

Day	T (upper)	T (lower)	dT (upper - lower)	e (lower)	e (upper)	LE
8/1/01 9:20 AM	23.074	23.536	-0.46	3.3251	3.3264	125.78
8/1/01 9:40 AM	23.661	24.256	-0.59	3.3841	3.373	146.33
8/1/01 10:00 AM	24.48	25.018	-0.54	3.5268	3.5113	160.1
8/1/01 10:20 AM	24.482	25.883	-1.40	3.6995	3.6808	205.31
8/1/01 10:40 AM	24.896	27.088	-2.19	3.8551	3.8426	240.74
8/1/01 11:00 AM	26.018	27.82	-1.80	3.9961	3.9787	257.34
8/1/01 11:20 AM	27.039	28.248	-1.21	4.1789	4.1625	250.21
8/1/01 11:40 AM	27.638	28.775	-1.14	4.3284	4.3135	262.44
8/1/01 12:00 PM	28.476	29.573	-1.10	4.4677	4.4545	230.9
8/1/01 12:20 PM	29.013	29.185	-0.17	4.5756	4.569	221.64
8/1/01 12:40 PM	29.384	29.555	-0.17	4.643	4.6381	220.1733
8/1/01 1:00 PM	29.663	28.357	1.31	4.6438	4.6463	493.83
8/1/01 1:20 PM	29.51	28.624	0.89	4.573	4.58	365.85
8/1/01 1:40 PM	29.877	29.648	0.23	4.6242	4.6117	463.45
8/1/01 2:00 PM	29.404	28.636	0.77	4.6736	4.6791	321.21
8/1/01 2:20 PM	29.25	28.481	0.77	4.584	4.5949	279.98
8/1/01 2:40 PM	29.468	29.26	0.21	4.4652	4.4733	139.75

Day	T (lower)	T (upper)	dT (upper - lower)	e (lower)	e (upper)	LE
8/29/01 21:40	24.50	25.09	0.59	1.57	1.52	39.08
8/29/01 22:00	24.44	24.85	0.42	1.56	1.51	64.47
8/29/01 22:20	24.19	24.59	0.41	1.55	1.50	35.20
8/29/01 22:40	23.76	24.07	0.31	1.55	1.50	11.08
8/29/01 23:00	23.48	24.11	0.63	1.56	1.51	39.61
8/29/01 23:20	23.03	23.47	0.43	1.50	1.45	11.87
8/29/01 23:40	22.75	23.12	0.38	1.52	1.49	2.79
8/30/01 0:00	22.60	23.02	0.42	1.55	1.50	35.27
8/30/01 0:20	22.16	23.12	0.96	1.54	1.50	9.81
8/30/01 0:40	22.10	22.72	0.61	1.50	1.46	43.13
8/30/01 1:00	21.87	22.06	0.19	1.53	1.49	42.67
8/30/01 1:20	21.56	21.64	0.08	1.55	1.51	38.84
8/30/01 1:40	21.25	21.38	0.13	1.56	1.53	54.00
8/30/01 2:00	20.96	21.08	0.12	1.58	1.55	43.40

Day	T (lower)	T (upper)	dT (upper - lower)	e (lower)	e (upper)	LE
8/29/01 12:20	25.37	25.98	0.61	1.85	1.78	212.25
8/29/01 12:40	26.02	26.25	0.23	1.84	1.79	224.77
8/29/01 13:00	26.01	26.70	0.69	1.77	1.72	213.68
8/29/01 13:20	28.39	26.97	-1.42	1.68	1.64	215.92
8/29/01 13:40	28.60	26.71	-1.88	1.53	1.53	169.40
8/29/01 14:00	28.57	26.80	-1.77	1.68	1.65	225.56
8/29/01 14:20	28.93	27.21	-1.72	1.68	1.65	206.17
8/29/01 14:40	29.19	27.32	-1.87	1.74	1.70	191.35
8/29/01 15:00	29.58	27.63	-1.95	1.70	1.67	183.35
8/29/01 15:20	30.03	28.05	-1.99	1.70	1.67	217.89
8/29/01 15:40	30.07	28.03	-2.04	1.75	1.72	205.89
8/29/01 16:00	29.86	27.92	-1.94	1.89	1.83	205.73
8/29/01 16:20	29.17	27.15	-2.01	1.94	1.92	201.32
8/29/01 16:40	28.41	26.57	-1.85	1.91	1.89	154.79
8/30/01 11:00	23.73	23.45	-0.29	1.93	1.86	69.67

8/30/01 11:20	24.03	23.68	-0.35	2.10	2.05	103.86
8/30/01 11:40	24.82	24.24	-0.59	2.14	2.09	147.17
8/30/01 12:00	25.37	24.58	-0.79	2.19	2.13	137.03
8/30/01 12:20	25.55	25.10	-0.45	2.33	2.26	145.20
8/30/01 12:40	26.09	25.98	-0.12	2.35	2.31	131.53
8/30/01 13:00	26.18	25.67	-0.50	2.38	2.34	121.02
8/30/01 13:20	26.22	25.76	-0.46	2.41	2.38	122.75
8/30/01 13:40	26.03	25.65	-0.38	2.42	2.39	97.05
8/30/01 14:00	25.44	25.11	-0.33	2.44	2.42	87.32
8/30/01 14:20	25.01	24.79	-0.22	2.46	2.44	44.03
8/30/01 14:40	24.80	24.71	-0.09	2.48	2.46	30.40

Date/Time	Temp Lower	Temp Upper	<u>dT (upper - lower)</u>	e Lower	e Upper	LE
10/23/01 11:20	19.01	18.37	-0.63	1.70	1.67	31.02
10/23/01 11:40	18.81	18.29	-0.52	1.66	1.66	30.53
10/23/01 12:00	18.49	18.02	-0.47	1.65	1.65	28.03
10/23/01 12:20	18.32	17.82	-0.50	1.64	1.64	34.64
10/23/01 12:40	18.59	18.13	-0.47	1.64	1.64	23.30
10/23/01 13:00	18.69	18.15	-0.54	1.68	1.68	32.23
10/23/01 13:20	18.82	18.26	-0.57	1.69	1.69	41.06
10/23/01 13:40	19.24	18.68	-0.56	1.69	1.68	28.70
10/23/01 14:00	19.18	18.52	-0.66	1.70	1.69	49.48
10/23/01 14:20	19.59	18.98	-0.61	1.72	1.70	46.09
10/23/01 14:40	19.77	19.17	-0.60	1.72	1.70	43.48
10/23/01 15:00	19.71	19.13	-0.58	1.72	1.70	33.01
10/23/01 15:20	19.69	19.10	-0.59	1.72	1.71	32.82
10/23/01 15:40	19.83	19.26	-0.57	1.72	1.70	24.89
10/23/01 16:00	19.74	19.19	-0.55	1.73	1.71	23.05
10/23/01 16:20	19.49	19.02	-0.47	1.72	1.71	23.64
10/23/01 16:40	19.37	18.56	-0.81	1.74	1.73	23.57
10/23/01 17:00	19.67	19.08	-0.60	1.73	1.72	11.21
10/23/01 17:20	19.31	18.87	-0.44	1.71	1.70	7.82
10/23/01 17:40	18.82	18.45	-0.37	1.71	1.70	4.54
10/23/01 18:00	18.56	18.48	-0.08	1.69	1.69	-4.67
10/23/01 18:20	17.91	18.26	0.35	1.68	1.68	-2.61
10/23/01 18:40	17.59	18.06	0.48	1.69	1.69	-4.16
10/23/01 19:00	17.93	18.28	0.35	1.79	1.78	-8.67
10/23/01 19:20	18.06	18.33	0.27	1.77	1.77	-9.65
10/23/01 19:40	17.94	18.15	0.21	1.73	1.73	-6.01
10/23/01 20:00	17.04	17.56	0.52	1.72	1.72	-11.49
10/23/01 20:20	16.92	17.48	0.56	1.73	1.73	-10.85
10/23/01 20:40	16.81	17.37	0.57	1.75	1.76	-16.56
10/23/01 21:00	16.92	17.43	0.51	1.77	1.79	-8.41
10/23/01 21:20	17.40	17.74	0.35	1.79	1.81	-3.48
10/23/01 21:40	17.72	17.95	0.24	1.79	1.80	-5.92
10/23/01 22:00	17.59	17.92	0.32	1.79	1.80	-4.49
10/23/01 22:20	17.74	17.93	0.18	1.80	1.81	-7.19
10/23/01 22:40	17.86	17.87	0.01	1.80	1.81	-4.55
10/23/01 23:00	17.94	18.00	0.06	1.80	1.82	-5.12
10/23/01 23:20	17.99	18.04	0.05	1.81	1.82	-5.86
10/23/01 23:40	17.87	17.91	0.04	1.81	1.82	-9.54

10/24/01 0:00	17.96	18.05	0.09	1.82	1.83	-6.20
10/24/01 0:20	18.49	18.43	-0.06	1.83	1.83	-3.95
10/24/01 0:40	19.08	18.76	-0.32	1.79	1.80	-5.93
10/24/01 1:00	18.47	18.35	-0.12	1.76	1.76	17.59
10/24/01 1:20	17.86	17.90	0.04	1.76	1.76	-8.88
10/24/01 1:40	16.89	17.46	0.57	1.78	1.78	0.00
10/24/01 2:00	17.09	17.50	0.41	1.83	1.82	-4.42
10/24/01 2:20	17.73	17.97	0.23	1.87	1.86	-3.82
10/24/01 2:40	18.11	18.26	0.15	1.87	1.88	-6.48
10/24/01 3:00	18.35	18.40	0.05	1.86	1.88	-4.93
10/24/01 3:20	18.45	18.50	0.05	1.85	1.87	-6.60
10/24/01 3:40	18.61	18.49	-0.11	1.85	1.86	-6.94
10/24/01 4:00	18.41	18.33	-0.08	1.83	1.83	-10.63
10/24/01 4:20	18.09	18.05	-0.04	1.82	1.83	-7.49
10/24/01 4:40	18.06	18.00	-0.05	1.81	1.82	-11.12
10/24/01 5:00	18.22	18.01	-0.22	1.80	1.81	-5.62
10/24/01 5:20	17.75	17.73	-0.03	1.79	1.79	-11.44
10/24/01 5:40	17.66	17.87	0.21	1.78	1.79	-3.32
10/24/01 6:00	17.40	17.60	0.20	1.77	1.78	-6.75
10/24/01 6:20	17.31	17.47	0.17	1.77	1.78	-7.38
10/24/01 6:40	17.14	17.31	0.16	1.76	1.78	-10.13
10/24/01 7:00	17.19	17.29	0.10	1.76	1.77	-10.91
10/24/01 7:20	17.56	17.63	0.07	1.74	1.75	-6.46
10/24/01 7:40	17.20	17.38	0.18	1.71	1.72	9.37
10/24/01 8:00	16.12	16.53	0.41	1.71	1.70	15.72
10/24/01 8:20	16.02	16.41	0.39	1.76	1.75	-0.13
10/24/01 8:40	16.56	16.84	0.27	1.81	1.79	11.03
10/24/01 9:00	17.44	17.59	0.15	1.85	1.83	14.29
10/24/01 9:20	17.89	18.14	0.25	1.91	1.89	37.13
10/24/01 9:40	19.08	19.18	0.10	1.98	1.99	53.23
10/24/01 10:00	20.41	20.10	-0.31	2.06	2.07	85.40
10/24/01 10:20	21.72	20.95	-0.77	2.13	2.13	94.69
10/24/01 10:40	23.03	22.61	-0.42	2.19	2.20	113.72
10/24/01 11:00	23.98	23.66	-0.32	2.23	2.25	113.90
10/24/01 11:20	24.97	24.67	-0.29	2.19	2.21	92.61
10/24/01 11:40	24.90	24.24	-0.66	2.14	2.14	115.24
10/24/01 12:00	25.45	24.70	-0.75	2.20	2.21	114.80
10/24/01 12:20	26.64	25.78	-0.86	2.26	2.28	176.53
10/24/01 12:40	27.89	27.17	-0.73	2.30	2.33	147.34
10/24/01 13:00	29.97	28.07	-1.90	2.32	2.34	101.65
10/24/01 13:20	31.95	26.42	-5.53	2.33	2.34	165.17
10/24/01 13:40	29.64	27.68	-1.96	2.32	2.32	182.07
10/24/01 14:00	28.53	28.18	-0.35	2.30	2.32	122.51
10/24/01 14:20	29.44	29.05	-0.38	2.28	2.28	143.58
10/24/01 14:40	32.31	29.99	-2.32	2.32	2.26	197.28
10/24/01 15:00	31.01	28.82	-2.19	2.17	2.14	117.13
10/24/01 15:20	29.85	28.08	-1.77	2.11	2.08	105.78
10/24/01 15:40	28.84	27.86	-0.98	2.13	2.11	148.47
10/24/01 16:00	29.23	28.30	-0.92	2.14	2.12	101.28
10/24/01 16:20	29.96	28.90	-1.06	2.11	2.11	65.00
10/24/01 16:40	28.98	28.18	-0.80	2.07	2.07	70.59
10/24/01 17:00	27.99	27.26	-0.73	2.03	2.03	48.53

10/24/01 17:20	26.66	26.24	-0.42	1.99	1.99	40.79
10/24/01 17:40	25.68	25.24	-0.44	1.94	1.93	34.09
10/24/01 18:00	24.91	24.51	-0.41	1.90	1.89	26.19
10/24/01 18:20	23.53	23.29	-0.24	1.86	1.85	24.78
10/24/01 18:40	22.74	22.55	-0.20	1.83	1.82	19.34
10/24/01 19:00	21.84	21.71	-0.13	1.80	1.79	13.90
10/24/01 19:20	22.33	21.98	-0.35	1.77	1.77	9.99
10/24/01 19:40	20.96	20.82	-0.13	1.73	1.72	8.07
10/24/01 20:00	17.49	18.02	0.52	1.74	1.74	16.90
10/24/01 20:20	18.78	18.87	0.10	1.85	99999.00	31.05
10/24/01 20:40	19.57	19.28	-0.29	1.89	1.89	30.13
10/24/01 21:00	20.74	20.50	-0.23	1.91	1.90	44.07
10/24/01 21:20	21.67	21.69	0.02	1.91	1.91	37.90
10/24/01 21:40	22.40	22.10	-0.31	1.90	1.90	19.68
10/24/01 22:00	22.29	21.92	-0.37	1.89	1.89	17.68
10/24/01 22:20	22.14	21.81	-0.33	1.87	1.87	19.93
10/24/01 22:40	21.86	21.60	-0.27	1.85	1.86	23.86
10/24/01 23:00	21.80	21.49	-0.31	1.84	1.84	17.29
10/24/01 23:20	21.50	21.26	-0.24	1.82	1.83	14.52
10/24/01 23:40	21.36	21.15	-0.21	1.81	1.81	8.35
10/25/01 0:00	21.14	21.04	-0.10	1.81	1.81	9.06
10/25/01 0:20	20.79	20.72	-0.06	1.83	1.83	7.28
10/25/01 0:40	20.95	20.76	-0.19	1.80	1.81	8.47
10/25/01 1:00	21.61	21.35	-0.26	1.75	1.74	5.06
10/25/01 1:20	20.25	20.15	-0.10	1.70	1.69	6.03
10/25/01 1:40	18.94	19.04	0.10	1.66	1.65	-0.50
10/25/01 2:00	17.94	18.17	0.23	1.65	1.63	-1.94
10/25/01 2:20	17.23	17.55	0.32	1.65	1.64	-4.95
10/25/01 2:40	17.31	17.57	0.26	1.64	1.63	-3.62
10/25/01 3:00	17.11	17.38	0.27	1.64	1.62	-4.95
10/25/01 3:20	16.85	17.14	0.29	1.65	1.63	-6.71
10/25/01 3:40	17.03	17.24	0.21	1.65	1.63	-5.04
10/25/01 4:00	16.98	17.16	0.18	1.64	1.63	-2.51
10/25/01 4:20	16.73	16.94	0.21	1.64	1.62	-7.81
10/25/01 4:40	16.67	16.87	0.20	1.65	1.63	-5.14
10/25/01 5:00	17.00	17.08	0.08	1.66	1.64	15.36
10/25/01 5:20	16.89	17.01	0.12	1.65	1.63	-3.36
10/25/01 5:40	16.65	16.83	0.17	1.65	1.63	-4.26
10/25/01 6:00	16.18	16.54	0.37	1.66	1.65	-10.11
10/25/01 6:20	16.48	16.77	0.29	1.68	1.67	-1.64
10/25/01 6:40	16.78	16.98	0.19	1.67	1.67	0.20
10/25/01 7:00	16.90	17.00	0.10	1.66	1.65	-1.34
10/25/01 7:20	16.64	16.80	0.16	1.65	1.64	-1.69
10/25/01 7:40	16.38	16.60	0.22	1.65	1.64	-0.03
10/25/01 8:00	16.21	16.49	0.29	1.66	1.65	0.67
10/25/01 8:20	15.70	16.29	0.59	1.70	1.68	-1.28
10/25/01 8:40	14.89	15.87	0.98	1.82	1.78	32.17
10/25/01 9:00	17.41	18.10	0.68	1.97	1.94	51.69
10/25/01 9:20	19.85	20.26	0.41	2.04	2.06	70.46
10/25/01 9:40	21.54	21.80	0.26	2.10	2.10	66.61
10/25/01 10:00	22.55	22.74	0.18	2.15	2.14	64.96
10/25/01 10:20	23.37	23.55	0.19	2.19	2.18	78.50

10/25/01 10:40	24.36	24.56	0.20	2.20	2.18	79.03
10/25/01 11:00	25.25	25.50	0.25	2.19	2.17	91.32
10/25/01 11:20	25.89	26.19	0.30	2.18	2.16	100.42
10/25/01 11:40	26.98	27.34	0.36	2.16	2.18	83.64
10/25/01 12:00	28.03	28.33	0.30	2.10	2.11	75.94
10/25/01 12:20	28.68	28.66	-0.02	2.01	2.01	53.81
10/25/01 12:40	27.48	27.01	-0.47	1.82	1.89	48.31
10/25/01 13:00	25.50	25.07	-0.43	1.55	1.66	44.89
10/25/01 13:20	25.95	25.79	-0.15	1.41	1.53	66.86
10/25/01 13:40	26.09	25.88	-0.20	1.39	1.45	59.78
10/25/01 14:00	25.18	25.32	0.15	1.39	1.45	77.17
10/25/01 14:20	25.18	25.10	-0.07	1.32	1.42	104.95
10/25/01 14:40	26.45	26.05	-0.40	1.24	1.32	128.56

	Temp (lower))	Temp (upper)	dT (lower - upper)	e (lower)	e (upper)	LE
5/6/02 11:40	21.94	22.21	-0.26	1.15	1.13	284.16
5/6/02 12:00	22.85	22.71	0.14	1.18	1.15	251.48
5/6/02 12:20	21.58	21.41	0.17	1.33	1.31	337.26
5/6/02 12:40	21.43	21.22	0.21	1.41	1.40	445.69
5/6/02 13:00	20.52	20.35	0.18	1.42	1.42	554.62
5/6/02 13:20	20.64	20.27	0.37	1.43	1.44	550.04
5/6/02 13:40	20.96	20.53	0.43	1.47	1.47	577.06
5/6/02 14:00	21.51	21.05	0.46	1.47	1.48	382.10
5/6/02 14:20	20.67	20.29	0.39	1.45	1.45	408.58
5/6/02 14:40	20.76	20.33	0.44	1.41	1.41	298.08
5/6/02 15:00	21.17	20.77	0.40	1.38	1.38	364.60
5/6/02 15:20	21.63	21.29	0.34	1.35	1.34	362.57
5/6/02 15:40	22.66	22.41	0.25	1.26	1.24	379.73
5/6/02 16:00	22.43	22.27	0.16	1.16	1.14	275.11
5/6/02 16:20	22.21	22.09	0.12	1.11	1.10	319.31
5/6/02 16:40	21.53	21.49	0.04	1.07	1.05	249.62
5/6/02 17:00	21.32	21.29	0.03	1.04	1.02	201.42
5/6/02 17:20	20.65	20.64	0.01	1.02	1.01	205.64
5/6/02 17:40	20.44	20.46	-0.02	1.01	1.00	155.46
5/6/02 18:00	20.03	20.06	-0.03	1.00	0.99	133.03
5/6/02 18:20	19.51	19.55	-0.04	1.00	1.00	102.60
5/6/02 18:40	18.97	19.03	-0.06	1.02	1.02	77.69
5/7/02 9:20	18.25	18.02	0.23	2.06	2.11	113.99
5/7/02 9:40	18.66	18.54	0.11	2.32	2.30	92.85
5/7/02 10:00	19.59	19.37	0.23	1.62	1.76	119.71
5/7/02 10:20	20.25	20.05	0.20	1.57	1.55	160.76
5/7/02 10:40	20.39	20.05	0.34	1.65	1.64	155.51
5/7/02 11:00	21.53	21.21	0.33	1.70	1.68	221.24
5/7/02 11:20	21.93	21.60	0.32	1.71	1.69	231.54
5/7/02 11:40	22.37	21.91	0.45	1.72	1.70	182.87
5/7/02 12:00	23.02	22.56	0.46	1.75	1.73	202.61
5/7/02 12:20	23.31	22.59	0.72	1.77	1.75	166.65
5/7/02 12:40	23.59	23.08	0.51	1.77	1.75	218.04
5/7/02 13:00	24.42	24.18	0.24	1.78	1.76	211.44
5/7/02 13:20	25.42	25.14	0.28	1.79	1.76	306.96
5/7/02 13:40	25.68	25.41	0.26	1.78	1.74	297.17

5/7/02 14:00	25.60	25.39	0.22	1.75	1.72	220.99
5/7/02 14:20	25.73	25.55	0.19	1.75	1.72	231.04
5/7/02 14:40	25.87	25.71	0.17	1.75	1.73	221.83
5/7/02 15:00	25.88	25.77	0.11	1.73	1.71	216.13
5/7/02 15:20	25.76	25.67	0.09	1.72	1.69	175.32
5/7/02 15:40	25.87	25.80	0.07	1.71	1.68	178.85
5/7/02 16:00	26.21	26.12	0.10	1.72	1.70	214.85
5/7/02 19:40	25.01	25.35	-0.34	2.35		47.63
5/7/02 20:00	24.70	25.03	-0.33	3.12	3.12	31.19
5/7/02 20:20	24.54	24.89	-0.34	3.07	3.08	16.16
5/7/02 20:40	21.16	21.80	-0.64	3.01	3.02	8.39
5/7/02 21:00	21.74	22.24	-0.49	2.84	2.86	25.06
5/7/02 21:20	23.50	23.99	-0.49	2.73	2.73	26.61
5/7/02 21:40	22.82	23.44	-0.62	2.71	2.71	23.18
5/7/02 22:00	22.86	23.40	-0.54	2.70	2.70	8.30
5/7/02 22:20	22.26	22.80	-0.54	2.66	2.67	8.78
5/7/02 22:40	22.07	22.71	-0.64	2.59	2.60	4.71
5/7/02 23:00	21.70	22.39	-0.69	2.54	2.54	1.54
5/7/02 23:20	21.68	22.34	-0.66	2.49	2.49	-5.98
5/7/02 23:40	20.44	21.67	-1.23	2.14	2.13	3.78
5/8/02 0:00	20.32	21.15	-0.83	1.64	1.63	0.00
5/8/02 0:20	20.68	21.27	-0.59	1.60	1.60	0.56
5/8/02 0:40	19.75	20.46	-0.72	1.58	1.59	1.99
5/8/02 1:00	19.65	20.27	-0.61	1.58	1.59	7.69
5/8/02 1:20	20.04	20.58	-0.54	1.57	1.58	21.64
5/8/02 1:40	20.61	20.94	-0.33	1.57	1.57	15.95
5/8/02 2:00	20.53	20.81	-0.28	1.55	1.56	14.01
5/8/02 2:20	20.07	20.34	-0.27	1.54	1.55	16.64
5/8/02 2:40	19.93	20.22	-0.29	1.54	1.54	49.03
5/8/02 3:00	19.93	20.15	-0.22	1.54	1.54	18.25
5/8/02 3:20	19.65	19.85	-0.20	1.54	1.54	23.10
5/8/02 3:40	19.41	19.58	-0.17	1.52	1.53	25.56
5/8/02 4:00	19.17	19.32	-0.16	1.50	1.51	36.73
5/8/02 4:20	18.91	19.04	-0.12	1.47	1.48	21.18
5/8/02 4:40	18.70	18.83	-0.13	1.41	1.42	32.91
5/8/02 5:00	18.21	18.37	-0.16	1.36	1.36	35.71
5/8/02 5:20	17.77	17.93	-0.16	1.31	1.31	37.37
5/8/02 5:40	17.31	17.43	-0.12	1.27	1.27	32.80
5/8/02 6:00	16.80	16.95	-0.15	1.25	1.24	28.59
5/8/02 6:20	16.63	16.73	-0.10	1.23	1.23	21.07
5/8/02 6:40	16.59	16.68	-0.09	1.22	1.22	30.83
5/8/02 7:00	16.52	16.64	-0.12	1.22	1.21	43.37
5/8/02 7:20	16.82	16.91	-0.09	1.23	1.22	35.80
5/8/02 7:40	16.82	16.85	-0.03	1.24	1.24	58.44
5/8/02 8:00	17.25	17.18	0.08	1.25	1.25	115.97
5/8/02 8:20	17.76	17.63	0.13	1.27	1.27	138.80
5/8/02 8:40	17.94	17.76	0.18	1.29	1.28	134.98
5/8/02 9:00	18.38	18.16	0.22	1.30	1.30	145.06
5/8/02 9:20	18.68	18.32	0.36	1.32	1.32	184.38
5/8/02 9:40	19.27	18.72	0.55	1.33	1.33	161.69
5/8/02 10:00	19.47	19.05	0.42	1.35	1.34	197.70

5/8/02 10:20	19.70	19.33	0.37	1.36	1.36	185.20
5/8/02 10:40	19.87	19.57	0.30	1.31	1.31	219.97
5/8/02 11:00	19.78	19.73	0.05	1.23	1.22	255.31
5/8/02 11:20	20.52	20.32	0.20	1.25	1.23	296.33
5/8/02 11:40	20.59	20.50	0.09	1.24	1.22	314.59
5/8/02 12:00	20.72	20.70	0.02	1.15	1.15	221.40
5/8/02 12:20	20.50	20.53	-0.03	1.14	1.11	154.49
5/8/02 12:40	20.74	20.67	0.07	1.15	1.13	157.69
5/8/02 13:00	21.06	21.00	0.06	1.15	1.13	327.76
5/8/02 13:20	21.89	21.81	0.08	1.17	1.15	164.65
5/8/02 13:40	22.01	22.04	-0.03	1.19	1.17	234.79
5/8/02 14:00	21.98	21.99	0.00	1.18	1.16	295.83
5/8/02 14:20	21.63	21.70	-0.07	1.19	1.17	356.90
5/8/02 14:40	18.62	19.13	-0.51	1.25	1.23	287.47
5/8/02 15:00	17.65	18.03	-0.39	1.24	1.24	313.92
5/8/02 15:20	17.34	17.49	-0.15	1.23	1.23	226.84
5/8/02 15:40	16.36	16.61	-0.25	1.21	1.21	223.27
5/8/02 16:00	15.93	16.10	-0.17	1.21	1.20	234.89
5/10/02 8:20	16.97	16.57	0.40	1.84	1.89	
5/10/02 8:40	17.04	16.90	0.14	2.03	2.01	48.50
5/10/02 9:00	17.55	17.64	-0.09	2.08	2.17	182.57
5/10/02 9:20	18.16	18.21	-0.04	2.31	2.30	186.71
5/10/02 9:40	19.13	18.98	0.16	2.44	2.43	244.30
5/10/02 10:00	19.88	19.63	0.25	2.56	2.54	263.24
5/10/02 10:20	20.48	20.27	0.21	2.68	2.67	243.58
5/10/02 10:40	20.86	20.62	0.24	2.75	2.74	321.43
5/10/02 11:00	20.99	20.77	0.22	2.76	2.76	296.54
5/10/02 11:20	21.19	20.98	0.21	2.75	2.75	378.09

Day	T (lower)	T (upper)	dT (lower - upper)	L_e	U_e	LE
11/13/02 14:20	9.72	9.8391	-0.12	0.94	0.94	45.96
11/13/02 14:40	9.71	9.8668	-0.16	0.92	0.92	60.22
11/13/02 15:00	9.71	9.8799	-0.17	0.92	0.91	57.03
11/13/02 15:20	9.53	9.707	-0.18	0.90	0.88	70.06
11/13/02 15:40	9.69	9.7125	-0.02	0.88	0.87	63.89
11/13/02 16:00	9.59	9.6094	-0.02	0.86	0.85	72.48
11/13/02 16:20	9.55	9.5913	-0.04	0.85	0.84	35.44
11/13/02 16:40	9.49	9.5448	-0.06	0.84	0.83	60.84
11/13/02 17:00	9.49	9.5558	-0.07	0.83	0.82	67.92
11/13/02 17:20	9.25	9.3359	-0.08	0.82	0.81	73.47
11/13/02 17:40	9.05	9.1412	-0.09	0.80	0.79	81.81
11/13/02 18:00	8.73	8.8359	-0.10	0.78	0.77	56.12
11/13/02 18:20	8.48	8.6052	-0.13	0.76	0.76	55.25
11/13/02 18:40	8.17	8.3242	-0.16	0.75	0.75	48.58
11/13/02 19:00	7.88	8.0438	-0.16	0.74	0.74	57.72
11/13/02 19:20	7.63	7.8028	-0.18	0.72	0.73	47.70
11/13/02 19:40	7.41	7.5821	-0.17	0.72	0.72	41.51
11/13/02 20:00	7.18	7.4016	-0.22	0.71	0.71	39.05
11/13/02 20:20	6.99	7.2095	-0.22	0.70	0.71	45.58
11/13/02 20:40	6.84	7.031	-0.19	0.69	0.69	41.74

11/13/02 21:00	6.84	6.9623	-0.12	0.68	0.68	41.72
11/13/02 21:20	6.63	6.7771	-0.14	0.67	0.68	34.14
11/13/02 21:40	6.52	6.6456	-0.12	0.66	0.67	42.47
11/13/02 22:00	6.48	6.5674	-0.09	0.66	0.66	30.83
11/13/02 22:20	6.37	6.4548	-0.08	0.65	0.66	31.09
11/13/02 22:40	6.17	6.2693	-0.10	0.65	0.65	23.62
11/13/02 23:00	6.07	6.1422	-0.08	0.64	0.64	33.58
11/13/02 23:20	5.96	6.0149	-0.05	0.63	0.64	37.68
11/14/02 10:00	7.60	7.4717	0.13	0.75	0.75	55.32
11/14/02 10:20	8.48	8.2478	0.23	0.77	0.77	61.50
11/14/02 10:40	8.87	8.8213	0.05	0.79	0.79	90.86
11/14/02 11:00	9.83	9.7066	0.12	0.81	0.81	74.28
11/14/02 11:20	10.55	10.418	0.13	0.83	0.82	98.55
11/14/02 11:40	10.97	10.919	0.05	0.85	0.84	97.89
11/14/02 12:00	11.68	11.452	0.23	0.87	0.86	102.88
11/14/02 12:20	11.95	11.773	0.18	0.90	0.89	133.33
11/14/02 12:40	12.46	12.185	0.28	0.91	0.91	123.57
11/14/02 13:00	12.80	12.497	0.31	0.93	0.93	104.73
11/14/02 13:20	12.66	12.485	0.18	0.91	0.91	124.95
11/14/02 13:40	13.41	13.111	0.30	0.92	0.92	114.14
11/14/02 14:00	13.85	13.501	0.34	0.93	0.93	124.66
11/14/02 14:20	13.72	13.475	0.25	0.94	0.94	107.99
11/14/02 15:40	13.85	13.686	0.16	0.90	0.90	46.51
11/14/02 16:00	13.79	13.691	0.10	0.89	0.88	68.07
11/14/02 16:20	12.95	13.139	-0.19	0.85	0.85	61.90
11/14/02 16:40	12.78	12.918	-0.14	0.84	0.84	41.46
11/14/02 17:00	12.26	12.479	-0.22	0.82	0.82	34.03
11/14/02 17:20	11.88	12.098	-0.22	0.82	0.82	24.58
11/14/02 17:40	11.52	11.754	-0.24	0.82	0.82	29.62
11/14/02 18:00	11.43	11.744	-0.31	0.81	0.81	24.72
11/14/02 18:20	11.16	11.483	-0.33	0.82	0.82	32.53
11/14/02 18:40	11.08	11.401	-0.32	0.83	0.83	28.02
11/14/02 19:00	10.94	11.265	-0.33	0.83	0.83	23.44
11/14/02 19:20	10.94	11.228	-0.29	0.83	0.83	31.69
11/14/02 19:40	10.93	11.11	-0.18	0.82	0.82	27.14
11/14/02 20:00	10.62	10.877	-0.26	0.81	0.82	20.33
11/14/02 20:20	10.53	10.773	-0.24	0.81	0.81	29.68
11/14/02 20:40	10.66	10.855	-0.20	0.81	0.82	28.41
11/14/02 21:00	10.81	10.97	-0.16	0.81	0.82	38.94
11/14/02 21:20	10.64	10.854	-0.21	0.82	0.82	34.92
11/14/02 21:40	10.42	10.659	-0.24	0.81	0.82	24.30
11/14/02 22:00	10.36	10.585	-0.23	0.81	0.81	21.39
11/14/02 22:20	10.20	10.459	-0.26	0.81	0.81	15.25
11/14/02 22:40	10.20	10.455	-0.26	0.80	0.81	11.05
11/14/02 23:00	10.46	10.644	-0.19	0.80	0.81	16.67
11/14/02 23:20	10.64	10.801	-0.16	0.81	0.81	26.04
11/14/02 23:40	10.66	10.849	-0.19	0.81	0.82	26.54
11/15/02 0:00	10.55	10.77	-0.22	0.82	0.82	25.47
11/15/02 0:20	10.55	10.765	-0.21	0.82	0.82	27.01
11/15/02 0:40	10.60	10.803	-0.20	0.82	0.82	25.91



