

H	K	L	GRP	FD	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC
4	-16	-4	1	30.07	32.12	-32.08	-1.62	.52137	-2.04	-6.05	183
4	-16	-3	1	32.24	34.72	-34.72	-.20	.49529	-2.48	-7.21	181
4	-16	-2	1	108.58	113.07	-113.05	-2.25	.48129	-4.50	-5.23	182
4	-16	-1	1	2.95	2.88	2.87	-.11	.48043	.07	.03	358
4	-16	0	1	16.17	19.26	-19.23	-1.03	.49277	-3.09	-6.48	184
4	-16	1	1	18.89	19.92	-19.91	-.34	.51737	-1.02	-2.37	181
4	-16	2	1	35.11	37.25	-37.23	-1.37	.55259	-2.14	-6.12	183
4	-16	3	1	5.58	6.51	-6.51	-.18	.59656	-.93	-.64	182
4	-16	4	1	58.95	61.03	-61.02	-1.15	.64750	-2.08	-3.58	182
4	-16	5	1	12.88	13.48	-13.48	-.14	.70390	-.60	-.74	181
4	-15	-8	1	3.65	5.99	5.99	.20	.69613	-2.34	-.90	181
4	-15	-7	1	4.98	4.17	-4.17	-.08	.63787	.81	.49	182
4	-15	-6	1	13.80	12.94	12.93	.41	.58480	.86	1.46	1
4	-15	-5	1	7.75	4.60	4.60	.00	.53847	3.15	3.64	0
4	-15	-4	1	25.41	25.25	25.24	.68	.50075	.15	.46	1
4	-15	-3	1	7.10	5.97	-5.97	-.05	.47370	1.13	1.36	181
4	-15	-2	1	2.93	5.34	5.30	.65	.45921	-2.41	-1.15	6
4	-15	-1	1	6.24	3.04	3.04	.01	.45847	3.20	3.50	0
4	-15	0	1	25.98	27.04	27.02	1.03	.47155	-1.06	-3.15	2
4	-15	1	1	2.99	.04	.04	.00	.47155	2.96	1.38	2
4	-15	2	1	23.34	25.30	25.33	.83	.53404	-2.00	-5.07	1
4	-15	3	1	3.26	2.00	2.00	.09	.49735	1.27	1.35	2
4	-15	4	1	14.93	14.07	14.05	.77	.63199	.86	.79	3
4	-15	5	1	11.67	10.98	10.97	.26	.68976	.69	.43	1
4	-14	-8	1	61.43	62.70	62.68	1.84	.68141	-1.27	-2.41	1
4	-14	-7	1	30.38	30.42	30.42	.43	.62189	-.05	-.12	0
4	-14	-6	1	14.19	14.25	14.17	1.45	.56747	-.06	-.11	5
4	-14	-5	1	14.55	15.51	15.51	.21	.51975	-.95	-1.91	0
4	-14	-4	1	38.80	39.08	39.05	1.47	.48072	-.29	-.77	2
4	-14	-3	1	26.35	26.21	-26.21	.01	.45264	.14	.43	2
4	-14	-2	1	91.93	96.50	96.49	1.93	.43762	-4.57	-5.68	179
4	-14	-1	1	28.27	32.25	32.25	.29	.43702	-3.99	-12.14	0
4	-14	0	1	15.09	14.00	-13.99	.62	.45089	1.09	2.43	177
4	-14	1	1	9.75	11.23	11.22	.38	.47797	-1.48	-2.17	1
4	-14	2	1	44.87	47.11	47.10	1.12	.51618	-2.24	-4.99	1
4	-14	3	1	18.15	18.89	18.88	.33	.56328	-.74	-1.54	0
4	-14	4	1	8.96	8.99	8.99	.37	.61721	-.03	-.03	2
4	-14	5	1	24.95	23.58	-23.58	-.15	.67636	1.37	2.82	181
4	-13	-8	1	5.21	.97	-.96	-.17	.66742	4.24	2.46	190
4	-13	-7	1	8.07	2.07	-2.07	-.02	.60666	6.00	6.14	181
4	-13	-6	1	8.95	6.86	-6.85	-.38	.55087	2.09	2.68	181
4	-13	-5	1	4.97	1.89	1.89	-.01	.50172	3.09	2.47	184
4	-13	-4	1	19.85	21.68	-21.68	-.55	.46133	-1.84	-4.87	0
4	-13	-3	1	2.78	1.33	-1.33	-.05	.43217	1.45	.73	182
4	-13	-2	1	9.50	8.74	-8.72	-.60	.41660	.76	1.28	184
4	-13	-1	1	3.54	2.59	-2.59	-.14	.41615	.95	.61	183
4	-13	0	1	21.85	22.06	-22.05	-.14	.45929	-2.21	-.61	182
4	-13	1	1	2.90	.22	-.18	-.51	.49909	2.67	1.29	219
4	-13	2	1	11.17	9.53	-9.52	-.07	.54779	1.64	2.66	184
4	-13	3	1	3.16	1.70	-1.70	-.48	.60324	-.34	-.65	358
4	-13	4	1	15.03	15.36	-15.36	-.48	.66375	-.29	-.37	182
4	-13	5	1	13.17	13.46	-13.46	-.22	.65421	-2.18	-4.25	181
4	-12	-8	1	20.67	22.85	-22.82	-.33	.59222	1.25	3.06	183
4	-12	-7	1	40.93	39.68	-39.68	.33	.53507	-1.47	-2.99	0
4	-12	-6	1	56.67	58.14	-58.12	-1.51	.48447	1.47	1.98	0
4	-12	-5	1	20.63	19.90	19.90	-.18	.48447	.74	1.98	0

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINTH/LW	DF	W*DF	ANGLE CALC
4	-12	-4	1	67.26	69.53	-69.52	-1.43	.44268	-2.27	-3.85	182
4	-12	-3	1	61.80	65.78	-65.78	-.61	.41239	-3.98	-7.06	181
4	-12	-2	1	32.26	31.07	31.07	-.08	.39623	1.19	3.47	0
4	-12	-1	1	11.87	11.95	-11.95	-.36	.39595	-.05	-.18	182
4	-12	0	1	19.15	22.35	-22.35	-.17	.41157	-3.20	-8.85	183
4	-12	1	1	27.43	27.56	27.56	.17	.44141	-.13	-.39	0
4	-12	2	1	14.38	13.13	-13.13	-.17	.48285	1.25	2.55	181
4	-12	3	1	14.06	13.96	-13.96	-.37	.53318	.10	.18	182
4	-12	4	1	4.50	2.55	-2.55	.18	.59013	1.95	1.12	4
4	-12	5	1	26.54	27.02	-27.02	-.52	.65198	-1.06	-1.06	182
4	-11	-6	1	5.25	2.60	2.60	.18	.64181	-.48	1.67	3
4	-11	-7	1	3.18	.09	.07	.05	.57863	3.10	1.36	37
4	-11	-6	1	9.04	7.59	7.58	.30	.52013	1.44	1.94	2
4	-11	-5	1	5.60	2.67	-2.67	.07	.46808	2.94	2.84	178
4	-11	-4	1	2.73	.65	.59	.26	.42486	2.08	1.07	23
4	-11	-3	1	8.55	7.67	7.66	.16	.39339	.88	1.43	1
4	-11	-2	1	3.73	1.89	-1.86	.34	.37662	1.85	1.43	169
4	-11	-1	1	8.54	9.69	-9.69	.09	.37653	-1.16	-1.92	179
4	-11	0	1	7.91	10.33	-10.33	.08	.39312	-2.41	-3.48	179
4	-11	1	1	3.95	1.23	1.22	.19	.42444	2.71	1.88	8
4	-11	2	1	11.01	10.21	10.21	.13	.46754	.80	1.31	0
4	-11	3	1	10.64	9.79	9.79	.27	.51950	.32	.45	1
4	-11	4	1	10.64	9.33	-9.32	-.19	.57794	1.31	1.76	182
4	-11	5	1	13.80	14.55	-14.55	-.02	.64108	-.75	-1.09	181
4	-10	-9	1	15.06	15.90	15.90	.26	.69790	-.84	-1.24	0
4	-10	-8	1	40.37	42.19	42.18	.99	.63029	-1.83	-4.55	1
4	-10	-7	1	9.03	8.89	8.88	.24	.56595	.15	.18	1
4	-10	-6	1	6.99	9.84	-9.83	.37	.50614	-2.85	-3.05	177
4	-10	-5	1	69.71	73.53	73.52	.70	.45266	-3.82	-6.42	0
4	-10	-4	1	31.06	32.50	32.50	.50	.40799	-1.44	-4.41	0
4	-10	-3	1	45.63	46.91	46.91	-.12	.37531	-1.28	-2.82	181
4	-10	-2	1	47.93	48.10	48.10	.14	.35790	-.17	-.39	0
4	-10	-1	1	24.90	27.47	27.47	.29	.35801	-2.58	-8.22	0
4	-10	0	1	13.99	14.62	14.62	-.02	.37562	-.63	-1.44	0
4	-10	1	1	58.91	60.01	60.00	.65	.40848	-1.10	-1.93	0
4	-10	2	1	30.51	28.90	-28.88	-.82	.45327	1.61	4.91	182
4	-10	3	1	28.37	26.99	-26.99	-.25	.50685	1.38	4.08	181
4	-10	4	1	14.62	16.15	16.15	-.02	.56672	-1.52	-2.63	0
4	-10	5	1	31.41	32.47	32.47	.24	.63110	-1.06	-2.67	0
4	-10	6	1	22.25	20.89	-20.88	-.76	.69875	1.36	2.52	183
4	-9	-9	1	5.92	4.66	4.66	.03	.68823	1.26	.80	0
4	-9	-8	1	3.33	3.52	3.51	-.14	.61968	-.19	-.08	358
4	-9	-7	1	6.38	2.87	2.87	-.07	.55425	3.50	3.33	359
4	-9	-6	1	2.91	2.23	-2.23	-.12	.49318	.68	.33	183
4	-9	-5	1	6.74	7.46	7.46	-.10	.43829	-.72	-.89	0
4	-9	-4	1	6.79	.83	-.83	-.07	.39218	5.96	8.38	186
4	-9	-3	1	9.33	7.75	-7.75	-.19	.35827	1.58	3.07	182
4	-9	-2	1	33.20	35.98	35.98	.19	.34021	-2.78	-7.69	0
4	-9	-1	1	6.89	5.59	-5.59	-.20	.34055	1.29	1.94	183
4	-9	0	1	15.85	18.40	18.40	.24	.35923	-2.55	-6.55	0
4	-9	1	1	13.68	14.97	14.97	-.08	.39365	-1.28	-2.97	0
4	-9	2	1	6.82	7.72	7.71	.39	.44013	-.90	-1.01	2
4	-9	3	1	2.98	1.84	-1.83	-.20	.49528	1.14	.54	187
4	-9	4	1	28.83	30.51	30.50	.76	.55654	-1.68	-4.53	1
4	-9	5	1	3.45	.54	-.91	-.21	.62210	2.51	1.02	193
4	-9	6	1	18.07	17.85	17.84	.71	.69074	.21	.35	2

ANGLE  
STAT

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	-8	-9	1	32.12	31.57	31.57	.39	.67945	.55	1.35	182	
4	-8	-8	1	4.13	.36	.30	-.20	.61004	3.78	2.05	327	
4	-8	-7	1	36.56	37.41	-37.40	-.70	.54359	-.86	-2.36	182	
4	-8	-6	1	9.63	8.18	8.18	.22	.48132	1.45	2.34	182	
4	-8	-5	1	4.64	6.27	-6.27	-.19	.42508	-1.78	-1.47	182	
4	-8	-4	1	36.34	35.47	35.46	.80	.37757	.87	2.35	182	
4	-8	-3	1	38.76	38.35	-38.35	-.38	.34243	.41	1.08	181	
4	-8	-2	1	57.25	57.93	-57.93	.09	.32373	-.68	-1.40	179	
4	-8	-1	1	38.86	38.86	38.86	.02	.32432	-.22	-.57	0	
4	-8	0	1	132.46	133.04	133.03	1.56	.34410	-.58	-.86	0	
4	-8	1	1	4.55	4.79	-4.79	-.16	.38009	-.24	-.21	182	
4	-8	2	1	5.53	5.32	-5.27	.73	.42822	.21	.21	172	
4	-8	3	1	21.52	20.54	-20.54	-.22	.48489	.98	2.62	181	
4	-8	4	1	25.32	24.92	24.90	1.02	.54745	.40	1.02	181	
4	-8	5	1	23.05	23.50	23.50	.23	.61410	-.44	-.98	2	
4	-8	6	1	16.81	16.04	16.02	.82	.68366	.77	1.20	0	
4	-7	-9	1	3.50	9.09	-9.09	.03	.57160	2.23	.89	178	
4	-7	-8	1	7.48	7.48	7.48	.02	.60141	-1.61	-1.49	179	
4	-7	-7	1	4.45	3.55	-3.55	.07	.53403	.90	.64	178	
4	-7	-6	1	2.83	2.20	-2.20	-.04	.47066	.63	.31	182	
4	-7	-5	1	4.92	2.99	2.98	.13	.41315	1.93	1.83	2	
4	-7	-4	1	9.23	9.92	-9.92	-.19	.36429	-.70	-1.36	182	
4	-7	-3	1	14.19	17.30	-17.30	.07	.32797	-3.11	-9.13	179	
4	-7	-2	1	31.46	37.39	-37.39	-.52	.30864	-5.94	-14.58	181	
4	-7	-1	1	3.08	.61	-.58	.18	.30950	2.47	1.89	163	
4	-7	0	1	23.18	25.92	-25.92	-.65	.33040	-2.74	-8.40	182	
4	-7	1	1	12.10	10.58	10.58	.26	.36794	1.52	3.35	182	
4	-7	2	1	38.16	39.72	-39.72	-.99	.41765	-1.56	-3.86	182	
4	-7	3	1	2.97	6.82	-6.82	.04	.47574	-3.85	-1.81	179	
4	-7	4	1	16.39	16.74	-16.74	-.85	.53950	-.35	-.69	183	
4	-7	5	1	12.63	10.95	10.95	.17	.60716	1.67	2.47	0	
4	-7	6	1	38.32	39.63	-39.63	-1.20	.67754	-1.31	-3.35	182	
4	-6	-9	1	17.19	15.26	15.25	.55	.66471	1.92	3.41	2	
4	-6	-8	1	24.55	23.60	-23.60	-1.02	.59384	.95	2.34	183	
4	-6	-7	1	11.54	11.81	11.80	.39	.52563	-.26	-.44	1	
4	-6	-6	1	21.89	22.96	-22.95	-.67	.46128	-1.07	-3.14	182	
4	-6	-5	1	86.58	88.06	-88.06	-.48	.40262	-1.48	-1.95	181	
4	-6	-4	1	16.20	12.16	-12.16	-1.25	.35251	4.04	12.19	186	
4	-6	-3	1	46.43	45.67	45.67	.56	.31507	.75	1.88	0	
4	-6	-2	1	169.59	170.25	-170.24	-1.88	.29516	-.66	-1.08	181	
4	-6	-1	1	59.11	59.33	59.33	.42	.29632	-.22	-.49	0	
4	-6	0	1	78.28	77.10	-77.09	-1.59	.31832	1.18	1.77	182	
4	-6	1	1	71.93	72.94	-72.94	-.51	.35734	-1.01	-1.41	181	
4	-6	2	1	33.67	33.30	33.29	-.82	.40854	.37	1.05	359	
4	-6	3	1	4.10	3.51	3.50	.20	.46792	.59	.40	3	
4	-6	4	1	106.54	107.03	-107.01	-2.00	.53276	-.43	-.46	182	
4	-6	5	1	18.54	19.11	-19.10	-.12	.60130	-.57	-1.11	181	
4	-6	6	1	9.78	7.99	-7.94	-.84	.67241	1.79	1.79	187	
4	-5	-9	1	3.44	.72	.72	-.05	.65882	2.72	1.11	357	
4	-5	-8	1	8.23	8.88	8.88	.05	.58737	-.65	-.71	0	
4	-5	-7	1	5.81	6.25	6.25	-.02	.45325	-.44	-.41	0	
4	-5	-6	1	5.06	6.08	6.07	.19	.51846	-1.02	-.91	1	
4	-5	-5	1	4.47	.49	.48	-.10	.39358	3.98	3.65	349	
4	-5	-4	1	27.42	27.94	27.94	.52	.34238	-.53	-1.87	1	
4	-5	-3	1	2.82	1.21	-1.21	-.13	.30395	1.61	1.16	187	
4	-5	-2	1	42.40	47.34	47.33	.75	.28351	-4.94	-12.70	0	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	M*DF	ANGLE CALC	ANGLE STAT
4	-5	-1	1	6.28	9.05	9.05	-.09	.28499	-2.77	-4.55	181	
4	-5	0	1	42.73	46.21	46.20	1.00	.30805	-3.48	-8.42	0	
4	-5	1	1	5.90	6.02	6.02	-.11	.34844	-.12	-.14	1	
4	-5	1	1	30.55	31.81	31.79	1.18	.40096	-1.26	-3.98	359	
4	-5	3	1	6.41	3.10	-3.10	-.15	.46149	3.31	5.53	2	
4	-5	4	1	38.30	40.16	40.14	1.26	.52726	-1.86	-4.46	183	
4	-5	5	1	3.78	2.03	2.03	-.05	.59656	1.75	.83	1	
4	-5	6	1	27.19	29.92	29.90	1.21	.66829	-2.73	-.83	359	
4	-4	-9	1	27.36	26.58	-26.57	-.48	.65395	.78	1.81	2	
4	-4	-8	1	31.05	31.24	31.22	1.23	.58203	-.19	-1.81	182	
4	-4	-7	1	42.45	42.70	42.70	.39	.51255	-.25	-.61	2	
4	-4	-6	1	105.27	101.85	101.83	2.15	.44664	3.42	4.24	0	
4	-4	-5	1	108.25	106.36	-106.35	-.92	.38616	1.90	2.60	1	
4	-4	-4	1	33.91	30.35	-30.31	1.51	.33405	3.56	10.25	181	
4	-4	-3	1	62.48	60.84	60.83	.30	.29478	1.64	2.56	177	
4	-4	-2	1	112.99	113.05	113.03	2.11	.27344	-.06	-.10	0	
4	-4	-1	1	25.70	29.00	29.00	.16	.27574	-3.30	-11.53	1	
4	-4	0	1	12.92	15.91	15.82	1.60	.29977	-2.99	-8.11	5	
4	-4	1	1	35.91	34.50	-34.50	-.39	.34137	1.41	3.95	5	
4	-4	2	1	148.53	150.52	150.51	2.36	.39502	-1.99	-2.71	181	
4	-4	3	1	16.92	16.06	-16.06	.16	.45650	.86	2.08	0	
4	-4	4	1	28.22	26.67	-26.66	.74	.52305	1.55	4.32	179	
4	-4	5	1	9.92	11.60	11.60	.19	.59297	-1.68	-2.01	178	
4	-4	6	1	26.66	27.81	27.78	1.09	.66519	-1.15	-2.51	0	
4	-3	-9	1	6.55	5.20	5.20	-.04	.65012	1.36	1.06	2	
4	-3	-8	1	3.69	4.75	4.75	-.06	.57785	-1.06	-.54	181	
4	-3	-7	1	6.52	2.64	-2.64	.00	.50795	3.88	4.12	179	
4	-3	-6	1	9.93	8.28	-8.28	-.35	.44153	1.65	2.90	183	
4	-3	-5	1	7.60	7.37	-7.37	.02	.38044	.23	.37	179	
4	-3	-4	1	32.24	30.58	-30.58	-.65	.32765	1.66	5.19	182	
4	-3	-3	1	8.65	6.47	6.47	.10	.28777	2.18	4.69	182	
4	-3	-2	1	64.50	67.11	-67.10	-.97	.26667	-2.61	-4.32	181	
4	-3	-1	1	4.04	3.03	-3.03	.11	.26880	1.01	1.14	177	
4	-3	0	1	57.71	58.37	-58.36	-1.20	.29366	-.66	-1.01	182	
4	-3	1	1	9.91	11.34	-11.34	-.01	.33624	-1.43	-2.93	181	
4	-3	2	1	11.02	10.12	-10.06	-1.05	.39079	.90	1.75	186	
4	-3	3	1	5.65	2.58	-2.57	.10	.45301	3.07	2.98	186	
4	-3	4	1	49.64	51.67	-51.65	-1.44	.52016	-2.03	-4.55	177	
4	-3	5	1	3.40	1.83	-1.83	.05	.59054	1.56	.71	182	
4	-3	6	1	34.04	34.47	-34.45	-1.20	.66315	-.43	-1.07	182	
4	-2	-9	1	14.98	14.91	-14.91	-.10	.64735	.07	.11	182	
4	-2	-8	1	43.70	44.01	-43.98	-1.69	.57487	-.31	-.76	181	
4	-2	-7	1	3.19	1.72	1.72	.02	.50470	1.48	.78	183	
4	-2	-6	1	79.85	74.81	-74.77	-2.27	.43797	5.04	6.14	182	
4	-2	-5	1	32.07	29.06	29.06	.33	.37650	3.01	8.54	182	
4	-2	-4	1	96.87	89.77	-89.74	-2.27	.32330	7.10	10.70	0	
4	-2	-3	1	61.58	61.54	-61.54	-.20	.28308	.05	.08	182	
4	-2	-2	1	100.66	95.90	-95.87	-2.19	.26189	4.76	8.26	181	
4	-2	-1	1	21.02	19.32	19.32	.04	.26434	1.70	6.70	182	
4	-2	0	1	46.29	47.90	-47.87	-1.65	.28984	-1.61	-3.33	0	
4	-2	1	1	26.53	25.41	25.40	.15	.33314	1.13	3.40	182	
4	-2	2	1	80.07	80.65	-80.63	-1.92	.38832	-.58	-.76	0	
4	-2	3	1	50.97	53.86	-53.86	-.37	.45105	-2.89	-5.70	182	
4	-2	4	1	31.81	32.81	-32.80	-1.05	.51860	-1.00	-2.62	181	
4	-2	5	1	25.57	25.55	25.55	.20	.58930	.01	.04	0	
4	-2	6	1	20.33	20.62	-20.59	-.94	.66216	-.29	-.54	183	

H	K	L	GRP	FD	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
4	-1	-9	1	7.17	6.71	6.71	.08	.64566	.46	.40	0	
4	-1	-8	1	8.28	9.13	9.13	.17	.57310	-.85	-.95	0	
4	-1	-7	1	3.55	2.95	-2.95	-.02	.50283	.61	.35	1	
4	-1	-6	1	6.73	5.67	5.65	.40	.43599	1.07	1.33	181	
4	-1	-5	1	6.45	4.85	4.85	.01	.37439	1.60	2.25	0	
4	-1	-4	1	27.59	22.96	22.95	.68	.32108	4.63	17.66	0	
4	-1	-3	1	10.97	10.42	10.42	.01	.28081	.55	1.53	1	
4	-1	-2	1	63.18	61.82	61.82	.96	.25973	1.36	2.30	0	
4	-1	-1	1	4.16	3.71	-3.71	-.02	.26242	.44	.53	181	
4	-1	0	1	32.17	31.55	31.55	1.07	.28842	.62	1.67	1	
4	-1	1	1	4.56	2.95	-2.95	-.12	.33213	1.61	1.65	183	
4	-1	2	1	42.01	43.11	43.09	1.20	.38765	-1.09	-2.59	1	
4	-1	3	1	13.59	14.25	-14.25	-.06	.45064	-.66	-1.35	181	
4	-1	4	1	20.19	19.67	19.64	.98	.51839	.52	1.27	2	
4	-1	5	1	8.70	11.26	11.26	.06	.58925	-2.56	-2.66	0	
4	0	-6	1	22.72	22.32	22.31	.92	.66222	.39	.78	2	
4	0	-7	1	29.37	33.08	33.08	.25	.64505	-3.71	-9.24	0	
4	0	-8	1	113.40	120.20	120.17	2.70	.57254	-6.80	-7.07	1	
4	0	-9	1	41.73	42.11	-42.10	-.70	.50235	-.38	-.92	181	
4	0	-6	1	9.71	11.43	11.30	1.72	.43561	-1.71	-2.96	8	
4	0	-5	1	122.78	122.66	122.66	.91	.37415	.12	.17	0	
4	0	-4	1	117.57	106.19	106.17	2.18	.32104	11.39	17.56	1	
4	0	-3	1	119.41	112.17	-112.17	-.54	.28103	7.24	12.00	181	
4	0	-2	1	155.66	154.49	154.48	2.07	.26026	11.17	19.59	0	
4	0	-1	1	53.24	52.72	52.72	-.16	.26331	.51	1.20	0	
4	0	0	1	147.08	147.58	147.57	2.19	.28942	-.50	-.83	0	
4	0	1	1	62.25	66.95	66.95	.55	.33323	-4.70	-6.63	0	
4	0	2	1	36.06	34.62	-34.61	.46	.38879	1.45	3.75	179	
4	0	3	1	13.57	16.05	16.05	-.09	.45179	-2.48	-5.24	0	
4	0	4	1	55.30	57.22	57.21	1.32	.51953	-1.92	-3.46	0	
4	0	5	1	3.90	5.16	-5.16	-.05	.59038	-1.26	-.62	1	
4	0	6	1	26.21	27.19	27.19	.56	.66334	-.98	-2.09	181	
4	0	7	1	3.38	1.85	-1.85	-.07	.64553	1.53	.63	183	
4	0	8	1	8.31	4.72	-4.71	-.18	.57321	3.59	4.08	183	
4	0	9	1	6.08	.86	.86	-.03	.50327	5.23	5.43	358	
4	0	-6	1	5.52	3.21	-3.18	-.38	.43684	2.31	2.50	187	
4	0	-5	1	3.49	2.74	-2.74	-.04	.37578	.75	.56	181	
4	0	-4	1	29.38	26.46	-26.45	-.66	.32317	2.92	9.77	182	
4	0	-3	1	5.05	2.18	2.18	.01	.28374	2.91	4.16	0	
4	0	-2	1	48.66	47.45	-46.44	-.84	.26347	2.21	5.02	182	
4	0	-1	1	2.48	1.09	-1.09	.01	.26676	1.35	.99	179	
4	0	0	1	19.55	17.52	-17.50	-.77	.29283	2.03	7.40	183	
4	0	1	1	5.82	6.44	6.44	.04	.33642	-.62	-.80	0	
4	0	2	1	20.00	18.94	-18.92	-.87	.39172	1.06	3.18	183	
4	0	3	1	2.86	.92	-.92	.03	.45448	1.94	.95	178	
4	0	4	1	16.96	17.33	-17.32	-.68	.52202	-.37	-.77	183	
4	0	5	1	11.80	12.93	12.93	.15	.59270	-1.13	-1.58	0	
4	0	6	1	14.44	13.36	-13.35	-.55	.66552	1.08	1.55	183	
4	0	7	1	5.25	5.89	-5.89	-.05	.64709	-.63	-.40	181	
4	0	8	1	36.29	40.90	-40.87	-1.65	.57511	-4.61	-11.75	183	
4	0	9	1	5.99	2.98	-2.97	-.13	.50557	3.01	3.06	183	
4	0	-6	1	46.61	49.00	-48.96	-1.94	.43966	-2.39	-5.47	183	
4	0	-5	1	22.09	20.33	20.33	.28	.37926	1.76	6.07	0	
4	0	-4	1	125.35	118.31	-118.29	-2.13	.32744	8.04	12.17	182	
4	0	-3	1	60.95	60.66	-60.66	-.07	.28866	.29	.45	181	
4	0	-2	1	43.73	36.73	36.72	-.86	.26925	7.00	19.02	359	

