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Supplement of

Resolved stress analysis, failure mode, and fault-controlled fluid conduits

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Table S1. Fault measurement data for the Big Indigo, Spanish Goat, and Textbook faults. Note that n.a. = not available.

Strike	Dip	Rake	Displacement (cm)	Feature
Big Indigo Fault				
192	65	140	68	Slickenlines
195	55	80	53	Slickenlines
197	78	90	569	none
200	70	96	534	Slickenlines
203	65	90	534	none
203	69	90	55	none
203	75	122	613	Slickenlines
205	63	90	60	none
205	66	92	45	Slickenlines
205	74	90	563	none
206	62	98	548	Slickenlines
207	45	90	53	none
210	72	105	610	Slickenlines
210	74	100	636	Slickenlines
212	76	120	621	Slickenlines
213	56	98	583	Slickenlines
213	60	90	578	Slickenlines
213	74	90	621	none
214	62	88	569	none
214	72	90	548	none
214	75	90	636	Slickenlines
215	60	93	60	Slickenlines
215	70	88	55	Slickenlines
215	74	90	32	none
215	81	97	575	Slickenlines
216	62	96	578	Slickenlines
216	65	95	68	Slickenlines
217	62	90	61	none
218	50	90	60	Slickenlines
218	80	90	610	Calcite cement
219	54	90	60	Slickenlines
219	65	88	32	Slickenlines
220	71	90	613	none
221	42	93	60	Slickenlines
221	42	93	61	Slickenlines
221	52	96	63	Slickenlines
223	57	86	583	Slickenlines
223	60	117	63	Slickenlines
225	61	90	575	Slickenlines
225	61	96	60	Slickenlines

Strike	Dip	Rake	Displacement (cm)	Feature
228	63	90	45	Slickenlines
Spanish Goat Fault				
0	46	80	42	Slickenlines
0	50	91	15	Slickenlines
2	49	108	31	Slickenlines
2	52	84	31	Slickenlines
4	48	90	48	Slickenlines
5	44	82	52	Slickenlines
6	49	90	31	Slickenlines
7	46	90	42.5	Slickenlines
8	36	74	39	Slickenlines
10	46	90	24	Slickenlines
10	48	95	39	Slickenlines
10	53	84	42.5	Slickenlines
10	90	n.a.	n.a.	Calcite cement
10	90	n.a.	n.a.	Calcite cement
15	47	88	25	Slickenlines
15	55	102	32	Slickenlines
16	50	83	39	Slickenlines
18	46	78	23	Slickenlines
19	41	88	30	Slickenlines
20	45	88	23	Slickenlines
24	43	88	32	Slickenlines
24	51	90	32	Slickenlines
25	45	85	30	Slickenlines
25	49	90	48	Slickenlines
25	51	85	24	Slickenlines
28	46	90	19	Slickenlines
326	60	77	23	Slickenlines
328	51	92	23	Slickenlines
342	47	98	19.5	Slickenlines
345	49	100	30	Slickenlines
345	50	87	25	Slickenlines
346	47	78	41	Slickenlines
346	52	79	41	Slickenlines
346	80	n.a.	n.a.	Calcite cement
347	54	82	52	Slickenlines
348	48	90	19.5	Slickenlines
349	38	83	25	Slickenlines
349	50	82	39	Slickenlines
349	52	83	38	Slickenlines
350	42	90	31	Slickenlines
350	57	85	29	Slickenlines
351	45	75	19	Slickenlines

Strike	Dip	Rake	Displacement (cm)	Feature
351	46	84	15	Slickenlines
351	58	84	29	Slickenlines
355	41	98	30	Slickenlines
356	60	86	38	Slickenlines
356	83	n.a.	n.a.	Calcite cement
Textbook Fault				
179	45	134	7.5	Slickenlines
179	90	n.a.	n.a.	Calcite cement
182	76	142	8	Slickenlines
182	89	n.a.	n.a.	Calcite cement
185	64	124	9	Slickenlines
185	80	n.a.	n.a.	Calcite cement
194	55	140	7	Slickenlines
196	36	134	9	Slickenlines
198	49	120	10.5	none
200	47	116	10	Slickenlines
203	30	128	1.5	none
204	73	138	8	none
205	43	128	0.8	Slickenlines
205	48	108	4	Slickenlines
205	89	n.a.	n.a.	Calcite cement
206	68	115	1.5	none
206	81	n.a.	n.a.	Calcite cement
208	48	132	2.5	Slickenlines
210	33	122	11	Slickenlines
210	40	122	12.5	Slickenlines
210	54	117	14	Slickenlines
210	55	124	4	Slickenlines
212	29	112	13	Slickenlines
212	37	144	10.5	Slickenlines
212	53	140	10	Slickenlines
212	79	n.a.	n.a.	Calcite cement
214	29	116	11	Slickenlines
214	31	132	3	Slickenlines
214	41	132	1.5	none
220	25	130	5.5	Slickenlines
220	37	150	8	Slickenlines
223	47	129	15	Slickenlines
223	79	n.a.	n.a.	Calcite cement
229	35	116	9	none
230	32	112	11	Slickenlines