11/15/02 1:00	10.48	10.705	-0.22	0.82	0.82	31.04
11/15/02 1:20	10.48	10.685	-0.20	0.82	0.82	29.99
11/15/02 1:40	10.40	10.62	-0.22	0.82	0.82	24.93
11/15/02 2:00	10.36	10.591	-0.24	0.82	0.82	28.10
11/15/02 2:20	10.20	10.456	-0.25	0.81	0.81	21.42
11/15/02 2:40	9.98	10.238	-0.25	0.80	0.81	19.60
11/15/02 3:00	9.85	10.087	-0.23	0.80	0.80	18.80
11/15/02 3:20	9.49	9.7671	-0.28	0.79	0.80	19.70
11/15/02 3:40	9.33	9.5841	-0.26	0.78	0.79	21.41
11/15/02 4:00	9.07	9.3487	-0.28	0.78	0.78	14.25
11/15/02 4:20	8.92	9.1712	-0.25	0.77	0.78	14.44
11/15/02 4:40	8.83	9.0369	-0.20	0.76	0.78	17.90
11/15/02 5:00	8.74	8.9167	-0.18	0.76	0.78	16.43
11/15/02 5:20	8.52	8.702	-0.19	0.76	0.78	16.09
11/15/02 5:40	8.38	8.5633	-0.18	0.76	0.78	13.93
11/15/02 6:00	8.42	8.5636	-0.15	0.76	0.78	18.60
11/15/02 6:20	8.25	8.4195	-0.17	0.77	0.78	20.98
11/15/02 6:40	8.10	8.2861	-0.19	0.77	0.78	15.90
11/15/02 7:00	8.07	8.2434	-0.18	0.76	0.78	15.60
11/15/02 7:20	7.91	8.0698	-0.16	0.76	0.78	15.45
11/15/02 7:40	7.97	8.0903	-0.12	0.76	0.78	18.50
11/15/02 8:00	8.23	8.3229	-0.10	0.78	0.80	17.35
11/15/02 8:20	8.37	8.4761	-0.11	0.80	0.82	18.93
11/15/02 8:40	8.68	8.7748	-0.09	0.82	0.84	26.92
11/15/02 9:00	9.31	9.2858	0.03	0.85	0.86	38.56
11/15/02 9:20	9.78	9.7228	0.06	0.87	0.88	61.60
11/15/02 9:40	10.26	10.157	0.10	0.89	0.89	50.48
11/15/02 10:00	11.00	10.832	0.17	0.91	0.91	65.75
11/15/02 10:20	11.81	11.537	0.27	0.93	0.93	72.46
11/15/02 10:40	12.36	12.099	0.26	0.95	0.95	84.15
11/15/02 11:00	12.55	12.396	0.16	0.97	0.97	66.81
11/15/02 11:20	12.91	12.721	0.19	0.97	0.98	78.53
11/15/02 11:40	12.54	12.447	0.09	0.96	0.97	62.39
11/15/02 12:00	13.23	12.98	0.25	0.96	0.96	95.17
11/15/02 12:20	13.95	13.642	0.31	0.98	0.98	95.65
11/15/02 12:40	14.46	14.081	0.38	1.00	1.00	133.16
11/15/02 13:00	15.42	14.781	0.64	1.01	1.01	148.69
11/15/02 13:20	15.55	15.028	0.52	1.01	1.01	117.39
11/15/02 13:40	15.41	15.228	0.18	1.00	0.98	121.82
11/15/02 14:00	15.12	15.058	0.06	0.96	0.96	79.81

H	U (upper)	U (lower)	dU	u_star	z1 [inches]	z2 [inches]	Ri
38.427	2.5519	2.1788	0.3731	0.12661	2.019201463	1.08783	-0.221533
44.101	1.9531	1.6913	0.2618	0.1078	2.019201463	1.08783	-0.578187
46.798	1.8406	1.5588	0.2818	0.17376	2.019201463	1.08783	-0.450025
71.61	1.745	1.3338	0.4112	0.17634	2.019201463	1.08783	-0.549588
101.73	2.0013	1.6219	0.3794	0.16003	2.019201463	1.08783	-1.007336
98.711	1.9444	1.5444	0.4	0.15343	2.019201463	1.08783	-0.742710
126.62	2.105	1.7513	0.3537	0.18708	2.019201463	1.08783	-0.635760
140.72	1.7994	1.4938	0.3056	0.21418	2.019201463	1.08783	-0.799427
149.3	1.6319	1.395	0.2369	0.22713	2.019201463	1.08783	-1.280043
103.67	2.04	1.7425	0.2975	0.16113	2.019201463	1.08783	-0.127232
167	1.354133	1.255827	0.098307	0.18284	2.019201463	1.08783	-1.157015
110.56	2.2713	2.0625	0.2088	0.14348	2.019201463	1.08783	1.961783
98.976	2.1231	1.9656	0.1575	0.10122	2.019201463	1.08783	2.338619
154.6	2.1944	1.95	0.2444	0.14466	2.019201463	1.08783	0.250450
82.167	2.3056	2.2375	0.0681	0.19145	2.019201463	1.08783	10.844796
21.031	2.3831	2.15	0.2331	0.21016	2.019201463	1.08783	0.927296
23.625	1.8619	1.3969	0.465	0.14214	2.019201463	1.08783	0.062924

H	U (upper)	U (lower)	dU	u_star	dz	ln(z1/z2)	Ri
-13.74	1.84	1.07	0.77	0.11	2.08	1.27	0.068528
-26.82	2.83	2.09	0.74	0.18	2.08	1.27	0.052716
-10.74	2.12	1.60	0.51	0.11	2.08	1.27	0.105517
-6.79	1.64	1.17	0.47	0.08	2.08	1.27	0.096401
0.13	1.60	1.08	0.52	0.10	2.08	1.27	0.158875
-7.06	0.96	0.48	0.48	0.06	2.08	1.27	0.131043
-1.72	0.84	0.77	0.07	0.06	2.08	1.27	6.149480
-10.59	0.99	0.60	0.38	0.08	2.08	1.27	0.196059
-1.13	0.58	0.41	0.17	0.08	2.08	1.27	2.319066
-16.12	1.90	1.45	0.45	0.10	2.08	1.27	0.212314
-16.01	2.33	1.84	0.49	0.14	2.08	1.27	0.053763
-15.18	2.32	1.86	0.46	0.13	2.08	1.27	0.026469
-18.79	2.86	2.27	0.59	0.21	2.08	1.27	0.025753
-20.04	2.71	2.30	0.41	0.18	2.08	1.27	0.049220

H	U (upper)	U (lower)	u_star	dz	ln(z1/z2)	Ri	
124.36	2.91	2.52	0.38	0.22	2.08	1.27	0.282085
142.09	3.18	2.80	0.38	0.24	2.08	1.27	0.109667
121.50	2.53	2.01	0.52	0.17	2.08	1.27	0.174260
126.23	2.66	2.11	0.55	0.14	2.08	1.27	-0.316988
93.95	2.47	2.14	0.33	0.18	2.08	1.27	-1.147435
135.20	3.16	2.74	0.42	0.27	2.08	1.27	-0.680425
113.04	2.67	1.96	0.71	0.18	2.08	1.27	-0.227969
144.02	3.13	2.64	0.49	0.24	2.08	1.27	-0.526717
115.65	2.56	2.14	0.42	0.19	2.08	1.27	-0.737972
142.56	2.13	1.53	0.59	0.21	2.08	1.27	-0.380382
142.86	3.28	2.78	0.50	0.29	2.08	1.27	-0.550345
145.72	3.88	3.10	0.78	0.36	2.08	1.27	-0.216265
178.46	4.81	4.17	0.64	0.43	2.08	1.27	-0.330628
112.65	4.26	3.46	0.81	0.39	2.08	1.27	-0.193068
37.86	1.54	1.27	0.27	0.12	2.08	1.27	-0.260360

57.99	1.28	1.06	0.22	0.10	2.08	1.27	-0.493983
88.03	1.57	1.35	0.21	0.15	2.08	1.27	-0.902355
103.71	2.62	2.29	0.33	0.17	2.08	1.27	-0.495203
130.38	3.51	3.18	0.33	0.25	2.08	1.27	-0.273734
172.97	4.43	3.88	0.55	0.42	2.08	1.27	-0.025702
167.91	3.97	3.21	0.76	0.41	2.08	1.27	-0.059504
183.74	5.13	4.52	0.61	0.48	2.08	1.27	-0.083311
156.31	4.86	4.21	0.65	0.48	2.08	1.27	-0.062019
146.89	5.45	4.39	1.06	0.54	2.08	1.27	-0.019895
88.29	4.94	4.17	0.77	0.49	2.08	1.27	-0.025653
59.58	4.18	3.37	0.81	0.40	2.08	1.27	-0.009562

H	U upper	U lower	dU	u_star			
13.96	4.00	3.20	0.81	0.23	2.21	1.34	-0.072430
14.25	3.82	2.90	0.92	0.22	2.21	1.34	-0.045255
11.82	3.59	2.73	0.86	0.19	2.21	1.34	-0.047116
14.20	3.86	2.89	0.97	0.22	2.21	1.34	-0.039768
11.92	4.01	2.92	1.08	0.18	2.21	1.34	-0.029521
16.68	4.27	3.68	0.59	0.23	2.21	1.34	-0.116436
24.95	4.62	4.02	0.60	0.25	2.21	1.34	-0.117257
18.77	5.32	4.70	0.62	0.23	2.21	1.34	-0.110056
31.39	5.45	4.79	0.65	0.30	2.21	1.34	-0.114734
32.13	6.78	5.44	1.34	0.34	2.21	1.34	-0.025326
26.05	7.78	5.95	1.83	0.40	2.21	1.34	-0.013276
27.70	7.00	5.85	1.16	0.33	2.21	1.34	-0.032102
11.60	6.88	5.83	1.05	0.30	2.21	1.34	-0.039709
19.24	7.14	6.04	1.10	0.32	2.21	1.34	-0.034887
21.54	8.04	6.75	1.29	0.34	2.21	1.34	-0.024621
19.89	7.58	6.50	1.09	0.35	2.21	1.34	-0.029445
27.26	6.85	5.95	0.90	0.36	2.21	1.34	-0.074909
9.31	7.32	6.31	1.02	0.32	2.21	1.34	-0.042586
8.50	6.60	5.73	0.87	0.33	2.21	1.34	-0.042430
5.41	6.15	5.31	0.84	0.34	2.21	1.34	-0.038755
-6.40	5.64	4.88	0.76	0.30	2.21	1.34	-0.010292
-9.64	4.98	4.18	0.80	0.32	2.21	1.34	0.040524
-11.56	4.27	3.50	0.77	0.27	2.21	1.34	0.060254
-10.35	3.60	3.17	0.43	0.25	2.21	1.34	0.139421
-8.23	2.98	2.67	0.31	0.21	2.21	1.34	0.208944
-7.78	2.70	2.41	0.29	0.18	2.21	1.34	0.186331
-10.83	3.51	3.16	0.35	0.25	2.21	1.34	0.310593
-9.16	2.36	2.12	0.24	0.15	2.21	1.34	0.747664
-11.33	2.26	2.00	0.25	0.21	2.21	1.34	0.665399
-7.09	1.84	1.25	0.60	0.16	2.21	1.34	0.106479
-6.02	1.56	0.76	0.80	0.10	2.21	1.34	0.040543
-7.26	1.64	0.59	1.05	0.11	2.21	1.34	0.015920
-7.52	2.03	1.11	0.92	0.17	2.21	1.34	0.028138
-6.61	1.52	0.46	1.06	0.08	2.21	1.34	0.012169
-4.47	1.40	0.36	1.03	0.07	2.21	1.34	0.001041
-4.59	1.13	0.25	0.88	0.07	2.21	1.34	0.005809
-3.97	0.99	0.26	0.73	0.07	2.21	1.34	0.006695
-5.79	1.21	0.28	0.93	0.08	2.21	1.34	0.003267

-4.21	0.96	0.25	0.71	0.08	2.21	1.34	0.013664
-3.01	0.82	0.59	0.22	0.04	2.21	1.34	-0.096479
-1.91	1.32	1.01	0.31	0.08	2.21	1.34	-0.242851
-0.10	0.29	0.23	0.06	0.05	2.21	1.34	-2.095735
-3.51	0.90	0.59	0.31	0.05	2.21	1.34	0.030296
-4.72	0.88	0.64	0.24	0.11	2.21	1.34	0.740230
-8.42	1.69	0.41	1.28	0.11	2.21	1.34	0.018672
-6.97	1.59	0.52	1.07	0.11	2.21	1.34	0.015352
-8.28	1.93	0.42	1.51	0.10	2.21	1.34	0.004894
-7.66	2.06	0.58	1.48	0.10	2.21	1.34	0.001560
-7.99	1.87	0.45	1.42	0.10	2.21	1.34	0.001850
-8.04	2.11	0.79	1.32	0.08	2.21	1.34	-0.004802
-12.13	2.15	1.06	1.09	0.11	2.21	1.34	-0.005129
-9.32	2.32	1.17	1.15	0.10	2.21	1.34	-0.002133
-10.81	2.08	0.94	1.14	0.08	2.21	1.34	-0.002974
-4.29	1.47	0.51	0.96	0.07	2.21	1.34	-0.017446
-9.39	1.71	0.71	1.00	0.09	2.21	1.34	-0.002021
-6.22	1.32	0.58	0.74	0.09	2.21	1.34	0.028019
-7.24	1.38	0.24	1.14	0.08	2.21	1.34	0.011361
-6.65	1.24	0.22	1.02	0.09	2.21	1.34	0.011896
-9.74	1.75	0.54	1.22	0.10	2.21	1.34	0.008295
-8.13	1.25	0.34	0.91	0.08	2.21	1.34	0.008579
-7.29	0.30	0.22	0.08	0.08	2.21	1.34	0.842635
1.51	0.21	0.20	0.01	0.07	2.21	1.34	86.645290
-3.04	1.21	0.34	0.87	0.08	2.21	1.34	0.040102
-4.29	1.70	0.46	1.25	0.12	2.21	1.34	0.018481
0.25	1.82	0.62	1.20	0.11	2.21	1.34	0.014331
2.67	2.04	0.84	1.21	0.08	2.21	1.34	0.007718
13.55	2.15	0.72	1.43	0.11	2.21	1.34	0.009248
23.66	2.38	0.78	1.60	0.15	2.21	1.34	0.002834
38.79	3.27	2.59	0.68	0.24	2.21	1.34	-0.049196
56.12	3.81	2.86	0.95	0.27	2.21	1.34	-0.062358
69.17	3.88	3.22	0.66	0.28	2.21	1.34	-0.070464
71.98	3.63	3.06	0.57	0.23	2.21	1.34	-0.071876
49.42	2.96	2.50	0.45	0.27	2.21	1.34	-0.103100
73.17	2.68	2.24	0.44	0.23	2.21	1.34	-0.244544
76.32	2.45	2.03	0.42	0.23	2.21	1.34	-0.303653
80.46	2.80	2.40	0.40	0.25	2.21	1.34	-0.397869
70.53	3.21	2.77	0.44	0.26	2.21	1.34	-0.273728
78.80	1.19	0.88	0.31	0.14	2.21	1.34	-1.402091
26.51	1.08	0.88	0.20	0.14	2.21	1.34	-9.539495
48.85	2.28	1.91	0.37	0.22	2.21	1.34	-1.048695
76.90	3.37	2.86	0.50	0.18	2.21	1.34	-0.098734
43.66	3.17	2.70	0.47	0.27	2.21	1.34	-0.124383
-29.14	2.46	2.02	0.44	0.35	2.21	1.34	-0.837997
36.89	2.80	2.72	0.08	0.19	2.21	1.34	-24.477583
22.74	2.91	2.40	0.50	0.20	2.21	1.34	-0.498594
27.67	3.04	2.01	1.04	0.27	2.21	1.34	-0.065795
21.17	3.16	2.17	0.98	0.21	2.21	1.34	-0.068195
17.10	2.93	2.61	0.32	0.18	2.21	1.34	-0.732747
20.47	3.18	2.43	0.75	0.25	2.21	1.34	-0.101743
7.74	2.90	2.34	0.56	0.21	2.21	1.34	-0.165636

-5.71	3.69	2.55	1.14	0.22	2.21	1.34	-0.023390
-4.76	3.84	3.01	0.83	0.24	2.21	1.34	-0.045941
-6.43	3.70	3.16	0.55	0.22	2.21	1.34	-0.099320
-11.19	4.02	2.71	1.32	0.26	2.21	1.34	-0.010234
-11.35	3.47	2.11	1.36	0.25	2.21	1.34	-0.007827
-10.37	2.35	1.47	0.88	0.16	2.21	1.34	-0.012786
-5.35	1.97	2.03	-0.05	0.17	2.21	1.34	-9.699864
-10.34	1.70	1.53	0.17	0.14	2.21	1.34	-0.354349
-14.01	2.28	1.41	0.87	0.17	2.21	1.34	0.051416
-34.43	3.19	2.14	1.06	0.23	2.21	1.34	0.006495
-30.82	3.08	2.37	0.71	0.23	2.21	1.34	-0.042251
-44.97	3.42	2.16	1.26	0.27	2.21	1.34	-0.010802
-36.93	3.29	1.96	1.33	0.26	2.21	1.34	0.000916
-23.16	2.33	0.84	1.50	0.18	2.21	1.34	-0.010054
-23.68	2.34	0.77	1.57	0.17	2.21	1.34	-0.011120
-21.78	2.44	1.37	1.07	0.16	2.21	1.34	-0.020985
-26.76	2.69	1.23	1.46	0.18	2.21	1.34	-0.009137
-21.83	2.41	1.83	0.58	0.16	2.21	1.34	-0.067487
-23.39	2.95	2.47	0.48	0.17	2.21	1.34	-0.075576
-16.01	3.03	2.17	0.86	0.09	2.21	1.34	-0.021257
-19.35	2.60	1.64	0.96	0.13	2.21	1.34	-0.007752
-17.97	2.39	1.84	0.56	0.12	2.21	1.34	-0.014482
-14.03	1.49	1.20	0.29	0.13	2.21	1.34	-0.162788
-4.06	1.76	1.23	0.53	0.10	2.21	1.34	-0.069049
-4.06	2.03	1.49	0.54	0.15	2.21	1.34	-0.025550
-5.12	1.98	1.44	0.54	0.13	2.21	1.34	0.026586
-7.81	2.64	2.04	0.61	0.16	2.21	1.34	0.045701
-8.67	2.35	1.74	0.61	0.15	2.21	1.34	0.062983
-6.64	1.75	1.22	0.53	0.10	2.21	1.34	0.068482
-5.78	2.21	1.62	0.59	0.12	2.21	1.34	0.057901
-5.81	3.00	2.28	0.71	0.14	2.21	1.34	0.041865
-5.59	2.28	1.71	0.57	0.13	2.21	1.34	0.048480
-4.42	2.07	1.47	0.59	0.11	2.21	1.34	0.038198
-6.48	2.92	2.18	0.74	0.17	2.21	1.34	0.029271
-2.81	3.51	2.78	0.73	0.18	2.21	1.34	0.028192
-1.53	4.26	3.35	0.91	0.21	2.21	1.34	0.007215
-1.22	4.02	3.18	0.84	0.22	2.21	1.34	0.012225
-3.52	3.47	2.63	0.84	0.18	2.21	1.34	0.018382
-11.65	3.19	2.55	0.64	0.20	2.21	1.34	0.067463
-5.27	2.30	1.76	0.53	0.14	2.21	1.34	0.075940
-6.74	1.30	0.87	0.42	0.08	2.21	1.34	0.079535
-4.06	2.06	1.45	0.60	0.11	2.21	1.34	0.019807
-4.82	1.99	1.44	0.56	0.13	2.21	1.34	0.036977
-2.58	1.85	1.29	0.56	0.13	2.21	1.34	0.051003
-2.40	1.57	1.06	0.51	0.09	2.21	1.34	0.081712
-4.34	1.18	0.79	0.40	0.12	2.21	1.34	0.283030
-9.72	3.37	2.58	0.79	0.19	2.21	1.34	0.117146
-1.49	4.83	3.69	1.14	0.19	2.21	1.34	0.039209
3.96	6.20	4.84	1.36	0.24	2.21	1.34	0.016240
14.39	6.74	5.19	1.55	0.25	2.21	1.34	0.007990
24.98	6.95	5.23	1.72	0.29	2.21	1.34	0.004547
30.69	7.86	5.95	1.91	0.29	2.21	1.34	0.003715

40.00	7.83	5.98	1.85	0.25	2.21	1.34	0.004140
56.63	7.35	5.81	1.54	0.23	2.21	1.34	0.007561
69.14	6.48	4.90	1.57	0.26	2.21	1.34	0.008694
66.44	8.32	5.36	2.96	0.47	2.21	1.34	0.002967
57.12	8.02	6.07	1.96	0.34	2.21	1.34	0.005626
12.08	7.25	4.19	3.06	0.45	2.21	1.34	-0.000161
-2.84	6.90	5.10	1.80	0.33	2.21	1.34	-0.010406
53.79	7.65	5.99	1.66	0.46	2.21	1.34	-0.011331
59.67	8.06	6.66	1.40	0.47	2.21	1.34	-0.005622
33.13	7.24	6.02	1.22	0.50	2.21	1.34	-0.009844
55.58	7.75	6.75	1.00	0.43	2.21	1.34	0.010679
92.98	7.13	6.32	0.81	0.46	2.21	1.34	-0.008022
69.13	8.00	7.18	0.82	0.48	2.21	1.34	-0.042736

H	U (upper)	U (lower)	dU	u_star	dz	ln(z1/z2)	Ri
99.36	4.24	3.70	0.55	0.33	2.11	1.24	0.061791
104.27	3.70	3.02	0.68	0.37	2.11	1.24	-0.020635
193.75	4.32	3.26	1.06	0.59	2.11	1.24	-0.010496
210.08	4.24	3.41	0.82	0.60	2.11	1.24	-0.021697
229.07	4.56	3.73	0.83	0.64	2.11	1.24	-0.017909
230.81	4.69	3.74	0.95	0.62	2.11	1.24	-0.028950
200.32	4.59	3.80	0.79	0.67	2.11	1.24	-0.047869
186.61	4.04	3.35	0.70	0.54	2.11	1.24	-0.067143
166.91	4.24	3.37	0.87	0.54	2.11	1.24	-0.035613
163.34	3.82	3.09	0.73	0.51	2.11	1.24	-0.058636
118.13	4.19	3.39	0.79	0.52	2.11	1.24	-0.044983
117.21	3.91	3.13	0.78	0.53	2.11	1.24	-0.038606
120.50	4.86	3.52	1.33	0.69	2.11	1.24	-0.009929
98.40	4.56	3.43	1.12	0.62	2.11	1.24	-0.008841
83.05	5.10	3.83	1.27	0.64	2.11	1.24	-0.005374
61.53	5.03	3.88	1.15	0.62	2.11	1.24	-0.002244
54.41	4.99	3.83	1.16	0.54	2.11	1.24	-0.001623
45.65	4.90	3.71	1.20	0.56	2.11	1.24	-0.000706
24.26	4.92	3.86	1.06	0.55	2.11	1.24	0.001275
14.65	4.92	3.89	1.04	0.49	2.11	1.24	0.002190
9.91	4.83	3.74	1.09	0.49	2.11	1.24	0.002626
2.96	4.64	3.68	0.96	0.45	2.11	1.24	0.004286
41.48	1.00	0.73	0.27	0.19	2.11	1.24	-0.224691
42.66	1.42	1.13	0.29	0.18	2.11	1.24	-0.094053
54.15	2.58	2.12	0.46	0.24	2.11	1.24	-0.073842
61.86	1.94	1.55	0.39	0.23	2.11	1.24	-0.090766
67.34	1.08	0.72	0.36	0.17	2.11	1.24	-0.186414
126.75	2.05	1.67	0.39	0.20	2.11	1.24	-0.152193
87.39	2.39	1.99	0.40	0.21	2.11	1.24	-0.142293
89.25	1.76	1.35	0.41	0.18	2.11	1.24	-0.190543
89.97	2.13	1.54	0.59	0.18	2.11	1.24	-0.090934
122.37	1.98	1.64	0.34	0.26	2.11	1.24	-0.434416
140.76	2.05	1.73	0.32	0.41	2.11	1.24	-0.346305
84.46	2.86	2.39	0.47	0.22	2.11	1.24	-0.076310
122.81	3.43	2.86	0.57	0.31	2.11	1.24	-0.059420
121.34	4.53	3.84	0.68	0.33	2.11	1.24	-0.038737

64.16	5.40	4.71	0.69	0.27	2.11	1.24	-0.031029
70.44	4.17	3.66	0.52	0.28	2.11	1.24	-0.049062
69.40	3.88	3.36	0.53	0.27	2.11	1.24	-0.041624
50.59	4.31	3.72	0.59	0.28	2.11	1.24	-0.021872
33.67	4.06	3.46	0.60	0.25	2.11	1.24	-0.017422
30.62	4.22	3.66	0.56	0.29	2.11	1.24	-0.015453
40.52	3.82	3.38	0.44	0.28	2.11	1.24	-0.033583
-20.84	2.92	2.56	0.36	0.15	2.11	1.24	0.183533
-18.88	1.23	0.75	0.48	0.15	2.11	1.24	0.101165
7.49	2.35	1.93	0.42	0.13	2.11	1.24	0.133435
107.40	0.83	0.73	0.10	0.18	2.11	1.24	4.812467
-17.48	1.15	0.79	0.37	0.11	2.11	1.24	0.257744
-17.44	1.35	1.02	0.33	0.17	2.11	1.24	0.318563
-20.20	2.34	1.85	0.49	0.13	2.11	1.24	0.181308
-8.70	1.85	1.45	0.39	0.08	2.11	1.24	0.241605
-10.02	0.99	0.53	0.46	0.08	2.11	1.24	0.181182
-5.26	1.35	1.02	0.33	0.05	2.11	1.24	0.417305
-2.98	1.02	0.63	0.39	0.06	2.11	1.24	0.309134
3.06	0.91	0.56	0.34	0.05	2.11	1.24	0.394942
-5.78	0.42	0.12	0.30	0.07	2.11	1.24	0.949326
-1.39	0.43	0.12	0.31	0.02	2.11	1.24	0.598721
-2.26	0.91	0.61	0.30	0.04	2.11	1.24	0.459099
-3.76	1.44	1.14	0.30	0.04	2.11	1.24	0.555396
-9.40	1.45	1.11	0.34	0.08	2.11	1.24	0.373688
-24.07	1.54	1.17	0.38	0.19	2.11	1.24	0.268461
-23.82	2.31	1.69	0.61	0.21	2.11	1.24	0.061118
-21.44	2.10	1.37	0.74	0.23	2.11	1.24	0.036394
-23.63	2.36	1.48	0.88	0.24	2.11	1.24	0.024831
-50.41	3.18	2.20	0.98	0.40	2.11	1.24	0.021012
-26.16	3.77	2.87	0.91	0.31	2.11	1.24	0.019017
-26.18	3.44	2.44	1.01	0.34	2.11	1.24	0.013664
-27.18	3.63	2.51	1.12	0.33	2.11	1.24	0.009351
-27.99	3.98	2.75	1.22	0.37	2.11	1.24	0.007329
-19.00	3.94	2.49	1.45	0.39	2.11	1.24	0.004164
-19.52	3.93	1.96	1.97	0.29	2.11	1.24	0.002284
-24.35	3.69	2.18	1.51	0.32	2.11	1.24	0.004872
-21.40	3.90	2.42	1.48	0.31	2.11	1.24	0.005192
-20.17	4.60	2.86	1.74	0.32	2.11	1.24	0.002901
-14.93	3.92	2.57	1.35	0.30	2.11	1.24	0.005919
-7.16	3.54	2.35	1.19	0.22	2.11	1.24	0.005051
-5.54	2.96	1.78	1.18	0.23	2.11	1.24	0.004544
9.62	3.63	2.12	1.52	0.44	2.11	1.24	0.003599
17.07	4.83	2.48	2.35	0.49	2.11	1.24	0.001113
30.42	5.30	2.54	2.77	0.58	2.11	1.24	0.000268
66.25	4.15	2.07	2.08	0.79	2.11	1.24	-0.001295
105.58	5.32	2.44	2.88	0.84	2.11	1.24	-0.001088
115.85	5.84	2.81	3.03	0.78	2.11	1.24	-0.001375
130.91	4.68	2.16	2.52	0.79	2.11	1.24	-0.002470
168.82	4.92	2.88	2.04	0.87	2.11	1.24	-0.006102
147.24	5.17	2.88	2.29	0.67	2.11	1.24	-0.007400
175.15	4.26	2.62	1.63	0.71	2.11	1.24	-0.011136

175.27	4.62	2.83	1.78	0.74	2.11	1.24	-0.008236
186.11	5.42	3.81	1.61	0.73	2.11	1.24	-0.008145
221.75	4.85	3.28	1.57	0.70	2.11	1.24	-0.001506
229.05	4.60	2.63	1.97	0.76	2.11	1.24	-0.003668
224.62	4.78	2.67	2.12	0.78	2.11	1.24	-0.001428
164.33	4.80	2.84	1.96	0.58	2.11	1.24	-0.000311
118.56	3.57	2.11	1.45	0.33	2.11	1.24	0.000981
115.92	2.89	2.07	0.82	0.26	2.11	1.24	-0.007033
228.61	2.55	1.66	0.89	0.51	2.11	1.24	-0.005188
135.22	2.98	1.65	1.33	0.28	2.11	1.24	-0.003302
159.53	3.50	2.47	1.04	0.36	2.11	1.24	0.001647
223.82	3.22	2.02	1.20	0.61	2.11	1.24	0.000162
371.27	4.26	3.09	1.17	0.95	2.11	1.24	0.003455
347.88	6.28	4.75	1.53	1.03	2.11	1.24	0.015442
330.15	6.57	4.96	1.61	0.99	2.11	1.24	0.010518
237.24	5.86	4.54	1.31	0.88	2.11	1.24	0.006270
242.45	5.59	4.29	1.30	0.85	2.11	1.24	0.010649
229.05	5.73	4.35	1.38	0.82	2.11	1.24	0.006569

14.53	2.46	2.21	0.25	0.08	2.11	1.24	-0.160753
55.00	1.78	1.67	0.11	0.22	2.11	1.24	0.559929
65.51	3.36	2.94	0.42	0.28	2.11	1.24	0.017930
80.77	3.11	2.74	0.37	0.30	2.11	1.24	-0.082225
91.69	2.51	2.18	0.32	0.30	2.11	1.24	-0.166376
84.66	3.20	2.81	0.39	0.22	2.11	1.24	-0.098068
97.24	4.32	3.85	0.48	0.33	2.11	1.24	-0.075367
91.10	5.41	4.82	0.59	0.33	2.11	1.24	-0.044932
126.46	4.95	4.46	0.49	0.39	2.11	1.24	-0.060911

H	U (upper)	U (lower)	dU	u_star	dz	ln(z1/z2)	Ri
1.71	4.52	3.73	0.79	0.22	2.11	1.33	0.014378
3.58	4.47	3.62	0.84	0.32	2.11	1.33	0.016087
0.97	6.51	5.29	1.22	0.30	2.11	1.33	0.008526
-1.65	4.73	3.91	0.82	0.36	2.11	1.33	0.019678
-0.88	5.86	4.89	0.97	0.28	2.11	1.33	0.001694
-0.10	4.69	3.86	0.83	0.37	2.11	1.33	0.002278
-3.44	5.00	4.17	0.83	0.34	2.11	1.33	0.004543
-3.43	4.82	3.96	0.86	0.29	2.11	1.33	0.005654
-5.84	5.56	4.64	0.91	0.30	2.11	1.33	0.006172
-9.56	6.27	5.23	1.04	0.34	2.11	1.33	0.005578
-14.71	5.88	4.82	1.06	0.38	2.11	1.33	0.005741
-12.17	6.30	5.11	1.19	0.30	2.11	1.33	0.005209
-15.22	5.54	4.51	1.03	0.33	2.11	1.33	0.008665
-15.03	5.99	4.86	1.13	0.28	2.11	1.33	0.008912
-20.74	6.10	4.91	1.19	0.33	2.11	1.33	0.008381
-19.55	5.85	4.65	1.19	0.29	2.11	1.33	0.009119
-18.86	6.26	4.96	1.30	0.29	2.11	1.33	0.007455
-18.37	5.82	4.67	1.15	0.23	2.11	1.33	0.012297
-21.59	6.03	4.82	1.21	0.32	2.11	1.33	0.010935
-21.26	6.09	4.94	1.15	0.30	2.11	1.33	0.010464



