AGSO

NORTH WEST SHELF PROJECT
Palaeomagnetic Framework

Phanerozoic configurations of Greater Australia: Evolution of the North West Shelf

Part Three
Palaeomagnetic Data Base

by

Chris Klootwijk

AGSO Record 1996/53

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DEPARTMENT OF PRIMARY INDUSTRIES AND ENERGY

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CONTENTS

INTRODUCTION

Palaeomagnetic data for relevant continents and terranes have been extracted from the Global Palaeomagnetic Database (GPMDB Version 3.1: Lock and McElhinny,1991; McElhinny and Lock, 1993,1994,1996) through careful scrutiny of individual results. The ACCESS version of the database covers palaeomagnetic data published in established international journals up to the end of 1994. Further results of 1995 and 1996 vintage have been extracted directly from relevant publications as available. Datasets for Australia and India have been complemented with relevant data published in the grey literature and with unpublished data obtained from studies on the Indian Gondwana succession, carried out at the Research School of Earth Sciences (Agarwal,1980; Klootwijk and Agarwal,unpublished), and from studies on Australian cratonic basins, the Tasman Orogenic System and the Tamworth Belt of the New England Fold Belt, carried out at AGSO (e.g. Klootwijk and Giddings,1993; Klootwijk et al.,1993; Klootwijk,1995,1996).

The palaeomagnetic data have been checked for errors, represented as south pole positions, complemented with local palaeolatitude detail, supplied with comments as required, and catalogued in younging order. Results from fold belts peripheral to the Indian Shield (Himalayas, Salt Range, Baluchistan) have been corrected for local or regional rotations wherever established, with corrected results added to the datasets for India, Nepal and Pakistan. Mean results have been collated for the major continental blocks, either from published sources (Siberia [Khramov and Rodionov,1980; Khramov et al.,1981; Zonenshain et al.,1990], North China, South China [Enkin et al.,1992; Zhao et al.,1996], Tarim, Alashan - Hexi corridor [Zhao et al.,1996]), or have been determined for Australia and India from the tabled data (Tables 1-6) for time-intervals according to the AGSO Phanerozoic Timescale (Young and Laurie,1996) as specified in Table 7.

For construction of palaeolatitude plots, individual palaeomagnetic results have been converted to palaeolatitudes at an easily identifiable common site for each continental block or terrane as listed in Table 8, and stratigraphic ages have been converted to absolute ages following the AGSO Phanerozoic Timescale. The GMAP for Windows program (Torsvik and Smethurst,1995) has been used for relocation of several of the Cathaysian continents in pre-break reconstructions within eastern Gondwana, and the ATLAS program (Cambridge Paleomap Services,1992) has been used for geographical overviews.

TABLE 1 GONDWANA

TABLE 1.1 AUSTRALIA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Wooltana Volcs WV3 comp[173]	PT3,ovp?	30.3	139.5	320.0 333.0	15.0 -12.0	14.3 15.0	25.0 25.0	4,14	F/O B/100	36.0	267.0	7.6N 6.1	13.0	26.0			1158
3	Merinjina Tillite[174]	PT3,ovp?	30.4	139.4	277.0 273	26.0 11.0	10.2 8.0	13.0 15.0	14,28	F/O B/100	1.0N	245.0	13.7 5.6	8.0	14.0			1162
*	Chambers Bluff Volcs[176]	PT3,ovp?	27.0	133.0	312.0	-13.0	8.9		14	B/100	40.0	238.0	6.6	7.0	14.0			AMMW
*	Egan Tillite[175]	PT3?, ovp?	18.5	127.0	117.0	-14.0	4.1		,13	F/O?	23.0	231.0	7.1N	13.0	25.0			AMMW
*	King Island Volc[177]	PT3-CBe? ,ovp?	40.0	144.0	299.0	-23.0	25.0		7,27	B/100	30.0	244.0	12.0	7.0	13.0			AMMW
*	King Island Dykes[177,178]	PT3-CBe? ,ovp?	40.0	144.0	303.0	-38.0	242.0		4,	B/100	39.0	237.0	21.3	4.0	7.0			AMMW
4	Dolerite Dykes, Northhampton Block[156]	PT2-CBe	27.8	114.7	15.5	23	54.9	9.1	6,45	F/O	47.1N	137.3	12.0N	7.9	7.9	(71.9)	(7.9)	1155
4	Mnt Painter Brecc, Granite Comp-HT[170]	PT3-CBe	30.2	139.3	163.1	66.2	19.2	7.7	2,20	B/100	65.7	165.1	48.6	11.5	11.5	(9)	(11.5)	7017
4	Mnt Painter Brecc, Granite Comp-IT[170,171]	PT3-CBe, ovp?	30.2	139.3	162.2	75.1	14	15.3	,8	B/100	53.7	151.9	62.0	24.9	24.9	(5.9)	(24.9)	7018
4	Mnt Painter Brecc, Hematite Comp-IT[170,171]	PT3-CBe, ovp	30.2	139.3	189.7	85.1	4.8	18.8	2,16	F/O	39.6	137.3	80.3	29.9	29.9	(2.5)	(29.9)	7019
4	Mnt Painter Diamictite[172]	PT3-CBe, ovp	30.2	139.2	248.2	87.2	19.6	4.2	4,62	F/O	33.1	133.9	84.4	6.9	6.9	(7.8)	(6.9)	7020
4	Mt Gee Sinter Comp-HT	PT3-CBe	30.2	139.3	137.9	77.6	12.4	12.3	1,13	B/100	44.6	160.4	66.3	21.7	21.7	(4.6)	(21.7)	7021
4	Mt Gee Sinter Comp-IT	PT3-CBe	30.2	139.3	110	81.5	13.4	11.3	1,14	B/100	35.3	157.8	73.4	20.1	20.1	(4.9)	(20.1)	7022
1	Seds Kangaroo Isl Emu Bay sh White Pnt congl[165]	CB,ovp	35.6	137.5	357	-75	27.5	6	22,50	F/O	64	141	61.8	10	11			1874

3	Hawker Group Comp-A[158]	CBe	31.2	138.6	233.4	-27.8	12.3	11.4	15,89	B/100	21.3	14.9	14.8	6.8	12.5			1402
2	Aroona Dam Seds	CBe	31	138.5	231	13	7		,11	B/100	36	33	6.6	16.5	16.5		(16.5)	1921
3	Kangaroo Isl CBl Sed Comp-A[162]	CBe	35.6	137.6	224.5	-4.4	9.4	12.3	16,77	B/100	33.8	15.1	2.2N	6.2	12.3			1405
3	Todd River Dol	CBe	23.4	133.4	19.3	35	14.7	6.7	,34	B/100	43.2	339.9	19.3N	4.5	7.7			1959
0	Antrim Plateau Basalts	CBe	16	128	53	-2		12	3,7	B/100	36	26	1.0	6	12			1829
2	Antrim Plateau Volcanics[167]	CBe,ovp?	15.8	130	51	66	10.7	13	14,52	B/100	9	340	48.3N ?	17	17	(6.2)	(17)	1896
3	Kangaroo Isl CBe Sed Comp-B[160,162]	CBe,ovp	35.6	137.6	301	21.5	7.6	7.5	,54	F/0	17.4	255.8	11.1	4.2	7.9			1406
3	Hugh River Shales	CBe-m	23.8	133	278	-19	43.5	9	,7	B/100	11	217	9.8N	8.5	8.5	(50.4	(8.5)	1900
3	Billy Creek Fm, Aroona Creek Lst & Wirrealpa Lst Comp-A[159]	CBe-m	31.1	138.7	224.1	-1.2	11	14.4	11,78	B/100	37.4	20.1	0.6N	7.2	14.4			1403
3	Cambrian Seds, Flinders Ranges Comp-B[160]	CBe-m, ovp	31.2	138.7	306	13.8	39.7	12.3	5,150	F/0	26	255.3	7.0N	6.4	12.6			1404
3	Deception Illara & Tempe Fms, Comp-A	CBe-m	24.1	132.3	227.2	-19.4	84.5	7.3	6,136	B/100	32.7	11.5	10.0N	4	7.6			1407
3	Deception Illara & Tempe Fms, Comp-B[160]	CBe-m, ovp	24.1	132.3	314.5	8.5	5.5	4.6	3,206	B/100	37.3	248.6	4.3N?	2.3	4.6			1408
3	Deception Illara & Tempe Fms, Comp-ASO[163]	CBe-m, ovp	24.1	132.3	217.5	72	10.5	7.7	,36	B/100	47.6	102.6	57.0	11.9	13.6			1409
2	Montejinni Lst [166]	CBm	17.2	131.5	11.8	-35.8	7.5		2,8	F/0	78.5	56.6	19.8					1894
3	Lake Frome Grp[157]	CBm	31.2	138.9	232.3	-0.5	16.6	10.1	14,80	B/100	31.4	26.9	0.3N	5.1	10.1			1401
2	Lake Frome Grp	CBm-l	31	138.5	243	-20	5.4		,20	B/100	16	25	10.3N	12.5	12.5		(12.5)	1919
3	Giles Creek Dol, Ross Riv, Comp-A	CBm	23.6	134.5	227.5	0.3	38.5	10.4	,33	B/100	38.3	24.5	0.2	5.2	10.4			1410
0	Elder Mnt Sst	CBm	16	128	231	-15		10	1,3	B/100	34	16	7.6N	5	10			1828
3	Hudson Fm (fmr Elder Mnt Sst)[169]	CBm	17	129	283	-37	7	14	,17	B/100	18	199	20.7N	13	13	(8.1)	(13)	1902

3	Giles Cr Dol Rss Riv, Comp-B[160]	CBm,ovp	23.6	134.5	301	-8.5	6	9	,50	B/100	29.9	233.7	4.3N	4.6	9.1			1411
3	Giles Cr Dol Rss Riv, Comp-ASO[163]	CBm,ovp	23.6	134.5	206.5	76.5	14	2.9	,178	B/100	45.8	118.1	64.4	5	5.4			1412
1	Volcs & Seds Tas[165]	CBm-l	41	145.5	9	-77	18	10.5	12,44	F/0	66	135	65.2	18.2	19.6			1872
3	U Shannon Fm Ross Riv[164]	CBl,ovp?	23.6	134.5	100	27.5	28	10.6	1,9	B/100	14.9	214.9	14.6N	6.3	11.6			1413
1	Dundas Grp, tuffs & Sst	CBl	42	146	43.5	22.5			2,8	B/100	23	13	11.7N	11.5	11.5		(11.5)	1922
*	Chatsworth Lst/Nirmaroo Fm[145]	CBl-Oe	22.6	140.3	274.5	4.3	6.7	7.4	,64	B/100	3.1N	54.1	2.2	3.7	7.4			ARK
*	Chatsworth Lst Nirmaroo Fm[145,146]	CBl-Oe, ovp	22.6	140.3	199.9	-7.5	10.7	11.4	,17	B/100	57.2	359.3	3.8N	5.7	11.5			ARK
*	Chatsworth Lst Nirmaroo Fm[145,147]	CBl-Oe, ovp	22.6	140.3	333.5	-17.7	10.7	15.5	,8	B/100	59.9 (61.2	256.2 254.1	9.1	17.2 8.3	32.6 16.1	)		ARK
2	Tumblagooda Sst[97]	CBm-Se	27.7	114.5	245	33	16.1		,17	B/100	30	31	18.0	9	9		(9)	1918
4	Tumblagooda Sst[119]	Oe	27.8	114.2	69.6	-36.1	555.6	3	6,34	B/100	26.7	33.7	20.0	2	3			6293
*	Black Hill Norite Comp-HT[152]	Oe,ovp?	35.5	139.5	231.1	19.7	67.5	3.8	,22	F/0	37.5	34.4	10.2N				3.2	APWS
*	Black Hill Norite COMP-LT[152]	Oe,ovp?	35.5	139.5	222.5	8.9	123	2.8	,22	F/0	40.4	21.7	4.5N				2.6	APWS
*	Black Hill Norite COMP-HAF[152]	Oe,ovp?	35.5	139.5	223.9	-5.5	47.8	7.1	,10	F/0	34.4	16.4	2.8N				6.6	APWS
*	Black Hill Norite COMP-LAF[152]	Oe,ovp?	35.5	139.5	227.2	23.0	47.0	7.1	,10	F/0	41.6	33.4	12.0				6.8	APWS
2	Jinduckin Fm[94]	Oe	14.1	131.7	251.8	-14.5	9.6	20.6	7,20	F/0	15.7	29.5	7.4N	16.6	16.6	(14.1)	(16.6)	1893
2	Jinduckin Fm[97]	Oe	14.1	131.7	252	-22	7.7	13	7,20	B/100	13	25	11.4N	11	11	(10.1)	(11)	1903
0 TAS	Ord. Sst	Oe,ovp?	41.1	146.1	14	-70	7	11	3,16	F/0	75	114	54.0	16.3	18.9			1871
4 LL	Walli & Mt Pleasant And Comp-A[20]	Oe	32.5	149	42	54	551.4	10.7	2,30	B/100	12.2	3.3	34.5N	10.5	15			1099
4 LL	Walli & Mt Pleasant And Comp-B[21]	Oe,ovp??	32.5	149	233.4	6	18.4	18.3	,5	F/0	31.6	39.4	3.0	9.2	18.4			1100
4 LL	Ord-Sil Fms, ovp[25]	Oe-Sl, ovp	33.6	149	326.7	-15.6	27.6	10.7	8,106	F/0	50	271.2	8.0	5.7	11			1105

4 LL	Ord-Dev Fms, ovp[26]	Oe-Dm	33.6	149	25.7	-75	76.1	7.7	6,124	F/0	57.4	126.7	61.8	12.8	14.1			1106
3	Stairway Sst[99]	Om	23.8	133	271	14.5	24.7	10	,10	B/100	2	50.5	7.4	8.5	8.5		(8.5)	1905
4 LL	Cliefden Caves Lst Malongulli Fm Angullong Tf G1-pole[22]	Om-l	32.5	149 (	258.5 251.1	-54.1 -55.5	402.1 57.1	6.2 6.1	3,161 3	B/100 B/100	9.6 6.1	203.9 199.1	34.6 36.4	6.1 6.2	8.7 8.7)			1101
4	Gordon Subgroup[30]	Om-l, ovp	43.5	146.8	9.4	-81.4	137.5	1.3	,48	F/0	59.8	141.1	73.2	2.4	2.5			1350
4	Mereenie Sst[123]	S	24	132	292	20	7.8	25.6	6,51	B/100	15.7	242.7	10.3	14.0	26.8		(23.7)	6648
3	Mereenie Sst[99]	S,ovp?	23.8	133	50	-24.5	155		,11	B/100	41.5	40.5	12.8	10.5	10.5	(19)	(10.5)	1904
4 LL	G2, Rockdale, Millambri, Belubula Sh, Narragnal Lst[24]	Se-m	33.6	149 (	43 45.9	-7.3 -8.3	45.7 37.8	13.7 8.5	4,74 4	B/100 B/100	40 38.2	31.7 34.6	3.7 4.2	6.9 4.3	13.8 8.6)			1102
0 LL	Duro Porphyry[51]	Sm, ovp?	34.7	148.9	306	-11			2,7	F/0	32.4	256.4	5.6					1836
4 LL	Canowindra Phyll U Avoca V Shale Ghost Hill & Mumbil Fms G3[23]	Sm-l	33.6	149 (	17.8 19.1	17 10.2	29.3 28.6	17.3 9.2	4,154 4	B/100 B/100	44.5 47.3	354 357.5	8.7N 5.1N	9.2 4.7	17.9 9.3)			1103
2 LL	Laidlaw and Douro Volcs[94]	Sm-l,ovp	34.7	148.9	329	-22	18.4	10	13,35	B/100	54	271	11.4	7	7	(32.5)	(7)	1910
* LL	Silurian Volcanics ACT[135]	Sm-l	35.3	149.1	218.7	29.6				B/100	50.4	39.8	15.9				14.9	ACTK
* LL	Silurian Volcs, ACT overprint[146]	Sm-l,ovp	35.3	149.1	155.9	13.8			,16	F/0	54.1	285.4	7.0				7.8	ACTK
* LL	Willow Bridge Tuff tip (AYWT PRF)[150]	Sm-l,ovp	34.8	148.9	145.0	12.8	30.8	5.7	,22	F/0	47.1	272.0	6.5	3.0	5.8			ACTK
* LL	Willow Bridge Tuff, Hillgrove (AYWB PRRNF)[150]	Sm-l,ovp	34.4	148.9	139.5	8.9	55.2	5.2	,15	F/0	42.0	268.2	4.5	2.7	5.2			ACTK
* LL	Ainslie Volcs (ACAA-E NLF)[150]	Sm-l,ovp	35.3	149.1	351.0	-9.8	35.4	6.3	,16	F/0	58.5	311.7	4.9	3.2	6.4			ACTK
* LL	Hawkins Volcs (ACHA-C PRF)[150]	Sm-l,ovp	35.2	149.1	327.0	-27.3	28.6	10.5	,8	F/0	53.9	265.7	14.5	6.2	11.4			ACTK
* LL	Hawkins Volcs? (ACHF-H PRF)[150]	Sm-l,ovp	35.2	149.1	337.2	-11.7	45.8	7.2	,10	F/0	54.0	288.2	5.9	3.7	7.3			ACTK
* LL	Hawkins Volcs? (ACHD-E PRF)[150]	Sm-l,ovp	35.2	149.1	333.4	-23.7	22.5	13.0	,7	F/0	56.9	276.0	12.4	7.4	13.9			ACTK

* LL	Uriarra Volcs (ACUC PRB)[150]	Sm-l,ovp	35.3	149.0	328.0	-27.0	32.6	7.7	,12	B/100	54.4	267.0	14.3	4.6	8.4			ACTK
* LL	Mt Painter Volcs? ACBA-D XXF)[150]	Sm-l,ovp	35.1	149.1	340.2	-25.2	209.2	4.6	,6	F/0	51.8	248.9	13.2	2.7	5.0			ACTK
* LL	Mt Painter Volcs (ACMP PRF)[150]	Sm-l,ovp	35.4	149.2	334.6	-32.2	149.6	5.0	,7	F/0	61.2	271.1	17.5	3.2	5.6			ACTK
* LL	Ashfall BMC Quarry (ACCA PRF)[150]	Sm-l,ovp	35.2	149.1	331.6	5.7	15.5	13.5	,9	F/0	43.6	288.1	2.9N	6.8	13.6			ACTK
* LL	Deakin Volcs Tugg FW (ACDV QUF)[150]	Sm-l,ovp	35.3	149.1	314.4	-28.7	23.2	14.2	,6	F/0	44.7	253.3	15.3	8.6	15.6			ACTK
* LL	Deakin Volcs Macarthur (ACMC LTF)[150]	Sm-l,ovp	35.4	149.1	332.3	-35.2	21.1	13.5	,7	F/0	61.6	266.2	19.4	9.0	15.6			ACTK
* LL	Deakin Volcs Monaro HW (ACMA HEF)[150]	Sm-l,ovp	35.4	149.1	356.4	-18.1	17.3	11.3	,11	F/0	63.7	321.1	9.3	6.1	11.8			ACTK
* LL	Deakin Volcs? backyard ACBY L2F)[150]	Sm-l,ovp	35.4	149.3	160.8	-26.3		9.8	,10?	F/0	37.5	305.6	13.9N	5.7	10.6			ACTK
* LL	Mugga Mugga Porph (ACMA PRB)[150]	Sm-l	35.4	149.1	17.2	-19.2	38.8	3.7	,39	B/100	60.1	4.8	9.9	2.0	3.9			ACTK
* LL	Deakin Volcs backyard (ACBY HEB)[150]	Sm-l	35.4	149.3	25.5	-19.8	265.5	2.3	,16	B/100	55.8	18.2	10.2	1.3	2.4			ACTK
* LL	Deakin Volcs backyard (ACBY MAGB)[150]	Sm-l	35.4	149.3	45.7	-22.7	122.6	3.1	,18	B/100	42.5	41.2	11.8	1.7	3.3			ACTK
* LL	Deakin Volcs Macarthur (ACMC XXB)[150]	Sm-l	35.4	149.1	35.8	-22.9	22.0	16.7	,15	B/100	50.1	32.1	11.9	9.1	17.2			ACTK
0 LL	Ainslie Volcs[47]	(Sl-De), Sm	35	149	17	-30		12	4,12	B/100 ?	66	12	16.1	7	13			1826
2 LL	Ainslie Volcs[92]	(De), Sm	35	149	7	-32	33.4	11	7,24	F/0	71	353	17.4	10	10	(38.7)	(10)	1908
0 LL	Igneous rocks ACT[52]	(Sl-De), S?	35.2	149	12.3	-36.5	6.1	20.6	8,40	B/100	71	8	20.3	14	24			1838
0 LL	Mugga Mugga Porphyry[48]	Sl	35	149	26	-30		22	,9	F/0	60	27	16.1	14	24			1827

2 LL	Mugga Mugga Porphyry[66,136]	Sl	35.1	149.4	(2 17	-43 -25	29	7	,17	F/O B	80 63.2	340 7.9	25.0 13.1	6	9)		7)	1857
0 TAS	Eugenana Beds	D, ovp?	41.2	145.9	262	5	6		1,3	F/O	8	53	2.5					1870
4 LL	Snowy River Volcanics HT[7]	De, ovp?	37.4	148.3	340.1	-59.2	25.6	9.7	10,47	B/100	74.3	222.7	40.0	10.9	14.5			486
4 LL	Snowy River Volcanics LT[7,8]	De, ovp	37.4	148.3	10.5	-72.3	26.5	3.2	16,77	F/O	68.7	132.5	57.5	5	5.7			487
2 LL	Bowning Group Volcs[93]	De	34.5	148.8	28	-42	36.8	10	7,25	B/100	64	45	24.2	9	9	(42.3)	(9)	1909
4 LL	Buchan Caves Lst[8,9]	De,ovp	37.5	148.2	27.8 (17.4	-75.6 -74.0	20.2	4 2.5	2,64	B/100 F/O	59.6 64.7	123.3 127.9	62.8 60.2	6.7 4.0	7.3 4.5)			488
4 LL	Cowra Group, Cunninham & Tenandra Fms, Dolerite Intr[24]	De-m,ovp	33.6	149 (	312 320.9	-25.8 -24.4	10 11.2	30.6 28.7	4,42 4	B/100 B/100	42.2 49.2	71.8 258.8	13.6 12.8	17.8 16.5	33 30.7	)		1104
* LL	Goodradigbee Lst overp or prim?[138]	Dm, ovp?	35.2	148.7	357.7	4.9	13.6	10.7	,15	B/100	52.3	324.9	2.5?	5.4	10.8			ACTK
* LL	Goodradigbee Lst overprint[144]	Dm,ovp	35.2	148.7	334.5	67.2	32.2	6	,19	F/O	2.0N	132.6	50.0	8.3	10.0			ACTK
0 LL	Redbeds Murrumbidgee Ser	Dm	34.7	148.8	40.1	-28.6	10	10	1,11	B/100	49.2	40.6	15.3	5	11			1839
* LL	Majurgong Shale Taemas[137]	Dm	34.9	148.8	43.0	-21.0			,6	B/100	44.2	37.8	10.9				13.5	ACTK
* LL	Majurgong Shale (ATMB INTB)[150]	Dm	34.9	148.8	216.8	15.3	22.6	11.1	,9	B/100	46.7	28.8	7.8	8.8	11.4			ACTK
* LL	Majurgong Shale (ATMC INTB)[150]	Dm	35.0	148.8	217.0	-1.9	33.2	16.2	,4	B/100	40.1	20.7	1.0N	8.1	16.2			ACTK
4	Parke Siltstone[125]	Dm	23.6	132.1	2.9	10.6	12.9	14.9	1,9	B/100	60.9	318.1	5.4N	7.6	15.1			6650
4	Hermannsburg/ Ooraminna Sst[124]	Dm-l	24	133	21 (21.5	-6.9 -10.2	35.6 42	21 19.3)	3,24	B/100	61	0.9	3.5 5.1	15.6	15.6		(15.6)	6649
0 TAS	Housetop Granite & therm aureole	Dm-l, ovp?	41.3	145.9	32	-69	8.6	27.6	5,24	F/O	66	94	52.5	39.8	46.9			1873
4 SB	Comerong Volcs[16]	Dm-l	35.5	150	0.4	-38.7	38.8	7.4	11,52	B/100	76.9	330.7	21.9	7.2	7.2	(41.5)	(7.2)	1003
* LL	Dandenong Volcs[137]	Dl	37.8	145.3	9.2	-17.7			3	B/100	60.1	343.8	9.1				9.9	ACTK
* LL	Dandenong Volcs, ovp[137,139]	Dl,ovp	37.8	145.3	156.2	55.2			9	B/100	70.9	234.2	35.7				8.1	ACTK
4 NE	Ellenborough Basalt Comp HT[133]	Dl,ovp?	31.5	152.5	170.2	79.4		11.4	4,11	F/O	49.4	146.2	69.5	20.4	20.4			7559

4	NE	Ellenborough Basalt Comp LT [133]	Dl,ovp?	31.5	152.5	7.6	-79.9		8.2	6,25	F/0	50.7	148.8	70.4	15.4	15.4		(15.4)	7560
4		Reef Complex Canning[15]	Dl	18.3	125.6	42.7	-28.9	61.6	7.8	7,89	B/100	49.1	38	15.4	4.7	8.6			452
*		Canning Basin Reef Complexes[153]	Dl	18.1	125.5	27.5	-19.9	11.0	15.2		B/100 ?	23.2	62.0	10.3			11.9	14.6	ACHE
4		Hervey Group[17]	Dl	33.2	148.5	29.2	-19.3	13.8	15.5	8,56	B/100	54.4	24.1	9.9	8.4	16.2			1031
4		Brewer Congl Comp-C3[128]	Dl	23.9	133.7	224.9	29.1	86.7	6	8,33	B/100	47.1	41	15.6	6.4	6.4	(76.6)	(6.4)	7089
4		Brewer Congl Comp-C2[128,129]	Dl,ovp	23.9	133.7	184.4	74.3	223.2	6.2	,4	F/0	53.1	130	60.7	10.2	11.2			7090
1	LL	Nethercote Basalts	Dl	37	150	4.5	-23.4	29	13.8	7,19	B/100	64.9	340.1	12.2	7.8	14.7			1837
2	SB	Catombal Group[137]	Dl	32.3	148.6	171	-14	33	10	8,66	B/100	(49 49.7	312 314.7	7.1N	8 5.2	8 10.2		(8))	1931
0	LL	Catombal Fm[49]	Dl,ovp	33	149	1	-67	75	5	16,80	F/0	73.3	146.7	49.7	6.9	8.3			1834
2	LL	Yalwal Stage Seds[50]	Dl,ovp?	37	150	15	-64	10	13	,14	F/0	75.8	102.5	45.7	16.5	20.7			1835
2	LL	Mulga Downs Grp	Dl, ovp?	32.8	143.5	42	-67	17.7	8	3,12	B/100	54	96	49.7	11	11		(11)	1953
2	LL	Lochiel Fm[91]	Dl,ovp?	37.2	149.8	355	-11	12	9	12,25	B/100	58	320	5.5	7	7	(16.4)	(7)	1907
3	LL	Lochiel Fm[112]	Dl,ovp?	36.9	149.8	310.4	10	18.1	18.5	5,25	B/100	28	272	5.0N	17.5	17.5		(17.5)	1952
4	SB	Worange Point Fm Characteristic[117]	Dl	36.9	149.9	21.1	-39.6	15.9	10.7	13,63	B/100	67.9	28.6	22.5	10.9	10.9	(15.4)	(10.9)	5722
4	SB	Worange Point Fm Secondary[117,118]	Dl	36.4	149.9	5.6	-72.3	44.8	3.7	34,197	F/0	68	142.1	57.5	6.1	6.1	(17)	(6.1)	5723
2	TFB	Dotswood Redbeds[80]	Dl,ovp	19.8	146.4	195.1	75.1	17.4	8.2	,19	F/0	46.1	135.6	62.0	13.7	15			1878
*	TFB	Silver Hills Volcs (ADSA-D)[150]	Dl-Ce	23.5	147.5	202.3	14.1	76.2	5.3	,11	B/100	63.1	23.8	7.2	2.8	5.4			ACTK
*	TFB	Silver Hills Volcs (ADSA-D) overprint[150]	Cl-Pe?	23.5	147.5	220.2	67.7	28.4	7.0	,16	F/0	48.9	109.1	50.6	9.8	11.7			ACTK
*		Kiah Lst ovp	Dl-Ce, ovp	~31	~151	125.3	83.7	95.6	5.5	9	B/prt	38.0	162.3	77.6				10.0	ALAC
4		Mt Eclipse Sst[116]	Dl-Ce, ovp	22.3	131.3	215.5	82.6	14.3	10.1	16,167	B/75	33.8	121.2	75.4	19.2	19.7			5709

0 LL	Victorian Redbeds[49]	Dl-Ce, ovp	37	147	17	-65			8,40	F/0	73.9	100.8	47.0					1833
*	Mt Eclipse Sst Base hard	Dl-Ce	22.2	131.2	187.4	17.6	50.9	8.5	7	B/100	75.0	340.6	9.0	4.6	8.5			ACTK
*	Mt Eclipse Sst Base soft	Dl-Ce	22.2	131.2	189.0	22.2	41.4	9.5	7	B/100	76.3	351.5	11.5	5.3	10.1			ACTK
*	Mt Eclipse Sst Middle	Dl-Ce	22.2	131.2	192.2	4.7	39.6	12.3	5	B/100	66.9	343.5	2.4	6.2	12.3			ACTK
*	Mt Eclipse Sst Top	Dl-Ce	22.2	131.2	178.0	-10.1	42.2	8.6	8	B/100	62.6	306.8	5.1N	4.4	8.7			ACTK
*	Mt Eclipse Sst overprint[148]	Dl-Ce	22.2	131.2	297.5	85.2	27.2	5.5	,26	B/100	17.6	122.2	80.5	10.8	10.9			ACTK
*	Mt Eclipse Sst overprint[161]	Dl-Ce	22.2	131.2	95.4 93.3	4.6 -3.0			17 17	B/100 F/0	5.8 3.1	221.1 224.1	2.3 1.5N	61.0 54.3	4.6 4.9			ACTK ACTK
2 PNG	Yonkie Dome & Bismarck Granodiorite[96]	C-P?, ovp	6	145	257.6	-27.2	8	25.1	6,11	F/0	10.3	39	14.4	15.3	27.6			1917
* TFB	Star of Hope Fm volcs (BFBH)[150]	Ce	20.6	147.2	352.4	2.6	14.3	18.4	,6	B/100	66.9	307.5	1.3N	9.2	18.4			ACTK
* TFB	Star of Hope Fm volcs (BFBH) overprint[150]	Cm?	20.6	147.2	346.9	-47.6	40.2	12.2	,5	B/100	75.6	202.2	28.7	10.3	15.9			ACTK
* TFB	Star of Hope Fm volcs (BFBH) overprint[150]	Cl-Pe?	20.6	147.2	143.4	80.7	39.0	4.7	,25	F/0	34.6	160.2	71.9	8.7	9.1			ACTK
4	Mt Eclipse Sst Comp-C3[131]	Ce	22.6	132	237.3	37.7	32.2	8.6	10,69	B/100	37.6	52.6	21.1	8.7	8.7	(31.7)	(8.7)	7471
4	Mt Eclipse Sst Comp-C2[131,132]	Ce, ovp	22.6	132	226.7	82.3	68.9	6.2	9,65	F/50	32.1	119.5	74.9	11.9	11.9	(19.7)	(11.9)	7472
2 NE	Goonoo Goonoo Mudstone[77]	Ce	31.5	150.9	102 (24)	72 (84)			2,4	F/0	32	190	57.0					1869
4 NE	Goonoo Goonoo & Merlewood Volcs[126]	Ce	31.3	150.7 (	354 351.4	-15.9 -30.9	8.9 10.9	18.2 16.4)	9,51	B/100 F/0	66.1	315.9	8.1 16.7	9.6	18.7			6680
3 NE	Lower Kuttung Andesites[76]	Ce	32.6	156.5	62	-56			2,12	F/0	40	89	36.6					1868
2 NE	Isismurra & Gilmore Volcs[90]	Ce	32.5	151.4	340	-54	8.2	17	11,23	F/0	73	214	34.5	21	21	(5.7)	(21)	1906
2 NE	Gilmore Volcs[75]	Ce	32.7	151.5	187 (154)	50 (45)	50 (50)	11 (11)	3,8	F/0	84	46	30.8 26.6	10	15			1867

2 LL	Yetholme Adamm[111]	Ce-l	33.5	149.8	359	-46	62.7	9.7	5,34	F/O	84	321	27.4	7.9	12.4			1951
*	Bathurst Batholite	Ce	33.5	149.7	233.4	50.4					45.3	71.9	31.2	6.8	10.2			AWAH
*	Radium Ridge Gr. brec overp[141]	Cm,ovp	30.2	139.3	163.1	66.2	19.2	7.7	,20	B/100	65.7	165.1	48.6				11.5	AMI
3 NE	Paterson Toscanite, U Kuttung Ser[74]	Cl	32.5	151.6	2	-67	300	3	4,12	B/100	73	147	49.7	4	5			1866
0 NE	Kuttung Lavas	Cl	33	151	5	-85		8	5,12	B/100	43	150	80.1	16	16			1825
4 NE	Kullatine Fm Comp HT[133,134]	Cl	31.1	152.5	161.6	-61.4		9.4	4,42	B/100	14.4	319.3	42.5	13.4	13.4		(13.4)	7561
4 NE	Kullatine Fm Comp LT[133,134]	Cl,ovp	31.1	152.5	357.1	-73.8		4	5,46	F/O	61	155.6	59.8	6.9	6.9		(6.9)	7562
4 NE	Werrie Syncline Volcs steep [127]	Cl,ovp?	31.3	150.7	186.3	68.4	14.2	16.6	7,30	B/100	69.2	139.7	51.6	23.6	28			6681
3 NE	Currabubulla Fm[72]	Cl	31.1	150.8	223	82	63	10	5,21	B/100	42	135	74.3	24	24	(11.1)	(24)	1864
3 NE	Rocky Creek Congl[71]	Cl	30	150.3	200	78	79	7	8,32	B/100	51	138	67.0	17	17	(11.5)	(17)	1863
0 NE	Varved Seds, Upper Kutting[41]	Cl	33	151	90	84		6	4,15	B/100	32	165	78.1	12	12			1817
3 NE	Main Glacial St, U Kutting Ser[70]	Cl, ovp?	32.6	151.7	185	79	33	6	5,30	B/100	53	149	68.8	11	11	(50)	(11)	1862
3 NE	U Kuttung Seds Combined[75]	Cl	31	151	201	80	45	5	18,83	B/100	50	140	70.6	9	9	(15.2)	(9)	1865
2 TFB	Percy Creek Volcs	Cl, ovp?	19.8	146.4	244	85.4	19.7	18.2	1,5	B/100	23.3	137.2	80.9	36.4	36.4			1877
* TFB	Cv sequence overprint (AFBA-G, BFBD)[150,151]	Cl-Pe?	20.6	147.1	204.7	77.0	277.7	1.3	,46	F/O	42.5	133.4	65.2	2.3	2.4			ACTK
* TFB	Cv sequence ovpr (BFBE) [150,151]	Cl-Pe?	20.7	147.1	218.6	76.0	100.6	4.8	,10	F/O	40.0	125.8	63.5	8.2	8.9			ACTK
* TFB	Featherbed Volcs (BBFA)[150]	Cl-Pe	16.8	144.4	201.8	74.3	30.9	3.9	,44	F/O	43.5	129.9	60.7	6.4	7.1			ACTK
* TFB	Featherbed Volcs (BBFC)[150]	Cl-Pe	17.3	145.0	213.2	69.7	24.8	6.2	,23	F/O	45.6	117.2	53.5	9.1	10.6			ACTK
* TFB	Featherbed Volcs (BBFD)[150]	Cl-Pe	17.2	144.9	179.0	78.1	19.0	5.4	,39	F/O	40.1	145.4	67.2	9.6	10.2			ACTK

*		Kulgera Dyke swarm overpr[141]	Cl-Pe	25.9	133.1					,13	F/0	30	138	84.0				23.8	ACAM
*		Areyonga region overprint[141,149]	Cl-Pe	24.1	132.3	217.5	72	10.5	7.7	,36	B/100	47.5	102.6	57.0	11.9	13.6			ACTK
*		Ross River reg overprint[141,149]	Cl-Pe	23.6	134.5	206.5	76.5	14	2.9	,178	B/100	45.8	118.1	64.4	5.0	5.4			ACT
*	NE	Merlewood Fm overprint	Cl-Pe, ovp	31.3	150.7	247.8	64.3		1.3	,30	F/0	36.4	97.5	46.1	1.7	2.1			APWS
*		Radium Ridge Diamicte, overp[141]	Cl-Pe, ovp	30.2	139.3	248.2	87.2	19.6	4.2	,62	F/0	33.1	133.9	84.6				6.9	AMI
2	NE	Permo-Carb Volcs combined[98]	Cl-Pe	30	150	220.5	79.5			4,26	B/100	44	132	69.7	26	26			1923
*	NE	Rouchel region overprint[142]	Cl-Pe	32.1	151.1	247.9	77.1	15.3	14.6	8	F/0	38.0	121.8	65.4	25.4	27.2			ACTK
*	NE	Texas Block overprint[142]	Cl-Pe	28.7	151.1	231.0	73.3	40.8	9.6	7	F/0	43.7	117.9	59.0	15.4	17.1			ACTK
*	NE	Coffs Harbour overprint[142]	Cl-Pe	29.7	153.3	253.3	71.2	61.6	9.8	5	F/0	33.4	113.1	55.8	15.0	17.2			ACTK
3	NE	Moonbi Lamprophyre	P	31	151	253	80		11	1,3	F/0	35	128	70.6	20	20			1860
2		Perth Basin Seds[110]	P-J, ovp	29	115	181.2	55.5	140	3.4	14,128	F/0	81.2	108.8	36.0	4.5	4.5	(150)	(4.5)	1939
*		Mnt Leyshon	Pe	20.0	146.3	184.2	77.2					44.3	143.8	65.6	8.8	9.4			ALAC
*	NE	Alum Rocks[143]	Pe	28.5	151.7	304.1	70.1	53.4	2.4	,66	B/100	5.6	122.5	54.1	3.6	4.1			ACTK
4	NE	Werrie Basalts	Pe	31.9	151.0	112.0 138.2	76.7 71.9		18.6 19.5	3,12	B/100	37.3 52.1	181.1 187.4	64.7 56.8	32.1 30.2	34.6 34.3			6682
*		Werrie Basalts	Pe	~31.9	~151.0	158.8	74.4	34.9	11.5	6,32	B/100	57.2	170.3	60.8				20.2	ALAC
1	NE	Lower Marine Basalt[46]	Pe	32.7	151.6	110	80			,4	B/100	38	174	70.6					1824
3	NE	Lower Marine Basalt[63]	Pe	32.7	151.6	230	76	167	4	1,6	B/100	46	122	63.5	6.8	7.4			1853
3	NE	Basalt dyke H13, baked contacts[69]	Pe	32.7	151.8	305	73	34.5	8	1,11	F/0	12.1	125.9	58.6	12.7	14.3			1861
*	NE	Terrica Beds (O2+OV)[150]	Pe-m	28.5	151.5	243.6	65.9	15.9	4.5	8,68	F/0	38.0	102.1	48.2	5.9	7.3			ACTK

3	SB	Gerringong Volcs (Upper Marine Latites)[62]	Pl	34.6	150.8	232	81	26	6	11,43	F/0	44	132	72.4	11	11			1852
2	SB	Gerringong Volcanics[45]	Pm	34.7	150.8	67	81		11	3,19	B/100	27	169	72.4	21	21			1823
*	SB	Gerringong Volcs	Pl	34.6	150.8	242.0	81.7	53.1	3.7	,29	B/100	40.8	131.8	73.7	6.9	7.1			AJWG
*	SB	Broughton Fm,ovp	Pl,ovp	34.6	150.8	7.9	-76.6	79.9	2.8	,34	B/100	59.7	144.1	64.5	4.7	5.1			AJWG
*	SB	Kiama Sst,ovp	Pl,ovp	34.6	150.8	89.6	-78.5	66.9	5.6	,11	B/100	31.9	124.5	67.9	9.8	10.5			AJWG
*	SB	Newcastle Coal Mesures[150]	Pl	33.0	151.7	64.7	-78.3	50.0	3.8	30,	B/100	39.8	124.9	67.5	6.7	7.1			ACTK
*	SB	Bong Bong Sill	Pl?	34.6	150.8	127.8	-86.2	329.4	2.7	,10	B/100	29.8	144.0	82.4	5.2	5.3			AJWG
*	TFB	Lizzie Creek Volcs (AFLA-D)overprint?[150]	Pe-m?	20.5	147.7	186.6	80.9	57.6	4.6	,19	F/0	38.2	145.1	72.2	8.6	8.9			ACTK
*		Moonbi pluton[154]	Pl-Tre	31.1	151.0	288.0	86.2		4.5	7	F/0	28.4	142.9	82.4	8.9	8.9			ASUN
*		Walcha Road pluton[154]	Pl-Tre	31.0	151.6	205.9	87.5		13.5	4	F/0	35.6	148.5	85.0				2.5	ASUN
*		Moonbi & Walcha Road plutons[154]	Pl-Tre	31.0	151.6	268.5	87.3		4.7		F/0	31.0	144.9	84.6				9.1	ASUN
*		Hornfels Moonbi pluton[154]	Pl-Tre	31.1	151.0	122.3	87.3		5.7	19	F/0	33.2	156.9	84.6				10.8	ASUN
*		Hornfels Walcha Rd pluton[154]	Pl-Tre	31.0	151.6	2.9	-83.5		9.6	7	F/0	43.2	150.8	77.2				18.4	ASUN
*		Hornfels Moonbi & Walcha Rd plutons[154]	Pl-Tre	31.1	151.0	330.6	-86.8		4.7	26	F/0	35.9	155.3	83.6				9.0	ASUN
4	NE	Dundee Rhyodac Dundee Mass[120]	Pl-Tre	29.3	151.9	281.5	82.8	38	6.5	14,39	F/0	25.8	136.3	75.8	12.4	12.7			6618
4	NE	Dundee Rhyodac Bolivia Mass[121]	Pl-Tre	29.3	151.9	163.5	86	156	3.3	13,40	F/0	36.9	154.8	82.0	6.5	6.5			6619
4	NE	Dundee Rhyodac Tenterfield[121]	Pl-Tre	29.1	152.1	194	85.2	287	4	6,22	F/0	38.3	149.2	80.5	8	8			6620
3	SB	Milton Monzonite Porphyry[65]	Pl-Tre	35.3	150.5	85	81	57	12	4,9	F/0	32	170	72.4	24	24			1855
3	SB	Milton Monzonite Comp-A[12]	Pl-Tre, ovp?	35.3	150.4	59.9	78.3	331.3	3.6	6,39	F/0	22.1	170.9	67.5	7	7	(100)	(7)	239
3	SB	Milton Monzonite Comp-B[13]	Pl-Tre, ovp	35.3	150.4	347.6	-79	238.8	5.9	4,26	F/0	55.2	158.2	68.8	10.6	10.6	(75)	(10.6)	240

* SB	Milton Monzonite	Pl-Tre	35.3	150.4	75.9	82.8	276.4	1.1	,58	B/100	30.8	166.5	75.8	2.2	2.2			AJWG
2 SB	Illawarra Coal measures & Narrabeen Group[21]	Pl-Tre	34.4	150.7	56.8	-88.5	31.6	16.6	4,7	B/100	36	147.6	87.0	33.1	33.2			1425
2 SB	Narrabeen Chocolate Shales[57]	Tre	34	151	338	-82	100	7	4,32	B/100	49	160	74.3	14	14			1847
3 SB	Munmorah Congl & Patonga Clayst Comp-HT[10]	Tre	33.5	151.5	125.5	-87.5	230.8	3.9	7,94	F/0	30.4	146.9	85.0	7.8	7.8		(7.8)	1096
3 SB	Munmorah Congl & Patonga Clayst Comp-LT[10,19]	Tre, ovp	33.5	151.5	10.2	-77.1	642.9	1.9	10,107	F/0	57.3	143.4	65.4	3.6	3.6		(3.6)	1097
2	Brisbane Tuff[57,60]	Trm	27.5	153.5	11	-74	146	6	6,12	F/0	57	143	60.2	10	11			1850
4 NE	Werrikimbe Volcs[123]	Trl	31.3	152.3	100.8	75.1		14.9	6,44	F/0	31.6	185.3	62.0	26.6	26.6		(26.6)	7563
2	Brown Clays, Sprinfield Basin	Trl	32.5	138.5	98.4	75.3	26.3		1,6	B/100	32.3	169.9	62.3	23.8	23.8		(23.8)	1975
2	Brisbane Tuff[43]	Trl, ovp	27.5	153.5	35	-83			4,12	B/100	39	143	76.2					1822
4 SB	Luddenham dyke Comp-HT	J	33.8	150.7	291	-77		2	1,6	F/0	39	181	65.2	4	4			1767
4 SB	Luddenham Dyke Comp-LT[39]	J, ovp	33.8	150.7	313	-85		5	1,6	F/0	40	160	80.1	10	10		(10)	1768
3 SB	Kulnura Sill	J-K, ovp	34	151	32	-62	352	2.9	,8	F/0	63	91	43.2	3.5	4.5			1595
4 SB	Kiama Dykes[122]	Je	34.6	150.8	331.9	-77.1	102	7.6	5,24	F/0	55	170.6	65.4	14	14	(30.8)	(14)	6621
2	Gibraltar Syenite[54]	Je	33.8	150.8	27	-86	9	12	2,10	F/0	41	146	82.0	24	24			1842
2	W. Victoria Basalt Belt[105]	Je	37.3	141.4	300.9	-75.3	37.6	11.1	6,36	F/0	47	178	62.3	18	18	(11.1)	(18)	1935
2	Garrawilla Volcs Noombi Extrus[109]	Je	31	150	315.9	-76.7	52		14,36	F/0	46.1	175.2	64.7	10	10		(10)	1938
0	Tasmanian Dolerite[56]	Je-m	42	147	319	-84	111	3	51,132	F/0	51	160	78.1	6	6			1846
2	Tasmanian Dolerite[56,113]	Je-m	42	147.5	303.6	-79.2	120.5	2.9	21,42	F/0	50.7	174.5	69.1	5.2	5.2		(5.2)	1960
3 SB	Luddenham Dyke	Je-m	33.9	150.7	314	-79	30	12	1,7	F/0	47	173	68.8	23	23			1845
3 SB	Sydney Basin Dykes[34]	Je-m	34	151	319.9	-75.8	999.9	2.7	4,29	F/0	52.3	178.3	63.2	5.1	5.1	(324.4	5.1)	1593

