

## 32. DATA REPORT: STRUCTURAL MEASUREMENTS FROM SITES 894 AND 895, HESS DEEP<sup>1</sup>

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### BACKGROUND

Structural geological studies of the core recovered from Ocean Drilling Program (ODP) Leg 147 are vital in understanding both the geometry of accretion and dynamics of the axial magma chamber(s) beneath the fast-spreading East Pacific Rise and the rifting processes that led to formation of the Hess Deep. Knowledge of the orientation of structures and other physical property measurements in the geographical reference frame is crucial. Unfortunately, however, cores are not normally oriented in azimuth; furthermore, they are typically broken into small, independently-rotated pieces by the drilling process, so that there is no comparative reference between adjacent core pieces. Even dip measurements made relative to the axis of the borehole may not be of significance if the borehole is deviated, and/or tectonic rotation of the section has occurred subsequent to the creation of the structures. Downhole tools that provide the direct orientation of core as it enters the core barrel are in development, but these are expensive, beset by technical problems and hence rarely used (see discussions in MacLeod et al., 1992, 1994).

An alternative technique, used in this paper, is to reorient structural features relative to the stable magnetic remanence directions of demagnetized core samples. By so doing it is assumed that samples from different core pieces acquired their remanences in the same field direction (and slowly, so that the effects of secular variation are averaged out). This technique provides a relative reference, *but can only be related to modern geographical coordinates if it can be demonstrated that no tectonic rotations have occurred subsequent to acquisition of the magnetization.*

A mechanism for reorienting core without recourse to paleomagnetic data has been developed by MacLeod et al. (1992, 1994). By comparing inclined, planar features in the cores with their direct representations on electrical or acoustic images of the borehole wall, which are themselves reliably oriented in the geographical reference frame, cores can be fully reoriented. Indeed, by orienting core pieces in this way the azimuthal components of stable magnetic remanence vectors can also be restored to geographical coordinates, and tectonic rotations detected. Application of this technique to Hole 894G, the only hole drilled on Leg 147 for which borehole imaging data were

acquired, is made by MacLeod et al. (1995), Célérrier et al. (this volume) and MacLeod, Célérrier, et al. (this volume).

### METHODS

The fundamental basis of any structural study of borehole cores must be a systematic, self-consistent database that documents the position and (at least relative) orientation of all structural features. The purpose of this data report is to present in an internally consistent format measurements of the orientations of more than 1200 structures at Sites 894 and 895. Following the procedure described by MacLeod et al. (1992, 1994; summarized in Gillis, Mével, Allan, et al., 1993), the axis of the borehole was considered vertical, and azimuths of structures were measured relative to artificial "core-liner coordinates." "North" was defined as perpendicular to the cut surface and lying in the working half of the core. It is stressed that these "core coordinate" measurements (figures given in italics in Tables 1 and 2) have no geographical significance; the orientations of individual structures are comparable only within contiguous core pieces.

Preliminary, partial restoration of the core fabric measurements to a common reference frame was made by rotating the stable magnetic remanence direction measured in the same contiguous core pieces to the same horizontal direction (magnetic North, assuming normal polarity: MacLeod, Célérrier, et al., this volume). This was possible for between one-third and one-half of the measurements made (columns under the heading "Rest D only, strike and dip," shown in bold type in Tables 1 and 2), by using the stable remanence directions from both shipboard and post-cruise samples. The origin of these paleomagnetic measurements is given in the column entitled "Meas. by": S = shipboard data; C = samples analyzed by C. Richter; J = samples analyzed by J. Pariso; and P = samples analyzed by P. Kelso.

In this work, a second rotation was also made to bring the measurements to a common magnetic inclination as well as declination (columns under the heading "Rest D + I, strike and dip," shown in bold type in Tables 1 and 2), because inclinations of the stable remanence directions at Site 894 and Hole 895E are consistently skewed by approximately 35°–40° down toward the declination direction in comparison to the expected field direction for the latitude of the drill site of +4.6° (Pariso et al., this volume; Kelso et al., this volume; MacLeod, Célérrier, et al., this volume). The disparity in inclinations is most readily interpreted in terms of a tectonic rotation of the drill sites with a horizontal component of this magnitude (Gillis, Mével, Allan, et al., 1993; MacLeod, Célérrier, et al., this volume).

By comparing fracture distributions on borehole electrical imagery with the distribution of veins oriented with respect to the stable remanence direction, MacLeod et al. (1995), Célérrier et al. (this volume) and MacLeod, Manning, et al. (this volume) have suggested that there has also been a vertical axis component of rotation (estimated at approximately 30° counterclockwise), such that the stable remanence directions do not point toward present-day north. The "restored" data given in bold type in Tables 1 and 2 are reoriented only with respect to this stable remanence direction and cannot, therefore, be regarded as fully restored to present-day geographical coordinates. Full discussion of these complexities, and interpretation of the data tabulated here, is made elsewhere in specialist papers (e.g., Boudier

<sup>1</sup>Mével, C., Gillis, K.M., Allan, J.F., and Meyer, P.S. (Eds.), 1996. Proc. ODP, Sci. Results, 147: College Station, TX (Ocean Drilling Program).

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et al., this volume; Célérrier et al., this volume; MacLeod et al., 1995; MacLeod, Boudier, et al., this volume; MacLeod, Célérrier, et al., this volume; Manning and MacLeod, this volume; Richter et al., this volume).

## EXPLANATION OF TABLES

The depths quoted in Tables 1 and 2, given in meters below sea-floor (mbsf), are curated depths (i.e., assuming that all recovered core came from the top of the drilled interval). "Lith" = lithology, with (in Table 1) G = gabbro, OG = olivine gabbro, B = basalt (dike rock), GN = gabbronorite, and OGN = olivine gabbronorite. Unit = lithostratigraphic unit, defined in Gillis, Mével, Allan, et al. (1993). Abbreviations of feature types (Table 1) are as follows: fol cataclas = foliated cataclasite; ultracataclas = ultracataclasite; fault brecc = fault breccia; fels dike = felsic dikelet; and dike marg = chilled dike margin. Foliations in Site 894 rocks are defined by the alignment of anisometric plagioclase crystals, and are interpreted by MacLeod, Boudier, et al. (this volume) as magmatic flow fabrics. Vein fill (Table 1) is as defined in Manning and MacLeod (this volume) and Manning et al. (this volume): A = amphibole vein type; C = chlorite vein type ( $\pm$  calc-silicates); S = chlorite-smectite vein type (i.e.,  $\pm$  clay); and Z = zeolite-calcite vein type. Lithologies in Table 2 are as follows: DN = dunite; IMP DN = dunite with interstitial plagioclase  $\pm$  clinopyroxene "impregnations"; HZ = harzburgite; TROCT = troctolite; ROD G = altered ("rodingitized") gabbro; G = gabbro; DN/HZ = planar contact between harzburgite and dunite. Feature types (Table 2) are as follows: vein = vein, usually of serpentine (sensu lato), however, no systematic subdivision of vein type by mineralogy was undertaken in this study; vein netwk = network of parallel, very fine serpentine veins; ign contact = igneous contact; plag impr = planar impregnation of plagioclase; foln in G = foliation in mafic rocks. Foliations in harzburgites and dunites are interpreted by Boudier et al. (this volume) as high-temperature, solid-state deformation fabrics.

Combined strikes (str) and dips (dip) of planar structural features are reconstituted from two apparent dip measurements, with or with-

out a direct strike measurement. Direction of dip is  $90^\circ$  clockwise from the strike direction in all cases. Both the combined structural measurements and the stable magnetic remanence directions (dec = declination, and inc = inclination of magnetic vector) are given in synthetic "core-liner coordinates" (shown in italics in Tables 1 and 2), discussed above.

Spatially reoriented measurements are shown in bold in Tables 1 and 2. In the columns "Rest (D only)" structural measurements have been rotated so that the horizontal component (declination) of the stable magnetic remanence direction points towards north. In columns "Rest D + I" structural measurements have been restored in inclination, too, such that the measured stable remanence declination is set to "North" ( $000^\circ$ ) and inclination to  $+4.6^\circ$ .

## REFERENCES

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Table 1. Structural data from Site 894.

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
							str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
<b>Hole 894E-</b>															
3R-1, 69 cm (Piece 10)	19.59	G		vein		1	191	82							
<b>Hole 894F-</b>															
1R-1, 5 cm (Piece 1)	0.05	G	I	fol catacl		1	000	70							
2R-1, 7 cm (Piece 1)	9.37	G	I	fault		1	349	85							
2R-1, 16 cm (Piece 2)	9.46	G	I	vein		1	144	68							
2R-1, 22 cm (Piece 2)	9.52	G	I	vein		2	154	57							
2R-1, 30 cm (Piece 3)	9.60	G	I	fault		1	019	83							
2R-1, 29 cm (Piece 3)	9.59	G	I	fault		2	177	59							
2R-1, 33 cm (Piece 3)	9.63	G	I	cataclasite		3	247	40							
2R-1, 56 cm (Piece 7)	9.86	G	I	ultracatasite		1	168	31							
3R-1, 19 cm (Piece 4)	19.09	G	I	ultracatacl		1	220	42							
3R-1, 37 cm (Piece 6)	19.27	G	I	ultracatacl		1									
3R-1, 54 cm (Piece 9)	19.44	G	I	ultracatacl		1									
<b>Hole 894G-</b>															
1R-1, 11 cm (Piece 2)	18.71	OG	I	vein	S	1	260	38							
1R-1, 12 cm (Piece 2)	18.72	OG	I	vein	S	2	240	25							
2R-1, 18 cm (Piece 3)	28.78	B	2	vein	S	1	356	57	-172.0	30	J	168	57	154.5	65.3
2R-1, 37 cm (Piece 5)	28.97	B	2	vein	S	1	346	51							
2R-1, 41 cm (Piece 5)	29.01	B	2	vein	S	2	168	61							
2R-1, 60 cm (Piece 9)	29.20	B	2	vein	S	1	305	64	074.9	26.8	S	230	64	219.2	48.2
2R-1, 64 cm (Piece 9)	29.24	B	2	vein	S	2	274	42	074.9	26.8	S	199	42	172.9	39.6
2R-1, 67 cm (Piece 9)	29.27	B	2	vein	Z	3	070	54	074.9	26.8	S	355	54	011.0	55.2
2R-1, 120 cm (Piece 15)	29.80	B	2	vein	S	1	190	65	145.0	21	P	045	65	048.9	77.0
2R-1, 114 cm (Piece 15)	29.74	B	2	vein	S	2	184	81	145.0	21	P	039	81	219.8	88.5
2R-1, 116 cm (Piece 15)	29.76	B	2	vein	S	3	331	81	145.0	21	P	186	81	183.2	79.7
2R-1, 143 cm (Piece 18)	30.03	B	2	vein	S	1	149	62							
2R-1, 138 cm (Piece 18)	29.98	B	2	vein	S	2	003	18							
2R-2, 13 cm (Piece 3)	30.26	B	2	vein	S	1	002	86							
2R-2, 14 cm (Piece 3)	30.27	B	2	vein	S	2	233	40							
2R-2, 32 cm (Piece 7)	30.45	B	2	vein	S	2	217	5							
2R-2, 32 cm (Piece 7)	30.45	B	2	vein	S	3	205	48							

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.	Meas. by	Rest (D only)		Rest (D + I)		
							str (°)	dip (°)			str (°)	dip (°)	str (°)	dip (°)	
2R-2, 40 cm (Piece 7)	30.53	B	2	vein	C	4	257	83							
2R-2, 30 cm (Piece 7)	30.43	B	2	vein	S	5	347	48							
2R-2, 54 cm (Piece 10)	30.67	B	2	vein	S	1	323	5	061.0	30	C	262	5	092.0	20.5
2R-2, 58 cm (Piece 10)	30.71	B	2	vein	S	2	292	5	061.0	30	C	231	5	098.5	21.7
2R-2, 64 cm (Piece 10)	30.77	B	2	vein	C	3	041	29	061.0	30	C	340	29	026.3	30.5
2R-2, 65 cm (Piece 10)	30.78	B	2	vein	Z	4	169	71	061.0	30	C	108	71	287.1	84.7
2R-2, 73 cm (Piece 11)	30.86	B	2	vein	S	1	334	65							
2R-2, 67 cm (Piece 11)	30.80	B	2	vein	S	2	023	55							
2R-2, 74 cm (Piece 11)	30.87	B	2	vein	S	5	356	69							
2R-2, 73 cm (Piece 11)	30.86	B	2	vein	C	6	220	47							
2R-2, 76 cm (Piece 11)	30.89	B	2	vein	S	8	147	25							
2R-2, 102 cm (Piece 15)	31.15	B	2	vein	C	1	108	24	-159.8	18.0	S	268	24	265.7	11.0
2R-2, 107 cm (Piece 15)	31.20	B	2	vein	C	2	095	36	-159.8	18.0	S	255	36	247.7	23.7
2R-2, 98 cm (Piece 15)	31.11	B	2	vein	C	3	154	18	-159.8	18.0	S	314	18	359.3	12.4
2R-2, 95 cm (Piece 15)	31.08	B	2	vein	C	4	146	79	-159.8	18.0	S	306	79	308.3	68.6
2R-2, 122 cm (Piece 17)	31.35	B	2	vein	S	1	005	43							
2R-2, 141 cm (Piece 19)	31.54	OG	3	vein	S	1	056	63							
2R-2, 137 cm (Piece 19)	31.50	OG	3	vein	S	2	011	36							
2R-2, 146 cm (Piece 19)	31.59	OG	3	fault	S	3	010	64							
2R-2, 138 cm (Piece 19)	31.51	OG	3	vein	S	4	129	57							
2R-3, 15 cm (Piece 3)	31.75	OG	3	vein	C	1	232	25							
2R-3, 16.5 cm (Piece 3)	31.77	OG	3	vein	S	2	118	53							
2R-3, 17.5 cm (Piece 3)	31.78	OG	3	vein	C	3	168	43							
2R-3, 18 cm (Piece 3)	31.78	OG	3	vein	C	4	140	50							
2R-3, 18 cm (Piece 3)	31.78	OG	3	vein	C	6	324	52							
2R-3, 19 cm (Piece 3)	31.79	OG	3	vein	C	7	320	64							
2R-3, 26.5 cm (Piece 4)	31.87	OG	3	vein	C	1	005	23							
2R-3, 26 cm (Piece 4)	31.86	OG	3	vein	C	2	064	22							
2R-3, 42.5 cm (Piece 5)	32.03	OG	3	vein	C	1	000	60	-133.2	2.5	S	133	60	133.9	58.5
2R-3, 39 cm (Piece 5)	31.99	OG	3	fol catacl	C	2	144	85	-133.2	2.5	S	277	85	277.0	87.1
2R-3, 53 cm (Piece 6)	32.13	OG	3	fol catacl	C	1	354	90							
2R-3, 55 cm (Piece 6)	32.15	OG	3	vein	C	2	214	43							
2R-3, 53 cm (Piece 6)	32.13	OG	3	vein	C	3	158	81							
2R-3, 82 cm (Piece 11)	32.42	OG	3	fol catacl	C	1	168	90							
2R-3, 80 cm (Piece 11)	32.40	OG	3	vein	C	2	194	85							
2R-3, 80 cm (Piece 11)	32.40	OG	3	vein	C	3	268	44							
2R-3, 94 cm (Piece 12)	32.54	OG	3	fol catacl	C	1	004	90							
2R-3, 82 cm (Piece 12)	32.42	OG	3	vein	C	2	182	67							
2R-3, 110 cm (Piece 14)	32.70	OG	3	vein	S	1	292	35							
2R-3, 112 cm (Piece 14)	32.72	OG	3	vein	C	2	288	9							
2R-3, 114.5 cm (Piece 14)	32.75	OG	3	vein	S	3	247	43							
4R-1, 36 cm (Piece 7)	45.36	GN	4	vein	S	1	300	80							
4R-1, 36 cm (Piece 7)	45.36	GN	4	vein	S	2	159	26							
4R-1, 72 cm (Piece 12)	45.72	GN	4	vein	C	1	008	50							
4R-1, 77 cm (Piece 12)	45.77	GN	4	vein	S	2	340	52							
4R-1, 72 cm (Piece 12)	45.72	GN	4	vein	S	3	134	52							
4R-1, 74 cm (Piece 12)	45.74	GN	4	vein	S	4	177	57							
4R-1, 73 cm (Piece 12)	45.73	GN	4	vein	S	5	330	49							
4R-1, 78 cm (Piece 12)	45.78	GN	4	vein	S	6	178	62							
4R-1, 78 cm (Piece 12)	45.78	GN	4	vein	S	7	088	90							
4R-1, 83 cm (Piece 13)	45.83	GN	4	vein	S	1	093	57							
4R-1, 85 cm (Piece 13)	45.85	GN	4	vein	S	2	052	45							
4R-1, 90 cm (Piece 13)	45.90	GN	4	vein	S	3	357	81							
4R-1, 115 cm (Piece 16)	46.15	GN	4	vein	A	1	190	70							
4R-1, 115 cm (Piece 16)	46.15	GN	4	foliation		2	318	46							
4R-2, 35 cm (Piece 7)	46.69	GN	4	vein	S	1	149	81							
4R-2, 33 cm (Piece 7)	46.67	GN	4	vein	S	2	288	53							
4R-2, 34 cm (Piece 7)	46.68	GN	4	vein	S	3	002	86							
4R-2, 39 cm (Piece 7)	46.73	GN	4	vein	S	4	223	43							
4R-2, 36 cm (Piece 7)	46.70	GN	4	vein	A	5	083	68							
4R-2, 54 cm (Piece 9)	46.88	GN	4	vein	S	1	324	56							
4R-2, 57 cm (Piece 9)	46.91	GN	4	vein	S	2	323	52							
4R-2, 63 cm (Piece 9)	46.97	GN	4	vein	S	3	316	49							
4R-2, 49 cm (Piece 9)	46.83	GN	4	vein	S	4	337	55							
4R-2, 54 cm (Piece 9)	46.88	GN	4	vein	S	5	120	84							
4R-2, 78 cm (Piece 10)	47.12	GN	4	vein	S	1	255	31	120.1	67.8	S	135	31	111.4	86.5
4R-2, 73 cm (Piece 10)	47.07	GN	4	foliation		3	270	55	120.1	67.8	S	150	55	315.5	83.9
4R-2, 92 cm (Piece 11)	47.26	GN	4	vein	S	1	012	76							
4R-2, 115 cm (Piece 14)	47.49	GN	4	vein	S	1	000	89							
4R-2, 116 cm (Piece 14)	47.50	GN	4	vein	S	2	000	0							
4R-2, 120 cm (Piece 14)	47.54	GN	4	vein	S	3	000	0							
GR-1, 16 cm (Piece 4)	54.96	GN	6	vein	C	1	312	56	-147.4	38.6	S	099	56	097.5	89.7
GR-1, 18 cm (Piece 4)	54.98	GN	6	vein	C	2	326	40	-147.4	38.6	S	113	40	105.3	72.3
GR-1, 20 cm (Piece 4)	55.00	GN	6	vein	A	3	111	68	-147.4	38.6	S	258	68	250.4	35.1
GR-1, 17 cm (Piece 4)	54.97	GN	6	vein	S	4	203	72	-147.4	38.6	S	350	72	002.2	69.6
GR-1, 21 cm (Piece 4)	55.01	GN	6	vein	C	5	335	42	-147.4	38.6	S	122	42	111.8	72.6
GR-1, 23 cm (Piece 4)	55.03	GN	6	vein	C	6	328	40	-147.4	38.6	S	115	40	106.6	72.0
GR-1, 29 cm (Piece 4)	55.09	GN	6	vein	S	7	020	46	-147.4	38.6	S	167	46	143.3	61.0
GR-1, 39 cm (Piece 4)	55.19	GN	6	vein	A	8	154	71	-147.4	38.6	S	301	71	314.8	43.7
GR-1, 31 cm (Piece 4)	55.11	GN	6	vein	C	9	346	41	-147.4	38.6	S	133	41	118.6	69.1
GR-1, 40 cm (Piece 4)	55.20	GN	6	vein	C	14	262	42	-147.4	38.6	S	049	42	062.2	70.5
GR-1, 40 cm (Piece 4)	55.20	GN	6	vein	C	16	092	39	-147.4	38.6	S	239	39	182.2	18.9
GR-1, 46 cm (Piece 5)	55.26	GN	6	vein	C	1	154	58	099.0	38	J	055	58	060.8	86.6
GR-1, 47 cm (Piece 5)	55.27	GN	6	vein	C	3	183	42	099.0	38	J	084	42	085.9	75.3
GR-1, 49 cm (Piece 5)	55.29	GN	6	vein	C	4	205	48	099.0	38	J	106	48	102.0	80.5
GR-1, 45 cm (Piece 5)	55.25	GN	6	vein	S	5	175	43	099.0	38	J	076	43	080.2	75.7
GR-1, 58 cm (Piece 5)	55.38	GN	6	vein	C	6	350	32	099.0	38	J	251	32	164.3	10.3
GR-1, 57 cm (Piece 5)	55.37	GN	6	vein	C	7	199	64	099.0	38	J	100	64	279.0	83.0