H	K	L	GRP	FD	FC	A	B	SINH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	2	-1	1	19.75	16.57	16.57	-.24	.27275	3.18	12.85	0	
4	2	0	1	55.75	57.69	-57.68	-1.19	.29855	-1.95	-2.91	0	
4	2	1	1	28.27	27.81	27.81	.31	.34163	.45	1.48	0	
4	2	2	1	73.79	78.66	-78.65	-.95	.39640	-4.87	-6.35	0	
4	2	3	1	36.58	37.15	37.15	.27	.45869	-.57	-1.53	0	
4	2	4	1	7.81	6.15	6.15	-.29	.52583	1.66	1.71	0	
4	2	5	1	58.00	59.34	-59.33	-.65	.59618	-1.34	-2.48	0	
4	2	6	1	17.14	16.14	16.14	.21	.66874	.99	1.59	0	
4	3	-9	1	5.62	3.95	-3.95	.04	.64973	1.68	1.15	0	
4	3	-8	1	3.88	.40	-.38	.13	.57821	3.47	1.89	0	
4	3	-7	1	3.68	.91	-.91	.09	.50925	2.77	1.70	0	
4	3	-6	1	5.66	5.69	-5.68	.09	.44405	-.03	-.03	0	
4	3	-5	1	4.84	3.35	-3.35	.01	.38454	1.50	1.55	0	
4	3	-4	1	19.34	16.05	16.04	.46	.33377	3.29	11.48	0	
4	3	-3	1	2.26	1.61	-1.61	.02	.29626	.66	.41	0	
4	3	-2	1	39.16	38.07	38.06	.58	.27745	1.10	2.85	0	
4	3	-1	1	2.29	6.29	-6.29	-.06	.28112	-4.00	-2.45	0	
4	3	0	1	10.28	9.00	8.99	.51	.30647	1.28	2.80	0	
4	3	1	1	2.56	1.87	-1.87	.01	.34879	.69	.38	0	
4	3	2	1	19.62	20.81	-20.81	.23	.40277	-1.19	-3.46	0	
4	3	3	1	6.68	4.77	4.77	-.02	.46437	1.92	2.08	0	
4	3	4	1	17.50	16.94	16.94	.31	.53093	.56	1.20	0	
4	3	5	1	14.85	16.29	-16.29	-.18	.60082	-1.44	-2.36	0	
4	3	6	1	3.63	3.69	3.69	.13	.67299	-.06	-.02	0	
4	4	-9	1	24.02	24.68	-24.68	-.38	.65344	-.66	-1.43	0	
4	4	-8	1	29.21	33.55	33.52	1.27	.58249	-4.34	-11.69	0	
4	4	-7	1	41.10	44.09	44.08	.58	.51426	-2.99	-7.86	0	
4	4	-6	1	43.98	46.74	46.71	1.47	.44996	-2.76	-6.93	0	
4	4	-5	1	55.83	54.87	-54.86	-.62	.39154	.96	1.76	0	
4	4	-4	1	30.21	28.64	-28.63	.57	.34203	1.57	4.66	0	
4	4	-3	1	14.36	14.65	14.65	.17	.30579	-.29	-.92	0	
4	4	-2	1	95.04	92.88	92.87	1.14	.28787	2.17	3.52	0	
4	4	-1	1	6.52	11.02	11.02	-.04	.29167	-4.50	-7.11	0	
4	4	0	1	34.00	34.66	-34.66	-.11	.31641	-.66	-1.72	0	
4	4	1	1	4.13	2.74	-2.74	.14	.35776	1.39	1.21	0	
4	4	2	1	49.96	53.39	53.39	.40	.41075	-.38	-.77	0	
4	4	3	1	2.96	1.77	1.77	.10	.47147	1.19	.56	0	
4	4	4	1	56.79	57.17	-57.16	-.57	.53729	-.38	-.77	0	
4	4	5	1	25.86	25.27	-25.27	-.39	.60657	.59	1.40	0	
4	4	6	1	21.91	21.74	21.74	-.08	.67824	.17	.33	0	
4	5	-9	1	8.86	6.79	6.79	.01	.65819	2.08	2.13	0	
4	5	-8	1	3.17	3.87	3.86	-.14	.58795	-.69	-.31	0	
4	5	-7	1	3.30	1.23	1.22	-.05	.52057	2.07	1.10	0	
4	5	-6	1	4.66	1.58	1.56	-.22	.45732	3.08	2.60	0	
4	5	-5	1	5.40	2.80	2.80	-.02	.40017	2.60	2.91	0	
4	5	-4	1	10.17	7.61	-7.61	-.23	.35210	2.56	5.52	0	
4	5	-3	1	4.21	5.80	5.80	.01	.31725	-1.59	-1.70	0	
4	5	-2	1	2.38	2.85	2.85	-.13	.30026	-.47	-.28	0	
4	5	-1	1	6.76	7.15	7.15	-.01	.30416	-.38	-.62	0	
4	5	0	1	2.46	4.57	4.57	-.07	.32819	-2.11	-1.20	0	
4	5	1	1	10.14	10.68	10.68	.10	.36843	-.55	-1.08	0	
4	5	2	1	10.46	12.99	12.99	.09	.42026	-2.53	-4.40	0	
4	5	3	1	16.19	19.08	19.08	.16	.47993	-2.89	-6.25	0	
4	5	4	1	8.42	9.95	9.95	.27	.54487	-1.54	-1.72	0	
4	5	5	1	12.10	12.26	-12.26	-.10	.61342	-.16	-.22	0	
4	5	6	1	19.16	20.59	20.58	.51	.68448	-1.43	-2.43	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	6	-9	1	8.36	6.27	-6.27	.00	.66396	2.09	1.93	179	
4	6	-8	1	26.32	28.11	-28.10	-1.02	.59453	-1.79	-4.53	179	
4	6	-7	1	20.93	21.99	-21.98	.49	.52814	-1.06	-2.68	183	
4	6	-6	1	39.92	44.01	-44.01	.45	.46608	-4.10	-10.62	181	
4	6	-5	1	35.71	36.08	-36.08	.37	.41034	-.37	-1.12	181	
4	6	-4	1	10.08	9.22	-9.22	.29	.36381	.85	-1.80	181	
4	6	-3	1	24.82	25.14	-25.14	.06	.33043	-.32	-1.23	181	
4	6	-2	1	51.43	48.82	-48.82	.21	.31441	2.61	5.35	181	
4	6	-1	1	47.02	49.67	-49.66	.61	.31837	-2.64	-6.45	181	
4	6	0	1	7.35	7.84	-7.83	.50	.34162	-2.50	-.75	3	
4	6	1	1	28.96	30.89	-30.89	.12	.38064	-1.94	-5.94	181	
4	6	2	1	48.19	49.24	-49.23	.85	.43118	-1.05	-2.39	0	
4	6	3	1	64.53	66.58	-66.58	.35	.48967	-2.06	-3.96	181	
4	6	4	1	5.32	4.76	-4.71	.68	.55361	.56	.40	8	
4	6	5	1	58.12	58.83	-58.83	.66	.62132	-.71	-1.28	178	
4	6	6	1	14.95	14.57	-14.57	.39	.69168	.38	.53	0	
4	7	-8	1	3.48	1.00	.99	.07	.67073	2.49	1.00	5	
4	7	-7	1	7.72	6.40	-6.40	.06	.60220	1.32	1.32	179	
4	7	-6	1	5.18	10.65	-10.65	.01	.53690	-5.47	-4.27	181	
4	7	-5	1	10.93	13.01	-13.01	.01	.47615	-2.08	-3.71	179	
4	7	-4	1	2.68	2.67	-2.67	.02	.42192	.00	.00	179	
4	7	-3	1	5.79	5.02	-5.02	.02	.37703	.78	.98	181	
4	7	-2	1	2.48	5.89	-5.89	.04	.34515	.00	.00	181	
4	7	-1	1	5.96	8.50	-8.50	.13	.33007	.00	.00	181	
4	7	0	1	10.18	13.25	-13.25	.05	.33407	-3.07	-6.44	181	
4	7	1	1	36.85	40.84	-40.84	.45	.35651	-2.54	-2.74	181	
4	7	2	1	4.19	6.35	-6.35	.06	.39426	-3.99	-10.93	181	
4	7	3	1	27.44	29.18	-29.18	.58	.44341	-2.16	-1.70	181	
4	7	4	1	9.14	11.33	-11.33	.09	.50063	-1.74	-5.35	182	
4	7	5	1	17.04	18.95	-18.93	.67	.56346	-2.18	-2.85	181	
4	7	6	1	5.50	5.63	-5.63	.12	.63023	-1.91	-3.76	183	
4	7	7	1	19.50	19.03	-19.01	.77	.69981	-.13	-.08	182	
4	8	-9	1	24.68	26.50	-26.49	.42	.67846	.47	.80	183	
4	8	-8	1	3.27	3.50	-3.48	.36	.61093	-1.82	-3.87	0	
4	8	-7	1	19.65	20.49	-20.49	.25	.54681	-.23	-.10	186	
4	8	-6	1	71.87	74.27	-74.26	.88	.48746	-.84	-1.98	181	
4	8	-5	1	19.87	19.03	-19.03	.00	.43481	-2.40	-3.80	181	
4	8	-4	1	65.99	62.87	-62.87	.03	.39160	.04	2.43	0	
4	8	-3	1	71.99	69.71	-69.71	.57	.36122	3.13	5.79	0	
4	8	-2	1	168.76	165.81	-165.80	.88	.34705	2.28	3.18	181	
4	8	-1	1	72.29	74.96	-74.96	.52	.35107	2.95	4.37	181	
4	8	0	1	71.37	74.48	-74.48	.70	.37270	-2.68	-3.73	0	
4	8	1	1	32.25	35.21	-35.21	.25	.40914	-3.11	-4.23	0	
4	8	2	1	63.71	65.23	-65.22	.27	.45686	-2.96	-8.85	181	
4	8	3	1	62.89	64.26	-64.25	.68	.51273	-1.27	-2.45	182	
4	8	4	1	28.81	27.84	-27.82	.99	.57437	-1.37	-2.55	181	
4	8	5	1	53.68	53.82	-53.81	.59	.64012	.97	2.59	183	
4	9	-9	1	3.57	6.22	-6.22	.02	.68713	-1.14	-.26	0	
4	9	-8	1	4.26	9.79	-9.79	.01	.62067	-2.65	-1.04	0	
4	9	-7	1	5.63	7.45	-7.45	.05	.55781	-5.53	-2.94	0	
4	9	-6	1	11.68	13.44	-13.44	.12	.44991	-1.83	-1.49	0	
4	9	-5	1	3.64	.09	.09	.02	.44889	-1.76	-3.02	0	
4	9	-4	1	15.25	16.14	-16.14	.28	.40736	3.54	2.39	167	
4	9	-3	1	8.91	11.89	-11.89	.07	.37845	-.90	-2.32	1	
4	9	-2	1	13.13	14.70	-14.69	.49	.36517	-2.09	-5.29	0	
4	9	-1	1	12.90	14.65	-14.65	.13	.36920	-1.58	-3.73	1	
4	9								-1.75	-4.14	0	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	9	0	1	36.99	40.92	40.92	.73	.39001	-3.93	-10.19	181	1
4	9	1	1	2.80	3.97	3.97	.04	.42514	-1.17	-.58	0	1
4	9	2	1	28.37	30.34	30.32	.92	.47141	-1.96	-6.09	181	1
4	9	3	1	4.89	5.16	-5.16	.03	.52588	-.27	-.19	181	1
4	9	4	1	30.51	31.13	31.12	1.03	.58627	-.63	-1.68	0	0
4	9	5	1	17.55	18.86	18.86	.21	.65093	-1.31	-2.11	0	0
4	10	-9	1	24.61	26.98	26.98	.34	.69670	-2.37	-4.86	0	0
4	10	-8	1	41.85	47.67	47.67	1.17	.63137	-5.83	-14.65	181	1
4	10	-7	1	6.48	5.35	-5.35	-.07	.56982	1.13	1.07	0	0
4	10	-6	1	38.91	40.87	40.84	1.31	.51342	-1.96	-4.96	0	0
4	10	-5	1	10.61	11.19	11.19	.14	.46406	-.58	-1.02	0	0
4	10	-4	1	54.59	53.88	53.85	1.54	.42420	.71	1.21	181	1
4	10	-3	1	5.82	2.37	2.37	.07	.39671	3.45	4.07	1	1
4	10	-2	1	89.94	91.07	91.05	1.78	.38425	-1.13	-1.53	1	1
4	10	-1	1	40.65	42.11	42.11	.21	.38828	-1.46	-3.95	0	0
4	10	0	1	23.24	24.11	24.07	1.51	.40831	-.87	-2.74	3	3
4	10	1	1	6.46	7.89	7.89	.04	.44216	-1.43	-1.54	0	0
4	10	2	1	85.28	86.55	86.53	1.77	.48697	-1.27	-1.44	1	1
4	10	3	1	4.3	3.46	3.46	.04	.54001	.97	.62	0	0
4	10	4	1	17.85	18.94	18.91	1.10	.59910	-1.09	-2.09	3	3
4	10	5	1	4.72	6.28	6.28	.03	.66263	-1.57	-.78	0	0
4	11	-8	1	3.56	2.47	2.47	.02	.64298	1.09	1.09	179	1
4	11	-7	1	3.15	4.44	-4.44	-.02	.58279	-1.29	-.58	181	1
4	11	-6	1	11.39	13.73	-13.73	-.23	.52792	-2.34	-3.75	181	1
4	11	-5	1	8.87	9.98	-9.98	-.13	.48022	-1.11	-1.60	181	1
4	11	-4	1	11.27	12.40	-12.40	-.46	.44198	-1.13	-1.99	183	1
4	11	-3	1	3.36	1.02	-1.02	-.05	.41585	2.35	1.54	183	1
4	11	-2	1	21.66	22.30	-22.29	-.71	.40417	-.64	-1.98	182	1
4	11	0	1	2.94	.69	-.69	-.02	.40819	2.24	1.24	182	1
4	11	1	1	35.42	39.20	-39.19	-.98	.42746	-3.78	-10.45	182	1
4	11	1	1	11.60	13.05	-13.05	-.09	.46007	-1.45	-2.56	181	1
4	11	2	1	34.89	36.81	-36.80	-1.03	.50344	-1.93	-5.70	182	1
4	11	3	1	5.70	8.45	-8.45	-.11	.55505	-2.75	-2.12	181	1
4	11	4	1	19.41	20.95	-20.92	-1.07	.61281	-1.54	-3.07	183	1
4	11	5	1	8.01	4.93	4.93	.10	.67516	3.07	2.59	183	1
4	12	-8	1	19.08	22.89	-22.85	-1.34	.65545	-3.81	-7.19	184	1
4	12	-7	1	6.18	6.85	6.85	-.02	.59665	-.67	-.53	0	0
4	12	-6	1	16.06	15.58	15.51	-1.42	.54333	.48	.99	355	0
4	12	-5	1	45.74	47.33	-47.33	-.30	.49725	-1.60	-3.31	181	1
4	12	-4	1	183.59	180.59	-180.56	-2.99	.46060	3.00	3.67	181	1
4	12	-3	1	61.72	57.92	57.92	.51	.43576	3.80	6.49	0	0
4	12	-2	1	57.06	56.78	56.77	-1.19	.42481	.28	.47	359	0
4	12	-1	1	19.96	23.13	-23.13	-.39	.42881	-3.17	-8.99	181	1
4	12	0	1	96.32	102.16	-102.14	-2.09	.44737	-5.84	-7.15	182	1
4	12	1	1	14.68	15.55	15.55	.04	.47878	-.88	-1.82	0	0
4	12	2	1	32.07	32.57	-32.53	-1.48	.52074	-.49	-1.50	183	1
4	12	3	1	20.10	18.01	18.00	.40	.57092	2.09	4.54	182	1
4	12	4	1	48.55	48.50	-48.48	-1.50	.62734	.05	.11	182	1
4	12	5	1	30.03	30.76	-30.76	-.47	.68849	-.73	-1.64	181	1
4	13	-8	1	3.57	4.61	4.61	.06	.66875	-1.04	-.41	0	0
4	13	-7	1	5.46	1.15	-1.15	.08	.61135	4.31	3.06	176	0
4	13	-6	1	8.63	7.84	7.84	.27	.55956	.79	.97	1	1
4	13	-5	1	4.42	5.05	5.05	.12	.51509	-.63	-.45	1	1
4	13	-4	1	13.94	14.48	14.47	.58	.47996	-.54	-1.11	2	2
4	13	-3	1	9.58	9.58	9.58	.10	.45635	.00	.00	0	0
4	13	-2	1	22.93	22.69	22.68	.78	.44607	.23	.70	1	1



H	K	L	GRP	FO	FC	A	B	SIN/H/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	13	-1	1	7.24	5.47	5.47	.06	.45005	1.77	2.19	0	
4	13	0	1	27.38	30.12	30.10	.97	.46792	-2.74	-8.12	0	
4	13	1	1	3.89	2.37	-2.37	-.03	.49820	1.52	.91	1	
4	13	2	1	39.26	39.42	39.41	1.11	.53878	-.16	-.42	1	
4	13	3	1	4.23	2.52	-2.51	-.04	.58755	1.71	.91	1	
4	13	4	1	16.44	17.44	17.41	.96	.64264	-1.00	-1.60	3	
4	13	5	1	3.69	3.47	3.47	-.03	.70256	.22	.08	0	
4	14	-8	1	72.29	80.25	80.22	2.28	.68281	-7.96	-11.84	1	
4	14	-7	1	13.61	13.53	-13.53	-.22	.62682	.08	.13	1	
4	14	-6	1	60.74	63.38	63.33	2.34	.57656	-2.64	-4.41	2	
4	14	-5	1	4.87	3.22	3.22	.02	.53365	1.64	1.20	0	
4	14	-4	1	35.96	36.30	36.26	1.64	.49998	-.34	-.97	2	
4	14	-3	1	25.44	25.74	25.74	.22	.47751	-.30	-.87	0	
4	14	-2	1	65.02	66.26	66.22	2.12	.46786	-1.24	-2.00	1	
4	14	-1	1	15.39	14.18	-14.18	-.45	.47182	1.20	2.64	1	
4	14	0	1	62.17	66.46	66.43	2.08	.48905	-4.29	-8.22	1	
4	14	1	1	10.05	12.63	12.63	-.04	.51824	-2.59	-3.63	0	
4	14	2	1	24.88	24.83	24.82	.93	.55750	.04	.11	0	
4	14	3	1	11.77	10.45	10.45	.13	.60489	1.32	1.83	2	
4	14	4	1	17.15	17.75	17.73	.98	.65864	-.60	-1.00	0	
4	15	-8	1	8.39	6.87	-6.87	-.11	.69759	1.52	1.34	3	
4	15	-7	1	8.38	9.02	-9.02	-.21	.64301	-.64	-.62	181	
4	15	-6	1	16.03	17.85	-17.84	-.39	.59425	-1.82	-3.22	182	
4	15	-5	1	3.13	2.07	2.07	-.06	.55285	1.05	.47	182	
4	15	-4	1	8.15	9.39	-9.38	-.52	.52057	-1.25	-1.48	184	
4	15	-3	1	5.20	4.60	4.60	-.03	.49918	.60	.49	0	
4	15	-2	1	10.29	11.20	-11.17	-.73	.49011	-.91	-1.38	184	
4	15	-1	1	7.80	9.54	-9.54	-.05	.49404	-1.74	-2.08	181	
4	15	0	1	28.37	29.14	-29.13	-.85	.51068	-.77	-2.28	182	
4	15	1	1	4.75	3.84	3.84	.04	.53883	.91	.62	0	
4	15	2	1	22.37	22.69	-22.68	-.90	.57663	-.33	-.75	183	
4	15	3	1	3.36	3.22	3.21	.16	.62287	.14	.06	2	
4	15	4	1	18.05	16.94	-16.92	-.80	.67530	1.11	1.89	183	
4	16	-7	1	39.35	40.82	-40.82	-.36	.65987	-1.47	-3.81	181	
4	16	-6	1	86.52	89.43	-89.41	-.28	.61257	-2.91	-3.93	182	
4	16	-5	1	30.04	28.65	28.65	.53	.57263	1.39	3.81	1	
4	16	-4	1	44.96	45.60	-45.57	-.16	.54167	-.63	-1.48	183	
4	16	-3	1	34.69	35.66	-35.66	-.06	.52130	-.97	-2.78	183	
4	16	-2	1	71.03	73.36	-73.34	-.20	.51277	-2.33	-3.58	182	
4	16	-1	1	10.75	8.22	8.22	.26	.51667	2.52	3.91	1	
4	16	0	1	11.14	9.35	9.32	-.70	.53274	1.79	2.66	356	
4	16	1	1	6.48	6.10	-6.09	.24	.55993	.38	.33	356	
4	16	2	1	85.59	84.29	-84.27	-1.53	.59671	1.31	1.81	177	
4	16	3	1	8.76	12.38	-12.38	.06	.64144	-3.63	-3.37	179	
4	16	4	1	3.72	3.39	.16	-.36	.69258	3.32	1.25	294	
4	17	-7	1	3.84	4.21	4.21	.17	.67734	-.37	-.16	2	
4	17	-6	1	4.85	3.00	2.98	.28	.63148	1.85	1.08	5	
4	17	-5	1	3.31	4.32	-4.32	.03	.59294	-1.01	-.43	179	
4	17	-4	1	6.45	7.46	7.45	.44	.56323	-1.02	-.87	3	
4	17	-3	1	3.12	.06	.04	.04	.54380	3.05	1.37	3	
4	17	-2	1	10.32	10.94	10.92	.60	.53577	-.62	-.87	3	
4	17	-1	1	7.54	5.22	-5.22	-.09	.53965	2.32	2.50	182	
4	17	0	1	22.16	21.36	21.35	.66	.55519	.80	1.90	1	
4	17	1	1	6.94	9.64	-9.64	-.16	.58146	-2.70	-2.44	181	
4	17	2	1	3.45	1.08	.98	.47	.61708	2.37	.96	25	
4	17	3	1	3.54	.09	.01	-.09	.66055	3.45	1.36	277	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	18	-7	1	9.711	8.14	8.14	-.02	.69538	1.57	1.60	0	
4	18	-6	1	14.45	16.33	16.28	1.18	.65091	-1.88	-2.84	0	
4	18	-5	1	15.27	14.35	14.34	-.21	.61371	.93	-1.61	4	
4	18	-4	1	60.33	61.15	61.12	1.73	.58519	-.82	-1.35	0	
4	18	-3	1	62.37	62.59	62.59	-.76	.56665	-.22	-1.38	1	
4	18	-2	1	24.23	26.54	26.52	.99	.55909	-2.31	-5.73	181	
4	18	-1	1	21.02	22.31	22.31	.00	.56294	-1.29	-2.93	2	
4	18	0	1	11.47	12.59	12.58	.47	.57799	-1.12	-2.93	0	
4	18	1	1	4.41	6.52	-6.51	-.28	.60339	-2.11	-1.12	2	
4	18	2	1	11.84	10.48	10.47	.54	.63790	1.35	1.72	183	
4	18	3	1	21.10	19.33	-19.33	-.47	.68015	1.77	3.26	182	
4	19	-6	1	5.20	1.16	-1.15	-.20	.67082	4.04	2.30	190	
4	19	-5	1	4.71	.92	.92	-.07	.63492	3.79	2.08	356	
4	19	-4	1	6.12	.57	.43	-.31	.60752	5.55	4.47	327	
4	19	-3	1	5.48	7.95	7.95	.10	.58981	-2.47	-1.67	0	
4	19	-2	1	3.60	6.72	6.71	-.25	.58267	-3.12	-1.40	358	
4	19	-1	1	6.18	7.42	7.42	.11	.58650	-1.25	-.99	0	
4	19	0	1	13.03	11.98	-11.98	-.33	.60108	1.05	1.54	182	
4	19	1	1	3.43	5.02	5.02	.17	.62567	-1.60	-.65	1	
4	19	2	1	9.69	6.57	-6.57	-.24	.65913	3.12	3.25	183	
4	20	-3	1	13.16	13.83	13.83	.27	.70021	-.67	-.82	1	
4	20	-5	1	39.22	39.17	-39.16	-1.06	.69118	.05	.11	182	
4	20	-5	1	3.52	5.17	-5.17	.02	.65650	-1.65	-.66	182	
4	20	-4	1	23.56	21.82	-21.82	-.58	.63016	1.74	3.89	179	
4	20	-3	1	15.81	14.80	-14.80	.20	.61323	1.01	1.75	182	
4	20	-2	1	63.40	64.16	64.16	.33	.60650	-.76	-1.23	179	
4	20	-1	1	34.26	33.58	33.58	.68	.61030	.68	1.84	0	
4	20	0	1	76.32	78.38	-78.38	-.92	.62445	-2.06	-3.33	181	
4	20	1	1	5.73	10.06	10.06	.38	.64826	-4.34	-2.68	2	
4	21	2	1	49.91	49.44	49.44	.81	.68073	.47	1.00	0	
4	21	-5	1	3.57	8.18	-8.18	-.06	.67843	-4.61	-1.81	181	
4	21	-4	1	7.32	4.93	-4.93	.13	.65310	2.39	1.95	178	
4	21	-3	1	3.47	1.77	-1.76	-.11	.63689	1.70	1.95	184	
4	21	-2	1	4.65	2.23	-2.23	.05	.63053	2.42	1.28	178	
4	21	-1	1	5.67	5.45	-5.44	-.16	.64331	.22	.14	182	
4	21	0	1	7.98	8.06	-8.06	-.08	.64805	-.08	-.07	181	
4	21	1	1	3.69	8.92	-8.92	-.22	.67114	-5.23	-1.98	182	
4	21	2	1	9.61	5.26	-5.26	-.16	.70266	4.35	4.20	182	
4	22	-5	1	16.11	16.71	-16.70	-.58	.70068	-.60	-.87	182	
4	22	-4	1	4.61	4.61	-4.60	-.22	.67629	-.00	-.00	183	
4	22	-3	1	8.09	8.39	-8.38	-.44	.66077	-.30	-.27	184	
4	22	-2	1	3.53	1.97	1.96	-.27	.65476	1.56	.62	353	
4	22	-1	1	8.77	8.78	8.78	-.22	.65851	-.01	-.01	359	
4	22	0	1	18.26	18.99	-18.97	-.77	.67187	-0.73	-1.23	183	
4	22	1	1	3.66	.99	.96	-.23	.65428	2.67	1.02	347	
4	23	-4	1	16.70	16.58	16.57	.17	.69972	.13	.19	0	
4	23	-3	1	6.52	9.40	9.40	.16	.68484	-2.89	-1.95	0	
4	23	-2	1	3.65	5.73	5.73	.17	.67915	-2.08	-.80	1	
4	23	-1	1	3.65	6.07	6.07	.23	.68288	-2.43	-.93	2	
4	24	-2	1	10.15	8.03	8.02	.30	.69588	2.12	2.12	2	
4	24	-3	1	18.08	17.64	-17.63	.51	.70370	.44	.70	178	
5	-24	-3	1	13.81	12.59	12.59	.05	.69780	1.21	1.58	0	
5	-24	-2	1	24.36	24.13	24.12	.94	.69084	.23	.46	2	
5	-24	-1	1	6.94	3.26	-3.26	-.07	.69313	3.68	2.62	182	
5	-24	0	1	14.12	13.17	13.15	.80	.70458	.95	1.25	3	
5	-23	-4	1	37.59	36.90	36.88	1.27	.69099	.68	1.71	1	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
5	-23	-3	1	27.11	25.74	-25.74	-.03	.67462	1.38	3.08	181
5	-23	-2	1	49.30	49.52	49.50	1.35	.66753	-.22	-.46	181
5	-23	-1	1	3.61	.39	.37	.13	.67001	3.21	1.25	18
5	-23	0	1	12.77	16.40	16.38	.88	.68197	-3.64	-4.43	3
5	-22	-5	1	30.57	29.61	29.60	.69	.70291	.96	2.17	1
5	-22	-4	1	3.73	5.46	5.46	-.01	.69423	-1.73	-.65	0
5	-22	-3	1	23.04	22.65	-22.64	-.71	.66851	.39	.79	182
5	-22	-3	1	4.18	5.62	-5.62	-.08	.65169	-1.44	-.67	181
5	-22	-2	1	3.52	1.02	-.86	-.55	.64446	2.50	.99	213
5	-22	-1	1	4.24	8.26	-8.26	-.20	.64715	-4.03	-1.93	182
5	-22	0	1	20.31	21.50	-21.49	-.76	.65963	-1.19	-2.17	183
5	-22	1	1	5.94	.40	.38	-.14	.68137	5.54	3.37	340
5	-21	-5	1	14.92	11.85	11.85	-.07	.67278	3.07	4.65	0
5	-21	-4	1	7.25	3.50	-3.44	-.63	.64633	3.75	3.12	191
5	-21	-3	1	44.99	46.00	-45.99	-.59	.62903	-1.01	-2.39	181
5	-21	-2	1	68.04	69.59	-69.58	-1.29	.62167	-1.54	-2.48	182
5	-21	-1	1	7.07	4.95	-4.94	-.30	.62457	2.12	1.78	184
5	-21	0	1	23.62	22.41	22.41	-.12	.63762	1.21	2.56	0
5	-21	1	1	20.11	20.51	-20.51	-.30	.66020	-4.40	-.73	181
5	-21	2	1	43.70	46.45	-46.44	-.66	.69138	-2.75	-6.16	181
5	-20	-6	1	8.81	8.13	8.12	.38	.68724	.68	.62	2
5	-20	-5	1	10.06	8.85	8.85	.21	.65171	1.20	1.36	2
5	-20	-4	1	13.13	12.57	12.57	.50	.62448	.56	.83	1
5	-20	-3	1	5.18	7.32	-7.32	.10	.60669	-2.13	-1.33	2
5	-20	-2	1	9.94	9.26	9.25	.39	.59917	.68	.81	179
5	-20	-1	1	6.74	2.90	2.89	.23	.60232	3.83	3.22	2
5	-20	0	1	7.43	4.98	4.97	.36	.61596	2.45	2.16	4
5	-20	1	1	8.37	7.78	7.77	.37	.63942	.59	.53	4
5	-19	2	1	12.92	14.83	-14.83	-.02	.67168	-1.91	-2.33	2
5	-19	-6	1	22.48	23.58	23.56	.85	.66757	-1.10	-2.22	181
5	-19	-5	1	10.91	11.01	-11.01	.04	.63104	-.10	-.11	2
5	-19	-4	1	45.36	44.66	44.65	.75	.60301	.70	1.62	179
5	-19	-3	1	26.43	26.19	26.18	.55	.58469	.24	.61	0
5	-19	-2	1	30.20	29.29	29.28	-.14	.57702	.92	2.50	1
5	-19	-1	1	30.27	31.24	31.24	.61	.58042	-.97	-2.64	181
5	-19	0	1	13.14	9.09	-9.09	-.06	.59469	4.05	6.16	181
5	-19	1	1	21.95	21.67	-21.67	-.08	.61908	.28	.58	181
5	-19	2	1	43.80	46.53	46.53	.37	.65247	-2.73	-6.08	0
5	-19	3	1	15.35	15.22	15.21	.34	.69354	-.14	.19	1
5	-18	-7	1	3.61	.34	-.31	-.15	.69318	3.27	1.27	1
5	-18	-6	1	7.24	7.82	-7.81	-.27	.64837	-.58	-.47	206
5	-18	-5	1	7.21	2.58	-2.58	-.17	.61082	4.63	4.21	182
5	-18	-4	1	7.87	7.45	7.45	-.06	.58195	.42	.44	184
5	-18	-3	1	10.89	11.18	-11.18	-.33	.56308	-.29	-.40	0
5	-18	-2	1	3.18	3.10	3.10	-.06	.55308	.08	.04	182
5	-18	-1	1	4.24	4.51	-4.50	-.29	.55525	-.27	-.15	182
5	-18	0	1	8.73	8.42	8.42	.15	.57385	.31	.35	359
5	-18	1	1	3.41	1.13	1.10	-.26	.59922	2.28	.94	184
5	-18	2	1	5.91	3.03	-3.03	.23	.63377	2.87	1.90	1
5	-18	3	1	6.30	6.07	-6.06	.37	.67610	.84	.15	347
5	-17	-7	1	24.14	23.31	23.31	.12	.67565	.23	.15	175
5	-17	-6	1	31.16	29.57	29.57	.32	.62970	1.58	1.70	184
5	-17	-5	1	57.69	57.98	-57.97	-1.04	.59110	-.29	-.55	0
5	-17	-4	1	17.47	-17.71	-17.71	.06	.56135	-.25	-.51	182
5	-17	-3	1	36.96	36.34	36.34	-.01	.54191	.62	1.67	179
5	-17	-2	1	14.88	15.50	15.49	.42	.53390	-.62	-1.17	0