2	Gingenbullen Dolerite[53]	Je-m	34.4	150.3	191	80	23	8	1,8	F/0	53	144	70.6	15	15			1841
2	Gingenbullen, Prospect, Gibraltar, Glenrowan Intr[100]	Je-m	33.7	150.4	314.2	-72.4	98.4	6.8	6,35	F/0	51	186.1	57.6	10.9	10.9	(38.2)	(10.9)	1937
2	Tasmanian Dolerite[107]	Jm	42	147	331.8	-83.9	48		33,69	F/0	52	156.3	78.0	6.6	6.6		(6.6)	1936
4 SB	Prospect Dolerite HT	Jm	33.8	150.9	322.1	-74.9	169.8	3.7	10,59	F/0	53	179.6	61.7	6.4	6.4	(57.1)	(6.4)	84
2	Prospect Dolerite[55]	Jm	33.8	150.8	359	-81	28	7	3,10	F/0	51	151	72.4	13	13			1843
0	Tasmanian Dolerites[43]	Jm	42	147	325	-85	48.2	3.5	30,60	F/0	50	157	80.1	7	7			1820
1	Red Hill Dyke[61]	Jm	43	148	294	-75	70	7	8,37	F/0	47	186	61.8	12	13			1851
4 SB	Prospect Dolerite LT[3]	Jm,ovp	33.8	150.9	9.7	-74.5	35.3	8.2	10,59	F/0	60.7	142.4	61.0	13.4	13.4	(13.9)	(13.4)	85
3 SB	Hornsby Breccia Comp-A[10]	Jm-l	33.7	151.1	72	83	267.4	3.8	7,31	F/0	28.7	165.8	76.2	7	7	(75)	(7)	237
3 SB	Hornsby Breccia Comp-B[11]	Jml-l, ovp	33.7	151.1	13	-75.5	300.8	2.3	13,71	F/0	59.1	139.4	62.7	4.2	4.2			238
3 SB	Hornsby Breccia[33]	Jm-l, ovp?	33.7	151.1	29	-62	191	4.8	,6	F/0	66	92	43.2	5.8	7.4			1592
2	Kangaroo Island Basalt[105]	Jm	35.6	137.5	288.9	-67.3	55.7		2,20	F/0	39	183	50.1	11	11	(10.2)	(11)	1934
4 SB	North Bondi Volc Neck Comp-HT[37]	Jl	33.9	151.3	325	-74		4	1,6	F/0	55	180	60.2	7	7		(7)	1765
2	Bendigo Dykes[104]	Jl	37	144.3	37.6	-82.9	19.1	21.6	4,26	F/0	47	135	76.0	39	39	(6.5)	(39)	1933
4 SB	North Bondi Volc Neck Comp-Lt[37,38]	Jl, ovp	33.9	151.3	10	-79		5	1,6	F/0	55	145	68.8	10	10		(10)	1766
4 SB	Dundas Breccia Pipe HT	Jl-Ke	33.8	151.1	97.7	69.5	181.8	9.1	3,10	F/0	30.7	194.8	53.2	15.7	15.7	(62.8)	(15.7)	86
4 SB	Dundas Breccia Pipe LT	Jl-Ke	33.8	151.1	345.7	-76.7	40.8	19.5	3,11	F/0	57.7	162.1	64.7	35.6	35.6	(13)	(35.6)	87
4 SB	St Mary's Breccia Pipe[2]	Jl-Ke	33.8	150.8	2.3	-83.9	600	3.9	4,24	F/0	45.9	150.1	77.9	7.6	7.6	(146.3	7.6)	83
3 SB	St Mary's Breccia[32]	ovp, Kl?	34	151	14	-81	960	3.3	,21	F/0	51	144	72.4	6.1	6.4			1591

4	SB	Marsden Park Breccia Pipe[1]	Jl-Ke	33.7	150.0	43.6	-78	228.6	3.4	9,36	F/0	48.1	127.2	67.0	6.2	6.2	(69.3)	(6.2)	82
*		Gosses Bluff Impact struct[179]	~130-140 Ma	32.8	132.3	86.6	71.5				F/0	25	170	56.3					MIL
*		Gosses Bluff Impact struct[180]	~140 Ma	32.8	132.3	63.1	70.7				F/0	13	164	55.0				4	HH
3		Erskine Park Sill	Jl-Ke	34	151	184	-84	81	4.8	,12	F/0	23	151	78.1	9.3	9.4			1594
3		Otway Group[4]	Ke	38.4	144.2	344.5	84.2	359.9	1.8	18,25	B/100	48.9	148.7	78.5	3.6	3.6	(97.3)	(3.6)	137
2		Noosa Heads Intrusions[59]	Ke	26.4	153.1	51	-79	48	13	4,10	F/0	36	132	68.8	24	25			1849
2		Cygnet Alkaline Complex[115]	Ke	43.2	147.1	314	-85	776	5	15,45	F/0	50	158	80.1	10	10			1973
2		Bunbury Bas[103]	Kl	33.4	115.6	309.7	-69.1	142	6.4	5,54	F/0	49	161	52.6	10	10	(57.1)	(10)	1932
3	SB	Mt Dromedary Intrus Complex[58]	Kl	36.3	150	19	-79	47	5	22,55	F/0	56	138	68.8	9	9			1848
2	PNG	Bauine Granodiorite	Kl	7.2	146.7	213	-6	2		5,11	F/0	55	40	3.0N					1916
4		Weath prof NE	Kl-Tpa	30.5	151.5	208.8	69.5		6	7,53	F/0	59.2	117.2	53.2	9.1	9.9			1964
2	PNG	Gabbro, Sapphire Creek	T	9.4	147.3	45	12	3		2,5	F/0	42	40	6.1?					1913
2	PNG	Lower Edie Porphyry	T	7.3	146.7	334	-30	37	15	4,6	F/0	63	216	16.1	9.6	16.6			1914
2	PNG	Kwikla Volcs	T	9.4	147.6	303	-18	3		3,4	F/0	34	235	9.2					1915
3		North Rankin 1 Drillcore[6]	Tpa	19.6	116.1	358.4	-66.2		5.9	20,20	F/0	61.7	118.4	48.6	3.3	8			141
3	SB	Mogo Hill Intr[36]	Tpa	33.2	151.1	249	84	41	6.8	,12	F/0	37	138	78.1	13.2	13.4			1597
3		Older Volcanics[64]	Tpa-e	38	145.5	10	-77	15.5	9	20,50	F/0	63	140	65.2	16	16			1854
0		Older Volcanics	Tpa-e	38	145.5	17	-72.9	35	6.8	15,45	F/0	66.8	122.7	58.4	10.8	12.1			1819
2		Barrington Nerriga older volcs comb[102]	Tpa-e	35	150	12	-70.6			46,143	F/0	68.5	130.9	54.8	5.2	5.2	(17.2)	(5.2)	1927
2		Morney Weath Profile	Tpa-e	27	141.5	17.8	-68.3		2.4	,37	F/0	58.8	118	51.5	3.8	3.8	(36)	(3.8)	1972
4		Browns Creek Fm[130]	Te	38.8	143.4	238	-72.4	262.7	1.6	33,66	B/100	65.5	112.5	57.6	2.5	2.5	(99.9)	(2.5)	7097

3 SB	Peat's Ridge Basalt[35]	Te	33.3	151.2	208	63	333	2.1	,14	F/O	66	98	44.5	2.6	3.3			1596
3 SB	Peat's Ridge Basalt[35]	Te	33.3	151.6	190	69	132	6	1,5	F/O	70	134	52.5	9	10			1844
2	Peat's Ridge Basalt[35]	Te	33.3	151.2	193	71	161	5.6	1,5	F/O	66	134	55.5	8.5	9.8			1969
3 SB	Mogo Hill Basalt[14]	Te, ovp?	33.2	151.1	241	80.7	120.9	4.7	9,44	F/O	40.6	130.2	71.9	8.6	8.6	(36.4)	8.6)	241
4 SB	Woy Woy South Basalt[40]	Te	33.5	151.3	45	-63		4	4,16	F/O	54	93	44.5	6	6		(6)	1769
2	Barrington Volc[83]	Te	32	151.4	193	65.5	48.5	3.6	33,66	F/O	70.5	125.6	47.7	5.3	5.3		(5.3)	1892
3	Tertiary Basalt NSW	Te-o	32.5	151	190	70	16	14	8,37	F/O	63	137	54.0	20	20	(8.9)	(20)	1840
0	Tasmanian Basalts	Te-m	42	147	12	-72	29	17	4,8	F/O	73	125	57.0	25	29			1821
3	Point Addis Lst	To	38.4	144.3	16.5	71.8	130.6	2.9	20,34	F/O	68.4	119.7	56.7	4.8	4.8	(47.8)	(4.8)	138
2	Liverpool Volc[82]	To	31.7	150.2	200.4	59.2	45.5	3.5	36,72	F/O	71.1	95.5	40.0	4.8	4.8		(4.8)	1891
2	Liverpool, Springsure older volcs comb[101]	To	35	150	24.9	-62.5			52,162	F/O	68.9	92.4	43.9	4.3	4.3	(22.5)	(4.3)	1926
2	Canaway Weath Profile	To	27	143	9.8	-59.1		5.2	,10	F/O	74.1	115.1	39.9	6.6	6.6	(45.7)	(6.6)	1971
2	Ferruginized Seds, Bredbo, Bunyan	To-p	36.1	149.1	354	-65	999.9	4.7	2,19	F/O	78.2	169.5	47.0	6.1	7.6			1153
2	Kangaroo Island laterite	Tm	36	137	183.2	56.2	88		,8	F/O	86.9	76.9	36.8	8.4	8.4		(8.4)	1974
3	Port Campbell Lst	Tm	38.7	143.1	6.1	-67.3	89.7	2.8	30,48	F/O	77.2	123.5	50.1	4.2	4.2	(40.7)	(4.2)	139
4	Hematised Hawkesbury Sst[29]	Tm	33.6	150.6	5.4	-58.5	472.3	1.9	13,118	F/O	82.9	114.4	39.2	2.1	2.8			1154
3	Lavas,dykes SE Qld[67]	Tm	27	152.2	13	-49	25	9	12,68	F/O	78	80	29.9	8	12			1858
2	Nandewar Volc[81]	Tm	30.3	150.2	192.4	53	43.1	3.7	34,68	F/O	78.5	84.3	33.6	4.5	4.5		(4.5)	1890
2	Tweed, Main Range comb[100]	Tm	30	150	10.3	-58.7			75,278	F/O	77.4	110.9	39.4	4.1	4.1	(17.1)	(4.1)	1925
2	Tweed & Main Range Volcs[100]	Tm	28.2	153	192.4	58.2	38.2	3.1	56	F/O	74.2	114.8	38.9	4.1	4.1		(4.1)	1970

2	Warrambungle, Nandewar comb[99]	Tn	32	150	12.5	-51.9			51,149	F/9	79.4	66	32.5	4.2	4.2	(23.5)	(4.2)	1924
2	Red clays, Sprinfield Basin	Tm,ovp	32.5	138.5	188.8	57.4	125		6,37	F/0	80.4	90.5	38.0	8.4	8.4		(8.4)	1976
2 PNG	Volcanics PNG, N-Group	Tm-p	4	147	6.4	-2	13.8	16.8	7,14	F/0	82.6	27.8	1.0	8.4	16.8			1911
2 PNG	Volcanics PNG, W-group[95]	Tm-p	3.2	147.5	264.1	-10.2	4.3	29.9	8,18	F/0	5.5	52	5.1	15.2	30.2			1912
3	Werriko Lst & Newer Volcanics[5]	Tp	38	142.5	5.4	-61.2	84.2	4.4	14,58	F/0	83.2	103.6	42.3	6.2	6.2	(42.5)	(6.2)	140
0	Newer Volcanics[42]	Tp-Qr	38	143.5	3.4	-59.8	37	4.8	32,125	F/0	86.3	102.1	40.7	5.5	7.2			1818
2	Newer Volcanics[68]	Tp-Qr	38	143.5	350	-56	56	6	11,33	F/0	83	236	36.6	8	8			1859
2	Newer Volcanics[42,85]	Tp-Qr	38.3	143.5	3.9	-59.2	82	1.5	46,133	F/0	86.6	86.3	40.0	1.9	1.9	(50)	(1.9)	1897
2 PNG	Basalts, PNG[96]	Qr	4	150	0	-16	21	6.5	22,44	F/0	86	150	4.2	3.4	6.7			1899
4	Mt Schank Volcs[28]	Qr	38	140.7	9	-55	999.9	1.6	1,8	F/0	82	36	35.5	1.6	2.3			1148
4	Mt Gambier Volcs[27]	Qr	38	140.7	357	-57	323	1.9	2,18	F/0	88	232	37.6	2	2.8			1147
2	Abor Firepl[114]	Qr	34	144	353.7	-56.1	78.9	5.1	11,43	F/0	84.2	203.8	36.7	5.3	7.3			1963

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1 Mid-Cretaceous overprint analogy with Hornsby Breccia Pipe
2 Mid Cretaceous overprint similar to Marsden Pipe RESULTNO 82
3 Mid-Cretaceous overprint
4 Fission track age 103-126 Ma
5 RESULTNO 1897 combined herein
6 Mid Palaeocene
7 Probably a mid-Carboniferous overprint. Note D/B states late folding in Dm, this should read latest field evidenced folding in Dm.
8 Listed as Cl overprint, could also be Kl Tasman Sea rifting-related overprint
9 Overlies Snowy River Volcanics. Fails foldtest, same overprint as Snowy River Volcs RESULTNO 487 Note D/B gives bedding corrected result, but states this to be in geographic coordinates
10 Maximum age Je, probably Jl
11 Magnetic age of 80-100 Ma suggested from other overprints in the region
12 K-Ar age 245 Ma, intrudes mid-Permian Upper Marine Series, probably a Triassic overprint
13 Overprint, probably 80-100 Ma, see previous RESULTNO 1855
14 K-Ar whole rock age 57.5±0.9 Ma. Low Curie temperature suggests secondary overprint. Includes results from REFNO 1239, RESULTNO 1597
15 Frasnian to Famennian
16 Givetian-Frasnian, co-magmatic with Monga Granite Rb-Sr 371±6,376±6 Ma. Some uncertainty about kink-band correction
17 Famennian, Dispersion increases slightly upon bedding correction. Negative foldtest, but primary origin argued on basis of magnetic fabric data
18 Unit-weight given to each polarity interval
19 Late Cretaceous overprint
20 Full details in REFNO 1613
21 Post-folding overprint, D/B indicates this as Silurian
22 Folding during Benambran Orogeny? Se-m. Full details in REFNO 1613, Pre-Se-magnetization
23 Full details in REFNO 1613. Magnetization pre-De according to D/B
24 Full details in REFNO 1613. Probably middle Carboniferous overprint. Recalculated data (CTK) provided between brackets)
25 Overprints ROCKUNITS 913-916. De-m overprint according to D/B. Full details in REFNO 1613
26 Overprints ROCKUNITS 913-917, See REFNO 1613 for details, Cretaceous overprint suggested in D/B
27 C14 ages 4830±70, 1410±90 yrs BP

28 C14 ages 18100±350 yrs BP
29 Folded hematised sediments. Miocene hematisation
30 Underlain by Lower Ordovician uppermost Chazyan-Trentonian. Late Cretaceous overprint
31 Drillcore results, how oriented?
32 Age deduced from magnetization direction, apparently Late Cretaceous signature, Subsequent study by Schmidt & Embleton quotes earlier age
33 Secondary magnetization of Cl age?
34 Barrenjoey (K-Ar age 171±3 Ma), Collaroy, Michinbury, Luddenham dykes. Includes data from RESULTNO 1845. Baked sediments at Barrenjoey and Collaroy agree with sill
35 K-ar whole rock age 48.6±0.8 Ma
36 K-ar whole rock age 57.5±0.9 Ma. Includes RESULTNO 241, REFNO 1238
37 K-ar whole rock age 151±3 Ma
38 Cretaceous overprint
39 Probably Late Cretaceous 80-100 Ma
40 K-Ar wr age 46.9±0.9 Ma
41 Seaham Fm? Indication of positive foldtest from diagram
42 K-ar ages 0.5-4.5 Ma
43 K-Ar age 174±8 Ma. See also REFNO 362
44 Probably a Late Cretaceous overprint, Note that result is bedding corrected!
45 Note in this early study the name Gerringong Volcanics is used rather than Upper Marine Latite in Irving and Parry's subsequent study
46 Current nomenclature? AF-pilots only!
47 Current age control Sm. Probably no bedding correction applied, Goleby's MSc thesis carries out bedding correction. See Klootwijk (unpublished)
48 Note no bedding correction, although there is clearly bedding control in the quarries. See Goleby's MSc thesis and Klootwijk (unpublished)
49 Present field overprint
50 Supposedly present field overprint
51 Duro Porphyry in D/B, is this the Douro Volcanics? Is this a Kanimblan overprint?
52 Unclear what these rocks are. Includes data from RESULTNO 1826,1827
53 K-Ar age 176 Ma
54 K-Ar hornblend age 182 Ma
55 K-Ar biotite age 172 Ma
56 K-Ar age 174.5±8.0 Ma. Previous result in RESULTNO 1820
57 Subhorizontal
58 K-Ar age 95 Ma
59 Noosa Heads intrusions
60 Previous results in RESULTNO 1822
61 K-Ar age 174 Ma
62 K-Ar age 249,257 Ma
63 Current nomenclature? Previous result in RESULTNO 1824
64 See also REFNOS 1003,1004, RESULTNO 1819
65 K-Ar age 245 Ma, possible tilt 15 degrees WSW
66 Rb-Sr age 414 Ma, Note no bedding correction applied, despite good bedding indication in quarries
67 K-ar ages 22-25 Ma, see REFNO 355
68 K-Ar ages 05-4.5 Ma. See previous RESULTNO 1818
69 Considered feeder to Lower Marine Basalt
70 Folding pre-Triassic, probably Permian. See Previous RESULTNO 1817. This looks like a Kiaman overprint. Positive foldtest though.
71 Folding pre-Triassic, probably Permian
72 Folding pre-Triassic, probably Permian, previous results in RESULTNO 1817
73 Folding pre-Triassic, probably Permina. Previous RESULTNO 1817, combined RESULTNOS 1862/3/4
74 K-Ar age 304 Ma. Note current SHRIMP age 328 Ma
75 K-Ar age 306 Ma. Viseanl Compare with current SHRIMP control. Note no bedding correction applied. Bedding corrected results between brackets, same dispersion!
76 Are these the intrusive bodies in the Merlewood Fm. K-Ar age 306 Ma. Visean age.
77 Tournaisian. Bedding corrected direction between brackets
78 Rb-Sr, K-Ar ages 375±10 Ma
79 Early Tertiary (Late Cretaceous?) remagnetization
80 Overlies Givetian, underlies Famennian beds. Remagnetized during Kiaman.
81 K-Ar age 18.0±0.3 Ma
82 K-Ar age 34.5±0.7 Ma
83 K-Ar ages 52.8±0.7 Ma
84 Subhorizontal
85 Supersedes previous results in RESULTNO 1818, 1859
86 Baluan, Karkar, Lolobau Islands, New Britain
87 Subhorizontal, suprsedes RESULTNO 1893

88 Supersesed by RESULTNO 6648. Possibly Tertiary overprint
89 Late Llanvirnian to Llandeilo
90 Visean. Includes results from RESULTNO 1867. No bedding correction applied, thus cannot be taken very seriously!
91 Formerly Nethercote Basalts & Yalwal Stage sediments. Includes results from RESULTNO 1835,1837
92 Listed in D/B as subhorizontal, this is not the case!. Age is Sm, not De as listed. Supersedes? RESULTNO 1826
93 Gedinnian age
94 Wenlock to Ludlow age
95 Declination, no doubt the result of large-scale counterclockwise rotation, see Klootwijk et al. 1996?
96 Miocene overprint? See klootwijk et al. (1996)
97 Subhorizontal
98 Combined RESULTNO 1865,1860,1866,1877. In hindsight such a combination is not warranted
99 15-20 Ma basalts combined. Includes data in RESULTNO 1840,1890
100 20-25 Ma results combined. Includes data from RESULTNO 1858,1970
101 Includes RESULTNO 1854 & 1891
102 Combined results for 40-60 Ma. Includes data from RESULTNO 1840, 1854, 1892
103 K-Ar ages 90±4, 91±4,93±3,103±5 Ma
104 K-Ar ages 149±4, 158±4 Ma
105 K-Ar ages 168±4, 166±4, 178±4 Ma
106 K-Ar age 194 Ma
107 K-Ar age 174.5±8 Ma. Supersedes RESULTNO 1846
108 K-Ar ages 172-185 Ma. Supersedes RESULTNOS 1841-1843
109 K-Ar age 197±10 Ma (Garrawilla Volcs)
110 Late Oligocene to Early Miocene lateritisation
111 Rb-Sr age 318-317 Ma, K-Ar age 309-312 Ma. See REFNO 724 for correction to calculation in paper
112 Supersedes RESULTNO 1907
113 Regarded as primary results, supersedes RESULTNO 1936
114 C14 ages 0-6140 yrs
115 K-Ar age (average of 3) 105 Ma
116 Ngalia Basin, Famennian to Lower Carboniferous (Visean), Overprint during Alice Springs Orogeny, 320±20 Ma
117 Famennian. middle Carboniferous folding. No improvement in dispersion upon bedding correction
118 Overprint age, middle Cretaceous suggested, could be Late Carboniferous
119 Overlain by Upper Silurian sediments, see also REFNO 2525
120 K-Ar age of 247 Ma cited
121 CRM from vitrification associated with 243 Ma pluton
122 Dykes intrude Late Permian Gerringong Volcanics. K-Ar age of 200 Ma cited
123 Supersedes RESULTNO 1904. Slight improvement in dispersion upon bedding correction
124 Pertnjarra Group, Late Middle to Early Late Devonian. Dispersion increases slightly upon bedding correction. Uncorrected result also given
125 Pertnjarra Group. No Improvement in dispersion upon bedding correction
126 Tournaisian to Visean. Slight increase in disperison upon bedding correction, both results shown. Results shown in D/B differ from results published by P.W.Schmidt (geographic coordinates 353.8, -30.7, α95 8.3; stratigraphic coordinates 356.6,-15.4,α95 8.8)
127 Currabubulla Fm, Coepolly Conglomerate, Merlewood Fm overprint, all steep results in P.W. Schmidt 1998. Results by P.W. Schmidt are quite different from results given in D/B (geographic coordinates 247.8,64.3,α95 1.3; stratigraphic coordinates 171.5,67.9, α95 4.8)
128 Famennian
129 Overprint of Alice Springs Orogeny origin, 320±20 Ma
130 Late Eocene. No improvement in dispersion upon bedding correction, uniform dip
131 Early to Middle Visean. Includes data from REFNO 2876
132 Middle to Late Carboniferous overprint
133 Hastings block has rotated
134 Late Namurian age
135 Mean pole position of studies on Narrabundah ashflow to Laidlaw Volcanics succession. Direction determined from pole position
136 Bedding correction of Briden's (1966) result after Goleby (1981)
137 Pole position recalculated from original data.
138 Probably an Early to Midlle Carboniferous overprint
139 Probably Mid Carboniferous overprint
140 Direction recalculated from pole position
141 Obtain REFNO from D/B
142 Preliminary result to be updated
143 Result interpreted as partial rotation upon orocline formation
144 Overprint of uncertain age, could be Permian?
145 Cambro-Ordovician boundary sequence. Add D/B entry if any?
146 Late Devonian overprint?
147 Middle Carboniferous overprint? Recalculated pole position between brackets.

148 Late Carboniferous overprint ~ 320 Ma
149 Early-Middle Cambrian succession
150 Preliminary result
151 SHRIMP ages 305-290 Ma
152 K-Ar age of 486 Ma, Rb-Sr of 487±5 Ma and Nd-Sm of 489±10 Ma are quoted. Direction could be interpreted as Tabberaberan overprint
153 Late Frasnian-Early Famennian. Complement information from original paper.
154 Rb-Sr age Walcha Road Adamellite 247 Ma, Moonbi Adamellite 248 Ma
155 Possibly Kungurian age according to Lennox (pers. comm., 1996, after Briggs), but more likely Fauna I age.
156 K-Ar ages on two dykes 551,552 Ma, third dyke 750,746 Ma
157 Overlies Aroona Creek Limestone and Wirrealpa Limestone
158 Early Lower (sic!)Cambrian
159 Late Early to early Middle Cambrian
160 Identified as Delamarian overprint (CBl-Oe), could well be Kanimblan overprint (Ce)
161 Possible Cm-l overprint, see Martins Creek Andesite and overprints previously identified as Delamarian
162 Late Early Cambrian
163 Alice Springs Orogeny overprint, In D/B stated as Dl-CE, should be Cl
164 Early Upper (sic) Cambrian in age
165 Stated as Early Tertiary remagnetization, why not Late Cretaceous?
166 Flatlying, remagnetized in Late Tertiary
167 Unconformably overlies sediments dated at 640±42 Ma (Early Cbl)
168 Supersedes RESULTNO 1828 (Elder Mtn Sandstone)
169 Equivalent of Billy Creek Formation
170 Uraniferous breccia horizon, U-Pb age 650±100 Ma, with lead loss at 280±40 Ma
171 Slightly negative foldtest
172 Possible equivalent of Sturtian Tillite
173 Component WV-3: Delamarian or Kanuimblan overprint, WV-1 looks like a Kiaman overprint, but bedding corrected. Rb-Sr age 830±50 Ma.
174 Yudnamutana Subgroup, Umberatana Group- Sturtian glacials. Component MT-3 Delamarian or Kanimblan overprint. MT-2 Late Cretaceous or Permian overprint.
175 Base Louise Downs Group, base upper glacial succession. Overlain by Yurambi Fm and then the McAlly-Timperley shale with a Rb-Sr age of 651±45 Ma.
176 Basalt and melaphyre overlying Sturtian Tillite. Chambers Bluff Volcanics, unofficial name. Indulkana Range, Officer Basin. Results WP2+WP3 combined.
177 King Island volcanics considered lower Cambrian in age. Dykes probaly associated with these volcanics.
178 Data reproduced by McWilliams (1977) from Schmidt (1976)
179 Data published in paper on Gosses Bluff Impact structure by Milton et al. (1972)
180 Unpublished data on Gosses Bluff impact structure by Henry Halls (1980) reported in Schmidt and Embleton 1981

Additional data sources: AMMW= McWilliams (1977); ARK= Ripperdan and Kirschvink, (1992); APWS= Schmidt (1988); Schmidt et al. (1993); ACTK= Klootwijk, unpublished; ACHE= Chen et al., (1995); ALAC= Lackie pers. comm., 1994; ACAM= Camacho et al., (1991); AJWG= Giddings, unpublished; ASUN= Sunate (1993); AWAH= Wahyono (1992).

Tectonic unit legend: LL= Lachlan Fold Belt; NE= New England Fold Belt; PNG= Papua New Guinea; SB= Sydney Basin; TAS= Tasmania; TFB= Tasman Fold Belt

TABLE 1.2 AUSTRALIA MEAN POLES (N>2, EP95<40)

CAMBRIAN - RECENT

SITE					DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
	Cbe >525 Ma Volcanics	>525 Ma	35.3	149.1	208.4	-7.0			3	B/100	35.4	10.8	3.5N			11.5	38.2	
	Cbe <525 Ma alt	<525 Ma	35.3	149.1	218.8	-10.4			3	B/100	35.5	19.1	5.2N			157.9	9.8	
	Cbe <525 Ma	<525 Ma	35.3	140.1	229.4	-20.6			4	B/100	24.6	24.2	10.6N			10.5	29.7	
	Cbm	Cbm	35.3	149.1	224.5	-16.1			3	B/100	29.6	22.0	8.2N			41.0	19.5	
	Cbl	Cbl	35.3	149.1	236.1	-22.9			3	B/100	19.0	28.3	8.2N			7.8	47.3	
	O1	O1	35.3	149.1	230.9	-14.4			10	B/100	25.9	27.9	7.3N			20.4	11.0	
	S3-4	S3-4	35.3	149.1	208.3	19.6			7	B/100	54.0	21.6	10.1			38.5	9.9	
	D2	D2	35.3	149.1	204.1	11.8			7	B/100	53.3	11.7	6.0			14.2	16.6	
	D3	D3	35.3	149.1	197.0	22.3			11	B/100	61.7	6.2	11.6			10.1	15.1	
	Tour-Vis	Ce	35.3	149.1	195.4	47.7			6	B/100	75.4	36.8	28.8			6.9	27.4	
	Nam-Steph	Cl	35.3	149.1	275.2	83.8			5	B/100	33.3	134.4	77.7			9.6	26.0	
	P1	P1	35.3	149.1	229.9	81.7			14	B/100	44.5	131.7	73.8			9.9	13.3	
	Tr1	Tr1	35.3	149.1	128.6	87.7			10	B/100	38.1	153.7	85.4			40.6	7.7	
	Tr3	Tr3	35.3	149.1	90.7	77.5			2	B/100	32.2	177.6	66.2			76.9	28.9	
	J1	J1	35.3	149.1	138.8	78.0			2	B/100	50.6	173.1	66.9			149.9	20.5	
	~J3	~J3	35.3	149.1	104.5	79.6			3	B/100	37.8	174.2	69.7			10.5	40.1	
	K1	k1	35.3	149.1	180.7	84.3			4	B/100	46.6	148.9	78.7			49.9	13.1	
	Tpal	Tpal	35.3	149.1	199.8	75.6			5	B/100	59.8	131.2	62.9			35.5	13.0	
	Teo	Teo	35.3	149.1	202.9	67.8			8	B/100	67.4	109.4	50.8			80.7	6.2	
	Tol	Tol	35.3	149.1	194.2	70.1			3	B/100	68.8	125.7	54.1			133.1	10.7	
	Tmio	Tmio	35.3	149.1	190.3	61.3			9	B/100	79.3	103.6	42.4			183.1	3.8	
	Tpl	Tpl	35.3	149.1	181.8	55.8			6	B/100	88.2	94.4	36.3			195.2	4.8	

Otway Grp	100-105	35.3	149.1	181.1	83.1	48.9	148.7	76.4	3.6	MI
100 Ma	100 Ma	35.3	149.1	162.3	81.1	51.7	157.6	72.5	6.7	MI
Kl ovp	90-95 Ma	35.3	149.1	189.7	77.8	58.2	141.8	66.6	2.1	Mi
North Rankin 1	58 Ma	35.3	149.1	206.6	72.2	61.7	118.4	57.3		MI
Morney profile		35.3	149.1	213.8	73.1	57.8	116.2	58.7	5.2	MI
Browns Creek Clay	43? Ma	35.3	149.1	204.2	69.3	65.5	112.5	52.9	2.5	MI
Point Addis Lst	26 Ma	35.3	149.1	197.9	69.2	68.4	118.7	52.8	4.8	MI
Sequence 1		35.3	149.1	197.4	67.8	70.1	115.3	50.7	<5	MI
Sequence 3		35.3	149.1	193.0	67.6	72.1	121.4	50.5	<5	MI
Glenample Fm Port Campbell Ls	12 Ma	35.3	149.1	188.0	64.7	77.2	123.5	46.6	4.2	MI
Sequence 2		35.3	149.1	186.6	62.2	80.4	119.2	43.5	<5	MI
Perth Basin		35.3	149.1	187.6	60.8	81.2	108.8	41.8	4.5	MI
Springfield Basin		35.3	149.1	190.7	59.1	80.4	90.5	39.8	5.6	MI
Newer Volcs & Werriko Lst		35.3	149.1	186.3	59.1	83.2	103.6	39.9	6.2	MI
Newer Volcs		35.3	149.1	184.4	57.7	85.4	100.9	38.3	4.0	MI
Holoc lake seds	0.005 Ma	35.3	149.1	180.1	55.4	89.4	144.6	35.9	1.5	MI

MI Idnurm's perferred pole path as detailed in Klootwijk et al.(1993, table 7)

TABLE 1.3 TAMWORTH BELT - NEW ENGLAND - AUSTRALIA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Magnetic Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
	GRAVESEND/ROCKY CREEK SYNCLINE																	
* GRA	West Lynne & Yuendoo And Tuffs (AIYA-B P1 BE)	Cl	29.7	150.3	123.5	38.2	43.6	8.5	,8	B/100	38.9	235.6	21.5	6.0	10.1			ACTK
* GRA	West Lynne & Yuendoo And Tuffs (AIYA-C P2 BE)	Cl	29.7	150.3	121.7	34.6	44.5	6.9	,11	B/100	36.4	237.7	19.0	4.6	7.9			ACTK
* GRA	Ermelo Dacite (AIEA-D PQ BE)	Cl	30.0	150.4	309.5	-54.4	19.4	17.8	,5	B/100	47.6	220.0	34.9	17.7	25.1			ACTK
* GRA	Tuff below Peri Rhyd (AIPA P1 FI)	Cl,ovp?	30.0	150.3	194.4	80.4	79.1	10.4	,4	F/0	47.9	143.5	71.3	19.2	20.0			ACTK
* GRA	Peri Rhyod (AIPB P2 BE)	Cl	30.2	150.3	160.2	66.0	35.5	15.6	,4	B/100	66.4	184.6	48.3	20.9	25.5			ACTK
* GRA	Mt Amore Mb (AILA PR BE)[1]	Cl	30.2	150.3	228.2	61.2	379.1	4.7	,4	B/100	49.9	91.5	42.3	5.5	7.2			ACTK
* GRA	Mt Amore Mb (AILA PR FI)[1]	Cl,ovp?	30.2	150.3	107.3	54.1	382.8	4.7	,4	F/0	29.8	215.2	34.6	4.6	6.6			ACTK
* GRA	Plagyan Rhy Nand (AILB PR BE)[5]	Cl	30.4	150.3	170.4	63.7	148.8	7.6	,4	B/100	73.3	174.4	45.3	9.6	12.1			ACTK
* GRA	Plagyan Rhy Nand (AILC PR BE)[5]	Cl	30.4	150.3	153.9	67.9	494.5	4.1	,4	B/100	61.8	186.2	50.9	5.8	6.9			ACTK
* GRA	Plagyan Rhy Nand (AILB-C PR FI)[1,5]	Cl,ovp?	30.4	150.3	207.4	51.7	154.0	4.5	,8	F/0	66.6	72.2	32.3	4.2	6.1			ACTK
* GRA	Plagyan Rhy Nand (AILB-C PR BE)[1,5]	Cl	30.4	150.3	162.8	66.0	154.6	4.5	,8	B/100	67.8	181.7	48.3	6.0	7.4			ACTK
* GRA	Hell Hole Mb (AIRA-D P1 BE)	Cl	30.0	150.3	181.9	77.6	62.3	5.1	,14	B/100	53.7	149.0	66.3	9.0	9.6			ACTK
* GRA	Hell Hole Mb (AIRA-D P2 BE)	Cl	30.0	150.3	202.8	75.5	46.4	5.9	,14	B/100	54.2	132.6	62.7	9.9	10.8			ACTK

* GRA	Hell Hole Mb (AIRA-D C2 FI)	Cl,ovp?	30.0	150.3	0.1	-78.1	287.1	3.6	,7	F/O	52.9	150.2	67.2	6.4	6.8	ACTK
	WERRIE SYNCLINE															
* WER	Merlewood Fm Currabubula (AQMA-B P1 BE)	Ce	31.3	150.8	9.0	-39.6	68.7	7.3	,7	B/100	78.1	15.2	22.5	5.3	8.8	ACTK
* WER	Merlewood Fm Walabadah (AQMC-D P1 BE)	Ce	31.5	150.8	359.1	-35.2	45.8	10.0	,6	B/100	77.9	326.8	19.4	6.7	11.5	ACTK
* MER	Merlewood Fm Glenoak (AQOA P1 BE)	Ce	31.1	150.6	13.3	-3.2	143.0	7.7	,4	B/100	57.7	356.1	1.6	3.9	7.7	ACTK
* WER	Merlewood Fm Glenoak (AQOA P2 BE)	Ce	31.1	150.6	29.5	6.0	40.2	14.7	,4	B/100	50.5	21.2	3.0	7.4	14.8	ACTK
* WER	Merlewood Fm Glenoak (AQOB P1 BE)	Ce	31.1	150.6	194.9	17.3	86.0	10.0	,4	B/100	63.8	5.7	8.9	5.4	10.4	ACTK
* WER	Merlewood Fm Glenoak (AQOC P1 BE)	Ce	31.1	150.6	155.4	5.2	64.1	15.5	,3	B/100	53.3	286.6	2.6	7.8	15.6	ACTK
* WER	Gap Succession (AQUB-C P3 BE)	Cl	31.4	150.6	229.3	73.1	25.5	12.2	,7	B/100	47.3	115.2	58.7	19.5	21.8	ACTK
* WER	Gap Succession (AQUA P1 BE)	Cl	31.4	150.6	218.9	71.1	124.0	8.3	,4	B/100	53.6	113.9	55.6	12.6	14.5	ACTK
* WER	Gap Succession (AQUA P2 BE)	Cl	31.4	150.6	201.1	65.8	1005	2.8	,4	B/100	66.9	112.8	48.1	3.7	4.6	ACTK
* WER	Gap Succession (AQUB P1 BE)	Cl	31.4	150.6	249.6	57.8	77.4	10.5	,4	B/100	33.9	88.5	38.5	11.3	15.4	ACTK
* WER	Gap Succession (AQUB P2 BE)	Cl	31.4	150.6	245.8	51.6	299.7	5.3	,4	B/100	35.0	80.2	32.3	4.9	7.2	ACTK
* WER	Gap Succession (AQUB P3 BE)	Cl	31.4	150.6	235.3	61.4	110.8	8.8	,4	B/100	45.3	91.2	42.5	10.4	13.6	ACTK
* WER	Gap Succession (AQUC P3 BE)	Cl	31.4	150.6	159.2	85.9	268.2	7.5	,3	B/100	39.0	154.3	81.8	14.8	14.9	ACTK
* WER	Cana Creek Tuff Mb (AQCA-B P1 BE)	Cl	31.4	150.7	224.1	69.8	62.6	7.1	,8	B/100	51.5	109.2	53.7	10.5	12.2	ACTK

* WER	Currabubula Fm Tara Gap (AQGA-D P1 BE)	Cl	31.5	150.8	197.6	78.4	19.6	8.9	,15	B/100	52.4	140.0	67.7	15.9	16.8	ACTK
* WER	Currabubula Fm Washpool Creek (AQTA-C 01 BE)	Cl,ovp?	31.2	150.6	246.4	54.3	39.6	7.0	,12	B/100	35.2	83.5	34.8	6.9	9.9	ACTK
* WER	Currabubula Fm Washpool Creek (AQTA-C 02 BE)	Cl,ovp?	31.2	150.6	247.3	45.2	19.2	10.2	,12	B/100	31.9	74.6	26.7	8.2	12.9	ACTK
* WER	Piallaway Trig Mb, Quirripolly (AQPA-B P1 BE)	Cl	31.4	150.6	220.9	61.6	46.7	8.9	,7	B/100	55.8	91.7	42.8	10.6	13.7	ACTK
* WER	Piallaway Trig Mb, Quirripolly (AQPA-B P2 BE)	Cl	31.4	150.6	229.4	64.3	97.2	5.7	,8	B/100	49.5	96.4	46.1	7.3	9.1	ACTK
* WER	Currabubula Fm Quipolly Creek (AQQE-H P1 BE)	Cl	31.4	150.7	173.1	80.6	19.2	9.7	,13	B/100	49.6	154.0	71.7	18.0	18.7	ACTK
* WER	Currabubula Fm Quipolly Dam (AQQA-D P1 BE)	Cl	31.4	150.7	259.1	73.8	4.4	21.3	,14	B/100	32.1	115.1	59.8	34.5	38.4	ACTK
* WER	Kankool (AQKC-D P1 BE)	Cl	31.7	150.8	216.2	62.0	55.9	7.5	,8	B/100	59.3	93.3	43.2	9.0	11.6	ACTK
* WER	Kankool (AQKC-D P2 BE)	Cl	31.7	150.8	226.5	63.3	142.3	5.6	,6	B/100	51.8	94.5	44.8	7.0	8.8	ACTK
* WER	~Basin Tuff Kankool (AQKA-B P1 BE)	Cl	31.7	150.8	124.9	84.1	92.0	5.8	,8	B/100	37.8	162.9	78.3	11.2	11.4	ACTK
* WER	~Basin Tuff Kankool (AQKA-B P2 BE)	Cl	31.7	150.8	127.0	79.8	365.0	3.2	,7	B/100	41.9	172.1	70.2	5.9	6.1	ACTK
	ROUCHEL BLOCK															
* ROU	Waverley Fm (AHRP-S PR BE)	Ce	32.3	151.1	180.9	16.8	18.4	8.8	,16	B/100	66.3	333.3	8.6	4.7	9.1	ACTK
* ROU	Waverley Fm (AHRP-S QU FI)	Ce,ovp?	32.3	151.1	52.2	-79.8	28.5	7.0	,16	F/0	42.8	129.9	70.2	12.9	13.4	ACTK
* ROU	Isismurra Ceik Curra Keith (ARCK1-16 PR BE)	Ce	32.0	151.0	313.2	11.5	14.9	13.8	,9	B/100	31.6	272.6	5.8N	7.1	14.0	ACTK

* ROU	Isismurra Ceik Curra Keith (ARCK1-16 FI)	Ce,ovp?	32.0	151.0	105.1	72.8	114.7	4.8	,9	F/0	34.5	189.1	58.2	7.6	8.5	ACTK
* ROU	Isismurra Ceik Curra Keith (ARCK17-24 FI)	Ce,ovp?	32.0	151.0	121.5	72.4	18.8	21.8	,4	F/0	43.2	189.8	57.6	34.2	38.6	ACTK
* ROU	Isismurra Ceik Curra Keith (ARCK25-49 FI)	Ce,ovp?	32.0	151.0	244.8	69.4	55.2	6.2	,11	F/0	39.8	105.9	53.1	9.0	10.6	ACTK
* ROU	Isismurra Cein (AHRH-I P1 BE)	Ce	32.2	151.0	327.2	-4.1	17.1	15.0	,7	B/100	46.9	278.6	2.1	7.6	15.0	ACTK
* ROU	Isismurra Cein (AHRH-I P2 BE)	Ce	32.2	151.0	314.4	12.6	77.3	6.3	,8	B/100	32.0	274.2	6.4N	3.3	6.4	ACTK
* ROU	Isismurra Native Dog Mb Cein (AGRG QU FI)	Ce,ovp?	32.2	151.0	298.9	-63.9	53.9	17.0	,3	F/0	41.8	206.3	45.6	21.5	27.0	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRA-B QU BE)	Ce	32.2	151.1	281.6	-24.9	20.2	12.6	,8	B/100	16.6	235.9	13.1	7.3	13.5	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRA-B QU FI)	Ce,ovp?	32.2	151.1	294.0	-42.5	20.2	12.6	,8	F/0	32.3	230.5	24.6	9.6	15.5	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRA-B OV FI)	Ce,ovp?	32.2	151.1	281.2	43.1	150.1	4.5	,8	F/0	4.4	88.1	25.1N	3.5	5.6	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRB OV FI)	Ce,ovp?	32.2	151.1	280.7	40.0	356.4	6.5	,3	F/0	3.5	85.9	22.8N	4.7	7.8	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRA-B PR BE)	Ce	32.2	151.1	308.7	-8.2	260.0	3.4	,8	B/100	34.4	260.3	4.1	1.7	3.4	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (AHRB P1 BE)	Ce	32.2	151.1	312.7	5.8	158.5	9.8	,3	B/100	33.1	269.9	2.9N	4.9	9.8	ACTK
* ROU	Isismurra unname ignimbr Ceiv? (ARIA1-16 PR BE)	Ce	32.2	151.1	347.7	-5.3	55.7	6.5	,10	B/100	32.8	261.0	2.7	3.3	6.5	ACTK
* ROU	Isismurra unn ign Ceiv? (ARIA 17-31 PR BB)	Ce	32.2	151.1	314.2	-5.6	113.1	4.9	,9	B/100	38.0	265.8	2.8	2.5	4.9	ACTK
* ROU	Isismurra unn ign Ceiv? (ARIA 17-31 FI)	Ce,ovp	32.2	151.1	259.8	61.7	76.3	6.4	,8	F/0	28.2	96.2	32.9	7.7	9.9	ACTK

* ROU	Isismurra Ceic (AHRC QU BE)	Ce	32.1	151.1	333.8	-1.5	51.9	12.9	,4	B/100	50.1	287.6	0.8	6.5	12.9	ACTK
* ROU	Isismurra Ceic (AHRC PR BE)	Ce	32.1	151.1	289.2	24.3	1165	2.7	,4	B/100	8.9	262.3	12.7N	1.6	2.9	ACTK
* ROU	Isismurra Ceic (AHRD-E QU BE)	Ce	32.2	151.0	331.8	-17.2	12.2	16.5	,8	B/100	54.9	276.6	8.8	8.8	17.1	ACTK
* ROU	Isismurra Ceic (AHRD-E PR BE)	Ce	32.2	151.0	281.9	33.9	41.1	9.5	,7	B/100	0.3	82.9	18.6N	6.2	10.9	ACTK
* ROU	Isismurra Ceic (AHRJ-K OV FI)	Ce,ovp?	32.2	151.1	93.7	74.2	203.4	3.9	,8	F/O	29.4	185.4	60.5	6.4	7.1	ACTK
* ROU	Isismurra Ceic (AHRN-O Q1 FI)	Ce,ovp?	32.2	151.1	286.4	-78.3	26.0	11.1	,8	F/O	35.7	178.2	67.3	19.6	20.7	ACTK
* ROU	Isismurra Ceic (AHRN-O O1 FI)	Ce,ovp?	32.2	151.1	219.4	66.6	84.1	6.1	,8	F/O	56.2	102.8	49.1	8.3	10.1	ACTK
* ROU	Isismurra Ceic (AHRN-O O2 FI)	Ce,ovp?	32.2	151.1	220.9	52.6	27.2	17.9	,4	F/O	55.8	74.1	33.2	17.0	24.7	ACTK
* ROU	Martins Creek AND (AHRX PR BE)	Cl	32.4	151.2	99.0	-49.7	7.3	36.4	,4	B/100	9.1N	271.7	30.5N	31.9	48.0	ACTK
* ROU	Paterson Volcs (AHRT-V P1 BE)	Cl	32.4	151.3	344.3	-63.7	97.3	4.4	,12	B/100	72.3	190.0	45.3	5.5	7.0	ACTK
* ROU	Paterson Volcs (AHRT-V P2 BE)	Cl	32.4	151.3	343.9	-68.6	125.2	4.1	,11	B/100	67.2	177.6	51.9	5.9	6.9	ACTK
* ROU	Paterson Volcs (AHRT-V P1 BE)	Cl,ovp?	32.4	151.3	19.2	-66.7	97.3	4.4	,12	F/O	67.9	116.6	49.3	6.0	7.3	ACTK
* ROU	Paterson Volcs (AHRT-V P2 BE)	Cl,ovp?	32.4	151.3	27.9	-70.5	125.2	4.1	,11	F/O	60.3	118.2	54.7	6.2	7.1	ACTK
* ROU	Paterson Volcs (AHRT-V QU BE)	Cl,ovp?	32.4	151.3	16.0	-64.5	78.0	8.7	,5	F/O	71.4	114.6	46.4	11.2	14.0	ACTK
* ROU	Paterson Volcs top (CHHH)	Cl	32.4	151.3	322.2	-58.4		6.8	,10	B/100	58.8	218.0	39.1	7.5	10.1	AHTH
* ROU	Glennies Cr sect (CHHD-G) base Seaham Fm	Cl	32.4	151.3	306.1	-61.6		13.1	,11	B/100	46.8	211.3	42.8	15.6	20.2	AHTH
	GRESFORD BLOCK															
* GRE	Mart Creek And (AHHA-C PR BE)	Ce	32.5	151.5	103.8	-39.8	47.1	6.4	,12	B/100	1.2N	267.8	22.6N	4.6	7.7	ACTK

