Table summarizing paleostress analysis results for the studied sites at the VGKNFS.

| | Software: | | | | Win_Tensor[o] | | | T-Tecto[p] | | | | FaultKin[q] | | | SG2PS[r] | | | S_{Hmax}[x] $/S_{hmin}$[y] | R[z] | Stress regime |
| Method: | | | | | RDM[s] | | | RDM | | | | Linked Bingham statistics | | | Methodology of Angelier (1990) | | | | | |
Site no.	Fault	SOS[i]	Lithology	nt[n]	σ_1[t]	σ_2[u]	σ_3[v]	σ_1	σ_2	σ_3	D[w]	σ_1	σ_2	σ_3	σ_1	σ_2	σ_3			
SECTOR 1 (Total number of sites investigated: 14, Sites included in fault-slip analysis: 08, Sites exposing non-striated faults: 06)																				
33	GUF[a]	N[j]	Bhuj sst[l]	19	006∠72	154∠16	247∠09	003∠76	225∠11	133∠09	0.1	013∠71	155∠15	248∠11	214∠67	315∠04	047∠22	*071*	0.52	PE[*]
14	UF[b]	R[k]	Bhuj sst	15	265∠27	000∠10	108∠61	290∠33	021∠02	113∠56	0.2	280∠26	185∠10	076∠62	206∠13	302∠24	091∠62	074	2.19	TP[$]
15	UF	R	Bhuj sst	43	303∠23	212∠02	118∠67	281∠13	012∠02	110∠77	0.8	298∠30	031∠06	131∠60	320∠18	227∠09	112∠69	124	2.53	PC[∞]
16	VF[c]	R	Jhuran sst[m]	20	226∠26	326∠19	088∠56	261∠44	154∠17	048∠41	0.2	256∠30	157∠15	044∠56	199∠08	292∠21	090∠67	024	2.03	TP
74	UF	N	Jhuran sst	09	102∠71	208∠05	300∠18	270∠86	098∠04	008∠01	0.1	107∠70	212∠05	304∠19	090∠74	198∠05	289∠15	*126*	0.62	PE
71	UF	N	Bhuj sst	09	316∠60	212∠08	118∠29	307∠44	209∠08	111∠44	0.7	317∠61	212∠08	117∠28	314∠69	180∠15	086∠14	*108*	0.85	TT[@]
73	UF	N	Jhuran sst	06	113∠65	022∠01	292∠25	151∠75	026∠09	294∠12	0.1	129∠65	024∠07	291∠24	113∠74	001∠06	269∠15	*105*	0.74	PE
91	UF	N	Bhuj sst	08	129∠62	028∠06	295∠27	151∠75	026∠09	294∠12	0.1	320∠24	035∠07	141∠65	138∠73	019∠09	286∠15	*115*	0.66	PE
SECTOR 2 (Total number of sites investigated: 28, Sites included in fault-slip analysis: 21, Sites exposing non-striated faults: 07)																				
44	VF	N	Jhuran sst	08	055∠73	172∠08	264∠15	270∠86	062∠03	152∠02	0.1	061∠70	163∠04	255∠20	070∠75	176∠04	267∠15	*079*	0.52	PE

