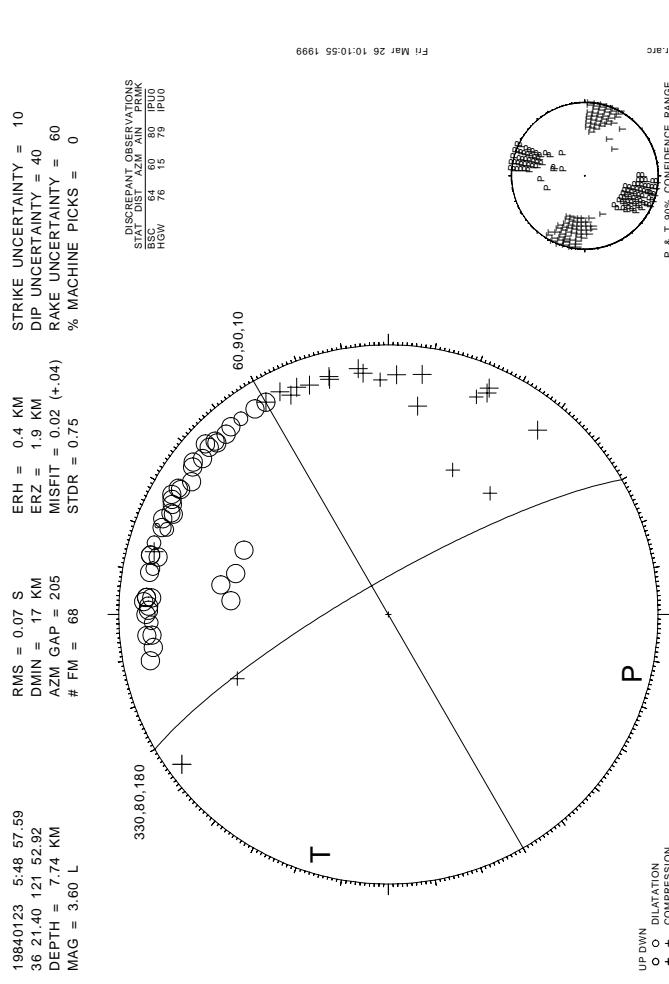
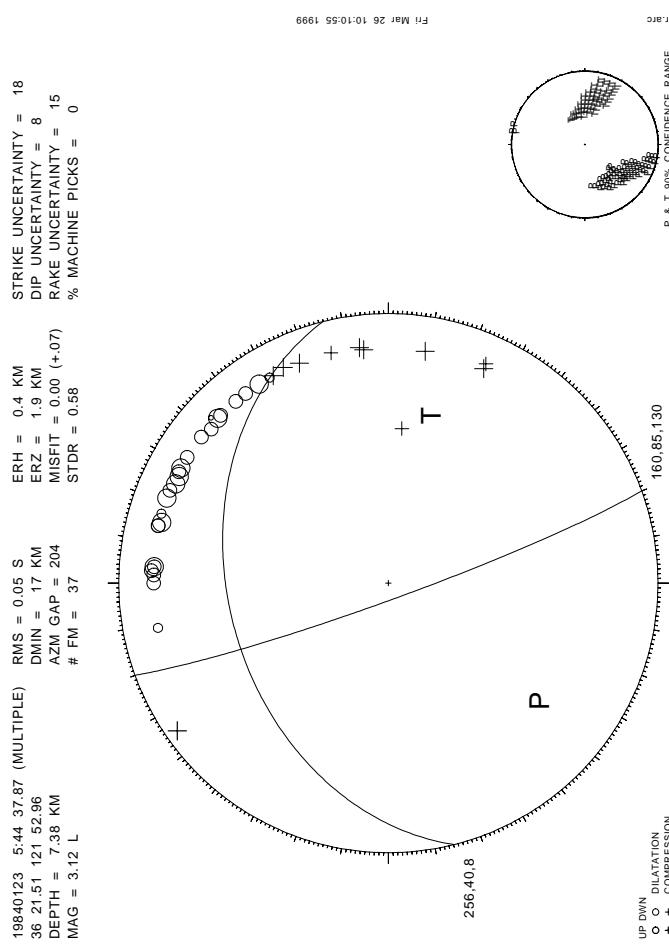
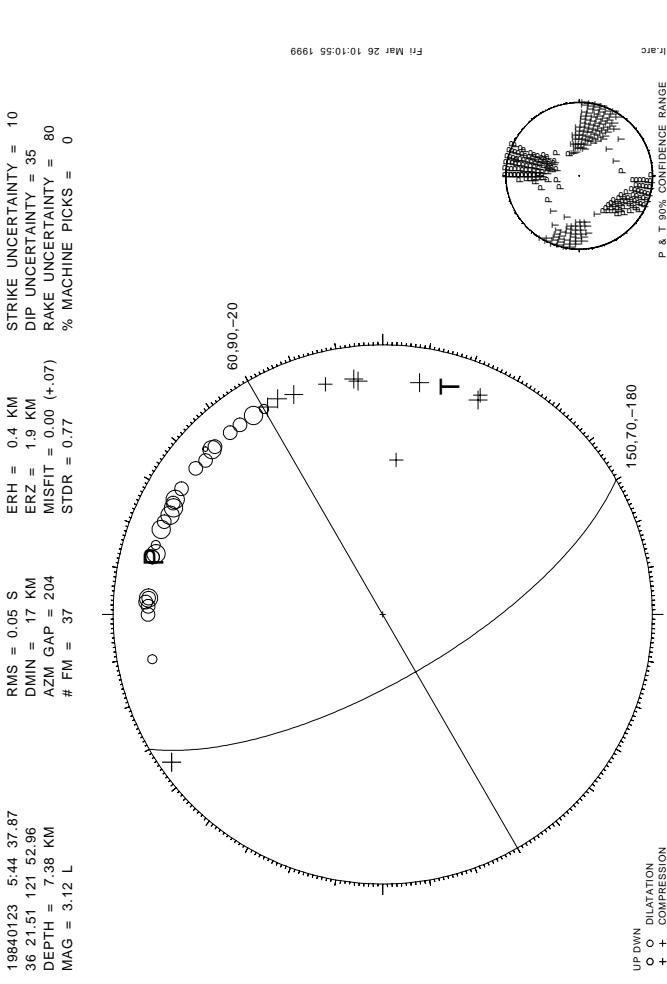
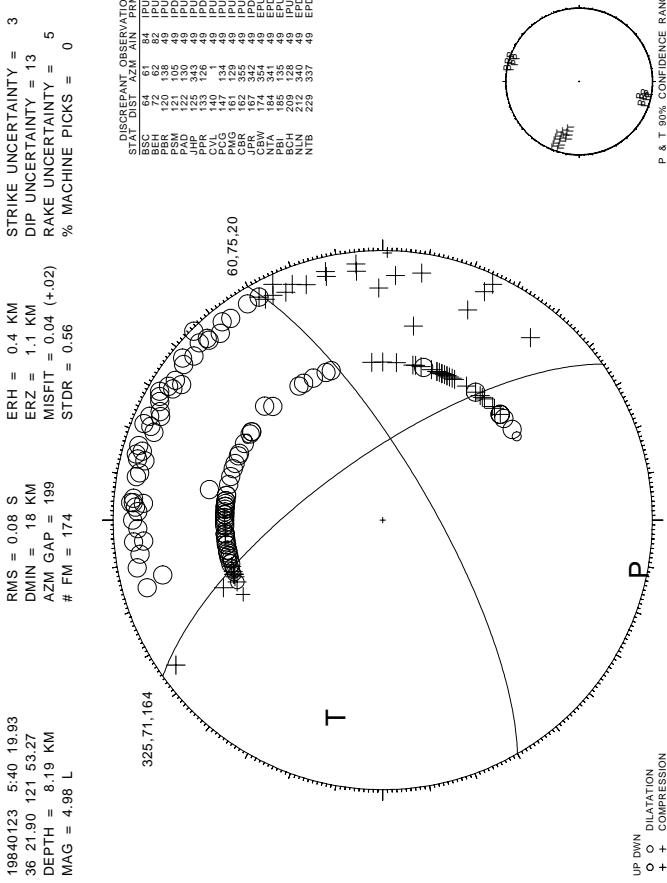


Appendix 2—Location and fault-plane solutions for selected earthquakes in the Carmel/Big Sur area occurring between October 10, 1967 and March 15, 1999 shown on fault map (plate 1)