* GRE	Mart Creek And (AHHA-C OV BE)	Ce,ovp?	32.5	151.5	127.9	60.8	94.9	9.5	,4	B/100	48.1	213.2	41.8	11.1	14.5		ACTK
* GRE	Mart Creek And (AHHT-V PR BE)	Ce	32.6	151.6	96.9	-38.1	41.3	6.8	,12	B/100	5.9N	263.3	21.4N	4.8	8.0		ACTK
* GRE	Mart Creek And (AHNJ P2 BE)	Ce	32.7	151.7	88.0	-50.1	356.0	4.9	,4	B/100	17.5N	267.6	30.9N	4.4	6.6		ACTK
* GRE	Mart Creek And (AHNK P2 BE)?	Ce	32.7	151.7	66.7	-44.3	20.9	20.6	,4	B/100	32.4N	253.8	26.0N	16.2	25.9		ACTK
* GRE	Mart Creek And (AHNJ-K P2 BE)?	Ce	32.7	151.7	76.9	-47.7	31.2	10.1	,8	B/100	25.3N	261.0	28.8N	8.5	13.1		ACTK
* GRE	Mart Creek And Cranky Corner (CCKE P1 BE)	Ce	32.6	151.4	139.0	-38.3	22.5	7.5	,18	B/100	23.2	289.8	21.6N	5.2	8.8		ACTK
* GRE	Mart Creek And Cranky Corner (CCKE P2 BE)	Ce	32.6	151.4	133.1	-40.5	22.4	7.5	,18	B/100	18.5	286.3	23.2N	5.5	9.0		ACTK
* GRE	Mart Creek And Cranky Corner (CCKF P1 BE)	Ce	32.6	151.4	123.7	-47.3	38.6	4.9	,23	B/100	8.9	283.6	28.5N	4.1	6.4		ACTK
* GRE	Mart Creek And Cranky Corner (CCKF P2 BE)	Ce	32.6	151.4	120.5	-50.3	56.4	4.1	,23	B/100	5.1N	283.6	31.1N	3.7	5.5		ACTK
* GRE	Newtown Fm Vacy ign mb Cenv (AHHW-X QU BE)	Ce	32.5	151.6	293.5	-5.4	105.3	12.1	,3	B/100	21.2	252.4	2.7	6.1	12.1		ACTK
* GRE	Newtown Fm Vacy ign mb Cenv (AHHW-X P2 FI)	Ce,ovp	32.5	151.6	325.3	-62.8	401.2	2.8	,8	F/0	60.7	208.0	44.2	3.4	4.4		ACTK
* GRE	Newtown Cenj or Wallaringa,Cel? (AHHD 03 BE)	Cel,ovp	32.6	151.4	182.4	83.8	1242	2.6	,4	B/100	44.9	150.7	77.7	5.0	5.1		ACTK
* GRE	Newtown, prob Cend (AHHK P2 BE)	Ce,ovp	32.6	151.5	314.8	-82.2	158.7	7.3	,4	B/100	42.6	166.3	74.7	13.8	14.2		ACTK
* GRE	Newtown, Cend (AHHL-M P1 BE)	Ce	32.6	151.5	332.9	-70.7	86.4	6.5	,7	B/100	60.6	183.7	55.0	9.8	11.3		ACTK
* GRE	Newtown, Cend (AHHL-M P2 BE)	Ce	32.6	151.5	285.7	-72.8	28.6	11.5	,7	B/100	35.3	189.9	58.2	18.2	20.5		ACTK
* GRE	Mowbray Fm prob Cemd (und Lambs Val ignb Mb (AHHH-I PR BE)	Ce	32.6	151.5	213.4	82.9	10.1	18.3	,8	B/100	44.1	140.5	75.6	34.9	35.7		ACTK

* GRE	Mowbray Fm (AHHO-P 02 BE)	Ce	32.7	151.5	138.8	67.8	37.6	9.2	,8	B/100	55.0	198.0	50.8	12.9	15.4	ACTK
* GRE	Mowbray Fm (AHHO-P 03 BE)	Ce	32.7	151.5	145.1	81.2	23.1	11.8	,8	B/100	46.1	165.6	72.8	22.1	22.8	ACTK
* GRE	Mowbray Fm (AHHQ-R 04 BE)	Ce	32.7	151.5	147.0	67.6	486.9	2.7	,7	B/100	60.0	195.3	50.5	3.8	4.5	ACTK
* GRE	Dacite Quarry RT Italia Rd Fm, Cli (AHNA-D P2 BE)	Cl	32.7	151.8	182.4	76.4	295.3	2.5	,12	B/100	58.5	149.7	64.2	4.3	4.7	ACTK
* GRE	PT equiv Italia Rd Fm Cli (AHNE-I P2 BE	Cl	32.7	151.7	344.8	-60.8	79.2	3.4	,23	B/100	74.9	200.4	41.8	4.0	5.2	ACTK
* GRE	Paterson Volc (AHHS P2 BE)	Cl	32.6	151.6	327.7	-77.4	135.7	7.9	,4	B/100	51.5	172.1	65.9	13.8	14.8	ACTK
* GRE	Paterson Volc Paters (CHHU)	Cl	32.6	151.6	3.2	-67.3		1.2	,14	B/100	72.4	144.8	50.1	1.7	2.0	AHTH
* GRE	Paterson Volc Sharp Mnt (CHHQ)	Cl	32.5	151.4	334.5	-68.5		4.0	,12	B/100	63.3	187.7	51.8	5.7	6.8	AHTH
* GRE	Sharp Mnt sect (CHHJ-P)	Cl	32.5	151.4	324.5	-52.4		6.7	,30	B/100	60.3	230.6	33.0	6.3	9.2	AHTH
* GRE	Mirannie Sharp Mtn (CHHI) creek	Cl	32.5	151.4	331.9	-53.2		1.7	,14	B/100	66.5	230.6	33.8	1.6	2.4	AHTH
* GRE	Mirannie Sharp Mtn (CHHR)	Cl	32.5	151.4	351.1	-64.5		2.3	,18	B/100	74.6	175.0	46.4	3.0	3.7	AHTH
* GRE	Paterson Rlw seds (CHHV)	Cl	32.6	151.6	188.5	66.8		7.0	,14	B/100	72.1	133.4	49.4	9.6	11.6	AHTH
* GRE	Paterson Rlw seds (CHHW)	Cl	32.6	151.6	199.4	56.8		7.8	,12	B/100	73.4	83.8	37.4	8.2	11.3	AHTH
* GRE	Paterson Rlw seds (CHHX)	Cl	32.6	151.6	209.6	66.8		11.9	,8	B/100	62.4	107.8	49.4	16.2	19.7	AHTH
* GRE	Paterson Rlw seds (CHHY)	Cl	32.6	151.6	132.0	67.0		14.3	,10	B/100	50.9	201.3	49.7	19.6	23.7	AHTH
* GRE	Paterson Tosc Cranky Corner (CCKC P2 BE[3]	Cl	32.6	151.4	299.3	-66.7	151.8	3.9	,10	B/100	42.6	202.0	49.3	5.4	6.5	ACTK
* GRE	Paterson Tosc Cranky Corner (CCKD P1 BE[3]	Cl	32.6	151.4	308.0	-69.8	308.4	2.5	,12	B/100	47.9	195.5	53.6	3.7	4.3	ACTK

* GRE	pitchstone below Durham Tuff (CCKB P2 BE)[2]	Cl	32.6	151.4	215.5	68.9	47.9	6.1	,13	B/100	57.7	109.8	52.4	8.7	10.3	ACTK
* GRE	Durham Tuff (CCKA P2 BE)[2]	Cl	32.6	151.4	189.9	64.0	284.4	2.5	,13	B/100	74.8	124.1	45.7	3.1	3.9	ACTK
* GRE	Durham Tuff, Cranky Corner (AHHE-G PR BE)	Cl	32.6	151.4	162.8	68.3	133.7	4.0	,11	B/100	67.3	180.0	51.5	5.7	6.7	ACTK
* GRE	Matthews Gap Dac (BPMA-C P1 BE)[4]	Cl	32.8	151.3	199.7	68.4	78.8	4.7	,12	B/190	66.4	119.7	51.6	6.7	7.9	ACTK
* GRE	Matthews Gap Dac (BPMA-C P2 BE)[4]	Cl	32.8	151.3	201.5	67.8	110	3.0	,21	B/100	66.1	116.5	50.8	4.3	5.1	ACTK

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1 Check whether geographic or stratigraphic result is preferable?
2 Bedding corrected according to 248.1/24.0 as per sites CCKG-CCKI
3 Bedding corrected according to 248.5/40.3 as per site CCKN
4 U-Pb diffusion age 309 Ma Ma
5 Sampled as Plagyan Rhyodacite according to Tareela 1:100,000 map (White,1965). According to Stroudt (1990)(1988-1990 maps), the sample locality could be in the Clifden Fm.

Data source: ACTK= Klootwijk unpublished ANTH= Théveniaut and Klootwijk, unpublished

TABLE 1.4 INDIA-NEPAL

CAMBRIAN - RECENT (CR= Rotation corrected result)

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Bhander & Rewa Series[48]	V-CBe	27N	77.5	203.4	8.1	17.5	11.1	7,21	B/100	51	37.8	4.1	5.6	11.2			2047
2	Bhander & Rewa Series, U Vindh System comb[48,49]	V-CBe	27N	77.5	208.7	10.8			18,83	B/100	47.3	32.7	5.5	5.8	5.8	(35.5)	(5.8)	2048
3	Rewa Sst, Vindhyan Syst[50]	V-CBe	23.8N	78.9	32	-37	15	13.7	1,7	F/0	35	42	20.7	9.6	15.9			2496
3	U Bhander Sst, Vindhyan System[51]	V-CBe	23.7N	79.6	49	-19	200	5.7	3,18	F/0	31.5	19	9.8	3.1	5.9			2497
3	U Bhander Sst[48]	V-CBe	26.6N	77.7	207.5	9.5	137	5.5	6,37	B/100	48.5	33.5	4.8	3	5.5			2884
4,HIM	Kashmir Seds[12]	CBm-Trl,ovp	34.2N	74.7	193.1	-33.5	18.4	8	19,724	F/0	70.3	35.1	18.3N	5.2	9.1			718
4,CR[53]	Kashmir Seds[12]	CBm-Trl,ovp	35.2N	74.7	153.1	-33.5	18.4	8	10.724	F/)	60.8	136.4	18.3N	5.2	9.1			718
4,HIM	Trahagaum Fm	Oe-m	34.6N	74.2	346.5	55	22.5	4	1,53	B/100	79N	353	35.5?	4	5.5			717
4,CR[53]	Trahagaum Fm	Oe-m	35.6N	74.2	306.5	55	22.5	4	1,53	B/100	47.0N	0.5	35.5?	4	5.7			717
4,HIM	Marhaum Fm	Ol-S	34.6N	74.2	258.5	55.5	12.5	10	1,18	B/100	11.5N	20	36.0	10	14.5			716
4,CR[52]	Marhaum Fm	Ol-S	35.6N	74.2	218.5	55.5	12.5	10	1,18	B/100	9.9	43.5	36.0	10.2	14.3			716
*NHIM	Pulchauki Ironores	S	27.6N	85.6	114.4	13.8	11.7	6.4	1?,46	B/100	17.9	157.3	7.0N	3.4	6.6			ACTK
3,HIM	Rudraprayag Volcs[2]	S-D	30.3N	79	64.1	29	26.4	15.2	5,28	B/100	30	348	15.5N	9.2	16.7			44
3,CR[53]	Rudraprayag Volcs[2]	S-D	35.3N	79	24.1	29	26.4	15.2	5,28	B/100	60.7	25.4	15.5N	9.2	16.7			44
3NHIM	Dark Band & Tilicho Lake Fms[46]	S-Ce	28.4N	84	312.9	58.3	19.8	17.6	5,47	F/0	49.9	201.9	39.0N	19.3	26			5725
4NHIM	Tilicho Pass Ice Lake Fm N-ovp[44]	Dl-Ce, ovp	28.8N	83.7	309.5	72.5	23.7	4	1,60	F/0	44.8	228.2	57.8N	6.3	7.1			659
4NHIM	Tilicho Pass Ice Lake Fm R-ovp[44]	Dl-Ce, ovp	28.8N	83.7	78	-66	58	2.5	1,55	F/0	13.8	221.7	48.3N	3.3	4.1			659

4,HIM	Syringothyris Lst[11]	Ce	33.8N	75.2	197	44	8	13	1,18	B/100	28.5	58	25.8	10	16.5	715
4,CR[53]	Syringothyris Lst[11]	Ce	34.8N	75.2	182	44	8	13	1,18	B/100	29.4	73.1	25.8	10.2	16.3	715
3NHIM	Tibetan Sed Ser[46]	Ce-Jm	28.4N	84	196.4	-65.9	183	3.2	12,229	F/0	66.5	292.2	48.2N	4.3	5.2	5726
3,CR[53]	Tibetan Sed Ser[46]	Ce-Jm	34.4	84	181.4	-65.9	183	3.2	12,229	F/0	76.2	267.9	48.2N	4.3	5.2	5726
3	Talchir Ser[23]	Cl	21.4N	79	66.1	59.2	109.4	2.9	,23	B/100	31.5	314.3	40.0	2.6	3.2	3336
2,HIM	Panjal Traps[14]	Cl-Pe, ovp??	34.1N	74.8	156.5	32.5	19.8	9.9	12,38	B/100	32	102	17.7	6.3	11.2	2049
2,CR[53]	Panjal Traps[14]	Cl-Pe, ovp??	35.1N	74.8	116.5	32.5	19.8	9.9	12,38	B/100	10.0	134.8	17.7	6.3	11.2	2049
4,HIM	Lower Blaini Diamictite	Cl-Pe	30.2N	78.4	354	-72	7	12	1,23	B/100	2.5	81.5	57.0	18.5	21	772
4,CR[53]	Lower Blaini Diamictite	Cl-Pe	35.2N	78.4	314	-72	7	12	1,23	B/100	10.0	281.9	57.0	18.7	21.2	772
4,HIM	Blaini Lst	Cl-Pe	30.2N	78.4	89.5	74.5	7	7.5	1,62	B/100	26.5N	111	61.0	12.4	13.6	771
4,CR[53]	Blaini Lst	Cl-Pe	35.2	78.4	49.5	74.5	7	7.5	1,62	B/100	49.6N	113.1	61.0	12.4	13.6	771
4,HIM	Krol Belt Seds Pre-Fold, Early-Middle Tert comp	Cl-K,ovp	30.2	78.4	27	22.5	45	10	6,147	B/100	59	19	11.7N	5.5	10.5	774
3,CR[53]	Krol Belt Seds Pre-Fold, Early-Middle Tert comp	Cl-K,ovp	35.2	78.4	342	22.5	45	10	6,147	B/100	61.4	117.6	11.7N	5.6	10.6	774
4,HIM	Krol Belt Seds Post-Fold, Late Tert comp	Cl-K,ovp	30.2N	78.4	16	38	97	7	5,142	F/0	73	16	21.3N	5	8.5	773
*	Talchir, Karanpura TBC[33]	Cl-Pe, ovp?	23.7N	85.1	125.8	55.7	29.5	7.7	1,25	B/100	11.2	126.7	36.2	7.9	11.1	AVKA
*	Talchir Karanpura TBC (T+C)[39]	Cl-Pe	23.7N	85.1	112.4	61.2	31.7	3.4	1,57	B/100	0.7N	128.3	42.3	4.0	5.2	ACTK
*	Talchir, Hutar HTA[33]	Cl-Pe, ovp?	23.8N	84.1	136.3	53.6	46.3	7.6	1,11	B/100	18.8	121.1	34.1	7.4	10.6	AVKA
*	Talchir, Hutar HTA[39] (T+C)	Cl-Pe	23.8N	84.1	149.6	59.2	24.0	6.6	1,21	B/100	20.2	108.5	40.0	7.4	9.9	ACTK
*	Talchir, Hutar HTB[33]	Cl-Pe, ovp?	23.8N	84.1	149.4	47.6	30.1	5.1	1,28	B/100	29.8	114.9	28.7	4.3	6.6	AVKA

4NHIM	Kali Gandaki collision ovp	P-Ke, ovp	28.8N	83.8	351.7	-6	58.6	7.3	8,247	B/100	57.2	99.2	3.0	3.7	7.3	660
3,HIM	Bhimtal Volcs[1]	P	29.2N	79.9	277.2	-52.1	25.4	25	3,13	B/100	10.1	318	32.7	23.5	34.2	43
3,CR[53]	Bhimtal Volcs[1]	P	34.2N	79.9	247.2	-52.1	25.4	25	3,13	B/100	35.0	331.1	32.7	23.5	34.2	43
*	Barakar, Hutar HBA[33,34]	Pe,ovp?	23.8N	84.1	111.0	74.3	35.1	5.5	1,30	B/100	10.9N	111.7	60.7	9.1	10.1	AVKA
*	Barakar, Hutar HBB[33,34]	Pe, ovp?	23.8N	84.1	124.3	40.4	26.3	16.7	1,16	B/100	18.5	137.2	23.1	12.1	20.1	AVKA
4NHIM	Thini Chu Fm	P(m?)	28.8N	83.7	291.5	-63.5	10	7.5	1,41	B/100	6.5N	125	45.1	9.4	11.9	658
4,CR[53]	Thini Chu Fm	P(m?)	34.8N	83.7	276.5	-63.5	10	7.5	1,41	B/100	19.8N	131.9	45.1	9.4	11.9	658
4,HIM	Krol-A Lst	P-Tr	30.2N	78.4	306.5	-67.5	8	15	1,14	B/100	3.5N	109.5	50.4	21	25	770
4,CR[53]	Krol-A Lst	P-Tr	35.2N	78.4	266.5	-67.5	8	15	1,14	B/100	28.4N	124.8	50.4	20.8	25.0	770
4,HIM	Zewan Beds[9]	Pl	33.9N	75	261.5	-61.9	69.3	14.9	3,83	B/100	28.1N	129.9	43.1	17.9	23.1	713
4,CR[53]	Zewan Beds[9]	Pl	34.9N	75	221.5	-61.9	69.3	14.9	3,83	B/100	57.1N	137.9	43.1	17.9	23.1	713
3	Kamthi redbeds, Wardha Valley	Pl-Tre	20N	79	101.5	58.5	24	6.5	22,105	B/100	4	309	39.2	7	9.5	2893
3	Kamthi? Beds, Tadoba[21]	Pl-Tre	20.2N	79.3	302	-75.1	411.1	1.8	2,17	B/100	4.1N	102.8	62.0	2.9	3.2	3163
3	Kamthi Beds, Wardha Valley	Pl-Tre	20.1N	79	79.4	61.6	62.8	2.4	5,57	B/100	21N	129.6	42.8	2.8	3.7	3164
3	Kamthi Sst, Godavary Valley[24]	Pl-Tre?, Je	19N	79.6	306	-50	85	2	3,52	B/100	18	127	30.8	2	3	3352
*	Panchet, Raniganj, RPA	Pl-Tre	23.6N	87	115.3	55.6	31.2	6.2	1,17	B/100	4.6	134.0	36.1	6.4	9.0	AVKA
3	Panchet clays, Karanpura	Pl-Tre	23.8N	85.3	110.5	69	49	6	1,13	B/100	7.5	300.5	52.5	9	10	2885
4,HIM	Tr Lst, Kashmir[10]	Tr	33.9N	75.2	274.1	-62.6	104.3	9	4,96	B/100	20.2N	125.1	44.0	11	14.1	714
4,CR[53]	Tr Lst, Kashmir[10]	Tr	34.9N	75.2	234.1	-62.6	104.3	9	4,96	B/100	48.0N	135.8	44.0	11.0	14.1	714
3	Mangli Beds	Tre	20.5N	79	100.1	62.8	43.3	4.6	2,23	B/100	7.3N	124.3	44.2	5.7	7.3	3162
*	Mahadeva Fm Auranga, AMA[38]	Tre-Je?, ovp Kl-Tpa	23.8N	84.6	343.6	-39.2	81.2	10.5	1,16	B/100	41.4	104.9	22.2	7.5	12.5	AVKA
*	Mahadeva Fm Auranga, AMA[38,39]	Tre-Je,	23.8N	84.6	116.1	38.4	24.1	8.0	1,15	B/100	13.1	143.6	21.6	5.6	9.4	ACTK

4NHIM	Thinigoan Lst[43]	Trm-l	28.8N	83.7	326.7	-45	503.1	11.2	2,57	B/100	26.1	116.8	26.6	9	14.2	657
4,CR[53]	Thinigoan Lst[43]	Trm-l	34.8N	83.7	311.7	-45	503.1	11.2	2,57	B/100	13.5	127.1	26.6	9	14.2	657
3NHIM	Mukut Lst[45]	Trl	28.4N	84	334.3	-54.1	30.2	4.2	,40	B/100	22.4	106.7	34.6	4.1	5.9	5724
3,CR[53]	Mukut Lst[45]	Trl	34.4N	84	319.3	-54.1	30.2	4.2	,40	B/100	11.2	117.2	34.6	4.1	5.6	5724
*	Tiki Fm, Johilla TPA[35,36], ovp?	Trl?, ovp Kl-Tpa	23.4N	81	331.0	-46.6	22.2	6.6	1,45	B/100	31.5	111.0	27.9	5.4	8.4	AVKA
*	Tiki Fm, Johilla TPA[36,39], ovp? (T+C)	Trl?, ovp Kl-Tpa	23.4N	81	328.5	-56.0	24.5	3.1	1,87	B/100	23.1	108.2	36.6	3.2	4.5	ACTK
*	Tiki Fm, Johilla, TPA[35]	Trl	23.4N	81	300.2	-28.2	28.9	7.8	1,36	B/100	20.0	143.6	15.0	4.6	8.5	AVKA
*	Tiki Fm Johilla TPA[35,39] (T+C)	Trl	23.4N	81	298.2	-36.4	12.4	8.2	1,27	B/100	15.7	140.2	20.2	5.6	9.6	ACTK
3	Parsora Sst	Trl	23.4N	81	320	-39	200	5.7	3,49	B/100	30	125	22.0	4	6.8	2773
*	Parsora, Johilla JPA[37]	Trl	23.4N	81.1	305.4	-41.7	21.7	8.3	1,28	B/100	18.8	132.7	24.0	6.2	10.2	AVKA
*	Parsora, Johilla JPA[37,39] (T+C)	Trl	23.4N	81.1	318.8	-50	25.1	4.4	1,43	B/100	23.0	118.9	30.8	4.0	5.9	ACTK
*	Parsora, Johilla JPA[37,39] (T+C)	Trl	23.4N	81.1	295.2	-46.5	26.6	6.8	1,18	B/100	9.3	135.2	27.8	5.6	8.8	ACTK
*	Parsora, Johilla JPB[37]	Trl	23.4N	81.1	320.0	-36.0	18.6	13.2	1,20	B/100	31.6	126.1	20.0	8.9	15.3	AVKA
*	Parsora, Johilla JPB[37,39]	Trl	23.4N	81.1	321.3	-47.3	21.3	5.6	1,32	B/100	26.2	118.7	28.5	4.7	7.3	ACTK
*	Parsora, Johilla JPB, HT?[37,39]	Trl	23.4N	81.1	305.4	-41.7	20.3	10.4	1,11	B/100	18.9	133.0	24.0	7.8	12.7	ACTK
*	Parsora, Johilla JTPC[37]	Trl	23.4N	81.1	303.1	-42.6	44.9	6.8	1,12	B/100	16.8	133.6	24.7	5.2	8.5	AVKA
*	Parsora, Johilla JPC[37,39]	Trl	23.4N	81.1	310.2	-43.7	11.7	7.3	1,36	B/100	21.3	128.8	25.5	5.7	9.1	ACTK
*	Parsora, Johilla JPD[37]	Trl	23.4N	81.1	120.7	40.2	147.5	3.5	1,11	B/100	15.9	136.4	22.9	2.6	4.3	AVKA
*	Parsora, Johilla JPD[37,39]	Trl	23.4N	81.1	120.2	53.3	19.8	4.6	1,50	B/100	9.4	127.7	33.9	4.5	6.4	ACTK
4NHIM	Jomosom Qzt[42]	Trl	28.8N	83.7	323	-48	11	8	1,32	B/100	22	118.5	29.0	6.8	10.5	656
4,CR[53]	Jomosom Qzt[42]	Trl	34.8N	83.7	308	-48	11	8	1,32	B/100	9.5	128.0	29.0	6.8	10.5	656

3	Pachmarhi Beds	Trl-Je	22.4N	78.4	117.2	48.9	32.8	4.6	3,31	B/100	10.1	130.1	29.8	4	6.1		3161
4NHIM	Jomosom Lst[41]	Je	28.8N	83.7	323.8	-52.8	45.2	18.5	3,34	B/100	19	115.1	33.4	17.6	25.6		655
4,CR[53]	Jomosom Lst[41]	Je	34.8N	83.7	308.8	-52.8	45.2	18.5	3,34	B/100	6.7	124.6	33.4	17.6	25.6		655
4NHIM	Lumachelle Fm	Jm	28.8N	83.7	314.4	-56.4	62	15.8	3,45	B/100	11.5	119.3	37.0	16.5	22.8		654
4,CR[53]	Lumachelle Fm	Jm	34.8N	83.7	299.4	-56.4	62	15.8	3,45	B/100	1.2N	127.8	37.0	16.5	22.8		654
4NHIM	Aulis Volcs Comp-D	Jl-Ke, ovp?	27.8N	83.4	171	54	187	18.5	2,7	F/0	27	92	34.5	18	26		6982
4,CR[53]	Aulis Volcs Comp-D	Jl-Ke, ovp?	33.8N	83.4	156	54	187	18.5	2,7	F/0	18.1	104.0	34.5	18.2	26.0		6982
4NHIM	Aulis Volcs Comp-C	Jl-Ke, ovp?	27.8N	83.4	330	-49	98	7	4,27	F/0	25	112	29.9	6	9		6981
4,CR[53]	Aulis Volcs Comp-C	Jl-Ke, ovp?	33.8N	83.4	315	-49	98	7	4,27	F/0	13.4	122.5	29.9	6.1	9.3		6981
4NHIM	Aulis Volcs Comp-B	Jl-Ke, ovp?	27.8N	83.4	339	32	44	10.5	4,26	F/0	68	149	17.4N	6	11		6980
4NHIM	Kagbeni Sst[40]	Ke	28.8N	83.8	327.9	-56.1	339	13.6	2,58	B/100	17.9	110.4	36.7	14.1	19.6		653
4,CR[53]	Kagbeni Sst[40]	Ke	34.8N	83.8	312.9	-56.1	339	13.6	2,58	B/100	6.2	120.0	36.7	14.1	19.6		653
4NHIM	Dzong Sst[39]	Ke	28.8N	83.8	326	-61.5	12	5	1,78	B/100	12	109	42.6	6	7.5		652
4,CR[53]	Dzong Sst[39]	Ke	34.8N	83.8	311	-61.5	12	5	1,78	B/100	0.6	117.5	42.6	6.0	7.7		652
2	Gondw. dykes[20,47]	K	23.8N	85	336	-45	37	6.7	12,98	F/0	33.5	110	26.6	3.7	6.7	(5)	3034
0	Rajmahal Traps[18]	Ke	25N	87.9	327	-64	36	4	3,33	F/0	13	111	45.7	5	6		3729
2	Rajmahal Traps[19]	Ke	24.5N	87.5	322	-64	170	3	15,92	F/0	12	114	45.7	4	5		3487
2	Rajmahal Traps[18]	Ke	24.7N	87.6	310	-67	187	4	8,16	F/0	3	118	49.7	6	6		3045
3	Rajmahal Traps[18]	Ke	24.6N	87.7	314.5	-64.5	60	3.5	25,158	F/0	7	117	46.4	4.5	6		2999
3	Rajmahal Traps combined[18,19]	Ke	24.5N	87.5	316	-65	85	2.5	48,294	F/0	7.5	116.5	47.0	3	3.5		3000
3	Tirupati Sst[25]	Ke	16.8N	81.2	151.7	56.7	270.9	4.7	5,65	F/0	29.7	106.9	37.3	4.9	6.8		3402
2	Sylhet Traps Group 1[27]	Ke	25N	91	322	-59		7	,25	F/0	16	121	39.8	8	11		3581
2	Sylhet Traps Group 2[27]	Ke	25N	91	243	-60		16	,11	F/0	36	327	40.9	18	24		3582
3	Satyavedu Sst[21]	Ke-l	13.5N	80	321	-58	80	4.4	1,13	F/0	26.1	113	38.7	4.8	6.5		3076

4,HIM	Indus Molasse& Dras Flyschoids[13]	Kl	34.4N	76.9	2.8	1.8	33.6	11.7	6,134	B/100	56.4	71.8	0.9N	5.9	11.7			1479
3	Central Kerala Gabbro Dyke[32]	Kl	9.7N	76.7	307	-57	107	12	3,21	F/0	21.6	119.4	37.6	12.7	17.5			7151
3	Central Kerala dolerite dykes[31]	Kl	9.7N	76.7	163	61	58	10.1	6,39	F/0	34.6	94	42.1	11.8	15.5			7150
4,HIM	Indus Molasse, sites 1&2[13]	Kl,ovp	34.4N	76.9	312	6.3	87.8	27	2,22	B/100	35.6	142.8	3.2N	13.6	27.1			1478
3	Deccan Traps, Dhar region[3]	Kl-Tpa	22.4N	75.4	143	46	107.1	6.5	6,37	F/0	29	113	27.4	5.3	8.3			67
4	Deccan Traps[3]	Kl-Tpa	20N	76.5	147.5	46.8	50.9	4.6	21,110	F/0	32.6	110.8	28.0	3.8	5.9			564
3	Mnt Girnar Volcs[3]	Kl-Tpa	21.5N	70.5	332.6	-41.9	31.8	6.2	18,108	F/0	37.1	102.4	24.2	5	7.6			2513
2	DT, Amboli[3]	Kl-Tpa	15.9N	74.3	354.3	-51.1	37.7	10.2	5,48	F/0	41.4	79.9	31.8	12	12	(27.5)	(12)	2692
2	D,T Mahabaleshwar[3]	Kl-Tpa	17.9N	73.6	160.5	46.8	15.6	6.7	28,190	F/0	40	96	28.0	7.4	7.4	(12.8)	(7.4)	2693
2	DT, Jabalpur to Dindori[3]	Kl-Tpa	23.2N	80.5	157.2	40.9	26.2	6.8	18,131	F/0	38.3	107.3	23.4	5.3	8.3			2724
3	Mt Pavagarh Traps[15]	Kl-Tpa	22.5N	73.5	334	-38	38	5.4	16,88	F/0	39.2	105.6	21.3	4	6.8			2755
3	DT, 6 sections[3]	Kl-Tpa	18.5N	76.5	356.7	-56.1			84,470	F/0	34.8	79.7	36.7	7.2	7.2	(87.4)	(7.2)	2873
3	DT, 11 sect[3,16]	Kl-Tpa	18.5N	76.5	354.9	-56.4			181, 1070	F/0	34.3	81.4	37.0	3.9	3.9	(139)	(3.9)	2874
2	DT, Jabalpur[3]	Kl-Tpa	23.1N	80.8	343	-28.5	87.5	5	8,93	F/0	48	106	15.2	3	6			2915
3	DT, Aurangabad[3]	Kl-Tpa	19.8N	76.5	150	48		5.5	25,142	F/0	33	107	29.0	5	7.3			2967
2	DT, Malwa Plat[3]	Kl-Tpa	22.5N	75.8	166.5	48.7	10.7	13.2	13,76	F/0	36.3	90.4	29.7	11.4	17.4			2975
2	DT, Jalna[3]	Kl-Tpa	19.9N	75.9	160	46	32	3.8	3,42	F/0	39	99	27.4	3	5			2987
1	DT, Chincholi	Kl-Tpa	17.5N	77.5	154	61			6,38	F/0	26	99	42.1					3547
2	DT, W Ghats[3]	Kl-Tpa	17.8N	73.8	151.7	49.6	402.7	3.8	90,600	F/0	34.5	103.6	30.4	3.4	5.1	(335)	(4.2)	2998
2	DT, Armarkantak[3]	Kl-Tpa	22.7N	81.8	149.5	43.9	75.7	5	12,74	F/0	33.3	115	63.0	3.9	6.3			3017
4	DT all, 1991[3,29,30]	Kl-Tpa	20N	75	156.4	46.7		2.4	163	B/100	36.9	101.3	28.0	2.4	2.4	(21.6)	(2.4)	5728
4	DT, Nagpur-Bombay trav[3,29]	Kl-Tpa	20N	75	156.9	44.1	39.5	5.9	16,119	B/100	38.4	102.4	25.9	6.1	6.1	(37.9)	(6.1)	5727
4	DT, overall pre-1973[3,28]	Kl-Tpa	20N	75	156.4	46.7		2.4	163, 800	F/0	36.9	101.3	28.0	2.4	2.4	(21.6)	(2.4)	3772

2	DT, pre-1968 combined[3,26]	Kl-Tpa	18N	75	153	51	23.4	3	92,650	F/0	33	102	31.7	3	3		(3)	3475
0	DT, Early Results[3]	Kl-Tpa	19N	74	159	41.4	10.9	14.5	11,600	F/0	41.8	96.8	24.8	10.2	10.2	(21)	(10.2)	3723
3	Sonhat Sill[3,17]	Kl-Tpa	23N	82	340.1	-44.1	394	2.5	11,62	B/100	37	105	25.9	2.1	3.2			2892
3	Dykes, Mysore[3]	Kl-Tpa	13.3N	76	358	-51	17.4	22.7	4,52	F/0	43	78	31.7	23	23	(17)	(23)	2934
4,HIM	Dingri Sds Cp A	Tpa	28.7N	87	335.5	-5.9	76	10.6	4,28	B/100	50.6	127.7	3.3	5.3	10.6			1301
4,HIM	Dingri Sds Cp B	Tpa, ovp	28.7N	87	17.2	11.8	84	10.1	4,40	F/0	62	148.1	6.0N	5.2	10.3			1816
3,HIM	Ladakh Intrusiv comp-6[7]	Te	34.6N	76.1	3	14.6	53.4	3.8	3,27	B/100	62.7	69.7	7.4N	2	3.9			613
3,HIM	Ladakh Intrusiv Comp-5[7]	Te,ovp	34.6N	76.1	354.9	19.4	13.6	8.5	2,23	B/100	64.9	88	10.0N	4.7	8.9			614
3,HIM	Ladakh Intrusiv Comp-4[7,8]	Te,ovp	34.6N	76.1	8.2	40.8	13.3	8.1	2,26	B/100	76.7	41.8	23.3N	5.9	9.8			615
3,HIM	Ladakh Intrusiv Comp-34[7,8]	Te,ovp	34.6N	76.1	17.1	49.1	12.4	8.4	2,26	B/100	74.9	359.3	30.0N	7.3	11.1			616
4,HIM	Basal Kalakot Fm HT comp[6]	Te	34.3N	73.9	129	2	29	8.5	,11	B/100	31	138.5	1.0	4.5	8.5			571
4,HIM	Basal Kalakot Fm INT comp[6]	Te,ovp	34.3N	73.9	182	-35	18.5	12	,9	F/0	75	66	19.3N	8	14			572
4,HIM	Arnas Lst, Upper Kalakot Fm[5]	Te,ovp	34.3N	73.9	141.5	-28	25	11.5	,8	F/0	50	144	14.9N	6.5	12.5			570
4,HIM	Basal Murree Fm HT comp[4]	Te	34.3N	73.9	129	-12.5	40	3.5	,39	B/100	35	145	6.3N	2	4			568
4,HIM	Basal Murree Fm Int comp[4]	Te,ovp	34.3N	73.9	143.5	-41	34.5	7	,14	F/0	56.5	155	23.5N	5	8.5			569
4,HIM	Lower Murree Fm	To-m	33.1N	74.3	23.5	39	12.5	4.5	,86	B/100	66.5	6	22.0N	3	5.5			567
4,HIM	L & U Murree Fm HT component	Te-o	33.1N	74.3	204.5	-23	20	3.5	,91	B/100	59	22	12.0N	2	3.5			565
4,HIM	L & U Murree Fm Int component	Te-o,ovp	33.1N	74.3	195.5	-36.5	62	5	,14	F/0	71	23.5	20.3N	3.5	6			566
4NHIM	Tinau Khola Siwaliks	Tm	27.7N	83.5	342.5	21.8	11.6	4.8	,82	B/100	66.8	132	11.3N	2.7	5.1			7095
3NHIM	Surai Khola Siwaliks	Tm-Qp	28N	82	358.3	19.9	13	2	,436	B/100	72.2	87.5	10.3N	1.1	2.1			6129

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1 Deoban Grop. Late Palaeozoic marine fossils in overlying sediments
2 Chamoli Fm, Gahrwal Group. Underlying sediments with O-S fossils. Dispersion increases somewhat upon bedding correction
3 Late Maastrichtian (67 Ma) to Early Palaeocene (61 Ma). Ar/Ar age 65.5±2.5 Ma, see REFNO 393
4 Middle Eocene
5 Early to early Middle Eocene, overprint related to MCT
6 Early Eocene
7 Rb-Sr age 46.5 Ma, K/Ar age 49.5±1.7 Ma, Fission track age 46±5 Ma
8 Dispersion slightly increases upon bedding correction
9 Punjabian and Djulfian age
10 Krew Trm-Tru, Barsu Tre, Naubug Tr
11 Incorrect spelling in D/B, should be Syringothyris Lst, Early Tournaisian
12 Oligo-Miocene overprints
13 Early Tertiary remagnetization
14 Regarded as primary, but Early Tertiary remagnetization possible!
15 K-Ar age 64±4 Ma
16 Combined RESULTNOS 2873,2998
17 K/Ar date by Hebeda 60.0±3.0 Ma, not mentioned in DB
18 Ar/Ar age 116±1 Ma, REFNO 2193; K/AR age 102-107 Ma, REFNO 633
19 Combined RESULTNO 2999,3045,3487
20 Correlated with DT (63-68 Ma) or Rajmahal Traps (102-107 Ma). Probably intermediate between Deccan Traps (67.5 Ma) and Rajmahal Traps (116-117 Ma)
21 Lower to middle Cretaceous
22 Stratigraphic control uncertain, could be Precambrian beds sampled in error
23 Current stratigraphic control Late Carboniferous-Early Permian
24 Early Jurassic age more probable, No change in dispersion upon bedding correction
25 Middle Cretaceous, probably Aptian
26 Includes data from REFNOS 274,330,338,347
27 Probably same age as Rajmahal Traps, see footnote 18
28 Selection of all previous studies + REFNO 824. Erroneously indicated in D/B as B/100
29 Note, B/100 indicated in D/B, this is questionable
30 Mean pre-1991, flows with ED95<5. Directions inverted from VGP means
31 May be related to Deccan volcanism. Ar/Ar age 69±1 Ma
32 K/Ar age 81±3 Ma
33 Possibly Triassis-Jurassic overprint
34 Late Early Permian
35 Carnian to Early Norian
36 Deccan Trap overprint?
37 Rhaetic
38 Late Early Triassic to Early Jurassic, possibly Rhaetic. Probably a Deccan Trap overprint
39 ACTK result,alternative to AVKA result
39 Early Aptian
40 Wealden, underlies Dzong Sst
41 Liassic
42 Rhaetic
43 Ladinian to Carnian
44 MCT-related overprint. D/B erroneous here in combining N and R groupings
45 Early Carnian age, folding ~45 Ma
46 Post-folding component (folding ~45 Ma)
47 KD value in D/B incorrect, should be 3.7 instead of 37
48 Late Precambrian or possibly Cambrian
49 Combined RESULTNOS 2047,2496,2497,2884
50 Late Precambrian or possibly Early Cambrian, beds subhorizontal
51 Younger than Rewa Sst. (ROCKUNIT 2120), possibly Early Cambrian
52 Result corrected for local or regional rotation (e.g. oroclinal bending model)

Additional data sources: AVKA= Agarwal (1980); ACTK= Klootwijk, unpublished

Tectonic unit legend: HIM= Himalaya; NHIM= Nepal Himalaya

TABLE 1.5 PAKISTAN

CAMBRIAN - RECENT (CR= Rotation corrected result)

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4 TIN SR	Khewra Sst Comp-A	CBe	32.2N	71	203	31.5	40.5	8	,9	B/100	36	43.5	17.0	5	9			573
4,CR[35]		CBe	32.2N	71	243	31.5	40.5	8	,9	B/100	12.2	10.4	17.0	5.0	9.0			573
4 TIN SR	Khewra Sst Comp-B[30]	CBe,ovp	32.2N	71	321.9	25	66.9	14	,13	F/0	50.3	141.2	13.1N	8.1	15			625
4,CR[35]	Khewra Sst Comp-B[30]	CBe,ovp	32.2N	71	1.9	25	66.9	14	,13	F/0	70.9	65.4	13.1N	8.1	15			625
2 SR	Purple Sst[32,33]	CBe	32.7N	73	218	31.5	15	12	,11	B/100	28	32	17.0	11	11			3170
2,CR[35]	Purple Sst[32,33]	CBe	32.7N	73	243	31.5	15	12	,11	B/100	12.0	12.5	17.0	7.5	13.5			3170
4 TIN SR	Jutana Fm[31]	CBe-m	32.2N	71	202.5	53.5	9	11	,21	B/100	20.5	51	34.1	11	15.5			574
4,CR[35]	Jutana Fm[31]	CBe-m	32.2N	71	242.5	53.5	9	11	,21	B/100	1.5	23.7	34.1	11.7	15.3			574
2 SR	Salt Pseudomorph Beds[32,34]	CBm	32.7N	73	217.2	35.6	129	5.9	6,43	B/100	26.6	33.5	19.7	5.1	5.1	(176)	(5.1)	2716
2,CR[35]	Salt Pseudomorph Beds[32,34]	CBm	32.7N	73	242.2	35.6	129	5.9	6,43	B/100	10.8	15.0	19.7	4.01	6.8			2716
* HAZ	Nowshera Reef Samp-N[30]	Sl-Dm, ovp	34.2N	72.0	341.9	20.1	28.4	6.4	,19	F/0	61.0	111.1	10.4N	3.5	6.7			ACTK
* HAZ	Nowshera Reef Samp-R[30]	Sl-Dm, ovp	34.2N	72.0	157.7	-6.3	13.8	4.6	,75	F/0	52.7	110.6	3.2N	2.3	4.6			ACTK
* HAZ	Nowshera Reef Site-N+R[30]	Sl-Dm, ovp	34.2N	72.0	157.1	-7.7	29.8	8.1	12,94	F/0	52.9	112.1	3.9N	4.1	8.1			ACTK
3 CHI	Kuragh Ironst[21]	Dl,ovp	36.2	72.5	318	-6.5	14	16.5	7,119	B/100	34.5	126	3.3	8.5	16.5			609
4 CHI	Chitral Seds[30]	Dm-Ke,ov	36.2N	72.1	314.1	6	198.2	6.5	4,327	B/100	36.1	135.3	3.0N	3.3	6.5			7511
4 BAL	Alozai Fm-A	Cl-Pe	30N	66.9	276.5	-66	6.1	12.1	3,36	B/100	18.1N	111	48.3	16.1	19.7			233
4 BAL	Alozai Fm-B[13]	Cl-Pe,ov	30N	66.9	147	-25.4	15.2	7.7	3,36	B/100	55.2	135.3	13.4N	4.5	8.3			234
3 SR	Speckled Sst	Pe	32.6N	72.6	92.2	46.7	50	7.3	9,86	B/100	13	317.5	28.0	5.1	9.5			2895
3,CR[35]	Speckled Sst	Pe	32.6N	72.6	117.2	46.7	50	7.3	9,86	B/100	5.0	124.7	28.0	6.1	9.4			2895

3 SR	Wargal & Chhidru Fms Charact	Pl	32.6N	71.8	289.3	-50.3	10.7	4.3	,113	B/100	2.2N	125.8	31.1	3.8	5.7	(4.9)	6364
3,CR[35]	Wargal & Chhidru Fms Charact	Pl	32.6N	71.8	259.3	-50.3	10.7	4.3	,113	B/100	24.3N	139.3	31.1	3.9	5.8		6364
3 SR	Wargal & Chhidru Fms Overpr[28]	Pl, ovp	32.6N	71.8	339.3	0.9	6.8	10.7	,31	B/100	52.4	107.2	0.5N	5.4	10.7	(10.3)	6365
4 SR	Chhidru Fm[16]	Pl	33N	71.2	150	45	10	20	,7	B/100	24	100.5	26.6	25	26.5		575
4,CR[35]	Chhidru Fm[16]	Pl	33N	71.2	120	45	10	20	,7	B/100	7.6	122.6	26.6	16.0	25.3		575
4 BAL	Loralai Lst[8]	Jm	30.3N	68.4	338.3	-42.9	8.8	8	,75	B/100	31	91.6	24.9	6.1	9.9		227
4,CR[35]	Loralai Lst[8]	Jm	30.3N	68.4	288.3	-42.9	8.8	8	,75	B/100	1.9	127.9	24.9	6.1	9.9		227
4 BAL	Chiltan Lst[12]	Jl	30.2N	67	103.8	38	16.9	10.4	,30	B/100	0.5	131.8	21.3	7.3	12.3		232
* BAL	Dioritic? dykes, Spinatizha	Kl?	30.6N	66.3	283	-0.9	11.4	16.0	1,9	F/0	10.9	149.3	0.5	8.0	16.0		ACTK
* BAL	Dioritic? dykes, Spinatizha	Kl?, ovp	30.6N	66.3	292.6	55.0	25.8	2.9	1,96	F/0	34.3N	0.7	35.5N	2.9	4.1		ACTK
4 BAL	Parh Grp Lst[7]	Ke-l	30.3N	68.4	359.3	-40.6	32.5	2.9	,72	B/100	36.5	69.3	23.2	2.1	3.5		226
4,CR[35]	Parh Grp Lst[7]	Ee-l	30.3N	68.4	309.3	-40.6	32.5	2.9	,72	B/100	17.7	116.7	23.2	2.1	3.5		226
4 BAL	Parh Grp Lst-A[11]	Ke-l	30.2N	60.7	307	-43.6	16.5	3.9	,51	B/100	14.7	108.9	25.5	3	4.8		230
4 BAL	Parh Grp Lst-B[11]	Ke-l,ovp	30.2N	60.7	140.7	-33.1	34.1	7.8	,29	B/100	52.3	141.1	18.1N	5.1	9		231
4 BAL	Fort Munro Fm-A[4]	Kl	30N	70.1	139	32.7	12.6	27	,4	B/100	28	115.2	17.8	17.2	30.4		221
4 BAL	Fort Munro Fm-B[4,5]	Kl,ovp	30N	70.1	25.4	23.9	21.5	5.4	,34	B/100	60.7	11.2	12.5N	3.1	5.8		222
4 BAL	Brewery Lst bas[10]	Kl,ovp	30.2N	67	144.1	-28.8	44.1	3.3	,26	B/100	54	140.9	15.4N	2	3.6		229
4 BAL	Brewery Lst top[9]	Tpa	30.2N	67	331.6	8.4	8.5	22	,13	B/100	52.7	118.5	4.2N	11.1	22.1		228
4 SR	Hangu Fm[17]	Tpa	32.7N	71.8	173	-2.5	5	14	,26	B/100	58	85	1.3N	7	13.5		577
4,CR[35]	Hangu Fm[17]	Tpa	32.7N	71.8	143	-2.5	5	14	,26	B/100	43.1	127.3	1.3N	7.0	14.0		577
4 SR	Lockhart Lst	Tpa	33N	71.4	335	-13	11	8.5	,28	B/100	44	107	6.6	4.5	9		576
4 SR	Lockhart Lst	Tpa	32.7N	71.8	18	-10.5	12	8	,30	B/100	48.5	44	5.3	4	8		578
4,CR[35]	Lockhart Lst	Tpa	32.7N	71.8	348	-10.5	12	8	,30	B/100	50.3	90.7	5.3	4.1	8.1		578
4 BAL	Khadro Fm[3]	Tpa,ovp	30N	70.1	169.3	-5.6	38.6	3.2	,37	B/100	61	92.7	2.8N	1.6	3.2		220
4 BAL	Sanjawi Lst[6]	Tpa-e	30.3N	68.4	22	15	13.5	14.5	,67	B/100	59.4	21.8	7.6N	7.7	14.9		225
4,CR[35]	Sanjawi Lst[6]	Tpa-e	30.3N	68.4	332	15	13.5	14.5	,67	B/100	55.3	123.3	7.6N	7.7	14.9		225

