**Table 1**. Stress tensors and stress orientation obtained from fault population analysis by Grid Search Method (Galindo-Zaldívar and Gonzalez-Lodeiro, 1988). Successive columns indicate: station name and their geographical coordinates (longitude and latitude); N, number of faults measured in each site; Phase, different stress state of each site. The number of the phase is related to the number of assigned faults in each phase without any chronological meaning; n, number of fault used for defining each phase; s1, s2 y s2, orientation of principal stress axes; R, stress ratio = (σ2- σ3)/(σ1- σ3).

| Site | Long | Lat | N | Phase | n | s1 | s2 | s3 | R |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SL1 | 3.210418 | 39.417993 | 18 | 1 | 12 | 125/80 | 343/8 | 252/6 | 0.36 |
| 2 | 6 | 39/40 | 219/50 | 129/0 | 0.4 |
| SL2 | 3.1580792 | 39.4410548 | 13 | 1 | 10 | 71/52 | 170/7 | 266/37 | 0.75 |
| SL3 | 3.2275809 | 39.4469889 | 19 | 1 | 13 | 42/68 | 140/3 | 231/22 | 0.61 |
| 2 | 7 | 176/38 | 84/2 | 351/52 | 0.76 |
| SL7 | 3.172338 | 39.396186 | 17 | 1 | 11 | 73/38 | 256/52 | 164/2 | 0.79 |
| 2 | 7 | 343/23 | 103/48 | 238/32 | 0.37 |
| SL9 | 3.164206 | 39.464175 | 14 | 1 | 11 | 14/74 | 276/2 | 186/16 | 0.49 |
| SL11 | 3.151647 | 39.388445 | 9 | 1 | 7 | 42/56 | 229/34 | 137/3 | 0.05 |
| SL12 | 3.190538 | 39.454233 | 11 | 1 | 4 | 215/77 | 343/8 | 74/10 | 0.06 |
| SL13 | 3.186562 | 39.43308 | 8 | 1 | 7 | 236/78 | 136/2 | 46/12 | 0.31 |
| SL14 | 3.182084 | 39.446015 | 14 | 1 | 10 | 277/56 | 145/24 | 45/22 | 0.72 |
| SL15 | 3.191788 | 39.419328 | 19 | 1 | 12 | 39/70 | 200/19 | 292/6 | 0.19 |
| 2 | 6 | 340/36 | 116/44 | 231/24 | 0.01 |
| SL16 | 3.231101 | 39.447547 | 19 | 1 | 13 | 338/74 | 188/14 | 96/8 | 0.13 |
| 2 | 8 | 73/56 | 341/1 | 250/34 | 0.14 |
| SL17 | 3.188088 | 39.414076 | 20 | 1 | 12 | 242/57 | 101/27 | 2/18 | 0.19 |
| 2 | 4 | 121/59 | 228/10 | 324/29 | 0.19 |
| SL18 | 3.172338 | 39.396186 | 17 | 1 | 10 | 73/38 | 256/52 | 164/2 | 0.79 |
| 2 | 7 | 350/31 | 115/44 | 240/30 | 0.25 |
| SL19 | 3.181043 | 39.468317 | 11 | 1 | 7 | 48/74 | 255/14 | 164/7 | 0.78 |
| 2 | 6 | 107/54 | 316/33 | 217/14 | 0.48 |
| SL20 | 3.2290541 | 39.5438878 | 25 | 1 | 15 | 204/67 | 101/6 | 9/22 | 0.25 |
| 2 | 8 | 7/34 | 250/34 | 129/38 | 0.24 |
| 3 | 9 | 161/38 | 36/36 | 280/31 | 0.48 |
| SL21 | 3.242382 | 39.5401823 | 29 | 1 | 22 | 252/74 | 186/16 | 95/4 | 0.14 |
| SL22 | 3.1973199 | 39.5400439 | 14 | 1 | 8 | 3/56 | 130/22 | 231/25 | 0.26 |
| 2 | 6 | 219/38 | 114/19 | 3/46 | 0.11 |
| SL23 | 3.2109706 | 39.5236949 | 13 | 1 | 11 | 132/79 | 244/4 | 335/10 | 0.09 |
| SL24 | 3.2443092 | 39.5817774 | 33 | 1 | 18 | 161/87 | 296/2 | 26/2 | 0.55 |
| 2 | 12 | 336/56 | 221/16 | 122/29 | 0.33 |
| 3 | 10 | 269/40 | 124/45 | 15/18 | 0.68 |
| SL25 | 3.154895 | 39.5832976 | 24 | 1 | 14 | 239/64 | 95/21 | 360/14 | 0.55 |
| 2 | 9 | 159/51 | 56/10 | 318/37 | 0.23 |
| SL26 | 3.2257909 | 39.4869028 | 8 | 1 | 8 | 294/57 | 47/14 | 145/29 | 0.73 |
| SL27 | 3.2497111 | 39.4799626 | 25 | 1 | 15 | 105/62 | 244/22 | 341/17 | 0.36 |
| 2 | 8 | 63/78 | 223/11 | 313/4 | 0.11 |
| SL28 | 3.2524711 | 39.4932762 | 21 | 1 | 18 | 48/74 | 245/15 | 154/4 | 0.4 |
| SL-29 | 3.18696111 | 39.4347139 | 14 | 1 | 12 | 136/38 | 348/47 | 239/16 | 0.93 |
| SL-30 | 3.475378 | 39.714012 | 4 | 1 | 4 | 54/2 | 324/2 | 189/87 | 0.77 |
| SL31 | 3.281447 | 39.6025116 | 25 | 1 | 13 | 262/84 | 352/0 | 82/6 | 0.65 |
| 2 | 8 | 268/51 | 170/6 | 75/38 | 0.36 |
| 3 | 8 | 31/56 | 145/15 | 244/30 | 0.31 |
| SL32 | 3.2785509 | 39.6059065 | 12 | 1 | 8 | 126/50 | 310/40 | 218/2 | 0.35 |
| 2 | 4 | 261/53 | 147/17 | 46/32 | 0.29 |
| SL33 | 3.2765473 | 39.6027547 | 34 | 1 | 20 | 77/82 | 345/0 | 255/8 | 0.16 |
| 2 | 9 | 108/42 | 319/44 | 213/16 | 0.56 |
| 3 | 11 | 33/87 | 198/2 | 108/2 | 0.58 |
| SL34 | 3.1868972 | 39.4348498 | 25 | 1 | 12 | 116/82 | 310/8 | 220/2 | 0.53 |
| 2 | 10 | 186/54 | 50/28 | 308/21 | 0.77 |
| 3 | 7 | 177/45 | 296/26 | 45/34 | 0.4 |
| SL36 | 3.2023 | 39.5314 | 13 | 1 | 9 | 22/0 | 292/80 | 112/10 | 0.74 |
| 2 | 6 | 258/74 | 2/4 | 93/16 | 0.54 |
| CP\_Normal | 3.476 | 39.712 | 15 | 1 | 12 | 11/80 | 234/7 | 143/7 | 0.2 |
| CP\_Strike-S | 3.476 | 39.712 | 11 | 1 | 8 | 66/0 | 156/78 | 336/12 | 0.2 |
| CP\_Reverse | 3.476 | 39.712 | 17 | 1 | 14 | 129/10 | 38/4 | 286/79 | 0.05 |