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Agrellite, $Na(Ca,RE)_2Si_4O_{10}F$: a layer structure with silicate tubes

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Abstract

Agrellite, $Na(Ca,RE)_2Si_4O_{10}F$, from the regionally metamorphosed agpaitic peralkaline rocks in Villedieu Township, Québec, is triclinic, space group $P\bar{1}$, with cell dimensions: a = 7.759(2), b = 18.946(3), c = 6.986(1)A, α = 89.88(2), β = 116.65(2), γ = 94.32(2)°; Z = 4. The crystal structure was determined by the symbolic addition method and refined by the method of least squares to an R factor of 0.045, based on 5343 reflections measured on an automatic single-crystal diffractometer. The average standard deviations in Na–O, Ca–O, and Si–O bond lengths are 0.004, 0.003, and 0.003A respectively.

Due to the presence of pseudo-C-center, the sodium polyhedra and the silicate tetrahedra occur in pairs, whose configurations are nearly identical. The crystal structure of agrellite consists of two different NaO_8 polyhedra which are distorted cubes, two each of CaO_5F octahedra and CaO_6F_2 polyhedra, and two different $[Si_4O_{20}]$ double chains. These double chains are hollow tubes, formed by the polymerization of two vlasovite-type $[Si_4O_{11}]$ single chains, consisting of corner-sharing four-membered rings. The silicate tubes, whose diameter is defined by a basket-shaped six-membered ring, run parallel to the c axis and are hexagonally close-packed in the (001) plane. The sodium atoms occurring in cavities cross-link these tubes to form sodium silicate layers parallel to the (010) plane; these layers alternate with the calcium polyhedral layers along the b axis to form a three-dimensional framework. The average Si–O bond length is 1.619A; the non-bridging Si–O bond lengths (av. 1.579A) are significantly shorter than the bridging ones (av. 1.632A). The average Na–O bond length within the NaO_8 polyhedra is 2.667A. Within the CaO_5F octahedra and CaO_6F_2 polyhedra the average Ca–O bond lengths are 2.374 and 2.595A, and the average Ca–F bond lengths are 2.197 and 2.430A, respectively. Along with narsarsukite, fenaksite, litidionite, canasite, and miserite, agrellite belongs to a distinct class of silicates, whose structures consist of silicate tubes.

Introduction

Agrellite is a recently described rock-forming silicate with the chemical composition: $(Na_{4.06}K_{0.01})(Ca_{7.30}RE_{0.47})(Mn,Fe,Sr,Ba,Mg,Sr)_{0.14}(Si_{15.91}Al_{0.09})O_{39.70}(F_{3.73}OH_{0.71})$. It is found in agpaitic peralkaline rocks of the Kipawa Complex, Villedieu Township, Témiscaming County, Québec, Canada (Gittins *et al.*, 1976). It occurs as prismatic white triclinic crystals (up to 10 cm long) in pegmatitic lenses and gneisses composed principally of albite, microcline, aegirine–augite, alkali amphibole, with or without eudialyte and nepheline, and sometimes hiortdahlite and other members of the wöhlerite group, mosandrite, britholite, miserite, vlasovite, calcite, fluorite, clinohumite, norbergite, zircon, biotite, phlogopite, galena, and an unnamed mineral ($CaZrSi_2O_7$). Gittins *et al.* (1976) have determined the chemical composition and crystallographic and optical properties of agrellite. For the purposes of the crystal-structure determination, the chemical composition of agrellite has been simplified to $Na(Ca_{1.905}RE_{0.095})Si_4O_{10}F$. The crystal structure of agrellite has been briefly reported by Ghose and Wan (1978a).

Crystal data

A small cleavage fragment of agrellite was ground to a sphere with a diameter of 0.25 mm (Bond, 1951), which was mounted on the computer-controlled single-crystal X-ray diffractometer (Syntex $P\bar{1}$). The unit-cell dimensions were determined by least-squares refinement of the 2θ values (between 30 and 40°) measured from 15 reflections, using mono-

0003–004X/79/0506–0563$02.00

CORRECTED SCALE FACTOR(S)

	NEW	OLD
1	.30159	1.00000

CURRENT EXTINCTION CORRECTION 0.

GRID SPECIFICATION-- X IN 19THS, Y IN 57THS, Z IN 21STS.

H	K	L	ST/L MIN	MAX
16	30	15	0.000	.985

40 ATOMS LOADED FROM CARDS SUCCESSFULLY.

ATOM		X	Y	Z	POPP	MULT	POSIT	U
CA	1A	-.0020	.2155	-.0038	.9296	1.0000	GENL	
SM	1A	-.0020	.2155	-.0038	.1465	1.0000	GENL	
CA	1B	.0016	.7617	.5002	.9778	1.0000	GENL	
SM	1B	.0016	.7617	.5002	.0222	1.0000	GENL	
CA	2A	.4552	.7201	.4801	.9934	1.0000	GENL	
SM	2A	.4552	.7201	.4801	.0066	1.0000	GENL	
CA	2B	.5418	.2846	.0197	.9854	1.0000	GENL	
SM	2B	.5418	.2846	.0197	.0146	1.0000	GENL	
NA	A	.2354	-.0090	.8679	1.0000	1.0000	GENL	
NA	B	.2610	.5023	.1358	1.0000	1.0000	GENL	
SI	1A	.2087	.9310	.3557	1.0000	1.0000	GENL	
SI	1B	.3074	.5681	.6554	1.0000	1.0000	GENL	
SI	2A	.4857	.8780	.2138	1.0000	1.0000	GENL	
SI	2B	.0246	.6193	.7940	1.0000	1.0000	GENL	
SI	3A	.1671	.0900	.3339	1.0000	1.0000	GENL	
SI	3B	.6740	.5902	.3411	1.0000	1.0000	GENL	
SI	4A	.4862	.8777	.7735	1.0000	1.0000	GENL	
SI	4B	.0214	.6197	.2343	1.0000	1.0000	GENL	
F	A	-.2393	.7610	.1268	1.0000	1.0000	GENL	
F	B	.2353	.2451	.3595	1.0000	1.0000	GENL	
O	1A	.3493	.9351	.6138	1.0000	1.0000	GENL	
O	1B	.1641	.5640	.3974	1.0000	1.0000	GENL	
O	2A	.1028	.0048	.3023	1.0000	1.0000	GENL	
O	2B	.5891	.5065	.2960	1.0000	1.0000	GENL	
O	3A	.3483	.9352	.2356	1.0000	1.0000	GENL	
O	3B	.1722	.5640	.7804	1.0000	1.0000	GENL	
O	4A	.0620	.8634	.2822	1.0000	1.0000	GENL	
O	4B	.4543	.6356	.7256	1.0000	1.0000	GENL	
O	5A	.3938	.7990	.1901	1.0000	1.0000	GENL	
O	5B	.1102	.6991	.8169	1.0000	1.0000	GENL	
O	6A	.5130	.9064	.0072	1.0000	1.0000	GENL	
O	6B	-.0042	.5913	.0012	1.0000	1.0000	GENL	
O	7A	.7013	.8924	.4117	1.0000	1.0000	GENL	
O	7B	.8136	.6001	.5964	1.0000	1.0000	GENL	
O	8A	-.0257	.1295	.2368	1.0000	1.0000	GENL	
O	8B	.4984	.6382	.2562	1.0000	1.0000	GENL	

U11	U22	U33	U12	U13	U23
.0166	.0093	.0090	-.0000	.0072	.0025
.0166	.0093	.0090	-.0000	.0072	.0025
.0194	.0101	.0124	.0014	.0108	.0027
.0194	.0101	.0124	.0014	.0108	.0027
.0133	.0085	.0089	.0001	.0071	.0021
.0133	.0085	.0089	.0001	.0071	.0021
.0142	.0076	.0083	.0003	.0066	.0018
.0142	.0076	.0083	.0003	.0066	.0018
.0151	.0287	.0286	.0005	.0080	.0029
.0139	.0370	.0331	-.0004	.0074	.0040
.0106	.0069	.0076	.0000	.0051	.0027
.0105	.0070	.0083	.0012	.0054	.0028
.0100	.0082	.0063	-.0001	.0056	.0020
.0093	.0078	.0074	-.0000	.0047	.0019
.0092	.0077	.0074	.0005	.0048	.0023
.0087	.0070	.0085	.0006	.0046	.0021
.0107	.0075	.0063	-.0004	.0055	.0021
.0094	.0081	.0067	.0002	.0050	.0023
.0170	.0243	.0423	-.0002	.0117	.0082
.0180	.0223	.0356	-.0003	.0069	.0003
.0167	.0118	.0079	.0008	.0032	.0030
.0170	.0111	.0085	.0035	.0029	.0038
.0143	.0077	.0122	.0019	.0076	.0029
.0107	.0066	.0148	.0013	.0058	.0027
.0182	.0115	.0153	.0024	.0135	.0024
.0155	.0124	.0176	.0038	.0131	.0028
.0163	.0109	.0141	-.0014	.0096	.0012
.0136	.0099	.0107	-.0012	.0065	.0019
.0192	.0088	.0078	-.0028	.0090	.0003
.0126	.0091	.0176	.0000	.0058	.0034
.0177	.0105	.0074	-.0015	.0082	.0021
.0172	.0161	.0091	-.0005	.0084	.0003
.0140	.0210	.0107	-.0008	.0033	-.0011
.0143	.0179	.0096	.0006	.0020	-.0008
.0115	.0113	.0130	.0045	.0060	.0061
.0133	.0113	.0103	.0053	.0048	.0042

ATOM		X	Y	Z	POPP	MULT	POSIT	U	U11	U22	U33	U12	U13	U23
O	9A	.7019	.8922	.7911	1.0000	1.0000	GENL		.0153	.0215	.0147	.0004	.0108	.0045
O	9B	.8079	.6032	.2180	1.0000	1.0000	GENL		.0136	.0178	.0203	.0005	.0123	.0062
O	0A	.3947	.7986	.7067	1.0000	1.0000	GENL		.0193	.0077	.0120	.0002	.0092	.0012
O	0B	.1062	.6993	.2962	1.0000	1.0000	GENL		.0128	.0080	.0143	-.0024	.0060	.0012

LOGICAL RECORD 10, UPDATED.

DENSITY AND CHEMICAL ANALYSIS OMITTED FOR LACK OF ATOMIC WEIGHTS

LOGICAL RECORD 11, UPDATED.

LOGICAL RECORD 12, WRITTEN.

40 ATOMS LOADED.

***HYPER-PHYSICAL RECORD IN WHICH LOGICAL RECORDS BEGIN

LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY	LOG	HYPY
1	1	2	1	3	1	4	1	5	1	6	2	7	3	8	3	9	3	10	3	11	5
12	7	13	7	14	7	15	7	16	541	17	541	18	541	19	541	20	541	21	541	22	541
23	541	24	541	25	541																

INTERCHANGED NFILEA = 9 NFILEB = 8.

**********STORE REQUIREMENTS IN WORDS**********

CURRENT PROGRAM FC	PREVIOUS PROGRAM LOADAT	CURRENT SIZE OF DATA ARRAY 2000	REQUIRED SIZE OF DATA ARRAY 312	MAXIMUM SIZE OF DATA ARRAY SO FAR 312	TOTAL CORE CURRENTLY AVAILABLE 047600	LARGEST AMOUNT CORE USED SO FAR 051444

TIME	ELAPSED TIME	DATE
.11 MIN	.09 MIN	01/06/78

FC CARD INPUT

TEMPERATURE FACTOR TYPE	LIST REFLECTIONS	DISPERSION CORRECTION	REFLECTION SURVEY	PARTIAL CONTRIBUTION	DIFFRACTION TYPE	UPDATE SCALE FACTORS
MIXD	YES	YES	NO	NO	XRAY	NO

INPUT BINARY DATA FILE IS FOR AGRELL. IT HAS BEEN UPDATED 2 TIMES.
THE FILE IS LABELED - (NO FILE LABEL)
THE PROGRAMS WHICH HAVE UPDATED AND/OR COPIED THIS FILE ARE..
DATRDN LOADAT

ISOTROPIC EXTINCTION CORRECTION 0.

SIN(THETA)/LAMBDA RANGE 0.000 .985

MAXIMUM H K L 16 38 15

SCALE FACTORS
1 .30159

INDIVIDUAL ATOM PARAMETERS **** THERMAL VALUES LISTED ARE MULTIPLIED BY 100****

ATOM		X	Y	Z	POP. PAR.	MULT.	U OR U11	U22	U33	U12	U13	U23
CA	1A	-.002040	.215540	-.003800	.929600	1.000	1.65501	.93000	.89900	-.00200	.71700	.24700
SM	1A	-.002040	.215540	-.003800	.146500	1.000	1.65501	.93000	.89900	-.00200	.71700	.24700
CA	1B	.001550	.781660	.500220	.977800	1.000	1.93901	1.01100	1.23600	.14400	1.08000	.26600
SM	1B	.001550	.781660	.500220	.022200	1.000	1.93901	1.01100	1.23600	.14400	1.08000	.26600
CA	2A	.455210	.720070	.480100	.993400	1.000	1.32601	.84800	.89400	.00700	.71000	.21300
SM	2A	.455210	.720070	.480100	.006600	1.000	1.32601	.84800	.89400	.00700	.71000	.21300
CA	2B	.541760	.284610	.019660	.985400	1.000	1.42201	.75700	.83200	.02900	.66400	.17700
SM	2B	.541760	.284610	.019660	.014600	1.000	1.42201	.75700	.83200	.02900	.66400	.17700
NA	A	.235390	-.008980	.867940	1.000000	1.000	1.51001	2.86901	2.86101	.04500	.80000	.26700
NA	B	.261040	.502340	.135760	1.000000	1.000	1.39201	3.69801	3.31301	-.03500	.74300	.39800
SI	1A	.208700	.931030	.355690	1.000000	1.000	1.05800	.68600	.75600	.07800	.50700	.26800
SI	1B	.307390	.568070	.655420	1.000000	1.000	1.05100	.69700	.82700	.11700	.54200	.27800
SI	2A	.485730	.877950	.213770	1.000000	1.000	1.08200	.82400	.62600	-.00800	.56400	.20300
SI	2B	.024600	.619330	.793970	1.000000	1.000	.93000	.78100	.73600	-.00300	.46500	.18500
SI	3A	.167050	.089980	.333940	1.000000	1.000	.92300	.77100	.73800	.05300	.48200	.23300
SI	3B	.674040	.590220	.341090	1.000000	1.000	.87400	.70400	.85200	.06100	.45500	.21200
SI	4A	.486190	.877710	.773470	1.000000	1.000	1.07000	.75400	.68400	-.04100	.54800	.20700
SI	4B	.021390	.619740	.234300	1.000000	1.000	.94300	.80600	.67400	.01900	.50000	.22800
F	A	-.239310	.761030	.126800	1.000000	1.000	1.69701	2.43101	4.23002	-.01600	1.17400	.82000
F	B	.235320	.245100	.359470	1.000000	1.000	1.80401	2.22601	3.55601	-.02600	.68700	.02500
O	1A	.349290	.935100	.613820	1.000000	1.000	1.66701	1.17500	.79100	.07800	.32400	.29500
O	1B	.164140	.563950	.397440	1.000000	1.000	1.70201	1.11300	.84800	.34700	.28500	.37800
O	2A	.102770	.004840	.302260	1.000000	1.000	1.43101	.77400	1.21600	.19400	.75800	.29400
O	2B	.589140	.506540	.295980	1.000000	1.000	1.06900	.65900	1.48001	.13100	.58200	.26500
O	3A	.348330	.935170	.235580	1.000000	1.000	1.82101	1.15300	1.53401	.23700	1.34601	.23700
O	3B	.172150	.563970	.780410	1.000000	1.000	1.55401	1.23900	1.76401	.38000	1.30601	.27600
O	4A	.062030	.863380	.282190	1.000000	1.000	1.63301	1.08700	1.40801	-.13600	.95700	.11500
O	4B	.454340	.635550	.725610	1.000000	1.000	1.36101	.98500	1.06500	-.12200	.64500	.18700
O	5A	.393790	.799040	.190070	1.000000	1.000	1.92401	.87500	.78200	-.27900	.89600	.02600
O	5B	.110240	.699090	.816910	1.000000	1.000	1.25900	.91000	1.76201	.00200	.57500	.33900
O	6A	.513000	.906390	.007240	1.000000	1.000	1.77101	1.04700	.73700	-.14600	.82000	.21400
O	6B	-.004180	.591320	.001230	1.000000	1.000	1.72001	1.60901	.90900	-.05300	.84000	.02900
O	7A	.701250	.892370	.411740	1.000000	1.000	1.39601	2.09701	1.07200	-.08200	.32600	-.11000
O	7B	.813640	.600110	.596410	1.000000	1.000	1.42901	1.79001	.96100	.05900	.20000	-.08100
O	8A	-.025050	.129490	.236760	1.000000	1.000	1.14500	1.13300	1.29701	.44900	.60000	.61200
O	8B	.490390	.638210	.256200	1.000000	1.000	1.32101	1.13200	1.03100	.52500	.47900	.41900
O	9A	.701900	.892290	.791100	1.000000	1.000	1.53301	2.15301	1.47301	.04200	1.07900	.44600
O	9B	.807900	.603210	.218040	1.000000	1.000	1.36401	1.77901	2.03001	.04900	1.22800	.61600
O	OA	.394740	.798600	.706690	1.000000	1.000	1.92901	.76900	1.19500	.02300	.92200	.12400
O	OB	.108160	.699320	.296160	1.000000	1.000	1.27601	.80300	1.42601	-.23800	.59800	.11900

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
0	0	1	1		17.71	17.29	-17.29	-.19	.08013	.42	1.94	181	
0	0	2	1		113.21	93.22	-93.21	1.60	.16025	19.99	45.40	179	
0	0	3	1		53.27	50.98	50.98	.19	.24038	2.29	5.57	0	
0	0	4	1		112.27	101.19	101.17	2.17	.32050	11.08	17.00	1	
0	0	5	1		55.55	57.14	57.14	.31	.40063	-1.59	-2.79	0	
0	0	6	1		77.90	71.39	71.36	2.06	.48075	6.51	10.56	1	
0	0	7	1		41.41	37.73	-37.72	-.68	.56088	3.69	9.55	182	
0	0	8	1		49.80	48.58	48.56	1.48	.64100	1.22	2.52	1	
0	1	-8	1		17.58	16.56	16.54	.80	.64061	1.02	1.78	2	
0	1	-7	1	L	4.54	1.44	1.44	-.02	.56056	3.11	2.02	0	
0	1	-6	1		27.86	25.10	25.09	.69	.48054	2.76	8.33	1	
0	1	-5	1		5.74	7.85	-7.85	-.09	.40056	-2.11	-2.37	181	
0	1	-4	1		22.41	17.32	17.31	.52	.32065	5.09	19.41	1	
0	1	-3	1		4.43	3.31	-3.31	-.07	.24089	1.12	1.66	182	
0	1	-2	1		6.59	.95	-.91	.28	.16149	5.44	13.47	162	
0	1	-1	1		4.82	1.83	1.83	-.03	.08349	2.99	8.92	0	
0	1	0	1	L	.66	3.26	3.26	-.01	.02648	-2.60	-5.49	0	
0	1	1	1		3.50	1.75	1.75	-.00	.08528	1.75	3.84	0	
0	1	2	1		6.99	8.76	8.75	-.26	.16336	-1.77	-4.62	359	
0	1	3	1		5.19	5.79	5.79	.03	.24277	-.60	-.97	0	
0	1	4	1		18.21	15.04	-15.03	-.48	.32254	3.17	10.84	182	
0	1	5	1		12.22	13.39	13.39	.12	.40245	-1.17	-2.47	0	
0	1	6	1		22.32	21.06	-21.05	-.64	.48243	1.26	3.40	182	
0	1	7	1		8.80	7.24	-7.24	-.03	.56245	1.56	1.80	181	
0	1	8	1	L	7.28	8.56	-8.54	-.60	.64250	-1.28	-1.01	185	
0	2	-8	1		42.15	40.94	-40.90	-1.64	.64130	1.22	2.76	183	
0	2	-7	1		29.46	28.72	-28.72	-.34	.56149	.76	2.13	181	
0	2	-6	1		60.91	58.26	-58.23	-1.95	.48178	2.65	4.18	182	
0	2	-5	1		9.58	7.52	7.52	.06	.40223	2.06	3.64	0	
0	2	-4	1		99.79	92.08	-92.05	-2.32	.32298	7.71	11.78	182	
0	2	-3	1		4.51	2.10	-2.10	.12	.24429	2.41	3.53	176	
0	2	-2	1		160.03	151.31	-151.29	-2.60	.16697	8.72	19.53	181	
0	2	-1	1		12.81	12.14	-12.14	-.01	.09446	.67	3.43	181	
0	2	0	1		38.83	39.20	-39.16	-1.89	.05297	-.37	-1.42	183	
0	2	1	1		39.42	44.65	-44.65	-.11	.09762	-5.23	-14.09	181	
0	2	2	1		101.14	107.81	-107.79	-2.14	.17057	-6.68	-14.56	182	
0	2	3	1		55.03	53.48	53.48	.41	.24798	1.55	3.74	0	
0	2	4	1		118.70	122.58	-122.56	-2.16	.32071	-3.89	-5.91	182	
0	2	6	1		15.82	17.91	-17.88	-.98	.48554	-2.09	-4.56	184	
0	2	7	1	L	4.24	2.48	-2.48	-.02	.56526	1.76	1.05	181	
0	2	8	1	L	5.90	6.15	-6.10	-.81	.64507	-.25	-.16	188	
0	3	-8	1		21.86	20.68	-20.67	-.80	.64309	1.18	2.43	183	
0	3	-7	1		14.23	13.50	13.50	.25	.56366	.73	1.30	1	
0	3	-6	1		30.20	28.49	-28.46	-.75	.48447	1.71	5.34	182	
0	3	-5	1		14.36	15.16	-15.16	.03	.40564	-.81	-1.97	179	
0	3	-4	1		30.39	29.99	-29.99	-.51	.32744	.40	1.21	181	
0	3	-3	1		5.25	2.82	2.82	.06	.25046	2.44	4.10	1	
0	3	-2	1		21.17	18.19	18.19	-.14	.17630	2.98	11.77	0	
0	3	-1	1	L	2.99	2.42	-2.42	.06	.11080	.58	.89	178	
0	3	0	1		15.38	17.38	-17.38	-.01	.07945	-2.00	-8.73	181	
0	3	1	1		8.01	11.37	-11.37	.00	.11404	-3.36	-12.25	179	
0	3	2	1		26.00	29.34	-29.34	.17	.18139	-3.34	-11.30	179	
0	3	3	1		4.96	2.44	2.44	.02	.25585	2.52	3.76	0	
0	3	4	1		14.56	12.35	12.35	.35	.33295	2.21	6.36	1	
0	3	5	1	L	3.37	3.71	-3.71	-.03	.41121	-.34	-.22	181	
0	3	6	1		11.91	10.62	10.61	.47	.49807	1.29	2.26	2	

H	K	L	CRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
0	3	7	1		9.71	11.21	-11.21	-.17	.56928	-1.51	-1.88	181	
0	3	8	1		12.72	13.73	13.72	.44	.64872	-1.00	-1.28	1	
0	4	-8	1		39.78	38.58	38.54	1.69	.64595	1.20	2.65	2	
0	4	-7	1		60.48	58.69	58.69	.68	.56706	1.79	3.09	0	
0	4	-6	1		79.73	77.73	77.71	1.84	.48858	1.99	2.24	1	
0	4	-5	1		77.58	73.23	-73.23	-.38	.41072	4.35	5.64	181	
0	4	-4	1		28.71	25.54	-25.49	1.56	.33394	3.18	10.32	176	
0	4	-3	1		9.20	8.74	8.74	-.08	.25920	.46	1.22	0	
0	4	-2	1		226.64	211.52	211.51	2.60	.18892	15.12	31.95	0	
0	4	-1	1		18.96	20.10	20.10	-.05	.13052	-1.15	-4.56	0	
0	4	0	1		43.49	41.83	-41.81	1.00	.10593	1.66	4.37	178	
0	4	1	1		20.19	22.56	22.56	-.02	.13509	-2.37	-9.36	0	
0	4	2	1		126.01	129.64	129.63	1.90	.19523	-3.63	-7.43	0	
0	4	3	1		23.90	21.83	-21.83	-.09	.26612	2.08	7.73	181	
0	4	4	1		23.40	22.38	-22.37	.65	.34113	1.02	3.76	178	
0	4	5	1		56.44	58.22	-58.22	-.59	.41804	-1.78	-3.78	181	
0	4	6	1		42.47	44.30	44.30	.80	.49597	-1.83	-4.54	1	
0	4	7	1		36.94	37.95	37.95	.38	.57450	-1.01	-2.75	0	
0	4	8	1	L	3.53	2.22	-2.20	.23	.65242	1.31	.52	173	
0	5	-8	1		19.62	19.94	19.93	.70	.64989	-.32	-.61	2	
0	5	-7	1		6.97	5.29	5.29	-.06	.57168	1.68	1.66	0	
0	5	-6	1		18.91	16.26	18.25	.51	.49407	.66	1.61	1	
0	5	-5	1		7.02	2.37	-2.37	-.09	.41743	4.66	6.35	183	
0	5	-4	1		26.73	27.01	27.01	.41	.34238	-.28	-.99	0	
0	5	-3	1	L	2.16	2.28	2.28	-.12	.27026	-.12	-.08	356	
0	5	-2	1		10.63	9.77	-9.77	.11	.20420	.86	2.95	179	
0	5	-1	1		10.38	13.18	13.18	-.04	.15230	-2.80	-10.54	0	
0	5	0	1		14.35	16.06	16.06	-.01	.13242	-1.71	-7.09	0	
0	5	1	1	L	3.12	1.27	1.27	-.04	.15720	1.85	2.20	359	
0	5	2	1		24.86	28.55	28.55	-.11	.21150	-3.69	-14.05	0	
0	5	3	1		9.91	11.37	11.37	.04	.27855	-1.46	-3.59	0	
0	5	4	1		14.84	12.62	-12.61	-.26	.35112	2.02	5.73	182	
0	5	5	1		6.23	7.99	7.99	.03	.42641	-1.76	-1.97	0	
0	5	6	1	L	5.70	4.78	4.78	-.11	.50320	.92	.81	359	
0	5	7	1	L	4.66	4.73	4.73	.07	.58088	-.07	-.04	0	
0	5	8	1	L	6.18	3.80	3.80	-.07	.65916	2.38	1.63	359	
0	6	-8	1		11.41	11.74	-11.68	-1.13	.65487	-.33	-.39	186	
0	6	-7	1		46.58	46.56	46.55	.56	.57747	.03	.05	0	
0	6	-6	1		91.20	89.65	-89.63	-1.81	.50091	1.55	1.74	182	
0	6	-5	1		48.43	48.59	-48.59	.01	.42568	-.16	-.34	179	
0	6	-4	1		11.47	10.49	-10.42	-1.26	.35261	.98	2.22	187	
0	6	-3	1		30.91	31.16	-31.16	-.33	.28337	-.25	-.79	181	
0	6	-2	1		107.28	93.65	-93.65	-.71	.22161	13.62	25.96	181	
0	6	-1	1		23.37	22.41	22.40	.29	.17938	.97	3.52	0	
0	6	0	1		166.09	164.51	-164.51	-1.40	.15890	1.58	3.64	181	
0	6	1	1		85.01	87.20	87.20	.68	.18050	-2.19	-4.57	0	
0	6	2	1		9.34	4.12	4.09	-.46	.22967	5.23	13.97	354	
0	6	3	1		91.66	94.92	-94.92	-.34	.29285	-3.26	-5.24	181	
0	6	4	1		12.96	12.26	12.25	.27	.36278	.70	1.72	1	
0	6	5	1		37.67	39.36	-39.36	.07	.43624	-1.69	-4.67	179	
0	6	6	1	L	3.09	.48	.47	-.10	.51170	2.61	1.18	349	
0	6	7	1		40.01	40.88	40.88	.52	.58839	-.87	-2.12	0	
0	6	8	1		29.87	29.99	-29.99	.16	.66589	-.13	-.30	179	
0	7	-8	1		20.48	20.54	-20.53	-.52	.66088	-.06	-.12	182	
0	7	-7	1		11.59	12.07	-12.07	-.03	.58440	-.47	-.68	181	
0	7	-6	1		17.89	20.50	-20.50	-.35	.50904	-2.61	-5.81	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
0	7	-5	1		9.23	5.36	5.36	.13	.43539	3.88	6.36	1	
0	7	-4	1		7.93	9.83	-9.83	-.11	.36343	-1.90	-3.14	181	
0	7	-3	1	L	2.42	1.24	-1.24	.07	.29827	1.18	.79	176	
0	7	-2	1		12.56	10.19	10.19	-.05	.24068	2.37	8.28	0	
0	7	-1	1		8.89	10.99	-10.99	.07	.19931	-2.10	-6.10	179	
0	7	0	1		4.87	12.23	-12.23	.05	.18538	-7.36	-10.17	179	
0	7	1	1	L	3.79	7.31	-7.31	.02	.20457	-3.53	-4.21	179	
0	7	2	1		21.33	25.27	-25.27	.02	.24934	-3.94	-14.35	179	
0	7	3	1		15.34	17.17	-17.17	-.04	.30876	-1.83	-5.67	181	
0	7	4	1		6.73	7.73	-7.73	.01	.37594	-1.00	-1.36	179	
0	7	5	1	L	2.81	4.95	-4.96	-.06	.44741	-2.14	-1.07	181	
0	7	6	1	L	6.10	.17	.16	-.05	.52140	5.93	5.33	343	
0	7	7	1	L	3.35	4.89	-4.89	-.05	.59698	-1.54	-.64	181	
0	7	8	1		15.27	16.50	-16.50	-.24	.67361	-1.23	-1.79	181	
0	8	-8	1		36.69	36.43	36.41	.98	.66788	.27	.69	1	
0	8	-7	1		12.30	12.58	-12.58	-.31	.59244	-.26	-.37	182	
0	8	-6	1		21.92	18.36	-18.36	.28	.51839	3.56	9.14	179	
0	8	-5	1		17.31	15.44	15.44	.30	.44648	1.87	4.76	1	
0	8	-4	1		36.89	37.05	37.04	.79	.37783	1.80	4.89	1	
0	8	-3	1		50.27	48.39	-48.38	-.73	.31469	1.89	3.88	181	
0	8	-2	1		32.21	29.19	-29.19	-.05	.26104	3.02	9.16	181	
0	8	-1	1		25.69	23.88	23.88	-.03	.22382	1.81	6.08	0	
0	8	0	1		72.50	70.82	70.82	.17	.21187	1.68	3.21	0	
0	8	1	1		52.48	52.70	52.70	.24	.22917	-.22	-.39	0	
0	8	2	1		117.47	117.93	-117.93	-1.11	.27017	-.50	-.86	181	
0	8	3	1		95.95	98.79	-98.79	-.88	.32605	-2.84	-4.29	181	
0	8	4	1		59.10	59.85	59.85	-.01	.39046	-.75	-1.37	0	
0	8	5	1	L	4.32	3.03	-3.03	-.02	.45984	1.29	.96	181	
0	8	6	1		63.95	65.89	-65.88	-1.31	.53225	-1.91	-3.44	182	
0	8	7	1	L	3.36	3.46	3.45	-.20	.60660	-.10	-.04	357	
0	8	8	1		31.01	31.25	-31.23	-1.07	.68225	-.24	-.55	182	
0	9	-8	1	L	5.03	2.31	-2.31	.08	.67586	2.72	1.48	178	
0	9	-7	1	L	3.30	2.46	2.46	-.10	.60153	.84	.36	358	
0	9	-6	1		20.36	21.95	21.95	.15	.52891	-1.59	-3.87	0	
0	9	-5	1	L	4.90	.42	.40	-.14	.45879	4.47	3.96	341	
0	9	-4	1	L	4.57	1.13	1.13	-.09	.39252	3.44	3.25	356	
0	9	-3	1		5.75	6.05	6.05	.01	.33241	-.30	-.41	0	
0	9	-2	1	L	4.58	1.76	-1.75	-.10	.28242	2.82	3.52	164	
0	9	-1	1		10.40	12.91	12.91	-.01	.24873	-2.51	-6.83	0	
0	9	0	1		20.18	23.28	23.28	-.05	.23835	-3.11	-11.45	0	
0	9	1	1	L	3.78	7.04	7.04	.00	.25416	-3.26	-3.41	0	
0	9	2	1		10.94	14.19	14.19	.04	.29193	-3.25	-8.09	0	
0	9	3	1	L	4.97	1.27	1.27	-.00	.34451	3.70	3.92	0	
0	9	4	1		14.68	15.68	15.68	.21	.40619	-1.01	-2.42	0	
0	9	5	1		8.24	8.49	8.49	.06	.47343	-.25	-.33	0	
0	9	6	1	L	4.01	4.72	4.71	.25	.54417	-.71	-.39	3	
0	9	7	1	L	6.97	6.36	6.36	.10	.61721	.61	.50	0	
0	9	8	1		11.23	10.32	10.31	.39	.69182	.91	1.00	2	
0	10	-8	1		33.11	32.66	-32.65	-.34	.68476	.45	1.06	181	
0	10	-7	1		8.25	4.67	-4.67	-.14	.61164	3.58	3.61	182	
0	10	-6	1		35.17	36.84	36.84	.29	.54052	-1.67	-4.27	0	
0	10	-5	1		23.24	24.97	24.97	.26	.47229	-1.73	-4.99	0	
0	10	-4	1		31.36	31.65	31.64	.57	.40840	-.29	-.82	1	
0	10	-3	1		17.43	15.97	-15.97	.20	.35124	1.45	4.63	179	
0	10	-2	1		7.35	9.22	9.21	.47	.30461	-1.87	-3.13	2	
0	10	-1	1		69.76	66.21	66.20	.39	.27394	3.56	5.87	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
0	10	0	1		146.46	143.52	143.52	1.48	.26483	2.94	5.10	0	
0	10	1	1		8.63	9.80	9.80	.16	.27942	-1.17	-2.50	0	
0	10	2	1		25.10	24.94	24.91	1.25	.31440	.16	.54	2	
0	10	3	1		32.12	32.80	32.80	.24	.36396	-.68	-2.12	0	
0	10	4	1		46.66	47.37	47.35	1.38	.42299	-.72	-1.65	1	
0	10	5	1		8.10	7.78	7.77	.18	.48808	.33	.43	1	
0	10	6	1		54.01	55.63	55.61	1.52	.55710	-1.62	-3.15	1	
0	10	7	1		25.03	25.74	25.74	.31	.62876	-.71	-1.65	0	
0	10	8	1		28.30	29.16	29.13	1.29	.70225	-.85	-1.81	2	
0	11	-8	1	L	4.73	.19	.07	.17	.69456	4.55	2.25	67	
0	11	-7	1	L	3.35	1.17	1.16	.11	.62272	2.18	.91	5	
0	11	-6	1	L	3.11	2.58	2.55	.33	.55316	.53	.24	7	
0	11	-5	1		12.85	13.88	-13.87	-.10	.48686	-1.02	-1.96	181	
0	11	-4	1		6.28	2.38	-2.37	.19	.42534	3.90	4.54	175	
0	11	-3	1		7.62	5.43	5.43	.10	.37100	2.19	3.53	1	
0	11	-2	1		31.22	27.97	27.97	.31	.32743	3.24	9.87	0	
0	11	-1	1	L	2.38	4.38	-4.38	-.03	.29936	-2.00	-1.18	181	
0	11	0	1		17.43	23.62	-23.62	.01	.29132	-6.22	-14.72	179	
0	11	1	1		11.58	12.88	-12.88	-.03	.30486	-1.30	-3.31	181	
0	11	2	1		22.38	24.32	-24.32	-.14	.33746	-1.98	-6.42	181	
0	11	3	1	L	3.90	1.88	-1.87	-.05	.38425	2.03	1.53	182	
0	11	4	1	L	2.88	2.06	-2.05	-.23	.44075	.82	.40	167	
0	11	5	1		7.78	10.54	-10.54	-.08	.50369	-2.76	-3.16	181	
0	11	6	1		12.78	12.69	-12.69	-.48	.57096	.08	.14	183	
0	11	7	1	L	3.47	4.31	4.31	.01	.64119	-.84	-.34	0	
0	12	-7	1		22.84	22.13	22.13	.08	.63470	.70	1.50	0	
0	12	-6	1		18.90	16.44	16.44	-.30	.56075	2.46	5.40	359	
0	12	-5	1		72.73	72.92	-72.91	-.99	.50240	-.19	-.30	181	
0	12	-4	1		83.15	80.23	-80.22	-1.61	.44322	2.91	3.59	182	
0	12	-3	1		29.39	27.05	27.05	.38	.39156	2.34	7.12	0	
0	12	-2	1	L	5.00	6.13	-5.94	-1.50	.35077	-1.04	-1.13	195	
0	12	-1	1		32.15	29.34	29.34	-.08	.32496	2.81	7.90	0	
0	12	0	1		75.27	77.20	-77.18	-1.90	.31700	-3.94	-5.82	182	
0	12	1	1		86.43	88.39	-88.39	-.76	.33051	-1.96	-2.90	181	
0	12	2	1		5.89	1.61	.98	-1.27	.36059	4.28	5.07	308	
0	12	3	1		82.61	81.59	81.59	.41	.40526	1.02	1.32	0	
0	12	4	1		166.80	167.62	-167.59	-2.78	.45934	-.82	-1.01	181	
0	12	5	1		23.83	25.49	-25.49	-.27	.52019	-1.66	-4.48	181	
0	12	6	1		8.74	2.87	2.56	-1.29	.58570	5.88	6.54	334	
0	12	7	1	L	3.54	1.32	-1.32	.01	.65446	2.22	.88	179	
0	13	-7	1	L	4.57	1.33	-1.33	-.01	.64755	3.24	1.70	181	
0	13	-6	1		9.77	9.12	-9.10	-.55	.58123	.65	.84	184	
0	13	-5	1	L	6.15	3.31	-3.31	.05	.51882	2.84	2.65	179	
0	13	-4	1		18.14	17.09	-17.08	-.47	.46192	1.05	2.61	182	
0	13	-3	1		9.71	11.09	11.09	.07	.41279	-1.38	-2.35	0	
0	13	-2	1		15.97	16.24	-16.24	-.31	.37453	-.27	-.74	182	
0	13	-1	1		6.59	8.11	8.11	.08	.35069	-1.51	-1.95	0	
0	13	0	1	L	3.03	3.75	3.75	-.05	.34428	-.72	-.33	0	
0	13	1	1	L	2.69	1.55	1.55	.06	.35626	1.14	.59	2	
0	13	2	1		14.94	15.12	15.12	.15	.38491	-.18	-.46	0	
0	13	3	1		6.23	1.08	1.08	.05	.42688	5.15	5.58	2	
0	13	4	1	L	3.00	5.17	5.16	.35	.47868	-2.17	-1.01	3	
0	13	5	1	L	3.14	.15	.15	.04	.53749	2.99	1.39	16	
0	13	6	1		17.24	17.59	17.58	.55	.60123	-.34	-.62	1	
0	13	7	1		7.89	4.52	4.52	.06	.66852	3.37	2.84	0	
0	14	-7	1		47.06	48.90	48.90	.61	.66121	-1.84	-3.66	0	