0?SR[19]	Sakesar Lst[16]	Te	32.7N	71.8	9	-3	13.5	9.5	,20	B/100	55	55	1.5	4.5	9.5	579
0?CR[35]	Sakesar Lst[16]	Te	32.7N	71.8	339	-3	13.5	9.5	,20	B/100	50.5	106.0	1.5	4.8	9.5	579
4 BAL	Spintangi Lst[14]	Te	29.9N	66.7	138	50.2	12.5	11.3	,30	B/100	17	103.8	31.0N	10.1	15.1	235
4 BAL	Habib Rahi Lst-A[1]	Te	30N	70.1	21.6	19	173	13.8	,37	B/100	61.5	20.7	9.8N	7.56	14.4	218
3 SR	Murree Fm[29]	Te	34.2N	73.6	202.5	-17.2	10	9.3	,27	B/100	57.3	29.2	8.8N	5	9.6	7013
3,CR[35]	Murree Fm[29]	Te	34.2N	73.6	272.5	-17.2	10	9.3	,27	B/100	2.9N	154.9	8.8N	5.0	9.6	7013
4 BAL	Habib Rahi Lst-B[2]	Te,ovp	30N	70.1	176.4	-52.4	36.8	9.3	,37	B/100	85.7	205.3	33.0N	8.8	12.8	219
3 SR	L Siwaliks[27]	Tm	32.8N	73	1.4	28.1	51.7	17.3	3,30	B/100	72.1	68.7	15.0N	10.3	19	2853
3,CR[35]	L Siwaliks[27]	Tm	32.8N	73	26.4	28.1	51.7	17.3	3,30	B/100	60.1	13.4	15.0N	10.3	19	2853
3 SR	L-M Siwaliks Chinji & Nagri Fms[26]	Tm	32.8N	72.5	350.5	28.6	250.8	15.8	104,	B/100	70.4	100.9	15.3N	9.5	17.4	1142
3,CR[35]	L-M Siwaliks Chinji & Nagri Fms[26]	Tm	32.8N	72.5	15.5	28.6	250.8	15.8	104,	B/100	67.5	30.1	15.3N	9.5	17.4	1142
3 SR	Middle Siwaliks Group-1[25]	Tm-Tp	32.8N	72.9	326.9	34.7	380.8	4.7	4,207	B/100	57.4	146.6	19.1N	3.1	5.4	1136
3,CR[35]	Middle Siwaliks Group-1[25]	Tm-Tp	32.8N	72.9	1.9	34.7	380.8	4.7	4,207	B/100	76.2	65.4	19.1N	3.1	5.4	1136
3 SR	Middle Siwaliks Group-2[25]	Tm-Tp	32.8N	72.5	353.1	36.1	826	4.3	3,137	B/100	75.8	99.9	20.0N	2.9	5	1137
3,CR[35]	Middle Siwaliks Group-2[25]	Tm-Tp	32.8N	72.5	18.1	36.1	826	4.3	3,137	B/100	69.4	16.4	20.0N	2.9	5.0	1137
3 SR	Bhittani Marwat Khasor Ranges, Siwalik Group[15]	Tp-Qp	32.4N	70.9	355.5	35	66.7	4.3	18, 1000	B/100	76.3	89.1	19.3N	2.9	5	404
3 SR	Upper Siwaliks, Bhittany Rng, Bain Pass[22]	Tp-Qp	32.5N	70.6	0.8	33.6			40	F/0	75.9	67.5	18.4N			830
3 SR	Upper Siwaliks, Soan Valley[20]	Tp-Qp	33.5N	73.1	164	-29	30.2	4	,47	B/100	66.9	115.7	15.5N	2.4	4.4	600
3 SR	Upper Siwaliks[24]	Tp-Qp	33	73	353.6	38.9	53.6	5.5	14,253	B/100	77.6	101.8	22.0N	3.9	6.6	1135
3 SR	Upper Siwaliks, Bhittany Rng, Pezu[23]	Qp	32.3N	70.7	358.6	29.7			26	F/0	73.6	75.5	15.9N			831

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1 Early Middle Eocene
2 Early Middle Miocene. Secondary component prefolding, probably Late Tertiary

3 Danian, secondary magnetization, probably Early Tertiary age
4 Late Campanian to Early Maastrichtian
5 Secondary magnetization, probnably Early Tertiary in age
6 Upper Palaeocene to Lower Eocene, 50 degrees rotation?
7 Parh Lst: Coniacian-Santonian; Goru Lst : Aptian/Albian-Coniacian
8 Correlated with Chiltan Lst (ROCKUNIT 217)
9 Overlies Parh Lst (ROCKUNITNO 216, RESULTNO 230)- Late Palaeocene (top)
10 Upper Maastrichtian at base, regarded as Early Tertiary overprint
11 Aptian/Albian to Turonian/Coniacian, B-component may be Early Tertiary remagnetization
12 Top part of Formation Oxfordian to Lower Kimmeridgian
13 Early Tertiary remagnetization
14 Lower to Middle Eocene
15 Mean of 18 sections (271 sites)
16 Djulfian age
17 Early Palaeocene
18 Early Eocene
19 Suppose DEMAGCODE is 4 not 0?
20 Magnetostratigraphic ages 1.8-2.2 Ma. AF not towards origin, stable end points
21 Chitral, north of Indus Suture continuation, probably earliest Tertiary overprint, slight increase in disperison upon bedding correction
22 Age less than 2.8 Ma
23 Age Olduvai to near Brunhes/Matuyama boundary
24 Fissian track age on interbedded tuffs 2.3 & 2.5 Ma, very recent folding at 0.5 Ma, 7 sections combined, 253 sites, 7N+7R combined
25 Sections rotated counter-clockwise
26 K/Ar on tuffs from Nagri Fm 9.5 Ma
27 Upper Burdigalian to Helvetian age
28 Palaeocene to Oligocene overprint?
29 Early to middle Miocene
30 Early Tertiary remagnetization
31 Late Early to early Middle Cambrian
32 Salt Range probably rotated
33 Underlies upper Lower Cambrian sediments. Now called Khewra Sst
34 Now called Baghanwala Fm
35 Result corrected for rotation (e.g. oroclinal bending model)

Additional sources: ACTK= Klootwijk unpublished

Tectonic unit legend: BAL= Baluchistan; CHI= Chitral; HAZ= Hazara; SR= Salt Range; TIN SR= Trans Indus Salt Range

TABLE 1.6 INDIA - NEPAL - PAKISTAN MEAN POLE POSITIONS

CAMBRIAN - RECENT

SITE					DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
	Inpak Cbe	Cbe	28.7N	77.2	226.7	26.4			7	B/100	27.9	24.1	13.9			13.7	16.9	
	Inpak Cbe>525	>525 Ma	28.7N	77.2	223.5	21.0			6	B/100	32.3	24.1	10.9			15.8	17.4	
	Inpak Cbm	Cbm	28.7N	77.2	247.5	42.2			2	B/100	6.2	19.4	24.4			81.5	28.0	
	Inpak S1-S2	S1-S2	28.7N	77.2	262.5	40.5			2	B/100	4.8N	11.0	23.1			2.7	-	
	Inpak Nam-Steph	Cl	28.7N	77.2	102.1	68.5			6	B/100	15.3N	116.0	51.8			9.2	23.3	
	Inpak P1	P1	28.7N	77.2	105.8	61.7			3	B/100	8.7N	122.7	42.9			25.5	24.9	
	Inpak P2	P2	28.7N	77.2	92.9	63.0			9	B/100	17.7N	125.7	44.4			14.6	13.9	
	Inpak Tr3	Tr3	28.7N	77.2	126.1	37.4			16	B/100	18.1	129.8	20.9			64.1	4.6	
	Inpak J1	J1	28.7N	77.2	116.5	40.2			2	B/100	10.0	134.0	22.9			33.7		
	Inpak J2	J2	28.7N	77.2	124.3	53.3			4	B/100	8.2	121.1	33.9			12.1	27.5	
	ODP121	84.0 Ma	28.7N	77.2	155.3	48.8					27.0	101.2	29.7				5.0	
	ODP121	73.5 Ma	28.7N	77.2	157.8	37.6					35.8	103.0	21.1				5.0	
	ODP121	68.5 Ma	28.7N	77.2	157.6	30.6					39.9	105.7	16.5				5.0	
	DT N Fischer	~68 Ma	28.7N	77.2	142.5	35.5					29.6	118.5	19.6			14.1	18.5	
	DT N frequency	~68 Ma	28.7N	77.2	130.8	26.7					26	132	14.1					
	DT R Fischer	~67.7 Ma	28.7N	77.2	160.9	43.8					32.7	97.7	25.6			42.9	3.2	
	DT R frequency	~67.7 Ma	28.7N	77.2	157.8	43.3					32	101	25.2					
	DT N Fischer	~67.1 Ma	28.7N	77.2	160.3	34.1					38.9	101.4	18.7			22.8	5.4	
	DT N frequency	~67.1 Ma	28.7N	77.2	156.6	38.2					35	104	21.5					
	ODP 121	~65 Ma	28.7N	77.2	156.8	20.2					44.9	110.4	10.4				5.0	
	ODP 121	~60 Ma	28.7N	77.2	160.4	4.0					54.0	112.0	2.0				5.0	
	ODP 121	~55 Ma	28.7N	77.2	161.0	-13.4					61.7	120.1	6.8N				5.0	
	ODP 121	~55 Ma	28.7N	77.2	161.0	-12.8					61.4	119.8	6.5N				5.0	

ODP 121	~50 Ma	28.7N	77.2	161.3	-16.7	63.2	122.0	8.5N	5.0
ODP 121	~45 Ma	28.7N	77.2	161.7	-20.7	65.1	124.5	10.7N	5.0
ODP 121	~40 Ma	28.7N	77.2	161.9	-24.3	66.8	127.4	12.7N	5.0
ODP 121	~35 Ma	28.7N	77.2	163.0	-27.8	69.0	129.2	14.8N	5.0
ODP 121	~30 Ma	28.7N	77.2	166.4	-30.6	72.5	125.8	16.5N	5.0
ODP 121	~25 Ma	28.7N	77.2	169.3	-33.4	75.7	122.6	18.3N	5.0
ODP 121	~20.5 Ma	28.7N	77.2	171.6	-35.4	78.1	118.9	19.6N	5.0
ODP 121	~20 Ma	28.7N	77.2	171.7	-36.1	78.5	119.9	20.0N	5.0
ODP 121	~10.5 Ma	28.7N	77.2	173.5	-41.3	82.3	128.2	23.7N	5.0

Legend: Fischer= mean based on Fisherian statistics. Frequency= mean based on frequency analysis

TABLE 1.7 NEW ZEALAND

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Takitimu Group[21]	Pe	46	168	257.2	46.1	39.2	9.1	7,67	B/100	27.8	89.6	27.5	7.3	11.4			6560
4	White Hill Intrusive Suite	Pl	46	168	173.3	64.6	75.9	10.6	4,28	B/100	85.3	245.2	46.5	13.7	17.1			6561
3	Northland Penins Rocks[22]	P-J,ovp	35.5	174.2	14.4	-70.2	38.6	7.1	12,64	F/0	68.8	150.6	54.2	10.6	12.2			6588
3	Glenham Porphyry[8]	Trl-Je	46.4	169	343	78	29	5.6	24,141	B/100	24	162	67.0	9.2	5.6			1177
3	Buller Gorge dykes[9]	Kl	41.8	171.5	3	-80	27.3	6	22,41	B/100	60.6	169.2	70.6	11	11.5			1188
3	Mount Somers Volcs[5]	Kl	43.7	171.4	354	-85	31.7	3.8	46	B/100	52	174	80.1	7	7	(10)	(7)	1149
3	Chatham Island Volcs[15]	Kl	44	356.5	2	-75	49	3.8	29,84	F/0	70.3	182.2	61.8	6.2	6.2	)20)	(6.2)	2163
3	Chatham island Volcs[14]	Te	44	356	191	58	32	13.7	4,11	F/0	83.3	74	38.7	18.3	18.3	(19)	(18.3)	2162
2	Hinakura Seds[4]	Tm	43	173	30.1	-63.1	82.3	3.4	,21	B/100	68.3	97.6	44.6	4.2	5.4			665
2	Cape Campbell Seds[3]	Tm	41.7	174.2	20	-65.6	27	4.7	,33	B/100	74.6	114.3	47.8	6.2	7.6			664
2	Montunau River Seds[2]	Tm	41.3	175.5	353.7	-57.8	6.7	9	,36	B/100	84.4	294	38.5	9.7	13.2			663
4	Dunedin Volcs[10]	Tm	45.8	170.6	0.2	-66	31.9	7.1	14,44	F/0	86.6	177	48.3	10.9	10.9	(14.3)	(10.9)	1572
4	Diamond Harbour Group[13]	Tm	43.6	172.8	165	75.3	45	6.9	11,33	F/0	68.6	192.1	62.3	11.7	11.7	(16.1)	(11.7)	1575
4	Akaroa Volcano[12]	Tm	43.8	173	172.6	52.9	24.1	4.1	52,173	F/0	79.7	317.6	33.5	4.7	4.7	(18.7)	(4.7)	1574
4	Lyttleton Volcano[11]	Tm	43.6	172.8	176.7	60.8	30.5	5.2	26,83	F/0	87.7	266.3	41.8	6.9	6.9	(18)	(6.9)	1573
2	Stoddart Fm[16]	Tm	43.7	172.7	156.1	79.6	90.1	2.3	44,160	F/0	61.1	189.5	69.9	4.2	4.4			3039
2	Akarao Volcano[17]	Tm	43.7	172.7	177.3	54.9	13.8	4.7	70,140	F/0	81.5	338.5	35.4	4.7	6.7			3040
3	Blind Riv Seds[23]	Tm	41.7	174	214	58.4	35.6	3.2	,57	B/100	64.1	89.7	39.1	3.5	4.7			6653

3	Miocene Seds[24]	Tm	38	178	15.8	-41.9	66.3	5.1	13,282	B/100	70.7	46.7	24.2	3.8	6.3		6654
3	Upton Brook Seds	Tm	41.7	174	205.4	60	43	1.5	,217	B/100	71	90	40.9	1.7	2.3		6658
3	Upton Fm, Awatere Grp	Tm	41.8	174.1	208.3	59.9	40.7	1.2	,349	B/100	68.8	90.9	40.8	1.4	1.8		7503
3	Chatham Island Volcs[13]	Tm-p	44	356.5	354	-62	208	5.3	5,16	F/0	86.2	271.5	43.2	6.4	6.4	(143) (6.4)	2161
3	Blind Riv Seds[27]	Tp	41.7	174	212.6	59.5	37.5	2	,132	B/100	65.5	91.8	40.3	2.3	3		6657
3	Wanganui Basin Seds[1]	Tp-Qp	39.5	175	1.3	-59		5		B/100	89	100.2	39.8	5.6	7.5		563
1	Taupo Ignimbr[26]	Qp	38.5	175.5	177.6	67.2	31	6.1	19,208	F/0	78.4	183.2	50.0	8.4	10.1		6656
2	Ignimbrites Matahama Basin[7]	Qp	38.1	176.2	182.9	40.6	29.6		2,16	F/0	74.9	6.5	23.2				1151
0	Whakamara Ignimbrites[19]	Qp	38	176	350	-65			3,52	F/0	78	212	47.0				3718
3	Castlecliffian Tuffs[25]	Qp	41.5	175.5	176	53	28.8	9.1	8,33	F/0	81.5	332.5	33.6	8.7	12.6		6655
3	Wanganui Basin Seds[28]	Qp	40	175.3	188.2	53.4	28	3.4	63,323	F/0	81.1	45.1	34.0	3.3	4.7		7149
3	Auckland Volcanic Field[20]	Qp-r	37	174.5	0.9	-57.9	50.7	5.1	17,132	F/0	87.3	168.5	38.6	6.7	6.7	(29.5) (6.7)	6389
2	North Island Volcs[10]	Qp-r	37.4	173.8	2	-63.1	49	4.5	22,176	F/0	82.5	166.2	44.6	6.9	6.9	(21.2) (6.9)	3183
3	Rangitoto Island lavas[6]	Qr	36.8	174.9	0.2	-61.7	626.9	1.8	11,99	F/0	83.9	173.3	42.9	2.2	2.8		1150

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1 Fission track ages, top 1.06 Ma, base 4.2-4.3 Ma
2 Tongaporutuan to Opoitian age
3 Tongaporutuan age
4 Late Tongaporutuan age
5 K/Ar age 92-98 Ma
6 C14 ages AD 850-1800 yrs
7 Fission track ages 0.72, 1.03 Ma, older than Brunhes Epoch
8 K/Ar ages mostly 190±5 Ma, with one date 230±5 Ma, folding post-Jm and pre-Tertiary. D/B sign error in inclination?
9 K/Ar ages 78-84 Ma. Intrudes Porari Group
10 K/Ar ages 10.5-13.5 Ma
11 K/Ar ages from 10.6±0.3 Ma to 12.2±0.4 Ma
12 K/Ar ages from 8.2 Ma to 9.4 Ma
13 K/Ar ages 6.0 to 8.2 Ma
14 K/Ar ages 36-40 Ma
15 K/Ar ages 70-80 Ma
16 K/Ar age 5.85±0.04 Ma
17 K/Ar ages 8.4 to 9.1 Ma
18 Brunhes Epoch
19 Upper Pleistocene
20 TL and C14 ages 140 Ka to 1400 AD

21 Artinskian age
22 Remagnetized, age Middle to Late Tertiary determined from APWP
23 Upper Miocene, reversed part of Chron 5, see REFNO 2580 for revised mean result including these data
24 Altonian to Otaian age
25 K/Ar age 0.4 to 1.0 Ma
26 K/Ar ages of 0.6 to 1.6 Ma, fission track 0.3 to 1.1 Ma
27 Includes data from REFNO 2576
28 Fission track ages 0.45 to 1.63 Ma, age range suggested 0.6-1.6 Ma

TABLE 2 LAURASIA

2.1 Siberian Platform
2.2 Siberia - mean poles

TABLE 2.1 SIBERIAN PLATFORM

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Udzha River Dolerites[64]	PT2-V	71.5N	116	32	-12	88	5	1,10	B/100	9N	264	6.1N	2.6	5.1			5622
0	Belyaya & Maya Rivers Lst[63]	V	59.5N	135	159	-18	7	21	2,18	B/100	40N	342	9.2	11.3	21.8			5621
4	Lena River Seds[49]	CBe	61N	126.8	58.1	3.9	11.7	6.2	,50	B/100	16.6	64.5	2.0	3.1	6.2			1131
0	Podhrasnotsvetna ya Group[53]	CBe	60.5N	120.5	345	-58	5	8	9,34	B/100	10	313	38.7N	8.7	11.8			5401
0	Charsk Group[53]	CBe	60.5N	121	135	-59	10	11	3,22	B/100	54N	15	39.8	12.3	16.4			5402
2	Emyaksa Group[56]	CBe	68.5N	112.5	147	-40	12	9	4,20	B/100	39N	333	22.8	6.5	10.8			5428
2	Pestotsvetna Group[58]	CBe	59.5N	135	328	39	21	8	12,19	B/100	46N	1	22.0	5.7	9.5			5429
0	Podkrasnots & Charsk Grps combined[59]	CBe	60.5N	120.8	153	14	2	13	28,56	B/100	19N	330	7.1N	6.8	13.3			5449
1	Inican River Seds[61]	CBe	59N	135	341	32	435	4	2,18	B/100	46N	342	17.4	2.5	4.5			5470
2	Udzha River Sediments[62]	CBe	71.5N	116	341	28	11	7	40,40	B/100	32N	317	14.9	4.2	7.7			5471
1	Olenek River Seds	CBm	68N	112	161	-11	5	9	37,58	B/100	26N	314	5.6	4.6	9.1			5395
0	Ust'Botoma Grp	CBm	61.5N	129	314	36	10	10	12,24	B/100	38N	8	20.0	6.7	11.6			5396
0	River Amga Seds	CBm	60.5N	131	322	38	21	7	11,22	B/109	43N	3	21.3	4.9	8.3			5397
0	Ust'Maya & Chaya Groups Loc-1	CBm	60N	135	342	33	42	3	44,44	B/100	46N	340	18.0	1.9	3.4			5398
0	Ust'Maya & Chaya Gourps Loc-2	CBm	60N	135	334	34	25	5	22,22	B/100	45N	350	18.6	3.3	5.7			5399
0	Ust'Maya & Chaya Gourps Combined	CBm	60N	135	338	33	31	3	49,76	B/100	45N	345	18.0	1.9	3.4			5400
3	Olenek River Groups Loc-1	CBm	68N	112	151	-22	32	5	,8	B/100	30N	325	11.4	2.8	5.3			5417

3	Olenek River Groups Loc-2	CBm	68N	112	152	-28	19	5	,12	B/100	34N	325	14.9	3	5.5	5418
3	Olenek River Groups Loc-3	CBm	68N	112	159	-38	22	10	,24	B/100	41N	318	21.3	7.1	11.8	5419
3	Olenek River Groups Combined[55]	CBm	68N	112	156	-33	14	12	,44	B/100	38N	321	18.0	7.7	13.6	5420
3	Olenek River Seds Combined	CBm	68N	112	156	-24	44	13	69,102	B/100	31N	321	12.6	7.4	13.9	5448
2	Olenek River Sediments[60]	CBm	71N	122.5	169	-32	7	7	4,73	B/100	36N	315	17.4	4.4	7.9	5469
1	Ust'Maya & Amga Groups Loc-1	CBm	60N	133	167	-35	44	7	12,12	B/100	48N	333	19.3	4.6	8.1	5421
1	Ust'Maya & Amga Groups Loc-2	CBm	60N	133	163	-27	22	12	9,9	B/100	41N	335	14.3	7.1	13.1	5422
0	Ust'Maya & Amga Groups Combined[56]	CBm	60N	133	165	-32	30	6	21,21	B/100	45N	334	17.4	3.8	6.8	5423
2	Lena River Seds	CBm	71N	128	148	-44	22	5	2,29	B/100	41.3N	347.4	25.8	3.9	6.3	5474
1	Upper & Middle Chernoles Group[57]	CBm	61.5N	135.5	159	-36	37	2	4,60	B/100	45N	344	20.0	1.3	2.3	5424
2	Evenkiisk Group	CBl	58N	97	147	-24	8	7	96,615	B/100	37N	320	12.6	4	7.5	5384
1	Middle Verkholensk Grp	CBl	58N	109	165	-15	9	4	6,104	B/100	39N	309	7.6	2.1	4.1	5411
0	Verkholensk Grp	CBl	54N	102	162	-13	12	8	15,28	B/100	40N	304	6.6	4.2	8.2	5385
0	Verkholensk Grp	CBl	54N	106	160	2	5	12	5,35	B/100	33N	310	1.0N	6	12	5386
2	Verkholensk Grp Locality-1	CBl	54.3N	104.6	155	-8	30	10	10,108	B/100	35N	316	4.0	5.1	10.1	5387
2	Verkholensk Grp Locality-2	CBl	54N	104.5	152	-20	45	11	2,39	B/100	40N	322	10.3	6	11.5	5388
2	Verkholensk Grp Locality-3	CBl	54.5N	104.5	167	18	42	12	4,45	B/100	25N	298	9.2N	6.5	12.5	5389
2	Verkholensk Grp Combined[44]	CBl	54.3N	104.6	157	-4	33	6	16,192	B/100	34N	314	2.0	3	6	5390
1	Verkholensk Grp	CBl	57N	107	166	-14	8	9	18,36	B/100	39N	305	7.1	4.7	9.2	5391
0	Verkholensk Grp Locality-1	CBl	58N	108	166	-12	7	6	1,53	B/100	37N	305	6.1	3.1	6.1	5392
0	Verkholensk Grp Locality-2[51]	CBl	58N	108	171	-8	11	7	2,21	B/100	36N	299	4.0	3.6	7.1	5393

0	Verkholensk Grp Combined[52]	CBl	58N	108	168	-10	8	5	3,74	B/100	38N	304	5.0	2.6	5.1	5394
2	Verkholensk Grp	CBl	54.5N	105.5	158	-5	14	3	5,167	B/100	36N	314	2.5	1.5	3	5403
0	Verkholensk Grp	CBl	59N	106.5	163	-12	6	5	88,148	B/100	36N	308	6.1	2.6	5.1	5404
1	Verkholensk Grp	CBl	60N	114	189	-8	10	7	40,66	B/100	34N	283	4.0	3.6	7.1	5407
0	Verkholensk Grp	CBl	60N	118	177	-8	9	9	19,33	B/100	34N	302	4.0	4.6	9.1	5408
1	Verkholensk Grp Locality-1	CBl	58N	109.5	161	-17	12	5	1,70	B/100	39N	315	8.7	2.7	5.2	5413
1	Verkholensk Grp Locality-2	CBl	58.5N	110	174	-14	6	10	2,39	B/100	38N	298	7.1	5.2	10.2	5414
1	Verkholensk Grp Locality-3	CBl	58.5N	110	171	-9	5	6	2,105	B/100	36N	301	4.5	3.1	6.1	5415
1	Verkholensk Grp Combined[54]	CBl	58.3N	109.7	168	-11	300	5	6,240	B/100	38N	305	5.6	2.6	5.1	5416
1	U&M Verkholensk Group	CBl	58.7N	111	172	2	8	4	67,159	B/100	30N	299	1.0N	2	4	5438
2	Verkholensk Grp	CBl	55N	105	159	8	13	11	17,96	B/100	29N	309	4.0N	5.6	11.1	5437
1	U Verkholensk Group	CBl	59N	112	358	16	28	2	69,184	B/100	40N	294	8.2	1.1	2.1	5439
2	Verkholensk Group Combined	CBl	54.5N	105.5	158	-3	11	3	11,281	B/100	32N	313	1.5	1.5	3	5445
0	Ilginsk Group	CBl	58N	109.5	348	12	47	4	1,26	B/100	38N	304	6.1	2.1	4.1	5405
1	Chukuk & Markha Groups	CBl	67.5N	110.5	164	-24	5	16	13,19	B/100	35N	310	12.6	9.1	17.1	5406
0	Ilga Group	CBl	58N	109.5	348	12	47	4	1,26	B/100	38N	304	6.1	2.1	4.1	5412
1	LenaRiver Seds Combined	CBl	58N	108.8	166	-13	270	4	136, 193	B/100	36N	306	6.6	2.1	4.1	5446
1	Irkutz Seds comb	CBl	58.6N	110.3	172	-4	6	3	157, 303	B/100	34N	300	2.0	1.5	3	5447
*	Moyero River	CBl	67.5N	104.0	331.7	32.5	30.1	5.7	,22	B/100	37.0N	318.4	17.7	3.6	6.4	GAL[65]
2	Lena River Sills	Cbl-Oe	59.5N	112.5	353	1	7	10	1,28	B/100	33N	301	0.5	5	10	5410
1	Ustkutsk Gp Com[44]	Oe	58.3N	109.6	158	-21	50	13	50,93	B/100	40N	318	10.9	7	13	5310
0	Ustkutsk Group	Oe	58.5N	110	171	-19	30	6	,23	B/100	41N	302	9.8	3	6	5309
1	Ustkutsk Gr Lc-1	Oe	58.2N	108.9	323	20	62	4	,22	B/100	34N	335	10.3	2	4	5306

1	Ustkutsk Gr Lc-2	Oe	58.4N	109.8	166	-23	11	8	,30	B/100	42N	308	12.0	5	9	5307
1	Ustkutsk Gr Lc-3	Oe	58.2N	109.6	153	-20	19	8	,18	B/100	38N	324	10.3	5	9	5308
1	Alakit Riv Lst[43]	Oe	66.5N	110	341	36	24	5	14,27	B/100	42N	314	20.0	3.4	5.8	5305
0	Ustkutsk Group	Oe	57N	104	160	-23	9	12	11,19	B/100	42N	311	12.0	6.8	12.8	5302
0	Ustkutsk Group[43]	Oe	58.5N	110	171	-19	30	6	3,23	B/100	41N	302	9.8	3.3	6.3	5304
0	Kazimirovsk & Ustkutsk Grps	Oe	57N	107	168	-18	6	13	12,24	B/100	42N	303	9.2	7	13.5	5303
1	Moyero Riv Seds	Oe	67.5N	104	318	38	57	3	1,35	B/100	37N	335	21.3	2	4	5328
*	Moyero River[66]	Oe	67.5N	104.0	333.3	37.2	25.7	7.7	,15	B/100	40.4N	317.5	20.8	5.3	9.0	GAL[65]
*	Moyero River[67]	Oe	67.5N	104.0	319.9	32.4	28.7	2.2	,144	B/100	33.9N	331.7	17.6	1.4	2.1	GAL[65]
0	Lena River Seds[41]	Om	60N	118	165	14	19	7	12,27	B/100	22N	314	7.1N	3.7	7.2	5287
0	Lena River Seds[40]	Om	58N	108	159	14	8	13	10,20	B/100	23N	311	7.1N	6.8	13.3	5286
0	Lena River Seds[42]	Om	58N	108	162	16	10	9	15,31	B/100	23N	307	8.2N	4.8	9.3	5288
0	Lena River Seds[43]	Om	60N	118	166	4	11	13	10,20	B/100	27N	314	2.0N	6.5	13	5289
0	Chertovsk Grp[48]	Om	57.5N	108	153	9	33	3	,54	B/100	23N	317	4.5N	1.5	3	5301
2	Lena River Redbeds[45]	Om	60N	114	160	5	11	9	6,21	B/100	25N	317	2.5N	4.5	9	5314
1	Moyero River Sediments Loc-1	Om	67.5N	104	316	13	8	10	1,21	B/100	22N	333	6.6	5	10	5316
1	Moyero River Sediments Loc-2	Om	67.5N	104	317	29	61	4	1,26	B/100	31N	335	15.5	2	4	5317
1	Moyero River Sediments Comb[46]	Om	67.5N	104	316	22	16	5	2,47	B/100	26N	334	11.4	3	5	5318
*	Moyero River[68]	Om	67.5N	104.0	314.5	28.1	30.5	3.9	,45	B/100	29.8N	336.6	14.9	2.3	4.3	GAL[65]
1	Makarovsk Grp	Om-l	57.8N	108	158	10	7	5	6,106	B/100	24N	313	5.0N	2.6	5.1	5333
0	Makarovsk Group	Om-l	60N	114	171	16	7	3	1,218	B/100	22N	304	8.2N	1.6	3.1	5313
1	L Makarovsk Grp	Om-l	58N	108	161	10	8	6	3,78	B/100	25N	308	5.0N	3.1	6.1	5285
0	Makarovsk & Bratsk Grps L-1[45]	Om-l	59N	106.5	157	18	14	5	2,47	B/100	18N	310	9.2N	2.7	5.2	5297
0	Makarovsk & Bratsk Grps L-1[45]	Om-l	58.5N	107	155	13	14	5	2,37	B/100	22N	315	6.6N	2.6	5.1	5298

0	Makarovsk & Bratsk Grps Com[46]	Om-l	58.7N	106.7	156	16	14	4	50,94	B/100	21N	312	8.2N	2.1	4.1	5299
0	Makarovsk Grp[47]	Om-l	57.5N	108	150	10	25	3	3,28	B/100	23N	322	5.0N	1.5	3	5300
0	Lena Riv Seds[47]	Ol	57.8N	108	156	11	17	4	51,69	B/100	22N	314	5.6N	2.1	4.1	5334
1	Lena River Seds[39]	Ol	60N	118	171	17	22	5	2,49	B/100	21N	307	8.7N	2.7	5.2	5283
2	Lower Bratsk Grp	Ol	57N	103	164	23	10	4	66,133	B/100	20N	300	12.0N	2.3	4.3	5284
0	Bratsk Grp Loc-1	Ol	58N	106	155	20	10	4	17,165	B/100	19N	311	10.3N	2.2	4.2	5293
0	Bratsk Grp Loc-2	Ol	58.5N	107	154	17	11	4	3,89	B/100	18N	314	8.7N	2.1	4.1	5294
0	Bratsk Grp Loc-3	Ol	59.5N	107.5	158	12	10	10	9,18	B/100	23N	311	6.1N	5.2	10.2	5295
0	Bratsk Grp Comb[43]	Ol	58.6N	106.8	155	18	10	3	162, 272	B/100	19N	313	9.2N	1.6	3.1	5296
*	Moyero River[69]	Ol	67.5N	104.0	311.4	16.6	47.9	3.7	,32	B/100	22.7N	337.6	8.5	2.0	3.8	GAL[65]
0	Bratsk Grp, Seds	Ol-Se	58.5N	107	179	26	10	6	37,52	B/100	17N	288	13.7N	3.5	6.5	5230
*	Moyero River[70]	Ol-Se	67.5N	104.0	160.4	14.3	17.4	8.1	,20	B/100	13.9	124.1	7.3N	4.2	8.3	GAL[65]
2	Lena River Seds	Se	60.3N	116	195	44	17	9	15,15	B/100	3N	282	25.8N	7	11	5252
1	Tungus Syncl Lst, Loc-1	Se-m	68N	89	112	69	10	7	,49	B/100	40	292	52.5N	10.1	11.9	5238
1	Tungus Syncl Lst, Loc-2	Se-m	68N	89	96	58	15	5	,51	B/100	33	336	387N	5.4	7.4	5239
1	Tungus Syncl Lst, Comb[38]	Se-m	68N	89	102	63	11	4	51,100	B/100	36	328	44.5N	4.9	6.3	5240
5	Uchuro-Maysky area Igns rocks[48]	Sl	58.6N	136.5	317.3	62.5	70.1	6.8	6,51	B/100	60.2	215.9	43.9?			6868
1	Yarsk Grp, Seds	S?	57N	99	225	-74	37	7	8,12	B/100	67	342	60.2N	37	7	5229
2	Tuva Seds	S-De	51.5N	93	164	-3	4	19	4,18	B/100	38N	295	1.5	9	19	5167
2	Olenek Reg Intr	D?	70.5N	120.5	17	-47	18	7	1,26	B/100	9	285	28.2N	5.8	9	5125
0	Zubovo Group	De	69N	88	346	-57	5	14	1,22	B/100	17	280	37.6N	14.8	20.4	5121
2	Kurei & Zubovo Grps Loc-1	De	68N	89	273	-62	20	5	,40	B/100	38	337	43.2N	6	7.8	5122
2	Kurei & Zubovo Grps Loc-2	De	68N	89	285	-74	55	4	,28	B/100	49	316	60.2N	6.5	7.2	5123
2	Kurei & Zubovo Grps Comb-2[34]	De	68N	89	277	-67	24	4	35,68	B/100	43	330	49.7N	5.5	6.6	5124

1	U Chilan Gr, Int	De	53N	90	141	20	5	20	10,10	B/100	18N	311	10.3N	11	21	5136
1	U Matarak Grp, Intrs & Extr	De	56N	93	143	5	4	14	3,21	B/100	24N	313	2.5N	7	14	5137
1	U Matarak & L Abakan Grps	De	56N	93	145	-6	37	7	,12	B/100	30N	315	3.0	3	7	5138
1	U Matarak & L Abakan Grps	De	56N	93	146	1	6	10	26,33	B/100	27N	312	0.5N	5	10	5171
2	Minusa Area Seds	De-m	53N	90	131	14	5	17	13,13	B/100	16N	322	7.1N	9	17	5135
2	River Yenisei Redbeds	Dm	56N	93	301	-60	6	16	12,18	B/100	19N	136	40.9N	18.3	24.2	5103
0	U Mantuvovo Grp	Dm	69N	88	295	-46	9	8	1,44	B/100	17	325	27.4N	6.5	10.2	5119
1	Tungus Synclise Seds	Dm	68N	89	294	-63	17	6	21,41	B/100	32	320	44.5N	7.4	9.4	5120
2	Ygyalta Series, Volcs & Intr[36]	Dm-l,ovp	63.7N	116.5	173	58	13	5	4,66	B/100	13	302	38.7N	6	8	5134
0	Kalargon & Foka Grps	Dl	69N	88	89	77	16	3	3,112	B/100	58	321	65.2N	5.2	5.6	5112
1	Kokhai&Oidanovo Grps[33]	Dl	53N	91	294	-72	10	10	3,30	B/100	33	307	57.0N	15.5	17.6	5133
1	Oidanovo, Kokhai & Tuba Grps[35]	Dl	53N	90	114	7	4	14	36,36	B/100	11N	338	3.5N	7	14	5131
1	Oidanovo Grp[35]	Dl	56N	93	149	-6	9	13	13,13	B/100	31N	310	3.0	6	13	5132
2	Ygyalta Series	Dl	62.6N	115.6	227	80	42	5	4,18	B/100	46N	93	70.6N	9	10	5133
2	Fergana Volcs & Seds[37]	Dl	72.4N	127	31	-66	21	8	16,16	B/100	32	284	48.3N	11	13	5151
2	Olenek Reg. Int[13]	Dl-Ce	70.4N	120.4	164	75	75	11	4,93	F/0	43	310	61.8N	18.3	20.1	4525
2	Olenek Rg Intr[21]	Dl-Ce	70.3N	119.5	195	68	23	6	1,24	B/100	32	289	51.1N	8	10	4580
1	Nadaltai, Altai, Bistryan & Tuba Grps[31]	Dl-Ce	54N	91	299	-70	44	4	11,114	B/100	29	307	54.0N	5.9	6.9	4980
2	Ygyattin Ser,bas	Dl-Ce	63.5N	115.6	205	45	22	7	2,20	B/100	3	273	26.6N	6	9	4991
2	Ygyattin Doler[32]	Dl-Ce	63.9N	115.3	192	73	19	8	2,17	B/100	33	288	58.6N	13	14	4992
1	River Angara Basin Sills	C?	56N	101	286	-68	33	2	5,127	B/100	33	327	51.1N	2.8	3.4	4950

2	Angara River Intrus & Seds	C?	55N	99	117	76	38	3	1,30	B/100	37	310	63.5N	5.1	5.5	4962
2	Angara River Intrus & Seds	C?	55N	101	95	49	56	1	22,673	B/100	21	350	29.9N	0.9	1.3	4963
2	Aldan Region Porphyries	C?	59N	125.5	142	67	67	6	1,28	F/0	23	331	49.7N	8.2	9.9	4964
2	Kutchugunursk Gr Ygyattin Ser[27]	Ce	63.5N	116.5	183	61	17	17	6,84	B/100	16	295	42.1N	19.9	26	4947
1	Taidon Horizon[29]	Ce	68N	89	107	64	33	7	8,14	B/100	36	325	45.7N	8.9	11.2	4975
0	Minusa Tuffs & Seds[30]	Ce	53N	91	314	-47	9	12	7,17	B/100	1	311	28.2N	10	15.5	4979
1	Lena River Seds	Ce	72.3N	126.9	21	-70	38	25	1,82	B/100	38	292	54.0N	37	43	5011
2	Tushaminsk Grp[28]	Cl	58.5N	102.5	307	-85	22	5	9,34	B/100	51	298	80.1N	9.8	9.9	4951
2	Udzha River Intr	P-Tr	71.5N	116	271	-71	59	6	1,9	B/100	51	359	55.5N	9.1	10.5	4839
2	Morcoca Riv Int	P-Tre	65.6N	110.5	83	79	100	8	5,132	B/100	61	337	68.8N	14	15	4575
*	Moyero River, Siberian Traps	P-Tr	67.5N	104.0	124.5	82.0	365.3	2.2	13,	B.100	56.2	307.6	74.3N	4.2	4.3	GAL[65]
2	Morcoca Riv Int[19]	Pe	65.2N	111.2	135	73	71	8	6,135	B/100	39	319	58.6N	13	14	4574
2	Upper Markha Reg Intr Comb[24]	Pe	65.5N	111.1	106	75	154	6	26,338	B/100	48	334	61.8N	10	11	4607
2	Klintaiga Group	Pe	58.5N	102.5	100	84	17	6	1,39	B/100	56	302	78.1N	11.6	11.8	4695
2	Besukea River Redbeds	Pe	69.8N	128.5	302	-45	6	13	1,23	B/100	15	360	26.6N	10	16	4834
1	Kayerkansk & Ivakinsk Grs L-1	Pl	69N	88	240	-72	48	7	1,11	B/100	61	353	57.0N	10.9	12.3	4717
0	Kayerkansk & Ivakinsk Grs L-2	Pl	69N	88	261	-75	22	4	2,56	B/100	59	329	61.8N	6.7	7.3	4718
1	Kayerkansk & Ivakinsk Grs Co[26]	Pl	69N	88	257	-75	24	4	3,67	B/100	60	332	61.8N	6.7	7.3	4719
2	Lena River Seds	Pl	72.6N	124.7	164	75	43	19	1,131	B/100	45	316	61.8N	32	35	4820
2	Tuffolavova S,L1	Pl-Trm	69N	88	59	77	14	2	3,281	B/100	67.7	339	65.2N	3.5	3.7	4644
2	Tuffolavova S,L2	Pl-Trm	69N	88	46	79	9	3	3,197	B/100	73.8	337.2	68.8N	5.4	5.7	4645
2	Tuffolavova S,L3	Pl-Trm	69N	88	97	77	15	2	12,355	B/100	56	316.1	65.2N	3.5	3.7	4646
2	Tuffolavova S,L4	Pl-Trm	69N	88	115	78	21	1	22,952	B/100	53.1	304.2	67.0N	1.8	1.9	4647

2	Tuffolavova S,L5	Pl-Trm	69N	88	151	84	11	3	4,194	B/100	58.1	278.9	78.1N	5.8	5.9	4648
2	Tuffolavova S,L6	Pl-Trm	69N	88	74	80	13	2	11,527	B/100	66	319.7	70.6N	3.7	3.8	4649
2	Tuffolavova S,L7	Pl-Trm	69N	88	31	78	10	6	3,61	B/100	78.3	353.3	67.0N	10.6	11.3	4650
2	Tuffolavova S,L8	Pl-Trm	69N	88	116	77	5	4	9,320	B/100	51.4	305.2	65.2N	6.9	7.5	4651
2	Tuffolavova S,L9	Pl-Trm	69N	88	119	69	6	4	7,169	B/100	39.4	311.6	52.5N	5.8	6.8	4652
2	Tuffolavova Ser L10	Pl-Trm	69N	88	65	82	5	3	12,472	B/100	70	313.8	74.3N	5.7	5.8	4653
2	Tuffolavova Ser Combined	Pl-Trm	69N	88	88	80	103	4	86, 3528	B/100	62.2	313.5	70.6N	7.3	7.7	4654
2	Ygyattin Reg Intr Comb[25]	P-Tre	63.9N	115	113	82	56	4	36,446	B/100	55	321	74.3N	8	8	4608
2	Markha Reg Volcs & Intr Loc-1	P-Tre	66N	111.4	136	76	300	4	7,	B/100	44	317	63.5N	7	7	4576
2	Markha Reg Volcs & Intr Loc-2	P-Tre	66.1N	111.4	261	-71	87	6	8,	B/100	52	357	55.5N	9	10	4577
2	Markha Reg Volcs & Intr Comb[20]	P-Tre	66.1N	111.6	102	75	56	5	15,298	B/100	51	338	61.8N	9	10	4578
0	Tungus Synclise Intrusives	P-Tre	68N	89	95	62	7	6	30,86	F/0	38	337	43.2N	7.2	9.3	4558
2	Ygyattin Reg Int	P-Tre	63.7N	115.4	292	-84	57	7	9,196	B/100	58	317	78.1N	14	14	4573
2	Ygyattin Reg Int	P-Tre	64.1N	114.7	114	80	50	7	9,250	B/100	52	324	70.6N	14	14	4572
2	Olenek Reg Intr	P-Tr	70.4N	120.7	148	72	200	9	3,69	B/100	39	323	57.0N	13	15	4579
2	Mid Vilyui Region Intrus.	P-Tr	63N	112	117	80	146	3	24,71	F/0	52	320	70.6N	5.5	5.7	4524
2	U Markha Riv Int	P-Tr	65.6N	111.7	102	72	67	9	5,71	F/0	46	344	57.0N	14	15.9	4523
2	U Vilyui Intrus.	P-Tr	65.6N	108.2	81	75	143	4	11,198	F/0	56	348	61.8N	6.7	7.3	4522
1	Irkutz Mineralized Seds	Tre	58N	115	234	-85	30	3	2,73	B/100	63	313	80.1N	5.9	5.9	4590
2	Irkutz Ores	Tre	56N	102	292	-83	6	13	1,28	B/100	49	302	76.2N	24.9	25.4	4589
1	Angara Reg Intr	Tre	58.5N	99	106	80	10	3	54,277	B/100	49	308	70.6N	5.5	5.7	4559
2	Mid Vilyui Reg Tuffs	Tre	63.5N	111.5	289	-56	45	4	1,26	B/100	25	348	36.6N	4.1	5.7	4560
2	Tungus Synclise Volcs Loc-1	Tre	68.5N	98	104	71	28	7	15,15	B/100	44	330	55.5N	10.6	12.2	4507

