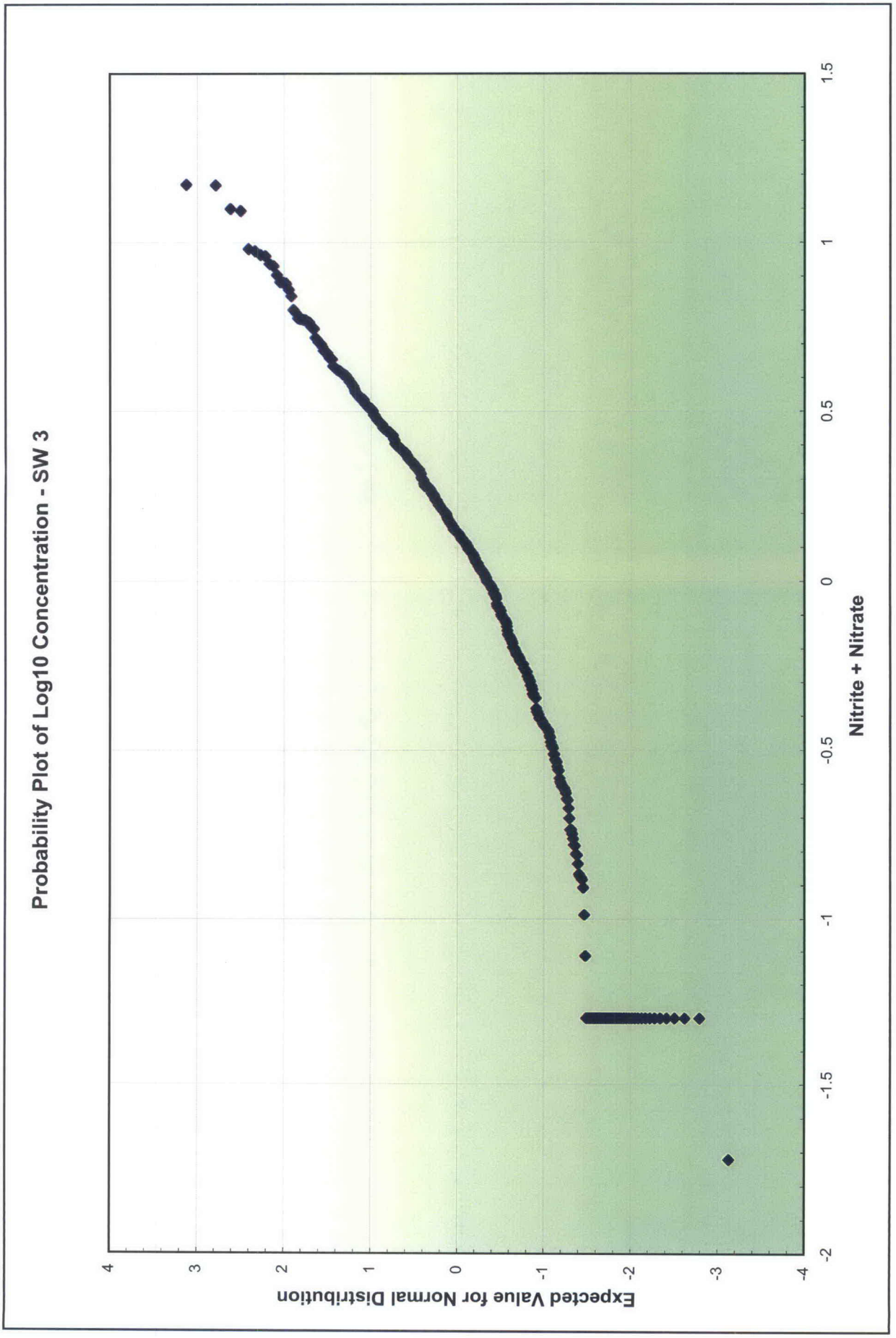
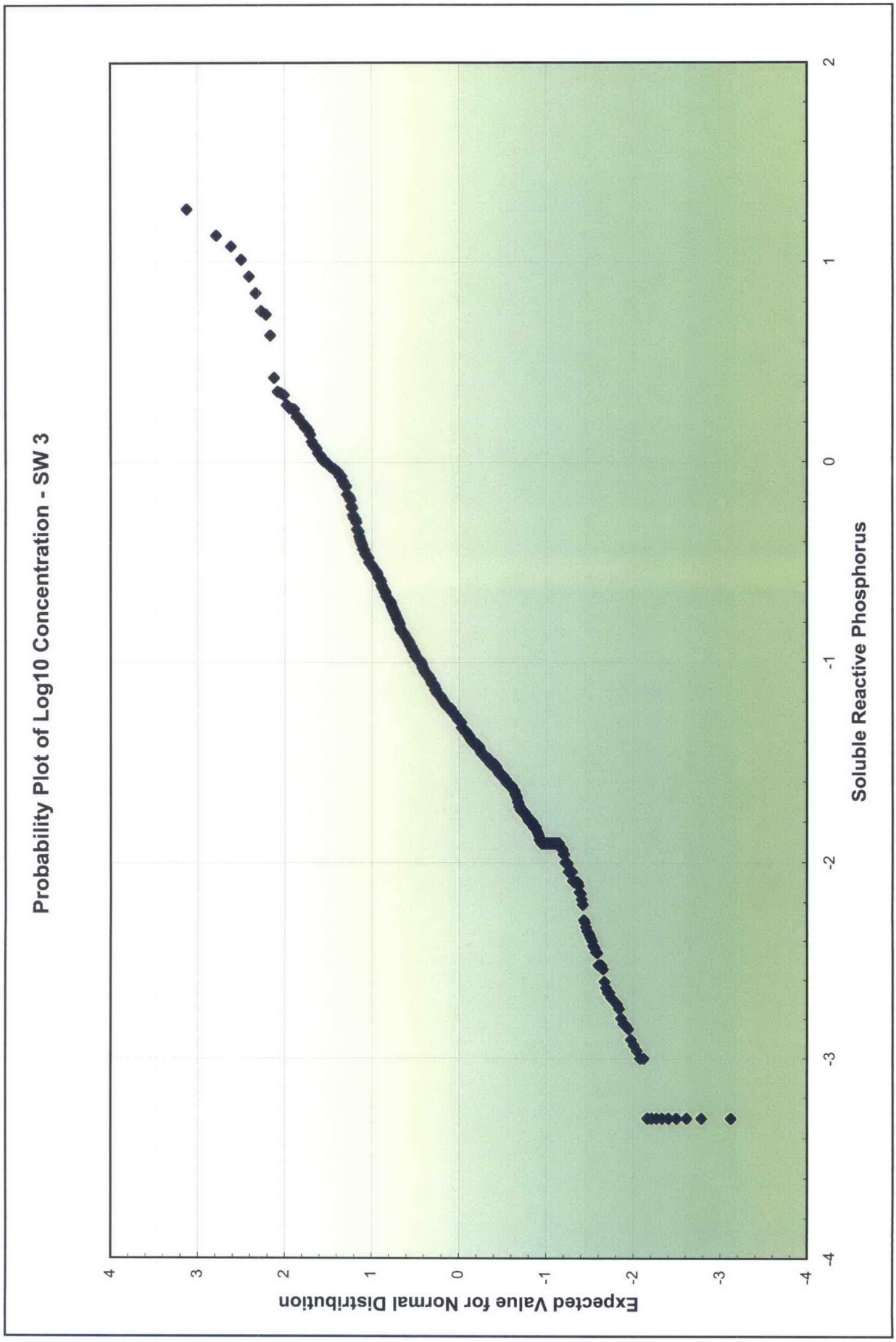
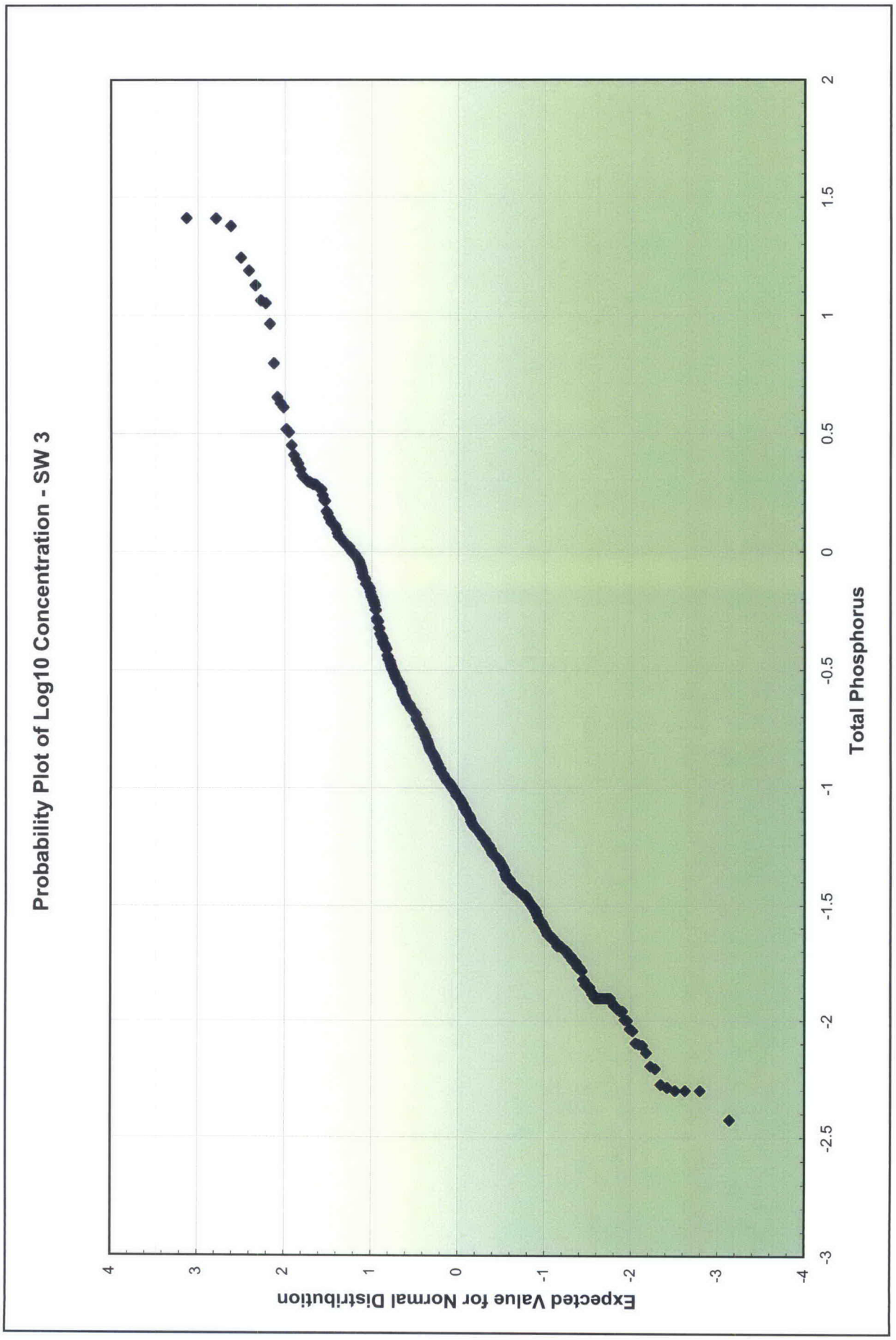
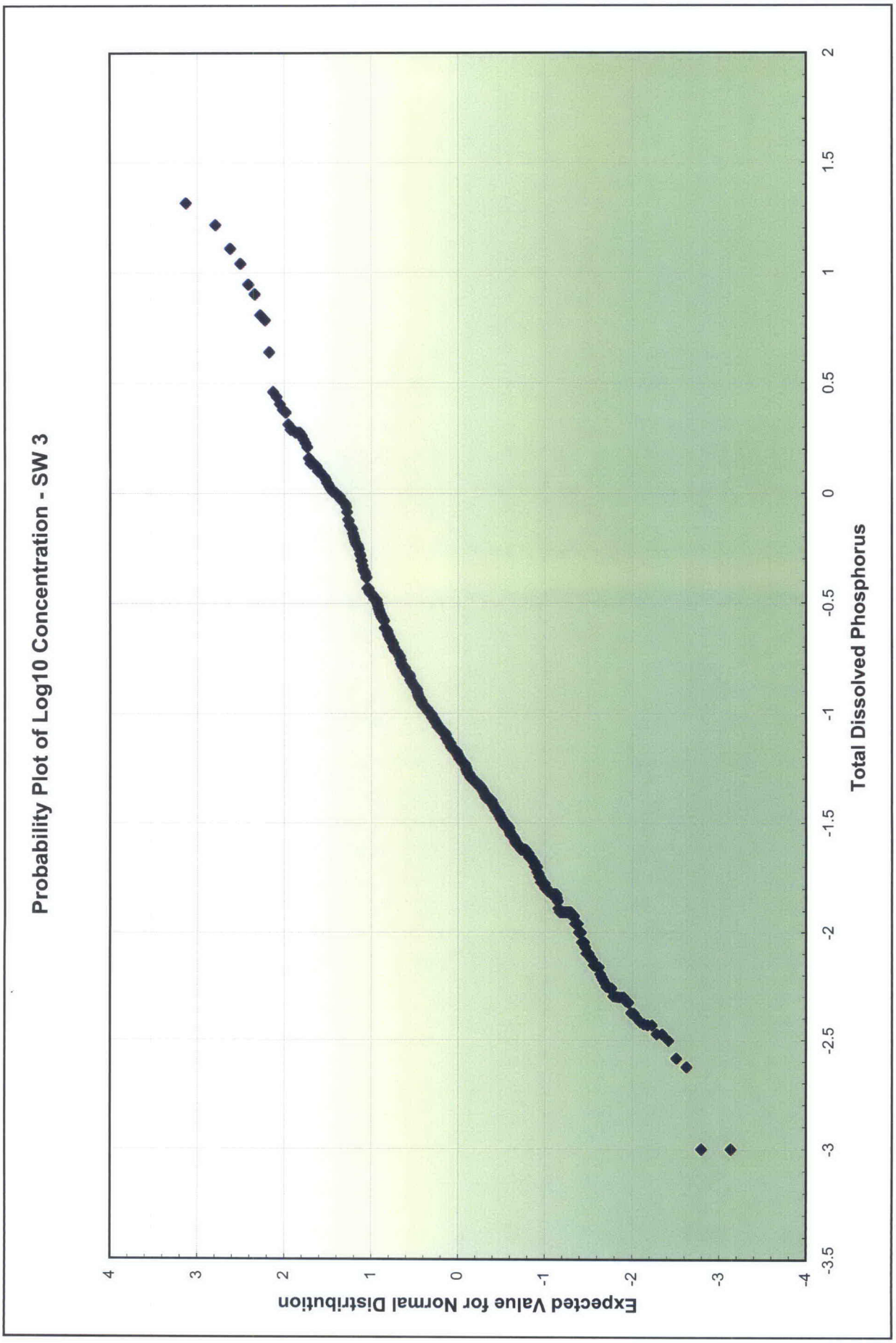

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-1
-0.5
0
0.5
1
1.5
2
2.5
Total Sodium

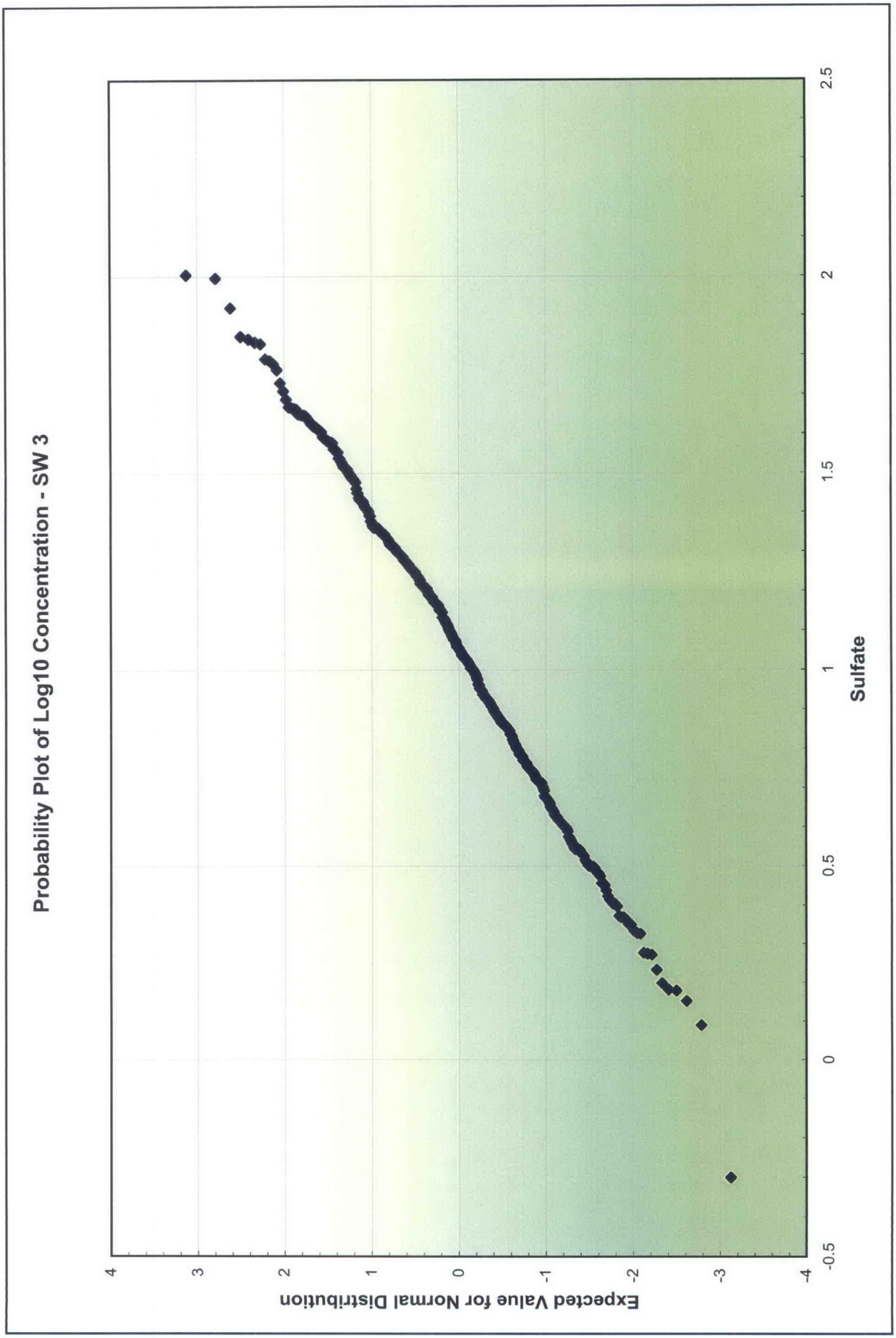

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-4.5
-4
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
Total Nickel

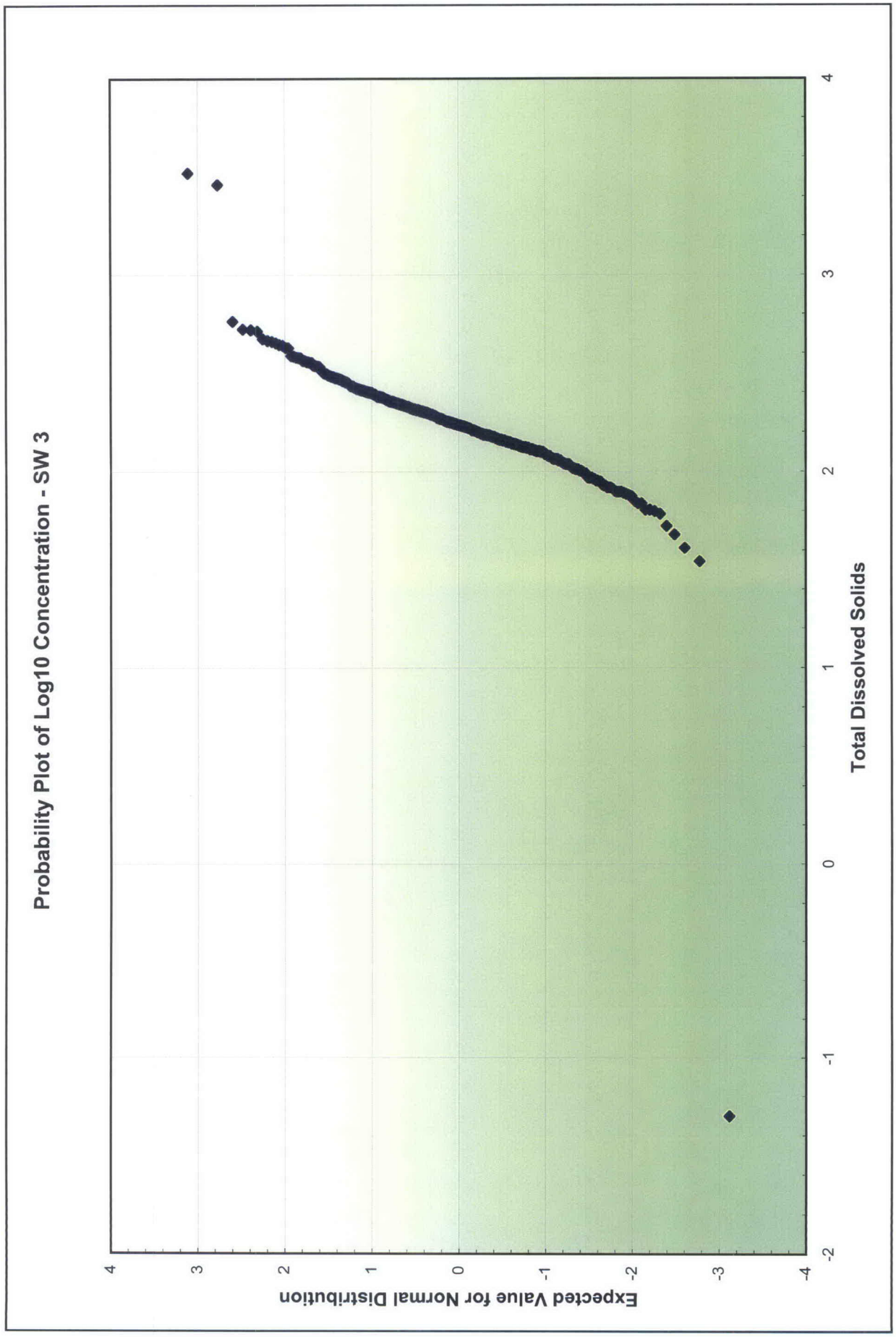

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-2
-1.5
-1
-0.5
0
0.5
1
1.5
Nitrite + Nitrate

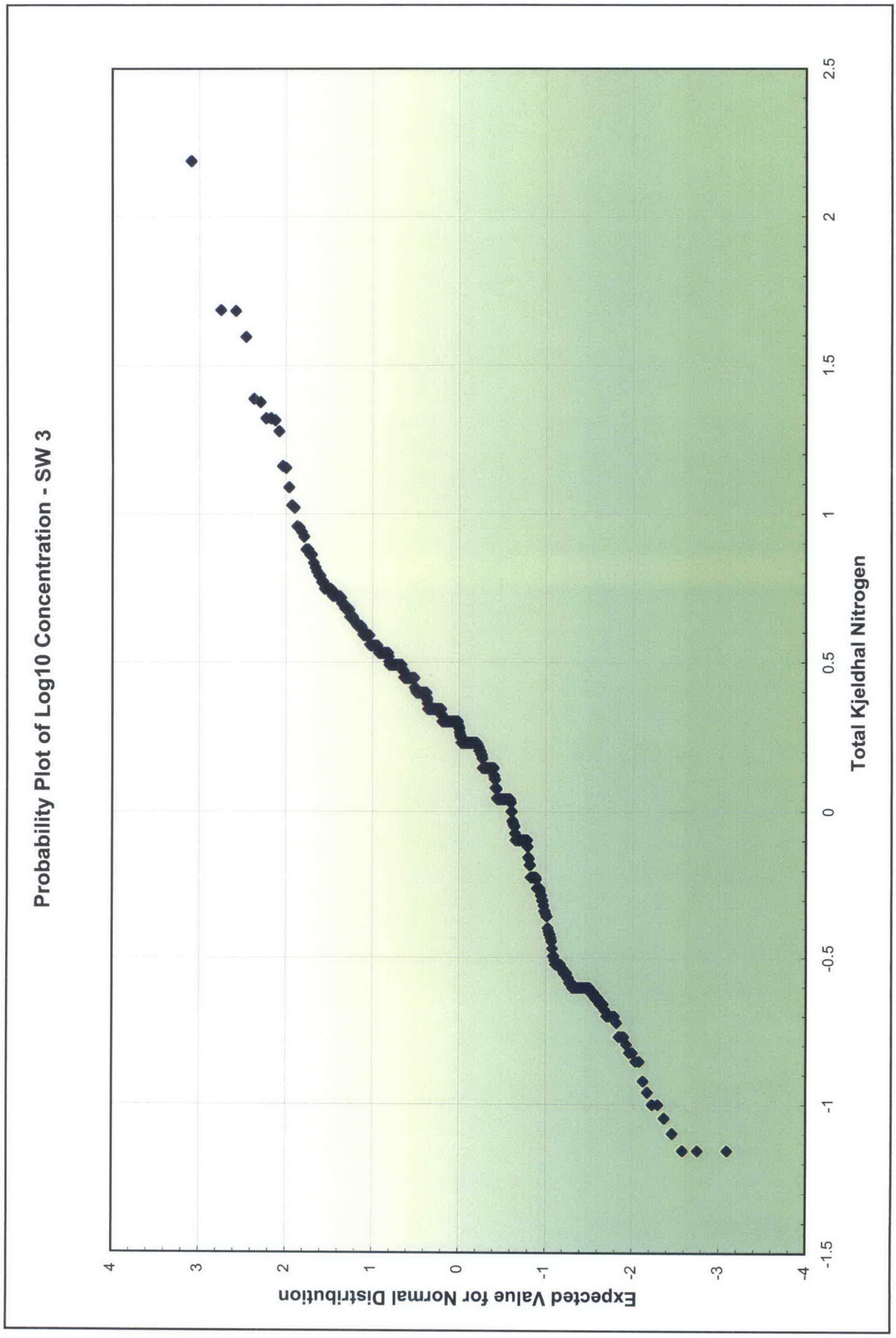

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-4
-3
-2
-1
0
1
2
Soluble Reactive Phosphorus

