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6,13-Pentacenequinone: molecular packing analysis

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34464*

Table 2. Final thermal parameters, all values $\times 10^4$. For non-hydrogen atoms the expression for temperature factor is

$$\exp[-2\pi^2(a^2U_{11}h^2 + b^2U_{22}k^2 + c^2U_{33}l^2 + 2a^*b^*\cos\gamma^*U_{12}hk + 2a^*c^*\cos\beta^*U_{13}hl + 2b^*c^*\cos\alpha^*U_{23}kl)] .$$

	U_{11} or U	U_{22}	U_{33}	U_{12}	U_{13}	U_{23}
O(1)	358(23)	753(22)	391(18)	390(18)	56(18)	193(18)
C(1)	460(26)	399(26)	392(25)	24(20)	-15(21)	61(23)
C(2)	391(25)	365(26)	364(24)	13(21)	-34(20)	31(20)
C(3)	387(24)	339(27)	374(24)	-35(21)	-55(20)	62(19)
C(4)	440(24)	397(24)	374(24)	10(19)	-85(22)	68(21)
C(5)	429(26)	408(27)	404(25)	47(22)	-34(22)	114(22)
C(6)	419(25)	411(27)	403(26)	16(21)	-58(22)	7(22)
C(7)	369(25)	401(27)	424(27)	25(21)	-24(21)	14(22)
C(8)	579(28)	541(29)	406(28)	124(24)	-21(24)	-0(25)
C(9)	504(27)	430(27)	464(29)	76(22)	-43(25)	29(22)
C(10)	611(30)	624(32)	482(29)	108(25)	38(26)	-134(28)
C(11)	518(27)	485(28)	627(31)	136(22)	-52(27)	-29(27)
H(4)	231(15)					
H(5)	370(15)					
H(8)	341(16)					
H(9)	294(16)					
H(10)	610(18)					
H(11)	356(15)					

LIST OF STRUCTURE FACTORS

H	K	L	SP	F0	F2	H	K	L	SP	F0	F2
9	8	2	1	25.18	24.58	8	9	2	1	2.66	3.24
9	8	4	1	12.86	12.53	8	9	4	1	3.75	4.58
9	8	6	1	11.15	10.83	8	10	1	1	22.58	21.95
9	8	8	1	3.64	3.99	8	10	3	1	8.93	8.69
9	1	1	1	33.42	32.73	9	10	5	1	3.82	3.23
9	1	2	1	4.85	4.52	9	10	6	1	4.86	4.19
9	1	3	1	18.37	18.25	9	11	1	1	18.71	18.51
9	1	4	1	9.82	9.35	9	11	2	1	2.62	2.41
9	1	5	1	7.34	7.55	9	11	4	1	5.33	5.67
9	1	6	1	16.53	16.77	9	11	6	1	11.75	11.54
9	1	7	1	35.84	36.11	9	11	7	1	5.48	5.37
9	1	8	1	6.56	7.37	9	12	8	1	31.34	30.42
9	1	9	1	4.51	3.97	9	12	1	1	13.83	15.42
9	2	0	1	48.35	46.53	9	12	3	1	8.65	6.33
9	2	1	1	54.99	54.52	9	13	1	1	5.81	5.48
9	2	2	1	18.35	17.93	9	13	3	1	4.44	3.68
9	2	3	1	23.14	22.22	9	13	5	1	3.46	3.45
9	2	4	1	7.36	7.11	9	14	8	1	9.34	9.25
9	2	6	1	15.15	14.64	9	14	1	1	4.48	3.98
9	3	1	1	21.71	20.98	9	14	3	1	3.51	3.42
9	3	2	1	9.48	9.55	9	14	5	1	3.36	3.49
9	3	3	1	7.57	7.11	9	14	6	1	3.99	3.33
9	3	4	1	7.55	7.84	9	15	2	1	8.46	8.84
9	3	7	1	5.88	5.99	9	15	3	1	6.11	5.15
9	3	9	1	6.59	6.47	9	16	3	1	11.66	10.85
9	4	0	1	27.12	24.77	9	16	5	1	7.82	7.42
9	4	1	1	41.89	40.49	9	16	6	1	7.99	8.32
9	4	2	1	31.98	31.45	9	17	2	1	12.84	12.82
9	4	3	1	18.86	9.98	9	17	3	1	11.36	14.51
9	4	4	1	9.24	6.11	9	17	4	1	18.94	18.94
9	4	6	1	4.65	4.47	9	18	2	1	4.96	4.34
9	5	0	1	5.89	5.86	9	18	3	1	11.71	12.18
9	5	3	1	35.26	32.71	1	-19	1	1	5.87	6.28
9	5	4	1	15.91	14.93	1	-17	4	1	4.24	4.28
9	5	6	1	7.53	7.25	1	-15	2	1	3.88	3.51
9	5	7	1	2.47	2.43	1	-16	3	2	6.28	5.83
9	5	8	1	3.44	3.49	1	-16	4	1	18.56	11.85
9	5	9	1	11.69	11.23	1	-15	5	1	27.32	27.54
9	6	1	1	3.88	4.32	1	-15	6	1	3.35	3.74
9	6	2	1	16.62	15.46	1	-15	8	1	4.91	4.93
9	6	3	1	7.29	6.86	1	-14	8	1	3.31	3.81
9	6	4	1	36.44	34.45	1	-14	9	1	18.42	18.51
9	6	7	1	3.65	4.16	1	-14	4	1	23.26	23.77
9	7	2	1	4.13	3.35	1	-14	5	1	4.36	4.72
9	7	3	1	33.17	33.14	1	-13	1	1	3.89	3.47
9	7	4	1	4.81	3.63	1	-13	2	1	11.24	11.38
9	7	5	1	11.48	11.12	1	-13	3	1	17.62	17.53
9	7	7	1	5.94	6.11	1	-13	4	1	12.55	12.72
9	8	0	1	19.59	19.77	1	-12	6	1	15.85	14.42
9	8	1	1	2.83	3.34	1	-12	4	1	3.42	3.58
9	8	2	1	13.78	13.76	1	-12	4	1	9.82	8.61
9	8	3	1	18.39	9.62	1	-12	5	1	6.95	6.57
9	8	4	1	8.47	7.31	1	-12	4	1	2.51	2.25