H	K	L	GRP	FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
0	14	-6	1	63.04	65.39	65.36	1.82	.59654	-2.35	-3.80	1	
0	14	-5	1	59.74	56.66	-56.65	-.42	.53606	3.09	5.54	181	
0	14	-4	1	43.46	42.51	42.47	1.63	.48135	.95	1.97	2	
0	14	-3	1	44.86	43.81	43.81	.54	.43460	1.05	2.35	0	
0	14	-2	1	44.08	42.25	42.21	1.90	.39863	1.83	3.81	2	
0	14	-1	1	31.39	32.62	32.62	.26	.37652	-1.24	-3.34	0	
0	14	0	1	117.48	121.41	121.39	2.83	.37077	-3.94	-5.53	1	
0	14	1	1	44.75	43.91	-43.91	-.38	.38211	.84	1.77	181	
0	14	2	1	59.43	58.76	58.71	2.36	.40914	.68	1.19	2	
0	14	3	1	35.95	37.56	37.56	.21	.44902	-1.61	-4.31	0	
0	14	4	1	34.67	35.26	35.24	1.55	.49868	-.60	-1.70	2	
0	14	5	1	12.35	13.34	13.34	.19	.55550	-.99	-1.51	0	
0	14	6	1	46.31	46.11	46.08	1.75	.61752	.20	.45	2	
0	14	7	1	22.34	20.17	-20.17	-.39	.68331	2.16	4.03	182	
0	15	-7	1	16.31	17.82	-17.82	-.25	.67563	-1.51	-2.26	181	
0	15	-6	1	L 3.45	1.59	-1.51	.51	.61260	1.86	.75	161	
0	15	-5	1	32.12	10.77	10.77	.06	.55402	1.35	2.06	0	
0	15	-4	1	23.45	22.74	22.73	.61	.50143	.71	1.90	1	
0	15	-3	1	8.63	2.23	2.22	-.16	.45691	4.40	4.63	356	
0	15	-2	1	7.09	9.21	9.20	.31	.42301	-2.12	-2.41	1	
0	15	-1	1	10.68	12.55	-12.59	-.14	.40243	-1.72	-3.06	181	
0	15	0	1	L 3.02	2.41	2.41	.12	.39725	.61	.28	2	
0	15	1	1	L 2.85	1.89	-1.88	-.10	.40805	.96	.47	184	
0	15	2	1	14.14	13.54	-13.54	-.22	.43363	.61	1.20	181	
0	15	3	1	7.72	6.27	-6.27	-.08	.47161	1.46	1.72	181	
0	15	4	1	L 3.15	6.58	-6.57	-.39	.51926	-3.43	-1.53	184	
0	15	5	1	9.02	7.30	7.30	.03	.57418	1.72	1.97	0	
0	15	6	1	8.78	6.54	-6.53	-.48	.63449	2.23	2.15	185	
0	15	7	1	L 6.75	3.24	-3.24	-.03	.69880	3.51	2.34	183	
0	16	-7	1	35.39	35.91	-35.91	-.49	.69076	-.52	-1.26	181	
0	16	-6	1	91.13	90.17	-90.14	-2.12	.62938	.96	1.28	182	
0	16	-5	1	18.41	15.01	15.01	.26	.57264	3.39	7.17	0	
0	16	-4	1	36.21	35.42	-35.38	-1.82	.52208	.79	2.18	183	
0	16	-3	1	26.71	26.65	-26.65	-.33	.47964	.06	.16	181	
0	16	-2	1	148.93	143.56	-143.53	-2.56	.44764	5.37	6.67	182	
0	16	-1	1	L 2.85	4.06	-4.06	.11	.42842	-1.21	-.59	178	
0	16	0	1	15.36	13.88	13.78	-1.61	.42373	1.48	3.49	354	
0	16	1	1	L 4.05	6.31	-6.31	.19	.43405	-2.26	-1.55	178	
0	16	2	1	129.46	129.37	-129.34	-2.54	.45835	.09	.11	182	
0	16	3	1	38.84	39.42	-39.42	-.36	.49458	-.58	-1.47	181	
0	16	4	1	39.63	40.26	-40.23	-1.47	.54035	-.63	-1.52	183	
0	16	5	1	21.73	20.45	20.44	.53	.59345	1.28	2.71	1	
0	16	6	1	42.31	43.07	-43.05	-1.52	.65210	-.76	-1.69	185	
0	17	-6	1	21.24	22.55	-22.54	-.79	.64680	-1.32	-2.55	183	
0	17	-5	1	L 4.75	3.66	3.65	.20	.59187	1.09	.66	3	
0	17	-4	1	21.27	20.91	-20.90	-.56	.54324	.36	.89	182	
0	17	-3	1	L 3.04	2.52	2.51	.16	.50274	.53	.24	3	
0	17	-2	1	8.14	9.48	-9.48	-.27	.47246	-1.34	-1.60	182	
0	17	-1	1	L 4.07	3.92	3.92	.16	.45446	.16	.10	2	
0	17	0	1	L 2.99	3.24	3.24	-.07	.45022	-.25	-.12	359	
0	17	1	1	7.31	7.18	-7.18	.07	.46010	.12	.14	179	
0	17	2	1	L 3.01	.23	-.16	.18	.48325	2.78	1.29	131	
0	17	3	1	L 3.12	1.31	-1.31	.06	.51789	1.82	.81	177	
0	17	4	1	L 3.20	1.68	1.65	.28	.56190	1.53	.67	9	
0	17	5	1	L 3.42	3.25	3.25	.04	.61326	.17	.07	0	
0	17	6	1	L 3.60	1.68	1.64	.40	.67029	1.92	.74	13	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	MADF	ANGLE CALC	ANGLE STAT
0	18	-6	1		12.51	14.61	14.55	1.32	.66482	-2.10	-2.65	5	
0	18	-5	1		56.31	56.55	56.55	.69	.61164	-.25	-.44	0	
0	18	-4	1		36.68	34.74	34.69	1.87	.56484	1.94	5.32	3	
0	18	-3	1		29.60	26.69	-26.69	-.52	.52615	2.97	8.28	182	
0	18	-2	1		77.71	74.50	74.47	2.15	.49740	3.22	5.10	1	
0	18	-1	1		22.04	20.04	-20.04	-.40	.48056	2.00	5.40	182	
0	18	0	1		57.64	57.74	57.71	1.87	.47670	-.10	-.19	1	
0	18	1	1		27.69	27.82	27.82	.15	.48620	-.13	-.40	0	
0	18	2	1		20.25	21.22	21.19	1.12	.50031	-.98	-2.37	3	
0	18	3	1		40.95	39.31	-39.30	-.53	.54149	1.64	3.97	181	
0	18	4	1		57.29	55.93	55.91	1.57	.58385	1.36	2.57	1	
0	18	5	1		10.96	9.58	-9.57	-.51	.63356	1.38	1.64	184	
0	18	6	1		11.79	12.40	12.38	.84	.68902	-.61	-.69	3	
0	19	-6	1		21.20	22.43	22.42	.69	.68340	-1.23	-2.27	1	
0	19	-5	1		11.54	9.88	-9.88	-.34	.63190	1.66	2.11	182	
0	19	-4	1		17.83	17.05	17.04	.43	.58685	.79	1.54	1	
0	19	-3	1	L	3.81	1.57	1.56	-.15	.54985	2.24	1.22	355	
0	19	-2	1		30.72	30.21	30.21	.38	.52260	.51	1.50	0	
0	19	-1	1	L	3.06	3.14	3.14	-.15	.50669	-.08	-.04	358	
0	19	0	1	L	3.21	6.92	-6.92	-.08	.50318	-3.70	-1.63	181	
0	19	1	1	L	3.12	4.33	-4.33	-.13	.51234	-1.20	-.54	182	
0	19	2	1	L	5.68	2.13	-2.13	-.11	.53351	3.54	2.81	184	
0	19	3	1		12.17	11.72	11.72	.01	.56535	.45	.66	0	
0	19	4	1	L	3.86	1.79	1.78	-.22	.60617	2.06	.96	353	
0	19	5	1	L	4.16	3.24	3.23	.05	.65429	.92	.42	0	
0	20	-6	1		38.99	38.24	-38.21	-1.55	.70248	.75	1.76	183	
0	20	-5	1	L	3.55	1.81	1.79	.24	.65260	1.74	.69	7	
0	20	-4	1		67.87	65.51	-65.48	-1.93	.60923	2.36	3.78	183	
0	20	-3	1		19.94	17.36	17.36	.35	.57379	2.58	5.49	1	
0	20	-2	1		13.25	13.23	13.21	-.64	.54787	.02	.03	358	
0	20	-1	1		9.95	9.17	-9.17	.07	.53286	.78	1.08	179	
0	20	0	1		39.09	40.26	-40.23	-1.54	.52967	-1.17	-2.84	183	
0	20	1	1		29.15	28.41	28.40	.72	.53852	.74	2.11	1	
0	20	2	1		29.60	27.54	-27.53	-.86	.55683	2.06	5.65	182	
0	20	3	1		24.63	23.51	23.51	.62	.58943	1.11	2.60	1	
0	20	4	1		21.47	19.94	-19.93	-.56	.62881	1.53	3.03	182	
0	20	5	1		30.36	28.78	-28.78	-.22	.67544	1.58	3.59	181	
0	21	-5	1		12.13	13.54	-13.54	.11	.67371	-1.41	-1.70	179	
0	21	-4	1		10.37	11.51	-11.51	-.27	.63189	-1.14	-1.30	182	
0	21	-3	1		8.41	5.53	5.53	.22	.59794	2.87	2.88	2	
0	21	-2	1	L	3.78	5.11	-5.11	-.15	.57325	-1.33	-.65	182	
0	21	-1	1	L	3.25	3.96	3.95	.18	.55905	-.71	-.31	2	
0	21	0	1		10.17	9.78	-9.78	-.00	.55615	.39	.49	181	
0	21	1	1	L	3.26	1.45	-1.45	.06	.56472	1.82	.78	177	
0	21	2	1	L	3.35	1.20	-1.20	.07	.56425	2.16	.90	176	
0	21	3	1		8.39	7.09	-7.09	-.04	.61371	1.30	1.27	181	
0	21	4	1		8.95	4.45	-4.45	.13	.65174	4.50	4.36	178	
0	21	5	1	L	6.92	4.38	-4.38	-.10	.69694	2.54	1.72	182	
0	22	-5	1		47.11	44.62	-44.62	-.75	.69519	2.49	5.03	181	
0	22	-4	1		30.12	27.39	27.38	.71	.65486	2.73	6.46	1	
0	22	-3	1		11.42	9.67	9.67	-.22	.62228	1.75	2.19	359	
0	22	-2	1		33.97	32.21	32.20	.89	.59872	1.76	4.81	1	
0	22	-1	1	L	3.33	.63	-.43	-.47	.58527	2.69	1.13	228	
0	22	0	1		11.84	11.52	-11.52	.14	.58263	.32	.44	179	
0	22	1	1		10.09	9.80	-9.79	-.50	.59095	.29	.35	183	
0	22	2	1		23.56	21.52	21.52	.26	.60977	2.04	4.54	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LK	DF	M*DF	ANGLE CALC	ANGLE STAT
0	22	3	1	L	6.04	4.91	4.89	-.39	.63816	1.13	.77	356	
0	22	4	1	L	7.34	6.04	-6.04	-.19	.67493	1.30	.99	182	
0	23	-4	1		18.68	15.96	15.96	.23	.67808	2.73	4.76	0	
0	23	-3	1	L	3.54	3.36	3.36	-.17	.64679	.18	.07	358	
0	23	-2	1	L	7.30	3.22	-3.21	-.11	.62428	4.09	3.32	183	
0	23	-1	1	L	3.51	.58	-.58	-.07	.61152	2.93	1.17	188	
0	23	0	1		7.93	6.13	6.13	.02	.60912	1.81	1.69	0	
0	23	1	1		9.06	7.99	7.99	.01	.61720	1.06	1.11	0	
0	23	2	1	L	5.99	5.03	-5.03	-.13	.63536	.97	.63	182	
0	23	3	1	L	4.82	1.50	-1.50	.03	.66277	3.32	1.74	179	
0	23	4	1		16.46	13.39	13.39	.08	.69835	3.07	4.59	0	
0	24	-4	1		23.93	23.38	23.37	.35	.70154	.56	1.05	0	
0	24	-3	1	L	6.98	8.54	8.53	.40	.67145	-1.56	-1.12	2	
0	24	-2	1		27.68	27.10	-27.09	-.46	.64992	.59	1.35	181	
0	24	-1	1		54.07	53.82	53.81	.98	.63778	.25	.47	1	
0	24	0	1		30.92	30.50	30.49	.71	.63560	.41	1.02	1	
0	24	1	1	L	3.55	.53	-.44	.29	.64346	3.02	1.19	145	
0	24	2	1	L	3.62	.75	.56	.50	.66102	2.87	1.11	41	
0	24	3	1	L	3.69	.89	-.87	.20	.68752	2.80	1.06	166	
0	25	-3	1	L	3.78	.62	.61	.13	.69625	3.16	1.17	11	
0	25	-2	1	L	3.91	8.40	-8.40	.09	.67561	-4.49	-1.61	179	
0	25	-1	1	L	3.80	1.41	-1.41	.02	.66407	2.58	.88	179	
0	25	0	1	L	3.71	5.39	5.39	.11	.66208	-1.68	-.63	1	
0	25	1	1		10.42	10.89	-10.89	-.09	.66975	-.47	-.49	181	
0	25	2	1	L	4.39	4.80	-4.80	-.00	.68674	-.41	-.18	181	
0	26	-2	1		65.44	66.27	-66.26	-1.43	.70137	-.83	-1.35	182	
0	26	-1	1		24.59	22.08	22.08	.00	.69036	2.44	4.79	0	
0	26	0	1		25.49	24.22	-24.21	-.85	.68857	1.27	2.60	183	
0	26	1	1		35.63	35.34	-35.34	-.70	.69605	.28	.68	182	
1	-26	-2	1	L	3.81	7.87	-7.87	-.14	.70297	-4.06	-1.49	182	
1	-26	-1	1	L	3.76	1.35	1.33	.20	.69006	2.41	.90	8	
1	-26	0	1	L	3.76	2.44	-2.43	-.19	.68632	1.33	.49	185	
1	-26	1	1	L	6.80	4.28	4.27	.22	.69190	2.52	1.76	2	
1	-25	-3	1		52.96	50.15	50.15	.80	.69935	2.80	5.37	0	
1	-25	-2	1		8.28	6.94	-6.85	-1.11	.67707	1.34	1.14	190	
1	-25	-1	1		39.84	41.59	-41.59	-.34	.66376	-1.75	-4.33	181	
1	-25	0	1		45.59	47.14	-47.10	-1.73	.65999	-1.55	-3.70	183	
1	-25	1	1		8.85	7.18	-7.18	-.04	.66590	1.66	1.56	181	
1	-25	2	1		22.18	24.56	-24.51	-1.59	.68126	-2.38	-4.45	184	
1	-24	-3	1	L	5.35	3.13	3.13	-.09	.67424	2.22	1.20	359	
1	-24	-2	1	L	5.06	4.81	4.81	.14	.65120	.25	.14	1	
1	-24	-1	1	L	3.61	1.67	1.67	-.16	.63748	1.94	.75	355	
1	-24	0	1	L	3.61	.27	.10	.25	.63367	3.34	1.30	68	
1	-24	1	1	L	3.73	8.02	-8.02	-.23	.63995	-4.30	-1.75	182	
1	-24	2	1		19.21	21.54	21.53	.63	.65602	-2.33	-4.07	1	
1	-24	3	1	L	7.53	7.87	7.87	-.05	.68121	-.34	-.26	0	
1	-23	-4	1		34.93	34.00	33.97	1.44	.68170	.93	2.27	2	
1	-23	-3	1		27.21	27.47	27.47	.21	.64923	-.27	-.61	0	
1	-23	-2	1		18.87	19.47	19.39	1.76	.62540	-.60	-1.17	5	
1	-23	-1	1		23.55	23.13	-23.13	-.21	.61122	.42	.95	181	
1	-23	0	1		83.92	89.70	89.68	2.08	.60737	-5.78	-7.86	1	
1	-23	1	1	L	3.42	.18	-.16	.08	.61404	3.24	1.33	155	
1	-23	2	1		12.02	14.13	14.05	1.47	.63089	-2.11	-2.68	5	
1	-23	3	1		18.03	17.40	17.40	.45	.65716	.63	1.07	1	
1	-23	4	1		38.88	41.01	40.98	1.49	.69175	-2.13	-5.35	2	
1	-22	-5	1	L	6.98	2.40	2.40	.08	.69912	4.58	3.32	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	WADF	ANGLE CALC	ANGLE STAT
1	-22	-4	1	L	5.09	2.46	-2.46	.05	.65792	2.64	1.51	178	
1	-22	-3	1	L	3.44	3.51	3.51	.14	.62434	-.07	-.03	2	
1	-22	-2	1	L	3.55	1.14	1.14	-.07	.59965	2.41	.95	357	
1	-22	-1	1	L	3.31	2.77	2.76	.09	.58497	.55	.23	1	
1	-22	0	1	L	3.67	8.65	-8.64	-.36	.58108	-4.98	-1.90	183	
1	-22	1	1	L	5.15	5.69	-5.69	.04	.58817	-.54	-.35	179	
1	-22	2	1		8.64	10.18	-10.17	-.48	.60588	-1.54	-1.57	183	
1	-22	3	1		8.75	10.23	10.22	.18	.63330	-1.48	-1.41	1	
1	-22	4	1		21.44	21.74	-21.73	-.71	.66924	-.30	-.56	182	
1	-21	-5	1		8.42	4.76	4.76	.17	.67688	3.65	3.22	2	
1	-21	-4	1	L	3.46	2.41	-2.11	-1.15	.63436	1.05	.42	209	
1	-21	-3	1		34.10	35.33	-35.33	-.57	.59959	-1.23	-3.40	181	
1	-21	-2	1		99.69	101.09	-101.06	-2.19	.57396	-1.39	-1.40	182	
1	-21	-1	1		8.52	10.24	-10.24	-.08	.55875	-1.70	-1.92	181	
1	-21	0	1		24.40	26.34	-26.30	-1.40	.55481	-1.95	-5.00	184	
1	-21	1	1	L	4.78	9.25	-9.25	-.16	.56237	-4.47	-2.80	182	
1	-21	2	1		58.77	63.14	-63.12	-1.74	.58099	-4.37	-8.29	182	
1	-21	3	1		34.87	35.74	-35.74	-.69	.60966	-.87	-2.39	182	
1	-21	4	1	L	3.62	7.18	-7.14	-.80	.64703	-3.57	-1.38	187	
1	-21	5	1	L	3.69	1.15	1.15	-.02	.69171	2.54	.96	0	
1	-20	-5	1	L	3.53	1.96	-1.95	-.07	.65496	1.58	.63	183	
1	-20	-4	1	L	3.38	.92	-.92	-.02	.61104	2.46	1.02	182	
1	-20	-3	1	L	3.25	1.02	-1.02	-.08	.57499	2.23	.96	185	
1	-20	-2	1	L	3.41	.69	-.66	.12	.54836	2.73	1.12	170	
1	-20	-1	1	L	4.22	7.68	-7.68	-.07	.53256	-3.46	-2.06	181	
1	-20	0	1	L	6.46	4.14	4.13	.32	.52856	2.32	2.14	4	
1	-20	1	1		6.60	9.18	-9.18	-.03	.53064	-2.58	-2.38	181	
1	-20	2	1	L	3.28	3.78	3.77	.29	.55626	-.50	-.21	4	
1	-20	3	1	L	3.31	2.73	-2.73	.04	.58626	.58	.25	179	
1	-20	4	1		11.52	10.06	10.05	.50	.62516	1.46	1.88	2	
1	-20	5	1		9.87	10.49	10.49	.16	.67141	-.62	-.63	0	
1	-19	-6	1		30.25	31.51	31.49	1.05	.68518	-1.26	-2.91	1	
1	-19	-5	1		8.40	8.82	8.81	.42	.63339	-.42	-.41	2	
1	-19	-4	1		65.83	65.93	65.90	1.90	.58799	-.10	-.19	1	
1	-19	-3	1		26.51	26.39	-26.39	-.19	.55057	.11	.30	181	
1	-19	-2	1		55.13	57.98	57.97	1.38	.52284	-2.86	-5.85	1	
1	-19	-1	1		37.94	40.07	40.07	.67	.50639	-2.13	-6.14	0	
1	-19	0	1		27.68	25.33	-25.32	.67	.50234	2.35	7.02	178	
1	-19	1	1		39.67	42.76	42.76	.65	.51098	-3.09	-8.40	0	
1	-19	2	1		38.33	40.68	40.66	1.11	.53169	-2.35	-6.09	1	
1	-19	3	1		19.89	18.32	-18.32	-.03	.56314	1.57	3.46	181	
1	-19	4	1		52.59	52.15	52.15	.91	.60365	.44	.88	0	
1	-19	5	1		8.21	5.11	5.09	.40	.65155	3.10	2.87	4	
1	-18	-6	1	L	3.55	4.13	4.13	.14	.66553	-.58	-.23	1	
1	-18	-5	1		7.54	5.86	5.86	.10	.61220	1.68	1.57	0	
1	-18	-4	1	L	3.71	4.68	4.68	.02	.56524	-.98	-.50	0	
1	-18	-3	1	L	3.06	3.25	3.25	.02	.52635	-.19	-.09	0	
1	-18	-2	1	L	3.04	3.66	3.66	-.13	.49742	-.62	-.29	359	
1	-18	-1	1	L	3.01	3.86	-3.86	-.04	.48026	-.85	-.40	181	
1	-18	0	1		7.24	11.56	11.56	-.11	.47614	-4.32	-4.55	0	
1	-18	1	1	L	3.06	6.76	6.76	-.03	.48541	-3.70	-1.70	0	
1	-18	2	1		19.92	19.71	-19.71	-.33	.50731	.21	.50	181	
1	-18	3	1	L	6.50	5.71	-5.71	-.18	.54032	.79	.71	182	
1	-18	4	1		9.83	8.81	8.81	-.04	.58256	1.01	1.24	0	
1	-18	5	1		8.50	6.73	6.73	-.09	.63217	1.77	1.74	0	
1	-18	6	1	L	3.70	1.79	-1.79	-.08	.68756	1.91	.72	183	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	WDF	ANGLE CALC	ANGLE STAT
1	-17	-6	1		13.71	14.34	-14.31	-.96	.64637	-.63	-.92	184	
1	-17	-5	1		35.12	36.19	-36.19	-.61	.59145	-1.07	-2.93	181	
1	-17	-4	1		14.19	15.55	-15.52	-.95	.54283	-1.36	-2.46	184	
1	-17	-3	1		8.71	9.65	-9.64	-.43	.50235	-.94	-1.26	183	
1	-17	-2	1		15.39	15.48	15.48	-.21	.47212	-.09	-.20	0	
1	-17	-1	1	L	2.89	3.76	-3.75	-.36	.45417	-.87	-.42	186	
1	-17	0	1		103.46	108.83	-108.82	-1.28	.44998	-5.37	-6.59	181	
1	-17	1	1		10.67	11.26	11.26	-.27	.45994	-.59	-.96	359	
1	-17	2	1		80.02	80.53	80.53	.57	.48316	-.51	-.62	0	
1	-17	3	1	L	4.92	4.37	4.35	-.37	.51786	.55	.39	356	
1	-17	4	1		15.62	16.32	-16.32	.05	.56192	-.71	-1.33	179	
1	-17	5	1		51.57	52.05	-52.05	-.69	.61333	-.49	-.95	181	
1	-17	6	1		20.57	20.72	20.71	.26	.67039	-.15	-.27	0	
1	-16	-7	1		8.59	9.87	-9.87	-.14	.68901	-1.29	-1.12	181	
1	-16	-6	1	L	4.89	3.79	-3.79	.00	.62774	1.10	.66	179	
1	-16	-5	1	L	3.19	5.24	-5.24	-.06	.57116	-2.05	-.90	181	
1	-16	-4	1	L	5.89	5.02	5.02	.06	.52080	.88	.78	0	
1	-16	-3	1	L	2.95	3.44	-3.44	.04	.47862	-.49	-.23	179	
1	-16	-2	1		9.46	9.32	-9.32	.07	.44695	.14	.20	179	
1	-16	-1	1	L	2.81	.94	.94	.07	.42813	1.87	.93	4	
1	-16	0	1		20.36	24.73	-24.73	-.07	.42386	-4.37	-11.69	181	
1	-16	1	1		6.19	6.91	-6.91	.12	.43459	-.72	-.76	179	
1	-16	2	1	L	3.82	4.71	4.71	.04	.45926	-.89	-.54	0	
1	-16	3	1		6.38	3.40	3.40	.17	.49579	2.98	2.88	2	
1	-16	4	1		6.81	7.55	-7.55	-.15	.54179	-.74	-.69	182	
1	-16	5	1	L	3.36	6.09	-6.08	.11	.59507	-2.72	-1.13	178	
1	-16	6	1	L	6.48	10.33	-10.33	-.34	.65384	-3.85	-2.62	182	
1	-15	-7	1		26.39	26.34	26.33	.49	.67249	.05	.11	1	
1	-15	-6	1		34.10	33.53	33.52	.72	.60969	.57	1.57	1	
1	-15	-5	1		10.46	9.50	-9.50	.15	.55140	.96	1.37	179	
1	-15	-4	1	L	5.22	3.60	-3.59	-.09	.49920	1.62	1.34	182	
1	-15	-3	1		52.34	54.59	54.59	.75	.45519	-2.25	-4.35	0	
1	-15	-2	1	L	5.24	5.93	5.93	-.08	.42195	-.68	-.64	0	
1	-15	-1	1	L	2.71	2.65	2.63	.28	.40214	.06	.03	5	
1	-15	0	1		16.43	16.04	-16.03	-.48	.39779	.39	.99	182	
1	-15	1	1		6.20	5.50	5.50	.28	.40939	.70	.79	2	
1	-15	2	1		17.87	18.06	-18.05	-.65	.43566	-.19	-.47	183	
1	-15	3	1		46.19	44.62	44.62	.48	.47417	1.57	3.73	0	
1	-15	4	1	L	4.87	1.31	.98	-.87	.52222	3.56	2.55	319	
1	-15	5	1		9.79	8.31	-8.31	.16	.57744	1.48	1.82	178	
1	-15	6	1		27.81	28.11	-28.09	-1.02	.63797	-.30	-.68	183	
1	-15	7	1	L	5.89	4.16	4.16	.05	.70243	1.73	1.02	0	
1	-14	-7	1	L	5.55	1.42	-1.42	.02	.65663	4.13	2.61	178	
1	-14	-6	1	L	5.07	6.72	6.72	-.05	.59228	-1.65	-1.06	0	
1	-14	-5	1	L	3.07	7.36	7.36	.02	.53223	-4.29	-1.96	0	
1	-14	-4	1	L	2.96	3.16	-3.16	-.12	.47810	-.20	-.09	183	
1	-14	-3	1	L	3.92	7.49	7.49	-.00	.43212	-3.57	-2.46	0	
1	-14	-2	1		20.98	22.48	22.48	.04	.39714	-1.50	-4.60	0	
1	-14	-1	1		8.88	10.75	10.75	-.09	.37623	-1.86	-3.20	0	
1	-14	0	1		7.76	5.72	-5.72	-.00	.37178	2.04	2.94	181	
1	-14	1	1	L	2.68	.24	.17	-.17	.38436	2.44	1.27	316	
1	-14	2	1		26.85	27.77	27.77	.38	.41241	-.92	-3.08	0	
1	-14	3	1	L	2.89	4.62	4.62	-.18	.45307	-1.73	-.84	358	
1	-14	4	1		18.00	18.92	18.91	.47	.50330	-.91	-2.15	1	
1	-14	5	1		12.73	11.38	-11.37	-.27	.56052	1.35	2.15	182	
1	-14	6	1		26.45	26.37	26.37	.63	.62281	.07	.18	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	-14	7	1		12.14	13.23	13.23	-.01	.69880	-1.08	-1.29	0	
1	-13	-7	1		45.43	43.17	-43.16	-.88	.64147	2.27	5.29	182	
1	-13	-6	1		36.19	35.28	35.27	.67	.57556	.91	2.45	1	
1	-13	-5	1		17.92	17.62	17.62	-.20	.51370	.29	.67	0	
1	-13	-4	1		30.54	30.55	30.54	.79	.45755	-.01	-.02	1	
1	-13	-3	1	L	2.69	5.48	5.48	-.12	.40946	-2.79	-1.45	359	
1	-13	-2	1		96.46	96.44	-96.44	.15	.37256	-1.98	-2.75	179	
1	-13	-1	1		46.39	49.04	-49.04	-.49	.35040	-2.65	-6.06	181	
1	-13	0	1		225.44	234.44	234.42	2.42	.34584	-9.00	-13.44	0	
1	-13	1	1		45.88	46.71	-46.71	-.54	.35954	-.83	-1.87	181	
1	-13	2	1		36.31	35.43	-35.41	.96	.38958	.88	2.48	178	
1	-13	3	1		42.88	42.95	42.95	.07	.43256	-.07	-.17	0	
1	-13	4	1		48.21	46.60	46.58	1.52	.48507	1.60	3.35	1	
1	-13	5	1		25.57	25.17	25.17	.29	.54435	.40	1.05	0	
1	-13	6	1		36.12	36.09	36.06	1.55	.60843	.03	.09	2	
1	-13	7	1		47.86	46.18	-46.17	-.77	.67593	1.69	3.29	181	
1	-12	-8	1	L	5.14	.59	.55	.22	.69722	4.55	2.47	21	
1	-12	-7	1	L	3.95	5.30	-5.30	-.06	.62707	-1.35	-.64	181	
1	-12	-6	1	L	3.13	.62	.58	.20	.55960	2.52	1.13	18	
1	-12	-5	1	L	5.90	5.68	-5.68	.00	.49590	.22	.21	179	
1	-12	-4	1		8.00	3.78	3.78	.16	.43765	4.22	6.03	2	
1	-12	-3	1		7.44	5.89	5.89	.07	.38728	1.55	2.27	0	
1	-12	-2	1		18.86	22.01	-22.01	-.07	.34825	-3.14	-9.83	181	
1	-12	-1	1	L	2.48	5.09	-5.09	.12	.32468	-2.61	-1.47	178	
1	-12	0	1		19.24	23.99	-23.99	-.24	.31998	-4.75	-15.00	181	
1	-12	1	1		7.43	9.45	-9.45	.12	.33497	-2.02	-3.15	179	
1	-12	2	1		10.04	10.66	-10.65	-.47	.36723	-.62	-1.17	183	
1	-12	3	1	L	4.62	1.11	-1.10	.15	.41274	3.51	2.90	172	
1	-12	4	1		13.54	14.25	-14.24	-.63	.46764	-.71	-1.31	183	
1	-12	5	1		12.93	10.55	10.55	.28	.52902	2.38	4.07	1	
1	-12	6	1		30.32	30.50	-30.49	-.93	.59488	-.19	-.48	182	
1	-12	7	1	L	6.19	5.09	-5.09	.04	.66368	1.09	.73	179	
1	-11	-8	1		36.30	34.87	-34.86	-.83	.68491	1.44	3.58	182	
1	-11	-7	1		36.98	36.68	-36.68	-.21	.61347	.30	.79	181	
1	-11	-6	1		34.32	35.85	-35.83	-1.00	.54445	-1.52	-4.39	182	
1	-11	-5	1		33.95	32.62	32.62	.42	.47891	1.33	3.98	0	
1	-11	-4	1		39.74	40.39	-40.37	-1.35	.41847	-.65	-1.67	182	
1	-11	-3	1		8.78	10.81	-10.80	.37	.36568	-2.03	-3.63	178	
1	-11	-2	1		117.19	124.03	-124.01	-2.33	.32429	-6.84	-10.44	182	
1	-11	-1	1		41.58	45.85	-45.85	.07	.29909	-4.27	-10.57	179	
1	-11	0	1		44.58	46.67	-46.64	-1.49	.29424	-2.09	-5.33	182	
1	-11	1	1		63.06	63.33	-63.33	-.20	.31072	-.27	-.41	181	
1	-11	2	1		84.12	79.73	-79.70	-2.11	.34547	4.39	6.36	182	
1	-11	3	1		53.03	49.05	49.05	.43	.39370	3.98	7.02	0	
1	-11	4	1		126.61	122.12	-122.10	-2.37	.45109	4.49	5.53	182	
1	-11	5	1		8.79	5.76	5.76	.08	.51460	3.03	3.89	0	
1	-11	6	1		35.97	36.48	-36.45	-1.52	.58222	-.51	-1.27	183	
1	-11	7	1		48.42	48.56	-48.56	-.53	.65268	-.15	-.29	181	
1	-10	-8	1	L	3.62	2.46	2.44	-.33	.67341	1.16	.45	353	
1	-10	-7	1		9.00	10.20	10.20	.11	.60073	-1.20	-1.30	0	
1	-10	-6	1		15.84	15.58	-15.57	-.39	.53020	.26	.53	182	
1	-10	-5	1	L	3.12	5.65	5.65	.03	.46280	-2.54	-1.40	0	
1	-10	-4	1	L	2.62	.74	.73	-.15	.40013	1.88	1.00	349	
1	-10	-3	1	L	4.20	3.02	3.02	-.07	.34476	1.18	1.16	359	
1	-10	-2	1		11.52	15.37	15.37	.06	.30076	-3.85	-9.97	0	
1	-10	-1	1		6.93	4.86	-4.86	-.10	.27366	2.07	3.79	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	-10	0	1		34.26	37.26	37.26	.41	.26864	-3.00	-8.64	0	
1	-10	1	1		8.29	6.09	-6.09	-.16	.28686	2.21	4.43	182	
1	-10	2	1	L	4.84	3.97	3.94	.51	.32442	.87	.94	7	
1	-10	3	1	L	4.10	.80	.79	-.13	.37556	3.30	2.75	351	
1	-10	4	1		23.49	22.80	22.78	.80	.43552	.69	2.01	2	
1	-10	5	1		12.34	10.90	10.90	-.01	.50116	1.44	2.54	0	
1	-10	6	1		28.56	27.38	27.36	.96	.57051	1.18	3.22	2	
1	-10	7	1		17.12	15.92	-15.91	-.30	.64237	1.21	2.09	182	
1	-9	-8	1		34.29	34.27	34.24	1.33	.66276	.03	.06	2	
1	-9	-7	1		33.84	34.51	34.51	.23	.58890	-.67	-1.82	0	
1	-9	-6	1		60.01	61.37	61.35	1.73	.51691	-1.36	-2.47	1	
1	-9	-5	1		24.08	23.61	-23.60	-.31	.44768	.47	1.48	181	
1	-9	-4	1		34.34	35.62	35.58	1.77	.38274	-1.29	-3.71	2	
1	-9	-3	1		8.79	9.95	9.95	-.04	.32465	-1.16	-2.40	0	
1	-9	-2	1		104.70	110.81	110.78	2.67	.27775	-6.12	-10.29	1	
1	-9	-1	1		38.54	38.74	-38.74	-.25	.24846	-.20	-.55	181	
1	-9	0	1		83.08	83.66	83.64	1.85	.24324	-.58	-1.03	1	
1	-9	1	1		10.04	5.41	-5.41	-.06	.26350	4.64	11.92	181	
1	-9	2	1		130.88	125.93	125.90	2.76	.30421	4.96	7.90	1	
1	-9	3	1		61.69	59.53	59.53	.38	.35846	2.16	4.19	0	
1	-9	4	1		31.07	30.21	30.16	1.66	.42105	.86	2.34	3	
1	-9	5	1		35.46	33.84	-33.84	-.33	.48879	1.62	4.07	181	
1	-9	6	1		50.28	49.94	49.91	1.85	.55981	.33	.71	2	
1	-9	7	1		17.90	19.70	19.69	.45	.63300	-1.80	-3.19	1	
1	-8	-8	1		10.51	10.12	10.11	.52	.65302	.39	.46	2	
1	-8	-7	1	L	4.79	.61	-.61	-.01	.57805	4.18	2.79	181	
1	-8	-6	1		10.18	9.79	9.78	.36	.50466	.39	.60	2	
1	-8	-5	1	L	4.46	2.16	2.16	.03	.43366	2.30	1.99	0	
1	-8	-4	1		13.88	14.67	14.67	.21	.36644	-.80	-2.11	0	
1	-8	-3	1	L	3.27	5.18	-5.18	.02	.30551	-1.91	-1.63	179	
1	-8	-2	1		17.57	19.91	-19.91	-.10	.25542	-2.34	-9.70	181	
1	-8	-1	1	L	2.08	.40	-.40	.05	.22356	1.68	1.13	173	
1	-8	0	1		24.51	26.47	-26.46	-.38	.21808	-1.96	-7.14	181	
1	-8	1	1		17.72	17.45	-17.45	.03	.24079	.27	1.05	179	
1	-8	2	1		16.50	14.05	-14.04	-.56	.28503	2.45	8.21	183	
1	-8	3	1		21.51	21.61	21.61	.19	.34256	-.10	-.33	0	
1	-8	4	1		36.67	35.45	-35.44	-.89	.40778	1.22	3.02	182	
1	-8	5	1	L	3.61	5.56	5.56	.08	.47756	-1.95	-1.12	0	
1	-8	6	1		23.10	22.35	-22.34	-.81	.55017	.75	1.86	183	
1	-8	7	1		11.41	11.18	-11.18	.01	.62462	.23	.29	179	
1	-8	8	1		14.33	13.26	-13.23	-.79	.70033	1.07	1.45	184	
1	-7	-8	1		8.47	10.11	-10.02	-1.39	.64423	-1.65	-1.57	188	
1	-7	-7	1		42.57	42.39	42.39	.55	.56822	.18	.44	0	
1	-7	-6	1		89.79	91.81	-91.78	-2.29	.49353	-2.02	-2.31	182	
1	-7	-5	1		7.39	7.75	-7.75	.12	.42083	-.36	-.50	179	
1	-7	-4	1		30.40	31.97	-31.89	-2.33	.35139	-1.57	-5.01	185	
1	-7	-3	1		14.37	10.24	10.24	-.21	.28755	4.13	14.27	359	
1	-7	-2	1		135.93	138.31	-138.30	-1.83	.23396	-2.38	-4.43	181	
1	-7	-1	1		27.62	32.65	-32.65	-.18	.19907	-5.02	-16.50	181	
1	-7	0	1		167.98	177.19	-177.16	-2.96	.19329	-9.20	-19.07	181	
1	-7	1	1		65.10	63.12	63.12	.43	.21894	1.99	3.68	0	
1	-7	2	1		54.29	53.35	-53.31	-1.98	.26711	.95	1.53	183	
1	-7	3	1		13.54	15.99	-15.98	-.23	.32802	-2.45	-6.66	181	
1	-7	4	1		15.06	14.92	-14.85	-1.40	.39584	.14	.36	186	
1	-7	5	1		59.31	58.35	-58.34	-.45	.46757	.96	1.53	181	
1	-7	6	1		49.63	49.26	-49.23	-1.54	.54166	.37	.73	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	-7	7	1		37.60	36.74	36.74	.26	.61726	.86	2.05	0	
1	-7	8	1		48.28	48.24	-48.22	-1.18	.69388	.05	.10	182	
1	-6	-8	1		17.67	16.63	-16.62	-.58	.63641	1.04	1.91	132	
1	-6	-7	1	L	3.89	2.84	-2.84	-.02	.55948	1.05	.57	181	
1	-6	-6	1		11.32	11.48	-11.47	-.39	.48359	-.16	-.28	182	
1	-6	-5	1	L	3.60	.67	-.67	.02	.40932	2.94	2.13	178	
1	-6	-4	1		13.45	13.95	-13.95	-.17	.33774	-.50	-1.39	181	
1	-6	-3	1	L	2.14	2.10	-2.10	-.00	.27098	.04	.03	181	
1	-6	-2	1		28.10	29.65	29.65	.15	.21362	-1.55	-5.04	0	
1	-6	-1	1	L	2.65	1.63	-1.63	-.04	.17515	1.02	.97	182	
1	-6	0	1	L	2.12	6.52	6.51	.30	.16901	-4.40	-2.90	2	
1	-6	1	1		7.22	7.11	-7.11	-.05	.19821	.11	.26	181	
1	-6	2	1	L	2.20	.54	-.10	.53	.25070	1.66	1.06	100	
1	-6	3	1		7.48	6.74	6.74	.03	.31505	.74	1.28	0	
1	-6	4	1		12.62	11.03	11.01	.58	.38536	1.59	3.56	3	
1	-6	5	1		11.07	13.55	-13.55	-.13	.45890	-2.48	-4.21	181	
1	-6	6	1		25.81	24.07	24.06	.73	.53433	1.73	4.60	1	
1	-6	7	1		7.59	.91	-.91	.01	.61096	6.67	6.32	179	
1	-6	8	1		12.63	11.32	11.31	.57	.68839	1.31	1.64	2	
1	-5	-8	1		71.83	74.24	74.21	2.02	.62961	-2.41	-3.87	1	
1	-5	-7	1		8.46	5.45	-5.45	-.13	.55187	3.01	3.62	182	
1	-5	-6	1		51.95	54.70	54.68	1.68	.47493	-2.75	-5.27	1	
1	-5	-5	1		62.95	66.78	66.78	.67	.39924	-3.83	-7.05	0	
1	-5	-4	1		90.94	94.88	94.85	2.36	.32568	-3.94	-6.02	1	
1	-5	-3	1		17.53	16.71	16.71	-.42	.25609	.82	3.43	359	
1	-5	-2	1		88.50	91.05	91.03	2.02	.19477	-2.55	-5.16	1	
1	-5	-1	1		10.76	10.13	-10.13	-.03	.15209	.63	2.41	181	
1	-5	0	1		131.10	134.97	134.95	2.06	.14549	-3.87	-9.22	0	
1	-5	1	1		147.71	146.78	146.78	.75	.17901	.92	1.99	0	
1	-5	2	1		102.06	91.16	91.15	1.09	.23614	10.90	19.98	0	
1	-5	3	1		58.66	52.00	-52.00	-.40	.30384	6.65	14.33	181	
1	-5	4	1		151.02	142.88	142.86	2.04	.37645	8.14	11.39	0	
1	-5	5	1		14.34	13.33	13.33	.17	.45161	1.01	2.18	0	
1	-5	6	1		14.30	10.27	-10.26	.40	.52823	4.03	7.56	177	
1	-5	7	1		15.84	17.15	17.15	.09	.60576	-1.31	-2.24	0	
1	-5	8	1	L	6.87	6.61	-6.61	.16	.68389	.26	.18	178	
1	-4	-9	1	L	3.70	5.95	5.95	.08	.70267	-2.24	-.87	0	
1	-4	-8	1	L	5.46	3.03	3.01	.41	.62386	2.43	1.57	7	
1	-4	-7	1	L	3.75	4.27	4.27	-.03	.54544	-.52	-.29	0	
1	-4	-6	1		24.00	26.28	26.28	.41	.46761	-2.29	-6.89	0	
1	-4	-5	1		6.05	4.15	-4.15	-.06	.39069	1.90	2.40	181	
1	-4	-4	1		12.30	13.88	13.87	.14	.31539	-1.57	-4.50	0	
1	-4	-3	1		7.39	8.48	8.48	.01	.24318	-1.09	-2.49	0	
1	-4	-2	1		24.25	22.71	-22.71	-.13	.17788	1.54	5.51	181	
1	-4	-1	1	L	1.75	2.94	2.94	-.01	.13034	-1.19	-.95	0	
1	-4	0	1		15.70	14.02	-14.02	-.27	.12319	1.68	6.54	182	
1	-4	1	1		9.18	9.76	9.76	.03	.16188	-.57	-1.80	0	
1	-4	2	1		13.41	15.56	15.55	-.36	.22377	-2.15	-7.84	359	
1	-4	3	1		5.15	3.31	3.31	-.01	.29458	1.84	2.32	0	
1	-4	4	1		7.54	7.90	7.90	-.27	.36923	-.36	-.53	359	
1	-4	5	1	L	5.02	6.04	6.04	.00	.44578	-1.02	-.88	0	
1	-4	6	1		13.98	12.29	-12.28	-.37	.52340	1.69	3.07	182	
1	-4	7	1	L	4.53	4.72	4.72	.02	.60168	-.19	-.11	0	
1	-4	8	1		8.61	5.52	-5.51	-.28	.68038	3.09	2.76	183	
1	-3	-9	1		22.49	20.88	20.88	.37	.69842	1.61	3.04	1	
1	-3	-8	1		68.01	68.09	-68.07	-1.72	.61919	-.08	-.13	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	-3	-7	1		26.74	27.45	-27.44	-.46	.54024	-.71	-1.97	181	
1	-3	-6	1		36.78	38.40	-38.36	-1.66	.46169	-1.62	-4.33	183	
1	-3	-5	1		28.31	28.20	28.19	.21	.38379	.11	.39	0	
1	-3	-4	1		9.01	10.35	-10.28	-1.24	.30704	-1.34	-3.03	187	
1	-3	-3	1		39.53	43.07	-43.07	-.29	.23257	-3.54	-8.63	181	
1	-3	-2	1		175.48	180.94	-180.93	-1.90	.16355	-5.46	-12.41	181	
1	-3	-1	1		17.96	20.63	-20.63	-.08	.11067	-2.67	-11.65	181	
1	-3	0	1		14.91	13.84	-13.82	-.83	.10289	1.07	4.66	184	
1	-3	1	1		35.00	32.31	32.31	.09	.14753	2.69	7.82	0	
1	-3	2	1		29.59	28.36	-28.34	-.92	.21398	1.23	3.99	182	
1	-3	3	1		21.20	20.87	-20.87	-.16	.28748	.33	1.25	181	
1	-3	4	1		7.09	2.26	-2.26	-.20	.36379	4.83	6.99	186	
1	-3	5	1		8.32	3.21	-3.21	-.04	.44146	5.12	6.98	181	
1	-3	6	1		9.56	4.25	4.25	-.13	.51987	5.32	7.44	359	
1	-3	7	1	L	5.74	5.09	5.09	.04	.59874	.66	.47	0	
1	-3	8	1		29.09	29.38	-29.38	-.02	.67790	-.29	-.65	181	
1	-2	-9	1	L	3.60	3.20	-3.20	-.00	.69515	.40	.15	181	
1	-2	-8	1		14.51	17.08	-17.07	-.42	.61563	-2.57	-4.16	182	
1	-2	-7	1	L	3.97	.57	-.57	.06	.53629	3.39	2.00	174	
1	-2	-6	1		15.07	15.64	-15.64	-.17	.45723	-.57	-1.30	181	
1	-2	-5	1		10.24	11.24	-11.24	-.05	.37862	-1.00	-2.03	181	
1	-2	-4	1		11.33	13.24	-13.24	-.08	.30080	-1.91	-5.41	181	
1	-2	-3	1	L	3.79	4.61	-4.61	.05	.22461	-.82	-1.15	179	
1	-2	-2	1		16.54	15.55	15.55	.09	.15251	.99	4.38	0	
1	-2	-1	1		8.77	8.46	-8.46	.03	.09439	.31	1.46	179	
1	-2	0	1	L	2.88	2.06	-2.06	.15	.08603	.82	1.43	175	
1	-2	1	1		7.21	2.12	2.12	.07	.13686	5.09	14.55	1	
1	-2	2	1		21.62	24.54	-24.54	.04	.20713	-2.92	-11.00	179	
1	-2	3	1		22.96	24.04	-24.04	-.06	.28269	-1.09	-4.19	181	
1	-2	4	1		10.32	7.19	7.19	.19	.36023	3.13	6.29	1	
1	-2	5	1	L	5.73	.69	.69	.02	.43870	5.05	5.04	1	
1	-2	6	1	L	4.54	2.11	-2.10	-.08	.51768	2.44	1.67	183	
1	-2	7	1	L	3.30	.50	-.50	.01	.59696	2.80	1.19	178	
1	-2	8	1		20.42	23.09	-23.09	-.31	.67644	-2.68	-4.85	181	
1	-1	-9	1		9.80	11.00	11.00	.27	.69288	-1.21	-1.21	1	
1	-1	-8	1		11.60	9.60	-9.58	.66	.61319	2.00	2.69	176	
1	-1	-7	1		42.69	40.56	40.56	.41	.53363	2.13	5.47	0	
1	-1	-6	1		64.18	59.74	59.72	1.46	.45428	4.44	7.35	1	
1	-1	-5	1		80.41	77.11	-77.11	-.60	.37524	3.30	4.52	181	
1	-1	-4	1		46.99	42.56	42.56	.72	.29680	4.42	9.52	0	
1	-1	-3	1		14.44	9.92	-9.92	.44	.21957	4.52	18.95	177	
1	-1	-2	1		31.33	27.97	-27.97	.29	.14551	3.36	10.05	179	
1	-1	-1	1		16.71	17.88	17.88	.14	.08351	-1.17	-5.23	0	
1	-1	0	1		46.67	46.63	-46.63	-.08	.07494	.04	.13	181	
1	-1	1	1		106.79	109.07	-109.07	-.49	.13076	-2.28	-5.76	181	
1	-1	2	1		93.99	90.21	90.20	.59	.20352	3.78	7.51	0	
1	-1	3	1		116.31	110.80	110.80	.49	.28033	5.52	9.19	0	
1	-1	4	1		141.07	131.58	-131.58	-1.27	.35859	9.49	13.68	181	
1	-1	5	1		56.08	54.53	-54.53	-.27	.43753	1.55	3.15	181	
1	-1	6	1	L	5.98	.65	.45	-.46	.51683	5.33	4.79	315	
1	-1	7	1	L	3.33	2.17	2.17	.09	.59635	1.16	.49	2	
1	-1	8	1	L	4.57	1.87	1.80	-.51	.67602	2.69	1.32	345	
1	0	-9	1	L	4.68	2.25	2.25	-.03	.69162	2.43	1.23	0	
1	0	-8	1		9.94	8.37	8.37	.17	.61189	1.57	1.86	1	
1	0	-7	1	L	4.55	6.48	6.48	.02	.53228	-1.94	-1.36	0	
1	0	-6	1		19.28	18.96	18.96	.09	.45285	.33	.90	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	0	-5	1		8.04	6.27	6.27	-.02	.37372	1.77	2.99	0	
1	0	-4	1		8.18	5.83	5.83	-.04	.29513	2.34	5.11	0	
1	0	-3	1	L	1.92	3.10	3.10	-.03	.21766	-1.19	-.86	0	
1	0	-2	1		23.14	17.90	-17.90	-.09	.14314	5.24	22.29	181	
1	0	-1	1		7.21	11.63	11.63	-.02	.08026	-4.41	-19.26	0	
1	0	0	1		9.62	13.06	13.06	-.01	.07236	-3.44	-16.05	0	
1	0	1	1		9.59	10.53	10.53	-.02	.12988	-.94	-3.58	0	
1	0	2	1		49.02	50.04	50.04	.17	.20333	-1.01	-1.91	0	
1	0	3	1		6.35	4.13	4.13	-.03	.28046	2.22	3.82	0	
1	0	4	1		10.69	8.89	8.89	.24	.35891	1.79	3.79	1	
1	0	5	1		6.78	6.85	6.85	-.03	.43796	-.07	-.08	0	
1	0	6	1		14.35	14.49	14.48	.39	.51734	-.14	-.27	1	
1	0	7	1	L	6.28	8.05	8.05	.08	.59692	-1.78	-1.37	0	
1	0	8	1		12.96	12.20	12.19	.50	.67663	.77	1.00	2	
1	1	-9	1		25.08	24.22	-24.21	-.30	.69137	.86	1.80	181	
1	1	-8	1		68.01	64.44	-64.43	-.85	.61173	3.57	5.84	181	
1	1	-7	1		66.39	63.59	63.59	.54	.53224	2.80	4.12	0	
1	1	-6	1		66.36	62.16	62.16	.39	.45298	4.20	7.03	0	
1	1	-5	1		107.23	105.46	-105.46	-.84	.37407	1.77	2.46	181	
1	1	-4	1		8.53	.34	-.33	.06	.29583	8.19	17.74	169	
1	1	-3	1		14.16	10.57	-10.56	.33	.21895	3.59	15.27	178	
1	1	-2	1		25.84	25.62	-25.62	.31	.14562	.22	.78	179	
1	1	-1	1		34.82	39.69	39.69	.19	.08551	-4.87	-14.05	0	
1	1	0	1		8.20	4.09	-4.04	.64	.07910	4.11	18.67	170	
1	1	1	1		100.41	106.58	-106.58	-.51	.13432	-6.17	-15.39	181	
1	1	2	1		41.94	49.58	49.55	1.73	.20656	-7.65	-19.81	1	
1	1	3	1		94.79	93.83	93.83	.37	.28308	.96	1.57	0	
1	1	4	1		14.26	14.93	14.91	.70	.36117	-.67	-1.76	2	
1	1	5	1		24.34	24.00	-24.00	.18	.43999	.33	1.03	179	
1	1	6	1		17.11	15.19	15.14	1.21	.51921	1.92	4.33	4	
1	1	7	1		20.51	18.57	-18.57	-.17	.59867	1.95	4.17	181	
1	1	8	1		60.45	62.21	62.19	1.58	.67828	-1.76	-3.28	1	
1	2	-9	1	L	3.63	3.53	-3.53	-.02	.69214	.10	.04	181	
1	2	-8	1		9.51	6.28	6.28	.18	.61272	3.23	3.59	1	
1	2	-7	1		14.81	15.60	-15.60	-.12	.53352	-.80	-1.55	181	
1	2	-6	1		12.48	14.53	-14.53	.06	.45464	-2.05	-4.07	179	
1	2	-5	1		10.85	8.72	8.72	.10	.37630	2.13	4.49	0	
1	2	-4	1	L	4.04	5.03	-5.02	.12	.29889	-.99	-1.12	178	
1	2	-3	1		5.66	6.64	-6.64	-.02	.22341	-.98	-1.99	181	
1	2	-2	1		13.49	12.92	12.92	.06	.15273	.57	2.50	0	
1	2	-1	1		6.38	7.86	-7.86	.02	.09790	-1.48	-5.16	179	
1	2	0	1		17.85	22.85	-22.85	-.13	.09317	-5.01	-21.56	181	
1	2	1	1		9.58	13.51	-13.51	-.01	.14359	-3.92	-13.84	181	
1	2	2	1		40.48	44.66	-44.66	-.29	.21306	-4.18	-10.19	181	
1	2	3	1	L	2.96	2.34	-2.34	.04	.28812	.62	.49	179	
1	2	4	1		23.55	24.83	-24.82	-.58	.36534	-1.28	-4.51	182	
1	2	5	1		9.48	10.30	-10.30	.01	.44359	-.82	-1.30	179	
1	2	6	1		20.70	21.49	-21.48	-.67	.52241	-.79	-1.94	182	
1	2	7	1		8.53	1.45	-1.44	.04	.60157	7.08	7.53	178	
1	2	8	1		16.36	16.47	-16.45	-.72	.68096	-.11	-.17	183	
1	3	-9	1		9.77	.05	.04	.03	.69391	9.71	9.88	37	
1	3	-8	1	L	5.70	6.58	-6.58	-.29	.61485	-.88	-.62	183	
1	3	-7	1		16.47	17.80	-17.80	-.18	.53611	-1.33	-2.78	181	
1	3	-6	1		24.71	25.09	-25.08	-.78	.45784	-.38	-1.18	182	
1	3	-5	1		38.81	38.99	38.99	.28	.38035	-.18	-.44	0	
1	3	-4	1		15.20	17.63	-17.61	-.89	.30423	-2.43	-8.40	183	