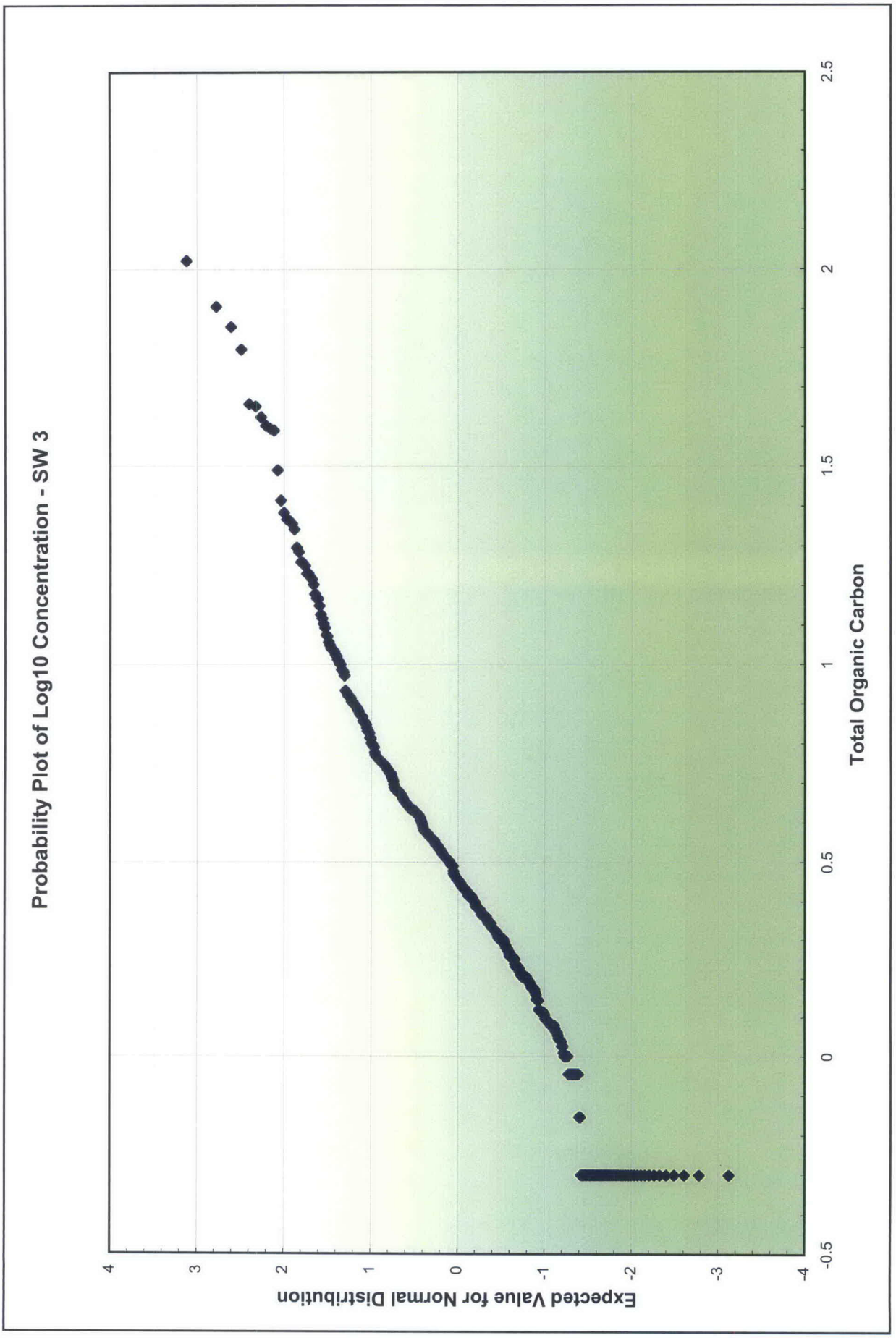

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-3
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
Total Phosphorus

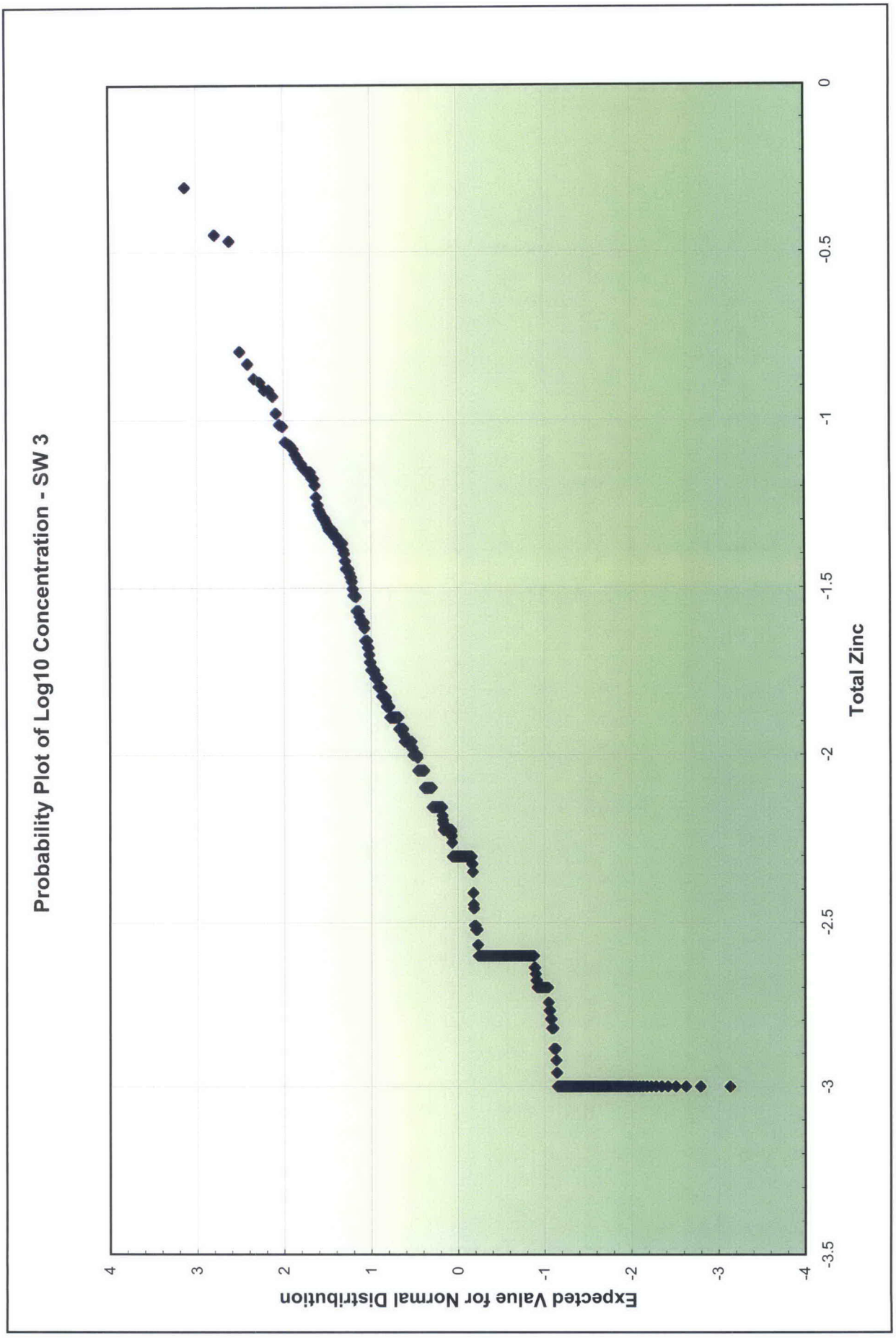

Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
Total Dissolved Phosphorus


Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-0.5
0
0.5
1
1.5
2
2.5
Sulfate


Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-2
-1
0
1
2
3
4
Total Dissolved Solids


Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
Total Kjeldhal Nitrogen


Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-0.5
0
0.5
1
1.5
2
2.5
Total Organic Carbon


Probability Plot of Log10 Concentration - SW 3
Expected Value for Normal Distribution
4
3
2
1
0
-1
-2
-3
-4
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
Total Zinc

Appendix F
Principal Component Scores (PC1 and PC2)
SW3, SW17, SD1 (Varimax), SD6, SW18

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
BS-08:8/23/2005:SW:S:-:-	1.2505508234	3.4776342730
BS-117:9/14/2005:SW:S:-:-	1.4145731216	3.7642780441
BS-208:5/1/2007:SW:S:0:-	1.2706651191	3.3730112723
BS-208:9/1/2005:SW:S:-:-	1.2842496981	3.3293785312
BS-28:8/23/2005:SW:S:-:-	1.2615482519	3.7045307341
BS-35:5/2/2007:SW:S:0:-	1.3127338516	3.8463264796
BS-35:9/22/2005:SW:S:-:-	1.4390547346	3.8050638165
BS-62A:5/1/2007:SW:S:0:-	1.3235155117	3.8627513059
BS-68:5/2/2007:SW:S:0:-	1.2786548761	3.9321464578
BS-HF04:5/1/2007:SW:S:0:-	1.5373208603	5.7424007881
BS-HF22:5/2/2007:SW:S:0:-	1.5205054133	4.8435067403
BS-HF22:8/24/2005:SW:S:-:-	1.5298193012	4.9471816482
BS-REF1:8/30/2005:SW:S:-:-	1.1834742751	3.6878162516
BS-REF2:8/31/2005:SW:S:-:-	1.0000000000	4.3736537929
BS-REF3:9/1/2005:SW:S:-:-	1.1878138051	3.6366685531
EOF01:5/23/2005:SW:S:-:-	4.4818964561	2.1085453867
EOF02:5/23/2005:SW:S:-:-	5.9370147958	1.1444228189
EOF07:5/15/2005:SW:S:-:-	6.6122026030	3.8745314254
EOF07:5/23/2005:SW:S:-:-	1.9457262837	3.6010395810
EOF07:6/5/2005:SW:S:-:-	2.0918148131	4.1529180119
EOF07-222:4/13/2007:SW:S:-:-	2.7874494503	3.4658401378
EOF07-230:4/24/2007:SW:S:-:-	1.9186996988	3.8627136184
EOF07-232:4/24/2007:SW:S:-:-	2.4965378698	2.5951687268
EOF07-259:4/13/2007:SW:S:-:-	2.9523718813	2.6629869615
EOF07-LOR#1:4/24/2007:SW:S:-:-	2.5094688437	3.2889782400
EOF08:5/23/2005:SW:S:-:-	1.7367737895	3.8739167854
EOF09:6/5/2005:SW:S:-:-	2.1355448415	3.8424229413
EOF11:6/5/2005:SW:S:-:-	2.5515570131	3.7794119770
EOF14:6/2/2005:SW:S:-:-	6.1452763456	6.0026497009
EOF15:6/2/2005:SW:S:-:-	2.0695467922	2.6886608693
EOF16:6/5/2005:SW:S:-:-	2.4541289679	2.8462972574
EOF17:6/5/2005:SW:S:-:-	2.4461763465	2.7652669043
EOF18:6/5/2005:SW:S:-:-	1.7060627008	3.5110065633
EOF19:6/5/2005:SW:S:-:-	1.7767845024	3.1690299027
EOF20:6/5/2005:SW:S:-:-	3.9047350807	3.1590242798
EOF21:6/5/2005:SW:S:-:-	2.0071555983	4.4694506339
EOF22:6/5/2005:SW:S:-:-	2.1900239721	5.6294381345
EOF23:6/5/2005:SW:S:-:-	1.8082038278	2.6543803175
EOF24:6/5/2005:SW:S:-:-	2.5251595736	2.5737959056
EOF25:6/5/2005:SW:S:-:-	2.0020758669	2.8586554922
EOF26:6/5/2005:SW:S:-:-	2.0923552659	4.3090244319
EOF27:6/5/2005:SW:S:-:-	3.2536628649	2.6872189287
EOF28:6/5/2005:SW:S:-:-	2.2212633655	3.7220604951
EOF29:6/5/2005:SW:S:-:-	5.7839470681	1.0000000000
EOF30:6/5/2005:SW:S:-:-	2.7131088876	2.4261967744
EOF-CP-1A:3/31/2008:SW:S:-:-	1.6790976667	2.8696764214
EOF-CP-1B:3/31/2008:SW:S:-:-	2.1069060719	3.1842598874
EOF-EOF1:6/17/2006:SW:S:-:-	2.2043450547	2.7396655039
EOF-GF1:3/9/2006:SW:S:-:-	1.9390451662	3.1695746486
EOF-SPREAD002:4/25/2006:SW:S:-:-	2.2095379002	3.8362720455

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
EOF-SPREAD007:4/25/2006:SW:S:-:-	2.3944310516	2.6164587927
EOF-SPREAD007:5/4/2006:SW:S:-:-	2.0917590070	3.2856504512
EOF-SPREAD010:5/9/2006:SW:S:-:-	6.2292072162	5.8732848684
EOF-SPREAD017A:5/1/2006:SW:S:-:-	6.9106047198	4.8183414321
EOF-SPREAD023:4/25/2006:SW:S:-:-	8.0983224800	9.4664884801
EOF-SPREAD023:6/18/2006:SW:S:-:-	6.6792993132	9.0800003516
EOF-SPREAD025:5/4/2006:SW:S:-:-	1.6410881542	2.8597515989
EOF-SPREAD025:6/18/2006:SW:S:-:-	1.3823091899	4.0560300153
EOF-SPREAD026:4/25/2006:SW:S:-:-	2.6164814021	2.4778236173
EOF-SPREAD026:4/29/2006:SW:S:-:-	2.0119167769	2.6297763189
EOF-SPREAD029:4/25/2006:SW:S:-:-	3.0251167731	3.0430185766
EOF-SPREAD030:3/31/2006:SW:S:-:-	1.8943017305	4.3404471682
EOF-SPREAD031:4/7/2006:SW:S:-:-	1.6485522237	4.2107841591
EOF-SPREAD036:4/25/2006:SW:S:-:-	3.3045442406	5.2784315208
EOF-SPREAD044:6/18/2006:SW:S:-:-	1.4463286140	4.2562516027
EOF-SPREAD048:5/9/2006:SW:S:-:-	2.4649238601	3.3886498389
EOF-SPREAD052:4/25/2006:SW:S:-:-	1.9109324514	3.4464616261
EOF-SPREAD053B:5/4/2006:SW:S:-:-	1.9423720683	4.0000983128
EOF-SPREAD053E:4/29/2006:SW:S:-:-	7.6490409287	9.6341597904
EOF-SPREAD053G:5/4/2006:SW:S:-:-	2.2926230103	3.3604252366
EOF-SPREAD059:4/29/2006:SW:S:-:-	1.5834908548	3.4890514931
EOF-SPREAD060:4/29/2006:SW:S:-:-	6.8966308258	9.3375530707
EOF-SPREAD064:5/4/2006:SW:S:-:-	5.6665853034	4.1394873574
EOF-SPREAD065:5/4/2006:SW:S:-:-	1.7366661166	3.3158006959
EOF-SPREAD068:6/18/2006:SW:S:-:-	1.6891670420	3.7313342401
EOF-SPREAD071:5/10/2006:SW:S:-:-	1.7557500985	3.2985125182
EOF-SPREAD073E:6/22/2006:SW:S:-:-	1.8682488946	2.9306347323
EOF-ZPEOF001:4/25/2006:SW:S:-:-	3.3824044662	2.4593256724
EOF-ZPEOF030:4/25/2006:SW:S:-:-	1.8605726402	3.4505919464
HFS-02:4/29/2006:SW:S:-:INITIAL	1.3336815355	3.6017497812
HFS-02:5/1/2006:SW:S:-:-	1.3975630432	3.7616557394
HFS-02:5/10/2006:SW:S:-:-	1.3670297221	3.7651688752
HFS-02:5/11/2006:SW:S:-:PEAK	1.3952601855	3.6471265932
HFS-02:5/4/2006:SW:S:-:PEAK	1.4221896304	3.7009750589
HFS-02:5/6/2006:SW:S:-:-	1.3751948984	3.7451841987
HFS-02:6/15/2005:SW:S:-:-	1.3766300126	3.5236622989
HFS-02:6/15/2006:SW:S:-:BF1	1.2310134253	3.6628628516
HFS-02:6/27/2005:SW:S:-:-	1.3685426951	3.5866895243
HFS-02:6/8/2006:SW:S:-:-	1.3471572113	3.6545840876
HFS-02:7/11/2005:SW:S:-:-	1.3140080835	3.5653968545
HFS-02:7/11/2005:SW:S:-:BF1	1.3210744839	3.8163217946
HFS-02:8/1/2006:SW:S:-:BF2	1.2832458648	3.5677550442
HFS-02:8/27/2005:SW:S:-:BF2	1.3053131863	3.6177405215
HFS-02:9/16/2005:SW:S:-:-	1.3025218188	3.5529792741
HFS-04:3/10/2006:SW:S:-:-	1.7294026164	6.1749557317
HFS-04:3/10/2006:SW:S:-:PEAK	1.7047056185	6.0003051089
HFS-04:4/26/2006:SW:S:-:-	1.7479152448	6.0097489461
HFS-04:4/30/2006:SW:S:-:-	1.5769140279	4.7911150554
HFS-04:4/4/2006:SW:S:-:-	1.7132714950	6.1613180043
HFS-04:4/8/2006:SW:S:-:-	1.6237631640	5.8401397293

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-04:5/11/2006:SW:S:-:EVENTB	1.6523831179	4.2465910379
HFS-04:5/25/2005:SW:S:-:1	1.5796054835	4.8074329709
HFS-04:5/25/2005:SW:S:-:14	1.5428687955	4.6087816501
HFS-04:5/25/2005:SW:S:-:7	1.5960202980	4.6974142414
HFS-04:5/31/2006:SW:S:-:-	1.5422598207	4.3106420338
HFS-04:5/31/2006:SW:S:-:PEAK	1.5631703583	4.3022649198
HFS-04:5/6/2006:SW:S:-:-	1.5611978850	5.1430475680
HFS-04:5/9/2006:SW:S:-:EVENTA	1.5536244439	4.9690523656
HFS-04:6/15/2006:SW:S:-:BF1	1.6679145833	7.0249588568
HFS-04:6/22/2005:SW:S:-:A	1.7299210364	6.0451069558
HFS-04:6/22/2005:SW:S:-:B	1.5612221847	5.2987178592
HFS-04:7/13/2005:SW:S:-:BF1	1.6906856886	6.2546574969
HFS-04:7/27/2005:SW:S:-:-	1.4824832316	4.6803488984
HFS-04:8/1/2006:SW:S:-:BF2	1.7648148212	7.6169367661
HFS-04:8/20/2005:SW:S:-:A	1.5519810795	5.6864181278
HFS-04:8/20/2005:SW:S:-:B	1.6106163038	5.8377554487
HFS-04:8/27/2005:SW:S:-:BF2	1.7034251577	6.8308590302
HFS-04:9/28/2005:SW:S:-:-	1.6934113148	7.2890708901
HFS-05:3/22/2006:SW:S:-:-	2.2177295516	4.4695680795
HFS-05:3/22/2006:SW:S:-:PEAK	1.4320257293	4.8427370588
HFS-05:4/26/2006:SW:S:-:-	1.4576405494	4.1828231428
HFS-05:4/26/2006:SW:S:-:PEAK	1.4505168803	3.8818363971
HFS-05:4/29/2006:SW:S:-:PEAK	1.4025299517	4.1533207761
HFS-05:4/3/2006:SW:S:-:-	1.4180236142	4.3680647104
HFS-05:4/30/2006:SW:S:-:-	1.5129514753	4.1930336496
HFS-05:5/10/2006:SW:S:-:EVENTA	1.9543268266	6.2327961046
HFS-05:5/11/2006:SW:S:-:EVENTB	1.6102554410	4.0026939731
HFS-05:5/31/2006:SW:S:-:-	1.3941130663	4.1155146166
HFS-05:5/6/2006:SW:S:-:-	1.5263280989	4.2162864209
HFS-05:6/15/2006:SW:S:-:BF1	1.2698065225	4.3901885967
HFS-05:6/27/2005:SW:S:-:A	1.4127233052	3.8270667820
HFS-05:6/27/2005:SW:S:-:B	1.5370088483	3.7042563561
HFS-05:6/7/2005:SW:S:-:A	1.5181727976	4.1273117643
HFS-05:6/7/2005:SW:S:-:B	1.7516272030	3.6160307302
HFS-05:6/7/2006:SW:S:-:-	1.3351031336	4.1528961708
HFS-05:7/12/2005:SW:S:-:BF1	1.3517998946	4.0285537502
HFS-05:7/7/2005:SW:S:-:-	1.3607729080	4.0152166349
HFS-05:8/1/2006:SW:S:56:BF2	1.3911795413	3.8926447187
HFS-05:8/29/2005:SW:S:-:BF2	1.2436923686	4.3444649430
HFS-05:9/13/2005:SW:S:-:A	1.4077623279	3.5030224684
HFS-05:9/15/2005:SW:S:-:B	1.3776490729	3.9205220883
HFS-05:9/28/2005:SW:S:-:-	1.2997874315	3.6118752797
HFS-08:6/15/2005:SW:S:-:A	1.4879581475	3.6455951838
HFS-08:6/15/2005:SW:S:-:B	1.4437547434	3.3356119034
HFS-08:7/12/2005:SW:S:-:-	1.4170108637	3.2490046007
HFS-08:7/13/2005:SW:S:-:BF1	1.3515417748	3.3500626455
HFS-08:8/28/2005:SW:S:-:BF2	1.2574581397	3.5743880110
HFS-14:3/10/2006:SW:S:-:-	1.3964472981	3.7199055350
HFS-14:3/10/2006:SW:S:-:PEAK	1.6036982808	4.0134250477
HFS-14:4/25/2006:SW:S:-:-	1.4847393708	3.8641406911

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-14:4/25/2006:SW:S:-:PEAK	1.6079019998	3.8553521697
HFS-14:4/7/2006:SW:S:-:-	1.3430419633	3.7281763890
HFS-14:4/7/2006:SW:S:-:PEAK	1.3601402608	3.8536445155
HFS-14:5/10/2006:SW:S:-:-	1.4234763291	3.8212089011
HFS-14:5/11/2006:SW:S:-:PEAK	1.6446447667	4.1570079551
HFS-14:5/31/2006:SW:S:-:-	1.8405647786	4.3625485316
HFS-14:6/15/2005:SW:S:-:A	1.3694239564	3.4206232614
HFS-14:6/15/2005:SW:S:-:B	1.3020895831	3.3818423647
HFS-14:6/15/2006:SW:S:-:BF1	1.1818754636	3.5425163162
HFS-14:6/5/2006:SW:S:-:-	1.3858003647	3.9222152169
HFS-14:6/9/2005:SW:S:-:-	1.2901941108	3.4257222824
HFS-14:7/12/2005:SW:S:-:BF1	1.3616815638	3.2736216087
HFS-14:7/23/2005:SW:S:-:-	1.2310938454	3.2966078939
HFS-14:8/1/2006:SW:S:-:BF2	1.2572549054	3.4821004004
HFS-14:8/27/2005:SW:S:-:BF2	1.2288536135	3.5283839235
HFS-16:3/10/2006:SW:S:-:-	1.5273309318	3.6445465527
HFS-16:4/25/2006:SW:S:-:-	1.4936446225	3.4308003246
HFS-16:5/1/2006:SW:S:-:PEAK	1.3134058758	3.8249566721
HFS-16:5/2/2006:SW:S:-:-	1.3008076368	3.8722290344
HFS-16:5/31/2006:SW:S:-:-	1.4046815062	3.4487318100
HFS-16:5/6/2006:SW:S:-:A	1.3181566054	3.9136746480
HFS-16:5/7/2006:SW:S:-:B	1.4002381586	4.4813123357
HFS-16:6/15/2005:SW:S:-:-	1.5007374150	3.7453106111
HFS-16:6/15/2006:SW:S:-:BF1	1.3455762674	3.7688587297
HFS-16:6/27/2005:SW:S:-:A	1.4310342060	3.7049862589
HFS-16:7/11/2005:SW:S:-:BF1	1.8174216798	3.7309099056
HFS-16:7/13/2005:SW:S:-:-	1.3691011583	3.8564536047
HFS-16:8/14/2005:SW:S:-:-	1.5186468550	3.7711223294
HFS-16:8/27/2005:SW:S:-:BF2	1.3564378635	4.2749764045
HFS-16:9/15/2005:SW:S:-:-	1.4622660450	3.8259137915
HFS-20:3/10/2006:SW:S:-:-	1.3294432254	3.8662752400
HFS-20:4/26/2006:SW:S:-:-	1.3090851934	3.7924872520
HFS-20:4/3/2006:SW:S:-:-	1.3029038024	3.9198115606
HFS-20:4/3/2006:SW:S:-:PEAK	1.3039006006	3.8930443048
HFS-20:4/30/2006:SW:S:-:-	1.3109480235	4.1136454171
HFS-20:4/7/2006:SW:S:-:-	1.1992472148	4.1136901571
HFS-20:5/10/2006:SW:S:-:EVENTB	1.6111287409	3.3904302434
HFS-20:5/31/2006:SW:S:-:EVENTA	1.3586301041	3.8132461695
HFS-20:5/31/2006:SW:S:-:EVENTB	1.3686562474	3.7244443515
HFS-20:5/4/2006:SW:S:-:LEADINGEDGE	1.3471085901	4.0936229696
HFS-20:5/6/2006:SW:S:-:PLATEAU	1.3151443018	4.0407525927
HFS-20:5/9/2006:SW:S:-:EVENTA	1.6014585952	3.3701251847
HFS-20:6/15/2005:SW:S:-:A	1.3840496833	3.6544778068
HFS-20:6/15/2005:SW:S:-:B	1.5475382535	3.6350921418
HFS-20:6/15/2006:SW:S:-:BF1	1.1941895907	3.9103049919
HFS-20:7/10/2005:SW:S:-:-	1.2094224551	4.1100130772
HFS-20:7/13/2005:SW:S:-:BF1	1.3290078291	4.1071933940
HFS-20:7/26/2005:SW:S:-:-	1.5578477616	3.8356042182
HFS-20:7/7/2005:SW:S:-:A	1.3198684135	4.0609285314
HFS-20:7/7/2005:SW:S:-:B	1.3467999829	4.3134574332