ANGLE  
STAT

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	-17	-1	1	3.14	1.51	-1.51	-.10	.53785	1.63	.73	184	
5	-17	0	1	32.11	33.71	-33.71	.09	.55350	-1.60	-4.56	179	
5	-17	1	1	23.85	24.67	-24.66	-.58	.57989	-.82	-1.91	182	
5	-17	2	1	98.28	99.52	99.51	1.46	.61565	-1.25	-1.70	0	
5	-17	3	1	7.59	8.78	-8.78	-.01	.65925	-1.18	-.96	181	
5	-16	-7	1	3.51	.59	-.56	.19	.65870	2.92	1.16	181	
5	-16	-6	1	3.33	1.38	-1.38	-.02	.61162	1.95	.82	181	
5	-16	-5	1	3.24	2.21	-2.20	.18	.57192	1.03	.46	175	
5	-16	-4	1	3.93	7.50	-7.50	-.18	.54126	-3.57	-2.03	182	
5	-16	-3	1	12.51	11.83	11.82	.33	.52121	.69	1.16	1	
5	-16	-2	1	17.14	19.09	-19.09	-.39	.51304	-1.95	-4.32	182	
5	-16	-1	1	5.66	3.04	3.02	.33	.51729	2.62	2.13	6	
5	-16	0	1	38.77	40.31	-40.31	-.77	.53368	-1.54	-4.03	182	
5	-16	1	1	3.20	1.87	-1.86	.22	.56114	1.33	.58	173	
5	-16	2	1	5.27	1.25	-1.13	-.55	.59815	4.01	2.58	206	
5	-16	3	1	4.48	.84	.80	.27	.64306	3.63	1.84	18	
5	-16	4	1	27.41	29.15	-29.14	-.02	.69434	-1.75	-3.64	182	
5	-15	-8	1	9.14	8.05	8.04	-.28	.69656	-1.09	1.01	358	
5	-15	-7	1	16.23	17.29	-17.28	.45	.64241	-1.06	-1.75	1	
5	-15	-6	1	17.94	18.79	-18.78	-.62	.59416	-.85	-1.68	182	
5	-15	-5	1	26.39	25.97	25.97	.41	.55335	.41	1.11	0	
5	-15	-4	1	4.62	4.33	4.26	-.81	.52174	.28	.20	350	
5	-15	-3	1	9.50	9.02	9.01	.27	.50107	.48	.68	1	
5	-15	-2	1	54.27	56.55	-56.54	-1.13	.49271	-2.28	-4.20	182	
5	-15	-1	1	12.03	12.31	12.31	.21	.49729	-.28	-.47	0	
5	-15	0	1	11.30	7.82	-7.76	-.96	.51446	3.48	5.46	188	
5	-15	1	1	9.77	9.84	9.84	.13	.54304	-.06	-.08	0	
5	-15	2	1	13.33	13.29	-13.26	-.98	.58133	.04	.06	185	
5	-15	3	1	16.56	16.16	-16.16	-.13	.62757	.40	.68	181	
5	-15	4	1	14.27	12.91	-12.88	-.80	.68013	1.36	1.89	184	
5	-14	-8	1	7.42	7.69	7.69	.10	.68209	-.28	-.21	0	
5	-14	-7	1	3.40	3.37	-3.36	-.17	.62681	.03	.01	183	
5	-14	-6	1	12.28	13.29	13.28	.33	.57739	-1.00	-1.56	1	
5	-14	-5	1	3.06	1.14	1.11	-.26	.53545	1.91	.88	348	
5	-14	-4	1	12.17	13.87	13.86	.49	.50286	-1.70	-3.02	2	
5	-14	-3	1	4.26	6.85	6.84	-.19	.48153	-2.59	-1.70	359	
5	-14	-2	1	31.72	33.17	33.16	.80	.47299	-1.45	-4.36	1	
5	-14	-1	1	2.90	.95	.93	-.21	.47792	1.95	.94	348	
5	-14	0	1	28.07	31.05	31.04	.93	.49592	-2.99	-8.40	1	
5	-14	1	1	6.11	6.69	-6.68	-.33	.52564	-.58	-.51	183	
5	-14	2	1	45.45	47.32	47.30	1.30	.56525	-1.87	-4.22	1	
5	-14	3	1	9.43	8.07	-8.07	-.19	.61283	1.36	1.50	182	
5	-14	4	1	23.09	25.57	25.54	1.09	.66667	-2.48	-4.81	2	
5	-13	-8	1	56.35	56.99	56.97	1.46	.66835	-.64	-1.20	1	
5	-13	-7	1	58.21	57.37	-57.36	-.98	.61196	.84	1.54	181	
5	-13	-6	1	9.04	7.43	7.36	.55	.56136	1.61	2.06	7	
5	-13	-5	1	68.84	69.92	69.92	.55	.51827	-1.08	-1.64	0	
5	-13	-4	1	49.52	51.23	51.21	1.47	.48469	-1.72	-3.67	1	
5	-13	-3	1	51.80	53.01	-53.01	-.47	.46269	-1.21	-2.70	181	
5	-13	-2	1	26.95	27.84	27.81	1.33	.45396	-.89	-2.83	2	
5	-13	-1	1	18.52	18.36	-18.35	-.38	.47812	.16	.41	182	
5	-13	0	1	78.64	79.52	79.50	1.94	.47812	-.88	-1.02	1	
5	-13	1	1	28.70	29.01	29.01	.37	.50904	-.31	-.90	0	
5	-13	2	1	9.10	6.68	-6.65	.62	.54998	2.42	2.89	174	
5	-13	3	1	12.95	13.68	13.68	.06	.59690	-.72	-1.06	0	
5	-13	4	1	46.33	48.07	48.05	1.40	.65400	-1.74	-3.72	1	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	-12	-8	1	14.30	13.70	-13.70	-.28	.65540	.60	.88	182	
5	-12	-7	1	5.48	1.72	-1.72	.10	.59791	3.76	2.73	182	
5	-12	-6	1	10.98	13.05	-13.05	-.48	.54616	-2.07	-3.11	176	
5	-12	-5	1	7.50	5.12	5.12	.20	.50191	2.38	2.69	183	
5	-12	-4	1	22.18	23.31	-23.31	-.76	.46732	-1.12	-3.22	2	
5	-12	-3	1	9.05	5.49	5.49	.20	.44463	3.56	5.51	182	
5	-12	-2	1	50.00	53.14	-53.14	-1.15	.43571	-3.14	-6.23	2	
5	-12	-1	1	2.87	4.79	-4.79	.17	.44140	-1.91	-.93	182	
5	-12	0	1	24.61	26.18	-26.18	-1.10	.46116	-1.57	-4.64	183	
5	-12	1	1	3.18	6.24	-6.24	.10	.49329	-3.06	-1.50	179	
5	-12	2	1	32.98	34.36	-34.36	-1.35	.53558	-1.38	-4.12	183	
5	-12	3	1	3.33	3.54	-3.54	.06	.58583	-.21	-.09	178	
5	-12	4	1	27.92	29.91	-29.91	-1.26	.64217	-1.99	-4.62	183	
5	-12	5	1	15.59	14.76	14.76	.23	.70315	.82	1.16	183	
5	-11	-8	1	48.39	49.47	-49.47	-1.34	.64328	-1.07	-2.21	182	
5	-11	-7	1	28.01	26.83	-26.83	-.26	.58473	1.18	3.20	182	
5	-11	-6	1	21.62	21.95	-21.89	-1.71	.53183	-.33	-.83	181	
5	-11	-5	1	26.20	25.11	25.11	.54	.48644	1.09	3.14	185	
5	-11	-4	1	107.85	112.50	-112.48	-2.19	.45083	-4.65	-5.67	182	
5	-11	-3	1	30.38	32.46	-32.46	-.00	.42745	-2.08	-6.75	181	
5	-11	-2	1	9.17	7.36	-7.22	-1.44	.41834	1.81	2.89	192	
5	-11	-1	1	47.66	50.58	-50.58	-.51	.42444	-2.92	-5.87	181	
5	-11	0	1	81.14	85.74	-85.73	-1.55	.44512	-4.60	-5.61	182	
5	-11	1	1	21.20	22.28	22.28	.18	.47849	-1.08	-2.81	182	
5	-11	2	1	70.39	69.91	-69.89	-1.62	.52213	.47	.72	182	
5	-11	3	1	20.80	19.76	19.76	.17	.57369	1.04	2.26	183	
5	-11	4	1	13.50	17.60	-17.58	-.89	.63124	-4.10	-5.76	181	
5	-11	5	1	50.17	52.45	-52.44	-.76	.69329	-2.28	-6.33	181	
5	-10	-9	1	3.61	1.08	1.08	-.05	.69574	2.53	.98	358	
5	-10	-8	1	7.63	10.48	10.47	-.37	.63203	-2.84	-2.46	2	
5	-10	-7	1	3.13	1.42	1.42	-.10	.57247	1.71	.76	357	
5	-10	-6	1	15.61	16.62	16.61	.63	.51847	-1.02	-2.11	2	
5	-10	-5	1	28.73	2.58	2.58	-.06	.47196	.25	.12	359	
5	-10	-4	1	28.73	29.97	29.95	.92	.43533	-1.24	-3.99	1	
5	-10	-3	1	6.06	1.28	1.28	-.09	.41125	4.78	5.60	356	
5	-10	-2	1	46.75	49.60	49.59	1.12	.40197	-2.85	-5.94	1	
5	-10	-1	1	10.44	9.65	-9.65	-.16	.40850	.79	1.40	181	
5	-10	0	1	47.43	48.95	48.93	1.37	.43013	-1.52	-3.50	1	
5	-10	1	1	9.14	8.72	8.72	-.01	.46474	.42	.62	0	
5	-10	2	1	14.01	13.92	13.88	1.10	.50970	.08	.16	0	
5	-10	3	1	3.25	5.23	5.23	.02	.56254	-1.98	-.85	0	
5	-10	4	1	35.73	36.80	36.78	1.24	.62124	-1.08	-2.82	1	
5	-10	5	1	10.18	1.72	-1.72	-.00	.68431	8.46	8.66	181	
5	-9	-9	1	30.86	27.60	-27.59	-.47	.68627	3.26	7.73	181	
5	-9	-8	1	41.72	43.39	43.35	1.77	.62171	-1.67	-3.69	2	
5	-9	-7	1	32.13	32.72	32.71	.38	.56119	-.59	-1.63	0	
5	-9	-6	1	73.31	75.55	75.52	2.18	.50614	-2.24	-3.49	1	
5	-9	-5	1	21.00	20.20	-20.20	-.30	.45854	.80	2.26	181	
5	-9	-4	1	21.78	20.65	20.59	1.48	.42093	1.14	3.55	4	
5	-9	-3	1	6.21	5.18	5.17	.25	.39617	1.03	1.27	2	
5	-9	-2	1	100.08	103.69	103.67	2.17	.38672	-3.62	-4.91	1	
5	-9	-1	1	22.04	20.52	-20.52	-.12	.39370	1.52	4.85	181	
5	-9	0	1	20.95	20.98	-20.95	.98	.41627	-.03	-.07	177	
5	-9	1	1	21.52	23.48	23.48	.18	.45212	-1.96	-5.46	0	
5	-9	2	1	83.93	87.04	87.02	1.48	.49837	-3.10	-3.50	0	
5	-9	3	1	36.61	36.88	36.87	.55	.55243	-.27	-.75	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	-9	4	1	21.83	21.53	-21.53	.41	.61223	.29	.62	178	
5	-9	5	1	33.64	33.94	-33.94	-.34	.67625	-.30	-.70	181	
5	-8	-9	1	5.83	1.61	1.61	.01	.67770	4.21	2.81	0	
5	-8	-8	1	12.27	10.58	-10.57	-.43	.61237	1.69	2.50	183	
5	-8	-7	1	5.18	1.54	-1.54	.04	.55095	3.63	2.73	178	
5	-8	-6	1	13.71	13.69	-13.68	-.67	.49492	.02	.04	183	
5	-8	-5	1	2.75	3.08	-3.08	.02	.44630	-.32	-.16	179	
5	-8	-4	1	32.52	32.84	-32.83	-.94	.40774	-.32	-.91	182	
5	-8	-3	1	3.27	1.49	1.49	.05	.38232	1.78	1.20	1	
5	-8	-2	1	29.58	31.63	-31.62	-.96	.37273	-2.06	-5.98	182	
5	-8	-1	1	14.71	14.97	-14.97	-.11	.38016	-.27	-.68	181	
5	-8	0	1	52.77	54.66	-54.65	-1.14	.40368	-1.89	-3.26	182	
5	-8	1	1	7.38	6.90	6.90	.03	.44072	.48	.59	0	
5	-8	2	1	20.86	21.08	-21.06	-1.01	.48822	-.22	-.57	183	
5	-8	3	1	9.17	8.90	8.90	.10	.54343	.27	.33	0	
5	-8	4	1	26.12	26.56	-26.54	-.92	.60424	-.44	-1.05	182	
5	-8	5	1	20.13	20.86	-20.86	-.29	.66914	-.74	-1.31	181	
5	-7	-9	1	20.61	21.19	-21.19	-.33	.67007	-.59	-1.13	181	
5	-7	-8	1	51.35	51.90	-51.86	-2.10	.60404	-.55	-1.11	183	
5	-7	-7	1	38.84	38.19	38.18	.52	.54182	.65	1.58	0	
5	-7	-6	1	71.18	72.31	-72.29	-1.82	.48489	-1.13	-1.81	182	
5	-7	-5	1	5.14	6.29	-6.28	-.38	.43532	-1.13	-1.09	184	
5	-7	-4	1	12.24	12.42	-12.35	-1.32	.39589	-.18	-.41	187	
5	-7	-3	1	43.46	46.41	-46.41	-.31	.36986	-2.95	-7.46	181	
5	-7	-2	1	74.73	79.36	-79.35	-1.58	.36015	-4.63	-6.37	182	
5	-7	-1	1	29.51	27.90	27.90	.18	.36804	1.61	4.80	0	
5	-7	0	1	61.21	62.03	-62.02	-1.27	.39248	-.82	-1.49	182	
5	-7	1	1	17.29	18.58	-18.58	-.23	.43066	-1.29	-3.27	181	
5	-7	2	1	13.14	10.69	10.69	-.40	.47931	2.45	4.51	358	
5	-7	3	1	22.59	23.60	-23.60	-.36	.53558	-1.01	-2.51	181	
5	-7	4	1	3.39	6.10	-6.09	-.37	.59733	-2.71	-1.12	184	
5	-7	5	1	18.99	17.62	17.62	.14	.66301	1.37	2.42	0	
5	-6	-9	1	7.04	.38	7.04	.03	.66341	6.66	5.33	3	
5	-6	-8	1	9.72	9.40	9.40	.41	.59677	.32	.38	2	
5	-6	-7	1	4.08	1.64	-1.64	.04	.53385	2.43	1.50	178	
5	-6	-6	1	13.07	12.82	12.80	.58	.47612	.25	.50	2	
5	-6	-5	1	2.76	2.48	2.48	.05	.42571	.28	.15	1	
5	-6	-4	1	11.66	11.68	-11.66	.67	.38550	-.02	-.04	3	
5	-6	-3	1	3.24	.87	3.24	.04	.35892	2.37	1.66	177	
5	-6	-2	1	49.49	50.16	-50.15	.89	.34912	-.67	-1.26	1	
5	-6	-1	1	3.32	.47	3.32	.03	.35747	2.85	1.94	176	
5	-6	0	1	2.76	2.01	-1.92	.59	.38279	.75	.38	162	
5	-6	1	1	6.57	5.36	5.36	.09	.42203	1.22	1.39	1	
5	-6	2	1	9.52	8.88	8.88	.56	.47173	.64	.90	3	
5	-6	3	1	4.17	2.55	2.55	.13	.52895	1.62	.95	2	
5	-6	4	1	12.21	11.82	-11.81	-.09	.65790	-.69	-.93	181	
5	-6	5	1	13.48	14.17	-14.17	-.09	.65790	-1.15	-.36	0	
5	-5	-9	1	28.41	28.56	28.56	.41	.65775	-1.31	-3.31	2	
5	-5	-8	1	26.86	28.17	-28.14	1.25	.59060	-1.31	-1.31	0	
5	-5	-7	1	11.61	12.40	-12.40	.17	.52708	-.79	-1.31	0	
5	-5	-6	1	7.84	7.84	7.77	.99	.46869	.00	.00	7	
5	-5	-5	1	82.89	84.24	84.24	.41	.41756	-1.35	-1.69	0	
5	-5	-4	1	149.60	148.50	148.49	1.98	.37668	1.10	1.54	0	
5	-5	-3	1	75.88	75.27	-75.27	-.46	.34965	.61	.87	181	
5	-5	-2	1	82.54	82.53	-82.53	.01	.33981	.01	.02	179	
5	-5	-1	1	67.95	70.40	-70.40	.68	.34860	-2.45	-3.46	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC
5	-5	0	1	121.98	126.15	126.14	.81	.37472	-4.16	-5.85	0
5	-5	1	1	17.61	18.62	18.62	.20	.41490	-1.02	-2.65	0
5	-5	2	1	8.21	9.69	9.88	.23	.46553	-1.67	-2.09	0
5	-5	3	1	33.55	32.27	-32.27	.46	.52357	1.28	3.42	181
5	-5	4	1	17.47	20.95	20.95	.23	.58684	-1.48	-3.06	0
5	-5	5	1	56.20	57.61	57.61	.73	.65381	-1.42	-2.69	0
5	-4	-9	1	3.91	.05	.01	-.05	.65312	3.86	1.77	285
5	-4	-8	1	3.15	3.19	-3.18	-.31	.58556	-.04	-.02	186
5	-4	-7	1	2.96	.96	.96	-.07	.52158	2.00	.95	357
5	-4	-6	1	2.82	2.90	-2.88	-.39	.46265	-.08	-.04	188
5	-4	-5	1	3.31	5.20	5.20	-.05	.41096	-1.89	-1.21	0
5	-4	-4	1	8.81	5.35	-5.33	-.38	.36955	3.46	6.24	185
5	-4	-3	1	6.53	5.25	-5.24	-.14	.34219	1.28	1.84	182
5	-4	-2	1	26.52	26.61	-26.60	-.40	.33235	-.09	-.26	181
5	-4	-1	1	7.14	7.61	7.61	-.03	.34155	-.47	-.72	0
5	-4	0	1	10.20	11.08	11.08	-.19	.36838	-.89	-1.69	359
5	-4	1	1	2.78	.75	-.74	-.06	.40937	2.04	1.02	185
5	-4	2	1	2.93	2.84	2.84	-.05	.46077	.09	.04	359
5	-4	3	1	3.13	2.44	-2.43	-.16	.51949	.69	.31	184
5	-4	4	1	20.12	20.63	20.63	.27	.58333	-.51	-1.09	0
5	-4	5	1	12.02	8.45	8.45	.06	.65078	3.58	4.49	0
5	-3	-9	1	21.08	18.57	18.57	.14	.64953	2.51	5.16	0
5	-3	-8	1	23.72	21.63	-21.61	-.86	.58169	2.09	5.14	183
5	-3	-7	1	27.88	27.53	-27.53	-.35	.51737	.34	1.01	181
5	-3	-6	1	30.58	29.38	-29.37	-.73	.45807	1.20	3.71	182
5	-3	-5	1	41.44	38.88	38.88	.08	.40598	2.55	6.78	0
5	-3	-4	1	10.18	8.97	8.97	-.07	.36422	1.21	2.45	0
5	-3	-3	1	49.16	50.58	-50.58	-.38	.33664	-1.42	-2.76	181
5	-3	-2	1	7.00	2.50	-2.49	-.22	.32687	4.49	7.17	186
5	-3	-1	1	6.99	5.62	-5.62	.02	.33645	1.36	2.09	179
5	-3	0	1	35.70	36.05	-36.05	.06	.36386	-.35	-.95	179
5	-3	1	1	17.64	15.68	15.68	.01	.40550	1.96	5.34	0
5	-3	2	1	66.96	66.08	66.08	.70	.45750	.88	1.43	0
5	-3	3	1	18.57	18.43	-18.43	-.21	.51674	.14	.32	181
5	-3	4	1	19.35	2.62	-2.59	.43	.58101	1.63	.90	170
5	-3	5	1	19.35	19.06	19.06	.10	.64882	.30	.53	0
5	-2	-9	1	3.47	5.98	-5.98	.02	.64701	-2.51	-1.02	179
5	-2	-8	1	8.78	1.98	1.97	.20	.57900	6.80	8.32	5
5	-2	-7	1	2.92	.96	-.96	.07	.51450	1.96	.94	175
5	-2	-6	1	9.96	8.38	-8.38	.12	.45499	1.58	2.68	175
5	-2	-5	1	2.65	1.02	-1.02	.08	.40269	1.64	.86	175
5	-2	-4	1	4.58	3.28	-3.28	.09	.36075	1.30	1.29	178
5	-2	-3	1	8.27	9.31	-9.31	.04	.33312	-1.04	-1.93	179
5	-2	-2	1	5.02	.90	.89	-.15	.32347	4.11	4.85	351
5	-2	-1	1	2.50	2.07	2.07	.16	.33338	.43	.24	4
5	-2	C	1	12.55	14.41	-14.41	-.32	.36123	-1.87	-4.39	182
5	-2	1	1	2.77	.26	.24	.10	.40333	2.51	1.27	21
5	-2	2	1	26.49	28.41	-28.40	-.51	.45574	-1.92	-5.67	182
5	-2	3	1	14.12	14.19	-14.19	-.10	.51533	-.07	-.13	181
5	-2	4	1	13.29	12.30	-12.28	-.57	.57989	.99	1.60	183
5	-2	5	1	10.93	11.31	11.31	.19	.64794	-.37	-.42	0
5	-1	5	1	22.81	21.11	-21.11	-.09	.64556	1.69	3.67	181
5	-1	8	1	21.84	21.17	21.17	.24	.57752	.67	1.56	0
5	-1	7	1	6.58	7.39	7.38	.18	.51297	-.81	-.83	1
5	-1	6	1	62.13	59.54	59.54	.30	.45343	2.59	4.31	0
5	-1	5	1	37.32	36.83	-36.83	-.14	.40112	.49	1.27	181

ANGLE  
STAT

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	N*DF	ANGLE CALC
5	-1	-4	1	145.44	132.86	-132.85	-1.30	.35921	12.59	18.07	181
5	-1	-3	1	45.21	43.92	43.92	.53	.33168	1.28	3.08	181
5	-1	-2	1	23.14	21.79	21.79	-.28	.32222	1.35	5.20	0
5	-1	-1	1	49.17	48.93	-48.92	-.34	.33240	.21	.41	181
5	-1	0	1	63.97	65.13	-65.12	-1.11	.36053	-1.16	-1.59	181
5	-1	1	1	12.34	13.56	13.56	-.00	.40289	-1.22	-2.53	0
5	-1	2	1	11.67	7.34	7.32	-.60	.45552	4.33	7.85	356
5	-1	3	1	22.52	22.21	22.20	-.00	.51529	.31	.81	1
5	-1	4	1	54.42	54.51	-54.50	-1.22	.57998	-.09	-1.16	182
5	-1	5	1	33.74	33.13	-33.13	-.52	.64814	.61	1.54	181
5	0	5	1	5.27	5.33	5.33	-.02	.64520	-.06	-.04	0
5	0	6	1	6.76	5.75	5.75	.00	.57725	1.01	.94	0
5	0	7	1	2.93	4.45	4.45	-.04	.51282	-1.52	-.72	0
5	0	8	1	20.08	19.83	19.83	.17	.45342	.25	.70	0
5	0	9	1	2.61	.28	.26	-.10	.40130	2.34	1.25	340
5	0	10	1	16.53	16.22	16.22	.35	.35962	.31	.47	1
5	0	11	1	5.94	5.47	5.47	-.06	.33235	.95	.66	0
5	0	12	1	19.89	18.94	18.93	.54	.32315	.47	.94	0
5	0	13	1	5.09	2.14	2.14	-.04	.33352	2.95	3.42	1
5	0	14	1	31.89	34.79	34.79	.75	.36178	-2.90	-8.22	359
5	0	15	1	8.23	8.27	8.27	-.07	.40420	-.04	-.06	1
5	0	16	1	48.58	51.08	51.07	1.11	.45684	-2.50	-4.71	1
5	0	17	1	3.78	1.06	-1.06	-.07	.51660	2.71	1.55	184
5	0	18	1	21.92	22.61	22.59	.98	.58128	-.70	-1.56	2
5	0	19	1	9.55	12.94	12.94	.03	.64941	-3.39	-3.40	0
5	0	20	1	22.38	23.71	-23.71	-.28	.64593	-1.32	-2.83	181
5	0	21	1	47.82	52.37	52.36	.96	.57819	-4.55	-9.31	1
5	0	22	1	23.23	24.39	-24.39	-.26	.51403	-1.15	-3.19	181
5	0	23	1	59.60	57.89	57.87	1.53	.45495	1.71	2.80	1
5	0	24	1	26.55	26.89	-26.89	-.21	.40322	-.34	-1.21	181
5	0	25	1	12.47	11.32	11.30	.68	.36197	1.15	2.82	3
5	0	26	1	44.47	44.70	44.70	.43	.33512	-.23	-.55	0
5	0	27	1	14.52	12.31	-12.23	1.38	.32623	2.21	6.32	173
5	0	28	1	46.04	48.06	-48.06	-.49	.33673	-2.02	-4.75	181
5	0	29	1	49.55	49.47	49.44	1.69	.36495	.08	.18	1
5	0	30	1	2.73	.44	-.44	-.03	.40722	2.29	1.18	185
5	0	31	1	47.53	48.75	48.73	1.11	.45969	-1.21	-2.63	1
5	0	32	1	27.48	27.48	27.48	.46	.51926	-.00	-.01	0
5	0	33	1	6.70	4.09	4.00	.85	.58378	2.61	2.17	12
5	0	34	1	28.85	28.78	-28.78	-.19	.65177	.07	.16	181
5	0	35	1	10.67	8.82	-8.82	-.17	.58034	1.85	2.56	182
5	0	36	1	5.70	6.39	-6.39	-.01	.51659	-.69	-.63	181
5	0	37	1	24.05	24.59	-24.59	-.41	.45802	-.55	-1.69	181
5	0	38	1	6.38	7.42	-7.42	.01	.40685	-1.03	-1.30	179
5	0	39	1	29.67	29.27	-29.26	-.69	.36623	.40	1.20	182
5	0	40	1	31.87	31.92	-31.91	.08	.33993	1.57	1.10	182
5	0	41	1	4.87	7.33	-7.33	.03	.34196	-.06	-.15	3
5	0	42	1	42.07	45.94	-45.93	-1.14	.36999	-2.46	-2.59	179
5	0	43	1	4.13	7.23	-7.23	-.02	.41193	-3.87	-8.22	182
5	0	44	1	44.74	47.14	-47.13	-.23	.46403	-3.09	-2.28	181
5	0	45	1	3.09	1.95	-1.95	.10	.52325	-2.41	-4.99	182
5	0	46	1	3.56	6.97	-6.97	-.05	.65235	1.13	.51	177
5	0	47	1	25.66	27.48	-27.47	.43	.65062	-3.40	-1.34	181
5	0	48	1	39.33	43.11	-43.11	-.41	.52049	-1.82	-4.14	181
5	0	49	1	34.91	35.14	-35.10	-1.69	.46258	-3.78	-9.56	0
5	0	50	1						-.23	-.68	183

ANGLE  
STAT



H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W+DF	ANGLE CALC	ANGLE STAT
5	3	-5	1	37.63	35.38	35.37	.43	.41216	2.25	6.38	0	
5	3	-4	1	97.83	92.77	-92.76	-1.77	.37232	5.05	7.04	182	
5	3	-3	1	11.91	13.19	-13.19	-.06	.34671	-1.28	-3.02	181	
5	3	-2	1	109.96	109.77	-109.74	-2.34	.33857	.19	.28	182	
5	3	0	1	6.59	6.62	6.56	-.92	.37683	-.03	-.04	352	
5	3	1	1	17.50	16.31	16.31	.06	.41827	1.19	3.11	0	
5	3	2	1	73.00	76.68	-76.65	-1.92	.46982	-3.67	-5.94	182	
5	3	3	1	17.66	17.72	-17.72	-.07	.52854	-.07	-.15	181	
5	3	4	1	17.42	18.78	-18.78	-.97	.59230	1.36	-2.51	183	
5	3	5	1	6.62	5.61	5.61	.10	.65964	-1.01	.72	1	
5	4	-9	1	3.44	5.07	5.07	.05	.65456	-1.63	-.66	0	
5	4	-6	1	28.38	30.77	30.75	.62	.46859	-2.37	-7.63	1	
5	4	-4	1	22.22	22.70	22.69	.81	.38017	-.48	-1.61	2	
5	4	-3	1	6.52	6.88	6.88	.01	.35534	-.36	-.50	0	
5	4	-2	1	25.18	25.81	25.79	1.06	.34762	-.63	-2.05	2	
5	4	-1	1	3.95	3.05	3.05	-.05	.35813	.90	.76	359	
5	4	0	1	60.23	65.25	65.24	1.41	.38537	-5.02	-9.15	1	
5	4	1	1	4.48	3.89	-3.89	-.08	.42616	.58	.44	182	
5	4	2	1	35.50	37.46	37.44	1.24	.47702	-1.96	-5.00	1	
5	4	3	1	8.00	7.28	7.28	.05	.53509	.72	.80	0	
5	4	4	1	28.39	29.66	29.64	1.22	.59828	-1.27	-3.19	2	
5	4	5	1	3.60	3.03	-3.03	-.04	.66513	.57	.22	181	
5	5	-7	1	14.81	15.16	15.16	-.03	.53218	-.35	-.69	0	
5	5	-5	1	66.17	69.86	69.86	.33	.42754	-3.70	-6.42	0	
5	5	-3	1	125.57	120.95	120.92	2.54	.38966	4.62	6.30	1	
5	5	-2	1	80.07	77.71	-77.71	-.56	.36568	2.36	3.30	181	
5	5	-1	1	64.36	64.10	64.07	1.76	.35840	.26	.49	1	
5	5	0	1	26.34	28.43	28.43	.17	.36881	-2.09	-7.07	0	
5	5	1	1	59.29	62.71	62.68	1.65	.39551	-3.42	-6.19	1	
5	5	2	1	46.52	48.88	48.88	.22	.43552	-2.36	-5.37	0	
5	5	3	1	58.91	60.78	60.76	1.40	.48555	-1.87	-3.52	1	
5	5	4	1	12.65	10.96	-10.96	-.15	.54285	1.69	2.73	181	
5	5	5	1	27.13	28.60	28.59	.99	.60536	-1.47	-3.56	1	
5	6	-9	1	16.21	15.77	15.77	.10	.67162	.43	.68	0	
5	6	-8	1	6.84	7.48	-7.48	-.15	.66555	-.64	-.50	182	
5	6	-7	1	12.13	10.53	-10.52	-.37	.60066	1.60	2.43	183	
5	6	-6	1	5.64	.48	.48	-.01	.53988	5.16	4.46	359	
5	6	-5	1	22.37	24.25	-24.24	-.68	.48476	-1.88	-5.20	182	
5	6	-4	1	6.86	5.86	-5.86	-.04	.43743	.99	1.26	181	
5	6	-3	1	37.85	37.37	-37.36	-.96	.40068	.48	1.24	182	
5	6	-2	1	7.28	3.39	-3.39	.02	.37760	3.89	5.86	0	
5	6	-1	1	19.18	18.61	-18.58	-1.07	.37076	.56	1.74	184	
5	6	0	1	7.45	6.89	-6.89	-.00	.38103	.56	1.74	184	
5	6	1	1	39.02	41.82	-41.80	-1.13	.40711	.08	.83	181	
5	6	2	1	5.94	5.87	5.87	.07	.44625	.08	.07	0	
5	6	3	1	42.35	43.04	-43.02	-1.29	.49536	.82	-1.75	182	
5	6	4	1	3.15	2.33	-2.32	.08	.55178	.82	.36	177	
5	6	5	1	22.38	23.39	-23.37	-1.04	.61350	-.70	-2.14	183	
5	6	6	1	3.67	1.64	1.64	.08	.67908	2.04	.78	2	
5	7	-9	1	31.83	35.38	-35.38	-.59	.67254	-3.55	-8.59	181	
5	7	-8	1	38.11	45.06	-45.01	-2.07	.60852	-6.95	-18.29	183	
5	7	-7	1	59.78	62.39	62.38	.83	.54875	-2.61	-4.56	0	
5	7	-6	1	92.88	95.38	-95.35	-.83	.49477	-2.50	-2.86	182	
5	7	-5	1	12.20	10.69	10.69	-.04	.44867	1.51	2.99	0	
5	7	-4	1	63.60	64.38	-64.35	-1.97	.41311	.78	-1.36	182	
5	7	-3	1	86.99	89.46	-89.46	-.36	.39096	-2.47	-3.28	181	

H	L	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	5	7	-2	1	45.89	44.45	44.43	-1.05	.38455	1.45	3.11	182	
5	5	7	-1	1	34.78	35.01	35.01	.29	.39465	-.24	-.65	359	
5	5	7	0	1	136.71	144.74	-144.72	-2.30	.42007	-8.03	-10.44	0	
5	5	7	1	1	27.71	27.86	27.86	.29	.45827	-.15	-.43	181	
5	5	7	2	1	27.92	27.86	27.85	-.38	.50636	.06	.18	0	
5	5	7	3	1	4.00	3.37	3.37	-.08	.56182	.63	.34	0	
5	5	7	4	1	31.61	33.02	-33.01	-.72	.62266	-1.41	-3.62	359	
5	5	7	5	1	18.85	21.25	-21.25	-.29	.68747	-2.40	-3.94	182	
5	5	8	-9	1	3.50	.98	.98	.09	.68049	2.52	1.01	5	
5	5	8	-8	1	12.99	13.93	13.92	.43	.61742	-.94	-1.44	1	
5	5	8	-7	1	3.05	4.82	4.82	.09	.55874	.23	.17	1	
5	5	8	-6	1	19.56	20.44	20.43	.64	.50597	-.88	-2.17	1	
5	5	8	-5	1	4.92	7.80	-7.80	.00	.46116	-2.88	-2.43	179	
5	5	8	-4	1	14.32	13.12	13.09	.79	.42682	1.20	2.77	3	
5	5	8	-3	1	2.68	1.55	-1.55	-.03	.40560	1.13	.59	182	
5	5	8	-2	1	27.47	27.06	27.04	.94	.39862	.41	1.35	1	
5	5	8	-1	1	27.16	2.45	-2.45	-.06	.40954	.27	.14	182	
5	5	8	0	1	6.69	6.74	6.74	.91	.43426	1.56	-4.78	1	
5	5	8	1	1	25.58	26.03	26.02	.85	.51849	-.05	-.06	0	
5	5	8	2	1	4.37	6.95	-6.95	.85	.57290	-.45	-1.23	1	
5	5	8	3	1	12.18	10.39	10.37	-.13	.63280	-2.57	-1.47	182	
5	5	8	4	1	3.73	5.61	-5.61	.66	.69678	1.80	2.34	3	
5	5	8	5	1	36.83	38.28	-38.27	-.64	.68937	-1.88	-.70	182	
5	5	9	-9	1	38.23	43.31	43.27	1.86	.62731	-1.45	-3.67	182	
5	5	9	-8	1	46.29	51.35	51.34	.48	.56978	-5.08	-12.94	181	
5	5	9	-7	1	58.80	62.31	62.29	1.80	.51829	-5.06	-11.50	2	
5	5	9	-6	1	11.10	8.07	-8.06	-.30	.47480	-3.51	-6.29	1	
5	5	9	-5	1	35.12	36.05	36.02	1.43	.44169	-.93	-2.54	183	
5	5	9	-4	1	51.38	50.40	-50.40	1.58	.42141	-.98	1.99	2	
5	5	9	-3	1	68.83	70.28	70.27	1.58	.41584	-1.45	-2.56	181	
5	5	9	-2	1	14.57	17.65	17.65	-.04	.42555	-3.08	-7.15	0	
5	5	9	-1	1	12.26	8.89	-8.88	.40	.44956	3.37	5.97	0	
5	5	9	0	1	24.23	26.90	26.90	.14	.48576	-2.67	-7.64	177	
5	5	9	1	1	21.21	21.42	21.41	.70	.53166	-.22	-.51	1	
5	5	9	2	1	9.96	8.53	-8.52	-.29	.58497	1.44	1.75	182	
5	5	9	3	1	31.11	31.41	31.41	.43	.64387	-.30	-.74	0	
5	5	9	4	1	10.34	6.35	6.35	.03	.63815	3.87	4.41	0	
5	5	10	-9	1	5.94	2.07	-2.04	-.33	.69913	3.99	4.41	0	
5	5	10	-8	1	5.11	7.75	-7.75	-.12	.58182	-2.63	-1.78	190	
5	5	10	-7	1	7.81	21.22	-21.21	-.55	.53164	-.18	-.44	181	
5	5	10	-6	1	11.36	4.20	-4.17	.03	.48950	.57	.75	182	
5	5	10	-5	1	2.82	3.03	3.03	-.01	.45762	7.16	13.34	188	
5	5	10	-4	1	2.89	4.52	-4.49	.53	.43306	-.21	-.11	181	
5	5	10	-3	1	11.08	12.83	12.83	-.14	.44257	-1.63	-.84	187	
5	5	10	-2	1	19.42	20.15	-20.14	-.62	.46587	-1.75	-3.09	0	
5	5	10	-1	1	8.72	10.26	-10.26	.19	.50104	-.73	-1.79	182	
5	5	10	0	1	14.16	13.57	-13.56	-.37	.54579	-1.54	-1.99	1	
5	5	10	1	1	5.46	5.19	5.19	.10	.59798	.59	1.04	182	
5	5	10	2	1	11.67	9.53	9.53	-.13	.65582	.27	.18	1	
5	5	10	3	1	24.85	30.00	-29.97	-.13	.64988	2.14	2.60	0	
5	5	11	-8	1	49.12	53.69	-53.69	-.34	.59480	-5.15	-11.24	183	
5	5	11	-7	1	37.87	39.53	-39.52	-.34	.54595	-4.57	-9.25	181	
5	5	11	-6	1	23.90	22.16	22.16	-.38	.50515	-1.66	-4.30	182	
5	5	11	-5	1	29.73	-30.52	-30.51	-.75	.47448	1.74	4.85	0	
5	5	11	-4	1						-.79	-2.15	182	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	11	-3	1	5.04	5.64	-5.64	.14	.45600	-.60	-.52	178	
5	11	-2	1	88.41	90.16	-90.15	-1.12	.45119	-1.75	-2.15	181	
5	11	-1	1	15.30	16.84	-16.84	.15	.46049	-1.54	-3.43	178	
5	11	0	1	42.72	44.18	44.18	.37	.48308	-1.46	-3.35	0	
5	11	1	1	13.16	12.49	12.49	.23	.51723	.67	1.20	1	
5	11	2	1	23.77	25.36	-25.36	-.34	.56082	-1.59	-3.88	181	
5	11	3	1	27.28	27.75	-27.75	-.09	.61185	-.46	-1.13	181	
5	11	4	1	6.25	.91	.84	.36	.66861	5.33	3.54	23	
5	12	-8	1	5.73	4.25	4.24	.25	.66247	1.48	.95	3	
5	12	-7	1	4.99	5.36	-5.36	-.01	.60865	-.37	-.24	181	
5	12	-6	1	7.16	5.63	5.62	.30	.56115	1.53	1.59	3	
5	12	-5	1	3.05	6.83	-6.83	-.05	.52168	-3.78	-1.73	181	
5	12	-4	1	6.70	9.34	-9.34	.24	.49220	-2.64	-2.80	178	
5	12	-3	1	12.62	15.38	-15.38	-.14	.47456	-2.76	-5.18	181	
5	12	-2	1	2.94	.59	-.55	.20	.47011	2.36	1.12	159	
5	12	-1	1	4.29	2.62	2.62	-.07	.47920	.30	.15	359	
5	12	0	1	7.29	2.71	2.71	.04	.50110	1.58	1.04	0	
5	12	1	1	6.21	10.78	-10.78	-.14	.53424	-2.85	-2.92	181	
5	12	2	1	6.36	10.03	-10.03	-.12	.57668	-4.56	-3.52	181	
5	12	3	1	7.25	5.36	-5.36	-.18	.62654	-3.67	-2.62	182	
5	13	-8	1	18.50	20.43	20.42	.51	.67586	-1.89	1.41	1	
5	13	-7	1	60.68	62.38	-62.37	-.88	.62332	-1.70	-3.09	181	
5	13	-6	1	38.72	39.30	39.29	.70	.57716	-.58	-1.54	1	
5	13	-5	1	7.33	9.72	9.72	-.17	.53901	-2.39	-2.52	359	
5	13	-4	1	18.95	17.93	-17.93	.06	.51068	1.01	2.47	179	
5	13	-3	1	20.66	21.75	21.75	.04	.49385	-1.09	-2.80	0	
5	13	-2	1	66.47	66.04	-66.04	-.90	.48973	.43	.67	181	
5	13	-1	1	23.91	25.07	-25.06	-.28	.49861	-1.16	-3.20	181	
5	13	0	1	38.40	39.64	39.64	.23	.51984	-1.24	-3.33	0	
5	13	1	1	18.92	18.43	-18.43	-.43	.55199	.49	1.08	182	
5	13	2	1	3.36	2.07	-1.97	-.61	.59329	1.29	.54	198	
5	13	3	1	12.40	12.87	-12.87	-.01	.64198	-.47	-.62	181	
5	14	-8	1	4.15	.89	-.88	-.11	.69001	1.82	4.27	181	
5	14	-7	1	12.87	14.22	14.22	.14	.63875	3.27	1.47	182	
5	14	-6	1	5.61	8.12	8.12	-.02	.59392	-1.35	-1.93	0	
5	14	-5	1	3.09	2.60	2.60	.03	.55706	-.49	-.22	0	
5	14	-4	1	3.07	5.43	5.43	.04	.52983	-2.36	-1.08	0	
5	14	-3	1	8.93	10.58	10.57	.15	.51378	-1.64	-2.18	0	
5	14	-2	1	20.34	22.57	22.56	.26	.50997	-2.23	-5.43	0	
5	14	-1	1	8.78	9.36	9.36	.19	.51865	-.58	-.76	1	
5	14	0	1	9.99	11.75	11.74	.40	.53923	-1.75	-2.32	1	
5	14	1	1	9.97	9.19	9.19	.16	.57043	.78	1.00	1	
5	14	2	1	12.91	15.04	15.03	.53	.61060	-2.13	-3.01	2	
5	14	3	1	3.58	2.27	2.27	.13	.65813	1.31	.51	3	
5	15	-7	1	17.58	15.62	15.62	.38	.65490	1.96	3.51	1	
5	15	-6	1	38.02	38.57	38.56	.90	.61137	-.55	-1.49	1	
5	15	-5	1	16.36	13.68	-13.68	-.17	.57575	2.68	5.27	181	
5	15	-4	1	3.11	.54	.35	.41	.54960	2.57	1.16	49	
5	15	-3	1	39.95	40.21	40.21	.66	.53429	-.26	-.68	0	
5	15	-2	1	12.48	13.85	13.82	.91	.53076	-1.37	-2.29	3	
5	15	-1	1	4.85	5.94	5.94	.14	.53925	-1.08	-.74	1	
5	15	0	1	49.03	49.49	49.48	.10	.55921	-.46	-.99	1	
5	15	1	1	18.69	18.74	-18.74	-1.00	.58947	-.05	-.09	1	
5	15	2	1	50.70	50.65	50.64	1.36	.62856	.05	.10	181	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
5	15	3	1	29.73	28.34	28.33	.53	.67493	1.39	3.26	187	
5	16	-7	1	5.11	.48	-.48	-.05	.67169	4.62	2.56	187	
5	16	-6	1	9.02	9.41	-9.41	-.19	.62945	-.39	-.41	182	
5	16	-5	1	17.01	18.64	-18.64	-.20	.59505	-1.63	-3.06	181	
5	16	-4	1	17.20	19.35	-19.34	-.40	.56991	-2.15	-4.14	182	
5	16	-3	1	3.17	1.24	-1.23	-.11	.55529	1.94	.86	185	
5	16	-2	1	23.67	25.33	-25.33	-.61	.55204	-1.67	-4.16	182	
5	16	-1	1	3.17	7.35	-7.35	-.15	.56034	-4.18	-1.84	182	
5	16	0	1	7.49	9.88	-9.85	-.65	.57970	-2.38	-2.16	184	
5	16	1	1	8.29	9.47	-9.47	-.22	.60908	-1.18	-1.16	182	
5	16	2	1	21.76	23.62	-23.61	-.84	.64709	-1.86	-3.59	183	
5	16	3	1	4.41	9.08	-9.08	-.12	.66233	-4.67	-2.01	181	
5	17	-7	1	30.87	31.18	31.17	.30	.68910	-.31	-.70	0	
5	17	-6	1	15.06	15.90	-15.86	-1.12	.64811	-.83	-1.33	185	
5	17	-5	1	21.29	21.82	-21.82	-.39	.61487	-.53	-1.09	182	
5	17	-4	1	53.31	52.65	-52.63	-1.63	.59071	.65	1.36	182	
5	17	-3	1	7.77	6.87	-6.87	-.13	.57675	.90	.90	182	
5	17	-2	1	5.99	4.81	4.71	-.99	.57375	1.18	.91	349	
5	17	-1	1	3.25	1.34	1.33	-.14	.58187	1.91	.82	355	
5	17	0	1	10.46	8.52	8.52	-.03	.60067	-2.14	-3.51	182	
5	17	1	1	68.70	70.84	-70.82	-1.67	.62918	1.93	2.23	0	
5	17	2	1	1.61	1.61	1.33	-.90	.66617	2.04	.78	0	
5	18	-6	1	8.51	6.64	6.63	.31	.66729	1.87	1.68	2	
5	18	-5	1	6.42	9.30	9.30	.19	.63518	-2.88	-2.10	1	
5	18	-4	1	23.73	25.34	25.33	.63	.61195	-1.61	-3.55	1	
5	18	-3	1	7.28	8.14	8.14	.16	.59861	-.86	-.78	1	
5	18	-2	1	15.15	16.57	16.55	.74	.59585	-1.42	-2.31	2	
5	18	-1	1	8.72	9.32	9.32	.15	.60380	-.60	-.64	0	
5	18	0	1	30.55	31.72	31.70	1.00	.62206	-1.16	-2.87	1	
5	18	1	1	4.92	.12	-.11	.04	.64975	4.80	2.61	159	
5	18	2	1	21.80	22.46	22.43	1.01	.68573	-.66	-1.24	2	
5	19	-6	1	35.39	38.55	38.53	1.27	.68697	-3.16	-7.70	1	
5	19	-5	1	32.23	33.25	33.24	.65	.65594	-1.02	-2.52	1	
5	19	-4	1	29.81	30.39	30.33	1.79	.63358	-.58	-1.44	3	
5	19	-3	1	32.78	31.40	-31.39	-.48	.62083	1.38	3.60	181	
5	19	-2	1	74.21	75.17	75.15	1.81	.61829	-.96	-1.56	1	
5	19	-1	1	3.41	3.60	3.60	1.02	.62608	-.19	-.08	0	
5	19	0	1	27.16	28.04	28.00	1.48	.64382	-.88	-2.00	3	
5	19	1	1	48.83	49.94	49.94	.50	.67073	-1.11	-2.35	0	
5	20	-5	1	4.42	4.43	-4.43	-.14	.67709	-.01	-.01	182	
5	20	-4	1	25.14	25.44	-25.43	-.73	.65557	-.31	-.66	182	
5	20	-3	1	3.51	5.45	-5.45	-.13	.64338	-1.94	-.77	182	
5	20	-2	1	19.33	20.43	-20.42	-.85	.64104	-1.10	-2.02	183	
5	20	-1	1	3.50	3.50	.91	-.05	.64867	2.59	1.04	357	
5	20	0	1	17.29	19.75	-19.73	-.94	.66593	-2.46	-3.87	183	
5	20	1	1	3.76	4.41	-4.41	-.04	.69209	-.64	-.24	181	
5	21	-5	1	39.12	37.89	37.89	.67	.69860	1.23	3.09	1	
5	21	-4	1	29.70	30.63	-30.59	-1.56	.67788	-.93	-2.17	183	
5	21	-3	1	46.83	47.49	-47.49	-.43	.66621	-.66	-1.57	181	
5	21	-2	1	8.02	6.64	-6.64	.05	.66407	-2.94	-6.82	182	
5	21	-1	1	40.21	40.88	-40.86	-1.23	.68834	1.38	1.16	179	
5	22	0	1	7.73	8.27	8.25	.61	.70048	-.67	-1.47	182	
5	22	-3	1	3.61	1.96	1.96	.06	.68930	-.55	-.41	4	
5	22	-2	1	29.28	29.36	29.35	.91	.68735	1.65	.64	1	
5	22	-1	1	3.70	4.98	-4.98	-.04	.69469	-1.27	-.48	181	