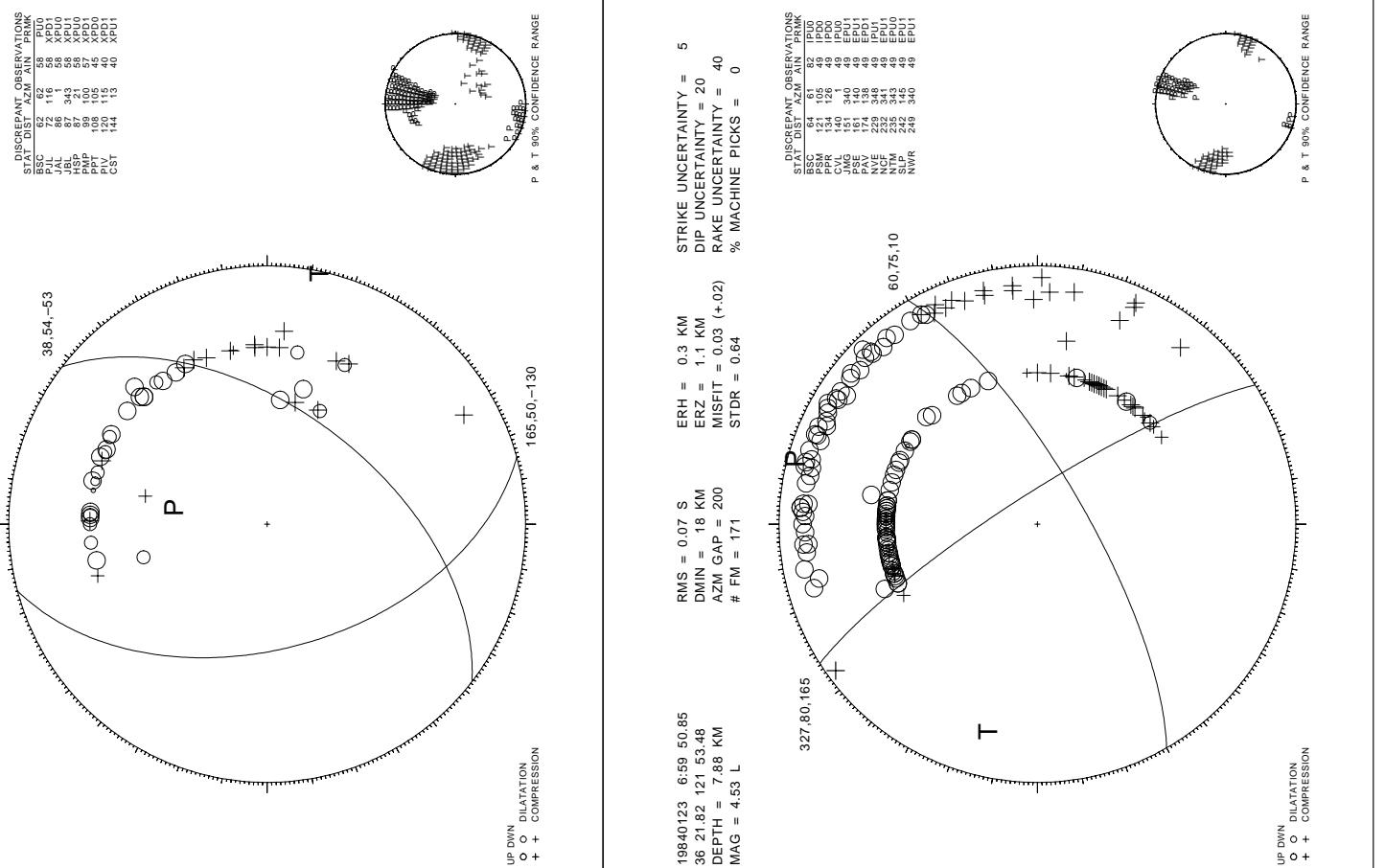


19840123 6:42 30.61
 36 22.93 121 52.52
 DEPTH = 3.50 KM
 MAG = 2.40 C

RMS = 0.07 S
 DMN = 19 KM
 AZM GAP = 192
 # FM = 50
 STRD = 0.63

STRIKE UNCERTAINTY = 20
 DIP UNCERTAINTY = 20
 RAKE UNCERTAINTY = 20
 % MACHINE PICKS = 36

ERH = 0.3 KM
 ERZ = 1.6 KM
 MISFIT = 0.18 (+.04)
 STRD = 0.60

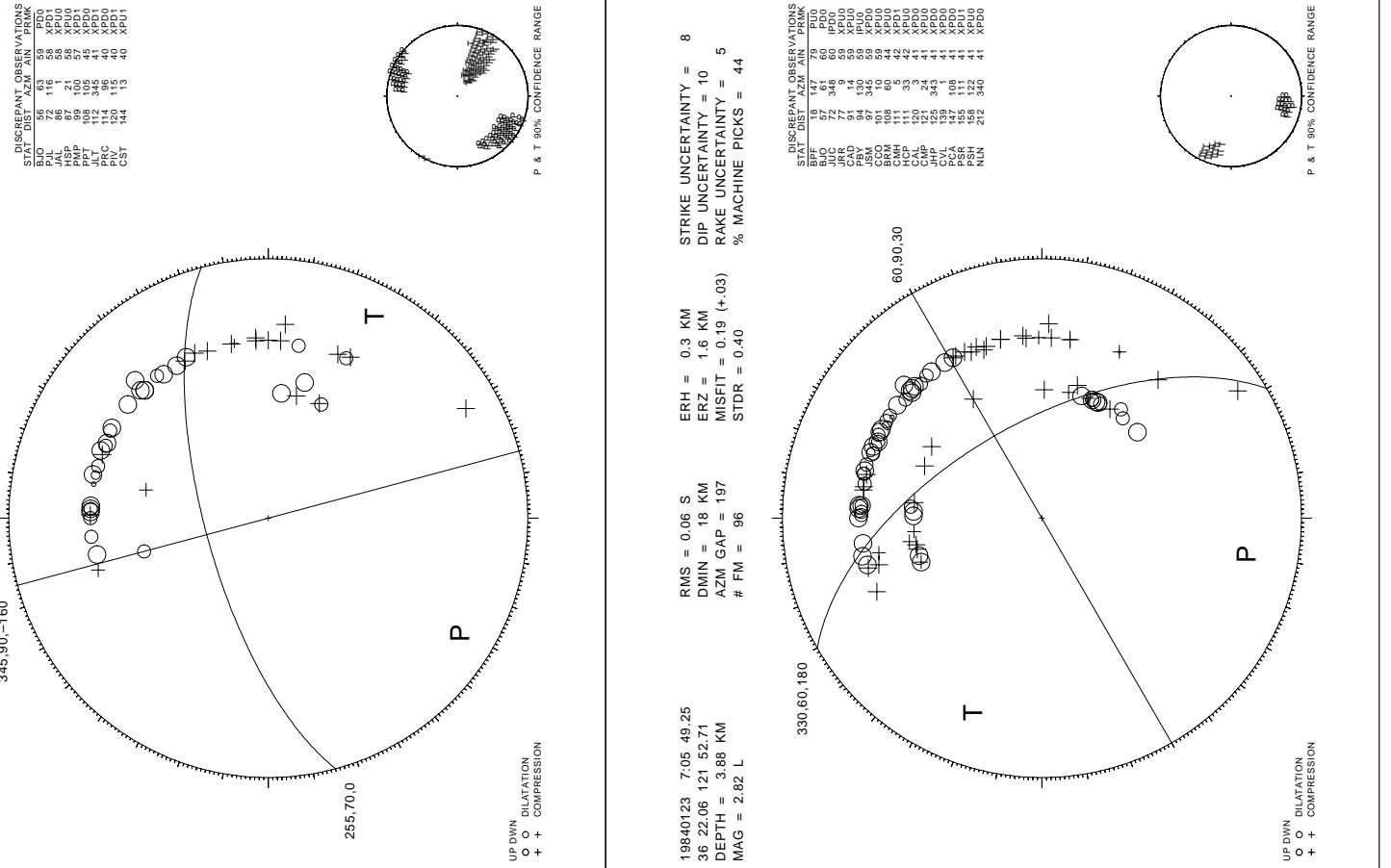


19840123 6:42 30.61 (MULTIPLE)
 36 22.93 121 52.52
 DEPTH = 3.50 KM
 MAG = 2.40 C

RMS = 0.07 S
 DMN = 19 KM
 AZM GAP = 192
 # FM = 50
 STRD = 0.60

STRIKE UNCERTAINTY = 13
 DIP UNCERTAINTY = 30
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 36