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-20:8/1/2006:SW:S:-:BF2	1.4635936370	3.8607187492
HFS-20:8/14/2005:SW:S:-:-	1.1920633657	4.2677947760
HFS-20:8/27/2005:SW:S:-:BF2	1.2626557429	4.4167147044
HFS-20:9/16/2005:SW:S:-:-	1.4881550360	3.5101013146
HFS-21:3/21/2006:SW:S:-:-	1.4046753079	3.4112190516
HFS-21:3/9/2006:SW:S:-:-	1.4623037062	3.4208834975
HFS-21:4/26/2006:SW:S:-:-	1.4950326783	3.2915128407
HFS-21:4/26/2006:SW:S:-:PEAK	1.4465379294	3.1304432638
HFS-21:4/29/2006:SW:S:-:PEAK	1.4995208751	3.3007951203
HFS-21:4/3/2006:SW:S:-:-	1.4483626012	3.3247606009
HFS-21:4/30/2006:SW:S:-:-	1.4742108235	3.2846064632
HFS-21:4/6/2006:SW:S:-:A	1.4527998735	4.0354892653
HFS-21:4/7/2006:SW:S:-:B	1.5308768727	3.4487527492
HFS-21:5/10/2006:SW:S:-:EVENTB	1.3603582539	3.8294218129
HFS-21:5/31/2006:SW:S:-:-	1.4667864514	3.3153728776
HFS-21:5/4/2006:SW:S:-:PEAK	1.5661032288	3.6942794956
HFS-21:5/5/2006:SW:S:-:-	1.5259651239	3.1690231937
HFS-21:5/9/2006:SW:S:-:EVENTA	1.3159738362	3.8940525775
HFS-21:6/15/2006:SW:S:-:BF1	1.4806258043	3.5414501595
HFS-21:6/7/2005:SW:S:-:-	1.5172926371	3.2912401175
HFS-21:7/10/2005:SW:S:-:-	1.4939670987	3.5614819709
HFS-21:7/13/2005:SW:S:-:BF1	1.8318387424	4.1436310877
HFS-21:7/7/2005:SW:S:-:-	1.5002780019	3.4143547915
HFS-21:8/14/2005:SW:S:-:-	1.6128629441	3.8478197276
HFS-21:8/20/2005:SW:S:-:-	1.3642109807	3.7088615145
HFS-21:9/16/2005:SW:S:-:-	1.5866524532	3.9401775282
HFS-21:9/28/2005:SW:S:-:-	1.5713720514	3.6764004987
HFS-22:3/22/2006:SW:S:-:-	1.6210168217	4.8385850501
HFS-22:3/22/2006:SW:S:-:PEAK	1.6813117049	5.0619170404
HFS-22:4/27/2006:SW:S:-:-	1.8117528449	5.2359512290
HFS-22:4/27/2006:SW:S:-:PEAK	1.8485254608	5.4354187579
HFS-22:4/30/2006:SW:S:-:-	1.5841753456	3.6894033799
HFS-22:4/4/2006:SW:S:-:-	1.5910787556	4.8197236338
HFS-22:4/4/2006:SW:S:-:PEAK	1.6226334148	4.9753667809
HFS-22:5/10/2006:SW:S:-:EVENTA	1.9975495498	5.1436172032
HFS-22:5/11/2006:SW:S:-:EVENTB	1.5814300541	3.5699574840
HFS-22:5/31/2006:SW:S:-:EVENTB	1.4920579723	3.8821848908
HFS-22:5/6/2006:SW:S:-:-	1.5694384988	3.7079634469
HFS-22:6/15/2005:SW:S:-:A	1.6445375795	5.0170734261
HFS-22:6/15/2005:SW:S:-:B	1.6559916797	4.8836970220
HFS-22:6/15/2006:SW:S:-:BF1	1.5089488956	5.0237771165
HFS-22:6/7/2005:SW:S:-:-	1.6379439857	5.1052030260
HFS-22:7/12/2005:SW:S:-:BF1	1.5680496634	4.9225836088
HFS-22:8/1/2006:SW:S:1:BF2	1.7187944091	5.6284339413
HFS-22:8/28/2005:SW:S:-:BF2	1.5695327553	5.5861181548
HFS-22:9/15/2005:SW:S:-:-	1.2424179717	3.9617321673
HFS-23:3/22/2006:SW:S:-:-	1.4752815840	4.0464655675
HFS-23:4/27/2006:SW:S:-:-	1.5695809209	4.1223543811
HFS-23:4/27/2006:SW:S:-:PEAK	1.5656955141	3.8873472617
HFS-23:4/30/2006:SW:S:-:-	1.4751440077	3.8938825433

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-23:4/4/2006:SW:S:-:-	1.4615499889	4.0283008808
HFS-23:4/8/2006:SW:S:-:-	1.4701025782	4.1470567106
HFS-23:5/10/2006:SW:S:-:PEAK	1.5221467408	3.4954990666
HFS-23:5/11/2006:SW:S:-:-	1.4671700313	3.4727709609
HFS-23:5/31/2006:SW:S:-:-	1.5563314280	3.7760427408
HFS-23:5/4/2006:SW:S:-:G	1.5685544709	3.2966277066
HFS-23:6/15/2005:SW:S:-:-	1.5500439268	3.8936250010
HFS-23:6/15/2006:SW:S:-:BF1	1.5875339257	4.4358461812
HFS-23:6/27/2005:SW:S:-:-	1.5175876283	4.2141213304
HFS-23:6/7/2005:SW:S:-:-	1.5532412254	4.1229397903
HFS-23:6/7/2006:SW:S:-:-	1.4276593208	4.0417177560
HFS-23:7/12/2005:SW:S:-:BF1	1.7024663882	3.8825989762
HFS-23:7/16/2005:SW:S:-:-	1.5011937751	3.9247174626
HFS-23:7/23/2005:SW:S:-:-	1.5567613556	3.8023059341
HFS-23:8/1/2006:SW:S:56:BF2	1.5043715072	4.1697450097
HFS-23:8/14/2005:SW:S:-:A	1.5605293026	4.5382627199
HFS-23:8/14/2005:SW:S:-:B	1.5773309164	4.5547670985
HFS-23:8/28/2005:SW:S:-:BF2	1.4932183088	4.6639783704
HFS-23:9/16/2005:SW:S:-:-	1.6826362847	3.9504751706
HFS-23:9/25/2005:SW:S:-:-	1.8051470082	3.9824481473
HFS-26:7/13/2005:SW:S:-:BF1	1.3363683756	3.5008918032
HFS-26:7/7/2005:SW:S:-:-	1.3245373887	3.4907980890
HFS-26:8/27/2005:SW:S:-:BF2	1.2263305494	3.7997629997
HFS-28A:4/25/2006:SW:S:-:-	1.2261277508	3.3379951438
HFS-28A:4/26/2006:SW:S:-:TAIL	1.2832180888	3.3136781321
HFS-28A:4/29/2006:SW:S:-:RISINGLIMB	1.2688142385	3.3404852720
HFS-28A:4/30/2006:SW:S:-:-	1.2697066829	3.3956807730
HFS-28A:5/10/2006:SW:S:-:-	1.3478006903	3.2925342541
HFS-28A:5/4/2006:SW:S:-:LEADINGEDGE	1.2958982881	3.3617816510
HFS-28A:5/5/2006:SW:S:-:-	1.2702497475	3.3405244935
HFS-28A:6/15/2006:SW:S:-:BF1	1.1985009841	3.3339267619
HFS-28A:6/7/2006:SW:S:-:-	1.2564057640	3.0247613619
HFS-28A:8/1/2006:SW:S:-:BF2	1.2488777394	3.3940878448
HFS-28A:8/28/2005:SW:S:-:BF2	1.1998353268	3.6395292148
HFS-29:3/10/2006:SW:S:-:-	1.3544725515	3.4407299958
HFS-29:4/24/2006:SW:S:-:-	1.3872731454	3.5173809006
HFS-29:4/29/2006:SW:S:-:-	1.3363992218	3.6549366899
HFS-29:4/29/2006:SW:S:-:PEAK	1.4268034938	3.4607376720
HFS-29:4/7/2006:SW:S:-:-	1.3511503156	3.5269150141
HFS-29:4/7/2006:SW:S:-:PEAK	1.3047685366	3.4437483081
HFS-29:5/10/2006:SW:S:-:EVENTA	1.4190801384	3.7991069497
HFS-29:5/10/2006:SW:S:-:EVENTB	1.4348814087	3.6892910743
HFS-29:5/5/2006:SW:S:-:-	1.4565995989	4.1680300941
HFS-29:6/15/2006:SW:S:-:BF1	1.3143633745	3.6932205659
HFS-29:8/1/2006:SW:S:-:BF2	1.3411996069	3.5030194242
HFS-30:4/24/2006:SW:S:-:-	1.3000413417	3.3701940305
HFS-30:4/26/2006:SW:S:-:TAIL	1.2769687838	3.4360580345
HFS-30:4/29/2006:SW:S:-:PEAK	1.2846080045	3.4304887596
HFS-30:4/30/2006:SW:S:-:-	1.2889505956	3.4056169407
HFS-30:5/11/2006:SW:S:-:-	1.2924425628	3.0375469601

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-30:5/3/2007:SW:S:0:-	1.2273361471	3.1717963779
HFS-30:5/31/2006:SW:S:-:-	1.2951043171	3.2140157362
HFS-30:5/4/2006:SW:S:-:-	1.3769679579	3.0355864282
HFS-30:6/15/2006:SW:S:-:BF1	1.1919231735	3.4129818830
HFS-30:8/1/2006:SW:S:-:BF2	1.2220531165	3.4421369288
LincolnWWTP:4/2/2008:SW:S:-:-	1.4340495414	3.7321837074
LK-01:7/12/2005:SW:S:1:-	1.4286330751	3.2193905891
LK-01:7/12/2005:SW:S:14:-	1.4282510148	3.4432763967
LK-01:7/12/2005:SW:S:18:-	1.4181527554	3.4587571154
LK-01:7/12/2005:SW:S:25:-	1.4576849464	3.3893793981
LK-01:8/24/2005:SW:S:1:-	1.3604275457	3.3183082623
LK-01:8/24/2005:SW:S:14:-	1.4132102395	3.4490349545
LK-01:9/26/2006:SW:S:0:-	1.3148184288	3.5918798800
LK-01:9/26/2006:SW:S:16:-	1.3544417415	3.5609371447
LK-01:9/26/2006:SW:S:20:-	1.4390385590	3.5256838468
LK-02:7/12/2005:SW:S:1:-	1.4103531989	3.2755475357
LK-02:7/12/2005:SW:S:10:-	1.4742406477	3.3995324868
LK-02:7/12/2005:SW:S:22:-	1.5839841761	3.3740194639
LK-02:8/23/2005:SW:S:1:-	1.4285556540	3.2972145825
LK-02:8/23/2005:SW:S:10:-	1.4315290534	3.3508471484
LK-02:8/23/2005:SW:S:21:-	1.6982184218	3.3901343263
LK-02:9/26/2006:SW:S:0:-	1.3121602373	3.6372371042
LK-02:9/26/2006:SW:S:16:-	1.3804800982	3.5434614843
LK-02:9/26/2006:SW:S:19:-	1.7295670578	3.3654889630
LK-03:7/12/2005:SW:S:1:-	1.4748569619	3.3412232294
LK-03:7/12/2005:SW:S:3:-	1.4715279525	3.3049116907
LK-03:7/12/2005:SW:S:6:-	1.4563299872	3.3724475328
LK-03:8/23/2005:SW:S:1:-	1.3923983105	3.4217026581
LK-03:8/23/2005:SW:S:3:-	1.4160119231	3.4428948292
LK-03:8/23/2005:SW:S:4:-	1.4304349143	3.4190206454
LK-03:9/26/2006:SW:S:0:-	1.3262227180	3.8058229078
LK-04:8/23/2005:SW:S:1:-	1.4706112001	3.8392974362
LK-04:8/23/2005:SW:S:2:-	1.4932841511	3.8321521744
LK-04:8/23/2005:SW:S:3:-	1.6467507401	3.7633709573
LK-04:9/26/2006:SW:S:0:-	1.4322300551	3.7202993007
RBS-0000019:8/14/2006:SW:S:0:-	2.0748179873	3.0967299457
RBS-0000028:8/14/2006:SW:S:0:-	1.3251399583	3.6802678344
RBS-0000031:8/16/2006:SW:S:0:-	1.4470772204	5.8888790653
RBS-0000043:8/11/2006:SW:S:0:-	1.3631347084	4.4421413318
RBS-0000057:8/11/2006:SW:S:0:-	1.3844170650	4.1370643338
RBS-0000075:8/10/2006:SW:S:0:-	1.5334567012	6.9994862074
RBS-0000086:8/10/2006:SW:S:0:-	1.3664415689	4.0228728106
RBS-0000109:8/9/2006:SW:S:0:-	1.5748554014	5.0532138858
RBS-0000120:8/9/2006:SW:S:0:-	1.3780972592	5.5074857411
RBS-0000121:8/10/2006:SW:S:0:-	1.6414809101	7.8983032640
RBS-0000137:8/11/2006:SW:S:0:-	1.3592308148	4.1429157138
RBS-0000148:8/10/2006:SW:S:0:-	1.2039568830	3.8145936429
RBS-0000150:8/10/2006:SW:S:0:-	1.2318979737	3.7599789381
RBS-0000225:8/11/2006:SW:S:0:-	1.6475201353	4.8522541444
RBS-0000246:8/9/2006:SW:S:0:-	1.5850663362	4.8151650043

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
RBS-0000286:8/9/2006:SW:S:0:-	1.8913900219	3.7715141593
RBS-0000312:8/9/2006:SW:S:0:-	1.2374848775	3.6051911179
RBS-0000336:8/16/2006:SW:S:0:-	1.4101674851	3.6229161649
RBS-0000340:8/15/2006:SW:S:0:-	1.3160397667	4.0525708524
RBS-0000344:8/16/2006:SW:S:0:-	1.2135578460	3.9027877990
RBS-0000345:8/11/2006:SW:S:0:-	1.6777824170	8.0879886638
RBS-0000349:8/11/2006:SW:S:0:-	1.5966128844	6.4681754549
RBS-0000350:8/16/2006:SW:S:0:-	1.4339525565	5.8764149768
RBS-0000395:8/10/2006:SW:S:0:-	1.2431950768	3.8717243074
RBS-0000548:8/15/2006:SW:S:0:-	1.2513401225	3.5750128997
RBS-0000574:8/10/2006:SW:S:0:-	1.4882282937	4.0293605941
RBS-0000577:8/10/2006:SW:S:0:-	1.4424297706	4.1783520334
RBS-0000578:8/10/2006:SW:S:0:-	1.3581186422	4.0013116585
RBS-0000625:8/10/2006:SW:S:0:-	1.3229373421	3.8085145848
RBS-0000630:8/11/2006:SW:S:0:-	1.6215165533	3.5363092996
RBS-0000662:8/15/2006:SW:S:0:-	1.2412426727	3.6767831785
RBS-0000704:8/8/2006:SW:S:0:-	1.2327183154	3.8271762887
RBS-0000706:8/9/2006:SW:S:0:-	1.2428652175	3.5298625978
RBS-0000770:8/11/2006:SW:S:0:-	1.2866354869	3.3826102196
RBS-0000901:8/9/2006:SW:S:0:-	1.4742313283	5.7705945208
RBS-0010003:8/14/2006:SW:S:0:-	1.2327097928	3.4078023599
RBS-0010004:8/14/2006:SW:S:0:-	1.3026607712	3.2331927145
RBS-7198000:8/9/2006:SW:S:0:-	1.3764925577	3.7500831365
RogersWWTP:4/1/2008:SW:S:-:-	1.4719381082	5.0725117220
RS-1:6/13/2006:SW:S:0:-	1.2819939384	3.5709975400
RS-1:7/11/2005:SW:S:0:-	1.3592721522	3.4958632654
RS-1:7/12/2006:SW:S:0:-	1.2237944761	3.4616031276
RS-1:8/24/2005:SW:S:0:-	1.2991798191	3.5157480451
RS-1:8/8/2006:SW:S:0:-	1.2755893718	3.5352109619
RS-1:9/25/2006:SW:S:0:-	1.2716714425	3.6710990116
RS-10004:5/21/2007:SW:S:0:-	1.2449958730	3.1202318267
RS-109:5/2/2007:SW:S:0:-	1.3348387157	4.1474929030
RS-122:5/3/2007:SW:S:0:-	1.3529148275	4.8198087091
RS-133:5/21/2007:SW:S:0:-	1.3545894908	3.6035412835
RS-150:5/3/2007:SW:S:0:-	1.2165880961	3.6325584699
RS-160:5/3/2007:SW:S:0:-	1.2597624218	3.6087469539
RS-2:6/13/2006:SW:S:0:-	1.2480185853	3.4622912374
RS-2:7/11/2005:SW:S:0:-	1.3736662323	3.3560475900
RS-2:7/12/2006:SW:S:0:-	1.2871077374	3.3643801023
RS-2:8/10/2006:SW:S:0:-	1.2928123218	3.4130979912
RS-2:8/24/2005:SW:S:0:-	1.3343907087	3.3997627875
RS-2:9/25/2006:SW:S:0:-	1.3224423295	3.6694023752
RS-233:5/21/2007:SW:S:0:-	1.4025211719	4.0285332786
RS-297:5/21/2007:SW:S:0:-	1.3016844334	4.6893002992
RS-3:6/13/2006:SW:S:0:-	1.3456268636	4.1529832842
RS-3:7/11/2005:SW:S:0:-	1.4255464433	3.8927636351
RS-3:7/12/2006:SW:S:0:-	1.3177557534	4.0126856051
RS-3:8/10/2006:SW:S:0:-	1.3861774433	4.2803674363
RS-3:8/24/2005:SW:S:0:-	1.4093107043	4.0920059745
RS-3:9/25/2006:SW:S:0:-	1.5752410411	3.8909233143

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
RS-312:5/2/2007:SW:S:0:-	1.2260656453	3.4344499313
RS-336:5/10/2007:SW:S:0:-	1.3969586373	3.7749848475
RS-386:5/2/2007:SW:S:0:-	1.3380075734	4.0217141064
RS-399:5/2/2007:SW:S:0:-	1.4989781783	3.7564506694
RS-402:5/21/2007:SW:S:0:-	1.2988213989	3.0500477213
RS-43:5/21/2007:SW:S:0:-	1.3262869865	4.1044482448
RS-433A:5/2/2007:SW:S:0:-	1.2786501205	3.9639694759
RS-578:5/2/2007:SW:S:0:-	1.3022140797	3.8250842056
RS-667:5/1/2007:SW:S:0:-	1.1853333043	3.5150162348
RS-682:5/2/2007:SW:S:0:-	1.2704106832	3.7612554733
RS-696:5/21/2007:SW:S:0:-	1.2761904957	3.4265929021
RS-704:5/2/2007:SW:S:0:-	1.2049289530	3.5119274434
RS-72:5/21/2007:SW:S:0:-	1.3527576177	5.0012755408
RS-728:5/2/2007:SW:S:0:-	1.3597720855	4.3908185761
RS-75:5/8/2007:SW:S:0:-	1.3771127205	5.2543623550
RS-757:5/1/2007:SW:S:0:-	1.3035358203	4.0826083397
RS-770:5/1/2007:SW:S:0:-	1.2570000591	3.3042656299
RS-793:5/3/2007:SW:S:0:-	1.3824249692	4.4569071974
RS-795:5/1/2007:SW:S:0:-	1.3318605296	3.6187100729
RS-902:5/1/2007:SW:S:0:-	1.3349616612	4.0331777903
RS-97:5/21/2007:SW:S:0:-	1.2932831106	4.2077943608
RS-BALLARD:5/5/2006:SW:S:0:-	1.4830087377	3.3464430509
RS-FLYCREEK:5/5/2006:SW:S:0:-	1.4147102484	3.4948643608
RS-ILLINOISRIVER:4/30/2006:SW:S:0:-	1.6843318744	3.5956237357
RS-LOC:4/7/2006:SW:S:0:-	1.6099704644	3.8782400142
RS-OSAGE:5/5/2006:SW:S:0:-	1.3557362954	4.1927509547
RS-PRICECREEK:4/29/2006:SW:S:0:-	1.5272085960	3.2896653457
RS-TYNER:5/5/2006:SW:S:0:-	1.2713160066	3.4389269998
SiloamWWTP:3/31/2008:SW:S:-:-	1.9048742286	6.3564874012
SN-SBC2:4/25/2007:SW:S:0:-	3.4206332775	5.0931703900
SpringdaleWWTP:3/31/2008:SW:S:-:-	1.5783295213	5.9463631151
SSA01:5/14/2005:SW:S:-:-	2.1592172130	4.8248505168
USGS-07195500:10/15/2007:SW:S:-:-	1.3302879661	4.2936201115
USGS-07195500:10/2/2006:SW:S:-:-	1.3693893265	4.2651938366
USGS-07195500:10/4/2007:SW:S:-:-	1.4432706566	3.6788487618
USGS-07195500:12/12/2007:SW:S:-:-	1.3277515426	4.0972479981
USGS-07195500:12/6/2007:SW:S:-:-	1.2832603455	4.5468006208
USGS-07195500:12/7/2006:SW:S:-:-	1.3242302125	4.0467820222
USGS-07195500:2/7/2007:SW:S:-:-	1.2996766185	4.1500373349
USGS-07195500:3/10/2006:SW:S:-:-	1.3672324127	4.8186938312
USGS-07195500:3/9/2006:SW:S:-:-	1.3740795658	4.6642885169
USGS-07195500:4/12/2006:SW:S:-:-	1.3392788561	4.4148580788
USGS-07195500:4/26/2006:SW:S:-:-	1.3897610270	4.7843288510
USGS-07195500:4/26/2007:SW:S:-:-	1.3545519644	3.9563557215
USGS-07195500:4/3/2006:SW:S:-:-	1.3426260772	4.6012609710
USGS-07195500:4/30/2006:SW:S:-:-	1.5480019344	3.7115964129
USGS-07195500:4/9/2007:SW:S:-:-	1.3001506250	4.3431707287
USGS-07195500:5/23/2005:SW:S:-:-	1.3463166786	4.0967911108
USGS-07195500:5/5/2006:SW:S:-:-	1.9792352864	3.2734188589
USGS-07195500:6/12/2007:SW:S:-:-	1.4064401689	3.8290709179