H	K	L	GRP		FO	FC	A	B	SINTH/LH	DF	W*DF	ANGLE CALC	ANGLE STAT
1	3	-3	1		43.64	46.01	-46.01	-.24	.23083	-2.38	-5.92	181	
1	3	-2	1		185.77	185.09	-185.07	-1.95	.16386	.69	1.56	181	
1	3	-1	1		10.31	7.55	7.55	.05	.11515	2.77	12.92	0	
1	3	0	1		5.64	3.74	3.53	-1.23	.11184	1.91	5.14	341	
1	3	1	1		8.12	5.63	5.63	.00	.15684	2.49	7.25	0	
1	3	2	1		73.14	78.29	-78.26	-2.03	.22255	-5.15	-9.55	182	
1	3	3	1	L	2.71	3.27	-3.26	-.23	.29546	-.55	-.39	185	
1	3	4	1		85.25	89.62	-89.60	-1.72	.37136	-4.37	-6.07	182	
1	3	5	1		15.80	13.31	13.31	.35	.44873	2.49	5.99	1	
1	3	6	1		46.58	48.19	-48.16	-1.85	.52692	-1.62	-3.53	183	
1	3	7	1		44.68	45.47	-45.47	-.63	.60562	-.80	-1.95	181	
1	3	8	1		21.27	21.97	-21.94	-1.17	.68465	-.70	-1.30	184	
1	4	-9	1		8.30	4.09	4.09	.05	.69669	4.21	3.64	0	
1	4	-8	1		9.23	8.89	8.89	-.23	.61811	.34	.38	359	
1	4	-7	1	L	5.30	3.61	3.61	.00	.53998	1.69	1.33	0	
1	4	-6	1		9.57	4.50	-4.49	-.34	.46254	5.06	8.39	185	
1	4	-5	1		12.05	12.18	12.18	.10	.38618	-.12	-.27	0	
1	4	-4	1		5.67	4.72	-4.71	-.22	.31173	.95	1.41	183	
1	4	-3	1	L	2.03	3.86	3.86	-.00	.24095	-1.83	-1.26	0	
1	4	-2	1		18.00	16.12	-16.12	-.04	.17826	1.88	6.63	181	
1	4	-1	1		13.94	15.86	15.86	.03	.13542	-1.92	-8.85	0	
1	4	0	1		27.11	31.52	31.52	.24	.13319	-4.41	-15.22	0	
1	4	1	1		5.95	3.16	-3.16	-.03	.17314	2.80	5.62	181	
1	4	2	1		45.50	49.91	49.91	.53	.23465	-4.40	-10.74	0	
1	4	3	1		9.02	10.42	10.42	-.01	.30493	-1.40	-3.04	0	
1	4	4	1		12.26	13.55	13.53	.61	.37913	-1.29	-2.83	2	
1	4	5	1	L	5.84	2.85	2.85	.05	.45535	2.98	3.02	1	
1	4	6	1		17.42	18.89	18.87	.78	.53272	-1.47	-3.10	2	
1	4	7	1	L	5.87	3.80	-3.80	-.12	.61079	2.08	1.46	182	
1	4	8	1		31.64	32.63	32.62	1.01	.68934	-.99	-2.27	1	
1	5	-9	1		14.88	14.09	14.09	.23	.70046	.79	1.13	0	
1	5	-8	1		77.09	81.60	81.59	1.57	.62248	-4.51	-5.96	1	
1	5	-7	1		41.18	40.92	-40.91	-.57	.54512	.26	.59	181	
1	5	-6	1		10.63	11.37	11.31	1.11	.46868	-.74	-1.27	5	
1	5	-5	1		126.02	133.32	133.32	.98	.39372	-7.30	-9.88	0	
1	5	-4	1		86.34	90.38	90.36	1.93	.32125	-4.04	-6.12	1	
1	5	-3	1		13.36	14.01	-14.01	-.34	.25345	-.65	-2.31	182	
1	5	-2	1		97.71	92.79	92.77	2.06	.19521	4.92	10.07	1	
1	5	-1	1		51.18	46.74	-46.73	-.29	.15754	4.44	9.63	181	
1	5	0	1		201.91	205.64	205.62	2.67	.15611	-3.72	-8.70	0	
1	5	1	1		78.60	87.81	87.81	.50	.19174	-9.21	-18.62	0	
1	5	2	1		103.07	105.10	105.09	1.75	.24899	-2.03	-3.61	0	
1	5	3	1	L	2.41	1.13	1.13	-.07	.31634	1.29	.75	357	
1	5	4	1		109.98	115.14	115.11	2.46	.38856	-5.16	-7.04	1	
1	5	5	1		16.91	19.33	19.33	-.04	.46339	-2.42	-5.85	0	
1	5	6	1		40.01	42.81	42.78	1.70	.53975	-2.80	-7.21	2	
1	5	7	1	L	6.48	1.09	1.09	.02	.61706	5.38	4.32	1	
1	5	8	1		21.05	23.79	23.76	1.21	.69501	-2.75	-5.03	2	
1	6	-8	1		10.54	8.75	8.73	.52	.62794	1.79	2.27	3	
1	6	-7	1	L	6.04	5.66	5.66	.03	.55148	.39	.33	0	
1	6	-6	1		8.53	5.70	5.68	.43	.47622	2.83	4.02	4	
1	6	-5	1		11.21	10.96	-10.96	-.13	.40285	.25	.52	181	
1	6	-4	1	L	2.39	.70	.67	.21	.33262	1.68	.99	16	
1	6	-3	1		4.66	4.48	-4.48	-.05	.26798	.18	.26	181	
1	6	-2	1		27.71	26.46	26.46	.08	.21410	1.25	4.02	0	
1	6	-1	1		6.66	6.06	-6.06	-.04	.18084	.59	1.41	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	6	0	1		24.15	26.29	-26.29	-.28	.16002	-2.15	-6.84	181	
1	6	1	1	L	2.06	3.13	-3.13	-.02	.21201	-1.07	-.73	181	
1	6	2	1		34.27	36.92	-36.92	-.56	.26521	-2.65	-7.91	181	
1	6	3	1	L	3.15	1.32	-1.32	-.00	.32948	1.83	1.39	181	
1	6	4	1		24.89	25.12	-25.11	-.73	.39953	-.23	-.77	182	
1	6	5	1		6.30	6.37	6.36	.10	.47279	-.06	-.07	0	
1	6	6	1		15.43	17.12	-17.10	-.84	.54797	-1.69	-3.17	183	
1	6	7	1		9.46	8.90	-8.90	-.05	.62439	.56	.62	181	
1	6	8	1		17.05	17.09	-17.07	-.80	.70163	-.03	-.05	183	
1	7	-8	1	L	3.83	4.26	-4.09	-1.18	.63445	-.43	-.20	197	
1	7	-7	1	L	5.82	2.71	-2.71	-.14	.55902	3.11	2.68	184	
1	7	-6	1		76.56	80.74	-80.72	-2.05	.48509	-4.18	-6.80	182	
1	7	-5	1		45.35	44.91	44.91	.32	.41349	.44	1.06	0	
1	7	-4	1		112.20	112.46	-112.42	-2.78	.34564	-.26	-.38	182	
1	7	-3	1		7.56	3.75	3.75	.04	.28425	3.82	7.96	0	
1	7	-2	1		156.89	142.68	-142.67	-1.88	.23447	14.21	26.62	181	
1	7	-1	1		90.05	91.37	-91.37	-.54	.20491	-1.32	-2.60	181	
1	7	0	1		57.83	45.35	45.28	-2.50	.20456	12.48	23.92	357	
1	7	1	1		32.16	33.51	33.50	.44	.23354	-1.35	-4.25	0	
1	7	2	1		139.53	143.42	-143.40	-2.38	.28298	-3.89	-6.48	181	
1	7	3	1		49.58	50.55	50.55	.45	.34417	-.97	-2.29	0	
1	7	4	1		65.37	67.01	-68.98	-1.96	.41191	-3.64	-6.49	182	
1	7	5	1		62.88	65.53	-65.52	-.75	.48345	-2.86	-5.55	181	
1	7	6	1		15.97	18.16	-18.12	-1.20	.55733	-2.20	-4.19	184	
1	7	7	1		47.26	45.83	45.83	.64	.63274	1.42	3.42	0	
1	8	-8	1		22.04	22.95	-22.94	-.72	.64199	-.91	-1.86	182	
1	8	-7	1		12.37	13.43	13.42	.23	.56770	-1.06	-1.69	1	
1	8	-6	1	L	4.48	2.73	-2.70	-.44	.49522	1.75	1.22	190	
1	8	-5	1		17.07	18.15	-18.15	.00	.42550	-1.07	-2.85	179	
1	8	-4	1		16.87	16.22	-16.22	-.28	.36014	.65	1.94	181	
1	8	-3	1	L	4.18	1.03	-1.02	.09	.30197	3.15	3.57	175	
1	8	-2	1		15.16	16.20	-16.20	-.02	.25595	-1.04	-3.91	181	
1	8	-1	1		6.92	5.67	5.67	.08	.22952	1.25	2.63	0	
1	8	0	1		21.64	22.79	22.79	.30	.22953	-1.15	-4.19	0	
1	8	1	1		8.54	8.66	8.66	.05	.25599	-.12	-.28	0	
1	8	2	1		20.81	22.57	22.56	.49	.30203	-1.76	-6.26	1	
1	8	3	1	L	5.35	5.54	-5.54	-.01	.36020	-.19	-.21	181	
1	8	4	1		11.93	12.51	12.49	.64	.42558	-.58	-1.12	2	
1	8	5	1	L	3.01	.62	-.61	-.09	.49530	2.39	1.11	189	
1	8	6	1		16.52	17.19	17.18	.74	.56778	-.68	-1.30	2	
1	8	7	1		8.26	5.23	-5.23	-.07	.64207	3.02	2.89	181	
1	9	-8	1		42.57	45.57	45.53	1.81	.65053	-3.00	-6.85	2	
1	9	-7	1		41.22	44.09	44.08	.52	.57746	-2.86	-6.73	0	
1	9	-6	1		74.49	77.37	77.34	2.36	.50654	-2.88	-4.47	1	
1	9	-5	1		31.86	29.55	-29.55	-.33	.43879	2.31	6.65	181	
1	9	-4	1		58.66	58.55	58.52	1.92	.37595	.11	.20	1	
1	9	-3	1		9.97	10.39	10.39	.12	.32089	-.42	-.98	0	
1	9	-2	1		121.67	116.41	116.38	2.76	.27830	5.26	8.85	1	
1	9	-1	1		40.65	37.13	-37.13	-.38	.25450	3.52	9.57	181	
1	9	0	1		30.01	33.14	33.09	1.78	.25481	-3.13	-10.29	3	
1	9	1	1		5.46	6.54	6.54	-.04	.27915	-1.07	-1.58	0	
1	9	2	1		119.76	124.24	124.22	2.13	.32213	-4.48	-6.88	0	
1	9	3	1		41.51	44.17	44.17	.14	.37742	-2.65	-6.47	0	
1	9	4	1		27.82	28.53	28.50	1.37	.44041	-.71	-2.32	2	
1	9	5	1		52.89	51.40	-51.40	-.65	.50826	1.48	3.13	181	
1	9	6	1		32.51	34.31	34.29	1.26	.57925	-1.80	-5.06	2	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	9	7	1		17.41	18.83	18.82	.13	.65235	-1.41	-2.38	0	
1	10	-8	1		12.44	9.44	9.43	.57	.66001	3.00	3.95	3	
1	10	-7	1	L	3.22	2.00	-2.00	-.16	.58826	1.22	.53	185	
1	10	-6	1		12.51	14.37	14.37	.45	.51896	-1.87	-3.24	1	
1	10	-5	1		8.31	6.73	-6.72	-.14	.45324	1.59	2.24	182	
1	10	-4	1		17.40	18.32	18.31	.32	.39291	-.91	-2.57	0	
1	10	-3	1		7.12	3.57	-3.57	-.15	.34083	3.55	5.85	183	
1	10	-2	1		5.46	8.19	8.19	-.05	.30132	-2.73	-3.74	0	
1	10	-1	1		6.38	6.50	6.50	-.05	.27976	-.12	-.20	0	
1	10	0	1	L	3.86	2.05	-2.04	-.20	.28031	1.80	1.91	186	
1	10	1	1	L	4.76	7.11	7.11	.01	.30286	-2.35	-2.73	0	
1	10	2	1		31.26	31.51	-31.51	-.48	.34310	-.25	-.73	181	
1	10	3	1	L	4.24	6.41	6.41	.05	.39566	-2.17	-1.73	0	
1	10	4	1		6.11	1.94	1.89	-.44	.45631	4.17	4.11	347	
1	10	5	1	L	3.04	4.00	-4.00	-.02	.52223	-.95	-.44	181	
1	10	6	1		7.81	6.02	-6.00	-.41	.59168	1.79	1.78	184	
1	10	7	1		10.17	11.61	11.60	.20	.66353	-1.44	-1.54	0	
1	11	-8	1		77.88	83.13	-83.11	-2.17	.67041	-5.26	-6.60	182	
1	11	-7	1		19.81	19.35	19.35	.28	.60003	.46	.96	0	
1	11	-6	1		23.07	23.33	-23.26	-1.84	.53241	-.26	-.70	185	
1	11	-5	1		58.27	59.84	-59.84	-.20	.46874	-1.57	-3.06	181	
1	11	-4	1		64.75	63.87	-63.85	-1.58	.41087	.87	1.58	182	
1	11	-3	1		28.98	29.17	-29.17	-.06	.36161	-.19	-.57	181	
1	11	-2	1		133.22	126.24	-126.22	-2.37	.32487	6.98	10.71	182	
1	11	-1	1		50.95	48.67	48.67	.60	.30522	2.28	4.73	0	
1	11	0	1		89.20	87.98	-87.96	-1.42	.30598	1.22	1.92	181	
1	11	1	1	L	2.45	.37	-.32	.18	.32700	2.08	1.19	149	
1	11	2	1		37.86	41.28	-41.27	-1.22	.36479	-3.42	-9.22	182	
1	11	3	1		37.01	39.70	-39.70	-.08	.41479	-2.68	-7.24	181	
1	11	4	1		28.54	29.30	-29.29	-.74	.47315	-.76	-2.31	182	
1	11	5	1		21.86	22.08	22.07	.65	.53716	-.22	-.52	1	
1	11	6	1		29.69	30.75	-30.74	-.76	.60501	-1.05	-2.69	182	
1	11	7	1		28.51	29.58	-29.58	-.20	.67556	-1.07	-2.40	181	
1	12	-8	1		10.76	15.02	-15.01	-.56	.68168	-4.26	-4.58	183	
1	12	-7	1	L	3.31	2.74	-2.73	.09	.61272	.58	.24	178	
1	12	-6	1		11.44	12.54	-12.53	-.37	.54681	-1.10	-1.76	182	
1	12	-5	1	L	3.18	1.07	-1.06	.15	.48519	2.11	1.10	172	
1	12	-4	1		14.08	13.91	-13.91	-.16	.42972	.17	.39	181	
1	12	-3	1	L	3.17	5.69	-5.69	.09	.38309	-2.52	-1.65	179	
1	12	-2	1		21.79	22.51	-22.51	-.03	.34884	-.72	-2.53	181	
1	12	-1	1		8.71	7.77	7.77	.09	.33085	.94	1.67	0	
1	12	0	1		16.17	13.09	13.09	.22	.33178	3.08	9.27	0	
1	12	1	1	L	4.18	8.62	-8.62	.00	.35147	-4.44	-3.81	179	
1	12	2	1		11.28	10.62	10.61	.25	.38707	.66	1.33	1	
1	12	3	1		9.71	10.41	-10.41	-.07	.43469	-.71	-1.12	181	
1	12	4	1	L	6.13	6.57	-6.57	.23	.49085	-.44	-.43	177	
1	12	5	1		7.02	9.91	-9.90	-.15	.55294	-2.89	-2.74	181	
1	12	6	1	L	3.36	.50	.45	.20	.61919	2.86	1.19	24	
1	12	7	1	L	3.65	4.13	-4.12	-.13	.68840	-.48	-.18	182	
1	13	-8	1		16.07	18.32	18.29	1.09	.69378	-2.25	-3.35	3	
1	13	-7	1	L	3.42	6.54	6.54	-.13	.62627	-3.12	-1.28	359	
1	13	-6	1		13.50	14.42	14.37	1.18	.56209	-.91	-1.58	4	
1	13	-5	1		19.61	19.20	-19.20	-.22	.50250	.41	1.02	181	
1	13	-4	1		155.77	154.56	154.54	2.20	.44935	1.21	1.51	0	
1	13	-3	1		60.19	55.92	-55.92	-.73	.40516	4.27	7.57	181	
1	13	-2	1		108.61	102.65	-102.65	.12	.37315	5.96	8.38	179	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	13	-1	1		66.50	66.91	66.90	.30	.35660	-.41	-.56	0	
1	13	0	1		17.38	17.22	17.20	.90	.35767	.16	.48	2	
1	13	1	1		10.75	11.72	-11.72	-.45	.37621	-.97	-1.94	183	
1	13	2	1		77.22	78.50	78.50	.67	.40985	-1.29	-1.65	0	
1	13	3	1		59.27	59.62	-59.61	-.83	.45527	-.35	-.69	181	
1	13	4	1		15.28	15.20	-15.20	.09	.50931	.08	.16	179	
1	13	5	1		16.61	17.03	17.03	.24	.56953	-.43	-.81	0	
1	13	6	1		13.65	11.17	-11.16	-.54	.63417	2.48	3.58	183	
1	13	7	1		16.84	15.92	-15.91	-.48	.70201	.92	1.36	182	
1	14	-7	1	L	3.48	6.65	6.65	-.10	.64064	-3.17	-1.27	0	
1	14	-6	1		10.02	12.87	12.86	.26	.57818	-2.84	-3.70	1	
1	14	-5	1	L	5.37	2.69	2.68	-.17	.52058	2.68	2.27	357	
1	14	-4	1	L	2.89	2.20	-2.20	-.04	.46964	.69	.33	181	
1	14	-3	1		9.36	10.46	10.46	-.03	.42774	-1.10	-1.75	0	
1	14	-2	1		28.77	29.66	29.66	.07	.39774	-.90	-2.83	0	
1	14	-1	1	L	2.71	1.16	1.16	-.04	.38245	1.54	.80	359	
1	14	0	1	L	2.77	2.08	-2.08	-.12	.38365	.68	.35	184	
1	14	1	1		6.90	10.03	10.03	.03	.40118	-3.13	-3.96	0	
1	14	2	1	L	4.09	7.24	7.24	-.04	.43306	-3.15	-2.19	0	
1	14	3	1	L	2.94	.44	.43	.05	.47642	2.51	1.19	7	
1	14	4	1	L	3.08	3.24	3.24	-.00	.52845	-.16	-.07	0	
1	14	5	1		11.49	12.52	12.51	.17	.58683	-1.02	-1.42	0	
1	14	6	1		7.93	9.42	9.42	.09	.64987	-1.48	-1.30	0	
1	15	-7	1		26.76	27.67	27.67	.40	.65575	-.91	-2.05	0	
1	15	-6	1		20.64	20.51	-20.50	-.66	.59501	.13	.29	182	
1	15	-5	1	L	4.64	4.79	-4.79	.14	.53936	-.15	-.10	178	
1	15	-4	1	L	5.43	2.71	2.68	-.36	.49053	2.72	2.41	353	
1	15	-3	1		11.99	10.98	10.98	.34	.45074	1.01	1.95	1	
1	15	-2	1	L	5.27	.21	-.19	-.10	.42255	5.06	4.87	208	
1	15	-1	1		42.33	42.31	42.30	.58	.40839	.02	.05	0	
1	15	0	1	L	2.75	4.67	-4.67	-.13	.40969	-1.92	-.98	182	
1	15	1	1	L	4.85	4.06	4.05	.29	.42633	.79	.68	4	
1	15	2	1		61.06	62.82	62.81	.99	.45662	-1.76	-2.86	0	
1	15	3	1		21.69	22.10	22.09	.36	.49809	-.41	-1.08	0	
1	15	4	1	L	3.14	2.71	2.69	.37	.54820	.43	.19	7	
1	15	5	1	L	3.34	1.24	-1.21	.24	.60481	2.10	.88	168	
1	15	6	1		12.02	9.74	9.72	.66	.66626	2.28	2.88	3	
1	16	-7	1	L	6.19	2.75	2.74	.14	.67158	3.44	2.38	2	
1	16	-6	1	L	3.35	.79	.78	.04	.61253	2.56	1.07	3	
1	16	-5	1	L	3.46	6.02	-6.02	.05	.55876	-2.56	-1.26	179	
1	16	-4	1		15.41	17.90	-17.90	-.07	.51193	-2.49	-5.06	181	
1	16	-3	1	L	2.92	5.63	-5.63	.05	.47410	-2.71	-1.30	179	
1	16	-2	1		6.63	6.65	-6.65	.08	.44756	-.01	-.02	179	
1	16	-1	1	L	2.83	2.36	-2.36	-.00	.43438	.47	.23	181	
1	16	0	1		6.54	7.31	7.31	.03	.43579	-.78	-.85	0	
1	16	1	1	L	2.84	4.87	-4.87	-.07	.45163	-2.04	-1.00	181	
1	16	2	1		8.99	7.80	-7.80	-.07	.48049	1.19	1.70	181	
1	16	3	1		13.14	14.17	-14.16	-.17	.52020	-1.02	-1.83	181	
1	16	4	1		13.65	15.44	-15.44	-.26	.56850	-1.79	-2.87	181	
1	16	5	1	L	4.99	.59	-.58	-.07	.62339	4.40	2.65	188	
1	16	6	1		15.82	16.54	-16.54	-.42	.68328	-.73	-1.06	182	
1	17	-7	1		14.77	13.10	13.10	-.12	.68805	1.67	2.41	0	
1	17	-6	1		31.75	30.07	30.07	.23	.63067	1.68	4.40	0	
1	17	-5	1	L	6.16	3.08	-3.04	-.48	.57872	3.08	2.55	189	
1	17	-4	1		62.77	60.59	-60.58	-1.10	.53379	2.18	3.91	182	
1	17	-3	1	L	4.64	7.47	-7.47	-.07	.49778	-2.83	-2.08	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	17	-2	1		15.17	15.00	15.00	-.25	.47273	.17	.36	0	
1	17	-1	1		32.68	32.65	-32.64	-.71	.46044	.04	.10	182	
1	17	0	1		16.43	15.61	-15.57	-1.16	.46193	.82	1.97	185	
1	17	1	1		9.18	10.83	-10.82	-.33	.47706	-1.64	-2.35	182	
1	17	2	1		25.59	27.16	-27.14	-.98	.50462	-1.57	-4.45	183	
1	17	3	1		39.91	38.57	38.57	.09	.54271	1.33	3.43	0	
1	17	4	1		49.81	48.10	-48.08	-1.46	.58929	1.71	3.86	182	
1	17	5	1		33.36	32.53	-32.53	-.62	.64252	.82	2.08	182	
1	17	6	1		13.29	13.46	-13.43	-.96	.70089	-.17	-.21	185	
1	18	-6	1		8.29	8.13	-8.13	-.25	.64939	.16	.14	182	
1	18	-5	1		6.92	9.28	9.28	.08	.59919	-2.36	-2.07	0	
1	18	-4	1		8.02	6.82	6.82	-.11	.55605	1.21	1.35	0	
1	18	-3	1	L	3.05	3.24	-3.24	-.03	.52172	-.19	-.09	181	
1	18	-2	1	L	3.03	4.11	4.11	-.10	.49803	-1.08	-.50	359	
1	18	-1	1		8.19	10.77	10.77	.10	.48654	-2.57	-3.13	0	
1	18	0	1		7.55	5.57	5.57	.11	.48810	1.98	2.31	1	
1	18	1	1	L	5.93	7.25	7.24	.12	.50260	-1.32	-1.20	0	
1	18	2	1	L	3.58	2.56	2.56	.20	.52897	1.01	.53	4	
1	18	3	1	L	3.26	5.45	5.45	.08	.56556	-2.19	-.94	0	
1	18	4	1		18.08	17.93	17.93	.42	.61052	.15	.28	1	
1	18	5	1	L	5.61	2.45	2.45	.15	.66217	3.16	1.94	3	
1	19	-6	1		29.53	30.99	30.97	1.08	.66863	-1.46	-3.43	2	
1	19	-5	1		45.14	44.72	44.71	.66	.62011	.42	.95	0	
1	19	-4	1		9.13	7.71	-7.67	.72	.57867	1.42	1.66	174	
1	19	-3	1		10.88	9.05	9.04	.50	.54590	1.83	2.69	3	
1	19	-2	1		66.71	65.76	65.75	1.51	.52345	.94	1.42	1	
1	19	-1	1		20.06	18.29	-18.29	-.13	.51268	1.77	4.29	181	
1	19	0	1		89.81	89.57	89.54	2.17	.51431	.25	.27	1	
1	19	1	1		8.44	10.59	10.59	.33	.52823	-2.15	-2.56	1	
1	19	2	1		7.17	6.96	6.88	1.05	.55352	.20	.20	8	
1	19	3	1		48.00	47.98	47.97	.49	.58871	.03	.06	0	
1	19	4	1		25.71	26.50	26.53	1.59	.63215	-.87	-1.99	3	
1	19	5	1	L	6.44	.27	-.27	.03	.68227	6.18	4.28	174	
1	20	-6	1	L	4.35	2.44	2.42	.27	.68835	1.92	.90	6	
1	20	-5	1	L	6.11	7.71	-7.71	-.03	.64145	-1.60	-1.12	181	
1	20	-4	1	L	3.64	.50	-.42	.27	.60160	3.14	1.47	147	
1	20	-3	1	L	3.24	6.38	-6.38	-.15	.57029	-3.14	-1.36	182	
1	20	-2	1	L	3.39	7.44	-7.44	.03	.54898	-4.05	-1.67	179	
1	20	-1	1	L	3.16	2.39	2.39	-.08	.53885	.78	.34	359	
1	20	0	1	L	3.26	.44	-.43	-.08	.54054	2.82	1.21	191	
1	20	1	1	L	5.07	5.77	-5.77	-.12	.55394	-.70	-.49	182	
1	20	2	1		8.55	8.54	-8.54	-.34	.57824	.01	.01	183	
1	20	3	1	L	3.42	4.81	-4.81	-.12	.61213	-1.39	-.57	182	
1	20	4	1		19.67	17.54	-17.54	-.51	.65414	2.12	3.96	182	
1	20	5	1	L	3.74	6.55	-6.55	-.11	.70280	-2.81	-1.05	181	
1	21	-5	1		10.23	8.83	8.83	.14	.66316	1.40	1.53	0	
1	21	-4	1		38.91	38.91	-38.87	-1.59	.62481	-.00	-.00	183	
1	21	-3	1		26.64	26.17	-26.17	-.35	.59485	.47	1.17	181	
1	21	-2	1		106.35	104.69	-104.66	-2.33	.57459	1.66	1.70	182	
1	21	-1	1		20.89	21.64	-21.64	-.30	.56505	-.75	-1.74	181	
1	21	0	1		12.69	10.33	10.26	-1.18	.56680	2.36	3.66	354	
1	21	1	1		8.32	8.31	-8.31	-.01	.57973	.02	.02	181	
1	21	2	1		101.30	101.67	-101.64	-2.39	.60311	-.37	-.37	182	
1	21	3	1	L	5.54	.52	.52	.06	.63580	5.01	3.19	6	
1	21	4	1		31.08	30.06	-30.03	-1.41	.67645	1.01	2.35	183	
1	22	-5	1	L	5.78	5.24	-5.24	.03	.68520	.54	.33	179	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
1	22	-4	1	L	4.28	5.92	-5.91	-.30	.64828	-1.64	-.77	183	
1	22	-3	1		9.85	9.97	9.97	.18	.61958	-.12	-.14	1	
1	22	-2	1	L	3.50	3.52	3.52	.01	.60027	-.01	-.01	0	
1	22	-1	1	L	3.31	1.47	-1.47	.14	.59128	1.83	.78	174	
1	22	0	1	L	3.30	2.28	-2.28	.09	.59308	1.02	.43	177	
1	22	1	1	L	3.43	4.45	4.45	.12	.60557	-1.03	-.42	1	
1	22	2	1		7.46	8.70	8.69	.35	.62811	-1.24	-1.00	2	
1	22	3	1	L	6.62	.15	-.09	.11	.65968	6.48	4.74	129	
1	22	4	1		9.41	7.78	7.77	.45	.69905	1.62	1.49	3	
1	23	-4	1		77.81	77.05	77.02	2.12	.67197	.76	1.17	1	
1	23	-3	1	L	5.15	.65	.64	-.11	.64444	4.49	2.66	351	
1	23	-2	1		16.80	18.80	18.71	1.87	.62602	-2.01	-3.45	5	
1	23	-1	1	L	6.88	9.13	9.13	.08	.61753	-2.25	-1.80	0	
1	23	0	1		46.34	45.91	45.88	1.63	.61937	.43	.90	2	
1	23	1	1	L	3.47	3.13	-3.13	-.12	.63146	.34	.14	183	
1	23	2	1		60.57	60.39	60.36	1.89	.65323	.18	.31	1	
1	23	3	1		9.45	8.90	-8.89	-.20	.68375	.55	.51	182	
1	24	-4	1	L	3.71	2.51	2.50	.22	.69586	1.20	.45	5	
1	24	-3	1	L	3.63	.59	.57	-.15	.66943	3.04	1.17	346	
1	24	-2	1	L	4.37	6.97	6.96	.11	.65183	-2.59	-1.24	0	
1	24	-1	1	L	3.49	1.32	1.31	-.13	.64380	2.17	.87	355	
1	24	0	1	L	3.75	7.60	7.59	-.12	.64569	-3.85	-1.44	0	
1	24	1	1	L	4.17	1.87	-1.87	-.12	.65741	2.30	1.08	184	
1	24	2	1	L	7.32	9.05	-9.04	-.32	.67845	-1.73	-1.26	183	
1	25	-3	1	L	5.40	6.71	-6.71	-.01	.69452	-1.32	-.75	181	
1	25	-2	1		11.45	11.32	-11.25	-1.23	.67769	.12	.14	187	
1	25	-1	1		24.42	23.44	23.43	.52	.67008	.98	2.04	1	
1	25	0	1		98.56	96.51	-96.48	-2.31	.67201	2.05	2.63	182	
1	25	1	1		12.73	10.63	10.62	.40	.68339	2.10	2.62	2	
1	25	2	1		28.95	25.70	25.70	-.56	.70377	3.25	6.90	359	
1	26	-2	1		8.03	6.81	-6.81	-.11	.70360	1.21	.97	181	
1	26	-1	1	L	6.23	5.84	5.83	.17	.69638	.40	.24	1	
1	26	0	1	L	3.99	4.62	4.61	.20	.69835	-.63	-.22	2	
2	-26	-2	1		60.29	60.75	-60.73	-1.30	.70080	-.46	-.85	182	
2	-26	-1	1		18.45	18.87	-18.86	-.49	.69163	-.42	-.71	182	
2	-26	0	1		28.79	27.24	27.24	.09	.69167	1.55	3.40	0	
2	-26	1	1		33.23	34.04	-34.03	-.78	.70094	-.80	-1.89	182	
2	-25	-3	1	L	3.69	3.22	3.22	.07	.69365	.47	.18	1	
2	-25	-2	1	L	5.29	6.61	-6.61	.11	.67505	-1.33	-.71	179	
2	-25	-1	1	L	4.87	3.16	3.15	.19	.66563	1.71	.91	3	
2	-25	0	1	L	5.98	3.98	-3.98	.09	.66579	2.00	1.30	178	
2	-25	1	1	L	5.78	.21	.07	.19	.67553	5.58	3.50	69	
2	-25	2	1	L	6.02	1.88	-1.88	.03	.69443	4.14	2.50	179	
2	-24	-4	1		33.91	32.50	32.49	.58	.69651	1.42	3.40	1	
2	-24	-3	1		17.13	15.95	15.93	.67	.66856	1.18	1.97	2	
2	-24	-2	1		25.07	27.10	-27.09	-.47	.64935	-2.03	-4.31	181	
2	-24	-1	1		22.99	23.15	23.14	.62	.63968	-.16	-.34	1	
2	-24	0	1		34.89	36.21	36.21	.43	.63997	-1.31	-3.40	0	
2	-24	1	1		19.43	20.50	-20.50	.08	.65020	-1.06	-1.92	179	
2	-24	2	1		17.37	16.24	-16.24	-.45	.66994	1.13	1.86	182	
2	-24	3	1		30.13	30.44	30.43	.58	.69836	-.31	-.68	1	
2	-23	-4	1	L	3.60	3.80	3.80	-.03	.67245	-.20	-.08	0	
2	-23	-3	1	L	4.30	6.16	-6.16	-.17	.64358	-1.86	-.90	182	
2	-23	-2	1	L	5.20	.34	-.33	-.08	.62372	*4.87	3.01	193	
2	-23	-1	1	L	3.78	4.96	4.96	-.14	.61377	-1.18	-.54	359	
2	-23	0	1		20.65	21.22	21.22	.26	.61419	-.57	-1.17	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-23	1	1	L	5.15	6.65	-6.64	-.29	.62497	-1.50	-.87	183	
2	-23	2	1	L	3.55	4.69	4.69	.18	.64560	-1.14	-.45	2	
2	-23	3	1		9.60	9.27	-9.26	-.37	.67516	.33	.32	183	
2	-22	-5	1		17.57	16.73	-16.72	-.61	.68655	.84	1.39	183	
2	-22	-4	1		9.39	5.41	5.40	.23	.64859	3.99	4.20	2	
2	-22	-3	1	L	3.43	1.09	-1.04	-.33	.61872	2.34	.95	198	
2	-22	-2	1		28.02	29.23	29.22	.84	.59817	-1.21	-3.01	1	
2	-22	-1	1	L	5.31	4.88	-4.86	-.46	.58791	.43	.29	186	
2	-22	0	1		30.15	30.10	30.10	.65	.58848	.04	.12	1	
2	-22	1	1		33.96	34.76	-34.76	-.60	.59985	-.81	-2.19	181	
2	-22	2	1		22.46	22.68	22.65	1.26	.62143	-.23	-.48	3	
2	-22	3	1		38.38	39.18	39.18	.10	.65220	-.80	-2.11	0	
2	-22	4	1		18.05	18.41	18.40	.74	.69094	-.36	-.59	2	
2	-21	-5	1	L	7.25	.79	.78	.09	.66414	6.47	5.25	6	
2	-21	-4	1	L	3.40	4.29	-4.29	.00	.62493	-.89	-.37	179	
