theta=0

Perterb=0   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.100004	0.002598	0.102602	128	128	63	31	0
0.100325	0.002593	0.102918	128	128	63	31	0
0.100345	0.002573	0.102918	128	128	63	31	0
0.100430	0.002582	0.103012	128	128	63	31	0
0.100625	0.002529	0.103154	128	128	63	31	0
0.100660	0.002542	0.103202	128	128	63	31	0
0.100650	0.002563	0.103213	128	128	63	31	0
0.100730	0.002532	0.103262	128	128	63	31	0
0.100705	0.002569	0.103274	128	128	63	31	0
0.100715	0.002592	0.103307	128	128	63	31	0
0.100794	0.002596	0.103390	128	128	63	31	0
0.100871	0.002536	0.103407	128	128	63	31	0
0.100850	0.002592	0.103442	128	128	63	31	0
0.100877	0.002591	0.103468	128	128	63	31	0
0.101024	0.002523	0.103547	128	128	63	31	0
0.101010	0.002597	0.103607	128	128	63	31	0
0.101064	0.002612	0.103676	128	128	63	31	0
0.101109	0.002606	0.103715	128	128	63	31	0
0.101214	0.002519	0.103733	128	128	63	31	0
0.101306	0.002544	0.103850	128	128	63	31	0

Avg Timing   0.103347

Perterb=1   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.105169	0.002584	0.107753	127	127	63	31	0
0.105247	0.002590	0.107837	127	127	63	31	0
0.105228	0.002642	0.107870	127	127	63	31	0
0.105321	0.002586	0.107907	127	127	63	31	0
0.105412	0.002541	0.107953	127	127	63	31	0
0.105528	0.002592	0.108120	127	127	63	31	0
0.105591	0.002537	0.108128	127	127	63	31	0
0.105639	0.002542	0.108181	127	127	63	31	0
0.105649	0.002577	0.108226	127	127	63	31	0
0.105600	0.002660	0.108260	127	127	63	31	0
0.105753	0.002563	0.108316	127	127	63	31	0
0.105809	0.002533	0.108342	127	127	63	31	0
0.105840	0.002530	0.108370	127	127	63	31	0
0.105844	0.002527	0.108371	127	127	63	31	0
0.105835	0.002539	0.108374	127	127	63	31	0
0.105834	0.002548	0.108382	127	127	63	31	0
0.105885	0.002573	0.108458	127	127	63	31	0
0.105920	0.002589	0.108509	127	127	63	31	0
0.106103	0.002581	0.108684	127	127	63	31	0
0.107028	0.002571	0.109599	127	127	63	31	0

Avg Timing   0.108238

theta=0

Perterb=0   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.400437	0.002566	0.403003	127	127	63	31	35
0.401137	0.002567	0.403704	127	127	63	31	35
0.401569	0.002563	0.404132	128	127	63	31	24
0.401991	0.002557	0.404548	128	127	63	31	24
0.403911	0.002728	0.406639	127	128	64	31	69
0.404586	0.002542	0.407128	128	128	106	40	50
0.405482	0.002570	0.408052	128	128	103	52	29
0.405725	0.002558	0.408283	128	127	63	31	42
0.406670	0.002568	0.409238	127	128	115	40	48
0.407915	0.002540	0.410455	128	128	64	31	51
0.408331	0.002570	0.410901	128	128	103	52	29
0.408603	0.002585	0.411188	128	128	103	52	29
0.409537	0.002577	0.412114	127	128	115	40	48
0.409791	0.002534	0.412325	128	128	63	31	59
0.410166	0.002559	0.412725	128	127	63	31	42
0.410345	0.002527	0.412872	128	127	63	32	50
0.410781	0.002574	0.413355	128	128	106	40	50
0.411719	0.002588	0.414307	128	128	63	31	59
0.413477	0.002578	0.416055	128	127	63	32	50
0.414718	0.002614	0.417332	128	128	64	31	51