H	K	L	CRP	FO	FS	H	K	L	CRP	FO	FS
1	-12	5	1	4.61	4.34	1	-3	6	1	4.93	4.85
1	-12	6	1	4.81	4.73	1	-3	7	1	3.58	3.48
1	-11	1	1	5.88	5.14	1	-2	8	1	16.59	16.98
1	-11	2	1	3.88	2.86	1	-2	1	1	5.86	7.94
1	-11	3	1	6.38	6.42	1	-2	2	1	3.68	3.83
1	-11	4	1	2.53	3.35	1	-2	3	1	4.43	4.71
1	-11	5	1	23.13	22.88	1	-2	4	1	34.48	32.78
1	-11	6	1	6.86	6.18	1	-2	5	1	2.37	2.69
1	-10	1	1	4.53	4.38	1	-1	1	1	12.43	12.33
1	-10	2	1	18.23	11.88	1	-1	2	1	2.92	3.25
1	-10	3	1	4.88	4.93	1	-1	3	1	28.59	27.92
1	-10	4	1	7.57	7.18	1	-1	4	1	9.75	9.25
1	-9	1	1	8.63	8.13	1	-1	5	1	2.54	2.47
1	-9	2	1	3.27	3.51	1	-1	6	1	9.68	9.87
1	-9	3	1	4.42	4.51	1	-1	7	1	3.59	3.55
1	-9	4	1	14.63	16.18	1	-1	8	1	4.86	4.14
1	-8	1	1	63.93	63.19	1	-1	9	1	4.32	4.92
1	-8	2	1	19.92	18.19	1	0	1	1	7.74	8.44
1	-8	3	1	11.38	11.38	1	0	2	1	27.94	28.87
1	-8	4	1	3.12	3.81	1	0	3	1	32.78	33.23
1	-8	5	1	3.47	3.38	1	0	4	1	15.14	15.48
1	-8	6	1	4.68	4.95	1	0	5	1	3.66	3.79
1	-8	7	1	5.64	5.81	1	0	6	1	8.46	8.52
1	-7	1	1	4.19	3.57	1	0	7	1	3.52	3.69
1	-7	2	1	4.13	4.35	1	1	1	1	35.85	35.67
1	-7	3	1	6.55	7.23	1	1	2	1	6.18	6.81
1	-7	4	1	6.58	6.13	1	1	3	1	13.39	13.19
1	-7	5	1	8.87	7.73	1	1	4	1	9.88	18.54
1	-7	6	1	8.98	9.25	1	1	5	1	5.51	6.85
1	-7	7	1	9.72	18.53	1	2	6	1	49.27	49.18
1	-7	8	1	5.46	5.82	1	2	7	1	89.41	89.83
1	-6	1	1	18.12	18.43	1	2	8	1	15.47	15.98
1	-6	2	1	13.88	12.84	1	2	9	1	3.52	3.41
1	-6	3	1	12.98	13.67	1	2	10	1	7.94	7.93
1	-6	4	1	6.63	5.57	1	2	11	1	18.38	18.58
1	-6	5	1	3.47	3.86	1	2	12	1	5.72	5.73
1	-5	1	1	3.53	3.39	1	3	1	1	45.98	45.97
1	-5	2	1	4.48	3.89	1	3	2	1	11.88	11.51
1	-5	3	1	7.31	6.31	1	3	3	1	8.32	5.27
1	-5	4	1	9.73	9.38	1	3	4	1	5.21	5.88
1	-5	5	1	2.82	3.19	1	3	5	1	23.64	24.25
1	-5	6	1	5.87	4.45	1	3	6	1	38.37	31.55
1	-4	1	1	38.18	29.98	1	3	7	1	13.28	13.93
1	-4	2	1	22.85	23.36	1	4	8	1	29.55	29.45
1	-4	3	1	12.62	13.27	1	4	9	1	9.88	18.11
1	-4	4	1	33.35	32.23	1	4	10	1	6.87	7.58
1	-4	5	1	16.89	14.88	1	4	11	1	4.86	4.79
1	-4	6	1	5.58	5.15	1	4	12	1	5.29	5.15
1	-3	1	1	2.58	2.52	1	4	13	1	18.68	18.78
1	-3	2	1	12.72	12.42	1	5	1	1	2.67	2.12
1	-3	3	1	48.93	43.33	1	5	2	1	2.48	1.55
1	-3	4	1	17.91	17.32	1	5	3	1	3.68	3.47
1	-3	5	1	6.65	6.52	1	5	4	1	9.38	9.55