ERH = 0.3 KM
 ERZ = 1.6 KM
 MISFIT = 0.20 (+.04)
 STRD = 0.60

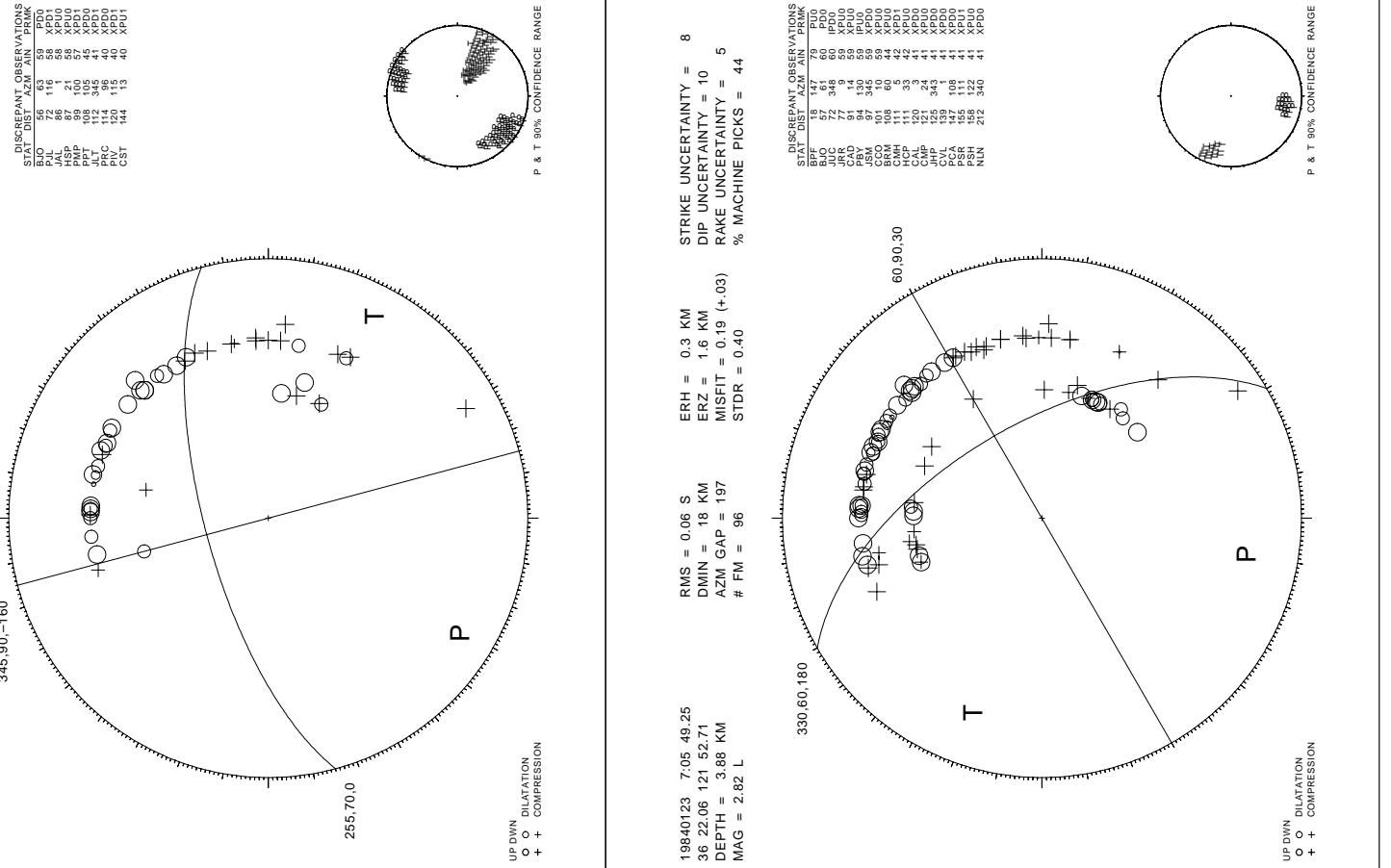


19840123 7:05 49.25
 36 22.06 121 52.71
 DEPTH = 3.88 KM
 MAG = 2.182 L

RMS = 0.06 S
 DMN = 18 KM
 AZM GAP = 197
 # FM = 96

STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 5
 % MACHINE PICKS = 44

ERH = 0.3 KM
 ERZ = 1.6 KM
 MISFIT = 0.19 (+.03)
 STRD = 0.40

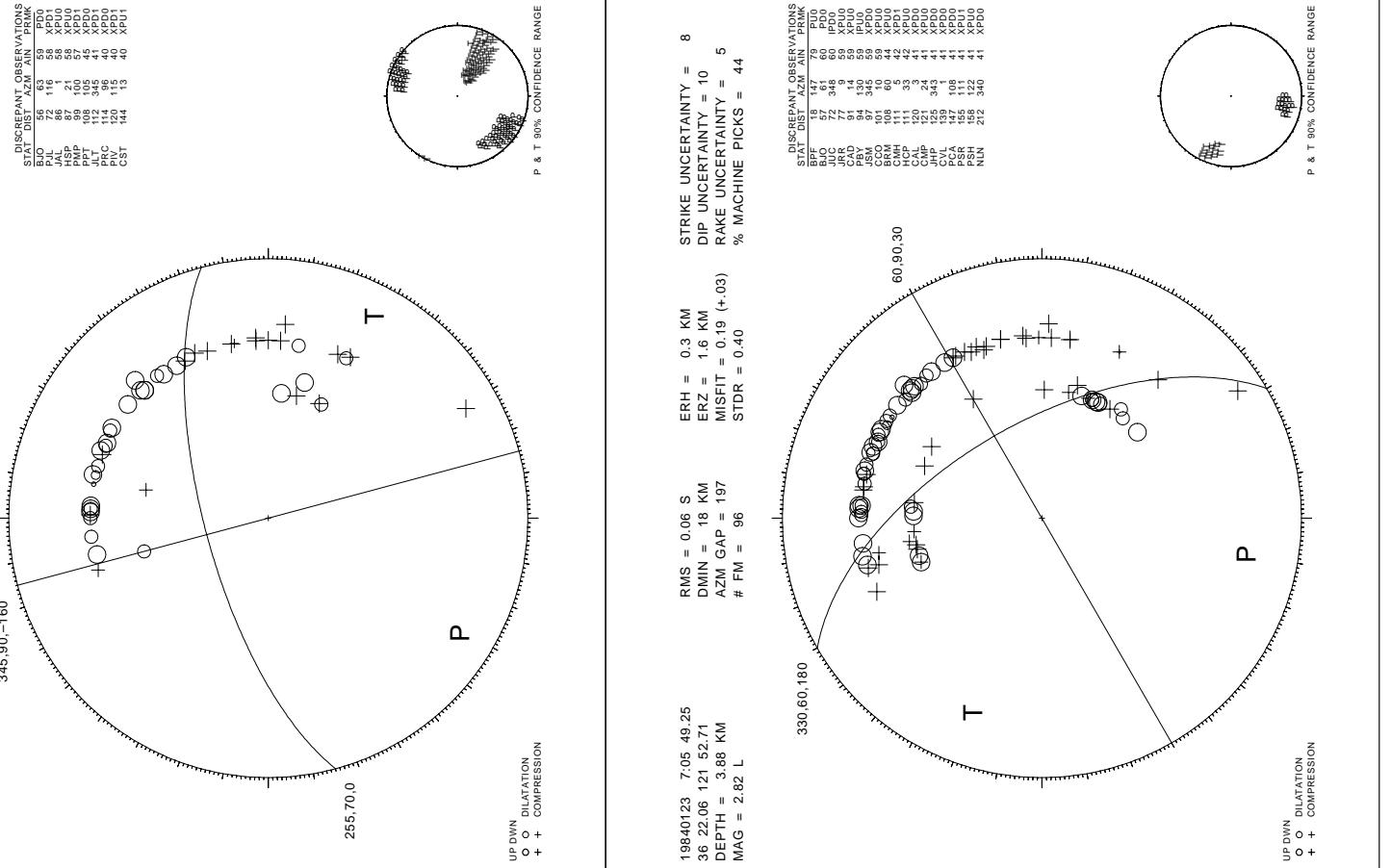


19840123 7:59 50.85
 36 21.82 121 53.48
 DEPTH = 7.88 KM
 MAG = 4.53 L

RMS = 0.07 S
 DMN = 18 KM
 AZM GAP = 200
 # FM = 171

STRIKE UNCERTAINTY = 5
 DIP UNCERTAINTY = 20
 RAKE UNCERTAINTY = 40
 % MACHINE PICKS = 0

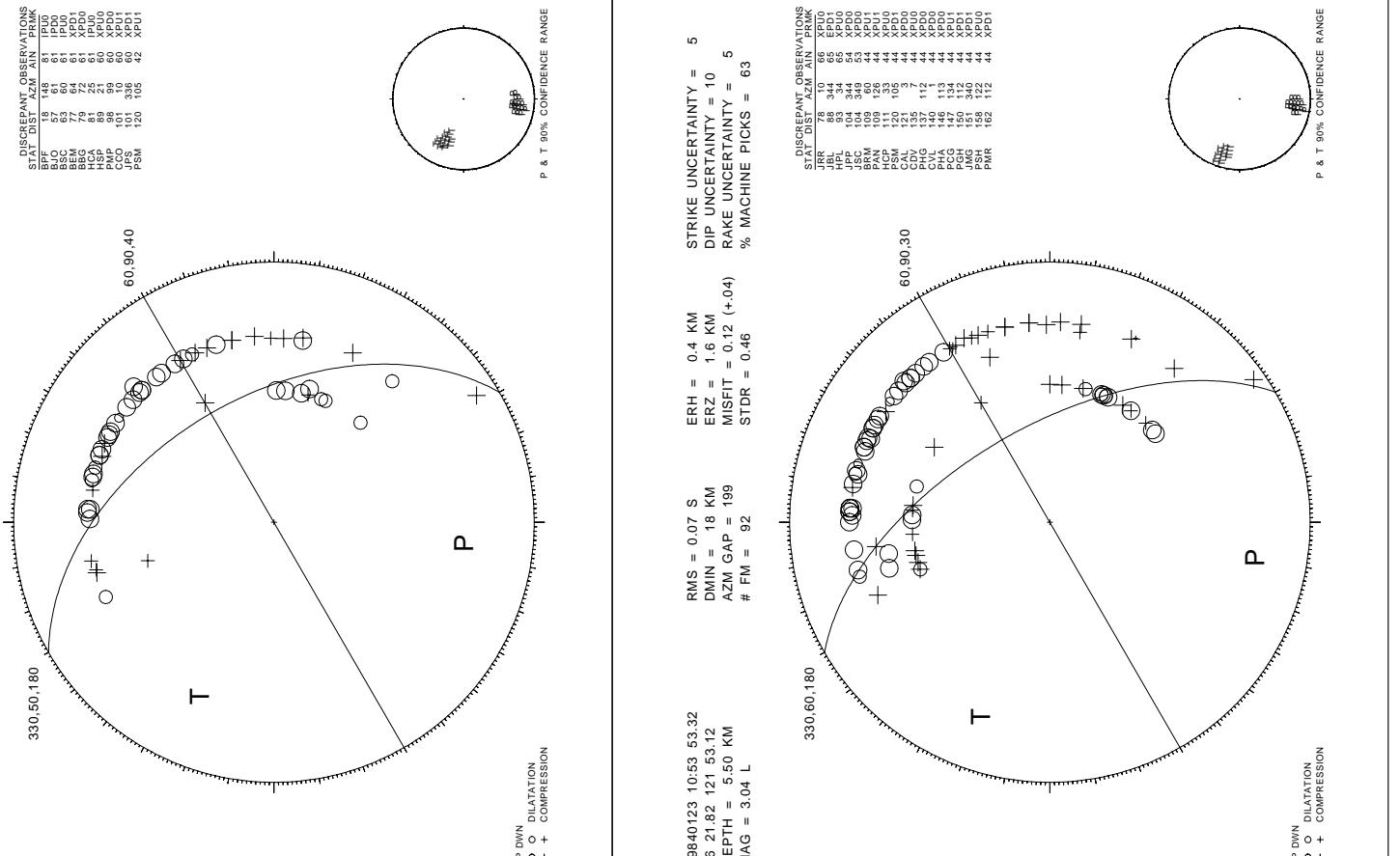
ERH = 0.3 KM
 ERZ = 1.1 KM
 MISFIT = 0.03 (+.02)
 STRD = 0.64



19840123 10:16 51.68 (MULTIPLE)
 36 22.01 121 52.60
 DEPTH = 4.22 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 18 KM
 AZM GAP = 196
 # FM = 58
 % MACHINE PICKS = 45

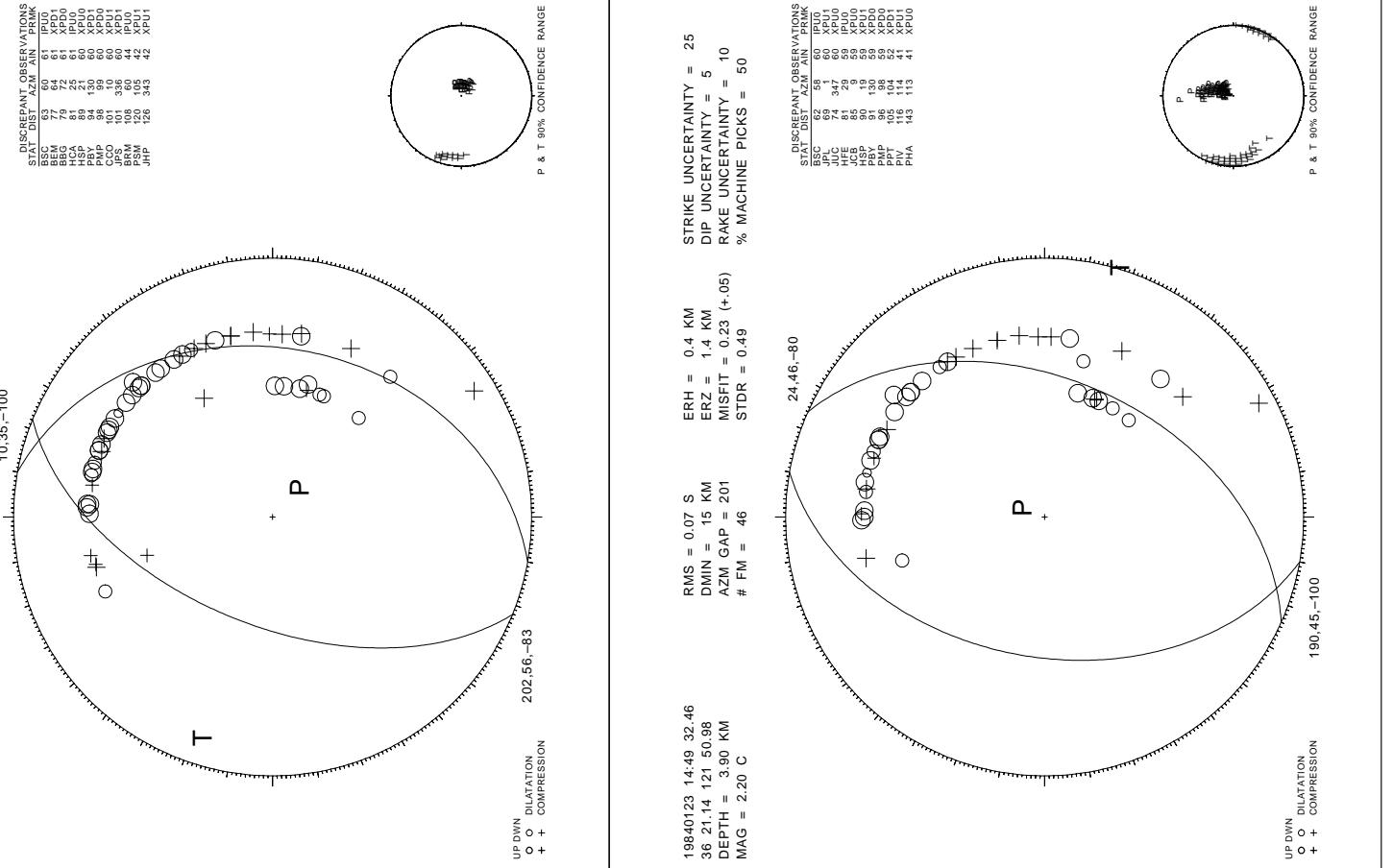
STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 0
 % MACHINE PICKS = 10
 % MACHINE PICKS = 45