Avg Timing   0.409890

Perterb=1   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.400327	0.002566	0.402893	127	127	99	37	41
0.400809	0.002560	0.403369	127	127	99	37	41
0.400834	0.002545	0.403379	127	127	63	31	0
0.401494	0.002565	0.404059	127	127	63	31	0
0.401608	0.002580	0.404188	128	128	108	53	34
0.402255	0.002572	0.404827	129	127	95	44	43
0.402447	0.002578	0.405025	128	128	108	53	34
0.405633	0.002598	0.408231	128	127	93	48	44
0.406069	0.002550	0.408619	127	127	117	48	51
0.406266	0.002554	0.408820	128	127	131	42	38
0.406391	0.002594	0.408985	127	127	117	48	51
0.406820	0.002560	0.409380	127	127	63	31	0
0.407250	0.002579	0.409829	128	127	89	33	52
0.407900	0.002613	0.410513	128	128	108	53	34
0.408381	0.002550	0.410931	129	127	95	44	43
0.409832	0.002564	0.412396	127	127	63	31	0
0.410496	0.002546	0.413042	128	127	93	48	44
0.411229	0.002590	0.413819	128	127	89	33	52
0.411659	0.002572	0.414231	126	127	87	36	39
0.412596	0.002554	0.415150	126	127	87	36	39

Avg Timing   0.408536

theta=0

Perterb=0   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.329865	0.002525	0.332390	117	130	127	61	47
0.330144	0.002567	0.332711	117	130	127	61	47
0.331097	0.002562	0.333659	128	135	129	56	38
0.331189	0.002561	0.333750	128	135	129	56	38
0.331313	0.002565	0.333878	117	130	127	61	47
0.333872	0.002558	0.336430	133	139	128	80	42
0.334035	0.002570	0.336605	117	125	138	62	38
0.334059	0.002575	0.336634	120	128	95	67	40
0.334190	0.002584	0.336774	128	135	129	56	38
0.334238	0.002590	0.336828	117	125	138	62	38
0.336043	0.002572	0.338615	140	124	148	81	42
0.336657	0.002569	0.339226	129	170	159	57	46
0.338242	0.002530	0.340772	129	170	159	57	46
0.338285	0.002544	0.340829	120	128	95	67	40
0.339337	0.002574	0.341911	133	139	128	80	42
0.339540	0.002568	0.342108	140	124	148	81	42
0.340036	0.002577	0.342613	129	170	159	57	46
0.341136	0.002576	0.343712	95	112	118	55	45
0.343303	0.002528	0.345831	95	112	118	55	45
0.348044	0.002598	0.350642	95	112	118	55	45

Avg Timing   0.338494

Perterb=1   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.335953	0.002545	0.338498	134	123	136	68	33
0.336348	0.002541	0.338889	128	109	117	61	37
0.337765	0.002580	0.340345	134	123	136	68	33
0.338703	0.002588	0.341291	124	124	145	54	48
0.338984	0.002534	0.341518	112	123	115	70	55
0.339011	0.002574	0.341585	134	123	136	68	33
0.339346	0.002568	0.341914	134	123	119	66	40
0.339530	0.002576	0.342106	112	123	115	70	55
0.340213	0.002656	0.342869	112	123	115	70	55
0.340693	0.002563	0.343256	124	124	145	54	48
0.341612	0.002643	0.344255	128	109	117	61	37
0.341743	0.002637	0.344380	134	123	119	66	40
0.341954	0.002593	0.344547	136	129	124	86	43
0.342091	0.002523	0.344614	124	124	145	54	48
0.342639	0.002563	0.345202	136	129	124	86	43
0.342662	0.002606	0.345268	139	120	94	67	42
0.343198	0.002593	0.345791	139	120	94	67	42
0.343449	0.002536	0.345985	127	109	124	75	40
0.347007	0.002616	0.349623	139	120	94	67	42
0.347193	0.002564	0.349757	127	109	124	75	40