H	R	L	GRP	FD	FC	A	B	SINTH/LM	DF	M*DF	ANGLE CALC	ANGLE STAT
6	-23	-3	1	7.17	6.27	-6.26	-.36	.69978	.90	.63	184	
6	-23	-2	1	13.09	14.19	14.18	.54	.66670	-1.11	-1.34	184	
6	-23	-1	1	8.09	10.30	-10.29	-.39	.70280	-2.21	-1.71	183	
6	-22	-4	1	8.35	10.62	10.60	.60	.69036	-2.27	-1.87	3	
6	-22	-3	1	12.93	10.99	10.99	.08	.67794	1.93	2.52	0	
6	-22	-2	1	48.94	48.76	48.74	1.36	.67487	.18	.37	1	
6	-22	-1	1	8.70	5.48	-5.47	-.29	.68127	3.22	2.91	184	
6	-22	0	1	3.77	3.92	-3.86	.66	.69689	-1.15	-.06	170	
6	-21	-5	1	4.03	1.90	1.88	.28	.69096	2.13	.89	8	
6	-21	-4	1	23.93	23.88	-23.87	-.79	.66914	.05	.10	182	
6	-21	-3	1	8.01	7.14	7.13	.35	.65643	.87	.77	2	
6	-21	-2	1	18.16	19.28	-19.26	-.88	.65338	-1.11	-1.93	183	
6	-21	-1	1	3.57	1.80	-1.79	.17	.66011	1.77	.69	174	
6	-21	0	1	32.88	34.35	-34.33	-1.10	.67633	-1.48	-3.47	182	
6	-21	1	1	4.95	2.18	2.17	.20	.70139	2.77	1.36	5	
6	-20	-6	1	31.18	29.14	-29.11	-1.25	.70157	2.04	4.61	183	
6	-20	-5	1	9.48	10.19	-10.19	-.14	.67070	-.71	-.70	181	
6	-20	-4	1	23.15	23.10	-23.07	-1.18	.64831	.05	.11	183	
6	-20	-3	1	8.46	5.81	-5.81	.01	.63531	2.65	2.61	179	
6	-20	-2	1	5.43	4.28	-4.15	-1.05	.63227	1.15	.70	195	
6	-20	-1	1	22.60	22.17	22.17	.16	.63934	.43	.89	0	
6	-20	0	1	60.56	60.70	-60.69	-1.43	.65619	-1.4	-.24	182	
6	-20	1	1	13.54	13.61	-13.61	-.21	.68210	-.07	-.09	181	
6	-19	-6	1	21.94	22.81	22.80	.73	.68254	-.87	-1.66	182	
6	-19	-5	1	9.72	7.43	-7.43	-.23	.65088	2.29	2.44	3	
6	-19	-4	1	11.34	13.81	13.81	-.10	.61460	-2.49	-3.03	0	
6	-19	-3	1	9.70	8.42	8.42	.82	.62791	1.28	1.49	0	
6	-19	-2	1	48.88	50.15	50.14	1.31	.61158	-1.27	-2.72	1	
6	-19	-1	1	3.44	1.27	-1.26	-.18	.61901	2.14	.88	189	
6	-19	0	1	16.06	18.53	18.49	1.09	.63652	-2.47	-3.94	3	
6	-19	1	1	6.89	5.64	5.64	-.05	.66331	1.25	.91	0	
6	-19	2	1	31.12	32.49	32.47	1.23	.69831	-1.37	-3.02	2	
6	-18	-7	1	6.76	5.09	5.08	.05	.70415	1.67	1.14	0	
6	-18	-6	1	7.37	9.36	9.30	1.08	.66402	-1.99	-1.58	6	
6	-18	-5	1	25.42	25.59	25.59	.18	.63155	-.17	-.41	0	
6	-18	-4	1	84.21	84.61	84.58	2.11	.60797	-.40	-.54	1	
6	-18	-3	1	38.74	38.93	-38.92	-.41	.59434	-.19	-.50	181	
6	-18	-2	1	5.89	6.22	6.15	.91	.59135	-.33	-.23	8	
6	-18	-1	1	29.01	28.87	28.87	.54	.59916	.13	.34	1	
6	-18	0	1	33.48	34.78	34.77	1.07	.61736	-1.30	-3.43	1	
6	-18	1	1	13.37	15.88	15.87	.31	.64506	-2.50	-3.39	1	
6	-18	2	1	16.51	17.00	16.98	.78	.68111	-.49	-.75	1	
6	-17	-7	1	3.59	.85	-.84	.09	.68713	2.75	1.07	2	
6	-17	-6	1	21.13	21.78	-21.76	-.82	.64606	-.65	-1.28	173	
6	-17	-5	1	7.14	.17	-.14	.10	.61276	6.97	6.00	183	
6	-17	-4	1	23.44	.17	-.15	-.97	.58856	-.73	-1.71	145	
6	-17	-3	1	3.22	2.15	-2.15	.01	.57460	1.08	.47	183	
6	-17	-2	1	29.26	31.43	-31.41	-1.08	.57164	-2.17	-5.66	182	
6	-17	-1	1	4.92	1.92	-1.92	.01	.57984	3.00	.85	179	
6	-17	0	1	29.15	29.64	-29.62	-1.13	.59875	-.49	-1.28	183	
6	-17	1	1	4.50	.13	.13	-.02	.62740	4.37	2.31	352	
6	-17	2	1	26.84	28.06	-28.04	-1.11	.66453	-1.22	-2.63	183	
6	-16	-7	1	31.89	32.10	-32.10	-.31	.67072	-.21	-.50	181	
6	-16	-6	1	81.50	82.19	-82.17	-1.84	.62869	-.69	-.91	181	
6	-16	-5	1	25.12	24.80	24.80	.11	.59455	.32	.77	182	
6	-16	-4	1	3.20	2.15	-1.96	-.90	.56971	1.05	.46	205	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W+DF	ANGLE CALC	ANGLE STAT
6	-16	-3	1	48.90	51.45	-51.44	-.56	.55542	-2.55	-5.42	181	
6	-16	-2	1	34.34	36.48	-36.46	-1.30	.55249	-2.14	-5.83	183	
6	-16	-1	1	6.05	3.06	-3.06	-.04	.56111	2.99	2.44	181	
6	-16	0	1	53.00	54.53	-54.52	-1.05	.58076	-1.53	-2.84	182	
6	-16	1	1	10.75	9.50	-9.50	-.19	.61037	1.25	1.55	182	
6	-16	2	1	13.60	12.28	-12.27	-.52	.64859	1.33	1.90	183	
6	-16	3	1	32.90	33.37	-33.37	-.56	.69400	-.47	-1.09	181	
6	-15	-8	1	11.15	14.33	14.32	.59	.70446	-3.18	-3.39	181	
6	-15	-7	1	7.23	4.16	-4.16	-.04	.65496	3.07	2.56	181	
6	-15	-6	1	7.46	10.17	10.14	.68	.61198	-2.71	-2.35	3	
6	-15	-5	1	9.88	11.55	11.55	.11	.57699	-1.67	-2.09	0	
6	-15	-4	1	26.26	26.00	-25.98	.96	.55149	.26	.69	2	
6	-15	-3	1	10.74	9.57	-9.57	-.03	.53685	1.17	1.68	181	
6	-15	-2	1	25.52	26.65	26.64	.84	.53397	-1.13	-3.04	1	
6	-15	-1	1	6.31	7.71	7.71	.20	.54302	-1.40	-1.22	1	
6	-15	0	1	24.09	25.00	24.98	.86	.56343	-.91	-2.20	1	
6	-15	1	1	12.04	11.66	11.65	.24	.59404	1.82	1.42	1	
6	-15	2	1	6.74	4.92	4.88	.60	.63337	.38	.53	1	
6	-15	3	1	11.56	12.41	-12.41	-.04	.67990	-1.84	1.42	7	
6	-14	-8	1	39.66	39.52	-39.50	1.35	.69039	.14	.36	181	
6	-14	-7	1	3.43	1.53	-1.52	.17	.63992	1.90	.77	173	
6	-14	-6	1	51.30	53.26	53.23	1.51	.59598	-1.96	-3.94	1	
6	-14	-5	1	3.15	3.97	3.97	.07	.56012	-.82	-.36	0	
6	-14	-4	1	5.51	3.96	-3.91	.61	.53396	1.55	1.28	171	
6	-14	-3	1	30.42	30.95	30.94	.60	.51898	-.53	-1.60	1	
6	-14	-2	1	43.71	46.00	45.99	1.07	.51614	-2.29	-4.99	1	
6	-14	-1	1	3.11	4.38	-4.38	.06	.52564	-1.27	-.57	179	
6	-14	0	1	5.66	3.87	3.86	.24	.54684	1.79	1.42	3	
6	-14	1	1	13.78	12.76	-12.76	.06	.57846	1.02	1.65	179	
6	-14	2	1	14.83	15.54	15.54	.48	.61890	-.71	-1.15	1	
6	-14	3	1	31.13	32.75	32.75	.53	.66656	-1.63	-3.75	0	
6	-13	-8	1	16.83	16.54	-16.54	-.52	.67706	.28	.46	182	
6	-13	-7	1	3.39	2.64	-2.64	-.09	.62564	.75	.31	182	
6	-13	-6	1	8.35	9.24	9.22	-.57	.58075	-.89	-.94	184	
6	-13	-5	1	3.08	3.05	-3.05	-.17	.54403	.03	.01	184	
5	-13	-4	1	9.79	9.03	-9.01	-.52	.51720	.76	1.08	184	
6	-13	-3	1	11.84	11.26	-11.26	-.20	.50186	.58	.98	182	
6	-13	-2	1	12.16	12.87	-12.86	-.52	.49908	-.71	-1.23	183	
6	-13	-1	1	3.14	.51	-.49	-.15	.50905	2.63	1.25	198	
6	-13	0	1	15.01	14.69	-14.68	-.47	.53106	.32	.62	182	
6	-13	1	1	6.71	9.00	-8.99	-.24	.56370	-2.29	-1.92	182	
6	-13	2	1	3.39	1.34	-1.34	-.10	.60525	2.05	.85	185	
6	-13	3	1	7.42	4.57	-4.57	-.28	.65402	2.85	2.28	184	
6	-12	-8	1	7.28	8.59	-8.55	-.86	.66452	-1.31	-1.04	186	
6	-12	-7	1	21.55	21.47	-21.46	-.36	.61217	.08	.17	181	
6	-12	-6	1	14.83	14.33	-14.33	-.17	.56635	.50	.90	0	
6	-12	-5	1	33.11	33.61	-33.61	-.58	.52877	-.51	-1.58	181	
6	-12	-4	1	42.16	42.97	-42.96	-.98	.50127	-.81	-2.01	182	
6	-12	-3	1	66.66	66.88	-66.87	-.42	.48559	-.22	-.34	0	
6	-12	-2	1	6.35	7.09	-7.09	-.10	.48287	-.74	-.73	181	
6	-12	-1	1	36.62	38.83	-38.82	-.59	.49332	-2.21	-5.64	181	
6	-12	0	1	8.71	9.07	-9.07	.11	.51615	-.36	-.44	179	
6	-12	1	1	33.45	33.97	-33.97	.47	.54981	-.52	-1.39	181	
6	-12	2	1	19.70	18.80	-18.80	.20	.59247	.90	1.81	0	
6	-12	3	1	29.10	28.27	-28.27	.35	.64233	.64	1.99	0	
6	-12	4	1	14.68	14.27	-14.27	-.01	.69785	.42	.58	181	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
6	-11	-8	1	3.74	4.08	4.07	.28	.65281	-.35	-.15	3	
6	-11	-7	1	6.93	5.40	5.40	.19	.59956	1.52	1.36	2	
6	-11	-6	1	3.51	3.02	3.00	.30	.55284	.49	.25	5	
6	-11	-5	1	10.33	9.25	-9.25	.10	.51442	1.08	1.63	179	
6	-11	-4	1	3.94	3.13	-3.13	.12	.48627	.81	.51	177	
6	-11	-3	1	10.22	8.88	8.88	.30	.47025	1.34	2.07	1	
6	-11	-2	1	9.60	6.70	6.70	.09	.46760	2.90	4.40	0	
6	-11	-1	1	7.52	6.47	6.47	.26	.47855	1.05	1.21	2	
6	-11	0	1	13.65	13.85	-13.85	-.26	.50220	-.20	-.38	182	
6	-11	1	1	3.12	5.08	-5.08	.14	.53688	-1.96	-.88	178	
6	-11	2	1	15.23	14.69	-14.69	-.26	.58062	.54	.96	181	
6	-11	3	1	10.25	10.24	10.23	.29	.63153	.01	.01	1	
6	-11	4	1	19.30	19.83	-19.82	-.62	.68803	-.53	-.89	182	
6	-10	-9	1	32.55	32.27	32.26	.62	.70108	.29	.67	1	
6	-10	-8	1	24.11	24.80	24.80	.32	.64198	-.69	-1.50	0	
6	-10	-7	1	25.69	24.80	-24.80	-.14	.58788	.89	2.25	181	
6	-10	-6	1	32.52	33.99	33.99	.21	.54029	-1.46	-4.15	0	
6	-10	-5	1	24.24	25.01	25.01	.45	.50106	-.77	-2.21	1	
6	-10	-4	1	19.42	17.67	-17.67	-.19	.47228	1.75	4.46	181	
6	-10	-3	1	68.95	71.95	71.95	.52	.45593	-3.00	-4.95	0	
6	-10	-2	1	26.87	25.63	-25.62	-.81	.45337	1.24	3.91	182	
6	-10	-1	1	21.48	23.04	-23.04	-.02	.46481	-1.56	-4.31	181	
6	-10	0	1	25.59	26.67	26.67	.09	.48928	-1.08	-3.06	0	
6	-10	1	1	9.30	10.97	10.97	.01	.52496	-1.67	-2.16	0	
6	-10	2	1	16.90	16.25	-16.22	-.92	.56975	.65	1.24	184	
6	-10	3	1	3.43	3.74	-3.74	.14	.62167	-.31	-.13	177	
6	-10	4	1	5.24	4.63	-4.60	-.50	.67911	.61	.33	187	
6	-9	-9	1	3.62	.58	-.57	-.13	.69192	3.04	1.17	193	
6	-9	-8	1	3.36	1.46	-1.46	-.08	.63208	1.90	.79	358	
6	-9	-7	1	5.69	2.36	-2.35	-.18	.57718	3.33	2.67	185	
6	-9	-6	1	17.60	18.00	18.00	.15	.52877	-.40	-.90	0	
6	-9	-5	1	7.77	9.35	-9.35	-.23	.48877	2.42	3.08	183	
6	-9	-4	1	8.62	9.86	9.85	.24	.45939	-1.24	-1.74	1	
6	-9	-3	1	16.33	17.33	17.33	.13	.44273	-1.01	-2.46	0	
6	-9	-2	1	7.13	7.75	7.74	.43	.44026	-.62	-.73	3	
6	-9	-1	1	10.53	8.43	-8.42	-.25	.45221	2.10	3.65	182	
6	-9	0	1	31.50	34.01	34.00	.81	.47748	-2.52	-7.01	1	
6	-9	1	1	7.67	5.28	-5.27	-.29	.51413	2.39	2.65	184	
6	-9	2	1	30.87	32.24	32.23	.85	.55992	-1.37	-3.84	1	
6	-9	3	1	3.40	3.06	3.06	.07	.61280	-.34	.14	359	
6	-9	4	1	21.93	22.91	22.89	.89	.67111	.98	.14	0	
6	-8	-9	1	8.62	6.20	6.20	-.07	.68365	-.98	-1.81	2	
6	-8	-8	1	8.48	7.40	7.38	.47	.62314	2.42	2.21	0	
6	-8	-7	1	35.93	35.54	-35.53	-.57	.56752	1.09	1.10	3	
6	-8	-6	1	20.24	18.94	-18.93	-.57	.51835	.40	1.04	181	
6	-8	-5	1	44.07	43.34	43.34	.30	.47764	1.30	3.17	179	
6	-8	-4	1	90.74	89.84	89.83	.21	.44769	.74	1.77	0	
6	-8	-3	1	31.09	30.68	-30.67	-.45	.43076	.90	1.11	0	
6	-8	-2	1	7.61	7.88	-7.85	.69	.42840	.41	1.18	181	
6	-8	-1	1	4.25	4.13	-4.13	-.06	.44084	-.27	-.35	181	
6	-8	0	1	30.39	32.36	32.34	.04	.46689	.12	.09	1	
6	-8	1	1	10.00	9.83	9.83	.76	.55119	-1.97	-5.03	0	
6	-8	2	1	17.66	17.26	17.24	.04	.50446	.17	.25	0	
6	-8	3	1	15.52	16.31	-16.31	-.09	.60496	.40	.81	2	
6	-8	4	1	30.15	30.93	30.92	.89	.66407	-.79	-1.32	181	
6	-7	-9	1	3.54	.15	-.11	.10	.67633	-.78	-1.79	1	
6	-7	-9	1						3.39	1.34	138	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
6	-7	-8	1	5.35	8.23	-8.23	-2.20	.61522	-2.88	-1.85	182
6	-7	-7	1	8.69	8.17	-8.17	.09	.55894	.52	.64	179
6	-7	-6	1	20.89	23.63	-23.63	-.47	.50910	-2.74	-6.83	182
6	-7	-5	1	9.95	6.91	6.91	.24	.46774	3.04	4.99	1
6	-7	-4	1	28.49	30.40	-29.99	-.70	.43729	-1.51	-4.40	182
6	-7	-3	1	12.28	11.54	11.54	.23	.42012	.74	1.53	1
6	-7	-2	1	33.94	35.76	-35.75	-1.01	.41788	-1.82	-5.16	182
6	-7	-1	1	7.94	9.46	-9.46	.13	.43080	-1.51	-2.05	179
6	-7	0	1	15.54	16.99	-16.99	-.93	.45759	-1.44	-3.13	184
6	-7	1	1	4.73	4.17	4.17	.14	.49602	.55	.40	1
6	-7	2	1	46.63	50.04	-50.02	-1.40	.54361	-3.41	-7.29	182
6	-7	3	1	9.75	11.46	-11.46	.10	.59820	-1.71	-1.96	179
6	-7	4	1	27.64	29.55	-29.52	-1.24	.65803	-1.91	-4.22	183
6	-6	-9	1	29.03	27.46	-27.45	-.31	.66997	1.57	3.74	181
6	-6	-8	1	23.78	25.51	-25.49	-1.05	.60835	-1.73	-3.98	183
6	-6	-7	1	27.17	26.50	26.49	.60	.55151	.67	1.83	1
6	-6	-6	1	88.79	86.03	-86.01	-1.74	.50107	2.77	3.12	182
6	-6	-5	1	22.16	21.18	21.18	.24	.45916	.98	2.88	0
6	-6	-4	1	34.79	35.09	-35.06	-1.38	.42827	-.30	-.85	183
6	-6	-3	1	69.46	70.94	-70.94	-.29	.41092	-1.48	-2.67	181
6	-6	-2	1	30.17	29.39	29.37	-.80	.40881	.79	2.34	359
6	-6	-1	1	9.07	8.37	8.36	.07	.42218	.70	1.13	0
6	-6	0	1	139.24	144.99	-144.98	-2.17	.44966	-5.75	-7.15	181
6	-6	1	1	2.97	.29	.26	.13	.48886	2.68	1.26	26
6	-6	2	1	3.21	1.58	-1.42	-.71	.53724	1.63	.71	207
6	-6	3	1	6.57	6.67	6.67	-.11	.59253	-.10	-.08	0
6	-6	4	1	15.69	17.77	-17.75	-.76	.65300	-2.07	-3.20	183
6	-5	-9	1	5.51	.92	.92	-.08	.66460	4.59	2.91	355
6	-5	-8	1	14.91	16.11	16.11	.48	.60256	-1.21	-2.06	1
6	-5	-7	1	3.01	1.90	1.89	-.12	.54526	1.12	.52	357
6	-5	-6	1	27.52	28.99	28.99	.73	.49434	-1.47	-4.48	1
6	-5	-5	1	6.10	6.52	6.52	-.09	.45197	-.41	-.45	0
6	-5	-4	1	35.77	36.57	36.55	1.01	.42074	-.80	-2.27	1
6	-5	-3	1	2.69	2.11	2.11	-.13	.40324	.58	.30	357
6	-5	-2	1	34.35	35.00	34.98	1.23	.40128	-.65	-1.76	2
6	-5	-1	1	7.77	6.99	6.99	-.18	.41508	.79	1.07	182
6	-5	0	1	49.15	52.65	52.63	1.40	.44317	-3.50	-6.70	1
6	-5	1	1	2.98	3.97	3.97	-.06	.48306	-.99	-.46	0
6	-5	2	1	41.44	43.95	43.93	1.40	.53210	-2.51	-5.74	1
6	-5	3	1	3.43	5.42	5.42	-.02	.58801	-1.99	-.84	0
6	-5	4	1	31.70	31.79	31.76	1.31	.64902	-.09	-.21	2
6	-4	-9	1	56.45	55.11	-55.11	-.88	.66026	1.33	2.54	181
6	-4	-8	1	8.49	6.29	6.09	1.57	.59789	2.20	2.48	14
6	-4	-7	1	47.16	47.48	47.47	.45	.54023	-.32	-.69	0
6	-4	-6	1	73.26	72.07	72.05	1.73	.44895	1.20	1.92	1
6	-4	-5	1	17.89	15.62	-15.62	-.20	.44623	2.27	6.02	181
6	-4	-4	1	27.27	25.80	25.75	1.59	.41476	1.47	4.31	3
6	-4	-3	1	36.44	36.08	-36.08	-.21	.39719	.37	.94	181
6	-4	-2	1	145.48	149.82	149.80	2.34	.39539	-4.34	-5.90	0
6	-4	-1	1	6.63	4.65	-4.65	-.03	.40958	-4.34	-5.90	0
6	-4	0	1	70.17	71.25	-71.24	.55	.43819	1.99	2.41	181
6	-4	1	1	23.81	25.14	25.13	.33	.47865	-1.07	-1.81	179
6	-4	2	1	33.27	35.02	35.00	1.27	.52825	-1.33	-3.70	0
6	-4	3	1	6.16	4.84	4.84	.02	.58466	-1.75	-4.84	2
6	-4	4	1	50.27	50.75	50.74	1.04	.64610	1.32	1.07	0
6	-3	-9	1	3.47	2.04	-2.04	.04	.65695	-4.48	-.99	1
6	-3	-8	1						1.43	.58	178

ANGLE  
STAT



H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	M*DF	ANGLE CALC	ANGLE STAT
6	-3	-8	1	19.08	20.34	-20.33	-.62	.59437	-1.26	-2.70	182	
6	-3	-7	1	3.06	.57	-.57	.06	.53647	2.49	1.14	182	
6	-3	-6	1	36.01	33.69	-33.67	-.93	.48494	2.32	6.47	182	
6	-3	-5	1	2.78	3.99	-3.99	.07	.44202	-1.21	-.61	179	
6	-3	-4	1	44.58	43.29	-43.27	-1.19	.41040	1.29	3.04	182	
6	-3	-3	1	6.79	7.88	-7.88	.04	.39283	-1.09	-1.45	179	
6	-3	-2	1	17.70	17.17	-17.13	-1.16	.39121	.53	1.48	184	
6	-3	-1	1	3.99	2.56	-2.56	.04	.40572	1.43	1.10	179	
6	-3	0	1	67.83	68.25	-68.23	-1.58	.43477	-.42	-.71	182	
6	-3	1	1	2.95	3.02	3.02	.12	.47568	-.07	-.03	2	
5	-3	2	1	45.50	45.37	-45.35	-1.32	.52570	.13	.28	182	
6	-3	3	1	6.44	3.42	3.42	.03	.58249	3.22	2.79	0	
6	-3	4	1	22.45	22.19	-22.16	-1.14	.64425	.26	.53	183	
6	-2	-9	1	18.47	17.11	-17.10	.30	.65471	1.37	2.56	1	
6	-2	-8	1	54.34	54.51	-54.47	-2.00	.59201	-.17	-.36	183	
6	-2	-7	1	34.19	34.32	-34.32	-1.20	.53400	-.14	-.39	182	
6	-2	-6	1	61.02	57.23	-57.20	-1.90	.48237	3.79	7.30	182	
6	-2	-5	1	26.72	24.80	-24.80	.19	.43936	1.92	6.44	0	
6	-2	-4	1	43.86	41.98	-41.95	-1.61	.40772	1.88	4.99	183	
6	-2	-3	1	2.62	2.37	-2.37	-.04	.39022	.25	.13	182	
6	-2	-2	1	76.06	75.64	-75.61	-1.86	.38879	.42	.56	182	
6	-2	-1	1	29.44	30.66	-30.66	-.12	.40358	-1.22	-3.82	181	
6	-2	0	1	36.81	38.85	-38.84	-1.01	.43294	-2.04	-5.28	181	
6	-2	1	1	16.28	15.64	-15.64	.03	.47417	.64	1.40	0	
6	-2	2	1	35.66	37.33	-37.31	-1.16	.52448	-1.66	-4.18	182	
6	-2	3	1	20.76	22.62	-22.62	-.29	.58151	-1.85	-3.99	181	
6	-2	4	1	3.61	5.09	-5.08	-.27	.64349	-1.48	-.60	184	
6	-1	-9	1	17.40	6.51	6.50	.06	.65352	.32	.25	0	
6	-1	-7	1	3.04	17.29	17.28	.66	.59083	.11	.22	2	
6	-1	-6	1	39.47	38.07	-38.06	.96	.48123	-1.16	-.07	0	
6	-1	-5	1	2.75	1.12	-1.12	-.01	.43829	1.40	3.81	1	
6	-1	-4	1	31.08	28.92	-28.90	1.10	.40675	2.16	.83	181	
6	-1	-3	1	4.51	5.97	-5.97	-.09	.38941	-1.46	6.82	2	
6	-1	-2	1	41.81	40.74	-40.72	1.24	.38816	1.08	-1.32	181	
6	-1	-1	1	4.89	.04	.04	-.01	.40316	4.86	4.55	352	
6	-1	0	1	19.94	20.18	20.15	1.07	.43273	-.24	-.65	3	
6	-1	1	1	11.27	12.55	12.55	.07	.47414	-1.28	-2.11	0	
6	-1	2	1	31.38	31.50	31.48	1.05	.52459	-.12	-.33	1	
6	-1	3	1	6.70	5.26	-5.26	-.10	.58175	1.44	1.22	182	
6	0	-9	1	27.27	26.42	-26.40	.98	.64382	.85	1.96	2	
6	0	-8	1	73.17	77.70	77.69	.92	.65341	-4.53	-7.02	0	
6	0	-7	1	51.40	57.23	57.20	1.66	.59084	-5.83	-10.67	1	
6	0	-6	1	63.18	60.61	-60.60	-.66	.53298	2.57	4.66	181	
6	0	-5	1	67.46	62.69	62.66	1.96	.48155	4.77	7.60	1	
6	0	-4	1	59.18	59.41	59.41	.16	.43881	-.23	-.47	0	
6	0	-3	1	115.42	111.57	-111.55	1.96	.40750	3.86	5.09	1	
6	0	-2	1	43.62	44.83	44.83	.26	.39039	-1.21	-2.93	0	
6	0	-1	1	35.35	32.98	-32.98	.42	.38934	2.37	6.61	179	
6	0	0	1	87.93	.07	-.00	.07	.40449	2.68	1.36	90	
6	0	1	1	18.05	18.31	-18.31	1.50	.43414	-4.00	-5.01	0	
6	0	2	1	23.75	23.30	-23.30	-.23	.47558	-.26	-.61	181	
6	0	3	1	8.89	11.67	11.67	.45	.52604	.45	1.16	1	
6	0	4	1	15.84	16.35	16.35	.22	.58319	-2.78	-3.05	0	
6	1	-9	1	5.20	3.31	-3.31	-.07	.65437	1.90	1.15	182	