-21.49	5.25	4.27	0.98	0.31	2.11	1.33	0.009656
-18.12	4.68	3.78	0.90	0.26	2.11	1.33	0.013010
-24.34	4.98	4.06	0.92	0.27	2.11	1.33	0.010604
-18.09	4.31	3.47	0.84	0.23	2.11	1.33	0.009114
-16.99	3.93	3.13	0.80	0.21	2.11	1.33	0.009808
-13.47	4.15	3.33	0.82	0.22	2.11	1.33	0.011161
-19.98	4.35	3.51	0.83	0.22	2.11	1.33	0.008129
-23.79	4.42	3.55	0.87	0.24	2.11	1.33	0.005116
16.99	3.20	2.70	0.51	0.13	2.11	1.33	-0.038017
23.97	3.52	2.85	0.67	0.15	2.11	1.33	-0.036825
32.80	4.25	3.39	0.85	0.24	2.11	1.33	-0.005383
29.14	4.17	3.28	0.89	0.21	2.11	1.33	-0.011161
34.46	4.35	3.46	0.89	0.24	2.11	1.33	-0.012343
38.98	3.35	2.70	0.65	0.13	2.11	1.33	-0.008039
38.82	3.29	2.65	0.64	0.18	2.11	1.33	-0.040859
55.02	2.92	2.31	0.61	0.16	2.11	1.33	-0.034213
51.93	2.44	1.96	0.47	0.27	2.11	1.33	-0.089227
41.41	2.44	2.08	0.36	0.19	2.11	1.33	-0.167171
47.67	2.73	2.24	0.49	0.23	2.11	1.33	-0.052074
47.87	2.91	2.53	0.38	0.16	2.11	1.33	-0.148394
44.79	3.25	2.72	0.53	0.22	2.11	1.33	-0.087078
38.57	4.21	3.78	0.43	0.19	2.11	1.33	-0.097935
-1.25	3.76	3.42	0.34	0.27	2.11	1.33	-0.101557
-2.24	4.14	3.61	0.53	0.24	2.11	1.33	-0.024382
-4.08	3.43	3.00	0.42	0.30	2.11	1.33	0.076370
-7.32	2.68	2.35	0.33	0.29	2.11	1.33	0.094869
-15.13	2.55	2.20	0.35	0.16	2.11	1.33	0.135525
-13.61	2.50	2.17	0.33	0.12	2.11	1.33	0.147491
-15.54	2.93	2.64	0.29	0.18	2.11	1.33	0.212528
-18.65	3.23	2.91	0.32	0.19	2.11	1.33	0.213089
-23.05	3.15	2.86	0.29	0.24	2.11	1.33	0.287837
-24.50	3.33	3.03	0.30	0.20	2.11	1.33	0.263996
-19.97	4.44	3.98	0.46	0.20	2.11	1.33	0.111264
-29.40	4.93	4.39	0.54	0.26	2.11	1.33	0.072078
-24.75	4.42	3.94	0.48	0.25	2.11	1.33	0.055896
-20.28	4.17	3.75	0.42	0.19	2.11	1.33	0.106658
-28.68	4.14	3.56	0.58	0.23	2.11	1.33	0.051641
-25.10	4.70	4.07	0.62	0.22	2.11	1.33	0.037024
-29.10	4.90	4.20	0.70	0.26	2.11	1.33	0.024758
-28.95	4.53	4.00	0.53	0.28	2.11	1.33	0.055311
-20.62	3.56	3.16	0.40	0.19	2.11	1.33	0.108006
-17.66	2.71	2.45	0.26	0.19	2.11	1.33	0.236737
-12.83	2.46	2.28	0.18	0.13	2.11	1.33	0.618898
-10.18	2.49	2.25	0.24	0.13	2.11	1.33	0.321701
-12.84	3.13	2.81	0.31	0.17	2.11	1.33	0.140649
-18.65	3.41	3.04	0.37	0.19	2.11	1.33	0.085852
-18.70	2.84	2.55	0.28	0.19	2.11	1.33	0.172184
-16.24	3.07	2.73	0.34	0.16	2.11	1.33	0.140464
-16.49	3.29	2.99	0.30	0.19	2.11	1.33	0.168439
-15.36	3.42	2.94	0.48	0.20	2.11	1.33	0.063035

-19.31	3.67	3.24	0.43	0.21	2.11	1.33	0.088652
-18.50	3.62	3.21	0.41	0.19	2.11	1.33	0.088497
-15.73	3.52	3.11	0.41	0.18	2.11	1.33	0.097996
-16.73	3.37	3.01	0.36	0.20	2.11	1.33	0.135334
-16.81	3.34	2.97	0.37	0.18	2.11	1.33	0.137266
-16.32	3.28	2.95	0.33	0.20	2.11	1.33	0.174968
-16.35	3.39	3.02	0.37	0.20	2.11	1.33	0.124065
-18.35	3.69	3.24	0.45	0.19	2.11	1.33	0.099468
-22.99	3.27	2.81	0.47	0.19	2.11	1.33	0.086837
-17.63	3.65	3.16	0.49	0.16	2.11	1.33	0.085342
-20.16	4.09	3.61	0.48	0.20	2.11	1.33	0.079683
-21.74	4.58	4.04	0.54	0.20	2.11	1.33	0.050578
-21.30	5.02	4.43	0.59	0.23	2.11	1.33	0.038058
-19.47	4.76	4.21	0.55	0.21	2.11	1.33	0.045884
-17.83	4.59	4.03	0.56	0.23	2.11	1.33	0.043668
-19.32	4.51	3.95	0.56	0.23	2.11	1.33	0.034643
-22.53	4.25	3.76	0.49	0.28	2.11	1.33	0.051976
-21.06	4.46	3.88	0.58	0.22	2.11	1.33	0.040932
-24.08	4.55	3.99	0.56	0.26	2.11	1.33	0.040960
-18.41	4.80	4.21	0.59	0.23	2.11	1.33	0.034486
-18.81	4.96	4.30	0.67	0.26	2.11	1.33	0.020667
-11.83	4.39	3.73	0.66	0.23	2.11	1.33	0.016192
-12.16	5.07	4.13	0.93	0.22	2.11	1.33	0.008933
-8.87	4.90	4.00	0.90	0.25	2.11	1.33	0.008371
1.72	5.86	4.81	1.05	0.25	2.11	1.33	-0.001916
8.61	5.42	4.49	0.93	0.31	2.11	1.33	-0.004914
12.44	4.65	3.86	0.79	0.27	2.11	1.33	-0.012073
12.49	4.43	3.61	0.82	0.24	2.11	1.33	-0.018376
22.78	3.49	2.87	0.62	0.24	2.11	1.33	-0.051480
25.83	3.22	2.65	0.57	0.25	2.11	1.33	-0.058440
18.65	2.66	2.17	0.50	0.18	2.11	1.33	-0.046062
28.46	3.43	2.85	0.58	0.20	2.11	1.33	-0.039891
20.38	3.91	3.19	0.71	0.20	2.11	1.33	-0.013427
37.43	4.08	3.32	0.76	0.23	2.11	1.33	-0.031403
38.78	3.91	3.25	0.66	0.24	2.11	1.33	-0.051245
53.58	3.86	3.23	0.64	0.28	2.11	1.33	-0.066625
63.85	3.69	3.08	0.61	0.28	2.11	1.33	-0.123294
47.26	3.93	3.24	0.69	0.25	2.11	1.33	-0.077662
19.15	3.68	3.10	0.58	0.28	2.11	1.33	-0.038358
10.00	3.75	3.10	0.65	0.25	2.11	1.33	-0.009768

	abs(Ri)	L	z/L	abs(z/L)	phi M	phi H	phi W
0.342604	0.22	-3.80	-0.53	0.53	1.08	0.67	-0.01
0.415718	0.58	-2.05	-0.98	0.98	0.89	0.64	0.09
0.622527	0.45	-8.05	-0.25	0.25	0.60	0.88	0.18
0.432960	0.55	-5.68	-0.35	0.35	0.86	1.52	0.17
0.425847	1.01	-3.09	-0.65	0.65	0.87	1.52	0.09
0.387258	0.74	-2.77	-0.72	0.72	0.96	1.24	0.11
0.534001	0.64	-4.08	-0.49	0.49	0.70	0.79	0.13
0.707579	0.80	-5.56	-0.36	0.36	0.52	0.76	0.13
0.967964	1.28	-6.39	-0.31	0.31	0.38	0.74	0.14
0.546813	0.13	-3.17	-0.63	0.63	0.68	0.12	0.05
1.877751	1.16	-3.03	-0.66	0.66	0.20	0.08	0.04
0.693762	1.96	-1.84	-1.09	1.09	0.54	-0.75	-0.01
0.648837	2.34	-0.75	-2.66	2.66	0.57	-0.40	-0.02
0.597581	0.25	-1.46	-1.37	1.37	0.62	-0.09	0.04
2.838298	10.84	-6.05	-0.33	0.33	0.13	-0.79	-0.03
0.910243	0.93	-20.61	-0.10	0.10	0.41	-3.39	-0.09
0.308612	0.06	-7.77	-0.26	0.26	1.20	-0.55	-0.09

	abs(Ri)	L	z/L	abs(z/L)	phi M	phi H	phi W
0.143127	0.07	9.56	0.21	0.21	2.29	1.72	1.39
0.249917	0.05	22.15	0.09	0.09	1.31	1.05	1.14
0.216034	0.11	13.05	0.15	0.15	1.52	1.53	1.28
0.177280	0.10	7.52	0.27	0.27	1.85	1.37	3.31
0.202620	0.16	-32.14	-0.06	0.06	1.62	-191.03	1.14
0.135915	0.13	3.45	0.58	0.58	2.41	1.45	2.16
0.902837	6.15	10.38	0.19	0.19	0.36	4.67	7.17
0.209949	0.20	5.07	0.39	0.39	1.56	1.16	1.06
0.495800	2.32	104.08	0.02	0.02	0.66	25.78	2.72
0.231560	0.21	6.61	0.30	0.30	1.42	1.43	0.91
0.292494	0.05	18.12	0.11	0.11	1.12	0.62	1.31
0.305706	0.03	17.12	0.12	0.12	1.07	0.27	1.10
0.360317	0.03	50.82	0.04	0.04	0.91	0.54	1.06
0.455984	0.05	30.19	0.07	0.07	0.72	0.41	0.99

					phi M	phi H	phi W
0.592435	0.28	-6.67	-0.30	0.30	0.55	-0.40	0.62
0.666558	0.11	-8.03	-0.25	0.25	0.49	-0.15	0.52
0.334365	0.17	-3.06	-0.65	0.65	0.98	-0.36	0.39
0.272625	0.32	-1.92	-1.04	1.04	1.20	0.62	0.21
0.573692	1.15	-5.27	-0.38	0.38	0.57	1.39	0.04
0.664415	0.68	-11.45	-0.17	0.17	0.49	1.32	0.42
0.257858	0.23	-3.91	-0.51	0.51	1.27	1.02	0.26
0.500620	0.53	-7.50	-0.27	0.27	0.65	1.16	0.39
0.464016	0.74	-4.70	-0.43	0.43	0.71	1.20	0.32
0.361009	0.38	-4.99	-0.40	0.40	0.91	1.08	0.26
0.602888	0.55	-13.92	-0.14	0.14	0.54	1.56	0.46
0.481097	0.22	-26.30	-0.08	0.08	0.68	1.81	0.88
0.702731	0.33	-37.98	-0.05	0.05	0.47	1.84	0.54
0.508719	0.19	-44.33	-0.05	0.05	0.64	2.44	0.42
0.445708	0.26	-3.36	-0.60	0.60	0.74	0.33	1.05

0.488424	0.49	-1.48	-1.35	1.35	0.67	0.23	0.48
0.733419	0.90	-2.98	-0.67	0.67	0.45	0.37	0.49
0.530967	0.50	-3.77	-0.53	0.53	0.62	0.49	0.78
0.789413	0.27	-10.28	-0.19	0.19	0.42	0.33	1.19
0.795669	0.03	-36.89	-0.05	0.05	0.41	0.11	1.09
0.565140	0.06	-35.36	-0.06	0.06	0.58	0.47	1.20
0.821019	0.08	-52.12	-0.04	0.04	0.40	0.45	1.19
0.769993	0.06	-60.58	-0.03	0.03	0.43	0.44	1.17
0.529008	0.02	-91.43	-0.02	0.02	0.62	0.46	1.20
0.661231	0.03	-113.00	-0.02	0.02	0.50	0.46	2.12
0.519489	0.01	-94.23	-0.02	0.02	0.63	0.23	2.35

0.312552	0.07	-63.96	-0.03	0.03	1.06	3.71	1.83
0.261528	0.05	-55.15	-0.04	0.04	1.26	2.84	-0.03
0.246542	0.05	-45.11	-0.04	0.04	1.34	2.76	-0.15
0.250369	0.04	-54.93	-0.04	0.04	1.32	2.76	-0.12
0.184279	0.03	-37.91	-0.05	0.05	1.79	2.54	-0.32
0.430670	0.12	-54.83	-0.04	0.04	0.77	2.65	0.34
0.460651	0.12	-49.12	-0.04	0.04	0.72	2.05	0.13
0.413933	0.11	-51.62	-0.04	0.04	0.80	2.49	0.63
0.502209	0.11	-65.99	-0.03	0.03	0.66	2.26	0.55
0.278076	0.03	-94.84	-0.02	0.02	1.19	2.32	0.99
0.238730	0.01	-185.54	-0.01	0.01	1.38	3.27	1.84
0.319078	0.03	-108.30	-0.02	0.02	1.04	2.51	1.80
0.311444	0.04	-164.21	-0.01	0.01	1.06	5.45	1.29
0.316831	0.03	-130.39	-0.02	0.02	1.04	3.35	2.08
0.291692	0.02	-149.01	-0.01	0.01	1.13	3.14	2.33
0.358339	0.03	-177.37	-0.01	0.01	0.92	2.98	2.29
0.447015	0.07	-143.60	-0.01	0.01	0.74	3.87	1.23
0.347733	0.04	-284.70	-0.01	0.01	0.95	7.36	2.41
0.415333	0.04	-343.32	-0.01	0.01	0.80	6.09	4.24
0.451980	0.04	-612.40	0.00	0.00	0.73	8.33	3.47
0.431840	0.01	339.56	0.01	0.01	0.77	-1.33	-2.48
0.439993	0.04	285.64	0.01	0.01	0.75	4.13	0.32
0.385465	0.06	141.38	0.01	0.01	0.86	3.98	3.19
0.636313	0.14	120.29	0.02	0.02	0.52	2.97	-2.11
0.756937	0.21	91.53	0.02	0.02	0.44	2.45	0.21
0.679909	0.19	60.02	0.03	0.03	0.49	1.73	-0.70
0.785434	0.31	117.62	0.02	0.02	0.42	4.31	-0.61
0.714214	0.75	31.47	0.06	0.06	0.46	3.38	0.23
0.904718	0.67	61.46	0.03	0.03	0.37	3.73	1.56
0.298863	0.11	47.76	0.04	0.04	1.11	4.18	2.32
0.144590	0.04	15.83	0.13	0.13	2.28	2.16	5.48
0.114605	0.02	14.66	0.14	0.14	2.88	1.27	3.05
0.198352	0.03	50.27	0.04	0.04	1.67	2.54	5.03
0.086508	0.01	6.95	0.29	0.29	3.82	0.82	1.76
0.079175	0.00	7.41	0.27	0.27	4.17	0.09	2.09
0.083298	0.01	5.08	0.39	0.39	3.97	0.31	1.55
0.108925	0.01	7.42	0.27	0.27	3.03	0.31	1.37
0.096694	0.00	7.27	0.27	0.27	3.42	0.19	0.73

0.117741	0.01	8.17	0.24	0.24	2.81	0.60	0.62
0.208203	0.10	1.94	1.03	1.03	1.59	-0.32	0.80
0.279527	0.24	18.94	0.11	0.11	1.18	-4.85	0.76
0.919336	2.10	-11.87	-0.17	0.17	0.36	-22.24	0.02
0.188852	0.03	3.12	0.64	0.64	1.75	0.21	-0.02
0.499814	0.74	23.74	0.08	0.08	0.66	4.76	844.48
0.098782	0.02	14.83	0.13	0.13	3.34	1.99	-1.42
0.115920	0.02	16.88	0.12	0.12	2.85	1.36	-1.17
0.069810	0.00	8.65	0.23	0.23	4.73	0.62	1.42
0.071360	0.00	9.51	0.21	0.21	4.63	0.21	3.37
0.077082	0.00	9.97	0.20	0.20	4.29	0.22	2.37
0.068002	0.00	5.51	0.36	0.36	4.86	-0.41	1.10
0.107264	0.01	8.02	0.25	0.25	3.08	-0.26	0.44
0.095562	0.00	8.73	0.23	0.23	3.46	-0.15	0.68
0.079686	0.00	4.18	0.48	0.48	4.15	-0.14	0.61
0.081968	0.02	6.65	0.30	0.30	4.03	-1.28	1.02
0.095316	0.00	5.43	0.37	0.37	3.47	-0.09	0.31
0.133673	0.03	9.81	0.20	0.20	2.47	1.08	1.62
0.082478	0.01	6.88	0.29	0.29	4.01	0.83	0.95
0.099258	0.01	9.40	0.21	0.21	3.33	0.83	1.23
0.087469	0.01	7.45	0.27	0.27	3.78	0.59	1.03
0.092663	0.01	4.39	0.46	0.46	3.57	0.33	0.52
1.081980	0.84	4.91	0.41	0.41	0.31	0.25	0.98
6.290764	86.65	-14.48	-0.14	0.14	0.05	-3.08	-0.32
0.098575	0.04	21.15	0.09	0.09	3.35	3.77	0.17
0.105296	0.02	33.94	0.06	0.06	3.14	3.84	-71.23
0.099455	0.01	-106.48	-0.02	0.02	3.32	-43.10	1.57
0.073119	0.01	-12.08	-0.17	0.17	4.52	-1.62	1.02
0.085489	0.01	-7.29	-0.27	0.27	3.86	-0.74	0.51
0.100453	0.00	-9.83	-0.20	0.20	3.29	-0.22	-0.06
0.384429	0.05	-25.55	-0.08	0.08	0.86	0.66	-0.21
0.310733	0.06	-26.85	-0.07	0.07	1.06	1.31	0.00
0.461339	0.07	-24.31	-0.08	0.08	0.72	0.61	-0.16
0.455218	0.07	-14.17	-0.14	0.14	0.73	0.37	-0.24
0.654368	0.10	-31.07	-0.06	0.06	0.50	0.57	-0.68
0.569819	0.24	-12.98	-0.15	0.15	0.58	0.74	-0.01
0.596245	0.30	-12.54	-0.16	0.16	0.55	0.80	-0.11
0.699192	0.40	-15.22	-0.13	0.13	0.47	0.97	-0.20
0.645882	0.27	-18.62	-0.11	0.11	0.51	0.95	-0.41
0.485312	1.40	-2.71	-0.74	0.74	0.68	1.19	-0.30
0.766747	9.54	-6.72	-0.30	0.30	0.43	10.60	-0.07
0.657393	1.05	-15.10	-0.13	0.13	0.50	3.13	0.06
0.394564	0.10	-6.17	-0.32	0.32	0.84	0.29	-0.19
0.626710	0.12	-31.69	-0.06	0.06	0.53	0.84	0.11
0.875785	0.84	258.59	0.01	0.01	0.38	-10.07	0.93
2.629321	24.48	-13.88	-0.14	0.14	0.13	4.07	0.34
0.436984	0.50	-23.81	-0.08	0.08	0.76	5.58	0.39
0.288304	0.07	-46.70	-0.04	0.04	1.15	3.44	0.35
0.235505	0.07	-29.55	-0.07	0.07	1.40	3.28	0.25
0.625417	0.73	-25.29	-0.08	0.08	0.53	4.06	0.02
0.372996	0.10	-57.70	-0.03	0.03	0.89	3.55	-0.10
0.404293	0.17	-70.73	-0.03	0.03	0.82	6.99	-0.03

0.212378	0.02	327.88	0.01	0.01	1.56	-5.76	0.05
0.323161	0.05	545.64	0.00	0.00	1.02	-8.10	0.30
0.436390	0.10	194.76	0.01	0.01	0.76	-4.92	0.57
0.218288	0.01	165.14	0.01	0.01	1.51	-2.03	0.93
0.201399	0.01	136.12	0.01	0.01	1.64	-1.57	1.13
0.203437	0.01	39.55	0.05	0.05	1.62	-0.75	0.61
-3.630463	9.70	90.49	0.02	0.02	-0.09	-3.92	0.72
0.903178	0.35	22.59	0.09	0.09	0.37	-0.63	1.98
0.213940	0.05	32.54	0.06	0.06	1.54	2.27	0.41
0.244219	0.01	34.60	0.06	0.06	1.35	0.24	-6541313.29
0.353470	0.04	36.13	0.06	0.06	0.93	-0.77	0.39
0.235557	0.01	41.01	0.05	0.05	1.40	-0.50	0.13
0.220005	0.00	47.55	0.04	0.04	1.50	0.06	0.10
0.134829	0.01	24.68	0.08	0.08	2.45	-0.87	0.02
0.116313	0.01	17.78	0.11	0.11	2.84	-0.94	-0.03
0.161106	0.02	16.63	0.12	0.12	2.05	-0.85	-0.10
0.136379	0.01	20.77	0.10	0.10	2.42	-0.65	-0.13
0.299630	0.07	16.55	0.12	0.12	1.10	-0.80	-0.21
0.387755	0.08	18.84	0.11	0.11	0.85	-0.61	-0.36
0.112696	0.02	3.83	0.52	0.52	2.93	-0.42	-0.44
0.145301	0.01	9.45	0.21	0.21	2.27	-0.23	0.59
0.247437	0.01	9.77	0.20	0.20	1.34	-0.15	0.06
0.488559	0.16	14.25	0.14	0.14	0.68	-0.63	-0.19
0.208764	0.07	23.49	0.09	0.09	1.58	-2.30	1.20
0.304087	0.03	79.27	0.03	0.03	1.09	-1.33	3.17
0.260342	0.03	34.11	0.06	0.06	1.27	0.91	-39.87
0.287562	0.05	43.09	0.05	0.05	1.15	1.64	-11.67
0.278192	0.06	35.17	0.06	0.06	1.19	2.02	-3.48
0.216672	0.07	14.22	0.14	0.14	1.52	1.46	-3.12
0.221490	0.06	23.03	0.09	0.09	1.49	1.95	-2.99
0.212491	0.04	35.80	0.06	0.06	1.55	2.43	-3.41
0.261263	0.05	35.19	0.06	0.06	1.26	1.80	-3.93
0.204374	0.04	25.12	0.08	0.08	1.62	1.62	-5.28
0.258238	0.03	63.13	0.03	0.03	1.28	2.04	-2.55
0.277442	0.03	169.49	0.01	0.01	1.19	4.74	-4.53
0.259387	0.01	1878.57	0.00	0.00	1.27	4.02	1.96
0.290090	0.01	641.26	0.00	0.00	1.14	7.52	-9.95
0.232856	0.02	126.37	0.02	0.02	1.42	3.15	-5.71
0.351486	0.07	58.31	0.03	0.03	0.94	2.29	-1.27
0.282777	0.08	40.87	0.05	0.05	1.17	2.69	-1.80
0.196098	0.08	5.52	0.36	0.36	1.68	0.77	2.30
0.199074	0.02	26.97	0.07	0.07	1.66	0.93	-3.83
0.252924	0.04	36.87	0.05	0.05	1.31	1.48	-5.40
0.247014	0.05	67.29	0.03	0.03	1.34	3.81	-284.16
0.192357	0.08	25.92	0.08	0.08	1.72	3.80	20.17
0.325707	0.28	31.01	0.06	0.06	1.01	5.72	-19.89
0.268388	0.12	82.46	0.02	0.02	1.23	6.98	1.92
0.185095	0.04	-284.94	-0.01	0.01	1.78	31.55	0.99
0.194307	0.02	-135.03	-0.01	0.01	1.70	-8.83	-0.49
0.176768	0.01	-71.22	-0.03	0.03	1.87	-1.63	0.02
0.184340	0.00	-70.93	-0.03	0.03	1.79	-0.76	0.22
0.165263	0.00	-57.33	-0.03	0.03	2.00	-0.62	0.33

0.148789	0.00	-30.29	-0.07	0.07	2.22	-0.44	0.47
0.167073	0.01	-17.86	-0.11	0.11	1.98	-0.36	0.56
0.184521	0.01	-21.27	-0.09	0.09	1.79	-0.41	0.55
0.175091	0.00	-128.48	-0.02	0.02	1.89	-0.92	-0.99
0.190581	0.01	-55.55	-0.04	0.04	1.73	-0.64	-0.32
0.161760	0.00	-512.99	0.00	0.00	2.04	0.28	-0.06
0.202094	0.01	-5944.46	0.00	0.00	1.63	-19.56	-3.70
0.308928	0.01	-156.53	-0.01	0.01	1.07	1.33	-9.26
0.370051	0.01	-143.01	-0.01	0.01	0.89	0.43	-7.59
0.450687	0.01	-298.97	-0.01	0.01	0.73	1.11	-4.20
0.472395	0.01	-115.34	-0.02	0.02	0.70	-0.41	-2.77
0.626808	0.01	-87.15	-0.02	0.02	0.53	0.13	-3.58
0.640476	0.04	-124.31	-0.02	0.02	0.52	0.99	-2.57
					phi M	phi H	phi W
0.628383	0.06	-25.78	-0.08	0.08	0.54	-0.34	0.26
0.574463	0.02	-36.75	-0.05	0.05	0.59	0.19	0.31
0.592544	0.01	-85.10	-0.02	0.02	0.57	0.20	0.39
0.765341	0.02	-78.35	-0.03	0.03	0.44	0.23	0.10
0.813489	0.02	-86.43	-0.02	0.02	0.42	0.19	-0.03
0.693171	0.03	-79.26	-0.03	0.03	0.49	0.39	-0.06
0.894028	0.05	-110.77	-0.02	0.02	0.38	0.56	-0.01
0.812174	0.07	-63.79	-0.03	0.03	0.42	0.52	-0.04
0.650943	0.04	-70.34	-0.03	0.03	0.52	0.48	0.02
0.745139	0.06	-64.27	-0.03	0.03	0.46	0.53	0.05
0.691959	0.04	-85.90	-0.02	0.02	0.49	0.68	0.06
0.717929	0.04	-94.05	-0.02	0.02	0.47	0.60	0.07
0.547923	0.01	-199.47	-0.01	0.01	0.62	0.56	0.44
0.581707	0.01	-178.75	-0.01	0.01	0.58	0.39	0.34
0.532957	0.01	-222.45	-0.01	0.01	0.64	0.37	0.27
0.567861	0.00	-266.44	-0.01	0.01	0.60	0.17	0.39
0.495197	0.00	-205.90	-0.01	0.01	0.69	0.12	0.48
0.496455	0.00	-261.16	-0.01	0.01	0.68	0.07	0.36
0.548191	0.00	-413.83	0.00	0.00	0.62	-0.18	0.32
0.498321	0.00	-431.47	0.00	0.00	0.68	-0.43	0.22
0.470363	0.00	-585.85	0.00	0.00	0.72	-0.84	0.26
0.490760	0.00	-940.69	0.00	0.00	0.69	-3.31	-0.02
0.743060	0.22	-11.72	-0.17	0.17	0.46	0.40	-0.71
0.646669	0.09	-10.04	-0.20	0.20	0.53	0.18	0.35
0.543293	0.07	-19.15	-0.10	0.10	0.63	0.39	-2.50
0.617418	0.09	-14.70	-0.14	0.14	0.55	0.29	0.34
0.510695	0.19	-5.95	-0.34	0.34	0.67	0.34	0.18
0.547058	0.15	-5.05	-0.40	0.40	0.62	0.20	0.15
0.548286	0.14	-7.63	-0.26	0.26	0.62	0.30	0.17
0.453781	0.19	-4.70	-0.43	0.43	0.75	0.35	0.20
0.315263	0.09	-4.77	-0.42	0.42	1.08	0.35	0.19
0.797849	0.43	-11.18	-0.18	0.18	0.43	0.58	0.28
1.339417	0.35	-37.92	-0.05	0.05	0.25	0.57	0.30
0.493397	0.08	-9.59	-0.21	0.21	0.69	0.25	0.24
0.568815	0.06	-18.14	-0.11	0.11	0.60	0.27	0.30
0.501825	0.04	-21.76	-0.09	0.09	0.68	0.27	0.41

0.404213	0.03	-21.15	-0.09	0.09	0.84	0.35	0.42
0.580693	0.05	-23.68	-0.08	0.08	0.59	0.30	0.38
0.545761	0.04	-21.39	-0.09	0.09	0.62	0.25	0.29
0.494404	0.02	-29.33	-0.07	0.07	0.69	0.24	0.31
0.444456	0.02	-31.75	-0.06	0.06	0.76	0.27	0.36
0.535823	0.02	-48.83	-0.04	0.04	0.63	0.26	0.38
0.660988	0.03	-34.31	-0.06	0.06	0.51	0.25	0.29
0.440404	0.18	17.10	0.12	0.12	0.77	0.95	69.23
0.340048	0.10	19.53	0.10	0.10	1.00	1.05	0.21
0.322256	0.13	-22.20	-0.09	0.09	1.05	-2.29	-0.34
1.981502	4.81	-4.90	-0.41	0.41	0.17	-0.42	-2.31
0.308972	0.26	6.92	0.29	0.29	1.10	1.17	-0.69
0.553764	0.32	28.84	0.07	0.07	0.61	1.86	-0.30
0.271097	0.18	9.55	0.21	0.21	1.25	1.51	-0.06
0.200861	0.24	4.64	0.43	0.43	1.69	1.81	-0.09
0.174331	0.18	4.09	0.49	0.49	1.95	1.60	-0.51
0.167243	0.42	2.49	0.80	0.80	2.03	2.42	-0.72
0.171660	0.31	8.17	0.24	0.24	1.98	5.75	-1.68
0.165810	0.39	-5.23	-0.38	0.38	2.05	-4.51	0.44
0.229226	0.95	4.51	0.44	0.44	1.48	5.42	1.35
0.059901	0.60	0.35	5.70	5.70	5.67	4.08	497.69
0.126651	0.46	1.87	1.07	1.07	2.68	3.66	-0.36
0.147399	0.56	1.82	1.10	1.10	2.31	3.12	-0.95
0.255624	0.37	5.55	0.36	0.36	1.33	2.08	-1.04
0.532941	0.27	26.90	0.07	0.07	0.64	1.66	-0.53
0.354680	0.06	34.15	0.06	0.06	0.96	1.10	0.01
0.323232	0.04	49.70	0.04	0.04	1.05	1.15	-1.07
0.291432	0.02	56.23	0.04	0.04	1.17	1.09	-0.84
0.424735	0.02	115.33	0.02	0.02	0.80	0.87	-0.24
0.357171	0.02	101.95	0.02	0.02	0.95	1.01	0.22
0.357090	0.01	141.64	0.01	0.01	0.95	0.99	-0.14
0.314013	0.01	127.75	0.02	0.02	1.08	0.79	-0.46
0.314906	0.01	168.45	0.01	0.01	1.08	0.79	-0.78
0.284317	0.00	296.58	0.01	0.01	1.20	0.98	-1.67
0.156849	0.00	128.04	0.02	0.02	2.17	0.73	-0.73
0.221585	0.00	127.12	0.02	0.02	1.53	0.79	-0.20
0.218065	0.01	134.01	0.01	0.01	1.56	0.89	0.07
0.195665	0.00	164.08	0.01	0.01	1.74	0.77	0.34
0.234177	0.01	182.58	0.01	0.01	1.45	1.19	0.29
0.196086	0.01	167.61	0.01	0.01	1.73	1.22	0.27
0.205232	0.00	312.78	0.01	0.01	1.66	1.43	0.11
0.306773	0.00	-591.62	0.00	0.00	1.11	-2.07	0.07
0.218245	0.00	-508.71	0.00	0.00	1.56	-0.95	0.28
0.221346	0.00	-493.32	0.00	0.00	1.54	-0.21	0.19
0.400601	0.00	-578.78	0.00	0.00	0.85	0.37	0.26
0.307686	0.00	-447.21	0.00	0.00	1.10	0.39	0.27
0.270070	0.00	-325.06	-0.01	0.01	1.26	0.46	0.23
0.329355	0.00	-302.55	-0.01	0.01	1.03	0.52	0.35
0.447144	0.01	-311.40	-0.01	0.01	0.76	0.71	0.13
0.308240	0.01	-165.94	-0.01	0.01	1.10	0.97	0.07
0.456825	0.01	-164.74	-0.01	0.01	0.74	0.66	0.14



0.437736	0.01	-189.37	-0.01	0.01	0.78	0.61	0.16
0.477607	0.01	-168.32	-0.01	0.01	0.71	0.45	-0.11
0.469871	0.00	-125.27	-0.02	0.02	0.72	0.06	0.33
0.405968	0.00	-153.27	-0.01	0.01	0.84	0.26	0.53
0.388940	0.00	-169.50	-0.01	0.01	0.87	0.12	0.41
0.311482	0.00	-94.73	-0.02	0.02	1.09	0.02	0.07
0.238335	0.00	-24.00	-0.08	0.08	1.43	-0.03	0.47
0.336118	0.01	-12.60	-0.16	0.16	1.01	0.06	0.32
0.604498	0.01	-46.78	-0.04	0.04	0.56	0.05	0.24
0.224727	0.00	-13.81	-0.14	0.14	1.51	0.07	0.30
0.366826	0.00	-23.57	-0.08	0.08	0.93	-0.02	0.38
0.536012	0.00	-81.47	-0.02	0.02	0.63	0.00	0.39
0.853710	0.00	-188.23	-0.01	0.01	0.40	-0.07	0.49
0.710756	0.02	-258.97	-0.01	0.01	0.48	-0.58	0.44
0.643787	0.01	-236.06	-0.01	0.01	0.53	-0.45	-0.02
0.703920	0.01	-231.42	-0.01	0.01	0.48	-0.22	0.00
0.685863	0.01	-203.64	-0.01	0.01	0.50	-0.34	-0.01
0.630695	0.01	-197.45	-0.01	0.01	0.54	-0.24	0.08