Avg Timing   0.343524

theta=30

Perterb=0   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.099014	0.002566	0.101580	127	127	63	31	30
0.099213	0.002571	0.101784	127	127	63	31	30
0.099263	0.002571	0.101833	127	127	63	31	30
0.099275	0.002580	0.101856	127	127	63	31	30
0.099636	0.002586	0.102222	127	127	63	31	30
0.099718	0.002554	0.102271	127	127	63	31	30
0.099751	0.002552	0.102303	127	127	63	31	30
0.099959	0.002531	0.102490	127	127	63	31	30
0.099951	0.002570	0.102521	127	127	63	31	30
0.099970	0.002616	0.102586	127	127	63	31	30
0.100080	0.002526	0.102606	127	127	63	31	30
0.100038	0.002584	0.102622	127	127	63	31	30
0.100278	0.002593	0.102871	127	127	63	31	30
0.100913	0.002552	0.103465	127	127	63	31	30
0.100943	0.002558	0.103501	127	127	63	31	30
0.101028	0.002573	0.103601	127	127	63	31	30
0.101122	0.002541	0.103663	127	127	63	31	30
0.101218	0.002558	0.103776	127	127	63	31	30
0.101359	0.002570	0.103929	127	127	63	31	30
0.101480	0.002543	0.104023	127	127	63	31	30

Avg Timing   0.102772

Perterb=1   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.104989	0.002549	0.107538	127	127	63	31	30
0.105231	0.002528	0.107759	127	127	63	31	30
0.105349	0.002532	0.107881	127	127	63	31	30
0.105384	0.002564	0.107948	127	127	63	31	30
0.105420	0.002559	0.107979	127	127	63	31	30
0.105613	0.002566	0.108179	127	127	63	31	30
0.105626	0.002563	0.108189	127	127	63	31	30
0.105638	0.002584	0.108222	127	127	63	31	30
0.105666	0.002591	0.108257	127	127	63	31	30
0.105747	0.002528	0.108275	127	127	63	31	30
0.105831	0.002567	0.108398	127	127	63	31	30
0.105891	0.002568	0.108459	127	127	63	31	30
0.106075	0.002523	0.108598	127	127	63	31	30
0.106062	0.002581	0.108643	127	127	63	31	30
0.106344	0.002529	0.108873	127	127	63	31	30
0.106523	0.002583	0.109106	127	127	63	31	30
0.106513	0.002602	0.109115	127	127	63	31	30
0.106585	0.002541	0.109126	127	127	63	31	30
0.106614	0.002547	0.109161	127	127	63	31	30
0.106645	0.002551	0.109196	127	127	63	31	30

Avg Timing   0.108454

Perterb=0   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.392930	0.002630	0.395560	128	128	63	31	30
0.395555	0.002572	0.398127	128	128	63	31	35
0.395952	0.002594	0.398546	127	127	63	31	33
0.396071	0.002579	0.398650	128	128	63	31	40
0.396315	0.002537	0.398852	127	127	63	31	31
0.396303	0.002589	0.398892	128	128	63	31	40
0.396550	0.002561	0.399111	127	127	63	31	31
0.396710	0.002541	0.399251	128	128	63	31	40
0.397252	0.002542	0.399794	128	128	63	31	35
0.397337	0.002594	0.399931	128	128	63	31	30
0.398387	0.002558	0.400945	127	127	63	31	29
0.399412	0.002559	0.401971	127	127	63	31	33
0.400549	0.002564	0.403113	128	128	63	32	35
0.400949	0.002574	0.403523	127	127	63	31	24
0.401708	0.002519	0.404227	127	127	63	31	29
0.401681	0.002556	0.404237	127	127	63	32	47
0.402031	0.002536	0.404567	127	127	63	31	29
0.402091	0.002581	0.404672	127	127	63	32	47
0.402243	0.002630	0.404873	128	128	63	32	35
0.405609	0.002529	0.408138	127	127	63	31	24