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
USGS-07195500:6/28/2007:SW:S:-:-	1.3365080293	4.1779312245
USGS-07195500:6/4/2007:SW:S:-:-	1.3624425418	3.8974993810
USGS-07195500:7/12/2005:SW:S:-:-	1.3241935188	4.3199113109
USGS-07195500:8/23/2005:SW:S:-:-	1.3715948797	4.2718336915
USGS-07195500:8/6/2007:SW:S:-:-	1.4136419620	4.3064318360
USGS-07195500:9/15/2005:SW:S:-:-	1.3397182919	4.5310108251
USGS-07196000:1/24/2007:SW:S:-:-	1.2996231643	3.7707601174
USGS-07196000:1/9/2008:SW:S:-:-	1.3661013136	3.6253801394
USGS-07196000:10/1/2007:SW:S:-:-	1.3323335155	4.3721585165
USGS-07196000:10/3/2007:SW:S:-:-	1.4207725168	3.8452283169
USGS-07196000:10/5/2006:SW:S:-:-	1.3509287625	4.4781228876
USGS-07196000:12/12/2007:SW:S:-:-	1.3348394544	3.9708269147
USGS-07196000:12/3/2007:SW:S:-:-	1.3681501094	4.4758850291
USGS-07196000:12/6/2006:SW:S:-:-	1.3391070147	4.1162080062
USGS-07196000:2/4/2008:SW:S:-:-	1.3497336502	4.1953218733
USGS-07196000:2/5/2007:SW:S:-:-	1.3064847341	4.0059905777
USGS-07196000:4/12/2006:SW:S:-:-	1.3285749005	4.6326447190
USGS-07196000:4/2/2007:SW:S:-:-	1.3278887008	4.2250480590
USGS-07196000:4/29/2006:SW:S:-:-	1.4002493412	4.5524119421
USGS-07196000:4/30/2006:SW:S:-:-	1.4252644858	4.5277410917
USGS-07196000:5/11/2006:SW:S:-:-	1.3294911948	4.1850565462
USGS-07196000:5/5/2006:SW:S:-:-	1.3903275178	4.3307323773
USGS-07196000:5/8/2007:SW:S:-:-	1.3224466394	3.8794720777
USGS-07196000:6/12/2007:SW:S:-:-	1.3617418749	3.8145482010
USGS-07196000:6/14/2006:SW:S:-:-	1.3335105364	4.4104822299
USGS-07196000:6/5/2007:SW:S:-:-	1.3272393463	4.1047546114
USGS-07196000:7/12/2005:SW:S:-:-	1.3436963139	4.1263227370
USGS-07196000:7/13/2006:SW:S:-:-	1.3629763144	4.4841907517
USGS-07196000:8/24/2005:SW:S:-:-	1.3332043605	4.2503662407
USGS-07196000:8/7/2007:SW:S:-:-	1.4199992135	4.2298714686
USGS-07196090:10/15/2007:SW:S:-:-	1.3030774981	4.1392773986
USGS-07196090:10/4/2007:SW:S:-:-	1.4858779452	3.5193962516
USGS-07196090:10/5/2006:SW:S:-:-	1.3272019620	4.2190397463
USGS-07196090:12/12/2007:SW:S:-:-	1.3064727208	4.1730161691
USGS-07196090:12/6/2007:SW:S:-:-	1.2724830682	4.4182083458
USGS-07196090:12/7/2006:SW:S:-:-	1.3125095174	3.9908729269
USGS-07196090:2/5/2008:SW:S:-:-	1.2980799771	4.2782585744
USGS-07196090:2/7/2007:SW:S:-:-	1.2866830195	4.0302967557
USGS-07196090:3/10/2006:SW:S:-:-	1.2957088057	4.5779387496
USGS-07196090:4/20/2006:SW:S:-:-	1.3191018579	4.4718411360
USGS-07196090:4/26/2006:SW:S:-:-	1.3480316806	4.4653388131
USGS-07196090:4/26/2007:SW:S:-:-	1.3017399357	4.1675352233
USGS-07196090:4/3/2006:SW:S:-:-	1.3078955183	4.5008445614
USGS-07196090:4/30/2006:SW:S:-:-	1.5349683379	4.0109999141
USGS-07196090:4/9/2007:SW:S:-:-	1.2861990238	4.1371131810
USGS-07196090:5/23/2005:SW:S:-:-	1.3434405747	4.0305589986
USGS-07196090:5/5/2006:SW:S:-:-	1.7704431234	3.7995480544
USGS-07196090:6/12/2007:SW:S:-:-	1.3891988369	3.6369411326
USGS-07196090:6/14/2006:SW:S:-:-	1.3151134661	4.2711980268
USGS-07196090:6/28/2007:SW:S:-:-	1.3090017109	3.8830708912

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
USGS-07196090:6/4/2007:SW:S:-:-	1.3083552381	3.9769172813
USGS-07196090:7/12/2005:SW:S:-:-	1.3099523808	4.0174981513
USGS-07196090:7/3/2007:SW:S:-:-	1.4285174763	3.8227750432
USGS-07196090:8/23/2005:SW:S:-:-	1.3189053503	4.1609954515
USGS-07196090:8/6/2007:SW:S:-:-	1.3937346857	4.0996423434
USGS-07196090:9/16/2005:SW:S:-:-	1.3137563652	4.4216463441
USGS-07196500:1/9/2008:SW:S:-:-	1.4332966442	3.5216745386
USGS-07196500:10/3/2006:SW:S:-:-	1.3105059702	4.0468102797
USGS-07196500:11/17/2006:SW:S:-:-	1.3975528970	4.2366057681
USGS-07196500:12/13/2007:SW:S:-:-	1.3630498068	4.1318589303
USGS-07196500:12/5/2006:SW:S:-:-	1.3344613811	3.8617907332
USGS-07196500:12/6/2007:SW:S:-:-	1.2705144174	4.2483004546
USGS-07196500:2/12/2007:SW:S:-:-	1.3154529975	3.9047808237
USGS-07196500:3/11/2006:SW:S:-:-	1.3133655694	4.2976305880
USGS-07196500:4/13/2006:SW:S:-:-	1.2993609861	4.2776458352
USGS-07196500:4/27/2006:SW:S:-:-	1.2917134136	4.3553328264
USGS-07196500:4/27/2007:SW:S:-:-	1.2968709771	4.0595634423
USGS-07196500:4/29/2006:SW:S:-:-	1.4018415549	4.3366634865
USGS-07196500:4/3/2007:SW:S:-:-	1.3047822359	3.9813260957
USGS-07196500:5/1/2006:SW:S:-:-	1.3643601585	4.2888515410
USGS-07196500:5/25/2005:SW:S:-:-	1.3202859195	4.0072069264
USGS-07196500:6/13/2006:SW:S:-:-	1.3088324690	4.0294816557
USGS-07196500:6/13/2007:SW:S:-:-	1.3345419190	3.6401240282
USGS-07196500:6/25/2007:SW:S:-:-	1.2998851912	3.8167812132
USGS-07196500:6/7/2007:SW:S:-:-	1.3175138895	3.8423257236
USGS-07196500:7/11/2005:SW:S:-:-	1.3204498590	3.9461398433
USGS-07196500:7/16/2007:SW:S:-:-	1.3698197544	3.7983337234
USGS-07196500:7/5/2007:SW:S:-:-	1.3372955303	3.7438712354
USGS-07196500:7/6/2007:SW:S:-:-	1.3802286113	3.5908267184
USGS-07196500:8/24/2005:SW:S:-:-	1.3293554493	4.1056302680
USGS-07196500:9/19/2005:SW:S:-:-	1.3077305693	4.2192009364
USGS-07196500:9/19/2006:SW:S:-:-	1.4751993872	3.8788530885
USGS-07197000:1/10/2008:SW:S:-:-	1.2243743024	3.5430785850
USGS-07197000:1/25/2007:SW:S:-:-	1.2643215391	3.4421021759
USGS-07197000:10/4/2006:SW:S:-:-	1.2561909925	3.4711748042
USGS-07197000:10/4/2007:SW:S:-:-	1.2664764454	3.4955643744
USGS-07197000:10/9/2007:SW:S:-:-	1.2381077384	3.5084806643
USGS-07197000:11/17/2006:SW:S:-:-	1.3019789276	3.5150797858
USGS-07197000:12/13/2007:SW:S:-:-	1.2242553502	3.5227847926
USGS-07197000:12/4/2007:SW:S:-:-	1.2877982642	3.5444247297
USGS-07197000:12/5/2006:SW:S:-:-	1.2665738358	3.5082955476
USGS-07197000:2/6/2007:SW:S:-:-	1.2514287941	3.4724647772
USGS-07197000:4/19/2006:SW:S:-:-	1.2411197332	3.4394950088
USGS-07197000:4/29/2006:SW:S:-:-	1.3091525919	3.4270674217
USGS-07197000:4/4/2007:SW:S:-:-	1.2490730554	3.4773053590
USGS-07197000:5/1/2006:SW:S:-:-	1.2512965846	3.5184036373
USGS-07197000:5/11/2006:SW:S:-:-	1.3096354198	3.3564623539
USGS-07197000:5/4/2006:SW:S:-:-	3.2419367687	2.3855502512
USGS-07197000:6/12/2007:SW:S:-:-	1.2732544230	3.3750811683
USGS-07197000:6/14/2006:SW:S:-:-	1.2476063097	3.4338223679

SW 3 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
USGS-07197000:6/6/2007:SW:S:-:-	1.2540548240	3.4329831124
USGS-07197000:7/11/2005:SW:S:-:-	1.2836007498	3.4206661506
USGS-07197000:7/3/2007:SW:S:-:-	1.3680647380	3.3727993889
USGS-07197000:7/6/2007:SW:S:-:-	1.6409256033	3.2879024755
USGS-07197000:8/23/2005:SW:S:-:-	1.2901216540	3.4291351028
USGS-07197360:1/25/2007:SW:S:-:-	1.2335615339	3.3654722129
USGS-07197360:10/4/2006:SW:S:-:-	1.2348560026	3.5423728712
USGS-07197360:10/4/2007:SW:S:-:-	1.2210658357	3.5920187148
USGS-07197360:10/9/2007:SW:S:-:-	1.2202288216	3.6490906707
USGS-07197360:12/4/2006:SW:S:-:-	1.2278242495	3.5284396686
USGS-07197360:12/4/2007:SW:S:-:-	1.2550625840	3.6298115775
USGS-07197360:2/6/2007:SW:S:-:-	1.2158385182	3.3856312213
USGS-07197360:4/19/2006:SW:S:-:-	1.2198265429	3.6399895651
USGS-07197360:4/25/2007:SW:S:-:-	1.2450108674	3.5017422998
USGS-07197360:4/29/2006:SW:S:-:-	1.2684320063	3.5373524475
USGS-07197360:5/11/2006:SW:S:-:-	1.2536566039	3.4605617159
USGS-07197360:5/4/2006:SW:S:-:-	2.6007708694	2.7089987054
USGS-07197360:6/13/2006:SW:S:-:-	1.2238924458	3.5086058313
USGS-07197360:6/21/2007:SW:S:-:-	1.2548972664	3.4939242337
USGS-07197360:6/25/2007:SW:S:-:-	1.2284590505	3.5355041549
USGS-07197360:6/6/2007:SW:S:-:-	1.2275976879	3.5011082461
USGS-07197360:7/11/2005:SW:S:-:-	1.2615850890	3.4925523419
USGS-07197360:8/23/2005:SW:S:-:-	1.2643225824	3.5066033875

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
BS-08:8/23/2005:SW:S:-:-	1.2320640246	4.3585969044
BS-117:9/14/2005:SW:S:-:-	1.3952379832	4.6219165265
BS-208:5/1/2007:SW:S:0:-	1.2537501098	4.2214250631
BS-208:9/1/2005:SW:S:-:-	1.2671231236	4.2087727383
BS-28:8/23/2005:SW:S:-:-	1.2542769803	4.5885077609
BS-35:5/2/2007:SW:S:0:-	1.2801628654	4.6566662466
BS-35:9/22/2005:SW:S:-:-	1.4044455906	4.6556688462
BS-62A:5/1/2007:SW:S:0:-	1.3159385994	4.7097747693
BS-68:5/2/2007:SW:S:0:-	1.2764688443	4.7530536349
BS-HF04:5/1/2007:SW:S:0:-	1.6510119481	6.4355800803
BS-HF22:5/2/2007:SW:S:0:-	1.5180756515	5.4982622759
BS-HF22:8/24/2005:SW:S:-:-	1.5719796125	5.7086280374
BS-REF1:8/30/2005:SW:S:-:-	1.1661012938	4.6015414594
BS-REF2:8/31/2005:SW:S:-:-	1.0000000000	5.3458093657
BS-REF3:9/1/2005:SW:S:-:-	1.1912031437	4.5612176660
EOF01:5/23/2005:SW:S:-:-	5.0309251130	2.8242664765
EOF02:5/23/2005:SW:S:-:-	6.9831020983	1.9975200653
EOF07:5/15/2005:SW:S:-:-	6.8816470900	4.0806181855
EOF07:5/23/2005:SW:S:-:-	1.9843332175	4.3744697344
EOF07:6/5/2005:SW:S:-:-	2.1511260555	4.8550702620
EOF07-222:4/13/2007:SW:S:-:-	2.8918440055	4.1023012334
EOF07-230:4/24/2007:SW:S:-:-	1.9923139934	4.6596186548
EOF07-232:4/24/2007:SW:S:-:-	2.5591666749	3.2488603448
EOF07-259:4/13/2007:SW:S:-:-	3.0250271529	3.1997701419
EOF07-LOR#1:4/24/2007:SW:S:-:-	2.5984155366	3.8938576467
EOF08:5/23/2005:SW:S:-:-	1.7626396673	4.6375318466
EOF09:6/5/2005:SW:S:-:-	2.1897026969	4.4237906500
EOF11:6/5/2005:SW:S:-:-	2.6292191072	4.2959693574
EOF14:6/2/2005:SW:S:-:-	6.1952745762	6.2007993699
EOF15:6/2/2005:SW:S:-:-	2.1121748537	3.4383471014
EOF16:6/5/2005:SW:S:-:-	2.5853955169	3.4479232004
EOF17:6/5/2005:SW:S:-:-	2.5333416563	3.4065818824
EOF18:6/5/2005:SW:S:-:-	1.7288832584	4.2836831044
EOF19:6/5/2005:SW:S:-:-	1.8045223417	3.8641604846
EOF20:6/5/2005:SW:S:-:-	4.3852803789	4.0134868767
EOF21:6/5/2005:SW:S:-:-	1.9850262986	5.2097229375
EOF22:6/5/2005:SW:S:-:-	2.2399792346	6.3934569424
EOF23:6/5/2005:SW:S:-:-	1.8262049117	3.4237765605
EOF24:6/5/2005:SW:S:-:-	2.5775175455	3.4013753509
EOF25:6/5/2005:SW:S:-:-	2.0214253557	3.6857071868
EOF26:6/5/2005:SW:S:-:-	2.1466379287	5.0140098190
EOF27:6/5/2005:SW:S:-:-	3.3886607398	3.3323149571
EOF28:6/5/2005:SW:S:-:-	2.2715974491	4.3931421183
EOF29:6/5/2005:SW:S:-:-	6.0772665112	1.0000000000
EOF30:6/5/2005:SW:S:-:-	2.7958376913	3.0820183087
EOF-CP-1A:3/31/2008:SW:S:-:-	1.7184875756	3.7166987378
EOF-CP-1B:3/31/2008:SW:S:-:-	2.1182647615	3.9642579021
EOF-EOF1:6/17/2006:SW:S:-:-	2.2810212365	3.5308406557
EOF-GF1:3/9/2006:SW:S:-:-	1.9658356247	3.8583454137
EOF-SPREAD002:4/25/2006:SW:S:-:-	2.2065495617	4.3812150546

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
EOF-SPREAD007:4/25/2006:SW:S:-:-	2.4547597435	3.2924569001
EOF-SPREAD007:5/4/2006:SW:S:-:-	2.1405022070	4.0391037673
EOF-SPREAD010:5/9/2006:SW:S:-:-	6.9039554139	6.1685630299
EOF-SPREAD017A:5/1/2006:SW:S:-:-	7.9944282779	5.4436338916
EOF-SPREAD023:4/25/2006:SW:S:-:-	8.6622846320	9.5518693374
EOF-SPREAD023:6/18/2006:SW:S:-:-	7.1967587143	9.2419054720
EOF-SPREAD025:5/4/2006:SW:S:-:-	1.6671685153	3.6685313606
EOF-SPREAD025:6/18/2006:SW:S:-:-	1.3568041771	4.8593341443
EOF-SPREAD026:4/25/2006:SW:S:-:-	2.6646110014	3.1440640631
EOF-SPREAD026:4/29/2006:SW:S:-:-	2.0411427356	3.3593134317
EOF-SPREAD029:4/25/2006:SW:S:-:-	3.1601987892	3.6033997201
EOF-SPREAD030:3/31/2006:SW:S:-:-	1.9291324880	5.1180023103
EOF-SPREAD031:4/7/2006:SW:S:-:-	1.6980078030	5.1296648903
EOF-SPREAD036:4/25/2006:SW:S:-:-	3.5140435975	5.7514001495
EOF-SPREAD044:6/18/2006:SW:S:-:-	1.4376578703	5.0667354357
EOF-SPREAD048:5/9/2006:SW:S:-:-	2.6811623163	4.2320426962
EOF-SPREAD052:4/25/2006:SW:S:-:-	1.9497531081	4.2554860820
EOF-SPREAD053B:5/4/2006:SW:S:-:-	2.0292786542	4.7600508384
EOF-SPREAD053E:4/29/2006:SW:S:-:-	8.4655596339	9.8080488720
EOF-SPREAD053G:5/4/2006:SW:S:-:-	2.3890896545	4.1658904874
EOF-SPREAD059:4/29/2006:SW:S:-:-	1.5820331901	4.3060753650
EOF-SPREAD060:4/29/2006:SW:S:-:-	7.4783082947	9.5408897950
EOF-SPREAD064:5/4/2006:SW:S:-:-	6.5245175876	4.7470208413
EOF-SPREAD065:5/4/2006:SW:S:-:-	1.7710447887	4.1380273016
EOF-SPREAD068:6/18/2006:SW:S:-:-	1.6713170394	4.4979808716
EOF-SPREAD071:5/10/2006:SW:S:-:-	1.8112671530	4.1282795142
EOF-SPREAD073E:6/22/2006:SW:S:-:-	1.8977328480	3.6626986475
EOF-ZPEOF001:4/25/2006:SW:S:-:-	3.4604191548	3.0546911982
EOF-ZPEOF030:4/25/2006:SW:S:-:-	1.8877669603	4.2250065959
GP-GW01:11/27/2006:GW:S:3:-	1.1190065180	7.2395447657
GP-GW06:6/27/2007:GW:S:14:-	1.3654042485	4.1459843570
GP-GW08:11/29/2006:GW:S:25:-	1.6886711814	4.1260387422
GP-GW09:11/30/2006:GW:S:11:-	1.4862502238	5.0925566911
GP-GW10:11/30/2006:GW:S:4:-	1.6654092855	6.8418940308
GP-GW14:6/27/2007:GW:S:13.6:-	1.3782679650	4.3256067989
GP-GW18A:6/26/2007:GW:S:16.6:-	1.3154740507	4.3400220291
GP-GW19:11/30/2006:GW:S:7:-	1.5079151838	3.8174936952
GP-GW20:11/30/2006:GW:S:6:-	1.6227161962	4.4001968248
GP-GW29:6/28/2007:GW:S:6:-	1.4875901134	4.0818639164
GP-GW31:6/28/2007:GW:S:16.5:-	1.3778430731	4.9432093309
GP-GW34:6/26/2007:GW:S:11:-	1.3281880512	4.6254377986
GP-GW36:6/26/2007:GW:S:12.7:-	2.1632994303	4.1301223713
GP-GW39:6/27/2007:GW:S:12.9:-	1.3288289807	4.5441771095
GP-GW40:6/27/2007:GW:S:14:-	1.3832290381	4.4318353613
GP-GW44:12/1/2006:GW:S:7:-	1.4026911519	4.6470466501
GP-GW48:12/1/2006:GW:S:11:-	1.4706898406	4.4842478814
GW-1:7/7/2006:GW:S:-:-	1.9074771735	4.4224925998
GW-10:7/18/2006:GW:S:-:-	1.3721669295	5.1180166954
GW-11:7/19/2006:GW:S:-:-	1.1920932094	4.9621295124
GW-12:7/20/2006:GW:S:-:-	1.2850503279	5.1894205677

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
GW-13:7/20/2006:GW:S:-:-	1.1487852635	4.4183255309
GW-14:7/20/2006:GW:S:-:-	1.2808274509	4.1485504973
GW-15:7/20/2006:GW:S:-:-	1.0332439886	6.8259106618
GW-16:7/20/2006:GW:S:-:-	1.1855858641	4.5579106548
GW-17:7/20/2006:GW:S:-:-	1.1420340663	4.8593245889
GW-18:7/20/2006:GW:S:-:-	1.1677820922	4.4757866172
GW-19:7/24/2006:GW:S:-:-	1.3219458689	4.3911067162
GW-2:7/7/2006:GW:S:-:-	1.4096602044	5.1659908763
GW-21:7/24/2006:GW:S:-:-	1.3406477700	5.2440259441
GW-23:7/24/2006:GW:S:-:-	1.3907674882	4.3381582577
GW-24:7/25/2006:GW:S:-:-	1.2961930080	4.3004093169
GW-25:7/25/2006:GW:S:-:-	1.4116490061	3.5781027039
GW-26:7/25/2006:GW:S:-:-	1.1884222824	4.2557088797
GW-27:7/25/2006:GW:S:-:-	1.1776714393	4.3001264139
GW-28:7/26/2006:GW:S:-:-	1.2837813753	4.8814636106
GW-29:7/26/2006:GW:S:-:-	1.1976924351	5.4934460494
GW-3:7/11/2006:GW:S:-:-	1.2486286212	6.5753515887
GW-30:7/26/2006:GW:S:-:-	2.0289919798	5.2323945006
GW-31:8/7/2006:GW:S:-:-	1.2202428323	4.5845444988
GW-32:8/9/2006:GW:S:-:-	1.1915172711	4.3909911350
GW-33:8/9/2006:GW:S:-:-	1.1352208344	4.6922488742
GW-34:8/10/2006:GW:S:-:-	1.2517409749	4.5798012657
GW-35:8/10/2006:GW:S:-:-	1.2663392026	7.0101109861
GW-36:8/10/2006:GW:S:-:-	1.1865431320	4.5853198804
GW-37:8/10/2006:GW:S:-:-	1.0880806163	5.2062677649
GW-38:8/10/2006:GW:S:-:-	1.3551202391	5.0453479855
GW-39:8/10/2006:GW:S:-:-	1.2265370602	4.7414240050
GW-40:8/15/2006:GW:S:-:-	2.5943415162	8.9416239225
GW-41:8/15/2006:GW:S:-:-	1.2895361837	4.1682318692
GW-42:8/17/2006:GW:S:-:-	1.1965419121	4.6134698997
GW-43:8/17/2006:GW:S:-:-	1.6172196531	4.4966498285
GW-5:7/13/2006:GW:S:-:-	1.4608103112	3.6312338391
GW-50:1/22/2007:GW:S:-:-	1.1879016029	5.1347572776
GW-51:1/22/2007:GW:S:-:-	1.1710380665	4.1501977742
GW-52:1/22/2007:GW:S:-:-	1.6295469991	6.1157638031
GW-53:1/22/2007:GW:S:-:-	1.1368839659	4.9356466258
GW-54:1/23/2007:GW:S:-:-	1.6519128589	6.2275940901
GW-55:1/23/2007:GW:S:-:-	1.1933369156	4.7306057420
GW-56:1/23/2007:GW:S:-:-	1.2572419009	3.9732580283
GW-57:1/23/2007:GW:S:-:-	2.0876825401	8.3582855045
GW-58:1/23/2007:GW:S:-:-	1.2043980286	4.4648043339
GW-59:7/30/2007:GW:S:-:-	1.1431028959	4.3972659360
GW-6:7/13/2006:GW:S:-:-	1.3819822311	4.0974303034
GW-60:7/10/2007:GW:S:-:-	1.5815780606	4.1356137832
GW-61:7/11/2007:GW:S:-:-	1.1464337412	5.2145290503
GW-62:7/11/2007:GW:S:-:-	1.2125046495	5.2289824128
GW-63:7/10/2007:GW:S:-:-	1.1958960510	5.2422764227
GW-64:6/28/2007:GW:S:-:-	1.5489198201	5.4268399858
GW-65:7/10/2007:GW:S:-:-	1.3845545202	5.1810887381
GW-66:7/10/2007:GW:S:-:-	1.4688152518	4.3676219956