H	K	L	GRP	FD	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
6	1	-8	1	17.58	17.87	-17.86	-.65	.59203	-.30	-.59	182	
6	1	-7	1	3.02	.54	-.54	-.02	.53445	2.49	1.15	183	
6	1	-6	1	24.95	23.02	-23.01	-.80	.48333	1.93	5.76	182	
6	1	-5	1	2.76	3.49	3.49	-.01	.44093	-.73	-.37	0	
6	1	-4	1	20.03	19.28	-19.27	-.82	.40997	.75	2.19	183	
6	1	-3	1	6.47	2.67	-2.67	-.04	.39316	3.81	4.93	181	
6	1	-2	1	23.04	21.14	-21.12	-.90	.39231	1.89	6.34	183	
6	1	-1	1	4.25	4.24	4.24	.05	.40753	.01	.01	0	
6	1	0	1	21.62	21.96	-21.94	-.73	.43715	-.33	-.91	182	
6	1	1	1	9.91	8.98	8.98	.06	.47849	.93	1.38	0	
6	1	2	1	22.69	23.16	-23.15	-.66	.52882	-.47	-1.15	182	
6	1	3	1	9.83	8.95	8.95	-.09	.58582	.88	1.07	181	
6	1	4	1	5.94	4.44	4.44	-.26	.64774	1.50	1.90	357	
6	1	4	1	17.47	16.40	16.40	.26	.65640	1.07	1.90	0	
6	2	-9	1	52.40	56.56	-56.53	-1.75	.59440	-4.16	-8.51	182	
6	2	-8	1	15.07	15.97	-15.97	-.02	.53721	-.90	-1.81	181	
6	2	-7	1	17.49	17.97	-17.95	-.90	.48654	-.49	-1.18	183	
6	2	-6	1	2.77	1.96	-1.96	-.35	.44462	.81	.41	191	
6	2	-5	1	22.43	22.33	-22.30	-1.03	.41412	.11	.32	183	
6	2	-4	1	44.45	41.82	41.81	.47	.39767	2.64	6.42	0	
6	2	-3	1	77.81	78.37	-78.37	-.94	.39703	-.56	-.74	181	
6	2	-2	1	11.73	13.43	-13.43	-.01	.41226	-1.70	-3.42	181	
6	2	0	1	33.17	32.90	32.90	-.30	.44173	.27	.68	0	
6	2	1	1	52.85	55.77	-55.77	-.53	.48284	-2.92	-5.44	181	
6	2	2	1	25.24	23.80	23.80	.36	.53290	1.44	3.76	0	
6	2	3	1	36.47	35.49	35.49	.41	.58963	.98	2.57	0	
6	2	4	1	36.87	36.71	-36.71	-.47	.65130	.16	.37	181	
6	3	-9	1	7.79	4.15	-4.15	-.00	.65949	3.64	3.22	181	
6	3	-8	1	10.48	10.24	10.23	.48	.59794	.24	.31	2	
6	3	-7	1	3.87	1.00	1.00	.07	.54126	2.87	1.64	3	
6	3	-6	1	17.74	15.37	15.36	.54	.49116	2.37	5.95	2	
6	3	-5	1	6.17	3.20	-3.20	-.01	.44984	2.97	3.30	181	
6	3	-4	1	14.05	12.52	12.51	.52	.41990	1.53	3.39	2	
6	3	-3	1	4.29	4.74	-4.74	.02	.40388	-.45	-.37	179	
6	3	-2	1	18.60	20.55	-20.55	.24	.40343	-1.95	-5.47	179	
6	3	-1	1	2.80	.89	.89	.02	.41861	1.91	.96	1	
6	3	0	1	28.03	28.38	28.37	.33	.44783	-.34	-.98	0	
6	3	1	1	11.35	13.36	-13.36	-.11	.48858	-2.00	-3.29	181	
6	3	2	1	3.15	.34	.34	.10	.53825	2.81	1.25	16	
6	3	3	1	3.35	1.30	1.30	-.03	.59460	2.05	1.86	359	
6	3	4	1	9.35	10.45	-10.45	-.24	.65592	-1.10	-1.09	182	
6	4	-9	1	34.37	35.52	-35.52	-.58	.66362	-1.16	-2.97	181	
6	4	-8	1	12.44	14.39	14.37	.80	.60262	-1.94	-2.89	3	
6	4	-7	1	28.59	30.01	30.00	.43	.54657	-1.42	-4.05	0	
6	4	-6	1	47.67	46.87	46.86	.81	.49716	.80	1.68	0	
6	4	-5	1	25.00	23.29	-23.29	-.33	.45654	1.71	5.06	181	
6	4	-4	1	26.71	24.67	-24.67	-.04	.42725	2.04	6.49	181	
6	4	-3	1	31.66	32.05	32.04	.25	.41169	-.38	-1.15	0	
6	4	-2	1	53.19	56.68	-56.68	.40	.41144	-3.49	-7.33	0	
6	4	-1	1	32.48	31.93	-31.93	-.17	.42651	.55	1.60	181	
6	4	0	1	85.27	84.47	-84.46	-.74	.45539	.80	.97	181	
6	4	1	1	9.65	10.00	-10.00	-.18	.49567	-.35	-.48	182	
6	4	2	1	46.51	47.00	47.00	.11	.54483	-.49	-1.05	0	
6	4	3	1	16.38	16.93	16.93	.20	.60070	-.55	-.98	0	
6	4	4	1	27.78	26.63	-26.62	-.68	.66156	1.15	2.57	182	
6	5	-9	1	3.50	.39	-.38	-.04	.66878	3.12	1.24	186	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
6	5	-8	1	4.53	1.76	-1.74	-.22	.60841	2.78	1.64	181
6	5	-7	1	3.16	3.58	3.58	-.03	.55309	-1.42	-.20	188
6	5	-6	1	3.05	1.67	1.67	-.15	.50447	1.37	.70	355
6	5	-5	1	4.08	4.77	4.77	-.02	.46466	-.69	-.49	0
6	5	-4	1	2.75	6.36	6.36	.04	.43608	-3.61	-1.83	0
6	5	-3	1	9.97	10.23	10.23	.07	.42104	-.26	-.47	0
6	5	-2	1	11.40	12.35	12.35	.12	.42097	-.95	-1.84	0
6	5	-1	1	4.90	4.98	4.98	.04	.43588	-.09	-.07	0
6	5	0	1	15.96	18.28	18.28	.34	.46435	-2.33	-5.07	1
6	5	1	1	3.07	5.16	-5.16	-.06	.50406	-2.09	-.95	181
6	5	2	1	20.38	22.39	22.39	.62	.55261	-2.01	-4.51	1
6	5	3	1	14.84	16.35	16.35	.17	.60788	-1.51	-2.45	0
6	5	4	1	8.05	8.35	8.35	.46	.66821	-.30	-.25	3
6	6	-9	1	34.57	39.69	-39.69	-.44	.67494	-5.12	-12.77	181
6	6	-8	1	10.58	11.95	11.95	.29	.61530	-1.37	-1.71	1
6	6	-7	1	14.82	16.68	-16.68	-.12	.56079	-1.86	-3.51	181
6	6	-6	1	2.92	.07	-.03	-.06	.51304	2.86	1.37	246
6	6	-5	1	22.90	21.43	21.43	.52	.47412	1.47	4.21	1
6	6	-4	1	23.13	24.48	-24.48	.40	.44632	-1.35	-4.07	179
6	6	-3	1	21.84	20.93	-20.93	-.26	.43180	1.35	2.70	181
6	6	-2	1	51.67	50.97	50.97	.88	.43191	.71	1.44	0
6	6	-1	1	38.81	38.89	-38.89	-.20	.44663	-.09	-.23	181
6	6	0	1	11.16	12.34	-12.34	.72	.47461	-1.18	-1.91	176
6	6	1	1	44.71	46.27	46.27	.47	.51368	-1.56	-3.75	0
6	6	2	1	16.07	16.40	-16.40	.33	.56153	-.36	-.67	178
6	6	3	1	27.46	28.40	-28.40	-.19	.61613	-.94	-2.27	181
6	6	4	1	49.01	47.56	47.56	1.12	.67583	1.46	2.84	1
6	7	-9	1	6.71	.64	-.64	.03	.68207	6.06	4.50	177
6	7	-8	1	3.32	6.11	-6.11	-.04	.62323	-2.79	-1.18	181
6	7	-7	1	6.25	6.80	-6.80	-.05	.56961	-.56	-.49	181
6	7	-6	1	4.57	2.11	-2.11	-.16	.52282	2.47	1.74	185
6	7	-5	1	9.43	7.61	-7.61	-.02	.48484	1.82	2.81	181
6	7	-4	1	31.51	31.34	-31.34	-.48	.45786	.17	.53	181
6	7	-3	1	3.47	3.40	-3.40	-.03	.44389	.07	.04	181
6	7	-2	1	30.59	32.84	-32.84	-.66	.44416	-2.25	-6.60	182
6	7	-1	1	12.81	14.64	-14.64	-.08	.45866	-1.83	-3.52	181
6	7	0	1	20.07	21.57	-21.57	-.78	.48610	-1.50	-3.79	183
6	7	1	1	4.09	3.41	-3.41	-.08	.52446	.68	.40	182
6	7	2	1	19.14	21.33	-21.33	-.91	.57155	-2.19	-4.53	183
6	7	3	1	7.29	6.59	-6.59	-.03	.62539	.70	.60	181
6	7	4	1	36.05	34.88	-34.88	-.03	.68439	1.17	2.89	182
6	8	-9	1	5.17	8.09	8.09	.13	.69014	-2.92	-1.66	0
6	8	-8	1	23.19	25.38	25.38	.30	.63218	-2.19	-4.85	0
6	8	-7	1	56.76	59.76	-59.76	-.68	.57952	-3.00	-5.65	181
6	8	-6	1	79.04	78.74	-78.74	-.68	.53374	.30	.44	182
6	8	-5	1	75.72	75.06	75.06	-.84	.49674	.66	1.04	0
6	8	-4	1	19.59	18.58	18.58	.87	.47060	1.01	2.69	358
6	8	-3	1	43.92	43.06	-43.06	-.50	.45719	.85	2.06	181
6	8	-2	1	64.94	68.07	-68.07	-.50	.45763	-3.14	-5.07	182
6	8	-1	1	29.50	30.89	-30.89	-.32	.47187	-1.39	-4.00	181
6	8	0	1	42.34	42.34	-42.34	-.99	.49873	.01	.02	182
6	8	1	1	42.65	43.11	43.11	.45	.53633	-.47	-1.08	0
6	8	2	1	47.48	49.38	-49.38	1.54	.58259	-1.90	-4.17	182
6	8	3	1	20.38	21.39	-21.39	-.26	.63562	-1.01	-1.93	181
6	8	4	1	16.72	14.34	14.34	-.26	.69386	2.37	3.53	359
6	9	-9	1	3.62	5.41	5.41	.05	.69912	-1.79	-.69	0

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINT/WM	DF	W*DF	ANGLE CALC
6	9	-8	1	9.36	12.16	12.15	.28	.64209	-2.80	-3.08	181
6	9	-7	1	9.04	9.09	9.09	.09	.59044	-.04	-3.05	1
6	9	-6	1	16.22	17.74	17.73	.54	.54572	-1.52	-3.06	1
6	9	-5	1	8.54	10.58	10.58	.09	.50974	-2.04	-2.62	0
6	9	-4	1	29.12	29.84	29.84	.76	.48447	-.73	-2.62	0
6	9	-3	1	4.37	6.69	6.69	.03	.47161	-2.32	-1.69	1
6	9	-2	1	34.31	35.98	35.96	1.03	.47219	-1.66	-4.60	1
6	9	-1	1	4.87	3.10	3.10	-.01	.48616	1.77	1.40	181
6	9	0	1	34.41	36.65	36.64	1.19	.51243	-2.25	-6.11	1
6	9	1	1	14.24	16.66	16.66	.14	.54923	-2.42	-4.22	0
6	9	2	1	19.59	21.44	21.42	1.07	.59461	-1.85	-3.72	2
6	9	3	1	3.52	2.55	-2.55	.01	.64677	.97	.38	179
6	9	4	1	38.29	37.46	37.44	1.28	.70420	.82	1.99	1
6	10	-7	1	31.10	33.62	33.59	1.38	.65293	-2.52	-6.23	2
6	10	-6	1	3.49	.21	-.21	-.00	.60234	3.28	1.51	181
6	10	-5	1	54.87	56.09	56.06	1.63	.55870	-1.22	-2.38	1
6	10	-4	1	23.29	23.08	23.08	.11	.52376	.21	.57	1
6	10	-3	1	30.22	30.19	30.15	1.52	.49935	.03	.08	2
6	10	-2	1	14.24	15.50	15.50	.08	.48704	-1.26	-2.59	0
6	10	-1	1	85.07	87.63	87.61	1.82	.48776	-2.56	-2.91	1
6	10	0	1	13.50	14.15	14.15	-.16	.50145	-.66	-1.20	181
6	10	1	1	14.95	15.37	15.33	1.11	.52709	-.42	-.80	4
6	10	2	1	16.79	16.84	16.84	.13	.56307	-.06	-.11	0
6	10	3	1	36.20	37.09	37.07	1.19	.60754	-.88	-2.22	1
6	10	4	1	17.02	18.24	18.23	.23	.65879	-1.21	-1.97	0
6	11	-8	1	13.08	16.07	-16.06	-.49	.66464	-2.99	-3.98	182
6	11	-7	1	3.28	.05	.04	-.03	.61514	3.23	1.38	321
6	11	-6	1	16.08	17.58	-17.56	-.73	.57262	-1.50	-2.88	183
6	11	-5	1	4.90	4.21	-4.21	-.06	.53872	.68	.51	181
6	11	-4	1	35.88	36.56	-36.55	-1.04	.51516	-.68	-1.89	182
6	11	-3	1	9.53	12.53	-12.53	-.09	.50339	-3.01	-4.33	181
6	11	-2	1	40.04	41.67	-41.66	-1.17	.50424	-1.63	-3.89	182
6	11	-1	1	4.39	4.69	-4.69	-.07	.51763	-.30	-.20	181
6	11	0	1	25.14	26.31	-26.28	-1.23	.54266	-1.17	-3.06	183
6	11	1	1	3.29	4.29	4.29	.11	.57780	-1.00	-.42	1
6	11	2	1	37.33	38.06	-38.03	-1.34	.62134	-.73	-1.80	183
6	11	3	1	3.59	.23	-.23	.01	.67165	3.36	1.31	178
6	11	4	1	97.11	106.55	-106.52	-2.40	.67719	-9.44	-11.94	182
6	12	-7	1	48.33	50.27	50.27	.71	.62880	-1.95	-4.03	0
6	12	-6	1	9.87	8.36	8.25	-1.38	.58740	1.50	1.90	351
6	12	-5	1	34.85	35.95	-35.95	-.63	.55454	-1.11	-3.06	182
6	12	-4	1	57.69	57.62	-57.59	-1.89	.53183	.07	.13	182
6	12	-3	1	12.97	12.55	12.54	.35	.52058	.42	.75	1
6	12	-2	1	30.02	30.94	-30.90	-1.49	.52154	-.92	-2.71	183
6	12	-1	1	3.10	.75	-.74	.15	.53465	2.35	1.06	168
6	12	0	1	61.98	62.57	-62.54	-1.72	.55904	-.59	-1.01	182
6	12	1	1	11.73	13.02	-13.01	-.23	.59334	-1.29	-1.81	182
6	12	2	1	16.18	13.61	13.61	-.40	.63594	2.57	4.22	359
6	12	3	1	17.54	15.52	15.52	.22	.68529	2.02	3.26	0
6	13	-8	1	9.59	13.07	13.05	.58	.69053	-3.48	-3.31	2
6	13	-7	1	3.48	3.96	3.96	.09	.64326	-1.66	-1.19	1
6	13	-6	1	21.52	23.18	23.16	.83	.60298	-1.48	-3.63	2
6	13	-5	1	6.09	5.28	5.28	.08	.57115	.81	.68	0
6	13	-4	1	28.30	28.86	28.84	1.06	.54926	-.56	-1.55	2
6	13	-3	1	3.08	2.20	-2.20	-.03	.53852	.88	.40	0
6	13	-2	1	39.64	41.06	41.04	1.20	.53959	-1.41	-3.42	181

ANGLE  
STAT

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
6	13	-1	1	5.06	1.45	-1.45	-.05	.55241	3.61	2.62	182	
6	13	0	1	16.68	19.01	18.98	1.11	.57618	-2.33	-4.33	182	
6	13	1	1	7.11	6.66	6.66	.01	.60964	.45	.38	0	
6	13	2	1	27.47	27.66	27.64	1.11	.65129	-.19	-.44	2	
6	13	3	1	5.22	1.36	1.36	-.07	.69967	3.87	2.08	358	
6	14	-8	1	16.48	19.94	19.88	1.48	.70461	-3.44	-5.31	4	
6	14	-7	1	14.39	15.42	15.42	.21	.65847	-1.02	-1.54	0	
6	14	-6	1	52.69	55.08	55.04	2.01	.61930	-2.38	-4.73	2	
6	14	-5	1	9.81	10.26	10.25	-.46	.58848	-.45	-.56	183	
6	14	-4	1	73.99	74.08	74.06	2.07	.56740	-.10	-.14	1	
6	14	-3	1	14.83	13.17	-13.17	-.16	.55714	1.66	3.06	181	
6	14	-2	1	25.55	26.48	26.47	.95	.55831	-.94	-2.43	2	
6	14	-1	1	23.20	24.87	24.87	.24	.57084	-1.67	-3.99	0	
6	14	0	1	21.19	21.82	21.79	1.09	.59401	-.63	-1.38	2	
6	14	1	1	16.91	15.04	-15.04	-.36	.62664	1.87	3.27	182	
6	14	2	1	36.98	36.99	36.97	.94	.66734	-.01	-.01	1	
6	15	-7	1	3.53	1.35	-1.35	-.09	.67438	2.18	.86	185	
6	15	-6	1	12.72	13.36	-13.34	-.77	.63630	-.64	-.89	184	
6	15	-5	1	4.59	5.50	-5.50	-.02	.60648	-.91	-.53	181	
6	15	-4	1	29.00	28.06	-28.05	-.91	.58617	.94	2.47	182	
6	15	-3	1	3.21	.23	-.23	.01	.57638	2.98	1.30	177	
6	15	-2	1	26.00	27.28	-27.26	-1.00	.57764	-1.28	-3.19	183	
6	15	-1	1	5.48	6.08	6.08	.15	.58989	-.60	-.42	1	
6	15	0	1	20.50	18.79	-18.76	-.90	.61246	1.72	3.60	183	
6	15	1	1	3.54	6.20	6.20	.13	.64427	-2.66	-1.05	1	
6	16	2	1	10.21	8.97	-8.94	-.68	.68403	1.24	1.28	185	
6	16	-7	1	30.43	32.32	-32.32	-.24	.69093	-1.89	-4.39	181	
6	16	-6	1	49.11	51.41	-51.38	-1.71	.65394	-3.30	-6.63	182	
6	16	-5	1	22.46	21.91	21.91	.51	.62508	.56	1.21	1	
6	16	-4	1	3.29	3.40	-3.31	-.79	.60552	-.11	-.04	194	
6	16	-3	1	26.52	27.14	-27.14	-.08	.59617	-.61	-1.53	181	
6	16	-2	1	86.42	89.13	-89.11	-1.61	.59752	-2.70	-3.72	182	
6	16	-1	1	9.44	8.32	8.31	.37	.60949	1.12	1.27	2	
6	16	0	1	9.94	8.00	7.99	-.27	.63148	1.94	2.22	359	
6	16	1	1	3.55	3.09	-3.09	.12	.66250	.46	.18	177	
6	16	2	1	28.95	29.45	-29.44	-.49	.70134	-.50	-1.07	181	
6	17	-6	1	9.58	7.74	7.72	.61	.67215	-.50	-.50	4	
6	17	-5	1	4.23	1.59	-1.59	-.07	.64423	1.84	1.94	183	
6	17	-4	1	22.12	19.45	19.44	.67	.62539	2.68	5.80	1	
6	17	-3	1	6.92	9.01	-9.01	-.14	.61647	-2.09	-1.74	181	
6	17	-2	1	3.43	3.15	3.10	.54	.61790	.28	.11	9	
6	17	-1	1	6.76	1.36	-1.35	-.09	.62960	5.40	4.30	184	
6	17	0	1	6.99	10.45	10.44	.49	.65103	5.40	4.30	184	
6	17	1	1	10.82	9.85	-9.84	-.26	.68126	-.97	-2.56	2	
6	18	-6	1	10.04	10.91	10.88	.90	.69091	-.87	-1.07	182	
6	18	-5	1	20.38	20.74	20.74	.06	.66388	-.36	-.70	4	
6	18	-4	1	5.12	4.02	4.00	.44	.64574	1.10	.67	6	
6	18	-3	1	11.59	13.39	13.39	-.18	.63722	-1.81	-2.25	0	
6	18	-2	1	10.87	11.04	11.03	.55	.63872	-.18	-.21	0	
6	18	-1	1	39.03	39.37	-39.37	-.57	.65016	-.34	-.78	181	
6	18	0	1	3.64	3.59	3.59	.09	.67105	.05	.02	1	
6	18	1	1	6.62	7.41	7.41	-.08	.70053	-.79	-.53	0	
6	19	-5	1	4.72	5.12	-5.12	-.08	.68400	-.40	-.21	0	
6	19	-4	1	10.35	8.81	-8.80	-.33	.66651	1.55	1.69	183	
6	19	-3	1	3.51	4.04	4.04	.18	.65838	-.53	-.21	2	
6	19	-2	1	7.08	5.88	-5.87	-.23	.65995	1.20	.94	183	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
6	19	-1	1	15.38	13.63	13.63	.27	.67114	1.75	2.66	1	
6	19	0	1	14.72	13.81	13.81	.01	.69150	.91	1.25	0	
6	20	-5	1	10.34	9.80	9.80	.34	.70454	.54	.57	1	
6	20	-4	1	69.86	69.14	-69.13	-.83	.68768	.72	1.24	181	
6	20	-3	1	42.32	43.40	43.39	.70	.67992	-1.08	-2.40	0	
6	20	-2	1	52.50	53.93	53.93	.89	.68154	-1.43	-2.85	0	
6	20	-1	1	40.13	40.35	-40.35	-.31	.69250	-.23	-.57	181	
6	21	-3	1	8.99	10.50	-10.50	-.24	.70179	-1.51	-1.35	182	
6	21	-2	1	6.31	7.76	-7.76	-.23	.70347	-1.45	-.92	182	
7	-21	-4	1	12.00	9.41	9.41	-.16	.69873	2.59	3.07	0	
7	-21	-3	1	23.23	23.95	-23.95	-.48	.69036	-.73	-1.39	182	
7	-21	-2	1	45.17	45.36	-45.36	-.63	.69124	-.20	-.43	181	
7	-21	-1	1	5.13	2.63	2.63	-.19	.70133	2.49	1.30	185	
7	-20	-5	1	11.57	9.39	9.38	.32	.69672	2.18	2.51	1	
7	-20	-4	1	4.23	1.38	1.34	.29	.67905	2.85	1.34	12	
7	-20	-3	1	8.01	9.25	9.24	.34	.67054	-1.24	-1.05	2	
7	-20	-2	1	9.16	10.18	-10.18	.00	.67156	-1.02	-.95	179	
7	-20	-1	1	3.66	4.01	4.00	.34	.68205	-.36	-.14	4	
7	-20	0	1	18.27	20.29	20.29	.27	.70160	-2.03	-3.18	0	
7	-19	-6	1	15.39	14.25	-14.25	-.15	.70467	1.14	1.62	181	
7	-19	-5	1	19.18	19.42	19.41	.50	.67790	-.24	-.43	1	
7	-19	-4	1	6.29	5.72	-5.72	-.04	.65984	.57	.40	181	
7	-19	-3	1	12.87	12.17	-12.17	.03	.65120	.71	.96	179	
7	-19	-2	1	40.73	41.26	41.26	.33	.65236	-.53	-1.32	0	
7	-19	-1	1	12.85	11.87	11.87	.24	.66328	.98	1.30	1	
7	-19	0	1	45.11	44.61	-44.61	-.73	.68347	.50	1.10	181	
7	-18	-6	1	3.74	1.64	-1.64	-.05	.68698	2.10	.85	182	
7	-18	-5	1	3.55	2.62	-2.61	-.28	.65961	.92	.36	187	
7	-18	-4	1	6.21	7.09	7.09	.14	.64115	.92	.63	1	
7	-18	-3	1	6.64	1.11	-1.06	-.33	.63238	5.53	4.37	198	
7	-18	-2	1	7.21	.43	-.35	.25	.63369	6.78	5.67	144	
7	-18	-1	1	16.20	15.78	-15.77	-.42	.64504	.42	.68	182	
7	-18	0	1	25.61	27.27	27.26	.63	.66590	-1.66	-3.46	1	
7	-18	1	1	9.22	6.49	-6.49	-.32	.69542	2.73	2.44	183	
7	-17	-6	1	22.23	22.18	22.18	.28	.66987	.04	.08	0	
7	-17	-5	1	23.26	23.25	-23.25	-.37	.64189	.01	.02	181	
7	-17	-4	1	25.94	25.66	-25.66	.17	.62302	.28	.67	179	
7	-17	-3	1	10.94	11.57	-11.57	-.33	.61412	-.64	-.78	182	
7	-17	-2	1	98.63	96.21	96.20	1.42	.61560	2.42	2.35	0	
7	-17	-1	1	3.46	4.95	-4.95	-.20	.62739	-1.49	-.60	183	
7	-17	0	1	49.08	49.79	-49.79	-.10	.64894	-.71	-1.43	181	
7	-17	1	1	28.20	28.33	28.33	.27	.67931	-.13	-.28	0	
7	-16	-7	1	7.55	7.53	7.52	.32	.69014	.02	.02	2	
7	-16	-6	1	11.81	13.24	-13.23	-.38	.65338	-1.42	-1.77	182	
7	-16	-5	1	3.38	.47	-.37	.29	.62479	-1.42	-1.77	182	
7	-16	-4	1	27.21	28.64	-28.63	-.69	.60552	2.90	1.20	141	
7	-16	-3	1	6.80	5.58	5.57	.34	.59647	-1.43	-3.46	182	
7	-16	-2	1	3.34	3.90	3.85	.60	.59812	1.21	1.05	3	
7	-16	-1	1	3.35	4.72	-4.71	-.23	.61038	-.55	-.23	189	
7	-16	0	1	32.86	34.09	-34.07	.23	.63262	-1.37	-.57	177	
7	-16	1	1	9.50	11.47	11.46	.33	.66386	-1.24	-3.13	182	
7	-16	2	1	27.77	29.61	-29.60	-.91	.70288	-1.97	-1.86	1	
7	-15	-7	1	5.35	4.47	-4.46	.27	.67508	.88	.51	182	
7	-15	-6	1	24.11	22.96	-22.95	-.93	.63757	1.15	2.55	3	
7	-15	-5	1	12.85	12.71	12.70	.26	.60836	.15	.22	183	
7	-15	-4	1	14.01	13.17	-13.14	-.91	.58868	.84	1.37	184	

H	K	L	GRP	FO	FC	A	B	SIN/H/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
7	-15	-3	1	3.24	3.31	-3.31	.05	.57950	-.07	-.03	179	
7	-15	-2	1	11.63	10.80	-10.76	-.91	.58133	.83	1.16	185	
7	-15	-1	1	10.00	10.81	-10.81	.06	.59406	-.81	-.98	0	
7	-15	0	1	20.45	20.51	-20.49	-.77	.61702	-.05	-.10	183	
7	-15	1	1	18.21	18.92	-18.92	.14	.64912	-.71	-1.24	0	
7	-15	2	1	26.11	26.74	-26.72	-.96	.68909	-.63	-1.29	183	
7	-14	-7	1	3.50	.82	.80	-.19	.66074	2.68	1.07	347	
7	-14	-6	1	28.81	29.15	29.14	.74	.62249	-.34	-.84	1	
7	-14	-5	1	8.67	5.84	-5.83	-.27	.59266	2.84	3.19	183	
7	-14	-4	1	23.69	24.64	24.63	.91	.57257	-.95	-2.34	2	
7	-14	-3	1	4.38	4.21	-4.20	-.29	.56327	.17	.11	185	
7	-14	-2	1	43.59	45.34	45.32	1.30	.56528	-1.74	-3.91	1	
7	-14	-1	1	3.39	.23	.09	-.21	.57850	3.16	1.41	293	
7	-14	0	1	18.11	19.34	19.31	1.12	.60218	-1.23	-2.33	3	
7	-14	1	1	11.30	13.17	13.17	-.03	.63515	-1.87	-2.24	0	
7	-14	2	1	34.09	35.39	35.36	1.28	.67605	-1.29	-3.08	2	
7	-13	-8	1	18.86	19.72	19.70	1.00	.69325	-.86	-1.49	2	
7	-13	-7	1	44.16	42.60	-42.59	-.62	.64716	1.56	3.80	181	
7	-13	-6	1	26.12	26.55	26.52	1.33	.60818	-.43	-1.04	2	
7	-13	-5	1	10.10	10.26	10.26	.07	.57775	-.17	-.22	0	
7	-13	-4	1	62.17	63.53	63.51	1.69	.55726	-1.36	-2.34	1	
7	-13	-3	1	4.45	1.58	-1.58	.01	.54783	2.87	1.85	179	
7	-13	-2	1	8.69	7.41	-7.39	.56	.55004	1.28	1.51	175	
7	-13	-1	1	28.30	28.88	28.88	.28	.56375	-.57	-1.53	0	
7	-13	0	1	59.63	61.48	61.46	1.50	.58815	-1.84	-3.47	1	
7	-13	1	1	20.29	19.20	-19.20	-.11	.62199	1.09	2.20	181	
7	-12	-8	1	18.99	3.61	-3.00	.50	.66382	.57	.22	170	
7	-12	-7	1	3.42	20.08	-20.06	-.72	.68124	-1.09	-1.87	183	
7	-12	-6	1	28.53	.21	-.13	.16	.63440	3.21	1.31	127	
7	-12	-5	1	3.12	29.63	-29.61	-1.01	.59471	-1.09	-2.83	182	
7	-12	-4	1	30.37	.34	.28	.20	.56368	2.78	1.25	35	
7	-12	-3	1	3.86	32.08	-32.06	-1.13	.54280	-1.72	-4.82	183	
7	-12	-2	1	33.75	6.18	-6.18	.05	.53327	-2.32	-1.32	179	
7	-12	-1	1	9.22	35.22	-35.19	-1.36	.53568	-1.47	-4.22	183	
7	-12	0	1	35.20	9.55	9.55	.17	.54988	-.33	-.40	1	
7	-12	1	1	7.50	37.89	-37.87	-1.53	.57500	-2.69	-6.60	183	
7	-12	2	1	41.70	6.36	6.36	.14	.60969	1.14	1.04	1	
7	-12	3	1	10.94	42.79	-42.76	-1.44	.65243	-1.09	-2.52	182	
7	-11	-8	1	70.95	13.77	-10.77	-.15	.70174	.17	.18	181	
7	-11	-7	1	13.88	73.55	-73.53	-1.89	.67006	-2.60	-3.91	182	
7	-11	-6	1	29.25	14.57	-14.57	.00	.62251	-.69	-1.08	179	
7	-11	-5	1	25.91	30.52	-30.49	-1.30	.58214	-1.27	-3.45	183	
7	-11	-4	1	43.42	26.45	-26.44	-.41	.55054	-.53	-1.44	181	
7	-11	-3	1	12.44	44.86	-44.84	-1.34	.52928	-1.44	-3.41	182	
7	-11	-2	1	66.85	11.87	11.87	.22	.51964	1.57	.98	1	
7	-11	-1	1	3.12	67.85	-67.84	-1.55	.52226	-1.00	-1.49	182	
7	-11	0	1	6.68	.76	.75	.08	.53696	2.36	1.06	6	
7	-11	1	1	47.93	2.35	-2.20	-.84	.56280	4.33	3.88	201	
7	-11	2	1	3.57	48.78	-48.78	-.66	.59832	-.86	-1.87	181	
7	-11	3	1	3.66	7.89	-7.88	-.33	.64193	-4.32	-1.70	183	
7	-10	-8	1	21.04	.54	.54	-.01	.69211	3.12	1.19	359	
7	-10	-7	1	3.31	22.02	22.01	-.08	.65976	-.98	-1.92	2	
7	-10	-6	1	28.19	1.14	1.14	.08	.61153	2.17	.92	357	
7	-10	-5	1	5.45	29.26	29.24	1.05	.57051	-1.07	-2.86	2	
7	-10	-4	1	41.51	43.20	43.18	1.33	.51677	-1.90	-4.50	1	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
7	-10	-3	1	2.99	3.76	3.76	-.04	.50704	-.77	-.36	181
7	-10	-2	1	15.02	16.35	16.31	1.14	.50987	-1.33	-2.68	0
7	-10	-1	1	6.67	7.44	7.44	.07	.52506	-.77	-.74	3
7	-10	0	1	43.64	45.69	45.67	1.33	.55159	-2.06	-4.61	1
7	-10	1	1	3.30	3.16	-3.16	-.00	.58792	.14	.06	181
7	-10	2	1	29.04	29.82	29.80	1.15	.63237	-.78	-1.87	2
7	-10	3	1	3.72	1.98	1.98	.01	.68336	1.74	.65	0
7	-9	-9	1	13.93	11.92	-11.91	-.33	.70498	2.01	2.65	182
7	-9	-8	1	31.36	32.75	32.71	1.48	.65038	-1.38	-3.43	2
7	-9	-7	1	23.19	22.55	22.64	.43	.60152	.54	1.26	1
7	-9	-6	1	45.13	46.84	46.80	1.69	.55990	-1.70	-3.89	2
7	-9	-5	1	31.11	29.90	-29.90	-.39	.52726	1.21	3.63	181
7	-9	-4	1	9.82	5.05	4.95	1.00	.50533	4.77	6.88	11
7	-9	-3	1	34.17	35.89	35.88	.45	.49553	-1.72	-4.83	0
7	-9	-2	1	81.97	85.59	85.58	1.42	.49858	-3.62	-4.05	0
7	-9	-1	1	4.87	.35	.28	.21	.51425	4.52	3.34	36
7	-9	0	1	29.47	27.82	-27.81	-.14	.57855	1.66	4.65	179
7	-9	1	1	18.04	17.61	-17.61	.29	.54145	.43	.84	181
7	-9	2	1	45.59	47.75	47.74	.91	.62379	-2.16	-4.82	1
7	-9	3	1	6.16	7.36	7.36	.30	.67554	-1.21	-.79	2
7	-8	-9	1	3.59	.82	-.82	-.01	.69710	2.76	1.08	181
7	-8	-8	1	21.03	21.73	-21.72	-.83	.64195	-.70	-1.43	183
7	-8	-7	1	5.55	.09	-.09	.01	.59252	5.46	4.08	173
7	-8	-6	1	27.59	28.10	-28.09	-.97	.55036	-.51	-1.42	182
7	-8	-5	1	9.11	8.08	-8.08	-.12	.51727	1.03	1.39	181
7	-8	-4	1	32.72	34.22	-34.20	-1.07	.49504	-1.49	-4.10	182
7	-8	-3	1	2.91	1.78	1.78	.02	.48519	1.13	.54	0
7	-8	-2	1	20.73	21.52	-21.50	-1.02	.48846	-.79	-2.01	183
7	-8	-1	1	5.36	4.99	-4.99	-.04	.50460	.37	.31	181
7	-8	0	1	24.30	24.48	-24.46	-.96	.53243	-.19	-.48	183
7	-8	1	1	13.00	12.60	-12.59	-.23	.57026	.40	.64	182
7	-8	2	1	13.56	11.46	-11.45	-.55	.61623	2.09	3.17	183
7	-8	3	1	3.59	.36	-.36	-.05	.66867	3.22	1.26	353
7	-7	-9	1	25.01	26.03	-26.02	-.45	.69015	-1.02	-2.15	182
7	-7	-8	1	4.36	1.66	-1.32	-1.01	.63451	2.70	1.43	218
7	-7	-7	1	14.58	16.60	-16.60	-.19	.58458	-2.01	-3.55	181
7	-7	-6	1	44.50	44.65	-44.63	-1.36	.54195	-.15	-.36	182
7	-7	-5	1	10.53	9.47	9.47	.10	.50846	1.06	1.67	0
7	-7	-4	1	59.46	60.55	-60.54	-1.18	.48599	-1.08	-2.05	182
7	-7	-3	1	7.49	7.13	-7.12	-.21	.47611	.36	.44	182
7	-7	-2	1	14.56	12.09	-12.09	-.36	.47960	2.47	4.99	359
7	-7	-1	1	14.56	15.20	-15.20	-.29	.49618	-.64	-1.30	182
7	-7	0	1	4.73	4.15	-4.13	-.34	.52460	.59	.40	185
7	-7	1	1	10.08	8.68	8.68	.05	.56308	1.39	1.79	0
7	-7	2	1	43.02	44.23	-44.23	-.51	.60972	-1.21	-2.71	181
7	-6	-9	1	17.57	19.15	-19.15	-.26	.66280	-1.58	-2.55	181
7	-6	-8	1	3.56	4.20	4.20	.08	.68416	-.64	-.25	1
7	-6	-7	1	9.92	9.93	9.91	.64	.62810	-.02	-.02	3
7	-6	-6	1	3.17	.09	-.05	.08	.57776	3.08	1.36	121
7	-6	-5	1	29.39	27.57	27.55	.80	.53472	3.08	5.39	1
7	-6	-4	1	5.97	1.26	-1.26	.05	.50089	4.71	4.45	177
7	-6	-3	1	10.04	10.74	10.72	.62	.47823	-.70	-1.08	3
7	-6	-2	1	2.89	4.49	4.48	.17	.46835	-1.60	-.78	2
7	-6	-1	1	9.20	8.34	8.32	.56	.47206	.86	1.21	3
7	-6	0	1	4.42	1.35	-1.34	.12	.48904	3.08	2.15	174
7	-6	1	1	14.33	13.85	13.85	.40	.51801	.48	.92	1

