

Tab. S1:  $\delta^{13}\text{C}$ , C and N content of hummocks at the three palsa peatlands

site	depth [cm]	$\delta^{13}\text{C}$ [‰]	C [%]	N [%]	C/N ratio
SDhu1	1.3	-26.51	47.53	1.34	30.50
	3.8	-26.88	49.22	1.46	28.85
	6.3	-26.66	49.45	1.50	28.21
	8.8	-27.31	42.42	1.64	22.21
	11.3	-27.55	43.26	2.04	18.15
	13.8	-28.68	9.42	0.42	19.27
SDhu2	1.3	-26.02	45.26	0.84	46.27
	3.8	-26.19	48.92	1.04	40.17
	6.3	-25.11	47.20	0.96	41.96
	8.8	-27.35	51.17	1.40	31.30
	11.4	-26.32	50.84	1.32	32.91
	13.9	-26.27	51.11	1.43	30.62
	16.4	-25.91	50.28	1.49	29.03
	18.9	-25.95	49.86	1.76	24.33
	21.5	-26.79	48.85	2.29	18.27
	24.0	-27.77	40.18	2.05	16.85
	26.5	-26.78	34.44	1.60	18.48
	29.1	-27.47	24.85	1.41	15.15
	31.6	-27.10	39.04	2.32	14.42
	34.1	-27.70	45.98	2.79	14.14
	36.6	-27.62	48.03	2.98	13.84
	39.2	-27.36	49.36	3.05	13.89
SDhu3	41.7	-26.95	43.85	2.21	17.05
	44.2	-26.32	43.71	1.66	22.60
	46.7	-26.43	42.08	1.81	19.89
	1.1	-26.82	47.57	1.08	37.83
	3.3	-27.09	50.25	0.92	46.67
	5.5	-24.79	46.07	0.56	71.12
	7.7	-25.13	45.99	0.53	73.79
	9.9	-25.32	46.50	0.64	62.62
	12.1	-25.61	46.79	0.67	59.47
	14.4	-25.34	48.22	0.97	42.75
	16.6	-25.19	47.37	0.83	48.94
	18.8	-25.88	48.05	1.03	40.16
	21.0	-26.47	49.77	1.46	29.30
	23.2	-26.28	48.62	1.29	32.35
	25.4	-25.50	47.76	1.64	25.03
	27.6	-25.80	48.49	2.17	19.12
	29.8	-26.70	50.47	2.03	21.35
	32.0	-27.29	50.61	1.93	22.48
	34.2	-27.75	51.09	1.82	24.01
	36.4	-28.16	49.80	1.73	24.75
	38.6	-27.27	47.14	2.26	17.92
	40.9	-27.48	39.83	1.98	17.24

SFhu1	43.1	-27.55	41.31	2.13	16.60
	45.3	-28.00	30.90	1.68	15.75
	47.5	-27.73	28.06	1.60	15.04
	49.7	-27.90	22.73	1.37	14.22
	1.0	-27.52	46.04	0.95	41.55
	3.1	-27.28	46.74	0.85	47.39
	5.1	-27.52	48.93	1.00	42.07
	7.2	-26.61	46.21	0.89	44.59
	9.3	-26.41	46.93	1.19	33.89
	11.3	-26.08	47.37	1.37	29.58
	13.4	-25.71	47.22	1.45	28.00
	15.4	-25.88	47.22	1.39	29.22
	17.5	-25.90	46.72	1.21	32.98
	19.5	-25.38	47.72	1.38	29.63
	21.6	-25.83	47.02	1.93	20.91
	23.7	-25.62	44.24	1.72	22.00
	25.7	-26.45	48.31	1.87	22.16
	27.8	-25.47	44.60	1.66	23.11
	29.8	-26.41	43.51	1.80	20.78
	31.9	-24.67	45.45	1.23	31.68
SFhu2	33.9	-25.09	45.60	1.21	32.38
	36.0	-26.97	46.12	2.30	17.23
	38.0	-26.59	48.23	2.21	18.72
	40.1	-26.33	49.35	1.78	23.72
	42.2	-27.23	50.91	1.36	32.20
	44.2	-27.48	49.41	1.69	25.06
	46.3	-27.45	46.27	2.10	18.85
	48.3	-27.44	48.60	2.40	17.35
	50.4	-27.62	47.95	2.43	16.95
	52.4	-28.84	45.23	2.15	18.07
	1.0	-26.83	45.06	0.87	44.43
	3.0	-26.39	44.60	0.95	40.35
	5.0	-25.41	44.54	0.72	53.19
	7.0	-25.63	45.17	0.78	49.76
	9.0	-25.04	45.32	0.80	48.48
	11.0	-24.07	43.91	0.56	67.74
	13.0	-25.95	48.15	1.43	28.81
	15.0	-26.26	49.56	1.66	25.56
	17.0	-25.91	47.87	1.73	23.74
	19.0	-26.69	44.27	2.08	18.25
	21.0	-26.52	40.60	2.17	16.05
	23.0	-26.87	45.71	2.11	18.61
	25.0	-27.71	40.27	2.02	17.06
	27.0	-27.43	38.42	1.93	17.10
	29.0	-27.45	37.85	2.07	15.65
	31.0	-28.09	44.17	2.02	18.74
	33.0	-27.49	42.24	2.33	15.56