Avg Timing   0.401293

Perterb=1   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.393938	0.002578	0.396516	127	127	62	32	31
0.394278	0.002580	0.396858	129	128	110	53	39
0.394742	0.002556	0.397298	127	127	118	56	30
0.394909	0.002558	0.397467	127	127	63	32	31
0.395583	0.002558	0.398141	127	127	63	31	41
0.396141	0.002537	0.398678	127	127	63	31	31
0.396318	0.002523	0.398841	127	127	63	32	31
0.396610	0.002545	0.399155	127	127	118	56	30
0.397022	0.002520	0.399542	127	127	63	32	31
0.397227	0.002563	0.399790	127	127	118	56	30
0.398679	0.002576	0.401255	129	128	110	53	39
0.398761	0.002583	0.401344	127	127	63	31	41
0.399278	0.002573	0.401851	127	127	63	31	31
0.400614	0.002555	0.403169	127	127	63	32	19
0.401245	0.002558	0.403803	128	127	103	45	25
0.402120	0.002557	0.404677	128	127	103	45	25
0.403071	0.002586	0.405657	127	127	62	31	31
0.405201	0.002542	0.407743	127	127	62	31	31
0.405348	0.002564	0.407912	127	128	63	31	25
0.405569	0.002569	0.408138	127	128	63	31	25

Avg Timing   0.401288

Perterb=0   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.323524	0.002577	0.326101	132	119	108	53	55
0.324788	0.002564	0.327352	132	119	108	53	55
0.324860	0.002545	0.327405	132	119	108	53	55
0.332165	0.002576	0.334741	132	137	134	72	50
0.332967	0.002597	0.335564	140	136	122	74	35
0.333386	0.002602	0.335988	124	117	127	89	67
0.333531	0.002585	0.336116	144	118	107	57	66
0.335862	0.002597	0.338459	124	117	127	89	67
0.335931	0.002590	0.338521	140	136	122	74	35
0.335986	0.002558	0.338544	132	137	134	72	50
0.336244	0.002580	0.338824	157	118	139	56	58
0.336554	0.002620	0.339174	157	118	139	56	58
0.336849	0.002517	0.339366	136	137	118	47	49
0.337199	0.002543	0.339742	157	118	139	56	58
0.338396	0.002559	0.340955	139	128	120	68	61
0.340682	0.002590	0.343272	136	137	118	47	49
0.340912	0.002533	0.343445	128	131	130	79	31
0.340871	0.002584	0.343455	139	128	120	68	61
0.342111	0.002601	0.344712	128	131	130	79	31
0.343843	0.002582	0.346425	128	131	130	79	31

Avg Timing   0.338091

Perterb=1   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.332245	0.002573	0.334818	136	127	131	50	27
0.332798	0.002580	0.335378	116	114	142	39	39
0.334336	0.002583	0.336919	136	127	131	50	27
0.334481	0.002530	0.337011	127	142	117	60	48
0.335560	0.002602	0.338162	144	100	123	76	48
0.336442	0.002534	0.338976	120	123	102	50	20
0.336820	0.002634	0.339454	136	125	112	64	60
0.336969	0.002538	0.339507	136	127	131	50	27
0.336958	0.002599	0.339557	136	125	112	64	60
0.337808	0.002541	0.340349	144	100	123	76	48
0.338302	0.002560	0.340862	129	126	119	65	42
0.339934	0.002537	0.342471	127	142	117	60	48
0.340846	0.002609	0.343455	126	105	125	82	46
0.342262	0.002576	0.344838	127	113	120	66	49
0.342506	0.002598	0.345104	126	105	125	82	46
0.343334	0.002581	0.345915	127	113	120	66	49
0.343826	0.002632	0.346458	120	123	102	50	20
0.343970	0.002563	0.346533	129	126	119	65	42
0.344121	0.002575	0.346696	144	100	123	76	48
0.348070	0.002535	0.350605	127	113	120	66	49