2	-21	-3	1	L	3.29	3.49	-3.49	.15	.59401	-.20	-.09	177	
2	-21	-2	1		8.14	5.47	-5.47	-.16	.57270	2.67	2.77	182	
2	-21	-1	1		9.87	6.67	6.67	.24	.56211	3.20	4.17	2	
2	-21	0	1		12.43	13.98	-13.97	-.32	.56284	-1.54	-2.35	182	
2	-21	1	1		9.42	9.88	-9.87	.18	.57485	-.45	-.53	178	
2	-21	2	1		15.74	17.24	-17.24	-.52	.59746	-1.50	-2.58	182	
2	-21	3	1		12.35	12.57	12.56	.34	.62953	-.21	-.29	1	
2	-21	4	1		26.95	27.95	-27.94	-.85	.66969	-1.00	-2.16	182	
2	-20	-6	1		34.58	32.38	-32.36	-.91	.68951	2.20	5.29	182	
2	-20	-5	1		11.08	9.51	9.50	.44	.64203	1.57	1.92	2	
2	-20	-4	1		32.48	33.12	-33.09	-1.33	.60151	-.64	-1.74	183	
2	-20	-3	1		18.23	17.91	17.91	.37	.56945	.32	.66	1	
2	-20	-2	1		15.40	14.03	14.02	-.60	.54733	1.37	2.59	358	
2	-20	-1	1	L	3.15	5.35	-5.35	.13	.53638	-2.20	-.98	178	
2	-20	0	1		73.33	75.96	-75.93	-2.00	.53729	-2.63	-3.86	182	
2	-20	1	1		15.65	15.13	15.12	.44	.54999	.52	.98	1	
2	-20	2	1		35.33	35.57	-35.54	-1.46	.57371	-.24	-.63	183	
2	-20	3	1		14.58	15.78	15.78	.17	.60716	-1.20	-1.88	0	
2	-20	4	1		26.19	25.31	-25.28	-1.31	.64883	.88	1.98	183	
2	-20	5	1		25.89	27.15	-27.15	-.34	.69725	-1.27	-2.58	181	
2	-19	-6	1	L	3.56	1.06	1.06	-.09	.66918	2.50	.98	356	
2	-19	-5	1		8.63	6.27	-6.27	-.14	.62027	2.36	2.48	182	
2	-19	-4	1	L	4.08	.72	.72	.01	.57836	3.36	1.87	0	
2	-19	-3	1	L	3.12	4.76	4.76	-.10	.54507	-1.64	-.74	359	
2	-19	-2	1		25.55	27.07	27.07	.39	.52206	-1.52	-4.11	0	
2	-19	-1	1	L	3.02	.30	-.21	-.22	.51072	2.72	1.26	227	
2	-19	0	1		15.71	17.72	17.72	.47	.51183	-2.01	-3.97	1	
2	-19	1	1	L	3.12	1.15	-1.13	-.26	.52529	1.97	.88	193	
2	-19	2	1		20.94	22.11	22.09	.80	.55022	-1.17	-2.67	2	
2	-19	3	1		12.57	12.36	12.36	-.09	.58514	.21	.30	0	
2	-19	4	1		9.86	13.21	13.19	.77	.62839	-3.36	-3.57	3	
2	-19	5	1		12.09	10.37	-10.36	-.29	.67838	1.73	2.10	182	
2	-18	-6	1		10.17	10.69	10.65	1.00	.64930	-.52	-.59	5	
2	-18	-5	1		25.47	25.51	25.51	.21	.59889	-.04	-.09	0	
2	-18	-4	1		28.65	29.47	29.43	1.61	.55550	-.82	-2.30	3	
2	-18	-3	1	L	3.05	2.90	-2.86	-.48	.52090	.16	.07	190	
2	-18	-2	1		69.97	73.41	73.39	2.05	.49693	-3.44	-5.36	1	
2	-18	-1	1		35.33	35.20	-35.19	-.38	.48516	.14	.40	181	
2	-18	0	1		44.79	47.27	47.23	1.93	.48647	-2.48	-5.75	2	
2	-18	1	1		41.12	43.22	43.22	.46	.50077	-2.10	-5.08	0	
2	-18	2	1		20.77	21.91	21.87	1.26	.52700	-1.13	-2.72	3	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-18	3	1		35.46	33.79	-33.79	-.29	.56350	1.67	4.42	181	
2	-18	4	1		90.55	88.37	88.34	2.33	.60842	2.18	3.01	1	
2	-18	5	1		16.21	16.32	16.32	.15	.66004	-.11	-.17	0	
2	-17	-7	1	L	3.59	1.26	-1.26	.04	.68730	2.32	.91	178	
2	-17	-6	1	L	3.43	1.69	1.69	.12	.62990	1.74	.71	4	
2	-17	-5	1	L	5.72	7.50	-7.50	.04	.57793	-1.78	-1.37	179	
2	-17	-4	1	L	3.08	2.22	-2.21	-.12	.53298	.86	.39	184	
2	-17	-3	1		6.86	6.37	6.37	.16	.49697	.48	.52	1	
2	-17	-2	1		12.34	15.47	-15.46	-.35	.47194	-3.13	-5.21	182	
2	-17	-1	1	L	3.29	3.64	3.64	.15	.45969	-.35	-.19	2	
2	-17	0	1		25.92	28.28	-28.27	-.64	.46125	-2.36	-7.11	182	
2	-17	1	1	L	2.97	1.13	1.11	.16	.47646	1.85	.87	8	
2	-17	2	1		24.53	24.72	-24.70	-.87	.50411	-.18	-.51	183	
2	-17	3	1	L	3.18	.63	-.62	.13	.54229	2.55	1.12	167	
2	-17	4	1		16.64	17.84	-17.82	-.89	.58896	-1.21	-2.10	183	
2	-17	5	1	L	3.51	1.50	1.50	.07	.64226	2.01	.80	2	
2	-17	6	1		22.89	23.14	-23.12	-.98	.70069	-.25	-.47	183	
2	-16	-7	1		30.48	30.35	-30.35	-.29	.66994	.13	.30	181	
2	-16	-6	1		82.64	81.56	-81.54	-2.04	.61103	1.07	1.47	182	
2	-16	-5	1		20.52	18.44	18.44	-.45	.55744	2.08	4.86	1	
2	-16	-4	1		11.29	12.64	-12.54	-1.60	.51084	-1.35	-2.21	188	
2	-16	-3	1		11.49	12.99	-12.99	-.16	.47331	-1.50	-2.66	181	
2	-16	-2	1		127.51	135.36	-135.34	-2.43	.44712	-7.85	-9.75	182	
2	-16	-1	1		19.32	22.25	-22.25	-.09	.43435	-2.94	-7.85	181	
2	-16	0	1		21.32	21.78	-21.71	-1.69	.43617	-.46	-1.31	185	
2	-16	1	1		7.38	8.83	-8.83	.05	.45240	-1.46	-1.74	179	
2	-16	2	1		115.63	115.55	-115.53	-2.35	.48159	.07	.09	182	
2	-16	3	1		45.37	45.94	-45.93	-.41	.52156	-.56	-1.25	181	
2	-16	4	1		8.18	11.63	-11.58	-1.12	.57006	-3.45	-3.45	186	
2	-16	5	1	L	5.03	.86	-.84	-.17	.62510	4.17	2.44	192	
2	-16	6	1		29.53	31.12	-31.09	-1.25	.68511	-1.59	-3.47	183	
2	-15	-7	1	L	3.50	3.07	-3.07	-.05	.65319	.43	.17	181	
2	-15	-6	1	L	4.29	3.78	-3.77	-.08	.59274	.51	.28	182	
2	-15	-5	1	L	3.02	2.35	2.35	-.07	.53747	.66	.31	359	
2	-15	-4	1	L	2.92	2.89	2.88	.17	.48913	.04	.02	3	
2	-15	-3	1		6.79	5.81	-5.81	-.12	.44996	.97	1.14	182	
2	-15	-2	1		11.98	12.63	12.62	.37	.42251	-.65	-1.29	1	
2	-15	-1	1	L	4.73	4.48	4.47	-.06	.40915	.25	.22	0	
2	-15	0	1		33.60	35.71	35.71	.71	.41127	-2.11	-6.37	1	
2	-15	1	1	L	2.90	2.28	2.28	-.00	.42862	.63	.32	0	
2	-15	2	1	L	2.92	.57	-.03	.57	.45949	2.35	1.12	92	
2	-15	3	1		19.57	19.14	-19.14	-.15	.50138	.44	1.05	181	
2	-15	4	1		30.34	30.03	30.02	1.00	.55179	.31	.86	1	
2	-15	5	1		7.27	7.20	7.20	.03	.60861	.07	.06	0	
2	-15	6	1		21.76	19.89	19.87	.80	.67021	1.87	3.67	2	
2	-14	-8	1		20.21	20.66	20.61	1.31	.70277	-.44	-.80	3	
2	-14	-7	1		21.14	20.98	20.98	.21	.63710	.16	.34	0	
2	-14	-6	1		53.18	54.35	54.31	2.05	.57510	-1.17	-2.50	2	
2	-14	-5	1		43.33	42.43	-42.43	-.41	.51809	.90	2.19	181	
2	-14	-4	1		92.95	96.36	96.34	2.15	.46791	-3.42	-4.11	1	
2	-14	-3	1		35.03	37.28	37.28	.40	.42698	-2.26	-6.45	0	
2	-14	-2	1		35.56	37.46	37.41	1.80	.39814	-1.90	-5.33	2	
2	-14	-1	1		32.08	35.53	35.52	.37	.38413	-3.44	-10.77	0	
2	-14	0	1		34.65	36.11	36.07	1.53	.38658	-1.46	-4.40	2	
2	-14	1	1		54.85	54.74	-54.74	-.23	.40518	.11	.23	181	
2	-14	2	1		99.71	101.09	101.07	2.05	.43787	-1.38	-1.74	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-14	3	1		54.16	54.86	54.85	.52	.48181	-.69	-1.29	0	
2	-14	4	1	L	4.05	.91	-.52	.74	.53421	3.14	1.77	125	
2	-14	5	1		9.47	9.79	-9.79	.14	.59285	-.32	-.37	179	
2	-14	6	1		26.37	26.23	26.21	.90	.65605	.14	.32	1	
2	-13	-8	1	L	3.67	.94	.91	.21	.68875	2.73	1.04	13	
2	-13	-7	1		8.14	3.93	3.93	.05	.62172	4.21	4.35	0	
2	-13	-6	1		7.63	5.56	5.56	.05	.55815	2.07	2.23	0	
2	-13	-5	1	L	4.53	2.39	2.39	.03	.49936	2.15	1.53	0	
2	-13	-4	1		6.41	.20	-.15	-.13	.44726	6.21	6.30	220	
2	-13	-3	1	L	4.05	1.19	1.19	.02	.40442	2.86	2.25	0	
2	-13	-2	1		12.87	14.62	-14.61	-.37	.37405	-1.75	-4.02	182	
2	-13	-1	1	L	2.63	2.61	2.61	.02	.35932	.01	.01	0	
2	-13	0	1		17.98	18.11	-18.11	-.52	.36214	-.14	-.40	182	
2	-13	1	1		5.97	5.90	-5.90	-.00	.38213	.08	.09	181	
2	-13	2	1		8.93	6.68	-6.65	-.58	.41682	2.25	3.40	185	
2	-13	3	1		10.08	8.13	-8.13	-.09	.46292	1.94	2.98	181	
2	-13	4	1		13.79	12.38	-12.37	-.52	.51739	1.41	2.56	183	
2	-13	5	1	L	3.25	4.38	4.38	-.08	.57787	-1.13	-.49	359	
2	-13	6	1		12.85	13.31	-13.30	-.49	.64266	-.46	-.60	183	
2	-12	-8	1		92.85	91.55	-91.53	-2.08	.67548	1.30	1.66	182	
2	-12	-7	1		55.91	54.73	54.73	.49	.60711	1.18	2.43	0	
2	-12	-6	1		18.14	16.96	16.92	-1.21	.54196	1.18	2.69	356	
2	-12	-5	1		100.26	104.17	-104.17	-1.06	.48137	-3.92	-4.59	181	
2	-12	-4	1		50.43	54.08	-54.05	-1.65	.42725	-3.65	-7.25	182	
2	-12	-3	1		34.83	34.41	34.41	.18	.38237	.43	1.23	0	
2	-12	-2	1	L	3.50	6.32	-6.16	-1.42	.35031	-2.82	-2.11	194	
2	-12	-1	1		48.83	49.09	49.09	.11	.33476	-.26	-.62	0	
2	-12	0	1		141.84	147.57	-147.56	-1.78	.33801	-5.73	-8.59	181	
2	-12	1	1		80.77	83.48	-83.48	-.86	.35956	-2.72	-3.79	181	
2	-12	2	1		33.86	31.11	31.11	-.12	.39642	2.76	8.16	0	
2	-12	3	1		33.53	31.73	31.73	-.04	.44481	1.80	5.10	0	
2	-12	4	1		40.48	39.87	-39.85	-1.04	.50141	.61	1.47	182	
2	-12	5	1	L	5.62	3.52	-3.52	-.03	.56373	2.10	1.62	181	
2	-12	6	1	L	3.47	4.89	-4.88	-.27	.63010	-1.42	-.57	184	
2	-12	7	1	L	3.74	5.86	-5.85	-.22	.69935	-2.12	-.79	183	
2	-11	-8	1		7.77	3.71	-3.71	-.13	.66300	4.06	3.56	182	
2	-11	-7	1	L	6.04	2.46	-2.46	-.05	.59332	3.58	2.92	182	
2	-11	-6	1		8.91	11.15	-11.15	-.06	.52662	-2.24	-2.80	181	
2	-11	-5	1	L	5.52	4.70	-4.70	-.01	.46418	.82	.77	181	
2	-11	-4	1	L	2.76	6.81	-6.81	.10	.40797	-4.06	-2.06	179	
2	-11	-3	1	L	2.50	2.40	-2.40	.03	.36092	.10	.06	179	
2	-11	-2	1		27.78	27.16	27.16	.33	.32699	.61	1.92	0	
2	-11	-1	1	L	2.38	1.85	-1.85	.07	.31052	.53	.31	177	
2	-11	0	1	L	3.75	1.08	-1.06	.21	.31426	2.67	2.29	168	
2	-11	1	1	L	2.53	2.78	-2.78	.05	.33755	-.25	-.14	179	
2	-11	2	1	L	4.13	1.33	-1.28	.36	.37678	2.80	2.33	164	
2	-11	3	1	L	2.83	2.56	-2.56	.11	.42758	.27	.13	177	
2	-11	4	1		8.42	8.30	-8.30	.09	.48634	.12	.16	179	
2	-11	5	1		6.73	4.57	-4.57	.06	.55051	2.16	2.04	179	
2	-11	6	1	L	4.87	.73	-.72	.07	.61842	4.14	2.47	174	
2	-11	7	1		10.67	9.78	9.77	.25	.68896	.89	.95	1	
2	-10	-8	1		25.56	25.35	25.33	1.14	.65136	.20	.44	2	
2	-10	-7	1		14.85	16.55	16.54	.27	.58041	-1.69	-3.02	0	
2	-10	-6	1		41.61	42.56	42.54	1.18	.51218	-.95	-2.31	1	
2	-10	-5	1		6.56	6.32	6.31	.23	.44790	.24	.27	2	
2	-10	-4	1		88.05	89.72	89.71	1.29	.38955	-1.67	-2.27	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-10	-3	1		25.93	26.88	26.87	.30	.34017	-.94	-3.48	0	
2	-10	-2	1		7.81	8.97	8.96	.42	.30419	-1.17	-2.09	2	
2	-10	-1	1		60.41	62.41	62.40	.51	.28667	-2.00	-3.14	0	
2	-10	0	1		7.14	8.88	8.86	.56	.29099	-1.74	-3.08	3	
2	-10	1	1	L	3.87	.09	-.03	.09	.31624	3.78	3.55	108	
2	-10	2	1		51.72	49.21	49.21	.16	.35802	2.51	4.66	0	
2	-10	3	1		19.96	20.62	20.62	.06	.41132	-.65	-1.89	0	
2	-10	4	1		15.57	13.31	-13.31	-.13	.47207	2.26	4.86	181	
2	-10	5	1		45.71	44.25	44.24	.72	.53827	1.46	3.12	0	
2	-10	6	1		8.73	9.12	9.10	-.54	.60767	-.39	-.41	357	
2	-10	7	1		29.69	28.76	-28.76	-.38	.67944	.92	2.10	181	
2	-9	-8	1		11.50	12.45	12.45	.14	.64060	-.95	-1.24	0	
2	-9	-7	1		7.27	1.62	-1.62	-.04	.56845	5.64	5.83	182	
2	-9	-6	1	L	3.17	2.47	2.47	-.04	.49873	.69	.34	0	
2	-9	-5	1		5.94	5.96	5.96	.01	.43264	-.02	-.02	0	
2	-9	-4	1		9.69	13.13	13.13	-.09	.37210	-3.43	-6.70	0	
2	-9	-3	1	L	2.34	5.09	5.09	-.04	.32028	-2.75	-1.65	0	
2	-9	-2	1		5.74	5.72	-5.72	-.11	.28203	.02	.03	182	
2	-9	-1	1		13.60	16.16	16.16	-.04	.26333	-2.56	-8.48	0	
2	-9	0	1		12.60	10.98	-10.98	-.09	.26830	1.62	4.72	181	
2	-9	1	1	L	4.75	3.51	-3.51	-.18	.29575	1.24	1.47	183	
2	-9	2	1		36.87	37.63	37.63	.19	.34029	-.77	-1.96	0	
2	-9	3	1	L	2.73	2.97	2.96	-.14	.39618	-.24	-.12	358	
2	-9	4	1	L	5.16	6.06	6.06	.17	.45931	-.90	-.76	1	
2	-9	5	1		9.83	10.32	10.32	-.01	.52707	-.50	-.67	0	
2	-9	6	1		14.84	16.20	16.20	.33	.59791	-1.37	-2.30	1	
2	-9	7	1	L	3.60	1.93	-1.92	-.16	.67083	1.68	.65	185	
2	-8	-8	1		19.20	19.10	19.10	-.25	.63077	.09	.18	0	
2	-8	-7	1		66.70	66.61	-66.60	-.99	.55748	.09	.16	181	
2	-8	-6	1		68.46	69.78	-69.77	-.79	.48635	-1.32	-2.11	181	
2	-8	-5	1		68.58	70.50	70.50	.46	.41849	-1.92	-3.44	0	
2	-8	-4	1		40.85	41.55	41.55	.08	.35576	-.70	-1.81	0	
2	-8	-3	1		21.59	22.93	-22.92	-.46	.30140	-1.33	-4.97	182	
2	-8	-2	1		23.97	23.49	-23.49	-.02	.26068	.49	1.88	181	
2	-8	-1	1		37.76	40.94	-40.94	-.47	.24064	-3.18	-8.87	181	
2	-8	0	1		64.35	64.59	64.58	.95	.24638	-.24	-.41	0	
2	-8	1	1		21.93	21.13	-21.13	-.03	.27630	.80	3.08	181	
2	-8	2	1		60.66	56.90	-56.90	.09	.32375	3.76	7.75	179	
2	-8	3	1	L	2.68	4.71	4.70	-.21	.38227	-2.03	-1.06	358	
2	-8	4	1		95.84	89.28	89.27	1.38	.44753	6.56	8.05	0	
2	-8	5	1		16.50	15.08	15.08	.08	.51699	1.42	3.03	0	
2	-8	6	1		14.16	13.89	13.87	.87	.58917	.26	.42	3	
2	-8	7	1		21.32	21.15	-21.14	-.27	.66317	.17	.32	181	
2	-7	-9	1	L	6.18	6.52	-6.52	-.09	.69754	-.34	-.22	181	
2	-7	-8	1	L	3.33	2.90	-2.90	.07	.62192	.43	.18	178	
2	-7	-7	1		7.66	10.47	-10.47	-.04	.54758	-2.80	-2.92	181	
2	-7	-6	1	L	4.90	8.41	-8.41	.06	.47513	-3.51	-2.89	179	
2	-7	-5	1		7.07	1.23	-1.23	.04	.40558	5.84	8.07	178	
2	-7	-4	1		12.54	14.31	-14.31	.02	.34071	-1.77	-4.62	179	
2	-7	-3	1		5.52	6.96	-6.96	.06	.28374	-1.44	-2.37	179	
2	-7	-2	1		7.30	5.49	5.49	-.06	.24036	1.81	3.87	0	
2	-7	-1	1		14.22	12.06	12.06	.14	.21881	2.15	8.30	0	
2	-7	0	1		18.65	20.72	-20.72	-.16	.22544	-2.07	-8.92	181	
2	-7	1	1	L	2.21	4.33	-4.32	.10	.25809	-2.11	-1.34	178	
2	-7	2	1		33.13	36.49	-36.49	-.48	.30861	-3.36	-8.19	181	
2	-7	3	1		9.58	11.02	-11.02	.06	.36974	-1.45	-2.68	179	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-7	4	1		22.09	21.59	-21.59	-.58	.43705	.49	1.42	182	
2	-7	5	1		11.88	9.63	9.63	.28	.50809	2.24	3.67	1	
2	-7	6	1		18.83	18.91	-18.89	-.80	.58150	-.09	-.18	183	
2	-7	7	1		12.71	13.61	-13.61	-.08	.65649	-.90	-1.18	181	
2	-6	-9	1		11.23	9.08	-9.08	.16	.69044	2.15	2.46	179	
2	-6	-8	1		13.11	11.43	11.43	.21	.61408	1.68	2.55	1	
2	-6	-7	1		35.76	36.79	-36.79	-.21	.53880	-1.03	-2.95	181	
2	-6	-6	1		45.68	47.73	-47.73	-.55	.46515	-2.05	-4.54	181	
2	-6	-5	1		70.45	73.77	73.77	.70	.39403	-3.32	-4.32	0	
2	-6	-4	1		65.03	66.52	-66.51	-1.25	.32710	-1.49	-2.20	182	
2	-6	-3	1	L	3.83	7.04	7.03	.37	.26753	-3.21	-3.65	3	
2	-6	-2	1		95.40	90.85	-90.84	-.71	.22134	4.55	8.67	181	
2	-6	-1	1		109.97	116.58	-116.58	-.47	.19811	-6.60	-13.35	181	
2	-6	0	1		79.81	69.08	69.07	-1.29	.20579	10.73	21.05	359	
2	-6	1	1		46.69	44.62	-44.62	.26	.24142	2.07	4.94	179	
2	-6	2	1		187.29	172.24	-172.23	-1.90	.29507	15.05	24.70	181	
2	-6	3	1		77.00	74.24	74.24	.57	.35872	2.76	3.88	0	
2	-6	4	1		45.11	43.97	-43.95	-1.47	.42795	1.14	2.59	182	
2	-6	5	1		64.27	61.66	-61.65	-.69	.50044	2.61	4.01	181	
2	-6	6	1		16.15	16.80	-16.77	-1.00	.57496	-.65	-1.18	184	
2	-6	7	1		22.85	19.98	19.98	.31	.65082	2.87	6.11	0	
2	-5	-9	1		7.32	1.72	1.72	.01	.68431	5.59	4.60	0	
2	-5	-8	1	L	3.63	3.41	-3.40	-.22	.60729	.22	.10	184	
2	-5	-7	1		10.44	10.64	10.64	.08	.53120	-.20	-.29	0	
2	-5	-6	1		9.45	10.06	10.06	-.10	.45648	-.62	-.99	0	
2	-5	-5	1	L	4.77	.36	.36	-.05	.38396	4.41	4.54	353	
2	-5	-4	1		10.58	12.60	12.60	.03	.31514	-2.02	-5.36	0	
2	-5	-3	1		8.34	11.26	11.26	-.04	.25307	-2.92	-7.34	0	
2	-5	-2	1		8.30	6.55	-6.54	.16	.20399	1.75	4.97	178	
2	-5	-1	1		4.76	2.98	2.98	-.10	.17895	1.78	3.01	359	
2	-5	0	1		39.65	41.54	41.54	.50	.18781	-1.89	-4.98	0	
2	-5	1	1		9.89	6.86	-6.85	-.12	.22663	3.04	8.76	182	
2	-5	2	1		40.25	40.30	40.30	.66	.28336	-.06	-.14	0	
2	-5	3	1		6.66	6.86	6.86	-.09	.34938	-.20	-.28	0	
2	-5	4	1		36.27	34.95	34.94	.89	.42033	1.32	3.53	1	
2	-5	5	1	L	5.14	2.85	2.85	-.10	.49409	2.29	1.82	358	
2	-5	6	1		26.90	28.21	28.19	1.04	.56958	-1.31	-3.40	2	
2	-5	7	1	L	3.55	.46	-.44	-.10	.64618	3.09	1.22	194	
2	-4	-9	1		31.94	30.86	-30.86	-.59	.67914	1.08	2.62	182	
2	-4	-8	1		15.11	18.31	18.29	.90	.60160	-3.20	-5.47	2	
2	-4	-7	1		9.34	11.26	11.26	.11	.52482	-1.92	-2.58	0	
2	-4	-6	1		38.63	39.67	39.64	1.45	.44922	-1.04	-2.82	2	
2	-4	-5	1		6.78	5.46	-5.45	-.35	.37550	1.33	1.97	184	
2	-4	-4	1		11.58	13.73	13.69	1.09	.30502	-2.16	-6.11	4	
2	-4	-3	1		27.64	31.47	31.47	.24	.24066	-3.83	-13.37	0	
2	-4	-2	1		213.28	214.19	214.18	2.61	.18878	-.91	-1.92	0	
2	-4	-1	1		101.08	102.24	-102.24	-.58	.16186	-1.16	-2.59	181	
2	-4	0	1		33.75	29.79	-29.76	1.51	.17205	3.96	9.95	177	
2	-4	1	1		63.87	59.21	-59.21	-.12	.21411	4.67	8.74	181	
2	-4	2	1		125.71	117.39	117.37	2.15	.27372	8.31	14.13	1	
2	-4	3	1		83.65	81.77	81.77	.55	.34183	1.88	2.73	0	
2	-4	4	1		29.29	27.81	27.76	1.66	.41426	1.49	4.48	3	
2	-4	5	1		38.32	35.51	-35.51	-.52	.48909	2.81	7.39	181	
2	-4	6	1		66.05	64.90	64.87	1.94	.56538	1.14	1.96	1	
2	-4	7	1		8.03	10.85	10.85	.34	.64260	-2.83	-2.53	1	
2	-3	-9	1	L	7.01	5.84	-5.84	-.05	.67498	1.16	.92	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	-3	-8	1	L	6.30	2.86	2.85	.24	.59702	3.44	2.84	4	
2	-3	-7	1	L	3.07	2.14	2.14	.00	.51972	.93	.46	0	
2	-3	-6	1		7.73	7.37	-7.37	.13	.44342	.36	.50	179	
2	-3	-5	1		7.95	9.26	-9.26	-.02	.36874	-1.31	-2.33	181	
2	-3	-4	1		5.94	7.73	-7.73	-.03	.29692	-1.79	-2.90	181	
2	-3	-3	1	L	2.79	1.88	-1.88	.04	.23064	.91	.89	178	
2	-3	-2	1		11.36	7.61	7.60	-.26	.17626	3.75	13.98	359	
2	-3	-1	1		10.89	10.86	-10.86	.03	.14758	.03	.12	179	
2	-3	0	1		33.64	34.76	-34.76	-.61	.15916	-1.13	-3.09	182	
2	-3	1	1		6.24	6.56	-6.56	.08	.20427	-.32	-.66	179	
2	-3	2	1		65.49	65.70	-65.69	-.90	.26638	-.20	-.34	181	
2	-3	3	1		12.68	10.78	10.78	.19	.33620	1.90	4.88	0	
2	-3	4	1		42.80	41.13	-41.12	-1.06	.40981	1.67	4.36	182	
2	-3	5	1		14.50	15.04	-15.04	-.09	.48549	-.54	-1.11	181	
2	-3	6	1		21.44	20.49	-20.47	-.95	.56240	.94	2.20	183	
2	-3	7	1		7.37	5.22	5.22	.16	.64010	2.15	1.78	1	
2	-2	-9	1		16.59	19.03	-19.03	-.10	.67184	-2.44	-3.91	181	
2	-2	-8	1		57.02	57.86	-57.83	-1.78	.59360	-.84	-1.78	182	
2	-2	-7	1		33.49	33.86	33.86	.43	.51592	-.37	-1.03	0	
2	-2	-6	1		42.20	46.06	-46.02	-1.91	.43914	-3.86	-9.70	183	
2	-2	-5	1		43.53	44.60	-44.60	-.14	.36379	-1.07	-2.41	181	
2	-2	-4	1		62.54	59.27	-59.24	-1.88	.29101	3.27	5.17	182	
2	-2	-3	1		31.69	26.67	26.67	.03	.22332	5.02	16.66	0	
2	-2	-2	1		156.03	147.43	-147.41	-2.57	.16702	8.60	19.26	181	
2	-2	-1	1		34.42	32.91	32.91	.25	.13697	1.50	4.66	0	
2	-2	0	1		138.39	139.96	-139.94	-2.39	.14989	-1.57	-3.73	181	
2	-2	1	1		24.41	27.92	-27.92	-.07	.19751	-3.51	-12.24	181	
2	-2	2	1		96.44	94.16	-94.13	-2.21	.26153	2.28	3.94	182	
2	-2	3	1		16.40	16.82	-16.82	-.19	.33260	-.41	-1.29	181	
2	-2	4	1		44.16	42.48	-42.45	-1.67	.40705	1.67	3.91	183	
2	-2	5	1		34.90	32.36	32.36	.28	.48331	2.54	6.97	0	
2	-2	6	1		49.86	51.05	-51.02	-1.66	.56066	-1.19	-2.52	182	
2	-2	7	1		38.40	39.86	-39.86	-.45	.63869	-1.46	-3.61	181	
2	-1	-9	1	L	7.06	8.60	8.60	.15	.66973	-1.54	-1.19	0	
2	-1	-8	1		9.92	10.08	-10.08	-.40	.59134	-.17	-.20	183	
2	-1	-7	1	L	2.94	2.91	2.91	.04	.51347	.04	.02	0	
2	-1	-6	1	L	5.36	3.02	3.01	-.17	.43643	2.34	2.44	357	
2	-1	-5	1	L	3.84	3.97	3.96	.04	.36073	-.13	-.12	0	
2	-1	-4	1		18.55	14.19	14.19	.11	.28743	4.36	17.23	0	
2	-1	-3	1	L	3.25	2.91	-2.91	-.02	.21898	.34	.40	181	
2	-1	-2	1		6.20	2.35	-2.33	.35	.16165	3.85	9.53	171	
2	-1	-1	1		5.24	2.53	-2.53	-.04	.13094	2.71	6.20	182	
2	-1	0	1		33.32	33.13	33.12	.63	.14492	.19	.53	1	
2	-1	1	1	L	3.42	.76	-.76	-.04	.19416	2.66	3.14	183	
2	-1	2	1		50.47	50.37	50.37	.86	.25930	.10	.22	0	
2	-1	3	1	L	4.80	4.77	4.77	-.01	.33108	.03	.03	0	
2	-1	4	1		25.33	23.67	23.65	.97	.40599	1.67	5.02	2	
2	-1	5	1	L	2.96	.87	-.86	-.14	.48258	2.08	.99	190	
2	-1	6	1		27.00	25.96	25.94	1.04	.56016	1.04	2.77	2	
2	-1	7	1		8.88	8.81	-8.81	-.08	.63837	.08	.07	181	
2	0	-9	1		18.65	18.91	18.91	.32	.66867	-.26	-.47	0	
2	0	-8	1		52.91	55.76	55.73	1.68	.59026	-2.85	-5.34	1	
2	0	-7	1		10.26	11.48	11.48	-.02	.51238	-1.22	-1.90	0	
2	0	-6	1		10.36	12.36	12.23	1.77	.43531	-2.00	-3.66	8	
2	0	-5	1		6.48	6.51	6.51	.10	.35959	-.04	-.06	0	
2	0	-4	1		350.73	352.20	352.18	3.61	.28627	-1.47	-2.44	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	0	-3	1		23.49	21.56	21.56	-.48	.21780	1.93	8.01	359	
2	0	-2	1		115.65	94.41	-94.40	1.58	.16052	21.24	48.23	179	
2	0	-1	1		136.46	145.37	145.37	.59	.13013	-8.91	-22.72	0	
2	0	0	1		118.52	119.17	119.14	2.34	.14471	-.64	-1.54	1	
2	0	1	1	L	2.00	3.20	3.20	-.06	.19440	-1.20	-.84	359	
2	0	2	1		167.28	163.60	163.59	2.11	.25977	3.68	6.49	0	
2	0	3	1		44.29	42.85	-42.85	-.57	.33167	1.44	3.41	181	
2	0	4	1		107.62	109.07	109.05	1.99	.40666	-1.45	-1.90	1	
2	0	5	1		60.04	61.44	61.43	.72	.48331	-1.40	-2.65	0	
2	0	6	1		10.31	13.30	13.29	.69	.56092	-3.00	-3.91	2	
2	0	7	1	L	5.75	.36	.30	-.19	.63916	5.39	3.62	328	
2	1	-9	1	L	3.53	1.23	-1.23	-.09	.66865	2.31	.91	185	
2	1	-8	1		9.15	7.59	7.58	.39	.59037	1.56	1.78	2	
2	1	-7	1	L	2.91	2.91	-2.91	-.08	.51265	.00	.00	182	
2	1	-6	1		6.42	3.43	3.42	.18	.43581	2.99	3.63	3	
2	1	-5	1	L	4.02	1.42	1.42	-.05	.36040	2.60	2.45	358	
2	1	-4	1		20.88	6.05	-6.05	-.12	.28755	14.83	58.55	182	
2	1	-3	1	L	1.91	.75	-.75	-.03	.21983	1.16	.85	183	
2	1	-2	1		9.02	9.43	9.42	-.32	.16372	-.40	-1.37	359	
2	1	-1	1	L	3.37	1.86	1.86	.01	.13463	1.52	2.21	0	
2	1	0	1		29.17	28.47	-28.46	-.58	.14928	.71	2.29	182	
2	1	1	1		11.13	12.28	12.28	.06	.19820	-1.15	-3.95	0	
2	1	2	1		46.67	47.66	-47.66	-.79	.26291	-.99	-2.27	181	
2	1	3	1		9.02	9.06	-9.06	-.02	.33437	-.03	-.06	181	
2	1	4	1		12.10	10.14	-10.11	-.68	.40905	1.96	3.97	184	
2	1	5	1		12.60	13.33	13.33	.14	.48547	-.73	-1.32	0	
2	1	6	1		16.14	15.26	-15.24	-.76	.56293	.88	1.72	183	