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
							str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
6R-1, 57 cm (Piece 5)	55.37	GN	6	vein	A	8	175	70	099.0	38	J	076	70	256.5	77.5
6R-1, 62 cm (Piece 5)	55.42	GN	6	vein	C	9	173	48	099.0	38	J	074	48	078.0	80.5
6R-1, 63 cm (Piece 5)	55.43	GN	6	vein	S	10	049	75	099.0	38	J	310	75	322.6	51.4
6R-1, 74 cm (Piece 7)	55.54	GN	6	vein	C	1	246	33	087.0	24	C	159	33	137.7	43.4
6R-1, 78 cm (Piece 7)	55.58	GN	6	vein	C	3	208	33	087.0	24	C	121	33	111.3	50.5
6R-1, 73 cm (Piece 7)	55.53	GN	6	vein	S	5	181	50	087.0	24	C	094	50	093.3	69.4
6R-1, 96 cm (Piece 8)	55.76	GN	6	vein	S	1	163	63	053.2	66.2	S	110	63	290.9	58.6
6R-1, 91 cm (Piece 8)	55.71	GN	6	vein	A	3	237	18	053.2	66.2	S	184	18	110.5	61.9
6R-1, 87 cm (Piece 8)	55.67	GN	6	vein	S	4	182	48	053.2	66.2	S	129	48	298.4	79.1
6R-1, 98 cm (Piece 8)	55.78	GN	6	vein	S	2	180	44	053.2	66.2	S	127	44	295.0	81.6
6R-1, 99 cm (Piece 8)	55.79	GN	6	vein	S	5	056	87	053.2	66.2	S	003	87	184.1	88.8
6R-1, 116 cm (Piece 10)	55.96	GN	6	vein	C	1	221	19	-086.0	63	J	307	19	073.7	44.2
6R-1, 118 cm (Piece 10)	55.98	GN	6	vein	C	2	170	90	-086.0	63	J	256	90	244.6	34.3
6R-1, 121 cm (Piece 10)	56.01	GN	6	vein	S	3	345	75	-086.0	63	J	71	75	245.8	50.0
6R-1, 138 cm (Piece 12)	56.18	GN	6	vein	C	1	198	42							
6R-1, 135 cm (Piece 12)	56.15	GN	6	vein	C	2	176	82							
6R-1, 142 cm (Piece 12)	56.22	GN	6	vein	C	3	217	36							
6R-1, 134 cm (Piece 12)	56.14	GN	6	vein	S	4	255	66							
6R-1, 136 cm (Piece 12)	56.16	GN	6	vein	A	5	005	85							
6R-2, 24 cm (Piece 1)	56.47	GN	6	vein	S	1	171	50	065.0	16	P	106	50	104.0	61.0
6R-2, 23 cm (Piece 1)	56.46	GN	6	vein	S	2	185	48	065.0	16	P	120	48	116.0	58.1
6R-2, 20 cm (Piece 1)	56.43	GN	6	vein	C	3	182	50	065.0	16	P	117	50	133.6	60.3
6R-2, 17 cm (Piece 1)	56.40	GN	6	vein	C	4	192	41	065.0	16	P	127	41	120.8	50.5
6R-2, 16 cm (Piece 1)	56.39	GN	6	vein	C	5	178	64	065.0	16	P	113	64	111.4	74.6
6R-2, 1 cm (Piece 1)	56.24	GN	6	vein	C	7	132	26	065.0	16	P	067	26	073.4	36.7
6R-2, 28 cm (Piece 2)	56.51	GN	6	vein	C	1	353	42							
6R-2, 29 cm (Piece 2)	56.52	GN	6	vein	C	3	303	69							
6R-2, 30 cm (Piece 2)	56.53	GN	6	vein	S	4	082	75							
6R-2, 40 cm (Piece 4)	56.63	GN	6	ign contact	C	1	204	7	018.0	28	J	186	7	107.6	23.7
6R-2, 45 cm (Piece 4)	56.68	GN	6	vein	C	2	188	50	018.0	28	J	170	50	153.4	57.5
6R-2, 46 cm (Piece 4)	56.69	GN	6	vein	C	3	170	48	018.0	28	J	152	48	138.2	61.6
6R-2, 58 cm (Piece 5)	56.81	GN	6	vein	S	1	346	49							
6R-2, 56 cm (Piece 5)	56.79	GN	6	vein	C	2	194	41							
6R-2, 69 cm (Piece 5)	56.92	GN	6	vein	C	3	167	61							
6R-2, 67 cm (Piece 5)	56.90	GN	6	vein	S	4	007	40							
6R-2, 66 cm (Piece 5)	56.89	GN	6	vein	S	5	165	47							
6R-2, 68 cm (Piece 5)	56.91	GN	6	vein	S	6	144	30							
6R-2, 54 cm (Piece 5)	56.77	GN	6	vein	C	7	204	53							
6R-2, 50 cm (Piece 5)	56.73	GN	6	vein	S	8	189	46							
6R-2, 83 cm (Piece 6)	57.06	GN	6	vein	S	1	208	59	-027.7	30.1	S	236	59	221.2	39.6
6R-2, 72 cm (Piece 6)	56.95	GN	6	vein	C	2	084	59	-027.7	30.1	S	112	59	108.9	83.0
6R-2, 73 cm (Piece 6)	56.96	GN	6	vein	S	3	125	68	-027.7	30.1	S	153	68	146.8	81.0
6R-2, 72 cm (Piece 6)	56.95	GN	6	vein	C	4	084	62	-027.7	30.1	S	112	62	109.4	85.9
6R-2, 91 cm (Piece 6)	57.14	GN	6	vein	S	5	343	70	-027.7	30.1	S	011	70	018.5	76.6
6R-2, 101 cm (Piece 8)	57.24	GN	6	vein	S	1	184	44							
6R-2, 100 cm (Piece 8)	57.23	GN	6	vein	S	2	171	48							
6R-2, 105 cm (Piece 9)	57.28	GN	6	vein	S	1	349	71							
6R-2, 111 cm (Piece 9)	57.34	GN	6	vein	S	2	354	63							
6R-2, 109 cm (Piece 9)	57.32	GN	6	vein	S	3	035	32							
6R-2, 109 cm (Piece 9)	57.32	GN	6	vein	S	4	209	67							
6R-2, 122 cm (Piece 10)	57.45	GN	6	vein	C	1	189	52							
6R-2, 121 cm (Piece 10)	57.44	GN	6	vein	S	3	318	30							
6R-3, 2 cm (Piece 1)	57.75	GN	6	vein	S	1	357	64	-145.0	42	J	142	64	135.1	89.3
7R-1, 45 cm (Piece 9)	65.25	GN	6	vein	C	1	348	56							
7R-1, 56 cm (Piece 11)	65.36	GN	6	vein	A	1	347	59							
7R-1, 94 cm (Piece 14)	65.74	GN	6	vein	S	1	186	71	079.0	27	C	107	71	286.1	87.5
7R-1, 88 cm (Piece 14)	65.68	GN	6	vein	S	2	189	75	079.0	27	C	110	75	289.4	83.9
7R-1, 87 cm (Piece 14)	65.67	GN	6	vein	S	3	215	51	079.0	27	C	136	51	127.1	67.9
7R-1, 103 cm (Piece 14)	65.83	GN	6	vein	S	4	170	56	079.0	27	C	091	56	090.8	78.4
7R-1, 105 cm (Piece 15)	65.85	GN	6	fault brecc											
7R-1, 132 cm (Piece 19)	66.12	GN	6	vein	S	1	350	67							
7R-1, 132 cm (Piece 19)	66.12	GN	6	vein	S	2	122	76							
7R-2, 1 cm (Piece 1)	66.23	GN	6	vein	S	1	171	63	059.9	32.2	S (+C)	111	63	108.6	89.0
7R-2, 5 cm (Piece 1)	66.27	GN	6	vein	S	2	170	51	059.9	32.2	S	110	51	105.8	77.3
7R-2, 10 cm (Piece 1)	66.32	GN	6	vein	S	3	190	73	059.9	32.2	S	130	73	308.1	85.4
7R-2, 8 cm (Piece 1)	66.30	GN	6	foliation		4	195	56	059.9	32.2	S	135	56	127.0	77.1
7R-2, 28 cm (Piece 3)	66.50	GN	6	vein	S	1	174	65							
7R-2, 32 cm (Piece 4)	66.54	GN	6	vein	C	1	166	50							
7R-2, 36 cm (Piece 4)	66.58	GN	6	vein	C	11	189	90							
7R-2, 39 cm (Piece 4)	66.61	GN	6	fels dikelet		12	198	69							
7R-2, 54 cm (Piece 6)	66.76	GN	6	vein	C	1	150	90	171.0	36	C	339	90	341.9	79.2
7R-2, 59 cm (Piece 6)	66.81	GN	6	vein	C	2	298	15	171.0	36	C	127	15	102.9	44.2
7R-2, 56 cm (Piece 6)	66.78	GN	6	vein	S	3	343	76	171.0	36	C	172	76	165.9	82.2
7R-2, 53 cm (Piece 6)	66.75	GN	6	vein	S	4	343	80	171.0	36	C	172	80	168.0	85.6
7R-2, 60 cm (Piece 6)	66.82	GN	6	vein	C	5	026	57	171.0	36	C	215	57	190.5	44.3
7R-2, 60 cm (Piece 6)	66.82	GN	6	vein	C	6	306	13	171.0	36	C	135	13	103.9	41.5
7R-2, 70 cm (Piece 7)	66.92	GN	6	vein	C	1	342	44							
7R-2, 70 cm (Piece 7)	66.92	GN	6	vein	C	2	357	50							
8R-1, 11 cm (Piece 2)	68.61	GN	6	vein	C	1	232	66							
8R-1, 11 cm (Piece 2)	68.61	GN	6	vein	C	2	161	46							
8R-1, 13 cm (Piece 2)	68.63	GN	6	vein	C	3	116	57							
8R-1, 14 cm (Piece 2)	68.64	GN	6	vein	C	4	281	39							
8R-1, 14 cm (Piece 2)	68.64	GN	6	vein	C	5	133	75							
8R-1, 42 cm (Piece 5)	68.92	GN	6	vein	C	3	350	37	-104.3	26.3	S	094	37	092.8	58.7
8R-1, 47 cm (Piece 5)	68.97	GN	6	vein	C	4	022	55	-104.3	26.3	S	126	55	120.2	73.3
8R-1, 51 cm (Piece 5)	69.01	GN	6	vein	C	5	048	49	-104.3	26.3	S	152	49	139.4	61.4
8R-1, 61 cm (Piece 5)	69.11	GN	6	vein	C	6	178	50	-104.3	26.3	S	282	50	289.2	29.0
8															