ANGLE  
STAT



H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
7	-6	1	1	6.56	7.10	-7.10	.01	.55708	-.54	-.47	182	
7	-6	2	1	8.82	5.74	5.74	.29	.60431	3.08	3.34	179	
7	-6	3	1	8.84	7.58	7.58	.18	.65793	1.26	1.22	2	
7	-5	-9	1	24.18	24.87	24.87	.36	.67914	-.69	-1.39	1	
7	-5	-8	1	84.37	84.79	84.77	1.46	.62276	-.42	-.57	0	
7	-5	-7	1	54.76	52.06	-52.05	-.55	.57207	2.71	5.25	181	
7	-5	-6	1	22.07	20.79	-20.79	.22	.52872	1.27	3.20	179	
7	-5	-5	1	73.49	75.26	75.26	.95	.49463	-1.77	-2.77	0	
7	-5	-4	1	50.17	51.69	51.68	.54	.47183	-1.52	-3.36	0	
7	-5	-3	1	10.45	12.76	12.76	-.08	.46197	-2.31	-3.83	0	
7	-5	-2	1	10.04	10.16	10.16	.20	.46590	-.13	-.20	1	
7	-5	-1	1	5.09	3.53	-3.53	-.13	.48326	1.56	1.25	183	
7	-5	0	1	21.09	23.81	23.81	.32	.51270	-2.73	-6.74	0	
7	-5	1	1	36.82	38.69	38.69	.50	.55229	-1.88	-4.98	0	
7	-5	2	1	42.00	40.93	-40.92	-.89	.60002	1.07	2.41	182	
7	-5	3	1	10.80	9.19	-9.19	-.10	.65411	1.61	1.78	181	
7	-4	-9	1	3.54	1.32	1.32	-.07	.67513	2.21	.88	181	
7	-4	-8	1	5.23	4.40	-4.39	-.39	.61850	.83	.53	357	
7	-4	-7	1	4.86	5.26	-5.26	-.17	.56757	-.40	-.27	186	
7	-4	-6	1	11.39	9.58	-9.57	-.34	.52399	1.81	2.95	182	
7	-4	-5	1	3.73	2.61	-2.60	-.08	.48973	1.13	.72	183	
7	-4	-4	1	3.78	2.71	2.70	-.21	.46685	1.08	.72	359	
7	-4	-3	1	2.81	.83	.82	-.13	.45705	1.98	.99	356	
7	-4	-2	1	7.55	3.19	3.19	-.02	.46118	4.36	5.27	351	
7	-4	-1	1	2.94	.35	-.31	-.16	.47887	2.59	1.23	208	
7	-4	0	1	22.67	23.40	23.39	.32	.50871	-.73	-1.90	0	
7	-4	1	1	3.15	2.08	2.07	-.08	.54873	1.07	.48	358	
7	-4	2	1	9.75	8.39	-8.39	.18	.59687	1.36	1.59	358	
7	-4	3	1	3.58	2.89	2.89	-.08	.65134	.69	.27	178	
7	-3	-9	1	12.62	11.18	11.18	.03	.67213	1.44	1.92	359	
7	-3	-8	1	6.06	4.04	-4.04	-.11	.61536	2.02	1.50	181	
7	-3	-7	1	30.31	31.10	-31.10	.44	.56427	-.79	-2.23	181	
7	-3	-6	1	3.57	2.90	2.90	-.10	.52056	.67	.37	358	
7	-3	-5	1	2.88	2.40	-2.40	.05	.48622	.48	.23	178	
7	-3	-4	1	43.24	43.12	-43.12	.03	.46333	.12	.29	179	
7	-3	-3	1	36.11	35.93	35.93	-.00	.45362	.18	.49	0	
7	-3	-2	1	68.76	67.97	67.96	.72	.45795	.79	1.30	0	
7	-3	-1	1	30.03	30.89	-30.89	-.29	.47592	-.87	-2.52	181	
7	-3	0	1	9.20	8.26	-8.25	.42	.50608	.94	1.28	177	
7	-3	1	1	19.03	18.23	18.23	.11	.54643	.80	1.76	0	
7	-3	2	1	7.81	3.23	3.22	.32	.59488	4.58	4.52	5	
7	-3	3	1	5.39	6.68	-6.68	.10	.64964	-1.29	-.77	179	
7	-2	-9	1	3.47	2.48	-2.48	.09	.67017	.98	.40	178	
7	-2	-8	1	4.81	3.79	-3.79	.06	.61334	1.02	.63	179	
7	-2	-7	1	3.13	3.15	3.15	.08	.56221	-.02	-.01	178	
7	-2	-6	1	3.00	3.69	-3.68	-.14	.51847	-.69	-.32	183	
7	-2	-5	1	3.82	1.83	1.82	.19	.48413	1.99	1.24	5	
7	-2	-4	1	18.94	18.62	-18.62	-.35	.46130	.32	.83	182	
7	-2	-3	1	9.52	8.06	8.06	.13	.45172	1.46	2.28	0	
7	-2	-2	1	29.93	31.88	-31.88	-.57	.45623	-1.95	-5.57	182	
7	-2	-1	1	11.38	14.03	-14.03	-.00	.47443	-2.65	-4.42	181	
7	-2	0	1	11.19	14.30	-14.29	-.65	.50483	-3.12	-4.74	183	
7	-2	1	1	9.51	8.67	8.67	.20	.54541	.83	1.05	183	
7	-2	2	1	28.19	28.92	-28.90	-1.02	.59408	-.73	-1.84	183	
7	-2	3	1	3.51	1.96	-1.96	.06	.64902	1.55	.62	178	
7	-1	-9	1	12.98	12.84	-12.84	-.13	.66926	.14	.19	181	

H	K	L	GRP	FD	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
7	-1	-8	1	63.79	62.56	-62.55	-.90	.61246	1.24	2.00	181	
7	-1	-7	1	47.32	46.83	46.82	.73	.56139	.49	1.14	181	
7	-1	-6	1	5.51	5.37	5.35	-.45	.51773	1.15	1.13	356	
7	-1	-5	1	57.25	55.69	-55.69	-.55	.48034	1.56	2.99	181	
7	-1	-4	1	36.21	34.65	-34.64	-.96	.46079	1.56	4.24	182	
7	-1	-3	1	25.87	25.43	25.43	.34	.45137	.44	1.38	0	
7	-1	-2	1	14.81	10.13	10.11	-.57	.45605	4.68	10.29	357	
7	-1	-1	1	3.63	2.86	2.86	.13	.47441	.76	.46	2	
7	-1	0	1	75.54	76.19	-76.18	-1.39	.50497	-.65	-1.00	182	
7	-1	1	1	20.87	20.29	-20.29	-.28	.54567	.58	1.36	181	
7	-1	2	1	11.83	9.72	9.72	-.30	.59445	2.11	2.91	359	
7	-1	3	1	3.53	.46	-.45	-.09	.66939	3.08	1.22	167	
7	0	-8	1	11.56	1.63	1.63	.10	.64947	1.89	1.75	358	
7	0	-7	1	3.11	3.11	3.11	.33	.61273	-.23	-.33	1	
7	0	-6	1	15.01	14.88	14.87	-.07	.56181	.00	.00	359	
7	0	-5	1	2.90	2.11	2.11	.52	.51833	.13	.27	2	
7	0	-4	1	27.13	27.81	27.80	-.08	.48430	.78	.38	358	
7	0	-3	1	13.70	14.60	14.60	.80	.46181	-.67	-2.15	1	
7	0	-2	1	52.28	54.13	54.12	-.06	.45257	-.90	-1.93	0	
7	0	-1	1	13.71	11.82	-11.81	1.16	.45740	-1.85	-3.58	1	
7	0	0	1	23.43	25.19	25.17	-.17	.47587	1.90	3.86	181	
7	0	1	1	14.63	15.51	15.51	1.09	.50649	-1.76	-4.67	2	
7	0	2	1	33.62	34.57	34.55	.04	.54722	-.87	-1.59	0	
7	0	3	1	3.51	1.38	-1.38	1.22	.59600	-.95	-2.49	2	
7	-9	3	1	3.52	.78	-.75	.01	.65101	2.12	.85	179	
7	-8	1	1	14.19	12.70	-12.69	-.23	.67057	2.74	1.09	197	
7	-7	1	1	27.56	26.51	26.50	.65	.61414	1.49	2.42	177	
7	-6	1	1	18.24	18.14	18.10	.42	.56349	1.05	2.88	0	
7	-5	1	1	46.49	45.35	-45.34	.61	.48655	1.15	2.68	181	
7	-4	1	1	69.37	65.92	65.90	1.67	.46433	3.46	5.70	1	
7	-3	1	1	32.21	32.43	-32.43	-.10	.45531	-.22	-.65	181	
7	-2	1	1	44.20	44.90	44.89	1.09	.46028	-.70	-1.49	1	
7	-1	0	1	48.94	51.06	51.05	.49	.47880	-2.12	-4.57	0	
7	0	1	1	4.31	3.71	-3.61	.85	.50939	.60	.38	166	
7	1	1	1	33.86	34.80	-34.80	-.27	.55004	-.94	-2.54	181	
7	1	2	1	25.87	27.02	27.00	.13	.59871	-1.15	-2.74	2	
7	1	3	1	4.53	3.33	-3.33	-.13	.65361	1.19	.60	183	
7	-9	1	1	6.38	3.24	-3.24	.02	.67279	3.14	2.30	179	
7	-8	1	1	19.26	21.70	-21.69	-.65	.61669	-2.44	-4.90	182	
7	-7	1	1	5.30	.35	-.35	.07	.56639	4.95	3.72	168	
7	-6	1	1	26.69	25.78	-25.77	-.91	.52358	.91	2.64	183	
7	-5	1	1	8.48	6.06	-6.06	.04	.49022	2.42	3.35	179	
7	-4	1	1	38.40	37.94	-37.93	-1.15	.46834	.46	1.24	182	
7	-3	1	1	6.46	7.10	-7.10	.03	.45957	-.64	-.71	179	
7	-2	1	1	47.54	49.05	-49.03	-1.32	.46465	-1.51	-3.23	182	
7	-1	1	1	4.89	2.93	-2.93	.08	.48316	1.96	1.53	178	
7	0	1	1	46.94	47.51	-47.49	-1.51	.51364	-.58	-1.28	182	
7	1	1	1	5.89	4.23	-4.23	.02	.55412	1.66	1.35	179	
7	2	2	1	26.84	28.08	-28.05	-1.28	.60258	-1.24	-2.97	183	
7	3	3	1	3.53	1.26	-1.26	.02	.65727	2.27	.90	179	
7	-9	1	1	27.89	29.48	29.48	.51	.67604	-1.59	-3.62	0	
7	-8	1	1	71.92	75.32	-75.30	-1.83	.62035	-3.40	-5.42	182	
7	-7	1	1	20.83	21.09	-21.09	-.19	.57052	-.26	-.60	181	
7	-6	1	1	50.18	49.49	-49.46	-1.89	.52819	.69	1.56	183	
7	-5	1	1	9.67	7.42	7.42	.20	.49529	2.25	3.36	1	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
7	3	-4	1	7.19	3.63	3.50	-.96	.47380	3.56	4.06	345	
7	3	-3	1	35.10	36.16	-36.16	-.29	.46529	-1.07	-2.80	181	
7	3	-2	1	76.37	79.18	-79.16	-1.94	.47048	-2.81	-3.24	182	
7	3	-1	1	34.38	34.12	34.11	.37	.48892	.26	.79	0	
7	3	0	1	20.95	20.56	-20.55	-.89	.51920	.39	.96	183	
7	3	1	1	13.81	15.17	-15.17	-.14	.55942	-1.36	-2.27	181	
7	3	2	1	52.36	53.60	-53.59	-1.00	.60198	-1.24	-2.20	182	
7	3	3	1	25.51	25.04	-25.03	-.47	.66198	.48	1.02	182	
7	4	-9	1	6.35	3.45	3.45	.01	.68030	2.90	2.12	0	
7	4	-8	1	16.95	19.59	19.57	.80	.62512	-2.64	-4.68	2	
7	4	-7	1	3.17	2.35	2.35	-.00	.57583	.82	.36	0	
7	4	-6	1	28.11	28.33	28.31	1.09	.53406	-.22	-.63	0	
7	4	-5	1	2.95	5.10	5.10	-.03	.50170	-2.14	-1.02	0	
7	4	-4	1	54.90	54.88	54.87	1.41	.48065	.02	.04	1	
7	4	-3	1	9.01	7.15	-7.15	-.10	.47243	1.86	2.72	181	
7	4	-2	1	39.37	41.78	41.75	1.36	.47770	-2.41	-5.95	1	
7	4	-1	1	14.40	15.64	15.64	.08	.49602	-1.24	-2.43	0	
7	4	0	1	29.87	31.09	31.06	1.35	.52605	-1.22	-3.39	2	
7	4	1	1	8.22	7.25	-7.25	-.09	.56590	.97	1.02	181	
7	4	2	1	27.05	27.36	27.33	1.31	.61369	-.31	-.75	2	
7	4	3	1	3.58	1.70	1.69	-.12	.66770	1.88	.74	356	
7	5	-9	1	31.69	34.03	34.03	.30	.68557	-2.34	-5.61	0	
7	5	-8	1	71.49	74.94	74.91	2.10	.63096	-3.45	-5.53	1	
7	5	-7	1	46.54	46.10	-46.10	-.61	.58230	.44	.98	181	
7	5	-6	1	38.07	39.41	39.37	1.67	.54117	-1.33	-3.46	2	
7	5	-5	1	36.93	37.09	37.09	.27	.50941	-.16	-.42	0	
7	5	-4	1	46.72	45.45	45.42	1.54	.48885	1.27	2.97	1	
7	5	-3	1	40.16	41.71	41.71	.10	.48093	-1.55	-3.90	1	
7	5	-2	1	62.06	62.33	62.31	1.39	.48626	-.27	-.43	0	
7	5	-1	1	17.91	17.08	-17.08	-.14	.50442	.82	1.89	181	
7	5	0	1	33.02	35.20	35.18	1.04	.53411	-2.18	-5.74	1	
7	5	1	1	15.04	16.44	16.44	.07	.57355	-1.41	-2.47	0	
7	5	2	1	18.60	19.30	19.29	.57	.62086	-.70	-1.32	1	
7	5	3	1	3.56	2.29	2.29	.09	.67441	1.26	.50	2	
7	6	-9	1	3.56	3.20	-3.20	-.07	.69181	.37	.14	182	
7	6	-8	1	22.22	24.17	-24.16	-.90	.63786	-1.95	-4.12	183	
7	6	-7	1	3.86	.41	-.41	.00	.58989	3.44	1.82	179	
7	6	-6	1	21.03	20.43	-20.41	-1.06	.54947	.60	1.46	183	
7	6	-5	1	3.10	4.50	-4.50	-.01	.51836	-1.40	-.69	181	
7	6	-4	1	37.40	35.72	-35.70	-.01	.49832	1.68	4.65	182	
7	6	-3	1	5.62	1.39	-1.39	.03	.49071	4.23	3.81	178	
7	6	-2	1	46.22	47.32	-47.30	-1.36	.49608	-1.09	-2.56	182	
7	6	-1	1	4.31	4.98	4.98	.12	.51405	-.67	-.43	1	
7	6	0	1	25.83	26.88	-26.85	-1.13	.54336	-1.05	-2.76	183	
7	6	1	1	3.28	1.41	-1.40	.04	.58229	1.88	.80	178	
7	6	2	1	17.25	18.59	-18.57	-.93	.62907	-1.35	-2.35	183	
7	6	3	1	3.66	.43	-.43	-.02	.68208	3.23	1.24	183	
7	7	-9	1	5.71	6.79	-6.79	-.15	.69899	-1.08	-.65	182	
7	7	-8	1	3.41	4.71	-4.50	-1.39	.64576	-1.31	-.54	198	
7	7	-7	1	22.31	23.99	-23.99	-.07	.59855	-1.69	-3.86	181	
7	7	-6	1	20.03	22.18	-22.14	-1.24	.55889	-2.15	-4.95	184	
7	7	-5	1	10.81	8.13	8.13	.03	.52849	2.68	4.30	0	
7	7	-4	1	114.97	113.20	-113.18	-2.12	.50900	1.77	1.98	0	
7	7	-3	1	73.46	72.18	72.17	.66	.50169	1.28	2.01	0	
7	7	-2	1	34.22	34.88	34.88	-.32	.50711	-.65	-1.72	0	
7	7	-1	1	54.85	58.17	-58.16	-.50	.52484	-3.31	-5.81	181	

H	K	L	GRP	FD	FC	A	F	SINTH/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
7	7	0	1	34.32	34.95	-34.94	-.85	.55371	-.63	-1.62	182	
7	7	1	1	6.38	5.00	-5.00	-.04	.59209	1.38	1.10	181	
7	7	2	1	3.54	2.38	-2.36	-.31	.63827	1.15	.46	188	
7	7	3	1	20.23	18.59	18.59	.44	.69069	1.63	2.94	1	
7	7	4	1	10.20	12.50	12.47	.78	.65464	-2.30	-2.49	3	
7	7	5	1	3.24	1.45	-1.45	-.01	.60825	1.78	.77	181	
7	7	6	1	22.74	22.38	22.36	.93	.56940	.36	.87	2	
7	7	7	1	3.07	.91	.91	-.03	.53973	2.16	.99	359	
7	7	8	1	29.71	28.80	28.79	.96	.52080	.91	2.65	1	
7	7	9	1	7.83	6.40	6.40	.00	.51381	1.42	1.65	0	
7	7	10	1	24.53	24.73	24.72	.88	.51925	-.20	-.54	2	
7	7	11	1	13.29	12.60	-12.60	-.15	.53672	.68	1.19	181	
7	7	12	1	12.31	12.61	12.59	.72	.56512	-.31	-.47	3	
7	7	13	1	3.36	1.90	-1.90	-.12	.60290	1.46	.63	184	
7	7	14	1	15.70	14.73	14.72	.59	.64843	.97	1.54	2	
7	7	15	1	3.73	1.41	-1.41	-.06	.70019	2.32	.87	183	
7	7	16	1	42.84	45.39	45.37	1.48	.66446	-2.56	-6.37	1	
7	7	17	1	14.60	13.17	-13.17	-.16	.61893	1.43	2.33	181	
7	7	18	1	33.00	34.53	34.50	1.31	.58092	-1.53	-4.32	2	
7	7	19	1	8.12	7.43	7.43	-.15	.55201	.69	.81	359	
7	7	20	1	9.62	2.24	-2.24	.39	.53366	7.38	10.28	169	
7	7	21	1	36.57	38.00	37.99	.29	.52699	-1.42	-3.71	0	
7	7	22	1	23.54	25.06	25.06	.74	.53243	-1.53	-3.93	1	
7	7	23	1	30.87	30.46	-30.45	-.42	.54962	.42	1.20	181	
7	7	24	1	49.08	49.45	49.45	.47	.57751	-.37	-.76	0	
7	7	25	1	10.95	10.66	-10.66	-.12	.61466	.29	.36	181	
7	7	26	1	32.97	30.05	-30.05	-.30	.65949	2.92	7.17	181	
7	7	27	1	9.86	8.95	-8.95	-.58	.67518	.91	.96	184	
7	7	28	1	13.16	2.73	-2.73	-.04	.63054	2.48	1.57	181	
7	7	29	1	5.61	7.00	7.00	.10	.56526	3.18	5.07	184	
7	7	30	1	14.38	12.91	-12.90	-.58	.54750	-1.39	-1.10	0	
7	7	31	1	10.49	10.12	-10.12	.16	.54114	.37	.53	0	
7	7	32	1	16.93	16.17	-16.17	-.40	.54657	.75	1.55	182	
7	7	33	1	4.50	2.47	-2.47	.03	.56347	2.03	1.24	179	
7	7	34	1	14.09	14.21	14.21	-.13	.59084	-.12	-.19	0	
7	7	35	1	3.41	2.02	2.01	.11	.62732	1.40	.57	3	
7	7	36	1	3.58	1.65	-1.65	-.05	.67142	1.93	.76	182	
7	7	37	1	35.40	37.30	-37.29	-.86	.68675	-1.89	-4.65	182	
7	7	38	1	20.69	21.94	-21.94	-.10	.64303	-1.25	-2.50	181	
7	7	39	1	31.35	32.38	-32.37	-.77	.60679	-1.03	-2.75	182	
7	7	40	1	6.13	3.51	3.50	.35	.57943	2.61	2.16	5	
7	7	41	1	19.84	19.13	19.13	.24	.56224	.71	1.60	0	
7	7	42	1	14.71	15.92	-15.92	-.12	.55619	-1.21	-2.23	181	
7	7	43	1	24.23	26.46	-26.45	-.35	.56161	-2.22	-5.55	181	
7	7	44	1	3.25	.59	-.56	.19	.57820	2.67	1.15	160	
7	7	45	1	4.48	2.12	2.06	.48	.60503	2.36	1.30	13	
7	7	46	1	4.28	.59	-.58	.10	.64082	3.69	1.81	170	
7	7	47	1	17.80	16.43	-16.43	-.03	.68416	1.36	2.27	181	
7	7	48	1	3.60	1.78	-1.77	.24	.69913	1.82	.71	172	
7	7	49	1	5.75	7.35	-7.35	-.09	.65635	-1.60	-1.07	181	
7	7	50	1	3.35	.28	.21	.19	.62101	3.06	1.28	43	
7	7	51	1	3.22	.05	-.01	-.05	.59443	3.17	1.38	262	
7	7	52	1	5.14	.10	-.10	.02	.57783	5.04	3.59	170	
7	7	53	1	4.84	5.80	-5.80	-.12	.57207	-.96	-.64	182	
7	7	54	1	10.13	11.19	-11.19	-.14	.57748	-1.06	-1.35	181	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
7	12	-1	1	12.70	14.37	-14.36	-.24	.59375	-1.67	-2.47	181
7	12	0	1	7.88	6.89	-6.88	-.26	.62003	.99	.93	183
7	12	1	1	9.99	10.90	-10.90	-.18	.65511	-.91	-.98	181
7	12	2	1	23.74	22.97	-22.96	-.59	.69767	.76	1.49	182
7	13	-7	1	10.84	6.89	6.89	-.05	.67046	3.95	4.73	0
7	13	-6	1	14.58	11.19	-11.17	-.64	.63602	3.39	5.33	184
7	13	-5	1	19.02	19.60	-19.60	-.09	.61022	-.57	-1.15	181
7	13	-4	1	15.11	13.50	13.50	.12	.59418	1.61	2.85	0
7	13	-3	1	21.16	19.64	-19.63	-.52	.58871	1.52	3.40	182
7	13	-2	1	7.93	3.10	-3.03	-.65	.59410	4.83	4.84	193
7	13	-1	1	14.20	15.75	-15.74	.22	.61005	-1.55	-2.40	0
7	13	0	1	51.70	51.64	-51.63	-.92	.63578	.07	.13	182
7	13	1	1	9.61	10.53	10.53	-.00	.67015	-.92	-.90	0
7	14	-7	1	6.73	9.86	9.86	.16	.68529	-.92	-2.24	0
7	14	-6	1	12.93	15.38	15.37	.26	.65176	-3.13	-2.24	0
7	14	-5	1	4.43	6.70	6.70	.15	.62673	-2.44	-3.28	0
7	14	-4	1	8.53	10.79	10.78	.42	.61125	-2.28	-1.23	1
7	14	-3	1	10.00	11.00	11.00	.15	.60606	-2.26	-2.32	2
7	14	-2	1	16.36	18.31	18.30	.62	.61141	-1.00	-1.19	0
7	14	-1	1	3.45	2.14	2.14	.13	.61141	-1.95	-3.47	1
7	14	0	1	21.40	22.66	22.64	.79	.62705	-1.95	-3.47	1
7	14	1	1	5.60	11.34	11.34	.20	.65222	1.30	.53	3
7	15	-7	1	36.28	38.19	38.18	.73	.68588	-1.26	-2.44	1
7	15	-6	1	3.85	8.35	8.32	.73	.70082	-5.74	-3.27	1
7	15	-5	1	15.66	16.71	-16.71	-.18	.66818	-1.91	-4.65	1
7	15	-4	1	45.14	44.00	43.99	1.07	.64390	-4.50	-1.87	5
7	15	-3	1	3.39	3.86	3.86	.03	.62897	-1.05	-1.69	181
7	15	-2	1	50.66	50.69	50.67	1.41	.62937	1.14	2.53	1
7	15	-1	1	16.98	18.63	18.63	.27	.64468	-.02	-.04	1
7	15	0	1	43.17	41.91	-41.91	.08	.66931	-1.65	-2.75	0
7	15	1	1	10.07	7.73	7.73	.08	.70226	1.26	2.93	179
7	16	-6	1	19.58	20.41	-20.40	-.63	.68523	2.34	2.30	0
7	16	-5	1	3.51	5.58	-5.58	-.13	.66169	-.84	-1.50	182
7	16	-4	1	11.43	14.31	-14.29	-.73	.64729	-2.07	-.82	182
7	16	-3	1	3.69	7.51	-7.51	-.19	.64262	-2.88	-3.50	183
7	16	-2	1	24.32	26.08	-26.06	-.96	.64791	-3.82	-1.62	182
7	16	-1	1	8.76	10.52	-10.52	-.13	.66291	-1.76	-3.74	183
7	16	0	1	39.09	38.98	-38.96	-.13	.66291	-1.76	-3.74	181
7	16	1	1	15.53	16.55	-16.51	-.18	.68699	-1.76	-1.66	181
7	17	-6	1	9.24	7.82	-7.82	-.27	.70286	-.10	.26	182
7	17	-5	1	48.52	49.23	-49.21	-.27	.68005	-1.01	-1.46	184
7	17	-4	1	17.15	16.17	16.17	-.56	.66615	1.42	1.42	182
7	17	-3	1	7.46	2.65	-2.49	.18	.66615	-.71	-1.54	182
7	17	-2	1	5.79	5.71	5.71	.91	.66699	.98	1.63	0
7	17	-1	1	8.53	9.27	9.27	-.07	.68168	4.81	3.81	341
7	18	-5	1	31.23	32.17	32.17	.17	.69893	.08	.05	181
7	18	-4	1	3.61	1.87	-1.87	.09	.68552	-.74	-.64	1
7	18	-3	1	22.35	23.70	23.67	.03	.68134	-.95	-2.21	1
7	18	-2	1	11.66	10.19	10.19	.12	.68655	1.74	.67	178
7	18	-1	1	11.05	11.86	11.86	.15	.70095	-1.35	-2.55	2
7	19	-4	1	25.83	25.73	25.71	.01	.69784	1.48	1.67	0
7	19	-3	1	3.67	2.66	2.66	.01	.69345	-.81	-.87	0
7	19	-2	1	29.41	30.94	30.92	1.21	.69828	1.02	.39	0
7	19	-1	1	39.56	38.07	38.07	.70	.69410	-1.53	-3.32	2
7	18	-4	1	15.09	16.32	16.30	.85	.68043	1.49	3.42	1
7	18	-3	1	3.58	4.63	4.63	.04	.67603	-1.23	-1.76	2
7	18	-2	1						-1.05	-.41	0