19840123 10:16 51.68 (MULTIPLE)
 36 22.01 121 52.60
 DEPTH = 4.22 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 18 KM
 AZM GAP = 196
 # FM = 58
 % MACHINE PICKS = 45

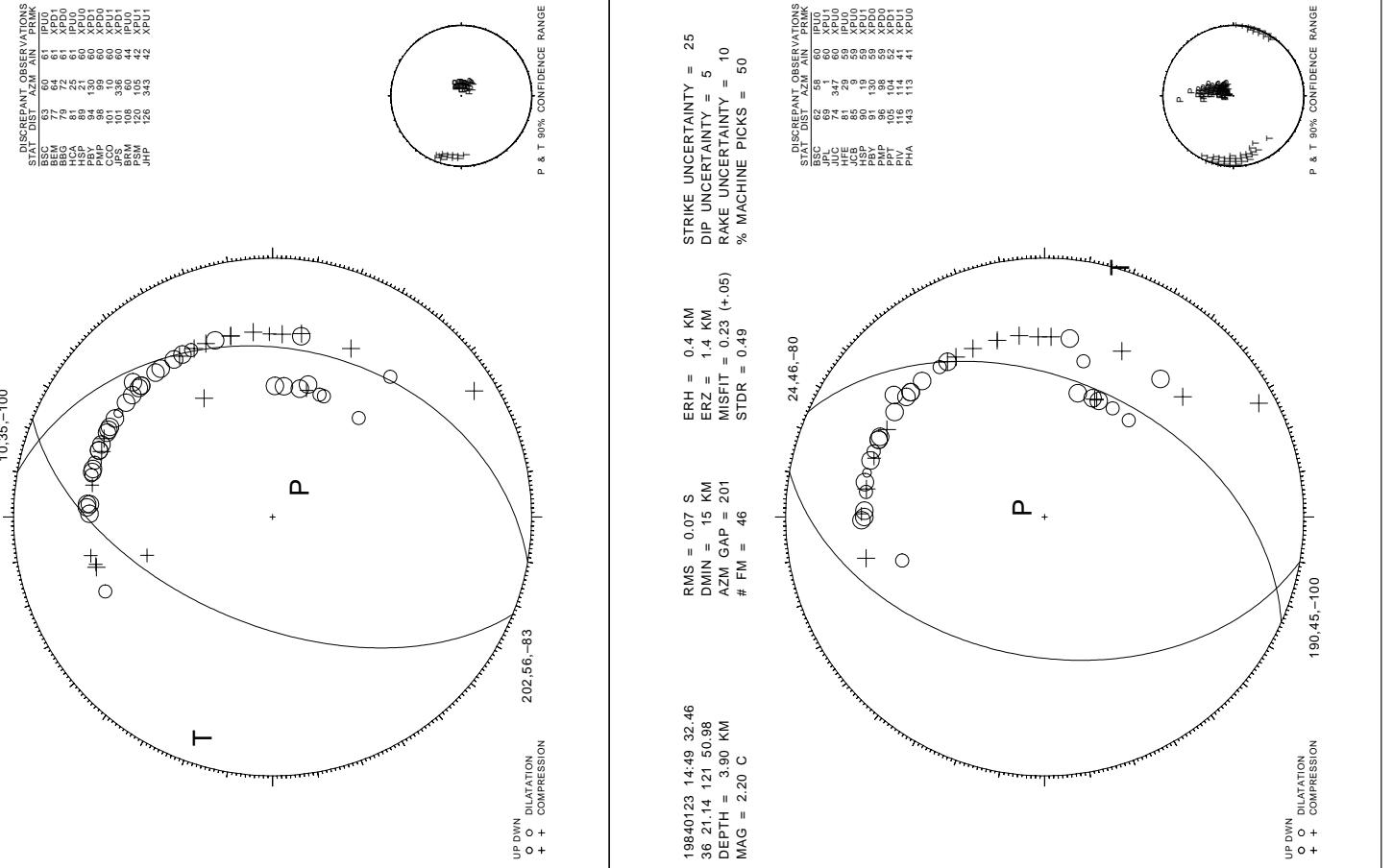
STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 0
 % MACHINE PICKS = 10
 % MACHINE PICKS = 45



19840123 10:16 51.68 (MULTIPLE)
 36 22.01 121 52.60
 DEPTH = 4.22 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 18 KM
 AZM GAP = 196
 # FM = 58
 % MACHINE PICKS = 45

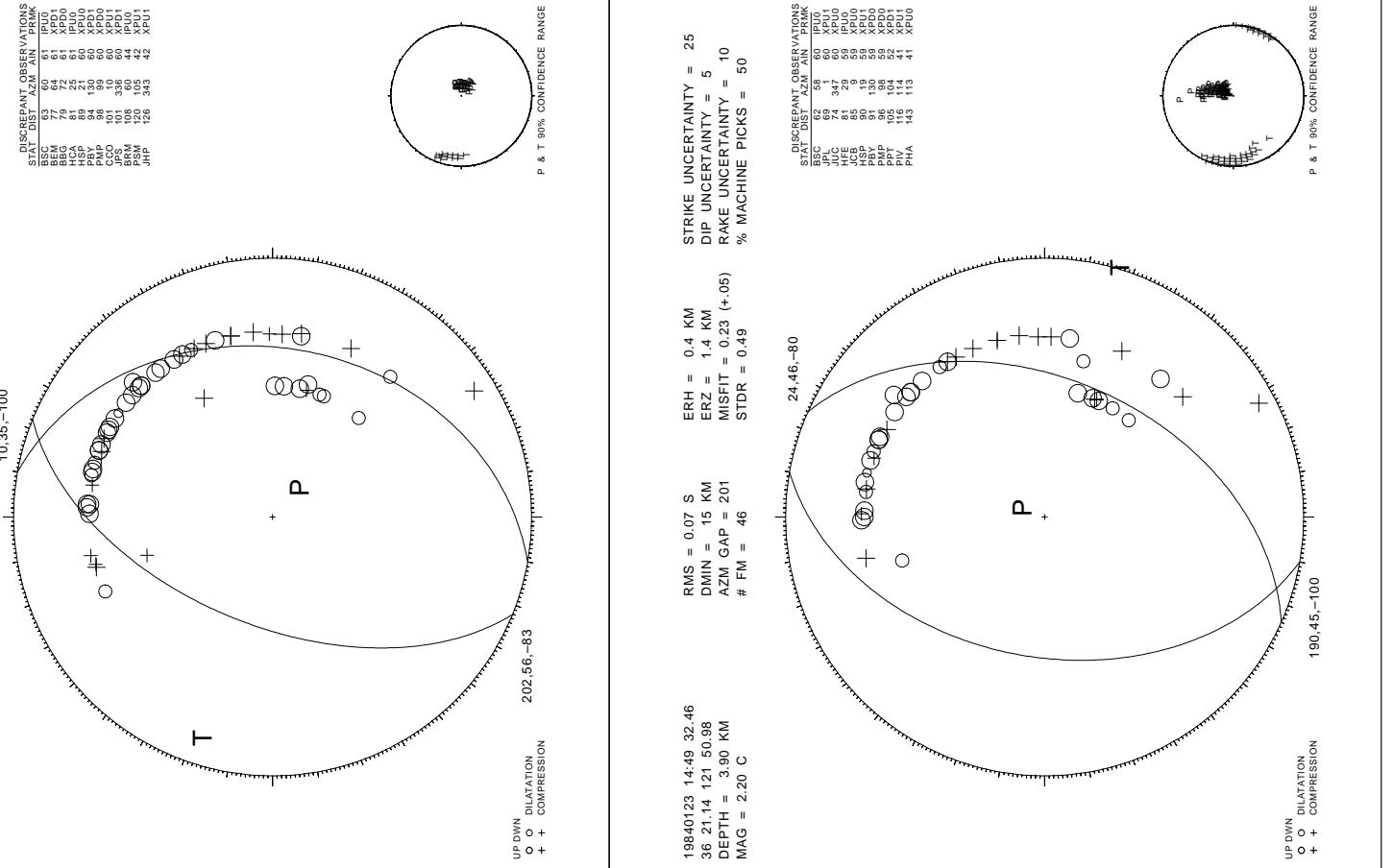
STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 0
 % MACHINE PICKS = 10
 % MACHINE PICKS = 45



19840123 10:16 51.68 (MULTIPLE)
 36 22.01 121 52.60
 DEPTH = 4.22 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 18 KM
 AZM GAP = 196
 # FM = 58
 % MACHINE PICKS = 45

STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 0
 % MACHINE PICKS = 10
 % MACHINE PICKS = 45