0.338994	0.16	-2.52	-0.79	0.79	1.00	0.30	0.21
2.109015	0.56	-13.32	-0.15	0.15	0.16	-0.14	-1.03
0.704450	0.02	-24.75	-0.08	0.08	0.48	-0.07	0.19
0.849198	0.08	-22.95	-0.09	0.09	0.40	0.22	0.13
0.969626	0.17	-21.16	-0.09	0.09	0.35	0.31	0.13
0.592847	0.10	-9.25	-0.22	0.22	0.57	0.22	0.10
0.727491	0.08	-26.10	-0.08	0.08	0.47	0.32	0.03
0.596299	0.04	-29.36	-0.07	0.07	0.57	0.32	-0.01
0.839596	0.06	-34.53	-0.06	0.06	0.40	0.25	0.01

phi M phi H phi W

0.290457	0.01	-177.44	-0.01	0.01	1.09	-5.68	-0.02
0.396444	0.02	-343.97	-0.01	0.01	0.80	-4.99	0.06
0.258802	0.01	-457.66	0.00	0.00	1.23	-19.36	0.13
0.461842	0.02	-1189.39	0.00	0.00	0.69	14.11	0.64
0.308057	0.00	-537.58	0.00	0.00	1.03	2.56	0.26
0.473222	0.00	-876.20	0.00	0.00	0.67	29.33	0.34
0.429169	0.00	3447.19	0.00	0.00	0.74	1.55	0.42
0.354601	0.01	-2460.77	0.00	0.00	0.90	1.75	0.14
0.350338	0.01	2181.63	0.00	0.00	0.91	1.33	0.12
0.348820	0.01	775.37	0.00	0.00	0.91	1.07	0.27
0.377214	0.01	514.39	0.00	0.00	0.84	0.83	0.28
0.263879	0.01	273.40	0.01	0.01	1.20	0.90	0.16
0.339324	0.01	274.27	0.01	0.01	0.94	1.00	0.10
0.255926	0.01	150.59	0.01	0.01	1.24	1.03	-0.03
0.291047	0.01	178.77	0.01	0.01	1.09	0.93	-0.11
0.252294	0.01	121.12	0.02	0.02	1.26	0.94	-0.18
0.234810	0.01	128.78	0.02	0.02	1.35	0.96	-0.31
0.215363	0.01	68.83	0.03	0.03	1.48	1.01	-0.24
0.279294	0.01	149.29	0.01	0.01	1.14	1.16	-0.14
0.270249	0.01	118.30	0.02	0.02	1.18	0.95	-0.18

0.330144	0.01	128.78	0.02	0.02	0.96	0.64	-0.22
0.300379	0.01	90.78	0.02	0.02	1.06	0.74	-0.27
0.307258	0.01	76.51	0.03	0.03	1.03	0.49	-0.30
0.294046	0.01	67.61	0.03	0.03	1.08	0.41	-0.36
0.282789	0.01	55.59	0.04	0.04	1.12	0.39	-0.26
0.282520	0.01	74.10	0.03	0.03	1.12	0.59	-0.35
0.279481	0.01	51.12	0.04	0.04	1.14	0.31	-0.33
0.289512	0.01	54.72	0.04	0.04	1.10	0.19	-0.44
0.263951	0.04	-8.14	-0.25	0.25	1.20	0.36	-0.08
0.231190	0.04	-9.59	-0.21	0.21	1.37	0.51	-0.11
0.297722	0.01	-30.29	-0.07	0.07	1.07	0.14	-0.01
0.251575	0.01	-23.24	-0.09	0.09	1.26	0.31	0.09
0.289677	0.01	-29.97	-0.07	0.07	1.10	0.34	0.19
0.210319	0.01	-4.04	-0.50	0.50	1.51	0.06	0.19
0.289420	0.04	-9.99	-0.20	0.20	1.10	0.38	0.17
0.279677	0.03	-5.71	-0.35	0.35	1.14	0.19	0.13
0.602599	0.09	-27.80	-0.07	0.07	0.53	0.52	0.14
0.538622	0.17	-11.21	-0.18	0.18	0.59	0.50	0.07
0.484256	0.05	-17.69	-0.11	0.11	0.66	0.30	-0.04
0.437874	0.15	-6.01	-0.33	0.33	0.73	0.35	-0.03
0.435064	0.09	-17.15	-0.12	0.12	0.73	0.61	-0.08
0.457941	0.10	-11.82	-0.17	0.17	0.69	0.43	-0.02
0.855810	0.10	-881.36	0.00	0.00	0.37	-12.76	0.09
0.485793	0.02	-498.05	0.00	0.00	0.65	-3.77	0.14
0.747174	0.08	-8939.07	0.00	0.00	0.43	4.98	0.03
0.911922	0.09	448.42	0.00	0.00	0.35	2.01	-0.08
0.473333	0.14	25.06	0.08	0.08	0.67	0.83	-0.13
0.368727	0.15	11.04	0.18	0.18	0.86	0.68	-0.16
0.681291	0.21	39.55	0.05	0.05	0.47	1.02	-0.16
0.607350	0.21	32.89	0.06	0.06	0.52	1.12	-0.20
0.881557	0.29	56.99	0.04	0.04	0.36	1.24	-0.24
0.727177	0.26	32.23	0.06	0.06	0.44	0.96	-0.13
0.461071	0.11	38.13	0.05	0.05	0.69	1.19	-0.19
0.517335	0.07	57.06	0.04	0.04	0.61	0.93	-0.11
0.541360	0.06	55.56	0.04	0.04	0.59	0.64	-0.38
0.472467	0.11	30.20	0.07	0.07	0.67	0.87	-0.52
0.421572	0.05	40.63	0.05	0.05	0.75	0.71	-0.49
0.380930	0.04	41.61	0.05	0.05	0.83	0.64	-0.57
0.397388	0.02	58.13	0.03	0.03	0.80	0.54	-0.49
0.565940	0.06	73.10	0.03	0.03	0.56	0.75	-0.46
0.504769	0.11	32.43	0.06	0.06	0.63	0.82	-0.38
0.740357	0.24	33.63	0.06	0.06	0.43	0.87	-0.45
0.751697	0.62	14.32	0.14	0.14	0.42	0.94	-0.34
0.566180	0.32	19.79	0.10	0.10	0.56	1.20	-0.46
0.567661	0.14	34.69	0.06	0.06	0.56	0.90	-0.44
0.534241	0.09	33.81	0.06	0.06	0.59	0.60	-0.34
0.717073	0.17	35.82	0.06	0.06	0.44	0.70	-0.30
0.498411	0.14	24.01	0.08	0.08	0.64	0.79	-0.20
0.647840	0.17	37.40	0.05	0.05	0.49	0.87	-0.22
0.429621	0.06	47.53	0.04	0.04	0.74	0.93	-0.15

0.528183	0.09	48.72	0.04	0.04	0.60	0.89	-0.18
0.478301	0.09	33.05	0.06	0.06	0.66	0.74	-0.17
0.465985	0.10	35.48	0.06	0.06	0.68	0.93	-0.23
0.594809	0.14	46.46	0.04	0.04	0.53	1.02	-0.22
0.505202	0.14	29.83	0.07	0.07	0.63	0.95	-0.21
0.634276	0.17	42.68	0.05	0.05	0.50	1.11	-0.36
0.576916	0.12	46.57	0.04	0.04	0.55	1.04	-0.48
0.453429	0.10	36.62	0.05	0.05	0.70	1.07	-0.51
0.439526	0.09	28.69	0.07	0.07	0.72	0.79	-0.62
0.339103	0.09	19.61	0.10	0.10	0.94	0.89	-0.77
0.429763	0.08	32.93	0.06	0.06	0.74	0.88	-1.19
0.387066	0.05	32.70	0.06	0.06	0.82	0.68	-1.46
0.405831	0.04	49.24	0.04	0.04	0.78	0.70	-2.34
0.403951	0.05	42.17	0.05	0.05	0.79	0.73	-2.63
0.432763	0.04	59.78	0.03	0.03	0.73	0.86	-3.19
0.426466	0.03	54.05	0.04	0.04	0.74	0.63	-2.40
0.597579	0.05	83.14	0.02	0.02	0.53	0.74	-2.22
0.401669	0.04	46.63	0.04	0.04	0.79	0.73	-1.94
0.479568	0.04	60.98	0.03	0.03	0.66	0.68	-2.71
0.415572	0.03	61.69	0.03	0.03	0.76	0.76	-2.65
0.409772	0.02	83.27	0.02	0.02	0.78	0.62	-2.32
0.371715	0.02	101.16	0.02	0.02	0.85	0.69	-2.25
0.246203	0.01	80.85	0.02	0.02	1.29	0.69	-1.72
0.291961	0.01	189.00	0.01	0.01	1.09	0.95	-1.37
0.255131	0.00	-316.01	-0.01	0.01	1.25	1.55	-0.85
0.352313	0.00	-194.10	-0.01	0.01	0.90	0.75	-0.33
0.358292	0.01	-103.06	-0.02	0.02	0.89	0.81	-0.07
0.304990	0.02	-66.59	-0.03	0.03	1.04	1.17	-0.05
0.404117	0.05	-40.49	-0.05	0.05	0.79	1.02	-0.02
0.467392	0.06	-43.34	-0.05	0.05	0.68	0.93	-0.06
0.390172	0.05	-22.72	-0.09	0.09	0.81	0.56	-0.09
0.363190	0.04	-19.99	-0.10	0.10	0.87	0.47	-0.20
0.295589	0.01	-27.55	-0.07	0.07	1.07	0.33	-0.17
0.321034	0.03	-23.86	-0.08	0.08	0.99	0.56	-0.08
0.380853	0.05	-25.54	-0.08	0.08	0.83	0.69	-0.06
0.466296	0.07	-30.59	-0.07	0.07	0.68	0.72	-0.06
0.486211	0.12	-25.64	-0.08	0.08	0.65	1.01	-0.03
0.380766	0.08	-24.36	-0.08	0.08	0.83	1.00	0.01
0.502883	0.04	-65.45	-0.03	0.03	0.63	0.93	0.30
0.406439	0.01	-86.15	-0.02	0.02	0.78	0.52	0.16

U* (adiabatic)	U* (measured)	phi (M)	H (adiabatic)	H (measured)	phi (H)	Le (adiabatic)
0.14	0.13	1.11	-29.38	38.43	-0.69	-1.67
0.10	0.11	0.92	-26.55	44.10	-0.66	9.98
0.11	0.17	0.61	-25.84	46.80	-0.90	15.00
0.15	0.18	0.88	-98.20	71.61	-1.56	26.40
0.14	0.16	0.89	-141.76	101.73	-1.56	16.29
0.15	0.15	0.98	-122.87	98.71	-1.27	23.90
0.13	0.19	0.71	-72.89	126.62	-0.81	19.92
0.12	0.21	0.54	-59.23	140.72	-0.78	15.64
0.09	0.23	0.39	-44.30	149.30	-0.75	10.74
0.11	0.16	0.70	-8.72	103.67	-0.12	6.74
0.04	0.18	0.20	-2.87	167.00	-0.08	1.65
0.08	0.14	0.55	46.48	110.56	0.77	-1.79
0.06	0.10	0.59	23.79	98.98	0.41	-3.79
0.09	0.14	0.64	9.54	154.60	0.10	10.49
0.03	0.19	0.13	8.92	82.17	0.81	-1.29
0.09	0.21	0.42	30.56	21.03	3.48	-8.72
0.18	0.14	1.23	16.49	23.63	0.57	-12.93

U* (adiabatic)	U* (measured)	phi (M)	H (adiabatic)	H (measured)	phi (H)	Le (adiabatic)
0.25	0.11	2.35	-56.92	-13.74	1.76	108.65
0.24	0.18	1.34	-38.65	-26.82	1.07	84.55
0.17	0.11	1.56	-26.16	-10.74	1.57	59.96
0.15	0.08	1.90	-18.12	-6.79	1.41	59.43
0.17	0.10	1.66	-41.20	0.13	-195.80	63.93
0.15	0.06	2.47	-25.99	-7.06	1.49	54.05
0.02	0.06	0.37	-3.06	-1.72	4.79	6.35
0.12	0.08	1.60	-20.18	-10.59	1.19	50.90
0.05	0.08	0.68	-20.18	-1.13	26.43	15.42
0.14	0.10	1.45	-34.29	-16.12	1.47	48.38
0.16	0.14	1.15	-11.74	-16.01	0.64	54.77
0.15	0.13	1.10	-4.57	-15.18	0.27	39.97
0.19	0.21	0.93	-9.72	-18.79	0.55	45.45
0.13	0.18	0.74	-6.17	-20.04	0.42	27.13
0.12	0.22	0.57	-29.16	124.36	-0.41	64.24
0.12	0.24	0.50	-10.87	142.09	-0.15	50.27
0.17	0.17	1.01	-45.09	121.50	-0.37	71.56
0.18	0.14	1.23	98.15	126.23	0.63	47.94
0.11	0.18	0.59	78.53	93.95	1.43	3.02
0.14	0.27	0.51	92.85	135.20	1.36	40.71
0.23	0.18	1.30	153.30	113.04	1.04	60.07
0.16	0.24	0.67	114.78	144.02	1.19	42.86
0.14	0.19	0.72	103.27	115.65	1.23	35.79
0.19	0.21	0.93	147.28	142.56	1.11	45.59
0.16	0.29	0.56	127.29	142.86	1.60	45.44
0.25	0.36	0.70	189.36	145.72	1.86	107.92
0.21	0.43	0.48	161.33	178.46	1.89	44.44
0.26	0.39	0.66	185.88	112.65	2.50	36.51
0.09	0.12	0.75	9.77	37.86	0.34	47.32

0.07	0.10	0.69	9.49	57.99	0.24	29.11
0.07	0.15	0.46	15.49	88.03	0.38	28.07
0.11	0.17	0.63	32.69	103.71	0.50	57.45
0.11	0.25	0.43	18.61	130.38	0.34	63.03
0.18	0.42	0.42	7.94	172.97	0.11	51.61
0.24	0.41	0.59	47.61	167.91	0.48	73.55
0.20	0.48	0.41	34.94	183.74	0.46	51.14
0.21	0.48	0.44	31.08	156.31	0.46	42.50
0.34	0.54	0.64	43.53	146.89	0.47	56.94
0.25	0.49	0.51	21.21	88.29	0.47	40.61
0.26	0.40	0.65	9.18	59.58	0.24	39.44

0.25	0.23	1.08	57.53	13.96	3.80	52.54
0.28	0.22	1.29	53.73	14.25	2.91	-1.05
0.26	0.19	1.37	45.96	11.82	2.83	-4.90
0.30	0.22	1.35	54.40	14.20	2.83	-4.61
0.33	0.18	1.84	56.95	11.92	2.60	-11.57
0.18	0.23	0.79	35.57	16.68	2.71	7.46
0.18	0.25	0.74	38.54	24.95	2.10	3.27
0.19	0.23	0.82	39.13	18.77	2.55	12.60
0.20	0.30	0.67	48.98	31.39	2.31	15.78
0.41	0.34	1.22	92.85	32.13	2.37	47.22
0.56	0.40	1.42	123.84	26.05	3.35	96.88
0.35	0.33	1.06	75.50	27.70	2.57	53.85
0.32	0.30	1.09	70.54	11.60	5.59	39.23
0.34	0.32	1.07	70.54	19.24	3.43	47.20
0.40	0.34	1.16	80.46	21.54	3.22	53.35
0.33	0.35	0.95	57.49	19.89	3.06	43.70
0.27	0.36	0.76	81.84	27.26	3.96	18.73
0.31	0.32	0.97	68.46	9.31	7.55	22.45
0.27	0.33	0.82	43.23	8.50	6.24	23.07
0.26	0.34	0.75	34.58	5.41	8.54	10.09
0.23	0.30	0.78	6.86	-6.40	-1.37	7.77
0.25	0.32	0.77	-31.38	-9.64	4.23	-0.55
0.24	0.27	0.88	-41.45	-11.56	4.08	-9.96
0.13	0.25	0.53	-16.77	-10.35	3.04	8.30
0.09	0.21	0.45	-9.23	-8.23	2.51	-0.77
0.09	0.18	0.50	-6.86	-7.78	1.77	1.78
0.11	0.25	0.43	-20.61	-10.83	4.42	2.57
0.07	0.15	0.47	-15.06	-9.16	3.47	-1.02
0.08	0.21	0.37	-16.22	-11.33	3.82	-8.27
0.18	0.16	1.13	-34.40	-7.09	4.28	-18.89
0.24	0.10	2.34	-31.27	-6.02	2.22	-38.12
0.32	0.11	2.95	-27.98	-7.26	1.30	-45.61
0.28	0.17	1.71	-33.38	-7.52	2.60	-32.89
0.32	0.08	3.91	-21.85	-6.61	0.84	-42.33
0.32	0.07	4.28	-1.75	-4.47	0.09	-34.84
0.27	0.07	4.07	-5.94	-4.59	0.32	-27.50
0.22	0.07	3.11	-3.96	-3.97	0.32	-21.25
0.29	0.08	3.50	-3.99	-5.79	0.20	-20.73

0.22	0.08	2.88	-7.47	-4.21	0.62	-9.38
0.07	0.04	1.63	1.60	-3.01	-0.33	-4.39
0.10	0.08	1.21	11.50	-1.91	-4.97	-4.65
0.02	0.05	0.37	0.85	-0.10	-22.80	0.13
0.09	0.05	1.79	-1.36	-3.51	0.22	0.28
0.07	0.11	0.68	-15.62	-4.72	4.88	2.19
0.39	0.11	3.43	-58.99	-8.42	2.04	18.30
0.33	0.11	2.92	-28.31	-6.97	1.39	11.16
0.46	0.10	4.85	-25.55	-8.28	0.64	-38.09
0.45	0.10	4.75	-7.68	-7.66	0.21	-67.29
0.43	0.10	4.39	-7.99	-7.99	0.23	-58.62
0.41	0.08	4.98	16.86	-8.04	-0.42	-32.45
0.33	0.11	3.16	10.09	-12.13	-0.26	-12.64
0.35	0.10	3.54	4.94	-9.32	-0.15	-15.44
0.35	0.08	4.25	6.69	-10.81	-0.15	-24.63
0.29	0.07	4.13	23.23	-4.29	-1.31	-20.24
0.31	0.09	3.55	3.04	-9.39	-0.09	-10.66
0.23	0.09	2.53	-17.45	-6.22	1.11	-11.66
0.35	0.08	4.11	-25.27	-7.24	0.85	-22.48
0.31	0.09	3.41	-19.28	-6.65	0.85	-26.51
0.37	0.10	3.87	-22.68	-9.74	0.60	-34.61
0.28	0.08	3.65	-9.90	-8.13	0.33	-17.65
0.02	0.08	0.31	-0.59	-7.29	0.26	-1.69
0.00	0.07	0.05	-0.26	1.51	-3.15	-0.14
0.27	0.08	3.44	-40.32	-3.04	3.86	7.74
0.38	0.12	3.22	-54.25	-4.29	3.94	25.83
0.37	0.11	3.40	-37.16	0.25	-44.18	50.36
0.37	0.08	4.63	-20.57	2.67	-1.66	57.37
0.44	0.11	3.96	-40.97	13.55	-0.76	64.01
0.49	0.15	3.37	-17.70	23.66	-0.22	-9.83
0.21	0.24	0.88	23.28	38.79	0.68	-13.53
0.29	0.27	1.09	82.32	56.12	1.35	-0.43
0.20	0.28	0.73	31.64	69.17	0.62	-11.45
0.17	0.23	0.74	20.29	71.98	0.38	-17.28
0.14	0.27	0.52	15.03	49.42	0.59	-28.00
0.14	0.23	0.59	32.78	73.17	0.75	-0.60
0.13	0.23	0.57	35.63	76.32	0.82	-6.34
0.12	0.25	0.48	38.65	80.46	0.99	-14.51
0.13	0.26	0.52	35.96	70.53	0.97	-27.06
0.10	0.14	0.70	67.03	78.80	1.22	-18.44
0.06	0.14	0.44	127.27	26.51	10.87	-4.40
0.11	0.22	0.52	80.69	48.85	3.21	4.99
0.15	0.18	0.86	19.93	76.90	0.30	-17.09
0.14	0.27	0.54	20.22	43.66	0.86	7.14
0.14	0.35	0.39	116.29	-29.14	-10.32	60.86
0.02	0.19	0.13	19.82	36.89	4.17	4.42
0.15	0.20	0.77	100.85	22.74	5.72	27.53
0.32	0.27	1.17	114.75	27.67	3.53	52.02
0.30	0.21	1.44	102.47	21.17	3.37	31.57
0.10	0.18	0.54	38.55	17.10	4.16	0.59
0.23	0.25	0.91	67.57	20.47	3.64	-5.29
0.17	0.21	0.84	46.41	7.74	7.16	-1.15

0.35	0.22	1.59	53.81	-5.71	-5.91	2.59
0.26	0.24	1.05	41.38	-4.76	-8.30	9.09
0.17	0.22	0.78	25.16	-6.43	-5.04	9.82
0.40	0.26	1.55	36.11	-11.19	-2.08	30.54
0.42	0.25	1.68	30.64	-11.35	-1.61	31.33
0.27	0.16	1.66	13.27	-10.37	-0.77	11.97
-0.02	0.17	-0.09	-2.01	-5.35	-4.02	-0.57
0.05	0.14	0.37	2.50	-10.34	-0.64	5.10
0.27	0.17	1.58	-51.51	-14.01	2.32	9.31
0.32	0.23	1.39	-11.70	-34.43	0.25	-240498190.57
0.22	0.23	0.96	23.33	-30.82	-0.79	9.72
0.39	0.27	1.44	33.37	-44.97	-0.52	7.18
0.41	0.26	1.54	-3.30	-36.93	0.06	5.13
0.46	0.18	2.51	51.84	-23.16	-0.89	1.02
0.48	0.17	2.91	66.29	-23.68	-0.96	-1.43
0.33	0.16	2.10	40.01	-21.78	-0.87	-3.66
0.45	0.18	2.48	44.14	-26.76	-0.66	-6.33
0.18	0.16	1.13	20.13	-21.83	-0.82	-3.42
0.15	0.17	0.87	12.84	-23.39	-0.63	-3.93
0.26	0.09	3.00	20.64	-16.01	-0.43	-9.37
0.29	0.13	2.33	10.51	-19.35	-0.23	10.69
0.17	0.12	1.37	3.84	-17.97	-0.16	0.51
0.09	0.13	0.69	6.29	-14.03	-0.65	-0.93
0.16	0.10	1.62	15.53	-4.06	-2.36	8.39
0.17	0.15	1.11	6.16	-4.06	-1.36	18.18
0.16	0.13	1.30	-6.23	-5.12	0.94	21.93
0.19	0.16	1.18	-15.47	-7.81	1.68	22.75
0.19	0.15	1.22	-21.81	-8.67	2.07	17.93
0.16	0.10	1.56	-15.52	-6.64	1.49	15.09
0.18	0.12	1.53	-17.67	-5.78	2.00	19.33
0.22	0.14	1.59	-23.05	-5.81	2.49	31.17
0.17	0.13	1.30	-13.38	-5.59	1.84	21.92
0.18	0.11	1.66	-12.15	-4.42	1.66	18.79
0.23	0.17	1.31	-17.72	-6.48	2.09	22.29
0.22	0.18	1.22	-16.68	-2.81	4.86	24.28
0.28	0.21	1.31	-8.21	-1.53	4.12	33.50
0.26	0.22	1.17	-11.02	-1.22	7.71	33.29
0.26	0.18	1.45	-16.51	-3.52	3.23	30.21
0.20	0.20	0.96	-26.31	-11.65	2.34	10.57
0.16	0.14	1.20	-17.39	-5.27	2.75	3.03
0.13	0.08	1.73	-9.20	-6.74	0.79	0.68
0.19	0.11	1.70	-6.62	-4.06	0.96	7.42
0.17	0.13	1.34	-9.79	-4.82	1.52	10.43
0.17	0.13	1.37	-13.81	-2.58	3.91	10.39
0.16	0.09	1.76	-16.43	-2.40	3.90	20.44
0.12	0.12	1.04	-26.44	-4.34	5.86	22.68
0.24	0.19	1.26	-87.77	-9.72	7.15	66.69
0.35	0.19	1.83	-88.16	-1.49	32.34	80.11
0.42	0.24	1.74	-62.49	3.96	-9.05	-51.34
0.48	0.25	1.92	-46.15	14.39	-1.67	2.47
0.53	0.29	1.84	-35.74	24.98	-0.78	21.91
0.59	0.29	2.05	-40.13	30.69	-0.64	45.64

0.57	0.25	2.28	-40.74	40.00	-0.45	71.55
0.47	0.23	2.03	-42.91	56.63	-0.37	88.19
0.48	0.26	1.84	-52.71	69.14	-0.42	86.16
0.91	0.47	1.93	-120.69	66.44	-0.94	-137.39
0.60	0.34	1.78	-66.28	57.12	-0.65	-36.94
0.94	0.45	2.09	7.26	12.08	0.29	-5.57
0.55	0.33	1.68	95.41	-2.84	-20.05	-255.72
0.51	0.46	1.10	80.53	53.79	1.37	-388.95
0.43	0.47	0.92	24.00	59.67	0.44	-396.39
0.38	0.50	0.75	28.20	33.13	1.13	-160.95
0.31	0.43	0.72	-16.75	55.58	-0.42	-130.64
0.25	0.46	0.54	6.70	92.98	0.13	-173.51
0.25	0.48	0.53	37.14	69.13	1.02	-149.09

0.18	0.33	0.55	-19.05	99.36	-0.35	35.33
0.22	0.37	0.61	12.13	104.27	0.19	40.55
0.35	0.59	0.59	23.21	193.75	0.20	66.23
0.27	0.60	0.46	22.76	210.08	0.24	17.22
0.27	0.64	0.43	19.16	229.07	0.20	-5.93
0.31	0.62	0.50	46.16	230.81	0.40	-14.05
0.26	0.67	0.39	44.44	200.32	0.57	-1.68
0.23	0.54	0.43	42.43	186.61	0.53	-5.89
0.29	0.54	0.54	44.17	166.91	0.49	4.38
0.24	0.51	0.47	41.74	163.34	0.55	6.52
0.26	0.52	0.50	41.68	118.13	0.70	8.79
0.26	0.53	0.49	34.81	117.21	0.61	9.95
0.44	0.69	0.64	44.05	120.50	0.58	91.53
0.37	0.62	0.60	23.50	98.40	0.40	48.09
0.42	0.64	0.65	20.71	83.05	0.38	48.72
0.38	0.62	0.61	6.42	61.53	0.17	51.45
0.38	0.54	0.70	4.69	54.41	0.12	58.67
0.40	0.56	0.70	2.25	45.65	0.07	44.24
0.35	0.55	0.64	-2.80	24.26	-0.18	26.80
0.34	0.49	0.70	-4.55	14.65	-0.44	17.60
0.36	0.49	0.74	-6.29	9.91	-0.86	16.56
0.32	0.45	0.71	-7.13	2.96	-3.39	-0.76

0.09	0.19	0.47	7.90	41.48	0.41	-32.58
0.10	0.18	0.54	4.27	42.66	0.19	14.97
0.15	0.24	0.64	13.72	54.15	0.39	-163.88
0.13	0.23	0.56	10.31	61.86	0.30	26.22
0.12	0.17	0.68	16.20	67.34	0.35	16.55
0.13	0.20	0.64	16.59	126.75	0.21	17.63
0.13	0.21	0.64	16.97	87.39	0.31	21.11
0.14	0.18	0.77	24.33	89.25	0.36	24.18
0.20	0.18	1.10	35.86	89.97	0.36	36.91
0.11	0.26	0.44	31.89	122.37	0.60	17.22
0.11	0.41	0.26	21.21	140.76	0.58	14.60
0.16	0.22	0.71	15.05	84.46	0.25	30.37
0.19	0.31	0.61	21.02	122.81	0.28	47.58
0.23	0.33	0.69	23.58	121.34	0.28	72.75



0.23	0.27	0.86	19.68	64.16	0.36	68.62
0.17	0.28	0.60	12.78	70.44	0.30	45.00
0.17	0.27	0.64	11.57	69.40	0.26	35.67
0.20	0.28	0.70	8.68	50.59	0.24	40.62
0.20	0.25	0.78	7.20	33.67	0.27	42.46
0.19	0.29	0.65	5.26	30.62	0.26	37.27
0.15	0.28	0.53	5.51	40.52	0.26	28.39
0.12	0.15	0.79	-16.00	-20.84	0.97	2227.55
0.16	0.15	1.02	-20.87	-18.88	1.08	5.68
0.14	0.13	1.08	-18.98	7.49	-2.34	-5.13
0.03	0.18	0.18	-8.14	107.40	-0.43	-2.91
0.12	0.11	1.13	-23.64	-17.48	1.20	-16.63
0.11	0.17	0.63	-20.97	-17.44	1.91	-4.32
0.16	0.13	1.28	-40.16	-20.20	1.55	-1.42
0.13	0.08	1.73	-27.94	-8.70	1.85	-1.15
0.15	0.08	2.00	-32.74	-10.02	1.64	-7.63
0.11	0.05	2.08	-27.24	-5.26	2.49	-6.04
0.13	0.06	2.03	-35.72	-2.98	5.90	-4.49
0.11	0.05	2.10	-29.72	3.06	-4.63	-4.71
0.10	0.07	1.52	-48.77	-5.78	5.55	6.62
0.10	0.02	5.82	-33.84	-1.39	4.18	7.66
0.10	0.04	2.75	-23.37	-2.26	3.76	-0.48
0.10	0.04	2.36	-28.44	-3.76	3.20	-3.83
0.11	0.08	1.36	-27.35	-9.40	2.14	-9.35
0.12	0.19	0.65	-26.78	-24.07	1.70	-6.37
0.20	0.21	0.98	-26.42	-23.82	1.13	0.16
0.24	0.23	1.08	-27.26	-21.44	1.18	-13.84
0.29	0.24	1.20	-31.53	-23.63	1.12	-14.19
0.32	0.40	0.82	-36.96	-50.41	0.89	-8.30
0.30	0.31	0.98	-26.34	-26.16	1.03	3.35
0.33	0.34	0.98	-25.98	-26.18	1.02	-2.66
0.37	0.33	1.11	-24.36	-27.18	0.81	-11.24
0.40	0.37	1.11	-25.00	-27.99	0.81	-27.19
0.48	0.39	1.23	-23.41	-19.00	1.01	-37.10
0.65	0.29	2.22	-32.45	-19.52	0.75	-45.86
0.50	0.32	1.57	-30.95	-24.35	0.81	-9.57
0.49	0.31	1.60	-31.36	-21.40	0.92	3.53
0.58	0.32	1.78	-28.26	-20.17	0.79	17.03
0.45	0.30	1.49	-27.06	-14.93	1.22	10.38
0.40	0.22	1.78	-15.87	-7.16	1.25	8.53
0.39	0.23	1.70	-13.82	-5.54	1.47	5.00
0.50	0.44	1.14	-23.22	9.62	-2.13	2.81
0.78	0.49	1.60	-26.52	17.07	-0.97	13.65
0.92	0.58	1.57	-10.46	30.42	-0.22	14.63
0.69	0.79	0.87	21.57	66.25	0.37	22.02
0.95	0.84	1.13	47.91	105.58	0.40	35.75
1.00	0.78	1.29	70.75	115.85	0.47	33.64
0.83	0.79	1.06	73.39	130.91	0.53	45.34
0.67	0.87	0.78	96.09	168.82	0.73	15.64
0.76	0.67	1.13	165.38	147.24	0.99	11.51
0.54	0.71	0.76	90.47	175.15	0.68	18.59

0.59	0.74	0.80	87.08	175.27	0.62	20.29
0.53	0.73	0.73	63.08	186.11	0.46	-15.73
0.52	0.70	0.74	10.84	221.75	0.07	53.95
0.65	0.76	0.86	52.22	229.05	0.27	114.50
0.70	0.78	0.90	25.24	224.62	0.13	98.44
0.65	0.58	1.12	4.37	164.33	0.02	15.53
0.48	0.33	1.46	-5.60	118.56	-0.03	90.56
0.27	0.26	1.04	7.37	115.92	0.06	44.70
0.29	0.51	0.58	6.88	228.61	0.05	38.42
0.44	0.28	1.55	14.66	135.22	0.07	65.20
0.34	0.36	0.95	-3.44	159.53	-0.02	71.81
0.40	0.61	0.65	-0.52	223.82	0.00	63.30
0.39	0.95	0.41	-10.30	371.27	-0.07	61.43
0.50	1.03	0.49	-101.96	347.88	-0.60	52.47
0.53	0.99	0.54	-81.51	330.15	-0.46	-2.56
0.43	0.88	0.49	-26.19	237.24	-0.22	0.35
0.43	0.85	0.51	-43.15	242.45	-0.35	-1.03
0.46	0.82	0.55	-31.57	229.05	-0.25	8.38