2	Tungus Synclise Volcs Loc-2	Tre	70N	96	87	69	28	4	10,50	B/100	49	344	52.5N	5.8	6.8	4508
2	Tungus Synclise Volcs Loc-3	Tre	70N	98	93	70	33	5	9,27	B/100	48	339	54.0N	7.4	8.6	4509
2	Tungus Synclise Volcs Loc-4	Tre	69.5N	98	103	73	44	4	6,27	B/100	49	329	58.6N	6.4	7.1	4510
2	Tungus Synclise Volcs Comb[12]	Tre	69.5	97.5	96	71	999.9	1	40,119	B/100	48	335	55.5N	1.5	1.7	4511
2	Tungus Synclise Seds Loc-1	Tre	67.5N	91	102	65	30	5	14,25	B/100	39	329	47.0N	6.5	8.1	4501
2	Tungus Synclise Seds Loc-2	Tre	68N	93.5	111	68	44	7	7,14	B/100	40	324	51.1N	9.9	11.7	4502
2	Tungus Synclise Seds Loc-3	Tre	68N	92	111	70	42	5	11,22	B/100	42	320	54.0N	7.4	8.6	4503
2	Tungus Synclise Seds Loc-4	Tre	69N	91	100	68	25	7	6,23	B/100	43	330	51.1N	9.9	11.7	4504
2	Tungus Synclise Seds Loc-5	Tre	69.5N	91	100	69	34	8	12,27	B/100	45	329	52.5N	11.5	13.6	4505
2	Tungus Synclise Seds Combined	Tre	68.5N	91.5	105	68	800	3	51,111	B/100	42	326	51.1N	4.2	5	4506
1	Tuffogenic Grp	Tre	63.5N	107	127	82	11	6	15,60	B/100	51	307	74.3N	11.3	11.7	4534
1	Tuffogenic Grp	Tre	59N	103	127	85	28	3	66,84	B/100	52	296	80.1N	5.9	5.9	4533
1	Noriksk Reg Intrus. Comb[15]	Tre	69.1N	88	94	72	40	7	11,235	F/0	50	326	57.0N	10.9	12.3	4557
1	Norilsk Reg Intr	Tre	69N	88	106	79	250	4	6,126	F/0	57	308	68.8N	7.2	7.6	4555
2	Lena Reg Tuffs	Tre	70N	123.5	146	78	39	4	8,40	B/100	49	323	67.0N	7.1	7.5	4562
2	Sib Traps[14] & Baked Seds Cmb[19]	Tre	69.3N	91	102	72	166	9	19,75	B/100	48	323	57.0N	14	16	4571
2	Taimyr Baked Argillites	Tre	69.5N	91	112	79	780	1	1,25	B/100	57	308	68.8N	2	2	4570
2	Siberian Traps & Tuffs Combined[23]	Tre	62.8N	107.3	74	82	167	6	9,232	B/100	63	322	74.3N	11	12	4606
2	Sib Trps[14] Tungus Syncl Loc-01	Tre	67.5N	91	102	65	30	5	14,25	B/100	39	329	47.0N	7	8	4564
2	Sib Trps[14] Tungus Syncl Loc-02	Tre	68N	93.5	111	68	44	7	7,14	B/100	40	324	51.1N	9[16]	11	4565

2	Sib Trps[14] Tungus Syncl Loc-03	Tre	68N	92	111	70	42	5	11,22	B/100	42	320	54.0N	8	9	4566
2	Sib Trps[14] Tungus Syncl Comb[17]	Tre	67.8N	92.1	108	68	666	5	32,61	B/100	40	324	51.1N	7	8	4567
2	Sib Traps Loc-1[14]	Tre	69.5N	91	100	68	25	7	6,23	B/100	43	330	51.1N	10	12	4568
2	Sib Traps Loc-2[14]	Tre	69.5N	91	100	69	34	8	12,27	B/100	45	329	52.5N	11	13	4569
2	Siberian Traps[14]	Tre	72N	114	300	-71	34	6	4,18	B/100	44	337	55.5N	9.1	10.5	4561
0	Siberian Traps[14]	Tre	69.5N	88	83	78	33	4	2,40	F/0	62	323	67.0N	7.1	7.5	4554
1	Siberian Traps[14], Norilsk Plat Com	Tre	69	88	125	71	18	6	1,26	B/100	40	306	55.5N	9.1	10.5	4547
1	Siberian Traps[14]	Tre	59.5N	112	13	80	52	3	2,42	F/0	76	310	70.6N	5.5	5.7	4537
1	Siberian Traps[14]	Tre	63.5N	107	26	82	200	5	6,151	F/0	76	322	74.3N	9.5	9.7	4536
1	Siberian Traps[14]	Tre	62.5N	108	71	83	29	3	3,88	F/0	63	318	76.2N	5.7	5.9	4535
0	Siberian Traps[14]	Tre	60N	103	61	78	49	3	2,43	F/0	63	333	67.0N	5.3	5.6	4532
1	Siberian Traps[14]	Tre	57N	101	61	79	36	2	1,129	F/0	61	321	68.8N	3.6	3.8	4531
2	Anbabar-Udzha Reg. Intrusives	Tr	71.4N	115.2	124	73	28	10	9,121	F/0	46	333	58.6N	15.9	17.8	4527
2	Alamdzhan Intr	Tr	63.6N	112.1	100	76	700	2	8,284	F/0	51	335	63.5N	3.4	3.7	4526
2	Lena River Seds	Trm-Jm	72.6N	124.7	174	76	210	9	26,26	B/100	47	309	63.5N	4	16	4417
1	Olenek Riv Intr[22]	Trl	67N	110.5	339	-81	16	2	5,79	B/100	52	300	72.4N	3.7	3.9	4591
5	Kondesrky Massif	J-K	57.7N	134.6	20.9	79.8	17.7	5.7	2,34	B/100	75	343	70.2N	10.4	10.9	6843
0	River Aldan Seds	Je	62N	136	336	74	116	6	13,26	B/100	78	227	60.2N	9.8	10.8	4363
0	Aldan River Seds	Je	61N	135	327	73	61	5	9,18	B/100	73	233	58.6N	8	8.9	4362
2	Khatanga Basin Sediments	Jl (Tith)	70.5N	98	138	80	29	3	4,40	B/100	54	303	70.6N	5.5	5.7	4356
0	Lena River Seds	Jl-Ke	72.6N	124.7	88	87	63	4	29,29	B/100	71	325	84.0N	8	8	4296
2	Anabar Gulf Sediments Loc-1[9]	Ke	75N	114	86	78	95	3	1,23	B/100	62	354	67.0N	5.3	5.6	4199
2	Anabar Gulf Sediments Loc-2[8,9]	Ke	75N	114	87	79	99	3	1,22	B/100	64	350	68.8N	5.4	5.7	4200
2	Anabar Gulf Sediments Loc-2[8,9]	Ke	75N	114	78	77	11	7	1,35	B/100	64	357	65.2N	12.2	13	4201

2	Anabar Gulf Sed Comb[9,10]	Ke	75N	114	83	78	22	3	3,90	B/100	63	354	67.0N	5.3	5.6	4202
2	Khatanga Basin Sediments[7]	Ke	70.5N	98	46	78	77	3	1,31	B/100	73	358	67.0N	5.3	5.6	4197
2	Ilek Grp Loc-1	Ke	56.5N	89.5	30	77	39	4	1,31	B/100	73	318	65.2N	6.9	7.5	4193
2	Ilek Grp Loc-2	Ke	56N	88.5	36	79	32	5	1,32	B/100	69	305	68.8N	9	9.5	4194
2	Ilek Grp Loc-3	Ke	56.5N	90.5	24	77	20	5	1,38	B/100	76	318	65.2N	8.7	9.3	4195
2	Ilek Grp Combin[6]	Ke	56.5N	89.5	30	77	30	6	3,101	B/100	74	315	65.2N	10.4	11.2	4196
1	Popigai Crater, Volcs & Tuffs[11]	Ke-l	71.5N	111	76	79	33	6	12,19	B/100	66	350	68.8N	10.8	11.4	4220
1	Khamar-Daban Range Basalts	Tme	51.5N	103	182	-60	18	4	30,71	F/0	80	93	40.9N	4.6	6	3988
1	Uglenosna Grp[5]	Tm-p	53N	103	198	-48	67	2	1,75	F/0	64	65	29.0N	1.7	2.6	3986
1	U Ust-Solenisk Beds	Tp	68N	84	357	78	50	12	4,8	F/0	88	134	67.0N	21.2	22.6	4004
1	Norilsk Plateau Sediments[1]	Qp	69N	88.5	273	83	369	3	10,10	F/0	66	232	76.2N	5.7	5.9	3808
1	Terrace Deposits Loc 1[3]	Qp-r	53N	108	351	75	43	3	1,39	F/0	80	262	61.8N	5	6	3870
1	Terrace Deposits Loc 2[3]	Qp-r	53N	108	3	82	53	5	1,18	F/0	70	291	74.3N	9	10	3871
1	Terrace Deposits Combined[3,4]	Qp-r	53N	108	353	77	43	3	2,57	F/0	77	273	65.2N	5	5	3872
1	Chuna River Sands[2]	Qr	57N	99	8	72	26	4	1,52	F/0	86	9	57.0N	6.2	7.1	3829

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1 Late Pleistocene, C14 age 34300±500 yrs
2 Holocene
3 Brunhes age
4 Combined RESULTNOS 3870-3871
5 Late Miocene to Early Pliocene
6 Combined RESULTNOS 4193-4195
7 Early Hauterivian
8 Early Valanginian
9 See also REFNO 928
10 Combined RESULTNOS 4199-4201, See aslso REFNO 928
11 Cenomanian to Albian
12 Combined RESULTNOS 4507-4510
13 K-Ar age 360±15 Ma
14 Ar/Ar age 244±1 Ma, see REFNO 2735
15 Combined RESULTNOS 4554-4556
16 99 for DP obviously an error, must be 9 or possibly 9.9
17 Combined RESULTNOS 4564-4566
18 Combined RESULTNOS 4568-4570

19 K/Ar age 258, 271±25, 280 Ma
20 Combined RESULTNOS 4576-4577
21 K/Ar age 360±15 Ma
22 K/Ar age 220 Ma
23 Ar/Ar age 244±1 Ma see REFNO 2735
24 K/Ar ages of 258, 271±25, 280 Ma
25 Combined RESULTNOS 4644-4653
26 Combined RESULTNOS 4717-4718
27 K/Ar age 342 Ma
28 Middle Carboniferous
29 Late Tournaisian
30 Tournaisian to Visean
31 Famennian to Tournaisian
32 K/Ar age 367±9 Ma
33 Frasnian
34 Combined RESULTNOS 5122-5123
35 Frasnian
36 K/Ar age 352 Ma
37 Frasnian
38 Combined RESULTNOS 5238-5239
39 Ashgill
40 Llandeilo
41 Llandeilo, Se also REFNO 2124
42 Llanvirn
43 Late Llanvirn, see also REFNO 2124
44 Combined RESULTNOS 5293-5295
45 Llandeilo to Late Ordovician
46 Llandeilo to Late Ordovician, Combined RESULTNOS 5297-5298
47 Late Middle to Late Ordovician
48 Llanvirn
43 Tremadoc
44 Combined RESULTNOS 5306-5309
45 Late Llanvirn
46 Combined RESULTNOS 5316-5317
47 Caradoc
48 Rb-Sr ages 416±20 Ma
49/43 Tommotian and Atdabanian age. Very slight improvement in dispersion upon bedding correction
50/44 Combined RESULTNOS 5387-5389
51/45 See REFNO 2199
52 Combined RESULTNOS 5392-5393
53 Lenian age
54 Combined RESULTNOS 5412-5415
55 Combined RESULTNOS 5417-5419
56 Combined RESULTNOS 5421-5422
57 Menevian age
58 Tommotian to Atdabanian age
59 Lenian age
60 Late Solvan to Early Menevian age
61 Tommotian to Atdabanian
62 D/B shows CML rather than CBL as STRATAGE
63 K-Ar ages 547, 600-690 Ma
64 Late Riphean to Vendian, K-Ar ages 568-1229 Ma
65 Gallet and Pavlov (1996)
66 Tremadoc
67 Arenig
68 Llanvirn
69 Llandeilo
70 Ashgill-Se

TABLE 2.2 SIBERIA MEAN POLES AFTER KHRAMOV 1982

CAMBRIAN - RECENT

		SITE				DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
KH	CBe	CBe									44	157					8	KHRA
KH	CBm	CBm									44	156					5	KHRA
KH	CBl	CBl									36	126					3	KHRA
KH	Oe	Oe									42	127					6	KHRA
KH	Om	Om									24	132					4	KHRA
KH	Ol	Ol									21	131					6	KHRA
KH	Se	Se									7	103					10	KHRA
KH	De	De									15N	116					24	KHRA
KH	Dl	Dl									20N	140					12	KHRA
KH	Ce-m	Ce-m									30N	150					14	KHRA
KH	Pm	Pm									52N	145					8	KHRA
KH	Tre	Tre									52N	147					4	KHRA
ZO	Trm-l	Trm-l									59N	137					10	ZONE
ZO	K	K									74N	180					10	ZONE

Additional sources: KHRA= Khramov and Ronionov (1980) and Khramov et al. (1981); ZONE= Zonenshain et al. (1990)

TABLE 3 CATHAYSIAN CONTINENTAL BLOCKS

3.1 North China
3.2 North China - Mongolia mean poles
3.3 Mongolia
3.4 Korea
3.5 Alashan - Hexi corridor mean poles
3.6 South China
3.7 South China mean poles
3.8 Indochina

TABLE 3.1 NORTH CHINA

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Cambrian Seds	CBe-m	36N	118	321	-34.7	17.1	12	10,59	B/100	21.2	155.2	19.1	12.4	12.4	(16.4)	(12.4)	6245
4	Cambro-Ordovic. Sediments	CBl-Om	36N	118	342.9	-37.7	28.8	10.5	8,38	B/100	28.8	130.9	21.1	12.3	12.3	(21.1)	(12.3)	6246
4	Silurian Seds	Sm-l	37.4N	105.6	49.4	-13.1	11.1	10.2	20,97	B/100	26.2N	228.4	6.6	8.2	8.2	(17)	(8.2)	7137
4	Devonian Andes & Redbeds	Dm-l	37.7N	105.5	49.4	8.7	10.2	12.1	16,108	B/100	34.2N	228.7	4.4N	8.8	8.8	(18.6)	(8.8)	7136
4	Shihezi Fm[2]	Pl	37.5N	114.4	326.3	34.3	42	6.9	,12	B/100	55.2	181.4	18.8N	6.3	6.3		(6.3)	1303
4	Shihezi Fm char[3]	Pl	38.6N	112.1	310.7	20	14.2	7.5	2,33	B/100	37.9	182.9	10.3N	6.9	6.9		(6.9)	6063
4	Zhihezi Fm ovp[3]	Pl, ovp	38.6N	112.1	3	55	23.7	4	2,56	F/O	86.1	73.2	35.5N	4	5.7			6064
2	U Shihezi Fm	Pl	39.1N	110	141.2	-28.6		7.9	1,9	B/100	48.6	177	15.3N	4.8	8.7			7032
2	U Shihezi Fm, Se	Pl	35.5N	110.2	288.6	34.1		4.6	5,23	B/100	26.5	205.6	18.7N	3.1	5.3			7034
3	Shiqiafeng & U. Shihezi Fms	Pl	37.9N	112.3	328.3	40.9		18.9	8,22	B/100	59.3	183.3	23.4N	13.9	22.9			7028
2	U Shihezi Fm, Se	Pl	35.1N	109.1	298.4	33.1		13.4	4,20	B/100	33.2	198.5	18.1N	8.6	15.2			7041
3	U Shihezi Fm, Se	Pl	37.8N	112.3	129.3	-23		10	2,10	B/100	38.1	186.3	12.0N	10	20			7070
4	U Shihezi & Shiqianfen Fms[1]	Pl-P/Tr	37.8N	112.3	138.4	-21.5	40.3	6.9	12,126	F/O	44.3	177.8	11.1N	3.8	7.3			1295
2	Shiqiafeng & Liujiagou Fms	Pl-Tre	35N	109	308.8	35.1		9.1	3,26	B/100	42.3	193.7	19.4N	6	10.5			7048
2	Liujiagou & Heshangou Fms.	Tre	38.6N	112	325.5	29.3	41.3	8.2	7,70	B/100	52.1	174.6	15.5N	5	9.1			6611
4	Lioujiagou & Heshanggou Fms, Ordos Basin	Tre	35.5N	110.2	335.2	32.5	76.7	4.2	16,93	B/100	61.9	168.3	17.7N	3.8	3.8		(3.8)	6349
2	Heshangou & Liujiagou Fms[7]	Tre	38.6	112	325.5	29.3		8.2	7,	B/100	52.1	174.6	15.7N	5	9.1			7038
2	Liujiagou Fm, Se	Tre	39.1N	110	329.6	35.7		8.6	5,15	B/100	55.7	175.3	19.8N	5.8	9.9			7033
2	Liujiagou Fm, Se	Tre	35.5	110.2	339.8	38.4		3.6	5,21	B/100	67.7	168.9	21.6N	2.6	4.3			7040

3	Shiqiafeng Fm, Seds[12]	Tre	41.3N	123.7	280.7	35.2		21.7	6,28	B/100	20.6	221.9	19.4N	14.5	25			7067
3	Liujiagou Fm, Se	Tre	37.8N	112.3	315	31.2		15.9	1,7	B/100	45.4	186.8	16.9N	9.9	17.7			7068
4	Ordos Basin Seds[4]	Trm	35.4N	109.6	329.5	37.5	67	4.4	17,109	B/100	59.8	159.9	21.0N	4	4	(81.1)	(4)	6350
2	Ermaying Fm, Sed	Trm	38.6N	112	312	43.2	99.8	3.1	20,200	B/100	47.6	198.3	25.2N	2.4	3.9			6612
2	Zhifang Fm	Trm	35.1N	109.1	331.1	36		5.7	3,13	B/100	60.3	175.3	20.0N	3.8	6.6			7035
2	Zhifang Fm Seds[6]	Trm	38.6N	112	342	43.2		3.1	20,	B/100	47.6	198.3	25.2N	2.4	3.9			7037
2	Zhifang Fm, Sed	Trm	35.2N	109	131.5	-48.8		3.9	2,25	B/100	49.1	205.5	29.7N	3.4	5.1			7047
4	Ordos Basin Seds	Trl	35.2N	109.2	329.6	43.7	149.8	3.7	11,56	B/100	62.3	187.7	25.5N	3.8	3.8	(148.4	3.8)	6351
2	Yanchan Group	Trl	35.1N	109	337.4	48.1		4.7	21,89	B/100	70.1	189.4	29.1N	5.8	5.8		(5.8)	7039
4	Low Juras. Seds	Je	36.2N	109.3	0.5	47.4	52.1	6.8	10,50	B/100	82.4	106	28.5N	8	12			6241
4	M. Juras. Seds	Jm	36.7N	109.2	14.4	45.9	220.8	4.5	6,34	B/100	74.3	52.8	27.3N	4	6			6240
4	Yungang Fm, Seds[1]	Jm	40.2N	112.8	17.9	58.7	443.1	5.9	3,19	F/O	76.2	19.9	39.4N	8.3	8.3	(219.6	8.3)	5721
2	Yungang Fm. Seds	Jm	38.6N	112	16.6	53.8	40.1	12.8	3,30	B/100	76.1	34.6	34.3N	12.5	17.9			6613
2	Yungang Fm, Seds[5]	Jm	38.6N	112	16.6	53.8		12.8	3,	B/100	76.1	34.6	34.3N	12.5	17.9			7036
3	Santai Fm[11]	Jm-l	36.6N	117.9	22.3	55.8		6.6	4,26	B/100	72.1	22	36.3N	6.8	9.5			7064
2	Mengyen Fm, Seds[8]	Jl	35.8N	117.5	18.6	51.5		4	10,23	B/100	71.3	45.8	32.2N	6.7	10.3			7043
2	Wulian Fm	Jl	35.8N	119.2	348.9	55.2		9.2	5,13	B/100	81	211.1	35.7N	9.3	13.1			7044
2	Houshan Fm	Jl	31.5N	116.5	17.4	41.2		5.7	5,11	B/100	72.7	49.4	23.6N	4.2	6.9			7045
3	Laiyang Fm	Jl	35.9N	119.4	20.6	47.8		7.9	10,72	B/100	71.3	45.8	28.9N	6.7	10.3			7062
2	Zhejiang Ignimbr & Sst	Jl	29.4N	120	19.4	45.3		10.7	6,34	B/100	73	33.7	26.8N	12.6	12.6		(12.6)	7063
3	Andesit&Tuffs[10]	Ke	35.9N	119.4	26.1	55.7		12.2	5,48	B/100	69	20.9	36.2N	12.5	17.5			7060
4	Zidan Group, Sed	Ke	35N	108	16.1	50		7	10,74	B/100	75.9	30.8	30.8N	6.3	9.4			7042
4	Zhidan Grp, Se[13]	Ke	35.1N	107.6	16.4	50.5	50.8	6.8	10,67	B/100	75.8	28.7	31.2N	6.1	9.1			7085
2	Zidan Group,Sed[9]	Ke, ovp?	36.6N	109	357.1	50.9		4.2	2,35	B/100	84.6	130.2	31.6N	3.8	5.7			7046
4	Zuoyan Fm	Kl	40.1N	112.9	12.4	63.4	473.7	4.2	4,29	B/100	79.6	350.1	45.0N	5.8	5.8	(242.4	5.8)	5720
* IMO	Basalts, Jining, Inner Mongolia	Tm	40.9N	113.2	353.8	61.7	49.5	8.7	7,	B/100	83.8	67.3	42.9N	10.4	13.5	(28.5)	(11.5)	ZHA[15]

*	Basalts Pingzhuang, Inner Mongolia	Tm	42.0N	119.2	3.1	55.6	47.9	9.8	6,	F/O	84.8	88.6	36.1N	10.0	14.0	(27.0)	(13.1)	ZHA[15]
*	Basalts Majiaowang, Shandong[16]	Tm	36.4N	118.8	181.7	-53.3	104.5	12.1	3,	F/O	87.2	92.4	33.9N	11.7	16.8	(58.5)	(16.3)	ZHA[15]
*	Basalts, Yishui, Shandong[16]	Tm	36.2N	118.5	5.8	52.5	75.2	6.0	6,	F/O	84.3	53.5	33.1N	5.7	8.3	(57.8)	(6.8)	ZHA[15]
3	Shandong Basalts	Tm (14-18 Ma)	36.4N	118.8	3	53.4		4.1	2,21	F/O	86.6	56.1	34.0N	4.9	4.9		(4.9)	7050
4	Miocene Basalts	Tm (14-18 Ma)	36.3N	118.6	184.8	-52.7	86.1	4.7	12,23	B/100	85.2	58.4	33.3N	5.6	5.6	(61.9)	(5.6)	7227
4	Hannduba Fm	Tm-p	41N	114.7	8.2	61.5	24.4	4.2	49,337	B/100	83.4	12.8	42.6N	6.2	6.2	(11.8)	(6.2)	5719

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1 Flatlying beds, no bedding correction required
2 See also REFNO 1726
3 Predates Middle Jurassic folding, see also REFNO 1726
4 Folding is Early Jurassic to Early Cretaceous
5 7036 is obviously the same result as 6613
6 7037 for Zhifang Fm is obviously the same as 6612 for Ermaying Fm
7 7038 for is obviously the same as 6611
8 West of Tanlu Fault, but close
9 Present Field overprint?
10 Correlated with Bingshan Fm
11 West of Tanlu Fault
12 N and R not antipodal, local rotation?
13 Subhorizontal
14 K-Ar ages 14.1-25.4 Ma
15 Zhao et al. (1994)
16 K-Ar ages 14-18 Ma

Tectonic unit legend: IMO= Inner Mongolia

TABLE 3.2 NORTH CHINA - MONGOLIA MEAN POLES

CAMBRIAN - RECENT

		SITE				DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
*	Shandong,seds	CBe	37.9N	119.3							15.0N	298.6	34.9N				9.9	XIZH
*	Hebei,seds	CB	36.0N	118.0							21.3	154.7	23.0N				12.4	XIZH
*	Liaoning,seds	CB	41.1N	120.7							26.8N	334.5	28.4N				8.9	XIZH
*	Shaanxi,seds	CBm	35.5N	110.2							15.3N	217.2	4.4				17.5	XIZH
*	Ordos,seds	Oe	35.1N	109.2							43.6N	356.1	9.5N				8.5	XIZH
*	Hebei,seds	O	36.0N	118.0							28.8	130.4	24.1N				12.3	XIZH
*	Ningxia,seds	Sm-l	37.4N	105.6							26.2N	228.4	6.7				8.2	XIZH
*	Ningxia,seds	Dm-l	37.4N	105.7							34.2N	228.7	1.7				8.8	XIZH
*	MON	Cl									37.5N	320.1					10.4	XIZH
*	NCB	Cl									30.0N	11.9					6.1	XIZH
*	MON	Pe									44.8N	335.1					11.6	XIZH
*	NCB	Pe									44.1N	354.8					18.6	XIZH
*	MON+NCB	Pe									44.8N	345.9					10.8	XIZH
*	NCM Pm mean	Pm									49.1N	357.5					6.9	XIZH
*	NCB Pl mean	Pl									48.0N	353.9					8.8	RAEN
*	NCB Tre mean	Tre									57.9N	357.4					4.8	XIZH
*	NCB Tre mean	Tre									53.4N	358.4					8.9	RAEN
*	NCB Trm-l mean	Trm-l									60.8N	14.2					6.9	XIZH
*	NCB Trm-l mean	Trm-l									60.2N	9.6					11.6	RAEN
*	NCB	Je									82.4N	286.0					6.8	XIZH
*	NCB Je	Je									82.4N	286.0					6.2	RAEN
*	NCB Jm mean	Jm									75.8N	226.2					6.8	XIZH
*	NCB Jm mean	Jm									75.8N	217.4					10.0	RAEN

*	NCB Jl mean	Jl	68.3N	228.9	4.0 XIZH
*	NCB Jl	Jl	67.6N	232.4	4.5 RAEN
*	NCB Ke mean	Ke	82.4N	231.6	10.0 XIZH
*	NCB Ke	Ke	82.9N	249.5	5.7 RAEN
*	MON Ke	Ke	82.9N	221.7	5.6 RAEN
*	MON+NCB Kl mean	Kl	81.1N	194.0	11.2 XIZH
*	NCB Kl	Kl	79.6N	170.1	5.8 RAEN
*	NCB	T	86.3N	200.1	5.9 XIZH

XIZH Zhao et al. (1996)
RAEN Enkin et al. (1992)

TABLE 3.3 MONGOLIA

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Mongolian Seds&Basalts	S-D, ovp	43N	103	318	39		13	,86	F/O	50	174	22.0N	9.2	15.5			7351
2	Mongolian Volcs	Dm-l	43N	103	209	2		5	,27	B/100	38	64	1.0N	2.5	5			7354
2	Mongolian Volcs	Dm-l	43N	103	182	-12		7	3,34	B/100	52	100	6.1	3.6	7.1			7353
4	Carb Tuffs[2]	C	44.6N	108.3	345.6	-5.4	23.3	3.9	3,59	B/100	40.9	127.4	2.7	2	3.9			1812
3	U Carb Tuffites	Cl	46.2N	107.4	334.7	-2.7	39.2	12.4	5,97	B/100	37.5	140.1	1.4	10.4	10.4		(10.4)	6307
4	Carb Lst	Cl	43.9N	120.1	148.6	11.5	19.5	6.2	3,29	B/100	32.6	158.1	5.8	4.4	4.4	(38.7)	(4.4)	6489
4	Perm Volcs&tuffs	P	48.3N	106	115.1	-37	6.4	8.5	3,52	B/100	31.8	191.8	20.7N	5.8	9.9			1811
3	Perm Volcs&tuffs	Pe	47.8N	107.1	327.3	22.1	49.3	13.2	4,85	B/100	44.8	155.1	11.5N	11.6	11.6		(11.6)	6308
4	Perm Volcs&Seds	Pl	42.8N	118.9	154.8	-22	34.2	7.9	11,62	B/100	51.9	161.7	11.4N	6.8	6.8	(46.3)	(6.8)	6488
3	Triassic Volcs	Tr	49.1N	105.5	99.7	-52.2	21.4	14.8	6,65	B/100	32	212.7	32.8N	16.8	16.8		(16.8)	6309
4	Jurassic Volcs	Jm-l (~155Ma)	48N	120	205.4	-56.4		7.5	24,171	B/100	68.5	51.6	37.0N	9.5	9.5	(93.6)	(9.5)	6487
4	Mongolian Seds&Basalts[4]	Jm-l, ovp	44.9N	101	160	-74	12	8	32,32	B/100	71	250	60.2N	13	14.4			7313
4	Mongolian Seds&Basalts[4]	Jl-Ke, ovp	44.8N	101.2	10	58	23	5	34,34	B/100	80.4	47	38.7N	5.4	7.4			7312
4	Cret Volcs&Seds	Ke	44.5N	118.5	6.8	58.5	207.7	4.7	6,54	B/100	82.9	69.5	39.2N	5.7	5.7	(138.2	5.7)	6485
4	Cret Volcs&seds[1]	Ke	45.4N	107.6	187.7	-61.1	18.6	4.2	3,66	B/100	82.9	41.7	42.2N	4.9	6.4			1810
3	Mongolian Bas.	Ke	45N	100.5	4	67	33	4	,52	B/100	84	309	49.7N	5.5	6.6			7279
3	Cret Volcs&Seds	K	46.1N	107.5	182.9	-62.6	76.8	14.2	3,66	B/100	86.9	72.8	44.0N	21.8	21.8		(21.8)	6310
4	Tert Basalts	To-m(14-25Ma)	41.5N	116	358.5	59	47	6.1	13,109	B/100	88.6	209.2	39.8N	8.2	8.2	(26.3)	(8.2)	6486
3	Mongolian Bas	To	43.5N	104.5	205	-56	19	8	,20	B/100	70	24	36.6N	8.3	11.5			7278
3	Mongolian Bas	Tm	46.5N	96.5	18	67	45	14	4,36	F/O	77	342	49.7N	19.2	23.2			7277

1 Updated and superseded by result 6310
2 Updated and supersed by result 6307
3 Updated and supersed by result 6308
4 Postfolding component

TABLE 3.4 KOREA

CAMBRIAN - RECENT

		SITE				DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2,NK	Sandstones	CBe	38.8N	125.8	160	54	250	2	,6	F/O	14	143	34.5	2	2.8			3792
3,SK	P'Yongan&Chosen Supergroups[10]	CB-Tr, ovp	37.2N	128.8	357.3	58.1	54.9	5.2	15,42	F/O	87.4	256.1	38.7N	5.7	7.7			6983
	Sandstones	CBm	38.8N	125.7	170	62	40	4.5	,17	F/O	8N	133	43.2	5.4	7.0			3791
2,SK	Hongjeom Fm, Ogcheon Zone	C	36.8N	128.5	270	-5.2	23.6		2,16	B/100	1.6	36.4	2.6N					1084
4,SK	Hongjom Fm[11]	Ce-l	37.2N	128.7	100.5	-22.5	17	13	5,14	B/100	15.3N	42	11.7?	7.3	13.8			7002
3,SK	Manhang Fm HT[14]	Cl	37.2N	128.8	341.1	-9.2	296.2	7.2	3,23	B/100	44.6	155.7	4.6	6.9	6.9		(6.9)	7102
* SH	Manhang & Yobong Fms[19]	Cl	37.2N	128.7	255.5	-2.4	14.5	20.8	5,24	B/100	12.2N	226.6	1.2N	10.4	20.8			LEE[18]
3,SK	Manhang Fm LT[14]	Cl,ovp	37.2N	128.8	54	54.6	13.3	14.6	9,57	B/100	47	24.6	35.1N	14.6	20.6			7103
2,SK	Gobangsan Fm, Ocheon Zone	P	37.1N	129	230.3	-26.6	999.9	4.1	2,17	B/100	39.8	52.6	14.1N	2.4	4.4			1085
3,SK	Kohan&Tosagok Fms[13]	Pl	37.2N	128.8	178.3	-11.5	113.6	6.3	6,41	B/100	58.7	131.9	5.8N	4.1	4.1		(4.1)	7101
4,SK	Gobangsan Fm	Pl	37.2N	128.7	258.0	12.2	14.4	16.4	2,7	B/100	5.7	51	6.2	8.5	16.7			7001
3,SK	Gobangsan Fm[2]	P,ovp?	37N	128	331.5	25.1	16.9	12.8	9,63	B/100	55	182	13.2N	7.4	13.7			1065
* SK	Donggo Fm[17]	PTr	37.2N	128.7	271.9	-33.4	57.1	16.5	3,15	B/100	9.5N	202.9	18.3N	10.7	18.8			Lee[18]
3,SK	Nogam Fm	Tre	37N	128	325.9	46.1	19.8	11.8	9,62	B/100	60	210	27.5N	9.7	15.1			1066
4,SK	Nogam Fm	Tre-m	37.2N	128.7	76.8	37.2	29.3	8.9	4,18	B/100	22.6N	209.1	20.8N	6.1	10.4			7000
3,SK	Tonggo Fm HT	Tre-m	37.2N	128.8	1.1	19.4	26.4	18.2	4,30	B/100	63.2	126.1	10.0N	12.6	12.6		(12.6)	7099
3,SK	Tonggo Fm LT[12]	Tre-m, ovp	37.2N	128.8	58.8	55.5	24.7	5.1	5,33	F/O	43.6	21.5	36.0N	5.2	7.3			7100
2,SK	Nogam Fm, Ogcheon Zone[5]	Tr	37.1N	129	282	-52.6	19.4	28.8	3,25	B/100	11	5.5	33.2N	27.3	39.7			1086
4,SK	Songnim Granites & Seds[9]	Trl	36N	128	62.9	35.7	27	15	5,41	B/100	33.5	35.9	19.8N	16.3	16.3	(23)	(16.3)	6575

4,SK	Kyongi,Ryongnam, Granites[7]	Je-m	37N	127.5	39.6	57.6	31	11.1	7,53	F/O	59.5	19.3	38.2N	12.8	12.8	(23)	(12.8)	6573
4,SK	Okchon Belt Granites[8]	Je-m	36N	128	337.5	47	32	10.8	7,48	F/O	69.4	204.9	28.2N	10.1	10.1	(37)	(10.1)	6574
3,SK	Bangsong and Nampo Fms[3]	Je-l	36.7N	127.3	313.4	43.1	11.2	16	9,108	B/100	49	215	25.1N	12.3	19.8			1067
4,SK	Gyeongsang Basin, seds volcs	Ke	36.1N	128.7	28.0	56.7	54.6	4.6	19,70	B/100	67.6	25.1	37.3N	5.8	5.8			3746
2,NK	Sandstone	Kl	39N	125.8	26	67	70	3.5	,8	F/O	69	357	49.7N	4.8	5.8			3790
3,SK	Gyeongsang Supergroup, seds,volcs	K	36N	128.5	33.0	60.9	195.1	5.5	5,53	B/100	64	195	41.9N	6.4	8.4			1068
2,SK	Granites[4]	K	36.2N	128.3	3.5	57.3	65.5	8.3	6,45	F/O	86.7	5.7	37.8N	8.9	12.1			1076
2,SK	Andesites, rhyolites, dacites	K	36N	129	19.5	53.3	43.6	9.5	5,35	F/O	73.9	41	33.9N	9.2	13.2			3455
2,SK	Gyeongsang Supergroup[6]	Kl	35.5N	128.5	26.6	62.3	85	8.3	5,82	B/100	68.9	11.2	43.6N	10.1	12.9			1121
3,Sk	Pohang Basin Volcs[16]	Tm	35.9	129.5	39.4	46.2		9.5	25,147	B/100	56.7	37.2	27.5N	9.1	9.1	(11.1)	(9.1)	7220
0,SK	South Korean Basalts	Tp-Qp	37N	128.5	26.0	45.0	26	15	5,35	F/O	66	57	26.6N	12	19			3294

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1 Barremian to Aptian age K-Ar ages 70.5, 88, 90 Ma are too young ages
2 Gigantopteris flora, Permian (or possibly Triassic). Negative foldtest
3 Late Jurassic (Bansong), Early Jurassic (Nampo)
4 K-Ar ages: 71, 73, 84.4, 87.8, 112, 121 Ma
5 Slightly negative foldtest
6 K-Ar age 68.1 Ma, intruding rocks 62-88 Ma, See also RESULTNO 1068, REFNO 1593
7 Rb-Sr ages 165,202 Ma, K-Ar ages 65-178 Ma
8 Rb-Sr ages 163-190 Ma, K-Ar 121-170 Ma
9 Rb-Sr ages 211-228 Ma
10 Remagnetized during Brunhes Epoch
11 Middle Carboniferous
12 Late Jurassic-Cretaceous overprint
13 Kazanian to Tartarian in age
14 Lower Moscovian age for overlying beds
15 Late Jurassic to Cretaceous overprint
16 K-Ar age range 15-22 Ma
17 Permo-Triassic boundary sections
18 Lee et al. (1996)
19 Moscovian

Tectonic unit legend: NK= northern Korea; SK= southern Korea

TABLE 3.5 ALASHAN - HEXI CORRIDOR TERRANE MEAN POLES

CAMBRIAN - RECENT

		SITE				DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
*	Ningxia Lst	CBm	37.0N	105.0							48.0N	228.6	8.7N				?	XIZH
*	Gansu Tuff	Oe	36.5N	104.0							32.7N	353.0	4.6N				6.3	XIZH
*	Gansu Volc sed	Om	36.5N	104.0							3.4N	351.7	15.0N				5.2	XIZH
*	Ningxia, seds	Sl	36.5N	104.0							62.0N	317.0	12.0N				?	XIZH
*	Gansu, seds	Sl	39.0N	98.0							45.1N	5.5	23.4N				4.7	XIZH

XIZH Zhao et al. (1996)

TABLE 3.6 SOUTH CHINA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Meishucub sect[45]	V-CBe, ovp	24.7N	102.5	4	-9.1	9	6.6	,57	F/0	60.8	94.1	4.6	3.4	6.7			7003
2	Shuijintuo Fm	CBe	31.7N	110.7	30	34		14	3,27	B/100	59	38	18.6N	9.1	16			950
3	Shuijingto Fm	CBe	30.8N	111.2	69.5	51.5	227	6.1	4,16	B/100	31.8	0.2	32.2N	5.7	8.3			1034
3	Tianheban Fm	CBe	30.8N	111.2	89.6	25.5	29	23.2	3,14	B/100	7.1	9.8	13.4N	13.5	25			1032
3	Hetang Fm	CBe	30.2N	119.7	274.5	-27	29	17.2	4,21	B/100	3.4	15.6	14.3N	10.2	18.7			1033
3	Meishucun Fm[43]	CBe	24.4N	102.3	271.1	37.5	17	10.2	13,39	B/100	9.4N	31.1	21.0	7.1	12			1035
4	Palaeoz Seds[10]	CB-P,ovp	31N	113	19.4	56.2			82,357	F/0	72.9	0	36.8N	6.5	6.5	(38.4)	(6.5)	1805
4	Palaeoz Seds[44]	CB-P,ovp	30.5N	111.5	342.4	53.8			10,50	F/0	74.7	220.8	34.3N	11.2	11.2	(494.9	11.2)	1806
4	Hongshiya Fm[14]	Oe (le)	25.5N	103	300.7	66.1	21	16.9	5,29	B/100	38.9N	55.7	48.5N	22.6	27.7			6229
4	Daqing Fm	Om, ovp (Ce rem)	25.5N	103	52.7	-19.9	246	3.5	8,111	B/100	27.4	40.8	10.3	1.9	3.7			6231
4	Tangshan Section Seds Comp A[42]	Om-Pe, ovp Tr-J	32N	119	350	-3	18	7.2	21,125	B/100	55	136	1.5	3.6	7.2			7435
4	Tangshan Section Seds Comp B[42]	Om-Pe, ovp Tr-J	32N	119	354	-4	14.6	8.4	3,19	F/0	55	129	2.0	4.3	8.4			7436
4	Sediments, Sichuan & Yunnan	S	28.5N	109	87.4	12.1	41	6	15,68	B/100	4.9	14.7	6.1N	5.6	5.6	(47.5)	(5.6)	1804
4	Devonian Sedim[18]	D	24.5N	103	279.2	2.7	13	6.9	7,33	B/100	8.9N	10.4	1.4	3.5	6.9			6562
*	Nayi, ZuoOzhou[48]	De-m			189.7	1.2	39	6		B/100	22.7N	107.5						LIU[50]
*	Dapoushang section[48]	D-C	25.8N	106.4	91.4	8.3	347.7	4.3	3,67	B/100	0.6	192.1	4.2	2.2	4.3			LIU[49]
4	Gelaohe Fm	Ce, ovp (Jur?)	27.2N	111.5	22.5	42.8	18.1	6.1	2,32	B/100	69.7	23.1	24.8N	6.9	6.9		(6.9)	6386
4	Huanglong Fm	Cl, ovp (Jur?)	29.7N	120.2	28.2	38	53.3	6.3	5,11	B/100	63.3	41.8	21.3N	6.2	6.2		(6.2)	6387
4	Chuanshan Fm[15]	Cl, ovp (L Jur?)	25.8N	117.3	22.9	27.6	11	9.6	4,23	B/100	65.8	50.3	14.7N	9.4	9.4		(9.4)	6388

3	Emeishan basalts & lst	Pl	29.5N	103.5	22.9	2.2		19.5	1,7	B/100	54.2	61.8	1.1N	9.8	19.5		1225
4	Emeishan Basalts[7]	Pl (236 Ma)	29.6N	103.4	17.8	-6.9	26.6	6.4	20,105	B/100	52.8	73.3	3.5	3.2	6.4		1293
4	Emeishan Basalts[9]	Pl (219-253 Ma)	29.6N	103.4	20.7	-11.6	37.4	3.6	32,44	B/100	49.7	72	5.9	2.8	2.8	(2.8)	1302
4	Emeishan Basalts, Daqiao	Pl	26.2N	102.2	23.5	-4.5	37.1	10	7,30	B/100	53.5	61.8	2.3	5	10		1965
4	Emeishan Basalts, Dapinzi	Pl	26.1N	103.1	30.1	5.9	5.9	24.9	8,36	B/100	52.4	45.9	3.0N	12.5	24.9		1966
4	Emeishan Basalts, Lijiao	Pl	25.9N	100.6	242	1.3	25.9	24.8	3,15	B/100	24.7	24.3	0.7	12.4	24.8		1967
4	Emeishan Basalt[21]	Pl	29.5N	103.4	16.4	-4.5	71.2	3.5	24,125	B/100	54.5	74.3	2.3	1.8	3.5		1198
3	Emeishan Basalt[22]	Pl	28.3N	103	17.9	-5.9		20	2,20	B/100	54.3	71.2	3.0	10	20		7023
3	Emeishan Basalt[23]	Pl	26.8N	101.8	55.9	-15.8		12.2	3,31	B/100	25.6	36.4	8.1	6.5	12.6		7024
3	Emeishan Basalt[22]	Pl	29.6N	103.5	38.4	-11.8		4.8	,46	B/100	38.5	51.6	6.0		4.9		7025
3	Emeishan Basalt[22]	Pl	28.1N	102.9	18.1	-4.9		6.6	,19	B/100	58.9	66.1	2.5	3.3	6.6		7026
3	Emeishan Basalt[22]	Pl	27.6N	101.9	7.8	-3.9		9.8	,17	B/100	63.5	84.3	2.0	4.9	9.8		7027
2	Emeishan Basalt[33]	Pl	26.4N	105.7	224.5	30.3		12	1,5	B/100	29.3	55.3	16.3	7.4	13.4		7071
4	Emeishan Bas, N[40]	Pl	25N	102.7	25.5	-11.9	63.5	6.1	10,57	B/100	50.3	61	6.0	3.2	6.2		7204
4	Emeishan Bas, R[40]	Pl	25N	102.7	241.1	2.6			1,2	B/100	22.7	25.8	1.3N				7205
4	Xuanwei Fm[6]	Pl	29.6N	103.4	24	-2.4	14.8		2,6	B/100	51.6	62.7	1.2				1294
4	Xuanwei Fm[20]	Pl	29.6N	103.4	12	-2.6	26.8	8.5	,12	B/100	57	80.9	1.3	4.3	8.5		7016
4	Changxing Fm	Pl	31N	119.7	37.1	24.6		8	,16	B/100	51.1	50.3	12.9N	7.4	7.4	(7.4)	7031
3	Changxing Fm[32]	Pl	31N	119.8	44.8	44.9		6.8	13,42	B/100	50.7	24.8	26.5N	5.4	8.6		7069
*	Emeishan basalts, Weining	Pl	26.7N	104.0	359.3	-5.9		10.0	1,9	B/100	60.3	105.4	3.0	5.0	10.0	(7.1)	HO[47]
4	Changxing Fm[39]	Pl, ovp?	31N	120	27.6	40.9	41.6	6.5	,13	B/100	64.5	39.7	23.4N	4.8	7.9		7178
3	Shangsi Lst[3]	Pl-Tre	32N	105.5	35.9	12.8		5.3	,114	B/100	47.9	45.1	6.5N	2.8	5.4		607
4	P-Tr Seds, GPW section[11]	Pl-Tre	32.4N	106.4	36.4	12.2	32.7	4.1	,38	B/100	47.2	46.3	6.2N	2.1	4.2		6161
4	P-Tr Seds, LP section[12]	Pl-Tre	29.6N	105.6	37.4	6.2	27.5	7	,17	B/100	45.8	45.2	3.1N	3.5	7		6162