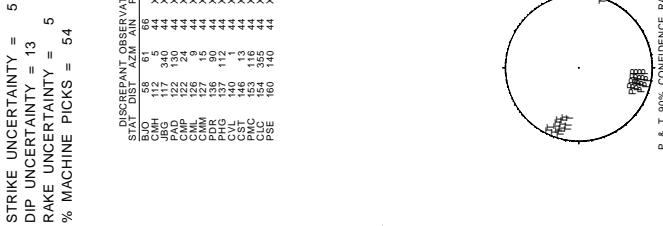
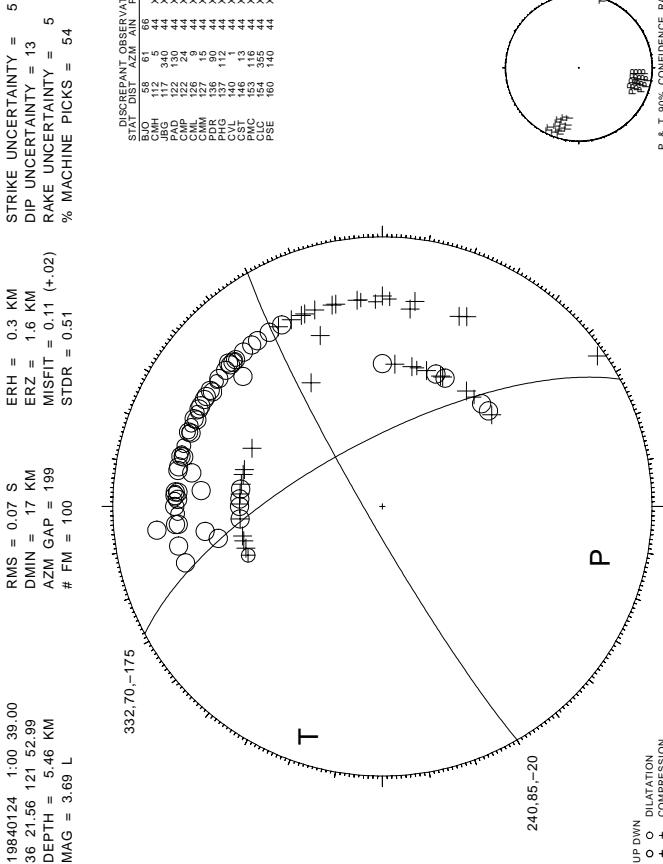
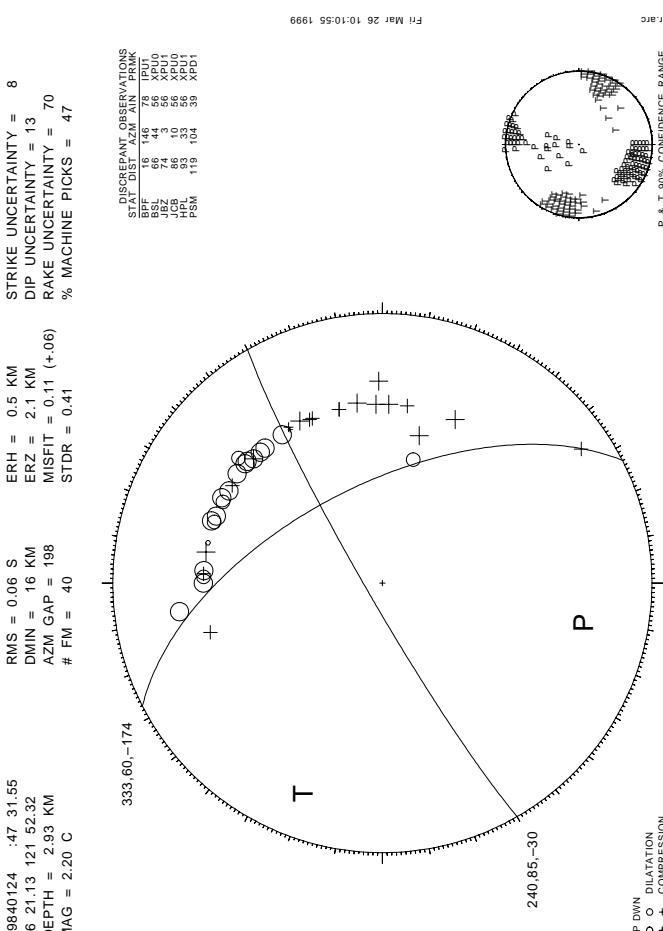
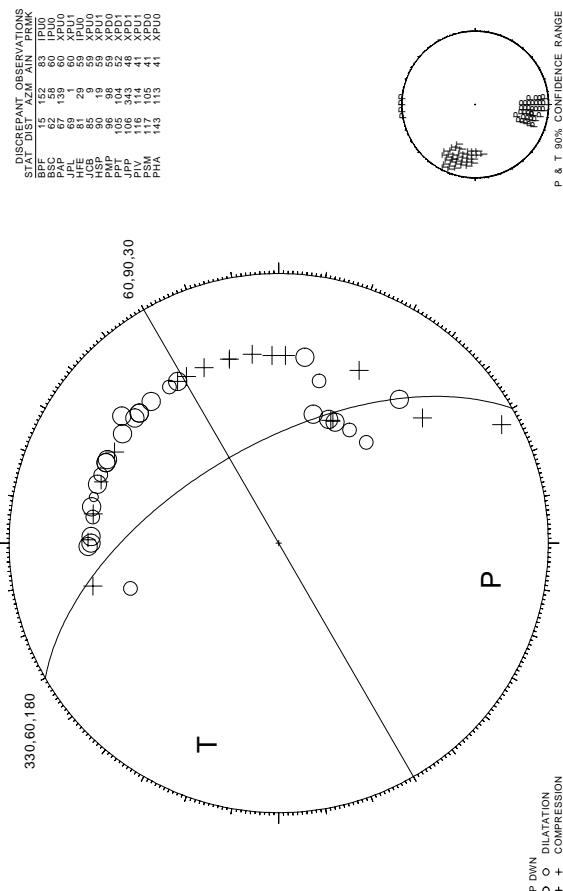
19840123 14:49 32.46 (MULTIPLE)
 RMS = 0.07 S
 DMN = 15 KM
 AZM GAP = 201
 # FM = 46
 DEPTH = 3.90 KM
 MAG = 2.20 C

19840123 19:58 21.02
 36 21.75 121 52.70
 DEPTH = 4.14 KM
 MAG = 3.59 L

STRIKE UNCERTAINTY = 20
 DIP UNCERTAINTY = 8
 RAKE UNCERTAINTY = 5
 % MACHINE PICKS = 46

RMS = 0.06 S
 DMN = 18 KM
 AZM GAP = 198
 # FM = 99
 DEPTH = 4.52 KM
 MAG = 3.59 L

ERH = 0.3 KM
 ERZ = 1.4 KM
 MISFIT = 0.17 (+.03)
 STDR = 0.54



19840214 14:00:39.00 (MULTIPLE)
 36 21.56 121 52.99
 DEPTH = 5.46 KM
 MAG = 3.69 L

RMS = 0.07 S
 DMN = 17 KM
 AZM GAP = 199
 # FM = 100
 STRD = 0.54

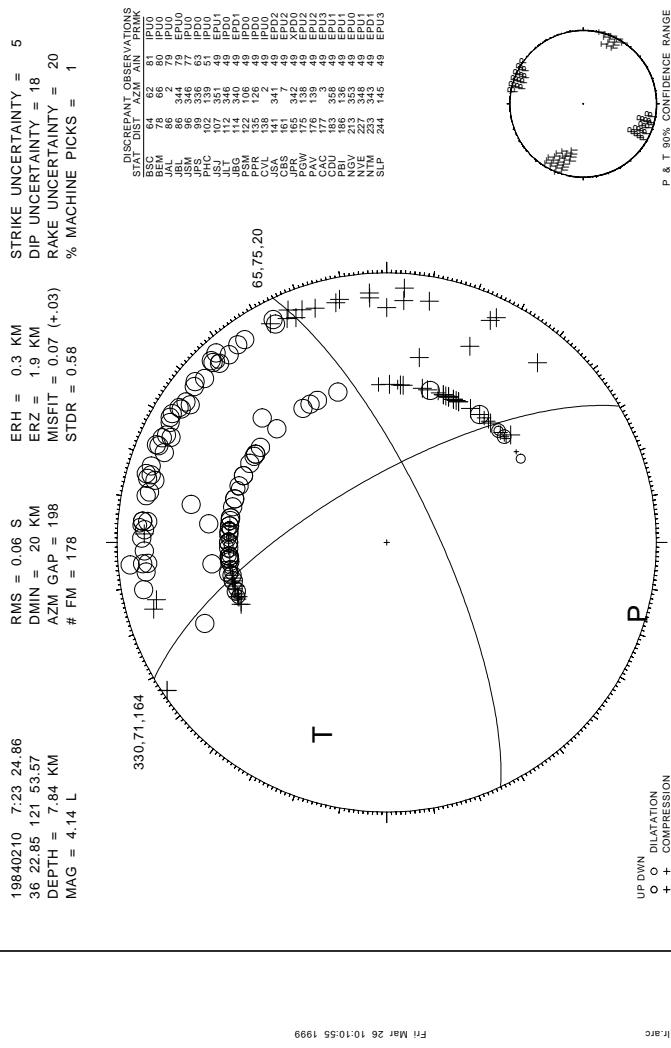
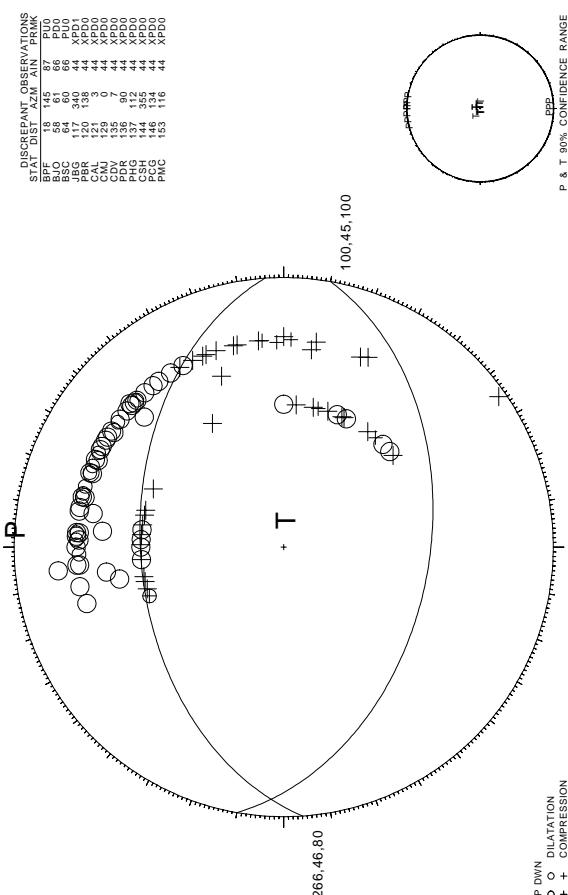
ERH = 0.3 KM
 ERZ = 1.6 KM
 MISFIT = 0.11 (+.02)
 STRD = 0.54

STRIKE UNCERTAINTY = 10
 DIP UNCERTAINTY = 3
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 54

RMS = 0.06 S
 DMN = 20 KM
 AZM GAP = 198
 # FM = 178
 STRD = 0.58

ERH = 0.3 KM
 ERZ = 1.9 KM
 MISFIT = 0.07 (+.03)
 STRD = 0.58

STRIKE UNCERTAINTY = 5
 DIP UNCERTAINTY = 18
 RAKE UNCERTAINTY = 20
 % MACHINE PICKS = 1



19840217 23:54 46.29
 36 22.32 121 53.54
 DEPTH = 9.97 KM
 MAG = 2.10 C

RMS = 0.07 S
 DMN = 15 KM
 AZM GAP = 208
 # FM = 42

STRIKE UNCERTAINTY = 8
 DIP UNCERTAINTY = 13
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 55