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.	Meas. by	Rest (D only)		Rest (D + I)		
							str (°)	dip (°)			dec (°)	inc (°)	str (°)	dip (°)	
8R-1, 74 cm (Piece 5)	69.24	GN	6	vein	Z	8	220	62	-104.3	26.3	S	324	62	336.6	51.1
8R-1, 41 cm (Piece 5)	68.91	GN	6	vein	C	9	301	64	-104.3	26.3	S	045	64	049.8	80.1
8R-1, 71 cm (Piece 5)	69.21	GN	6	vein	Z	10	177	60	-104.3	26.3	S	281	60	285.0	38.8
8R-1, 63 cm (Piece 5)	69.13	GN	6	vein	C	11	354	86	-104.3	26.3	S	098	86	278.4	72.5
8R-1, 37 cm (Piece 5)	68.87	GN	6	vein	C	12	240	40	-104.3	26.3	S	344	40	010.9	39.0
8R-1, 68 cm (Piece 5)	69.18	GN	6	vein	C	13	179	62	-104.3	26.3	S	283	62	287.6	41.0
8R-1, 83 cm (Piece 5)	69.33	GN	6	vein	C	14	307	53	-104.3	26.3	S	051	53	057.8	70.8
8R-1, 82 cm (Piece 5)	69.32	GN	6	vein	C	15	320	43	-104.3	26.3	S	064	43	070.4	63.1
8R-1, 116 cm (Piece 10)	69.66	GN	6	vein	C	1	205	59							
8R-1, 120 cm (Piece 10)	69.70	GN	6	vein	C	2	188	69							
8R-1, 137 cm (Piece 10)	69.87	GN	6	vein	C	3	160	56							
8R-1, 140 cm (Piece 11)	69.90	GN	6	vein	C	1	121	59							
8R-1, 140 cm (Piece 11)	69.90	GN	6	vein	C	2	168	59							
8R-1, 145 cm (Piece 11)	69.95	GN	6	vein	C	3	118	75							
8R-1, 149 cm (Piece 11)	69.99	GN	6	vein	C	4	191	55							
8R-2, 1 cm (Piece 1)	70.02	GN	6	vein	C	1	357	80							
8R-2, 3 cm (Piece 1)	70.04	GN	6	vein	C	2	169	59							
8R-2, 6 cm (Piece 1)	70.07	GN	6	vein	C	3	192	60							
8R-2, 13 cm (Piece 1)	70.14	GN	6	vein	C	4	158	53							
8R-2, 2 cm (Piece 1)	70.03	GN	6	vein	C	5	232	71							
8R-2, 32 cm (Piece 4)	70.33	GN	6	vein	S	1	354	52	016.2	33.9	S	338	52	003.4	47.0
8R-2, 31 cm (Piece 4)	70.32	GN	6	vein	S	2	176	90	016.2	33.9	S	160	90	342.4	80.4
8R-2, 31 cm (Piece 4)	70.32	GN	6	vein	S	3	187	90	016.2	33.9	S	171	90	352.1	85.6
8R-2, 33 cm (Piece 4)	70.34	GN	6	foliation		4	240	80	016.2	33.9	S	224	80	215.8	60.9
8R-2, 87 cm (Piece 8)	70.88	GN	6	vein	S	1	182	90							
8R-2, 87 cm (Piece 8)	70.88	GN	6	foliation		2	075	83							
8R-2, 107 cm (Piece 10)	71.08	GN	6	vein	S	1	193	79							
9R-1, 8 cm (Piece 2)	70.09	GN	6	vein	S	1	170	68							
9R-1, 13 cm (Piece 2)	70.14	GN	6	vein	A	2	183	61							
9R-1, 33 cm (Piece 6)	74.73	GN	6	vein	S	1	168	38							
9R-1, 35 cm (Piece 6)	74.75	GN	6	vein	S	2	155	16							
9R-1, 48 cm (Piece 7)	74.88	GN	6	vein	S	1	176	42							
9R-1, 79 cm (Piece 11)	75.19	GN	6	vein	S	1	307	59							
9R-1, 86 cm (Piece 11)	75.26	GN	6	vein	S	2	040	58							
9R-1, 99 cm (Piece 15)	75.39	GN	6	vein	A	1	345	47							
9R-1, 102 cm (Piece 15)	75.42	GN	6	foliation		2	240	63							
9R-1, 99 cm (Piece 15)	75.39	GN	6	igneous contact		3	190	15							
9R-1, 113 cm (Piece 16)	75.53	GN	6	vein	C	1	170	72	240.0	-31	C	290	72	109.7	74.4
9R-1, 116 cm (Piece 16)	75.56	GN	6	vein	S	2	177	69	240.0	-31	C	297	69	115.6	78.9
9R-1, 127 cm (Piece 16)	75.67	GN	6	vein	S	3	183	40	240.0	-31	C	303	40	291.6	72.0
9R-2, 9 cm (Piece 1)	75.81	GN	6	vein	C	1	115	74	-034.0	40	J	149	74	325.6	86.4
9R-2, 4 cm (Piece 1)	75.76	GN	6	vein	S	2	170	73	-034.0	40	J	204	73	189.6	62.4
9R-2, 20 cm (Piece 1)	75.92	GN	6	vein	C	3	171	62	-034.0	40	J	205	62	182.3	53.2
9R-2, 26 cm (Piece 1)	75.98	GN	6	vein	C	4	157	58	-034.0	40	J	191	58	168.1	58.3
9R-2, 29 cm (Piece 1)	76.01	GN	6	vein	C	5	146	64	-034.0	40	J	180	64	164.2	69.1
9R-2, 32 cm (Piece 1)	76.04	GN	6	vein	C	6	178	48	-034.0	40	J	212	48	174.0	39.3
9R-2, 13 cm (Piece 1)	75.85	GN	6	vein	C	7	197	51	-034.0	40	J	231	51	194.6	30.4
9R-2, 2 cm (Piece 1)	75.74	GN	6	vein	C	8	101	78	-034.0	40	J	135	78	315.3	76.6
9R-2, 35 cm (Piece 2)	76.07	GN	6	vein	C	1	182	59							
9R-2, 38 cm (Piece 2)	76.10	GN	6	vein	C	2	122	73							
9R-2, 40 cm (Piece 2)	76.12	GN	6	vein	C	3	185	41							
9R-2, 45 cm (Piece 2)	76.17	GN	6	vein	C	4	180	63							
9R-2, 49 cm (Piece 2)	76.21	GN	6	vein	C	6	165	36							
9R-2, 51 cm (Piece 2)	76.23	GN	6	vein	C	7	172	89							
9R-2, 74 cm (Piece 4)	76.46	GN	6	vein	C	4	186	63	112.0	32	J	074	63	075.8	89.5
9R-2, 76 cm (Piece 4)	76.48	GN	6	vein	S	5	183	71	112.0	32	J	071	71	251.9	83.0
9R-2, 88 cm (Piece 5)	76.60	GN	6	vein	S	1	183	48	030.6	24.2	S	152	48	139.9	59.1
9R-2, 96 cm (Piece 5)	76.68	GN	6	vein	S	3	190	52	030.6	24.2	S	159	52	147.3	61.0
9R-2, 106 cm (Piece 5)	76.78	GN	6	vein	S	4	151	55	030.6	24.2	S	120	55	115.4	72.4
9R-2, 118 cm (Piece 5)	76.90	GN	6	vein	S	5	150	74	030.6	24.2	S	119	74	297.8	88.7
9R-2, 78 cm (Piece 5)	76.50	GN	6	vein	S	6	180	37	030.6	24.2	S	149	37	132.7	49.6
9R-2, 80 cm (Piece 5)	76.52	GN	6	vein	S	7	325	38	030.6	24.2	S	294	38	313.3	21.4
9R-2, 89 cm (Piece 5)	76.61	GN	6	vein	S	9	172	50	030.6	24.2	S	141	50	131.6	63.7
9R-2, 95 cm (Piece 5)	76.67	GN	6	vein	S	10	029	16	030.6	24.2	S	358	16	048.7	24.7
9R-2, 105 cm (Piece 5)	76.77	GN	6	vein	S	11	028	51	030.6	24.2	S	357	51	012.6	52.7
9R-3, 7 cm (Piece 1)	77.05	GN	6	vein	S	1	166	50	051.0	44	C	115	50	108.9	86.8
9R-3, 11 cm (Piece 1)	77.09	GN	6	vein	S	2	180	60	051.0	44	C	129	60	303.1	87.7
9R-3, 19 cm (Piece 1)	77.17	GN	6	vein	S	4	142	53	051.0	44	C	091	53	270.8	87.6
9R-3, 16 cm (Piece 1)	77.14	GN	6	vein	S	5	016	49	051.0	44	C	325	49	07.5	38.6
9R-3, 22 cm (Piece 1)	77.20	GN	6	vein	S	6	173	47	051.0	44	C	122	47	113.0	82.3
9R-3, 29 cm (Piece 1)	77.27	GN	6	vein	S	9	015	75	051.0	44	C	324	75	340.6	55.9
9R-3, 30 cm (Piece 1)	77.28	GN	6	vein	S	10	169	55	051.0	44	C	118	55	292.6	89.1
9R-3, 33 cm (Piece 1)	77.31	GN	6	vein	S	11	191	37	051.0	44	C	140	37	119.8	68.2
9R-3, 51 cm (Piece 4)	77.49	GN	6	vein	A	1	247	74							
9R-3, 64 cm (Piece 5)	77.62	GN	6	vein	S	2	217	26	072.3	11.8	S (+P+J)	145	26	134.8	30.7
9R-3, 72 cm (Piece 5)	77.70	GN	6	vein	S	3	020	56	072.3	11.8	S (+P+J)	308	56	311.4	50.5
9R-3, 84 cm (Piece 5)	77.82	GN	6	vein	S	4	254	40	072.3	11.8	S (+P+J)	182	40	173.5	40.3
9R-3, 85 cm (Piece 5)	77.83	GN	6	vein	S	5	280	77	072.3	11.8	S (+P+J)	208	77	206.3	73.7
9R-3, 91 cm (Piece 5)	77.89	GN	6	vein	S	7	017	75	072.3	11.8	S (+P+J)	305	75	306.4	69.1
9R-3, 94 cm (Piece 5)	77.92	GN	6	vein	S	10	345	74	072.3	11.8	S (+P+J)	273	74	273.1	66.8
9R-3, 96 cm (Piece 5)	77.94	GN	6	vein	S	8	334	54	072.3	11.8	S (+P+J)	262	54	261.1	46.9
9R-3, 99 cm (Piece 5)	77.97	OGN	7	vein	S	9	260	81	072.3	11.8	S (+P+J)	188	81	186.8	80.1
9R-3, 102 cm (Piece 6)	78.00	OGN	7	vein	S	2	160	87							
9R-3, 104 cm (Piece 6)	78.02	OGN	7	vein	S	1	015	53							
9R-3, 103 cm (Piece 6)	78.01	OGN	7	vein	S	3	000	63							
9R-3, 129 cm (Piece 10)	78.27	OGN	7	vein	S	1	169	48							

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem. dec (°)	Meas. by	Rest (D only)		Rest (D + I)		
							str (°)	dip (°)			str (°)	dip (°)	str (°)	dip (°)	
9R-3, 135 cm (Piece 11)	78.33	OGN	7	vein	S	2	152	90					240.8	77.3	
9R-4, 10 cm (Piece 2)	78.51	OGN	7	vein	C	1	336	64	278.0	P	058	64	246.8	68.8	
9R-4, 16 cm (Piece 2)	78.57	OGN	7	vein	C	2	345	70	278.0	P	067	70	246.8	68.8	
9R-4, 20 cm (Piece 2)	78.61	OGN	7	vein	C	3	345	70	278.0	P	067	70	246.8	68.8	
9R-4, 30 cm (Piece 3)	78.71	OGN	7	vein	C	1	013	85	145.0	P	228	85	223.1	66.0	
9R-4, 58 cm (Piece 4)	78.99	OGN	7	vein	C	1	190	45							
9R-4, 57 cm (Piece 4)	78.98	OGN	7	vein	C	2	025	48							
9R-4, 80 cm (Piece 6)	79.21	OGN	7	vein	C	1	009	68	-026.4	S	035	68	218.7	76.8	
9R-4, 81 cm (Piece 6)	79.22	OGN	7	foliation		2	120	74	-026.4	S	146	74	326.3	73.2	
9R-4, 91 cm (Piece 7)	79.32	OGN	7	vein	C	1	282	61	321.0	C	321	61	333.0	49.7	
9R-4, 92 cm (Piece 7)	79.33	OGN	7	foliation		3	320	78	321.0	C	222	67	212.8	54.5	
9R-4, 111 cm (Piece 9)	79.52	OGN	7	vein	S	1	130	40	321.0	C	359	78	003.3	78.4	
9R-4, 109 cm (Piece 9)	79.50	OGN	7	vein	A	2	187	49							
9R-4, 128 cm (Piece 11)	79.69	OGN	7	foliation		2	120	90	Unstable	S					
9R-4, 131 cm (Piece 11)	79.72	OGN	7	vein	A	1	040	75	Unstable	S					
9R-4, 140 cm (Piece 12)	79.81	OGN	7	vein	A	1	315	14							
9R-4, 138 cm (Piece 12)	79.79	OGN	7	vein	A	2	048	67							
9R-5, 6 cm (Piece 1)	79.94	OGN	7	vein	A	1	015	65	Unstable	J					
9R-5, 0 cm (Piece 1)	79.88	OGN	7	vein	C	2	004	73	Unstable	J					
9R-5, 15 cm (Piece 2)	80.03	OGN	7	foliation		1	277	74	Unstable	J					
9R-5, 26 cm (Piece 3)	80.14	OGN	7	foliation		1	155	56							
10R-1, 48 cm (Piece 1)	79.58	G	8	fault brecc		1									
10R-1, 46 cm (Piece 10)	79.56	G	8	vein	C	1	166	67							
10R-1, 58 cm (Piece 10)	79.68	G	8	vein	S	2	183	48							
10R-1, 60 cm (Piece 11)	79.70	G	8	vein	S	1	019	52							
10R-1, 56 cm (Piece 11)	79.66	G	8	vein	S	2	200	52							
10R-1, 65 cm (Piece 11)	79.75	G	8	vein	S	3	193	46							
10R-1, 56 cm (Piece 11)	79.66	G	8	vein	S	4	131	52							
10R-1, 85 cm (Piece 11)	79.95	G	8	foliation		5	240	74							
10R-1, 92 cm (Piece 13)	80.02	G	8	foliation		6	115	67	016.8	35.8	S (+C)	098	67	277.4	82.1
10R-1, 106 cm (Piece 13)	80.16	G	8	foliation		7	218	57	016.8	35.8	S (+C)	201	57	178.2	51.6
10R-1, 80 cm (Piece 13)	79.90	G	8	vein	S	1	107	68	016.8	35.8	S (+C)	090	68	270.0	80.8
10R-1, 87 cm (Piece 13)	79.97	G	8	vein	S	2	150	45	016.8	35.8	S (+C)	133	45	120.8	70.3
10R-1, 88 cm (Piece 13)	79.98	G	8	vein	S	4	127	53	016.8	35.8	S (+C)	110	53	106.0	82.8
10R-1, 87 cm (Piece 13)	79.97	G	8	vein	S	5	232	50	016.8	35.8	S (+C)	215	50	183.9	39.0
10R-1, 110 cm (Piece 15)	80.20	G	8	vein	Z	1	188	52							
10R-1, 117 cm (Piece 17)	80.27	G	8	vein	S	1	216	32	092.0	38	J	124	32	109.6	62.2
10R-2, 12 cm (Piece 2)	80.60	G	8	foliation		3	249	52	019.0	29	C	230	52	201.3	35.9
10R-2, 10 cm (Piece 2)	80.58	G	8	vein	S	1	010	45	019.0	29	C	351	45	015.3	46.4
10R-2, 8 cm (Piece 2)	80.56	G	8	vein	S	2	247	64	019.0	29	C	228	64	215.4	47.5
10R-2, 9 cm (Piece 2)	80.57	G	8	vein	S	3	097	46	019.0	29	C	078	46	080.8	70.0
11R-1, 35 cm (Piece 1)	84.45	GN	9	fault brecc		1									
11R-1, 48 cm (Piece 7)	84.58	GN	9	fault brecc		1									
11R-1, 49 cm (Piece 10)	84.59	GN	9	vein	S	1	356	60							
11R-1, 52 cm (Piece 10)	84.62	GN	9	vein	S	2	358	60							
11R-1, 81 cm (Piece 12)	84.91	GN	9	vein	C	2	012	46							
11R-1, 78 cm (Piece 12)	84.88	GN	9	vein	C	1	028	52							
11R-1, 79 cm (Piece 12)	84.89	GN	9	vein	C	3	030	46							
11R-1, 74 cm (Piece 12)	84.84	GN	9	vein	S	4	333	41							
11R-1, 94 cm (Piece 14)	85.04	GN	9	vein	C	1	347	49	-096.0	29	J	083	49	084.5	73.3
11R-1, 95 cm (Piece 14)	85.05	GN	9	vein	C	2	355	47	-096.0	29	J	091	47	090.8	71.4
11R-1, 100 cm (Piece 14)	85.10	GN	9	vein	C	3	357	32	-096.0	29	J	093	32	091.9	56.4
11R-1, 117 cm (Piece 16)	85.27	GN	9	vein	C	8	164	43							
11R-1, 112 cm (Piece 16)	85.22	GN	9	vein	C	1	123	50							
11R-1, 129 cm (Piece 17)	85.39	GN	9	vein	C	7	358	42							
11R-1, 121 cm (Piece 17)	85.31	GN	9	vein	C	1	045	52							
11R-2, 27 cm (Piece 5)	85.84	GN	9	vein	S	1	016	52	-102.2	35.0	S (+C)	118	52	112.1	79.7
11R-2, 28 cm (Piece 5)	85.85	GN	9	vein	C	2	345	61	-102.2	35.0	S (+C)	087	61	267.4	88.6
11R-2, 33 cm (Piece 5)	85.90	GN	9	vein	S	3	010	47	-102.2	35.0	S (+C)	112	47	106.4	75.8
11R-2, 39 cm (Piece 5)	85.96	GN	9	vein	C	4	008	60	-102.2	35.0	S (+C)	110	60	107.2	88.9
11R-2, 41 cm (Piece 5)	85.98	GN	9	vein	S	5	015	43	-102.2	35.0	S (+C)	117	43	109.1	71.1
11R-2, 35 cm (Piece 5)	85.92	GN	9	vein	S	6	020	46	-102.2	35.0	S (+C)	122	46	113.5	73.1
11R-2, 35 cm (Piece 5)	85.92	GN	9	foliation		7	320	70	-102.2	35.0	S (+C)	062	70	243.6	82.8
11R-2, 59 cm (Piece 7)	86.16	GN	9	vein	S	1	178	79							
11R-2, 67 cm (Piece 8)	86.24	GN	9	vein	S	1	355	66							
11R-2, 67 cm (Piece 8)	86.24	GN	9	vein	S	2	356	64							
11R-2, 85 cm (Piece 9)	86.42	GN	9	vein	S	1	021	67							
11R-2, 79 cm (Piece 9)	86.36	GN	9	vein	S	2	173	49							
11R-2, 95 cm (Piece 10)	86.52	GN	9	vein	S	1	189	66							
11R-2, 92 cm (Piece 10)	86.49	GN	9	vein	S	2	108	50							
11R-2, 95 cm (Piece 10)	86.52	GN	9	vein	S	3	161	24							
11R-2, 112 cm (Piece 11)	86.69	GN	9	vein	S	1	357	75							
11R-2, 115 cm (Piece 12)	86.72	GN	9	vein	S	1	081	75							
11R-2, 129 cm (Piece 12)	86.86	GN	9	vein	S	2	021	63							
11R-2, 120 cm (Piece 12)	86.77	GN	9	vein	Z	3	257	38							
11R-2, 123 cm (Piece 12)	86.80	GN	9	foliation		4	135	72							
11R-3, 0 cm (Piece 1)	87.02	GN	9	vein	S	1	107	60							
11R-3, 11 cm (Piece 1)	87.13	GN	9	vein	S	2	178	64							
11R-3, 16 cm (Piece 3)	87.18	GN	9	vein	S	1	009	72							
11R-3, 45 cm (Piece 6)	87.47	OGN	10	vein	S	1	164	90							
11R-3, 47 cm (Piece 6)	87.49	OGN	10	vein	A	2	345	69							
12R-1, 8 cm (Piece 1)	93.88	GN	11	fault brecc		1									
12R-1, 35 cm (Piece 5)	94.15	GN	11	fault brecc		1									
12R-1, 80 cm (Piece 10)	94.60	GN	11	fault brecc		1									
12R-1, 92 cm (Piece 11)	94.72	GN	11	fault brecc		1									
12R-1, 97 cm (Piece 12)	94.77	GN	11	vein	C	1	172	60							
12R-1, 104 cm (Piece 12)	94.84	GN	11	vein	S	2	123	18							