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
1	5	6	1	6.62	6.27	2	-13	3	1	6.91	9.36
1	5	7	1	23.29	23.53	2	-13	4	1	10.11	10.98
1	6	8	1	6.78	6.65	2	-12	8	1	7.35	7.69
1	6	1	1	10.36	10.05	2	-12	4	1	2.92	2.34
1	6	3	1	15.36	15.56	2	-12	3	1	5.98	5.69
1	6	5	1	3.85	3.38	2	-12	2	1	13.77	14.13
1	6	6	1	7.92	8.66	2	-12	4	1	22.07	22.53
1	6	7	1	2.87	2.99	2	-11	3	1	38.62	39.79
1	6	8	1	4.23	4.37	2	-11	4	1	3.78	4.17
1	7	1	1	2.19	1.74	2	-11	5	1	7.06	7.41
1	7	2	1	15.56	15.35	2	-10	8	1	3.45	2.99
1	7	3	1	2.85	2.24	2	-10	4	1	5.33	5.55
1	7	4	1	3.46	3.56	2	-10	2	1	4.21	4.19
1	7	7	1	6.75	6.47	2	-10	3	1	14.95	15.35
1	8	8	1	9.98	14.75	2	-10	4	1	27.46	28.59
1	8	1	1	12.12	12.45	2	-9	1	1	3.62	2.32
1	8	2	1	15.49	15.38	2	-9	2	1	4.33	4.03
1	8	3	1	10.73	10.29	2	-9	3	1	15.92	16.28
1	8	4	1	9.75	9.47	2	-9	4	1	7.22	5.04
1	8	5	1	7.28	6.98	2	-9	5	1	4.87	5.14
1	9	1	1	2.54	2.78	2	-9	6	1	3.46	4.39
1	9	2	1	7.19	7.25	2	-8	6	1	13.27	12.88
1	9	3	1	18.89	18.58	2	-8	1	1	8.63	7.98
1	9	4	1	14.88	15.24	2	-8	2	1	9.22	9.33
1	10	1	1	9.43	10.13	2	-8	5	1	4.02	4.12
1	10	2	1	5.71	5.85	2	-8	6	1	6.13	6.67
1	10	3	1	10.81	10.51	2	-7	1	1	14.66	13.87
1	10	4	1	16.63	17.11	2	-7	2	1	4.83	5.94
1	10	5	1	2.99	2.57	2	-7	3	1	3.32	3.28
1	11	3	1	11.04	10.87	2	-7	4	1	8.46	8.53
1	11	4	1	2.61	2.86	2	-6	8	1	40.10	38.96
1	11	5	1	5.02	4.95	2	-6	1	1	17.49	16.82
1	11	6	1	2.94	2.51	2	-6	2	1	4.43	4.28
1	13	6	1	4.10	4.28	2	-6	3	1	9.69	9.91
1	14	1	1	11.99	12.68	2	-6	5	1	2.66	2.28
1	14	2	1	3.81	3.65	2	-6	6	1	7.77	8.23
1	14	6	1	4.80	4.96	2	-5	1	1	9.58	9.86
1	15	1	1	8.42	8.77	2	-5	3	1	3.42	3.73
1	16	8	1	13.26	13.61	2	-5	5	1	5.76	5.54
1	16	1	1	5.66	6.66	2	-5	7	1	16.44	18.16
1	18	8	1	3.95	3.84	2	-5	8	1	3.27	3.65
1	19	1	1	4.61	4.73	2	-4	8	1	66.43	64.78
2	-18	8	1	10.86	11.71	2	-4	2	1	17.88	18.88
2	-16	8	1	10.23	10.35	2	-4	3	1	3.05	3.12
2	-16	1	1	3.81	4.17	2	-4	4	1	8.17	8.21
2	-16	3	1	3.73	3.87	2	-4	7	1	3.92	3.67
2	-15	1	1	7.26	7.65	2	-3	1	1	4.69	5.47
2	-15	4	1	5.65	5.76	2	-3	3	1	5.37	5.73
2	-14	8	1	5.22	5.13	2	-3	5	1	7.66	7.55
2	-14	2	1	2.73	3.21	2	-3	7	1	7.69	7.99
2	-14	6	1	4.88	4.16	2	-2	1	1	9.37	9.66
2	-14	5	1	4.59	4.48	2	-2	3	1	3.38	3.81
2	-13	2	1	4.28	3.62	2	-2	5	1	3.85	2.35