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
GW-67:7/11/2007:GW:S:-:-	1.8257148517	8.0345658013
GW-68:7/10/2007:GW:S:-:-	1.6847519676	6.3726068068
GW-69:7/30/2007:GW:S:-:-	1.4466500949	5.1975642916
GW-7:7/13/2006:GW:S:-:-	1.1241461316	4.5573320111
GW-8:7/13/2006:GW:S:-:-	1.1723292299	4.9685009677
GW-9:7/18/2006:GW:S:-:-	1.4001473506	5.3998350404
HFS-02:4/29/2006:SW:S:-:INITIAL	1.3351323507	4.4772972094
HFS-02:5/1/2006:SW:S:-:-	1.4034895864	4.6021079424
HFS-02:5/10/2006:SW:S:-:-	1.3603722423	4.5548110544
HFS-02:5/11/2006:SW:S:-:PEAK	1.3891359904	4.4686402076
HFS-02:5/4/2006:SW:S:-:PEAK	1.4201136859	4.5507775692
HFS-02:5/6/2006:SW:S:-:-	1.3721829745	4.5638586577
HFS-02:6/15/2005:SW:S:-:-	1.3748538843	4.3543973908
HFS-02:6/15/2006:SW:S:-:BF1	1.2246920406	4.5139257717
HFS-02:6/27/2005:SW:S:-:-	1.3598516904	4.4131233846
HFS-02:6/8/2006:SW:S:-:-	1.3365066115	4.5001796271
HFS-02:7/11/2005:SW:S:-:-	1.3017767308	4.4171651845
HFS-02:7/11/2005:SW:S:-:BF1	1.3225020763	4.6879781461
HFS-02:8/1/2006:SW:S:-:BF2	1.2724145794	4.3996780408
HFS-02:8/27/2005:SW:S:-:BF2	1.2891683081	4.4483558679
HFS-02:9/16/2005:SW:S:-:-	1.2926284822	4.4088049121
HFS-04:3/10/2006:SW:S:-:-	1.8763901343	6.8138516498
HFS-04:3/10/2006:SW:S:-:PEAK	1.8409355321	6.6665191335
HFS-04:4/26/2006:SW:S:-:-	1.9116518757	6.8801331797
HFS-04:4/30/2006:SW:S:-:-	1.6476658686	5.5310596166
HFS-04:4/4/2006:SW:S:-:-	1.8713518070	6.8115686181
HFS-04:4/8/2006:SW:S:-:-	1.7535676100	6.5293495238
HFS-04:5/11/2006:SW:S:-:EVENTB	1.6939864405	4.9954612344
HFS-04:5/25/2005:SW:S:-:1	1.6496226438	5.5337321373
HFS-04:5/25/2005:SW:S:-:14	1.6025639878	5.3501710588
HFS-04:5/25/2005:SW:S:-:7	1.6624395928	5.4242946775
HFS-04:5/31/2006:SW:S:-:-	1.6211372929	5.0891575476
HFS-04:5/31/2006:SW:S:-:PEAK	1.6240547083	5.0723318308
HFS-04:5/6/2006:SW:S:-:-	1.6416914596	5.8616864704
HFS-04:5/9/2006:SW:S:-:EVENTA	1.6192792894	5.6898365750
HFS-04:6/15/2006:SW:S:-:BF1	1.8510568445	7.5866824209
HFS-04:6/22/2005:SW:S:-:A	1.8664374750	6.6894360570
HFS-04:6/22/2005:SW:S:-:B	1.6532430492	5.9994144495
HFS-04:7/13/2005:SW:S:-:BF1	1.8459458343	6.9149217355
HFS-04:7/27/2005:SW:S:-:-	1.5534643768	5.4579815225
HFS-04:8/1/2006:SW:S:-:BF2	1.9796522544	8.1472026261
HFS-04:8/20/2005:SW:S:-:A	1.6659302188	6.3687605090
HFS-04:8/20/2005:SW:S:-:B	1.7210207837	6.4940928503
HFS-04:8/27/2005:SW:S:-:BF2	1.8601122342	7.3911461235
HFS-04:9/28/2005:SW:S:-:-	1.8868003909	7.8128861981
HFS-05:3/22/2006:SW:S:-:-	2.1425838622	4.9659929142
HFS-05:3/22/2006:SW:S:-:PEAK	1.4405655649	5.5992270853
HFS-05:4/26/2006:SW:S:-:-	1.4594313355	4.9953425003
HFS-05:4/26/2006:SW:S:-:PEAK	1.4540290416	4.7293229704
HFS-05:4/29/2006:SW:S:-:PEAK	1.3998172167	4.9656344370

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-05:4/3/2006:SW:S:-:-	1.4388709532	5.1218352214
HFS-05:4/30/2006:SW:S:-:-	1.5023311679	4.9528060827
HFS-05:5/10/2006:SW:S:-:EVENTA	1.8471096374	7.3951987661
HFS-05:5/11/2006:SW:S:-:EVENTB	1.5860662191	4.7413400629
HFS-05:5/31/2006:SW:S:-:-	1.3846259391	4.9340809960
HFS-05:5/6/2006:SW:S:-:-	1.5101711651	4.9685463294
HFS-05:6/15/2006:SW:S:-:BF1	1.2611822884	5.2114092762
HFS-05:6/27/2005:SW:S:-:A	1.4033449226	4.6382093514
HFS-05:6/27/2005:SW:S:-:B	1.5228650921	4.4842678643
HFS-05:6/7/2005:SW:S:-:A	1.4875365069	4.9191439352
HFS-05:6/7/2005:SW:S:-:B	1.7527363792	4.3959467336
HFS-05:6/7/2006:SW:S:-:-	1.3279432278	4.9798226169
HFS-05:7/12/2005:SW:S:-:BF1	1.3424913458	4.8574711793
HFS-05:7/7/2005:SW:S:-:-	1.3528677568	4.8407342842
HFS-05:8/1/2006:SW:S:56:BF2	1.3713322110	4.7320990297
HFS-05:8/29/2005:SW:S:-:BF2	1.2247804501	5.2553746436
HFS-05:9/13/2005:SW:S:-:A	1.4178125458	4.3436704378
HFS-05:9/15/2005:SW:S:-:B	1.3881560921	4.7718819008
HFS-05:9/28/2005:SW:S:-:-	1.2829027130	4.4469556967
HFS-08:6/15/2005:SW:S:-:A	1.5206854718	4.4884624964
HFS-08:6/15/2005:SW:S:-:B	1.4347019398	4.1959564312
HFS-08:7/12/2005:SW:S:-:-	1.4157603154	4.0934826022
HFS-08:7/13/2005:SW:S:-:BF1	1.3412161943	4.2044768176
HFS-08:8/28/2005:SW:S:-:BF2	1.2339480707	4.4687800094
HFS-14:3/10/2006:SW:S:-:-	1.4015899023	4.5592059055
HFS-14:3/10/2006:SW:S:-:PEAK	1.6202013210	4.8183231512
HFS-14:4/25/2006:SW:S:-:-	1.5040341374	4.7109993958
HFS-14:4/25/2006:SW:S:-:PEAK	1.6194650084	4.6810631642
HFS-14:4/7/2006:SW:S:-:-	1.3379090852	4.5708589690
HFS-14:4/7/2006:SW:S:-:PEAK	1.3565143121	4.6660378095
HFS-14:5/10/2006:SW:S:-:-	1.4059546632	4.6303040782
HFS-14:5/11/2006:SW:S:-:PEAK	1.6152348119	4.8725995181
HFS-14:5/31/2006:SW:S:-:-	1.9040456807	5.1815118209
HFS-14:6/15/2005:SW:S:-:A	1.3636115299	4.2714031530
HFS-14:6/15/2005:SW:S:-:B	1.2951160275	4.2531602051
HFS-14:6/15/2006:SW:S:-:BF1	1.1776763165	4.4186131687
HFS-14:6/5/2006:SW:S:-:-	1.3969276561	4.7802220601
HFS-14:6/9/2005:SW:S:-:-	1.2903293280	4.3178124016
HFS-14:7/12/2005:SW:S:-:BF1	1.3752620025	4.1475241321
HFS-14:7/23/2005:SW:S:-:-	1.2241386539	4.1723399748
HFS-14:8/1/2006:SW:S:-:BF2	1.2536268202	4.3598785328
HFS-14:8/27/2005:SW:S:-:BF2	1.2253793420	4.4490015290
HFS-16:3/10/2006:SW:S:-:-	1.5578192848	4.4877012339
HFS-16:4/25/2006:SW:S:-:-	1.5092074848	4.2997199519
HFS-16:5/1/2006:SW:S:-:PEAK	1.3038069272	4.6667877225
HFS-16:5/2/2006:SW:S:-:-	1.2928810684	4.7096102879
HFS-16:5/31/2006:SW:S:-:-	1.4083009850	4.3329402714
HFS-16:5/6/2006:SW:S:-:A	1.3107933352	4.7325638920
HFS-16:5/7/2006:SW:S:-:B	1.4023113007	5.2131173112
HFS-16:6/15/2005:SW:S:-:-	1.5180547480	4.5631810644

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-16:6/15/2006:SW:S:-:BF1	1.3261349306	4.6115413483
HFS-16:6/27/2005:SW:S:-:A	1.4258690266	4.5190996027
HFS-16:7/11/2005:SW:S:-:BF1	1.8453026889	4.6088362607
HFS-16:7/13/2005:SW:S:-:-	1.3670092107	4.6872652985
HFS-16:8/14/2005:SW:S:-:-	1.4850175494	4.6122963762
HFS-16:8/27/2005:SW:S:-:BF2	1.3675643052	5.1773233342
HFS-16:9/15/2005:SW:S:-:-	1.4643239641	4.6590678301
HFS-20:3/10/2006:SW:S:-:-	1.3261739312	4.7200202218
HFS-20:4/26/2006:SW:S:-:-	1.2986456612	4.6616556146
HFS-20:4/3/2006:SW:S:-:-	1.3010270218	4.7898199202
HFS-20:4/3/2006:SW:S:-:PEAK	1.3028214663	4.7634608212
HFS-20:4/30/2006:SW:S:-:-	1.3139010443	4.9746841910
HFS-20:4/7/2006:SW:S:-:-	1.2028170408	4.9684317342
HFS-20:5/10/2006:SW:S:-:EVENTB	1.5983064033	4.1983669234
HFS-20:5/31/2006:SW:S:-:EVENTA	1.3578261368	4.6602346434
HFS-20:5/31/2006:SW:S:-:EVENTB	1.3706226411	4.5700946553
HFS-20:5/4/2006:SW:S:-:LEADINGEDGE	1.3585976420	4.9195528153
HFS-20:5/6/2006:SW:S:-:PLATEAU	1.3232513132	4.8601374428
HFS-20:5/9/2006:SW:S:-:EVENTA	1.5780603844	4.1693836631
HFS-20:6/15/2005:SW:S:-:A	1.3852254133	4.4857035483
HFS-20:6/15/2005:SW:S:-:B	1.5694967038	4.4478086294
HFS-20:6/15/2006:SW:S:-:BF1	1.1960468411	4.7705806003
HFS-20:7/10/2005:SW:S:-:-	1.1981359837	4.9725307627
HFS-20:7/13/2005:SW:S:-:BF1	1.3251465307	4.9496029682
HFS-20:7/26/2005:SW:S:-:-	1.5860982156	4.6671708470
HFS-20:7/7/2005:SW:S:-:A	1.3181310030	4.8889354642
HFS-20:7/7/2005:SW:S:-:B	1.3568274810	5.1474767644
HFS-20:8/1/2006:SW:S:-:BF2	1.4589163341	4.7199603350
HFS-20:8/14/2005:SW:S:-:-	1.1825531875	5.1798328005
HFS-20:8/27/2005:SW:S:-:BF2	1.2473371290	5.3492520208
HFS-20:9/16/2005:SW:S:-:-	1.4669039665	4.3437628723
HFS-21:3/21/2006:SW:S:-:-	1.3783846019	4.2428051569
HFS-21:3/9/2006:SW:S:-:-	1.4143267609	4.2336441089
HFS-21:4/26/2006:SW:S:-:-	1.4612722981	4.1223332645
HFS-21:4/26/2006:SW:S:-:PEAK	1.4185533318	3.9816701613
HFS-21:4/29/2006:SW:S:-:PEAK	1.4729274193	4.1359361755
HFS-21:4/3/2006:SW:S:-:-	1.4267482536	4.1619231142
HFS-21:4/30/2006:SW:S:-:-	1.4480837652	4.1258085606
HFS-21:4/6/2006:SW:S:-:A	1.4584305368	4.9186302120
HFS-21:4/7/2006:SW:S:-:B	1.5159239489	4.2689550611
HFS-21:5/10/2006:SW:S:-:EVENTB	1.3574412077	4.6395536751
HFS-21:5/31/2006:SW:S:-:-	1.4216811184	4.1650837383
HFS-21:5/4/2006:SW:S:-:PEAK	1.5820679184	4.5854128551
HFS-21:5/5/2006:SW:S:-:-	1.5060176642	4.0108724821
HFS-21:5/9/2006:SW:S:-:EVENTA	1.3117589988	4.7023384701
HFS-21:6/15/2006:SW:S:-:BF1	1.4152644564	4.3755471235
HFS-21:6/7/2005:SW:S:-:-	1.4685599671	4.1398701435
HFS-21:7/10/2005:SW:S:-:-	1.4334294148	4.3349911646
HFS-21:7/13/2005:SW:S:-:BF1	1.7415376718	4.8946555261
HFS-21:7/7/2005:SW:S:-:-	1.4646594755	4.2025938878

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-21:8/14/2005:SW:S:-:-	1.5357330439	4.5573805706
HFS-21:8/20/2005:SW:S:-:-	1.3566192895	4.5473127518
HFS-21:9/16/2005:SW:S:-:-	1.4907885597	4.6246912378
HFS-21:9/28/2005:SW:S:-:-	1.4740684170	4.4174955075
HFS-22:3/22/2006:SW:S:-:-	1.6280975264	5.4990031856
HFS-22:3/22/2006:SW:S:-:PEAK	1.7072238309	5.6852089119
HFS-22:4/27/2006:SW:S:-:-	1.8737763175	5.9667663432
HFS-22:4/27/2006:SW:S:-:PEAK	1.9272653491	6.1784550987
HFS-22:4/30/2006:SW:S:-:-	1.5534209983	4.4459963163
HFS-22:4/4/2006:SW:S:-:-	1.6127404625	5.5293156389
HFS-22:4/4/2006:SW:S:-:PEAK	1.6524594558	5.6680280298
HFS-22:5/10/2006:SW:S:-:EVENTA	1.8919404305	6.2920380492
HFS-22:5/11/2006:SW:S:-:EVENTB	1.5586689298	4.3300857618
HFS-22:5/31/2006:SW:S:-:EVENTB	1.4862182868	4.6507176961
HFS-22:5/6/2006:SW:S:-:-	1.5580921988	4.4947346115
HFS-22:6/15/2005:SW:S:-:A	1.6793892047	5.6881817472
HFS-22:6/15/2005:SW:S:-:B	1.6812647383	5.5627501262
HFS-22:6/15/2006:SW:S:-:BF1	1.5312213528	5.7192013618
HFS-22:6/7/2005:SW:S:-:-	1.6613247288	5.8321504482
HFS-22:7/12/2005:SW:S:-:BF1	1.5934768303	5.6444194731
HFS-22:8/1/2006:SW:S:1:BF2	1.8111620362	6.3575606318
HFS-22:8/28/2005:SW:S:-:BF2	1.6379046140	6.3957112518
HFS-22:9/15/2005:SW:S:-:-	1.2375828996	4.8178489359
HFS-23:3/22/2006:SW:S:-:-	1.4621335261	4.8414658858
HFS-23:4/27/2006:SW:S:-:-	1.5764784269	4.9177754412
HFS-23:4/27/2006:SW:S:-:PEAK	1.5533887390	4.6999930030
HFS-23:4/30/2006:SW:S:-:-	1.4581126939	4.5555191042
HFS-23:4/4/2006:SW:S:-:-	1.4614113929	4.8362655755
HFS-23:4/8/2006:SW:S:-:-	1.4645678701	4.9353017393
HFS-23:5/10/2006:SW:S:-:PEAK	1.4937954955	4.2890930869
HFS-23:5/11/2006:SW:S:-:-	1.4388281986	4.2888138053
HFS-23:5/31/2006:SW:S:-:-	1.5469791870	4.5918926826
HFS-23:5/4/2006:SW:S:-:G	1.5533707055	4.1239097897
HFS-23:6/15/2005:SW:S:-:-	1.5095456642	4.6773423263
HFS-23:6/15/2006:SW:S:-:BF1	1.5342400204	5.1982155818
HFS-23:6/27/2005:SW:S:-:-	1.4673820711	5.0104751777
HFS-23:6/7/2005:SW:S:-:-	1.5158947976	4.9231289236
HFS-23:6/7/2006:SW:S:-:-	1.4087078917	4.8564682261
HFS-23:7/12/2005:SW:S:-:BF1	1.6565127397	4.6888391513
HFS-23:7/16/2005:SW:S:-:-	1.4654185857	4.7465362905
HFS-23:7/23/2005:SW:S:-:-	1.5219685127	4.6152036031
HFS-23:8/1/2006:SW:S:56:BF2	1.4898625359	4.9970418005
HFS-23:8/14/2005:SW:S:-:A	1.4958951936	5.4071565843
HFS-23:8/14/2005:SW:S:-:B	1.5106950492	5.4205371393
HFS-23:8/28/2005:SW:S:-:BF2	1.4697726185	5.5758231510
HFS-23:9/16/2005:SW:S:-:-	1.6794274026	4.7515232831
HFS-23:9/25/2005:SW:S:-:-	1.7781621106	4.7808892324
HFS-26:7/13/2005:SW:S:-:BF1	1.3318517222	4.3648433136
HFS-26:7/7/2005:SW:S:-:-	1.3260534918	4.3545596320
HFS-26:8/27/2005:SW:S:-:BF2	1.2114218381	4.6924150788

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-28A:4/25/2006:SW:S:-:-	1.2174845612	4.2099034653
HFS-28A:4/26/2006:SW:S:-:TAIL	1.2705175230	4.1808640706
HFS-28A:4/29/2006:SW:S:-:RISINGLIMB	1.2575836538	4.2340305710
HFS-28A:4/30/2006:SW:S:-:-	1.2628433734	4.2673991401
HFS-28A:5/10/2006:SW:S:-:-	1.3466153593	4.0901700894
HFS-28A:5/4/2006:SW:S:-:LEADINGEDGE	1.2887980549	4.2265835813
HFS-28A:5/5/2006:SW:S:-:-	1.2637605354	4.1674810016
HFS-28A:6/15/2006:SW:S:-:BF1	1.1930517687	4.1857614474
HFS-28A:6/7/2006:SW:S:-:-	1.2458258159	3.8806654154
HFS-28A:8/1/2006:SW:S:-:BF2	1.2404573964	4.2397388360
HFS-28A:8/28/2005:SW:S:-:BF2	1.1787608521	4.5389278348
HFS-29:3/10/2006:SW:S:-:-	1.3359127066	4.2857836605
HFS-29:4/24/2006:SW:S:-:-	1.3772987380	4.3841713557
HFS-29:4/29/2006:SW:S:-:-	1.3231302249	4.4794728537
HFS-29:4/29/2006:SW:S:-:PEAK	1.4120904243	4.2974288365
HFS-29:4/7/2006:SW:S:-:-	1.3381299368	4.3729212830
HFS-29:4/7/2006:SW:S:-:PEAK	1.2957626918	4.2922869582
HFS-29:5/10/2006:SW:S:-:EVENTA	1.4064391129	4.5550764449
HFS-29:5/10/2006:SW:S:-:EVENTB	1.4250237474	4.4500176520
HFS-29:5/5/2006:SW:S:-:-	1.4780314482	4.9694129772
HFS-29:6/15/2006:SW:S:-:BF1	1.2981520631	4.4967844448
HFS-29:8/1/2006:SW:S:-:BF2	1.3197234782	4.3284847064
HFS-30:4/24/2006:SW:S:-:-	1.2905081359	4.2707354147
HFS-30:4/26/2006:SW:S:-:TAIL	1.2679560218	4.3375445367
HFS-30:4/29/2006:SW:S:-:PEAK	1.2759163125	4.3348747708
HFS-30:4/30/2006:SW:S:-:-	1.2808292714	4.2904619472
HFS-30:5/11/2006:SW:S:-:-	1.2762974553	3.9033146136
HFS-30:5/3/2007:SW:S:0:-	1.2128372487	4.0492470757
HFS-30:5/31/2006:SW:S:-:-	1.2830847284	4.0998229399
HFS-30:5/4/2006:SW:S:-:-	1.3769527467	3.8797378206
HFS-30:6/15/2006:SW:S:-:BF1	1.1881552691	4.2901694614
HFS-30:8/1/2006:SW:S:-:BF2	1.2144708692	4.3392016044
LincolnWWTP:4/2/2008:SW:S:-:-	1.4066325505	4.5145471954
LK-01:7/12/2005:SW:S:1:-	1.4160668865	4.0647150795
LK-01:7/12/2005:SW:S:14:-	1.4183998071	4.2759676664
LK-01:7/12/2005:SW:S:18:-	1.4094349451	4.3001542955
LK-01:7/12/2005:SW:S:25:-	1.4482844449	4.2219219068
LK-01:8/24/2005:SW:S:1:-	1.3375157178	4.1794035186
LK-01:8/24/2005:SW:S:14:-	1.3920026615	4.3103573118
LK-01:9/26/2006:SW:S:0:-	1.3052187303	4.4569192688
LK-01:9/26/2006:SW:S:16:-	1.3429649346	4.4347671669
LK-01:9/26/2006:SW:S:20:-	1.4276205707	4.3974506209
LK-02:7/12/2005:SW:S:1:-	1.3974992566	4.1389682453
LK-02:7/12/2005:SW:S:10:-	1.4654545182	4.2575090540
LK-02:7/12/2005:SW:S:22:-	1.5721710291	4.2171453365
LK-02:8/23/2005:SW:S:1:-	1.3989802074	4.1346826738
LK-02:8/23/2005:SW:S:10:-	1.4041872679	4.2016991199
LK-02:8/23/2005:SW:S:21:-	1.6819128449	4.2162463970
LK-02:9/26/2006:SW:S:0:-	1.2997330539	4.5083030930
LK-02:9/26/2006:SW:S:16:-	1.3692580190	4.4122411684

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
LK-02:9/26/2006:SW:S:19:-	1.7162911056	4.2174099625
LK-03:7/12/2005:SW:S:1:-	1.4659548797	4.1966063694
LK-03:7/12/2005:SW:S:3:-	1.4570237629	4.1585001459
LK-03:7/12/2005:SW:S:6:-	1.4418473666	4.1884834547
LK-03:8/23/2005:SW:S:1:-	1.3740423623	4.2874377027
LK-03:8/23/2005:SW:S:3:-	1.3961774550	4.3101338707
LK-03:8/23/2005:SW:S:4:-	1.4115709556	4.2843654193
LK-03:9/26/2006:SW:S:0:-	1.3219781801	4.6531288779
LK-04:8/23/2005:SW:S:1:-	1.4712667493	4.7128784740
LK-04:8/23/2005:SW:S:2:-	1.4939569507	4.7065216340
LK-04:8/23/2005:SW:S:3:-	1.6527584938	4.6134347982
LK-04:9/26/2006:SW:S:0:-	1.4354858267	4.5318329447
RBS-0000019:8/14/2006:SW:S:0:-	2.0516109884	3.9176649550
RBS-0000028:8/14/2006:SW:S:0:-	1.3103885058	4.5549964370
RBS-0000031:8/16/2006:SW:S:0:-	1.5336897805	6.6231118234
RBS-0000043:8/11/2006:SW:S:0:-	1.3845969012	5.3288227333
RBS-0000057:8/11/2006:SW:S:0:-	1.3633016453	4.9704068448
RBS-0000075:8/10/2006:SW:S:0:-	1.7102191649	7.8397074201
RBS-0000086:8/10/2006:SW:S:0:-	1.3615910315	4.8930826833
RBS-0000109:8/9/2006:SW:S:0:-	1.5802454011	5.8689228125
RBS-0000120:8/9/2006:SW:S:0:-	1.4639582028	6.3478814838
RBS-0000121:8/10/2006:SW:S:0:-	1.8527692225	8.7065183917
RBS-0000137:8/11/2006:SW:S:0:-	1.3517801835	4.9862159359
RBS-0000148:8/10/2006:SW:S:0:-	1.2081626150	4.7081045731
RBS-0000150:8/10/2006:SW:S:0:-	1.2284130031	4.6519781963
RBS-0000225:8/11/2006:SW:S:0:-	1.6028512602	5.6125858877
RBS-0000246:8/9/2006:SW:S:0:-	1.6008079768	5.6355706991
RBS-0000286:8/9/2006:SW:S:0:-	1.7164221229	4.4377635122
RBS-0000312:8/9/2006:SW:S:0:-	1.2246658397	4.5186799167
RBS-0000336:8/16/2006:SW:S:0:-	1.4037275745	4.4620505548
RBS-0000340:8/15/2006:SW:S:0:-	1.3257273628	4.8807200697
RBS-0000344:8/16/2006:SW:S:0:-	1.2266430481	4.8082000617
RBS-0000345:8/11/2006:SW:S:0:-	1.9006162680	8.8829811476
RBS-0000349:8/11/2006:SW:S:0:-	1.7584789013	7.2884100639
RBS-0000350:8/16/2006:SW:S:0:-	1.5485902359	6.7336663984
RBS-0000395:8/10/2006:SW:S:0:-	1.2351947963	4.7906022830
RBS-0000548:8/15/2006:SW:S:0:-	1.2435287955	4.4368998330
RBS-0000574:8/10/2006:SW:S:0:-	1.4849783024	4.8915525183
RBS-0000577:8/10/2006:SW:S:0:-	1.4537805723	5.1071219511
RBS-0000578:8/10/2006:SW:S:0:-	1.3604921531	4.8763753478
RBS-0000625:8/10/2006:SW:S:0:-	1.3222976467	4.6807115700
RBS-0000630:8/11/2006:SW:S:0:-	1.6500537265	4.3718880576
RBS-0000662:8/15/2006:SW:S:0:-	1.2453449886	4.5643213535
RBS-0000704:8/8/2006:SW:S:0:-	1.2341580020	4.7090822667
RBS-0000706:8/9/2006:SW:S:0:-	1.2375413030	4.4126511250
RBS-0000770:8/11/2006:SW:S:0:-	1.2721291986	4.2691235805
RBS-0000901:8/9/2006:SW:S:0:-	1.5785929589	6.5422563423
RBS-0010003:8/14/2006:SW:S:0:-	1.2148647042	4.2767789712
RBS-0010004:8/14/2006:SW:S:0:-	1.2801761728	4.0714232854
RBS-7198000:8/9/2006:SW:S:0:-	1.3758339093	4.6088042702