0.08	0.08	1.03	4.63	14.53	0.31	8.99
0.04	0.22	0.17	-1.34	55.00	-0.15	-26.46
0.14	0.28	0.49	-2.48	65.51	-0.08	15.37
0.12	0.30	0.41	7.50	80.77	0.23	11.52
0.11	0.30	0.36	10.58	91.69	0.32	10.55
0.13	0.22	0.59	11.02	84.66	0.22	11.71
0.16	0.33	0.48	15.22	97.24	0.33	4.03
0.20	0.33	0.58	17.31	91.10	0.33	-0.94
0.16	0.39	0.41	13.52	126.46	0.26	0.78

0.24	0.22	1.12	-11.14	1.71	-5.82	-0.84
0.26	0.32	0.82	-15.05	3.58	-5.12	2.68
0.38	0.30	1.26	-24.30	0.97	-19.84	7.75
0.25	0.36	0.71	-16.81	-1.65	14.46	26.99
0.30	0.28	1.06	-2.43	-0.88	2.62	14.91
0.26	0.37	0.69	-2.04	-0.10	30.06	14.46
0.26	0.34	0.76	-4.14	-3.44	1.59	9.56
0.27	0.29	0.92	-5.65	-3.43	1.79	6.66
0.28	0.30	0.93	-7.41	-5.84	1.36	6.65
0.32	0.34	0.93	-9.79	-9.56	1.10	15.54
0.33	0.38	0.86	-10.74	-14.71	0.85	16.71
0.37	0.30	1.23	-13.88	-12.17	0.92	9.74
0.32	0.33	0.96	-15.01	-15.22	1.03	4.66
0.35	0.28	1.27	-20.24	-15.03	1.06	-1.83
0.37	0.33	1.12	-22.06	-20.74	0.95	-6.19
0.37	0.29	1.29	-24.24	-19.55	0.96	-9.58
0.40	0.29	1.39	-25.72	-18.86	0.98	-15.05
0.35	0.23	1.51	-28.81	-18.37	1.04	-11.94
0.37	0.32	1.17	-29.97	-21.59	1.19	-6.44
0.36	0.30	1.20	-25.01	-21.26	0.98	-7.70

0.30	0.31	0.99	-13.95	-21.49	0.66	-7.60
0.28	0.26	1.08	-14.90	-18.12	0.76	-8.45
0.29	0.27	1.06	-12.99	-24.34	0.50	-11.55
0.26	0.23	1.11	-8.39	-18.09	0.42	-10.46
0.25	0.21	1.15	-7.76	-16.99	0.40	-8.05
0.25	0.22	1.15	-9.42	-13.47	0.61	-8.11
0.26	0.22	1.17	-7.29	-19.98	0.31	-11.05
0.27	0.24	1.12	-5.30	-23.79	0.20	-15.96
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0.16	0.13	1.23	7.64	16.99	0.36	-4.63
0.21	0.15	1.41	17.57	23.97	0.52	-8.40
0.26	0.24	1.09	5.26	32.80	0.15	-0.85
0.27	0.21	1.29	12.16	29.14	0.32	7.20
0.27	0.24	1.12	13.68	34.46	0.35	18.02
0.20	0.13	1.55	3.47	38.98	0.06	24.55
0.20	0.18	1.13	16.84	38.82	0.39	16.53
0.19	0.16	1.16	12.49	55.02	0.19	16.79
0.15	0.27	0.54	14.93	51.93	0.53	7.79
0.11	0.19	0.60	12.71	41.41	0.51	4.02
0.15	0.23	0.67	9.95	47.67	0.31	-3.13
0.12	0.16	0.74	12.89	47.87	0.36	-2.31
0.17	0.22	0.75	21.10	44.79	0.63	-6.38
0.13	0.19	0.71	12.08	38.57	0.44	-1.49
0.10	0.27	0.38	6.22	-1.25	-13.08	1.37
0.16	0.24	0.67	5.81	-2.24	-3.86	5.49
0.13	0.30	0.44	-9.08	-4.08	5.11	0.65
0.10	0.29	0.36	-5.39	-7.32	2.06	-0.96
0.11	0.16	0.69	-8.88	-15.13	0.85	-2.69
0.10	0.12	0.88	-8.40	-13.61	0.70	-3.06
0.09	0.18	0.48	-7.78	-15.54	1.05	-1.96
0.10	0.19	0.54	-11.50	-18.65	1.15	-2.21
0.09	0.24	0.37	-10.81	-23.05	1.27	-2.44
0.09	0.20	0.45	-10.84	-24.50	0.99	-1.39
0.14	0.20	0.71	-17.24	-19.97	1.22	-2.67
0.17	0.26	0.63	-17.55	-29.40	0.95	-1.93
0.15	0.25	0.60	-9.72	-24.75	0.65	-5.26
0.13	0.19	0.69	-12.52	-20.28	0.90	-6.18
0.18	0.23	0.77	-16.20	-28.68	0.73	-9.68
0.19	0.22	0.85	-14.00	-25.10	0.65	-11.88
0.22	0.26	0.82	-13.15	-29.10	0.55	-13.37
0.16	0.28	0.58	-12.85	-28.95	0.77	-7.85
0.12	0.19	0.65	-11.20	-20.62	0.84	-5.07
0.08	0.19	0.44	-6.89	-17.66	0.89	-3.61
0.05	0.13	0.43	-5.34	-12.83	0.96	-1.94
0.07	0.13	0.58	-7.17	-10.18	1.22	-2.50
0.10	0.17	0.57	-6.77	-12.84	0.92	-3.60
0.11	0.19	0.61	-6.96	-18.65	0.61	-4.65
0.09	0.19	0.45	-6.12	-18.70	0.72	-3.10
0.10	0.16	0.65	-8.56	-16.24	0.81	-2.87
0.09	0.19	0.50	-7.35	-16.49	0.89	-2.54
0.15	0.20	0.76	-11.12	-15.36	0.96	-2.53

0.13	0.21	0.62	-10.92	-19.31	0.92	-2.96
0.13	0.19	0.68	-9.53	-18.50	0.76	-2.97
0.13	0.18	0.70	-10.45	-15.73	0.95	-3.46
0.11	0.20	0.55	-9.59	-16.73	1.05	-2.91
0.11	0.18	0.64	-10.57	-16.81	0.98	-2.45
0.10	0.20	0.51	-9.51	-16.32	1.13	-3.08
0.11	0.20	0.56	-9.83	-16.35	1.07	-4.36
0.14	0.19	0.72	-14.42	-18.35	1.09	-6.16
0.14	0.19	0.74	-13.71	-22.99	0.80	-8.34
0.15	0.16	0.96	-15.51	-17.63	0.92	-8.94
0.15	0.20	0.76	-13.76	-20.16	0.90	-11.16
0.17	0.20	0.84	-12.70	-21.74	0.69	-18.82
0.18	0.23	0.80	-12.28	-21.30	0.72	-26.38
0.17	0.21	0.81	-11.71	-19.47	0.75	-29.15
0.17	0.23	0.75	-11.80	-17.83	0.88	-28.55
0.17	0.23	0.76	-9.46	-19.32	0.64	-29.11
0.15	0.28	0.54	-9.27	-22.53	0.76	-21.63
0.18	0.22	0.81	-12.77	-21.06	0.75	-21.32
0.17	0.26	0.68	-11.32	-24.08	0.69	-24.48
0.18	0.23	0.78	-11.17	-18.41	0.77	-27.42
0.21	0.26	0.79	-9.52	-18.81	0.64	-29.17
0.20	0.23	0.88	-7.36	-11.83	0.71	-29.25
0.29	0.22	1.32	-11.40	-12.16	0.71	-36.87
0.28	0.25	1.12	-9.66	-8.87	0.98	-35.16
0.33	0.25	1.28	3.51	1.72	1.59	-35.84
0.29	0.31	0.92	6.13	8.61	0.77	-16.21
0.24	0.27	0.91	9.39	12.44	0.83	-2.65
0.25	0.24	1.07	16.03	12.49	1.20	-2.83
0.19	0.24	0.81	19.12	22.78	1.04	-1.14
0.18	0.25	0.70	17.10	25.83	0.95	-2.82
0.15	0.18	0.83	8.93	18.65	0.57	-4.24
0.18	0.20	0.90	12.29	28.46	0.48	-12.06
0.22	0.20	1.10	7.71	20.38	0.34	-9.84
0.23	0.23	1.01	21.71	37.43	0.57	-6.70
0.20	0.24	0.86	23.42	38.78	0.71	-4.17
0.20	0.28	0.70	27.48	53.58	0.73	-4.71
0.19	0.28	0.67	44.40	63.85	1.04	-2.81
0.21	0.25	0.86	41.33	47.26	1.02	1.28
0.18	0.28	0.65	11.88	19.15	0.96	20.12
0.20	0.25	0.80	4.25	10.00	0.53	8.57

Le (measured)	phi (w)	phi (M)	phi(H or W)	phi (M,H,W) We	phi(M) Dyer
125.78	-0.01	0.60	0.44	-1.37	0.57
146.33	0.07	0.46	0.31	-3.40	0.50
160.10	0.15	0.50	0.34	-0.12	0.67
205.31	0.15	0.47	0.32	-0.58	0.62
240.74	0.08	0.39	0.25	-1.91	0.54
257.34	0.09	0.43	0.28	-2.25	0.53
250.21	0.11	0.45	0.30	-1.21	0.58
262.44	0.11	0.42	0.27	-0.62	0.62
230.90	0.12	0.36	0.23	-0.41	0.64
221.64	0.04	0.69	0.52	-1.84	0.55
220.17	0.04	0.37	0.24	-1.97	0.54
493.83	-0.01	3.19	4.78	-3.90	0.48
365.85	-0.02	3.37	5.12	-10.98	0.39
463.45	0.04	1.71	2.18	-5.15	0.46
321.21	-0.03	5.59	9.42	-0.49	0.63
279.98	-0.07	2.51	3.56	0.56	0.79
139.75	-0.08	1.26	1.40	-0.16	0.66

Le (measured)	phi (w)	phi (M)	phi(H or W)	phi (M,H,W) We	phi(M) Dyer
39.08	1.18	1.28	1.43	2.09	stable
64.47	0.98	1.23	1.33	1.47	stable
35.20	1.10	1.39	1.63	1.80	stable
11.08	2.83	1.36	1.58	2.38	stable
39.61	0.97	1.52	1.86	0.72	0.84
11.87	1.84	1.46	1.74	4.01	stable
2.79	6.12	4.63	7.51	2.00	stable
35.27	0.90	1.61	2.00	3.05	stable
9.81	2.32	3.37	5.10	1.10	stable
43.13	0.77	1.64	2.06	2.57	stable
42.67	1.12	1.23	1.34	1.57	stable
38.84	0.94	1.12	1.14	1.61	stable
54.00	0.90	1.12	1.14	1.20	stable
43.40	0.85	1.21	1.31	1.34	stable

212.25	0.53	1.77	2.27	-0.35	0.64
224.77	0.44	1.40	1.65	-0.12	0.67
213.68	0.33	1.56	1.92	-1.94	0.54
215.92	0.18	0.55	0.39	-3.69	0.49
169.40	0.03	0.37	0.24	-0.71	0.61
225.56	0.36	0.44	0.29	0.21	0.72
206.17	0.22	0.60	0.43	-1.30	0.57
191.35	0.33	0.47	0.32	-0.20	0.66
183.35	0.27	0.43	0.28	-0.92	0.60
217.89	0.22	0.52	0.36	-0.81	0.61
205.89	0.40	0.47	0.32	0.35	0.74
205.73	0.75	0.61	0.44	0.66	0.82
201.32	0.46	0.54	0.38	0.76	0.86
154.79	0.36	0.63	0.46	0.80	0.87
69.67	0.90	0.58	0.41	-1.68	0.56

103.86	0.41	0.48	0.33	-5.08	0.46
147.17	0.42	0.40	0.26	-2.03	0.54
137.03	0.66	0.48	0.33	-1.39	0.57
145.20	1.02	0.57	0.41	0.12	0.70
131.53	0.93	0.89	0.74	0.76	0.86
121.02	1.02	0.80	0.63	0.75	0.85
122.75	1.02	0.75	0.58	0.83	0.89
97.05	1.00	0.79	0.63	0.85	0.90
87.32	1.03	0.91	0.77	0.90	0.93
44.03	1.81	0.89	0.74	0.92	0.94
30.40	2.01	0.95	0.82	0.90	0.93

31.02	1.56	0.77	0.60	0.86	0.90
30.53	-0.03	0.83	0.67	0.84	0.89
28.03	-0.13	0.83	0.67	0.80	0.87
34.64	-0.10	0.85	0.69	0.84	0.89
23.30	-0.27	0.88	0.72	0.76	0.86
32.23	0.29	0.70	0.53	0.84	0.89
41.06	0.11	0.70	0.53	0.82	0.88
28.70	0.54	0.71	0.54	0.83	0.89
49.48	0.47	0.71	0.53	0.86	0.91
46.09	0.84	0.89	0.74	0.91	0.93
43.48	1.57	0.94	0.80	0.95	0.96
33.01	1.54	0.87	0.71	0.92	0.94
32.82	1.10	0.85	0.69	0.95	0.96
24.89	1.77	0.86	0.70	0.93	0.95
23.05	1.99	0.90	0.74	0.94	0.95
23.64	1.96	0.88	0.72	0.95	0.96
23.57	1.05	0.77	0.60	0.94	0.95
11.21	2.06	0.84	0.68	0.97	0.97
7.82	3.62	0.84	0.68	0.97	0.98
4.54	2.97	0.85	0.69	0.99	0.99
-4.67	-2.12	0.95	0.82	1.03	stable
-2.61	0.27	1.18	1.25	1.04	stable
-4.16	2.72	1.25	1.38	1.07	stable
-8.67	-1.80	1.48	1.78	1.09	stable
-9.65	0.18	1.63	2.04	1.11	stable
-6.01	-0.59	1.58	1.96	1.17	stable
-11.49	-0.52	1.81	2.36	1.09	stable
-10.85	0.20	2.35	3.28	1.33	stable
-16.56	1.33	2.27	3.14	1.17	stable
-8.41	1.98	1.39	1.63	1.22	stable
-3.48	4.68	1.18	1.25	1.66	stable
-5.92	2.61	1.08	1.05	1.71	stable
-4.49	4.29	1.13	1.16	1.21	stable
-7.19	1.50	1.06	1.02	2.50	stable
-4.55	1.79	1.01	0.90	2.40	stable
-5.12	1.32	1.03	0.95	3.05	stable
-5.86	1.17	1.03	0.96	2.40	stable
-9.54	0.62	1.02	0.92	2.43	stable

-6.20	0.53	1.07	1.03	2.27	stable
-3.95	0.68	0.73	0.56	6.35	stable
-5.93	0.65	0.59	0.42	1.55	stable
17.59	0.02	0.31	0.19	0.24	0.72
-8.88	-0.02	1.14	1.17	4.34	stable
0.00	721.14	2.34	3.27	1.44	stable
-4.42	-1.21	1.09	1.08	1.70	stable
-3.82	-1.00	1.08	1.05	1.62	stable
-6.48	1.21	1.03	0.94	2.20	stable
-4.93	2.88	1.01	0.90	2.09	stable
-6.60	2.02	1.01	0.91	2.04	stable
-6.94	0.94	0.98	0.85	2.89	stable
-10.63	0.38	0.97	0.85	2.30	stable
-7.49	0.58	0.99	0.87	2.19	stable
-11.12	0.52	0.98	0.86	3.49	stable
-5.62	0.87	0.92	0.78	2.56	stable
-11.44	0.26	0.99	0.87	2.91	stable
-3.32	1.39	1.13	1.16	2.06	stable
-6.75	0.81	1.06	1.01	2.51	stable
-7.38	1.05	1.06	1.01	2.11	stable
-10.13	0.88	1.04	0.98	2.40	stable
-10.91	0.44	1.04	0.98	3.37	stable
-6.46	0.84	2.44	3.43	3.12	stable
9.37	-0.28	11.15	21.61	0.38	0.75
15.72	0.14	1.18	1.25	1.49	stable
-0.13	-60.83	1.09	1.08	1.31	stable
11.03	1.34	1.07	1.04	0.92	0.94
14.29	0.87	1.04	0.97	0.25	0.72
37.13	0.44	1.05	0.99	-0.23	0.66
53.23	-0.05	1.01	0.92	0.08	0.70
85.40	-0.18	0.82	0.66	0.65	0.82
94.69	0.00	0.79	0.63	0.66	0.82
113.72	-0.14	0.78	0.61	0.63	0.81
113.90	-0.20	0.77	0.61	0.36	0.74
92.61	-0.58	0.72	0.55	0.71	0.84
115.24	-0.01	0.59	0.42	0.31	0.73
114.80	-0.10	0.55	0.39	0.28	0.73
176.53	-0.17	0.51	0.36	0.41	0.75
147.34	-0.35	0.57	0.41	0.52	0.78
101.65	-0.26	0.35	0.22	-2.33	0.53
165.17	-0.06	0.19	0.10	-0.34	0.65
182.07	0.05	0.38	0.25	0.40	0.75
122.51	-0.16	0.73	0.56	-0.46	0.63
143.58	0.09	0.69	0.52	0.72	0.84
197.28	0.80	0.41	0.27	1.04	stable
117.13	0.29	0.14	0.07	0.35	0.74
105.78	0.34	0.48	0.33	0.62	0.81
148.47	0.30	0.79	0.62	0.81	0.88
101.28	0.22	0.78	0.61	0.70	0.83
65.00	0.02	0.43	0.28	0.64	0.82
70.59	-0.08	0.72	0.55	0.84	0.90
48.53	-0.03	0.65	0.48	0.87	0.91

40.79	0.04	0.90	0.75	1.03	stable
34.09	0.25	0.83	0.67	1.02	stable
26.19	0.48	0.73	0.56	1.05	stable
24.78	0.79	0.95	0.82	1.06	stable
19.34	0.96	0.96	0.83	1.08	stable
13.90	0.52	0.94	0.80	1.26	stable
9.99	0.61	0.19	0.10	1.11	stable
8.07	1.69	0.53	0.37	1.46	stable
16.90	0.35	1.22	1.33	1.32	stable
31.05	-5585993.53	1.03	0.96	1.30	stable
30.13	0.34	0.84	0.68	1.29	stable
44.07	0.11	0.95	0.81	1.25	stable
37.90	0.09	1.00	0.90	1.22	stable
19.68	0.02	0.95	0.82	1.42	stable
17.68	-0.03	0.95	0.81	1.58	stable
19.93	-0.09	0.91	0.76	1.63	stable
23.86	-0.11	0.96	0.82	1.50	stable
17.29	-0.18	0.78	0.61	1.63	stable
14.52	-0.31	0.77	0.60	1.55	stable
8.35	-0.37	0.91	0.76	3.71	stable
9.06	0.51	0.96	0.83	2.10	stable
7.28	0.05	0.93	0.79	2.06	stable
8.47	-0.16	0.65	0.48	1.73	stable
5.06	1.02	0.78	0.61	1.44	stable
6.03	2.70	0.89	0.74	1.13	stable
-0.50	-34.05	1.13	1.14	1.30	stable
-1.94	-9.96	1.20	1.29	1.24	stable
-4.95	-2.97	1.26	1.40	1.30	stable
-3.62	-2.67	1.28	1.43	1.73	stable
-4.95	-2.56	1.24	1.37	1.45	stable
-6.71	-2.91	1.19	1.26	1.29	stable
-5.04	-3.36	1.21	1.31	1.30	stable
-2.51	-4.51	1.17	1.23	1.41	stable
-7.81	-2.18	1.14	1.17	1.16	stable
-5.14	-3.87	1.13	1.16	1.06	stable
15.36	1.67	1.04	0.97	1.01	stable
-3.36	-8.49	1.06	1.02	1.02	stable
-4.26	-4.88	1.09	1.07	1.08	stable
-10.11	-1.08	1.28	1.43	1.18	stable
-1.64	-1.54	1.30	1.47	1.25	stable
0.20	1.97	1.31	1.49	2.88	stable
-1.34	-3.27	1.10	1.09	1.39	stable
-1.69	-4.61	1.17	1.23	1.28	stable
-0.03	-242.66	1.22	1.32	1.15	stable
0.67	17.23	1.32	1.51	1.40	stable
-1.28	-16.99	1.77	2.28	1.34	stable
32.17	1.64	1.42	1.68	1.13	stable
51.69	0.85	1.18	1.24	0.97	0.97
70.46	-0.42	1.08	1.06	0.93	0.95
66.61	0.02	1.04	0.97	0.87	0.91
64.96	0.18	1.02	0.94	0.87	0.91
78.50	0.28	1.02	0.93	0.84	0.90



79.03	0.40	1.02	0.93	0.70	0.84
91.32	0.48	1.04	0.97	0.50	0.77
100.42	0.47	1.04	0.98	0.58	0.79
83.64	-0.85	1.02	0.92	0.93	0.95
75.94	-0.27	1.03	0.95	0.84	0.89
53.81	-0.05	1.00	0.88	0.98	0.98
48.31	-3.16	0.95	0.81	1.00	1.00
44.89	-7.90	0.95	0.81	0.94	0.95
66.86	-6.48	0.97	0.84	0.94	0.95
59.78	-3.58	0.95	0.82	0.97	0.97
77.17	-2.36	1.05	1.00	0.92	0.94
104.95	-3.06	0.96	0.83	0.90	0.92
128.56	-2.19	0.84	0.68	0.93	0.94

284.16	0.22	1.26	1.39	0.65	0.82
251.48	0.27	0.91	0.76	0.76	0.86
337.26	0.33	0.95	0.81	0.89	0.92
445.69	0.08	0.91	0.76	0.89	0.92
554.62	-0.02	0.92	0.77	0.90	0.92
550.04	-0.05	0.88	0.73	0.89	0.92
577.06	-0.01	0.83	0.66	0.92	0.94
382.10	-0.04	0.78	0.62	0.86	0.90
408.58	0.02	0.86	0.70	0.87	0.91
298.08	0.05	0.80	0.64	0.86	0.90
364.60	0.05	0.83	0.67	0.90	0.92
362.57	0.06	0.85	0.69	0.90	0.93
379.73	0.38	0.95	0.82	0.95	0.96
275.11	0.29	0.96	0.82	0.95	0.96
319.31	0.23	0.97	0.85	0.96	0.97
249.62	0.34	0.99	0.87	0.97	0.97
201.42	0.41	0.99	0.87	0.96	0.96
205.64	0.31	1.00	0.88	0.97	0.97
155.46	0.27	1.01	0.90	0.98	0.98
133.03	0.19	1.01	0.91	0.98	0.98
102.60	0.22	1.01	0.92	0.98	0.99
77.69	-0.01	1.02	0.93	0.99	0.99

113.99	-0.61	0.60	0.43	0.23	0.72
92.85	0.30	0.74	0.57	0.10	0.70
119.71	-2.13	0.77	0.60	0.53	0.78
160.76	0.29	0.74	0.57	0.39	0.75
155.51	0.16	0.63	0.46	-0.51	0.63
221.24	0.13	0.66	0.49	-0.78	0.61
231.54	0.14	0.67	0.50	-0.18	0.66
182.87	0.17	0.63	0.46	-0.91	0.60
202.61	0.16	0.74	0.57	-0.89	0.60
166.65	0.24	0.50	0.34	0.20	0.71
218.04	0.26	0.53	0.37	0.76	0.86
211.44	0.20	0.77	0.60	0.06	0.69
306.96	0.25	0.80	0.63	0.50	0.78
297.17	0.35	0.85	0.69	0.59	0.80

220.99	0.36	0.87	0.72	0.57	0.79
231.04	0.32	0.82	0.66	0.62	0.81
221.83	0.25	0.84	0.68	0.58	0.80
216.13	0.27	0.90	0.76	0.69	0.83
175.32	0.31	0.92	0.78	0.72	0.84
178.85	0.32	0.93	0.79	0.82	0.88
214.85	0.25	0.87	0.71	0.74	0.85
47.63	59.12	1.58	1.95	1.61	stable
31.19	0.18	1.38	1.61	1.53	stable
16.16	-0.29	1.46	1.75	0.59	0.80
8.39	-1.97	4.27	6.82	-0.84	0.60
25.06	-0.59	1.72	2.20	2.50	stable
26.61	-0.26	1.83	2.38	1.36	stable
23.18	-0.05	1.57	1.95	2.09	stable
8.30	-0.08	1.69	2.15	3.24	stable
8.78	-0.43	1.57	1.94	3.54	stable
4.71	-0.62	1.97	2.63	5.18	stable
1.54	-1.44	1.81	2.35	2.27	stable
-5.98	0.37	1.94	2.57	-0.72	0.61
3.78	1.15	2.53	3.60	3.31	stable
0.00	425.01	2.20	3.01	30.63	stable
0.56	-0.31	2.03	2.72	6.56	stable
1.99	-0.81	2.15	2.93	6.71	stable
7.69	-0.89	1.91	2.52	2.87	stable
21.64	-0.45	1.74	2.23	1.39	stable
15.95	0.01	1.26	1.39	1.30	stable
14.01	-0.92	1.17	1.22	1.21	stable
16.64	-0.71	1.12	1.13	1.18	stable
49.03	-0.21	1.10	1.10	1.09	stable
18.25	0.19	1.09	1.08	1.10	stable
23.10	-0.12	1.07	1.03	1.07	stable
25.56	-0.40	1.05	0.99	1.08	stable
36.73	-0.67	1.04	0.97	1.06	stable
21.18	-1.43	1.02	0.93	1.04	stable
32.91	-0.63	1.01	0.91	1.08	stable
35.71	-0.17	1.03	0.94	1.08	stable
37.37	0.06	1.03	0.94	1.08	stable
32.80	0.29	1.02	0.92	1.06	stable
28.59	0.24	1.03	0.95	1.06	stable
21.07	0.23	1.03	0.94	1.06	stable
30.83	0.10	1.02	0.94	1.03	stable
43.37	0.06	1.02	0.93	0.98	0.99
35.80	0.24	1.01	0.90	0.98	0.98
58.44	0.16	1.00	0.89	0.98	0.98
115.97	0.22	0.99	0.88	0.98	0.99
138.80	0.23	0.99	0.88	0.98	0.98
134.98	0.19	0.99	0.87	0.97	0.98
145.06	0.30	0.99	0.87	0.97	0.98
184.38	0.11	0.97	0.84	0.97	0.98
161.69	0.06	0.96	0.83	0.95	0.96
197.70	0.12	0.95	0.81	0.95	0.96

185.20	0.14	0.96	0.83	0.95	0.96
219.97	-0.10	0.96	0.83	0.95	0.96
255.31	0.29	0.99	0.87	0.93	0.94
296.33	0.45	0.98	0.86	0.94	0.95
314.59	0.35	0.99	0.87	0.95	0.96
221.40	0.06	1.00	0.88	0.90	0.93
154.49	0.40	1.01	0.90	0.63	0.81
157.69	0.27	0.97	0.84	0.29	0.73
327.76	0.20	0.97	0.85	0.81	0.88
164.65	0.26	0.98	0.86	0.35	0.74
234.79	0.32	1.01	0.90	0.62	0.81
295.83	0.33	1.00	0.89	0.89	0.92
356.90	0.42	1.02	0.93	0.95	0.96
287.47	0.37	1.08	1.05	0.97	0.97
313.92	-0.02	1.05	1.00	0.96	0.97
226.84	0.00	1.03	0.96	0.96	0.97
223.27	-0.01	1.05	1.00	0.96	0.96
234.89	0.06	1.03	0.96	0.95	0.96
48.50	0.18	0.65	0.48	-2.58	0.52
182.57	-0.88	2.15	2.94	0.32	0.74
186.71	0.17	1.09	1.07	0.64	0.81
244.30	0.11	0.76	0.59	0.61	0.80
263.24	0.11	0.65	0.48	0.57	0.79
243.58	0.08	0.73	0.56	0.03	0.69
321.43	0.03	0.77	0.60	0.66	0.82
296.54	-0.01	0.83	0.67	0.69	0.83
378.09	0.00	0.80	0.63	0.74	0.85
45.96	-0.02	1.07	1.04	0.95	0.96
60.22	0.05	1.08	1.05	0.97	0.98
57.03	0.11	1.04	0.98	0.98	0.98
70.06	0.55	1.10	1.09	0.99	0.99
63.89	0.22	1.01	0.91	0.98	0.99
72.48	0.29	1.01	0.91	0.99	0.99
35.44	0.36	1.02	0.94	1.00	stable
60.84	0.12	1.03	0.95	1.00	1.00
67.92	0.11	1.03	0.96	1.00	stable
73.47	0.23	1.03	0.95	1.01	stable
81.81	0.24	1.03	0.95	1.02	stable
56.12	0.14	1.03	0.94	1.04	stable
55.25	0.09	1.04	0.98	1.04	stable
48.58	-0.03	1.05	0.98	1.07	stable
57.72	-0.10	1.04	0.98	1.06	stable
47.70	-0.16	1.05	0.99	1.09	stable
41.51	-0.26	1.04	0.97	1.08	stable
39.05	-0.20	1.06	1.02	1.15	stable
45.58	-0.12	1.06	1.00	1.07	stable
41.74	-0.15	1.05	1.00	1.09	stable

41.72	-0.18	1.05	0.99	1.08	stable
34.14	-0.23	1.07	1.02	1.11	stable
42.47	-0.26	1.05	1.00	1.14	stable
30.83	-0.31	1.05	0.99	1.15	stable
31.09	-0.22	1.05	0.99	1.19	stable
23.62	-0.30	1.06	1.01	1.14	stable
33.58	-0.28	1.04	0.98	1.20	stable
37.68	-0.38	1.03	0.94	1.19	stable
55.32	-0.07	0.85	0.69	-0.11	0.67
61.50	-0.10	0.86	0.70	0.06	0.69
90.86	-0.01	0.97	0.85	0.70	0.84
74.28	0.07	0.95	0.81	0.61	0.81
98.55	0.16	0.94	0.80	0.70	0.83
97.89	0.16	0.96	0.83	-1.23	0.58
102.88	0.14	0.85	0.68	0.10	0.70
133.33	0.11	0.86	0.71	-0.58	0.62
123.57	0.12	0.74	0.57	0.68	0.83
104.73	0.06	0.65	0.48	0.20	0.71
124.95	-0.04	0.82	0.65	0.49	0.77
114.14	-0.03	0.67	0.50	-0.50	0.63
124.66	-0.07	0.75	0.58	0.48	0.77
107.99	-0.02	0.73	0.56	0.24	0.72
46.51	0.08	0.72	0.55	0.99	0.99
68.07	0.12	0.90	0.75	0.98	0.98
61.90	0.02	1.30	1.48	1.00	1.00
41.46	-0.06	1.36	1.58	1.02	stable
34.03	-0.11	1.47	1.76	1.41	stable
24.58	-0.14	1.50	1.81	1.94	stable
29.62	-0.14	1.64	2.06	1.26	stable
24.72	-0.17	1.64	2.06	1.32	stable
32.53	-0.20	1.78	2.29	1.18	stable
28.02	-0.11	1.74	2.22	1.32	stable
23.44	-0.16	1.41	1.66	1.27	stable
31.69	-0.10	1.29	1.45	1.18	stable
27.14	-0.32	1.24	1.35	1.19	stable
20.33	-0.44	1.39	1.63	1.34	stable
29.68	-0.42	1.22	1.33	1.26	stable
28.41	-0.49	1.17	1.23	1.25	stable
38.94	-0.42	1.12	1.13	1.18	stable
34.92	-0.39	1.24	1.35	1.14	stable
24.30	-0.32	1.40	1.64	1.32	stable
21.39	-0.38	1.69	2.14	1.31	stable
15.25	-0.29	2.22	3.05	1.73	stable
11.05	-0.39	1.83	2.39	1.53	stable
16.67	-0.38	1.48	1.79	1.30	stable
26.04	-0.29	1.33	1.53	1.31	stable
26.54	-0.26	1.55	1.91	1.29	stable
25.47	-0.17	1.48	1.78	1.43	stable
27.01	-0.19	1.55	1.90	1.28	stable
25.91	-0.13	1.26	1.40	1.22	stable

31.04	-0.15	1.34	1.54	1.21	stable
29.99	-0.15	1.34	1.54	1.31	stable
24.93	-0.20	1.37	1.59	1.29	stable
28.10	-0.19	1.47	1.76	1.22	stable
21.42	-0.18	1.47	1.77	1.35	stable
19.60	-0.31	1.56	1.92	1.24	stable
18.80	-0.41	1.44	1.71	1.22	stable
19.70	-0.44	1.37	1.60	1.28	stable
21.41	-0.53	1.34	1.53	1.36	stable
14.25	-0.65	1.33	1.53	1.53	stable
14.44	-1.02	1.32	1.50	1.32	stable
17.90	-1.25	1.22	1.32	1.32	stable
16.43	-2.00	1.17	1.23	1.21	stable
16.09	-2.25	1.20	1.29	1.25	stable
13.93	-2.72	1.19	1.27	1.17	stable
18.60	-2.05	1.16	1.21	1.19	stable
20.98	-1.89	1.22	1.33	1.13	stable
15.90	-1.65	1.18	1.25	1.22	stable
15.60	-2.31	1.18	1.25	1.17	stable
15.45	-2.27	1.16	1.21	1.17	stable
18.50	-1.98	1.10	1.09	1.12	stable
17.35	-1.92	1.08	1.05	1.10	stable
18.93	-1.47	1.05	0.98	1.13	stable
26.92	-1.17	1.04	0.98	1.06	stable
38.56	-0.73	0.99	0.87	0.97	0.98
61.60	-0.28	0.98	0.85	0.95	0.96
50.48	-0.06	0.94	0.81	0.91	0.93
65.75	-0.04	0.92	0.77	0.86	0.91
72.46	-0.02	0.82	0.65	0.78	0.86
84.15	-0.05	0.80	0.64	0.79	0.87
66.81	-0.08	0.83	0.67	0.60	0.80
78.53	-0.17	0.85	0.69	0.55	0.79
62.39	-0.14	0.94	0.80	0.67	0.82
95.17	-0.07	0.87	0.72	0.62	0.81
95.65	-0.05	0.82	0.65	0.65	0.82
133.16	-0.05	0.79	0.62	0.71	0.84
148.69	-0.03	0.70	0.52	0.65	0.82
117.39	0.01	0.76	0.59	0.63	0.81
121.82	0.26	0.85	0.69	0.86	0.91
79.81	0.13	0.95	0.82	0.90	0.92