4	Tre Seds, HPT section[13]	Tre	29.9N	106.3	50.4	17.1	33.5	3.2	,62	B/100	38.5	29.8	8.7N	1.7	3.3		6163
4	Feixianguan Fm, HT section	Tre	29.9N	106.3	49.4	14.9	22.4	6.2	,26	B/100	38.7	31.8	7.6N	3.2	6.3		6164
4	Yelang Fm[4]	Tre	28.6N	106.9	40	13.1	23.1	10.9	9,	B/100	46.3	39.2	6.6N	5.7	10.9		1124
4	Feixianguan Fm[6]	Tre (Gr-Nam)	29.6N	103.4	27.7	15.6	18.7	3.3	,101	B/100	56.2	47.6	8.0N	1.7	3.4		7015
3	Feixianguan Fm	Tre	29.5N	103.5	42.8	-18.3		18.5	,8	B/100	33.3	50.1	9.4	10	19.2		1226
4	Feixienguan & Jialingjiang Fms	Tre	29.7N	106.6	46.1	11.9	83.6	8.7	5,49	B/100	40.6	35.9	6.0N	4.5	8.8		6114
3	Feixianguan Fm	Tre	29.9N	106.4	44.7	34.1		9.5	,15	B/100	48.1	21.4	18.7N	6.2	10.9		7029
3	Jialingjiang Fm[29]	Tre	28.2N	103	32.5	25.2		5.5	2,16	B/100	33.3	50.1	13.2N	10	19.2		7058
3	Lamei & Qingtianbao Fms[29]	Tre	27.4	101	49.1	53.7		6.7	4,30	B/100	47.5	348.7	34.2N	6.5	9.4		7059
4	Daye Fm	Tre (Induan)	29.5N	110	52.5	28.5	48.6	5.7	2,15	B/100	39.8	25.1	15.2N	3.4	5.3		7176
4	Yinleng Fm	Tre	31N	120	215.7	-22.6	11.8	11.2	,16	B/100	51.8	52.1	11.8N	6.3	11.9		7179
4	Xiaqinglong, Shangqinglong & Huanmaqing Fms[5]	Tr	32N	119	224.8	-24.4	11.5	9.3	,23	B/100	44.8	43.6	12.8N	5.4	10		1125
3	Triassic Lst[25]	Tr	29.9N	106.4	73.6	45.1		4	,103	B/100	26.2	359.3	26.7N	3.2	5.1		7030
*	Xikou Fm	Tre	26N	118	302.7	-25.2	34.2	6.0	,18	B/100	21.8	179.9	13.2N	3.5	6.5		GIL[51]
3	Leikupo Fm	Trm	28.3N	103	186.6	-29.4		18.4	2,10	B/100	76	75.8	15.7N	11.2	20.3		7056
3	Yantang Fm[28]	Trm	27.4N	101.5	59.8	48.2		4.6	2,11	B/100	37.9	354.5	29.2N	3.9	6		7057
3	Dulaying Dolom[31]	Trm	26.7N	106.7	67.1	41.7		2.8	1,11	B/100	30.1	3.1	24.0N	2.1	3.4		7066
4	Zhengfeng Sst Comp1[36]	Trm	25.3N	105.4	355	13	178	5	5,20	B/100	70	120	6.6N	5.2	5.2	(5.2)	7125
4	Zhengfeng Sst Comp2[36]	Trm	25.3N	105.4	351	18	278	6	4,15	Bp/10	71	135	9.2N	6.2	6.2	(6.2)	7126
4	Zhengfeng Lst[37]	Trm	25.3N	105.3	1	-4	8.3	12	4,17	B/100	63	103	2.0S	12	12	(12)	7127
*	Baifeng Fm	Trm	24N	107	56.1	6.9	39.2	9.8	7,	B/100	32.2	28.7	3.5N	5.0	9.9		GIL[51]
3	Huachi Fm	Trm-l (Car-An)	26.5N	107	215.7	-26.1		5.7	,8	B/100	54.6	29.1	13.8N	3.3	6.2		1224

3	South Sichuan Sedimens[27]	Trl	26.6N	101.7	42.8	39.2		5.7	10,58	B/100	51	9.5	22.2N	6.7	6.7		(6.7)	7055
4	L Juras redbeds[17]	Je	26.8N	102.3	30.3	44.6	17.5	13.6	8,34	B/100	63.8	8.2	26.3N	16.1	16.1		(16.1)	6511
2	Fengjiahe & Yimen Fms	Je	26.5N	102.2	25.3	41.8		7.6	3,14	B/100	69.4	12.4	24.1N	5.8	9.4			7054
2	S Sichuan Seds[26]	Jm	27.5N	101.8	30.5	43.9		9.7	5,27	B/100	62.3	7	25.7N	7.7	12.4			7053
3	Ziliujing Fm[20]	Jm	26.6N	106.7	25	47.7		12	3,18	B/100	67.8	5.3	28.8N	10.2	15.6			7065
4	U Juras Redbeds[16]	Jl	26.7N	102.4	17.9	45.6	80	3.7	20,99	B/100	74.2	5.7	27.1N	3.8	3.8		(3.8)	6510
4	Sichuan Redbeds	JL-Kl	30N	103	2	34.2	63.1	3.6	26,372	B/100	78.6	93.4	18.8N	2.4	4.1			6177
4	Xinjin & Guanyin Redbeds	Jl-Kl	29.4N	104.4	16.5	34.2	30.3	6.4	18,184	B/100	71.3	46.1	18.8N	4.2	7.3			6585
4	Feitianshan Fm	Ke	26.8N	102.5	22.1	37.1	251.1	3.8	7,35	B/100	69	24.6	20.7N	4.3	4.3	(203.3	4.3)	6434
4	Puchanghe Fm[19]	Ke	25N	101.5	43.7	36.2	8.1	17.1	11,55	B/100	49.5	9.3	20.1N	11.6	19.9			6652
3	Feitianshan Fm	Ke	27.9N	102.3	14.2	44.5		14.5	2,11	B/100	77.4	16.2	26.2N	11.5	18.3			7052
3	Chaochuan & Guantuo Fms	Ke	29.7N	120.3	13.6	42.7		6.1	7,62	B/100	77.1	47.6	24.8N	5.5	5.5		(5.5)	7061
4	Xinlong Fm	Ke	22.7N	108.7	355.9	39.1	67.9	6.8	8,72	B/100	86.5	206.4	22.1N	6.8	6.8		(6.8)	7111
4	Puko, Yanzijing Fms[1]	Kl	32N	119	13.7	58	41.6	7.6	10,43	B/100	76.3	352.6	38.7N	10.3	10.3	(22.9)	(10.3)	551
4	Xiaobe Fm	Kl	26.5N	102.4	8.1	38.8	28.8	6.6	18,91	B/100	81.5	40.9	21.9N	7.1	7.1		(7.1)	6433
4	Matoushan Fm[19]	Kl	25N	101.5	45.6	46.6	12.4	14.3	10,50	B/100	49.3	357.1	27.9N	11.8	18.4			6651
3	U Cret Redbeds[25]	Kl	29.9N	103.1	359	51.6		3.9	15,129	B/100	88.1	255.7	32.3N	3.6	5.3			7049
3	Xiaobu Fm	Kl	26.6N	102.4	12.6	46.2		5.3	3,20	B/100	78.9	6.6	27.5N	4.3	6.7			7051
4	Upper Series Deposits[34]	Kl	22.2N	108.7	349.3	35.3	31.7	9.3	1,9	B/100	79.4	187.1	19.5N	10	10		(10)	7112
4	Shanxian Fm	Kl	26N	117.4	27.1	40.2	41.4	5.1	2,20	B/100	65.1	27.2	22.9N	5	5		(5)	7114
4	Sanshui Fm	Kl	23.1N	113.3	36.6	27.1	53.6	4.6	,19	B/100	56.2	31.5	14.4N	3.9	3.9		(3.9)	7115
4	Xiaoba, Leidashu Fms[2]	Kl-Tpa	26.5N	102.3	357.6	31.6	26.7	8.6	,12	B/100	80.8	116.8	17.1N	7.7	7.7	(32.6)	(7.7)	552
4	Leidashu Fm	Tpa-e	26.4N	102.3	178.7	-13.7	25.7	12.1	7,33	B/100	70.6	106.1	7.0N	11.6	11.6	(28.8)	(11.6)	6435
4	Liuchou & Nadu Fms[35]	Tpa-e	23.6N	107	325.5	33.2	31.5	6.5	2,17	B/100	58.6	198.2	18.1N	7.4	7.4		(7.4)	7113

4	Fenghuanshan Fm[41]	Te	22.8N	108.4	185	-34	36.3	4.3	5,31	B/100	83.8	56	18.6N	4.3	4.3	(36.3)	(4.3)	7226
*	Fenghuangshan Fm, Guangxi	Tem	22.8N	108.4	5.7	35.0	75.3	8.9	5,	B/100	83.6	48	19.3N	5.9	10.3	(81.1)	(8.5)	ZHA[46]

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1 Tilting in Late Cretaceous to Early Tertiary
2 Folding after Palaeocene
3 Dalong and Feixianguan Fms, N and R not antipodal due to incomplete cleaning
4 Folding Ku-Tpa, slight increase in dispersion upon bedding correction, N and R not antiparallel
5 Lower to Upper Triassic formations
6 Late Cretaceous folding. Components A (<600°C)and B (>600°C) combined. Very slight increase in disperion upon bedding correction for A+B, B improves
7 Late Cretaceous folding. Superseded by RESULTNO 7016
8 Overlies Emeishan Basalts, Late Cretaceous folding. Superseded by RESULTNO 7015
9 No change in statistics upon bedding correction. See also REFNO 1726
10 Cretaceous remagnetization, 14 formations averaged
11 Wujiaping, Dalong and Feixianguan Fms
12 Changxing and Feixianguan Fms
13 Jialingjian and Feixianguan Fms, very slight decrease in dispersion upon bedding correction
14 Late Early Ordovician, folding Tertiary age
15 Uppermost Carboniferous
16 Niugundang and Guangou Fms
17 Xinain and Yimen Fms
18 Zaige (Dl), Haikou (Dm), Cuifengshan (De) Fms, folding Tertiary age
19 Location near Red River Fault, Palaeogene folding
20 Changxingian age, supersedes RESULTNO 1294, folding Kl
21 longtanian age, K-Ar 219-253 Ma, mean age in Sichuan 235 Ma, folding Kl, supersedes RESULTNO 1293
22 Longtanian age
23 Longtanian age, close to Anninghe Fault
24 Feixinguan to Sujiaohe Fms (whole of Triassic)
25 Lushan, Yuguangpo and Jinjiguan Fms
26 Zhanghe, Xinchun and Zhounggouenshan Fms
27 Xujiahe, Bingnam and Boujawan Fms
28 Noisy Zijderveld plots, structural problems?
29 Structural problems?
30 N and R not antipodal
31 Single component!
32 Type section, noisy Zijderveld plots
33 Longtanian age, 9 sites rejected due to alteration, AF cleaning, single site accepted looks odd
34 No improvement in disperison upon bedding correction
35 Late Palaeocene and Eocene
36 Folding Early Jurassic? Magnetization associated with Late Triassic to Jurassic folding
37 Folding Early Jurassic. No change in dispersion upon bedding correction
39 Changxingian age. Dispesion increases upon bedding correction
40 Longtanian age. SEM/STEM shows secondary magnetite
41 Middle Eocene age
42 Major folding in Triassic-Jurassic. Interpreted as folding induced remagnetization
43 Tommotian age
44 Miocene remagnetization, mean of two formations
45 Section contains Precambrian-Cambrian boundary, Interpreted as Mesozoic overprint, REFNO 2402
46 Zhao et al. (1994)
47 Huang and Opdyke (1995), conglomerate test
48 Early-Middle Devonian boundary
48 Devono-Carboniferous boundary section
49 Liu et al. (1991)
50 Liu et al. (1988)
51 Gilder et al. (1995)

TABLE 3.7 SOUTH CHINA MEAN POLES

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
*	Zhejiang,seds	CB	24.4N	102.3							3.4	15.0	1.1				8.8	XIZH
*	Yunnan,seds	O	24.5N	103.0							38.9N	55.7	48.5N				16.9	XIZH
*	Zhejiang,seds	Ol	30.0N	120.0							17.0	22.0	15.3N				3.0	XIZH
*	Sichuan,seds	S	28.5N	108.0							4.9N	194.7	5.2N				5.6	XIZH
*	Jiangsu,seds	De	32.0N	119.0							57.2N	277.5	1.0N				?	XIZH
*	E Yuanna, lst	Dm	24.5N	103.0							8.9	190.4	1.3				6.9	XIZH
*	SCB	Cl									19.1N	227.1					16.9	XIZH
*	SCB	Pe									31.4N	224.1					11.0	XIZH
*	SCB mean Pm	Pm									52.9N	242.5					7.2	XIZH
*	SCB mean Pl	Pl									52.7N	246.4					9.1	RAEN
*	SCB, Tre mean	Tre									45.6N	218.4					6.5	XIZH
*	SCB Tre	Tre									45.7N	217.7					4.5	RAEN
*	SCB	Trm-l									45.1N	194.4					16.8	XIZH
*	SCB Trm-l mean	Trm-l									45.1N	194.4					16.8	RAEN
*	SCB	Je									65.5N	190.9					5.3	XIZH
*	SCB Je	Je									69.4N	192.4					7.4	RAEN
*	SCB	Jm									65.0N	186.2					15.0	XIZH
*	SCB Jm mean	Jm									65.0N	186.2					15.0	RAEN
*	SCB mean Jl	Jl									74.0N	223.0					8.1	XIZH
*	SCB mean Jl	Jl									72.3N	208.6					13.5	RAEN
*	SCB mean Ke	Ke									77.3N	219.6					7.0	XIZH
*	SCB mean Ke	Ke									77.8N	208.4					7.0	RAEN
*	SCB mean Kl	Kl									79.5N	197.0					6.6	XIZH

*	SCB mean Kl	Kl	77.9N	223.1	7.8	RAEN
*	SCB	Ter	85.4N	241.7	13.5	XIZH

XIZH Zhao et al. (1996)
RAEN Enkin et al. (1992)

TABLE 3.8 INDOCHINA

CAMBRIAN - RECENT

		SITE			DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
*	pre-Khorat	D			192.6	8.0	16.0	31.6	3,	B/100	65.6	71.3						RIF'
*	pre-Khorat	D			62.0	-12.1	120.0	11.3	3,	B/100	24.5	28.2						RIF'
4	Khorat Plateau, Sed & Volcs	(D-J) Te,ovp	16.5N	102	31.9	39.9	100	4.6	12,97	F/0	59.4	355.2	22.7N	3.3	5.5			6215
*	Khorat Group	P			54.7	31.7	45.0	18.5	,25	B/100	37.9	359.3						RIF'
*	Khorat Group	P			60.1	31.4	36.0	15.4	,27	B/100	32.8	3.4						RIF'
4	U. Perm. Lst[3]	Pl	16.7N	101.8	33	39.4	75.4	6	9,58	B/30	58.4	354.2	22.3N	4.3	7.2			7106
3	Iwanshui Fm	Tre	23.5N	101.9	133.6	16.3		7.1	4,4	B/100	34.6	162.4	8.3?	3.8	7.3			1223
3	Lom Sak Fm	Trm	17N	101	18	21	13	14	10,30	B/100	71	28	10.9N	8	15			6362
2	Red sediments	Trm-Je	17.5N	100	35.6	38.8	31.7	12	6,19	B/100	56.3	356.6	21.9N	8.5	14.3	(25.6)	(13.5)	1533
4	Huai Hin Lat Fm[1]	Trl (Nor)	16.6N	101.8	43.2	42.9	106	7.5	5,26	B/100	49.2	352.3	24.9N	7	7			540
4	Huai Hin Lat Fm[4]	Trl	16.7N	101.8	39.5	44.4	85	8.3	5,56	B/100	52.1	349.8	26.1N	7.3	7.3	(109.4	7.3)	7107
4	Nam Phong Fm	Trl-Je (p-Nor)	16.7N	101.8	37.2	40.1	71.6	6.6	8,54	b/100	54.4	355.6	22.8N	7.3	7.3	(58)	(7.3)	7108
3	Nam Phong Fm	Trl-Je	17N	101	34	41	20	12	9,27	B/100	58	354	23.5N	9	14			6361
*	Thai sediments	Trl-Je									60	5				(11)	(18)	RVO[6]
*	Redbeds	J	16.9N	100.7	21.9	36.9	20	11.7	3,9	B/100	69	357	20.6N	8	13.7			2360
*	Thai redbeds	J									43	22					(15)	RVO[6]
3	Phu Kradung Fm	Je	17N	101	33	29	31	7	15,45	B/100	58	8	15.5N	4	8			6360
*	Thai sediments	Je									53	0				(19)	(9)	RVO[6]
4	Sao Khua Fm	Je	16.6N	103	26.6	37.3	339.2	2.6	10,73	B/100	64.8	358.1	20.9N	2.3	2.3	(443)	(2.3)	7109
3	Phra Wihan Fm[2]	Jm	13N	102	31	41	10	13	14,42	B/100	60	354	23.5N	10	16			6359
3	Sao Khua Fm	Jm	13N	102	33	35	23	8	16,48	B/100	59	4	19.3N	5	9			6358

4	Hepingxiang Fm[5]	Jm	23.6N	100.5	83.3	36.8	81.5	5.4	10,49	B/100	14	353.6	20.5N	4.2	4.2		(4.2)	7142
*	Thai sediments	Jm-l									67	357				(10)	(14)	RVO[6]
*	Thai red sedim	Jm-l									80	291				(13)	(26)	RVO[6]
2	Red sediments	Jl	16.8N	100	2	22.6	13	20	2,9	B/100	84.6	78.7	11.8N	11	21			1534
4	Bazhulu Fm	Jl	25.4N	100.2	7.3	25.3	54.9	10.4	5,20	B/100	76.3	70	13.3N	10.4	10.4		(10.4)	7141
3	Phu Phan Fm	Ke	17.5N	102	45	19	110	41	3,9	B/100	46	17	9.8N	23	43			6357
4	Nanxing Fm	Ke-l (Km?)	25.6N	100.2	186.9	-47.7	36.9	8.6	9,42	B/100	83.6	332.7	28.8N ?	10	10		(10)	7138
4	Mangang Fm (Jinggu)	Ke-l (Km?)	22.5N	101.2	79.4	43.3	38.3	9.1	8,39	B/100	18.9	350	69.5?	8.9	8.9		(8.9)	7139
4	Mangang Fm (Mengla)[5]	Ke-l (Km?)	22.5N	101.2	60.8	37.8	41.4	7.6	10,55	B/100	33.7	359.3	21.2N	8.2	8.2		(8.2)	7140
4	Khok Kruat Fm	Ke (Apt-Alb)	16.2N	102.6	28.1	40.5	398.5	2.4	10,88	B/100	62.7	353.3	23.1N	2.4	2.4	(390.6	2.4)	7110
3	Khot Kruat Fm	Km	17.5N	103	47	29	19	14	7,21	B/100	45	9	15.5N	9	16			6356
*	Mae Moh	Tm	18.3N	99.7	164	-12.8	28	9.9	1,9	B/100	70.4	154.6	6.5N	5.1	10.1			RIC[8]
2	Denchai Basalts	Tm-Tp	17.9N	100.1	200	-30	148	5	7,24	F/0	70.8	12.5	16.1N	3.1	5.5			642
3	Centr Chao Phrya Basin basalts	Tm-Qp	15.3N	100.9	24.4	26.2	19.2	6.9	24,142	F/0	66.4	9.5	13.8N	6.2	6.2	(23.5)	(6.2)	405
3	Khorat Plateau basalts	Tm-Qp	14.6N	103.4	4.3	27.8	15.1	5.2	29,185	F/0	85.7	351.4	14.8N	5.4	5.4	(25.6)	(5.4)	406

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1 Overprint according to Yan and Courtillot (1989); uncorrected results D= 39.6, I=27.7, KD=24, ED95=15.8
2 Underlies Sao Khua Fm
3 Partial bedding correction only, folding is Pre-Late Triassic
4 Compare with 1, database does not indicates secondary origin?
5 KD decreases slightly upon bedding correction
6 Van der Voo (1993)
7 Richter and Fuller (1996)
8 Richter et al. (1993)

TABLE 4 SOUTH ASIAN CONTINENTAL BLOCKS

4.1 Altai-Sayan
4.2 Kazakhstan
4.3 Junggar
4.4 Tarim
4.5 Tarim - Junggar mean poles
4.6 Ferghana
4.7 Shan-Thai-Malay
4.8 Qiangtang
4.9 Lhasa
4.10 Amur
4.11 Turan
4.12 Iran
4.13 Afghanistan
4.14 Kunlun

TABLE 4.1 ALTAI-SAYAN

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
1	Ust'Agulsk Grp[2]	CBe	55.5N	97.5	330	32	30	3	58,87	B/100	44N	320	17.4?	1.9	3.4			5409
0	Ust'Kunda Grp Locality-1[3]	CBe	55.5N	88	205	-32	179	4	6,129	B/100	47N	232	17.4?	2.5	4.5			5425
2	Ust'Kunda Grp Locality-2[3]	CBe	55.5N	88	20	2	56	4	1,21	B/100	31N	244	1.0?	2	4			5426
1	Ust'Kunda Grp Combined[3,4]	CBe	55.5N	88	204	-28	40	10	7,150	B/100	45N	233	14.9?	6	10.9			5427
2	Kuznetsk Intr& Sedimentss	CBe	54.3N	89.3	7	-20	25	4	1,49	B/100	25N	262	10.3N ?	2	4			5444
4	Karatsh Massif Intr & Seds	CBe	50.5N	95	133	-11	5	10	6,48	B/100	30.4N	332.6	5.6?	5.1	10.1			5473
*	Ophiolite Belt	CBe	51N	89	151	-11	21	12.5	6,	B/100	38.5N	307.1	5.6?	6.4	12.7			PEC[5]
2	Kuznetsk Sediments	CBm	54.3N	89.2	214	4	14	5	,58	B/100	27N	230	2.0N?	2.5	5			5468
2	Gornaya Altai Gr	CBl-Oe	52N	84	155	28	90	5	4,10	B/100	19N	290	14.9N	3	5.5			5383
2	Chineta Group,l1	Se	52N	84	124	36	18	9	,19	B/100	3N	318	20.0N	6.1	10.5			5234
0	Chineta Gr. L2	Se	52N	84	297	-27	800	2	,10	B/100	4N	324	14.3N	1.2	2.2			5235
1	Chineta Gr comb	Se	52N	84	121	33	25	5	5,30	B/100	3N	319	18.0N	3.2	5.7			5236
2	Upper Baragashsk Group	De-m	51.5N	85.5	64	75	270	3	2,8	F/0	55	313	61.8N	5	5.5			5118
1'	Sulphide ores & intrusives	D-To	55N	88	20	65	150	8	4,177	F/0	76	22	47.0N	10	12			4142
0	Abshnevo & Nodona Groups	Dl-Ce	55N	87	322	-34	6	27	4,6	B/100	8N	303	18.6N	17.6	30.9			4978
1	M+U Ostrog Group	Ce	55N	86	315	-59	14	12	3,17	B/100	13	299	39.8N	13.4	17.9			4976
0	Dodyakovo Group	Ce	53N	87	295	-61	39	6	4,28	B/100	21	313	42.1N	7	9.2			4977
0	Alykaevo & Mazurovo Groups	Cl	55N	88	298	-57	12	8	2,24	B/100	17	315	37.6N	12	8			4958

2	Mazurovo Group	Cl	55N	88	294	-27	14	8	1,25	B/100	1N	330	14.3N	4.7	8.7	4959
1	L Balakhonsk Subseries comb	Cl	55N	88	295	-42	9	7	3,49	B/100	6	325	24.3N	5.3	8.6	4960
2	Promezhutochna & Ishanovo Group,1	Pe	54N	87	298	-78	22	9	6,14	B/100	40	295	67.0N	15.9	16.9	4729
0	Promezhutochna & Ishanovo Group,2	Pe	54N	87	80	63	12	3	2,15	B/100	40	333	44.5N	3.7	4.7	4730
2	Promezhutochna Group, Loc 1	Pe	55N	88	132	48	10	9	5,24	B/100	4	309	29.0N	7.7	11.8	4727
2	Promezhutochna Group, Loc 2	Pe	55N	88	121	60	16	14	4,22	B/100	18	311	40.9N	16	21.2	4728
2	Promezhutochna Group, Loc 3	Pe	55N	88	142	49	65	8	3,14	B/100	1	300	29.9N	7	10.6	4731
2	Balakhonsk Ser. combined	Pe	55N	88	122	61	17	17	20,89	B/100	19	310	42.1N	19.9	26	4732
2	Loc.1 Kuznets, Tailugan, Uskat, Kazanakono Gr.	Pl	55N	88	137	30	7	8	6,47	B/100	10	130	16.1N	4.9	8.9	4720
2	Loc.2 Kuznets, Tailugan, Uskat, Kazanakono Gr.	Pl	55N	88	133	47	5	9	6,52	B/100	3	309	28.2N	7.5	11.6	4721
2	Loc.3 Kuznets, Tailugan, Uskat, Kazanakono Gr.	Pl	55N	88	315	-43	17	9	6,24	B/100	1N	308	25.0N	6.9	11.2	4722
2	Loc.4 Kuznets, Tailugan, Uskat, Kazanakono Gr.	Pl	55N	88	318	-32	18	9	3,59	B/100	9N	308	17.4N	5.7	10.1	4723
2	Loc.5 Kuznets, Tailugan, Uskat, Kazanakono Gr.	Pl	55N	88	136	61	35	7	3,8	B/100	14	300	42.1N	8.2	10.7	4724
0	Kuznets Group	Pl	54N	87	270	-74	10	13	3,14	B/100	45	312	60.2N	21.2	23.5	4725
2	Koltchuga Ser. combined result	Pl	55N	88	133	48	19	16	27,204	B/100	3	308	29.0N	13.7	20.9	4726
2	Koltchuga Series	Pl	54.8N	86.4	78	68	28	3	1,87	B/100	45	327	51.1N	4	5	4735
1	Nizhnemaltzevo Group	Tre	54.2N	87.3	229	-70	54	4	1,22	B/100	62	337	54.0N	5	6	4563
2	Kuzbass sedim.	Je-m	54N	88	19	48	6	15	2,20	B/100	61	51	29.0N	12.8	19.6	4377
1	East Sayan Plateau basalts	Tm-Tp	52N	101	12	60	30	3	10,91	F/O	76	61	40.9N	3.4	4.5	3987

1	Obviously young overprint
2	K-Ar age 609 Ma
3	Tommotian to Atdabanian
4	Combined RESULTNOS 5425-5426
5	Pecherskii et al. (1994)

TABLE 4.2 KAZAKHSTAN

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	S Mugojary igneous & Seds	CB	49.2N	59.7	80	20	206	5	,118	F/O	14.3	330.4	10.3N ?	2.7	5.2			5273
3	S Mugojary igneous & Seds	CB	49.4N	60	62	20	14	6	,57	F/O	25.9	345.1	10.3N ?	3.3	6.3			5275
2	S Mugojary Seds	CB	49.1N	60	88	30	12	7	,40	F/O	13.4	320.8	1.5N?	4.3	7.8			5274
3	Shoshkinskaya Suite	CB	50.9N	58.6	229	56	80	6		B/100	8	21	36.6	6.2	8.6			7386
2	Kupinsk Group	CBl	50.8N	58.2	253	12	9	10	1,31	F/O	5.8	345.3	6.1	5.2	10.2			5223
3	N Mugojary Volcs & Seds Loc-1[2,3]	CBl-Oe	50.8N	58.3	81	-14	7	19	8,8	F/O	0.1	339.7	7.1	9.9	19.4			5277
4	N Mugojary Volcs & Seds Loc-2[2,3]	CBl-Oe	50.8N	58.3	255	29	12	11	12,13	F/O	2.8N	349.6	15.5	6.7	12.1			5278
3	N Mugojary Volcs & Seds Comb?[2,3]	CBl-Oe	50.8N	58.3	78	-23	9	10	20,21	F/O	1.9N	345.1	12.0	5.6	10.6			5279
4	N. Mugojary Seds	CB-Oe (-Trem)	50.8N	58.3	162	32	8	12	11,16	B/100	20N	256.6	17.4	7.6	13.5			5472
2	Batyrbay Seds	CBl-Oe (-Ar)	43.5N	69	17	0			,105	B/100	43.9	45.1	0					7390
3	N. Mugojary Volcs & Seds-1[3]	CBl-Oe (-Trem)	50.8N	58.3	81	-14	7	19	8,8	F/O	0.1	339.7	7.1	9.9	19.4			5277
4	N. Mugojary Volcs & Seds-2[3]	CBl-Oe (-Trem)	50.8N	58.3	255	29	12	11	12,13	F/O	2.8N	349.6	15.5	6.7	12.1			5278
3	N. Mugojary Volcs & Seds 1&2[3]	CBl-Oe (-Trem)	50.8N	58.3	78	-23	9	10	20,21	F/O	1.9N	345.1	12.0	5.6	10.6			5279
3	N, Mugojary Volcs & Seds	Oe (Trem)	50.8N	58.3	155	2	6	20	9,9	B/100	34N	268.9	1.0	10	20			5380
3	Garshinkaya Seds	Oe (Ar)	52.7N	66.9	156	9	5	18		B/100	29	95	4.5	9.2	18.2			7381
2	E. Mugojary sed[1]	Oe (ovp?)	49.2N	57.9	215	-34	27	7	21,21	F/O	48.5	2.8	18.6N	4.6	8			4885

2	Basarbay allocht intrusions	Oe-m	49N	73	192	33		11	1,8	B/100	22N	241	18.0	7.1	12.5	6792
2	Duana-Karasu allocht basalts	Oe-m	49N	73	273	18		12	1,9	B/100	9	167	9.2?	6.5	12.5	6793
3	Mayachnaya seds	Oe-m (Ar-Llv)	53N	61	345	-2	6	13	,24	B/100	35	78	1.0	6.5	13	7377
2	Uralian basalts &Jaspers	Oe-m (Arl-Lv)	53.5N	61.5	178	-20	14	7	,30	B/100	47	61	10.3N	3.8	7.3	7378
2	Uralian pillow-lavas & jaspers	Oe-m (Ar-Lld)	52.5N	61.9	163	-12	4	21		B/100	41	85	6.1N	10.9	21.3	7379
3	Kupinskaya Seds	Oe-m	50.9N	58.6	209	-13	18	8		B/100	39	20	6.6N	4.2	8.2	7385
2	Arkharsu allocht gabbroa	Om	47N	76	177	35	3	15	1,35	B/100	24N	259	19.3	10	17.3	6784
2	Oboly allochton basalts	Om	47N	76	228	28	3	12	1,20	B/100	14N	208	14.9	7.2	13.1	6785
4	Ophi Zhangystal, Itmurundy & Ushtogan Mtns	Om	47N	76	205	26	59	9	3,100	B/100	25N	229	13.7	5.3	9.7	6783
2	Ign rocks comb (6783-6785)	Om	47N	76	204	31			5,155	B/100	22N	231	16.7			6786
4	Bazarbaysky allocht volcs	Om	49.3N	73.3	194	19	37	13	3,57	B/100	29N	237	9.8			6872
4	Bazarbaysky allocht metam	Om	49.3N	73.3	189	19	56	9	1,14	B/100	30N	243	9.8			6873
4	Bazarbaysky allocht comb	Om	49.3N	73.3	192	19			4,71	B/100	30N	240	9.8			6874
4	Yplpak Massif	Om	50.8N	74.8	152	31	68	12	2,28	B/100	18N	283	16.6			6875
3	Mayljen basalts (allochtonous)	Om	50N	76.6	184	1.3		13	,9	B/100	39	71	0.7	6.5	13	7358
3	Agyrek basalts (allohthonous)	Om	51N	74	110	-3		15	3,29	B/100	14N	330	1.5?	7.5	15	7359
4	Tkenekty massif	Om-Se	49N	76	211.9	35.1	21.5	15.1	4,99	B/100	16N	224.8	19.4	10	17.4	6869
2	N. Mugojary seds	Ol (Ashgi)	50.8	58.3	87	-16	10	9	1,32	F/0	4.4N	335.8	8.2?	4.8	9.3	5280
4	Karaulcheku all.	Ol (Car)	50.8N	74.8	160	28.5	165	3	5,75	B/100	21N	275	15.2N	1.8	3.3	6870
3	Agyrek Seds	Ol	51N	74	110	10		19	2,32	B/100	8N	326	5.0?	9.7	19.2	7356
2	Mayljen Seds	Ol	50N	76.6	174	3		10	,8	B/100	38	124	1.5	5	10	7357

2	Agadyrskaya Zone lavas & jaspers	Ol-Se	49N	76	193	35	783	4	2,99	B/100	21N	243	19.3	2.7	4.6	6779
3	Arkalyk sed, int (postfold. ovp)	O-S	49.5N	76.5	233	-60		9	,90	F/0	53	340	40.9N	10.3	13.6	7348
3	Kosisteksjaya Seds (prefold?)	Ol-De	50.6N	58.3	184	64	7	21		B/100	6N	55	45.7	26.6	33.5	7384
2	N. Mugojary tuffs and seds.	Se	50.8N	58.3	75	-34	11	13	10,226	B/100	5.3N	351.5	18.6N	8.5	14.9	5276
3	Janbazar Seds	Se	49.5N	76.5	324	-11		13	2,12	B/100	26	117	5.6N?	6.7	13.2	7355
2	S. Mugojary tuffs & seds	(Sm)	50.8N	58.3	80	-27	5	10	4,37	B/100	4.9N	345	14.3	5.9	10.9	5271
2	S. Mugojary tuffs & seds	Sl (Lud)	50.8N	58.3	80	-28	5	12	13,13	B/100	5.3N	345.4	14.9	7.2	13.1	5269
	Garshinskaya Suite Dykes	S-D (<Oe)	52.7N	66.9	116	14	303	4		F/0	10N	311	7.1N	2.1	4.1	7376
3	Arkalyk volcs	De-m	49.5N	76.5	311	-53	9.6	13.8	2,29	B/100	5N	115	33.6?	9.6	13.8	7352
2	C. Kazak Intrus	D	48.2N	74.5	215	-23	10	8	1,32	B/100 ??	43	24	12.0N	4.5	8.5	5216
2	Tyuritayskaya Su	D	49N	76	206	-40	116	4	1,15	B/100	58	28	22.8N	2.9	4.8	6771
3	S. Mugojary Intrus & Seds	Dm (Eif)	48N	59	95	29	42	11	6,16	B/100	8	315	15.5N ?	6.7	12.1	5206
2	S. Mugojary Volcs & seds	Dl-Ce	49.5N	60	61	-18	13	9	28,28	B/100	10.9	358.5	9.2?	4.8	9.3	5076
2	S. Kazakst seds	Ce (Tol-Vi)	43N	71	194	-45	16	7	2,24	B/100	70	31.7	26.6N	5.6	8.9	5067
2	Jezzkazghan & Taskuduk Grps-1	Cl (Cm)	48N	67.5	206	-50	30	3	15,70	B/100	64	8	30.6N	2.7	4	5037
1	Jezzkazghan & Taskuduk Grps-2	Cl (Cm)	48N	67.5	197	-51	30	4	15,40	B/100	69	22	31.7N	3.7	5.4	5038
2	Jezzkazghan & Taskuduk Gr comb	Cl (Cm)	48N	67.5	203	-50	29	2	30,110	B/100	65	14	30.8N	1.8	2.7	5039
1	C. Kazak Redbeds	Cl (Cm)	50.5N	68	201	-53	30	4	15,41	B/100	67	16	33.6N	3.8	5.5	5040
2	C. Kazak Redbeds	Cl (Cm)	50N	70	196	-54	30	4	15,44	B/100	70	26	34.5N	3.9	5.6	5041
2	Kalmakemel & Arkalin Grps	Cl (Cm)	47.8	76.5	282	-69	11	6	4,48	B/100	28	300	52.5N	8.7	10.2	5042
2	C. Kazak Volcs	Cl (Cm)	48N	74	184	-46	6	22	1,7	B/100	69.1	64	27.4N	18	28.1	5066

2	Kyzylkanat Grp	Cl (Cm-l)	43.5N	70	204	-46	55	7	10,378	B/100	63	14	27.4N	5.7	8.9	4912
2	Vladimirovsk Grp	Cl	50N	67.5	210	-57	30	3	40,70	B/100	65	360	37.6N	3.2	4.4	5029
1	C. Kazak Redbeds	Cl	52N	68	226	-56	23	5	1,32	B/100	55	342	36.6N	5.2	7.2	5036
1	C. Kazak Redbeds	Cl	50.5N	68	238	-48	28	7	1,14	B/100	42	340	29.0N	6	9.1	5035
2	C. Kazak Redbeds	Cl	50N	68.6	204	-53	12	6	15,50	B/100	66	13	33.6N	5.8	8.3	5031
2	C. Kazak Redbeds	Cl	50.5N	68	202	-52	30	4	30,40	B/100	66	18	32.6N	3.7	5.5	5030
2	C. Kazak Intr-1	Ce-Pe	48.4N	73.8	198	-43	20	10	2,10	F/O	62	37	25.0N	7.7	12.4	5017
2	C. Kazak Intr-2	Ce-Pe	48.4N	73.8	217	-33	9	14	2,11	F/O	47	17	17.8N	9	15.9	5018
2	C. Kazak Intr-3	Ce-Pe	48.4n	73.8	213	-42	28	6	2,19	F/O	55	15	24.2N	4.5	7.4	5019
2	C. Kazak Intr 1-3 combined?	Ce-Pe	$8.4N	73.8	211	-40	16	6	6,40	F/O	55	19	22.8N	4.3	7.2	5020
2	E. Kazakst Volcs	P	47.5N	80	262	-50	11	7	15,38	B/100	28	333	30.8N	6.3	9.4	4850
2	Kiiminsk Group	Pe	52N	67.5	233	-56	55	6	27,55	B/100	51	340	36.6N	6.2	8.6	4690
2	Shoptykulsk Gr	Pl	52N	67.5	225	-56	30	5	15,23	B/100	55	346	36.6N	5.2	7.2	4843
*	Red beds	Pl	49.5N	70.5	217	-44	8	6.7	,7	B/100	52.9N	186.5	25.8N	5.3	8.4	BAZ[4]
2	Mangishlack sed	Pl-Tre	45.3N	52	39	52	17	11	1,10	B/100	57	331	32.6N	10	15	4604
2	E. Kazakst Volcs combined	Tre	47.5N	80	254	-66	10	5	10,16	B/100	42	320	48.3N	6.7	8.2	4633
1	East Kazakst sed	Tm	47N	85	358	48	51.3	2	92,118	B/100	69	90	29.0N	1	2	4081

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1 No indication for bedding or bedding correction in D/B, assume this to be overprint?
2 Late Cambrian to Tremadoc
3 D/B seems to have duplication of results under slightly different stratigraphic descriptors
4 Bazhenov et al. (1995)

TABLE 4.3 JUNGGAR

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Tianshan Traverse rocks[2]	Dl-Cl (ovp?)	43N	84	166	-72	8	11.7	22,141	F/O	73.4	236.4	57.0	18.2	20.6			7244
4	Hoboksar Volcs & Baked seds.[5]	Cl-Pe	47.2N	86.6	151	-58	24	5.9	26,154	B/100	69	170	38.7N	7.5	7.5	(15)	(7.5)	6411
4	Harlegiawu & Karlagang Fms[4]	Cl-Pe	46.7N	86.1	168	-48	52	5.3	15,82	B/100	70	20	29.0N	6.4	6.4	(36)	(6.4)	6410
4	Liushugou Fm[2]	Ce-l (C-P)	43.8N	87.8	194	-43	38	15	4,22	F/O	69	51	25.0N	13.7	13.7	(46)	(13.7)	6408
4	Liushugou Dykes[3]	Cl-Pe	43.2N	87.8	226	-56	28.7	11.5	7,41	B/100	55	352	36.6N	15.1	15.1	(17)	(15.1)	6409
4	Aoertu & Qijigou Fms	Cl (Cml-Cl)	43.8N	87.6	155	-62	52	9.7	15,79	B/100	72	187	43.2N	7.4	7.4	(28)	(7.4)	6407
4	Junggar Dykes	Cl-Pe	45.6N	83.5	186	-54	21	6.7	23,144	F/O	78	59	34.5N	6.6	9.4			6217
4	Lucaogou Fm[1]	Pl	43.8	87.6	163	-61.9	17	4	29,78	B/100	77.7	180.3	43.1N	4.8	6.2			6244
4	Upper Jijicao Gr	Pl	44N	88.1	198	-59	24	12.6	7,53	B/100	76	13	39.8N	13.6	18.5			7243
*	Red sandstones	Jl-Ee	42.9N	90.0	17.9	40.3	37	7.0	13,	B/100	65.1	47.7	23.0N	5.1	8.4			COG[6]
4	Qigou & Hutubi Fms	Ke (110-130 Ma)	44.2N	86	12.7	48.6	57.6	5.5	13,94	B/100	72.3	47.3	29.6N	4.8	7.2			6202
4	Douggou & Ziniquan Fms	Kl (70-90 Ma)	44.2N	86	12.5	51.3	56.9	6.9	9,45	B/100	74.3	43.1	32.0N	6.4	6.4		(6.4)	6203

1 Very positive foldtest, Neogene folding
2 KD decreases slightly upon bedding correction, Permo-Carboniferous remagnetization?
3 Intrude Liushugou Fm (Cm)
4 Late Palaeozoic folding, lithological correlation suggests Cm, K/Ar ages on local granites ~270 Ma
5 Baked sediments Dl-Ce. Pluton gives positive baked contact test
6 Cogné et al. (1995)

TABLE 4.4 TARIM BASIN

CAMBRIAN-RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Devonian Redbeds	D	40.5N	78.6	79.9	24.6	17.4	5.1	47,250	B/100	16.5	345	12.9	4.3	4.3	(25)	(4.3)	6022
3	Keziertage & Yimugantawu Fms	Dl	40.3N	79.5	110	12	23	7.7	17,157	B/100	10.5N	351.2	6.1	4.2	7.8			1809
2	Dachonggou Redbeds	Dl	41.7N	80.5	89.4	26.9	20.6	7.8	4,18	B/100	9.9	340.2	14.2	4.6	8.5			6638
3	Saribel & Kyachin suites[2]	Dl-Ce	41.7N	78.7	323	-17	17.7	13	,7	B/100	29.3	121.7	8.7	7.9	15.2			7347
2	Saribel suite[2]	Ce	41.7N	78.7	142	18	9	12.7	,14	B/100	28.3	122.3	9.2	6.8	13.2			7346
3	Kangkelin Fm	Cl	40.3N	79.5	222	-44	79	8.6	4,44	B/100	52.2	359.5	25.8N	6.8	10.7			1808
2	Kongklin Fm	Cl	41.7N	80.5	231.9	-48	188.1	4.4	9,42	B/100	46.5	350.2	29.0N	3.8	5.7			6637
2	Kipchak seria[1,2]	Cl	41.5N	78.6	134	10	13.8	12.7	3,11	B/100	27.4	132.4	5.0?	6.5	12.8			7345
3	Kaipaizileike & Kupukuziman Fms	Pe	40.3N	79.5	214	-41	42	4.6	26,317	B/100	56.5	10.1	23.5N	3.4	5.5			1807
4	Balikelike Fm	Pe	40.5N	78.8	212.2	-57.7	214	3.1	11,67	B/100	65.1	342.5	38.3N	4.1	4.1	(128)	(4.1)	6210
4	Biyoulitie Super Fm	Pe	40.7N	79.6	222.7	-49.3	80	3.6	21,145	B/100	54.5	352.3	30.2N	4	4	(66)	(4)	6211
2	Lower Permian sediments	Pe	41.7N	80.5	221.6	-47.3	201.2	3.2	11,77	B/100	53.9	358.5	28.5N	2.7	4.1			6636
2	Arpa & Masail suites, loc.1[2]	Pe	40.7N	75	171.9	-46.5	7.4	25.8	,4	B/100	75.5	104.7	27.8N	21.3	33.2			7343
2	Arpa & Masail suites, loc.2	Pe	40.7N	75	166.5	-46.3	7.5	19.5	2,7	B/100	72.8	119.5	27.6N	16	25			7344
4	Tarim dykes	Pl	40N	79	28.2	50.5			21,157	B/100	65.6	1.2	31.2N	3.9	3.9	(61)	(3.9)	530
4	Tarim Redbeds	Pl-Tre	42.1N	83.3	201.8	-54.9	45.4	5.5	16,103	B/100	71.8	7.6	35.4N	5.5	7.8			603
2	Taliqike Fm	Trl	41.7N	80.5	227.5	-53.2	87.7	5.8	8,55	B/100	52.1	346.8	33.8N	5.6	8.1			6635
2	Ketzilenur & Qiketai Fms	Jm	41.7N	80.5	228.8	-49.3	62.6	8.3	7,54	B/100	49.4	351.1	30.2N	7.3	11			6634

2	Kalaza Fm	Jl	41.7N	80.5	27.1	57.9	17.2	5.3	6,44	B/100	68.6	351.8	38.5N	5.7	7.8		6633
2	Shusanhe Fm	Ke	41.7N	80.5	8.1	56.4	23.4	3.3	11,82	B/100	81.9	28.3	37.0N	3.4	4.8		6632
4	Yingjisha Sediments	Ke	38.5N	76.4	14.8	41	192.7	8.9	3,21	B/100	70.4	32.1	23.5N	6.6	10.8		6953
4	Wuqia Sediments	Ke	39.5N	75	191.6	-33	19.9	14	7,39	B/100	66.3	46.6	18.0N	9	15.9		6955
4	Yageliemu & Kalaza Fms	Kl-Ke	41.8N	82	22	42	62	9	6,31	B/100	65	29	24.2N	9	9	(6.9)	1267
4	Bashenjiqike Fm	Kl	41.6N	83.5	16.3	39.2	114	8.6	4,19	B/100	66.3	42.9	22.2N	8.7	8.7	(8.7)	1268
4	Yingjisha Sediments	Kl	38.5N	76.4	7.6	37.1	46.6	9.9	6,44	B/100	71	54	20.7N	6.8	11.6		6952
4	Wuqia Sediments	Kl	39.5N	75	11	40	39.5	7.4	11,62	B/100	70.8	42.6	22.8N	5.4	8.9		6954

1 Moscovian
2 Results from the Kokshaal and Athashinsky Ranges, Tien Shan, Kyrgyzstan (Biske et al.,1993)

TABLE 4.5 TARIM - JUNGGAR MEAN POLES

CAMBRIAN - RECENT

	SITE					DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
*	N. Rim,sed+vol1	CB	41.5N	88.1							46.7	44.7	6.3				8.4	XIZH
*	N. Rim,seds	Oe-m	40.5N	79.0							45.7	4.0	19.6				15.7	XIZH
*	N. Rim, seds	S	40.6N	79.5							0.5	9.0	14.4N				14.4	XIZH
*	N+S Rim, seds	De-m	38.0N	76.3							10.1N	152.3	18.3N				7.2	XIZH
*	N. Rim, seds	D	40.5N	78.8							16.0N	165.0	13.2N				4.3	XIZH
*	N. Rim, seds	Dl	40.5N	78.8							10.5	151.2	6.2N				7.7	XIZH
*	Mean Cl	Cl									51.8N	170.1					18.6	XIZH
*	Mean Pe	Pe									57.6N	175.1					9.5	XIZH
*	Mean Pm	Pm									69.3N	187.4					6.8	XIZH
*	TAR mean Pl	Pl									69.5N	185.2					15.0	RAEN
*	JUN mean Pl	Pl									78.8N	205.9					20.0	RAEN
*	Tre	Tre									69.0N	183.0					11.0	XIZH
*	TAR Tre mean	Tre									64.6N	169.3					15.0	RAEN
*	Jm	Jm									68.4N	224.5					3.1	XIZH
*	Jl	Jl									65.0N	209.0					9.0	XIZH
*	Ke	Ke									66.4N	218.1					5.3	XIZH
*	TAR Ke	Ke									64.6N	208.4					9.6	RAEN
*	JUN Ke	Ke									72.3N	227.3					5.9	RAEN
*	Kl	Kl									65.8N	218.8					10.2	XIZH
*	TAR Kl	Kl									66.3N	222.9					8.7	RAEN
*	JUN Kl	Kl									74.3N	223.1					7.8	RAEN
*	Ter	Ter									63.7N	320.3					6.3	XIZH