2	1	7	1	L	6.03	3.00	-3.00	.01	.64104	3.03	2.16	179	
2	2	-9	1	L	3.51	3.09	3.09	.07	.66968	.41	.16	1	
2	2	-8	1		51.97	55.97	-55.93	-2.10	.59166	-4.01	-7.42	183	
2	2	-7	1	L	2.94	1.00	-.99	.05	.51429	1.95	.93	177	
2	2	-6	1		73.08	80.08	-80.04	-2.33	.43791	-7.00	-8.47	182	
2	2	-5	1		17.79	20.84	-20.84	-.04	.36315	-3.05	-9.81	181	
2	2	-4	1		46.12	50.79	-50.76	-1.83	.29125	-4.67	-9.92	183	
2	2	-3	1		36.52	32.13	32.13	-.07	.22498	4.40	13.13	0	
2	2	-2	1		121.09	114.19	-114.17	-2.16	.17101	6.91	15.26	182	
2	2	-1	1		46.51	45.91	45.91	.34	.14393	.60	1.36	0	
2	2	0	1		190.43	196.49	-196.48	-2.31	.15820	-6.06	-13.96	181	
2	2	1	1		25.08	28.55	-28.55	-.05	.20538	-3.47	-12.25	181	
2	2	2	1		41.15	36.50	36.49	-.88	.26865	4.65	12.54	359	
2	2	3	1		18.70	21.42	-21.42	-.15	.33912	-2.72	-8.92	181	
2	2	4	1		24.02	25.17	-25.14	-1.07	.41313	-1.14	-3.51	183	
2	2	5	1		7.01	4.72	4.72	.14	.48907	2.29	2.46	1	
2	2	6	1		43.18	44.70	-44.69	-.92	.56616	-1.52	-3.64	182	
2	2	7	1		28.16	27.73	27.73	.37	.64400	.43	1.01	0	
2	3	-9	1	L	3.54	6.04	-6.04	.01	.67176	-2.49	-.99	179	
2	3	-8	1		15.28	16.41	-16.40	-.33	.59414	-1.13	-2.01	182	
2	3	-7	1	L	5.58	1.87	1.87	.09	.51728	3.71	3.39	2	
2	3	-6	1		9.00	6.18	6.18	-.06	.44159	2.82	4.45	0	
2	3	-5	1	L	2.44	1.79	-1.79	.05	.36778	.65	.37	178	
2	3	-4	1		8.07	9.43	-9.43	.04	.29726	-1.36	-2.92	179	
2	3	-3	1		10.32	11.02	-11.02	.04	.23304	-.70	-2.34	179	
2	3	-2	1		23.60	24.61	-24.61	.24	.18191	-1.01	-3.71	179	
2	3	-1	1	L	1.91	.35	-.35	.03	.15720	1.56	1.14	175	
2	3	0	1		21.45	23.13	23.13	.42	.17081	-1.69	-4.74	1	
2	3	1	1	L	2.06	3.68	-3.68	-.01	.21559	-1.62	-1.10	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	3	2	1		36.14	36.94	36.93	.55	.27681	-.80	-2.33	0	
2	3	3	1		13.06	16.06	-16.06	-.14	.34584	-2.99	-7.41	181	
2	3	4	1		11.96	13.18	13.17	.49	.41884	-1.23	-2.15	2	
2	3	5	1	L	5.81	2.36	2.36	.01	.49406	3.44	3.17	0	
2	3	6	1		7.19	8.54	-8.54	.23	.57061	-1.35	-1.24	178	
2	3	7	1	L	4.98	.19	.19	-.05	.64803	4.78	2.72	345	
2	4	-9	1		25.35	24.40	-24.40	-.31	.67487	.95	2.11	181	
2	4	-8	1		10.01	11.40	11.28	1.66	.59778	-1.39	-1.74	8	
2	4	-7	1		21.98	22.84	22.84	.20	.52160	-.86	-2.28	0	
2	4	-6	1		91.07	99.73	99.71	2.13	.44681	-8.66	-10.52	1	
2	4	-5	1		17.47	15.78	-15.78	-.33	.37424	1.69	5.30	182	
2	4	-4	1		13.95	17.08	17.04	1.11	.30547	-3.14	-10.19	3	
2	4	-3	1		14.08	16.78	16.77	.34	.24373	-2.69	-10.37	1	
2	4	-2	1		141.90	133.23	133.22	1.91	.19580	8.67	17.87	0	
2	4	-1	1		54.53	53.85	-53.85	-.41	.17353	.68	1.41	181	
2	4	0	1		61.11	61.94	-61.94	.49	.13635	-.83	-1.68	179	
2	4	1	1		46.20	47.72	-47.72	-.28	.22843	-1.51	-3.69	181	
2	4	2	1		84.36	89.17	89.16	1.12	.28718	-4.81	-7.82	0	
2	4	3	1		47.35	50.51	50.51	.28	.35442	-3.16	-7.22	0	
2	4	4	1		22.20	22.32	-22.32	.01	.42613	-.13	-.38	179	
2	4	5	1		29.95	29.19	-29.18	-.44	.50040	.76	2.36	181	
2	4	6	1		20.08	22.00	22.00	.18	.57624	-1.92	-4.21	0	
2	4	7	1		16.56	15.10	15.10	.22	.65311	1.46	2.45	0	
2	5	-9	1	L	3.51	2.02	2.02	-.05	.67899	1.49	.60	359	
2	5	-8	1		8.03	12.66	12.66	.27	.60256	-4.63	-4.54	1	
2	5	-7	1		6.47	3.65	-3.65	-.14	.52722	2.81	2.83	183	
2	5	-6	1	L	2.77	1.51	1.51	.06	.45353	1.27	.64	2	
2	5	-5	1		7.75	11.41	11.41	-.01	.38243	-3.66	-5.75	0	
2	5	-4	1		7.17	8.49	8.49	-.07	.31568	-1.32	-2.40	0	
2	5	-3	1		4.36	1.42	1.42	-.05	.25671	2.94	4.17	359	
2	5	-2	1		22.31	24.26	24.26	-.16	.21210	-1.96	-7.92	0	
2	5	-1	1		5.74	7.09	7.09	.00	.19213	-1.35	-2.71	0	
2	5	0	1		23.33	22.62	-22.61	-.26	.20415	.71	2.35	181	
2	5	1	1		10.01	11.96	11.96	.03	.24348	-1.95	-5.43	0	
2	5	2	1		6.58	7.81	7.81	-.10	.29955	-1.23	-1.93	0	
2	5	3	1	L	5.28	.94	.94	.02	.36472	4.34	4.72	1	
2	5	4	1	L	2.79	3.78	3.78	-.09	.43491	-.99	-.50	359	
2	5	5	1	L	3.06	7.00	7.00	.09	.50805	-3.94	-1.81	0	
2	5	6	1		7.97	7.69	7.69	.02	.58303	.27	.28	0	
2	5	7	1		14.87	17.20	17.20	.23	.65922	-2.33	-3.44	0	
2	6	-9	1		9.26	6.63	-6.63	-.01	.68412	2.64	2.66	181	
2	6	-8	1		24.59	26.66	-26.64	-1.04	.60846	-2.07	-4.97	183	
2	6	-7	1		26.08	28.60	-28.60	-.29	.53409	-2.52	-7.02	181	
2	6	-6	1		20.53	23.92	-23.91	-.67	.46166	-3.39	-9.22	182	
2	6	-5	1		12.27	9.31	9.31	.14	.39223	2.96	6.82	0	
2	6	-4	1		69.79	73.13	-73.12	-1.28	.32773	-3.34	-4.95	182	
2	6	-3	1		9.73	6.96	-6.94	.54	.27166	2.77	7.41	175	
2	6	-2	1		13.77	9.05	9.04	-.41	.23030	4.72	17.97	358	
2	6	-1	1		59.14	62.42	-62.42	-.36	.21241	-3.28	-6.25	181	
2	6	0	1		7.40	7.00	-6.99	.28	.22368	.40	.90	177	
2	6	1	1		59.16	61.10	-61.10	-.01	.26037	-1.93	-3.19	181	
2	6	2	1		50.04	50.19	-50.19	-.23	.31367	-.15	-.38	181	
2	6	3	1		89.85	95.44	95.43	.66	.37660	-5.58	-7.62	0	
2	6	4	1		20.03	21.16	-21.16	.36	.44509	-1.13	-3.07	179	
2	6	5	1		17.11	17.79	-17.79	.03	.51694	-.68	-1.49	179	
2	6	6	1		39.01	38.08	38.07	.85	.59092	.93	2.50	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	6	7	1		43.92	43.72	-43.72	-.34	.66632	.19	.46	181	
2	7	-9	1	L	3.61	.67	.66	.11	.69023	2.94	1.14	9	
2	7	-8	1	L	3.31	4.74	-4.74	-.08	.61544	-1.43	-.60	182	
2	7	-7	1	L	5.68	5.74	-5.74	.00	.54217	-.07	-.06	179	
2	7	-6	1	L	2.78	.60	-.60	-.00	.47115	2.18	1.10	181	
2	7	-5	1	L	4.04	2.18	-2.17	.09	.40354	1.86	1.55	177	
2	7	-4	1		7.99	8.35	-8.35	.08	.34140	-.36	-.65	179	
2	7	-3	1		6.41	10.45	-10.45	-.02	.28828	-4.03	-7.11	181	
2	7	-2	1		29.84	33.11	-33.11	-.02	.24999	-3.27	-9.77	181	
2	7	-1	1		7.38	10.21	-10.21	-.02	.23393	-2.83	-6.43	181	
2	7	0	1		6.95	8.24	-8.24	-.01	.24452	-1.30	-2.52	181	
2	7	1	1	L	4.27	2.62	-2.62	-.04	.27875	1.65	1.93	181	
2	7	2	1		7.37	9.96	9.96	-.09	.32932	-2.59	-3.38	0	
2	7	3	1		8.13	9.83	-9.83	-.05	.38993	-1.70	-2.56	181	
2	7	4	1		28.80	29.72	-29.72	-.37	.45659	-.93	-3.04	181	
2	7	5	1		7.65	7.38	-7.37	-.09	.52701	.28	.31	181	
2	7	6	1		14.87	15.43	-15.43	-.44	.59988	-.56	-.95	182	
2	7	7	1	L	6.06	9.14	-9.14	-.11	.67439	-3.08	-1.95	181	
2	8	-9	1		20.38	22.25	22.24	.42	.69729	-1.86	-3.29	1	
2	8	-8	1	L	5.29	5.81	5.79	.44	.62347	-.52	-.34	4	
2	8	-7	1		46.84	48.54	-48.53	-.80	.55141	-1.70	-3.65	181	
2	8	-6	1		8.30	7.53	7.52	.18	.48190	.77	1.07	1	
2	8	-5	1		39.90	42.19	42.19	.33	.41623	-2.30	-5.95	0	
2	8	-4	1		40.47	40.49	40.49	-.01	.35653	-.02	-.06	0	
2	8	-3	1		24.00	23.78	-23.78	-.12	.30629	.22	.76	181	
2	8	-2	1		126.33	116.71	-116.71	-1.14	.27084	9.62	16.53	181	
2	8	-1	1		29.24	31.90	-31.90	-.44	.25638	-2.66	-8.74	181	
2	8	0	1		71.80	73.61	73.61	.08	.26637	-1.82	-3.06	0	
2	8	1	1		41.91	43.47	-43.47	-.27	.29835	-1.56	-3.90	181	
2	8	2	1		152.88	157.64	-157.63	-1.79	.34629	-4.76	-7.04	181	
2	8	3	1		55.60	56.14	56.14	.12	.40455	-.54	-1.16	0	
2	8	4	1		11.35	11.86	11.82	-.86	.46930	-.50	-.87	356	
2	8	5	1	L	3.15	6.71	-6.71	-.02	.53820	-3.56	-1.58	181	
2	8	6	1		22.80	23.33	-23.31	-.92	.60986	-.52	-1.16	183	
2	8	7	1		51.98	52.03	-52.03	-.78	.68339	-.05	-.11	181	
2	9	-8	1	L	6.66	6.78	6.78	-.08	.63251	-.12	-.09	0	
2	9	-7	1		7.31	9.88	9.88	.08	.56174	-2.57	-2.65	0	
2	9	-6	1	L	5.51	3.35	-3.35	-.13	.49385	2.16	1.99	183	
2	9	-5	1		8.37	12.08	12.08	.01	.43018	-3.71	-5.59	0	
2	9	-4	1		12.27	16.18	16.18	-.02	.37292	-3.90	-9.17	0	
2	9	-3	1		10.17	12.11	12.11	.02	.32545	-1.94	-4.62	0	
2	9	-2	1		13.85	16.92	16.92	.10	.29260	-3.08	-9.27	0	
2	9	-1	1	L	3.06	1.19	1.19	.02	.27954	1.88	1.59	0	
2	9	0	1		15.48	18.15	18.15	.26	.28899	-2.67	-8.14	0	
2	9	1	1		7.41	10.86	10.86	.05	.31895	-3.46	-5.85	0	
2	9	2	1		7.91	6.30	6.29	.37	.36439	1.61	2.50	3	
2	9	3	1		13.82	13.86	13.86	.13	.42033	-.04	-.10	0	
2	9	4	1		26.15	27.72	27.71	.60	.48313	-1.57	-4.65	1	
2	9	5	1	L	3.15	3.90	3.90	.08	.55044	-.75	-.34	1	
2	9	6	1		23.37	24.01	24.00	.77	.62080	-.64	-1.43	1	
2	9	7	1		9.16	5.71	-5.71	-.05	.69329	3.45	3.22	181	
2	10	-8	1		20.94	23.92	23.92	.43	.64251	-2.98	-5.96	1	
2	10	-7	1		9.84	7.44	-7.44	.05	.57311	2.40	3.21	179	
2	10	-6	1		6.79	6.89	-6.87	.51	.50689	-.11	-.11	175	
2	10	-5	1		51.85	54.39	54.39	.43	.44527	-2.54	-5.02	0	
2	10	-4	1		99.57	97.43	97.42	1.42	.39042	2.14	2.88	0	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	10	-3	1		18.22	18.29	18.29	.07	.34559	-.08	-.26	0	
2	10	-2	1		26.69	24.18	24.14	1.29	.31508	2.52	8.26	3	
2	10	-1	1		13.72	14.33	14.32	.17	.30325	-.61	-1.84	0	
2	10	0	1		79.59	79.83	79.82	1.55	.31222	-.24	-.37	1	
2	10	1	1	L	4.52	6.02	6.02	.14	.34036	-1.50	-1.48	1	
2	10	2	1		88.44	91.91	91.89	1.75	.38347	-3.47	-4.69	1	
2	10	3	1		33.55	35.16	35.16	.28	.43715	-1.61	-4.60	0	
2	10	4	1		27.35	28.17	28.13	1.44	.49798	-.82	-2.40	2	
2	10	5	1	L	3.16	.17	-.17	.01	.56366	2.99	1.33	176	
2	10	6	1		57.82	56.83	56.81	1.51	.63267	.98	1.97	1	
2	10	7	1		12.85	11.83	11.83	.18	.70405	1.02	1.26	0	
2	11	-8	1	L	5.76	3.15	3.15	.22	.65343	2.61	1.73	4	
2	11	-7	1		11.32	8.88	8.88	.12	.58546	2.44	3.55	0	
2	11	-6	1		7.53	4.34	4.34	.20	.52096	3.19	3.70	2	
2	11	-5	1		7.28	10.00	-10.00	-.12	.46139	-2.72	-3.34	181	
2	11	-4	1		12.70	14.56	-14.56	-.02	.40889	-1.85	-3.94	181	
2	11	-3	1		11.44	13.12	-13.12	-.07	.36653	-1.69	-3.91	181	
2	11	-2	1		24.66	25.77	-25.77	-.19	.33814	-1.11	-3.91	181	
2	11	-1	1	L	3.55	4.28	-4.28	-.08	.32738	-.73	-.62	182	
2	11	0	1	L	2.58	1.48	-1.43	-.35	.33594	1.10	.60	194	
2	11	1	1		9.00	10.69	-10.69	-.08	.36245	-1.68	-2.99	181	
2	11	2	1		19.94	21.69	-21.68	-.63	.40339	-1.75	-5.05	182	
2	11	3	1		7.52	6.52	6.52	.01	.45489	1.00	1.21	0	
2	11	4	1		29.44	30.41	-30.40	-.83	.51377	-.97	-2.90	182	
2	11	5	1		8.45	9.44	-9.44	-.08	.57779	-.99	-1.08	181	
2	11	6	1		22.65	22.09	-22.08	-.81	.64541	.55	1.15	183	
2	12	-8	1		16.49	16.73	-16.69	-1.14	.66523	-.23	-.39	184	
2	12	-7	1		45.47	46.19	46.19	.60	.59873	-.72	-1.55	0	
2	12	-6	1		61.57	65.59	-65.57	-1.76	.53597	-4.02	-7.21	182	
2	12	-5	1	L	2.86	3.96	-3.95	-.34	.47842	-1.11	-.54	185	
2	12	-4	1		54.38	54.62	-54.59	-1.77	.42820	-.23	-.48	182	
2	12	-3	1	L	4.36	6.54	-6.53	-.28	.38815	-2.18	-1.94	183	
2	12	-2	1		8.98	1.35	-.06	-1.35	.36168	7.63	14.30	268	
2	12	-1	1		9.78	7.39	-7.39	-.00	.35185	2.39	4.71	181	
2	12	0	1		196.20	202.41	-202.39	-3.11	.36003	-6.21	-8.99	181	
2	12	1	1		6.65	4.28	4.28	.07	.38509	2.37	3.01	0	
2	12	2	1		54.32	53.49	53.48	-1.17	.42403	.82	1.70	359	
2	12	3	1		18.16	21.63	-21.62	-.15	.47344	-3.46	-8.32	181	
2	12	4	1		51.80	52.70	-52.67	-1.76	.53041	-.90	-1.80	182	
2	12	5	1	L	3.28	1.70	1.69	-.23	.59276	1.58	.67	353	
2	12	6	1		50.24	50.10	-50.07	-1.54	.65896	.14	.31	182	
2	13	-8	1		13.56	13.77	-13.77	-.40	.67786	-.21	-.29	182	
2	13	-7	1	L	3.36	6.27	6.27	.10	.61285	-2.91	-1.21	0	
2	13	-6	1	L	3.12	1.53	-1.52	-.21	.55184	1.58	.71	188	
2	13	-5	1	L	3.55	7.46	7.45	.13	.49629	-3.90	-2.28	0	
2	13	-4	1	L	5.62	7.18	7.18	.02	.44825	-1.56	-1.38	0	
2	13	-3	1	L	5.00	4.06	-4.06	.06	.41035	.94	.90	179	
2	13	-2	1		15.69	16.19	16.19	.22	.38559	-.49	-1.31	0	
2	13	-1	1	L	2.60	.57	.56	.08	.37659	2.03	1.09	7	
2	13	0	1		9.05	10.63	10.62	.49	.38445	-1.58	-2.57	2	
2	13	1	1		6.62	7.29	7.29	.09	.40819	-.66	-.79	0	
2	13	2	1		20.12	20.62	20.61	.69	.44528	-.50	-1.35	1	
2	13	3	1		6.67	7.07	7.07	.06	.49273	-.40	-.41	0	
2	13	4	1		20.95	21.14	21.13	.81	.54783	-.19	-.46	2	
2	13	5	1	L	4.63	1.43	-1.43	-.04	.60852	3.20	1.84	182	
2	13	6	1		25.03	24.45	24.44	.90	.67329	.58	1.19	2	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	14	-8	1		44.76	48.56	48.53	1.68	.69127	-3.80	-8.80	1	
2	14	-7	1		43.66	44.94	44.94	.64	.62778	-1.28	-3.08	0	
2	14	-6	1		13.60	16.17	16.08	1.67	.56850	-2.36	-4.04	5	
2	14	-5	1		12.47	13.34	13.34	.08	.51490	-.87	-1.54	0	
2	14	-4	1		105.84	105.29	105.26	2.38	.46893	.56	.66	1	
2	14	-3	1		24.29	22.06	-22.06	-.28	.43302	2.23	6.97	181	
2	14	-2	1		65.43	62.31	62.26	2.48	.40982	3.12	5.56	2	
2	14	-1	1		11.49	15.10	15.10	.10	.40156	-3.61	-7.29	0	
2	14	0	1		60.54	63.39	63.37	1.70	.40912	-2.85	-5.05	1	
2	14	1	1		11.76	13.44	13.43	.19	.43168	-1.68	-3.18	0	
2	14	2	1		61.42	63.55	63.52	2.02	.46708	-2.13	-3.36	1	
2	14	3	1		27.76	27.36	-27.35	-.45	.51265	.40	1.16	181	
2	14	4	1		68.42	68.90	68.87	1.95	.56595	-.47	-.82	1	
2	14	5	1		18.08	18.35	18.35	.03	.62501	-.27	-.50	0	
2	14	6	1		10.44	8.91	8.87	.83	.68834	1.54	1.62	5	
2	15	-7	1	L	6.72	9.99	-9.98	-.28	.64345	-3.26	-2.44	182	
2	15	-6	1		13.17	13.34	13.34	.29	.58589	-.17	-.27	1	
2	15	-5	1		8.57	8.97	-8.97	-.11	.53418	-.40	-.51	181	
2	15	-4	1	L	2.88	1.42	-1.42	.03	.49017	1.46	.71	178	
2	15	-3	1		6.80	7.58	-7.58	-.16	.45610	-.78	-.89	182	
2	15	-2	1		20.53	20.61	-20.60	-.34	.43432	-.08	-.21	181	
2	15	-1	1	L	2.76	2.84	-2.84	-.08	.42670	-.08	-.04	182	
2	15	0	1	L	3.79	8.15	-8.13	-.46	.43400	-4.36	-2.84	184	
2	15	1	1		10.72	11.24	11.24	.02	.45550	-.52	-.87	0	
2	15	2	1		7.96	9.57	-9.55	-.62	.48933	-1.61	-1.93	184	
2	15	3	1	L	6.36	7.49	-7.49	-.04	.53315	-1.13	-1.02	181	
2	15	4	1		20.50	19.95	-19.93	-.71	.58471	.55	1.18	183	
2	15	5	1	L	6.32	5.93	5.93	.05	.64216	.39	.29	0	
2	15	6	1		17.54	17.56	-17.54	-.76	.70406	-.01	-.02	183	
2	16	-7	1		34.68	37.53	-37.52	-.49	.65981	-2.84	-7.20	181	
2	16	-6	1		73.29	75.19	-75.15	-2.21	.60394	-1.90	-2.60	182	
2	16	-5	1		12.66	11.15	11.15	.35	.55405	1.50	2.53	1	
2	16	-4	1		15.11	14.12	-14.01	-1.77	.51190	.99	2.11	188	
2	16	-3	1		36.97	37.44	-37.44	-.15	.47954	-.47	-1.24	181	
2	16	-2	1		134.22	133.41	-133.38	-2.64	.45903	.82	1.01	182	
2	16	-1	1	L	4.08	1.45	1.44	.22	.45200	2.63	1.85	8	
2	16	0	1		54.49	55.55	-55.52	-1.55	.45906	-1.05	-2.06	182	
2	16	1	1	L	2.96	1.11	-1.06	.30	.47960	1.85	.88	164	
2	16	2	1		67.94	68.07	-68.04	-1.93	.51199	-.13	-.20	182	
2	16	3	1		13.36	15.53	-15.53	-.05	.55415	-2.17	-3.64	181	
2	16	4	1	L	6.12	8.50	-8.46	-.79	.60405	-2.38	-1.78	186	
2	16	5	1		13.21	11.03	11.02	.47	.65993	2.18	2.92	2	
2	17	-7	1		7.63	1.94	1.94	.15	.67681	5.68	4.75	4	
2	17	-6	1	L	3.44	1.57	-1.56	-.16	.62259	1.87	.76	186	
2	17	-5	1	L	3.11	.22	.17	.14	.57446	2.89	1.30	40	
2	17	-4	1	L	5.81	1.53	-1.53	-.02	.53406	4.28	3.77	181	
2	17	-3	1	L	3.19	1.86	1.85	.13	.50328	1.33	.67	4	
2	17	-2	1	L	2.95	.41	.34	.24	.48394	2.54	1.20	35	
2	17	-1	1	L	2.96	4.36	-4.35	.05	.47743	-1.40	-.66	179	
2	17	0	1	L	2.96	3.10	3.08	.36	.48428	-.14	-.07	6	
2	17	1	1	L	4.33	4.22	4.22	.04	.50394	.11	.07	0	
2	17	2	1	L	5.36	6.85	6.83	.51	.53499	-1.49	-1.10	4	
2	17	3	1		9.36	10.26	-10.26	-.12	.57561	-.90	-1.05	181	
2	17	4	1		22.54	21.20	21.19	.61	.62392	1.35	2.92	1	
2	17	5	1	L	6.60	6.24	-6.24	-.13	.67828	.36	.26	182	
2	18	-7	1		29.54	29.27	-29.26	-.60	.69441	.27	.61	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	18	-6	1		93.06	93.73	93.70	2.26	.64179	-.67	-.89	1	
2	18	-5	1		20.79	19.76	-19.76	-.25	.59534	1.03	2.19	181	
2	18	-4	1		34.03	33.79	33.74	1.78	.55660	.24	.67	3	
2	18	-3	1		23.07	23.06	23.06	.06	.52728	.01	.03	0	
2	18	-2	1		22.12	23.21	23.18	1.18	.50900	-1.09	-2.86	2	
2	18	-1	1		6.88	7.36	-7.35	-.38	.50297	-.47	-.49	183	
2	18	0	1		44.73	44.64	44.60	1.69	.50962	.10	.22	2	
2	18	1	1		30.08	29.01	-29.00	-.63	.52848	1.07	3.12	182	
2	18	2	1		25.68	26.63	26.61	.97	.55831	-.95	-2.46	2	
2	18	3	1		14.76	13.93	13.93	-.05	.59747	.83	1.40	0	
2	18	4	1	L	5.02	1.54	1.50	.39	.64426	3.47	1.95	14	
2	18	5	1		16.24	13.26	-13.25	-.31	.69714	2.99	4.44	182	
2	19	-6	1		11.55	12.17	12.16	.23	.66150	-.61	-.75	1	
2	19	-5	1	L	5.27	.71	.68	-.20	.61666	4.57	2.89	344	
2	19	-4	1		8.83	4.42	-4.42	-.12	.57948	4.41	5.20	182	
2	19	-3	1	L	3.16	1.74	1.74	-.07	.55151	1.42	.63	358	
2	19	-2	1	L	3.60	2.00	-2.00	-.14	.53420	1.60	.83	184	
2	19	-1	1		7.62	8.01	8.01	-.02	.52860	-.38	-.43	0	
2	19	0	1	L	5.02	3.75	3.74	-.28	.53508	1.27	.91	356	
2	19	1	1	L	3.21	3.86	3.86	.06	.55320	-.65	-.28	0	
2	19	2	1		7.36	5.23	5.23	-.25	.58190	2.13	1.96	358	
2	19	3	1		7.47	5.11	5.11	.11	.61969	2.36	2.09	1	
2	19	4	1	L	5.60	5.21	-5.20	-.27	.66503	.40	.24	183	
2	20	-6	1	L	5.42	2.16	2.02	-.77	.68166	3.26	1.95	340	
2	20	-5	1		29.63	29.39	-29.39	-.22	.63836	.24	.59	181	
2	20	-4	1		36.42	36.06	-36.04	-1.46	.60264	.36	.91	183	
2	20	-3	1		50.94	50.66	50.65	1.01	.57593	.28	.57	1	
2	20	-2	1		32.16	30.79	-30.78	-.90	.55952	1.37	3.88	182	
2	20	-1	1		10.25	9.92	9.92	.33	.55431	.32	.42	1	
2	20	0	1		46.54	45.53	-45.53	-.75	.56062	1.01	2.12	181	
2	20	1	1		23.03	23.11	-23.11	-.02	.57808	-.08	-.19	181	
2	20	2	1		63.60	59.88	59.88	.31	.60572	3.72	6.01	0	
2	20	3	1		52.56	50.15	50.14	.95	.64223	2.41	4.97	1	
2	20	4	1		62.74	58.83	-58.82	-.74	.68620	3.91	7.24	181	
2	21	-6	1		9.36	8.75	-8.75	-.13	.70224	.61	.58	181	
2	21	-5	1	L	5.54	7.41	7.41	.18	.66041	-1.87	-1.15	1	
2	21	-4	1		7.46	5.59	-5.59	.03	.62607	1.87	1.68	179	
2	21	-3	1		8.17	7.72	-7.72	.00	.60053	.45	.44	179	
2	21	-2	1	L	3.30	1.17	1.17	.09	.58494	2.13	.90	4	
2	21	-1	1		9.25	9.81	-9.81	-.06	.58009	-.56	-.66	181	
2	21	0	1	L	5.38	3.84	-3.84	.14	.58626	1.54	1.07	177	
2	21	1	1		7.24	4.07	-4.07	-.10	.60310	3.17	2.88	182	
2	21	2	1	L	3.50	.89	.88	.08	.62976	2.61	1.05	5	
2	21	3	1	L	6.09	6.49	-6.49	-.15	.66507	-.40	-.26	182	
2	22	-5	1		8.65	9.59	-9.57	-.59	.68277	-.94	-.85	184	
2	22	-4	1		8.76	6.80	6.80	.22	.64974	1.96	1.95	1	
2	22	-3	1	L	3.36	1.75	-1.73	-.31	.62529	1.61	.67	191	
2	22	-2	1		21.12	20.72	20.71	.24	.61045	.40	.83	0	
2	22	-1	1		7.90	8.43	-8.41	-.52	.60593	-.52	-.49	184	
2	22	0	1	L	5.49	3.28	-3.28	-.23	.61196	2.21	1.47	185	
2	22	1	1		24.44	25.19	-25.18	-.59	.62824	-.75	-1.63	182	
2	22	2	1	L	3.50	.58	.52	-.25	.65399	2.92	1.17	335	
2	22	3	1		14.21	12.27	12.27	-.21	.68816	1.94	2.62	359	
2	23	-4	1	L	6.39	7.68	7.68	.03	.67362	-1.29	-.90	0	
2	23	-3	1	L	3.53	1.77	-1.77	-.06	.65018	1.75	.70	182	
2	23	-2	1	L	4.68	4.58	-4.58	-.12	.63604	.10	.05	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
2	23	-1	1		7.47	5.81	5.81	.10	.63182	1.66	1.48	1	
2	23	0	1		18.28	18.01	18.01	.15	.63773	.27	.48	0	
2	23	1	1		10.09	9.58	9.58	.15	.65348	.51	.56	0	
2	23	2	1	L	3.67	5.82	5.82	.14	.67839	-2.15	-.82	1	
2	24	-4	1		36.55	36.64	36.63	.70	.69768	-.09	-.23	1	
2	24	-3	1		39.86	37.85	-37.85	-.08	.67519	2.02	4.77	181	
2	24	-2	1	L	3.52	1.30	1.17	.56	.66170	2.22	.88	25	
2	24	-1	1		13.24	15.12	15.12	.45	.65777	-1.88	-2.53	1	
2	24	0	1		55.62	56.40	56.39	1.10	.66355	-.78	-1.45	1	
2	24	1	1		28.79	29.87	29.86	.74	.67882	-1.08	-2.37	1	
2	24	2	1		18.14	16.54	-16.53	.46	.70293	1.61	2.58	178	
2	25	-3	1	L	4.61	9.08	-9.08	-.12	.70031	-4.48	-2.03	181	
2	25	-2	1		8.83	7.20	-7.20	-.05	.68742	1.64	1.47	181	
2	25	-1	1	L	3.61	5.54	-5.54	-.14	.68375	-1.92	-.75	182	
2	25	0	1		11.29	11.87	-11.86	-.20	.68943	-.57	-.61	181	
2	25	1	1	L	3.74	5.30	-5.30	-.17	.70424	-1.56	-.59	182	
3	-26	-1	1	L	3.70	1.37	-1.35	.20	.70070	2.33	.88	171	
3	-26	0	1		10.27	12.25	-12.23	-.64	.70446	-1.98	-1.90	183	
3	-25	-3	1		16.48	15.32	15.31	.26	.69547	1.16	1.78	0	
3	-25	-2	1		22.54	23.08	-23.03	-1.46	.68076	-.54	-1.05	184	
3	-25	-1	1		28.73	28.02	28.01	.36	.67529	.71	1.57	0	
3	-25	0	1		73.14	75.53	-75.50	-2.02	.67930	-2.39	-3.56	182	
3	-25	1	1		22.14	24.60	-24.60	-.48	.69262	-2.46	-4.54	182	
3	-24	-4	1	L	4.30	7.45	7.45	.32	.69481	-3.16	-1.37	2	
3	-24	-3	1	L	3.60	4.46	-4.46	-.15	.67069	-.86	-.34	182	
3	-24	-2	1		23.14	21.66	21.65	.64	.65553	1.47	3.04	1	
3	-24	-1	1	L	4.25	1.23	-1.22	-.12	.64997	3.03	1.48	186	
3	-24	0	1		15.42	19.19	19.18	.65	.65425	-3.77	-5.39	1	
3	-24	1	1	L	7.24	5.13	5.13	-.06	.66818	2.11	1.62	0	
3	-24	2	1		24.02	25.67	25.65	.97	.69118	-1.66	-3.25	2	
3	-23	-5	1		27.18	24.82	-24.82	-.24	.70411	2.35	4.91	181	
3	-23	-4	1		64.33	64.60	64.57	1.82	.67093	-.27	-.51	1	
3	-23	-3	1	L	3.44	.79	.79	.09	.64603	2.65	1.08	6	
3	-23	-2	1		9.45	11.85	11.77	1.34	.63041	-2.40	-2.59	6	
3	-23	-1	1		39.68	41.40	41.39	.55	.62475	-1.71	-4.81	0	
3	-23	0	1		26.95	29.27	29.24	1.41	.62932	-2.32	-5.35	2	
3	-23	1	1	L	6.00	6.19	-6.19	.10	.64391	-.19	-.13	179	
3	-23	2	1		51.00	53.49	53.47	1.47	.66786	-2.48	-5.34	1	
3	-23	3	1	L	3.73	3.19	-3.19	.05	.70021	.54	.20	179	
3	-22	-5	1	L	4.92	.38	-.38	.04	.68148	4.54	2.41	173	
3	-22	-4	1	L	6.31	8.51	-8.50	-.40	.64726	-2.20	-1.53	183	
3	-22	-3	1	L	5.30	4.70	-4.70	.04	.62153	.60	.39	179	
3	-22	-2	1		11.14	10.63	-10.61	-.50	.60540	.51	.67	183	