SFhu3	35.0	-27.56	44.66	2.25	17.02
	37.0	-28.04	46.15	2.15	18.39
	39.0	-27.92	46.43	1.87	21.33
	41.0	-27.60	47.01	1.76	22.87
	43.0	-27.92	46.55	1.51	26.41
	45.0	-27.40	47.48	1.42	28.75
	47.0	-26.43	46.55	1.75	22.78
	49.0	-26.13	46.33	1.64	24.29
	1.4	-27.94	45.50	0.58	67.34
	4.1	-27.92	48.19	0.96	43.07
	6.9	-27.15	48.36	0.96	43.40
	9.6	-26.12	45.51	0.61	63.86
	12.4	-25.68	44.44	0.49	77.51
	15.1	-25.75	48.49	1.03	40.36
	17.9	-26.97	50.10	1.02	42.19
	20.6	-26.87	50.63	0.95	45.52
	23.4	-26.63	47.46	1.06	38.30
	26.1	-26.85	47.42	1.24	32.85
	28.9	-27.00	48.15	1.43	28.86
	31.6	-27.11	47.69	1.91	21.40
	34.4	-27.10	48.35	1.59	26.01
	37.1	-27.53	46.91	1.78	22.57
	39.9	-27.65	51.46	1.51	29.16
	42.6	-27.23	49.20	1.89	22.35
	45.4	-26.95	46.02	1.06	37.40
	48.1	-27.21	47.76	1.50	27.26
	50.9	-27.57	48.47	1.21	34.37
TThu1	53.6	-28.17	54.47	1.48	31.59
	1.6	-27.15	45.87	1.14	34.37
	4.9	-27.12	46.29	0.83	47.63
	8.2	-25.76	45.54	0.74	52.96
	11.4	-25.95	45.72	0.63	62.59
	14.7	-26.14	49.14	1.15	36.69
	18.0	-25.82	47.59	0.80	50.85
	21.2	-25.62	47.79	1.13	36.28
	24.5	-25.26	46.72	1.04	38.66
	27.8	-26.11	47.75	1.34	30.49
	31.0	-25.77	45.99	1.12	35.14
	34.3	-24.62	44.97	0.77	49.90
	37.6	-24.96	45.26	0.79	49.43
	40.8	-26.35	46.36	0.98	40.75
	44.1	-26.48	47.36	1.04	39.07
TThu2	47.4	-26.62	47.60	1.15	35.57
	1.1	-28.93	48.57	1.23	33.86
	3.3	-28.27	48.15	0.95	43.46
	5.6	-27.99	48.32	0.84	49.08
	7.8	-27.49	46.76	0.70	57.63