XIZH Zhao et al. (1996)

RAEN Enkin et al. (1992)

TABLE 4.6 FERGHANA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
1	Ferghana Range Intrusions	De	42N	73	297	36	999	3	3,20	F/O	33	161	20.0N ?	2	3.5			6769
1	Ferghana Range Intrusions	D	42N	73	226	44	398	4	3,33	F/O	10	211	25.8N ?	3.1	5			6770
2	Ferghana ophiolites	D	42N	73	124	-52		4	,40	F/O	45	170	32.6N	3.7	5.5			7350
4	Ferghana sed. prefolding	Cl-Pe (Ka-Ass)	40.3N	72.2	87.5	-27.6	14.9	8.3	22,44	B/100	7.5	175	14.7N	4.9	9.1			7310
4	Frghana sed. prefolding	Cl-Pe (Ka-Ass)	40.3N	72.2	78.7	-26.3	16.8	7.3	25,50	B/100	0.6	179.9	13.9N	4.3	7.9			7309
4	Ferghana sed. prefolding	Cl-Pe (Ka-Ass)	40.3N	72.2	83	-27.1	13.4	11.8	13,26	B/100	4	177.6	14.4N	7	12.8			7308
4	Ferghana sed. prefolding 3	Cl-Pe (Ka-Ass)	40.3N	72.2	262.3	27.8	15.7	4.6	64,128	B/100	3.8	178.4	14.8N	2.7	5			7306
4	Ferghana sed. postfolding 1	>Cl-Pe (Ka-Ass)	40.3N	72.2	351.9	28.2	10.6	9.7	23,46	F/O	63.7	90.1	15.0N	5.8	10.6			7305
4	Ferghana sed. postfolding 2	>Cl-Pe (Ka-Ass)	40.3N	72.2	84.1	-37.5	14	6.1	39,78	F/O	9.1	182.1	21.0N	4.2	7.2			7307
4	Madighen Fm	Trm-l (La-Car)	40N	70.2	355	70	68	4	5,18	B/100	75.7	238.3	54.0N	5.9	6.9			7119
4	Ferghana Redbeds B-comp	Ke	40.4N	73.2	353.1	44.1	76.9	6.9	7,74	B/100	74.7	96.2	25.9N	5.4	8.6			7239
4	Ferghana Redbeds A-comp	Ke	40.4N	73.2	357.8	56	88	4.3	14,266	B/100	86.1	99.3	36.6N	4.4	6.2			7238
3	Muyanskaya suite combined	Ke (Haut)	41.5N	72.2	0	53	952	4	10,117	B/100	82	72	35.6N	3.8	5.5			6712
3	Muyanskaya suite sediments, loc 2	Ke (Haut)	41.5N	72.2	2	55	33	6	2,20	B/100	84	57	35.5N	6	8.5			6711
3	Muyanskaya suite sediments, loc 1	Ke (Haut)	41.5N	72.2	357	52	64	4	2,23	B/100	80	88	32.6N	3.7	5.5			6710

3	Muyanskaya suite basalts	Ke (Haut)	41.5N	72.2	1	51	89	2	6,74	B/100	80	67	31.7N	1.8	2.7	6709
3	Muyanskaya suite basalts	Ke	41.5N	72.2	4	50	184	2.2	5,22	B/100	78.8	54.2	30.8N	2	2.9	7304
4	Massaget Fm	Tel-Tme	41.3N	71.3	342	34	33	9	9,46	B/100	62.6	110.8	18.6N	5.9	10.3	7276
0	N. ferghana sed.	Tm	40.8N	70.9	355	60	55	6	2,13	B/100	86	164	40.9N	6.9	9.1	6694
2	N. Ferghana sed.	Tm	41.5N	72.2	177	-47	79	6	3,64	B/100	77	84	28.2N	5	7.8	6693
1	N. Ferghana sed. comb. 6689-6691	Tm	41.2N	72	357	56			4,413	B/100	85	100	36.6N			6692
0	N. Ferghana sed.	Tm	41.2N	72	358	58	588	2	2,25	B/100	87	103	38.7N	2.2	2.9	6691
2	N. Ferghana sed.	Tm	41.2N	71.9	355	55	42	1	1,244	B/100	83	108	35.5N	1	1.4	6690
2	Ispisarskaya suite	Tm	41.1N	72.2	359	55	73	1	1,154	B/100	84	81	35.5N	1	1.4	6689
2	N. Ferghana sed.	Tm	41N	72.8	349	47	410	9	2,39	B/100	74	112	28.2N	7.5	11.6	6688
0	N. Ferghana sed.	Tm	40.6N	70.6	346	45	52	6	4,39	B/100	71	114	26.6N	4.8	7.6	6687
1	N. Ferghana sed.	Tm	40.2N	69.6	4	51	83	5	3,25	B/100	81	48	31.7N	4.6	6.8	6686
0	Kepeliyskaya suite	Tpl	41.1N	71.4	180	-54	40	2	1,202	B/100	83	71	34.5N	2	2.8	6685
2	Kepeliy suite	Tpl	41.1N	71.4	0	54	40	1.5	3,202	B/100	83.4	71.4	34.5N	1.5	2.1	7259
2	Ispisarskaya suite	Tp-Qp	41N	71.4	2	54	75	1.8	4,311	B/100	83.3	57	34.5N	1.8	2.5	7258
3	N. Ferghana sed.	Qp	41.1N	71.7	182	-54	75	2	311, 690	B/100	83	58	34.5N	2	2.8	6684

TABLE 4.7 SHAN-THAI-MALAY

CAMBRIAN-RECENT

		SITE				DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
* SIB	Lower Setul Lst, W Malaya	O									46	256				33	12	RVO[2]
* SIB	Upper Setul Lst, Langkawi W Malaya	Sl									17	259				21	20	RVO[2]
* SIB	W Yunnan Lst	D									67	314				21	6	RVO[2]
2 SIB	Bentong Group & Singa Fm	Ce	5N	101	213	-16	25.4	11.1	,8	B/100	57	2	8.2N	9.2	9.2	(37)	(9.2)	2733
4 SIB	Woniusi Fm, Baoshan[1]	Cl	24.5N	99.2	209.2	61	39.8	6.7	13,65	B/100	17.2	77.5	42.1	9.3	9.3		(9.3)	6506
4 SIB	Woniusi Fm, Yongde[1]	Cl	23.9N	99.2	294.5	63.9	74.2	7.8	6,30	B/100	33.9N	49.6	45.6?	11.6	11.6		(11.6)	6507
2 SIB	Sempah Conglom. & Rhyolites	Cl-Pe	3.4N	101.8	212	-32	14.1	10.9	,14	B/100	55	344	17.4N	11.2	11.2	(13.4)	(11.2)	2732
2 EM	Sngapore gabbro & dykes	C-Tre	1.3N	103.8	194	21	16.5	19.3	1,5	F/O	72	55	10.9	10.8	20.3			2730
* SIB	Basalts, Padang	Pl									47N	358					5	RVO[2]
* SIB	Pengerang rhyolite Malaya	P-Tr									57	332				25	10	RVO[2]
* SIB	Iwanshui W Yunnan	Tre									35N	342					7	RVO[2]
* SIB	Kalaw redbeds	J-K	20.8N	96.6	44.7	23.4	47.1	6.1	13,	B/100	46.4N	190.6	12.2N	3.5	6.5			RIF[3]
* SIB	Kalaw redbeds	J-K	20.8N	96.5	39.9	22.7	23.5	10.9	8,47	B/100	50.8N	193.3	11.8N	6.1	11.6			RIC[4]
3 EM	Segamat Basalts & Masai Dykes	K	2.5N	103	136	-31	16.3	9.4	,16	B/100	44	215	16.7?	8.7	8.7	(18.6)	(8.7)	2734
* SIB	Phetcaburi Basin	Tel-me	13.2N	99.6	22.4	10.8	26.4	24.5	3,16	B/100	66.6N	206.8	5.5N	12.6	24.8			RIC[4]

1 Yunnan region of Shan-Thai-Malay block
2 Van der Voo (1993)
3 Richter and Fuller (1996)
4 Richer et al. (1993)

TABLE 4.8 QIANGTANG

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Tuoba Fm, Seds[6]	Pl	29.7N	98.7	25.2	6.7	32.7	8.6	10,50	B/100	54.4	51.7	3.4N	6.1	6.1	(63.6)	(6.1)	6385
4	Batang Grp Volcs[1]	Trl (No)	34.3N	93.5	215	-48	23	16.2	5,34	B/100	59	4	29.0N	13.8	21.2			2435
4	Longmuco & Domar Lst[7]	Jm, ovp	34N	80.4	10.9	48.5	30.3	7.3	14,65	F/O	79.7	13.5	29.5N	6.3	9.6			7463
4	Yanshiping Gr,S[2]	Jm-l (Ba-Kim)	33.6N	92.1	339	58	21.3	7.2	20,104	B/100	72	205	38.7N	7.8	10.6			2436
4	Intrusiv & Seds[5]	Jl-Te	33.5N	80	356.7	17.3	8.9	32.6	4,20	B/100	65.2	87.8	8.9N	17.5	33.7			6208
4	Cuowa Fm, Seds	Ke (Ber-Bar)	29.7N	98.5	57.7	50.2	16.7	10.9	12,56	B/100	40.6	350.5	31.0N	13	13		(13)	6247
4	Laoran Fm, Seds[4]	Ke (Bar-Alb)	29.7N	98.6	48.2	49	76.9	8.8	5,15	B/100	48.5	355.9	29.9N	9.5	9.5		(9.5)	6120
4	Mankang Fm	Ke-l (Apt-Tu)	29.7N	98.7	39.7	51.6	29.8	8.5	11,54	B/100	56.7	352.7	32.3N	10.6	10.6		(10.6)	6248
4	Cretaceous Seds[8]	Ke-l	33.8N	80.4	6.2	22.1	53.2	5.5	14,104	B/100	66.2	65	11.5N	5.1	5.1	(61.9)	(5.1)	7464
4	Fenghuoshan Gr,S[3]	Tpa-e (Pa-EEo)	34.6N	92.5	9	14	29	7.2	15,84	B/100	61	73	7.1N	3.8	7.4			2437

1 No change in statistics upon bedding correction
2 Possibly synfolding magnetization at 80% of tilt correction
3 Slight increase in dispersion upon bedding correction
4 Substantial increase in dispersion upon bedding correction
5 Sites 14km North of suture, small improvement in statistics upon bedding correction
6 Late Triassic and Eocene-Oligocene folding, pre-Late Triassic component
7 Recent overprint
8 Curious combination of Longmuco Sst/Aksaichin Sst (Qiangtang) and Shiquanhe Lst (Lhasa)

TABLE 4.9 LHASA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Basu Granites	K (70-130)	30N	96.7	343.7	12	434	12	2,8	F/O	61.6	132.6	6.1N	6.2	12.2			6122
2	Takena Group HT	Ke (Alb-Apt)	31N	91	347.7	24	37.3	6.6	14,120	B/100	68.3	125.3	12.6N	3.8	7.1			1199
2	Takena Group LT[1]	Ke (Alb-Apt)	31N	91	4 357.1	28.5 21.8	3.8 8.5	33 20.1	8	F/O B/100	74.7	76.2	15.2N 11.3N	19.9	36.2			1200
4	Basu Fm, redbeds/seds[4]	Ke (Alb-Apt)	30.1N	96.9	3.3	29	11.7	28	4,12	B/100	75.1	84.5	15.5N	17	30.9			6121
3	Takena Fm redbeds	Ke-Kl	29.9N	91	333	38	77.8	8	6,57	B/100	64	168	21.3N	5.6	9.5			100
2	Takena Fm HT	Ke-Kl (Km-l)	30.2N	91.5	338	36	35	10	7,68	B/100	68	160	20.0N	6.8	11.6			1290
4	Takena Fm	Kl	29.9N	91.2	357	15	70	6.7	8,59	B/100	68	99	7.6N	3.5	6.9			2432
4	Nagqu Volcs[3]	Kl (96Ma)	31.5N	92	358	35	54	6	9,33	B/100	78	102	19.3N	4	6.9			2433
4	Qelico Volcs	Kl (90Ma)	31.7N	91	347	36	32	16.5	4,20	B/100	74	138	20.0N	11.1	19.1			2434
4	Bomi Granites[5]	Kl (65-95UP 20-38 KA ov	29.8	95.7	8.8	47.1	19.6	10.1	12,53	F/O	82.2	14.7	28.3N	8.5	13.1			6123
3	Lingzizong Fm Volcs	Kl-Tpa K/A 48, 60Ma	29.9N	91	0	18	69	30.6	2,23	B/100	69	90	9.2N	16.5	31.8			101
4	Lingzizong Fm, seds/volcs[5]	Te (48.5Ma)	29.8N	90.8	196.4	-23.7	34.2	10.5	1,4	B/100	49.8	67.9	12.4	6	11.2			6369
4	Quxu Pluton, Group 1	Te (42.5ma)	29.5N	90.9	296.7	39.3			2,10	F/O	33.3	189.5	22.3N					6367
4	Quxu Pluton, Group 2	Te (42.5ma)	29.5N	90.9	145.3	-20.5			2,10	F/O	52.5	157.9	10.6N					6368

1 Overprint Cenozoic volcanics (Lingzizong Fm?)
3 Reduction in KD after bedding correction. Uncorrected result D=322, I=54, KD=74.3, ED=6
4 Reduction in ED after bedding correction. Uncorrected result D=312.2, I=65.4, KD=29.7, ED=17.1
5 Recent overprint

TABLE 4.10 AMUR

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
1	Solonetchniy Complex[7]	Ke	49N	131.4	0	81	16	8	2,26	B/100	67	311	72.4N	14.9	15.4			4269
1	Obmaniya Compl	Kl	49.4N	132.2	315	66	33	6	2,21	B/100	61	238	48.3N	8	9.8			4268
1	Dykes & Baked contacts[6]	Kl	44N	135	64	70	71	8	6,404	F/O	49	7	54.0N	12	14			4244
2	Samarinsk Grp[10]	Kl	46.5N	138.5	352	62	46	10	4,90	B/100	83	200	43.2N	12	15.5			4305
2	Levosobolevsk Grp[9]	Kl	46.5N	138.5	27	56	43	10	5,115	B/100	68	65	36.6N	10.3	14.4			4304
1	Bogopolsk Grp[8]	Kl	44N	135.3	197	-58	39	10	5,116	B/100	76	62	38.7N	10.9	14.7			4303
1	Pyrrhotite Sulphide Ores[4]	Kl-Te	44N	135	189	-80	5	4	8,504	B/100	63	321	70.6N	7.3	7.7			4154
1	Tuffs & Rhyolite - Ignimbrites[4]	Kl-Te	43.8N	135	183	-49	19	3	2,53	B/100	76	125	29.9N	2.6	4			4153
1	Igneous &Country Rock comb[4,5]	Kl-Te	43.9N	135	186	-73	5	3	10,557	B/100	75	326	58.6N	4.8	5.4			4155
1	Volcanics & Tuffs[3]	Tpa	44N	135	322	50	57	10	5,196	B/100	58	215	30.8N	9	13			4140
1	Cassiterite & Sulphide Ores[2]	Tpa-m	44N	135	9	70	4	3	8,696	F/O	79	342	54.0N	4	5			4026
1	Shufan & Shkotovsk Gps	Tm-p	43.5N	132	0	61	48	3	62, 1013	F/O	88	132	42.1N	3.5	4.6			3982
1	Verkhnesougavan Sub-Group[1]	Tp	49N	140.5	177	-59	46	9	69,82	F/O	81	155	39.8N	10	13.4			4005

1 Middle to Late Pliocene
2 Palaeogene to Miocene
3 K/Ar age 53-68 Ma
4 Late Cretaceous to Palaeogene
5 Combined RESULTNOS 4153-4154
6 K/Ar ages 60, 73-87 Ma
7 Valanginian
8 Early Danian
9 Maastrichtian to Early Danian
10 Maastrichtian

TABLE 4.11 TURAN

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
0	Amanbulak Grp[21]	Pl	41N	55	45	34	7	11	55,55	B/100	46	340	18.6N	7.2	12.6			4659
0	Dolnapa, Otpan & Birkut Grps Combined, Loc1[22]	Pl-Tre	44N	53	39	40	6	8	60,60	B/100	52	343	22.8N	5.8	9.6			4740
0	Dolnapa, Otpan & Birkut Grps Combined, Loc2	Pl-Tre	44N	53	29	36	7	15	16,16	B/100	56	358	20.0N	10.1	17.4			4741
0	Dolnapa, Otpan & Birkut Grps Combined, Loc3	Pl-Tre	44N	53	50	42	4	3	70,70	B/100	44	333	24.2N	2.3	3.7			4742
0	Dolnapa, Otpan & Birkut Grps Combined, Comb[23]	Pl-Tre	44N	53	42	40	5	6	146, 146	B/100	50	340	22.8N	4.3	7.2			4743
0	Dolnapinsk Grp	Pl-Tre	44N	53	39	40	6	8	1,60	B/100	52	343	22.8N	5.8	9.6			4529
1	Turkmenia Seds	Tre	41N	55	60	58	12	11	17,17	B/100	45	308	38.7N	11.9	16.2			4500
2	Chaloi Beds	Jm	40N	54	2	44	9	3	215, 215	B/100	76	45	25.8N	2.4	3.8			4358
2	Turkmenia Seds[20]	Jm-l	41N	56	19	66	16	2	33,68	B/100	74	289	48.3N	2.7	3.3			4355
0	Turkmenia Seds[18]	Ke	39N	55	30	40	14	8	11,22	B/100	60	347	22.8N	5.8	9.6			4186
2	Turkmenia Seds, Combined[19]	Kl	40N	54	12	56	46	2	149, 152	B/100	80	342	36.6N	2	3			4298
2	Turkmenia Seds[19]	Kl	40N	54	192	-55	54	2	,142	B/100	80	346	35.5N	2	3			4294
2	Turkmenia Seds	Kl	40N	54	5	65	17	13	1,10	B/100	82	265	47.0N	16.9	21			4184
2	Chaaldzhinsk & Danatinsk Grps[17]	Tpa	38N	56	177	-44	6	16	7,18	B/100	77	66	25.8N	12.5	20			4135
2	Khodzhabulan Grp, Bukhara Beds[16]	Tpa	36.5N	60.5	10	41	7	9	17,42	B/100	75	24	23.5N	6.6	10.9			4134
2	Sherlokhsk & Babadurhaz Grps[15]	Te-o	38N	59	6	27	6	5	81,158	B/100	66	46	14.3N	3	5.4			4129

0	W Turkmenia Sed[14]	Te-o	39N	55	34	44	9	9	26,55	B/100	60	338	25.8N	7.1	11.3	4128
1	Turkmenia Seds	Tm	36N	62	10	57	7	9	1,50	F/0	82	320	27.6N	9.5	13.1	3979
2	Sarmatian Seds[8]	Tm	39N	58	13	36	10	9	1,37	F/0	69	24	20.0N	6.1	10.5	3978
2	Kyuraninsk Grp[7]	Tm	40.5N	53.5	6	51	22	4	1,45	F/0	80	23	31.7N	3.7	5.4	3977
2	Keshininnair, Kazganshai & Karagaudan Grps, Loc-1	Tm-p	38N	58.5	1	48	7	7	1,74	F/0	81	50	29.0N	6	9.1	3972
2	Keshininnair, Kazganshai & Karagaudan Grps, Loc-2	Tm-p	38N	59	0	39	11	4	1,167	F/0	74	59	22.0N	2.8	4.8	3973
2	Keshininnair, Kazganshai & Karagaudan Grps, Loc-3	Tm-p	38N	58.5	359	33	10	10	1,28	F/0	70	62	18.0N	6.4	11.3	3974
2	Keshininnair, Kazganshai & Karagaudan Grps, Combined[5]	Tm-p	38N	58.5	0	41	9	10	3,269	F/0	76	58	23.5N	7.4	12.2	3975
2	Karagaudan Grp[6]	Tp	37N	60	21	50	10	11	1,21	F/0	71	344	30.8N	9.8	14.7	3976
2	W Kopet-Dagh Seds Loc-1[9]	Tp	39.1N	54.7	191	-56	9	4	149, 149	F/0	81	337	36.6N	4	6	4006
2	W Kopet-Dagh Seds Loc-2[9]	Tp	39.2N	55.4	166	-49	9	7	45,45	F/0	75	110	29.9N	6	10	4007
2	W Kopet Dagh Seds Loc-3[9]	Tp	39N	55.2	189	-39	14	4	84,84	F/0	71	26	22.0N	3	5	4008
2	W Kopet Dagh Seds Loc-4[9]	Tp	39N	55.2	181	-30	10	7	42,42	F/0	67	52	16.1N	4	8	4009
2	W Kopet dagh Seds Loc-5[9]	Tp	38.9N	55.4	189	-45	8	6	66,66	F/0	75	22	26.6N	5	8	4010
2	W Kopet Dagh Seds Loc-6[9]	Tp	38.9N	56	194	-49	9	6	65,65	F/0	76	0	29.9N	5	8	4011
2	W Kopet Dagh Seds Loc-7[9]	Tp	39N	55	2	42	11	8	35,35	F/0	75	47	24.2N	6	9	4012
2	W Kopet Dagh Seds Loc-8[9]	Tp	39.2N	55	203	-49	7	6	77,77	F/0	69	345	29.9N	5	8	4013
2	W Kopet Dagh Seds Combined[9,10]	Tp	39N	55.2	187	-45	54	8	563, 563	F/0	76	30	26.6N	6	10	4014

2	W Kopet-Dag Seds Loc-1[11]	Tp	39N	56	189	-53	5	10	1,48	B/100	81	356	33.6N	10	14	4015
2	W Kopet-Dag Seds Loc-2[11]	Tp	39N	55.9	18	44	8	9	1,31	B/100	70	2	25.8N	7	12	4016
2	W Kopet-Dag Seds Loc-3[11]	Tp	39N	56.4	14	46	8	11	1,25	B/100	74	7	27.4N	9	14	4017
2	W Kopet-Dag Seds Loc-4[11]	Tp	38.9N	56.3	9	47	9	4	1,118	B/100	77	19	28.2N	4	6	4018
2	W Kopet-Dag Seds Loc-5[11]	Tp	38.8N	56.7	7	46	9	7	1,46	B/100	77	29	27.4N	6	9	4019
2	W Kopet-Dag Seds Loc-6[11]	Tp	38.7N	56.9	193	-56	9	15	1,13	B/100	80	335	36.6N	15	21	4020
2	W Kopet-Dag Seds Loc-7[11]	Tp	38.6N	57	175	-59	14	7	1,27	B/100	86	163	39.8N	8	11	4021
2	W Kopet-Dag Seds Combined[11,12]	Tp	38.9N	56.5	10	50	120	6	7,308	B/100	79	11	30.8N	5	8	4022
2	Turkmenia Seds[13]	Tp	38.9N	56.5	6	50	81	6	327, 327	F/0	80	25	30.8N	5	8	4085
0	Aktchagyl Stage	Tp	39N	57	347	44	6	13	1,19	F/0	73	97	25.8N	10.2	16.3	3971
2	Aktchagyl Stage	Tp	38N	56	21	47	25	3	58,113	F/0	70	351	28.2N	2.5	3.9	3970
2	Kyuraninsk Grp	Tp	40N	53	14	54	18	2	1,280	F/0	77	346	34.5N	2	2.8	3969
0	Krasnotzvetnaya Gr loc-1[1]	Tp	39N	53	11	39	20	3	119, 119	B/100	71	19	22.0N	2.1	3.6	3962
0	Krasnotzvetnaya Gr loc-2[1]	Tp	39N	53	191	-44	25	10	9,9	B/100	74	14	25.8N	7.8	12.5	3963
0	Krasnotzvetnaya Gr loc-3[1]	Tp	39N	53	9	37	22	3	84,84	B/100	71	27	20.7N	2.1	3.5	3964
0	Krasnotzvetnaya Gr loc-4[1]	Tp	39N	54	181	-42	14	10	160[2], 16	B/100	75	48	24.2N	7.5	12.3	3965
0	Krasnotzvetnaya Gr loc-5[1]	Tp	39N	55	16	49	17	6	36,36	B/100	74	355	29.9N	5.2	7.9	3966
0	Krasnotzvetnaya Gr loc-6[1]	Tp	39N	55	175	-39	50	8	60[3],6	B/100	73	69	22.0N	5.7	9.5	3967
0	Krasnotzvetnaya Gr Combined[1,4]	Tp	39N	54	7	42	125	6	464, 464	B/100	74	28	24.2N	4.5	7.4	3968
2	W Turkmenia Seds	Tp-Qp	39.3N	54.4	202	-47	8	4	188, 188	B/100	68	348	28.2N	3	5	3873

0	W Turkmenia Seds	Qp	39N	53	7	52	7015	4	40,80	F/O	81	89	32.6N	3.7	5.5	3826

1	Middle Pliocene
2	Most probably an error in the D/B (16,16?)
3	Most probably an error in the D/B (6,6?)
4	Combined RESULTNOS 3962-3967
5	Combined RESULTNOS 3972-3974
6	Late Neogene
7	Early Neogene
8	Sarmatian
9	Middle Apcheron to Early Akchagyl
10	Combined RESULTNOS 4006-4013
11	Akchagyl
12	Combined RESULTNOS 4015-4021
13	Akchagyl
14	Eocene to Early Oligocene
15	Eocene to Middle Oligocene
16	Early Palaeocene
17	Early Palaeogene
18	Aptian
19	Santonian
20	Callovian to Late Bathonian
21	Tatarian
22	This looks similar to RESULTNO 4529
23	Combined RESULTNOS 4740-4742

TABLE 4.12 IRAN (incuding LUT)

CAMBRIAN - RECENT

	SITE				DIRECTION							SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2 LUT ZAG?	Iron ores & host rocks[15]	PT3-CBe	31.6N	55.8	24.6	-31.9	5.3	22	11,114	B/100	35.7	26.5	17.3	14.5	24.6			2762
3 LUT	Redbeds[1]	De	30.5N	57.2	24.2	-1.3	18	10.1	13,113	B/100	51.3	16.3	0.7	5.1	10.1			719
3SELB	Geirud Lavas[14]	Dl-Ce, ovp?	36N	51.5	211	67	380	3.9	5,38	B/100	0.2	32.1	49.7	3.9	5.3			2096
3 ELB	M Perm Volcs[12]	Pe-l	36.5	51.5	132.7	27.6		19.4	5,71	B/100	22.5	101.8	14.7	11.6	21.2			1771
3 LUT	Sorkh Shales[2]	Tre	33.3N	57.3	288.9	20.8	30	14.2	5,51	B/100	21.6	146.2	10.8?	7.9	14.9			775
3 ELB	Tr-Jur Volcs[13]	Trl-Je	35.7N	52.3	43.7	36.1		5.7	5,21	B/100	48.7	332.6	20.0N	3.9	6.6			1772
3 LUT	Garedu Redbeds[3]	Jl	34N	56.9	3.9	41.6	45	13.9	4,48	B/100	79.4	37.1	23.9N	10.4	17			776
3 LUT	Bidou Beds[4]	Jm-Ke	30.7N	57	48.2	-32.5	17	19.2	5,33	B/100	23	6.5	17.7	12.3	21.7			777
3 LUT	Dehuk Sandst[5]	Ke-l	33.2N	57.5	326.1	38.5	19	21.4	4,46	B/100	58	135.2	21.7N	15.1	25.4			778
3CELB	Volcs, C Alborz Mnts[6]	Ke-l	36.3N	51.8	33.3	47.5	22	7.2	20,128	B/100	61	327.5	28.6N	6.1	9.3			1414
3 LUT	Seh-Deh Redbeds	Tpa	33.4N	59.2	343.3	59.6	59	6	1,9	B/100	75	181.8	40.4N	6.8	9			1500
3 LUT	Bajestan-Gonabad Series[11]	Tpa	34.5	58.3	166.2	-54.4	78	7.1	5,24	B/100	78.6	154.5	34.9N	9	9	(43)	(9)	1499
3 ZAG	Volcs & Tuffs, Kuh-e-Shabadum[8]	Te, ovp?	32.1N	53.3	226.9	-50.4	15	16	5,29	B/100	51.1	309.2	31.2N	17	17	(13)	(17)	1496
3 ZAG	Kuh-e-Kaleh-e-Kargushi Series[9]	Te	32.2N	53.2	241	-34.2	112	5.9	5,36	B/100	34.2	321.2	28.8N	6	6	(110)	(6)	1497
3CELB	Karaj sill & tuffs[7]	To	35.9N	51	57	58	13	10	2,15	B/100	45	299	38.7N	10.9	14.7			1495
3 ZAG	Hassan-Abad Ser[10]	Tm	33.4N	52	344.5	49	28	12	1,5	B/100	76.4	131.1	29.9N	10.5	11.9			1498
2AZER	Savalan Volcs	Tm-Tp	38.5N	48	26.6	35.5	15.4	15.8	7,20	B/100	60.2	349.7	19.6N	10.6	18.3			2148

1 Overlain by Early-Middle Devonian sediments
2 Central part of the Tabas Group (middle Permian to Middle Triassic)
3 Kimmeridgian to Tithonian
4 Late Middle Jurassic to earliest Cretaceous
5 Albian to Cenomanian

6 Chalus & Gypsum-Melaphyr Formation; Neocomian-Coniacian, same results in REFNO 1937
7 K/Ar ages 27.0±1.3, 34.0±1.3 Ma
8 K/Ar ages 25.3, 26.5 Ma, age of metamorphism
9 Upper Eocene, K/Ar ages 20.7, 23.5 Ma, metamorphic ages
10 K/Ar age 18.5±0.7 Ma
11 K/Ar ages 54±2, 61±2, 62±2 Ma
12 Overlain by middle-Upper Permian limestones
13 Basal Trm-l sediments, overlain by Je-m sediments
14 Late Famennian to Early Tournaisian, see update in REFNO 144. Folding Tp-Qp
15 Pb isotope age 666±120 Ma

Tectonic unit legend: AZER= Azerbaijan; ELB=Elburz (central, south); LUT= Lut block; ZAG=Zagros

TABLE 4.13 AFGHANISTAN

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
0	Karatshatyr & Murgur stgaes	P	34.1N	68.5	108	23	3.3	18.8	17,38	F/O	8	138	12.0?	10.6	20			2384
2	Volcs, SW Hilmend block	Ke	31.6N	65.5	8	67	4.4	25.4	7,21	F/O	71	261	49.7N	34.8	42.1			2383
2	Volcs, Shindand	Te-o	33.3N	62.1	7	31	6.6	11	25,42	F/O	72	39	16.7N	6.9	12.3			2382
2	Ignimbr & rhyol Dasht-e-Nawar[1]	Tp	33.8N	67.8	4	39	26.8	8.2	11,17	F/O	78	50	22.0N	5.8	9.8			2381

1 K/Ar age 2.8±0.3 Ma

TABLE 4.14 KUNLUN

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Dagangou Fm	Ce (Vil-Nae)	36N	95	357	15	70	6.7	8,59	B/100	68	99	7.6N	3.5	6.9			2432
4	Kunlun Dykes	Pl-Tre	36.2N	94.8	9	43	60	4.8	16,72	F/0	76	57	25N	3.7	5.9			2441

TABLE 5 TERRANES NORTHEASTERN AND NORTHERN RUSSIA

5.1 Taimyr
5.2 Kolyma
5.3 Khatyrka-Maynitska
5.4 Barentz-Pechoria
5.5 Komandori

TABLE 5.1 TAIMYR

ORDOVICIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Taimyr igneous rocks	D-Tr	75N	100	316	-56	8	16	10,20	B/100	25	318	36.6N	16	23			7371
5	Syradasayskaya, Labkskaya & Verhnetamslaya Suites[4]	Pl-Tre	72.9N	84	84	75	10.7	9	26,26	B/100	59	330	61.8N	15	16			7326
2	Taimyr Basalts[1]	Pl-Tre	68.5N	91	89	71	47	8	9,112	B/100	50	332	55.5N	12.1	13.9			4588
2	E Taimyr Volcs & Seds comb Loc-1	Tre	75N	114	112	71	95	2	1,55	B/100	48	346	55.5N	3	3.5			4614
2	E Taimyr Volcs & Seds comb Loc-2	Tre	75N	114	289	-70	40	4	8,46	B/100	47	349	54.0N	5.9	6.9			4615
2	E Taimyr Volcs & Seds combined[2]	Tre	75N	114	111	71	53	2	9,101	B/100	48	346	55.5N	3	3.5			4616
2	Dixon Island Intrusions	Tre	73.5N	81	310	-67	25	5	7,35	B/100	38	302	49.7N	6.9	8.3			4618
2	W Taimyr Volcs	Tre	72.8N	86	122	70	65	3	14,51	B/100	43	309	54.0N	4.4	5.2			4619
2	W Taimyr Volcs Comb Loc-1	Tre	72.7N	83.3	131	72	59	3	31,54	B/100	44	298	57.0N	4.7	5.3			4620
2	W Taimyr Volcs Comb Loc-2	Tre	72.8N	83.3	308	-68	5.6	6.7	12,47	B/100	39	303	51.1N	5.6	6.7			4621
2	W Taimyr Volcs Comb Loc-3	Tre	72.8N	83.8	126	69	31	4	10,60	B/100	41	305	52.5N	5.8	6.8			4622
2	W Taimyr Volcs Comb Loc-4	Tre	72.8N	84	125	72	72	2	28,82	B/100	45	303	57.0N	3.1	3.5			4623
2	W Taimyr Volcs Comb Loc-5	Tre	72.8N	84.2	126	69	34	4	9,39	B/100	41	305	52.5N	5.8	6.8			3624
2	W Taimyr Volcs Combined	Tre	72.8N	83.7	127	70	999	2	60,282	B/100	42	303	54.0N	3	3.4			4625
2	C Taimyr Intrusions	Tre	75.2N	100	142	55	15	10	2,14	B/100	25	314	35.5N	10.1	14.2			4626
2	C Taimyr Volcs	Tre	74.9N	100.5	330	-72	15	7	2,26	B/100	46	304	57.0N	10.9	12.3			4627

2	C Taimyr Volcs * Intr comb Loc-1	Tre	74.5N	100	107	71	68	3	39,39	B/100	49	337	55.5N	4.6	5.2	4628
2	C Taimyr Volcs * Intr comb Loc-2	Tre	75N	100	105	70	94	4	18,18	B/100	48	339	54.0N	5.9	6.9	4629
2	C Taimyr Volcs * Intr comb Loc-3	Tre	75N	101	109	69	50	3	51,51	B/100	46	337	52.5N	4.3	5.1	4630
2	C Taimyr Volcs * Intr comb Loc-4	Tre	74.5N	102	102	71	35	5	9,26	B/100	50	345	55.5N	7.6	8.7	4631
2	C Taimyr Volcs * Intr combined[3]	Tre	74.7N	100.7	106	70	999	2	117, 134	B/100	48	339	54.0N	3	3.4	4632
0	East Taimyr Seds	Tre	75N	108	287	-65	53	5	11,22	B/100	41	348	47.0N	6.5	8.1	4521

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1 K-Ar age 250±16 Ma
2 Combined RESULTNOS 4614-4615
3 Combined RESULTNOS 4628-4631
4 K-Ar ages: 255±10 Ma

TABLE 5.2 KOLYMA

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Omolon Massif Seds	CB-P	65.5N	156.8	58	50	26	11	8,8	B/100	40.9	82.3	30.8N ?	9.8	14.7			4888
3	Teabeateyskaya Suite	Om	67.5N	139.4	233	15	15	18	1,6	B/100	6N	267	7.6?	9.5	18.5			6790
3	Jarlykskaya Suite	Ol	67.5N	139.4	287	23	37	11	1,6	B/100	17N	38	12.0?	6.2	11.7			6782
2	Srednejarslykska ya Suite	Ol	67.3N	139.2	146	15	70	15	1,3	B/100	11N	354	7.6N?	7.9	15.4			6781
3	Suryuktyakhskaya Suite	Se	67.2N	138.5	238	31	16	8	1,20	B/100	4	264	16.7?	5	8.9			6775
3	Datninskaya & Khobachalinskaya Suites comb[24]	De	67.3N	138.6	239	56	11	9	2,27	B/100	23	270	36.6?	9.3	12.9			6768
3	Datninskaya Suite	De	67.3N	138.6	247	58	11	15	1,8	B/100	27	266	38.&?	16.3	22.1			6767
3	Datninskaya & Khobachalinskaya Suites	De	67.3N	138.6	57	-56	11	23	1,19	B/100	23	272	36.6?	23.7	33			6766
3	Datninskaya Suite	De	67.4N	138.7	64	-73	84	6	1,8	B/100	44	278	58.6?	9.6	10.7			6729
3	Tas-Khajakhtakh Seds comb[21]	De-Jl	67.3N	139	235	75	162	7	4,33	B/100	45	286	61.8?	11.7	12.8			6730
2	Perevalniy Creek Intr & Seds Lo-1	Dl	65N	162	289	-51	23	10	1,10	B/100	21	42	31.7N	9.1	13.5			5173
2	Perevalniy Creek Intr & Seds Lo-2	Dl	65N	162	296	-59	9	17	1,10	B/100	26	32	39.8N	18.9	25.4			5174
2	Perevalniy Creek Int & Seds Comb[16]	Dl	65N	162	292	-55	14	9	2,20	B/100	23	39	35.5N	9.1	12.8			5175
2	Perevalniy Creek Seds[15]	Dl-Ce	65N	162	272	-58	33	8	1,10	B/100	34	52	38.7N	8.7	11.8			5052
0	Metamorphosed Seds	Dl-Pe	65N	166	18	-78	3	16	1,39	B/100	42	336	67.0?	28.3	30.1			4734

2	Chersky Range Seds[23]	Ce	66.9N	139.8	54	-69	113	5	1,10	B/100	36	282	52.5?	7.2	8.5	6762
2	Perevalniy Creel Volcs[14]	Ce	65N	162	284	-54	17	8	1,20	B/100	25	44	34.5N	7.9	11.2	5049
2	Alutchinskoye lavas	Cl-Pe	66N	166.5	168	-36	21	7	1,24	B/100	42	182	20.0N	4.7	8.1	6755
2	Alutchinskoye Seds[22]	Pe	66N	166.5	158	-46			2,39	B/100	48	196	27.4N			6751
2	Omolon, Chizhiga & Khivatch Grpos Comb[13]	Pl	63N	159.7	71	73	8	7	3,61	B/100	57	44	58.6N	11	12	4739
2	Khivatch Grp	Pl	63N	159.1	39	52	31	8	1,12	B/100	52	102	32.6N	7	11	4738
2	Omolon, Chizhiga & Khivatch Grps Loc-1	Pl	63N	160	252	-70	11	9	1,28	B/100	55	50	54.0N	13	16	4736
2	Omolon, Chizhiga & Khivatch Grps Loc-2	Pl	63N	160	149	78	8	12	1,21	B/100	42	356	67.0N	21	23	4737
2	Omolon Massif Seds[5]	Tr	63N	159	57	66	5	12	1,35	B/100	56	68	48.3N	16	19.6	4539
3	Kiperveemskaya Suite	Tre-m	69N	166.5	103	65	18	8	1,24	F/0	39	45	47.0N	10.4	12.9	6748
3	Alutchinskoye Seds & Basalts	Tre-m	66N	166.5	178	-66	71	6	1,15	B/100	71	171	48.3N	8	9.8	6747
2	North Okhotie Region Seds[12]	Trm-l	60.5N	149.5	51	51	8	8	1,37	B/100	46.1	76.9	31.7N	7.3	10.8	4642
0	Kolyma River Seds[9]	Trl	69.5N	161	180	57	46	12	3,3	B/100	18	342	37.6?	12.7	17.5	4609
2	Omolon Massif Seds Comb[8]	Trl	65N	159	32	61	4	7	153, 153	B/100	61	104	42.1N	8.2	10.7	4584
2	Omolon Massif Seds[7]	Trl	65.2N	159	42	44	16	6	40,40	B/100	43	104	25.8N	4.7	7.5	4583
2	Omolon Massif Seds[6]	Trl	65N	159	26	67	3	12	71,71	B/100	70	104	49.7N	16.5	19.9	4581
2	Omolon Massif Seds Loc-1[4]	Trl	63N	159	61	70	18	10	1,22	B/100	58	55	54.0N	14.8	17.2	4538
2	Omolon Massif Seds Loc-2[4]	Trl	65.3N	159.1	41	55	17	7	1,30	B/100	51.7	99.7	35.5N	7	9.9	4638

2	Omolon Massif Seds Loc-3[4]	Trl	65.3N	159.1	41	60	32	6	1,39	B/100	56.4	95.4	40.9N	6.9	9.1	4639
2	Omolon Massif Seds Loc-4[4]	Trl	65.3N	159.1	78	67	22	10	1,108	B/100	48.5	51.9	49.7N	13.7	16.6	4640
2	Omolon Massif Seds Comb[11]	Trl	65.3N	159.1	41	57	17	3	4,221	B/100	53.5	98.1	37.6N	3.2	4.4	4641
2	Omolon Massif Seds[10]	Trl	65.3N	159.1	36	54	14	8	1,44	B/100	52.5	106.4	34.5N	7.9	11.2	4637
2	Omolon Massif Seds	Trl-Je	65.5N	159.3	32	57	52	4	29,172	B/100	56.5	109.8	37.6N	4.2	5.8	4636
2	Omolon Massif Seds[3]	Trl-Je	65.5N	159.3	31	54	88	4	1,67	B/100	53	114	34.5N	3.9	5.6	4434
3	Omolon Seds[25]	Trl-Je, ovp?	65.5N	156	12	85		2.7	10,114	B/50	75.1	344	80.1N	5.3	5.3	7314
2	Omolon Massif Seds[2]	Je	65.5N	159.3	31	60	26	9	3,53	B/100	59	110	41.0N	10.3	13.6	4433
3	Omolon Seds[26]	Je	65.5N	156	186	-70		7.5	3,38	B/100	78.1	138.7	54.0N	11.1	12.9	7316
2	Omolon Massif Seds[1]	Jm	64.5N	158.5	6	81	3	8	5,120	B/100	80	348	72.4N	14.9	15.4	4379
3	Omolon Seds[26]	Jm	65.5N	156	97	-88		4.6	3,35	B/100	65.7	326.3	86.0N	9.2	9.2	7315
3	Jabuldingdinskaya Suite Loc-1	Jm-l	67.3N	139.1	262	81	51	17	1,3	B/100	60	283	72.4N	31.7	32.8	6726
3	Jabuldingdinskaya Suite Loc-2	Jm-l	67.3N	139.3	231	73	85	5	1,10	B/100	42	287	58.6N	8	8.9	6727
3	Jabuldingdinskaya Suite Loc-3	Jm-l	67.4N	138.8	35	-72	12	13	1,12	B/100	37	295	57.0N	20.2	22.9	6728
1	Umkuveyem Depression Intru	Jm-l	65N	166	293	81	7	9	1,7	F/0	67	304	72.4N	16.8	17.4	4371
2	Omolon Massif Volcs & Meta Lst	Jm-l	63N	159.5	298	77	12	2	1,12	F/0	64	283	65.2N	3.5	3.7	4370
3	Tas-Khjakhtakh Seds Comb[20]	Jl	67.5N	139.5	357	79	21	28	3,15	B/100	88	279	68.8N	50.2	53.2	6725
3	Tas-Khajakhtakh Lst Loc-1[19]	Jl	67.5N	139.5	49	70	942	4	1,3	B/100	63	55	54.0N	5.9	6.9	6723
3	Tas-Khajakhtakh Lst Loc-2[19]	Jl	67.5N	139.5	278	73	84	10	1,4	B/100	55	257	58.6N	15.9	17.8	6724
3	Tas-Khajaktakh Sst & siltst[18]	Jl	67.5N	139.5	358	72	8	23	1,8	B/100	80	145	57.0N	35.8	40.6	6722

2	Metamorphosed Seds	K	67N	163.5	238	83	11	22	6,69	F/O	58	320	76.2N	42.1	43.1	4223
3	Tas-Khajakhtakh rocks comb[17]	Ke	67.5N	139.5	7	79	115	7	5,51	F/O	87.1	20.6	68.8N	12.6	13.3	6719
3	Garymchanskaya Suite Loc-1	Ke	67.5N	139.5	32	75	80	4	1,12	F/O	75	56	61.8N	6.7	7.3	6717
3	Garymchanskaya Suite Loc-2	Ke	67.5N	139.5	32	78	103	4	1,13	F/O	77	36	67.0N	7.1	7.5	6718
3	Tas-Khajakhtakh igns rocks Loc-1	Ke	67.5N	139.5	312	76	27	12	1,7	F/O	70	241	63.5N	20.4	22.1	6715
3	Tas-Khajakhtakh igns rocks Loc-2	Ke	67.5N	139.5	17	76	31	9	1,9	F/O	82	70	63.5N	15.3	16.6	6716
3	Tas-Khajakhtakh Seds	Ke	67.5N	139.5	355	80	16	11	1,10	F/O	86	293	70.6N	20.2	21.1	6714
2	Metamorphosed Seds	Ke	65N	166	28	89	7	4	6,110	F/O	67	348	88.0N	8	8	4225
2	Sst & Tuffs, Penzhino Gulf	Kl	61.5N	164	61	75	11	15	10,10	B/100	61	45	61.8N	25	27.4	4224
2	Metamorphosed Lavas & Seds	Kl	63N	159.5	147.0	83.0	50	13	1,4	F/O	50	351	76.2N	24.9	25	6509

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1 Bajocian to Aalenian
2 Hettangian to Sinemurian
3 Late Triassic to Early Hettangian
4 Norian
5 Early Carnian to Olenek
6 Carnian to Norian
7 Carnian
8 Combined RESULTNOS 4581-4583
9 Carnian
10 Carnian to Norian
11 Combined RESULTNOS 4637-4640
12 Ladinian to Carnian
13 Combined RESULTNOS 4736-4738
14 Tournaisian
15 Late Famennian to Early Tournaisian
16 Combined RESULTNOS 5173-5174
17 Combined RESULTNOS 6714-6718
18 Kimmeridgian-Tithonian
19 Kimmeridgian-Tithonian
20 Kimmeridgian-Tithonian, combined RESULTNOS 6722-6724
21 Combined RESULTNOS 6726-6729
22 Sakmarian
23 Igneous-sedimentary sequence cut by dolerite dykes
24 Combined RESULTNOS 6766-6767
25 From Omolon terrane rather than Kolyma terrane (D/B entry of Omolon terrane ought to be Kolyma Terrane). Note 50% unfolding, this is probably an overprint
26 From Omolon terrane rather than Kolyma terrane (D/B entry of Omolon terrane ought to be Kolyma Terrane).