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
RogersWWTP:4/1/2008:SW:S:-:-	1.5432603783	5.8640796598
RS-1:6/13/2006:SW:S:0:-	1.2629399612	4.4241645110
RS-1:7/11/2005:SW:S:0:-	1.3592250562	4.3711768477
RS-1:7/12/2006:SW:S:0:-	1.2142937244	4.3323751215
RS-1:8/24/2005:SW:S:0:-	1.2799246763	4.4018413352
RS-1:8/8/2006:SW:S:0:-	1.2644689819	4.4147236611
RS-1:9/25/2006:SW:S:0:-	1.2665770600	4.4708150903
RS-10004:5/21/2007:SW:S:0:-	1.2147065699	3.9708551680
RS-109:5/2/2007:SW:S:0:-	1.3083826950	4.9127848408
RS-122:5/3/2007:SW:S:0:-	1.4042134181	5.5999024978
RS-133:5/21/2007:SW:S:0:-	1.3164953180	4.4143696546
RS-150:5/3/2007:SW:S:0:-	1.2164210224	4.4665892135
RS-160:5/3/2007:SW:S:0:-	1.2562529303	4.4217887041
RS-2:6/13/2006:SW:S:0:-	1.2285502042	4.3133665306
RS-2:7/11/2005:SW:S:0:-	1.3607214059	4.2213973776
RS-2:7/12/2006:SW:S:0:-	1.2707525187	4.2138337697
RS-2:8/10/2006:SW:S:0:-	1.2685940775	4.2731051486
RS-2:8/24/2005:SW:S:0:-	1.3073781009	4.2593645285
RS-2:9/25/2006:SW:S:0:-	1.3086619071	4.4059446759
RS-233:5/21/2007:SW:S:0:-	1.3780106715	4.8214630273
RS-297:5/21/2007:SW:S:0:-	1.3367546761	5.5264087889
RS-3:6/13/2006:SW:S:0:-	1.3528313409	5.0146083467
RS-3:7/11/2005:SW:S:0:-	1.4348942506	4.7707594863
RS-3:7/12/2006:SW:S:0:-	1.3305235216	4.8928551084
RS-3:8/10/2006:SW:S:0:-	1.4066421861	5.1645066689
RS-3:8/24/2005:SW:S:0:-	1.4109896393	4.9555676812
RS-3:9/25/2006:SW:S:0:-	1.5872723106	4.5571975758
RS-312:5/2/2007:SW:S:0:-	1.2193397674	4.2918079913
RS-336:5/10/2007:SW:S:0:-	1.3923688596	4.5877098397
RS-386:5/2/2007:SW:S:0:-	1.3294923940	4.8499463891
RS-399:5/2/2007:SW:S:0:-	1.4691561854	4.5377029531
RS-402:5/21/2007:SW:S:0:-	1.2563818471	3.8821821071
RS-43:5/21/2007:SW:S:0:-	1.3122586215	4.9200964524
RS-433A:5/2/2007:SW:S:0:-	1.2874246896	4.7961810912
RS-578:5/2/2007:SW:S:0:-	1.3064001935	4.6618156420
RS-667:5/1/2007:SW:S:0:-	1.1782728397	4.3938327729
RS-682:5/2/2007:SW:S:0:-	1.2540581163	4.5713737127
RS-696:5/21/2007:SW:S:0:-	1.2496295214	4.2746133339
RS-704:5/2/2007:SW:S:0:-	1.1993102970	4.3663919485
RS-72:5/21/2007:SW:S:0:-	1.3662993270	5.7990116997
RS-728:5/2/2007:SW:S:0:-	1.4090895867	5.1662479843
RS-75:5/8/2007:SW:S:0:-	1.4481585346	6.0654390142
RS-757:5/1/2007:SW:S:0:-	1.3115610046	4.9260795452
RS-770:5/1/2007:SW:S:0:-	1.2397966834	4.1576667909
RS-793:5/3/2007:SW:S:0:-	1.4057724595	5.2289848600
RS-795:5/1/2007:SW:S:0:-	1.3133652884	4.3956091864
RS-902:5/1/2007:SW:S:0:-	1.3435134931	4.8800313967
RS-97:5/21/2007:SW:S:0:-	1.2880733880	5.0495439409
RS-BALLARD:5/5/2006:SW:S:0:-	1.4629031957	4.1348094802
RS-FLYCREEK:5/5/2006:SW:S:0:-	1.3983778749	4.2566716986

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
RS-ILLINOISRIVER:4/30/2006:SW:S:0:-	1.7033697417	4.3892481918
RS-LOC:4/7/2006:SW:S:0:-	1.6878637688	4.6772034353
RS-OSAGE:5/5/2006:SW:S:0:-	1.3843735403	5.0171590355
RS-PRICECREEK:4/29/2006:SW:S:0:-	1.4902899059	4.0683071905
RS-TYNER:5/5/2006:SW:S:0:-	1.2652450800	4.2393773931
SiloamWWTP:3/31/2008:SW:S:-:-	2.0774594158	7.0596984503
SN-SBC2:4/25/2007:SW:S:0:-	3.6265052944	5.4326477632
SPR-001JBF050806:6/27/2006:SW:S:-:-	1.2535267467	4.4985036664
SPR-001RPH051806:6/27/2006:SW:S:-:-	1.1313584003	4.5193583415
SPR-002RPH051006:6/27/2006:SW:S:-:-	1.2572571235	4.4929228418
SPR-002X-060706:6/7/2006:SW:S:-:-	1.2253115962	3.7990524974
SPR-004RPH051806:6/27/2006:SW:S:-:-	1.2243159844	5.1592792932
SPR-005RPH051206:6/27/2006:SW:S:-:-	1.2425836720	4.7240024937
SPR-005RPH051806:6/27/2006:SW:S:-:-	1.0507717497	5.0061394649
SPR-012RPH051206:6/6/2006:SW:S:-:-	1.2466518762	3.9995158806
SPR-04:5/25/2005:SW:S:-:-	1.2959001332	4.5243674973
SPR-07:6/14/2005:SW:S:-:-	1.3076524642	4.2787049469
SPR-07:6/7/2006:SW:S:-:-	1.2439605303	4.4298545865
SPR-14:5/24/2005:SW:S:-:-	1.4983324564	4.2298944685
SPR-14:6/27/2006:SW:S:-:-	1.3028405138	4.5292590681
SPR-16:5/25/2005:SW:S:-:-	1.3839802688	4.6178918551
SPR-16:6/28/2006:SW:S:-:-	1.2240841009	4.8141870607
SPR-18:5/25/2005:SW:S:-:-	1.3087740515	4.9261047411
SPR-23:6/16/2005:SW:S:-:-	1.2502675022	4.6465974688
SPR-23:6/27/2006:SW:S:-:-	1.1749892079	4.4726391780
SPR-24:6/16/2005:SW:S:-:-	1.2969430101	4.2944491307
SPR-24:6/6/2006:SW:S:-:-	1.1719447182	4.3776763920
SPR-25:6/16/2005:SW:S:-:-	1.2947143578	4.0154964594
SPR-25:6/7/2006:SW:S:-:-	1.2056562927	3.9458403325
SPR-26:5/26/2005:SW:S:-:-	1.5884973799	4.9598953545
SPR-26:6/28/2006:SW:S:-:-	1.5413328779	6.2666362788
SPR-27:5/24/2005:SW:S:-:-	1.3409235977	4.4821258099
SPR-27:6/28/2006:SW:S:-:-	1.2256936432	4.8499362012
SPR-28:5/25/2005:SW:S:-:-	1.3236797122	4.3457788374
SPR-28:8/10/2006:SW:S:-:-	1.1648508455	4.7575682966
SPR-32:6/2/2005:SW:S:-:-	1.4614848095	5.1709562516
SPR-32:6/28/2006:SW:S:-:-	1.5529880392	5.0930845630
SPR-36:6/2/2005:SW:S:-:-	1.3974271336	4.3582758829
SPR-36:6/27/2006:SW:S:-:-	1.2506021706	4.6212480433
SPR-48:5/26/2005:SW:S:-:-	1.3141572881	4.6158477145
SPR-48:6/28/2006:SW:S:-:-	1.2041782945	4.8233620862
SPR-61:5/25/2005:SW:S:-:-	1.3699834874	4.8389725563
SPR-61:6/28/2006:SW:S:-:-	1.1739197612	5.1497792650
SPR-62:6/2/2005:SW:S:-:-	1.2828934631	4.3019443282
SPR-63:6/1/2005:SW:S:-:-	1.3872716217	4.1973519873
SPR-63:6/7/2006:SW:S:-:-	1.2940637034	4.4850688216
SPR-65:6/14/2005:SW:S:-:-	1.2576594657	4.2257540370
SPR-Anderson:6/13/2006:SW:S:-:-	1.3530913851	4.4799720212
SPR-Fite500:8/10/2006:SW:S:-:-	1.2761626865	4.4465429559
SPR-Fite501:8/10/2006:SW:S:-:-	1.1421703571	4.6573915073

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
SPR-Hester:6/8/2006:SW:S:-:-	1.6723444628	3.5414461315
SpringdaleWWTP:3/31/2008:SW:S:-:-	1.6777702684	6.6805505044
SPR-Jones:1/23/2007:SW:S:-:-	1.2983574312	5.1781904373
SPR-LAL15SP2:7/11/2006:SW:S:-:-	1.1520363362	4.4935373304
SPR-LAL16-SP1:7/18/2006:SW:S:-:-	1.2029613241	4.2066806410
SPR-LAL16-SP2:7/18/2006:SW:S:-:-	3.8865914692	11.2630705086
SPR-VANCE:7/30/2007:SW:S:-:-	1.3184649640	4.3786768948
SSA01:5/14/2005:SW:S:-:-	2.1049399820	5.5379188943
USGS-07195500:10/15/2007:SW:S:-:-	1.3515946484	5.1387857778
USGS-07195500:10/2/2006:SW:S:-:-	1.3827952762	5.0796615367
USGS-07195500:10/4/2007:SW:S:-:-	1.4601706070	4.5201725580
USGS-07195500:12/12/2007:SW:S:-:-	1.3514784277	4.9418185536
USGS-07195500:12/6/2007:SW:S:-:-	1.3097057596	5.3968869182
USGS-07195500:12/7/2006:SW:S:-:-	1.3261792550	4.8266256718
USGS-07195500:2/7/2007:SW:S:-:-	1.3046917354	4.9287032791
USGS-07195500:3/10/2006:SW:S:-:-	1.4297273839	5.6752006278
USGS-07195500:3/9/2006:SW:S:-:-	1.4243513627	5.5418145237
USGS-07195500:4/12/2006:SW:S:-:-	1.3657802874	5.2756821698
USGS-07195500:4/26/2006:SW:S:-:-	1.4414356533	5.6444273208
USGS-07195500:4/26/2007:SW:S:-:-	1.3619021402	4.8008405305
USGS-07195500:4/3/2006:SW:S:-:-	1.3845272758	5.4675861956
USGS-07195500:4/30/2006:SW:S:-:-	1.5597949524	4.5474353849
USGS-07195500:4/9/2007:SW:S:-:-	1.3187210034	5.1789398805
USGS-07195500:5/23/2005:SW:S:-:-	1.3618130862	4.9341993168
USGS-07195500:5/5/2006:SW:S:-:-	2.0648113583	4.0708958679
USGS-07195500:6/12/2007:SW:S:-:-	1.4235869483	4.6689622412
USGS-07195500:6/28/2007:SW:S:-:-	1.3566099115	5.0339960677
USGS-07195500:6/4/2007:SW:S:-:-	1.3740170094	4.7421066143
USGS-07195500:7/12/2005:SW:S:-:-	1.3541546877	5.1969691916
USGS-07195500:8/23/2005:SW:S:-:-	1.4011074302	5.1235838169
USGS-07195500:8/6/2007:SW:S:-:-	1.4312295573	5.1594614822
USGS-07195500:9/15/2005:SW:S:-:-	1.3874006268	5.4140222731
USGS-07196000:1/24/2007:SW:S:-:-	1.3049150780	4.5376763178
USGS-07196000:1/9/2008:SW:S:-:-	1.3787955492	4.4082717774
USGS-07196000:10/1/2007:SW:S:-:-	1.3639522128	5.2139692888
USGS-07196000:10/3/2007:SW:S:-:-	1.4499468868	4.6767612960
USGS-07196000:10/5/2006:SW:S:-:-	1.3827905013	5.3125898715
USGS-07196000:12/12/2007:SW:S:-:-	1.3523257762	4.7749330578
USGS-07196000:12/3/2007:SW:S:-:-	1.3948858311	5.2852375711
USGS-07196000:12/6/2006:SW:S:-:-	1.3543698202	4.8907295944
USGS-07196000:2/4/2008:SW:S:-:-	1.3662621240	4.9706096626
USGS-07196000:2/5/2007:SW:S:-:-	1.3153532570	4.7716666226
USGS-07196000:4/12/2006:SW:S:-:-	1.3682616992	5.4445577326
USGS-07196000:4/2/2007:SW:S:-:-	1.3451367715	5.0377072806
USGS-07196000:4/29/2006:SW:S:-:-	1.4435693174	5.3792757129
USGS-07196000:4/30/2006:SW:S:-:-	1.4731979446	5.3458264202
USGS-07196000:5/11/2006:SW:S:-:-	1.3523242833	5.0054364950
USGS-07196000:5/5/2006:SW:S:-:-	1.4368522876	5.1433099245
USGS-07196000:5/8/2007:SW:S:-:-	1.3343890122	4.7185021384
USGS-07196000:6/12/2007:SW:S:-:-	1.3797690169	4.6571486555

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
USGS-07196000:6/14/2006:SW:S:-:-	1.3673787715	5.2548359079
USGS-07196000:6/5/2007:SW:S:-:-	1.3394266483	4.9686438252
USGS-07196000:7/12/2005:SW:S:-:-	1.3660968313	4.9851796526
USGS-07196000:7/13/2006:SW:S:-:-	1.4059597162	5.3170729197
USGS-07196000:8/24/2005:SW:S:-:-	1.3542594291	5.0986197052
USGS-07196000:8/7/2007:SW:S:-:-	1.4341534937	5.0948636176
USGS-07196090:10/15/2007:SW:S:-:-	1.3170148200	4.9885885894
USGS-07196090:10/4/2007:SW:S:-:-	1.5043992668	4.3327041542
USGS-07196090:10/5/2006:SW:S:-:-	1.3400140794	5.0539587198
USGS-07196090:12/12/2007:SW:S:-:-	1.3291660411	5.0024872231
USGS-07196090:12/6/2007:SW:S:-:-	1.2918646449	5.2672903425
USGS-07196090:12/7/2006:SW:S:-:-	1.3146482985	4.7798124784
USGS-07196090:2/5/2008:SW:S:-:-	1.3130965972	5.1048343526
USGS-07196090:2/7/2007:SW:S:-:-	1.2876412390	4.8082901925
USGS-07196090:3/10/2006:SW:S:-:-	1.3379989342	5.4427437417
USGS-07196090:4/20/2006:SW:S:-:-	1.3523374614	5.3496759760
USGS-07196090:4/26/2006:SW:S:-:-	1.3844161604	5.3310275875
USGS-07196090:4/26/2007:SW:S:-:-	1.3158176401	5.0205467443
USGS-07196090:4/3/2006:SW:S:-:-	1.3477555037	5.3752941310
USGS-07196090:4/30/2006:SW:S:-:-	1.5728291184	4.8510976173
USGS-07196090:4/9/2007:SW:S:-:-	1.2953856132	4.9808276011
USGS-07196090:5/23/2005:SW:S:-:-	1.3610773028	4.8712142095
USGS-07196090:5/5/2006:SW:S:-:-	1.8103157528	4.5912137834
USGS-07196090:6/12/2007:SW:S:-:-	1.4033824301	4.4826878637
USGS-07196090:6/14/2006:SW:S:-:-	1.3397583314	5.1465103323
USGS-07196090:6/28/2007:SW:S:-:-	1.3163797140	4.7383428098
USGS-07196090:6/4/2007:SW:S:-:-	1.3183945618	4.8392732763
USGS-07196090:7/12/2005:SW:S:-:-	1.3177417278	4.8769130502
USGS-07196090:7/3/2007:SW:S:-:-	1.4402657580	4.6853060628
USGS-07196090:8/23/2005:SW:S:-:-	1.3354987740	5.0180605647
USGS-07196090:8/6/2007:SW:S:-:-	1.3976263647	4.9642400277
USGS-07196090:9/16/2005:SW:S:-:-	1.3483506754	5.3145297730
USGS-07196500:1/9/2008:SW:S:-:-	1.4430431815	4.3264853547
USGS-07196500:10/3/2006:SW:S:-:-	1.3184762677	4.8930045891
USGS-07196500:11/17/2006:SW:S:-:-	1.4139706465	5.0848783023
USGS-07196500:12/13/2007:SW:S:-:-	1.3802885590	4.9654197255
USGS-07196500:12/5/2006:SW:S:-:-	1.3360123722	4.6570775723
USGS-07196500:12/6/2007:SW:S:-:-	1.2784966946	5.1071241722
USGS-07196500:2/12/2007:SW:S:-:-	1.3131969827	4.7061671340
USGS-07196500:3/11/2006:SW:S:-:-	1.3369022769	5.1918724033
USGS-07196500:4/13/2006:SW:S:-:-	1.3208330049	5.1595966027
USGS-07196500:4/27/2006:SW:S:-:-	1.3143158226	5.2380673515
USGS-07196500:4/27/2007:SW:S:-:-	1.3033341676	4.9126955710
USGS-07196500:4/29/2006:SW:S:-:-	1.4397457865	5.2257167053
USGS-07196500:4/3/2007:SW:S:-:-	1.3069064057	4.8231445027
USGS-07196500:5/1/2006:SW:S:-:-	1.3933777990	5.1457945899
USGS-07196500:5/25/2005:SW:S:-:-	1.3253491411	4.8429853398
USGS-07196500:6/13/2006:SW:S:-:-	1.3228585861	4.9072647498
USGS-07196500:6/13/2007:SW:S:-:-	1.3320213881	4.4944092169
USGS-07196500:6/25/2007:SW:S:-:-	1.2949223089	4.6848568573

SW 17 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
USGS-07196500:6/7/2007:SW:S:-:-	1.3154847294	4.6975153867
USGS-07196500:7/11/2005:SW:S:-:-	1.3297500557	4.8346043354
USGS-07196500:7/16/2007:SW:S:-:-	1.3589670044	4.6549762591
USGS-07196500:7/5/2007:SW:S:-:-	1.3390699203	4.6035826521
USGS-07196500:7/6/2007:SW:S:-:-	1.3747846201	4.4509084830
USGS-07196500:8/24/2005:SW:S:-:-	1.3450459675	4.9960360704
USGS-07196500:9/19/2005:SW:S:-:-	1.3297520209	5.1252263615
USGS-07196500:9/19/2006:SW:S:-:-	1.4995714410	4.7275864742
USGS-07197000:1/10/2008:SW:S:-:-	1.2071363154	4.3777220748
USGS-07197000:1/25/2007:SW:S:-:-	1.2453022327	4.2580236735
USGS-07197000:10/4/2006:SW:S:-:-	1.2357857217	4.3275314244
USGS-07197000:10/4/2007:SW:S:-:-	1.2506436287	4.3452996971
USGS-07197000:10/9/2007:SW:S:-:-	1.2212365034	4.3595738547
USGS-07197000:11/17/2006:SW:S:-:-	1.2848816515	4.3565978045
USGS-07197000:12/13/2007:SW:S:-:-	1.2061540430	4.3704223689
USGS-07197000:12/4/2007:SW:S:-:-	1.2669279236	4.3918637140
USGS-07197000:12/5/2006:SW:S:-:-	1.2537473752	4.3094041992
USGS-07197000:2/6/2007:SW:S:-:-	1.2323337432	4.2704368679
USGS-07197000:4/19/2006:SW:S:-:-	1.2218779208	4.2999897357
USGS-07197000:4/29/2006:SW:S:-:-	1.2982725518	4.3024399967
USGS-07197000:4/4/2007:SW:S:-:-	1.2288746116	4.3097376456
USGS-07197000:5/1/2006:SW:S:-:-	1.2382198102	4.3799154357
USGS-07197000:5/11/2006:SW:S:-:-	1.2983249640	4.1799366629
USGS-07197000:5/4/2006:SW:S:-:-	3.3705834508	3.1083948265
USGS-07197000:6/12/2007:SW:S:-:-	1.2597140301	4.2255503367
USGS-07197000:6/14/2006:SW:S:-:-	1.2303593638	4.2861239623
USGS-07197000:6/6/2007:SW:S:-:-	1.2316311725	4.2891679191
USGS-07197000:7/11/2005:SW:S:-:-	1.2673639192	4.3046656511
USGS-07197000:7/3/2007:SW:S:-:-	1.3494198739	4.2284680549
USGS-07197000:7/6/2007:SW:S:-:-	1.6481793744	4.1402138911
USGS-07197000:8/23/2005:SW:S:-:-	1.2704144197	4.3132589062
USGS-07197360:1/25/2007:SW:S:-:-	1.2238841147	4.1912042967
USGS-07197360:10/4/2006:SW:S:-:-	1.2240793332	4.4169962595
USGS-07197360:10/4/2007:SW:S:-:-	1.2140211533	4.4630750307
USGS-07197360:10/9/2007:SW:S:-:-	1.2128522738	4.5251924414
USGS-07197360:12/4/2006:SW:S:-:-	1.2226754583	4.3610321156
USGS-07197360:12/4/2007:SW:S:-:-	1.2453333731	4.4973028547
USGS-07197360:2/6/2007:SW:S:-:-	1.2036662935	4.2225596690
USGS-07197360:4/19/2006:SW:S:-:-	1.2123846898	4.5218709879
USGS-07197360:4/25/2007:SW:S:-:-	1.2371199646	4.3709440408
USGS-07197360:4/29/2006:SW:S:-:-	1.2631319891	4.4217105819
USGS-07197360:5/11/2006:SW:S:-:-	1.2491051648	4.3108066940
USGS-07197360:5/4/2006:SW:S:-:-	2.6775033043	3.4804120636
USGS-07197360:6/13/2006:SW:S:-:-	1.2160839364	4.3755704359
USGS-07197360:6/21/2007:SW:S:-:-	1.2442403968	4.3691411171
USGS-07197360:6/25/2007:SW:S:-:-	1.2168233691	4.4078204582
USGS-07197360:6/6/2007:SW:S:-:-	1.2139368171	4.3753093922
USGS-07197360:7/11/2005:SW:S:-:-	1.2563186426	4.3869573935
USGS-07197360:8/23/2005:SW:S:-:-	1.2543746308	4.3928805493