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.19 (+.06)
 STDR = 0.45

RMS = 0.05 S
 DMN = 15 KM
 AZM GAP = 207
 # FM = 47

STRIKE UNCERTAINTY = 13
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 10

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.15 (+.05)
 STDR = 0.44

RMS = 0.05 S
 DMN = 15 KM
 AZM GAP = 207
 # FM = 47

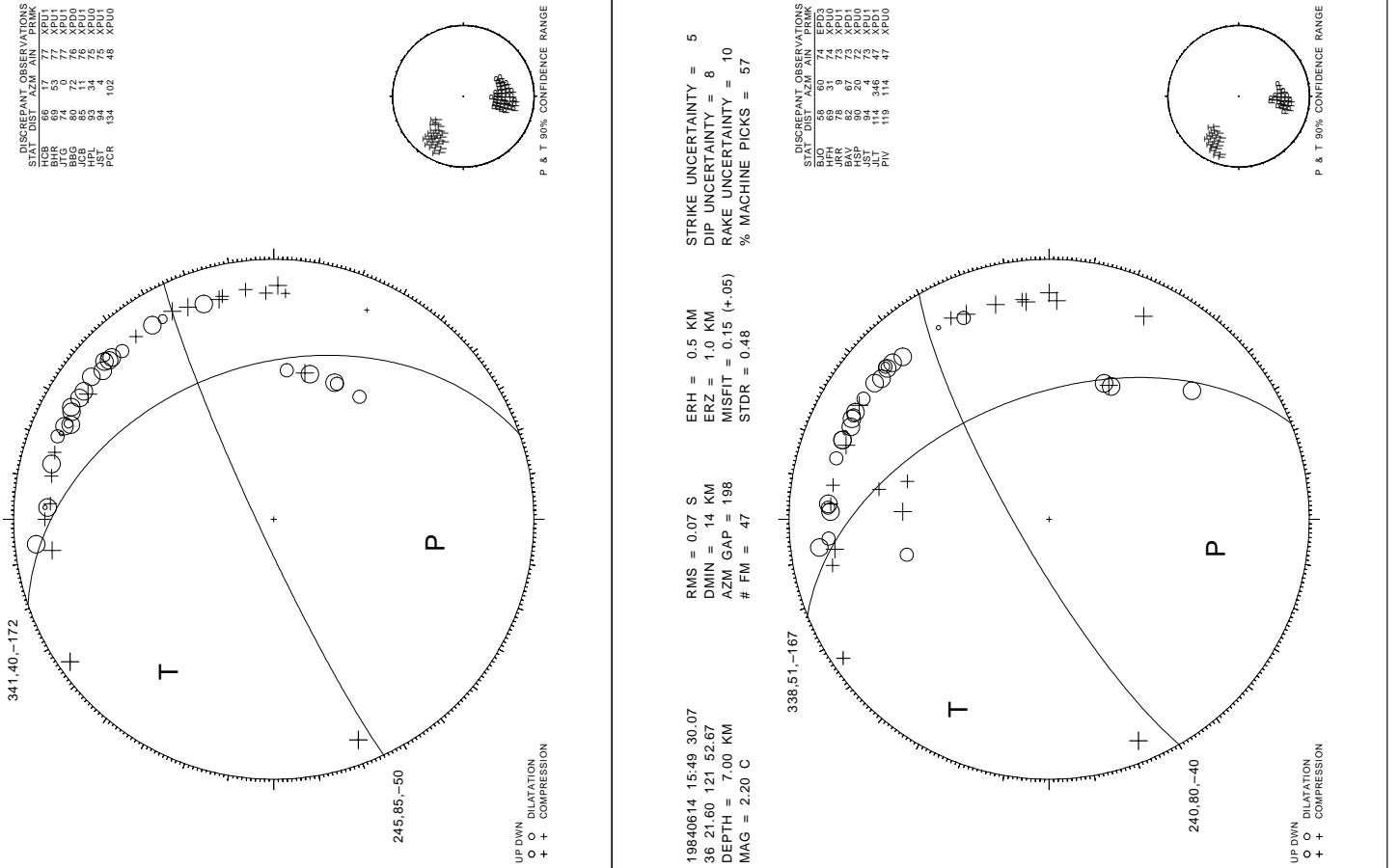
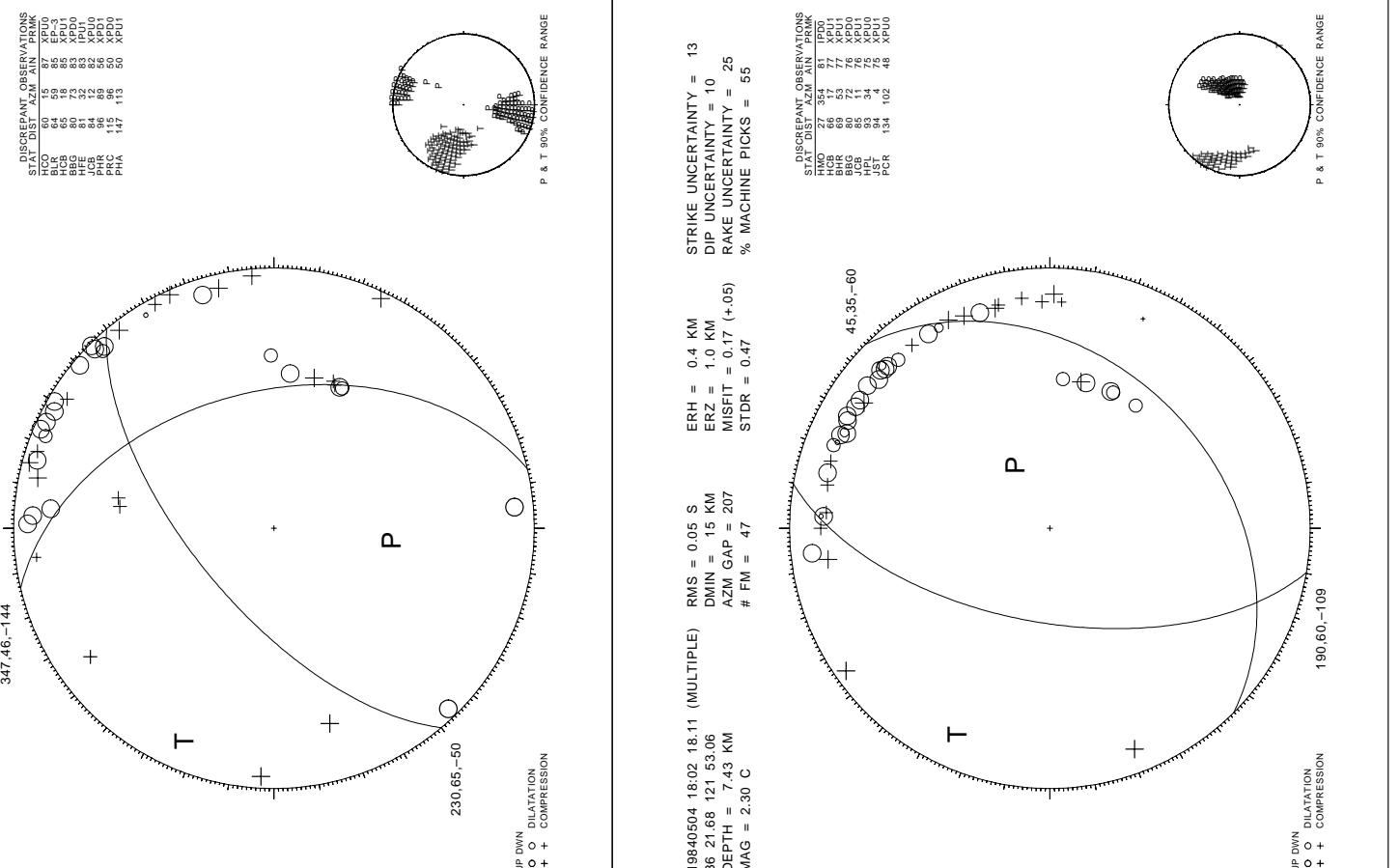
STRIKE UNCERTAINTY = 13
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 55