3	-22	-1	1		7.79	10.08	10.08	.08	.59963	-2.29	-2.12	0	
3	-22	0	1		27.49	28.99	-28.98	-.77	.60452	-1.50	-3.71	182	
3	-22	1	1	L	3.44	5.87	-5.87	-.09	.61981	-2.44	-.99	181	
3	-22	2	1	L	3.51	.59	.24	-.53	.64478	2.93	1.17	295	
3	-22	3	1	L	3.65	3.68	-3.68	-.12	.67834	-.03	-.01	182	
3	-21	-6	1		57.55	55.94	-55.91	-1.67	.70187	1.61	2.94	182	
3	-21	-5	1	L	6.07	6.05	6.05	.14	.65914	.03	.02	1	
3	-21	-4	1		30.77	31.55	-31.52	-1.33	.62381	-.78	-2.02	183	
3	-21	-3	1		29.75	30.55	-30.54	-.48	.59720	-.80	-2.13	181	
3	-21	-2	1		55.46	59.47	-59.44	-1.63	.58053	-4.01	-7.60	182	
3	-21	-1	1	L	5.07	5.20	-5.19	-.35	.57464	-.13	-.09	184	
3	-21	0	1	L	5.64	6.71	-6.68	-.67	.57987	-1.08	-.79	186	
3	-21	1	1		17.27	19.12	-19.12	-.29	.59592	-1.85	-3.44	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-21	2	1		69.35	72.46	-72.45	-1.38	.62196	-3.11	-5.01	182	
3	-21	3	1		22.09	22.94	-22.94	-.57	.65681	-.85	-1.68	182	
3	-21	4	1		9.26	5.67	5.66	-.28	.69914	3.59	3.27	358	
3	-20	-6	1		7.48	6.38	6.38	.20	.68112	1.10	.88	1	
3	-20	-5	1	L	3.38	2.77	-2.77	-.00	.63711	.61	.25	181	
3	-20	-4	1	L	3.56	.63	-.55	.30	.60061	2.93	1.34	151	
3	-20	-3	1	L	3.18	3.39	-3.39	.01	.57306	-.21	-.09	179	
3	-20	-2	1	L	5.73	5.82	5.81	.34	.55580	-.10	-.08	3	
3	-20	-1	1		7.63	8.67	8.67	.16	.54978	-1.03	-1.07	1	
3	-20	0	1		8.39	8.83	8.81	.52	.55538	-.44	-.49	3	
3	-20	1	1	L	3.27	3.94	3.93	.14	.57226	-.67	-.29	2	
3	-20	2	1		9.44	9.41	9.40	.39	.59946	.02	.03	2	
3	-20	3	1	L	5.89	8.81	-8.81	.07	.63566	-2.92	-1.95	179	
3	-20	4	1	L	7.14	3.05	3.03	.34	.67942	4.09	3.13	6	
3	-19	-6	1		33.53	32.96	32.94	1.17	.66077	.57	1.41	2	
3	-19	-5	1		42.36	43.76	43.75	.74	.61543	-1.40	-3.53	0	
3	-19	-4	1	L	3.87	4.68	-4.64	.62	.57770	-.81	-.42	172	
3	-19	-3	1		17.68	19.03	19.03	.55	.54914	-1.35	-2.87	1	
3	-19	-2	1		36.15	37.53	37.51	1.02	.53124	-1.38	-3.97	1	
3	-19	-1	1		19.02	19.46	-19.46	-.00	.52509	-.44	-1.01	181	
3	-19	0	1		64.34	66.02	66.02	.89	.53109	-1.69	-3.06	0	
3	-19	1	1		15.20	15.47	15.47	.50	.54885	-.27	-.52	1	
3	-19	2	1		30.55	30.67	-30.67	-.11	.57729	-.12	-.32	181	
3	-19	3	1		41.72	43.15	43.14	.71	.61492	-1.42	-3.35	0	
3	-19	4	1		10.77	7.98	-7.98	-.02	.66017	2.79	3.24	181	
3	-18	-7	1	L	3.57	2.18	2.18	-.00	.69373	1.40	.55	0	
3	-18	-6	1	L	3.45	1.95	-1.94	-.15	.64087	1.51	.61	185	
3	-18	-5	1	L	3.20	.94	-.94	-.05	.59414	2.26	.99	184	
3	-18	-4	1	L	3.15	3.95	3.95	-.16	.55510	-.80	-.35	358	
3	-18	-3	1	L	3.05	4.75	4.74	-.11	.52546	-1.70	-.78	359	
3	-18	-2	1		19.85	18.67	-18.67	-.33	.50688	1.18	2.92	181	
3	-18	-1	1	L	3.03	2.38	-2.37	-.17	.50057	.65	.30	185	
3	-18	0	1		8.75	8.37	8.37	-.03	.50702	.38	.49	0	
3	-18	1	1	L	3.09	2.60	-2.59	-.22	.52574	.49	.22	185	
3	-18	2	1		6.72	4.77	4.77	-.07	.55549	1.95	1.86	0	
3	-18	3	1		14.18	11.11	-11.11	-.29	.59463	3.07	5.01	182	
3	-18	4	1		7.36	6.49	6.49	.11	.64144	.87	.73	0	
3	-18	5	1	L	4.91	.52	.49	-.17	.69436	4.39	2.24	341	
3	-17	-7	1	L	6.51	.86	.82	-.26	.67573	5.65	3.97	343	
3	-17	-6	1		14.02	12.64	-12.64	-.36	.62147	1.38	2.15	182	
3	-17	-5	1		12.53	10.42	-10.40	-.57	.57329	2.11	3.55	184	
3	-17	-4	1		56.73	56.80	-56.80	-.99	.53286	-.08	-.16	181	
3	-17	-3	1		10.50	9.89	9.88	-.05	.50206	.61	.94	0	
3	-17	-2	1		77.43	78.92	78.92	.59	.48273	-1.49	-2.40	0	
3	-17	-1	1		35.62	37.09	-37.08	-.77	.47627	-1.47	-4.35	182	
3	-17	0	1		13.32	15.13	-15.13	-.03	.48320	-1.81	-3.48	181	
3	-17	1	1		21.88	22.65	-22.65	-.41	.50296	-.77	-1.99	182	
3	-17	2	1		12.91	12.55	12.55	.40	.53412	.36	.61	1	
3	-17	3	1		43.37	43.73	43.73	.30	.57485	-.36	-.92	0	
3	-17	4	1		25.48	23.42	-23.42	.19	.62326	2.06	4.82	179	
3	-17	5	1		30.45	30.11	-30.10	-.74	.67772	.35	.81	182	
3	-16	-7	1	L	5.76	.15	-.13	.07	.65831	5.61	3.80	152	
3	-16	-6	1		8.95	9.24	-9.24	.07	.60260	-.28	-.32	179	
3	-16	-5	1	L	3.03	1.21	1.21	.08	.55292	1.82	.84	3	
3	-16	-4	1		10.98	11.01	-11.01	.01	.51103	-.03	-.06	179	
3	-16	-3	1	L	5.98	4.42	-4.42	.17	.47899	1.55	1.52	177	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-16	-2	1	L	4.56	2.88	2.88	.01	.45885	1.68	1.28	0	
3	-16	-1	1	L	4.41	2.45	-2.44	.17	.45222	1.96	1.52	176	
3	-16	0	1	L	2.89	4.72	-4.72	-.19	.45967	-1.83	-.89	183	
3	-16	1	1	L	4.77	4.07	4.06	.25	.48055	.70	.53	3	
3	-16	2	1		15.33	16.74	-16.73	-.37	.51323	-1.41	-2.85	182	
3	-16	3	1		12.50	10.30	10.29	.38	.55563	2.20	3.46	2	
3	-16	4	1		32.74	34.04	-34.03	-.70	.60571	-1.30	-3.48	182	
3	-16	5	1		8.00	8.75	-8.75	.06	.66172	-.76	-.66	179	
3	-15	-8	1	L	3.65	4.81	4.81	.03	.70318	-1.17	-.45	0	
3	-15	-7	1		46.38	44.81	44.80	.79	.64150	1.57	3.74	1	
3	-15	-6	1		8.78	3.73	-3.72	-.16	.58432	5.05	6.07	183	
3	-15	-5	1		7.67	4.04	-4.04	.20	.53308	3.63	4.20	177	
3	-15	-4	1	L	3.52	3.42	-3.39	-.43	.48966	.10	.06	188	
3	-15	-3	1		8.73	8.81	8.80	.39	.45628	-.07	-.11	2	
3	-15	-2	1		17.27	17.01	-17.00	-.63	.43527	.26	.66	183	
3	-15	-1	1		43.28	45.32	45.31	.48	.42845	-2.03	-5.23	0	
3	-15	0	1		19.01	18.26	18.24	-.85	.43648	.75	2.04	358	
3	-15	1	1		8.95	8.91	-8.91	.20	.45859	.04	.05	178	
3	-15	2	1		58.39	59.41	-59.40	-1.17	.49288	-1.02	-1.93	182	
3	-15	3	1		17.49	17.24	17.24	.15	.53703	.26	.55	0	
3	-15	4	1		15.77	12.22	-12.19	-.98	.58882	3.55	6.35	185	
3	-15	5	1		16.60	15.34	15.34	.18	.64642	1.25	2.12	0	
3	-14	-8	1	L	3.58	3.04	-3.04	-.12	.68838	.53	.21	183	
3	-14	-7	1	L	4.39	5.04	5.04	-.01	.62537	-.65	-.35	0	
3	-14	-6	1		10.78	9.38	9.38	-.01	.56670	1.40	2.06	0	
3	-14	-5	1	L	2.92	3.60	3.60	-.12	.51385	-.68	-.33	359	
3	-14	-4	1	L	5.23	7.15	7.15	.07	.46881	-1.92	-1.66	0	
3	-14	-3	1		7.87	6.90	-6.90	-.17	.43400	.97	1.37	182	
3	-14	-2	1		24.18	25.72	25.71	.39	.41204	-1.54	-5.11	0	
3	-14	-1	1	L	2.71	1.94	1.92	-.24	.40501	.77	.40	353	
3	-14	0	1		18.11	20.24	20.24	.50	.41368	-2.13	-5.79	1	
3	-14	1	1		6.62	4.43	-4.43	-.24	.43712	2.19	2.47	184	
3	-14	2	1		28.96	29.37	29.36	.75	.47313	-.41	-1.29	1	
3	-14	3	1		16.80	18.30	18.30	-.08	.51911	-1.51	-3.21	0	
3	-14	4	1		23.21	23.88	23.86	.86	.57265	-.66	-1.55	2	
3	-14	5	1	L	7.00	5.75	-5.74	-.33	.63185	1.25	1.03	184	
3	-14	6	1		31.09	32.03	32.01	1.13	.69525	-.94	-2.14	2	
3	-13	-8	1		17.43	17.59	17.59	.49	.67430	-.16	-.27	1	
3	-13	-7	1	L	6.44	6.71	-6.70	-.30	.60996	-.26	-.21	183	
3	-13	-6	1		37.98	37.71	-37.70	.37	.54978	.27	.74	179	
3	-13	-5	1		9.16	8.77	-8.77	-.21	.49529	.39	.56	182	
3	-13	-4	1		137.46	142.70	142.69	2.07	.44855	-5.24	-6.51	0	
3	-13	-3	1		48.13	48.79	-48.78	-.84	.41222	-.65	-1.58	181	
3	-13	-2	1		34.45	36.19	-36.18	.91	.38923	-1.74	-4.86	178	
3	-13	-1	1		68.71	73.45	73.45	.36	.38198	-4.75	-8.95	0	
3	-13	0	1		64.59	69.03	69.01	1.68	.39136	-4.44	-8.13	1	
3	-13	1	1		13.40	13.89	-13.89	-.08	.41623	-.48	-1.07	181	
3	-13	2	1		36.03	35.50	35.47	1.41	.45407	.53	1.44	2	
3	-13	3	1		60.27	58.38	-58.37	-.71	.50195	1.90	3.51	181	
3	-13	4	1		68.31	66.54	66.51	1.83	.55728	1.78	3.11	1	
3	-13	5	1		39.58	40.16	40.15	.63	.61807	-.58	-1.32	0	
3	-13	6	1		10.71	9.34	9.30	.80	.68287	1.37	1.49	4	
3	-12	-8	1	L	3.86	.13	.06	.12	.66098	3.73	1.65	64	
3	-12	-7	1	L	3.18	.71	-.71	.04	.59533	2.47	1.09	176	
3	-12	-6	1	L	3.04	8.68	-8.68	-.06	.53364	-5.64	-2.60	181	
3	-12	-5	1	L	4.66	4.95	-4.95	.12	.47747	-.29	-.24	178	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-12	-4	1		17.15	19.02	-19.02	-.29	.42897	-1.87	-4.88	181	
3	-12	-3	1		7.07	9.27	-9.27	.10	.39102	-2.20	-3.05	179	
3	-12	-2	1		11.13	11.38	-11.37	-.50	.36691	-.26	-.56	183	
3	-12	-1	1		9.90	7.28	7.28	.20	.35942	2.62	5.17	1	
3	-12	0	1		18.06	20.10	-20.09	-.72	.36958	-2.04	-5.87	183	
3	-12	1	1		12.62	12.10	12.09	.25	.39602	.52	1.14	1	
3	-12	2	1		56.44	58.02	-58.01	-1.14	.43579	-1.58	-3.24	182	
3	-12	3	1	L	2.96	1.69	-1.69	.12	.48563	1.27	.60	176	
3	-12	4	1		25.68	25.96	-25.94	-1.04	.54277	-.27	-.72	183	
3	-12	5	1	L	4.58	.40	-.37	.16	.60514	4.18	2.41	156	
3	-12	6	1		28.27	27.82	-27.79	-1.18	.67130	.45	1.02	183	
3	-11	-8	1		25.49	26.24	-26.21	-1.28	.64847	-.76	-1.72	183	
3	-11	-7	1	L	5.06	3.78	-3.77	.26	.58153	1.28	.92	176	
3	-11	-6	1		76.42	79.73	-79.71	-1.97	.51836	-3.31	-5.13	182	
3	-11	-5	1		18.26	20.26	-20.26	.22	.46049	-2.00	-5.17	179	
3	-11	-4	1		56.16	56.86	-56.84	-1.45	.41017	-.69	-1.50	182	
3	-11	-3	1		7.54	7.89	-7.89	-.18	.37051	-.36	-.57	182	
3	-11	-2	1		76.36	78.28	-78.25	-2.06	.34518	-1.92	-2.76	182	
3	-11	-1	1		32.40	33.12	33.12	.50	.33743	-.72	-2.19	0	
3	-11	0	1		135.31	144.05	-144.03	-2.37	.34845	-8.75	-12.84	181	
3	-11	1	1		9.10	9.65	-9.65	.06	.37658	-.56	-.96	179	
3	-11	2	1		9.08	6.94	-6.77	-1.51	.41838	2.14	3.36	193	
3	-11	3	1		85.76	85.74	-85.74	-.61	.47023	.01	.01	181	
3	-11	4	1		52.65	51.97	-51.95	-1.48	.52918	.68	1.37	182	
3	-11	5	1		16.45	15.51	15.51	.09	.59312	.93	1.72	0	
3	-11	6	1		56.07	55.81	-55.79	-1.58	.66059	.26	.49	182	
3	-10	-8	1	L	3.37	2.39	2.39	-.08	.63681	.98	.41	359	
3	-10	-7	1	L	4.23	1.71	1.71	-.06	.56864	2.52	1.57	359	
3	-10	-6	1		10.35	11.92	11.92	.13	.50400	-1.57	-2.41	0	
3	-10	-5	1	L	5.56	1.23	-1.23	-.07	.44443	4.33	4.40	184	
3	-10	-4	1		20.83	22.06	22.05	.41	.39226	-1.22	-3.94	1	
3	-10	-3	1	L	3.33	1.73	1.72	-.14	.35079	1.60	1.25	356	
3	-10	-2	1		7.24	7.21	7.19	.58	.32415	.03	.05	4	
3	-10	-1	1	L	2.38	2.03	2.03	-.09	.31614	.35	.21	358	
3	-10	0	1		30.50	32.44	32.43	.92	.32810	-1.95	-5.51	1	
3	-10	1	1		9.06	8.97	8.97	-.05	.35804	.09	.16	0	
3	-10	2	1		47.79	48.52	48.51	1.08	.40197	-.73	-1.78	1	
3	-10	3	1		21.27	20.15	-20.14	-.26	.45586	1.13	3.12	181	
3	-10	4	1		43.51	41.94	41.93	1.27	.51660	1.57	3.80	1	
3	-10	5	1		8.86	9.66	9.66	.03	.56205	-.80	-.89	0	
3	-10	6	1		16.47	15.53	15.50	1.01	.65079	.94	1.53	3	
3	-9	-9	1		22.45	21.63	-21.62	-.36	.69772	.83	1.62	181	
3	-9	-8	1		39.07	40.95	40.91	1.72	.62606	-1.87	-5.31	2	
3	-9	-7	1		23.08	25.09	25.09	.15	.55671	-2.01	-5.17	0	
3	-9	-6	1		59.90	62.45	62.41	2.19	.49066	-2.55	-4.89	2	
3	-9	-5	1		48.31	48.34	-48.34	-.49	.42942	-.03	-.06	181	
3	-9	-4	1		52.25	54.09	54.06	1.82	.37536	-1.84	-3.37	1	
3	-9	-3	1		39.56	41.99	41.99	.27	.33201	-2.43	-6.55	0	
3	-9	-2	1		115.15	123.27	123.24	2.69	.30399	-8.12	-12.89	1	
3	-9	-1	1		12.55	16.18	16.18	.01	.29568	-3.62	-10.18	0	
3	-9	0	1		20.83	22.57	22.52	1.52	.30868	-1.74	-5.89	3	
3	-9	1	1		26.21	23.47	-23.47	-.08	.34056	2.74	9.19	181	
3	-9	2	1		106.70	104.62	104.59	2.23	.38667	2.08	2.84	1	
3	-9	3	1		7.48	7.59	-7.59	.21	.44260	-.11	-.14	178	
3	-9	4	1		9.09	10.59	10.53	1.15	.50509	-1.50	-1.94	6	
3	-9	5	1	L	3.24	2.06	-2.06	-.09	.57199	1.18	.51	183	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-9	6	1		46.21	47.90	47.88	1.18	.64193	-1.69	-3.67	1	
3	-8	-9	1	L	4.47	2.92	2.92	.02	.68883	1.55	.77	0	
3	-8	-8	1	L	4.98	3.92	3.92	.11	.61626	1.06	.66	1	
3	-8	-7	1	L	5.45	6.23	-6.23	-.02	.54580	-.78	-.64	181	
3	-8	-6	1		10.37	11.97	-11.97	-.16	.47840	-1.60	-2.61	181	
3	-8	-5	1	L	2.67	2.16	2.16	.02	.41555	.51	.27	0	
3	-8	-4	1		20.77	21.55	-21.54	-.44	.35962	-.78	-2.66	182	
3	-8	-3	1	L	4.01	1.21	-1.21	.05	.31435	2.80	2.87	177	
3	-8	-2	1		16.77	15.70	-15.69	-.64	.28485	1.07	3.85	183	
3	-8	-1	1		5.06	3.76	3.76	.09	.27624	1.30	1.84	1	
3	-8	0	1		39.99	40.15	-40.14	-.96	.29038	-.16	-.41	182	
3	-8	1	1		7.55	6.92	6.92	.08	.32430	.64	1.06	0	
3	-8	2	1		25.31	25.19	-25.18	-.89	.37264	.12	.43	183	
3	-8	3	1		26.58	26.56	-26.56	-.08	.43057	.01	.04	181	
3	-8	4	1		36.30	34.84	-34.83	-1.03	.49473	1.46	3.96	182	
3	-8	5	1	L	3.18	5.11	5.11	.01	.56300	-1.94	-.85	0	
3	-8	6	1		24.33	23.51	-23.49	-.97	.63405	.82	1.84	183	
3	-7	-9	1	L	5.94	2.50	2.50	.03	.68086	3.44	2.27	0	
3	-7	-8	1		33.50	37.63	-37.58	-1.86	.60746	-4.13	-11.40	183	
3	-7	-7	1	L	2.99	2.38	-2.38	-.08	.53599	.61	.29	182	
3	-7	-6	1		40.37	43.03	-43.00	-1.68	.46733	-2.66	-6.89	183	
3	-7	-5	1		40.17	41.95	-41.95	-.34	.40294	-1.78	-4.69	181	
3	-7	-4	1		109.37	110.24	-110.21	-2.68	.34519	-.87	-1.28	182	
3	-7	-3	1		29.67	28.84	28.84	.49	.29799	.83	2.69	0	
3	-7	-2	1		51.53	54.23	-54.19	-1.90	.26698	-2.69	-6.20	183	
3	-7	-1	1		20.51	16.78	16.78	-.29	.25807	3.72	14.87	0	
3	-7	0	1		35.38	37.20	-37.17	-1.48	.27342	-1.83	-4.59	183	
3	-7	1	1		72.27	72.82	-72.82	-.42	.30945	-.55	-.84	181	
3	-7	2	1		83.61	85.37	-85.35	-1.65	.36000	-1.76	-2.45	182	
3	-7	3	1		57.53	55.87	55.87	.27	.41986	1.66	2.85	0	
3	-7	4	1		60.59	60.27	-60.25	-1.28	.48560	.32	.50	182	
3	-7	5	1		19.90	21.05	-21.05	-.22	.55513	-1.15	-2.56	181	
3	-7	6	1		10.18	7.32	7.31	-.38	.62719	2.86	3.22	358	
3	-7	7	1		20.52	22.01	-22.01	-.39	.70101	-1.49	-2.57	182	
3	-6	-9	1	L	6.65	3.12	3.12	.06	.67383	3.53	2.60	1	
3	-6	-8	1		7.31	6.48	-6.48	-.08	.59969	.83	.80	181	
3	-6	-7	1	L	2.97	.52	-.52	.00	.52732	2.45	1.16	179	
3	-6	-6	1		11.72	10.51	10.51	.19	.45753	1.20	2.36	1	
3	-6	-5	1	L	4.51	.54	.54	-.01	.39172	3.97	3.69	0	
3	-6	-4	1		10.34	10.36	10.35	.39	.33226	-.02	-.04	2	
3	-6	-3	1	L	4.48	3.85	-3.85	.01	.28317	.63	.82	179	
3	-6	-2	1		8.79	6.37	6.35	.58	.25064	2.42	5.93	5	
3	-6	-1	1	L	2.54	1.08	-1.08	.02	.24143	1.46	1.18	178	
3	-6	0	1		18.84	18.35	18.34	.64	.25808	.49	2.04	1	
3	-6	1	1		9.44	9.61	-9.61	-.04	.29623	-.17	-.37	181	
3	-6	2	1		52.58	51.80	51.79	.87	.34892	.79	1.50	0	
3	-6	3	1	L	4.25	5.15	-5.15	.01	.41059	-.90	-.71	179	
3	-6	4	1	L	2.92	3.29	3.24	.58	.47776	-.38	-.18	10	
3	-6	5	1	L	3.30	1.84	1.84	.00	.54842	1.46	.69	0	
3	-6	6	1	L	6.96	3.45	3.41	.49	.62139	3.51	2.95	8	
3	-6	7	1	L	3.72	3.33	3.33	.10	.69593	.39	.15	1	
3	-5	-9	1		47.19	49.19	49.18	.67	.66778	-2.00	-4.57	0	
3	-5	-8	1		27.64	30.01	29.95	1.78	.59301	-2.36	-6.32	3	
3	-5	-7	1		27.08	25.88	-25.87	-.51	.51985	1.20	3.53	182	
3	-5	-6	1		103.60	108.64	108.62	2.09	.44908	-5.04	-6.17	1	
3	-5	-5	1		12.73	15.39	15.39	.28	.38201	-2.66	-6.31	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-5	-4	1		80.99	82.09	82.07	1.79	.32099	-1.10	-1.69	1	
3	-5	-3	1		23.07	26.24	26.24	.35	.27014	-3.17	-12.50	0	
3	-5	-2	1		88.11	87.29	87.28	1.04	.23614	.82	1.50	0	
3	-5	-1	1		79.92	80.84	80.84	.08	.22668	-.91	-1.69	0	
3	-5	0	1		150.56	155.80	155.78	2.17	.24464	-5.23	-9.53	0	
3	-5	1	1		31.65	30.46	-30.46	-.13	.28487	1.19	3.68	181	
3	-5	2	1		81.19	78.47	-78.47	.08	.33955	2.72	3.93	179	
3	-5	3	1		62.06	63.05	63.05	.36	.40284	-.98	-1.75	0	
3	-5	4	1		52.97	53.70	53.69	.58	.47128	-.72	-1.60	0	
3	-5	5	1		24.83	25.17	25.17	.41	.54293	-.34	-.89	0	
3	-5	6	1		36.06	35.39	35.38	.45	.61666	.67	1.79	0	
3	-5	7	1		38.33	37.47	-37.47	-.61	.69182	.86	2.14	181	
3	-4	-9	1	L	3.50	3.51	-3.51	-.07	.66273	-.01	-.00	182	
3	-4	-8	1	L	4.16	3.63	3.63	.02	.58745	.53	.32	0	
3	-4	-7	1	L	4.03	3.88	3.88	-.01	.51365	.15	.10	0	
3	-4	-6	1		14.04	10.07	-10.06	-.19	.44205	3.97	9.08	182	
3	-4	-5	1	L	2.48	2.49	2.49	-.03	.37393	-.01	-.00	0	
3	-4	-4	1		8.49	6.51	-6.50	-.30	.31157	1.98	4.19	183	
3	-4	-3	1	L	2.09	2.31	2.31	-.03	.25918	-.22	-.15	0	
3	-4	-2	1		12.43	14.70	14.70	-.38	.22385	-2.27	-7.75	359	
3	-4	-1	1		7.92	9.02	9.02	-.02	.21420	-1.10	-2.80	0	
3	-4	0	1		5.08	4.16	-4.15	-.34	.23345	.91	1.36	185	
3	-4	1	1	L	2.27	1.75	1.74	-.08	.27560	.52	.32	358	
3	-4	2	1		29.80	29.00	-29.00	-.42	.33204	.80	2.38	181	
3	-4	3	1		7.56	10.06	10.06	.00	.39672	-2.50	-3.43	0	
3	-4	4	1	L	2.90	2.88	2.87	-.22	.46622	.02	.01	356	
3	-4	5	1	L	3.85	4.83	4.83	.04	.53868	-.98	-.54	0	
3	-4	6	1	L	4.42	5.79	5.79	-.03	.61305	-1.36	-.73	0	
3	-4	7	1	L	5.81	4.25	-4.25	-.16	.68872	1.56	.94	183	
3	-3	-9	1		18.56	17.10	17.10	.20	.65871	1.46	2.75	0	
3	-3	-8	1		27.94	29.89	-29.87	-1.30	.58304	-1.96	-5.24	183	
3	-3	-7	1		39.82	41.07	-41.07	-.48	.50875	-1.25	-3.30	181	
3	-3	-6	1		75.60	72.11	-72.10	-1.49	.43852	3.49	4.30	182	
3	-3	-5	1		15.99	13.23	13.23	.10	.36758	2.75	8.38	0	
3	-3	-4	1		17.47	18.78	-18.77	-.83	.30417	-1.32	-4.86	183	
3	-3	-3	1		17.99	18.67	-18.67	-.18	.25054	-.58	-2.94	181	
3	-3	-2	1		27.96	29.39	-29.38	-.90	.21414	-1.43	-5.20	182	
3	-3	-1	1		35.80	34.52	34.52	-.02	.20441	1.28	3.92	0	
3	-3	0	1		14.67	13.01	-13.01	-.12	.22483	1.65	5.90	181	
3	-3	1	1		23.25	26.12	-26.12	-.21	.26862	-2.88	-9.54	181	
3	-3	2	1	L	2.50	1.69	-1.67	-.22	.32650	.81	.45	188	
3	-3	3	1		11.67	10.45	10.45	.03	.39229	1.22	2.52	0	
3	-3	4	1		38.45	39.36	-39.36	.01	.46262	-.91	-2.28	179	
3	-3	5	1	L	5.29	.11	.11	.01	.53571	5.18	3.98	7	
3	-3	6	1		51.97	52.12	52.12	.65	.61057	-.15	-.30	0	
3	-3	7	1		12.99	13.40	-13.40	-.15	.68662	-.41	-.52	181	
3	-2	-9	1		10.92	9.76	-9.76	-.08	.65573	1.17	1.44	181	
3	-2	-8	1	L	5.08	.06	.05	.03	.57981	5.02	3.58	34	
3	-2	-7	1	L	5.45	.46	.45	.09	.50519	4.99	4.57	10	
3	-2	-6	1	L	3.55	3.84	-3.84	.10	.43254	-.29	-.19	178	
3	-2	-5	1		5.98	7.07	-7.07	.03	.36306	-1.08	-1.49	179	
3	-2	-4	1	L	3.72	.24	.18	.17	.29895	3.47	3.75	42	
3	-2	-3	1	L	3.31	5.14	-5.14	.06	.24447	-1.82	-2.00	179	
3	-2	-2	1		21.17	24.57	-24.57	.07	.20738	-3.40	-13.27	179	
3	-2	-1	1	L	3.94	3.98	-3.98	.04	.19770	-.04	-.05	179	
3	-2	0	1		8.00	5.53	-5.53	.14	.21909	2.47	6.12	178	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	-2	1	1	L	2.22	3.07	-3.07	.02	.26412	-.86	-.54	179	
3	-2	2	1	L	4.20	.42	.40	-.14	.32305	3.78	3.65	341	
3	-2	3	1		7.47	5.49	5.49	.09	.38961	1.97	2.81	0	
3	-2	4	1		19.27	22.01	-22.01	-.32	.46052	-2.74	-7.10	181	
3	-2	5	1	L	3.09	3.04	-3.04	.08	.53404	.05	.02	178	
3	-2	6	1		7.82	4.63	-4.62	-.33	.60923	3.19	3.02	185	
3	-2	7	1		13.16	13.98	-13.98	-.18	.68554	-.81	-1.03	181	
3	-1	-9	1		43.97	45.27	-45.27	-.51	.65382	-1.30	-3.03	181	
3	-1	-8	1		42.13	45.90	45.89	.82	.57777	-3.77	-9.00	1	
3	-1	-7	1		39.50	41.14	41.14	.66	.50300	-1.65	-3.95	0	
3	-1	-6	1		70.58	69.49	-69.49	-.01	.43016	1.10	1.91	181	
3	-1	-5	1	L	4.04	.26	-.26	-.02	.36043	3.78	3.61	186	
3	-1	-4	1		5.68	.53	-.53	.02	.29601	5.15	8.13	177	
3	-1	-3	1		16.91	15.06	-15.06	-.06	.24118	1.85	8.08	181	
3	-1	-2	1		99.43	93.43	93.42	.56	.20386	6.01	11.93	0	
3	-1	-1	1		9.12	12.01	12.01	.14	.19439	-2.89	-8.72	0	
3	-1	0	1		165.99	161.76	-161.75	-1.42	.21647	4.23	8.25	181	
3	-1	1	1		39.89	37.84	-37.84	.08	.26224	2.05	5.47	179	
3	-1	2	1		20.13	19.70	19.70	-.28	.32175	.44	1.55	0	
3	-1	3	1		23.35	22.67	-22.67	-.07	.38873	.68	2.32	181	
3	-1	4	1		32.16	31.17	-31.15	-.91	.45994	1.00	2.80	182	
3	-1	5	1		11.05	9.93	-9.93	-.32	.53368	1.12	1.72	182	
3	-1	6	1		25.58	24.52	-24.51	-.83	.60904	1.06	2.52	182	
3	-1	7	1		24.56	24.37	24.37	.48	.68548	.19	.38	1	
3	0	-9	1	L	5.16	2.02	2.02	-.02	.65297	3.14	1.88	0	
3	0	-8	1	L	5.06	3.95	3.95	-.06	.57695	1.11	.80	0	
3	0	-7	1	L	2.92	2.32	2.32	-.01	.50221	.60	.29	0	
3	0	-6	1	L	5.15	2.14	-2.13	-.09	.42941	3.01	2.99	183	
3	0	-5	1		8.67	10.61	10.61	-.02	.35974	-1.95	-3.82	0	
3	0	-4	1		11.04	10.59	10.59	.01	.29542	.45	1.22	0	
3	0	-3	1		7.59	8.84	8.84	-.03	.24078	-1.26	-3.06	0	
3	0	-2	1		47.57	46.90	46.90	.19	.20375	.67	1.77	0	
3	0	-1	1	L	3.74	3.35	3.34	-.08	.19467	.39	.54	359	
3	0	0	1		17.59	9.05	9.04	.31	.21707	8.55	37.78	1	
3	0	1	1		8.15	11.18	11.18	-.04	.26302	-3.03	-6.65	0	
3	0	2	1		19.94	20.04	20.03	.50	.32262	-.09	-.34	1	
3	0	3	1	L	4.85	7.42	7.42	.02	.38965	-2.57	-2.39	0	
3	0	4	1		19.95	21.84	21.83	.63	.46088	-1.89	-5.01	1	
3	0	5	1	L	3.12	.08	-.02	-.08	.53463	3.04	1.36	254	
3	0	6	1		35.22	37.11	37.10	.93	.61000	-1.89	-4.44	1	
3	0	7	1	L	4.80	1.17	1.17	.01	.68644	3.64	1.85	0	
3	1	-9	1		61.36	65.79	-65.79	-.88	.65320	-4.43	-7.78	181	
3	1	-8	1		20.40	20.57	20.56	.32	.57734	-.17	-.38	0	
3	1	-7	1		37.32	38.49	38.49	.48	.50280	-1.18	-3.51	0	
3	1	-6	1		66.63	71.78	-71.78	.05	.43028	-5.15	-8.85	179	
3	1	-5	1		12.77	12.51	12.51	-.09	.36099	.26	.67	0	
3	1	-4	1		47.82	43.02	43.02	.77	.29720	4.79	10.25	1	
3	1	-3	1		66.36	62.40	-62.39	-.36	.24327	3.96	7.06	181	
3	1	-2	1		47.00	50.15	50.12	1.76	.20706	-3.15	-8.35	2	
3	1	-1	1		9.96	11.30	11.30	.06	.19851	-1.33	-4.25	0	
3	1	0	1		114.18	108.15	108.15	.75	.22086	6.03	11.56	0	
3	1	1	1		32.76	30.08	-30.08	.26	.26645	2.68	7.93	179	
3	1	2	1		14.12	13.13	-13.06	1.35	.32565	.99	2.74	174	
3	1	3	1		36.67	36.76	-36.75	-.31	.39236	-.08	-.22	181	
3	1	4	1		65.58	66.95	66.93	1.70	.46333	-1.37	-2.21	1	
3	1	5	1		7.66	7.86	7.86	-.01	.53689	-.20	-.21	0	