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
							str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
12R-1, 109 cm (Piece 12)	94.89	GN	11	vein	S	3	198	46							
12R-1, 115 cm (Piece 12)	94.95	GN	11	vein	S	4	194	41							
12R-1, 121 cm (Piece 12)	95.01	GN	11	vein	C	5	195	51							
12R-1, 101 cm (Piece 12)	94.81	GN	11	vein	S	6	223	58							
12R-1, 103 cm (Piece 12)	94.83	GN	11	vein	S	7	220	52							
12R-1, 110 cm (Piece 12)	94.90	GN	11	vein	C	8	195	42							
12R-1, 128 cm (Piece 13)	95.08	GN	11	fault brecc		1									
12R-2, 53 cm (Piece 4)	95.85	GN	11	vein	C	1	182	44	082.7	43.7	S	099	44	096.3	82.8
12R-2, 58 cm (Piece 4)	95.90	GN	11	vein	S	2	205	56	082.7	43.7	S	122	56	296.1	89.5
12R-2, 21 cm (Piece 4)	95.53	GN	11	vein	C	3	138	43	082.7	43.7	S	055	43	066.4	77.6
12R-2, 35 cm (Piece 4)	95.67	GN	11	vein	S	4	119	55	082.7	43.7	S	036	55	048.0	81.9
12R-2, 34 cm (Piece 4)	95.66	GN	11	vein	S	5	245	30	082.7	43.7	S	162	30	125.5	54.9
12R-2, 33 cm (Piece 4)	95.65	GN	11	vein	S	6	139	35	082.7	43.7	S	056	35	070.1	70.4
12R-2, 42 cm (Piece 4)	95.74	GN	11	foliation		10	045	90	082.7	43.7	S	322	90	328.8	67.2
12R-2, 62 cm (Piece 4)	95.94	GN	11	vein	S	8	258	61	082.7	43.7	S	175	61	157.3	70.8
12R-2, 64 cm (Piece 4)	95.96	GN	11	vein	S	9	243	44	082.7	43.7	S	160	44	135.7	65.9
12R-2, 70 cm (Piece 5)	96.02	GN	11	fault brecc		1									
12R-2, 87 cm (Piece 9)	96.19	GN	11	vein	S	1	135	55							
12R-2, 98 cm (Piece 9)	96.30	GN	11	vein	S	2	165	41							
12R-2, 90 cm (Piece 9)	96.22	GN	11	vein	S	3	245	90							
12R-2, 96 cm (Piece 9)	96.28	GN	11	vein	S	4	190	79							
12R-2, 98 cm (Piece 9)	96.30	GN	11	igne contact		5	180	85							
12R-2, 98 cm (Piece 9)	96.30	GN	11	foliation		6	165	61							
12R-2, 109 cm (Piece 10)	96.41	GN	11	vein	C	1	068	44	323.0	44	C	105	44	100.4	82.5
12R-2, 129 cm (Piece 10)	96.61	GN	11	vein	S	2	070	42	323.0	44	C	107	42	101.4	80.3
12R-2, 120 cm (Piece 10)	96.52	GN	11	vein	C	3	162	41	323.0	44	C	199	41	153.2	44.0
12R-2, 108 cm (Piece 10)	96.40	GN	11	vein	S	4	125	82	323.0	44	C	162	82	341.0	85.0
12R-2, 129 cm (Piece 10)	96.61	GN	11	vein	S	5	180	70	323.0	44	C	217	70	196.3	51.4
12R-2, 136 cm (Piece 10)	96.68	GN	11	foliation		6	180	50	323.0	44	C	217	50	175.2	37.9
12R-2, 134 cm (Piece 11)	96.66	GN	11	vein	C	1	005	49	243.0	54	C	122	49	293.6	86.6
12R-2, 140 cm (Piece 11)	96.72	GN	11	foliation		2	030	56	243.0	54	C	147	56	134.1	88.8
12R-3, 8 cm (Piece 1)	96.84	GN	11	vein	S	1	059	85	304.0	36	C (+J)	115	85	297.3	66.7
12R-3, 18 cm (Piece 1)	96.94	GN	11	vein	C	2	352	63	304.0	36	C (+J)	048	63	053.4	87.6
12R-3, 10 cm (Piece 1)	96.86	GN	11	vein	S	3	075	56	304.0	36	C (+J)	131	56	123.4	81.3
12R-3, 19 cm (Piece 1)	96.95	GN	11	vein	S	4	077	50	304.0	36	C (+J)	133	50	122.7	75.1
12R-3, 26 cm (Piece 1)	97.02	GN	11	vein	S	5	036	39	304.0	36	C (+J)	092	39	091.3	70.4
12R-3, 30 cm (Piece 1)	97.06	GN	11	vein	S	6	335	80	304.0	36	C (+J)	031	80	211.8	83.3
12R-3, 32 cm (Piece 1)	97.08	GN	11	vein	S	7	025	32	304.0	36	C (+J)	081	32	084.7	63.2
12R-3, 34 cm (Piece 1)	97.10	GN	11	vein	S	8	099	44	304.0	36	C (+J)	155	44	135.2	62.5
12R-3, 39 cm (Piece 1)	97.15	GN	11	vein	S	9	104	24	304.0	36	C (+J)	160	24	122.7	45.0
12R-3, 45 cm (Piece 1)	97.21	GN	11	vein	S	10	009	83	304.0	36	C (+J)	065	83	243.2	68.6
12R-3, 60 cm (Piece 2)	97.36	GN	11	vein	S	1	006	65	188.0	35	C	178	65	165.1	69.6
12R-3, 50 cm (Piece 2)	97.26	GN	11	vein	S	2	297	43	188.0	35	C	109	43	103.5	72.3
12R-3, 54 cm (Piece 2)	97.30	GN	11	vein	S	3	350	30	188.0	35	C	162	30	129.8	48.0
12R-3, 57 cm (Piece 2)	97.33	GN	11	foliation		4	284	80	188.0	35	C	096	80	276.3	69.8
12R-3, 60 cm (Piece 3)	97.36	GN	11	vein	S	1	348	49	251.0	35	P	097	49	095.4	79.2
12R-3, 72 cm (Piece 3)	97.48	GN	11	vein	S	2	040	54	251.0	35	P	149	54	136.6	72.8
12R-3, 69 cm (Piece 3)	97.45	GN	11	vein	S	3	007	50	251.0	35	P	116	50	110.1	78.1
12R-3, 80 cm (Piece 4)	97.56	GN	11	vein	S	1	359	48	-133.0	37	J	132	48	121.1	74.4
12R-3, 87 cm (Piece 4)	97.63	GN	11	vein	S	2	355	55	-133.0	37	J	128	55	120.6	82.0
12R-3, 94 cm (Piece 4)	97.70	GN	11	vein	S	3	280	71	-133.0	37	J	053	71	235.0	82.5
12R-3, 84 cm (Piece 4)	97.60	GN	11	vein	S	4	005	48	-133.0	37	J	138	48	125.4	72.6
12R-3, 103 cm (Piece 5)	97.79	GN	11	vein	C	1	334	43							
12R-3, 114 cm (Piece 7)	97.90	GN	11	vein	C	1	344	41							
12R-3, 124 cm (Piece 7)	98.00	GN	11	vein	C	2	300	40							
12R-3, 141 cm (Piece 8)	98.17	GN	11	vein	C	1	016	46	-151.2	36.2	S	167	46	144.4	59.5
12R-3, 149 cm (Piece 8)	98.25	GN	11	vein	S	2	305	55	-151.2	36.2	S	096	55	094.9	86.5
12R-3, 147 cm (Piece 8)	98.23	GN	11	foliation		3	050	70	-151.2	36.2	S	201	70	187.0	62.1
12R-4, 12 cm (Piece 2)	98.38	GN	11	vein	S	1	340	17							
12R-4, 9 cm (Piece 2)	98.35	GN	11	vein	S	2	025	77							
12R-4, 16 cm (Piece 3)	98.42	GN	11	vein	S	1	026	70	287.0	35	C	099	70	278.6	79.9
12R-4, 40 cm (Piece 4)	98.66	GN	11	vein	S	1	182	69	137.3	38.1	S	045	69	228.6	86.2
12R-4, 39 cm (Piece 4)	98.65	GN	11	vein	S	10	270	59	137.3	38.1	S	133	59	125.9	85.2
12R-4, 43 cm (Piece 4)	98.69	GN	11	vein	S	3	186	65	137.3	38.1	S	049	65	233.5	88.6
12R-4, 40 cm (Piece 4)	98.66	GN	11	vein	S	4	186	65	137.3	38.1	S	049	65	054.6	88.6
12R-4, 43 cm (Piece 4)	98.69	GN	11	vein	S	5	186	65	137.3	38.1	S	049	65	054.6	88.6
12R-4, 46 cm (Piece 4)	98.72	GN	11	vein	S	6	186	62	137.3	38.1	S	049	62	054.6	88.6
12R-4, 55 cm (Piece 4)	98.81	GN	11	vein	S	7	140	68	137.3	38.1	S	003	68	014.9	73.4
12R-4, 33 cm (Piece 4)	98.59	GN	11	vein	A	12	044	45	137.3	38.1	S	267	45	259.4	11.7
12R-4, 50 cm (Piece 4)	98.76	GN	11	foliation		13	315	68	137.3	38.1	S	178	68	165.8	72.9
12R-4, 56 cm (Piece 4)	98.82	GN	11	vein	S	8	165	63	137.3	38.1	S	028	63	037.3	81.5
12R-4, 123 cm (Piece 13)	99.49	GN	11	vein	S	1	176	65							
12R-4, 122 cm (Piece 13)	99.48	GN	11	vein	S	2	088	51							
12R-4, 123 cm (Piece 13)	99.49	GN	11	foliation		3	175	60							
12R-4, 134 cm (Piece 14)	99.60	GN	11	vein	S	1	017	68							
12R-4, 131 cm (Piece 14)	99.57	GN	11	vein	S	4	072	58							
12R-4, 140 cm (Piece 15)	99.66	GN	11	vein	S	1	179	90	264.0	19	P	275	90	275.2	75.7
12R-4, 140 cm (Piece 15)	99.66	GN	11	vein	S	2	185	90	264.0	19	P	281	90	281.3	75.9
12R-5, 35 cm (Piece 7)	100.12	GN	11	vein	S	1	090	31	058.0	41.0	S	032	31	059.0	58.1
12R-5, 44 cm (Piece 7)	100.21	GN	11	vein	C	2	180	50	058.0	41.0	S	122	50	114.2	82.4
12R-5, 45 cm (Piece 7)	100.22	GN	11	vein	C	3	180	51	058.0	41.0	S	122	51	114.5	83.4
12R-5, 49 cm (Piece 7)	100.26	GN	11	vein	C	4	200	66	058.0	41.0	S	142	66	316.0	89.6
12R-5, 53															

**Table 1 (continued).**

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
							str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
12R-5, 88 cm (Piece 9)	100.65	GN	11	vein	S	1	170	45	-012.0	47.1	S	182	45	147.0	57.5
12R-5, 87 cm (Piece 9)	100.64	GN	11	vein	S	2	250	87	-012.0	47.1	S	262	87	258.7	45.0
12R-5, 76 cm (Piece 9)	100.53	GN	11	vein	S	3	021	21	-012.0	47.1	S	033	21	068.8	56.2
12R-5, 97 cm (Piece 11)	100.74	GN	11	vein	S	1	359	66							
12R-5, 99 cm (Piece 11)	100.76	GN	11	vein	S	2	000	66							
12R-5, 105 cm (Piece 11)	100.82	GN	11	vein	S	3	000	58							
12R-5, 110 cm (Piece 11)	100.87	GN	11	vein	S	4	015	57							
12R-5, 111 cm (Piece 11)	100.88	GN	11	vein	S	5	015	57							
12R-5, 112 cm (Piece 11)	100.89	GN	11	vein	S	6	015	57							
12R-5, 110 cm (Piece 11)	100.87	GN	11	foliation		7	230	73							
12R-6, 4 cm (Piece 1)	101.25	GN	11	foliation		1	050	70							
12R-6, 32 cm (Piece 5)	101.53	GN	11	vein	S	1	173	67	034.0	33	C (+J)	139	67	134.1	86.8
12R-6, 33 cm (Piece 5)	101.54	GN	11	vein	S	2	173	67	034.0	33	C (+J)	139	67	134.1	86.8
12R-6, 30 cm (Piece 5)	101.51	GN	11	vein	S	6	264	90	034.0	33	C (+J)	230	90	226.4	68.6
12R-6, 38 cm (Piece 5)	101.59	GN	11	vein	S	3	141	73	034.0	33	C (+J)	107	73	286.5	79.8
12R-6, 37 cm (Piece 5)	101.58	GN	11	vein	S	4	143	73	034.0	33	C (+J)	109	73	288.4	80.0
12R-6, 41 cm (Piece 5)	101.62	GN	11	vein	S	5	200	71	034.0	33	C (+J)	166	71	158.8	79.8
12R-6, 57 cm (Piece 6)	101.78	GN	11	vein	S	1	180	26							
13R-1, 45 cm (Piece 7)	103.85	GN	11	vein	S	1	180	90							
13R-1, 64 cm (Piece 9)	104.04	GN	11	foliation		5	350	80	341.0	39	C (1/2)	009	80	013.0	86.8
13R-1, 68 cm (Piece 9)	104.08	GN	11	vein	S	2	185	50	341.0	39	C (1/2)	204	50	171.4	45.1
13R-1, 60 cm (Piece 9)	104.00	GN	11	vein	S	1	327	65	341.0	39	C (1/2)	346	65	003.8	61.8
13R-1, 70 cm (Piece 9)	104.10	GN	11	vein	S	3	358	42	341.0	39	C (1/2)	017	42	042.3	59.8
13R-1, 68 cm (Piece 9)	104.08	GN	11	vein	S	4	167	71	341.0	39	C (1/2)	186	71	173.8	71.1
13R-1, 77 cm (Piece 11)	104.17	GN	11	vein	S	1	181	10							
13R-1, 92 cm (Piece 11)	104.32	GN	11	vein	S	2	355	55							
13R-1, 92 cm (Piece 11)	104.32	GN	11	foliation		4	175	90							
13R-1, 76 cm (Piece 11)	104.16	GN	11	vein	S	3	352	55							
13R-1, 101 cm (Piece 12)	104.41	GN	11	vein	C	1	181	15							
13R-1, 104 cm (Piece 12)	104.44	GN	11	vein	S	2	181	50							
13R-1, 107 cm (Piece 12)	104.47	GN	11	vein	S	3	181	50							
13R-1, 108 cm (Piece 12)	104.48	GN	11	vein	S	4	180	45							
13R-1, 109 cm (Piece 12)	104.49	GN	11	vein	S	5	194	40							
13R-1, 127 cm (Piece 14)	104.67	GN	11	vein	S	1	358	84							
13R-1, 124 cm (Piece 14)	104.64	GN	11	vein	S	2	348	31							
13R-2, 6 cm (Piece 1)	104.84	GN	11	vein	S	1	155	30							
13R-2, 1 cm (Piece 1)	104.79	GN	11	vein	S	2	210	32							
13R-2, 31 cm (Piece 5)	105.09	GN	11	vein	S	1	200	50							
13R-2, 35 cm (Piece 5)	105.13	GN	11	vein	S	2	020	50							
13R-2, 43 cm (Piece 5)	105.21	GN	11	vein	S	3	176	53							
13R-2, 60 cm (Piece 7)	105.38	GN	11	vein	S	1	005	50	-068.0	52	J	073	50	257.0	84.0
13R-2, 62 cm (Piece 7)	105.40	GN	11	vein	S	2	200	10	-068.0	52	J	268	10	090.6	37.4
13R-2, 68 cm (Piece 7)	105.46	GN	11	vein	S	3	345	70	-068.0	52	J	053	70	233.3	71.3
13R-2, 74 cm (Piece 7)	105.52	GN	11	vein	S	5	302	43	-098.0	45	J	040	43	057.1	74.2
13R-2, 57 cm (Piece 7)	105.35	GN	11	foliation		8	065	90	-068.0	52	J	133	90	324.0	57.4
13R-2, 77 cm (Piece 7)	105.55	GN	11	vein	S	6	160	50	-098.0	45	J	258	50	224.0	12.8
13R-2, 80 cm (Piece 7)	105.58	GN	11	vein	S	7	170	5	-098.0	45	J	268	5	090.3	35.4
13R-2, 87 cm (Piece 8)	105.65	GN	11	vein	S	1	005	30							
13R-2, 97 cm (Piece 8)	105.75	GN	11	vein	S	2	030	45							
13R-2, 92 cm (Piece 8)	105.70	GN	11	foliation		3	020	76							
13R-2, 109 cm (Piece 9)	105.87	GN	11	vein	S	1	185	55							
13R-2, 109 cm (Piece 9)	105.87	GN	11	vein	S	3	090	31							
13R-2, 109 cm (Piece 9)	105.87	GN	11	foliation		4	115	90							
13R-2, 115 cm (Piece 10)	105.93	GN	11	vein	C	1	030	43	295.0	43	P	095	43	093.4	81.3
13R-2, 123 cm (Piece 10)	106.01	GN	11	vein	S	2	030	20	295.0	43	P	095	20	092.0	58.3
13R-2, 131 cm (Piece 10)	106.09	GN	11	vein	S	3	040	20	295.0	43	P	105	20	096.0	57.9
13R-2, 140 cm (Piece 10)	106.18	GN	11	vein	S	4	315	25	295.0	43	P	020	25	059.6	51.6
13R-2, 130 cm (Piece 10)	106.08	GN	11	vein	S	5	075	50	295.0	43	P	140	50	126.8	78.6
13R-2, 138 cm (Piece 10)	106.16	GN	11	vein	S	6	050	54	295.0	43	P	115	54	110.0	89.7
13R-2, 128 cm (Piece 10)	106.06	GN	11	vein	S	7	015	33	295.0	43	P	080	33	084.3	71.1
13R-2, 147 cm (Piece 10)	106.25	GN	11	vein	C	8	044	57	295.0	43	P	109	57	285.9	86.2
13R-3, 3 cm (Piece 1)	106.28	GN	11	vein	S	1	165	70	142.4	43.6	S	023	70	030.1	88.0
13R-3, 9 cm (Piece 1)	106.34	GN	11	vein	S	2	140	63	142.4	43.6	S	358	63	016.4	68.1
13R-3, 13 cm (Piece 1)	106.38	GN	11	vein	S	3	220	90	142.4	43.6	S	078	90	254.7	52.0
13R-3, 23 cm (Piece 1)	106.48	GN	11	vein	S	4	315	64	142.4	43.6	S	173	64	158.0	74.2
13R-3, 12 cm (Piece 1)	106.37	GN	11	foliation		5	165	85	142.4	43.6	S	023	85	201.3	79.8
13R-3, 30 cm (Piece 2)	106.55	GN	11	vein	S	1	105	47	028.0	43	C	077	47	080.5	84.7
13R-3, 32 cm (Piece 2)	106.57	GN	11	vein	S	2	120	32	028.0	43	C	092	32	091.1	70.4
13R-3, 28 cm (Piece 2)	106.53	GN	11	vein	S	3	227	66	028.0	43	C	199	66	178.7	59.8
13R-3, 27 cm (Piece 2)	106.52	GN	11	vein	S	4	170	33	028.0	43	C	142	33	118.7	63.3
13R-3, 42 cm (Piece 3)	106.67	GN	11	vein	S	1	181	70							
13R-3, 48 cm (Piece 3)	106.73	GN	11	vein	S	2	060	72							
13R-3, 47 cm (Piece 3)	106.72	GN	11	vein	A	3	230	72							
13R-3, 45 cm (Piece 3)	106.70	GN	11	vein	S	4	055	72							
13R-3, 85 cm (Piece 8)	107.10	GN	11	vein	S	1	170	65	-123.0	37	J	293	65	306.5	36.5
13R-3, 86 cm (Piece 8)	107.11	GN	11	vein	S	2	065	79	-123.0	37	J	188	79	180.8	76.4
13R-3, 105 cm (Piece 11)	107.30	GN	11	vein	S	1	098	45							
13R-3, 109 cm (Piece 11)	107.34	GN	11	vein	S	2	025	61							
13R-3, 105 cm (Piece 11)	107.30	GN	11	vein	S	3	035	68							
13R-3, 102 cm (Piece 11)	107.27	GN	11	vein	A	4	150	59							
13R-3, 111 cm (Piece 12)	107.36	GN	11	vein	S	1	006	65							
13R-3, 110 cm (Piece 12)	107.35	GN	11	vein	S	2	358	51							
13R-3, 118 cm (Piece 12)	107.43	GN	11	vein	S	3	329	62							
13R-3, 120 cm (Piece 13)	107.45	GN	11	vein	S	1	186	50							
13R-3, 127 cm (Piece 13)	107.52	GN	11	foliation		6	020	90							
13R-3, 131 cm (Piece 13)	107.56	GN	11	vein	S	3	190	65							
13R-3, 120 cm (Piece 13)	107.45	GN	11	vein	S	4	158	90							
13R-3, 127 cm (Piece 13)	107.52	GN	11	vein	S	5	145	55							