<b>phi(M) Businger</b>	<b>phi(H) Dyer</b>	<b>phi(H) Businger</b>
0.58	0.33	0.31
0.50	0.25	0.24
0.68	0.45	0.41
0.63	0.39	0.36
0.55	0.30	0.28
0.54	0.28	0.27
0.59	0.34	0.32
0.63	0.38	0.36
0.65	0.41	0.38
0.56	0.30	0.29
0.55	0.29	0.28
0.49	0.23	0.23
0.40	0.15	0.15
0.46	0.21	0.20
0.64	0.40	0.37
0.80	0.63	0.54
0.67	0.44	0.41

<b>phi(M) Businger</b>	<b>phi(H) Dyer</b>	<b>phi(H) Businger</b>
1.72	stable	1.72
1.16	stable	1.16
1.46	stable	1.46
1.99	stable	1.99
0.85	0.71	0.59
3.46	stable	3.46
1.65	stable	1.65
2.60	stable	2.60
0.83	stable	0.83
2.16	stable	2.16
1.26	stable	1.26
1.29	stable	1.29
0.92	stable	0.92
1.05	stable	1.05

0.65	0.42	0.38
0.68	0.45	0.41
0.55	0.30	0.28
0.50	0.24	0.23
0.62	0.38	0.35
0.72	0.51	0.46
0.58	0.33	0.31
0.67	0.44	0.40
0.61	0.36	0.34
0.61	0.37	0.34
0.75	0.55	0.49
0.83	0.67	0.57
0.86	0.74	0.61
0.88	0.76	0.62
0.56	0.31	0.29

0.47	0.21	0.20
0.55	0.29	0.28
0.58	0.32	0.31
0.71	0.49	0.45
0.86	0.73	0.61
0.86	0.72	0.60
0.89	0.79	0.64
0.90	0.81	0.65
0.93	0.86	0.68
0.94	0.88	0.69
0.93	0.86	0.68

0.91	0.82	0.65
0.90	0.80	0.64
0.88	0.76	0.63
0.90	0.79	0.64
0.86	0.74	0.61
0.90	0.79	0.64
0.89	0.78	0.63
0.89	0.79	0.64
0.91	0.82	0.66
0.93	0.86	0.68
0.96	0.92	0.71
0.94	0.88	0.69
0.96	0.91	0.70
0.95	0.90	0.69
0.96	0.91	0.70
0.96	0.92	0.71
0.95	0.90	0.70
0.98	0.95	0.72
0.98	0.96	0.72
0.99	0.97	0.73
0.77	stable	0.77
0.77	stable	0.77
0.81	stable	0.81
0.82	stable	0.82
0.84	stable	0.84
0.90	stable	0.90
0.82	stable	0.82
1.04	stable	1.04
0.89	stable	0.89
0.94	stable	0.94
1.33	stable	1.33
1.38	stable	1.38
0.93	stable	0.93
2.09	stable	2.09
2.01	stable	2.01
2.59	stable	2.59
2.01	stable	2.01
2.03	stable	2.03

1.89	stable	1.89
5.58	stable	5.58
1.24	stable	1.24
0.73	0.52	0.47
3.76	stable	3.76
1.14	stable	1.14
1.37	stable	1.37
1.30	stable	1.30
1.83	stable	1.83
1.73	stable	1.73
1.68	stable	1.68
2.45	stable	2.45
1.91	stable	1.91
1.82	stable	1.82
2.99	stable	2.99
2.15	stable	2.15
2.47	stable	2.47
1.70	stable	1.70
2.11	stable	2.11
1.74	stable	1.74
2.00	stable	2.00
2.88	stable	2.88
2.65	stable	2.65
0.76	0.56	0.49
1.18	stable	1.18
1.02	stable	1.02
0.94	0.88	0.68
0.73	0.52	0.47
0.66	0.43	0.40
0.70	0.48	0.44
0.82	0.67	0.57
0.83	0.68	0.57
0.82	0.66	0.56
0.75	0.55	0.49
0.84	0.70	0.59
0.74	0.54	0.48
0.74	0.53	0.47
0.76	0.57	0.50
0.79	0.61	0.53
0.54	0.28	0.27
0.65	0.42	0.39
0.76	0.57	0.50
0.64	0.40	0.37
0.85	0.71	0.59
0.78	stable	0.78
0.75	0.55	0.49
0.82	0.65	0.56
0.88	0.77	0.63
0.84	0.69	0.58
0.82	0.66	0.57
0.90	0.80	0.65
0.92	0.83	0.66



0.77	stable	0.77
0.76	stable	0.76
0.79	stable	0.79
0.80	stable	0.80
0.81	stable	0.81
0.98	stable	0.98
0.84	stable	0.84
1.16	stable	1.16
1.03	stable	1.03
1.01	stable	1.01
1.00	stable	1.00
0.97	stable	0.97
0.94	stable	0.94
1.12	stable	1.12
1.27	stable	1.27
1.31	stable	1.31
1.19	stable	1.19
1.31	stable	1.31
1.24	stable	1.24
3.19	stable	3.19
1.73	stable	1.73
1.70	stable	1.70
1.40	stable	1.40
1.14	stable	1.14
0.86	stable	0.86
1.02	stable	1.02
0.96	stable	0.96
1.01	stable	1.01
1.40	stable	1.40
1.15	stable	1.15
1.00	stable	1.00
1.01	stable	1.01
1.11	stable	1.11
0.89	stable	0.89
0.80	stable	0.80
0.75	stable	0.75
0.75	stable	0.75
0.81	stable	0.81
0.90	stable	0.90
0.97	stable	0.97
2.44	stable	2.44
1.09	stable	1.09
0.99	stable	0.99
0.88	stable	0.88
1.10	stable	1.10
1.04	stable	1.04
0.85	stable	0.85
0.98	0.95	0.72
0.95	0.90	0.70
0.92	0.83	0.66
0.92	0.83	0.66
0.90	0.80	0.65

0.84	0.70	0.59
0.78	0.60	0.52
0.80	0.63	0.54
0.95	0.89	0.69
0.90	0.80	0.64
0.99	0.97	0.73
1.00	1.00	0.74
0.96	0.91	0.70
0.95	0.90	0.70
0.98	0.95	0.72
0.94	0.88	0.69
0.93	0.86	0.67
0.95	0.89	0.69

0.82	0.67	0.57
0.86	0.73	0.61
0.93	0.85	0.67
0.92	0.84	0.67
0.93	0.85	0.67
0.92	0.84	0.67
0.94	0.88	0.69
0.91	0.82	0.65
0.92	0.83	0.66
0.91	0.82	0.65
0.93	0.85	0.67
0.93	0.86	0.68
0.97	0.93	0.71
0.96	0.92	0.71
0.97	0.94	0.71
0.97	0.94	0.72
0.97	0.93	0.71
0.97	0.94	0.72
0.98	0.96	0.72
0.98	0.96	0.73
0.99	0.97	0.73
0.99	0.98	0.73

0.73	0.52	0.46
0.71	0.49	0.44
0.79	0.61	0.53
0.76	0.56	0.50
0.64	0.40	0.37
0.62	0.37	0.35
0.67	0.44	0.40
0.61	0.36	0.34
0.61	0.36	0.34
0.72	0.51	0.46
0.86	0.74	0.61
0.70	0.48	0.44
0.78	0.60	0.52
0.81	0.64	0.55

0.80	0.63	0.54
0.81	0.65	0.56
0.80	0.63	0.55
0.84	0.69	0.58
0.85	0.71	0.59
0.89	0.78	0.63
0.85	0.72	0.60
1.29	stable	1.29
1.22	stable	1.22
0.81	0.64	0.55
0.61	0.36	0.34
2.10	stable	2.10
1.07	stable	1.07
1.72	stable	1.72
2.77	stable	2.77
3.04	stable	3.04
4.52	stable	4.52
1.89	stable	1.89
0.62	0.37	0.35
2.82	stable	2.82
27.53	stable	27.53
5.77	stable	5.77
5.90	stable	5.90
2.43	stable	2.43
1.09	stable	1.09
1.02	stable	1.02
0.93	stable	0.93
0.91	stable	0.91
0.82	stable	0.82
0.83	stable	0.83
0.81	stable	0.81
0.81	stable	0.81
0.80	stable	0.80
0.77	stable	0.77
0.81	stable	0.81
0.81	stable	0.81
0.81	stable	0.81
0.80	stable	0.80
0.79	stable	0.79
0.80	stable	0.80
0.77	stable	0.77
0.99	0.97	0.73
0.99	0.97	0.73
0.99	0.97	0.73
0.99	0.97	0.73
0.98	0.97	0.73
0.98	0.95	0.72
0.98	0.95	0.72
0.98	0.95	0.72
0.96	0.92	0.70
0.96	0.92	0.70

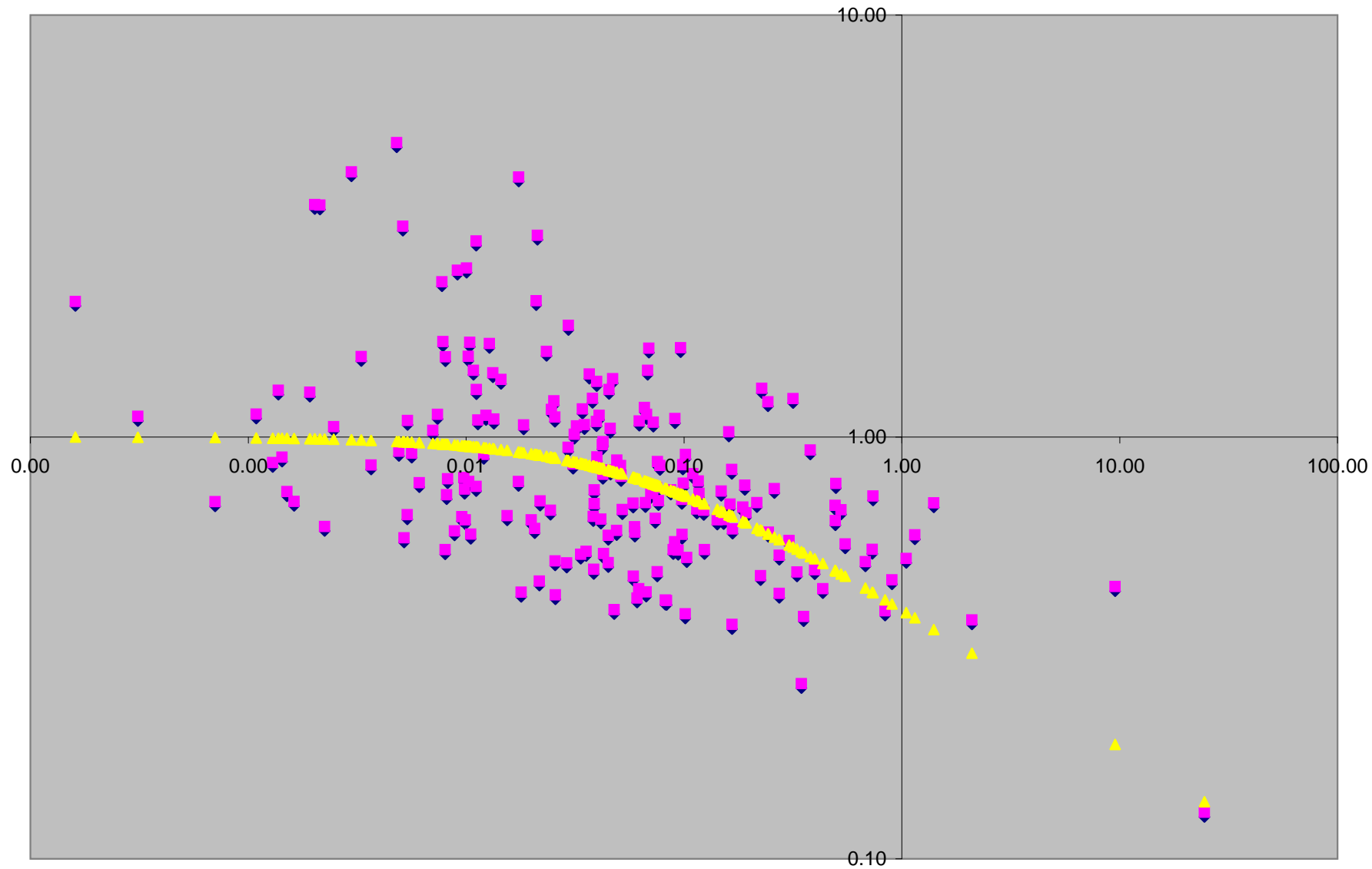
0.96	0.92	0.71
0.96	0.92	0.70
0.95	0.89	0.69
0.96	0.91	0.70
0.96	0.92	0.70
0.93	0.86	0.68
0.82	0.65	0.56
0.74	0.53	0.47
0.88	0.77	0.63
0.75	0.55	0.49
0.81	0.65	0.56
0.92	0.85	0.67
0.96	0.92	0.71
0.97	0.94	0.72
0.97	0.94	0.71
0.97	0.94	0.71
0.97	0.93	0.71
0.97	0.93	0.71

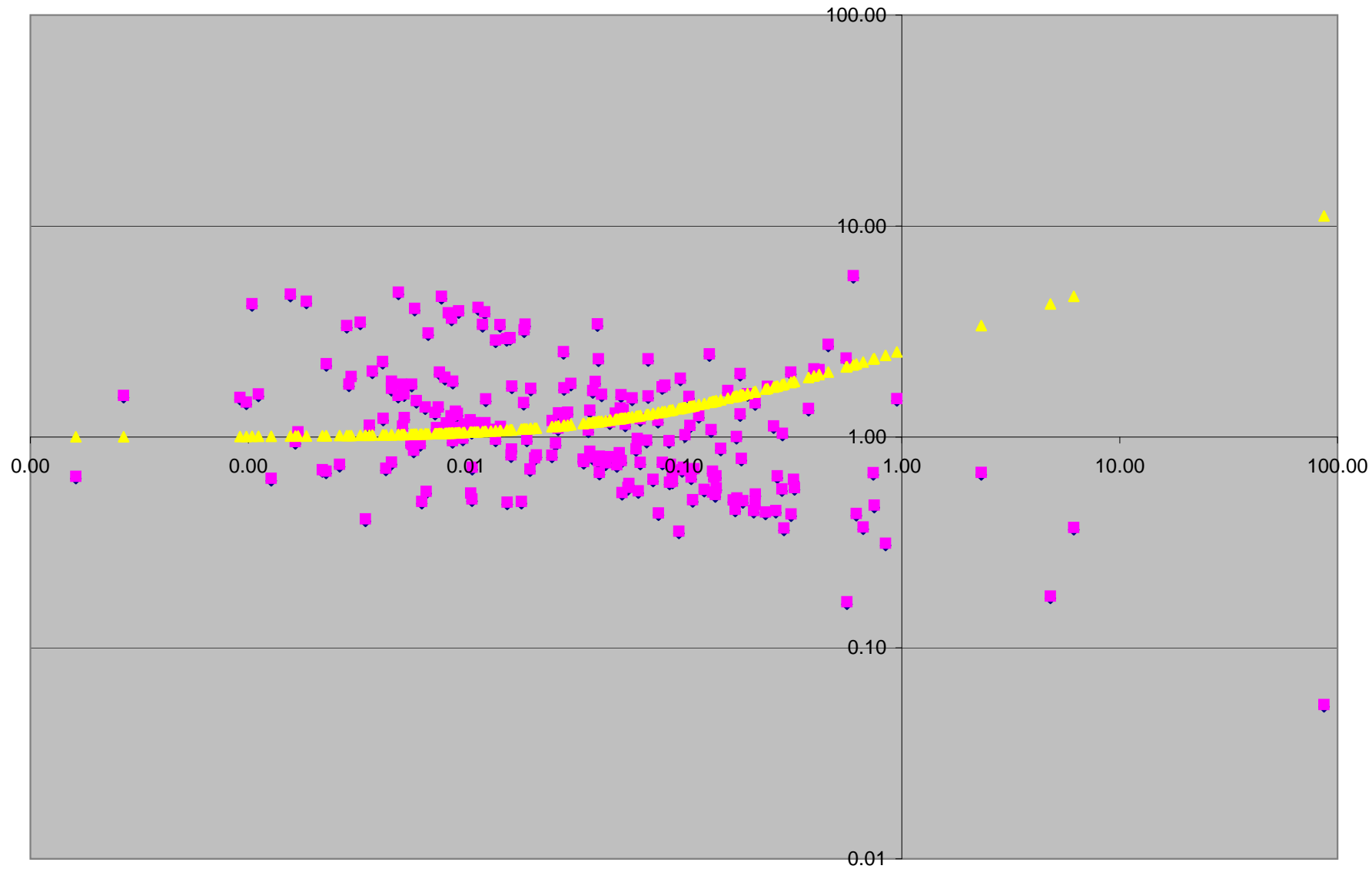
0.53	0.27	0.26
0.74	0.54	0.48
0.82	0.66	0.56
0.81	0.65	0.55
0.80	0.63	0.54
0.70	0.47	0.43
0.83	0.67	0.57
0.84	0.69	0.58
0.86	0.72	0.60

0.96	0.92	0.71
0.98	0.96	0.72
0.98	0.97	0.73
0.99	0.99	0.73
0.99	0.97	0.73
0.99	0.98	0.73
0.74	stable	0.74
1.00	0.99	0.74
0.74	stable	0.74
0.75	stable	0.75
0.76	stable	0.76
0.77	stable	0.77
0.77	stable	0.77
0.80	stable	0.80
0.79	stable	0.79
0.82	stable	0.82
0.81	stable	0.81
0.88	stable	0.88
0.80	stable	0.80
0.82	stable	0.82

0.81	stable	0.81
0.84	stable	0.84
0.86	stable	0.86
0.88	stable	0.88
0.91	stable	0.91
0.87	stable	0.87
0.92	stable	0.92
0.91	stable	0.91
0.68	0.45	0.41
0.70	0.48	0.44
0.84	0.70	0.59
0.81	0.65	0.56
0.84	0.70	0.58
0.59	0.33	0.32
0.71	0.49	0.44
0.63	0.39	0.36
0.83	0.68	0.58
0.72	0.51	0.46
0.78	0.60	0.52
0.64	0.40	0.37
0.78	0.59	0.52
0.73	0.52	0.47
0.99	0.98	0.73
0.99	0.97	0.73
1.00	1.00	0.74
0.76	stable	0.76
1.12	stable	1.12
1.59	stable	1.59
0.98	stable	0.98
1.03	stable	1.03
0.90	stable	0.90
1.03	stable	1.03
0.99	stable	0.99
0.90	stable	0.90
0.91	stable	0.91
1.05	stable	1.05
0.97	stable	0.97
0.97	stable	0.97
0.90	stable	0.90
0.87	stable	0.87
1.03	stable	1.03
1.02	stable	1.02
1.40	stable	1.40
1.21	stable	1.21
1.01	stable	1.01
1.02	stable	1.02
1.00	stable	1.00
1.13	stable	1.13
0.99	stable	0.99
0.94	stable	0.94

0.93	stable	0.93
1.02	stable	1.02
1.00	stable	1.00
0.94	stable	0.94
1.06	stable	1.06
0.96	stable	0.96
0.94	stable	0.94
1.00	stable	1.00
1.07	stable	1.07
1.22	stable	1.22
1.03	stable	1.03
1.03	stable	1.03
0.93	stable	0.93
0.96	stable	0.96
0.90	stable	0.90
0.91	stable	0.91
0.85	stable	0.85
0.94	stable	0.94
0.89	stable	0.89
0.89	stable	0.89
0.85	stable	0.85
0.83	stable	0.83
0.86	stable	0.86
0.79	stable	0.79
0.98	0.95	0.72
0.96	0.93	0.71
0.94	0.87	0.68
0.91	0.82	0.66
0.87	0.75	0.62
0.88	0.76	0.62
0.81	0.64	0.55
0.80	0.62	0.54
0.83	0.68	0.58
0.82	0.65	0.56
0.82	0.67	0.57
0.84	0.70	0.59
0.82	0.67	0.57
0.82	0.66	0.56
0.91	0.82	0.66
0.93	0.85	0.67







Ri		phi M	phi (M)		phi (M)		Ri	z/L
-24.477583	24.48	0.13		0.13		0.14	0.068528	0.26
-9.539495	9.54	0.43		0.44		0.19	0.052716	0.11
-2.095735	2.10	0.36		0.37		0.31	0.105517	0.19
-1.402091	1.40	0.68		0.70		0.35	0.096401	0.30
-1.147435	1.15	0.57		0.59		0.37	0.158875	-0.01
-1.048695	1.05	0.50		0.52		0.38	0.131043	0.65
-0.902355	0.90	0.45		0.46		0.40	6.149480	0.21
-0.837997	0.84	0.38		0.39		0.41	0.196059	0.50
-0.737972	0.74	0.71		0.72		0.43	2.319066	0.05
-0.732747	0.73	0.53		0.54		0.43	0.212314	0.37
-0.680425	0.68	0.49		0.51		0.44	0.053763	0.13
-0.550345	0.55	0.54		0.56		0.47	0.026469	0.14
-0.526717	0.53	0.65		0.67		0.47	0.025753	0.05
-0.498594	0.50	0.76		0.77		0.48	0.049220	0.08
-0.495203	0.50	0.62		0.63		0.48		
-0.493983	0.49	0.67		0.69		0.48		
-0.434416	0.43	0.43		0.44		0.50	Ri	
-0.397869	0.40	0.47		0.48		0.51	0.282085	-0.27
-0.380382	0.38	0.91		0.93		0.52	0.109667	-0.23
-0.354349	0.35	0.37		0.37		0.53	0.174260	-0.59
-0.346305	0.35	0.25		0.26		0.53	-0.316988	-0.94
-0.330628	0.33	0.47		0.48		0.54	-1.147435	-0.34
-0.316988	0.32	1.20		1.23		0.55	-0.680425	-0.16
-0.303653	0.30	0.55		0.57		0.55	-0.227969	-0.46
-0.273734	0.27	0.42		0.43		0.57	-0.526717	-0.25
-0.273728	0.27	0.51		0.52		0.57	-0.737972	-0.39
-0.260360	0.26	0.74		0.75		0.58	-0.380382	-0.37
-0.244544	0.24	0.58		0.59		0.59	-0.550345	-0.13
-0.242851	0.24	1.18		1.21		0.59	-0.216265	-0.07
-0.227969	0.23	1.27		1.30		0.60	-0.330628	-0.05
-0.224691	0.22	0.46		0.47		0.60	-0.193068	-0.04
-0.216265	0.22	0.68		0.70		0.61		
-0.193068	0.19	0.64		0.66		0.63	-0.260360	-0.53
-0.190543	0.19	0.75		0.77		0.63	-0.493983	-1.22
-0.186414	0.19	0.67		0.68		0.63	-0.902355	-0.61
-0.167171	0.17	0.59		0.60		0.65	-0.495203	-0.49
-0.166376	0.17	0.35		0.36		0.65	-0.273734	-0.18
-0.165636	0.17	0.82		0.84		0.65	-0.025702	-0.05
-0.162788	0.16	0.68		0.69		0.65	-0.059504	-0.05
-0.160753	0.16	1.00		1.03		0.65	-0.083311	-0.04
-0.152193	0.15	0.62		0.64		0.66	-0.062019	-0.03
-0.148394	0.15	0.73		0.74		0.67	-0.019895	-0.02
-0.142293	0.14	0.62		0.64		0.67	-0.025653	-0.02
-0.124383	0.12	0.53		0.54		0.69	-0.009562	-0.02
-0.123294	0.12	0.65		0.67		0.70		
-0.117257	0.12	0.72		0.74		0.70		
-0.116436	0.12	0.77		0.79		0.70		
-0.114734	0.11	0.66		0.67		0.71	-0.072430	-0.03
-0.110056	0.11	0.80		0.82		0.71	-0.045255	-0.03
-0.103100	0.10	0.50		0.52		0.72	-0.047116	-0.04
-0.101743	0.10	0.89		0.91		0.72	-0.039768	-0.03

-0.101557	0.10	0.37	0.38	0.72	-0.029521	-0.05
-0.099320	0.10	0.76	0.78	0.73	-0.116436	-0.03
-0.098734	0.10	0.84	0.86	0.73	-0.117257	-0.04
-0.098068	0.10	0.57	0.59	0.73	-0.110056	-0.04
-0.097935	0.10	0.69	0.71	0.73	-0.114734	-0.03
-0.096479	0.10	1.59	1.63	0.73	-0.025326	-0.02
-0.094053	0.09	0.53	0.54	0.74	-0.013276	-0.01
-0.090934	0.09	1.08	1.10	0.74	-0.032102	-0.02
-0.090766	0.09	0.55	0.56	0.74	-0.039709	-0.01
-0.089227	0.09	0.53	0.54	0.74	-0.034887	-0.01
-0.087078	0.09	0.73	0.75	0.75	-0.024621	-0.01
-0.083311	0.08	0.40	0.41	0.75	-0.029445	-0.01
-0.082225	0.08	0.40	0.41	0.76	-0.074909	-0.01
-0.077662	0.08	0.83	0.86	0.76	-0.042586	-0.01
-0.076310	0.08	0.69	0.71	0.77	-0.042430	-0.01
-0.075576	0.08	0.85	0.87	0.77	-0.038755	0.00
-0.075367	0.08	0.47	0.48	0.77	-0.010292	0.01
-0.074909	0.07	0.74	0.76	0.77	0.040524	0.01
-0.073842	0.07	0.63	0.64	0.77	0.060254	0.01
-0.072430	0.07	1.06	1.08	0.77	0.139421	0.02
-0.071876	0.07	0.73	0.74	0.77	0.208944	0.02
-0.070464	0.07	0.72	0.73	0.78	0.186331	0.03
-0.069049	0.07	1.58	1.62	0.78	0.310593	0.02
-0.068195	0.07	1.40	1.44	0.78	0.747664	0.06
-0.067487	0.07	1.10	1.13	0.78	0.665399	0.03
-0.067143	0.07	0.42	0.43	0.78	0.106479	0.04
-0.066625	0.07	0.68	0.70	0.79	0.040543	0.12
-0.065795	0.07	1.15	1.17	0.79	0.015920	0.13
-0.062358	0.06	1.06	1.09	0.79	0.028138	0.04
-0.062019	0.06	0.43	0.44	0.79	0.012169	0.27
-0.060911	0.06	0.40	0.41	0.80	0.001041	0.25
-0.059504	0.06	0.58	0.59	0.80	0.005809	0.37
-0.059420	0.06	0.60	0.61	0.80	0.006695	0.25
-0.058636	0.06	0.46	0.47	0.80	0.003267	0.25
-0.058440	0.06	0.68	0.70	0.80	0.013664	0.22
-0.052074	0.05	0.66	0.67	0.82	-0.096479	0.95
-0.051480	0.05	0.79	0.81	0.82	-0.242851	0.09
-0.051245	0.05	0.83	0.86	0.82	-2.095735	0.00
-0.049196	0.05	0.86	0.88	0.82	0.030296	0.55
-0.049062	0.05	0.59	0.60	0.82	0.740230	0.08
-0.047869	0.05	0.38	0.39	0.83	0.018672	0.13
-0.047116	0.05	1.34	1.37	0.83	0.015352	0.11
-0.046062	0.05	0.81	0.83	0.83	0.004894	0.22
-0.045941	0.05	1.02	1.05	0.83	0.001560	0.20
-0.045255	0.05	1.26	1.29	0.83	0.001850	0.19
-0.044983	0.04	0.49	0.50	0.83	-0.004802	0.34
-0.044932	0.04	0.57	0.58	0.83	-0.005129	0.24
-0.042736	0.04	0.52	0.53	0.84	-0.002133	0.22
-0.042586	0.04	0.95	0.97	0.84	-0.002974	0.45
-0.042430	0.04	0.80	0.82	0.84	-0.017446	0.28
-0.042251	0.04	0.93	0.96	0.84	-0.002021	0.34
-0.041624	0.04	0.62	0.64	0.84	0.028019	0.20

-0.040859	0.04	1.10	1.13	0.85	0.011361	0.27
-0.039891	0.04	0.87	0.90	0.85	0.011896	0.20
-0.039768	0.04	1.32	1.35	0.85	0.008295	0.25
-0.039709	0.04	1.06	1.09	0.85	0.008579	0.42
-0.038755	0.04	0.73	0.75	0.85	0.842635	0.39
-0.038737	0.04	0.68	0.69	0.85	86.645290	-0.10
-0.038606	0.04	0.47	0.49	0.85	0.040102	0.14
-0.038358	0.04	0.63	0.65	0.85	0.018481	0.06
-0.038017	0.04	1.20	1.23	0.85	0.014331	-0.01
-0.036825	0.04	1.37	1.41	0.86	0.007718	-0.12
-0.035613	0.04	0.52	0.54	0.86	0.009248	-0.23
-0.034887	0.03	1.04	1.07	0.86	0.002834	-0.18
-0.034213	0.03	1.14	1.16	0.86	-0.049196	-0.07
-0.033583	0.03	0.51	0.53	0.87	-0.062358	-0.07
-0.032102	0.03	1.04	1.06	0.87	-0.070464	-0.07
-0.031403	0.03	0.99	1.01	0.87	-0.071876	-0.13
-0.031029	0.03	0.84	0.86	0.87	-0.103100	-0.06
-0.029521	0.03	1.79	1.84	0.88	-0.244544	-0.14
-0.029445	0.03	0.92	0.95	0.88	-0.303653	-0.15
-0.028950	0.03	0.49	0.50	0.88	-0.397869	-0.12
-0.025702	0.03	0.41	0.42	0.89	-0.273728	-0.10
-0.025653	0.03	0.50	0.51	0.89	-1.402091	-0.68
-0.025550	0.03	1.09	1.11	0.89	-9.539495	-0.22
-0.025326	0.03	1.19	1.22	0.89	-1.048695	-0.11
-0.024621	0.02	1.13	1.16	0.90	-0.098734	-0.29
-0.024382	0.02	0.65	0.67	0.90	-0.124383	-0.05
-0.023390	0.02	1.56	1.59	0.90	-0.837997	0.01
-0.021872	0.02	0.69	0.70	0.90	-24.477583	-0.12
-0.021697	0.02	0.44	0.46	0.91	-0.498594	-0.07
-0.021257	0.02	2.93	3.00	0.91	-0.065795	-0.03
-0.020985	0.02	2.05	2.10	0.91	-0.068195	-0.05
-0.020635	0.02	0.59	0.61	0.91	-0.732747	-0.06
-0.019895	0.02	0.62	0.64	0.91	-0.101743	-0.03
-0.018376	0.02	1.04	1.07	0.92	-0.165636	-0.02
-0.017909	0.02	0.42	0.43	0.92	-0.023390	0.01
-0.017446	0.02	4.03	4.13	0.92	-0.045941	0.01
-0.017422	0.02	0.76	0.78	0.92	-0.099320	0.01
-0.015453	0.02	0.63	0.65	0.93	-0.010234	0.01
-0.014482	0.01	1.34	1.37	0.93	-0.007827	0.02
-0.013427	0.01	1.07	1.10	0.94	-0.012786	0.06
-0.013276	0.01	1.38	1.42	0.94	-9.699864	0.03
-0.012786	0.01	1.62	1.66	0.94	-0.354349	0.09
-0.012343	0.01	1.10	1.12	0.94	0.051416	0.07
-0.012073	0.01	0.89	0.91	0.94	0.006495	0.06
-0.011331	0.01	1.07	1.10	0.95	-0.042251	0.06
-0.011161	0.01	1.26	1.29	0.95	-0.010802	0.05
-0.011136	0.01	0.74	0.76	0.95	0.000916	0.04
-0.011120	0.01	2.84	2.91	0.95	-0.010054	0.09
-0.010802	0.01	1.40	1.44	0.95	-0.011120	0.12
-0.010496	0.01	0.57	0.59	0.95	-0.020985	0.13
-0.010406	0.01	1.63	1.68	0.95	-0.009137	0.10
-0.010292	0.01	0.77	0.78	0.95	-0.067487	0.13