Avg Timing   0.341536

Perterb=0   **Bg Noise=0**

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.100277	0.002534	0.102811	127	127	63	32	44
0.100265	0.002552	0.102817	127	127	63	32	44
0.100367	0.002587	0.102954	127	127	63	32	44
0.100461	0.002529	0.102990	127	127	63	32	44
0.100454	0.002588	0.103042	127	127	63	32	44
0.100529	0.002530	0.103059	127	127	63	32	44
0.100574	0.002520	0.103094	127	127	63	32	44
0.100475	0.002626	0.103101	127	127	63	32	44
0.100576	0.002537	0.103113	127	127	63	32	44
0.100578	0.002564	0.103142	127	127	63	32	44
0.100598	0.002561	0.103159	127	127	63	32	44
0.100626	0.002561	0.103187	127	127	63	32	44
0.100693	0.002564	0.103257	127	127	63	32	44
0.100733	0.002551	0.103284	127	127	63	32	44
0.100769	0.002531	0.103300	127	127	63	32	44
0.100749	0.002589	0.103338	127	127	63	32	44
0.100912	0.002538	0.103450	127	127	63	32	44
0.101002	0.002560	0.103562	127	127	63	32	44
0.101130	0.002558	0.103688	127	127	63	32	44
0.101227	0.002563	0.103790	127	127	63	32	44

Avg Timing   0.103196

Perterb=1   **Bg Noise=0**

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.105114	0.002542	0.107656	127	127	62	32	45
0.105151	0.002541	0.107692	127	127	62	32	45
0.105161	0.002568	0.107729	127	127	62	32	45
0.105166	0.002577	0.107743	127	127	62	32	44
0.105239	0.002563	0.107802	127	127	62	32	45
0.105274	0.002585	0.107859	127	127	63	32	44
0.105404	0.002535	0.107939	127	127	62	32	45
0.105449	0.002554	0.108003	127	127	62	32	44
0.105460	0.002550	0.108010	127	127	63	32	45
0.105442	0.002568	0.108010	127	127	62	32	45
0.105546	0.002568	0.108114	127	127	63	32	44
0.105494	0.002627	0.108121	127	127	62	32	44
0.105655	0.002541	0.108196	127	127	62	32	44
0.105655	0.002567	0.108222	127	127	63	32	44
0.105681	0.002559	0.108240	127	127	62	32	45
0.105936	0.002544	0.108480	127	127	63	32	44
0.105946	0.002539	0.108485	127	127	63	32	44
0.105961	0.002584	0.108545	127	127	63	32	44
0.106114	0.002536	0.108650	127	127	62	32	44
0.106136	0.002562	0.108698	127	127	63	32	44

Avg Timing   0.108102

theta=45

Perterb=0   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.387126	0.002553	0.389679	127	127	63	31	45
0.387573	0.002561	0.390134	127	127	63	31	45
0.389553	0.002593	0.392146	127	127	105	55	46
0.391217	0.002561	0.393778	128	128	126	58	45
0.391610	0.002522	0.394132	127	127	105	55	46
0.391721	0.002579	0.394300	128	128	62	32	44
0.393310	0.002533	0.395843	127	127	103	42	30
0.393264	0.002639	0.395903	128	128	126	58	45
0.393458	0.002569	0.396027	127	127	63	32	54
0.394996	0.002586	0.397582	128	128	62	32	44
0.395992	0.002563	0.398555	127	127	123	53	34
0.396001	0.002560	0.398561	127	127	103	42	30
0.396167	0.002564	0.398731	127	127	123	53	34
0.396314	0.002550	0.398864	128	128	63	32	38
0.397289	0.002532	0.399821	127	127	63	32	54
0.398062	0.002585	0.400647	128	128	129	48	43
0.400259	0.002540	0.402799	128	127	63	32	45
0.401642	0.002560	0.404202	127	127	103	42	30
0.403019	0.002595	0.405614	128	128	129	48	43
0.403364	0.002518	0.405882	127	127	123	53	34