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
							str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
14R-1, 67 cm (Piece 11)	113.77	GN	11	vein	S	1	049	72	-157.0	68.9	S	206	72	173.5	59.4
14R-1, 72 cm (Piece 11)	113.82	GN	11	vein	S	2	010	71	-157.0	68.9	S	167	71	337.3	87.1
14R-1, 66 cm (Piece 11)	113.76	GN	11	vein	S	3	350	47	-157.0	68.9	S	147	47	307.9	86.4
15R-1, 46 cm (Piece 7)	119.26	GN	11	vein	S	1	136	69							
15R-1, 71 cm (Piece 12)	119.51	GN	11	ign contact		6	195	47	-132.0	45	S	327	47	012.7	39.0
15R-1, 69 cm (Piece 12)	119.49	GN	11	vein	S	3	037	86	-132.0	45	S	169	86	349.0	86.0
15R-1, 71 cm (Piece 12)	119.51	GN	11	vein	S	4	263	34	-132.0	45	S	035	34	059.6	64.9
15R-1, 76 cm (Piece 12)	119.56	GN	11	vein	A	5	252	66	-132.0	45	S	024	66	033.2	86.0
17R-1, 24 cm (Piece 6)	126.04	GN	11	vein	S	1	114	14							
17R-1, 25 cm (Piece 6)	126.05	GN	11	vein	S	2	121	90							
17R-1, 48 cm (Piece 10)	126.28	GN	11	vein	S	1	224	34	050.0	43	P	174	34	134.8	52.2
17R-1, 50 cm (Piece 10)	126.30	GN	11	vein	S	2	220	36	050.0	43	P	170	36	134.8	55.2
17R-1, 57 cm (Piece 10)	126.37	GN	11	vein	S	5	188	83	050.0	43	P	138	83	321.1	71.5
17R-1, 61 cm (Piece 10)	126.41	GN	11	vein	S	7	187	86	050.0	43	P	137	86	321.7	68.4
17R-1, 60 cm (Piece 10)	126.40	GN	11	vein	S	6	022	88	050.0	43	P	332	88	338.6	71.4
17R-1, 61 cm (Piece 10)	126.41	GN	11	vein	S	8	005	90	050.0	43	P	315	90	321.9	63.9
17R-1, 52 cm (Piece 10)	126.32	GN	11	vein	S	4	040	76	050.0	43	P	350	76	001.1	72.9
17R-1, 65 cm (Piece 10)	126.45	GN	11	foliation		10	260	84	050.0	43	P	210	84	200.7	67.0
17R-1, 53 cm (Piece 10)	126.33	GN	11	vein	S	3	198	84	050.0	43	P	148	84	330.5	75.8
17R-1, 65 cm (Piece 10)	126.45	GN	11	vein	S	9	173	82	050.0	43	P	123	82	306.2	66.0
17R-1, 90 cm (Piece 12)	126.70	GN	11	vein	S	1	173	90	012.0	41	C	161	90	344.5	78.9
17R-1, 88 cm (Piece 12)	126.68	GN	11	vein	S	2	059	80	012.0	41	C	047	80	225.5	73.3
17R-1, 88 cm (Piece 12)	126.68	GN	11	vein	S	3	338	31	012.0	41	C	326	31	033.0	30.6
17R-1, 87 cm (Piece 12)	126.67	GN	11	vein	S	4	150	78	012.0	41	C	138	78	318.2	77.2
17R-1, 95 cm (Piece 12)	126.75	GN	11	vein	S	5	195	48	012.0	41	C	183	48	153.8	55.8
17R-1, 121 cm (Piece 14)	127.01	GN	11	vein	S	1	192	31	-035.4	49.9	S	227	31	135.6	29.5
17R-1, 125 cm (Piece 14)	127.05	GN	11	vein	S	2	021	57	-035.4	49.9	S	056	57	241.8	83.6
17R-1, 114 cm (Piece 14)	126.94	GN	11	vein	S	3	080	59	-035.4	49.9	S	115	59	291.7	79.1
17R-1, 125 cm (Piece 14)	127.05	GN	11	foliation		4	345	85	-035.4	49.9	S	020	85	197.9	79.6
17R-1, 139 cm (Piece 16)	127.19	GN	11	vein	S	1	350	60							
17R-1, 142 cm (Piece 16)	127.22	GN	11	vein	S	2	002	80							
17R-1, 137 cm (Piece 16)	127.17	GN	11	vein	S	3	338	76							
17R-2, 2 cm (Piece 1)	127.26	GN	11	vein	S	1	160	66	126.6	51.2	S	033	66	219.8	85.3
17R-2, 22 cm (Piece 1)	127.46	GN	11	vein	S	2	308	90	126.6	51.2	S	181	90	180.7	89.3
17R-2, 3 cm (Piece 1)	127.27	GN	11	vein	S	3	010	63	126.6	51.2	S	243	63	208.1	27.3
17R-2, 10 cm (Piece 1)	127.34	GN	11	vein	A	4	293	88	126.6	51.2	S	166	88	348.8	81.3
17R-2, 10 cm (Piece 1)	127.34	GN	11	vein	S	5	305	89	126.6	51.2	S	178	89	357.9	89.2
17R-2, 11 cm (Piece 1)	127.35	GN	11	vein	S	6	010	74	126.6	51.2	S	243	74	221.7	35.7
17R-2, 12 cm (Piece 1)	127.36	GN	11	foliation		7	325	72	126.6	51.2	S	198	72	178.6	64.8
17R-2, 44 cm (Piece 5)	127.68	GN	11	vein	S	1	196	61							
17R-2, 49 cm (Piece 6)	127.73	GN	11	vein	S	1	178	86							
17R-2, 49 cm (Piece 6)	127.73	GN	11	vein	S	2	172	88							
17R-2, 49 cm (Piece 6)	127.73	GN	11	vein	S	3	186	59							
17R-2, 64 cm (Piece 7)	127.88	GN	11	vein	A	1	010	75							
17R-2, 62 cm (Piece 7)	127.86	GN	11	vein	S	2	296	22							
17R-2, 66 cm (Piece 7)	127.90	GN	11	vein	S	3	208	90							
17R-2, 60 cm (Piece 7)	127.84	GN	11	vein	S	6	308	32							
17R-2, 88 cm (Piece 8)	128.12	GN	11	vein	S	1	270	42							
17R-2, 87 cm (Piece 8)	128.11	GN	11	vein	S	2	159	90							
17R-2, 72 cm (Piece 8)	127.96	GN	11	vein	S	3	029	89							
17R-2, 77 cm (Piece 8)	128.01	GN	11	vein	S	4	011	61							
17R-2, 80 cm (Piece 8)	128.04	GN	11	vein	S	5	355	60							
17R-2, 109 cm (Piece 12)	128.33	GN	11	vein	S	1	175	85	016.0	42	C	159	85	340.1	81.5
17R-2, 112 cm (Piece 12)	128.36	GN	11	vein	S	2	039	70	016.0	42	C	023	70	030.0	87.2
17R-2, 114 cm (Piece 12)	128.38	GN	11	vein	S	3	127	82	016.0	42	C	111	82	293.4	63.2
17R-2, 106 cm (Piece 12)	128.30	GN	11	vein	S	4	185	77	016.0	42	C	169	77	163.4	86.2
18R-1, 65 cm (Piece 10)	131.55	GN	11	vein	S	1	189	84	093.8	48.9	S	095	84	276.3	51.9
18R-1, 68 cm (Piece 10)	131.58	GN	11	vein	S	2	221	84	093.8	48.9	S	127	84	313.0	61.3
18R-1, 65 cm (Piece 10)	131.55	GN	11	vein	S	3	207	73	093.8	48.9	S	113	73	294.1	66.1
18R-1, 79 cm (Piece 10)	131.69	GN	11	vein	S	4	031	80	093.8	48.9	S	297	80	311.4	42.5
18R-1, 72 cm (Piece 10)	131.62	GN	11	vein	S	6	009	78	093.8	48.9	S	275	78	278.8	34.0
18R-1, 80 cm (Piece 10)	131.70	GN	11	foliation		7	075	89	093.8	48.9	S	341	89	346.9	76.1
18R-1, 125 cm (Piece 14)	132.15	GN	11	vein	S	1	047	72							
18R-1, 127 cm (Piece 14)	132.17	GN	11	vein	S	2	198	76							
18R-1, 132 cm (Piece 14)	132.22	GN	11	vein	S	3	024	24							
18R-1, 134 cm (Piece 14)	132.24	GN	11	vein	S	4	175	68							
18R-1, 132 cm (Piece 14)	132.22	GN	11	foliation		5	150	86							
18R-2, 0 cm (Piece 1)	132.33	GN	11	vein	S	1	018	56	065.0	44	P	313	56	348.6	35.2
18R-2, 5 cm (Piece 1)	132.38	GN	11	vein	S	2	107	80	065.0	44	P	042	80	220.2	73.5
18R-2, 9 cm (Piece 1)	132.42	GN	11	vein	S	3	200	66	065.0	44	P	135	66	310.5	84.5
18R-2, 25 cm (Piece 4)	132.58	GN	11	ign contact		1	058	34							
18R-2, 29 cm (Piece 4)	132.62	GN	11	ign contact		2	058	34							
18R-2, 30 cm (Piece 4)	132.63	GN	11	vein	S	3	175	80							
18R-2, 23 cm (Piece 4)	132.56	GN	11	foliation		4	045	72							
18R-2, 76 cm (Piece 11)	133.09	GN	11	vein	C	1	169	27							
18R-2, 106 cm (Piece 16)	133.39	GN	11	vein	C	1	146	40	017.0	37	J	129	40	115.9	67.7
18R-2, 107 cm (Piece 16)	133.40	GN	11	vein	C	2	221	19	017.0	37	J	204	19	127.0	29.6
18R-2, 104 cm (Piece 16)	133.37	GN	11	vein	C	3	170	33	017.0	37	J	153	33	126.4	54.9
18R-2, 110 cm (Piece 16)	133.43	GN	11	vein	S	4	054	82	017.0	37	J	037	82	216.1	78.4
19R-1, 30 cm (Piece 7)	140.80	GN	11	vein	C	1	189	86	Unstable		J				
19R-1, 32 cm (Piece 7)	140.82	GN	11	vein	C	2	188	73	Unstable		J				
19R-1, 37 cm (Piece 7)	140.87	GN	11	vein	S	4	215	41	Unstable		J				
19R-1, 34 cm (Piece 7)	140.84	GN	11	foliation		5	090	90	Unstable		J				
19R-1, 77 cm (Piece 12)	141.27	B	12	dike marg	</										

Table 1 (continued).

Sample number	Depth (mbsf)	Lith.	Unit	Feature type	Vein fill	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
						Feat. #	str (°)	dip (°)	dec (°)		str (°)	dip (°)	str (°)	dip (°)
19R-1, 91 cm (Piece 13)	141.41	B	12	vein	S	2	221	32						
20R-1, 20 cm (Piece 4)	145.80	GN	13	vein	S	2	180	75						
20R-1, 53 cm (Piece 10)	146.13	GN	13	vein	S	1	027	74	-049.4	44.1	S	076	74	255.4
20R-1, 57 cm (Piece 10)	146.17	GN	13	vein	S	2	100	55	-049.4	44.1	S	149	55	135.5
20R-1, 53 cm (Piece 10)	146.13	GN	13	vein	S	3	306	64	-049.4	44.1	S	355	64	013.7
20R-1, 55 cm (Piece 10)	146.15	GN	13	vein	S	4	008	65	-049.4	44.1	S	057	65	240.0
20R-1, 88 cm (Piece 15)	146.48	GN	13	vein	S	1	005	63	056.0	32	J	309	63	324.1
20R-1, 92 cm (Piece 15)	146.52	GN	13	vein	S	2	013	63	056.0	32	J	317	63	333.1
20R-1, 121 cm (Piece 19)	146.81	GN	13	vein	S	1	341	80						
20R-1, 115 cm (Piece 19)	146.75	GN	13	vein	S	2	188	87						
20R-1, 133 cm (Piece 21)	146.93	GN	13	vein	S	1	026	76						
20R-1, 129 cm (Piece 21)	146.89	GN	13	vein	S	2	034	73						
20R-2, 0 cm (Piece 1)	147.03	GN	13	vein	S	1	167	75						
20R-2, 16 cm (Piece 2)	147.19	GN	13	vein	S	1	149	79						
20R-2, 33 cm (Piece 4)	147.36	GN	13	vein	S	1	185	32						
20R-2, 35 cm (Piece 4)	147.38	GN	13	vein	S	2	205	36						
20R-2, 38 cm (Piece 4)	147.41	GN	13	vein	S	3	347	85						
20R-2, 38 cm (Piece 4)	147.41	GN	13	vein	S	4	170	90						
20R-3, 50 cm (Piece 9)	147.94	GN	13	vein	S	1	190	74	Unstable		S			
20R-3, 55 cm (Piece 9)	147.99	GN	13	vein	S	2	185	52	Unstable		S			
20R-3, 63 cm (Piece 10)	148.07	GN	13	vein	S	1	179	86						
20R-3, 64 cm (Piece 10)	148.08	GN	13	vein	A	2	175	90						
20R-3, 79 cm (Piece 12)	148.23	GN	13	vein	S	3	352	68						
20R-3, 80 cm (Piece 12)	148.24	GN	13	vein	S	1	270	5						
20R-3, 104 cm (Piece 15)	148.48	GN	13	vein	S	1	177	65						
20R-3, 119 cm (Piece 17)	148.63	GN	13	vein	S	1	142	84	049.0	-31	C	093	84	094.0
20R-3, 121 cm (Piece 17)	148.65	GN	13	vein	S	2	015	82	049.0	-31	C	326	82	147.1
20R-3, 125 cm (Piece 17)	148.69	GN	13	vein	S	3	331	68	049.0	-31	C	282	68	101.4
20R-3, 124 cm (Piece 17)	148.68	GN	13	vein	S	4	023	76	049.0	-31	C	334	76	150.8
20R-3, 128 cm (Piece 17)	148.72	GN	13	vein	S	5	187	70	049.0	-31	C	138	70	49.9

Table 2. Structural data from Site 895.