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
8	-18	-2	1	16.49	16.12	16.11	.70	.68111	.37	.56	181
8	-18	-1	1	17.67	17.07	-17.06	-.11	.69543	.60	.95	181
8	-17	-6	1	21.94	22.00	-21.98	-.96	.70037	-.06	-.11	183
8	-17	-5	1	3.55	3.23	-3.23	-.01	.67752	.33	.13	181
8	-17	-4	1	24.70	24.94	-24.91	-1.08	.66362	-.24	-.50	183
8	-17	-3	1	4.70	4.82	-4.82	-.08	.65923	-.12	-.06	181
8	-17	-2	1	28.05	28.98	-28.96	-1.09	.66454	-.93	-2.10	183
8	-17	-1	1	6.66	4.05	-4.04	-.15	.67933	2.61	1.83	183
8	-17	0	1	7.88	7.86	-7.82	-.77	.70300	.02	.02	186
8	-16	-6	1	26.82	27.61	-27.59	-1.04	.68486	-.78	-1.69	183
8	-16	-5	1	6.01	3.03	-3.03	.11	.66158	2.98	1.99	2
8	-16	-4	1	56.58	57.40	-57.39	-.99	.64746	-.81	-1.56	181
8	-16	-3	1	6.35	4.93	-4.93	-.21	.64307	1.42	1.03	358
8	-16	-2	1	9.41	8.38	-8.37	-.45	.64864	1.03	1.08	184
8	-16	-1	1	41.33	42.45	-42.45	-.52	.65389	-1.13	-2.58	181
8	-16	0	1	5.56	5.04	-5.04	-.09	.68820	4.56	2.62	186
8	-15	-7	1	7.69	21.58	-21.57	.00	.70211	2.65	2.10	179
8	-15	-6	1	20.85	21.58	-21.57	.80	.67003	-.73	-1.39	2
8	-15	-5	1	11.61	9.67	-9.67	.26	.64634	1.94	2.50	1
8	-15	-4	1	18.14	17.77	-17.75	.78	.63199	.37	.69	2
8	-15	-3	1	11.91	11.41	-11.41	.21	.62762	.50	.66	1
8	-15	-2	1	4.06	4.01	-3.96	.58	.63344	.05	.03	8
8	-15	-1	1	8.55	7.27	-7.27	.10	.64917	1.29	1.21	179
8	-15	0	1	22.15	23.65	-23.64	.70	.67412	-1.51	-2.89	1
8	-14	-7	1	31.00	31.16	-31.15	.66	.68857	-.15	-.35	1
8	-14	-6	1	22.00	22.98	-22.96	.76	.65594	-.97	-1.93	1
8	-14	-5	1	17.92	18.06	-18.06	-.15	.63184	-.15	-.27	181
8	-14	-4	1	6.38	4.05	-4.05	.24	.61728	2.33	1.86	3
8	-14	-3	1	14.16	13.97	-13.97	.34	.61292	.19	.30	1
8	-14	-2	1	12.23	15.36	-15.35	.45	.61900	-3.13	-4.26	1
8	-14	-1	1	11.12	11.06	-11.06	.24	.63521	.06	.07	1
8	-14	0	1	12.46	10.84	-10.84	-.27	.66080	1.63	2.03	182
8	-14	1	1	3.67	.40	-.39	.04	.69475	3.27	1.25	6
8	-13	-7	1	7.64	6.13	-6.12	-.21	.67579	3.27	1.25	6
8	-13	-6	1	15.84	15.86	-15.85	-.51	.64263	-.02	-.03	182
8	-13	-5	1	3.37	2.11	-2.10	-.20	.61813	1.26	.52	186
8	-13	-4	1	12.59	14.18	-14.17	-.41	.60336	-1.58	-2.25	182
8	-13	-3	1	3.31	.37	-.29	-.24	.59904	2.94	1.24	321
8	-13	-2	1	3.36	1.13	-1.13	-.09	.60538	2.23	.93	356
8	-13	-1	1	19.06	18.29	-18.28	-.40	.62207	.77	1.48	182
8	-13	0	1	5.07	5.90	-5.90	.01	.64830	-.83	-.46	0
8	-13	1	1	5.74	1.43	-1.41	-.17	.68297	4.31	2.58	354
8	-12	-8	1	30.51	31.99	-31.99	-.69	.70503	-1.48	-3.34	182
8	-12	-7	1	41.61	39.73	-39.73	.44	.66382	1.88	4.42	0
8	-12	-6	1	5.67	2.69	-2.68	-.10	.63015	1.88	2.12	358
8	-12	-5	1	41.09	42.97	-42.96	-.72	.60527	-1.88	-4.49	181
8	-12	-4	1	7.38	2.79	-2.78	.19	.59031	4.59	4.39	3
8	-12	-3	1	27.90	28.58	-28.58	-.33	.58602	-.68	-1.76	181
8	-12	-2	1	16.90	14.85	-14.85	.19	.59263	2.05	3.84	0
8	-12	-1	1	35.30	34.85	-34.85	.29	.60979	.44	1.16	0
8	-12	0	1	20.56	21.45	-21.45	-.05	.63664	-.89	-1.76	181
8	-12	1	1	10.13	10.59	-10.59	-.19	.67203	-.46	-.49	181
8	-11	-8	1	3.56	.50	-.47	.16	.69447	3.06	1.20	182
8	-11	-7	1	10.84	11.97	-11.97	.34	.65271	-1.13	-1.33	18
8	-11	-6	1	4.75	2.71	-2.71	.01	.61855	2.04	1.21	179
8	-11	-5	1	7.10	.99	-.96	.23	.59332	6.11	5.76	13

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
8	-11	-4	1	10.50	10.48	-10.48	-.23	.57818	.02	.02	182	
8	-11	-3	1	3.25	4.94	4.93	.28	.57393	-1.69	-.73	182	
8	-11	-2	1	11.06	12.06	-12.05	-.27	.58081	-1.00	-1.36	182	
8	-11	-1	1	6.60	.99	-.96	.23	.59843	5.61	4.64	166	
8	-11	0	1	22.24	21.98	-21.97	-.69	.62590	.26	.56	182	
8	-11	1	1	3.82	.81	-.77	.22	.66197	3.01	1.25	164	
8	-10	-8	1	36.28	34.63	-34.63	-.41	.68476	1.64	4.10	181	
8	-10	-7	1	28.13	27.42	27.42	.32	.64249	.70	1.69	0	
8	-10	-6	1	13.12	12.76	12.75	-.53	.60789	.36	.55	358	
8	-10	-5	1	5.46	.96	-.94	.21	.58233	4.49	3.30	167	
8	-10	-4	1	17.60	18.43	18.43	.02	.56703	-.82	-1.64	0	
8	-10	-3	1	25.77	25.46	-25.46	-.27	.56283	.31	-.82	181	
8	-10	-2	1	20.49	19.40	-19.38	-.93	.56997	1.09	2.44	183	
8	-10	-1	1	42.77	43.06	43.05	.51	.58805	-.29	-.66	0	
8	-10	0	1	9.73	7.48	-7.46	.41	.58805	-.29	-.66	0	
8	-10	1	1	19.66	20.84	20.84	.11	.61610	2.26	2.55	184	
8	-10	2	1	17.98	17.48	-17.47	-.50	.65284	-1.17	-2.16	0	
8	-9	-8	1	3.58	4.52	4.52	.21	.69689	.50	.79	182	
8	-9	-7	1	5.20	5.34	5.33	-.18	.67596	-.94	-.37	2	
8	-9	-6	1	12.71	14.64	14.63	.45	.63322	-.14	-.08	359	
8	-9	-5	1	8.91	8.76	-8.76	-.28	.59821	-1.93	-2.83	1	
8	-9	-4	1	25.75	27.67	27.66	.77	.57235	.15	.18	182	
8	-9	-3	1	11.66	8.57	-8.56	-.33	.55691	-1.92	-4.93	1	
8	-9	-2	1	33.02	34.44	34.47	.90	.55277	3.09	4.68	183	
8	-9	-1	1	5.48	8.21	8.21	-.10	.56018	-1.46	-3.64	1	
8	-9	0	1	21.33	22.37	22.35	.96	.57870	-2.73	-1.91	0	
8	-9	1	1	3.79	2.90	2.89	-.13	.60730	-1.04	-2.19	2	
8	-9	2	1	23.93	24.64	24.61	1.09	.64466	.89	.38	358	
8	-8	-8	1	33.04	32.44	32.43	.93	.68934	-.70	-1.38	2	
8	-8	-7	1	36.66	37.41	-37.41	-.60	.66810	.60	1.44	1	
8	-8	-6	1	13.57	11.65	11.62	.77	.62494	-.75	-1.91	181	
8	-8	-5	1	16.13	15.25	15.25	.12	.58956	1.92	3.10	3	
8	-8	-4	1	26.55	25.50	25.48	1.01	.56344	.88	1.72	0	
8	-8	-3	1	12.39	13.08	-13.08	-.20	.54789	1.05	2.76	2	
8	-8	-2	1	15.39	14.77	14.75	.70	.54382	-.70	-1.11	181	
8	-8	-1	1	7.61	3.65	3.65	.06	.55149	.62	1.18	2	
8	-8	0	1	32.18	32.49	32.48	.92	.57042	3.96	3.99	0	
8	-8	1	1	23.03	21.68	21.68	.18	.59955	-.31	-.79	0	
8	-8	2	1	8.09	8.88	8.87	.46	.63747	1.35	2.94	1	
8	-7	-8	1	20.47	21.59	-21.58	-.66	.68274	-.79	-.64	2	
8	-7	-7	1	4.96	1.15	1.14	.19	.66120	-1.12	-2.13	182	
8	-7	-6	1	17.84	20.11	-20.09	-.90	.61768	3.80	2.34	9	
8	-7	-5	1	3.11	4.43	-4.42	.19	.58200	-2.27	-4.65	183	
8	-7	-4	1	22.05	23.72	-23.70	-.99	.55565	-1.32	-.59	177	
8	-7	-3	1	3.14	3.89	-3.89	.10	.54002	-1.67	-4.20	183	
8	-7	-2	1	49.85	51.34	-51.32	-.14	.53603	-.75	-.33	178	
8	-7	-1	1	9.71	8.59	8.59	.25	.54395	-1.49	-2.81	182	
8	-7	0	1	37.22	38.18	-38.16	-.13	.56326	1.11	1.38	1	
8	-7	1	1	8.00	5.95	5.95	.12	.59287	-.96	-2.35	182	
8	-7	2	1	25.73	27.35	-27.32	-.12	.63132	2.05	1.90	1	
8	-6	-8	1	8.26	6.30	-6.22	-.08	.67711	-1.62	-3.37	183	
8	-6	-7	1	25.78	25.22	-25.22	-.08	.65530	1.96	1.84	190	
8	-6	-6	1	16.06	17.47	-17.44	-.92	.61148	.56	1.38	181	
8	-6	-5	1	3.11	1.64	-1.64	-.06	.57555	-1.41	-2.67	184	
8	-6	-4	1	101.91	102.27	-102.25	-.92	.54903	-.36	-.66	183	
8	-6	-3	1	28.00	26.70	26.70	.42	.53334	1.30	-.38	182	
8	-6	-2	1					.52945		3.75	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
8	-6	-2	1	5.26	3.60	3.55	-.63	.53760	1.65	1.24	350	
8	-6	0	1	30.34	31.23	-31.23	-.39	.55728	-.89	-2.47	181	
8	-6	1	1	17.32	17.88	-17.88	-.83	.58732	-.56	-1.06	183	
8	-6	1	1	16.57	16.14	-16.13	-.21	.62623	.43	.74	181	
8	-5	2	1	18.50	18.99	-18.99	-.53	.67248	-.50	-.82	182	
8	-5	2	1	5.33	2.79	2.79	-.08	.70088	2.54	1.40	359	
8	-5	-9	1	24.72	24.99	24.97	.92	.65042	-.27	-.59	2	
8	-5	-8	1	3.29	.95	-.94	-.14	.60638	2.35	1.00	189	
8	-5	-7	1	30.11	32.27	32.25	1.18	.57025	-2.16	-5.91	2	
8	-5	-6	1	3.09	3.00	-3.00	-.17	.54362	-.09	-.91	184	
8	-5	-5	1	43.15	43.57	43.55	1.40	.52792	.09	.04	1	
8	-5	-4	1	7.32	5.29	5.29	-.06	.52413	2.03	2.19	0	
8	-5	-3	1	41.72	43.47	43.44	1.43	.53250	-1.74	-4.04	1	
8	-5	-2	1	8.32	8.45	8.45	-.04	.55250	-.14	-.15	0	
8	-5	-1	1	32.78	33.84	33.81	1.40	.58291	-1.06	-2.77	2	
8	-5	0	1	3.44	1.25	-1.25	-.07	.62222	2.19	.89	184	
8	-5	1	1	33.90	35.47	35.44	1.39	.66886	-1.57	-3.78	2	
8	-4	2	1	13.76	13.04	-13.04	-.30	.66722	.72	.95	182	
8	-4	-9	1	36.87	36.25	36.21	1.59	.64659	.63	1.67	2	
8	-4	-7	1	7.09	5.04	-5.04	-.04	.60240	2.05	1.86	181	
8	-4	-6	1	62.84	62.46	62.43	1.86	.56615	.38	.65	1	
8	-4	-5	1	12.29	9.11	-9.10	-.23	.53946	3.18	5.49	182	
8	-4	-4	1	36.51	33.92	-33.91	.58	.52377	2.59	6.77	179	
8	-4	-3	1	34.32	34.13	34.13	.49	.52010	.19	.55	0	
8	-4	-2	1	34.07	35.87	35.85	1.25	.52869	-1.80	-4.74	1	
8	-4	-1	1	30.65	29.73	-29.73	-.24	.54896	-.91	2.61	181	
8	-4	0	1	71.55	72.95	72.95	1.06	.57969	-1.41	-1.95	181	
8	-4	1	1	9.05	7.65	-7.65	-.01	.61933	1.40	1.46	181	
8	-4	2	1	16.00	14.77	-14.76	.27	.66628	1.23	1.82	178	
8	-3	-9	1	3.58	1.04	-1.04	.06	.69456	2.54	1.82	176	
8	-3	-8	1	26.32	27.86	-27.84	-1.08	.64383	-1.54	-3.55	183	
8	-3	-7	1	6.06	1.92	-1.92	.05	.59956	4.14	3.40	178	
8	-3	-6	1	28.89	28.98	-28.96	-1.19	.56327	-.09	-.26	183	
8	-3	-5	1	3.54	5.07	-5.07	-.01	.53657	-1.53	-.83	181	
8	-3	-4	1	50.98	49.41	-49.39	-1.50	.52095	1.57	3.17	182	
8	-3	-3	1	6.88	5.71	5.71	.15	.51740	1.17	1.22	1	
8	-3	-2	1	46.02	47.02	-47.00	-1.37	.52617	-1.00	-2.18	182	
8	-3	-1	1	6.63	6.57	-6.57	-.05	.54668	.06	.06	181	
8	-3	0	1	23.68	22.92	-22.88	-1.25	.57766	.77	1.82	184	
8	-3	1	1	17.05	17.45	-17.45	-.13	.61755	-.40	-.71	181	
8	-3	2	1	24.38	25.17	-25.15	-1.03	.66474	-.79	-1.64	183	
8	-2	-9	1	15.97	14.45	-14.45	.20	.69289	1.52	2.38	0	
8	-2	-8	1	37.97	38.20	-38.17	-1.51	.64216	-.23	-.58	183	
8	-2	-7	1	14.77	15.74	-15.74	-.16	.59789	-.97	-1.65	181	
8	-2	-6	1	45.14	45.34	-45.31	-1.52	.56162	-.20	-.47	182	
8	-2	-5	1	3.13	2.16	2.16	.12	.53498	.97	.46	3	
8	-2	-4	1	33.44	33.68	-33.66	-.99	.51946	-.23	-.66	182	
8	-2	-3	1	7.98	9.67	-9.67	-.19	.51604	-1.69	-1.93	182	
8	-2	-2	1	35.45	36.47	-36.45	-1.13	.52499	-1.01	-2.61	182	
8	-2	-1	1	10.53	11.44	-11.44	-.06	.54567	-.91	-1.28	181	
8	-2	0	1	12.10	10.34	10.34	-.11	.57684	1.76	2.59	0	
8	-2	1	1	7.34	4.83	4.83	-.04	.61691	2.51	2.17	0	
8	-2	2	1	29.22	31.72	-31.72	-.65	.66426	-2.50	-5.52	182	
8	-1	-9	1	3.58	1.23	1.23	.01	.69224	2.34	.92	0	
8	-1	-8	1	22.89	22.58	22.55	1.02	.64157	.31	.69	2	
8	-1	-7	1	3.22	.07	.06	-.03	.59738	3.16	1.37	331	



H	K	L	GRP	FO	FC	A	B	SINTH/LH	DF	W+DF	ANGLE CALC
8	-1	-6	1	28.65	28.48	28.45	1.17	.56122	.17	.47	2
8	-1	-5	1	6.14	2.65	2.65	.02	.53470	3.49	3.31	0
8	-1	-4	1	25.57	25.55	25.53	1.08	.51931	.02	.07	2
8	-1	-3	1	10.52	8.36	35.11	.08	.51605	2.16	3.34	0
8	-1	-2	1	33.93	35.11	35.10	1.11	.52513	-1.19	-3.17	1
8	-1	-1	1	10.50	10.02	-10.02	-.07	.54595	.47	.65	1
8	-1	0	1	34.64	34.70	34.68	1.04	.57724	-.05	-.13	181
8	-1	1	1	4.42	5.18	-5.18	-.04	.61740	-1.76	-.72	181
8	-1	2	1	4.13	2.03	1.96	.56	.66483	2.09	.90	15
8	0	-9	1	17.63	18.14	18.14	.17	.69259	-.50	-.85	0
8	0	-8	1	47.61	47.97	47.95	1.38	.64207	-.36	-.80	0
8	0	-7	1	12.00	13.38	13.38	.03	.59805	-1.38	-2.00	0
8	0	-6	1	12.41	12.27	12.25	.60	.56207	.14	.24	2
8	0	-5	1	13.37	12.40	12.40	.29	.53573	.97	1.79	1
8	0	-4	1	54.90	54.52	54.50	1.29	.52052	.38	.78	1
8	0	-3	1	24.23	22.32	-22.32	-.44	.51741	1.90	5.13	182
8	0	-2	1	19.41	19.86	19.86	.39	.52661	-.45	-1.05	1
8	0	-1	1	40.02	40.64	40.64	.41	.54752	-.62	-1.62	0
8	0	0	1	19.38	19.54	19.54	.28	.57885	-.16	-.35	0
8	0	1	1	31.21	31.72	31.72	.29	.61903	-.51	-1.31	0
8	0	2	1	9.85	6.01	-6.01	-.03	.66646	3.85	3.85	0
8	1	-9	1	5.09	.22	.21	-.05	.69396	4.87	2.71	181
8	1	-8	1	15.86	16.32	-16.30	-.78	.64367	-.47	-2.71	348
8	1	-7	1	3.60	3.21	-3.21	-.07	.59989	-.47	-.74	183
8	1	-6	1	20.50	19.14	-19.12	-.85	.56416	.39	.19	182
8	1	-5	1	3.02	2.58	2.58	.03	.53806	1.35	3.11	183
8	1	-4	1	19.53	18.27	-18.26	-.74	.52306	.43	.20	0
8	1	-3	1	5.30	1.91	1.91	-.03	.52011	1.26	2.92	183
8	1	-2	1	22.31	22.55	-22.54	-.65	.52942	3.38	2.74	359
8	1	-1	1	6.90	7.29	-7.29	-.07	.55035	-.25	-.62	182
8	1	0	1	7.80	7.48	7.48	-.25	.58166	-.39	-.37	181
8	1	1	1	3.77	6.45	6.45	.04	.62178	.32	.30	359
8	1	1	1	14.20	12.99	-12.99	-.33	.66913	-2.68	-1.15	0
8	1	2	1	24.21	27.06	-27.05	-.44	.69634	1.21	1.69	182
8	2	-8	1	3.50	2.66	-2.55	-.75	.64634	-2.85	-5.76	181
8	2	-7	1	36.84	35.53	35.53	.50	.60289	.84	.33	197
8	2	-6	1	46.01	45.62	-45.61	-.89	.56748	.39	.88	0
8	2	-5	1	27.73	28.68	-28.68	-.20	.54168	-.96	-2.66	181
8	2	-4	1	9.77	8.52	8.52	-.23	.52693	1.25	1.68	359
8	2	-3	1	14.57	14.21	-14.21	-.29	.52415	1.25	1.68	182
8	2	-2	1	25.59	23.53	23.53	.38	.53352	.36	.69	0
8	2	-1	1	27.71	28.23	28.23	.23	.55444	2.06	5.51	0
8	2	0	1	60.66	60.74	-60.73	-.63	.58566	-.08	-1.42	0
8	2	1	1	11.75	11.92	11.92	.14	.62564	-.17	-.22	181
8	2	1	1	6.62	40.55	40.55	.62	.67283	1.55	3.51	0
8	2	1	1	12.35	12.49	12.48	.02	.69971	5.01	3.56	179
8	2	1	1	3.26	1.97	-1.97	.04	.60703	-1.14	-1.19	2
8	2	1	1	7.31	7.82	-7.81	.26	.57200	1.29	.55	178
8	2	1	1	3.08	7.82	-7.81	.26	.57200	1.29	.55	178
8	2	1	1	17.04	15.84	15.84	.06	.54656	2.64	1.20	178
8	2	1	1	3.07	3.07	-3.07	-.03	.52948	1.19	2.46	1
8	2	1	1	4.75	.20	.19	.07	.53890	-.00	-.00	181
8	2	1	1	3.17	.83	.83	.01	.55975	4.54	3.03	18
8	2	1	1	13.87	.83	.83	.01	.55982	2.34	1.03	0
8	2	1	1	3.43	1.69	1.69	.06	.63060	-.33	-.52	0
8	2	1	1						1.74	.71	2

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINT/H/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
8	3	2	1	13.32	13.14	-13.13	-.36	.67755	.19	.24	182	
8	4	-9	1	21.06	20.30	-20.30	-.38	.70406	.76	1.37	182	
8	4	-8	1	3.40	1.49	-1.48	.17	.65489	1.91	.79	173	
8	4	-7	1	37.84	38.09	38.08	.49	.61228	-.25	-.66	0	
8	4	-6	1	25.44	25.97	25.97	.15	.57771	-.53	-1.36	0	
8	4	-5	1	44.90	43.43	-43.43	-.38	.55267	1.47	3.41	181	
8	4	-4	1	64.96	62.17	-62.16	-.63	.53850	2.79	4.98	181	
8	4	-3	1	21.55	22.19	22.19	.13	.53606	-.64	-1.57	0	
8	4	-2	1	48.81	49.51	49.51	.14	.54551	-.70	-1.34	0	
8	4	-1	1	3.22	1.11	1.11	.03	.56625	2.11	.92	1	
8	4	0	1	37.65	36.88	-36.87	-.80	.59711	.78	1.92	182	
8	4	1	1	10.26	10.20	10.19	.07	.63661	.06	.07	0	
8	5	2	1	3.77	2.90	-2.89	-.26	.68327	.87	.34	186	
8	5	-8	1	4.38	1.74	1.74	-.04	.66071	2.64	1.35	359	
8	5	-7	1	6.51	6.10	6.10	.02	.61863	.41	.32	0	
8	5	-6	1	4.31	8.72	8.72	.12	.58456	-4.41	-2.52	0	
8	5	-5	1	6.02	.92	-.92	-.03	.55997	5.10	4.45	182	
8	5	-4	1	14.24	13.94	13.93	.38	.54612	.30	.56	1	
8	5	-3	1	3.44	4.46	4.46	-.03	.54386	-1.06	-.51	0	
8	5	-2	1	21.27	22.08	22.07	.66	.55331	-.81	-1.90	1	
8	5	-1	1	10.29	10.49	10.49	.07	.57390	-.20	-.27	0	
8	5	0	1	6.80	8.72	8.70	.54	.60449	-1.92	-1.53	3	
8	5	1	1	3.57	4.46	4.46	.08	.64366	-.89	-.36	1	
8	5	2	1	34.12	34.59	34.57	.94	.68995	-.46	-1.09	1	
8	6	-8	1	30.88	32.06	-32.06	.25	.66753	-1.18	-2.87	179	
8	6	-7	1	29.70	29.41	-29.41	-.39	.62604	.28	.71	181	
8	6	-6	1	43.97	42.22	42.21	.92	.59252	1.75	3.77	181	
8	6	-5	1	7.45	8.99	8.99	-.06	.56840	-1.55	-1.52	181	
8	6	-4	1	3.73	2.93	2.85	.68	.55491	.80	.42	13	
8	6	-3	1	3.16	.48	.46	.16	.55281	2.67	1.18	18	
8	6	-2	1	19.27	18.06	-18.06	.32	.56225	1.20	2.65	178	
8	6	-1	1	7.83	10.05	-10.05	-.01	.58265	-2.23	-2.19	181	
8	6	0	1	61.63	63.56	63.55	1.27	.61293	-1.93	-3.01	1	
8	6	1	1	4.76	3.17	-3.17	-.06	.65171	1.59	.83	182	
8	6	2	1	23.70	23.77	-23.77	.17	.69758	-.07	-.14	179	
8	7	-8	1	17.35	20.67	-20.67	-.46	.67533	-3.32	-5.40	182	
8	7	-7	1	5.18	2.85	-2.85	-.01	.63446	2.32	1.46	181	
8	7	-6	1	20.17	21.93	-21.92	-.65	.60154	-1.76	-3.77	182	
8	7	-5	1	11.23	11.27	-11.27	-.05	.57793	-.04	-.06	181	
8	7	-4	1	23.10	24.02	-24.00	-.83	.56480	-.92	-2.26	182	
8	7	-3	1	4.76	.08	.07	-.03	.56288	4.68	3.15	341	
8	7	-2	1	19.55	20.52	-20.50	-.98	.57228	-.97	-2.08	183	
8	7	-1	1	3.32	5.54	-5.54	.01	.59246	-2.22	-.93	179	
8	7	0	1	44.72	45.27	-45.26	-.12	.62239	-.55	-1.22	182	
8	7	1	1	3.57	2.62	-2.62	-.03	.66073	.95	.37	181	
8	8	-8	1	29.72	31.02	-31.00	-1.14	.66406	-1.30	-2.98	183	
8	8	-7	1	53.66	54.27	-54.26	-.67	.64386	-.60	-1.16	181	
8	8	-6	1	25.06	23.70	-23.68	-.96	.61158	1.36	3.26	183	
8	8	-5	1	8.95	5.99	5.99	.05	.58850	2.96	3.49	0	
8	8	-4	1	27.85	26.77	-26.75	-.01	.57574	1.08	2.87	183	
8	8	-3	1	3.92	3.67	-3.67	.16	.57398	.25	.13	183	
8	8	-2	1	50.87	52.40	-52.37	-1.57	.58334	-1.53	-2.80	182	
8	8	-1	1	5.75	6.34	6.34	.03	.60328	-.59	-.41	0	
8	8	0	1	28.29	26.56	-26.56	-.13	.63281	1.73	4.06	0	
8	8	1	1	24.00	24.48	-24.48	-.33	.67067	-.49	-.98	0	
8	9	-8	1	19.95	21.07	-21.06	.73	.69369	-1.12	-2.01	1	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
8	9	-7	1	4.23	6.72	6.72	.04	.65421	-2.49	-1.20	0	
8	9	-6	1	30.78	31.84	31.82	1.04	.62258	-1.06	-2.70	1	
8	9	-5	1	5.68	1.73	-1.73	-.02	.60005	3.94	2.92	181	
8	9	-4	1	34.30	35.13	35.10	1.22	.58767	-.83	-2.34	1	
8	9	-3	1	3.24	8.18	8.18	.06	.58608	-4.94	-2.14	0	
8	9	-2	1	24.25	25.98	25.95	1.20	.59537	-1.72	-4.03	2	
8	9	-1	1	3.54	5.94	5.94	.05	.61504	-2.40	-1.03	0	
8	9	0	1	42.28	43.44	43.42	1.43	.64415	-1.16	-2.75	1	
8	9	1	1	3.63	1.88	-1.88	-.05	.68149	1.76	.68	182	
8	10	-8	1	25.51	28.32	28.29	1.40	.70419	-2.82	-5.66	2	
8	10	-7	1	14.74	15.03	15.03	.07	.66544	-.28	-.43	0	
8	10	-6	1	61.44	62.19	62.17	1.64	.63449	-.75	-1.15	1	
8	10	-5	1	20.53	20.45	-20.44	-.30	.61252	.08	.17	181	
8	10	-4	1	18.08	18.27	18.24	1.11	.60053	-.19	-.38	3	
8	10	-3	1	22.83	23.58	23.58	.24	.59910	-.75	-1.73	0	
8	10	-2	1	35.49	36.64	36.62	1.18	.60832	-1.15	-3.04	0	
8	10	-1	1	11.74	12.06	12.06	.05	.62771	-.32	-.41	1	
8	10	0	1	27.82	28.12	28.11	.77	.65637	-.31	-.69	0	
8	10	1	1	13.13	12.13	12.12	-.22	.69316	1.01	1.25	1	
8	11	-7	1	7.83	8.41	-8.41	-.07	.67753	-.58	-.49	182	
8	11	-6	1	33.64	35.62	-35.60	-1.19	.64727	-1.97	-5.00	181	
8	11	-5	1	3.39	1.73	-1.73	-.05	.62587	1.66	.68	182	
8	11	-4	1	23.51	24.62	-24.59	-1.28	.61426	-1.11	-2.48	183	
8	11	-3	1	4.39	.25	.23	.09	.61299	4.14	2.30	21	
8	11	-2	1	38.79	40.89	-40.87	-1.44	.62212	-2.11	-4.75	183	
8	11	-1	1	5.03	2.34	-2.34	.03	.64121	2.70	1.62	0	
8	11	0	1	27.30	27.81	-27.78	-1.21	.66941	.51	-1.12	183	
8	12	-7	1	33.11	32.07	32.06	.61	.69042	1.04	2.48	1	
8	12	-6	1	49.95	50.29	-50.27	-1.62	.66087	-.34	-.75	182	
8	12	-5	1	15.65	15.95	-15.95	-.10	.64004	-.30	-.50	181	
8	12	-4	1	53.80	54.51	-54.48	-1.59	.62881	-.71	-1.38	182	
8	12	-3	1	24.35	23.86	23.86	.13	.62769	.49	1.09	0	
8	12	-2	1	18.97	17.64	17.63	-.37	.63673	1.33	2.41	359	
8	12	-1	1	9.02	10.85	-10.85	-.02	.65551	-1.83	-1.76	181	
8	12	0	1	36.99	38.41	-38.40	-1.11	.68323	-1.43	-3.51	182	
8	13	-7	1	5.96	1.53	-1.53	-.03	.70407	4.42	2.70	182	
8	13	-6	1	30.51	30.68	30.66	1.18	.67523	-.17	-.42	2	
8	13	-5	1	3.53	.46	.46	.02	.65497	3.07	1.22	357	
8	13	-4	1	22.47	24.30	24.27	1.19	.64412	-1.82	-3.71	2	
8	13	-3	1	26.66	28.37	28.34	1.18	.65209	-1.76	-.69	2	
8	13	-2	1	3.61	.23	.20	.11	.67055	3.38	1.31	209	
8	13	-1	1	29.16	29.75	29.73	1.08	.69779	-.59	-1.29	6	
8	14	-6	1	5.14	7.46	7.42	.85	.69030	-2.33	-1.25	2	
8	14	-5	1	27.76	28.19	28.19	.31	.67062	-.44	-.99	0	
8	14	-4	1	14.26	16.78	16.74	1.03	.66014	-2.51	-3.58	3	
8	14	-3	1	6.89	9.89	9.88	-.46	.65930	-3.00	-2.19	183	
8	14	-2	1	37.81	39.91	39.90	.97	.66814	-2.10	-5.19	1	
8	14	-1	1	8.60	9.98	-9.98	-.14	.68629	-1.37	-1.18	181	
8	15	-5	1	7.14	5.05	5.05	.14	.68693	2.09	1.56	1	
8	15	-4	1	18.78	18.71	-18.69	-.94	.67682	.06	.11	183	
8	15	-3	1	7.39	6.42	6.42	.13	.67611	.97	.76	1	
8	15	-2	1	12.72	10.62	-10.60	-.74	.68485	2.10	2.69	185	
8	15	-1	1	4.58	2.61	-2.60	.11	.70267	1.97	.93	177	
8	16	-5	1	29.28	27.63	27.62	.66	.70386	1.66	3.61	1	
8	16	-4	1	3.65	1.04	.98	-.34	.69410	2.60	1.00	341	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
8	16	-3	1	23.39	24.67	-24.67	-.20	.69353	-1.27	-2.43	181	
8	15	-2	1	29.56	31.05	-31.05	-.50	.70215	-1.49	-3.32	181	
9	-16	-5	1	6.08	4.78	-4.78	.20	.70392	1.29	.81	177	
9	-16	-4	1	26.89	28.42	-28.42	-1.00	.69442	-1.53	-3.17	183	
9	-16	-3	1	14.96	15.54	-15.54	.42	.69410	-.57	-.78	1	
9	-16	-2	1	29.49	29.66	-29.66	-1.02	.70298	-1.13	-.28	182	
9	-15	-5	1	21.32	20.46	-20.46	.18	.68984	1.36	2.56	0	
9	-15	-4	1	5.72	9.09	-9.09	-.70	.68026	-3.37	-1.95	185	
9	-15	-3	1	5.75	2.19	-2.19	.02	.68005	3.56	2.19	0	
9	-15	-2	1	24.73	25.56	-25.56	-.90	.68921	-.83	-1.63	183	
9	-14	-6	1	30.19	31.55	-31.55	1.15	.69533	-1.37	-3.08	2	
9	-14	-5	1	3.58	.50	-.44	-.24	.67651	3.09	1.21	332	
9	-14	-4	1	23.33	24.30	-24.27	1.11	.66685	-.96	-1.97	2	
9	-14	-3	1	5.76	5.04	-5.04	-.06	.66675	.72	.44	0	
9	-14	-2	1	35.96	36.77	-36.74	1.30	.67621	-.80	-2.00	2	
9	-14	-1	1	5.72	4.82	-4.82	-.16	.69484	.90	.52	182	
9	-13	-6	1	3.60	4.49	-4.45	.62	.68302	-.89	-.35	7	
9	-13	-5	1	34.66	34.05	-34.05	.45	.66397	.61	1.51	0	
9	-13	-4	1	45.26	45.50	-45.48	1.29	.65424	-.23	-.53	1	
9	-13	-3	1	32.28	31.07	-31.06	-.36	.65425	1.21	3.00	181	
9	-13	-2	1	5.16	6.28	-6.27	.41	.66400	-1.12	-.60	176	
9	-13	-1	1	9.33	12.71	-12.71	.25	.66400	-3.38	-3.09	1	
9	-12	-7	1	5.01	5.51	-5.51	.04	.68308	-.50	-.26	179	
9	-12	-6	1	27.50	28.66	-28.63	-.12	.67951	-1.16	-2.56	183	
9	-12	-5	1	9.43	9.80	-9.80	.21	.65226	-.37	-.39	1	
9	-12	-4	1	27.44	29.38	-29.35	-1.30	.64247	-1.94	-4.44	183	
9	-12	-3	1	6.32	7.32	-7.32	.03	.64247	-.99	-.71	179	
9	-12	-2	1	42.52	43.01	-42.99	-1.43	.65264	-.50	-.71	182	
9	-12	-1	1	5.18	4.33	-4.33	-.05	.67215	.84	1.19	181	
9	-12	0	1	8.54	10.04	-10.00	-.99	.70034	-1.50	-1.23	186	
9	-11	-7	1	12.59	12.40	-12.39	.24	.68921	.17	.24	1	
9	-11	-6	1	50.13	51.30	-51.28	-1.39	.66091	-1.17	-2.55	182	
9	-11	-5	1	7.84	6.99	-6.99	.02	.64143	.85	.77	179	
9	-11	-4	1	11.87	14.96	-14.94	-.75	.63160	-3.09	-3.89	183	
9	-11	-3	1	21.04	20.99	-20.98	-.27	.63185	.05	.10	182	
9	-11	-2	1	3.50	4.72	-4.71	-.12	.64218	-1.21	-.49	184	
9	-11	-1	1	9.34	9.78	-9.78	-.12	.66218	-.44	-.43	181	
9	-10	0	1	55.31	55.31	-55.30	-.94	.69082	.01	.02	181	
9	-10	-7	1	3.56	.80	.80	-.05	.67978	2.75	1.08	357	
9	-10	-6	1	18.38	20.06	-20.03	1.10	.65119	-1.67	-2.98	3	
9	-10	-5	1	8.51	6.77	-6.77	.10	.63153	1.74	1.72	0	
9	-10	-4	1	36.70	38.70	-38.68	1.26	.62166	-2.00	-4.94	1	
9	-10	-3	1	6.79	2.03	-2.03	-.00	.62204	4.75	3.89	181	
9	-10	-2	1	26.96	27.59	-27.56	1.13	.63265	-1.66	-2.05	2	
9	-10	-1	1	7.56	5.10	-5.10	.06	.65299	-.63	-1.44	0	
9	-10	0	1	24.48	26.14	-26.12	.97	.68219	-1.66	2.05	2	
9	-9	-7	1	40.07	40.33	-40.32	.60	.67126	-.26	-.63	0	
9	-9	-6	1	41.60	43.52	-43.50	1.01	.64241	-1.91	-4.62	1	
9	-9	-5	1	26.28	25.95	-25.95	-.11	.62260	.33	.77	181	
9	-9	-4	1	28.65	27.76	-27.76	.29	.61271	.89	2.21	179	
9	-9	-3	1	23.52	23.65	-23.64	.17	.61322	-.12	-.28	0	
9	-9	-2	1	49.04	49.65	-49.65	.90	.62402	-.62	-1.30	1	
9	-9	-1	1	18.51	18.15	-18.15	.02	.64482	.36	.63	179	
9	-8	0	1	31.21	30.55	-30.54	-.31	.67449	.67	1.55	181	
9	-8	-1	1	17.76	19.72	-19.70	-.92	.70077	-1.96	-3.15	183	
9	-8	-2	1	3.53	3.01	-3.01	-.00	.66369	.52	.21	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC
9	-8	-6	1	23.53	22.53	-22.51	-.98	.63462	1.00	2.23	183
9	-8	-5	1	11.26	9.94	-9.94	-.13	.61468	1.33	1.75	181
9	-8	-4	1	24.91	25.27	-25.25	-.91	.60479	-.36	-.85	183
9	-8	-3	1	5.01	1.68	1.68	-.15	.60542	3.32	2.07	355
9	-8	-2	1	13.13	13.83	-13.81	-.57	.51656	-.70	-1.03	183
9	-8	-1	1	11.73	11.04	-11.04	-.18	.63765	.68	.88	181
9	-8	0	1	28.06	28.23	-28.22	-.75	.66775	-.17	-.38	182
9	-7	-8	1	40.46	40.39	-40.38	-.95	.69443	.07	.16	182
9	-7	-7	1	9.23	9.66	-9.66	-.21	.65711	-.42	-.43	182
9	-7	-6	1	13.28	8.82	8.82	-.27	.62785	4.46	6.54	359
9	-7	-5	1	8.86	8.89	-8.89	-.22	.60781	-.03	-.03	182
9	-7	-4	1	3.31	3.22	-3.21	-.30	.59793	.08	.04	186
9	-7	-3	1	3.30	2.11	-2.11	-.04	.59870	1.19	.50	182
9	-7	-2	1	42.12	44.15	-44.14	-.48	.61009	-2.03	-4.80	182
9	-7	-1	1	10.41	11.56	-11.56	-.15	.63152	-1.15	-1.31	181
9	-7	0	1	27.63	26.71	26.70	.35	.66201	.92	2.03	0
9	-7	1	1	4.28	1.64	1.64	-.08	.70039	2.64	1.13	358
9	-6	-8	1	9.31	11.54	11.53	.59	.68904	-2.23	-2.07	2
9	-6	-7	1	10.43	9.40	8.44	.22	.65153	2.03	2.37	1
9	-6	-6	1	5.05	5.77	5.75	.51	.62213	-.73	-.45	5
9	-6	-5	1	3.24	1.81	-1.81	.13	.60203	1.42	.62	176
9	-6	-4	1	3.33	7.19	7.18	.37	.59218	-3.86	-1.62	2
9	-6	-3	1	6.45	5.44	5.44	.13	.59309	1.01	.83	1
9	-6	-2	1	11.36	9.47	9.47	.28	.60471	1.89	2.48	1
9	-6	-1	1	5.56	.87	.85	.18	.62644	4.69	3.01	12
9	-5	0	1	12.52	10.83	-10.82	-.16	.65728	1.70	2.21	181
9	-5	1	1	4.18	6.74	6.74	.19	.65603	-2.56	-1.09	181
9	-5	-8	1	8.26	5.22	-5.22	.10	.68464	3.04	2.70	178
9	-5	-7	1	24.54	23.16	-23.16	-.34	.64699	1.38	3.08	181
9	-5	-6	1	34.32	34.86	34.86	.38	.61750	-.54	-1.44	0
9	-5	-5	1	19.90	19.80	19.80	.18	.59737	.09	.20	0
9	-5	-4	1	23.07	24.93	24.93	.23	.58757	-1.85	-4.39	0
9	-5	-3	1	3.47	3.23	-3.23	.17	.58861	.23	.10	177
9	-5	-2	1	45.93	46.41	-46.40	-.93	.60044	-.48	-1.01	182
9	-5	-1	1	22.31	22.47	22.47	.19	.62245	-.16	-.35	0
9	-5	0	1	46.59	46.31	46.31	.43	.65360	.29	.61	0
9	-5	1	1	10.95	9.10	-9.09	-.18	.69266	1.85	2.00	182
9	-4	-8	1	3.56	3.89	-3.89	-.22	.68124	-.33	-1.13	184
9	-4	-7	1	4.29	.89	.87	-.16	.64351	3.41	1.75	350
9	-4	-6	1	3.45	4.74	4.74	.02	.61398	-1.29	-.55	0
9	-4	-5	1	3.28	1.71	-1.70	-.18	.59386	1.57	.67	186
9	-4	-4	1	15.46	16.94	16.94	.29	.58413	-1.48	-2.61	0
9	-4	-3	1	8.46	7.07	-7.07	-.21	.58530	1.39	1.52	182
9	-4	-2	1	7.35	4.53	-4.52	.24	.59733	2.82	2.59	176
9	-4	-1	1	27.24	27.07	27.06	.67	.65097	.17	.38	1
9	-3	0	1	3.75	5.91	-5.91	-.14	.69029	-2.16	-.81	182
9	-3	-7	1	11.14	9.44	-9.44	-.02	.67886	.23	.58	182
9	-3	-6	1	61.68	58.46	58.46	.71	.61158	1.70	2.12	181
9	-3	-5	1	26.95	27.70	-27.70	-.32	.59151	-1.75	-1.89	181
9	-3	-4	1	5.09	2.25	-2.21	.43	.58187	2.84	1.86	169
9	-3	-3	1	7.99	7.54	7.54	.11	.58316	.45	.45	0
9	-3	-2	1	3.29	.81	.76	.29	.59537	2.48	1.05	20
9	-3	-1	1	3.39	3.53	3.53	.05	.61780	-.14	-.06	0
9	-3	0	1	13.16	12.38	12.37	.49	.64941	.78	1.04	2
9	-3	1	1	5.93	8.09	-8.09	-.21	.68893	-2.16	-1.29	182