TThu3	10.0	-27.43	47.09	0.91	44.42
	12.3	-27.51	48.43	0.99	42.13
	14.5	-26.81	48.20	0.90	45.93
	16.7	-26.76	46.82	0.81	49.72
	18.9	-26.50	49.46	1.23	34.43
	21.2	-26.93	50.85	1.37	31.74
	23.4	-26.38	48.49	1.08	38.50
	25.6	-25.68	45.22	0.52	73.97
	27.8	-25.02	44.80	0.44	87.93
	30.1	-25.17	44.20	0.42	90.76
	32.3	-25.50	44.10	0.39	96.43
	34.5	-26.12	44.43	0.46	82.46
	36.8	-25.69	44.23	0.51	74.34
	39.0	-26.30	45.24	0.74	52.51
	41.2	-24.62	45.12	0.87	44.30
	43.4	-25.30	45.67	0.75	52.14
	45.7	-25.27	45.89	0.80	49.24
	47.9	-25.50	45.61	0.72	54.16
	1.5	-27.29	47.04	1.31	30.86
	4.5	-27.40	47.83	1.00	40.98
	7.5	-27.12	41.94	0.66	54.10
	10.5	-27.69	50.04	1.09	39.55
	13.5	-26.93	48.01	0.90	45.50
	16.5	-26.47	48.99	1.38	30.40
	19.5	-25.82	47.02	1.03	39.23
	22.5	-25.57	44.94	0.77	50.22
	25.5	-27.19	49.88	1.54	27.78
	28.5	-27.14	49.05	1.27	33.16
	31.5	-26.91	49.61	1.36	31.26
	34.5	-27.47	47.39	1.09	37.19
	37.5	-26.99	48.21	1.03	40.28
	40.5	-26.87	48.08	0.99	41.59
	43.5	-26.77	47.07	0.91	44.15
	46.5	-26.78	47.64	0.95	42.80

Tab. S2:  $\delta^{13}\text{C}$ , C and N content of degraded hummocks at the three palsa peatlands

site	depth [cm]	$\delta^{13}\text{C}$ [‰]	C [%]	N [%]	C/N ratio
SDhud1	1.0	-27.08	47.89	1.88	21.81
	3.0	-27.15	47.96	1.95	21.09
	5.0	-27.04	46.37	1.91	20.78
	7.0	-27.33	44.63	1.92	19.90
	9.0	-26.96	44.94	1.92	20.03
	11.0	-27.22	43.12	2.05	18.02
	13.0	-27.68	41.37	2.25	15.74
	15.0	-28.22	39.62	2.42	14.01

	17.0	-28.40	40.07	2.61	13.16
	19.0	-28.44	40.43	2.67	12.98
	21.0	-28.50	39.44	2.65	12.76
	23.0	-28.65	38.89	2.62	12.71
	25.0	-28.64	39.00	2.66	12.60
	27.0	-28.40	39.13	2.63	12.77
	29.0	-28.34	40.41	2.72	12.74
	31.0	-28.39	42.57	2.73	13.39
	33.0	-28.39	47.59	2.63	15.52
	35.0	-28.44	51.16	2.53	17.34
	37.0	-28.69	52.59	2.70	16.68
	39.0	-29.00	51.64	2.92	15.17
	41.0	-28.92	50.73	2.74	15.90
	43.0	n.d.	51.52	2.84	15.54
	45.0	-28.65	52.38	2.76	16.26
	47.0	-29.11	50.88	2.96	14.74
	49.0	-28.32	49.67	2.86	14.91
	51.0	n.d.	52.91	2.34	19.39
	53.0	-28.40	50.99	2.89	15.12
	55.0	-27.48	50.50	3.01	14.39
	57.0	-27.35	50.00	2.89	14.82
	59.0	-28.27	25.26	1.42	15.23
	61.0	-28.72	10.06	0.53	16.25
SDhud2	1.0	-26.02	48.60	1.17	35.72
	5.0	-25.90	46.96	0.91	44.18
	9.0	-24.88	45.57	0.48	80.65
	13.0	-24.98	46.79	0.90	44.38
	17.0	-26.38	49.99	1.46	29.35
	21.0	-26.84	49.97	1.35	31.70
	25.0	-26.56	48.99	1.30	32.30
	29.0	-26.09	46.18	1.00	39.44
	33.0	-26.46	47.20	1.12	36.16
	37.0	-26.35	46.35	1.74	22.88
	41.0	-26.78	47.28	2.31	17.53
	45.0	-26.80	46.72	2.37	16.87
SDhud3	1.0	-27.25	47.62	1.34	30.56
	3.0	-27.64	49.22	1.51	27.93
	5.0	-27.55	49.74	1.56	27.29
	7.0	-27.75	50.47	1.57	27.59
	9.0	-27.64	50.52	1.58	27.34
	11.0	-27.63	50.11	1.35	31.83
	13.0	-26.94	47.15	1.84	21.99
	15.0	-26.78	45.96	2.37	16.63
	17.0	-27.16	45.99	2.65	14.91
	19.0	-27.13	45.94	2.50	15.75
	21.0	-27.11	47.49	2.55	15.95
	25.0	-27.11	47.00	2.64	15.25