Avg Timing   0.397647

Perterb=1   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.392673	0.002569	0.395242	127	127	105	45	40
0.393503	0.002568	0.396071	127	127	99	42	55
0.395013	0.002538	0.397551	128	128	115	60	49
0.395106	0.002531	0.397637	127	127	105	45	40
0.396988	0.002578	0.399566	127	127	99	42	55
0.397584	0.002555	0.400139	129	128	63	31	35
0.397587	0.002567	0.400154	129	128	63	31	35
0.397898	0.002529	0.400427	128	127	93	50	29
0.398047	0.002582	0.400629	126	126	61	32	44
0.398599	0.002566	0.401165	128	128	115	60	49
0.399144	0.002578	0.401722	128	128	93	34	36
0.399237	0.002583	0.401820	128	128	93	34	36
0.399409	0.002554	0.401963	129	128	63	31	35
0.399610	0.002544	0.402154	126	126	61	32	44
0.399617	0.002581	0.402198	127	126	66	30	45
0.399830	0.002534	0.402364	125	125	63	30	33
0.400631	0.002566	0.403197	127	126	66	30	45
0.402941	0.002536	0.405477	125	125	63	30	33
0.406994	0.002588	0.409582	127	127	62	32	40
0.407486	0.002599	0.410085	127	127	62	32	40

Avg Timing   0.401323

Perterb=0   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.333994	0.002576	0.336570	146	134	143	46	47
0.334125	0.002571	0.336696	123	127	131	47	60
0.334498	0.002576	0.337074	146	134	143	46	47
0.334608	0.002582	0.337190	122	125	120	73	55
0.335390	0.002588	0.337978	143	144	127	72	52
0.335611	0.002593	0.338204	123	117	123	67	52
0.335729	0.002593	0.338322	143	144	127	72	52
0.336027	0.002552	0.338579	123	127	131	47	60
0.336321	0.002571	0.338892	143	144	127	72	52
0.336401	0.002550	0.338951	128	151	121	46	45
0.338261	0.002533	0.340794	137	128	130	63	42
0.338230	0.002587	0.340817	129	135	104	87	49
0.338812	0.002528	0.341340	129	135	104	87	49
0.339083	0.002558	0.341641	128	151	121	46	45
0.339203	0.002555	0.341758	137	128	130	63	42
0.339346	0.002564	0.341910	129	135	104	87	49
0.339417	0.002583	0.342000	124	121	125	62	45
0.339514	0.002683	0.342197	137	128	130	63	42
0.340039	0.002561	0.342600	123	117	123	67	52
0.341592	0.002567	0.344159	124	121	125	62	45

Avg Timing   0.339830

Perterb=1   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.331597	0.002545	0.334142	133	126	139	45	47
0.331956	0.002587	0.334543	159	115	152	66	48
0.332016	0.002599	0.334615	159	115	152	66	48
0.333110	0.002575	0.335685	133	126	139	45	47
0.334212	0.002565	0.336777	137	126	134	72	39
0.334415	0.002562	0.336977	137	126	134	72	39
0.334514	0.002546	0.337060	133	126	139	45	47
0.334629	0.002579	0.337208	159	115	152	66	48
0.336413	0.002536	0.338949	123	135	137	67	38
0.336385	0.002576	0.338961	137	106	126	54	40
0.336653	0.002562	0.339215	141	135	122	63	56
0.336989	0.002566	0.339555	123	135	137	67	38
0.337060	0.002520	0.339580	130	108	119	84	31
0.337190	0.002553	0.339743	122	139	149	64	46
0.338933	0.002578	0.341511	144	107	127	58	47
0.338978	0.002559	0.341537	144	107	127	58	47
0.340509	0.002625	0.343134	137	106	126	54	40
0.341237	0.002552	0.343789	141	135	122	63	56
0.342275	0.002578	0.344853	123	135	137	67	38
0.343173	0.002549	0.345722	122	139	149	64	46