ANGLE  
STAT

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
9	-2	-8	1	15.222	15.32	-15.32	-.34	.67751	-.10	-.15	182	
9	-2	-7	1	5.78	2.35	2.34	.14	.63979	3.44	2.42	182	
9	-2	-6	1	13.57	15.96	-15.95	-.53	.61032	-2.39	-3.66	182	
9	-2	-5	1	5.59	7.05	-7.05	.09	.59034	-1.46	-1.05	179	
9	-2	-4	1	14.68	14.90	-14.88	-.68	.58081	-.23	-.40	183	
9	-2	-3	1	4.23	.71	.69	.18	.58225	3.52	1.98	14	
9	-2	-2	1	29.94	29.94	-29.92	-1.06	.59459	-.55	-1.40	183	
9	-2	-1	1	11.49	9.73	9.73	.17	.61717	1.76	2.35	1	
9	-2	0	1	22.04	23.30	-23.29	-.91	.64893	-1.26	-2.49	183	
9	-1	1	1	11.04	11.26	-11.26	-.05	.68859	-.22	-.24	181	
9	-1	-1	1	3.60	4.43	-4.40	-.59	.67718	-.83	-.32	188	
9	-1	-2	1	32.24	32.72	32.71	.55	.63957	-.48	-1.22	0	
9	-1	-3	1	18.44	16.73	-16.71	-.74	.61022	1.71	3.30	183	
9	-1	-4	1	17.39	16.79	-16.79	-.13	.59035	.60	1.19	181	
9	-1	-5	1	55.65	55.96	-55.94	-1.21	.58096	-.31	-.58	182	
9	-1	-6	1	10.26	9.87	9.87	.08	.58253	.39	.50	0	
9	-1	-7	1	13.84	13.18	13.18	-.25	.59499	.66	1.04	359	
9	-1	-8	1	21.97	21.64	-21.64	-.15	.61768	.33	.69	181	
9	-1	-9	1	38.36	38.52	-38.51	-.96	.64953	-.16	-.40	181	
9	-1	0	1	12.00	12.19	12.19	.02	.68926	-.18	-.21	182	
9	0	1	1	19.97	21.34	21.32	.77	.67790	-1.37	-2.51	0	
9	0	-1	1	5.33	5.29	5.28	-.10	.64045	.05	.03	359	
9	0	-2	1	40.30	40.43	40.42	1.08	.61126	-.13	-.33	1	
9	0	-3	1	12.31	10.58	-10.58	-.21	.59156	1.74	2.56	182	
9	0	-4	1	24.80	25.59	25.56	1.12	.58231	-.79	-1.94	2	
9	0	-5	1	9.07	11.56	11.56	.02	.58401	-2.50	-2.83	0	
9	0	-6	1	33.05	33.69	33.66	1.27	.59657	-.64	-1.74	2	
9	0	-7	1	4.42	2.99	2.99	-.06	.61932	1.44	.76	359	
9	0	-8	1	32.07	32.81	32.78	1.30	.65120	-.74	-1.77	2	
9	0	-9	1	3.70	2.01	2.00	-.14	.69095	1.69	.64	184	
9	1	-1	1	60.86	61.52	61.50	1.57	.67965	-.66	-1.13	1	
9	1	-2	1	8.30	9.82	-9.82	-.05	.64241	-1.52	-1.39	181	
9	1	-3	1	3.45	3.76	-3.67	.83	.61344	-.32	-.13	167	
9	1	-4	1	38.18	39.94	39.94	.41	.59394	-1.77	-4.22	0	
9	1	-5	1	6.12	4.37	4.29	.82	.58486	1.75	1.36	10	
9	1	-6	1	24.26	25.01	-25.01	-.30	.58668	-.76	-1.82	191	
9	1	-7	1	27.66	28.23	28.21	1.08	.59931	-.57	-1.41	2	
9	1	-8	1	24.23	24.46	-24.46	-.18	.62209	-.24	-.53	181	
9	1	-9	1	19.79	20.14	20.13	.58	.65395	-.35	-.62	1	
9	1	0	1	27.79	26.19	26.18	.47	.69365	1.60	3.49	1	
9	1	1	1	25.69	27.11	-27.09	-1.06	.68242	-1.42	-3.01	183	
9	1	2	1	3.41	4.63	-4.63	.05	.64546	-1.22	-.50	179	
9	1	3	1	37.69	38.35	-38.32	-1.28	.61675	-.66	-1.74	182	
9	1	4	1	3.28	1.04	-1.04	.07	.59749	2.24	.95	175	
9	1	5	1	42.35	43.31	-43.29	-1.51	.58859	-.96	-2.40	183	
9	1	6	1	3.29	.63	-.62	.09	.59053	2.66	1.13	171	
9	1	7	1	29.43	30.38	-30.35	-1.35	.60321	-.94	-2.45	183	
9	1	8	1	3.44	3.61	-3.61	.00	.62596	-.17	-.07	179	
9	1	9	1	37.58	38.27	-38.25	-1.40	.65775	-.69	-1.77	183	
9	2	0	1	3.73	5.39	-5.39	-.02	.69734	-1.66	-.62	181	
9	2	1	1	14.53	15.11	-15.07	-1.07	.68620	-.58	-.83	185	
9	2	2	1	37.11	36.95	-36.95	-.44	.64957	.16	.40	181	
9	2	3	1	65.43	66.03	-66.01	-1.64	.62118	-.60	-.94	182	
9	2	4	1	58.95	56.98	56.98	.70	.60218	1.97	3.68	0	
9	2	5	1	14.81	14.33	-14.31	-.88	.59349	.47	.79	184	
9	2	6	1	38.86	39.08	-39.07	-.44	.59554	-.21	-.55	181	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
9	3	-2	1	50.38	53.63	-53.62	-.98	.60823	-3.25	-6.35	182	
9	3	-1	1	19.02	20.60	-20.59	-.22	.63092	-1.57	-2.92	181	
9	3	0	1	42.50	40.46	40.46	-.06	.66259	2.05	4.49	0	
9	3	1	1	20.24	19.04	19.04	.32	.70202	1.20	2.06	0	
9	4	-8	1	35.39	36.89	36.87	1.27	.69097	-1.50	-3.65	0	
9	4	-7	1	3.88	1.52	-1.52	-.08	.65473	2.36	1.05	1	
9	4	-6	1	29.91	30.11	30.08	1.33	.62670	-.20	-.50	2	
9	4	-5	1	11.76	12.11	12.11	.06	.60800	-.35	-.47	0	
9	4	-4	1	32.77	33.12	33.09	1.36	.59951	-.35	-.96	2	
9	4	-3	1	10.21	8.52	-8.52	-.12	.60167	1.69	2.07	181	
9	4	-2	1	28.38	29.69	29.66	1.39	.61436	-1.31	-3.29	2	
9	4	-1	1	3.47	1.38	1.38	-.08	.63695	2.09	.84	357	
9	5	0	1	44.61	45.39	45.37	1.31	.66844	-1.78	-1.59	1	
9	5	-8	1	20.40	23.32	23.29	1.23	.69673	-2.92	-5.16	3	
9	5	-7	1	13.82	13.28	13.28	-.05	.66092	.35	.80	0	
9	5	-6	1	55.66	56.20	56.19	1.30	.63327	-.55	-1.07	1	
9	5	-5	1	10.44	8.78	-8.78	-.09	.61490	1.66	2.06	181	
9	5	-4	1	23.75	25.98	25.96	.96	.60663	-2.23	-5.07	2	
9	5	-3	1	12.69	13.17	13.17	.03	.60889	-.48	-.70	0	
9	5	-2	1	17.77	18.87	18.87	.54	.62155	-1.11	-2.08	0	
9	5	-1	1	4.41	.45	.45	.04	.64401	3.96	2.02	1	
9	5	0	1	7.84	7.66	7.65	.35	.67529	.18	.14	5	
9	6	-8	1	24.52	25.90	-25.87	-1.12	.70343	-1.38	-2.77	2	
9	6	-7	1	3.53	1.31	1.31	.03	.66809	2.22	.88	183	
9	6	-6	1	38.52	37.68	-37.66	-1.30	.64087	.83	2.26	182	
9	6	-5	1	5.94	3.63	3.63	.10	.62284	2.31	1.60	1	
9	6	-4	1	23.78	24.86	-24.83	-1.15	.61481	-1.08	-2.44	183	
9	6	-3	1	4.10	3.73	-3.73	-.01	.61716	.36	.18	181	
9	6	-2	1	18.64	19.99	-19.97	-.98	.62978	-1.36	-2.52	183	
9	6	-1	1	3.57	3.15	-3.15	.00	.65207	.41	.16	179	
9	6	0	1	16.32	16.90	-16.88	-.81	.68309	-.58	-.87	183	
9	7	-7	1	60.20	59.07	59.06	.78	.67623	1.13	2.16	0	
9	7	-6	1	34.77	33.61	-33.61	-.38	.64947	1.16	2.98	181	
9	7	-5	1	75.11	78.04	-78.04	-.80	.63180	-2.93	-4.63	181	
9	7	-4	1	36.88	38.96	-38.96	-.75	.62401	-2.08	-5.11	182	
9	7	-3	1	30.88	30.56	30.56	.32	.62644	.32	.80	0	
9	7	-2	1	3.42	1.43	-1.40	-.29	.63900	1.99	.82	192	
9	7	-1	1	14.41	14.53	14.53	.22	.66109	-.12	-.16	0	
9	7	0	1	24.25	26.38	-26.38	-.45	.69182	-2.13	-4.18	181	
9	8	-7	1	6.05	4.76	4.76	.02	.68529	1.29	.82	0	
9	8	-6	1	17.75	18.37	18.35	.83	.65902	-.63	-1.06	2	
9	8	-5	1	10.99	10.72	-10.72	-.12	.64173	.27	.32	181	
9	8	-4	1	14.53	13.76	13.74	.74	.63418	.78	1.19	3	
9	8	-3	1	4.34	2.26	2.26	-.07	.63669	2.08	1.06	359	
9	8	-2	1	14.00	14.75	14.74	.60	.64917	-.75	-1.09	2	
9	8	-1	1	5.36	3.41	-3.41	-.07	.67104	1.95	1.12	182	
9	9	0	1	3.78	4.35	4.34	.28	.70144	-.57	-.21	3	
9	9	-7	1	28.56	29.58	29.58	.36	.69525	-1.02	-2.24	0	
9	9	-6	1	23.46	23.22	23.21	.63	.66948	.24	.50	1	
9	9	-5	1	36.03	34.83	-34.83	-.50	.65259	1.20	3.01	181	
9	9	-4	1	33.70	34.20	34.20	.43	.64527	-.50	-1.29	0	
9	9	-3	1	4.84	4.18	4.18	-.01	.64786	.66	.37	0	
9	9	-2	1	33.89	33.62	-33.62	-.33	.66024	.26	.66	181	
9	9	-1	1	27.01	27.42	27.42	.31	.68187	-.41	-.89	0	
9	10	-6	1	10.85	10.98	-10.97	-.39	.68081	-.13	-.14	183	
9	10	-5	1	4.76	3.35	-3.35	.00	.66432	1.41	.76	179	

H	K	L	GRP	FD	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
9	10	-4	1	9.69	7.13	7.13	-.13	.65725	2.55	2.77	182	
9	10	-3	1	3.56	5.98	5.98	.11	.65991	-2.42	-.95	359	
9	10	-2	1	3.62	.39	.39	-.02	.67218	3.23	1.25	1	
9	10	-1	1	13.47	14.31	14.31	.23	.69355	-.84	-1.04	358	
9	11	-6	1	11.70	13.50	-13.50	-.14	.69296	-1.79	-2.06	0	
9	11	-5	1	17.62	17.01	17.01	.42	.67688	.61	1.03	181	
9	11	-4	1	3.85	4.13	4.13	.43	.67006	-.28	-.12	6	
9	11	-3	1	20.64	22.02	-22.02	-.23	.67278	-1.38	-2.56	181	
9	11	-2	1	18.52	20.29	-20.29	-.08	.68493	-1.77	-2.91	181	
9	12	-5	1	10.29	11.49	-11.49	-.19	.69024	-1.20	-1.26	181	
9	12	-4	1	10.53	11.22	-11.22	-.33	.68366	-.69	-.72	182	
9	12	-3	1	8.81	9.51	-9.51	-.15	.68644	-.71	-.65	181	
9	12	-2	1	21.71	22.52	-22.52	-.62	.59846	-.81	-1.47	182	
9	13	-5	1	29.51	29.93	-29.93	.41	.70433	-.43	-.93	0	
9	13	-4	1	32.65	32.75	-32.74	-.87	.69800	-.10	-.22	182	
9	13	-3	1	12.72	14.12	-14.12	-.12	.70083	-1.39	-1.66	181	
9	13	-2	1	21.30	20.99	20.99	.16	.70357	.31	.56	179	
10	-12	-4	1	9.48	11.52	-11.52	.00	.69824	-2.04	-1.86	0	
10	-12	-3	1	7.43	5.92	-5.92	-.12	.70209	1.51	1.13	182	
10	-11	-5	1	4.34	1.76	-1.74	.21	.69377	2.58	1.19	172	
10	-11	-4	1	21.39	22.11	-22.10	-.67	.68848	-.71	-1.30	182	
10	-11	-3	1	9.17	7.59	7.58	-.67	.69249	1.59	1.50	182	
10	-10	-6	1	24.49	24.55	-24.54	-.77	.69931	-.06	-.12	182	
10	-10	-5	1	53.06	54.85	54.84	.73	.68486	-1.79	-3.20	0	
10	-10	-4	1	3.63	1.09	-3.87	-.40	.67961	2.53	.98	339	
10	-10	-3	1	3.68	3.87	-3.87	-.17	.68378	-.20	-.08	183	
10	-10	-2	1	16.72	16.22	-16.21	-.47	.69720	.51	.79	182	
10	-9	-6	1	22.33	22.91	22.90	.85	.69137	-.58	-1.11	2	
10	-9	-5	1	6.85	6.57	6.57	-.13	.67687	.28	.20	359	
10	-9	-4	1	22.27	22.91	22.89	.94	.67167	-.64	-1.25	2	
10	-9	-3	1	4.29	2.69	-2.69	-.21	.67600	1.60	.74	185	
10	-9	-2	1	23.03	24.29	24.26	1.11	.68968	-1.26	-2.42	2	
10	-8	-6	1	10.83	10.22	10.20	.67	.68437	.61	.67	3	
10	-8	-5	1	15.36	14.46	14.46	.18	.66983	.91	1.40	0	
10	-8	-4	1	29.78	29.15	29.13	.82	.66470	.64	1.50	1	
10	-8	-3	1	6.00	8.22	8.22	.04	.66918	-2.21	-1.38	0	
10	-8	-2	1	7.12	8.64	8.63	.42	.68310	-1.52	-1.11	2	
10	-7	-7	1	3.69	2.76	-2.77	.42	.68310	-1.52	-1.11	2	
10	-7	-6	1	39.41	40.36	-40.34	.11	.70180	.91	.35	177	
10	-7	-5	1	14.87	13.71	13.71	.32	.66378	1.15	1.73	182	
10	-7	-4	1	27.78	29.50	-29.47	-1.29	.65871	-1.72	-3.91	183	
10	-7	-3	1	6.52	5.47	-5.47	.05	.66335	1.06	.77	179	
10	-7	-2	1	27.95	28.89	-28.86	-1.31	.67750	-.94	-2.04	183	
10	-7	-1	1	12.17	10.21	-10.21	-.05	.70059	1.96	2.34	181	
10	-6	-7	1	31.52	31.60	31.59	.56	.69681	-.08	-.18	1	
10	-6	-6	1	8.43	.79	-.45	-.65	.67329	7.63	7.05	236	
10	-6	-5	1	46.33	47.07	-47.06	.60	.65873	-.74	-1.68	236	
10	-6	-4	1	20.13	20.55	-20.53	-.71	.65374	-.42	-.78	181	
10	-6	-3	1	11.50	12.31	12.31	.11	.65853	-.81	-.94	182	
10	-6	-2	1	15.38	15.96	-15.95	.46	.67290	-.58	-.84	0	
10	-6	-1	1	6.94	4.31	4.31	.05	.69625	2.63	1.85	182	
10	-5	-7	1	7.09	2.86	2.86	-.07	.69280	4.23	3.27	0	
10	-5	-6	1	30.55	31.66	31.63	1.32	.66925	-1.10	-2.60	359	
10	-5	-5	1	5.77	5.39	5.39	-.05	.65472	.38	.25	2	
10	-5	-4	1	37.42	38.52	38.49	1.41	.64981	-1.10	-2.63	0	
10	-5	-3	1	4.39	3.65	-3.65	-.08	.65475	.74	.37	2	



H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
10	-5	-2	1	33.20	33.84	33.81	1.39	.66931	-.64	-1.56	182	
10	-5	-1	1	4.80	.70	.69	-.04	.69289	4.10	2.08	2	
10	-4	-7	1	34.91	36.10	36.10	.58	.68978	-1.20	-2.94	357	
10	-4	-6	1	25.86	27.01	26.99	1.01	.66624	-1.15	-2.48	0	
10	-4	-5	1	44.14	42.96	-42.96	-.45	.65176	1.18	2.66	2	
10	-4	-4	1	44.46	45.21	45.20	.94	.64695	-.76	-1.73	181	
10	-4	-3	1	15.35	17.16	17.16	.15	.65202	-1.81	-2.75	1	
10	-4	-2	1	18.17	15.16	-15.16	.23	.66676	3.01	5.04	0	
10	-4	-1	1	18.22	18.59	18.59	.38	.69053	-.37	-.60	179	
10	-3	-7	1	6.72	5.20	5.20	.14	.68777	1.52	1.06	1	
10	-3	-6	1	36.73	37.65	-37.62	-1.32	.66427	-.91	-2.22	183	
10	-3	-5	1	9.56	9.69	-9.69	-.09	.64986	-.13	-.14	181	
10	-3	-4	1	23.34	24.25	-24.22	-1.22	.64516	-.91	-1.91	183	
10	-3	-3	1	6.58	6.40	-6.40	-.04	.65036	.18	.14	181	
10	-3	-2	1	24.78	25.98	-25.96	-1.05	.66525	-1.20	-2.46	183	
10	-3	-1	1	8.59	8.38	8.38	.06	.68919	.21	.18	0	
10	-2	-7	1	11.52	12.64	-12.63	-.27	.68678	-1.11	-1.29	182	
10	-2	-6	1	17.88	18.04	-18.02	-.85	.66336	-.17	-.30	183	
10	-2	-5	1	6.01	1.52	-1.51	.13	.64904	4.49	3.10	174	
10	-2	-4	1	6.00	1.57	-1.57	-.15	.64445	4.43	3.07	186	
10	-2	-3	1	3.48	.37	-.29	-.23	.64978	3.10	1.25	219	
10	-2	-2	1	31.19	32.43	-32.43	-.65	.66479	-1.25	-2.93	182	
10	-2	-1	1	9.14	9.62	-9.62	-.02	.68886	-.48	-.44	181	
10	-1	-7	1	7.38	8.36	8.36	.09	.68681	-.97	-.76	0	
10	-1	-6	1	28.63	28.71	28.69	1.05	.66350	-.08	-.18	2	
10	-1	-5	1	8.11	7.66	-7.66	-.03	.64931	.45	.41	2	
10	-1	-4	1	23.36	24.00	23.98	.96	.64483	-.64	-1.36	181	
10	-1	-3	1	3.53	3.14	3.14	.01	.65027	.38	.15	2	
10	-1	-2	1	6.38	3.61	3.56	.58	.66539	2.78	1.90	9	
10	-1	-1	1	11.36	9.47	9.47	.19	.68954	1.88	2.11	1	
10	0	-7	1	30.13	29.54	-29.54	-.56	.68786	.59	1.33	182	
10	0	-6	1	21.84	21.90	21.90	.42	.66470	-.07	-.13	1	
10	0	-5	1	46.58	47.39	47.39	.57	.65065	-.81	-1.65	0	
10	0	-4	1	20.11	21.26	21.26	.22	.64630	-1.15	-2.21	0	
10	0	-3	1	4.93	5.02	5.02	.07	.65184	-.09	-.05	0	
10	0	-2	1	9.23	8.59	-8.59	-.07	.66704	.64	.59	0	
10	0	-1	1	16.39	16.07	-16.07	-.20	.69124	.32	.49	181	
10	1	-7	1	6.55	.12	-.08	-.08	.68992	.32	.49	181	
10	1	-6	1	12.05	13.40	-13.39	-.56	.66695	6.43	4.49	226	
10	1	-5	1	6.11	3.91	-3.91	-.06	.65306	-1.36	-1.67	183	
10	1	-4	1	3.50	.59	-.52	-.28	.65884	2.21	1.51	181	
10	1	-3	1	3.51	3.42	3.42	-.06	.65448	2.91	1.16	209	
10	1	-2	1	10.11	10.40	-10.39	-.30	.66973	.09	.03	0	
10	1	-1	1	3.68	.64	.64	.02	.69395	-.29	-.29	182	
10	2	-7	1	12.62	13.04	-13.04	-.20	.69299	3.04	1.16	182	
10	2	-6	1	17.63	17.07	17.07	.27	.67024	-.42	-.52	181	
10	2	-5	1	13.64	10.99	10.99	.02	.65653	.56	.93	0	
10	2	-4	1	36.40	36.68	-36.68	-.50	.65246	2.65	3.79	0	
10	2	-3	1	11.79	9.45	9.44	.30	.65818	-.29	-.71	181	
10	2	-2	1	42.30	41.12	41.11	.66	.67346	2.34	2.94	1	
10	2	-1	1	23.58	24.03	-24.02	-.45	.69766	1.19	2.97	0	
10	3	-5	1	3.55	.99	.99	-.05	.66105	-.45	-.87	182	
10	3	-4	1	10.08	10.18	-10.18	-.27	.65712	2.57	1.01	2	
10	3	-3	1	3.55	2.29	-2.29	.09	.66292	-.10	-.11	182	
10	3	-2	1	16.70	15.70	-15.70	-.43	.67820	.99	1.54	177	
10	3	-1	1	3.72	1.48	-1.48	-.04	.70234	2.24	.84	182	

H	K	L	GRP	FD	FC	A	B	SIN <sup>2</sup> /LM	DF	W*DF	ANGLE CALC	ANGLE STAT
10	4	-7	1	25.10	26.81	26.81	.31	.70209	-1.71	-3.42	182	0
10	4	-6	1	28.48	28.02	28.02	-.03	.67987	.46	1.03	0	0
10	4	-5	1	16.36	14.87	-14.87	-.16	.66659	1.49	2.40	181	1
10	4	-4	1	30.75	29.16	-29.16	-.73	.66280	1.59	3.80	182	0
10	4	-3	1	15.53	17.20	17.20	.26	.66867	-1.67	-2.43	0	0
10	4	-2	1	3.73	.28	-.18	-.22	.68393	3.45	1.35	230	0
10	5	-6	1	17.37	19.29	19.28	.62	.68617	-1.92	-3.05	1	0
10	5	-5	1	6.79	5.97	5.97	-.01	.67313	.83	.61	0	0
10	5	-4	1	14.36	14.31	14.29	.62	.66949	.05	.07	2	0
10	5	-3	1	4.67	1.06	1.06	.06	.67541	.37	1.81	3	0
10	5	-2	1	33.25	33.62	33.61	.99	.69063	-.37	-.88	1	0
10	6	-6	1	17.09	16.51	-16.51	.37	.69342	.58	.92	178	1
10	6	-5	1	3.62	1.35	1.34	.11	.68063	2.28	.88	4	0
10	6	-4	1	47.32	47.35	47.34	1.13	.67715	-.03	-.06	1	0
10	6	-3	1	10.55	8.47	-8.46	-.26	.68311	2.08	2.25	182	1
10	6	-2	1	23.67	24.29	-24.29	.13	.69827	-.61	-1.17	179	0
10	7	-6	1	18.07	20.35	-20.33	-.98	.70160	-2.28	-3.62	183	0
10	7	-5	1	3.61	2.95	-2.95	.05	.68907	.66	.25	179	0
10	7	-4	1	40.28	40.79	-40.77	-1.26	.68574	-.51	-1.26	182	0
10	7	-3	1	3.68	5.27	-5.27	-.01	.69174	-1.59	-.61	181	0
10	8	-5	1	20.43	19.40	19.40	.27	.69842	1.03	1.85	0	0
10	8	-4	1	22.55	21.29	21.29	-.14	.69524	1.26	2.39	0	0
10	8	-3	1	25.99	25.10	-25.09	-.47	.70126	.89	1.88	182	0

REFLECTION STATISTICS

NUMBER OF ATOMS IN THE ASYMMETRIC UNIT  
 NUMBER OF REFLECTIONS  
 NUMBER OF OBSERVED REFLECTIONS  
 NUMBER OF LESS-THAN REFLECTIONS  
 NUMBER OF REFLECTIONS IGNORED  
 REFLECTIONS WHERE FD/FC LIES OUTSIDE THE 0.1 TO 10.0 RANGE  
 OVERALL LINEAR SCALING RATIO  
 SLOPE OF LN(FD/FC) VS (SIN(THETA)/LAMBDA)\*\*2

SCALE GROUP      NUMBER OF REFLECTIONS      OLD F(RELATIVE) SCALE FACTORS      NEW F(RELATIVE) SCALE FACTORS      R-VALUES

1      5343      .3015      .3030      .05332

\*\*\*\*\*  
 \* R(OVERALL) = .05332 \*  
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PREDICTED R VALUE OF .05223 IF OVERALL LEAST SQUARES SCALE OF .30387 WERE TO BE APPLIED.

FC COMPLETED

INTERCHANGED NFILEA = 8 NFILEB = 9.  
 INTERCHANGED NFILEA = 8 NFILEB = 9.

TIME ELAPSED TIME DATE  
 2.21 MIN 2.10 MIN 01/06/78

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*****STORE REQUIREMENTS IN WORDS*****
CURRENT PROGRAM LOADAT 2000
PREVIOUS PROGRAM LOADAT 510
CURRENT SIZE OF DATA ARRAY 510
REQUIRED SIZE OF DATA ARRAY 510
MAXIMUM SIZE OF DATA ARRAY SD FAR 510
TOTAL CORE CURRENTLY AVAILABLE 047600
LARGEST AMOUNT CORE USED SD FAR 051444
**FINISH X-RAY RUN**FINISH X-RAY RUN**FINISH X-RAY RUN**FINISH X-RAY RUN**FINISH X-RAY RUN*

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