H	K	L	GRP	FO	FO
2	-1	2	1	15.24	14.75
2	-1	3	1	3.72	2.92
2	-1	4	1	13.89	13.65
2	-1	5	1	3.83	4.87
2	-1	6	1	6.27	5.73
2	-1	8	1	4.18	4.78
2	0	0	1	9.21	9.93
2	0	1	1	18.55	18.97
2	0	2	1	8.91	8.55
2	0	3	1	32.15	31.48
2	0	4	1	10.59	9.87
2	0	5	1	7.97	7.91
2	1	2	1	8.97	9.35
2	1	3	1	30.18	29.65
2	1	4	1	16.60	16.27
2	1	5	1	3.19	3.29
2	1	6	1	2.75	3.05
2	2	0	1	24.21	24.36
2	2	2	1	8.02	7.41
2	2	4	1	17.80	17.10
2	2	6	1	3.78	3.58
2	3	1	1	12.12	12.53
2	3	2	1	2.66	2.84
2	3	3	1	13.53	13.42
2	3	4	1	5.39	4.91
2	3	6	1	3.68	3.62
2	3	7	1	3.89	4.19
2	4	0	1	3.91	3.89
2	4	1	1	2.06	1.95
2	4	2	1	3.71	4.03
2	4	3	1	14.44	14.35
2	4	4	1	4.71	4.75
2	4	5	1	9.36	8.69
2	4	6	1	3.95	3.59
2	5	1	1	25.37	25.48
2	5	2	1	13.37	12.84
2	5	3	1	5.75	5.13
2	5	4	1	5.84	5.24
2	5	5	1	7.26	7.33
2	5	6	1	13.55	13.71
2	5	8	1	7.48	8.08
2	6	0	1	16.31	15.80
2	6	1	1	54.79	55.12
2	6	2	1	3.73	3.78
2	6	3	1	4.86	4.11
2	6	5	1	4.53	3.97
2	6	6	1	17.44	17.45
2	6	8	1	7.42	7.88
2	7	1	1	31.53	31.54
2	7	2	1	6.24	6.44
2	7	6	1	18.38	18.13
2	7	7	1	16.58	17.25
2	8	0	1	55.22	55.63