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
<b>Hole 895B-</b>													
IR-1, 60 cm (Piece 9)	0.60	HZ	foliation	3	300	81	-063.4	39.3	S (+C)	003.4	81	007.9	84.5
IR-1, 65 cm (Piece 9)	0.65	HZ	vein	1	198	66	-063.4	39.3	S	261.4	66	255.0	31.9
IR-1, 79 cm (Piece 9)	0.79	HZ	vein	2	173	65	-063.4	39.3	S	236.4	65	217.2	39.0
<b>Hole 895C-</b>													
IR-1, 32 cm (Piece 5)	0.32	HZ	foliation	1	005	60							
IR-1, 61 cm (Piece 9)	0.61	HZ	foliation	1	305	25							
IR-1, 109 cm (Piece 17)	1.09	HZ	foliation	1	180	65							
IR-1, 119 cm (Piece 18)	1.19	HZ	foliation	1	140	62							
3R-1, 138 cm (Piece 22)	19.68	HZ	foliation	1	000	90	-012.8	45.7	S	012.8	90	189.7	81.6
3R-2, 14 cm (Piece 2)	19.89	HZ	vein	1	192	41							
3R-2, 16 cm (Piece 2)	19.91	HZ	foliation	2	345	56							
4R-1, 20 cm (Piece 4)	28.10	DN	vein	1	177	85							
4R-2, 54 cm (Piece 1)	29.52	IMP DN	vein	1	012	22							
4R-2, 49 cm (Piece 1)	29.47	IMP DN	vein	2	184	40							
4R-2, 28 cm (Piece 1)	29.26	IMP DN	vein	3	168	41							
4R-2, 34 cm (Piece 1)	29.32	IMP DN	vein	4	161	67							
4R-2, 16 cm (Piece 1)	29.14	IMP DN	vein	5	290	77							
4R-2, 94 cm (Piece 6)	29.92	IMP DN	vein	1	044	39	056.0	44.0	C	348.0	39	032.5	46.9
4R-2, 98 cm (Piece 6)	29.96	IMP DN	vein	2	020	33	056.0	44.0	C	324.0	33	032.9	31.7
4R-2, 101 cm (Piece 6)	29.99	IMP DN	vein	3	024	31	056.0	44.0	C	328.0	31	037.3	33.3
4R-3, 41 cm (Piece 4)	30.89	HZ	vein	1	179	85							
4R-3, 41 cm (Piece 4)	30.89	HZ	foliation	2	020	90							
<b>Hole 895D-</b>													
2R-1, 47 cm (Piece 6)	16.47	HZ	vein	1	188	12	-138.7	37.8	S	326.7	12	068.5	28.2
2R-1, 55 cm (Piece 6)	16.55	HZ	foliation	2	080	87	-138.7	37.8	S	218.7	87	212.4	67.3
2R-2, 6 cm (Piece 1)	17.48	HZ	vein	1	167	34							
2R-2, 7 cm (Piece 1)	17.49	HZ	vein	2	342	76							
2R-2, 15 cm (Piece 1)	17.57	HZ	vein	3	171	35							
2R-2, 11 cm (Piece 1)	17.53	HZ	foliation	4	190	52							
2R-2, 6 cm (Piece 1)	17.48	HZ	ign contact	5	190	70							
2R-2, 42 cm (Piece 3)	17.84	HZ	foliation	1	235	72	109.1	-34.2	S (+C)	125.9	72	143.9	43.7
2R-2, 66 cm (Piece 5)	18.08	HZ	foliation	1	050	70							
2R-2, 80 cm (Piece 6)	18.22	HZ	foliation	1	045	72	019.0	-10.0	P	026.0	72	020.8	66.2
3R-1, 35 cm (Piece 6)	26.35	HZ	vein	1	174	67	116.3	-23.0	S	057.7	67	046.0	45.0
3R-1, 75 cm (Piece 9)	26.75	HZ	vein	1	000	90							
3R-1, 73 cm (Piece 9)	26.73	HZ	vein netwk	2	010	90							
3R-1, 75 cm (Piece 9)	26.75	HZ	foliation	3	334	86							
3R-1, 92 cm (Piece 11)	26.92	HZ	vein	1	080	72							
3R-1, 112 cm (Piece 13)	27.12	HZ	vein	1	170	18							
3R-1, 113 cm (Piece 13)	27.13	HZ	vein	3	309	43							
3R-1, 128 cm (Piece 15)	27.28	HZ	vein	1	351	80							
3R-1, 134 cm (Piece 15)	27.34	HZ	vein	2	023	19							
3R-1, 125 cm (Piece 15)	27.25	HZ	vein	3	352	85							
3R-1, 137 cm (Piece 15)	27.37	HZ	vein	5	356	32							
4R-2, 4 cm (Piece 1)	35.63	HZ	vein	1	185	10							
4R-2, 7 cm (Piece 1)	35.66	HZ	foliation	2	330	68							

Table 2 (continued).

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
4R-2, 23 cm (Piece 4)	35.82	HZ	foliation	1	265	88							
4R-2, 28 cm (Piece 4)	35.87	HZ	vein	2	296	22							
4R-2, 41 cm (Piece 6)	36.00	HZ	vein	1	148	34							
4R-2, 45 cm (Piece 6)	36.04	HZ	vein	2	320	53							
4R-2, 38 cm (Piece 6)	35.97	HZ	vein	3	000	0							
4R-2, 42 cm (Piece 6)	36.01	HZ	foliation	4	175	80							
4R-2, 103 cm (Piece 15)	36.62	HZ	vein	2	180	5							
4R-2, 123 cm (Piece 18)	36.82	HZ	vein netwk	1	010	75							
4R-2, 132 cm (Piece 18)	36.91	HZ	foliation	2	090	90							
4R-3, 5 cm (Piece 1)	37.04	HZ	vein	1	350	70	021.0	-9.0	P	329.0	70	325.6	77.4
4R-3, 18 cm (Piece 2)	37.17	IMP DN	vein	1	200	57	053.0	-11.0	C	147.0	57	157.4	49.7
4R-3, 51 cm (Piece 6)	37.50	HZ	vein	1	350	50							
4R-3, 50 cm (Piece 6)	37.49	HZ	vein	2	200	37							
4R-3, 95 cm (Piece 11)	37.94	HZ	foliation	1	180	70							
4R-3, 109 cm (Piece 12)	38.08	HZ	foliation	1	285	73	048.8	38.3	S	236.2	73	223.2	46.8
4R-3, 121 cm (Piece 13)	38.20	HZ	vein	1	180	15							
4R-3, 127 cm (Piece 14)	38.26	HZ	vein	1	299	44							
4R-3, 128 cm (Piece 14)	38.27	HZ	vein	2	299	44							
4R-3, 135 cm (Piece 15)	38.34	HZ	vein	1	000	30							
4R-3, 136 cm (Piece 15)	38.35	HZ	vein	2	000	30							
4R-4, 14 cm (Piece 2)	38.59	HZ	vein	1	000	10							
4R-4, 18 cm (Piece 2)	38.63	HZ	foliation	2	295	74							
4R-4, 32 cm (Piece 4)	38.77	HZ	vein	1	175	65							
4R-4, 33 cm (Piece 4)	38.78	HZ	vein	3	270	5							
4R-4, 43 cm (Piece 5)	38.88	HZ	vein	1	355	75							
4R-4, 45 cm (Piece 5)	38.90	HZ	vein	2	170	55							
4R-4, 45 cm (Piece 5)	38.90	HZ	vein	3	253	31							
4R-4, 96 cm (Piece 14)	39.41	HZ	vein	1	000	65	265.0	41.0	P	095.0	65	274.8	69.6
4R-4, 99 cm (Piece 14)	39.44	HZ	vein	2	026	22	265.0	41.0	P	121.0	22	102.3	65.2
4R-5, 3 cm (Piece 1)	39.76	HZ	vein netwk	1	125	45	023.3	24.1	S (+C)	101.7	45	099.2	64.2
4R-5, 10 cm (Piece 1)	39.83	HZ	foliation	2	190	40	023.3	24.1	S (+C)	166.7	40	147.7	47.7
5R-1, 45 cm (Piece 8)	43.75	HZ	vein	1	171	66	-088.6	-6.4	S	259.6	66	260.2	76.8
5R-1, 49 cm (Piece 8)	43.79	HZ	vein	2	160	56	-088.6	-6.4	S	248.6	56	250.7	66.3
5R-1, 48 cm (Piece 8)	43.78	HZ	foliation	3	310	42	-088.6	-6.4	S	038.6	42	027.1	36.0
5R-1, 123 cm (Piece 18)	44.53	HZ	vein	1	005	41							
5R-1, 115 cm (Piece 18)	44.45	HZ	vein	2	084	51							
5R-1, 120 cm (Piece 18)	44.50	HZ	vein	3	249	44							
5R-1, 122 cm (Piece 18)	44.52	HZ	foliation	4	240	67							
5R-2, 5 cm (Piece 2)	44.79	HZ	vein	1	349	30							
5R-2, 6 cm (Piece 2)	44.80	HZ	vein	2	341	33							
5R-2, 10 cm (Piece 2)	44.84	HZ	vein	3	043	27							
5R-2, 23 cm (Piece 4)	44.97	HZ	vein	1	189	85							
5R-2, 22 cm (Piece 4)	44.96	HZ	vein	2	358	86							
5R-2, 23 cm (Piece 4)	44.97	HZ	vein	3	001	82							
5R-2, 50 cm (Piece 7)	45.24	HZ	vein	1	199	81							
5R-2, 51 cm (Piece 7)	45.25	HZ	vein	2	197	56							
5R-2, 111 cm (Piece 14)	45.85	HZ	vein	1	191	79	162.7	-3.1	S	028.3	79	026.7	75.4
5R-2, 103 cm (Piece 14)	45.77	HZ	foliation	2	000	58	162.7	-3.1	S	197.3	58	201.6	60.6
6R-1, 27 cm (Piece 5)	55.27	HZ	vein	1	340	62							
6R-1, 65 cm (Piece 10)	55.65	HZ	vein	1	042	13							
6R-1, 74 cm (Piece 11)	55.74	HZ	vein	1	186	21	176.0	61.0	C	010.0	21	066.5	62.3
7R-1, 18 cm (Piece 4)	64.78	ROD G	foliation	1	280	45							
7R-1, 61 cm (Piece 10)	65.21	IMP DN	vein	1	190	40	241.0	-15.0	P	309.0	40	299.1	56.4
7R-1, 132 cm (Piece 20)	65.92	HZ	foliation	1	280	78	036.7	59.4	S	243.3	78	217.2	33.5
7R-2, 13 cm (Piece 2)	66.20	HZ	foliation	1	095	87	274.0	56.0	C	181.0	87	178.3	87.3
7R-2, 42 cm (Piece 6)	66.49	HZ	vein netwk	1	000	0							
7R-2, 67 cm (Piece 9)	66.74	TROCT	vein	1	170	80							
7R-2, 97 cm (Piece 12)	67.04	HZ	foliation	1	305	72	118.2	50.0	S	186.8	72	171.5	72.7
7R-2, 112 cm (Piece 13)	67.19	HZ	foliation	1	040	86	184.0	54.0	P	216.0	86	202.2	60.6
7R-2, 132 cm (Piece 16)	67.39	HZ	foliation	1	145	73							
7R-3, 12 cm (Piece 2)	67.65	HZ	foliation	1	050	87							
8R-1, 39 cm (Piece 6)	74.69	HZ	foliation	1	150	81							
8R-1, 44 cm (Piece 7)	74.74	HZ	vein	1	011	25	-040.5	49.1	S	051.5	25	073.2	65.5
8R-1, 48 cm (Piece 7)	74.78	HZ	foliation	2	200	37	-040.5	49.1	S	240.5	37	147.9	20.5
8R-1, 71 cm (Piece 10)	75.01	TROCT	igne contact	1	064	22							
8R-2, 26 cm (Piece 3)	75.94	G	foln in G	1	010	70							
9R-1, 78 cm (Piece 12)	84.78	HZ	vein netwk	1	025	32	094.0	16.0	P	291.0	32	300.9	21.7
9R-1, 117 cm (Piece 18)	85.17	DN	vein	1	355	45	052.1	-58.9	S	302.9	45	113.2	77.5
9R-1, 115 cm (Piece 18)	85.15	DN	vein	2	203	42	052.1	-58.9	S	150.9	42	221.6	51.5
9R-1, 125 cm (Piece 19)	85.25	DN	vein	1	028	53	223.0	35.0	C	165.0	53	148.0	65.5
9R-1, 128 cm (Piece 19)	85.28	DN	vein netwk	2	305	17	223.0	35.0	C	082.0	17	086.8	47.3
9R-1, 126 cm (Piece 19)	85.26	DN	vein	3	267	47	223.0	35.0	C	044.0	47	056.1	70.7
9R-1, 147 cm (Piece 22)	85.47	DN	vein	1	358	90							
9R-1, 147 cm (Piece 22)	85.47	DN	vein netwk	2	208	74							
9R-1, 144 cm (Piece 22)	85.44	DN	vein	3	060	28							
10W-1, 75 cm (Piece 9)	94.45	TROCT	dykelet	1	000	80							
<b>Hole 895E-</b>													
IR-1, 20 cm (Piece 3)	0.20	ROD G	vein	1	039	26							
IR-1, 68 cm (Piece 7)	0.68	ROD G	vein	1	205	44							
IR-1, 87 cm (Piece 9)	0.87	ROD G	vein	1	199	15							
IR-1, 107 cm (Piece 12)	1.07	ROD G	vein	1	092	48							
IR-1, 137 cm (Piece 16)	1.37	ROD G	vein	1	150	19							
IR-2, 25 cm (Piece 5)	1.69	DN	vein	1	178	10							
IR-2, 70 cm (Piece 15)	2.14	DN	vein	1	344	44	-073.5	46.7	S	057.5	44	067.9	81.9
IR-2, 73 cm (Piece 15)	2.17	DN	vein	2	316	40	-073.5	46.7	S	029.5	40	053.2	69.1
IR-2, 78 cm (Piece 15)	2.22	DN	vein	3	085	29	-073.5	46.7	S	158.5	29	122.1	58.0
IR-2, 82 cm (Piece 15)	2.26	DN	vein	4	128	18	-073.5	46.7	S	201.5	18	117.4	38.6
IR-2, 98 cm (Piece 18)	2.42	DN	vein	1	120	23	318.0	43.0	P+C	162.0	23	119.1	49.7

Table 2 (continued).