H	K	L	GRP		FO	FC	A	B	STNTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	1	6	1		8.96	4.19	4.09	.91	.61210	4.77	5.05	12	
3	1	7	1		27.03	26.74	26.73	.47	.68842	.29	.62	1	
3	2	-9	1		8.49	5.25	5.25	.10	.65450	3.24	3.26	1	
3	2	-8	1	L	4.59	5.54	-5.54	.08	.57894	-.96	-.61	179	
3	2	-7	1		7.09	11.16	-11.16	-.09	.50479	-4.06	-4.57	181	
3	2	-6	1	L	5.19	1.77	1.77	.04	.43278	3.41	3.43	1	
3	2	-5	1	L	3.31	5.60	-5.60	.02	.36417	-2.29	-1.78	179	
3	2	-4	1		11.33	11.98	-11.97	-.15	.30131	-.65	-1.83	181	
3	2	-3	1		7.41	9.26	-9.26	.01	.24858	-1.85	-4.35	179	
3	2	-2	1		49.40	50.39	-50.39	-.39	.21362	-.99	-1.84	181	
3	2	-1	1		6.50	10.27	-10.27	.01	.20572	-3.77	-8.22	179	
3	2	0	1		26.11	28.76	-28.75	-.67	.22770	-2.65	-8.22	182	
3	2	1	1		5.87	6.97	-6.97	.06	.27242	-1.10	-1.75	179	
3	2	2	1		29.70	31.06	-31.05	-.80	.33078	-1.37	-4.23	182	
3	2	3	1	L	2.69	3.36	-3.36	.04	.39682	-.67	-.35	179	
3	2	4	1		30.07	32.15	-32.14	-.98	.46728	-2.09	-6.46	182	
3	2	5	1		10.21	8.96	-8.96	-.08	.54044	1.24	1.77	181	
3	2	6	1		35.23	36.17	-36.15	-1.07	.61534	-.94	-2.54	182	
3	2	7	1	L	6.56	2.27	2.27	.12	.69141	4.29	2.90	2	
3	3	-9	1		19.56	20.52	20.52	.29	.65686	-.96	-1.80	0	
3	3	-8	1		19.04	20.40	-20.38	-.95	.58174	-1.36	-2.96	183	
3	3	-7	1		33.67	35.11	-35.11	-.28	.50815	-1.44	-4.33	181	
3	3	-6	1		77.70	83.55	-83.53	-1.64	.43687	-5.85	-7.21	182	
3	3	-5	1		36.67	37.45	37.44	.36	.36923	-.78	-2.16	0	
3	3	-4	1		12.99	12.94	-12.87	-1.31	.30765	.05	.15	186	
3	3	-3	1		40.88	41.71	-41.71	-.28	.25652	-.84	-2.33	181	
3	3	-2	1		79.59	75.85	-75.82	-2.04	.22316	3.74	7.00	182	
3	3	-1	1		27.25	26.10	26.10	.13	.21595	1.14	4.04	0	
3	3	0	1		105.60	106.82	-106.81	-1.70	.23730	-1.22	-2.23	181	
3	3	1	1		13.16	15.62	-15.62	.15	.28077	-2.46	-7.35	179	
3	3	2	1		102.14	105.99	-105.96	-2.31	.33792	-3.85	-5.72	182	
3	3	3	1		45.16	47.15	-47.15	-.47	.40297	-1.99	-4.79	181	
3	3	4	1	L	5.14	3.68	-3.53	-1.03	.47268	1.46	1.21	197	
3	3	5	1		36.05	35.99	35.99	.28	.54525	.06	.15	0	
3	3	6	1		56.47	59.15	-59.12	-1.59	.61969	-2.68	-5.35	182	
3	3	7	1		18.32	20.56	-20.56	-.26	.69540	-2.24	-3.62	181	
3	4	-9	1		8.41	8.13	8.13	.15	.66029	.28	.27	1	
3	4	-8	1	L	5.75	1.25	-1.24	-.18	.58573	4.50	3.73	189	
3	4	-7	1	L	2.91	3.65	3.65	.01	.51286	-.74	-.36	0	
3	4	-6	1		9.05	6.84	6.84	.06	.44251	2.21	3.51	0	
3	4	-5	1	L	2.49	6.83	6.83	.04	.37609	-4.34	-2.45	0	
3	4	-4	1		20.69	22.41	22.41	.30	.31609	-1.73	-6.73	0	
3	4	-3	1		8.41	7.88	7.88	.01	.26687	.53	1.29	0	
3	4	-2	1		52.67	53.21	53.20	.61	.23530	-.34	-.59	0	
3	4	-1	1		4.61	3.34	3.34	-.01	.22081	1.27	1.97	0	
3	4	0	1		27.77	28.95	28.94	.75	.24937	-1.17	-3.77	1	
3	4	1	1	L	2.94	4.46	4.46	.03	.29129	-1.52	-1.13	0	
3	4	2	1		18.38	18.66	18.64	.94	.34693	-.28	-.86	2	
3	4	3	1	L	5.39	1.09	-1.08	-.09	.41074	4.30	4.30	185	
3	4	4	1		50.03	52.26	52.25	1.27	.47948	-2.23	-4.81	1	
3	4	5	1	L	3.16	.37	.36	-.05	.55130	2.80	1.24	353	
3	4	6	1		17.98	17.74	17.71	1.03	.62514	.23	.43	3	
3	4	7	1	L	3.71	6.11	6.11	.04	.70036	-2.40	-.90	0	
3	5	-9	1		55.50	59.35	59.34	.84	.66474	-3.85	-7.26	0	
3	5	-8	1		31.61	36.16	36.13	1.46	.59088	-4.55	-12.57	2	
3	5	-7	1		31.10	31.49	-31.49	-.53	.51888	-.40	-1.20	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	5	-6	1		100.32	110.53	110.51	2.21	.44964	-10.21	-12.44	1	
3	5	-5	1		25.85	25.48	-25.48	-.07	.38465	.37	1.27	181	
3	5	-4	1		91.81	92.19	92.16	2.43	.32646	-.38	-.57	1	
3	5	-3	1		79.19	78.29	78.29	.23	.27935	.91	1.49	0	
3	5	-2	1		115.13	106.87	106.85	1.78	.24967	8.27	14.74	0	
3	5	-1	1		69.32	70.90	70.90	.16	.24388	-1.58	-2.79	0	
3	5	0	1		116.40	124.60	124.57	2.65	.26355	-8.19	-14.15	1	
3	5	1	1		15.20	15.77	-15.77	-.28	.30377	-.57	-1.78	182	
3	5	2	1		64.58	68.03	68.01	1.78	.35768	-3.45	-6.62	1	
3	5	3	1	L	3.44	2.82	2.82	.04	.42005	.62	.39	0	
3	5	4	1		42.86	45.28	45.26	1.52	.48763	-2.42	-5.62	1	
3	5	5	1		34.09	35.57	35.57	.28	.55853	-1.48	-4.39	0	
3	5	6	1		55.03	55.26	55.24	1.34	.63165	-.23	-.45	1	
3	6	-9	1		9.09	8.82	-8.81	-.16	.67022	.28	.28	182	
3	6	-8	1	L	3.24	.29	.24	.15	.59716	2.95	1.28	32	
3	6	-7	1	L	2.93	.45	-.45	-.04	.52617	2.48	1.19	185	
3	6	-6	1	L	2.90	3.30	3.30	-.02	.45820	-.41	-.21	0	
3	6	-5	1		7.81	8.67	-8.67	-.11	.39481	-.87	-1.35	181	
3	6	-4	1		17.56	18.09	-18.08	-.36	.33860	-.53	-1.71	182	
3	6	-3	1	L	2.26	.35	-.35	-.03	.29370	1.91	1.18	185	
3	6	-2	1		42.36	42.68	-42.67	-.65	.26591	-.31	-.68	181	
3	6	-1	1		6.89	6.32	-6.32	-.01	.26077	.57	1.10	181	
3	6	0	1		35.82	37.05	-37.04	-.87	.27952	-1.23	-3.54	182	
3	6	1	1		6.71	4.99	4.99	.05	.31797	1.72	2.63	0	
3	6	2	1		20.07	20.44	-20.41	-1.00	.37002	-.37	-1.19	183	
3	6	3	1		8.88	9.57	-9.57	-.03	.43078	-.69	-1.02	181	
3	6	4	1		27.73	28.17	-28.15	-.98	.49705	-.44	-1.33	182	
3	6	5	1		11.87	10.72	10.72	.12	.56692	1.15	1.75	0	
3	6	6	1		31.25	30.43	-30.41	-1.08	.63919	.82	2.03	183	
3	7	-9	1	L	7.05	5.69	5.68	.19	.67669	1.36	1.08	1	
3	7	-8	1		46.15	52.90	-52.85	-2.30	.60454	-6.75	-14.54	183	
3	7	-7	1		11.83	9.92	9.92	.15	.53467	1.91	3.31	0	
3	7	-6	1		42.25	46.56	-46.53	-1.80	.46810	-4.31	-10.43	183	
3	7	-5	1		91.35	98.37	-98.37	-.72	.40644	-7.02	-9.16	181	
3	7	-4	1		34.82	33.60	-33.52	-2.44	.35231	1.21	3.43	185	
3	7	-3	1		112.38	107.33	107.33	.79	.30965	5.05	7.97	0	
3	7	-2	1		156.26	147.41	-147.39	-2.43	.28370	8.85	14.83	181	
3	7	-1	1		52.68	50.00	50.00	.21	.27916	2.68	5.97	0	
3	7	0	1		139.20	143.94	-143.92	-2.24	.29700	-4.74	-7.74	181	
3	7	1	1		73.36	80.55	-80.55	-.59	.33367	-7.19	-10.41	181	
3	7	2	1		44.85	45.15	45.14	-1.04	.38379	-.30	-.74	359	
3	7	3	1		37.55	37.50	37.49	.52	.44283	.05	.15	0	
3	7	4	1		103.35	107.10	-107.08	-2.05	.50769	-3.75	-4.21	182	
3	7	5	1		10.44	12.76	-12.76	-.04	.57639	-2.32	-2.98	181	
3	7	6	1		22.97	21.71	21.70	-.51	.64773	1.26	2.59	359	
3	8	-9	1		9.43	4.18	-4.18	.02	.68412	5.25	5.44	179	
3	8	-8	1	L	5.68	5.63	-5.63	-.14	.61298	.05	.04	182	
3	8	-7	1	L	3.05	2.15	2.15	.13	.54433	.89	.41	3	
3	8	-6	1		6.09	8.11	-8.11	.04	.47926	-2.02	-2.03	179	
3	8	-5	1		7.87	7.58	7.58	.10	.41943	.29	.43	0	
3	8	-4	1		18.50	18.14	18.14	.38	.36742	.36	1.18	1	
3	8	-3	1		9.71	7.59	7.59	.07	.32697	2.12	4.62	0	
3	8	-2	1		30.47	30.99	30.99	.60	.30276	-.53	-1.68	1	
3	8	-1	1		11.88	13.35	-13.35	-.02	.29876	-1.47	-4.02	181	
3	8	0	1		13.55	13.90	13.88	.74	.31574	-.35	-.92	3	
3	8	1	1	L	2.54	1.00	1.00	-.06	.35067	1.54	.85	357	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	8	2	1		25.83	26.77	26.75	.88	.39885	-.93	-3.07	1	
3	8	3	1		8.62	9.03	-9.03	-.08	.45611	-.41	-.57	181	
3	8	4	1		21.14	19.84	19.82	.79	.51946	1.30	3.20	2	
3	8	5	1	L	6.16	3.67	3.67	-.06	.58692	2.49	1.95	0	
3	8	6	1		19.62	19.53	19.52	.74	.65723	.08	.15	2	
3	9	-9	1		18.05	17.78	-17.78	-.34	.69249	.27	.45	182	
3	9	-8	1		45.30	51.77	51.73	1.97	.62242	-6.47	-13.67	2	
3	9	-7	1		27.08	30.58	30.58	.35	.55508	-3.50	-9.67	0	
3	9	-6	1		65.61	72.86	72.82	2.41	.49159	-7.26	-11.24	1	
3	9	-5	1		57.27	57.67	-57.67	-.64	.43364	-.40	-.67	181	
3	9	-4	1		37.23	36.78	36.74	1.83	.38376	.44	1.05	2	
3	9	-3	1		53.74	55.11	55.11	.30	.34545	-1.37	-2.67	0	
3	9	-2	1		128.72	123.26	123.24	2.16	.32287	5.46	8.38	1	
3	9	-1	1		21.89	23.65	23.65	-.08	.31936	-1.76	-6.43	0	
3	9	0	1		21.95	24.34	24.30	1.37	.33552	-2.39	-8.71	3	
3	9	1	1		64.56	65.59	-65.59	-.58	.36879	-1.04	-1.97	181	
3	9	2	1		64.06	67.52	67.50	1.54	.41505	-3.46	-6.10	1	
3	9	3	1		15.28	16.73	16.73	.07	.47051	-1.44	-3.08	0	
3	9	4	1	L	3.12	4.32	4.29	.47	.53228	-1.20	-.54	6	
3	9	5	1		8.40	8.10	8.10	-.00	.59843	.30	.31	0	
3	9	6	1		17.61	17.27	17.26	.57	.66764	.34	.56	1	
3	10	-9	1	L	3.59	.90	-.89	-.12	.70176	2.69	1.05	188	
3	10	-8	1	L	3.39	2.40	2.40	.16	.63284	.99	.41	3	
3	10	-7	1		8.10	7.34	-7.34	-.20	.56687	.76	.86	182	
3	10	-6	1	L	2.94	.65	-.63	-.13	.50501	2.30	1.09	192	
3	10	-5	1		9.99	10.76	10.76	.00	.44897	-.77	-1.30	0	
3	10	-4	1	L	5.03	.27	-.08	-.25	.40119	4.77	4.94	252	
3	10	-3	1		5.72	4.44	-4.44	-.06	.36492	1.28	1.58	181	
3	10	-2	1		35.49	34.16	-34.15	-.55	.34384	1.34	3.82	181	
3	10	-1	1	L	3.25	5.77	5.77	.02	.34077	-2.52	-1.83	0	
3	10	0	1		10.06	1.07	-.94	-.51	.35618	8.99	17.24	209	
3	10	1	1	L	3.78	2.39	-2.39	-.00	.38787	1.38	1.00	181	
3	10	2	1	L	3.08	.46	.03	-.46	.43227	2.61	1.39	274	
3	10	3	1		11.88	12.60	12.59	.17	.48592	-.72	-1.26	0	
3	10	4	1		18.14	16.64	-16.63	-.59	.54609	1.51	3.24	183	
3	10	5	1	L	5.54	8.20	8.20	.18	.61087	-2.66	-1.80	1	
3	10	6	1		8.56	6.32	-6.31	-.33	.67892	2.24	2.00	183	
3	11	-8	1		53.40	60.04	-60.01	-1.56	.64417	-6.64	-12.65	182	
3	11	-7	1		25.25	27.02	-27.02	-.16	.57963	-1.77	-4.55	181	
3	11	-6	1		79.29	83.63	-83.60	-2.10	.51944	-4.34	-6.66	182	
3	11	-5	1		61.61	61.51	61.51	.72	.46530	.10	.16	0	
3	11	-4	1		45.50	44.76	-44.73	-1.41	.41957	.74	1.73	182	
3	11	-3	1		78.87	78.49	-78.49	-.19	.38523	.37	.50	181	
3	11	-2	1		42.36	42.18	-42.16	-1.25	.36553	.18	.47	182	
3	11	-1	1	L	2.56	.76	-.74	.19	.36285	1.80	.98	165	
3	11	0	1		18.67	22.47	-22.46	-.68	.37756	-3.79	-9.99	182	
3	11	1	1		7.10	2.59	2.56	.42	.40778	4.50	5.90	9	
3	11	2	1		85.70	89.17	-89.16	-1.11	.45039	-3.47	-4.22	181	
3	11	3	1		20.36	21.59	-21.59	-.06	.50226	-1.24	-3.11	181	
3	11	4	1		21.46	20.41	20.41	.22	.56082	1.04	2.43	0	
3	11	5	1		26.84	25.83	25.82	.45	.62418	1.02	2.42	1	
3	11	6	1		13.10	12.75	-12.75	-.14	.69104	.35	.45	181	
3	12	-8	1		8.96	5.42	-5.42	-.08	.65638	3.54	3.58	181	
3	12	-7	1	L	5.71	6.99	-6.99	.04	.59330	-1.28	-.99	179	
3	12	-6	1		7.51	9.25	-9.25	.04	.53479	-1.74	-1.93	179	
3	12	-5	1		9.05	5.78	5.78	.12	.48254	3.27	4.64	1	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	12	-4	1		9.83	8.91	8.90	.25	.43877	.93	1.53	1	
3	12	-3	1	L	5.06	6.56	-6.56	-.00	.40625	-1.51	-1.43	181	
3	12	-2	1		14.25	12.79	12.79	.28	.38782	1.46	3.69	1	
3	12	-1	1		7.29	10.08	-10.08	-.07	.38549	-2.79	-3.97	181	
3	12	0	1		15.24	17.00	-17.00	.23	.39956	-1.76	-4.33	179	
3	12	1	1		12.30	14.12	-14.12	-.16	.42840	-1.81	-3.62	181	
3	12	2	1	L	2.93	.25	-.14	.23	.46931	2.68	1.28	123	
3	12	3	1	L	3.05	1.58	-1.57	-.10	.51943	1.47	.67	184	
3	12	4	1	L	3.23	1.83	-1.83	.04	.57638	1.40	.61	178	
3	12	5	1		8.22	8.47	-8.47	-.13	.63832	-.25	-.23	181	
3	12	6	1	L	3.69	3.81	-3.81	-.06	.70395	-.13	-.05	181	
3	13	-8	1		55.70	61.91	61.89	1.62	.66942	-6.21	-11.57	1	
3	13	-7	1		50.92	53.04	-53.03	-.82	.60781	-2.11	-4.25	181	
3	13	-6	1		44.31	43.51	-43.51	.34	.55099	.79	1.69	179	
3	13	-5	1		87.20	87.25	87.25	.65	.50058	-.04	-.05	0	
3	13	-4	1		33.23	31.96	31.95	.82	.45870	1.27	3.57	1	
3	13	-3	1		86.53	83.58	-83.57	-.81	.42788	2.95	3.68	181	
3	13	-2	1		81.98	82.93	82.93	.68	.41060	-.95	-1.22	0	
3	13	-1	1		20.45	19.98	-19.97	-.51	.40859	.47	1.43	182	
3	13	0	1		8.79	12.87	-12.87	.17	.42207	-4.08	-6.07	179	
3	13	1	1		14.55	15.78	15.78	.15	.44964	-1.23	-2.74	0	
3	13	2	1		65.03	63.79	-63.79	-.85	.48892	1.24	2.38	181	
3	13	3	1	L	5.81	4.56	-4.55	-.39	.53736	1.25	1.04	185	
3	13	4	1		12.70	12.43	12.43	.09	.59272	.27	.41	0	
3	13	5	1		11.16	11.88	-11.87	-.35	.65323	-.72	-.85	182	
3	14	-8	1	L	3.77	6.75	6.75	-.02	.68323	-2.98	-1.24	0	
3	14	-7	1		10.25	12.67	12.67	.05	.62311	-2.42	-2.97	0	
3	14	-6	1		14.24	15.57	15.57	.01	.56796	-1.33	-2.39	0	
3	14	-5	1	L	3.01	3.87	-3.87	-.08	.51934	-.86	-.40	182	
3	14	-4	1	L	2.92	2.34	-2.34	-.13	.47927	.58	.28	184	
3	14	-3	1		14.53	16.61	16.61	.09	.45003	-2.08	-4.66	0	
3	14	-2	1	L	3.17	5.73	5.73	-.02	.43381	-2.56	-1.44	0	
3	14	-1	1	L	2.79	4.60	4.60	.06	.43208	-1.81	-.91	0	
3	14	0	1	L	2.86	4.35	4.35	.02	.44501	-1.50	-.74	0	
3	14	1	1		10.67	12.85	12.85	.16	.47141	-2.18	-3.60	0	
3	14	2	1		16.48	17.90	17.90	.18	.50916	-1.42	-3.03	0	
3	14	3	1		9.33	9.51	9.51	.18	.55598	-.18	-.23	1	
3	14	4	1		7.18	9.10	9.09	.33	.60977	-1.92	-1.70	2	
3	14	5	1	L	6.19	7.08	7.07	.18	.66885	-.88	-.60	1	
3	15	-8	1		11.30	11.90	11.90	-.20	.69778	-.61	-.69	0	
3	15	-7	1		17.41	19.13	19.13	.35	.63915	-1.72	-3.12	1	
3	15	-6	1		10.09	11.88	-11.88	-.18	.58563	-1.80	-2.31	181	
3	15	-5	1		18.41	18.37	18.37	.38	.53876	.04	.08	1	
3	15	-4	1	L	5.74	.76	-.76	-.04	.50039	4.98	4.76	184	
3	15	-3	1		16.47	15.93	15.93	.39	.47262	.54	1.25	1	
3	15	-2	1		66.60	67.60	67.59	1.06	.45737	-1.00	-1.65	0	
3	15	-1	1	L	2.86	2.72	2.72	.09	.45590	.14	.07	1	
3	15	0	1	L	6.05	8.57	-8.56	.32	.46834	-2.52	-2.47	177	
3	15	1	1		15.11	16.66	16.65	.44	.49363	-1.55	-3.23	1	
3	15	2	1		14.59	15.10	15.07	.88	.52995	-.51	-.95	3	
3	15	3	1		34.93	35.30	35.30	.48	.57521	-.37	-1.08	0	
3	15	4	1		38.77	37.91	37.89	.96	.62748	.87	2.21	1	
3	15	5	1		26.46	25.73	-25.73	-.33	.68515	.73	1.51	181	
3	16	-7	1	L	4.04	1.59	-1.59	.06	.65586	2.45	1.16	177	
3	16	-6	1	L	3.69	7.94	-7.94	.06	.60395	-4.24	-2.01	179	
3	16	-5	1	L	4.81	4.55	-4.55	-.08	.55875	.26	.18	181	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	16	-4	1	L	4.94	4.21	4.21	.01	.52201	.73	.55	0	
3	16	-3	1	L	2.95	.57	-.57	-.06	.49560	2.38	1.13	187	
3	16	-2	1		11.11	11.99	-11.99	-.15	.48123	-.89	-1.50	181	
3	16	-1	1		17.94	20.46	-20.46	-.19	.47999	-2.52	-6.02	181	
3	16	0	1		19.07	20.81	-20.81	-.36	.49198	-1.74	-4.18	181	
3	16	1	1	L	3.06	1.68	-1.67	-.09	.51627	1.38	.64	184	
3	16	2	1		23.89	24.49	-24.48	-.54	.55123	-.60	-1.51	182	
3	16	3	1	L	3.58	6.87	-6.87	-.15	.59500	-3.30	-1.51	182	
3	16	4	1	L	4.08	8.18	-8.16	-.52	.64578	-4.10	-1.85	184	
3	16	5	1		10.35	10.19	-10.19	-.24	.70206	.16	.16	182	
3	17	-7	1		18.58	18.87	18.87	.23	.67320	-.29	-.50	0	
3	17	-6	1		17.48	17.67	-17.67	-.51	.62286	-.19	-.35	182	
3	17	-5	1		44.44	44.82	-44.81	-.90	.57927	-.38	-.84	182	
3	17	-4	1		16.09	17.96	-17.93	-1.11	.54405	-1.88	-3.79	184	
3	17	-3	1		41.58	40.28	40.28	.10	.51891	1.30	3.07	0	
3	17	-2	1		26.00	27.27	-27.25	-1.03	.50536	-1.26	-3.64	183	
3	17	-1	1	L	4.46	.69	.67	-.18	.50433	3.77	2.65	345	
3	17	0	1		55.90	57.41	-57.39	-1.69	.51590	-1.51	-3.17	182	
3	17	1	1		27.67	28.22	-28.21	-.44	.53925	-.55	-1.54	181	
3	17	2	1	L	3.88	5.31	5.23	-.94	.57295	-1.42	-.73	350	
3	17	3	1	L	3.41	1.59	1.59	-.03	.61530	1.82	.75	359	
3	17	4	1		46.03	46.70	-46.66	-1.43	.66464	-.67	-1.51	182	
3	18	-7	1	L	7.46	2.51	-2.51	-.02	.69112	4.96	3.98	181	
3	18	-6	1	L	3.43	2.94	2.94	-.04	.64230	.49	.20	0	
3	18	-5	1		11.07	12.96	12.96	.17	.60025	-1.89	-2.57	0	
3	18	-4	1		7.86	11.04	11.03	.19	.56647	-3.17	-3.33	0	
3	18	-3	1	L	3.10	1.82	1.81	.10	.54252	1.29	.58	3	
3	18	-2	1	L	3.04	2.74	2.73	.25	.52971	.29	.14	5	
3	18	-1	1	L	4.31	6.70	6.70	.13	.52887	-2.39	-1.53	1	
3	18	0	1		27.85	29.69	29.68	.57	.54005	-1.84	-5.13	1	
3	18	1	1	L	6.09	5.62	5.62	.17	.56254	.46	.39	1	
3	18	2	1		11.90	14.34	14.32	.64	.59505	-2.44	-3.33	2	
3	18	3	1		9.78	10.82	10.82	.16	.63604	-1.03	-1.13	0	
3	18	4	1		24.78	24.54	24.53	.83	.68401	.23	.47	1	
3	19	-6	1		42.23	43.94	43.91	1.50	.66223	-1.71	-3.83	1	
3	19	-5	1		9.06	7.98	-7.98	-.08	.62166	1.08	1.15	181	
3	19	-4	1		71.08	70.59	70.56	2.12	.58923	.49	.66	1	
3	19	-3	1		17.99	19.03	19.02	.21	.56637	-1.03	-2.11	0	
3	19	-2	1		7.16	7.81	7.73	1.13	.55426	-.65	-.64	8	
3	19	-1	1		41.22	42.20	42.20	.59	.55359	-.98	-2.53	0	
3	19	0	1		43.56	47.09	47.06	1.87	.56442	-3.53	-7.81	2	
3	19	1	1		19.96	19.24	-19.24	-.22	.58610	.72	1.53	181	
3	19	2	1		71.43	71.45	71.43	1.72	.61749	-.02	-.03	1	
3	19	3	1		31.22	30.00	-30.00	-.26	.65720	1.23	2.91	181	
3	19	4	1		34.15	33.42	33.40	1.33	.70383	.73	1.71	2	
3	20	-6	1	L	5.03	1.30	-1.30	.01	.68261	3.73	2.02	179	
3	20	-5	1	L	4.22	1.40	1.40	-.08	.64344	2.82	1.40	357	
3	20	-4	1	L	3.33	2.24	-2.24	-.15	.61230	1.09	.46	184	
3	20	-3	1		11.65	12.23	-12.23	-.18	.59046	-.58	-.82	181	
3	20	-2	1		9.90	11.63	-11.62	-.44	.57898	-1.74	-2.13	183	
3	20	-1	1	L	4.59	7.65	-7.65	-.15	.57847	-3.06	-1.81	182	
3	20	0	1		23.75	25.16	-25.15	-.65	.58897	-1.40	-3.28	182	
3	20	1	1	L	3.37	5.63	-5.63	-.12	.60990	-2.25	-.93	182	
3	20	2	1		17.42	17.64	-17.63	-.73	.64024	-.22	-.38	183	
3	20	3	1	L	5.53	1.32	1.32	-.05	.67874	4.21	2.49	358	
3	21	-6	1		63.86	65.24	-65.20	-2.01	.70340	-1.37	-2.24	182	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
3	21	-5	1	L	3.01	1.58	-1.57	-.02	.66556	1.94	.77	181	
3	21	-4	1	L	4.18	4.98	-4.80	-1.33	.63562	-.80	-.40	196	
3	21	-3	1		27.89	28.28	-28.26	-.28	.61474	-.39	-.96	181	
3	21	-2	1		104.88	108.94	-108.91	-2.56	.60384	-4.06	-4.01	182	
3	21	-1	1		24.94	24.57	24.56	.39	.60348	.38	.88	0	
3	21	0	1		22.88	24.71	-24.67	-1.46	.61368	-1.83	-4.02	184	
3	21	1	1		28.06	28.18	-28.18	-.17	.63391	-.12	-.29	181	
3	21	2	1		42.48	42.26	-42.24	-1.50	.66327	.22	.52	183	
3	21	3	1		24.01	25.21	-25.20	-.20	.70061	-1.20	-2.27	181	
3	22	-5	1	L	3.66	5.52	-5.52	.11	.68799	-1.86	-.71	178	
3	22	-4	1	L	3.56	1.75	-1.74	.14	.65919	1.81	.71	175	
3	22	-3	1		8.79	9.60	9.60	.20	.63919	-.81	-.81	1	
3	22	-2	1		10.45	13.58	13.57	.47	.62884	-3.13	-3.46	1	
3	22	-1	1	L	7.04	.75	-.74	.09	.62862	6.29	5.24	172	
3	22	0	1		9.01	6.60	6.57	.53	.63853	2.41	2.46	4	
3	22	1	1	L	3.52	1.37	1.37	.01	.65812	2.15	.86	0	
3	22	2	1		25.25	24.43	24.42	.79	.68655	.82	1.66	1	
3	23	-4	1		41.31	42.31	42.27	1.69	.68297	-1.00	-2.48	2	
3	23	-3	1	L	3.49	1.00	-.99	-.04	.66380	2.50	1.00	183	
3	23	-2	1		60.14	63.07	63.03	2.00	.65396	-2.92	-5.05	1	
3	23	-1	1	L	7.08	3.96	-3.95	-.31	.65386	3.12	2.46	185	
3	23	0	1	L	3.58	1.42	-.75	1.20	.66351	2.16	.85	122	
3	23	1	1		11.87	9.16	-9.16	-.27	.68249	2.71	3.21	182	
3	24	-3	1	L	3.63	3.88	3.88	-.08	.68855	-.24	-.09	359	
3	24	-2	1		11.96	10.60	-10.59	-.38	.67918	1.36	1.66	183	
3	24	-1	1	L	5.01	2.40	-2.40	-.05	.67919	2.61	1.42	182	
3	24	0	1		12.94	11.70	-11.69	-.53	.68869	1.23	1.52	183	
3	25	-2	1		29.47	27.66	27.66	-.59	.70449	1.80	3.96	359	
3	25	-1	1		19.99	20.87	-20.87	-.12	.70461	-.88	-1.50	181	
4	-25	-3	1	L	3.71	2.54	-2.53	.21	.70476	1.16	.44	175	
4	-25	-2	1	L	3.67	1.75	-1.75	.04	.69401	1.92	.73	178	
4	-25	-1	1	L	6.41	.34	.22	.27	.69242	6.06	4.00	50	
4	-25	0	1	L	3.71	1.85	-1.85	-.04	.70007	1.86	.70	182	
4	-24	-4	1		21.36	21.56	21.56	.31	.70062	-.21	-.37	0	
4	-24	-3	1		12.84	13.08	-13.08	-.02	.68054	-.24	-.31	181	
4	-24	-2	1		17.22	14.90	-14.89	-.46	.66952	2.32	3.88	182	
4	-24	-1	1		25.13	25.34	25.33	.68	.66799	-.21	-.44	1	
4	-24	0	1		24.80	25.37	-25.36	-.72	.67602	-.58	-1.19	182	
4	-24	1	1		24.14	25.43	25.42	.56	.69329	-1.28	-2.52	1	
4	-23	-4	1		11.84	12.25	12.25	.18	.67718	-.41	-.49	0	
4	-23	-3	1		10.16	10.30	-10.29	-.37	.65651	-.14	-.16	183	
4	-23	-2	1	L	3.50	3.44	3.43	.19	.64519	.06	.03	3	
4	-23	-1	1	L	3.50	2.11	-2.09	-.32	.64372	1.39	.56	189	
4	-23	0	1		11.28	11.52	11.51	.50	.65217	-.24	-.29	2	
4	-23	1	1	L	3.60	1.17	1.14	-.25	.67016	2.43	.95	348	
4	-23	2	1		14.48	13.98	13.97	.53	.69695	.50	.67	2	
4	-22	-5	1		15.96	15.40	-15.39	-.59	.68407	.56	.87	183	
4	-22	-4	1		26.70	25.94	25.93	.66	.65398	.76	1.72	1	
4	-22	-3	1	L	6.50	2.44	-2.42	-.33	.63267	4.06	3.18	108	
4	-22	-2	1		21.49	22.71	22.68	1.21	.62104	-1.22	-2.55	3	
4	-22	-1	1	L	3.43	5.55	5.55	-.22	.61963	-2.12	-.87	358	
4	-22	0	1		16.97	17.42	17.41	.64	.62853	-.45	-.80	2	
4	-22	1	1	L	5.64	3.35	-3.35	-.15	.64729	2.28	1.46	183	
4	-22	2	1		49.32	50.21	50.19	1.43	.67510	-.89	-1.90	1	
4	-21	-6	1	L	5.85	6.86	-6.86	-.14	.70090	-1.01	-.60	182	
4	-21	-5	1		8.56	6.17	6.16	.23	.66205	2.39	2.32	2	