-0.010234	0.01	1.51	1.55	0.95	-0.075576	0.11
-0.010054	0.01	2.45	2.51	0.95	-0.021257	0.54
-0.009929	0.01	0.62	0.64	0.95	-0.007752	0.22
-0.009844	0.01	0.73	0.75	0.95	-0.014482	0.21
-0.009768	0.01	0.78	0.80	0.95	-0.162788	0.15
-0.009562	0.01	0.63	0.65	0.95	-0.069049	0.09
-0.009137	0.01	2.42	2.48	0.96	-0.025550	0.03
-0.008841	0.01	0.58	0.60	0.96	0.026586	0.06
-0.008236	0.01	0.78	0.80	0.96	0.045701	0.05
-0.008145	0.01	0.71	0.73	0.96	0.062983	0.05
-0.008039	0.01	1.51	1.55	0.96	0.068482	0.14
-0.008022	0.01	0.53	0.54	0.96	0.057901	0.08
-0.007827	0.01	1.64	1.68	0.96	0.041865	0.05
-0.007752	0.01	2.27	2.33	0.96	0.048480	0.05
-0.007400	0.01	1.10	1.13	0.96	0.038198	0.08
-0.007033	0.01	1.01	1.04	0.97	0.029271	0.03
-0.006102	0.01	0.76	0.78	0.97	0.028192	0.01
-0.005622	0.01	0.89	0.92	0.97	0.007215	0.00
-0.005383	0.01	1.07	1.09	0.97	0.012225	0.00
-0.005374	0.01	0.64	0.65	0.97	0.018382	0.01
-0.005188	0.01	0.56	0.58	0.97	0.067463	0.03
-0.005129	0.01	3.08	3.16	0.97	0.075940	0.05
-0.004914	0.00	0.90	0.92	0.98	0.079535	0.36
-0.004802	0.00	4.86	4.98	0.98	0.019807	0.07
-0.003668	0.00	0.84	0.86	0.98	0.036977	0.05
-0.003302	0.00	1.51	1.55	0.98	0.051003	0.03
-0.002974	0.00	4.15	4.25	0.98	0.081712	0.08
-0.002470	0.00	1.03	1.06	0.99	0.283030	0.06
-0.002244	0.00	0.60	0.61	0.99	0.117146	0.03
-0.002133	0.00	3.46	3.54	0.99	0.039209	0.00
-0.002021	0.00	3.47	3.55	0.99	0.016240	-0.01
-0.001916	0.00	1.25	1.28	0.99	0.007990	-0.02
-0.001623	0.00	0.69	0.70	0.99	0.004547	-0.02
-0.001506	0.00	0.72	0.74	0.99	0.003715	-0.03
-0.001428	0.00	0.87	0.90	0.99	0.004140	-0.06
-0.001375	0.00	1.26	1.29	0.99	0.007561	-0.10
-0.001295	0.00	0.85	0.87	0.99	0.008694	-0.09
-0.001088	0.00	1.10	1.13	0.99	0.002967	-0.01
-0.000706	0.00	0.68	0.70	1.00	0.005626	-0.03
-0.000311	0.00	1.09	1.12	1.00	-0.000161	0.00
-0.000161	0.00	2.04	2.09	1.00	-0.010406	0.00
0.000162	0.00	0.63	0.65	1.00	-0.011331	-0.01
0.000268	0.00	1.54	1.57	1.00	-0.005622	-0.01
0.000916	0.00	1.50	1.54	1.00	-0.009844	-0.01
0.000981	0.00	1.43	1.46	1.01	0.010679	-0.02
0.001041	0.00	4.17	4.28	1.01	-0.008022	-0.02
0.001113	0.00	1.56	1.60	1.01	-0.042736	-0.01
0.001275	0.00	0.62	0.64	1.01		
0.001560	0.00	4.63	4.75	1.01	Ri	
0.001647	0.00	0.93	0.95	1.01	0.061791	-0.07
0.001694	0.00	1.03	1.06	1.01	-0.020635	-0.05
0.001850	0.00	4.29	4.39	1.01	-0.010496	-0.02

0.002190	0.00	0.68	0.70	1.01	-0.021697	-0.02
0.002278	0.00	0.67	0.69	1.01	-0.017909	-0.02
0.002284	0.00	2.17	2.22	1.01	-0.028950	-0.02
0.002626	0.00	0.72	0.74	1.01	-0.047869	-0.02
0.002834	0.00	3.29	3.37	1.01	-0.067143	-0.03
0.002901	0.00	1.74	1.78	1.02	-0.035613	-0.02
0.002967	0.00	1.89	1.93	1.02	-0.058636	-0.03
0.003267	0.00	3.42	3.50	1.02	-0.044983	-0.02
0.003455	0.00	0.40	0.41	1.02	-0.038606	-0.02
0.003599	0.00	1.11	1.14	1.02	-0.009929	-0.01
0.003715	0.00	2.00	2.05	1.02	-0.008841	-0.01
0.004140	0.00	2.22	2.28	1.02	-0.005374	-0.01
0.004164	0.00	1.20	1.23	1.02	-0.002244	-0.01
0.004286	0.00	0.69	0.71	1.02	-0.001623	-0.01
0.004543	0.00	0.74	0.76	1.02	-0.000706	-0.01
0.004544	0.00	1.66	1.70	1.02	0.001275	0.00
0.004547	0.00	1.79	1.84	1.02	0.002190	0.00
0.004872	0.00	1.53	1.57	1.03	0.002626	0.00
0.004894	0.00	4.73	4.85	1.03	0.004286	0.00
0.005051	0.01	1.73	1.78	1.03		
0.005116	0.01	1.10	1.12	1.03	-0.224691	-0.15
0.005192	0.01	1.56	1.60	1.03	-0.094053	-0.18
0.005209	0.01	1.20	1.23	1.03	-0.073842	-0.09
0.005578	0.01	0.91	0.93	1.03	-0.090766	-0.12
0.005626	0.01	1.73	1.78	1.03	-0.186414	-0.29
0.005654	0.01	0.90	0.92	1.03	-0.152193	-0.36
0.005741	0.01	0.84	0.86	1.03	-0.142293	-0.23
0.005809	0.01	3.97	4.07	1.03	-0.190543	-0.38
0.005919	0.01	1.45	1.49	1.03	-0.090934	-0.37
0.006172	0.01	0.91	0.93	1.03	-0.434416	-0.16
0.006270	0.01	0.48	0.49	1.03	-0.346305	-0.05
0.006495	0.01	1.35	1.39	1.03	-0.076310	-0.18
0.006569	0.01	0.54	0.55	1.03	-0.059420	-0.10
0.006695	0.01	3.03	3.11	1.03	-0.038737	-0.08
0.007215	0.01	1.27	1.31	1.04	-0.031029	-0.08
0.007329	0.01	1.08	1.11	1.04	-0.049062	-0.07
0.007455	0.01	1.35	1.39	1.04	-0.041624	-0.08
0.007561	0.01	1.98	2.03	1.04	-0.021872	-0.05
0.007718	0.01	4.52	4.63	1.04	-0.017422	-0.05
0.007990	0.01	1.87	1.92	1.04	-0.015453	-0.03
0.008129	0.01	1.14	1.17	1.04	-0.033583	-0.04
0.008295	0.01	3.78	3.87	1.04		
0.008371	0.01	1.09	1.12	1.04	0.183533	0.14
0.008381	0.01	1.09	1.12	1.04	0.101165	0.11
0.008526	0.01	1.23	1.26	1.04	0.133435	-0.08
0.008579	0.01	3.57	3.65	1.04	4.812467	-0.41
0.008665	0.01	0.94	0.96	1.04	0.257744	0.32
0.008694	0.01	1.79	1.84	1.04	0.318563	0.08
0.008912	0.01	1.24	1.27	1.05	0.181308	0.23
0.008933	0.01	1.29	1.32	1.05	0.241605	0.46
0.009114	0.01	1.08	1.11	1.05	0.181182	0.52
0.009119	0.01	1.26	1.29	1.05	0.417305	0.85

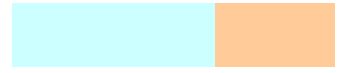
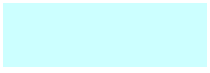
0.009248	0.01	3.86	3.96	1.05	0.309134	0.25
0.009351	0.01	1.08	1.11	1.05	0.394942	-0.44
0.009656	0.01	0.96	0.99	1.05	0.949326	0.46
0.009808	0.01	1.12	1.15	1.05	0.598721	5.70
0.010464	0.01	1.18	1.20	1.05	0.459099	1.09
0.010518	0.01	0.53	0.54	1.05	0.555396	1.14
0.010604	0.01	1.03	1.06	1.05	0.373688	0.38
0.010649	0.01	0.50	0.51	1.05	0.268461	0.08
0.010679	0.01	0.70	0.72	1.05	0.061118	0.06
0.010935	0.01	1.14	1.17	1.06	0.036394	0.04
0.011161	0.01	1.12	1.15	1.06	0.024831	0.04
0.011361	0.01	4.01	4.11	1.06	0.021012	0.02
0.011896	0.01	3.33	3.41	1.06	0.019017	0.02
0.012169	0.01	3.82	3.91	1.06	0.013664	0.01
0.012225	0.01	1.14	1.17	1.06	0.009351	0.02
0.012297	0.01	1.48	1.51	1.06	0.007329	0.01
0.013010	0.01	1.06	1.08	1.07	0.004164	0.01
0.013664	0.01	2.81	2.88	1.07	0.002284	0.02
0.013664	0.01	0.95	0.98	1.07	0.004872	0.02
0.014331	0.01	3.32	3.40	1.07	0.005192	0.02
0.014378	0.01	1.09	1.12	1.07	0.002901	0.01
0.015352	0.02	2.85	2.92	1.08	0.005919	0.01
0.015442	0.02	0.48	0.49	1.08	0.005051	0.01
0.015920	0.02	2.88	2.95	1.08	0.004544	0.01
0.016087	0.02	0.80	0.82	1.08	0.003599	0.00
0.016192	0.02	0.85	0.88	1.08	0.001113	0.00
0.016240	0.02	1.70	1.74	1.08	0.000268	0.00
0.017930	0.02	0.48	0.49	1.09	-0.001295	0.00
0.018382	0.02	1.42	1.45	1.09	-0.001088	0.00
0.018481	0.02	3.14	3.22	1.09	-0.001375	-0.01
0.018672	0.02	3.34	3.43	1.09	-0.002470	-0.01
0.019017	0.02	0.95	0.98	1.09	-0.006102	-0.01
0.019678	0.02	0.69	0.71	1.10	-0.007400	-0.01
0.019807	0.02	1.66	1.70	1.10	-0.011136	-0.01
0.020667	0.02	0.78	0.79	1.10	-0.008236	-0.01
0.021012	0.02	0.80	0.82	1.10	-0.008145	-0.01
0.024758	0.02	0.80	0.82	1.12	-0.001506	-0.01
0.024831	0.02	1.17	1.20	1.12	-0.003668	-0.01
0.025753	0.03	0.91	0.93	1.12	-0.001428	-0.01
0.026469	0.03	1.07	1.10	1.12	-0.000311	-0.02
0.026586	0.03	1.27	1.30	1.13	0.000981	-0.08
0.028019	0.03	2.47	2.53	1.13	-0.007033	-0.15
0.028138	0.03	1.67	1.71	1.13	-0.005188	-0.04
0.028192	0.03	1.19	1.22	1.13	-0.003302	-0.13
0.029271	0.03	1.28	1.31	1.14	0.001647	-0.08
0.030296	0.03	1.75	1.79	1.14	0.000162	-0.02
0.034486	0.03	0.76	0.78	1.16	0.003455	-0.01
0.034643	0.03	0.74	0.76	1.16	0.015442	-0.01
0.036394	0.04	1.05	1.08	1.17	0.010518	-0.01
0.036977	0.04	1.31	1.34	1.17	0.006270	-0.01
0.037024	0.04	0.83	0.85	1.17	0.010649	-0.01
0.038058	0.04	0.78	0.80	1.17	0.006569	-0.01

0.038198	0.04	1.62	1.66	1.17		
0.039209	0.04	1.78	1.83	1.18		
0.040102	0.04	3.35	3.44	1.18	-0.160753	-0.66
0.040524	0.04	0.75	0.77	1.18	0.559929	-0.12
0.040543	0.04	2.28	2.34	1.18	0.017930	-0.07
0.040932	0.04	0.79	0.81	1.18	-0.082225	-0.07
0.040960	0.04	0.66	0.68	1.18	-0.166376	-0.08
0.041865	0.04	1.55	1.59	1.19	-0.098068	-0.18
0.043668	0.04	0.73	0.75	1.19	-0.075367	-0.06
0.045701	0.05	1.15	1.18	1.20	-0.044932	-0.06
0.045884	0.05	0.79	0.81	1.20	-0.060911	-0.05
0.048480	0.05	1.26	1.30	1.21		
0.049220	0.05	0.72	0.74	1.21	Ri	
0.050578	0.05	0.82	0.84	1.22		
0.051003	0.05	1.34	1.37	1.22	0.014378	0.00
0.051416	0.05	1.54	1.58	1.22	0.016087	0.00
0.051641	0.05	0.75	0.77	1.22	0.008526	0.00
0.051976	0.05	0.53	0.54	1.22	0.019678	0.00
0.052716	0.05	1.31	1.34	1.23	0.001694	0.00
0.053763	0.05	1.12	1.15	1.23	0.002278	0.00
0.055311	0.06	0.56	0.58	1.24	0.004543	0.00
0.055896	0.06	0.59	0.60	1.24	0.005654	0.00
0.057901	0.06	1.49	1.53	1.24	0.006172	0.00
0.060254	0.06	0.86	0.88	1.25	0.005578	0.01
0.061118	0.06	0.96	0.98	1.26	0.005741	0.01
0.061791	0.06	0.54	0.55	1.26	0.005209	0.01
0.062983	0.06	1.19	1.22	1.26	0.008665	0.01
0.063035	0.06	0.74	0.76	1.26	0.008912	0.02
0.067463	0.07	0.94	0.96	1.28	0.008381	0.01
0.068482	0.07	1.52	1.56	1.28	0.009119	0.02
0.068528	0.07	2.29	2.35	1.28	0.007455	0.02
0.072078	0.07	0.61	0.63	1.29	0.012297	0.03
0.075940	0.08	1.17	1.20	1.30	0.010935	0.02
0.076370	0.08	0.43	0.44	1.30	0.010464	0.02
0.079535	0.08	1.68	1.73	1.31	0.009656	0.02
0.079683	0.08	0.74	0.76	1.32	0.013010	0.03
0.081712	0.08	1.72	1.76	1.32	0.010604	0.03
0.085342	0.09	0.94	0.96	1.33	0.009114	0.03
0.085852	0.09	0.59	0.61	1.33	0.009808	0.04
0.086837	0.09	0.72	0.74	1.34	0.011161	0.03
0.088497	0.09	0.66	0.68	1.34	0.008129	0.04
0.088652	0.09	0.60	0.62	1.34	0.005116	0.04
0.094869	0.09	0.35	0.36	1.36		
0.096401	0.10	1.85	1.90	1.36	-0.038017	-0.20
0.097996	0.10	0.68	0.70	1.37	-0.036825	-0.18
0.099468	0.10	0.70	0.72	1.37	-0.005383	-0.06
0.101165	0.10	1.00	1.02	1.38	-0.011161	-0.07
0.105517	0.11	1.52	1.56	1.39	-0.012343	-0.06
0.106479	0.11	1.11	1.13	1.39	-0.008039	-0.43
0.106658	0.11	0.67	0.69	1.39	-0.040859	-0.17
0.108006	0.11	0.63	0.65	1.40	-0.034213	-0.30
0.109667	0.11	0.49	0.50	1.40	-0.089227	-0.06

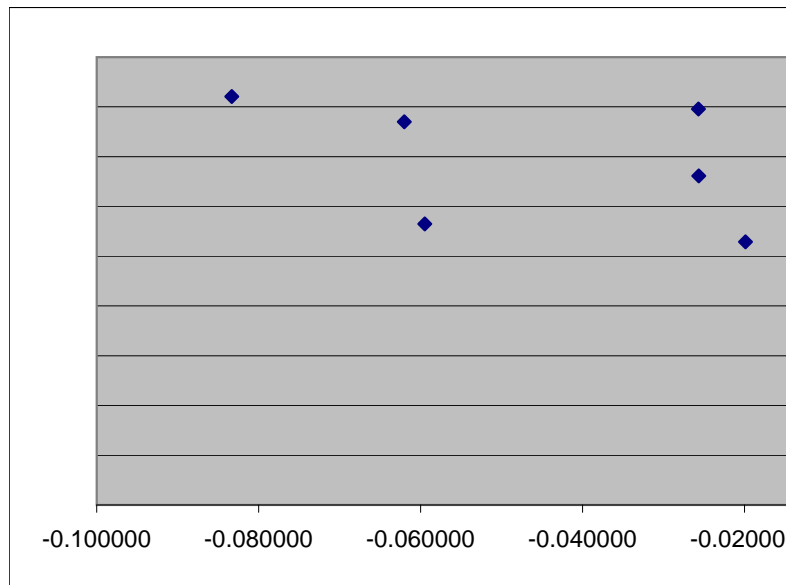
0.111264	0.11	0.69	0.71	1.41	-0.167171	-0.15
0.117146	0.12	1.23	1.26	1.42	-0.052074	-0.10
0.124065	0.12	0.55	0.56	1.44	-0.148394	-0.29
0.131043	0.13	2.41	2.47	1.46	-0.087078	-0.10
0.133435	0.13	1.05	1.08	1.46	-0.097935	-0.14
0.135334	0.14	0.53	0.55	1.47		
0.135525	0.14	0.67	0.69	1.47	-0.101557	0.00
0.137266	0.14	0.63	0.64	1.47	-0.024382	0.00
0.139421	0.14	0.52	0.53	1.48	0.076370	0.00
0.140464	0.14	0.64	0.65	1.48	0.094869	0.01
0.140649	0.14	0.56	0.57	1.48	0.135525	0.09
0.147491	0.15	0.86	0.88	1.50	0.147491	0.20
0.158875	0.16	1.62	1.66	1.52	0.212528	0.06
0.168439	0.17	0.49	0.50	1.55	0.213089	0.07
0.172184	0.17	0.44	0.45	1.55	0.287837	0.04
0.174260	0.17	0.98	1.01	1.56	0.263996	0.07
0.174968	0.17	0.50	0.51	1.56	0.111264	0.06
0.181182	0.18	1.95	2.00	1.57	0.072078	0.04
0.181308	0.18	1.25	1.28	1.57	0.055896	0.04
0.183533	0.18	0.77	0.79	1.58	0.106658	0.07
0.186331	0.19	0.49	0.50	1.58	0.051641	0.05
0.196059	0.20	1.56	1.60	1.61	0.037024	0.05
0.208944	0.21	0.44	0.45	1.63	0.024758	0.04
0.212314	0.21	1.42	1.45	1.64	0.055311	0.03
0.212528	0.21	0.47	0.48	1.64	0.108006	0.07
0.213089	0.21	0.52	0.54	1.64	0.236737	0.06
0.236737	0.24	0.43	0.44	1.69	0.618898	0.15
0.241605	0.24	1.69	1.73	1.69	0.321701	0.11
0.257744	0.26	1.10	1.13	1.72	0.140649	0.06
0.263996	0.26	0.44	0.45	1.74	0.085852	0.06
0.268461	0.27	0.64	0.65	1.74	0.172184	0.06
0.282085	0.28	0.55	0.57	1.77	0.140464	0.09
0.283030	0.28	1.01	1.04	1.77	0.168439	0.06
0.287837	0.29	0.36	0.37	1.78	0.063035	0.05
0.309134	0.31	1.98	2.03	1.81	0.088652	0.05
0.310593	0.31	0.42	0.43	1.81	0.088497	0.07
0.318563	0.32	0.61	0.63	1.83	0.097996	0.06
0.321701	0.32	0.56	0.58	1.83	0.135334	0.05
0.373688	0.37	1.33	1.36	1.91	0.137266	0.07
0.394942	0.39	2.05	2.10	1.94	0.174968	0.05
0.417305	0.42	2.03	2.08	1.97	0.124065	0.05
0.459099	0.46	2.68	2.75	2.03	0.099468	0.06
0.555396	0.56	2.31	2.36	2.15	0.086837	0.07
0.559929	0.56	0.16	0.17	2.15	0.085342	0.11
0.598721	0.60	5.67	5.82	2.20	0.079683	0.06
0.618898	0.62	0.42	0.43	2.22	0.050578	0.06
0.665399	0.67	0.37	0.37	2.27	0.038058	0.04
0.740230	0.74	0.66	0.68	2.34	0.045884	0.05
0.747664	0.75	0.46	0.47	2.35	0.043668	0.04
0.842635	0.84	0.31	0.31	2.44	0.034643	0.04
0.949326	0.95	1.48	1.52	2.53	0.051976	0.03
2.319066	2.32	0.66	0.68	3.37	0.040932	0.05



4.812467	4.81	0.17	0.18	4.27	0.040960	0.03
6.149480	6.15	0.36	0.37	4.63	0.034486	0.03
86.645290	86.65	0.05	0.05	11.15	0.020667	0.03
Ri		phi M			0.016192	0.02
Ri		phi M			0.008933	0.03
Ri		phi M			0.008371	0.01
					-0.001916	0.00
					-0.004914	-0.01
					-0.012073	-0.02
					-0.018376	-0.02
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					-0.058440	-0.04
					-0.046062	-0.07
					-0.039891	-0.09
					-0.013427	-0.06
					-0.031403	-0.07
					-0.051245	-0.07
					-0.066625	-0.06
					-0.123294	-0.07
					-0.077662	-0.07
					-0.038358	-0.02
					-0.009768	-0.02



Ri	
0.068528	0.143127
0.052716	0.249917
0.105517	0.216034
0.096401	0.177280
0.158875	0.202620
0.131043	0.135915
6.149480	0.902837
0.196059	0.209949
2.319066	0.495800
0.212314	0.231560
0.053763	0.292494
0.026469	0.305706
0.025753	0.360317
0.049220	0.455984
Ri	
0.282085	0.592435
0.109667	0.666558
0.174260	0.334365
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-1.147435	0.573692
-0.680425	0.664415
-0.227969	0.257858
-0.526717	0.500620
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-0.273734	0.789413
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-0.059504	0.565140
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-0.072430	0.312552
-0.045255	0.261528
-0.047116	0.246542
-0.039768	0.250369



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0.012169	0.086508
0.001041	0.079175
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0.006695	0.108925
0.003267	0.096694
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-0.096479	0.208203
-0.242851	0.279527
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0.740230	0.499814
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0.015352	0.115920
0.004894	0.069810
0.001560	0.071360
0.001850	0.077082
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-0.005129	0.107264
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-0.002974	0.079686
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-0.002021	0.095316
0.028019	0.133673

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0.048480	0.261263
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0.028192	0.277442
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Ri

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0.459099	0.126651
0.555396	0.147399
0.373688	0.255624
0.268461	0.532941
0.061118	0.354680
0.036394	0.323232
0.024831	0.291432
0.021012	0.424735
0.019017	0.357171
0.013664	0.357090
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0.007329	0.314906
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0.004872	0.221585
0.005192	0.218065
0.002901	0.195665
0.005919	0.234177
0.005051	0.196086
0.004544	0.205232
0.003599	0.306773
0.001113	0.218245
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Ri

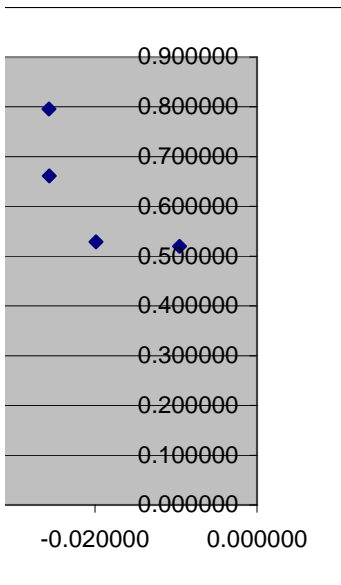
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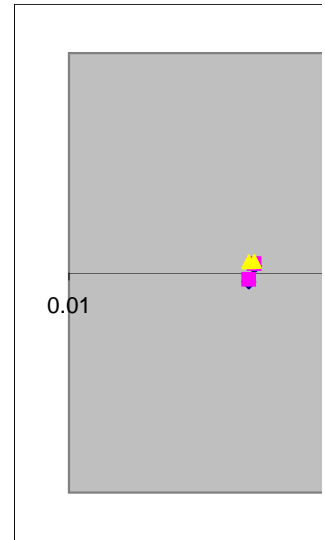




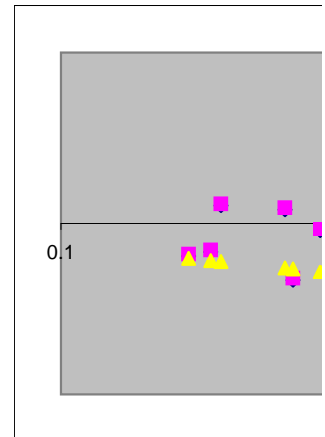




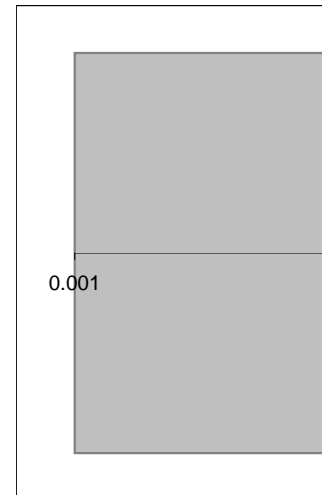
Day	Ri	phi M	phi (M)	Theoretical phi (M)	
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8/29/01 22:00	0.052716	0.052716	1.311962	1.344761	1.226151
8/29/01 22:20	0.105517	0.105517	1.517728	1.555671	1.390458
8/29/01 22:40	0.096401	0.096401	1.849508	1.895746	1.364842
8/29/01 23:00	0.158875	0.158875	1.618208	1.658663	1.524344
8/29/01 23:20	0.131043	0.131043	2.412406	2.472716	1.457579
8/30/01 0:00	0.196059	0.196059	1.561716	1.600758	1.605314
8/30/01 0:40	0.212314	0.212314	1.415967	1.451366	1.638274
8/30/01 1:00	0.053763	0.053763	1.120984	1.149009	1.229853
8/30/01 1:20	0.026469	0.026469	1.072539	1.099353	1.124913
8/30/01 1:40	0.025753	0.025753	0.909981	0.93273	1.121889
8/30/01 2:00	0.049220	0.04922	0.719063	0.73704	1.213624



	Ri	phi M	phi (M)	Theoretical phi (M)	
8/29/01 12:20	0.282085	0.282085	0.553447	0.567283	1.766603
8/29/01 12:40	0.109667	0.109667	0.491902	0.5042	1.401813
8/29/01 13:00	0.174260	0.17426	0.980609	1.005124	1.558868
8/29/01 13:20	-0.316988	0.316988	1.202682	1.232749	0.548143
8/29/01 13:40	-1.147435	1.147435	0.571529	0.585817	0.372425
8/29/01 14:00	-0.680425	0.680425	0.493489	0.505826	0.438172
8/29/01 14:20	-0.227969	0.227969	1.271558	1.303347	0.59923
8/29/01 14:40	-0.526717	0.526717	0.65495	0.671324	0.473371
8/29/01 15:00	-0.737972	0.737972	0.706616	0.724282	0.42741
8/29/01 15:20	-0.380382	0.380382	0.908236	0.930942	0.520632
8/29/01 15:40	-0.550345	0.550345	0.543851	0.557447	0.467208
8/29/01 16:00	-0.216265	0.216265	0.681528	0.698566	0.607502
8/29/01 16:20	-0.330628	0.330628	0.466581	0.478246	0.541729
8/29/01 16:40	-0.193068	0.193068	0.644523	0.660636	0.625352

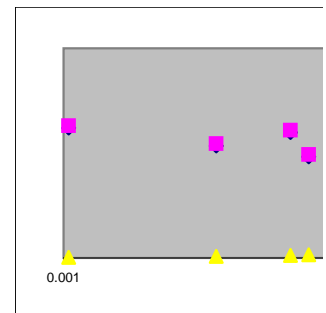
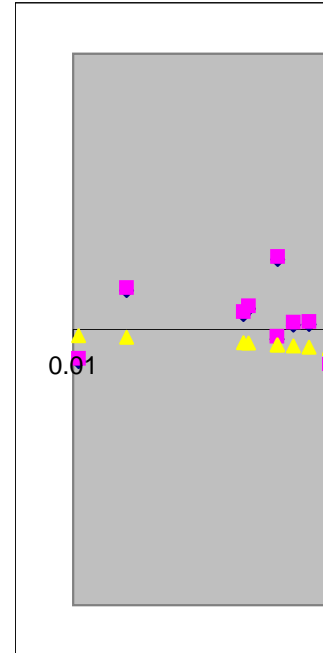


8/30/01 11:00	-0.260360	0.26036	0.735641	0.754032	0.57848
8/30/01 11:20	-0.493983	0.493983	0.671304	0.688087	0.482476
8/30/01 11:40	-0.902355	0.902355	0.447058	0.458235	0.401611
8/30/01 12:00	-0.495203	0.495203	0.617517	0.632955	0.482124
8/30/01 12:20	-0.273734	0.273734	0.415348	0.425732	0.570706
8/30/01 12:40	-0.025702	0.025702	0.412083	0.422385	0.891526
8/30/01 13:00	-0.059504	0.059504	0.580177	0.594681	0.800146
8/30/01 13:20	-0.083311	0.083311	0.399359	0.409343	0.753986
8/30/01 13:40	-0.062019	0.062019	0.425824	0.436469	0.794722
8/30/01 14:00	-0.019895	0.019895	0.619804	0.6353	0.911995
8/30/01 14:20	-0.025653	0.025653	0.495865	0.508261	0.89169
8/30/01 14:40	-0.009562	0.009562	0.631161	0.64694	0.953654

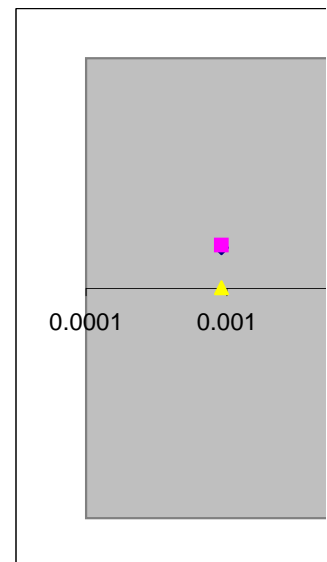


Date/Time

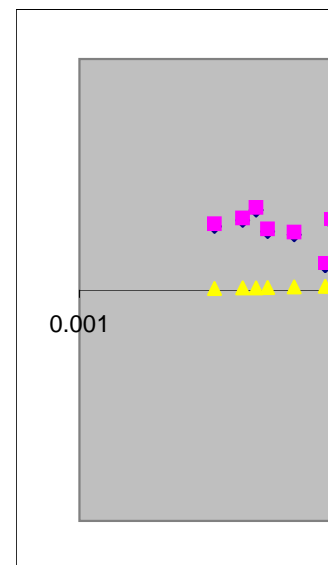
10/23/01 11:20	-0.07243	0.07243	1.057055	1.083481	0.773732
10/23/01 11:40	-0.045255	0.045255	1.263287	1.294869	0.833966
10/23/01 12:00	-0.047116	0.047116	1.340077	1.373579	0.829217
10/23/01 12:20	-0.039768	0.039768	1.319592	1.352581	0.848619
10/23/01 12:40	-0.029521	0.029521	1.792853	1.837674	0.879018
10/23/01 13:00	-0.116436	0.116436	0.76714	0.786319	0.704251
10/23/01 13:20	-0.117257	0.117257	0.717213	0.735143	0.703177
10/23/01 13:40	-0.110056	0.110056	0.79816	0.818113	0.712826
10/23/01 14:00	-0.114734	0.114734	0.657862	0.674309	0.706497
10/23/01 14:20	-0.025326	0.025326	1.188109	1.217812	0.892795
10/23/01 14:40	-0.013276	0.013276	1.383926	1.418524	0.937814
10/23/01 15:00	-0.032102	0.032102	1.035434	1.06132	0.870949
10/23/01 15:20	-0.039709	0.039709	1.060816	1.087336	0.848783
10/23/01 15:40	-0.034887	0.034887	1.04278	1.06885	0.862566
10/23/01 16:00	-0.024621	0.024621	1.132649	1.160965	0.895197
10/23/01 16:20	-0.029445	0.029445	0.921988	0.945038	0.879259
10/23/01 16:40	-0.074909	0.074909	0.739091	0.757568	0.769051
10/23/01 17:00	-0.042586	0.042586	0.95011	0.973863	0.840966
10/23/01 17:20	-0.04243	0.04243	0.795469	0.815356	0.841384
10/23/01 17:40	-0.038755	0.038755	0.730971	0.749246	0.851442
10/23/01 18:00	-0.010292	0.010292	0.765063	0.78419	0.950456
10/23/01 18:20	0.040524	0.040524	0.750886	0.769658	1.18128
10/23/01 18:40	0.060254	0.060254	0.857106	0.878533	1.25233
10/23/01 19:00	0.139421	0.139421	0.519217	0.532197	1.478316
10/23/01 19:20	0.208944	0.208944	0.436476	0.447388	1.631549
10/23/01 19:40	0.186331	0.186331	0.485925	0.498073	1.584924
10/23/01 20:00	0.310593	0.310593	0.42064	0.431156	1.814036
10/23/01 20:20	0.747664	0.747664	0.462585	0.47415	2.349079
10/23/01 20:40	0.665399	0.665399	0.36518	0.374309	2.266716
10/23/01 21:00	0.106479	0.106479	1.105471	1.133108	1.393106
10/23/01 21:20	0.040543	0.040543	2.284974	2.342099	1.181352
10/23/01 21:40	0.01592	0.01592	2.882817	2.954888	1.078571
10/23/01 22:00	0.028138	0.028138	1.665646	1.707288	1.131906
10/23/01 22:20	0.012169	0.012169	3.819111	3.914589	1.061095
10/23/01 22:40	0.001041	0.001041	4.172859	4.27718	1.005523
10/23/01 23:00	0.005809	0.005809	3.96632	4.065478	1.030066
10/23/01 23:20	0.006695	0.006695	3.033128	3.108956	1.0345
10/23/01 23:40	0.003267	0.003267	3.416794	3.502213	1.017128
10/24/01 0:00	0.013664	0.013664	2.806038	2.876189	1.068126
10/24/01 0:20	-0.096479	0.096479	1.586842	1.626513	0.732566
10/24/01 0:40	-0.242851	0.242851	1.181943	1.211491	0.589333
10/24/01 1:00	-2.095735	2.095735	0.359373	0.368357	0.307086
10/24/01 1:20	0.030296	0.030296	1.749441	1.793177	1.14082
10/24/01 1:40	0.74023	0.74023	0.661015	0.67754	2.341872
10/24/01 2:00	0.018672	0.018672	3.34458	3.428194	1.091043
10/24/01 2:20	0.015352	0.015352	2.85012	2.921373	1.07596
10/24/01 2:40	0.004894	0.004894	4.732619	4.850935	1.025451
10/24/01 3:00	0.00156	0.00156	4.629816	4.745562	1.008252