SFhud1	27.0	-27.15	48.02	2.44	16.85
	29.0	-27.43	47.55	2.57	15.89
	31.0	-27.37	46.57	2.41	16.59
	33.0	-27.55	46.32	2.34	17.00
	35.0	-27.76	43.35	2.24	16.60
	37.0	-27.79	42.10	2.07	17.48
	39.0	-27.74	40.91	2.06	17.00
	41.0	-27.88	29.85	1.50	17.04
	43.0	-27.67	17.55	0.86	17.49
	45.0	-28.08	12.06	0.56	18.33
	47.0	-27.33	10.99	0.49	19.32
	1.0	-28.56	47.77	1.61	25.40
	5.0	-27.24	49.66	1.72	24.82
	9.0	-26.81	50.42	1.60	27.07
	13.0	-27.38	43.67	2.10	17.81
	17.0	-27.16	45.88	2.01	19.61
	21.0	-27.31	45.95	2.07	19.07
	25.0	-26.98	44.86	1.84	20.95
	29.0	-26.63	43.48	1.80	20.74
	33.0	-25.62	45.00	1.55	24.90
SFhud2	37.0	-25.87	45.08	1.69	22.85
	41.0	-25.52	44.63	1.58	24.24
	45.0	-25.13	45.52	1.85	21.11
	1.0	-27.91	45.23	1.43	27.10
	5.0	-26.45	45.22	1.49	25.97
	9.0	-26.76	46.79	1.67	24.01
	13.0	-27.02	47.95	1.72	23.88
	17.0	-26.68	47.15	1.31	30.80
	21.0	-26.31	46.74	1.47	27.30
	25.0	-26.21	46.68	1.50	26.62
SFhud3	29.0	-25.27	46.16	1.12	35.33
	37.0	-27.69	45.90	1.57	25.14
	43.0	-27.85	45.31	1.62	23.92
	1.0	-25.61	43.59	0.98	38.33
	3.0	-25.26	42.69	0.68	53.56
	5.0	-26.15	44.90	0.96	40.26
	7.0	-26.43	46.15	0.84	47.08
	9.0	-26.16	47.40	0.96	42.54
	11.0	-24.78	46.22	0.81	48.66
	13.0	-24.51	45.28	0.82	47.26
	15.0	-25.66	46.98	1.48	27.23
	17.0	-26.22	47.07	2.01	20.09
	19.0	-25.72	45.29	1.69	23.03
	21.0	-25.42	43.47	1.57	23.72
	25.0	-25.80	45.26	2.01	19.31
	29.0	-26.10	46.55	2.05	19.47
	33.0	-26.20	46.50	1.96	20.30