H	K	L	GRP	FO	FO
2	8	1	1	16.17	15.76
2	8	5	1	3.33	2.93
2	8	6	1	7.43	7.54
2	8	7	1	4.80	4.22
2	9	1	1	4.01	4.15
2	9	4	1	2.39	1.95
2	9	6	1	3.18	3.15
2	9	7	1	10.71	10.63
2	10	3	1	3.96	3.75
2	10	5	1	4.71	4.91
2	11	1	1	3.78	3.68
2	11	2	1	11.68	11.76
2	11	5	1	3.62	3.45
2	12	1	1	4.67	2.85
2	12	2	1	10.58	10.58
2	12	3	1	6.11	6.46
2	12	4	1	3.70	3.81
2	12	5	1	6.46	6.83
2	13	2	1	5.20	4.82
2	13	3	1	6.29	6.65
2	13	4	1	8.23	8.47
2	13	5	1	3.60	3.74
2	14	1	1	5.08	4.32
2	14	3	1	4.37	4.91
2	14	4	1	5.60	5.65
2	15	3	1	3.12	2.82
2	18	1	1	5.63	6.23
3	-14	0	1	13.45	14.75
3	-14	1	1	6.51	6.63
3	-14	4	1	4.12	4.23
3	-13	1	1	4.56	4.59
3	-12	0	1	8.24	8.87
3	-12	1	1	4.96	3.85
3	-12	2	1	5.83	5.69
3	-12	3	1	6.85	6.92
3	-11	1	1	8.14	6.85
3	-11	4	1	5.25	5.74
3	-11	5	1	4.24	3.58
3	-11	6	1	4.99	4.75
3	-11	8	1	9.79	9.44
3	-10	1	1	4.10	2.48
3	-10	2	1	6.56	5.94
3	-10	3	1	3.43	3.84
3	-10	6	1	4.78	4.94
3	-9	1	1	3.23	3.66
3	-9	2	1	11.84	12.28
3	-9	3	1	12.62	12.91
3	-9	4	1	17.55	17.91
3	-9	5	1	2.78	3.19
3	-8	0	1	6.43	6.73
3	-8	1	1	4.25	4.87
3	-8	3	1	21.88	22.45
3	-8	4	1	24.45	25.65

H	K	L	RP	FO	FO
3	-8	5	1	6.92	6.21
3	-7	2	1	2.56	2.52
3	-7	3	1	34.68	35.56
3	-7	4	1	12.70	12.62
3	-7	5	1	3.69	3.61
3	-6	0	1	5.68	5.32
3	-6	1	1	8.67	8.92
3	-6	3	1	7.90	7.88
3	-6	4	1	16.82	19.81
3	-5	3	1	6.98	6.91
3	-5	4	1	3.65	3.35
3	-5	6	1	4.16	4.34
3	-4	0	1	2.50	2.57
3	-4	2	1	6.95	7.13
3	-4	4	1	5.89	5.75
3	-4	5	1	8.04	7.71
3	-4	6	1	4.16	4.74
3	-3	1	1	16.82	15.79
3	-3	2	1	7.13	7.21
3	-3	3	1	4.04	4.33
3	-3	4	1	2.63	2.75
3	-3	6	1	4.69	5.73
3	-2	0	1	25.02	25.37
3	-2	1	1	24.01	24.53
3	-2	2	1	2.98	3.52
3	-2	6	1	6.33	6.59
3	-1	1	1	7.15	6.98
3	-1	2	1	4.89	4.42
3	-1	3	1	2.52	2.72
3	-1	4	1	3.61	3.48
3	-1	5	1	4.22	3.21
3	-1	6	1	5.36	5.55
3	-1	7	1	10.36	11.21
3	-1	8	1	24.63	24.72
3	-1	9	1	7.00	7.54
3	-1	10	1	7.50	7.16
3	-1	11	1	4.81	5.05
3	-1	12	1	3.13	3.14
3	1	1	1	2.71	3.06
3	2	0	1	7.67	7.18
3	2	1	1	5.13	5.12
3	2	2	1	10.26	9.95
3	2	4	1	3.99	4.35
3	3	2	1	12.81	12.55
3	3	4	1	7.84	7.27
3	3	5	1	7.23	7.57
3	3	6	1	2.89	1.95
3	4	1	1	2.65	2.51
3	4	2	1	11.40	11.71
3	4	3	1	13.64	13.45
3	4	4	1	7.13	7.37
3	4	5	1	4.97	5.33
3	5	2	1	3.16	2.63