TABLE 5.3 KHATYRKA-MAYNITSKA

CAMBRIAN - RECENT

	SITE					DIRECTION					SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4 KHA	Kokuyskyi structural unit	Trl	62.5N	174.5	6.5	-41.5	25.5	15.4	5,26	B/100	2.8N 3.4N	349.4 348.8	23.9	11.5	18.8		(18.2)	7203
4 MAY	Yagyelnyi structural unit	Jl-Ke	63.2N	175.3	201.2	50.7	25.9	15.3	5,36	B/100	5.5N 6.4N	336.4 336.8	31.4	13.9	20.6		(20.1)	7202
4 KHA	Ryelyavaamski sructural unit[2]	Jl-Ke	62.4N	174.8	47.9	38.7	109.9	8.8	4,26	B/100	38.2 38.2	113.6 113.5	21.8N	6.2	10.5		(8.9)	7201
4 KHA	Khatyrka overlap sequence[1]	Kl	62.5N	174.4	5.5	54.4	122.8	6.9	5,31	B/100	73.5 73.3	358.1 357.3	34.9N	13.4	13.6		(13.6)	7200

1 Senonian
2 Tithonian to Neocomian

TABLE 5.4 BARENTZ-PECHORIA

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
1 PEC	North Timan Seds	Sl	68N	48	46	7	19	6	23,36	B/100	19	358	3.5N	3	6			5241
3 NZ	Novaya Zemlaya Intr & Seds	Sl-Dl	74.5N	56.2	110	3	19	18	5,87	B/100	3.8N	306.5	1.5N	9	18			5222
1 PEC	Travyansk & Nadezdha Grps[13]	Dm	67N	48	240	10	11	5	51,87	B/100	7	347	5.0	2.6	5.1			5114
2 NZ	Novaya Zemlya Intrusives	Dl	72.3N	53.5	96	-13	5	14	10,26	B/100	8N	319	6.6	7.3	14.3			5193
2 PEC	North Timan Intrusives[15]	Dl	67N	49	244	-17	15	6	1,31	B/100	18	340	8.7N	3.2	6.2			5189
1 PEC	Gruboruchei & Rassokha Grps[14]	Dl	66N	48	83	6	21	4	39,61	B/100	7	323	3.0N	2	4			5130
2 PEC	North Timan Seds Loc-1[12]	Dl	67N	48	221	7	8	7	2,52	B/100	13	5	3.5	3.5	7			5105
2 PEC	North Timan Seds Loc-2[12]	Dl	67N	48	245	8	23	8	1,17	B/100	6	342	4.0	4.1	8.1			5106
2 PEC	North Timan Seds Loc-3[12]	Dl	67N	48	234	13	15	13	5,82	B/100	7	354	6.6	6.8	13.3			5107
2 PEC	North Timan Seds Comb[12]	Dl	67N	48	231	11	10	4	8,151	B/100	9	356	5.6	2.1	4.1			5108
2 PEC	Central Timan Redbeds[11]	Pl	66N	51	247	-42	16	8	1,19	B/100	31	332	24.2N	6	9.8			4842
2 NZ	Novaya Zemlya Seds[10]	Pl	75.2N	55.8	251	-30	6	10	3,32.	B/100	21	341	16.1N	6.2	11.1			4841
1 PEC	Central Timan Seds[9]	Pl	66N	51	81	50	6	12	1,32	B/100	32	315	30.8N	10.7	16			4745
0 PEC	Nizhnepechorsk Subgroup[8]	Pl	65.5N	58	263	-39	12	14	9,9	B/100	23	328	22.0N	10	16.7			4673
2 PEC	Verkhnepechora & Byzovsk Grps[5]	Pl-Tre	65.5N	58	73	44	5	16	1,24	B/100	31	328	25.8N	12.5	20			4530
2 NZ	Novaya Zemlya Seds	Tre	75.2N	55.8	81	49	6	7	1,81	B/100	31	326	29.9N	6.1	9.2			4613

2 NZ	Novaya Zemlya Seds	Tre	72N	52	68	46	10	6	1,44	B/100	32	333	27.4N	4.9	7.7	4612
2 NZ	Novaya Zemlya Seds[6]	Tre	72N	52	77	30	5	10	1,47	B/100	19	329	16.1N	6.2	11.1	4610
2 PEC	Middle Timan Seds[7]	Tre	66N	51	261	-50	26	9	1,10	B/100	32	316	30.8N	8	12	4617
2 PEC	Pechorsky Synclise Seds[4]	Jl	64.2N	53.7	38	70	15	4	3,90	B/100	68	334	54.0N	5.9	6.9	4419
2 PEC	Pechorsky Synclise Seds[3]	Ke	64.2N	53.7	33	66	17	5	3,51	B/100	67	348	48.3N	6.7	8.2	4323
1 FJL	Franz-Jozef Land Basalts[2]	Ke	80.5N	47.5	30	82	120	2	12,42	B/100	81	346	74.3N	3.8	3.9	4228
2 PEC	Upper Kolva Grp	Tp	67N	54	29	70	43	7	10,15	F/O	71	353	54.0N	10.4	12	4002
2 PEC	Pechora River Clays	Tp	65N	54	29	76	31	12	5,8	F/O	78	318	63.5N	20.4	22.1	4001
2 PEC	Dneprovsk & Likhva Seds[1]	Qp	65N	54	351	73	50	3	20,36	F/O	82	89	58.6N	4.9	5.4	3854

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1 Middle Pleistocene
2 Albian to Barremian
3 Valanginian
4 Tithonian
5 Induan to Tatarian
6 Olenek
7 Induan
8 Kazanian
9 Ufimian? NOTE. This is normal polarity: overprint or post-Kiaman?
10 Tatarian
11 Early Kazanian
12 Late Famennian to Early Frasnian
13 Givetian
14 Frasnian
15 Early Frasnian

Tectonic unit legend: FJL: Franz-Jozef Land; NZ: Novaya-Zemlaya; PEC= Pechoria Basin

TABLE 5.5 KOMANDORI

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Medniy rocks[1]	Tp-e	54.7N	167.8	76	62	15	5.7	40,80	B/100	41.4	58.2	43.2N	6.9	8.8			7283
0	Bering andesite-basalts	Te	55N	166.3	154	-49		11.9	,36	F/0	58.3	212.7	29.9N	10.4	15.7			7269

1 Komandorskaya & Mednovskaya Suites

TABLE 6 TERRANES NORTH AMERICAN CORDILLERA

6.1 Porcupine
6.2 Wrangell
6.3 Peninsula
6.4 Chugagh-Prince William
6.5 Cache Creek
6.6 Slide Mountain
6.7 Alexander
6.8 Stikine
6.9 Quesnell
6.10 Crescent
6.11 Decatur
6.12 Eastern Klamath
6.13 Nicasio
6.14 Salinia
6.15 Stanley Mountain
6.16 San Nicolas
6.17 Santa Ana
6.18 Vizcaino
6.19 Guerrero
6.20 Maya

TABLE 6.1 PORCUPINE

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Porcupine River carbonates char[1,2]	S-D,ovp	67.1N	142.1W	37.6	79.8	52.5	3.7	30,144	F/O	76.6	92.3	70.2N	6.4	6.4			6054
4	Porcupine River carbonates sec[1,2]	S-D,ovp	67.1N	142W	19.8	83.2	78.3	3	30,145	F/O	78.6	59.1	76.6N	5.5	5.5			6055

1 Deformation and uplift in Early to midle Tertiary. Remagnetization age ~ 40-60 Ma
2 Increased dispersion upon bedding correction

TABLE 6.2 WRANGELL

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
2	Station Crk Fm	Cl-Pe	61.7N	142.3W	225.9	10.9	8.9	14.9	,10	B/100	13.5	167.6	5.5	11.7	11.7	(14.4)	(11.7)	1287
2	Hasden Crk Fm[9]	Pe	61.7N	142.3W	218	14.5	22.2	9	,11	B/100	14.9	178.6	7.4	6.6	6.6	(41.3)	(6.6)	1286
3	W-coast Crystall Cmp-A[7]	Pe,ovp	49N	125.8W	12.8	46.6	29.2	5	27,69	F/0	66.1	204.8	27.9N	4.1	6.4			1041
3	W-coast Crystall Cmp-B	Pe	49N	126W	16.7	68.2	22.6	4.7	39,233	F/0	79.3	128	51.3N	6.7	8			1042
3	Nikolai Greenstone[4]	Trm-l	63.1N	146W	98.5	-26.7	7.2	8.5	46,192	B/100	16.4	303.1	14.1	5	9.2			295
3	Nikolai Greenstone	Trm-l	61.6N	143W	73.9	-20.2	12.4	5.9	50,91	B/100	2.2	326.1	10.4	4.8	4.8	(18.3)	(4.8)	2054
2	Gabbro Pluton[10]	Trm-l	61.7N	142.3W	242	-2.8	111	5.4	,6	F/0	14.2	152.1	1.4?	4.1	4.1	(192.1	4.1)	1288
3	Karmutsen Basalts X-1[11]	Trl	49.7N	125W	327.2	-25.3	41.3	14.5	4,37	B/100	20.9	269.3	13.3	8.4	15.6			1622
3	Karmutsen Basalts X-2[12]	Trl	49.7N	125W	359.6	-32.3	65.1	11.5	4,34	B/100	22.9	235.4	17.5	7.3	12.9			1623
3	Karmutsen Basalts y[13]	Trl,ovp	49.7N	125W	20.5	28.7	13.2	25.8	4,36	B/100	52	201.8	15.3N	15.6	28.3			1624
3	Karmutsen Basalts Comp-1[14]	Trl	49.9N	125.4W	8	-33	21	6	28,147	B/100	21	224	18.0	4.1	6.9	(21)	(6)	1625
3	Karmutsen Basalts Combin[15]	Trl	49.8N	125W	3	-33	17	6	36,218	B/100	23	232	18.0	17	6			1631
3	Karmutsen Basalts overpr[16]	Trl,ovp	49.9N	125W	25	57	18	10	14,66	F/0	70	165	37.6N	10.8	14.7	(13)	(11)	1632
2	Karmutsen Basalts[17]	Trl,ovp	52.5N	132W	359	69	68	15	3,17	F/0	89	15	52.5N	22.2	25.6	(28)	(24)	2129
2	Karmutsen Basalts[18]	Trl,ovp	49.7N	125.6W	337	77	12	17	8,24	F/0	70.3	25.2	65.2N	28	31			2350
2	Karmutsen Basalts[19]	Trl	49.7N	126W	354	-35		19	3,9	B/100	21	241	19.3	14	20			2351

2	Karmutsen Basalts ovp[20]	Trl,ovp	49.5N	125.4	1.3	60.5	14	14	7,23	F/O	81.7	228	41.5N	16.2	21.3	2784
2	Karmutsen Basalts[20]	Trl	49.5N	125W	10.4	-45.6	7.8	22.5	5,14	B/100	12.8	225.4	27.1	18.2	28.6	2785
3	Bonanza Grp Volcs Comp-A[1]	Je	50.5N	128.1W	276	42	50	6	13,118	B/100	22	334	24.2N	6	9	490
3	Bonanza Grp Volcs Comp-B[2]	Je	50.5N	128W	310	8	16	31	3,16	B/100	27	292	4.0N	16	32	491
3	Bonanza Grp Volcs Comp-B[3]	Je	50.7N	128W	24.8	41.4	180	4.3	2,11	B/100	56.7	187.4	23.8N	13.8	22.8	1662
3	Bonanza Grp Volcs Comp-B[3]	Je	50.7N	128W	359	-49	67	7	1,10	B/100	9.7	233.5	29.9	6.6	9.4	5941
3	Island Intrus-B[8]	Jm	49.6N	125.5W	7.8	50.1	23.1	10.2	10,24	F/O	71	115	30.9N	9	14	1043
3	Island Intrus-A[8]	Jm	49.6N	126W	17.6	69.5	47.6	4.4	11,22	F/O	79	121	53.2N	7	8	1044
3	Island Intrs[19]	Jm-l	49.6N	125.5W	1.9	73.9	32	6	17,65	F/O	79	60	60.0N	10	11	2484
3	MacColl Ridge Fm[5]	Kl	61.2N	142.4W	225.5	51.2	20.3	9.1	14,20	B/100	10.1	359.6	31.9N	8.4	12.3	520

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1 Sinemurian & Pliensbachian fossils
2 Secondary, pre-folding, but post-heating by Island Intrusions
3 Apparently rotated with respect to main group
4 Underlain by Ladinian shales, overlain by Carnian Lst
5 Maastrichtian
6 U/Pb zircon age 264 Ma
7 MAGAGE age of migmatisation 190 Ma, Je
8 Rb/Sr isochron age 178±10 Ma, subsequent thermal events ~155,~110 and ~40 Ma, supersedes RESULTNO 2484
9 Very slight improvement in dispersion upon bedding correction
10 Intrusdes Hasden Creek and Station Creek Fms
11 Carnian age, result included in RESULTNO 1631, Dispersion gets worse upon bedding correction
12 Carnian age included in RESULTNO 1631
13 Carnian age, age of magnetization uncertain, J-K? Dispersion increases upon bedding correction
14 Carnian age, includes data from RESULTNO 2351
15 Carnian age, includes data from RESULTNOS 1622,1623,1625
16 Carnian age, secondary magnetization age J-K?
17 Carnian age, probably Tertiary overprint
18 Late Carnian age
19 Intrude Lower Jurassic rocks, K/Ar ages mean 159±10 Ma
20 Carnian age

TABLE 6.3 PENINSULA

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	U Matanuska Fm Nth of CM fault[8,9]	Kl, ovp?	61.5N	148.2W	112.6	-64.1	22.1	20	4,36	B/100	50	311	45.9N	22.5	22.5		(22.5)	6058
4	U Matanuska Fm Sth of CM fault[8]	Kl	61.5N	148W	94.2	78.5	23.8	25.8	3,31	B/100	53.2	70.7	67.9N	46.1	48.8			6059
2	Lavas, Clark Lake[3]	Kl-Tpa	60.3N	154.7W	296.1	75.2	38	6.7	13	B/100	60.5	329.3	62.2N	11.7	11.7	(13.5)	(11.7)	523
2	Cantwell Fm Volcs[2]	Tpa	63.6N	149.6W	142.6	-85.1	42.4	5.4	18,143	B/100	70	14.6	80.3N	10	10	(12.9)	(10)	482
4	Chickaloon Fm[6]	Tpa-e	61.5N	148.2W	248.2	-69.6	67	8.2	6,60	B/100	50.5	97.2	53.4N	7.7	12.2		(12.3)	6056
4	Arkose Ridge Fm[7]	Tpa-e	61.5N	148.2W	314	63.2	25	18.8	4,42	B/100	60.2	318.6	44.7N	6.4	11.6		(13)	6057
4	Matanuska Valley Sills[4]	Te	61.6N	148.3W	216.2	-75.5	43.7	5.6	14,83	B/190	72.9	101.1	62.7N	9.4	9.4	(15.4)	(9.4)	5729
3	Talkeetna Mnt Volcs[5]	Te	62N	148W	302	84	38	4.5	28,97	B/100	66	8	78.1N	8.3	8.3	(11.7)	(8.3)	6016
3	Talkeetna Volcs[1]	Te	63.1N	149W	135.2	-82.4	15.8	7.4	26,196	B/100	69.5	359.6	75.1N	12.2	12.2	(6.3)	(12.2)	339

1 K/Ar ages 50.4±2.0, 56.3±2.5, 53.9±1.6 Ma, average 53±3 Ma
2 K/Ar ages 41.8-59.3 Ma (whole rock) and 60.6, 57.2 (plagioclase) mineral ages
3 K/Ar ages 59-71 Ma. Slight improvement of dispersion upon bedding correction
4 K/Ar ages ranging from 37.5±1.2 to 45.5±2.3 Ma
5 Combined result for Peninsula, Wrangell and Alexander Terranes. K-Ar ages range from 43.6 to 56.2 Ma
6 K/Ar & fission track ages for upper formation : 53.3 to 55.8 Ma
7 Similar in age to Chickaloon Fm
8 Campanian to Maastrichtian.
9 Foldtest negative, so presumably secondary component

TABLE 6.4 CHUGAGH-PRINCE WILLIAM

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Glacier Island Ophiolite Type-1[3]	Tpa	60.9N	147.1W	330.1	81.8	44.8	6	14,70	F/O	72.1	4.9	73.9N	10.9	10.9			7465
4	Glacier Island Ophiol Type-2R[4]	Tpa	60.9N	147W	129.5	-67.2	35.1	7.8	11,55	F/O	61	308.1	50.0N ?	11.7	11.7			7466
4	Resurrection Penins Ophiol Characteristic[1]	Tpa	60N	149.3W	78	-69	29	3.6	56,236	B/100	38.6	341.1	52.5N ?	5.2	6.1			6910
4	Resurrection Penins Ophiol Secondary[2]	Tpa,ovp	60N	149W	2.3	76.6	97.7	2.6	32,168	F/O	85.4	43	64.5N	4.5	4.8			6911

1 U-Pb age 57±1 Ma. Bedding strikes rotated N-S before tilt correction
2 Secondary magnetization possibly related to 35 Ma plutons
3 Correlated with Resurrection Peninsula Ophiolite (U-Pb 57±1 Ma). Dispersion increases significantly upon bedding correction
4 Dispersion increases significantly upon bedding correction

TABLE 6.5 CACHE CREEK

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Alfred Butte Volcs & Seds[2]	Cl	60.1N	134.1W	338	48	37	6.4	15,97	F/O	57	261	29.0N	7.5	7.5	(26.8)	(7.5)	6464
4	Sentinel Mntn Volcs & Seds[1]	Cl-Pe, ovp	59.4N	133.5W	320	51	30.6	6.8	16,100	F/O	52	289	31.7N	8	8	(22)	(8)	6465

1 Late Pennsylvanian to Early Permian. Late Triassic to Middle Jurassic remagnetization. Dispersion increases slightly upon bedding correction
2 Late Pennsylvanian. Late Triassic to Middle Jurassic remagnetization. Dispersion increases slightly upon bedding correction

TABLE 6.6 SLIDE MOUNTAIN

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Sylvester Red Cherts charact[2]	Cl-Pe	59N	128.7W	180.6	-19.2	14.7	13	10,73	B/100	40.9	230.5	9.9N	7.1	13.6			7194
4	Sliding Mountain Red Cherts[4]	Cl-Pe	53.2N	121.5W	247.1	-3.8	97.6	5.2	9,73	B/100	15	166.1	1.9N	2.6	5.2			7196
4	Sylvester Red Cherts Second[3]	Cl-Pe, ovp	59N	129W	223.6	67.1	63	4.5	17	F/O	25.2	22.4	49.8N	6.9	6.9		(6.9)	7195
4	Sylvester Lst[1]	Pl,ovp	59.4N	129.9W	328.3	76.6	102.4	4.3	12,59	F/O	75.7	351.7	64.5N	5.6	6.9	(27.1)	(8.5)	1761

1 Guadelupian age, intruded by Cassiar Batholith with K/Ar ages 100-110 Ma. Dispersion increases upon bedding correction. Remagnetized by Cassiar Batholith at 100-110 Ma
2 Sylvester Allochton, middle Pennsylvanian to Early Permian
3 Possibly Jurassic overprint
4 Middle Pennsylvanian to Early Permian

TABLE 6.7 ALEXANDER

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Descon Fm lavas[2]	Ol	55.8N	133.4W	76.4	-2.7	3.1	37.8	8,85	B/100	6.5N	328.7	1.4?	18.9	37.8			202
3	Descon Fm Seds[3]	Ol-Se	55.5N	133.5W	115	-13.9	223.4	8.3	3,14	B/100	19.9	298.9	7.1?	4.3	8.5			203
*	Karheen Fm	De	55.8N	143.3W	232.7	25.6	15	7.1	29,154	B/190	7.1	175.4	13.5?	4.1	7.7	(26)	(5.4)	BAZ[11]
3	Devonian Seds & Volcs[4]	Dm-l	55.5N	133.5W	114.9	-19.9	8.6	9.4	5,31	B/100	22.5	301.9	10.3?	5.2	9.8			204
3	Port Refugio Fm	Dl	55.5N	133.5W	97.5	-37.1	10.1	8.7	5,30	B/100	21.1	322.9	20.7?	6	10.2			205
3	Peratrovich Fm[6]	Ce	55.5N	133.5W	94.6	-26.5	5.1	13.3	5,28	B/100	14.1	321.2	14.0?	7.8	14.4			207
3	Ladrones Lst, Klawak Fm[5]	Cl	55.5N	134W	100.5	-15.1	5.6	11.6	4,33	B/100	12.3	312.6	7.7?	6.1	11.9			206
4	Pybos Fm[9]	P,ovp	56.9N	134W	28.7	66.4	135.4	4.8	8,41	F/0	71.6	146.1	48.9N	6.8	6.8	(67.1)	(6.8)	6924
4	Hound Island Volcs Comp-A[7]	Trl	57.1N	133.1W	298.1	-31	6.8	14.3	18,71	B/100	2.7N	284.6	16.7?	13.2	13.2	(7.8)	(13.2)	6921
4	Hound Island Volcs Comp-B[8]	Trl,ovp	57.1N	134W	194.4	-69.9	6.8	21.3	9,51	F/0	81.2	152.4	53.8N	31.5	36.6			6922
4	Hound Island Volcs Comp-B[9]	Trl,ovp	57.1N	134W	39.1	66.9	15.5	5	56,315	F/0	66.3	133	49.5N	7.3	7.3	(7.7)	(7.3)	6923
3	Hound Island Volcs[1]	Trl	56.9N	133.9W	234.6	63.1	32.7	7.7	12,139	B/100	23.1	8.8	44.6N	11	11	(17)	(11)	181
3	Point Camden Gabbro[10]	To-m	56.9N	134W	355.7	70.5	25.1	6.6	20,127	F/0	87.1	321.6	54.7N	10.1	10.1		(10.1)	6925

1 Carnian age
2 Caradocian age. Dispersion increases slightly upon bedding correction
3 Early Caradocian to Middle Llandoverian
4 Wadleigh Lst, Coronados Volcs, St Joseph Isl Volcs (red muds)
5 Pennsylvanian
6 Lower Mississipian
7 Member of the Hyd Group. Late Carnian to Late Norian. Ar/Ar age 197±7 Ma with overprint at 108±8 Ma. Regarding as primary magnetization
8 Overprint from Point Camden Gabbro
9 Middle Cretaceous overprint. Dispersion increases upon bedding correction
10 Ar/Ar age 23.1±1.7 Ma
11 Bazard et al. (1995)

TABLE 6.8 STIKINE

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Asitka Group Basalt[2]	Pe	56.7N	126.6W	129	-40	20	8	5,20	B/100	40	303	22.8N	5	9			1755
3	Asitka Group Rhyolite[2]	Pe	56.7N	127W	85	-38	209	3	1,13	B/100	15	339	21.3N	5	9			5936
3	Asitka Group Tuff[2,3]	Pe	56.7N	127W	354	40	41	8	1,15	B/100	56	243	22.8N	6	9			5937
3	Stuhinni Grp G-1[7]	Trl	56.7N	126.4W	300	44	31	6	6,42	B/100	38	313	25.8N	10	15			1793
3	Stuhinni Grp G-2[7]	Trl	56.6N	127W	281	38	18	7	8,42	B/100	24	326	21.3N	9	16			1794
3	Telkwa Fm, Hazelton Grp L-1[4]	Je	56.6N	126.7W	242	56	29	18	4,28	B/100	17	5	36.6N	18	25			1791
3	Telkwa Fm Hazelton Grp L-2[4]	Je	56.5N	127W	114	-52	14	25	4,20	B/100	40	324	32.6N	24	35			1792
4	Telkwa Fm, Red Canyon[8]	Je	54.5N	128W	265	56	24	10.7	9,59	B/100	27	349	36.6N	11	15			6124
4	Telkwa Fm, Zymoetz River[8]	Je	54.4N	128W	227	50	38	8	10,65	B/100	5	193	30.8N	7	11			6125
4	Telkwa Fm, Telkwa Range[8]	Je	54.5N	127W	326	47	53	7.7	8,48	B/100	55	287	28.2N	6	10			6126
3	Nilkitwa Fm, Hazelton Grp[5]	Je	55.6N	126W	359	55	15	16	7,37	B/100	70	237	35.5N	16	22			1790
3	Topley Intrus[1]	Ke	54N	125W	324.2	54.1		8.6	17,72	F/O	58.4	301.8	34.6N	8.3	11.8			1217
3	Axelgold Intrus[6]	Ke	56.2N	126.1W	25	69	70	5	13,67	B/100	76	147	52.5N	7	8			1789
4	Ootsa Lake Volcs[9]	Te	53.7N	126.8W	2.5	64.5	32.6	5.7	21,130	B/100	82.6	219.3	46.4N	7.4	9.2			6399

1 K/Ar ages 112-163 Ma, preferred range 133-143 Ma
2 Late Sakmarian to Early Artinskian
3 Flagged as "Normal polarity zone within Kiaman" in D/B, but inclination is up and not down as expected.
4 Intrudes Cache Creek group, Rb/Sr and K/Ar ages give overall 125±5 Ma, see REFNO 1915, Layered intrusion, correction made for tilt of layers. Dispersion increases upon correction for bedding
5 Middle Toarcian age
6 Sinemurian age, local rotations apparent between localities
7 Late Carnian to early Norian age, formerly Takla Group. Local rotations apparent between localities
8 Late Sinemurian to early Pliensbachian
9 K/Ar ages range 49.1±1.7 to 50.0±1.7 Ma

TABLE 6.9 QUESNELL

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Nicola Volcs Comp-A[1]	Trl,ovp	49.9N	120.5W	40.7	47.4	27.1	5.5	26,33	B/100	52.7	168.7	28.5N	4.7	7.2			1045
3	Nicola Volcs Comp-B[2]	Trl,ovp	49.9N	121W	0.4	61.3	15.2	5.6	41,85	F/0	82.5	57	42.4N	6.6	8.6			1046
3	Quesnel Lake Seds[4]	Trl-Je, ovp	52.5N	121.5W	34.9	57.4	12	9	5,22	F/0	61.9	165.4	38.0N	9.8	13.4			1231
2	Guichon Batholith[8]	Je	50.5N	121W	20.4	50.6	12.1	11.3	15,58	F/0	65.6	192.9	31.3N	9.4	14			2974
3	Guichon Batholith[5]	Je	50.5N	121W	27.7	35.8		7.3	13,110	F/0	52.3	193.3	19.8N	4.9	8.5			1695
2	Copper Mountain Intrusions[7]	Je	49.3N	120.5W	25.9	57.2	27	6.5	17,81	F/0	68.4	170.7	37.8N	7	9.6			2781
3	Copper Mountain Inmtrusions[3]	Je	49.3N	120.5w	25.9	41.2	160	3.6	11,76	F/0	57.3	191.8	23.6N	2.7	4.4			1220
2	Tulameen Complex[6]	Je-m	49.5N	120.9W	140.8	-33.8	6.5	20.4	10,46	F/0	46	299	18.5N	13	23			2481

1 Late Carnian to Middle Norian. K/Ar muscovite 207±5, biotite 204±5 Ma. MAGAGE is age of hematisation, Je? (K-Ar age)
2 Post-tilting component, Middle Eocene age proposed
3 K/Ar ages between 191±7 and 203±9 Ma. Supersedes RESULTNO 2781
4 Norian and Hettangian age. Middle to Late Jurassic deformation. Overprint due to nearby intrusion (K/Ar age 105,108 Ma)
5 Intrudes Lower Jurassic Volcs, overlain by Upper Hettangian. K/Ar mean age 202±8 Ma. Supersedes RESULT 2974
6 Intrudes Upper Triassic, cut by Eagle Granodiorite , K/Ar age 143 Ma. K/Ar ages hornblende 176±3, biotite 172±3, whole rock 188±10 Ma
7 K/Ar mean ages 198±8 Ma
8 Intrudes Lower Jurassic Volcs, overlain by Upper Hettangian. K/Ar mean age 202±8 Ma. See REFNO 1897, RESULTNO 1694 which supersedes this one.

TABLE 6.10 CRESCENT

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Crescent Fm[4]	Te	48N	124W	168.8	-70.1		5	46,292	B/100	80.7	12	54.1N	8	8		(8)	7442
4	Metchosin Cmpx Sheeted Dykes[3]	Te	48.3N	123.6W	144	-59.7	30	6.4	3,18	F/0	62.7	323.7	40.6N	8.4	8.4		(8.4)	6288
4	Rocky Point Stock[3]	Te	48.3N	123.5W	197	-36.2	15	13	10,52	F/0	59.8	205.6	20.1N	12.2	12.2	(17)	(12.2)	6287
4	Broome Hill Stock[3]	Te	48.4N	123.8W	166	-70.2	36	4	,25	F/0	79.5	5.7	54.2N	6.5	6.5		(6.5)	6286
4	Empress Hill Stock[3]	Te	48.5N	123.7W	338.4	77.8	350	4.9	4,23	F/0	69.1	31.2	66.6N	9.4	9.4	(96)	(9.4)	6285
4	East Sooke Stock[2]	Te	48.4N	123.7W	330.9	63.7	47	3.6	35,183	F/0	70.5	333.2	45.3N	5.2	5.2			6284
3	East Sooke Gabbro[1]	Te	48.4N	123.6W	329.9	64.2	38.9	4.2	29,145	F/0	69.5	330.9	46.9N	5.3	6.7	(47)	(3.6)	2465

1 U/Pb and Ar/Ar ages of 52-58 Ma, see ROCKUNITNO 5011
2 U/P age 52±2 Ma; Ar/Ar age 57.8±0.8 Ma; K/Ar age 39-55 Ma. Updates and includes data from RESULTNO 2465
3 U/P age 52±2 Ma; Ar/Ar age 57.8±0.8 Ma; K/Ar age 39-55 Ma.
4 Ar/Ar ages from 45.4±0.6 Ma to 56.0±1.0 Ma. Includes data from RESULTNO 256

TABLE 6.11 DECATUR

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	James Island Fm[1]	Jl	48.5N	122.8W	343.6	-1.5	15.1	17.8	6,44	B/100	38.7	258.4	0.8	8.9	17.8			5997
4	Obstruction Fm[2]	Kl,ovp	48.6N	122.8W	90.7	67.9	168.8	4	9,61	F/0	35.3	107.7	50.9N	5.6	6.7			5998

1 Late Tithonian. Low temperature metamorphism at 84-99 Ma
2 Cenomanian to Turonian. Remagnetization by uplift of the San Juan Nappes at about 85 Ma

TABLE 6.12 EASTERN KLAMATH

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Kennett Lst[1]	Dm,ovp	40.8N	122.4W	218.7	-49.4	461	7.2	10,32	F/O	56.9	152	30.3N	7.4	7.4	(44)	(7.4)	707
4	Dekkas Andesite & Lowest Pit Fm	Pl	41.1N	122.1W	245.1	-33	23	11.8	8,113	B/100	30.6	149.2	18.0N	11.4	11.4			6001
*	North Fork terr, chert site1[2]	Pl	41.2N	123.2W	289.5	23.0	15	9.8	1,16	B/100	22.5N	143.2	12.0?	5.5	10.4			MANK
*	North Fork terr, chert site1[2]	Pl	41.2	123.2W	73.6	-17.9	56	8.1	1,7	B/100	6.0	164.6	9.2?	4.4	8.4			MANK
4	Pit & Modin Fms	Tr	41.1N	122W	95.1	33.3	30.2	14.1	5,49	B/100	8.4	130.6	18.0N	13.5	13.5	(33)	(13.5)	6003
4	Arvison Fm	Je	40.9N	122W	343.3	43.8	83.4	13.6	3,24	B/100	69.5	285.8	25.6N	14.7	14.7	(72)	(14.7)	6004
4	U Arvison & Potem Fms	Je-m	41N	122W	27	63.3	103.3	9.1	4,67	B/100	69.7	126.1	44.8N	11.2	11.2	(69)	(11.2)	6005

1 Redding section, remagnetized at the time of the Shasta Bally Batholith at 136 Ma. Dispersion increases upon bedding correction
2 Latest Guadalupian to earliest Djulfian

Additional sources: MANK= Mankinen et al. (1996)

TABLE 6.13 NICASIO

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Franciscan Volcanics[1]	Je(Ke?)	38N	123W	78	47	14.5	7.9	25	B/100	25.9	128.6	28.2N ?	9.2	9.2	(10.8)	(9.2)	1530
3	Franciscan Fm[2]	Ke-l	38N	122.5W	78	47	20	13.8	7,28	B/100	26	130	28.2N ?	11.5	17.8			3548

1 Valanginian age (probable error in D/B, age constraints conflict, age Ke?) Supersedes RESULTNO 3548
2 Age 140-80 Ma estimated

TABLE 6.14 SALINIA

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Pigeon Pnt Fm[1]	Kl	37.6N	122.5W	351.2	41.5	12.5	27.1	4,118	B/100	74.3	268.7	23.9N	20.2	33			297
3	Point San Pedro Fm	Tpa	37.2N	122.4W	281.3	-46.5	10.1	35.4	5,102	B/100	8.3	118.8	27.8N ?	21	32.6			298

1 Campanian to Maastrichtian

TABLE 6.15 STANLEY MOUNTAIN

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Coast Range Ophiolite[1]	Jm	35N	120W	41	-27		8	8,40	B/100	27	194	14.3	5	9			6639
3	Coast Range Ophiolite SM1[3]	Jl,ovp	35.1N	120.3W	10.6	20.9	36	5.8	1,19	B/100	63.8	215.5	10.8N	3.2	6.1			6900
3	Coast Range Ophiolite SM1[3,4]	Jl,ovp	35.1N	120W	46.1	20.4	138	5.7	1,6	B/100	41.6	168.6	10.5N	3.1	6			6901
3	Fish Creek Turbidites[2]	Kl	35N	120W	23	12		11	10,50	B/100	54	198.5	6.1N	6	11			6640

1 K/Ar ages 160±5 Ma. No change in dispersion upon bedding correction
2 Cenomanian to Santonian. Dispersion increases slightly upon bedding correction
3 Oxfordian to Tithonian. Remagnetized in earliest to middle Cretaceous
4 No change in dispersion upon bedding correction

TABLE 6.16 SAN NICOLAS

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Jalama Fm, San Miguel Island[1]	Kl	34N	120.4W	24	43.9	31.7	3.9	2,94	B/100	67.7	165	25.7N	3	4.9			347
4	Poso-Canada Fm, San Miguel Island[2]	Te	34.1N	120.4W	239.4	-31.8	33.1	21.8	3,109	B/100	34.7	151.5	17.2N	13.8	24.5			348

1 Turonian to Late Maastrichtian
2 Early to Middle Eocene

TABLE 6.17 SANTA ANA

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Bedford Canyon Fm	J	33.7N	117.7W	25.7	11		12.1	4,16	B/100	53.1	196.3	5.6N	6.2	12.3			1298
4	San Marcos Gabbro[3]	Ke	33.1N	117.1W	9.2	47.8	136.7	3.4	14,139	F/0	81.1	177.1	28.9N	3.8	3.8	(111.8	3.8)	446
2	S Californa Batholith[5]	Ke	33.5N	117W	3	49.5	48.5	5	18,110	F/0	85.5	202.5	30.4N	4.5	6.8			2340
4	El Rosario Fm[6]	Kl	31.4N	116.7W	5.3	44.6	28.8	2.5	6,131	B/100	83.1	200.6	26.3N	2	3.1			5996
3	Punta Baja and Rosario Fms[4]	Kl	30N	115.7W	3.5	44.5		8.2	17,68	B/100	85.1	204.6	26.2N	6.5	10.3			1297
4	Peninsular Ranges Batholith[1]	Kl	26.8N	112.4W	6.1	52.9	89.1	6.4	7,31	B/100	81.7	125.5	33.5N	8.3	8.3	(53.3)	(8.3)	445
3	Ladd and Williams Fms[2]	Kl	33.7N	117.7W	323.6	45.1	5.4	8.5	20,80	B/100	57.9	329.5	26.7N	5.4	8.5			6645
3	Point Loma Fm[8]	Kl	32.5N	117.5W	31.5	38	335.2	13.7	26,100	b/100	60	166	21.3N	9.6	16.2			6641
3	Silverado Fm	Tpa	33.7N	117.7W	334	43.2		8.8	4,16	B/100	65.9	318.5	25.2N	6.8	10.9			1299
3	Bateque Fm[7]	Te	28.6N	114.1W	162.5	-49.3	23	4.4	48,150	F/0	74.7	346.1	30.2N	3.9	5.8			6075

1 Isotopic ages 90-120 Ma
2 Turonian to Campanian age
3 K-Ar age 108-113 Ma
4 Campanian to Maastrichtian
5 K-Ar age 100 Ma, Rb-Sr age 121 Ma
6 Campanian
7 Early Eocene, flatlying sediments
8 Late Campanian to Early Maastrichtian

TABLE 6.18 VIZCAINO

CAMBRIAN - RECENT

	SITE					DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Valle Formation Pre-fold comp[1]	Ke-l	27.7N	114.8W	10.1	41.1	46.5	18.3	3,17	B/100	80.6	176.4	23.6N	15.5	15.5			447
4	Valle Formation overprint[2]	Ke-l	27.3N	115W	12.1	39.5	61.8	6.2	10,58	F/O	81.5	188.1	22.4N	4	4			448
3	Valle Group[4]	Ke-l	28.2N	115.2W	356	38	56	4	18,37	B/100	82.2	273.6	21.3N	2.7	4.7			7232
2	Valle Formation[3]	Kl	27.7N	114.5W	1.8	40.1	73.8	7.9	6	B/100	84.9	226.6	22.8N	5.7	9.5			1126

1 Albian to Santonian, pre-Miocene deformation. See also RESULTNO 1126
2 MAGAGE Cretaceous. Dispersion increases upon bedding correction
3 Cenomanian to Santonian
4 Albian to Turonian age

TABLE 6.19 GUERRERO

CAMBRIAN - RECENT

		SITE				DIRECTION						SOUTH POLE POSITION						
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
4	Volcanics and Iron Ores[4]	Kl	19.1N	103.4W	325.1	33.6		8.8	19,64	B/100	57	351.2	18.4N	7.8	7.8	(19.4)	(7.8)	6051
4	Puerto Vallarta Batholith[2]	Kl	20.4N	105.3W	350.4	40.5		7	14,90	F/0	80.7	2.7	23.1N	6.2	6.2	(41.4)	(6.2)	6049
3	Puerto Vallarta Intrus Cpl[1]	Kl	20.4N	105.5W	346.6	41.4	61.2	6.6	9,55	F/0	76.6	1.8	23.8N	6.6	6.6	(62.6)	(6.6)	886
4	Manzanillo Area Volcanics[3]	Kl-Te	19.4N	104.5W	336.9	35.2		10.2	14,97	F/0	68.2	349.5	19.4N	9.3	9.3	(19.2)	(9.3)	6050
4	Zihuatanejo Area Volcs[5]	Tpa-e	18.1N	101.8W	322	17.9		16.1	10,76	F/0	52.1	339.8	9.2N	12.7	12.7	(15.4)	(12.7)	6053

1 K/Ar ages 80.2, 81.6, 90.9, 80.5, 811.8, 78, 80.6, 93 Ma
2 Rb/Sr mean age 105 Ma, mineral Rb/Sr, K/Ar ages 80-100 Ma. See REFNO 1546 for details, See also RESULTNO 886 for previous results
3 Rb/Sr and K/Ar ages in the range 40-70 Ma
4 Campanian to Maastrichtian
5 K/Ar ages 35-65 Ma

TABLE 6.20 MAYA

CAMBRIAN - RECENT

SITE						DIRECTION						SOUTH POLE POSITION							
Acron /qual	Formation	Stratigr Age	Lat (°S)	Long (°E)	Decl (°)	Incl (°)	KD	ED95 (°)	N,sa	Frame (%co)	Lat (°S)	Long (°E)	Palat (°S)	DP (°)	DM (°)	KP	EP95 (°)	REF
3	Grupera & Pasa Honda Fms[1]	Pe	15.5N	92.5W	177.3	1	48	13.4	4,59	B/100	73.9	277.2	0.5	6.7	13.4			1351
4	Chiapas Batholith C[3]	Pe-l	16.2N	93.5W	261.3	-9	10	15	12,55	F/O	13.4N	356.1	4.5N?	11.4	11.4	(15.4)	(11.4)	6887
4	Chiapas Batholith B[3,4]	Pe-l, ovp	16.2N	93.5W	176.5	-7	153	5.4	6,22	F/O	77.4	277.4	3.5N	4.1	4.1	(269.2	4.1)	6888
4	Todos Santos Fm Matias Romero[5]	Trl-Jl	16.2N	94W	293.7	2.7	34	15.8	4,15	B/100	22.6	350.6	1.4?	12.3	12.3	(56.8)	(12.3)	6889
4	Todos Santos Fm Motozintla	Trl-Jl	15.6N	92.2W	187.7	-4.8	19	28.8	3,12	B/100	75	236.6	2.4N	25.9	25.9	(23.7)	(25.9)	6890
3	San Ricardo Fm[2]	Jl-Ke	16.8N	93.7W	340.3	19.9	25.4	3	,89	B/100	69.8	340	10.3N	1.7	3.2			6017

1 Wolfcampian (Grupera Fm), Leonardian (Pasa Honda Fm)
2 Tithonian to Lower Neocomian
3 R/Sr isochron 256±10 Ma, K/Ar ages, 141,174 Ma
4 B component magnetization related to K/Ar ages
5 Early Cretaceous folding

Table 7: Time intervals (Ma) for mean pole calculation

Early Cambrian	C1	545-509		
Middle Cambrian	C2	509-498		
Late Cambrian	C3	508-490		
Tremadoc-Arenig	O1	490-465		
Llanvirn (Llandeilo)	O2	465-459		
Caradoc-Ashgill	O3	459-434		
Llandovery	S1	434-425	S1-2	434-420
Wenlock	S2	425-420		
Ludlow	S3	420-414	S3-4	420-410
Pridoli	S4	414-410		
Early Devonian	D1	410-384		
Middle Devonian	D2	384-369		
Late Devonian	D3	369-354		
Early Carboniferous	C1	354-314		
Late Carboniferous	C2	314-298		
Tournaisian/Visean		354-325		
Namurian-Stephanian		325-298		
Tournaisian		354-344		
Visean		344-325		
Namurian		325-313		
Pennsylvanian		314-298		
Early Permian	P1	298-270		
Late Permian	P2	270-251		
Early Triassic	Tr1	251-241		
Middle Triassic	Tr2	241-230		
Late Triassic	Tr3	230-205		
Early Jurassic	J1	205-184		
Middle Jurassic	J2	184-159		
Late Jurassic	J3	159-141		
Early Cretaceous	K1	141-97.5		
Late Cretaceous	K2	97.5-65		
Neocomian		141-123		
Gallic?		123-89		
Senonian		89-65		
Palaeogene		65-24		
Neogene		24-0		
Palaeocene		65-55		
Eocene		55-34		
Oligocene		34-24		
Miocene		24-5		
Pliocene		5-0		

Table 8: Common Sites for palaeomagnetic data listed in Tables 1-6

1.1	Australia	CANBERRA	149.1E,35.3S
1.2	Australia - mean poles	CANBERRA	149.1E,35.3S
1.3	Australia/New England/Tamworth Belt	ARMIDALE	151.7E,30.5S
1.4	India/Nepal	DELHI	77.2E,28.7N
1.5	Pakistan	DELHI	77.2E,28.7N
1.6	India/Nepal/Pakistan - mean poles	DELHI	77.2E,28.7N
1.7	New Zealand	WELLINGTON	174.8E,41.3S
2.1	Siberian Platform	MIRNYY	114.0E,62.5N
2.2	Siberia - mean poles	MIRNYY	114.0E,62.5N
3.1	North China	BEIJING	116.5E,39.9N
3.2	North China mean poles (Zhao/Enkin)	BEIJING	116.5E,39.9N
3.3	Mongolia	ULAN BATOR	106.9E,47.9N
3.4	Korea	SEOUL	127.0E,37.5N
3.5	Alashan/Hexi corridor mn poles (Zhao)	LAN-CHOU	103.8E,36.0N
3.6	South China	CANTON	113.3E,23.1N
3.7	South China mean poles (Zhao/Enkin)	CANTON	113.3E,23.1N
3.8	Indochina	PHNOM PENH	104.9E,11.6N
4.1	Altai-Sayan	NOVOKUZNETSK	87.2E,53.7N
4.2	Kazakhstan	ARAL'SK	61.7E,46.9N
4.3	Junggar	URUMCHI	87.6E,43.8N
4.4	Tarim	AKSU	80.3E,41.2N
4.5	Tarim/Junggar mean poles (Zhao-Enkin)	AKSU	80.3E,41.2N
4.6	Ferghana	FERGHANA	71.3E,40.4N
4.7	Shan-Thai-Malay	CHIANG MAI	99.0E,18.8N
4.8	Qiangtang	YAGMO	89.8E,32.8N
4.9	Lhasa	LHASA	91.2E,29.7N
4.10	Amur	KHABAROVSK	131.9E,43.1N
4.11	Turan	ASHKHABAD	58.4E,38.0N
4.12	Iran	YAZD	54.4E,31.9N
4.13	Afghanistan	KABUL	69.2E,34.5N
4.14	Kunlun	AKSU	80.3E,41.2N
4.15	Alay	GARM	70.4E,39.1N
5.1	Taimyr	KHATANGA	102.5E,72.0N
5.2	Kolyma	ZYRYANKA	150.8E,65.7N
5.3	Khatyrka/Maynitska	KHATYRKA	175.3E,62.1N
5.4	Barentz-Pechoria	PECHORA	57.3E,65.2N
5.5	Komandori	NIKOLSKAYA	166.1E,55.2N
6.1	Wrangell	McCARTHY	143.0W,61.4N
6.2	Stikine	HAZELTON	127.6W,55.3N
6.3	Alexander	PETERSBURG	133.0W,56.8N
6.4	Quesnell	KAMLOOP	120.4W,50.6N
6.5	Cache Creek	JAKES CORNER	134.0W,60.3n
6.6	Peninsula	ANCHORAGE	150.0W,61.2N
6.7	Porcupine	FORT YUKON	145.3W,66.6N
6.8	Eastern Klamath	KLAMATH FALLS	121.8W,42.2N
6.9	Chugagh-Prince William	CORDOVA	145.7W,60.5N
6.10	Crescent	VICTORIA	123.4W,48.4N
6.11	Decatur	SEATTLE	122.3W,47.6N
6.12	Guerrero	MANZANILLO	104.3W,19.0N
6.13	Maya	TONALA	93.7W,16.1N
6.14	Nicasio	SAN FRANCISCO	122.4W,37.8N
6.15	Salinia	SANTA CRUZ	122.1W,37.0N
6.16	San Nicolas	SANTA BARBARA	119.7W,34.4N
6.17	Santa Ana	SAN DIEGO	117.2W,32.8N
6.18	Slide Mountain	WATSON LAKE	128.8W,60.1N
6.19	Stanley Mountain	SANTA MARIA	120.4W,35.0N
6.20	Vizcaino	SAN DIEGO	117.2W,32.7N

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