TThud1	37.0	-26.07	48.94	1.94	21.63
	41.0	-26.76	47.52	2.21	18.47
	45.0	-26.55	47.66	1.85	22.10
	49.0	-26.59	47.65	1.72	23.78
	1.0	-26.56	47.24	1.26	32.12
	5.0	-26.11	46.42	0.99	40.06
	9.0	-26.18	47.51	1.12	36.23
	13.0	-26.17	47.33	1.18	34.48
	17.0	-24.96	46.40	1.08	36.94
	21.0	-25.01	44.07	0.63	60.17
	25.0	-24.61	43.96	0.53	71.36
	29.0	-26.81	46.19	1.09	36.32
	33.0	-25.83	45.48	0.69	56.57
	37.0	-25.96	45.25	0.64	60.81
	41.0	-26.87	46.08	0.61	64.67
TThud2	45.0	-26.75	46.44	0.67	59.11
	49.0	-26.42	45.30	0.70	55.57
	1.0	-27.12	44.71	0.99	38.72
	3.0	-26.09	41.41	0.93	38.14
	5.0	-25.04	43.84	0.68	55.39
	7.0	-25.62	44.97	1.09	35.30
	9.0	-26.20	45.37	1.33	29.31
	11.0	-24.83	42.28	0.67	54.05
	13.0	-24.95	42.68	0.58	63.20
	15.0	-24.96	43.23	0.60	62.07
	17.0	-25.24	44.83	0.69	55.93
	19.0	-26.39	45.44	0.95	40.83
	21.0	-25.82	45.03	0.79	49.12
	23.0	-26.53	44.90	0.81	47.30
	25.0	-27.24	44.70	0.91	42.09
TThud3	27.0	-26.73	45.34	0.92	42.13
	29.0	-26.38	45.85	0.94	41.67
	31.0	-25.54	45.37	0.80	48.65
	33.0	-26.32	46.44	0.81	48.96
	35.0	-26.48	46.12	1.07	36.88
	37.0	-26.59	44.64	0.82	46.92
	39.0	-27.16	45.34	0.75	51.71
	41.0	-26.81	44.19	0.73	51.57
	43.0	-25.27	44.30	0.58	65.08
	45.0	-25.50	44.37	0.67	56.37
	47.0	-26.09	45.40	0.75	51.68
	49.0	-27.06	47.55	1.17	34.72
	1.0	-26.59	46.50	1.27	31.28
	3.0	-26.65	47.57	1.31	31.17
	5.0	-26.86	48.65	1.47	28.37
	7.0	-27.03	49.31	1.51	28.04
	9.0	-26.80	48.84	1.63	25.77

11.0	-26.97	48.51	1.36	30.59
13.0	-27.20	48.92	1.27	32.99
15.0	-27.15	47.99	1.27	32.45
17.0	-27.17	48.82	1.41	29.75
19.0	-27.13	47.39	1.69	24.04
21.0	-27.28	49.07	1.85	22.70
23.0	-27.14	49.65	2.55	16.70
25.0	-27.06	50.74	1.96	22.21
27.0	-26.85	50.24	2.21	19.53
29.0	-26.80	49.37	2.11	20.11
31.0	-26.77	48.77	2.20	19.02
33.0	-27.12	49.69	2.04	20.92
35.0	-27.14	49.80	1.57	27.27
37.0	-27.06	50.23	1.67	25.85
39.0	-27.03	49.50	1.79	23.73
41.0	-26.87	49.41	1.39	30.39
43.0	-26.70	49.87	1.22	34.95
45.0	-27.08	50.07	1.27	33.79

Tab. S3:  $\delta^{13}\text{C}$ , C and N content of hollows at the three palsa peatlands

site	depth [cm]	$\delta^{13}\text{C}$ [‰]	C [%]	N [%]	C/N ratio
SDho1	2.0	-25.73	44.43	0.86	44.08
	6.0	-26.21	43.71	0.86	43.67
	10.0	-27.19	43.84	0.76	49.20
	14.0	-27.14	44.00	0.66	56.80
	18.0	-27.18	45.70	1.02	38.50
	22.0	-26.51	44.41	0.95	39.94
	26.0	-26.43	46.29	1.43	27.77
	30.0	-26.48	45.71	1.55	25.34
	34.0	-25.61	47.63	1.72	23.79
SDho2	2.0	-25.27	43.81	0.69	54.80
	6.0	-26.21	43.04	0.49	75.83
	10.0	-25.85	42.88	0.39	94.61
	14.0	-25.80	43.31	0.49	76.01
	18.0	-26.51	45.18	0.53	72.61
	22.0	-27.33	45.20	0.79	49.07
	34.0	-26.51	46.12	1.13	35.13
	38.0	-26.22	46.34	1.42	28.08
SDho3	2.0	-26.83	43.94	0.66	57.13
	6.0	-27.20	44.26	0.61	62.64
	10.0	-26.98	43.55	0.64	58.20
	14.0	-27.42	43.89	0.67	56.23
	18.0	-27.27	44.11	0.82	46.01
	22.0	-26.69	44.43	0.75	51.02
	26.0	-26.07	44.01	0.61	62.21