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
IR-2, 107 cm (Piece 18)	2.51	DN	vein	2	275	86	318.0	43.0	P+C	317.0	86	326.1	61.5
IR-2, 109 cm (Piece 18)	2.53	DN	vein	3	270	90	318.0	43.0	P+C	312.0	90	319.0	62.5
IR-2, 107 cm (Piece 18)	2.51	DN	vein	4	071	52	318.0	43.0	P+C	113.0	52	107.9	88.2
IR-2, 114 cm (Piece 18)	2.58	DN	vein	5	069	52	318.0	43.0	P+C	111.0	52	106.4	88.5
IR-2, 116 cm (Piece 18)	2.60	DN	vein	6	270	90	318.0	43.0	P+C	312.0	90	319.0	62.5
IR-2, 119 cm (Piece 18)	2.63	DN	vein	7	125	46	318.0	43.0	P+C	167.0	46	141.5	63.6
IR-2, 130 cm (Piece 18)	2.74	DN	vein	8	270	90	318.0	43.0	P+C	312.0	90	319.0	62.5
IR-2, 132 cm (Piece 18)	2.76	DN	vein	9	335	65	318.0	43.0	P+C	017.0	65	028.5	80.4
IR-2, 102 cm (Piece 18)	2.46	DN	vein	10	304	42	318.0	43.0	P+C	346.0	42	027.3	46.9
IR-3, 10 cm (Piece 1)	2.96	DN	foliation	1	283	39							
IR-3, 24 cm (Piece 2)	3.10	DN	vein	1	005	45	317.0	31.0	C	048.0	45	058.9	66.4
IR-3, 28 cm (Piece 2)	3.14	DN	vein netwk	2	141	13	317.0	31.0	C	184.0	13	118.2	28.4
IR-3, 23 cm (Piece 2)	3.09	DN/HZ	ign contact	3	040	57	317.0	31.0	C	083.0	57	084.1	83.2
IR-3, 60 cm (Piece 4)	3.46	DN	vein netwk	1	045	3	151.4	37.8	S	253.6	3	091.7	30.3
IR-3, 50 cm (Piece 4)	3.36	DN	foliation	3	065	41	151.4	37.8	S	273.6	41	287.0	8.1
IR-3, 70 cm (Piece 4)	3.56	DN	vein	2	000	90	151.4	37.8	S	208.6	90	204.5	74.8
IR-3, 99 cm (Piece 5)	3.85	HZ	vein netwk	1	218	31	253.8	35.0	J	324.2	31	022.6	26.9
IR-3, 125 cm (Piece 9)	4.11	TROCT	foliation	1	000	40							
IR-3, 135 cm (Piece 10)	4.21	TROCT	foliation	1	064	11							
IR-4, 6 cm (Piece 1)	4.42	TROCT	foliation	1	000	25							
IR-4, 16 cm (Piece 2)	4.52	TROCT	vein	1	000	25							
IR-4, 17 cm (Piece 2)	4.53	TROCT	foliation	2	180	20							
IR-4, 24 cm (Piece 3)	4.60	DN	vein netwk	1	277	15							
IR-4, 24 cm (Piece 3)	4.60	DN	vein	2	017	51							
IR-4, 39 cm (Piece 4)	4.75	DN	vein	1	015	62							
IR-4, 36 cm (Piece 4)	4.72	DN	vein netwk	2	315	7							
2R-1, 86 cm (Piece 13)	20.46	ROD G	vein	1	026	22							
2R-1, 93 cm (Piece 14)	20.53	ROD G	vein	1	180	20							
2R-1, 94 cm (Piece 14)	20.54	ROD G	vein	2	315	50							
2R-1, 106 cm (Piece 15)	20.66	ROD G	vein	1	000	10							
2R-2, 21 cm (Piece 2)	21.17	HZ	vein netwk	1	315	33	099.7	9.7	J	215.3	33	208.3	30.3
2R-2, 59 cm (Piece 9)	21.55	DN	vein	1	180	50	026.0	58.0	C	154.0	50	133.9	83.5
2R-2, 63 cm (Piece 9)	21.59	DN	vein netwk	2	135	7	026.0	58.0	C	109.0	7	092.6	60.0
2R-2, 106 cm (Piece 15)	22.02	DN	vein	1	195	80	000.6	58.7	S	194.4	80	180.2	72.5
2R-2, 106 cm (Piece 15)	22.02	DN	foliation	2	235	51	000.6	58.7	S	234.4	51	162.9	28.3
3R-1, 8 cm (Piece 2)	29.68	DN	vein netwk	1	284	65							
3R-1, 10 cm (Piece 2)	29.70	DN	vein	2	186	85							
3R-1, 8 cm (Piece 2)	29.68	DN	vein	3	336	90							
3R-1, 50 cm (Piece 8)	30.10	DN	vein	1	151	24							
3R-1, 47 cm (Piece 8)	30.07	DN	vein	2	040	90							
3R-1, 43 cm (Piece 8)	30.03	DN	vein	3	250	27							
3R-1, 62 cm (Piece 10)	30.22	DN	vein	1	060	79							
3R-1, 59 cm (Piece 10)	30.19	DN	vein	2	015	38							
3R-1, 56 cm (Piece 10)	30.16	DN	vein	3	354	64							
3R-1, 60 cm (Piece 10)	30.20	DN	foliation	4	239	12							
3R-1, 73 cm (Piece 12)	30.33	DN	vein	1	016	78							
3R-1, 72 cm (Piece 12)	30.32	DN	vein	2	192	82							
3R-1, 80 cm (Piece 12)	30.40	DN	foliation	3	135	21							
3R-1, 84 cm (Piece 13)	30.44	HZ	vein	1	315	15							
3R-1, 86 cm (Piece 13)	30.46	HZ	foliation	2	324	24							
3R-2, 2 cm (Piece 1)	30.99	DN	vein	1	177	67							
3R-2, 10 cm (Piece 1)	31.07	DN	vein	2	173	63							
3R-2, 7 cm (Piece 1)	31.04	DN	vein netwk	3	106	77							
3R-2, 22 cm (Piece 3)	31.19	DN	vein netwk	1	302	64	171.0	46.0	C	131.0	64	306.4	83.1
3R-2, 26 cm (Piece 3)	31.23	DN	vein	2	256	4	171.0	46.0	C	085.0	4	089.5	45.4
3R-2, 25 cm (Piece 3)	31.22	DN	foliation	4	108	16	171.0	46.0	C	297.0	16	074.5	27.9
3R-2, 30 cm (Piece 3)	31.27	DN	vein	3	250	77	171.0	46.0	C	079.0	77	257.9	62.4
3R-2, 42 cm (Piece 4)	31.39	DN	vein	1	199	62							
3R-2, 44 cm (Piece 4)	31.41	DN	vein	2	205	90							
3R-2, 38 cm (Piece 4)	31.35	DN	vein	3	177	45							
3R-2, 40 cm (Piece 4)	31.37	DN	vein netwk	4	294	47							
3R-2, 51 cm (Piece 5)	31.48	DN	vein	1	050	64	151.0	36.8	S	259.0	64	251.5	32.7
3R-2, 49 cm (Piece 5)	31.46	DN	vein	2	045	68	151.0	36.8	S	254.0	68	245.3	37.6
3R-2, 54 cm (Piece 5)	31.51	DN	vein netwk	3	311	44	151.0	36.8	S	160.0	44	138.2	61.2
3R-2, 60 cm (Piece 5)	31.57	DN	vein	4	000	90	151.0	36.8	S	209.0	90	205.1	75.0
3R-2, 58 cm (Piece 5)	31.55	DN	vein netwk	5	312	16	151.0	36.8	S	161.0	16	113.9	40.0
3R-2, 61 cm (Piece 5)	31.58	DN	vein	6	165	63	151.0	36.8	S	014.0	63	026.1	74.4
3R-2, 66 cm (Piece 5)	31.63	DN	vein	7	171	54	151.0	36.8	S	020.0	54	035.8	69.5
3R-2, 65 cm (Piece 5)	31.62	DN	foliation	9	104	21	151.0	36.8	S	313.0	21	048.4	21.6
3R-2, 137 cm (Piece 14)	32.34	DN	vein	1	355	90							
3R-2, 136 cm (Piece 14)	32.33	DN	vein	2	184	58							
3R-2, 135 cm (Piece 14)	32.32	DN	vein netwk	3	025	16							
3R-3, 24 cm (Piece 3)	32.71	DN	vein	1	161	81	-108.0	44.6	S	269.0	81	268.5	41.0
3R-3, 37 cm (Piece 3)	32.84	DN	vein	2	133	58	-108.0	44.6	S	241.0	58	209.0	28.0
3R-3, 30 cm (Piece 3)	32.77	DN	vein netwk	3	344	31	-108.0	44.6	S	092.0	31	091.1	71.0
3R-3, 36 cm (Piece 3)	32.83	DN	foliation	4	205	58	-108.0	44.6	S	313.0	58	346.9	36.4
3R-3, 42 cm (Piece 4)	32.89	DN	vein	1	172	70							
3R-3, 44 cm (Piece 4)	32.91	DN	vein netwk	2	042	29							
3R-3, 51 cm (Piece 5)	32.98	DN	vein	1	199	76							
3R-3, 56 cm (Piece 5)	33.03	DN	vein netwk	2	062	12							
3R-3, 58 cm (Piece 5)	33.05	DN	foliation	3	061	44							
3R-3, 75 cm (Piece 6)	33.22	DN	vein	1	359	75							
4R-1, 45 cm (Piece 8)	39.95	DN	vein netwk	1	039	27							
4R-1, 43 cm (Piece 8)	39.93	DN	vein	2	160	84							
4R-1, 46 cm (Piece 8)	40.36	DN	vein	1	184	69	-046.5	30.1	S (+P)	230.5	69	219.9	50.7
4R-1, 86 cm (Piece 15)	40.38	DN	vein netwk	2	065	23	-046.5	30.1	S (+P)	111.5	23	101.2	47.6
4R-1, 88 cm (Piece 15)	40.38	DN	vein netwk	3	057	21	-046.5	30.1	S (+P)	103.5	21	096.7	46.2
4R-1, 96 cm (Piece 15)	40.46	DN	vein netwk	4	080	60	-046.5	30.1	S (+P)	126.5	60	121.4	81.3

Table 2 (continued).

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.			Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)	dec (°)	inc (°)			str (°)	dip (°)	str (°)	dip (°)
4R-1, 119 cm (Piece 17)	40.69	DN	vein netwk	1	199	26				J	199.2	65	190.2	60.4
4R-1, 121 cm (Piece 17)	40.71	DN	vein netwk	2	240	25								
4R-2, 23 cm (Piece 2)	41.17	DN	vein	1	235	65	035.8	22.5	J					
4R-2, 18 cm (Piece 2)	41.12	DN	foliation	2	017	56	035.8	22.5	J	341.2	56	354.0	52.1	
4R-2, 55 cm (Piece 4)	41.49	DN	vein	2	205	76	068.0	40.0	C	137.0	76	316.2	79.3	
4R-2, 78 cm (Piece 8)	41.72	DN	vein	1	007	70								
4R-2, 80 cm (Piece 8)	41.74	IMP DN	plag impr	2	253	14								
4R-2, 97 cm (Piece 10)	41.91	DN	vein	1	060	32								
4R-2, 123 cm (Piece 14)	42.17	DN	vein	1	019	64								
4R-2, 127 cm (Piece 14)	42.21	DN	vein	2	163	44								
4R-2, 126 cm (Piece 14)	42.20	DN	vein netwk	3	255	44								
5R-1, 88 cm (Piece 16)	49.78	DN	vein	1	163	86								
5R-1, 105 cm (Piece 18)	49.95	DN	vein	1	002	35	251.5	32.6	J	110.5	35	103.2	61.9	
5R-1, 104 cm (Piece 18)	49.94	DN	vein	3	038	70	251.5	32.6	J	146.5	70	141.7	86.6	
5R-1, 148 cm (Piece 21)	50.38	DN	vein	1	000	47	-143.4	44.6	S	143.4	47	127.2	76.0	
5R-1, 132 cm (Piece 21)	50.22	DN	vein	2	315	65	-143.4	44.6	S	098.4	65	277.9	75.4	
5R-1, 142 cm (Piece 21)	50.32	DN	vein	3	024	69	-143.4	44.6	S	167.4	69	157.0	81.7	
5R-1, 141 cm (Piece 21)	50.31	DN	vein netwk	4	275	40	-143.4	44.6	S	058.4	40	069.7	76.4	
5R-1, 133 cm (Piece 21)	50.23	DN	vein	5	356	82	-143.4	44.6	S	139.4	82	322.2	72.1	
5R-1, 140 cm (Piece 21)	50.30	DN	foliation	6	218	50	-143.4	44.6	S	001.4	50	029.2	61.3	
5R-2, 45 cm (Piece 9)	50.85	DN	vein	1	018	66	130.0	38.0	P	248.0	66	234.7	36.3	
5R-2, 43 cm (Piece 9)	50.83	DN	vein	2	016	71	130.0	38.0	P	246.0	71	234.6	41.6	
5R-2, 52 cm (Piece 9)	50.92	DN	foliation	3	132	42	130.0	38.0	P	002.0	42	032.7	52.6	
5R-2, 92 cm (Piece 15)	51.32	DN	vein	1	220	71								
5R-2, 89 cm (Piece 15)	51.29	DN	vein	2	025	35								
5R-2, 93 cm (Piece 15)	51.33	DN	vein	3	018	34								
5R-2, 116 cm (Piece 18)	51.56	DN	vein	1	166	72	-073.8	27.1	S	239.8	72	233.3	53.1	
5R-2, 113 cm (Piece 18)	51.53	DN	vein	2	040	49	-073.8	27.1	S	113.8	49	108.9	70.0	
5R-2, 108 cm (Piece 18)	51.48	DN	vein	3	030	35	-073.8	27.1	S	103.8	35	099.4	57.1	
5R-2, 137 cm (Piece 20)	51.77	DN	vein	1	033	45	292.0	39.0	C	101.0	45	097.9	79.0	
5R-2, 144 cm (Piece 20)	51.84	DN	vein	2	051	21	292.0	39.0	C	119.0	21	102.5	53.6	
5R-3, 7 cm (Piece 1)	51.97	DN	vein	1	180	30								
5R-3, 15 cm (Piece 1)	52.05	DN	vein netwk	2	000	50								
5R-3, 1 cm (Piece 1)	51.91	DN	vein	3	350	40								
5R-3, 23 cm (Piece 2)	52.13	DN	vein	1	180	60	044.7	32.1	J	135.3	60	128.6	80.7	
5R-3, 20 cm (Piece 2)	52.10	DN	vein	2	079	25	044.7	32.1	J	034.3	25	061.0	46.1	
5R-3, 22 cm (Piece 2)	52.12	DN	foliation	3	028	46	044.7	32.1	J	343.3	46	011.3	44.6	
5R-3, 55 cm (Piece 6)	52.45	DN	vein	1	180	45								
5R-3, 69 cm (Piece 8)	52.59	DN	vein netwk	1	185	50								
6R-1, 58 cm (Piece 11)	59.18	DN	vein	1	170	55								
6R-1, 113 cm (Piece 21)	59.73	DN	vein	1	154	22								
6R-1, 124 cm (Piece 23)	59.84	DN	vein	1	210	86	106.0	11.0	C	104.0	86	284.0	87.8	
6R-2, 13 cm (Piece 3)	60.23	DN	vein	1	151	26								
6R-2, 18 cm (Piece 3)	60.28	DN	vein	2	121	52								
6R-2, 31 cm (Piece 4)	60.41	DN	vein	1	084	40	173.0	18.0	C	271.0	40	271.4	26.6	
6R-2, 25 cm (Piece 4)	60.35	DN	vein	2	320	42	173.0	18.0	C	147.0	42	136.8	50.3	
6R-2, 27 cm (Piece 4)	60.37	DN	vein	3	310	57	173.0	18.0	C	137.0	57	131.9	66.6	
6R-2, 21 cm (Piece 5)	60.31	DN	vein	1	084	40	083.0	15.6	J	001.0	40	013.7	41.4	
6R-2, 24 cm (Piece 5)	60.34	DN	vein	2	310	42	083.0	15.6	J	227.0	42	216.6	34.6	
6R-2, 27 cm (Piece 5)	60.37	DN	vein	3	310	57	083.0	15.6	J	227.0	57	221.1	49.3	
6R-2, 39 cm (Piece 5)	60.49	DN	vein	4	180	80	083.0	15.6	J	097.0	80	276.9	89.1	
6R-2, 52 cm (Piece 5)	60.62	DN	vein	5	045	7	083.0	15.6	J	322.0	7	050.3	8.6	
6R-2, 58 cm (Piece 5)	60.68	DN	vein	6	176	50	083.0	15.6	J	093.0	50	092.6	61.0	
6R-2, 64 cm (Piece 5)	60.74	DN	vein	7	000	15	083.0	15.6	J	277.0	15	294.9	4.3	
6R-2, 68 cm (Piece 5)	60.78	DN	vein	8	225	86	083.0	15.6	J	142.0	86	321.9	87.2	
6R-2, 87 cm (Piece 5)	60.97	DN	vein	9	072	16	083.0	15.6	J	349.0	16	026.0	17.5	
6R-2, 90 cm (Piece 5)	61.00	DN	vein	10	325	86	083.0	15.6	J	242.0	86	241.2	76.3	
6R-2, 80 cm (Piece 5)	60.90	DN	foliation	11	150	68	083.0	15.6	J	067.0	68	068.3	78.2	
6R-2, 103 cm (Piece 6)	61.13	DN	vein	1	005	55								
6R-2, 106 cm (Piece 7)	61.16	DN	vein	1	210	68	050.3	11.2		159.7	68	157.4	70.4	
6R-2, 110 cm (Piece 7)	61.20	DN	vein	2	197	65	050.3	11.2		146.7	65	144.4	68.7	
6R-3, 5 cm (Piece 1)	61.36	DN	vein	1	191	25	216.1	4.5	J	334.9	25	334.7	25.0	
6R-3, 30 cm (Piece 1)	61.61	DN	vein	2	225	14	216.1	4.5	J	008.9	14	008.5	14.0	
6R-3, 38 cm (Piece 1)	61.69	DN	vein	3	180	25	216.1	4.5	J	323.9	25	323.7	25.1	
6R-3, 6 cm (Piece 1)	61.37	DN	vein	4	162	41	216.1	4.5	J	305.9	41	305.8	41.1	
6R-3, 40 cm (Piece 1)	61.71	DN	vein	5	184	40	216.1	4.5	J	327.9	40	327.8	40.1	
6R-3, 31 cm (Piece 1)	61.62	DN	vein	6	180	80	216.1	4.5	J	323.9	80	323.9	80.1	
6R-3, 10 cm (Piece 1)	61.41	DN	foliation	7	095	88	216.1	4.5	J	238.9	88	238.9	88.1	
6R-3, 48 cm (Piece 2)	61.79	DN	vein	1	291	67	211.0	13.0	C	080.0	67	080.5	75.3	
6R-3, 53 cm (Piece 2)	61.84	DN	vein	2	225	55	211.0	13.0	C	014.0	55	019.4	57.4	
6R-3, 57 cm (Piece 2)	61.88	DN	vein	3	315	90	211.0	13.0	C	104.0	90	284.1	81.9	
6R-3, 65 cm (Piece 2)	61.96	DN	vein	4	313	72	211.0	13.0	C	102.0	72	101.6	80.2	
6R-3, 53 cm (Piece 2)	61.84	DN	vein	6	076	20	211.0	13.0	C	225.0	20	202.9	15.2	
6R-3, 55 cm (Piece 2)	61.86	DN	vein	7	212	34	211.0	13.0	C	001.0	34	013.2	35.0	
6R-3, 80 cm (Piece 4)	62.11	DN	vein	1	030	90								
6R-3, 79 cm (Piece 4)	62.10	DN	vein	2	276	40								
6R-3, 94 cm (Piece 5)	62.25	DN	vein	1	165	26	-026.8	57.6	S	191.8	26	122.8	52.4	
6R-3, 98 cm (Piece 5)	62.29	DN	vein	2	210	30	-026.8	57.6	S	236.8	30	121.7	31.4	
6R-3, 103 cm (Piece 5)	62.34	DN	vein	3	225	50	-026.8	57.6	S	251.8	50	161.8	14.6	
6R-3, 107 cm (Piece 5)	62.38	DN	vein	4	195	37	-026.8	57.6	S	221.8	37	140.0	36.8	
6R-3, 87 cm (Piece 5)	62.18	DN	vein	5	172	17	-026.8	57.6	S	198.8	17	111.3	49.6	
6R-3, 88 cm (Piece 5)	62.19	DN	vein	6	195	38	-026.8	57.6	S	221.8	38	140.0	36.8	
6R-3, 89 cm (Piece 5)	62.20	DN	foliation	7	000	70	-026.8	57.6	S	026.8	70	212.2	82.4	
6R-4, 2 cm (Piece 1)	62.44	DN	vein	1	335	32								
6R-4, 16 cm (Piece 1)	62.58	DN	vein	2	355	60								
6R-4, 28 cm (Piece 1)	62.70	DN	vein	3	200	85								
6R-4, 12 cm (Piece 1)	62.54	DN	foliation	4	300	63								
6R-4, 41 cm (Piece 2)	62.83	DN	vein	1	180	25	-064.5	35.5	J	244.5	25	142.8</		

Table 2 (continued).