18	VF	N	Jhuran sst	81	066∠58	165∠06	259∠32	076∠76	179∠03	270∠14	0.2	070∠61	171∠06	264∠28	081∠72	188∠06	280∠17	*091*	0.68	PE
17	VF	N	Jhuran sst	50	075∠68	169∠02	260∠22	076∠76	179∠03	270∠14	0.2	64∠71	165∠05	261∠19	085∠73	191∠05	283∠16	*083*	0.48	PE
22	VF	N	Jhuran sst	13	267∠67	176∠00	086∠23	272∠86	005∠00	095∠04	0.2	259∠71	356∠02	087∠18	260∠65	083∠24	352∠01	*082*	0.58	PE
23	VF	N	Jhuran sst	14	251∠57	343∠01	073∠33	276∠55	185∠01	094∠35	0.5	253∠56	162∠01	071∠34	246∠69	145∠04	053∠21	*067*	1.11	TT
45	VF	N	Jhuran sst	06	251∠55	343∠02	075∠35	300∠76	198∠03	108∠14	0.1	250∠55	343∠02	075∠35	260∠70	359∠03	090∠20	*081*	1.10	TT
30	VF	N	Jhuran sst	13	270∠60	162∠10	067∠28	277∠55	185∠01	094∠35	0.7	268∠60	165∠07	071∠29	265∠68	110∠21	017∠09	*063*	0.88	TT
24	VF	R	Jhuran sst	21	247∠16	343∠17	117∠66	113∠02	204∠12	014∠78	0.9	277∠19	182∠16	054∠65	228∠08	321∠15	112∠73	061	2.33	PC
20	GUF	R	Bhuj sst	15	272∠17	181∠04	079∠73	248∠02	157∠12	347∠78	0.8	267∠11	176∠05	062∠78	307∠20	215∠04	115∠70	094	2.46	PC
19	GUF	R	Bhuj sst	41	244∠10	337∠20	127∠67	101∠02	191∠02	326∠87	0.9	261∠16	170∠06	060∠73	242∠12	334∠07	093∠76	060	2.46	PC
21	GUF	R	Bhuj sst	11	257∠37	166∠01	074∠52	261∠65	003∠05	095∠24	0.1	259∠40	352∠03	086∠50	257∠62	160∠03	068∠27	081	1.69	PS[#]
04	GUF	R	Bhuj sst	29	230∠10	139∠04	025∠79	113∠02	023∠02	247∠87	0.9	235∠11	144∠06	025∠78	214∠11	305∠03	050∠79	051	2.52	PC
05	GUF	R	Bhuj sst	26	230∠23	139∠01	047∠67	239∠13	149∠02	050∠77	0.7	240∠19	149∠03	050∠70	202∠16	294∠10	055∠71	051	2.46	PC
06	GUF	R	Bhuj sst	17	251∠29	160∠01	068∠61	295∠13	026∠02	124∠77	0.9	250∠26	341∠04	079∠63	209∠18	302∠09	057∠69	072	2.24	TP
58	GUF	R	Bhuj sst	07	274∠09	183∠03	077∠80	321∠02	231∠02	098∠87	0.9	258∠10	167∠02	064∠79	250∠09	340∠02	079∠81	176	2.48	PC
07	GUF	R	Bhuj sst	24	226∠12	136∠02	036∠78	228∠23	319∠2	053∠67	0.7	233∠16	142∠04	038∠73	219∠13	310∠04	058∠76	047	2.50	PC
08	GUF	R	Bhuj sst	42	227∠26	319∠05	059∠64	166∠00	256∠12	075∠78	1.0	236∠32	142∠06	043∠58	187∠14	281∠17	059∠67	043	2.23	TP

76	UF	N	Bhuj sst	06	163∠68	258∠02	349∠22	219∠65	118∠05	026∠25	0.2	187∠66	088∠04	357∠23	175∠72	053∠10	321∠15	*166*	0.49	PE
75	UF	N	Bhuj sst	06	113∠71	203∠00	293∠19	152∠76	325∠14	055∠02	0.0	129∠68	022∠07	289∠20	133∠73	002∠11	270∠13	*104*	0.64	PE
09	UF	N	Bhuj sst	12	114∠60	242∠20	341∠22	120∠44	227∠17	333∠41	0.9	126∠64	239∠11	334∠23	139∠73	250∠06	342∠15	*160*	0.67	PE
100	J[g]	-	Jhuran sst	21	091∠81	200∠03	290∠09	003∠76	184∠14	094∠00	0.1	-	-	-	-	-	-	*281*	0.99	TT

SECTOR 3 (Total number of sites investigated: 43, Sites included in fault-slip analysis: 29, Sites exposing non-striated faults: 14)

01	GUF	R	Bhuj sst	22	248∠26	151∠15	034∠59	248∠02	157∠12	347∠78	0.8	235∠25	142∠06	038∠64	304∠13	211∠13	078∠71	080	2.59	PC
02	GUF	R	Bhuj sst	18	223∠18	313∠00	044∠72	114∠17	023∠05	277∠73	1.0	250∠16	157∠10	037∠71	216∠12	309∠13	084∠72	043	2.50	PC
53	GUF	R	Bhuj sst	05	227∠20	320∠08	070∠68	253∠13	344∠02	082∠77	0.7	236∠22	145∠04	046∠68	200∠16	292∠07	044∠72	043	2.33	PC
67	GUF	R	Bhuj sst	15	036∠05	126∠03	242∠84	293∠23	024∠02	118∠67	0.5	030∠04	121∠05	265∠83	038∠09	308∠02	203∠81	036	2.51	PC
27	VF	R	Bhuj sst	21	210∠24	306∠12	061∠63	251∠34	129∠38	008∠34	0.2	248∠24	144∠29	011∠51	173∠02	264∠27	078∠63	020	2.31	PC
28	VF	R	Bhuj sst	12	215∠07	123∠17	326∠72	281∠13	012∠02	110∠77	1.0	191∠07	283∠15	075∠74	213∠09	121∠13	335∠74	038	2.52	PC
87	VF	R	Bhuj sst	06	210∠29	304∠06	045∠60	150∠02	240∠02	015∠87	0.9	223∠32	130∠04	033∠58	222∠19	314∠05	058∠70	024	1.93	TP
36	VF	R	Bhuj sst	30	240∠27	149∠00	059∠63	251∠33	348∠10	092∠55	0.3	242∠26	333∠02	067∠64	180∠13	274∠17	055∠69	061	2.27	PC
37	VF	R	Bhuj sst	15	248∠10	156∠13	016∠74	275∠13	185∠01	092∠77	1.0	241∠07	332∠05	101∠81	239∠09	148∠08	018∠78	070	2.50	PC
35	WVF[d]	R	Bhuj sst	17	226∠20	129∠18	000∠63	180∠23	085∠11	331∠65	0.9	266∠15	169∠24	025∠61	015∠00	285∠22	105∠68	046	2.31	PC
34	WVF	R	Bhuj sst	43	234∠22	327∠08	077∠66	267∠13	174∠12	043∠73	0.8	256∠22	161∠12	045∠65	208∠12	301∠14	080∠72	048	2.36	PC