H	K	L	RP	FO	FO
3	5	3	1	15.69	15.44
3	5	4	1	9.27	8.85
3	5	5	1	4.49	4.35
3	6	0	1	8.27	8.02
3	6	1	1	2.88	3.07
3	6	2	1	2.68	1.72
3	6	4	1	8.57	8.54
3	7	1	1	5.39	5.80
3	7	3	1	5.02	5.18
3	7	5	1	5.10	5.18
3	8	0	1	6.31	6.43
3	8	1	1	5.01	5.16
3	8	2	1	9.91	10.02
3	8	3	1	5.32	4.58
3	8	5	1	8.72	8.52
3	9	1	1	13.76	14.39
3	9	2	1	11.86	12.48
3	9	5	1	10.06	9.84
3	9	6	1	8.64	9.15
3	10	0	1	4.16	4.52
3	10	1	1	22.55	24.83
3	10	2	1	7.10	7.64
3	10	5	1	5.56	5.57
3	10	6	1	10.29	10.44
3	11	1	1	15.22	15.97
3	11	2	1	2.99	1.88
3	12	0	1	15.87	16.81
3	12	1	1	6.08	6.43
3	13	1	1	3.56	3.72
3	15	1	1	3.65	3.75
3	15	2	1	5.89	6.21
4	-12	0	1	3.82	3.65
4	-12	1	1	6.68	7.74
4	-12	3	1	3.65	3.82
4	-11	1	1	3.70	4.15
4	-10	0	1	11.23	11.78
4	-10	1	1	5.90	6.24
4	-9	1	1	4.85	4.89
4	-9	3	1	2.70	2.73
4	-9	5	1	3.77	4.41
4	-8	0	1	6.99	7.32
4	-8	1	1	3.43	3.78
4	-8	2	1	5.96	5.83
4	-8	3	1	3.52	4.25
4	-7	2	1	5.94	6.15
4	-6	0	1	5.83	4.55
4	-6	1	1	3.31	3.36
4	-6	2	1	11.71	12.33
4	-6	3	1	5.64	6.39
4	-6	5	1	8.24	9.11
4	-5	2	1	15.82	15.88
4	-5	3	1	9.85	9.48
4	-5	4	1	15.85	16.53

H	K	L	GRP	F0	F5
4	-5	5	1	9.11	9.58
4	-4	1	1	3.75	3.55
4	-4	2	1	7.92	7.44
4	-4	3	1	17.52	17.77
4	-4	4	1	18.33	18.15
4	-4	5	1	6.52	6.67
4	-3	3	1	28.58	28.32
4	-3	4	1	12.48	11.82
4	-3	6	1	2.93	3.15
4	-2	8	1	5.93	6.58
4	-2	3	1	4.68	4.71
4	-2	4	1	8.32	7.92
4	-1	1	1	2.79	2.45
4	-1	2	1	3.64	3.23
4	-1	5	1	3.88	3.49
4	0	1	1	6.48	6.49
4	0	2	1	2.44	1.55
4	0	3	1	2.58	2.55
4	0	4	1	4.45	3.64
4	0	5	1	6.58	6.27
4	1	1	1	11.84	10.95
4	1	2	1	6.17	5.77
4	1	6	1	5.85	5.51
4	2	8	1	6.67	6.69
4	2	1	1	15.28	15.58
4	2	6	1	4.25	4.65
4	3	1	1	3.95	4.24
4	3	2	1	2.82	2.49
4	3	6	1	2.96	3.58
4	4	8	1	5.47	5.81
4	6	8	1	3.62	3.13
4	6	2	1	7.66	7.59
4	7	2	1	8.13	7.34
4	7	4	1	2.78	3.24
4	7	5	1	5.19	5.25
4	8	2	1	5.79	6.18
4	8	3	1	5.45	5.83
4	8	4	1	5.64	5.61
4	9	3	1	6.68	6.51
4	9	4	1	4.93	5.23
4	11	1	1	2.71	2.13
4	12	8	1	3.91	3.53
4	12	2	1	8.52	9.11
5	-3	8	1	3.78	3.58
5	-8	1	1	5.78	5.35
5	-5	2	1	3.18	3.13
5	-7	1	1	5.83	5.78
5	-6	8	1	8.92	9.31
5	-4	8	1	6.83	5.73
5	-3	1	1	5.38	4.13
5	-3	2	1	6.66	6.51
5	-3	3	1	2.84	3.28
5	-2	2	1	11.87	12.55

H	K	L	GRP	F0	F5
5	-2	3	1	4.13	3.85
5	-1	2	1	12.34	12.88
5	-1	3	1	4.88	5.35
5	-1	4	1	10.58	9.51
5	0	2	1	7.98	7.87
5	0	3	1	8.73	8.31
5	0	4	1	18.17	18.51
5	1	3	1	9.48	9.21
5	1	4	1	3.52	3.31
5	4	2	1	4.78	5.01
5	5	1	1	5.89	5.41
5	5	2	1	4.11	4.81
5	5	1	1	6.87	6.11