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.	Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)			dec (°)	inc (°)	str (°)	dip (°)
6R-4, 45 cm (Piece 2)	62.87	DN	vein	2	195	71	-064.5	J	259.5	71	254.7	40.8
6R-4, 57 cm (Piece 2)	62.99	DN	vein	3	160	62	-064.5	J	224.5	62	204.7	43.9
6R-4, 62 cm (Piece 2)	63.04	DN	vein	4	000	20	-064.5	J	064.5	20	078.9	49.6
6R-4, 65 cm (Piece 2)	63.07	DN	vein	5	170	20	-064.5	J	234.5	20	129.2	18.3
6R-4, 70 cm (Piece 2)	63.12	DN	vein	6	346	21	-064.5	J	050.5	21	072.4	48.8
6R-4, 51 cm (Piece 2)	62.93	DN	foliation	7	276	80	-064.5	J	340.5	80	348.3	71.5
6R-4, 106 cm (Piece 6)	63.48	DN	vein	1	180	40						
6R-4, 109 cm (Piece 6)	63.51	DN	vein	2	350	80						
6R-4, 107 cm (Piece 6)	63.49	DN	vein	3	185	70						
6R-5, 16 cm (Piece 1)	63.91	DN	vein	1	160	42						
6R-5, 14 cm (Piece 1)	63.89	DN	foliation	2	274	75						
6R-5, 44 cm (Piece 4)	64.19	DN	vein	1	015	71	059.0	C	316.0	71	331.5	50.7
6R-5, 70 cm (Piece 5)	64.45	DN	vein	1	171	30	-115.3	S (+P)	286.3	30	296.3	18.5
6R-5, 79 cm (Piece 5)	64.54	DN	vein	2	190	85	-115.3	S (+P)	305.3	85	306.6	75.0
6R-5, 67 cm (Piece 5)	64.42	DN	foliation	3	268	70	-115.3	S (+P)	023.3	70	026.8	75.2
6R-5, 88 cm (Piece 6)	64.63	DN	vein	1	170	80	203.0	P	327.0	80	327.2	79.2
6R-5, 100 cm (Piece 6)	64.75	DN	vein	2	188	80	203.0	P	345.0	80	345.2	79.6
6R-5, 95 cm (Piece 6)	64.70	DN	vein	3	154	22	203.0	P	311.0	22	313.4	21.0
6R-5, 111 cm (Piece 6)	64.86	DN	vein	4	175	45	203.0	P	332.0	45	333.3	44.4
6R-5, 112 cm (Piece 6)	64.87	DN	vein	5	027	38	203.0	P	184.0	38	182.2	37.9
6R-5, 92 cm (Piece 6)	64.67	DN	foliation	6	265	84	203.0	P	062.0	84	062.1	85.2
6R-6, 8 cm (Piece 1)	65.06	DN	vein	1	206	11						
6R-6, 11 cm (Piece 1)	65.09	DN	foliation	2	027	53						
6R-6, 3 cm (Piece 1)	65.01	DN	vein	3	182	34						
6R-6, 10 cm (Piece 1)	65.08	DN	vein	4	198	9						
6R-6, 8 cm (Piece 1)	65.06	DN	vein	5	038	38						
6R-6, 18 cm (Piece 2)	65.16	DN	vein	1	185	70						
6R-6, 27 cm (Piece 3)	65.25	DN	vein	1	203	42	255.2	J	307.8	42	315.4	35.2
6R-6, 30 cm (Piece 3)	65.28	DN	foliation	2	280	43	255.2	J	024.8	43	032.7	47.4
7R-1, 15 cm (Piece 2)	68.35	DN	vein	1	002	45						
7R-1, 11 cm (Piece 2)	68.31	DN	vein	2	175	55						
7R-1, 16 cm (Piece 2)	68.36	DN	foliation	3	289	72						
7R-1, 25 cm (Piece 3)	68.45	DN	vein	1	015	71						
7R-1, 49 cm (Piece 7)	68.69	DN	vein	1	000	75						
7R-1, 50 cm (Piece 7)	68.70	DN	vein	2	205	85						
7R-1, 62 cm (Piece 7)	68.82	DN	vein	3	244	58						
7R-1, 58 cm (Piece 7)	68.78	DN	vein	4	200	85						
7R-1, 79 cm (Piece 10)	68.99	DN	vein	1	200	71	091.5	J	108.5	71	287.5	84.6
7R-1, 88 cm (Piece 11)	69.08	DN	vein	1	190	70						
7R-1, 124 cm (Piece 15)	69.44	DN	vein	1	006	60	094.0	J	272.0	60	272.9	36.5
7R-1, 126 cm (Piece 15)	69.46	DN	vein	2	200	85	094.0	J	106.0	85	286.7	72.4
7R-1, 135 cm (Piece 15)	69.55	DN	vein	3	014	21	094.0	J	280.0	21	038.0	4.5
7R-1, 141 cm (Piece 15)	69.61	DN	vein	4	340	52	094.0	J	246.0	52	232.3	31.6
7R-1, 122 cm (Piece 15)	69.42	DN	foliation	5	230	70	094.0	J	136.0	70	132.6	86.9
7R-2, 5 cm (Piece 1)	69.75	DN	vein	1	099	30						
7R-2, 11 cm (Piece 1)	69.81	DN	foliation	2	316	33						
7R-2, 18 cm (Piece 2)	69.88	DN	vein	1	030	59						
7R-2, 20 cm (Piece 2)	69.90	DN	vein	2	180	45						
7R-2, 29 cm (Piece 3)	69.99	DN	vein	1	210	73						
7R-2, 32 cm (Piece 3)	70.02	DN	foliation	2	075	66						
7R-2, 76 cm (Piece 8)	70.46	HZ	vein	1	180	0						
7R-2, 107 cm (Piece 11)	70.77	DN	vein	1	180	80	093.8	S	086.2	80	266.1	75.0
7R-2, 110 cm (Piece 11)	70.80	DN	vein	2	000	55	093.8	S	266.2	55	263.8	30.0
7R-2, 109 cm (Piece 11)	70.79	DN	foliation	3	080	73	093.8	S	346.2	73	354.9	68.8
7R-2, 132 cm (Piece 14)	71.02	DN	vein	1	180	25						
7R-3, 5 cm (Piece 1)	71.25	DN	vein	1	190	85						
7R-3, 17 cm (Piece 3)	71.37	DN	vein	1	205	58	106.0	C	099.0	58	097.6	87.1
7R-3, 31 cm (Piece 3)	71.51	DN	vein	2	303	18	106.0	C	197.0	18	127.3	29.2
7R-3, 46 cm (Piece 3)	71.66	DN	vein	3	180	85	106.0	C	074.0	85	252.6	66.8
7R-3, 34 cm (Piece 3)	71.54	DN	foliation	4	078	80	106.0	C	332.0	80	339.9	67.8
7R-3, 51 cm (Piece 4)	71.71	DN	vein	1	005	15	019.6	S	345.4	15	060.3	30.3
7R-3, 67 cm (Piece 4)	71.87	DN	vein	2	135	7	019.6	S	115.4	7	095.0	37.2
7R-3, 65 cm (Piece 4)	71.85	DN	vein netwk	3	113	31	019.6	S	093.4	31	092.0	61.8
7R-3, 62 cm (Piece 4)	71.82	DN	foliation	4	350	60	019.6	S	330.4	60	351.6	49.6
7R-3, 81 cm (Piece 6)	72.01	DN	vein	1	040	62						
7R-3, 78 cm (Piece 6)	71.98	DN	vein	2	146	40						
7R-3, 86 cm (Piece 6)	72.06	DN	vein	3	195	80						
7R-3, 115 cm (Piece 10)	72.35	DN	vein	1	020	42						
7R-3, 124 cm (Piece 11)	72.44	DN	vein	1	210	28	331.0	C	239.0	28	248.4	41.1
7R-3, 129 cm (Piece 11)	72.49	DN	vein	2	215	35	331.0	C	244.0	35	250.4	48.5
7R-3, 131 cm (Piece 11)	72.51	DN	vein	3	105	46	331.0	C	134.0	46	146.9	36.6
7R-3, 126 cm (Piece 11)	72.46	DN	foliation	4	348	61	331.0	C	017.0	61	008.5	57.8
7R-3, 146 cm (Piece 13)	72.66	DN	vein	1	218	31	-063.8	J	281.8	31	278.1	48.5
7R-3, 145 cm (Piece 13)	72.65	DN	foliation	2	335	69	-063.8	J	038.8	69	031.6	58.7
7R-4, 10 cm (Piece 1)	72.80	HZ	vein	1	140	48						
7R-4, 4 cm (Piece 1)	72.74	HZ	foliation	2	070	74						
7R-4, 23 cm (Piece 3)	72.93	HZ	vein netwk	1	318	57						
7R-4, 35 cm (Piece 4)	73.05	HZ	foliation	1	076	56	097.2	S	338.8	56	006.4	51.1
7R-4, 64 cm (Piece 5)	73.34	HZ	vein	1	020	71	093.0	P	287.0	71	292.6	46.1
7R-4, 54 cm (Piece 5)	73.24	HZ	foliation	2	298	38	093.0	P	205.0	38	168.1	34.8
7R-4, 89 cm (Piece 8)	73.59	HZ	foliation	1	156	62						
8R-1, 37 cm (Piece 6)	78.27	DN	vein	1	354	60						
8R-1, 38 cm (Piece 6)	78.28	DN	vein	2	139	19						
8R-1, 34 cm (Piece 6)	78.24	DN	vein	3	195	66						
8R-1, 40 cm (Piece 6)	78.30	DN	vein	4	354	56						
8R-1, 29 cm (Piece 6)	78.19	DN	vein	5	014	56						
8R-1, 37 cm (Piece 6)	78.27	DN	foliation	6	091	89						
8R-1, 51 cm (Piece 8)	78.41	DN	vein	1	353	60						

Table 2 (continued).

Sample number	Depth (mbsf)	Lith.	Feature type	Feat. #	Combined		Stable mag. rem.		Meas. by	Rest (D only)		Rest (D + I)	
					str (°)	dip (°)	dec (°)	inc (°)		str (°)	dip (°)	str (°)	dip (°)
8R-1, 69 cm (Piece 8)	78.59	DN	vein	2	005	55							
8R-1, 65 cm (Piece 8)	78.55	DN	vein	3	090	23							
8R-1, 63 cm (Piece 8)	78.53	DN	vein	4	152	53							
8R-1, 71 cm (Piece 9)	78.61	DN	vein	1	356	45							
8R-1, 75 cm (Piece 9)	78.65	DN	vein netwk	2	161	47							
8R-1, 84 cm (Piece 10)	78.74	DN	vein	1	027	70							
8R-1, 86 cm (Piece 10)	78.76	DN	vein	2	002	60							
8R-1, 93 cm (Piece 10)	78.83	DN	vein	3	008	65							
8R-1, 93 cm (Piece 10)	78.83	DN	vein	4	162	43							
8R-1, 107 cm (Piece 11)	78.97	DN	vein	1	092	65	064.6	22.7	J	027.4	65	033.3	74.2
8R-1, 108 cm (Piece 11)	78.98	DN	vein	2	164	46	064.6	22.7	J	099.4	46	097.5	63.9
8R-1, 101 cm (Piece 11)	78.91	DN	vein netwk	3	253	57	064.6	22.7	J	188.4	57	176.4	56.2
8R-1, 100 cm (Piece 11)	78.90	DN	foliation	4	024	46	064.6	22.7	J	319.4	46	337.2	36.3
8R-1, 122 cm (Piece 12)	79.12	DN	vein	1	163	64	045.0	-20.0	P (+C)	118.0	64	128.1	43.2
8R-1, 124 cm (Piece 12)	79.14	DN	vein	2	015	63	045.0	-20.0	P (+C)	330.0	63	322.4	76.9
8R-1, 130 cm (Piece 12)	79.20	DN	vein	4	203	62	045.0	-20.0	P (+C)	158.0	62	172.7	55.6
8R-1, 129 cm (Piece 12)	79.19	DN	vein	6	036	18	045.0	-20.0	P (+C)	351.0	18	304.8	32.4
8R-1, 127 cm (Piece 12)	79.17	DN	vein	7	045	68	045.0	-20.0	P (+C)	000.0	68	350.5	70.1
8R-1, 125 cm (Piece 12)	79.15	DN	vein netwk	8	192	61	045.0	-20.0	P (+C)	147.0	61	162.5	50.3
8R-1, 122 cm (Piece 12)	79.12	DN	foliation	9	311	57	045.0	-20.0	P (+C)	266.0	57	266.6	81.6
8R-2, 30 cm (Piece 5)	79.69	DN	vein	1	288	56	170.3	29.6	S (+P)	117.7	56	113.1	78.7
8R-2, 32 cm (Piece 5)	79.71	DN	vein	2	227	40	170.3	29.6	S (+P)	056.7	40	066.5	62.1
8R-2, 35 cm (Piece 5)	79.74	DN	vein	3	056	58	170.3	29.6	S (+P)	245.7	58	233.8	36.2
8R-2, 50 cm (Piece 5)	79.89	DN	vein	4	062	75	170.3	29.6	S (+P)	251.7	75	247.2	51.5
8R-2, 65 cm (Piece 5)	80.04	DN	vein	5	265	44	170.3	29.6	S (+P)	094.7	44	093.5	68.9
8R-2, 51 cm (Piece 5)	79.90	DN/HZ	igne contact	7	323	62	170.3	29.6	S (+P)	152.7	62	144.2	75.3
8R-2, 70 cm (Piece 5)	80.09	DN	vein netwk	8	241	50	170.3	29.6	S (+P)	070.7	50	074.7	73.9
8R-2, 87 cm (Piece 7)	80.26	HZ	vein	1	353	58	060.0	18.0	C	293.0	58	297.5	45.9
8R-2, 93 cm (Piece 7)	80.32	HZ	vein	2	253	35	060.0	18.0	C	193.0	35	173.4	34.2
8R-2, 96 cm (Piece 7)	80.35	HZ	vein netwk	3	184	50	060.0	18.0	C	124.0	50	119.2	61.4
8R-2, 96 cm (Piece 7)	80.35	HZ	foliation	4	067	51	060.0	18.0	C	007.0	51	017.1	53.8
8R-2, 122 cm (Piece 9)	80.61	DN	vein	1	104	48							
8R-2, 113 cm (Piece 9)	80.52	DN	vein	2	024	62							
8R-2, 120 cm (Piece 9)	80.59	DN	vein netwk	3	034	53							
8R-3, 10 cm (Piece 1)	80.90	DN	vein	1	148	45	-050.8	-16.0	J	198.8	45	214.6	54.4
8R-3, 4 cm (Piece 1)	80.84	DN	foliation	2	030	58	-050.8	-16.0	J	080.8	58	077.2	37.8
8R-3, 7 cm (Piece 1)	80.87	DN	vein netwk	3	105	38	-050.8	-16.0	J	155.8	38	184.2	34.3
8R-3, 8 cm (Piece 1)	80.88	DN	vein	4	190	30	-050.8	-16.0	J	240.8	30	251.1	48.9
8R-3, 34 cm (Piece 2)	81.14	DN	vein	1	006	90							
8R-3, 16 cm (Piece 2)	80.96	DN	vein	2	167	66							
8R-3, 25 cm (Piece 2)	81.05	DN	vein netwk	4	195	44							
8R-3, 45 cm (Piece 3)	81.25	DN	vein	1	123	18	061.0	-15.0	C	062.0	18	336.9	9.1
8R-3, 47 cm (Piece 3)	81.27	DN	vein	2	293	41	061.0	-15.0	C	232.0	41	241.4	57.5
8R-3, 51 cm (Piece 3)	81.31	DN	vein	3	080	77	061.0	-15.0	C	019.0	77	013.6	71.4
8R-3, 56 cm (Piece 3)	81.36	DN	vein	4	016	59	061.0	-15.0	C	315.0	59	309.2	73.6
8R-3, 48 cm (Piece 3)	81.28	DN	vein netwk	5	204	32	061.0	-15.0	C	143.0	32	177.8	25.1
8R-3, 66 cm (Piece 5)	81.46	DN	vein	1	072	56	141.0	-19.0	C	291.0	56	287.7	78.3
8R-3, 64 cm (Piece 5)	81.44	DN	vein	2	282	43	141.0	-19.0	C	141.0	43	169.3	32.6
8R-3, 79 cm (Piece 5)	81.59	DN	vein	3	000	17	141.0	-19.0	C	219.0	17	247.6	36.6
8R-3, 86 cm (Piece 5)	81.66	DN	vein	4	140	64	141.0	-19.0	C	359.0	64	348.1	66.7
8R-3, 70 cm (Piece 5)	81.50	DN	vein netwk	5	292	41	141.0	-19.0	C	151.0	41	181.1	35.0
8R-3, 102 cm (Piece 6)	81.82	DN	vein	1	354	40	040.3	-11.0	S	313.7	40	304.2	52.2
8R-3, 107 cm (Piece 6)	81.87	DN	foliation	2	310	32	040.3	-11.0	S	269.7	32	269.8	47.6
8R-3, 105 cm (Piece 6)	81.85	DN	vein netwk	3	202	36	040.3	-11.0	S	161.7	36	184.1	34.0
8R-3, 107 cm (Piece 6)	81.87	DN	vein	4	301	57	040.3	-11.0	S	260.7	57	261.8	72.4
8R-3, 106 cm (Piece 6)	81.86	DN	vein	5	220	54	040.3	-11.0	S	179.7	54	190.8	55.4
8R-3, 110 cm (Piece 6)	81.90	DN	vein	6	062	49	040.3	-11.0	S	021.7	49	007.5	45.0
8R-3, 100 cm (Piece 6)	81.80	DN	vein	7	303	18	040.3	-11.0	S	262.7	18	265.9	33.5
8R-3, 116 cm (Piece 7)	81.96	DN	vein	1	190	80							
8R-3, 113 cm (Piece 7)	81.93	DN	vein	2	100	45							
8R-3, 116 cm (Piece 7)	81.96	DN	vein	3	130	44							
8R-3, 116 cm (Piece 7)	81.96	DN	vein netwk	4	023	48							
8R-4, 50 cm (Piece 8)	82.80	DN	vein	1	357	36							
8R-4, 48 cm (Piece 8)	82.78	DN	vein	2	024	90							
8R-4, 48 cm (Piece 8)	82.78	DN	vein	3	017	80							
8R-4, 90 cm (Piece 13)	83.20	DN	vein	1	270	9							
8R-4, 86 cm (Piece 13)	83.16	DN	vein	2	034	76							
8R-4, 80 cm (Piece 13)	83.10	DN	vein	3	336	16							
8R-4, 86 cm (Piece 13)	83.16	DN	vein netwk	4	304	28							
8R-4, 111 cm (Piece 17)	83.41	DN	vein	1	188	55	029.0	-13.0	C	159.0	55	172.1	50.5
8R-4, 120 cm (Piece 17)	83.50	DN	vein netwk	2	201	42	029.0	-13.0	C	172.0	42	191.6	42.6
8R-4, 137 cm (Piece 19)	83.67	DN	vein	1	102	43							
8R-4, 139 cm (Piece 19)	83.69	DN	vein	2	181	42							
8R-4, 134 cm (Piece 19)	83.64	DN	vein	3	059	65							
8R-4, 132 cm (Piece 19)	83.62	DN	vein	4	175	42							