77	SDB[h]	N	Bhuj sst	06	233∠56	058∠34	326∠02	226∠76	339∠06	071∠13	0.9	231∠51	050∠39	140∠00	242∠75	064∠15	334∠00	*140*	0.79	TT
62	UF	N	Bhuj sst	06	333∠70	072∠03	163∠20	302∠76	054∠5	145∠13	0.1	325∠66	068∠06	161∠23	317∠74	069∠06	160∠15	*165*	0.72	PE
12	UF	R	Bhuj sst	18	041∠16	134∠10	255∠71	016∠13	286∠02	188∠77	0.9	038∠15	130∠06	240∠74	046∠14	137∠05	247∠75	037	2.44	PC
03	UF	R	Bhuj sst	33	057∠13	147∠01	241∠77	113∠02	204∠12	014∠78	0.8	052∠08	143∠07	273∠79	037∠13	128∠04	234∠77	057	2.49	PC
48	UF	N	Bhuj sst	07	179∠64	086∠01	356∠26	143∠44	052∠01	320∠46	0.7	176∠64	266∠00	356∠26	163∠69	053∠07	320∠19	*177*	0.50	PE
32	UF	N	Bhuj sst	08	157∠54	260∠09	357∠35	124∠54	224∠07	319∠35	0.3	159∠53	263∠11	000∠35	121∠29	217∠11	325∠29	*016*	1.19	TT
10	UF	R	Bhuj sst	16	192∠14	101∠01	007∠76	260∠02	170∠02	035∠87	0.9	196∠17	105∠04	003∠73	181∠13	272∠03	013∠77	012	2.48	PC
31	UF	R	Bhuj sst	12	067∠16	159∠07	270∠73	039∠02	309∠12	139∠78	0.9	067∠16	158∠05	264∠73	119∠19	028∠02	291∠71	065	2.35	PC
51	UF	N	Bhuj sst	06	144∠69	021∠12	287∠17	270∠86	134∠03	044∠03	0.1	134∠69	025∠07	292∠19	123∠73	002∠09	269∠15	*109*	0.49	PE
50	UF	N	Bhuj sst	08	121∠69	029∠01	298∠21	000∠86	188∠04	098∠01	0.2	135∠67	031∠06	298∠22	076∠73	186∠06	278∠16	*114*	0.53	PE
49	UF	N	Bhuj sst	11	126∠64	026∠05	294∠25	124∠54	024∠07	290∠35	0.6	129∠63	026∠06	293∠26	128∠73	018∠06	286∠16	*107*	0.67	PE
25	UF	N	Bhuj sst	15	124∠72	027∠02	296∠18	000∠86	152∠03	242∠02	0.1	124∠71	027∠02	296∠19	113∠74	355∠08	263∠14	*116*	0.63	PE
26	UF	N	Bhuj sst	16	136∠72	028∠06	296∠17	131∠65	031∠05	299∠25	0.4	134∠72	026∠06	294∠17	124∠75	010∠06	278∠14	*112*	0.57	PE
11	UF	N	Bhuj sst	36	111∠65	211∠05	303∠25	078∠75	202∠08	294∠12	0.2	099∠66	206∠08	300∠23	112∠70	240∠13	334∠15	*125*	0.61	PE
29	UF	N	Bhuj sst	09	100∠68	208∠07	300∠21	077∠76	179∠03	270∠14	0.1	102∠66	204∠05	297∠23	101∠72	205∠04	296∠17	*120*	0.61	PE
61	UF	N	Bhuj sst	13	066∠75	198∠10	290∠11	078∠75	214∠11	306∠10	0.2	075∠74	205∠11	298∠12	066∠75	203∠11	295∠10	*119*	0.54	PE