SD 1 Principal Component Scores	PC Size (Varimax) normalized to 1	
EDA_Sample	PC 1	PC 2
BS-08:8/23/2005:SD:S:-:-	1.1644655970	3.2136215716
BS-117:9/14/2005:SD:S:-:-	1.3950576197	3.1487697475
BS-208:10/12/2005:SD:S:-:-	1.2685692295	2.8687404805
BS-208:9/1/2005:SD:S:-:-	1.0000000000	3.4371380689
BS-28:10/12/2005:SD:S:-:-	1.5264442958	4.0434468722
BS-28:8/23/2005:SD:S:-:-	1.4329895150	4.0680496960
BS-35:10/13/2005:SD:S:-:-	1.2913351125	3.5346641143
BS-35:9/22/2005:SD:S:-:-	1.4751938844	3.3677804284
BS-62A:8/16/2005:SD:S:-:-	1.1521604486	3.2627633251
BS-62A:9/22/2005:SD:S:-:-	1.4572252832	2.8203110216
BS-68:8/19/2005:SD:S:-:-	1.1650606790	3.4034145717
BS-HF04:8/17/2005:SD:S:-:-	1.4264253957	4.0900301081
BS-HF22:8/25/2005:SD:S:-:-	1.5384758874	4.9717067047
BS-HF28A:8/18/2005:SD:S:-:-	1.1433358167	3.2187804838
BS-REF1:8/18/2005:SD:S:-:-	1.2271285914	3.7285112467
BS-REF1:8/30/2005:SD:S:-:-	1.1340646175	3.3806285299
BS-REF2:8/31/2005:SD:S:-:-	1.2155115858	4.0983123860
BS-REF3:8/18/2005:SD:S:-:-	1.3485789602	3.0424213466
BS-REF3:9/1/2005:SD:S:-:-	1.3905397458	3.2589818931
CL-1A:10/24/2006:SL:S:2:-	1.1907058781	2.6128972718
CL-1B:10/24/2006:SL:S:2:-	1.1791667579	2.8012291438
CL-2A:10/24/2006:SL:S:2:-	1.3922646577	3.6239110932
CL-2B:10/24/2006:SL:S:2:-	1.3472719486	3.3942481561
CL-3A:12/12/2006:SL:S:2:-	1.1696786346	3.0150932277
CL-3B:12/12/2006:SL:S:2:-	1.1178800596	2.9826848684
CP-1-A:4/1/2008:SL:S:2:-	1.2112124495	3.1240740896
CP-1-B:4/1/2008:SL:S:2:-	1.3155793618	3.2334373763
CP-2-A:4/2/2008:SL:S:2:-	1.3083599168	3.0701013875
FAC-01:6/20/2006:LT:S:-:-	4.9248603293	3.7977715331
FAC-02:6/21/2006:LT:S:-:-	5.4462668958	5.5845281212
FAC-03:7/6/2006:LT:S:-:-	5.7521469272	4.9570919084
FAC-04:7/12/2006:LT:S:-:-	3.4884791486	4.2959285684
FAC-05:7/12/2006:LT:S:-:-	3.9081072706	4.2782078105
FAC-06:7/20/2006:LT:S:-:-	2.6795230501	3.3667406556
FAC-07:8/3/2006:LT:S:-:-	4.4454695148	4.3700521021
FAC-08:8/15/2006:LT:S:-:-	5.0239386969	3.9514379503
FAC-09:8/31/2006:LT:S:-:-	4.3353507476	3.4640028674
FAC-10:9/22/2006:LT:S:-:-	3.4081295939	3.4610446701
FAC-11:10/17/2007:LT:S:-:-	4.3943112962	4.1269912687
FAC-12:11/30/2007:LT:S:-:-	4.6808782935	4.1104264474
FAC-13:11/29/2007:LT:S:-:-	5.6017732755	4.9546887468
FAC-14:12/7/2007:LT:S:-:-	4.5907758885	4.8371157186
FAC-15:12/12/2007:LT:S:-:-	3.7038796628	3.1154656848
FAC-16:12/14/2007:LT:S:-:-	3.6445301986	3.4280124401
FAC-17:12/19/2007:LT:S:-:-	3.6404835879	3.1828575023
FAC-1A:2/2/2006:LT:S:-:-	5.3275679263	4.9976614125
FAC-1B:2/2/2006:LT:S:-:-	5.1024150285	4.7043869958
FAC-1C:2/2/2006:LT:S:-:-	4.2013075681	4.4441914530
HFS-04:10/11/2005:SD:S:-:-	1.2748177795	3.5795446298
HFS-05:10/11/2005:SD:S:-:-	1.4753888831	5.1286717628

SD 1 Principal Component Scores	PC Size (Varimax) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-08:10/12/2005:SD:S:-:-	1.4119118876	2.8154927223
HFS-16:10/11/2005:SD:S:-:-	1.7397180883	3.8280049267
HFS-26:10/11/2005:SD:S:-:-	1.4155093602	3.6235596997
LAL-10A:6/26/2006:SL:S:2:-	1.2740342625	3.1358003785
LAL-10B:6/26/2006:SL:S:2:-	1.1611302636	3.2927599407
LAL-11A:6/29/2006:SL:S:2:-	1.3075609804	3.1402477873
LAL-11C:6/28/2006:SL:S:2:-	1.3348629040	3.0976834733
LAL-11D:6/28/2006:SL:S:2:-	1.3244645501	3.1737251267
LAL-12A:7/6/2006:SL:S:2:-	1.2402785402	3.2022477856
LAL-12C:7/7/2006:SL:S:2:-	1.2264390499	3.2338105631
LAL-12D:7/7/2006:SL:S:2:-	1.2455021518	3.2016427613
LAL-13A:7/6/2006:SL:S:2:-	1.2951243869	3.0016434231
LAL-13C:7/7/2006:SL:S:2:-	1.3223117020	3.0711161848
LAL-13D:7/6/2006:SL:S:2:-	1.1951278616	3.1878816331
LAL-14B:7/10/2006:SL:S:2:-	1.3226755285	3.2634069871
LAL-14C:7/11/2006:SL:S:2:-	1.3403592610	3.2702931945
LAL-14D:7/11/2006:SL:S:2:-	1.3050435844	3.2420298901
LAL-15B:7/19/2006:SL:S:2:-	1.2237692935	2.8860966192
LAL-16B:7/17/2006:SL:S:2:-	1.4019308891	3.0497316090
LAL-16C:7/18/2006:SL:S:2:-	1.3158856892	3.3568792472
LAL-16D:7/18/2006:SL:S:2:-	1.4104984262	3.1995790710
LAL-17A:7/17/2006:SL:S:2:-	1.2414733322	3.4429414641
LAL-17C:7/18/2006:SL:S:2:-	1.2691591734	3.2193682624
LAL-17D:7/18/2006:SL:S:2:-	1.2213632811	3.4175189502
LAL-18A:8/16/2006:SL:S:2:-	1.2301506617	3.1327543825
LAL-18B:8/16/2006:SL:S:2:-	1.2380876377	3.1848884166
LAL-18C:8/16/2006:SL:S:2:-	1.2987314548	3.7072479822
LAL-18D:8/31/2006:SL:S:2:-	1.2155533312	3.1051264339
LAL-19B:10/17/2007:SL:S:2:-	1.3366460672	3.4136941288
LAL-19C:10/18/2007:SL:S:2:-	1.3492470311	3.5117558845
LAL-19D:10/18/2007:SL:S:2:-	1.3556334551	3.2744148704
LAL-1A:2/2/2006:SL:S:2:-	1.2305687079	3.2585339612
LAL-20A:11/13/2007:SL:S:2:-	1.3017965236	3.3744913230
LAL-20B:11/14/2007:SL:S:2:-	1.1657815174	3.2901107814
LAL-20C:11/13/2007:SL:S:2:-	1.3502228098	3.4609008814
LAL-21A:12/7/2007:SL:S:2:-	1.2185559161	3.0738573548
LAL-21B:12/6/2007:SL:S:2:-	1.2324728716	2.9007172961
LAL-21D:12/7/2007:SL:S:2:-	1.2924748838	3.3986909467
LAL-22A:12/18/2007:SL:S:2:-	1.3471005230	3.3454118479
LAL-22B:12/18/2007:SL:S:2:-	1.2503752191	3.1008862755
LAL-22C:12/19/2007:SL:S:2:-	1.2001217407	3.1739307808
LAL-23A:12/13/2007:SL:S:2:-	1.3440855346	3.0792523283
LAL-23C:12/14/2007:SL:S:2:-	1.2291120457	2.7928816224
LAL-23D:12/14/2007:SL:S:2:-	1.3628635753	2.9699450103
LAL-2A:2/3/2006:SL:S:2:-	1.3352143336	3.1101596239
LAL-3A:2/3/2006:SL:S:2:-	1.2530249004	3.4727981517
LAL-3B:2/3/2006:SL:S:2:-	1.2203629270	3.4192795429
LAL-5A:6/12/2006:SL:S:2:-	1.3202409752	3.4272993195
LAL-5B:6/12/2006:SL:S:2:-	1.2514881158	3.1041940877
LAL-5C:6/12/2006:SL:S:2:-	1.3318769792	3.5573512875

SD 1 Principal Component Scores	PC Size (Varimax) normalized to 1	
EDA_Sample	PC 1	PC 2
LAL-5D:6/12/2006:SL:S:2:-	1.2868664615	3.2529503717
LAL-6A:6/14/2006:SL:S:2:-	1.3889401622	3.3593716829
LAL-6B:6/14/2006:SL:S:2:-	1.4105019269	3.3503798956
LAL-6D:6/15/2006:SL:S:2:-	1.3593643041	3.4048935742
LAL-7A:6/20/2006:SL:S:2:-	1.3863824596	3.9394540662
LAL-7B:6/20/2006:SL:S:2:-	1.3952578635	3.7677171194
LAL-7D:6/19/2006:SL:S:2:-	1.3756367349	3.8273631356
LAL-8A:6/19/2006:SL:S:2:-	1.3995408539	4.2651350571
LAL-8B:6/21/2006:SL:S:2:-	1.3949387693	4.0316304944
LAL-8D:6/21/2006:SL:S:2:-	1.2511219273	3.6631408595
LAL-9A:6/22/2006:SL:S:2:-	1.2411620547	3.2245143973
LAL-9B:6/22/2006:SL:S:2:-	1.2497140599	3.1373875773
LAL-9D:6/21/2006:SL:S:2:-	1.2686970014	3.3439531535
LK-01:10/26/2007:SD:S:-:-	1.7825550417	4.4104922917
LK-01:6/12/2007:SD:S:-:-	1.7716735459	4.4501419563
LK-01:8/24/2005:SD:S:-:-	2.1755986478	4.7763334667
LK-01-B:6/12/2007:SD:S:-:-	1.5074504371	5.0633305024
LK-02:10/26/2007:SD:S:-:-	1.8619408455	4.8324803180
LK-02:6/12/2007:SD:S:-:-	1.8273433513	5.1175346314
LK-02:8/23/2005:SD:S:-:-	2.0281090685	4.9725544138
LK-02-B:6/12/2007:SD:S:-:-	1.3987639770	4.6504804197
LK-03:10/26/2007:SD:S:-:-	1.0631093300	3.1884590170
LK-03:6/13/2007:SD:S:-:-	1.2642877755	3.7215492275
LK-03:8/23/2005:SD:S:-:-	1.0625991600	3.1330104982
LK-03-B:6/13/2007:SD:S:-:-	1.1838780540	3.3703410157
LK-04:10/26/2007:SD:S:-:-	1.4043443759	3.8035462779
LK-04:6/13/2007:SD:S:-:-	1.7669097945	4.5705055506
LK-04:8/23/2005:SD:S:-:-	1.6561945494	4.2780693217
LKSD-1L-A:3/16/2005:SD:S:-:-	1.5161091144	4.4929844973
LKSD-1L-B:3/16/2005:SD:S:-:-	1.6117665059	4.8953929803
LKSD-2L:3/15/2005:SD:S:-:-	2.9692636959	6.2915288539
LKSD-3L:3/15/2005:SD:S:-:-	1.3877341466	4.8550075962
LKSD-4L:3/15/2005:SD:S:-:-	1.5730338942	4.6057098512
LKSD-5L-A:3/16/2005:SD:S:-:-	1.4029160173	3.8154867002
LKSD-5L-B:3/16/2005:SD:S:-:-	1.2244636252	3.4041696796
LKSD-6L:3/16/2005:SD:S:-:-	1.5265176564	3.8403326004
LKSD-7L:3/15/2005:SD:S:-:-	1.7661984669	5.2076624645
LKSD-8L:3/16/2005:SD:S:-:-	1.5772866498	4.3028199711
LKSD-9L:3/15/2005:SD:S:-:-	1.4730257789	3.6704834713
LKSD-S15:3/17/2005:SD:S:-:-	2.0127391687	6.2569724469
MAN-BC-20D:3/31/2008:CM:S:-:-	1.5072056408	2.0963851467
MAN-BC-20F:3/31/2008:CM:S:-:-	1.8193056337	1.6600311133
MAN-BC-21D:3/31/2008:CM:S:-:-	1.6163515761	2.0993834308
MAN-BC-21F:3/31/2008:CM:S:-:-	1.8445921384	1.0000000000
MAN-BC-22D:4/1/2008:CM:S:-:-	1.7078350212	2.0942620437
MAN-BC-22F:4/1/2008:CM:S:-:-	1.5564577150	2.2370891824
MAN-BC-23D:4/2/2008:CM:S:-:-	1.8970031989	1.8525163925
MAN-BC-23F:4/2/2008:CM:S:-:-	2.1429220360	1.2188219649
MAN-BC-24D:4/3/2008:CM:S:-:-	1.8933525014	2.0985971304
MAN-BC-24F:4/3/2008:CM:S:-:-	2.0644113652	1.5482229274

SD 1 Principal Component Scores	PC Size (Varimax) normalized to 1	
EDA_Sample	PC 1	PC 2
RS-3:10/12/2005:SD:S:-:-	1.2497902153	2.9958746100
SD-006:4/20/2005:SD:S:-:-	1.1457918611	3.5788146811
SD-008:10/12/2005:SD:S:-:-	1.4203525003	3.7515090205
SD-008:4/20/2005:SD:S:-:-	1.2801952439	4.3446432063
SD-027:10/12/2005:SD:S:-:-	1.2828574163	3.3341678736
SD-027:4/19/2005:SD:S:-:-	1.2099391440	3.9314812811
SD-029:10/12/2005:SD:S:-:-	1.2177718824	3.0157185150
SD-029:4/19/2005:SD:S:-:-	1.0861416893	3.4248849200
SD-031:10/11/2005:SD:S:-:-	1.3705182363	4.4261738783
SD-031:4/20/2005:SD:S:-:-	1.1586327901	3.9542308093
SD-033:10/13/2005:SD:S:-:-	2.0214821618	4.2779212428
SD-033:3/2/2005:SD:S:-:-	1.5738608148	6.1266086593
SD-035:3/2/2005:SD:S:-:-	1.6879570435	6.3135756345
SD-059:3/1/2005:SD:S:-:-	1.3362031299	3.4027476685
SD-061:10/13/2005:SD:S:-:-	1.3103016072	3.2629873683
SD-062:10/11/2005:SD:S:-:-	1.5832033974	3.8996316325
SD-063:4/19/2005:SD:S:-:-	1.0969599378	3.6771251368
SD-064:3/3/2005:SD:S:-:-	1.2110535282	3.4917320827
SD-068:3/3/2005:SD:S:-:-	1.3853186233	5.0698839475
SD-083:10/11/2005:SD:S:-:-	1.3201692817	3.2464251767
SD-083:3/2/2005:SD:S:-:-	1.2910204588	3.6320725355
SD-086:3/2/2005:SD:S:-:-	1.2481098194	3.2097483855
SD-092:3/2/2005:SD:S:-:-	1.2515831008	3.5657862096
SD-095:3/2/2005:SD:S:-:-	1.3256540061	4.3749446715
SD-109:3/3/2005:SD:S:-:-	1.2778444117	3.6544716006
SD-111:3/3/2005:SD:S:-:-	1.2153230095	3.6831088250
SD-201:10/12/2005:SD:S:-:-	1.1936150790	3.0383071480
SD-201:4/19/2005:SD:S:-:-	1.0867218603	3.3551965153
SD-202:10/12/2005:SD:S:-:-	2.1687553014	3.9272301917
SD-202:4/20/2005:SD:S:-:-	1.1613730028	4.2169546284
SD-203:10/13/2005:SD:S:-:-	2.0415349338	4.8342624014
SD-203:4/20/2005:SD:S:-:-	1.5916592121	6.7356691741
SD-204:4/20/2005:SD:S:-:-	1.1472154453	3.5546442044
SD-205:4/19/2005:SD:S:-:-	1.1736024339	3.4295761995
SD-206:4/20/2005:SD:S:-:-	1.0845596103	3.7559750989
SD-207:4/20/2005:SD:S:-:-	1.1468866900	4.2103342684
SD-208:4/19/2005:SD:S:-:-	1.3552634547	5.9736326262
SD-210:10/11/2005:SD:S:-:-	1.4484781148	3.3657854367
SD-210:4/18/2005:SD:S:-:-	1.4132356385	5.3567191343
SD-211:4/18/2005:SD:S:-:-	1.2757476456	3.8362890299
SD-212:4/18/2005:SD:S:-:-	1.2879463198	3.8257036625
SD-213:4/18/2005:SD:S:-:-	1.3785245034	3.7278916855
SD-214:4/19/2005:SD:S:-:-	1.3705850950	3.4486137895
SD-301:10/12/2005:SD:S:-:-	1.4223868351	3.9506784364
SD-301:4/20/2005:SD:S:-:-	1.1485699992	3.3334288338
SD-302:4/20/2005:SD:S:-:-	1.3057412640	3.6244294090
SD-303:4/20/2005:SD:S:-:-	1.5036280981	4.3004607500
SD-304:6/25/2005:SD:S:-:-	1.2856538892	4.2789394805
SD-305:6/25/2005:SD:S:-:-	1.3398983738	4.0126946479
SD-306:6/25/2005:SD:S:-:-	1.4193094144	5.0067977628

SD 1 Principal Component Scores	PC Size (Varimax) normalized to 1	
EDA_Sample	PC 1	PC 2
SD-307:6/25/2005:SD:S:-:-	1.1517816763	3.7691264329
SD-308:6/25/2005:SD:S:-:-	1.1283548779	3.3609056565
SD-S03:3/2/2005:SD:S:-:-	1.1908620246	3.3615051154

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
BS-08:8/23/2005:SD:S:-:-	2.3267586045	1.4187971960
BS-117:9/14/2005:SD:S:-:-	2.4551056777	1.7325332197
BS-208:10/12/2005:SD:S:-:-	2.3244552254	1.2405353147
BS-208:9/1/2005:SD:S:-:-	2.1616841311	1.5412537269
BS-28:10/12/2005:SD:S:-:-	1.9884258376	2.3186972441
BS-28:8/23/2005:SD:S:-:-	1.7400084906	2.9637517606
BS-35:10/13/2005:SD:S:-:-	2.2090849369	1.5412832783
BS-35:9/22/2005:SD:S:-:-	2.3174226240	1.8913113002
BS-62A:8/16/2005:SD:S:-:-	2.3107124518	1.4662445728
BS-62A:9/22/2005:SD:S:-:-	2.4155008011	1.8138844303
BS-68:8/19/2005:SD:S:-:-	2.2642981872	1.5078505051
BS-HF04:8/17/2005:SD:S:-:-	1.6605721249	2.8545505238
BS-HF22:8/25/2005:SD:S:-:-	1.4113415906	3.2417587710
BS-HF28A:8/18/2005:SD:S:-:-	2.2459460074	1.5200243326
BS-REF1:8/18/2005:SD:S:-:-	2.0952104247	1.8190091288
BS-REF1:8/30/2005:SD:S:-:-	2.2751554422	1.4587228780
BS-REF2:8/31/2005:SD:S:-:-	1.9801728239	2.2566664420
BS-REF3:8/18/2005:SD:S:-:-	1.9864381160	2.1871200894
BS-REF3:9/1/2005:SD:S:-:-	1.7998558138	2.5720340307
CL-1A:10/24/2006:SL:S:2:-	2.2863792300	1.3692675666
CL-1B:10/24/2006:SL:S:2:-	2.1713833791	1.4402659723
CL-2A:10/24/2006:SL:S:2:-	1.9928880301	2.3119296848
CL-2B:10/24/2006:SL:S:2:-	2.0898075407	2.0911336724
CL-3A:12/12/2006:SL:S:2:-	2.3203147763	1.4241534841
CL-3B:12/12/2006:SL:S:2:-	2.3325359597	1.2452808191
CP-1-A:4/1/2008:SL:S:2:-	2.1740643858	1.6740606825
CP-1-B:4/1/2008:SL:S:2:-	2.0652268119	2.2476251959
CP-2-A:4/2/2008:SL:S:2:-	2.1559452324	2.0447125820
FAC-01:6/20/2006:LT:S:-:-	6.2593058318	4.0013691149
FAC-02:6/21/2006:LT:S:-:-	5.4394784896	5.1254813339
FAC-03:7/6/2006:LT:S:-:-	6.3604400348	4.2420980365
FAC-04:7/12/2006:LT:S:-:-	5.0509601022	3.0809897540
FAC-05:7/12/2006:LT:S:-:-	5.0353152040	3.1628839418
FAC-06:7/20/2006:LT:S:-:-	3.6842993525	2.5925839191
FAC-07:8/3/2006:LT:S:-:-	5.2298636929	3.4831184603
FAC-08:8/15/2006:LT:S:-:-	6.0204990422	4.0035674904
FAC-09:8/31/2006:LT:S:-:-	5.7557558085	3.5230361754
FAC-10:9/22/2006:LT:S:-:-	5.0951158558	2.7704514011
FAC-11:10/17/2007:LT:S:-:-	5.6066722338	3.7159321476
FAC-12:11/30/2007:LT:S:-:-	6.1111063514	4.0192970962
FAC-13:11/29/2007:LT:S:-:-	6.4728193867	4.6871093552
FAC-14:12/7/2007:LT:S:-:-	5.6172464014	4.1243144728
FAC-15:12/12/2007:LT:S:-:-	5.0926208461	2.9323614489
FAC-16:12/14/2007:LT:S:-:-	4.9881727754	2.8512646411
FAC-17:12/19/2007:LT:S:-:-	4.9183560126	2.7455179517
FAC-1A:2/2/2006:LT:S:-:-	5.8836695756	4.3721920383
FAC-1B:2/2/2006:LT:S:-:-	5.8417000738	4.0285641332
FAC-1C:2/2/2006:LT:S:-:-	5.5730161340	3.7697080090
HFS-04:10/11/2005:SD:S:-:-	2.1176884209	1.6596825598
HFS-05:10/11/2005:SD:S:-:-	1.6080814853	2.6719338333

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
HFS-08:10/12/2005:SD:S:-:-	2.3192561080	1.6152091961
HFS-16:10/11/2005:SD:S:-:-	2.1811695497	2.7372848752
HFS-26:10/11/2005:SD:S:-:-	2.0591834258	1.9757384657
LAL-10A:6/26/2006:SL:S:2:-	2.2131825259	1.7882137030
LAL-10B:6/26/2006:SL:S:2:-	2.1514143451	1.6140911301
LAL-11A:6/29/2006:SL:S:2:-	2.2814523087	1.6675544981
LAL-11C:6/28/2006:SL:S:2:-	2.3302194684	1.7643792319
LAL-11D:6/28/2006:SL:S:2:-	2.2268688271	1.9406117004
LAL-12A:7/6/2006:SL:S:2:-	2.1785105172	1.6792672563
LAL-12C:7/7/2006:SL:S:2:-	2.0927767909	1.7980947736
LAL-12D:7/7/2006:SL:S:2:-	2.1353967370	1.8204831012
LAL-13A:7/6/2006:SL:S:2:-	2.4279652868	1.5009962042
LAL-13C:7/7/2006:SL:S:2:-	2.4213332049	1.5298032461
LAL-13D:7/6/2006:SL:S:2:-	2.2912643114	1.4773489431
LAL-14B:7/10/2006:SL:S:2:-	2.2833579324	1.7254409693
LAL-14C:7/11/2006:SL:S:2:-	2.2628438759	1.9244170801
LAL-14D:7/11/2006:SL:S:2:-	2.2979683863	1.7618062275
LAL-15B:7/19/2006:SL:S:2:-	2.3810057505	1.4447638694
LAL-16B:7/17/2006:SL:S:2:-	2.1073907549	2.8608041738
LAL-16C:7/18/2006:SL:S:2:-	2.1581016328	1.9976512669
LAL-16D:7/18/2006:SL:S:2:-	2.1823245252	2.5257268114
LAL-17A:7/17/2006:SL:S:2:-	2.0625366570	1.7837080742
LAL-17C:7/18/2006:SL:S:2:-	2.1884797407	1.6933916327
LAL-17D:7/18/2006:SL:S:2:-	1.9783619269	1.7745137582
LAL-18A:8/16/2006:SL:S:2:-	2.1722215481	1.6922304013
LAL-18B:8/16/2006:SL:S:2:-	2.2112249257	1.6094232170
LAL-18C:8/16/2006:SL:S:2:-	1.8923571742	2.2646528475
LAL-18D:8/31/2006:SL:S:2:-	2.1763236191	1.7227069546
LAL-19B:10/17/2007:SL:S:2:-	2.0425258980	1.9657202366
LAL-19C:10/18/2007:SL:S:2:-	2.0018090922	2.1008870827
LAL-19D:10/18/2007:SL:S:2:-	2.1337830270	1.9403790249
LAL-1A:2/2/2006:SL:S:2:-	2.2202387470	1.5651105375
LAL-20A:11/13/2007:SL:S:2:-	2.2365590364	1.8112322406
LAL-20B:11/14/2007:SL:S:2:-	2.2359451204	1.6440119328
LAL-20C:11/13/2007:SL:S:2:-	2.2393873175	2.0044147405
LAL-21A:12/7/2007:SL:S:2:-	2.3708568900	1.4655441796
LAL-21B:12/6/2007:SL:S:2:-	2.3876182345	1.4478173123
LAL-21D:12/7/2007:SL:S:2:-	2.1402734074	1.9835863738
LAL-22A:12/18/2007:SL:S:2:-	2.1637836813	2.0223404957
LAL-22B:12/18/2007:SL:S:2:-	2.3024063125	1.4924405468
LAL-22C:12/19/2007:SL:S:2:-	2.2296865567	1.5186465375
LAL-23A:12/13/2007:SL:S:2:-	2.2935779590	1.7304555565
LAL-23C:12/14/2007:SL:S:2:-	2.4693533221	1.1687006700
LAL-23D:12/14/2007:SL:S:2:-	2.3840794230	1.6383677850
LAL-2A:2/3/2006:SL:S:2:-	2.2734840566	1.9197325796
LAL-3A:2/3/2006:SL:S:2:-	1.9538121396	2.0649997507
LAL-3B:2/3/2006:SL:S:2:-	2.0525192743	1.8487024846
LAL-5A:6/12/2006:SL:S:2:-	1.9728718083	2.3383354826
LAL-5B:6/12/2006:SL:S:2:-	2.0849496154	2.0380734941
LAL-5C:6/12/2006:SL:S:2:-	2.0738846294	2.2620411675