SFho1	34.0	-23.74	44.09	0.40	94.37
	38.0	-23.55	44.56	0.47	81.80
	1.0	-24.06	43.67	1.95	19.20
	3.0	-24.64	42.67	1.91	19.13
	5.0	-24.91	43.56	2.03	18.36
	7.0	-24.91	44.76	2.21	17.36
	9.0	-25.29	48.96	2.01	20.84
	11.0	-24.49	46.83	2.11	19.03
	15.0	-23.82	45.84	1.33	29.59
	19.0	-25.76	45.31	1.52	25.55
	23.0	-25.08	46.22	1.63	24.33
	25.0	-25.49	48.58	2.42	17.25
	27.0	-24.95	46.20	1.58	25.04
	29.0	-24.93	45.09	1.55	24.93
	31.0	-24.68	45.30	1.49	26.10
SFho2	33.0	-23.97	45.00	1.17	32.99
	1.0	-23.22	45.15	1.09	35.68
	5.0	-26.75	42.52	1.13	32.38
	9.0	-28.43	43.10	1.71	21.57
	13.0	-27.76	44.64	1.66	23.11
	17.0	-27.88	44.98	1.81	21.33
	21.0	-27.53	45.64	2.23	17.53
	25.0	-28.12	45.08	2.36	16.39
	29.0	-27.45	44.28	2.35	16.15
	33.0	-27.53	39.90	1.99	17.22
SFho3	1.0	-27.36	43.89	1.10	34.27
	3.0	-27.79	44.36	1.32	28.71
	5.0	-28.07	44.64	1.27	30.25
	7.0	-28.29	44.66	1.28	29.80
	9.0	-28.37	44.52	1.32	28.99
	11.0	-28.42	43.85	1.22	30.81
	13.0	-28.31	44.02	1.35	28.04
	15.0	-28.20	44.98	1.44	26.79
	17.0	-28.11	44.97	1.55	24.83
	19.0	-27.84	44.99	1.42	27.21
	23.0	-27.17	46.76	1.14	35.33
	25.0	-27.29	45.94	1.07	36.76
	27.0	-26.15	47.32	1.17	34.61
	29.0	-26.24	46.74	1.26	31.79
	31.0	-27.40	49.77	1.75	24.37
TTho1	35.0	-26.76	49.02	2.14	19.63
	37.0	-26.01	46.57	2.17	18.43
	39.0	-25.26	44.83	2.20	17.46
	41.0	-25.53	44.97	2.36	16.37
	43.0	-25.94	46.47	2.08	19.15
	45.0	-26.06	46.96	1.95	20.61
	2.0	-25.62	43.07	0.57	65.00

TTho2	6.0	-26.33	42.66	0.39	93.86
	10.0	-26.72	43.27	0.59	62.37
	14.0	-26.72	42.90	0.56	66.27
	18.0	-27.20	43.08	0.53	69.65
	22.0	-26.74	42.67	0.44	82.40
	26.0	-26.65	43.08	0.44	84.89
TTho3	2.0	-26.33	43.13	0.59	62.86
	6.0	-26.26	43.59	0.49	75.73
	10.0	-25.99	42.38	0.47	77.94
	14.0	-25.88	43.54	0.48	77.29
	18.0	-25.99	43.57	0.60	62.22
	22.0	-26.16	43.90	0.51	73.27
	2.0	-26.32	43.36	0.38	96.96
	6.0	-27.37	42.99	0.35	104.28
	10.0	-26.55	43.94	0.32	116.04
	14.0	-25.27	43.86	0.26	144.10
	18.0	-25.70	42.95	0.26	143.99
	22.0	-25.90	42.68	0.23	162.51
	26.0	-26.65	44.59	0.37	104.02