Avg Timing   0.339094

theta=60

Perterb=0   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.099675	0.002571	0.102246	127	127	63	31	59
0.099800	0.002561	0.102362	127	127	63	31	59
0.099890	0.002561	0.102451	127	127	63	31	59
0.099992	0.002562	0.102554	127	127	63	31	59
0.099987	0.002589	0.102576	127	127	63	31	59
0.100023	0.002569	0.102592	127	127	63	31	59
0.100135	0.002585	0.102720	127	127	63	31	59
0.100442	0.002527	0.102969	127	127	63	31	59
0.100515	0.002551	0.103066	127	127	63	31	59
0.100633	0.002595	0.103228	127	127	63	31	59
0.100697	0.002557	0.103254	127	127	63	31	59
0.100682	0.002580	0.103262	127	127	63	31	59
0.100772	0.002527	0.103299	127	127	63	31	59
0.100748	0.002562	0.103310	127	127	63	31	59
0.100903	0.002557	0.103460	127	127	63	31	59
0.100974	0.002582	0.103556	127	127	63	31	59
0.101037	0.002588	0.103625	127	127	63	31	59
0.101098	0.002568	0.103666	127	127	63	31	59
0.101426	0.002591	0.104017	127	127	63	31	59
0.102768	0.002539	0.105307	127	127	63	31	59

Avg Timing   0.103109

Perterb=1   Bg Noise=0

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.104027	0.002573	0.106600	127	127	63	31	59
0.104092	0.002569	0.106661	127	127	63	31	59
0.104169	0.002576	0.106745	127	127	63	31	59
0.104278	0.002586	0.106864	127	127	63	31	59
0.104515	0.002584	0.107099	127	127	63	31	59
0.104698	0.002536	0.107234	127	127	63	31	59
0.104796	0.002532	0.107328	127	127	63	31	59
0.104842	0.002581	0.107423	127	127	63	31	59
0.104858	0.002577	0.107435	127	127	63	31	59
0.104916	0.002534	0.107450	127	127	63	31	59
0.104933	0.002533	0.107466	127	127	63	31	59
0.105060	0.002562	0.107622	127	127	63	31	59
0.105124	0.002528	0.107652	127	127	63	31	59
0.105152	0.002540	0.107692	127	127	63	31	59
0.105149	0.002569	0.107718	127	127	63	31	59
0.105392	0.002569	0.107961	127	127	63	31	59
0.105449	0.002530	0.107979	127	127	63	31	59
0.105539	0.002587	0.108126	127	127	63	31	59
0.105808	0.002581	0.108389	127	127	63	31	59
0.105842	0.002569	0.108411	127	127	63	31	59

Avg Timing   0.107491

theta=60

Perterb=0   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.393085	0.002609	0.395694	128	128	63	32	49
0.394997	0.002572	0.397569	128	128	63	31	53
0.395099	0.002557	0.397656	128	128	63	31	47
0.396095	0.002622	0.398717	127	128	63	31	38
0.396204	0.002531	0.398735	128	128	63	32	49
0.396220	0.002528	0.398748	128	128	63	31	53
0.396318	0.002592	0.398910	128	128	63	31	35
0.396631	0.002571	0.399202	127	128	116	48	43
0.397601	0.002540	0.400141	127	128	116	48	43
0.397919	0.002573	0.400492	127	128	63	32	42
0.398077	0.002579	0.400656	127	127	117	62	43
0.398667	0.002561	0.401228	127	127	112	68	31
0.398790	0.002532	0.401322	127	127	117	62	43
0.399741	0.002561	0.402302	127	128	63	31	38
0.399827	0.002541	0.402368	127	128	63	32	42
0.400134	0.002551	0.402685	128	128	63	31	47
0.400361	0.002584	0.402945	127	127	112	68	31
0.401547	0.002586	0.404133	128	128	114	52	55
0.402193	0.002595	0.404788	128	128	63	31	35
0.409768	0.002607	0.412375	128	128	114	52	55