H	K	L	GRP		FO	FC	A	B	SINTH/LM	DF	W*DF	ANGLE CALC	ANGLE STAT
4	-21	-4	1		13.49	14.67	-14.67	-.32	.63103	-1.19	-1.72	182	
4	-21	-3	1	L	3.34	.89	-.86	.23	.60904	2.44	1.02	164	
4	-21	-2	1		15.99	17.32	-17.31	-.55	.59708	-1.33	-2.39	182	
4	-21	-1	1	L	3.31	4.49	4.47	.31	.59575	-1.18	-.50	3	
4	-21	0	1		24.88	26.65	-26.64	-.86	.60512	-1.77	-4.11	182	
4	-21	1	1		8.76	8.11	8.10	.35	.62471	.66	.66	2	
4	-21	2	1		14.25	17.49	-17.47	-.85	.65360	-3.24	-4.52	183	
4	-21	3	1	L	5.57	7.05	-7.04	.15	.69062	-1.48	-.83	178	
4	-20	-6	1	L	6.38	1.67	1.54	-.66	.68035	4.71	3.25	337	
4	-20	-5	1		17.58	18.72	-18.72	-.06	.64037	-1.14	-2.00	181	
4	-20	-4	1		57.85	57.35	-57.32	-1.75	.60838	.50	1.03	182	
4	-20	-3	1		34.52	34.93	34.92	.65	.58566	-.41	-1.17	1	
4	-20	-2	1		32.48	33.65	-33.62	-1.36	.57335	-1.18	-3.25	183	
4	-20	-1	1	L	3.24	1.80	1.80	.01	.57209	1.44	.62	0	
4	-20	0	1		27.12	29.72	-29.69	-1.35	.58197	-2.60	-6.59	183	
4	-20	1	1		18.01	19.48	-19.48	-.18	.60244	-1.48	-2.86	181	
4	-20	2	1		7.43	7.47	-7.38	-1.15	.63247	-.04	-.03	189	
4	-20	3	1		25.03	24.96	24.96	.24	.67078	.07	.15	0	
4	-19	-6	1		12.62	12.84	12.83	.32	.66022	-.22	-.29	1	
4	-19	-5	1	L	5.15	3.44	-3.43	-.24	.61907	1.70	1.09	185	
4	-19	-4	1		15.86	17.44	17.43	.51	.58604	-1.58	-2.84	1	
4	-19	-3	1	L	3.22	4.82	4.81	-.17	.56256	-1.60	-.69	358	
4	-19	-2	1		22.28	24.55	24.53	.82	.54986	-2.27	-5.52	1	
4	-19	-1	1		7.51	5.00	-5.00	-.21	.54869	2.50	2.70	183	
4	-19	0	1		15.09	18.12	18.10	.82	.55912	-3.02	-5.57	2	
4	-19	1	1	L	3.25	2.11	-2.10	-.20	.58053	1.15	.49	186	
4	-19	2	1		51.19	53.41	53.39	1.33	.61176	-2.22	-4.43	1	
4	-19	3	1	L	3.54	.16	-.11	-.12	.65140	3.38	1.34	227	
4	-19	4	1		23.30	24.23	24.21	1.10	.69803	-.93	-1.74	2	
4	-18	-7	1		19.83	17.52	-17.51	-.55	.68967	2.31	4.13	182	
4	-18	-6	1		83.04	83.01	82.98	1.95	.64056	.04	.05	1	
4	-18	-5	1		20.66	20.24	-20.24	-.21	.59818	.41	.90	181	
4	-18	-4	1		27.23	28.24	28.19	1.65	.56406	-1.00	-2.70	3	
4	-18	-3	1		12.66	13.99	13.98	.18	.53977	-1.33	-2.25	0	
4	-18	-2	1		14.97	17.49	17.45	1.17	.52667	-2.52	-4.83	3	
4	-18	-1	1		9.94	10.37	10.37	-.01	.52559	-.43	-.61	0	
4	-18	0	1		87.52	90.73	90.70	2.37	.53661	-3.22	-4.89	1	
4	-18	1	1		8.79	6.62	-6.62	-.11	.55901	2.17	2.57	181	
4	-18	2	1		8.80	9.78	9.73	1.02	.59151	-.98	-1.02	5	
4	-18	3	1		15.25	12.84	12.84	.32	.63254	2.41	3.97	1	
4	-18	4	1		19.27	19.93	19.91	.98	.68057	-.67	-1.18	2	
4	-17	-7	1	L	3.86	3.59	3.58	.13	.67180	.27	.12	2	
4	-17	-6	1		12.89	12.99	-12.99	-.37	.62140	-.10	-.15	182	
4	-17	-5	1	L	3.18	.63	.62	.11	.57775	2.55	1.12	10	
4	-17	-4	1		19.12	20.32	-20.31	-.63	.54249	-1.21	-2.72	182	
4	-17	-3	1	L	3.00	2.04	-2.04	.12	.51733	.96	.45	176	
4	-17	-2	1		22.95	23.15	-23.13	-.88	.50379	-.20	-.54	183	
4	-17	-1	1	L	3.02	2.57	-2.56	.12	.50282	.45	.21	177	
4	-17	0	1		19.93	21.35	-21.33	-.97	.51447	-1.43	-3.40	183	
4	-17	1	1	L	4.27	2.39	2.39	.04	.53794	1.89	1.16	0	
4	-17	2	1		30.46	32.45	-32.43	-1.10	.57177	-1.99	-5.32	182	
4	-17	3	1	L	5.80	3.00	-3.00	.02	.61425	2.80	1.96	179	
4	-17	4	1		25.36	26.38	-26.36	-1.10	.66371	-1.02	-2.17	183	
4	-16	-7	1		31.36	31.35	-31.34	-.37	.65452	.01	.03	181	
4	-16	-6	1		57.20	59.78	-59.75	-1.86	.60280	-2.58	-5.35	182	
4	-16	-5	1	L	4.47	.87	-.86	.14	.55783	3.60	2.32	170	