Tab. S4:  $\delta^{13}\text{C}$ , C and N content of degraded hollows at the three palsa peatlands

site	depth [cm]	$\delta^{13}\text{C}$ [‰]	C [%]	N [%]	C/N ratio
SDhod1	1.0	-24.33	43.33	1.50	24.81
	3.0	-24.51	43.97	1.41	26.75
	5.0	-24.49	43.21	1.34	27.61
	7.0	-24.74	43.51	1.37	27.25
	9.0	-25.74	43.21	1.34	27.75
	11.0	-26.62	43.20	1.33	27.82
	13.0	-27.49	44.94	1.84	20.98
	15.0	-28.83	46.96	1.60	25.09
	17.0	-28.36	47.07	1.15	35.06
	19.0	-27.99	46.64	1.17	34.20
	21.0	-26.70	47.64	1.07	38.01
	23.0	-27.28	48.77	1.24	33.71
	25.0	-27.30	47.96	1.21	34.08
	27.0	-27.56	48.94	1.27	33.10
	29.0	-27.04	47.81	1.21	33.90
	31.0	-27.05	47.95	1.34	30.80
	33.0	-27.35	48.77	1.66	25.25
	35.0	n.d.	48.22	1.74	23.77
	37.0	n.d.	51.33	1.90	23.13
	39.0	-27.76	50.11	2.18	19.70
	41.0	-28.11	48.63	2.15	19.41
	43.0	-28.22	44.95	2.33	16.53
	45.0	-28.22	44.99	2.33	16.53

SDhod2	47.0	-28.14	44.47	2.19	17.42
	49.0	-28.42	43.92	2.44	15.46
	51.0	-28.50	43.37	2.45	15.18
	53.0	-28.49	44.21	2.58	14.68
	1.0	-25.20	43.41	0.69	53.87
	3.0	-25.25	43.52	0.66	56.22
	5.0	-25.33	42.36	0.65	56.07
	7.0	-24.97	42.64	0.67	54.97
	9.0	-24.72	42.96	0.96	38.40
	11.0	-25.03	43.65	1.04	36.01
	13.0	-26.40	46.00	1.09	36.04
	15.0	-28.16	50.15	1.13	38.00
	17.0	-28.15	48.38	1.34	31.07
	19.0	-27.78	50.19	1.38	31.21
	21.0	-26.95	49.75	1.08	39.40
	23.0	-26.85	48.89	0.94	44.41
	25.0	-27.02	49.28	1.05	40.16
	27.0	-26.97	49.78	1.18	36.27
	29.0	-26.66	49.62	1.18	36.13
	31.0	-25.95	47.17	1.07	37.73
SDhod3	33.0	-26.91	49.36	1.29	32.82
	35.0	-27.01	49.09	1.24	34.07
	37.0	-27.50	49.61	1.20	35.35
	39.0	-28.62	49.99	0.95	45.26
	1.0	-28.32	47.00	1.32	30.44
	3.0	-28.47	46.70	1.26	31.73
	5.0	-28.05	45.38	1.33	29.32
	7.0	-28.14	46.13	1.45	27.33
	9.0	-27.10	46.13	1.91	20.67
	11.0	-26.85	46.18	2.41	16.40
	13.0	-27.07	44.67	2.53	15.14
	15.0	-27.24	43.20	2.76	13.44
	17.0	-26.95	43.55	2.90	12.89
	19.0	-27.07	43.56	2.91	12.84
	21.0	-27.27	44.09	2.95	12.81
	23.0	-27.11	45.94	2.81	14.04
	25.0	-27.02	46.55	2.59	15.43
	27.0	-27.27	45.65	2.45	15.99
	29.0	-27.43	43.39	2.19	16.97
	31.0	-27.54	42.50	2.13	17.08
	33.0	-28.07	41.01	2.01	17.48
	35.0	-28.09	37.58	1.88	17.14
	37.0	-28.09	32.37	1.64	16.90
	39.0	-28.25	25.29	1.31	16.60
	41.0	-28.20	20.20	1.04	16.68
	43.0	-28.40	17.11	0.87	16.84
	45.0	-28.23	21.09	1.10	16.40

