

Supplementary material. Results of the anisotropy of magnetic susceptibility measurements.

Site	Object	N	K	Pj	T	K1			K2			K3			Ellipsoid type
						D	I	Ci	D	I	Ci	D	I	Ci	
18-10	TM (small sill)	6	7.54E-02	1.007	0.285	193.6	36.9	45.5/9.2	288.4	6.4	57.2/23.3	26.7	52.3	51.5/10.9	N
27-10	Pd	5	1.59E-02	1.033	-0.118	81.1	18.8	37.8/15.8	346.9	12.1	62/37.6	226	67.4	62.1/10	N
19-10d1	TM (dike)	8	9.78E-03	1.032	0.279	95.8	8	38.4/14.8	197.4	55.1	45.1/26.4	0.4	33.7	39.1/17.7	N
30-15	CB	9	2.07E-02	1.027	0	200.1	11.4	42/16	106	19.4	44.5/31.6	319	67.3	36.5/14.8	N
15-15	Tl	6	4.24E-02	1.006	-0.128	336.2	11.2	23.7/11	79.1	48.5	55.5/18.4	236.8	39.3	55.9/10	N
22-11.1	Tl (small sill)	9	4.97E-02	1.02	0.044	261.7	13.2	22.3/4.2	354.1	9.9	22.5/10.8	119.8	73.4	11.9/5.3	N
23-11.1	Tl	6	2.35E-02	1.037	0.121	155	14.5	53.6/19.3	60.4	17.5	57.8/20.7	282.5	67	42.1/18.8	N
23-11.2	Tl	10	2.24E-02	1.038	-0.028	116.5	3.2	49.5/18.6	206.8	5.1	49.5/28.5	354.3	83.9	30/17.1	N
22-11.3	Tl (small sill)	6	1.91E-02	1.009	-0.008	12.6	16.6	26.1/13	277.2	17.4	26.3/5.8	143.7	65.5	14.4/3.4	N
2-15	Nz	10	1.35E-02	1.024	0.039	308.2	7.2	56.3/10.7	217.9	2.3	56.4/22	110.3	82.7	23.8/13.1	N
3-15	Nz	12	1.75E-02	1.032	0.235	206.4	0.9	27.1/5.6	296.4	2.1	25.9/13.3	92	87.7	14.1/10.6	N
5-15	Nz	5	3.61E-02	1.01	-0.123	271	14	19.1/5.4	3.8	11.1	20.8/10.9	130.8	72	14.7/2.4	N
8-15	Tl (small sill)	11	5.34E-02	1.01	0.058	239	9	27.7/15.8	143.6	30.9	27.6/18.9	343.4	57.5	21.4/16.3	N
9-15	Tl	13	2.18E-02	1.018	0.309	4.7	2.6	28.1/8.9	94.9	3.8	28.1/8.2	239.7	85.4	9.1/8.1	N
10-15	Tl	13	2.68E-02	1.024	0.368	161.9	0.7	25.9/2.9	252	1	25.9/5.4	39.5	88.8	5.5/3.5	N
12-15	Tl	14	2.65E-02	1.02	0.504	165.1	15.7	78.4/10.8	74	4	78.4/6.4	330.1	73.8	10.9/6.4	N
2-10	TM	7	3.72E-02	1.023	0.216	207.7	9.9	25.2/18.3	117.7	0.2	44.8/22	26.5	80.1	46.4/7	N
16-10	TM (small sill)	7	4.89E-04	1.015	-0.117	194.4	7.2	67.5/7.8	103.7	5.7	67.4/10.4	335.6	80.7	22.6/8.3	N
3-11	TM	12	1.88E-02	1.059	-0.039	333.1	3.7	36.6/10.7	242.8	5.5	36.7/19.1	96.8	83.4	19.3/10.9	N
11-11	sill	9	7.24E-03	1.006	-0.335	353.4	7.6	46.1/41.3	86.9	24.4	58.1/36.5	247.3	64.3	57.4/41.6	N
12-11	sill	5	1.52E-02	1.047	0.127	26.2	2.2	25.4/5.7	116.4	5.1	26.1/13.7	273	84.4	16.6/5.5	N
15-11	TM	8	7.84E-03	1.016	-0.156	22.5	7.6	36.7/7.9	114.8	16.8	39/31.1	269.2	71.5	34.4/8.7	N
16-11	sill	5	1.17E-02	1.033	-0.225	110.6	12	35.4/9.2	19.6	4.8	41.3/6.6	268.1	77.1	31.7/11.9	N