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.17 (+.05)
 STDR = 0.47

RMS = 0.05 S
 DMN = 15 KM
 AZM GAP = 207
 # FM = 47

STRIKE UNCERTAINTY = 13
 DIP UNCERTAINTY = 10
 RAKE UNCERTAINTY = 10
 % MACHINE PICKS = 55

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.15 (+.05)
 STDR = 0.44

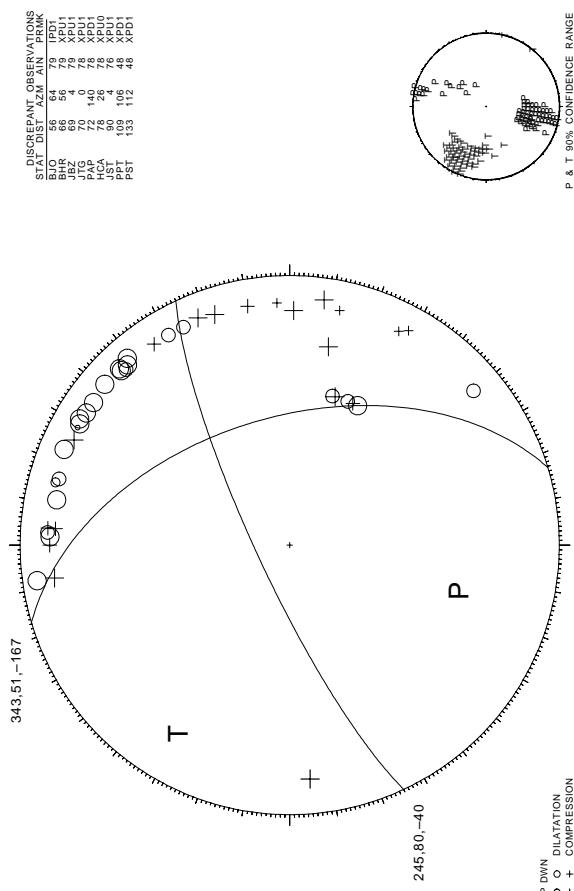


19840803 9:18 18.80
 36 23.83 121 52.75
 DEPTH = 7.61 KM
 MAG = 2.10 C

RMS = 0.07 S
 DMN = 13 KM
 AZM GAP = 233
 # FM = 43

ERH = 0.7 KM
 ERZ = 1.1 KM
 MISFIT = 0.14 (+.06)
 STDR = 0.50

STRIKE UNCERTAINTY = 13
 DIP UNCERTAINTY = 33
 RAKE UNCERTAINTY = 30
 % MACHINE PICKS = 51

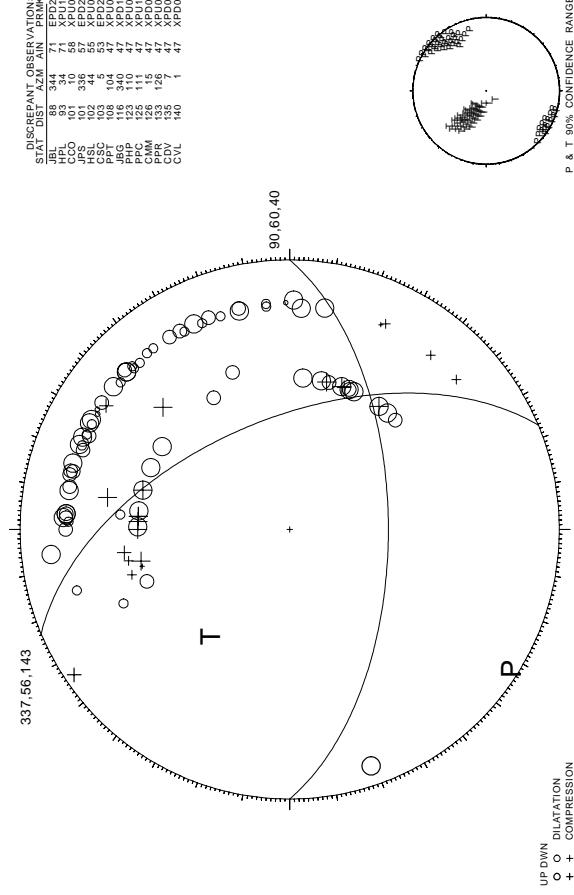


19850224 13:31 31.83
 36 21.91 121 53.03
 DEPTH = 6.77 KM
 MAG = 3.22 L

RMS = 0.05 S
 DMN = 15 KM
 AZM GAP = 198
 # FM = 95

ERH = 0.4 KM
 ERZ = 0.7 KM
 MISFIT = 0.14 (+.04)
 STDR = 0.50

STRIKE UNCERTAINTY = 10
 DIP UNCERTAINTY = 13
 RAKE UNCERTAINTY = 15
 % MACHINE PICKS = 34

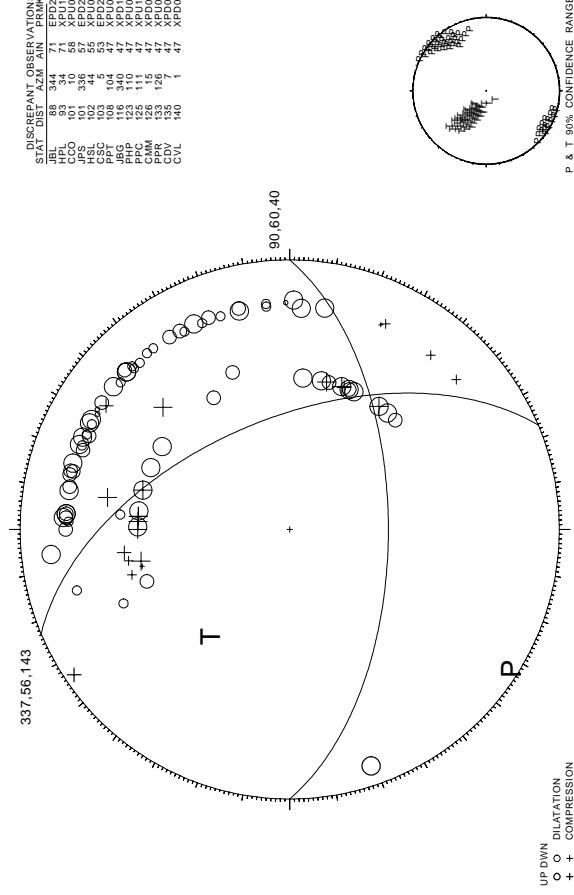


19850309 23:11 23.62
 36 21.72 121 53.02
 DEPTH = 6.85 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 15 KM
 AZM GAP = 199
 # FM = 43

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.15 (+.04)
 STDR = 0.71

STRIKE UNCERTAINTY = 10
 DIP UNCERTAINTY = 28
 RAKE UNCERTAINTY = 60
 % MACHINE PICKS = 51

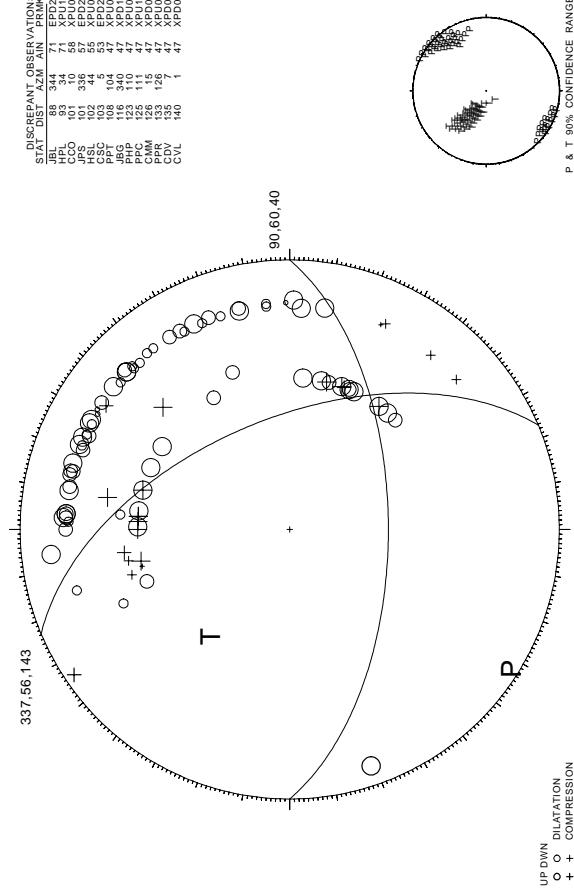


19850309 23:11 23.62
 36 21.72 121 53.02
 DEPTH = 6.85 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 15 KM
 AZM GAP = 199
 # FM = 43