Avg Timing   0.400700

Perterb=1   Bg Noise=1%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.393616	0.002599	0.396215	127	128	102	35	36
0.395400	0.002533	0.397933	127	127	103	33	41
0.396398	0.002570	0.398968	128	128	87	57	48
0.396687	0.002537	0.399224	128	128	87	57	48
0.396677	0.002559	0.399236	126	127	108	59	39
0.396851	0.002538	0.399389	128	128	87	57	48
0.397009	0.002589	0.399598	126	127	108	59	39
0.397249	0.002603	0.399852	127	128	102	35	36
0.397341	0.002576	0.399917	126	126	62	32	41
0.398044	0.002565	0.400609	127	127	97	49	57
0.398204	0.002584	0.400788	127	127	103	33	41
0.398307	0.002592	0.400899	127	127	84	57	44
0.400882	0.002583	0.403465	126	126	62	32	41
0.401249	0.002606	0.403855	127	127	97	49	57
0.401348	0.002518	0.403866	127	128	63	31	60
0.401313	0.002590	0.403903	128	128	114	35	39
0.402814	0.002566	0.405380	127	127	84	57	44
0.404243	0.002558	0.406801	127	128	63	31	60
0.409439	0.002536	0.411975	128	128	114	35	39
0.410460	0.002566	0.413026	127	127	104	36	46

Avg Timing   0.401981

theta=60

Perterb=0   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.333226	0.002568	0.335794	133	126	127	74	44
0.333178	0.002628	0.335806	121	146	113	77	47
0.333274	0.002539	0.335813	131	119	121	80	38
0.333560	0.002528	0.336088	133	126	127	74	44
0.333666	0.002560	0.336226	113	102	117	67	49
0.333854	0.002567	0.336421	110	135	132	59	27
0.334627	0.002583	0.337210	138	119	136	68	42
0.334799	0.002563	0.337362	121	146	113	77	47
0.334965	0.002529	0.337494	110	135	132	59	27
0.334972	0.002619	0.337591	113	102	117	67	49
0.335295	0.002582	0.337877	113	102	117	67	49
0.335375	0.002541	0.337916	138	119	136	68	42
0.335342	0.002611	0.337953	127	128	130	66	30
0.335524	0.002547	0.338071	131	119	121	80	38
0.336034	0.002583	0.338617	110	135	132	59	27
0.336109	0.002522	0.338631	135	120	135	67	51
0.337578	0.002601	0.340179	127	128	130	66	30
0.337595	0.002622	0.340217	127	128	130	66	30
0.337802	0.002589	0.340391	132	96	128	57	33
0.338387	0.002562	0.340949	132	96	128	57	33

Avg Timing   0.337770

Perterb=1   Bg Noise=10%

Gather Evidence	Process Accum	Total Timing	Center X	Center Y	Long Axis	Short Axis	Theta
0.334415	0.002556	0.336971	116	131	124	42	55
0.334890	0.002556	0.337446	127	89	116	63	36
0.335575	0.002579	0.338154	127	89	116	63	36
0.335830	0.002564	0.338394	125	130	131	64	42
0.336335	0.002587	0.338922	128	120	109	69	17
0.337294	0.002575	0.339869	128	120	109	69	17
0.337721	0.002562	0.340283	132	118	115	55	46
0.337765	0.002541	0.340306	126	122	148	67	51
0.337804	0.002614	0.340418	125	130	131	64	42
0.338656	0.002541	0.341197	136	125	131	71	50
0.338758	0.002573	0.341331	132	134	92	56	49
0.338789	0.002557	0.341346	136	125	131	71	50
0.339162	0.002551	0.341713	132	134	92	56	49
0.339292	0.002529	0.341821	136	125	131	71	50
0.339656	0.002582	0.342238	126	122	148	67	51
0.339835	0.002576	0.342411	126	122	148	67	51
0.340031	0.002582	0.342613	128	120	109	69	17
0.340483	0.002534	0.343017	132	118	115	55	46
0.341022	0.002597	0.343619	132	118	115	55	46
0.341742	0.002550	0.344292	124	118	125	100	52

Avg Timing   0.340839