24-11	Tl	9	2.37E-02	1.025	0.076	206.7	7.6	36.5/16.8	297.7	7.2	42.8/29.9	70.8	79.5	39/16.7	N
13-15	Tl (dike)	7	5.33E-02	1.016	0.097	250.3	67.8	19.5/13.2	149.1	4.5	22.2/19	57.3	21.6	22.3/13.8	N
15-15c	Tl (endocontact)	6	5.31E-02	1.008	0.275	32.5	83.5	10.4/8.7	123.1	0.1	39.5/9	213.1	6.5	39.6/8.3	N
19-15	Pd	5	1.79E-02	1.022	-0.333	229.5	26.6	24.1/18.3	133.9	11	30.5/14.7	23.4	60.9	30.7/10.8	N
22-15	Pd	5	2.69E-02	1.012	-0.043	42.5	1.3	43.5/16.2	132.8	13.3	43.2/15.3	306.9	76.6	19.6/13.7	N
23-15	Pd	10	1.20E-02	1.018	0.244	30.2	8.3	35.9/11.9	300	1.6	35.9/29.6	199.3	81.6	30/10.6	N
24-15	Pd	10	1.67E-02	1.027	0.433	130.2	0.7	30.9/3.7	40.2	3.6	30.8/12.7	231.7	86.3	12.7/4.7	N
25-15	Pd	6	3.49E-02	1.031	-0.097	90.1	11.5	20.9/8	184.6	21.1	26/20.9	333.3	65.7	26.5/5	N
27-15	Pd	5	1.27E-02	1.007	0.285	189.3	7.7	30.3/14.4	98.2	7.9	31.2/16.1	322.8	78.9	27.7/17.3	N
20-10s1	TM	6	5.59E-04	1.01	-0.054	196.2	62.2	39.6/ 13.1	315.3	14.4	50.8/19.3	51.6	23.2	50.5/37.5	R
29-15	Pd	6	3.87E-02	1.01	0.118	161.9	51	46.9/ 11.7	43.3	21.2	65.9/38.1	299.8	31	65.9/36.9	R
25-10.2	TM	5	7.40E-02	1.029	0.174	151.8	73.2	36.2/ 17.2	42.4	5.7	48.8/18.2	310.8	15.7	51/28.2	R
1-15	Nz	11	2.34E-02	1.013	0.066	32.8	68.9	32/ 21.8	180.3	18	35.2/31.3	273.8	10.6	36/20.3	R
21-10	TM	11	1.87E-02	1.014	0.045	301.4	76.8	27.7/ 18.8	202.9	2	53.5/21	112.5	13	53.1/19.7	R
23-10	TM	5	1.38E-02	1.038	-0.799	157.6	76.1	7.3/ 6.1	276.5	6.8	32.1/6.7	8	12.1	32.4/2.6	R
28-10	Pd	7	2.57E-02	1.03	-0.231	80.6	65.8	20.4/14.9	220.8	19	34.1/17.9	315.8	14.3	33.1/15.1	R
8-11	sill	6	3.65E-03	1.018	-0.058	57.5	82.9	49.1/20.8	326.2	0.2	50.4/19.1	236.2	7.1	27.6/22	R
9-11	sill	5	2.29E-03	1.037	-0.232	240.3	77.3	10.8/2.6	72.1	12.4	38.4/8.9	341.5	2.5	38.5/5.7	R
18-11	Pd	7	3.28E-02	1.018	0.141	178.2	60.6	16.7/12.6	336.5	27.7	17.2/8.3	71.4	9.3	13.8/10.2	R
18-15	Pd	9	2.25E-02	1.027	-0.456	130.7	75.2	8.2/3.9	306.4	14.8	37.7/6.7	36.6	1.1	37.6/5.4	R
20-15	Pd	8	2.04E-02	1.016	0.277	195.5	84	28.7/10	104.1	0.2	30.4/22.5	14	6	25.5/12.1	R
28-15	CB	8	3.70E-02	1.006	0.058	93.4	66.2	30.4/15.8	208.1	10.5	55.8/10.3	302.2	21.2	56/26.9	R
31-15	CB (small sill)	10	7.30E-02	1.008	-0.096	235.1	78.3	28.3/11.8	338.9	2.8	62/20.1	69.4	11.3	61.4/11.5	R
13-10	TM (dike)	6	1.00E-02	1.024	0.615	185	27	31/16.5	279.8	9.3	31.1/14.2	27.1	61.2	19.6/10.3	I
13-11	TM	9	1.04E-02	1.011	0.106	319.1	20.5	29.4/5	193.7	57.2	31/29.2	58.9	24.5	30.9/5	I
1-10	TM	7	2.97E-02	1.028	0.085	52.5	7.8	32.1/21.7	311.3	54.6	57.3/18.1	147.8	34.3	56/17.3	I
25-10.3	TM	7	1.89E-02	1.01	-0.199	268.1	14.7	56.8/18.6	44.5	70.1	56.7/31.1	174.6	13.1	36.5/10	I