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
LAL-5D:6/12/2006:SL:S:2:-	2.1109196319	1.9849918616
LAL-6A:6/14/2006:SL:S:2:-	2.3315007889	2.0615264271
LAL-6B:6/14/2006:SL:S:2:-	2.2383081541	2.1603166023
LAL-6D:6/15/2006:SL:S:2:-	2.3054192975	2.0353322582
LAL-7A:6/20/2006:SL:S:2:-	1.7604600026	2.6427894320
LAL-7B:6/20/2006:SL:S:2:-	1.9260789868	2.4741870551
LAL-7D:6/19/2006:SL:S:2:-	1.9721143070	2.3432546733
LAL-8A:6/19/2006:SL:S:2:-	1.8663275632	2.7203376994
LAL-8B:6/21/2006:SL:S:2:-	1.9666426081	2.4916210392
LAL-8D:6/21/2006:SL:S:2:-	2.1895913037	1.8668695409
LAL-9A:6/22/2006:SL:S:2:-	2.1348434231	1.8107400901
LAL-9B:6/22/2006:SL:S:2:-	2.2045781478	1.7564480653
LAL-9D:6/21/2006:SL:S:2:-	2.1226208546	1.8315561695
LK-01:10/26/2007:SD:S:-:-	1.6787019906	3.3616523627
LK-01:6/12/2007:SD:S:-:-	1.7539875988	3.3071524631
LK-01:8/24/2005:SD:S:-:-	1.2844499412	5.1987798499
LK-01-B:6/12/2007:SD:S:-:-	1.5393067346	3.2205833317
LK-02:10/26/2007:SD:S:-:-	1.4694677088	3.7220723434
LK-02:6/12/2007:SD:S:-:-	1.4316895735	3.9652881248
LK-02:8/23/2005:SD:S:-:-	1.1421630994	5.0752894227
LK-02-B:6/12/2007:SD:S:-:-	1.7100937372	2.6332843481
LK-03:10/26/2007:SD:S:-:-	2.3288589377	1.1926687300
LK-03:6/13/2007:SD:S:-:-	1.9800066794	2.1009199474
LK-03:8/23/2005:SD:S:-:-	2.3327925367	1.2573713922
LK-03-B:6/13/2007:SD:S:-:-	2.1069065655	1.6451741936
LK-04:10/26/2007:SD:S:-:-	2.0462853145	2.3072480267
LK-04:6/13/2007:SD:S:-:-	1.5059422798	3.7189194204
LK-04:8/23/2005:SD:S:-:-	1.6204660599	3.6348184773
LKSD-1L-A:3/16/2005:SD:S:-:-	1.6349832181	3.0119706621
LKSD-1L-B:3/16/2005:SD:S:-:-	1.3883110766	3.6287104215
LKSD-2L:3/15/2005:SD:S:-:-	2.6317303153	5.0196875667
LKSD-3L:3/15/2005:SD:S:-:-	1.2161881343	3.4471831465
LKSD-4L:3/15/2005:SD:S:-:-	1.7336324364	3.3894541384
LKSD-5L-A:3/16/2005:SD:S:-:-	1.9401091880	2.4596314784
LKSD-5L-B:3/16/2005:SD:S:-:-	2.2509874202	1.5962622523
LKSD-6L:3/16/2005:SD:S:-:-	1.7587714702	3.1232736502
LKSD-7L:3/15/2005:SD:S:-:-	1.3727532944	4.1383892589
LKSD-8L:3/16/2005:SD:S:-:-	1.3028807826	3.7499537939
LKSD-9L:3/15/2005:SD:S:-:-	2.2989211685	2.2956770117
LKSD-S15:3/17/2005:SD:S:-:-	1.2220941201	5.3968511680
LKT-SED-01:8/11/2005:SD:S:0:-	2.2838899171	3.2456333802
LKT-SED-01:8/11/2005:SD:S:10:-	1.8578629404	3.3719680481
LKT-SED-01:8/11/2005:SD:S:12:-	1.8118943306	3.3843539844
LKT-SED-01:8/11/2005:SD:S:14:-	1.6688759465	3.7064948304
LKT-SED-01:8/11/2005:SD:S:16:-	1.7861110042	3.3596737973
LKT-SED-01:8/11/2005:SD:S:18:-	1.7230194469	3.1980415345
LKT-SED-01:8/11/2005:SD:S:2:-	1.9006790313	3.9516010594
LKT-SED-01:8/11/2005:SD:S:20:-	1.5592102596	3.6005109978
LKT-SED-01:8/11/2005:SD:S:22:-	1.6245656089	3.5375180239
LKT-SED-01:8/11/2005:SD:S:24:-	1.6435499529	3.4633663035

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
LKT-SED-01:8/11/2005:SD:S:26:-	1.7467272443	3.2659003839
LKT-SED-01:8/11/2005:SD:S:28:-	1.8099698249	3.0055188015
LKT-SED-01:8/11/2005:SD:S:30:-	1.6793078140	3.3671883899
LKT-SED-01:8/11/2005:SD:S:32:-	1.7915884822	3.0087909897
LKT-SED-01:8/11/2005:SD:S:34:-	2.1784253932	2.0847636587
LKT-SED-01:8/11/2005:SD:S:36:-	2.2403340684	1.7035844160
LKT-SED-01:8/11/2005:SD:S:4:-	1.8960112038	3.7444514519
LKT-SED-01:8/11/2005:SD:S:6:-	1.8532025573	3.4576330975
LKT-SED-01:8/11/2005:SD:S:8:-	1.9816590713	3.0202719642
LKT-SED-02:8/11/2005:SD:S:-:-	2.0871164773	2.9915600443
LKT-SED-02:8/11/2005:SD:S:10:-	1.8938808676	2.9238670466
LKT-SED-02:8/11/2005:SD:S:12:-	1.8270256498	3.0054074064
LKT-SED-02:8/11/2005:SD:S:14:-	1.8189039034	3.0072262591
LKT-SED-02:8/11/2005:SD:S:16:-	1.8980264191	2.8186192345
LKT-SED-02:8/11/2005:SD:S:18:-	2.1215150719	2.2636635150
LKT-SED-02:8/11/2005:SD:S:2:-	1.9721869194	2.9050894097
LKT-SED-02:8/11/2005:SD:S:20:-	2.1068692731	2.2573943578
LKT-SED-02:8/11/2005:SD:S:22:-	1.7852384273	3.0118430312
LKT-SED-02:8/11/2005:SD:S:24:-	1.8849647256	2.7530206285
LKT-SED-02:8/11/2005:SD:S:26:-	1.9750164592	2.4797918436
LKT-SED-02:8/11/2005:SD:S:28:-	2.0011008060	2.3993908742
LKT-SED-02:8/11/2005:SD:S:30:-	1.8557303666	2.5952839778
LKT-SED-02:8/11/2005:SD:S:34:-	1.7573517999	2.7552137626
LKT-SED-02:8/11/2005:SD:S:38:-	1.9203529579	2.4235842188
LKT-SED-02:8/11/2005:SD:S:4:-	1.9308625809	2.9191867706
LKT-SED-02:8/11/2005:SD:S:42:-	1.7696459516	2.6673190819
LKT-SED-02:8/11/2005:SD:S:46:-	1.7116705677	2.7544851792
LKT-SED-02:8/11/2005:SD:S:50:-	1.9522799552	2.1560272537
LKT-SED-02:8/11/2005:SD:S:54:-	1.9345384951	2.2212923075
LKT-SED-02:8/11/2005:SD:S:6:-	1.8726825642	3.0259937200
LKT-SED-02:8/11/2005:SD:S:8:-	1.9529541017	2.8095998832
LKT-SED-03:8/11/2005:SD:S:-:-	2.5841023996	1.5683937561
LKT-SED-03:8/11/2005:SD:S:10:-	1.5796052163	3.4876369009
LKT-SED-03:8/11/2005:SD:S:12:-	1.5501905171	3.5806354534
LKT-SED-03:8/11/2005:SD:S:14:-	1.6538107986	3.3054633672
LKT-SED-03:8/11/2005:SD:S:16:-	1.5723337645	3.5065787316
LKT-SED-03:8/11/2005:SD:S:18:-	1.6547998428	3.2178332725
LKT-SED-03:8/11/2005:SD:S:2:-	1.7193020591	3.7108695014
LKT-SED-03:8/11/2005:SD:S:20:-	1.6459144533	3.2891347607
LKT-SED-03:8/11/2005:SD:S:22:-	1.7280312595	3.2120956644
LKT-SED-03:8/11/2005:SD:S:24:-	1.7889137911	2.8499794468
LKT-SED-03:8/11/2005:SD:S:26:-	1.7752201870	2.7875808390
LKT-SED-03:8/11/2005:SD:S:28:-	1.5405648839	3.3111934653
LKT-SED-03:8/11/2005:SD:S:30:-	1.5086512038	3.4394540785
LKT-SED-03:8/11/2005:SD:S:32:-	1.7879643971	2.7106894756
LKT-SED-03:8/11/2005:SD:S:4:-	1.7242974064	3.5256659491
LKT-SED-03:8/11/2005:SD:S:6:-	1.6617913636	3.4333512273
LKT-SED-03:8/11/2005:SD:S:8:-	1.5272435475	3.5461975338
LKT-SED-04:8/11/2005:SD:S:-:-	2.0814162810	3.3634858939
LKT-SED-04:8/11/2005:SD:S:10:-	1.6727841218	3.4042543773

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
LKT-SED-04:8/11/2005:SD:S:12:-	1.7300275055	3.1758013796
LKT-SED-04:8/11/2005:SD:S:14:-	1.5674622820	3.5430653724
LKT-SED-04:8/11/2005:SD:S:16:-	1.8763915082	2.5732699270
LKT-SED-04:8/11/2005:SD:S:18:-	1.7542820136	2.9870247041
LKT-SED-04:8/11/2005:SD:S:2:-	2.0797713042	2.6942557713
LKT-SED-04:8/11/2005:SD:S:20:-	1.7540775828	2.9727906305
LKT-SED-04:8/11/2005:SD:S:22:-	1.7829986097	2.9632089238
LKT-SED-04:8/11/2005:SD:S:24:-	1.7770183775	2.9852115876
LKT-SED-04:8/11/2005:SD:S:26:-	1.6878890897	3.1370152385
LKT-SED-04:8/11/2005:SD:S:28:-	1.6406756419	3.3965839063
LKT-SED-04:8/11/2005:SD:S:30:-	1.5213621551	3.5162069629
LKT-SED-04:8/11/2005:SD:S:32:-	1.5819609057	3.4079549924
LKT-SED-04:8/11/2005:SD:S:34:-	1.4893545896	3.5437764113
LKT-SED-04:8/11/2005:SD:S:36:-	1.4590907234	3.5803350077
LKT-SED-04:8/11/2005:SD:S:38:-	1.3380072368	3.8095434343
LKT-SED-04:8/11/2005:SD:S:4:-	1.6547824614	3.6222337005
LKT-SED-04:8/11/2005:SD:S:40:-	1.4762395274	3.4818137925
LKT-SED-04:8/11/2005:SD:S:42:-	1.4708950004	3.5369690223
LKT-SED-04:8/11/2005:SD:S:44:-	1.4958778523	3.4226583239
LKT-SED-04:8/11/2005:SD:S:6:-	1.7123871661	3.1261466934
LKT-SED-04:8/11/2005:SD:S:8:-	1.5730886553	3.4790145542
LKT-SED-05:8/11/2005:SD:S:-:-	1.9698716542	2.5988838053
LKT-SED-05:8/11/2005:SD:S:16:-	1.9053337454	2.7252709328
LKT-SED-05:8/11/2005:SD:S:2:-	1.8088506656	3.2112112092
LKT-SED-05:8/11/2005:SD:S:28:-	1.7619067651	3.1189962755
LKT-SED-05:8/11/2005:SD:S:4:-	2.0145779743	2.6291050669
LKT-SED-05:8/11/2005:SD:S:40:-	1.6405263994	3.3049746450
LKT-SED-05:8/11/2005:SD:S:6:-	1.9027357659	2.8108805683
MAN-BC-20D:3/31/2008:CM:S:-:-	3.4552108677	1.3856818966
MAN-BC-20F:3/31/2008:CM:S:-:-	3.8292503758	2.1191919312
MAN-BC-21D:3/31/2008:CM:S:-:-	3.3163574491	1.3319924537
MAN-BC-21F:3/31/2008:CM:S:-:-	3.1924192261	3.1497807085
MAN-BC-22D:4/1/2008:CM:S:-:-	3.3666043007	1.5414547223
MAN-BC-22F:4/1/2008:CM:S:-:-	3.3351874589	1.0000000000
MAN-BC-23D:4/2/2008:CM:S:-:-	3.6440410643	1.9897443225
MAN-BC-23F:4/2/2008:CM:S:-:-	3.9154566994	2.3726128161
MAN-BC-24D:4/3/2008:CM:S:-:-	3.5211580022	1.5549771809
MAN-BC-24F:4/3/2008:CM:S:-:-	4.0029219311	2.4124151719
RS-3:10/12/2005:SD:S:-:-	2.4489716447	1.1933036200
SD-006:4/20/2005:SD:S:-:-	2.2514709394	1.6546169554
SD-008:10/12/2005:SD:S:-:-	2.1262077819	1.9867179910
SD-008:4/20/2005:SD:S:-:-	1.9742586804	2.1528710348
SD-027:10/12/2005:SD:S:-:-	2.3856693327	1.3949128864
SD-027:4/19/2005:SD:S:-:-	2.2598181485	1.6116148469
SD-029:10/12/2005:SD:S:-:-	2.4305034557	1.1263629309
SD-029:4/19/2005:SD:S:-:-	2.3677012355	1.3463916898
SD-031:10/11/2005:SD:S:-:-	1.8456741783	2.1902216608
SD-031:4/20/2005:SD:S:-:-	2.1918517564	1.6397895577
SD-033:10/13/2005:SD:S:-:-	1.8727407733	3.6702216141
SD-033:3/2/2005:SD:S:-:-	1.2641247500	3.5968764639

SD 6 Principal Component Scores	PC Size (No Rotation) normalized to 1	
EDA_Sample	PC 1	PC 2
SD-035:3/2/2005:SD:S:-:-	1.0807245062	4.1039768648
SD-059:3/1/2005:SD:S:-:-	2.1451567484	1.9850943444
SD-061:10/13/2005:SD:S:-:-	2.3117325529	1.5170307065
SD-062:10/11/2005:SD:S:-:-	1.9816917042	2.6956057849
SD-062-V1:10/11/2005:SD:S:-:-	2.2170687010	1.6378053333
SD-062-V2:10/11/2005:SD:S:-:-	2.1460450100	1.8406720507
SD-063:4/19/2005:SD:S:-:-	2.2342077481	1.4334062821
SD-064:3/3/2005:SD:S:-:-	2.2755493931	1.4837725363
SD-068:3/3/2005:SD:S:-:-	1.5463375880	2.7388541765
SD-083:10/11/2005:SD:S:-:-	2.1519488272	1.6631094416
SD-083:3/2/2005:SD:S:-:-	2.0235492604	2.0299930548
SD-086:3/2/2005:SD:S:-:-	2.2386645154	1.6136872534
SD-092:3/2/2005:SD:S:-:-	2.1506849940	1.8395877824
SD-095:3/2/2005:SD:S:-:-	1.5648724176	2.7091740490
SD-109:3/3/2005:SD:S:-:-	2.0060069247	1.8852348348
SD-111:3/3/2005:SD:S:-:-	2.2272141745	1.5599617979
SD-201:10/12/2005:SD:S:-:-	2.4433045804	1.0808417385
SD-201:4/19/2005:SD:S:-:-	2.3743700974	1.2205112459
SD-202:10/12/2005:SD:S:-:-	2.8922905310	2.6559145142
SD-202:4/20/2005:SD:S:-:-	2.0430438845	1.8263402469
SD-203:10/13/2005:SD:S:-:-	2.0783885243	3.4067190556
SD-203:4/20/2005:SD:S:-:-	1.0000000000	3.9719642430
SD-203-V1:10/13/2005:SD:S:-:-	2.5375709543	3.0577738803
SD-203-V2:10/13/2005:SD:S:-:-	2.1939774831	3.4860755322
SD-204:4/20/2005:SD:S:-:-	2.3084899101	1.4433929521
SD-205:4/19/2005:SD:S:-:-	2.3087451910	1.4033209212
SD-206:4/20/2005:SD:S:-:-	2.1900112379	1.5338568053
SD-207:4/20/2005:SD:S:-:-	1.9788344662	2.0441843628
SD-208:4/19/2005:SD:S:-:-	1.0045834940	3.4718425637
SD-210:10/11/2005:SD:S:-:-	2.2233447763	2.0092392567
SD-210:4/18/2005:SD:S:-:-	1.2345384159	3.1889912460
SD-211:4/18/2005:SD:S:-:-	1.9923375404	2.1186611391
SD-212:4/18/2005:SD:S:-:-	2.1339130284	1.6745783556
SD-213:4/18/2005:SD:S:-:-	2.0610373994	2.1827962512
SD-214:4/19/2005:SD:S:-:-	2.0719915392	2.3217153319
SD-301:10/12/2005:SD:S:-:-	1.8411961159	2.2832861965
SD-301:4/20/2005:SD:S:-:-	2.2063856415	1.6585533000
SD-301:4/4/2005:SD:S:-:-	2.5144898142	1.2400134417
SD-302:4/20/2005:SD:S:-:-	2.2077054399	1.9101800346
SD-302:4/4/2005:SD:S:-:T1	2.4104824590	1.7130200325
SD-302:4/4/2005:SD:S:-:T2	2.2727613724	2.1482586748
SD-303:4/20/2005:SD:S:-:-	2.2322484371	2.4743458806
SD-303:4/4/2005:SD:S:-:-	2.6102371950	1.7260468463
SD-304:6/25/2005:SD:S:-:-	1.9739407537	2.0885949818
SD-305:6/25/2005:SD:S:-:-	2.0551634472	2.0882980747
SD-306:6/25/2005:SD:S:-:-	1.8563291373	2.5830275488
SD-307:6/25/2005:SD:S:-:-	2.2231645862	1.6011086856
SD-308:6/25/2005:SD:S:-:-	2.4976454163	1.2068209467
SD-S03:3/2/2005:SD:S:-:-	2.3217054632	1.3466617082

SW 18 Principal Component Scores	PC Size (No Rotation)	
EDA_Sample	PC 1	PC 2
EOF07:6/5/2005:SW:S:-:-	-0.2365192852	-0.3439592084
EOF07-222:4/13/2007:SW:S:-:-	-0.3566174506	0.3323526927
EOF07-230:4/24/2007:SW:S:-:-	-0.3518057593	-0.5500691233
EOF07-232:4/24/2007:SW:S:-:-	-0.4275540296	0.4915380085
EOF07-259:4/13/2007:SW:S:-:-	-0.4311946068	0.8381554979
EOF07-LOR#1:4/24/2007:SW:S:-:-	-0.3691622589	0.1517585528
EOF09:6/5/2005:SW:S:-:-	-0.3190680906	-0.0295276936
EOF11:6/5/2005:SW:S:-:-	-0.2138671095	0.2896468192
EOF14:6/2/2005:SW:S:-:-	0.1767359448	0.2538489429
EOF15:6/2/2005:SW:S:-:-	-0.4585525002	0.0723530633
EOF16:6/5/2005:SW:S:-:-	-0.3962101376	0.4831555586
EOF17:6/5/2005:SW:S:-:-	-0.4370235602	0.4107669520
EOF18:6/5/2005:SW:S:-:-	-0.4014428376	-0.2936784065
EOF19:6/5/2005:SW:S:-:-	-0.4969311388	-0.0861022016
EOF20:6/5/2005:SW:S:-:-	0.1737885776	0.7501567384
EOF21:6/5/2005:SW:S:-:-	-0.0880689535	-0.5354927746
EOF22:6/5/2005:SW:S:-:-	0.0109555686	-0.5991896983
EOF23:6/5/2005:SW:S:-:-	-0.4882831169	-0.0739529483
EOF24:6/5/2005:SW:S:-:-	-0.3379966905	0.4727080501
EOF25:6/5/2005:SW:S:-:-	-0.3361062414	-0.0517565360
EOF27:6/5/2005:SW:S:-:-	-0.3092334462	1.0025597642
EOF28:6/5/2005:SW:S:-:-	-0.3571394083	0.1056019210
EOF29:6/5/2005:SW:S:-:-	-0.3730129714	3.5664392214
EOF30:6/5/2005:SW:S:-:-	-0.3932433767	0.7617609901
EOF-CP-1A:3/31/2008:SW:S:-:-	-0.4771246506	-0.4170374139
EOF-CP-1B:3/31/2008:SW:S:-:-	-0.3859027991	-0.2036803765
EOF-EOF1:6/17/2006:SW:S:-:-	-0.3543576562	-0.0368158383
EOF-GF1:3/9/2006:SW:S:-:-	-0.5073841848	0.0058340458
EOF-SPREAD002:4/25/2006:SW:S:-:-	-0.2998328604	-0.0571161909
EOF-SPREAD007:4/25/2006:SW:S:-:-	-0.4126970495	0.2899808373
EOF-SPREAD007:5/4/2006:SW:S:-:-	-0.3840975133	-0.2391061044
EOF-SPREAD010:5/9/2006:SW:S:-:-	0.2181645812	0.4991344536
EOF-SPREAD017A:5/1/2006:SW:S:-:-	0.6395836125	1.7639492934
EOF-SPREAD023:4/25/2006:SW:S:-:-	0.6582008387	0.3764019405
EOF-SPREAD023:6/18/2006:SW:S:-:-	0.3345533842	-0.1267780425
EOF-SPREAD025:5/4/2006:SW:S:-:-	-0.4847622698	-0.3670798338
EOF-SPREAD025:6/18/2006:SW:S:-:-	-0.3061408135	-0.7830633414
EOF-SPREAD026:4/25/2006:SW:S:-:-	-0.4163911828	0.5617472879
EOF-SPREAD026:4/29/2006:SW:S:-:-	-0.4840558653	0.0084582936
EOF-SPREAD029:4/25/2006:SW:S:-:-	-0.3524000314	0.6499252905
EOF-SPREAD030:3/31/2006:SW:S:-:-	-0.1899438294	-0.7409894749
EOF-SPREAD036:4/25/2006:SW:S:-:-	-0.3458337863	-0.1644322748
EOF-SPREAD044:6/18/2006:SW:S:-:-	-0.3186409162	-0.6439801518
EOF-SPREAD048:5/9/2006:SW:S:-:-	-0.2389634369	-0.0972977451
EOF-SPREAD052:4/25/2006:SW:S:-:-	-0.3603299118	-0.3681558104
EOF-SPREAD053B:5/4/2006:SW:S:-:-	-0.4040759177	-0.4928272955
EOF-SPREAD053E:4/29/2006:SW:S:-:-	0.3057470759	-0.2570527859
EOF-SPREAD053G:5/4/2006:SW:S:-:-	-0.3338719492	-0.2163190327
EOF-SPREAD059:4/29/2006:SW:S:-:-	-0.3926887839	-0.6226879158
EOF-SPREAD060:4/29/2006:SW:S:-:-	0.2493287889	-0.3556996909
EOF-SPREAD064:5/4/2006:SW:S:-:-	0.3233592554	1.1507572260

SW 18 Principal Component Scores	PC Size (No Rotation)	
EDA_Sample	PC 1	PC 2
EOF-SPREAD065:5/4/2006:SW:S:-:-	-0.4224081739	-0.5535931595
EOF-SPREAD068:6/18/2006:SW:S:-:-	-0.3274944240	-0.6931275178
EOF-SPREAD071:5/10/2006:SW:S:-:-	-0.3998894929	-0.5468109902
EOF-ZPEOF001:4/25/2006:SW:S:-:-	-0.2693319851	1.0559510888
EOF-ZPEOF030:4/25/2006:SW:S:-:-	-0.3237620204	-0.4296738496
FAC-16:12/14/2007:SW:S:-:(SPLP-20-1)	6.6046090702	0.8160398639
FAC-17:12/19/2007:SW:S:-:(SPLP-20-1)	4.8000459072	-1.1335453877
MAN-BC-20D:3/31/2008:SW:S:-:(SPLP-20-1)	0.1629937791	-0.8003285843
MAN-BC-20F:3/31/2008:SW:S:-:(SPLP-20-1)	0.4791442469	-0.8362012988
MAN-BC-21D:3/31/2008:SW:S:-:(SPLP-20-1)	-0.1942627397	-0.6248799015
MAN-BC-21F:3/31/2008:SW:S:-:(SPLP-20-1)	0.2657769774	-0.3745529046
MAN-BC-22D:4/1/2008:SW:S:-:(SPLP-20-1)	0.0650028375	-0.6740337671
MAN-BC-22F:4/1/2008:SW:S:-:(SPLP-20-1)	0.5280430884	-0.4603343637
MAN-BC-23D:4/2/2008:SW:S:-:(SPLP-20-1)	0.4233648277	-0.6580011238
MAN-BC-23F:4/2/2008:SW:S:-:(SPLP-20-1)	0.5462788518	-0.6220516353