10/24/01 3:20	0.00185	0.00185	4.286122	4.393275	1.009769
10/24/01 3:40	-0.004802	0.004802	4.858484	4.979946	0.975628
10/24/01 4:00	-0.005129	0.005129	3.080097	3.1571	0.974053
10/24/01 4:20	-0.002133	0.002133	3.457288	3.54372	0.988877
10/24/01 4:40	-0.002974	0.002974	4.146078	4.24973	0.984626
10/24/01 5:00	-0.017446	0.017446	4.030667	4.131433	0.921215
10/24/01 5:20	-0.002021	0.002021	3.466214	3.552869	0.989447
10/24/01 5:40	0.028019	0.028019	2.47159	2.53338	1.131408
10/24/01 6:00	0.011361	0.011361	4.005751	4.105895	1.057252
10/24/01 6:20	0.011896	0.011896	3.328543	3.411757	1.059797
10/24/01 6:40	0.008295	0.008295	3.777169	3.871598	1.042414
10/24/01 7:00	0.008579	0.008579	3.565443	3.654579	1.043809
10/24/01 7:20	0.842635	0.842635	0.305352	0.312986	2.437499
10/24/01 7:40	86.64529	86.64529	0.052519	0.053832	11.15303
10/24/01 8:00	0.040102	0.040102	3.351613	3.435403	1.179664
10/24/01 8:20	0.018481	0.018481	3.137673	3.216115	1.090185
10/24/01 8:40	0.014331	0.014331	3.321947	3.404996	1.071237
10/24/01 9:00	0.007718	0.007718	4.518438	4.631399	1.039574
10/24/01 9:20	0.009248	0.009248	3.86465	3.961267	1.047071
10/24/01 9:40	0.002834	0.002834	3.288961	3.371185	1.014892
10/24/01 10:00	-0.049196	0.049196	0.859416	0.880901	0.824037
10/24/01 10:20	-0.062358	0.062358	1.063244	1.089825	0.794002
10/24/01 10:40	-0.070464	0.070464	0.716143	0.734046	0.777527
10/24/01 11:00	-0.071876	0.071876	0.725772	0.743916	0.774794
10/24/01 11:20	-0.1031	0.1031	0.504891	0.517513	0.72267
10/24/01 11:40	-0.244544	0.244544	0.579806	0.594301	0.588247
10/24/01 12:00	-0.303653	0.303653	0.554109	0.567962	0.554718
10/24/01 12:20	-0.397869	0.397869	0.472523	0.484337	0.513954
10/24/01 12:40	-0.273728	0.273728	0.511525	0.524313	0.57071
10/24/01 13:00	-1.402091	1.402091	0.680767	0.697786	0.349452
10/24/01 13:20	-9.539495	9.539495	0.430892	0.441664	0.186712
10/24/01 13:40	-1.048695	1.048695	0.502568	0.515132	0.383145
10/24/01 14:00	-0.098734	0.098734	0.837341	0.858275	0.729135
10/24/01 14:20	-0.124383	0.124383	0.527173	0.540352	0.694123
10/24/01 14:40	-0.837997	0.837997	0.377244	0.386675	0.41096
10/24/01 15:00	-24.47758	24.47758	0.125654	0.128795	0.136564
10/24/01 15:20	-0.498594	0.498594	0.756057	0.774958	0.481151
10/24/01 15:40	-0.065795	0.065795	1.14596	1.174609	0.786846
10/24/01 16:00	-0.068195	0.068195	1.40288	1.437952	0.782001
10/24/01 16:20	-0.732747	0.732747	0.528263	0.541469	0.428344
10/24/01 16:40	-0.101743	0.101743	0.885759	0.907903	0.724654
10/24/01 17:00	-0.165636	0.165636	0.817191	0.837621	0.649474
10/24/01 17:20	-0.02339	0.02339	1.555647	1.594538	0.899456
10/24/01 17:40	-0.045941	0.045941	1.022354	1.047913	0.832203
10/24/01 18:00	-0.09932	0.09932	0.757086	0.776013	0.728254
10/24/01 18:20	-0.010234	0.010234	1.51353	1.551368	0.95071
10/24/01 18:40	-0.007827	0.007827	1.640447	1.681458	0.961432
10/24/01 19:00	-0.012786	0.012786	1.624012	1.664613	0.939842
10/24/01 19:40	-0.354349	0.354349	0.365803	0.374948	0.531252
10/24/01 20:00	0.051416	0.051416	1.54429	1.582897	1.221521
10/24/01 20:20	0.006495	0.006495	1.35282	1.38664	1.033504
10/24/01 20:40	-0.042251	0.042251	0.93469	0.958057	0.841861



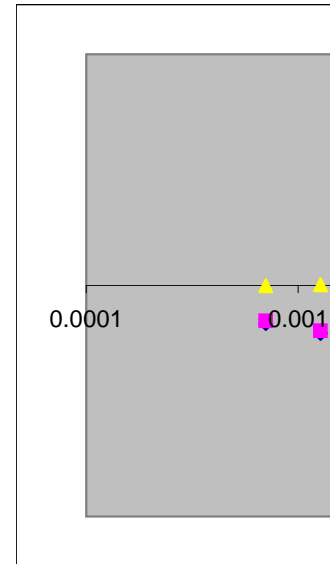
10/24/01 21:00	-0.010802	0.010802	1.402569	1.437633	0.948246
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10/24/01 21:40	-0.010054	0.010054	2.450401	2.511661	0.951496
10/24/01 22:00	-0.01112	0.01112	2.840475	2.911487	0.946878
10/24/01 22:20	-0.020985	0.020985	2.050732	2.102001	0.90801
10/24/01 22:40	-0.009137	0.009137	2.422546	2.48311	0.955538
10/24/01 23:00	-0.067487	0.067487	1.102642	1.130208	0.783417
10/24/01 23:20	-0.075576	0.075576	0.852044	0.873345	0.76781
10/24/01 23:40	-0.021257	0.021257	2.931644	3.004935	0.907025
10/25/01 0:00	-0.007752	0.007752	2.273788	2.330633	0.961776
10/25/01 0:20	-0.014482	0.014482	1.335226	1.368606	0.932891
10/25/01 0:40	-0.162788	0.162788	0.676243	0.693149	0.6522
10/25/01 1:00	-0.069049	0.069049	1.582577	1.622142	0.780305
10/25/01 1:20	-0.02555	0.02555	1.086481	1.113643	0.892038
10/25/01 1:40	0.026586	0.026586	1.269043	1.300769	1.125408
10/25/01 2:00	0.045701	0.045701	1.148916	1.177639	1.200743
10/25/01 2:20	0.062983	0.062983	1.187616	1.217306	1.261542
10/25/01 2:40	0.068482	0.068482	1.524813	1.562934	1.279706
10/25/01 3:00	0.057901	0.057901	1.491645	1.528936	1.244275
10/25/01 3:20	0.041865	0.041865	1.554819	1.59369	1.186382
10/25/01 3:40	0.04848	0.04848	1.264569	1.296184	1.210937
10/25/01 4:00	0.038198	0.038198	1.61657	1.656984	1.172322
10/25/01 4:20	0.029271	0.029271	1.279378	1.311363	1.136603
10/25/01 4:40	0.028192	0.028192	1.190825	1.220595	1.132131
10/25/01 5:00	0.007215	0.007215	1.273714	1.305557	1.037088
10/25/01 5:20	0.012225	0.012225	1.138904	1.167377	1.061359
10/25/01 5:40	0.018382	0.018382	1.418835	1.454306	1.089741
10/25/01 6:00	0.067463	0.067463	0.939966	0.963465	1.276379
10/25/01 6:20	0.07594	0.07594	1.168357	1.197566	1.303549
10/25/01 6:40	0.079535	0.079535	1.684791	1.726911	1.314736
10/25/01 7:00	0.019807	0.019807	1.659604	1.701094	1.096106
10/25/01 7:20	0.036977	0.036977	1.306263	1.33892	1.167566
10/25/01 7:40	0.051003	0.051003	1.337516	1.370954	1.220046
10/25/01 8:00	0.081712	0.081712	1.717564	1.760503	1.321418
10/25/01 8:20	0.28303	0.28303	1.014362	1.039721	1.768216
10/25/01 8:40	0.117146	0.117146	1.230997	1.261772	1.421823
10/25/01 9:00	0.039209	0.039209	1.784948	1.829572	1.176231
10/25/01 9:20	0.01624	0.01624	1.700327	1.742835	1.080038
10/25/01 9:40	0.00799	0.00799	1.869034	1.915759	1.040914
10/25/01 10:00	0.004547	0.004547	1.792262	1.837068	1.023685
10/25/01 10:20	0.003715	0.003715	1.999151	2.049129	1.019433
10/25/01 10:40	0.00414	0.00414	2.220491	2.276003	1.021608
10/25/01 11:00	0.007561	0.007561	1.977489	2.026927	1.038802
10/25/01 11:20	0.008694	0.008694	1.790504	1.835266	1.044369
10/25/01 11:40	0.002967	0.002967	1.886937	1.93411	1.015578
10/25/01 12:00	0.005626	0.005626	1.733562	1.776901	1.02915
10/25/01 12:20	-0.000161	0.000161	2.042436	2.093497	0.999144
10/25/01 12:40	-0.010406	0.010406	1.63481	1.675681	0.949962
10/25/01 13:00	-0.011331	0.011331	1.069455	1.096191	0.945975
10/25/01 13:20	-0.005622	0.005622	0.892808	0.915128	0.971698
10/25/01 13:40	-0.009844	0.009844	0.73307	0.751396	0.952415
10/25/01 14:00	0.010679	0.010679	0.699382	0.716867	1.053989





10/25/01 14:20	-0.008022	0.008022	0.527091	0.540268	0.960546
10/25/01 14:40	-0.042736	0.042736	0.515842	0.528738	0.840567

	Ri		phi	M	
5/6/02 11:40	0.061791	0.061791	0.540847	0.554368	1.257535
5/6/02 12:00	-0.020635	0.020635	0.591611	0.606401	0.909283
5/6/02 12:20	-0.010496	0.010496	0.573558	0.587897	0.949568
5/6/02 12:40	-0.021697	0.021697	0.444062	0.455163	0.905443
5/6/02 13:00	-0.017909	0.017909	0.417779	0.428224	0.919442
5/6/02 13:20	-0.02895	0.02895	0.490296	0.502553	0.880843
5/6/02 13:40	-0.047869	0.047869	0.380143	0.389647	0.827328
5/6/02 14:00	-0.067143	0.067143	0.418456	0.428917	0.78411
5/6/02 14:20	-0.035613	0.035613	0.522102	0.535155	0.860435
5/6/02 14:40	-0.058636	0.058636	0.456101	0.467503	0.802052
5/6/02 15:00	-0.044983	0.044983	0.491154	0.503433	0.834668
5/6/02 15:20	-0.038606	0.038606	0.473388	0.485222	0.85186
5/6/02 15:40	-0.009929	0.009929	0.620267	0.635774	0.952041
5/6/02 16:00	-0.008841	0.008841	0.584244	0.59885	0.956856
5/6/02 16:20	-0.005374	0.005374	0.637685	0.653627	0.972881
5/6/02 16:40	-0.002244	0.002244	0.598489	0.613451	0.988308
5/6/02 17:00	-0.001623	0.001623	0.68631	0.703467	0.991493
5/6/02 17:20	-0.000706	0.000706	0.684571	0.701686	0.996265
5/6/02 17:40	0.001275	0.001275	0.619965	0.635464	1.006755
5/6/02 18:00	0.00219	0.00219	0.682007	0.699057	1.011544
5/6/02 18:20	0.002626	0.002626	0.722546	0.74061	1.013811
5/6/02 18:40	0.004286	0.004286	0.692515	0.709828	1.022355



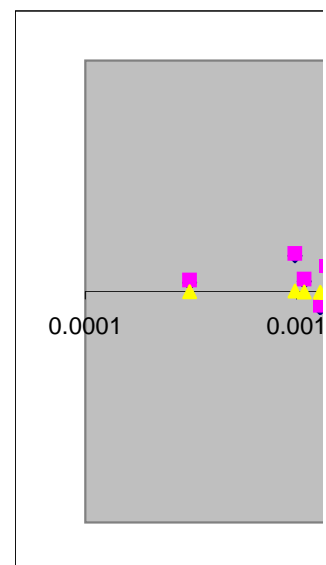
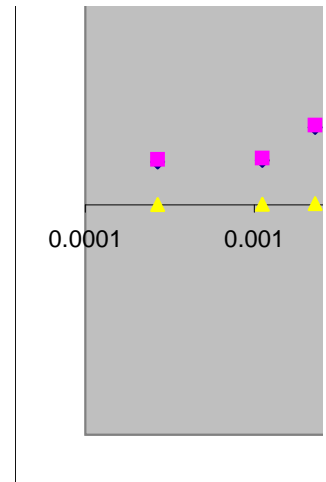
5/7/02 9:20	-0.224691	0.224691	0.457378	0.468812	0.601501
5/7/02 9:40	-0.094053	0.094053	0.525553	0.538691	0.736331
5/7/02 10:00	-0.073842	0.073842	0.625554	0.641192	0.771051
5/7/02 10:20	-0.090766	0.090766	0.550451	0.564213	0.741558
5/7/02 10:40	-0.186414	0.186414	0.665483	0.68212	0.630875
5/7/02 11:00	-0.152193	0.152193	0.621248	0.636779	0.662757
5/7/02 11:20	-0.142293	0.142293	0.619857	0.635354	0.673269
5/7/02 11:40	-0.190543	0.190543	0.748949	0.767673	0.627425
5/7/02 12:00	-0.090934	0.090934	1.078017	1.104968	0.741286
5/7/02 12:20	-0.434416	0.434416	0.425969	0.436618	0.501032
5/7/02 12:40	-0.346305	0.346305	0.253736	0.26008	0.534713
5/7/02 13:00	-0.07631	0.07631	0.688814	0.706034	0.766455
5/7/02 13:20	-0.05942	0.05942	0.597486	0.612423	0.800328
5/7/02 13:40	-0.038737	0.038737	0.677245	0.694176	0.851492
5/7/02 14:00	-0.031029	0.031029	0.840792	0.861812	0.874267
5/7/02 14:20	-0.049062	0.049062	0.585264	0.599895	0.824369
5/7/02 14:40	-0.041624	0.041624	0.622725	0.638293	0.843549
5/7/02 15:00	-0.021872	0.021872	0.68741	0.704596	0.904817
5/7/02 15:20	-0.017422	0.017422	0.764662	0.783779	0.921308
5/7/02 15:40	-0.015453	0.015453	0.634275	0.650132	0.928999
5/7/02 16:00	-0.033583	0.033583	0.514168	0.527022	0.866452



5/7/02 19:40	0.183533	0.183533	0.771698	0.79099	1.578961
5/7/02 20:00	0.101165	0.101165	0.999443	1.02443	1.378347
5/7/02 20:20	0.133435	0.133435	1.054623	1.080988	1.463561

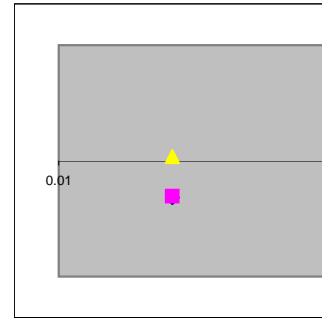


5/7/02 20:40	4.812467	4.812467	0.171516	0.175804	4.272649
5/7/02 21:00	0.257744	0.257744	1.099966	1.127465	1.723985
5/7/02 21:20	0.318563	0.318563	0.613725	0.629068	1.826862
5/7/02 21:40	0.181308	0.181308	1.253642	1.284983	1.574187
5/7/02 22:00	0.241605	0.241605	1.692008	1.734309	1.694525
5/7/02 22:20	0.181182	0.181182	1.949499	1.998237	1.573914
5/7/02 22:40	0.417305	0.417305	2.032123	2.082926	1.972702
5/7/02 23:00	0.309134	0.309134	1.97984	2.029336	1.811667
5/7/02 23:20	0.394942	0.394942	2.049688	2.100931	1.941566
5/7/02 23:40	0.949326	0.949326	1.482639	1.519705	2.529737
5/8/02 0:00	0.598721	0.598721	5.6737	5.815543	2.195275
5/8/02 0:20	0.459099	0.459099	2.68343	2.750516	2.028393
5/8/02 0:40	0.555396	0.555396	2.305705	2.363347	2.146241
5/8/02 1:00	0.373688	0.373688	1.329525	1.362763	1.911017
5/8/02 1:20	0.268461	0.268461	0.637704	0.653647	1.743005
5/8/02 1:40	0.061118	0.061118	0.958212	0.982168	1.255261
5/8/02 2:00	0.036394	0.036394	1.05144	1.077726	1.165278
5/8/02 2:20	0.024831	0.024831	1.166167	1.195321	1.117968
5/8/02 2:40	0.021012	0.021012	0.800167	0.820171	1.10143
5/8/02 3:00	0.019017	0.019017	0.951531	0.975319	1.092587
5/8/02 3:20	0.013664	0.013664	0.951744	0.975538	1.06813
5/8/02 3:40	0.009351	0.009351	1.082309	1.109366	1.047571
5/8/02 4:00	0.007329	0.007329	1.079239	1.10622	1.03765
5/8/02 4:20	0.004164	0.004164	1.195353	1.225237	1.021734
5/8/02 4:40	0.002284	0.002284	2.166795	2.220965	1.012034
5/8/02 5:00	0.004872	0.004872	1.533759	1.572103	1.025339
5/8/02 5:20	0.005192	0.005192	1.558518	1.597481	1.026959
5/8/02 5:40	0.002901	0.002901	1.736945	1.780369	1.015238
5/8/02 6:00	0.005919	0.005919	1.451289	1.487571	1.030619
5/8/02 6:20	0.005051	0.005051	1.73321	1.77654	1.026244
5/8/02 6:40	0.004544	0.004544	1.655977	1.697376	1.023671
5/8/02 7:00	0.003599	0.003599	1.107853	1.135549	1.018838
5/8/02 7:20	0.001113	0.001113	1.557235	1.596166	1.005901
5/8/02 7:40	0.000268	0.000268	1.535422	1.573807	1.001426
5/8/02 8:00	-0.001295	0.001295	0.848372	0.869582	0.993188
5/8/02 8:20	-0.001088	0.001088	1.104562	1.132176	0.994264
5/8/02 8:40	-0.001375	0.001375	1.258409	1.28987	0.99277
5/8/02 9:00	-0.00247	0.00247	1.031892	1.057689	0.987165
5/8/02 9:20	-0.006102	0.006102	0.760066	0.779068	0.969424
5/8/02 9:40	-0.0074	0.0074	1.102578	1.130143	0.963389
5/8/02 10:00	-0.011136	0.011136	0.743958	0.762557	0.946813
5/8/02 10:20	-0.008236	0.008236	0.776402	0.795812	0.959575
5/8/02 10:40	-0.008145	0.008145	0.711587	0.729377	0.959991
5/8/02 11:00	-0.001506	0.001506	0.723303	0.741385	0.992094
5/8/02 11:20	-0.003668	0.003668	0.837157	0.858086	0.981167
5/8/02 11:40	-0.001428	0.001428	0.873807	0.895653	0.992497
5/8/02 12:00	-0.000311	0.000311	1.091104	1.118381	0.998345
5/8/02 12:20	0.000981	0.000981	1.42597	1.461619	1.005204
5/8/02 12:40	-0.007033	0.007033	1.011128	1.036406	0.965078
5/8/02 13:00	-0.005188	0.005188	0.562216	0.576272	0.973767
5/8/02 13:20	-0.003302	0.003302	1.512318	1.550126	0.982984
5/8/02 13:40	0.001647	0.001647	0.926485	0.949647	1.008707

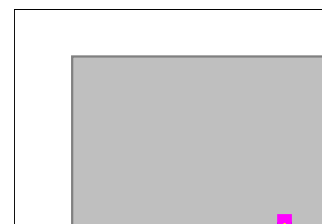
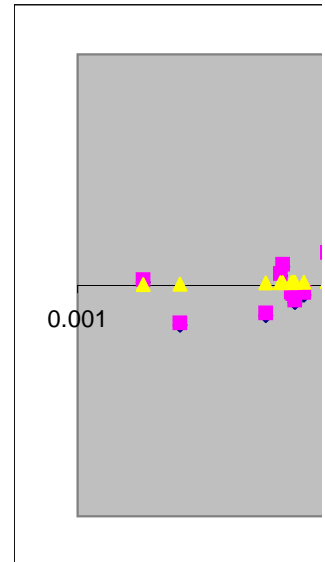


5/8/02 14:00	0.000162	0.000162	0.63405	0.649901	1.000861
5/8/02 14:20	0.003455	0.003455	0.398096	0.408048	1.018097
5/8/02 14:40	0.015442	0.015442	0.478165	0.490119	1.076375
5/8/02 15:00	0.010518	0.010518	0.527906	0.541103	1.053215
5/8/02 15:20	0.00627	0.00627	0.482809	0.494879	1.03238
5/8/02 15:40	0.010649	0.010649	0.49552	0.507908	1.053844
5/8/02 16:00	0.006569	0.006569	0.538864	0.552335	1.033875

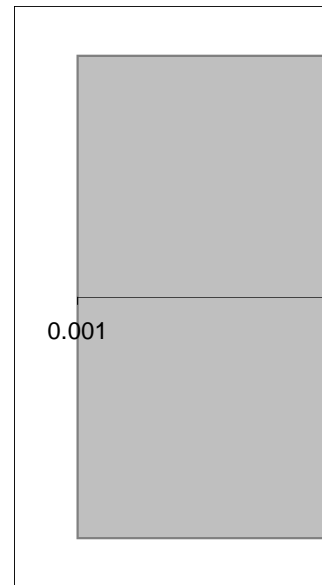
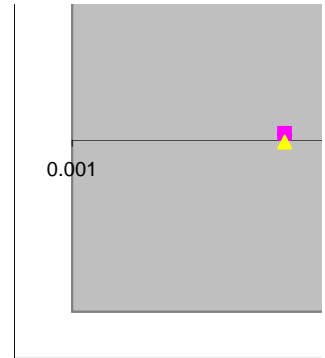
5/10/02 8:20					
5/10/02 8:40	-0.160753	0.160753	1.002551	1.027615	0.654176
5/10/02 9:20	0.01793	0.01793	0.482445	0.494506	1.08771
5/10/02 9:40	-0.082225	0.082225	0.400212	0.410217	0.755866
5/10/02 10:00	-0.166376	0.166376	0.350505	0.359267	0.648774
5/10/02 10:20	-0.098068	0.098068	0.573265	0.587597	0.730141
5/10/02 10:40	-0.075367	0.075367	0.467166	0.478845	0.768198
5/10/02 11:00	-0.044932	0.044932	0.569947	0.584195	0.834799
5/10/02 11:20	-0.060911	0.060911	0.404788	0.414908	0.797092



Day	Ri		phi M		
11/13/02 14:20	0.014378	0.014378	1.093764	1.121108	1.071457
11/13/02 14:40	0.016087	0.016087	0.801353	0.821386	1.079336
11/13/02 15:00	0.008526	0.008526	1.227549	1.258237	1.043549
11/13/02 15:20	0.019678	0.019678	0.68788	0.705077	1.095534
11/13/02 15:40	0.001694	0.001694	1.031275	1.057057	1.008952
11/13/02 16:00	0.002278	0.002278	0.671337	0.688121	1.012005
11/13/02 16:20	0.004543	0.004543	0.740249	0.758755	1.023664
11/13/02 16:40	0.005654	0.005654	0.895914	0.918312	1.029291
11/13/02 17:00	0.006172	0.006172	0.906816	0.929486	1.031887
11/13/02 17:20	0.005578	0.005578	0.910761	0.93353	1.028908
11/13/02 17:40	0.005741	0.005741	0.842206	0.863261	1.029725
11/13/02 18:00	0.005209	0.005209	1.203932	1.23403	1.027043
11/13/02 18:20	0.008665	0.008665	0.936249	0.959655	1.044228
11/13/02 18:40	0.008912	0.008912	1.241341	1.272375	1.045436
11/13/02 19:00	0.008381	0.008381	1.091548	1.118837	1.042835
11/13/02 19:20	0.009119	0.009119	1.259215	1.290695	1.046445
11/13/02 19:40	0.007455	0.007455	1.352977	1.386801	1.038275
11/13/02 20:00	0.012297	0.012297	1.475148	1.512026	1.061699
11/13/02 20:20	0.010935	0.010935	1.13748	1.165917	1.055213
11/13/02 20:40	0.010464	0.010464	1.17555	1.204939	1.052956
11/13/02 21:00	0.009656	0.009656	0.962284	0.986341	1.049054
11/13/02 21:20	0.01301	0.01301	1.057636	1.084077	1.065063
11/13/02 21:40	0.010604	0.010604	1.033956	1.059805	1.053628
11/13/02 22:00	0.009114	0.009114	1.080415	1.107425	1.046421
11/13/02 22:20	0.009808	0.009808	1.123425	1.15151	1.049791
11/13/02 22:40	0.011161	0.011161	1.124494	1.152606	1.056298
11/13/02 23:00	0.008129	0.008129	1.136722	1.16514	1.041599
11/13/02 23:20	0.005116	0.005116	1.097335	1.124769	1.026575
11/14/02 10:00	-0.038017	0.038017	1.203603	1.233693	0.853518
11/14/02 10:20	-0.036825	0.036825	1.374159	1.408513	0.856921
11/14/02 10:40	-0.005383	0.005383	1.067074	1.093751	0.972838



11/14/02 11:00	-0.011161	0.011161	1.262812	1.294382	0.946706
11/14/02 11:20	-0.012343	0.012343	1.096709	1.124127	0.941696
11/14/02 11:40	-0.008039	0.008039	1.510521	1.548284	0.960469
11/14/02 12:00	-0.040859	0.040859	1.097683	1.125125	0.845623
11/14/02 12:20	-0.034213	0.034213	1.135923	1.164321	0.864566
11/14/02 12:40	-0.089227	0.089227	0.527203	0.540383	0.744056
11/14/02 13:00	-0.167171	0.167171	0.589823	0.604569	0.648024
11/14/02 13:20	-0.052074	0.052074	0.65604	0.672441	0.81708
11/14/02 13:40	-0.148394	0.148394	0.725532	0.743671	0.666713
11/14/02 14:00	-0.087078	0.087078	0.730218	0.748473	0.747602
11/14/02 14:20	-0.097935	0.097935	0.693739	0.711083	0.730343
11/14/02 15:40	-0.101557	0.101557	0.371218	0.380498	0.724928
11/14/02 16:00	-0.024382	0.024382	0.653965	0.670314	0.896018
11/14/02 16:20	0.07637	0.07637	0.425191	0.435821	1.304897
11/14/02 16:40	0.094869	0.094869	0.348376	0.357086	1.360441
11/14/02 17:00	0.135525	0.135525	0.67118	0.687959	1.468746
11/14/02 17:20	0.147491	0.147491	0.861592	0.883131	1.497754
11/14/02 17:40	0.212528	0.212528	0.466309	0.477966	1.638697
11/14/02 18:00	0.213089	0.213089	0.523079	0.536156	1.639812
11/14/02 18:20	0.287837	0.287837	0.360376	0.369385	1.776377
11/14/02 18:40	0.263996	0.263996	0.436884	0.447806	1.735132
11/14/02 19:00	0.111264	0.111264	0.68903	0.706256	1.406135
11/14/02 19:20	0.072078	0.072078	0.614093	0.629446	1.291313
11/14/02 19:40	0.055896	0.055896	0.58684	0.601511	1.237332
11/14/02 20:00	0.106658	0.106658	0.672411	0.689221	1.393598
11/14/02 20:20	0.051641	0.051641	0.753588	0.772427	1.222326
11/14/02 20:40	0.037024	0.037024	0.83399	0.85484	1.167749
11/14/02 21:00	0.024758	0.024758	0.799449	0.819436	1.117657
11/14/02 21:20	0.055311	0.055311	0.561353	0.575387	1.235291
11/14/02 21:40	0.108006	0.108006	0.629381	0.645116	1.397291
11/14/02 22:00	0.236737	0.236737	0.429106	0.439834	1.685434
11/14/02 22:20	0.618898	0.618898	0.422633	0.433198	2.217381
11/14/02 22:40	0.321701	0.321701	0.561115	0.575143	1.831863
11/14/02 23:00	0.140649	0.140649	0.559651	0.573642	1.481306
11/14/02 23:20	0.085852	0.085852	0.594661	0.609527	1.333944
11/14/02 23:40	0.172184	0.172184	0.44304	0.454115	1.554298
11/15/02 0:00	0.140464	0.140464	0.637409	0.653344	1.480858
11/15/02 0:20	0.168439	0.168439	0.490386	0.502646	1.545986
11/15/02 0:40	0.063035	0.063035	0.739471	0.757957	1.261716
11/15/02 1:00	0.088652	0.088652	0.60148	0.616517	1.342286
11/15/02 1:20	0.088497	0.088497	0.664209	0.680814	1.341825
11/15/02 1:40	0.097996	0.097996	0.681764	0.698808	1.369394
11/15/02 2:00	0.135334	0.135334	0.534107	0.54746	1.468274
11/15/02 2:20	0.137266	0.137266	0.628841	0.644562	1.473037
11/15/02 2:40	0.174968	0.174968	0.500873	0.513395	1.560421
11/15/02 3:00	0.124065	0.124065	0.550673	0.564439	1.439849
11/15/02 3:20	0.099468	0.099468	0.700643	0.718159	1.373566
11/15/02 3:40	0.086837	0.086837	0.722805	0.740876	1.336891
11/15/02 4:00	0.085342	0.085342	0.936859	0.960281	1.332414
11/15/02 4:20	0.079683	0.079683	0.739226	0.757707	1.315193
11/15/02 4:40	0.050578	0.050578	0.820768	0.841287	1.21852



11/15/02 5:00	0.038058	0.038058	0.782817	0.802388	1.171777
11/15/02 5:20	0.045884	0.045884	0.786461	0.806122	1.201422
11/15/02 5:40	0.043668	0.043668	0.734101	0.752453	1.193177
11/15/02 6:00	0.034643	0.034643	0.74494	0.763564	1.158362
11/15/02 6:20	0.051976	0.051976	0.531631	0.544922	1.223521
11/15/02 6:40	0.040932	0.040932	0.79093	0.810703	1.182838
11/15/02 7:00	0.04096	0.04096	0.662454	0.679015	1.182944
11/15/02 7:20	0.034486	0.034486	0.764469	0.783581	1.157738
11/15/02 7:40	0.020667	0.020667	0.775289	0.794671	1.099908
11/15/02 8:00	0.016192	0.016192	0.854664	0.876031	1.079818
11/15/02 8:20	0.008933	0.008933	1.290365	1.322625	1.045537
11/15/02 8:40	0.008371	0.008371	1.088129	1.115332	1.042787
11/15/02 9:00	-0.001916	0.001916	1.24521	1.27634	0.989985
11/15/02 9:20	-0.004914	0.004914	0.901732	0.924276	0.975085
11/15/02 9:40	-0.012073	0.012073	0.886685	0.908852	0.94283
11/15/02 10:00	-0.018376	0.018376	1.041647	1.067688	0.917669
11/15/02 10:20	-0.05148	0.05148	0.786138	0.805792	0.818497
11/15/02 10:40	-0.05844	0.05844	0.679711	0.696704	0.802486
11/15/02 11:00	-0.046062	0.046062	0.814236	0.834591	0.831892
11/15/02 11:20	-0.039891	0.039891	0.874725	0.896593	0.84828
11/15/02 11:40	-0.013427	0.013427	1.074775	1.101644	0.937192
11/15/02 12:00	-0.031403	0.031403	0.98959	1.014329	0.873106
11/15/02 12:20	-0.051245	0.051245	0.834158	0.855012	0.819059
11/15/02 12:40	-0.066625	0.066625	0.681309	0.698341	0.785157
11/15/02 13:00	-0.123294	0.123294	0.653403	0.669738	0.695477
11/15/02 13:20	-0.077662	0.077662	0.834349	0.855208	0.763981
11/15/02 13:40	-0.038358	0.038358	0.631741	0.647535	0.852556
11/15/02 14:00	-0.009768	0.009768	0.781646	0.801187	0.952746