1-11	Sill	14	1.14E-02	1.02	-0.037	259.3	13.8	62.4/46.3	109.4	74.2	62.3/45.2	351.2	7.6	49.8/41	I
21-15	Pd	9	5.52E-02	1.028	-0.149	357.9	27.4	34.6/17.7	185.1	62.4	34.8/20.4	89.4	3	21.5/18.2	I
25-10.1	TM	5	1.11E-02	1.014	0.168	164.6	54.5	35.6/24.9	280.9	17.7	40/27.8	21.5	29.9	35.9/22.3	D
24-10	TM	8	1.12E-02	1.019	0.089	9.9	57.5	41.4/17.5	263.3	10.3	40.4/27.1	167.2	30.4	28.3/20.8	D
2-11	TM	10	1.65E-02	1.032	0.134	46.2	38.9	28.1/20.7	233.6	50.9	57.5/21.2	139.1	3.6	57.4/25.2	D
4-11	TM	5	1.61E-02	1.176	0.082	182.4	33.1	12.9/1.6	332.1	53	12.9/1	82.5	14.8	1.7/1.1	D
21-11	Pd	6	2.24E-02	1.011	-0.097	18.7	50.3	48/16.7	249.9	27.5	48.9/8.9	145.1	26.2	20.5/15.9	D
19-11	Pd	8	8.51E-02	1.018	0.4	298.5	52.8	35.6/16.5	38.9	7.8	35.5/29.9	134.6	36.1	32.5/19.4	D
20-10s2	TM	6	6.66E-03	1.007	-0.283	356.7	35.4	53.5/23.8	102.2	20.7	53.4/24.8	216.4	47.3	28.2/20.1	D
26-10	Pd	10	2.32E-02	1.03	-0.273	333.9	52.9	50.8/23.2	196.1	29.3	63.9/44.9	93.9	20.7	63/11.5	S
7-11	TM	21	1.70E-02	1.022	-0.16	25.4	64.4	65.3/37.6	180.3	23.4	64.9/54.9	274.5	9.7	54.9/41	S
10-11	Sill	6	1.37E-02	1.01	0.021	230.1	66.8	53.2/10.5	123.5	7	62.6/44.8	30.7	22	59.8/13.3	S
19-10d2	TM (dike)	5	8.54E-03	1.004	0.362	218.9	0.7	29.8/17.1	309.1	20.6	74.8/18.8	127.1	69.3	74.7/24.6	S
17-10	TM (small sill)	9	5.45E-04	1.009	-0.098	349.9	10.9	54.2/22.8	254.1	27.8	78.7/53.4	99.3	59.8	78.7/22.7	S
16-15	Stock	5	2.27E-02	1.009	0.165	309.7	8.5	38.1/13.4	213.3	37	49.4/24.1	50.6	51.7	48.4/30	S

K – bulk magnetic susceptibility, SI units; N – number of samples; Pj – corrected degree of anisotropy; T – shape parameter; K1 – maximal axis of AMS ellipsoid; K2 – medium axis; K3 – minimal axis. D – declination, °; I – inclination, °; Ci – ratios of the confidence ellipses, °. Site-mean values are shown for K, Pj, T, D, I. The types of AMS ellipsoid: N – normal; R – reverse; I – intermediate; D – diagonal; S – scattered. Sills or directional groups: TM – Tolstomysovskiy, Tl – Tulunskiy, Pd – Padunskiy, Nz – Nizhneudinskiy, CB – Chuna-Biryusinskiy.