60	UF	N	Bhuj sst	07	346∠73	117∠11	210∠13	002∠65	094∠01	184∠25	0.3	357∠77	115∠06	206∠12	006∠74	112∠04	203∠16	*027*	0.53	PE
38	UF	R	Bhuj sst	12	171∠18	080∠04	338∠72	113∠02	023∠02	247∠87	0.9	176∠15	086∠03	345∠75	150∠15	241∠05	349∠74	174	2.45	PC
			SECTOR 4 (Total number of sites investigated: 15, Sites included in fault-slip analysis: 08, Sites exposing non-striated faults: 07)																	
39	GUF	R	Bhuj sst	32	256∠22	347∠02	081∠68	267∠13	358∠02	096∠77	0.7	264∠25	354∠01	087∠64	064∠22	330∠10	217∠66	073	2.45	PC
41	GUF	R	Bhuj sst	16	243∠24	152∠02	057∠66	032∠02	302∠02	170∠87	1.0	238∠25	329∠02	063∠64	248∠18	157∠03	057∠72	065	2.20	TP
40	GUF	R	Bhuj sst	14	246∠21	154∠05	052∠68	032∠02	122∠02	260∠87	1.0	246∠26	155∠02	060∠64	240∠18	331∠02	067∠72	074	2.45	PC
56	UF	N	Bhuj sst	10	026∠62	129∠07	223∠27	276∠86	063∠03	153∠22	0.0	025∠58	123∠05	216∠31	020∠70	116∠02	207∠20	*041*	0.90	TT
57	KF[e]	R	Bhuj sst	06	072∠20	342∠01	248∠70	199∠12	108∠02	010∠77	1.0	055∠21	149∠10	263∠66	085∠14	353∠10	227∠73	074	2.43	PC
42	KF	R	Bhuj sst	24	069∠22	335∠08	226∠66	008∠01	098∠12	275∠78	1.0	059∠17	151∠08	264∠71	075∠15	343∠07	228∠73	076	2.51	PC
68	NF[f]	R	Bhuj sst	07	246∠33	338∠03	073∠57	227∠13	317∠02	056∠77	1.0	248∠30	157∠03	62∠59	245∠18	336∠03	075∠71	061	2.09	TP
89	NF	R	Bhuj sst	06	252∠27	162∠00	072∠63	272∠02	002∠02	138∠87	0.9	255∠25	164∠02	069∠64	253∠18	344∠03	083∠72	072	2.35	PC

Note. [a]Gugriana Fault. [b]Unnamed Fault. [c]Vigodi Fault. [d]West Vigodi Fault. [e]Khirasra Fault. [f]Netra Fault. [g]Joints. [h]Slipped Deformation Band. [i]Sense of Slip (inferred from field observations). [j]Normal dip-slip. [k]Reverse dip-slip. [l]Bhuj sandstone. [m]Jhuran sandstone. [n]Number of collected fault-slip data. [o]Win_Tensor (v.5.8.8) (Delvaux and Sperner, 2003). [p]T-Tecto studio X5 (Zalohar and Vrabec, 2007). [q]FaultKin (v.8.0) (Marrett and Allmendinger, 1990, Allmendinger et al., 2012). [r]SG2PS (Sasvári and Baharev, 2014). [s]Right Dihedral Method (Angelier and Mechler, 1977). [t, u, v]Trend and plunge of maximum (σ_1), intermediate (σ_2) and minimum (σ_3) principal stress axes respectively (in degrees with respect to north geographical direction) ($\sigma_1 \geq \sigma_2 \geq \sigma_3$). [w]Parameter D of T-Tecto: similar to stress ratio (R) defined by Delvaux et al. (1997). [x, y]Orientation of maximum and minimum horizontal principal stress (in degrees with respect to north geographical direction, obtained from Win_Tensor software) in respective areas of reverse and normal faulting stress regime. [z]Stress regime index (Delvaux et al., 1997). [*]Pure Extensive (Delvaux et al., 1997). [$]Transpressive (Delvaux et al., 1997). [∞]Pure Compressive (Delvaux et al., 1997). [@]Transtensive (Delvaux et al., 1997). [#]Pure Strike-Slip (Delvaux et al., 1997).