SFhod1	1.0	-26.33	42.03	0.96	37.38
	5.0	-25.77	41.97	1.11	32.48
	9.0	-27.08	45.32	1.34	28.92
	13.0	-26.10	45.68	1.30	30.10
	17.0	-25.03	46.33	1.83	21.74
	21.0	-26.46	36.62	1.64	19.16
	25.0	-27.53	20.88	1.25	14.28
	29.0	-28.10	12.19	0.73	14.36
	33.0	-27.71	5.16	0.34	13.11
	37.0	-27.36	4.71	0.31	13.11
SFhod2	1.0	-27.71	44.11	1.15	32.84
	5.0	-28.33	43.71	1.35	27.74
	9.0	-27.42	44.89	1.52	25.26
	13.0	-26.97	49.45	2.01	21.10
	17.0	-26.79	50.58	1.80	24.11
	21.0	-26.49	47.28	1.57	25.91
	25.0	-26.70	46.95	1.39	29.01
	29.0	-26.18	46.52	1.23	32.56
	37.0	-26.01	44.44	1.13	33.76
SFhod3	1.0	-28.32	45.40	1.50	25.98
	3.0	-28.11	45.87	1.43	27.42
	5.0	-28.23	46.39	1.38	28.91
	7.0	-28.32	46.58	1.38	29.03
	9.0	-27.93	46.34	1.33	29.87
	11.0	-27.62	47.46	1.43	28.54
	13.0	-27.28	45.81	1.71	22.96
	15.0	-26.58	44.39	0.95	40.12
	17.0	-26.54	44.11	0.99	38.29
	19.0	-26.72	44.74	1.05	36.54
	21.0	-26.88	44.53	1.08	35.23
	23.0	-26.66	44.54	1.22	31.43
	25.0	-26.55	45.46	1.40	27.83
	27.0	-26.26	45.43	1.51	25.76
	29.0	-26.25	45.72	1.52	25.79
	31.0	-25.96	44.56	1.37	27.90
	33.0	-25.81	45.16	1.44	26.98
	35.0	-26.08	44.86	1.36	28.25
	37.0	-25.76	44.32	1.29	29.46
TThod1	39.0	-26.80	48.65	1.77	23.56
	2.0	-24.10	43.26	1.09	33.94
	6.0	-28.33	53.48	0.95	48.47
	10.0	-27.69	48.68	1.31	31.88
	14.0	-26.95	46.12	0.90	44.11
	18.0	-26.76	47.20	0.75	53.70
	22.0	-27.38	47.61	0.81	50.70
	30.0	-25.99	45.15	0.74	52.62
	38.0	-25.89	46.71	1.42	28.29

TThod2	42.0	-25.79	45.95	1.54	25.52
	2.0	-21.29	43.08	1.42	26.04
	6.0	-22.23	42.51	1.37	26.70
	10.0	-23.19	41.94	1.04	34.64
	14.0	-24.12	42.81	1.09	33.56
	18.0	-25.75	43.53	1.44	25.89
	22.0	-25.24	44.48	1.55	24.53
	26.0	-26.57	47.24	1.43	28.33
	30.0	-26.83	45.86	1.08	36.34
	34.0	-26.71	46.76	1.06	37.81
	38.0	-27.05	47.38	1.10	36.79
	42.0	-26.85	46.13	0.80	49.19
	46.0	-26.80	46.36	0.85	46.68
	2.0	-22.79	42.75	0.96	38.28
TThod3	6.0	-23.12	41.86	0.67	53.41
	10.0	-24.14	42.34	0.76	48.01
	14.0	-24.85	42.97	0.81	45.40
	18.0	-25.06	43.94	0.90	41.98
	22.0	-26.73	47.28	1.08	37.41
	26.0	-26.33	46.03	0.93	42.55
	30.0	-28.44	47.25	1.08	37.40
	34.0	-28.89	50.15	1.26	34.25
	38.0	-28.21	49.89	1.24	34.59
	42.0	-27.21	49.28	1.32	32.03
	46.0	-26.95	49.01	1.35	31.02