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.15 (+.04)
 STDR = 0.71

STRIKE UNCERTAINTY = 10
 DIP UNCERTAINTY = 28
 RAKE UNCERTAINTY = 60
 % MACHINE PICKS = 51

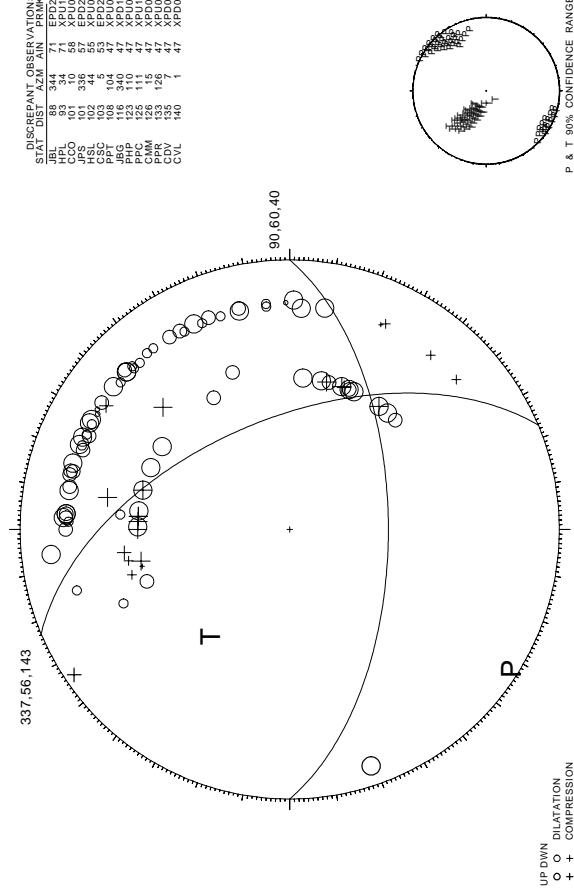


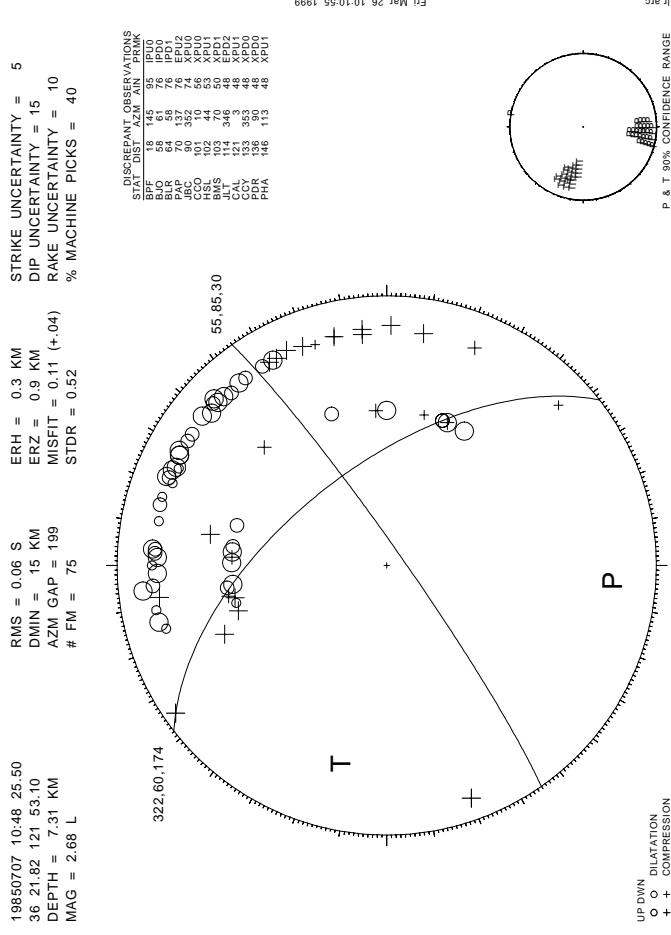
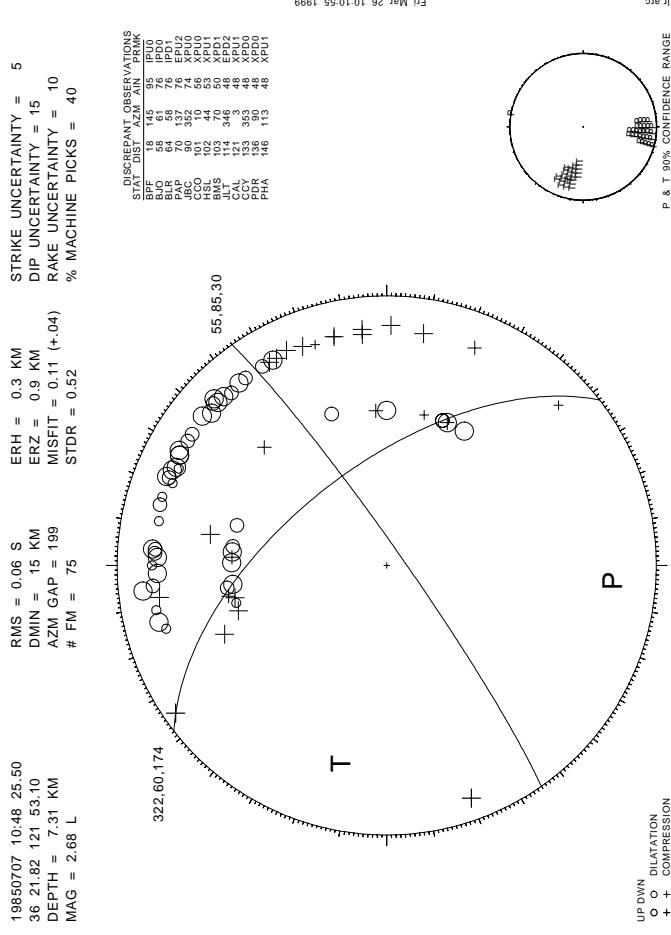
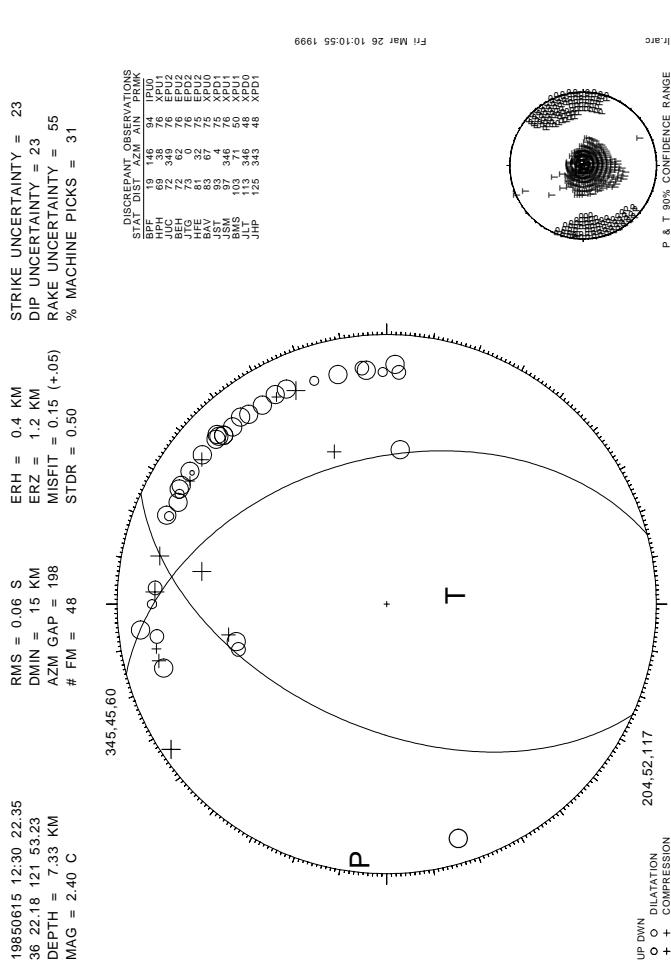
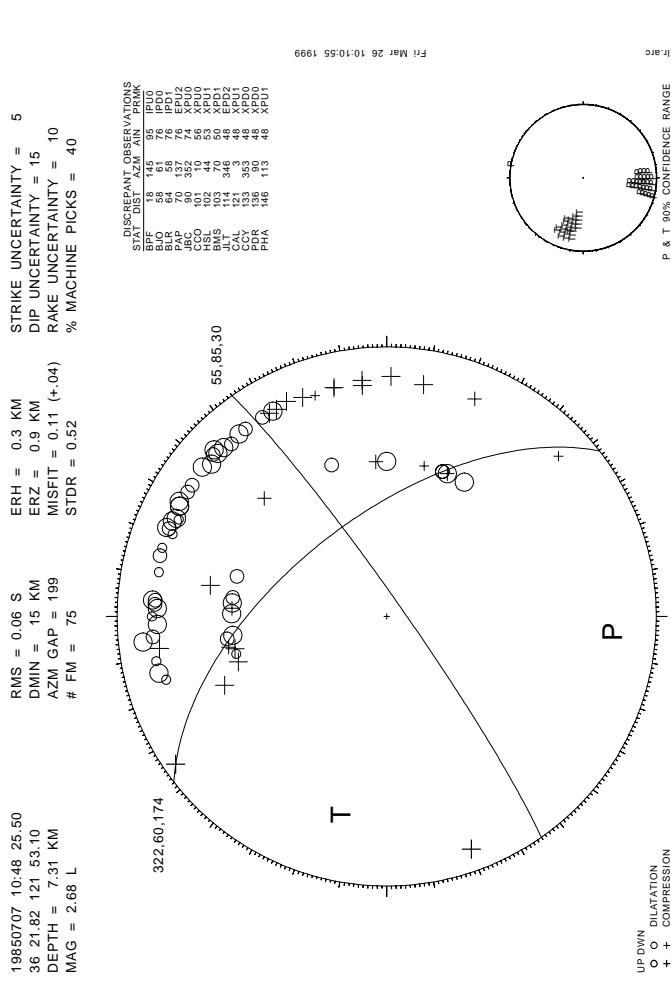
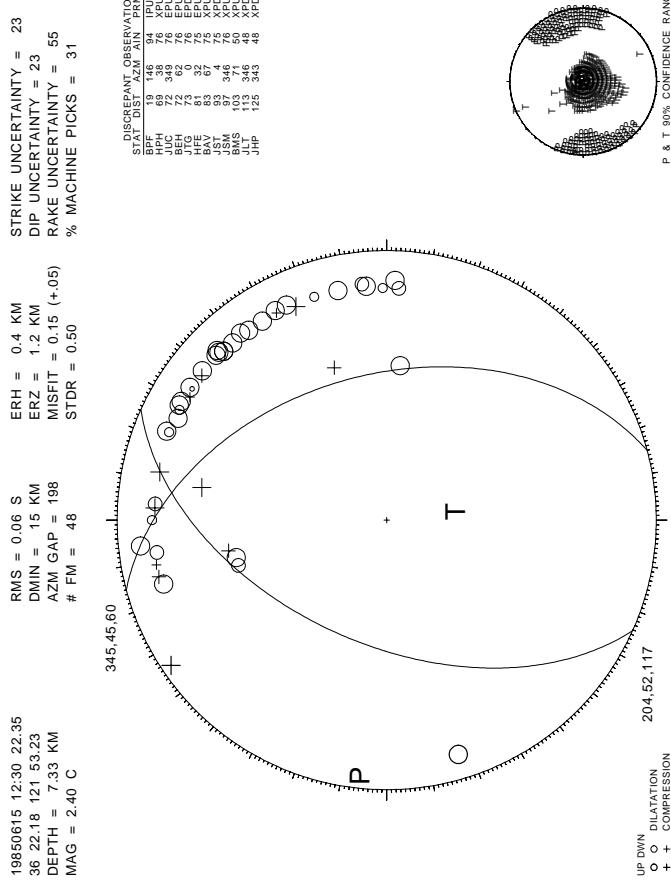
19850309 23:11 23.62
 36 21.72 121 53.02
 DEPTH = 6.85 KM
 MAG = 2.50 C

RMS = 0.07 S
 DMN = 15 KM
 AZM GAP = 199
 # FM = 43

ERH = 0.4 KM
 ERZ = 1.0 KM
 MISFIT = 0.15 (+.04)
 STDR = 0.71

STRIKE UNCERTAINTY = 10
 DIP UNCERTAINTY = 28
 RAKE UNCERTAINTY = 60
 % MACHINE PICKS = 51





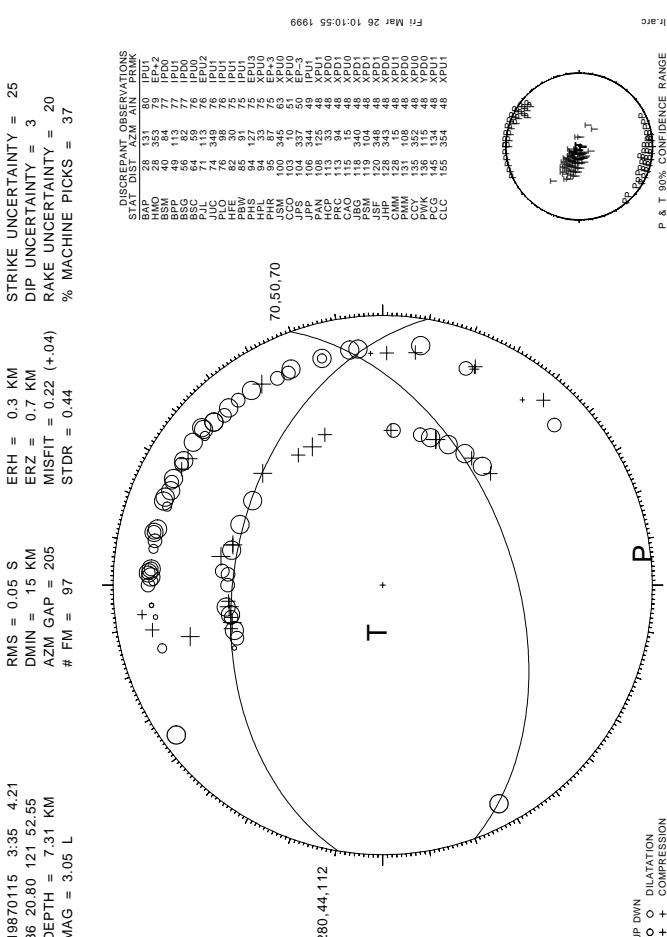
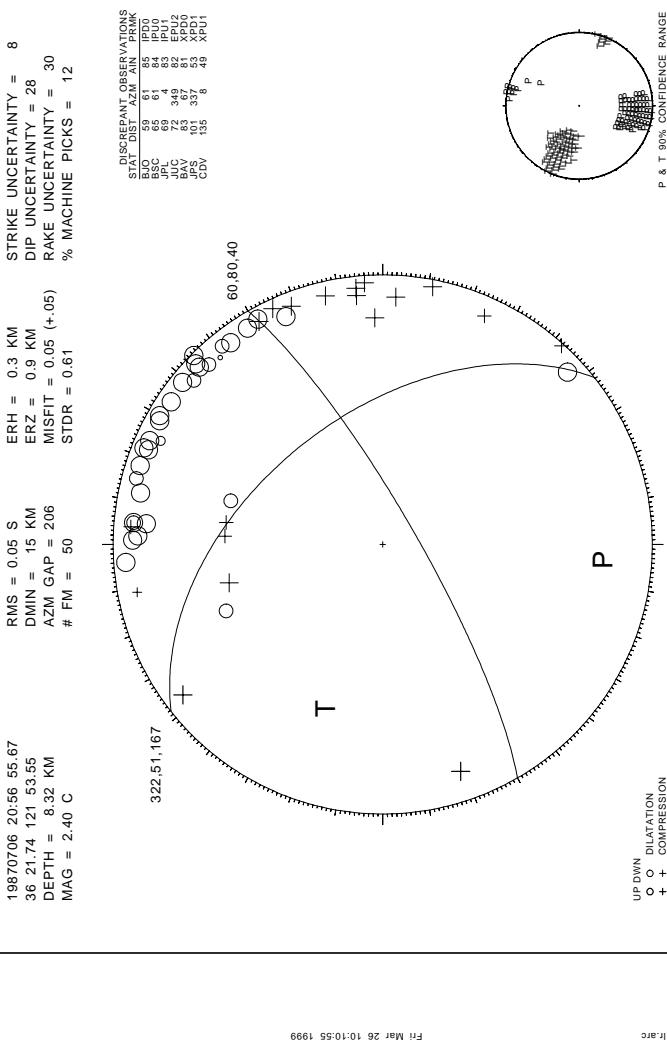
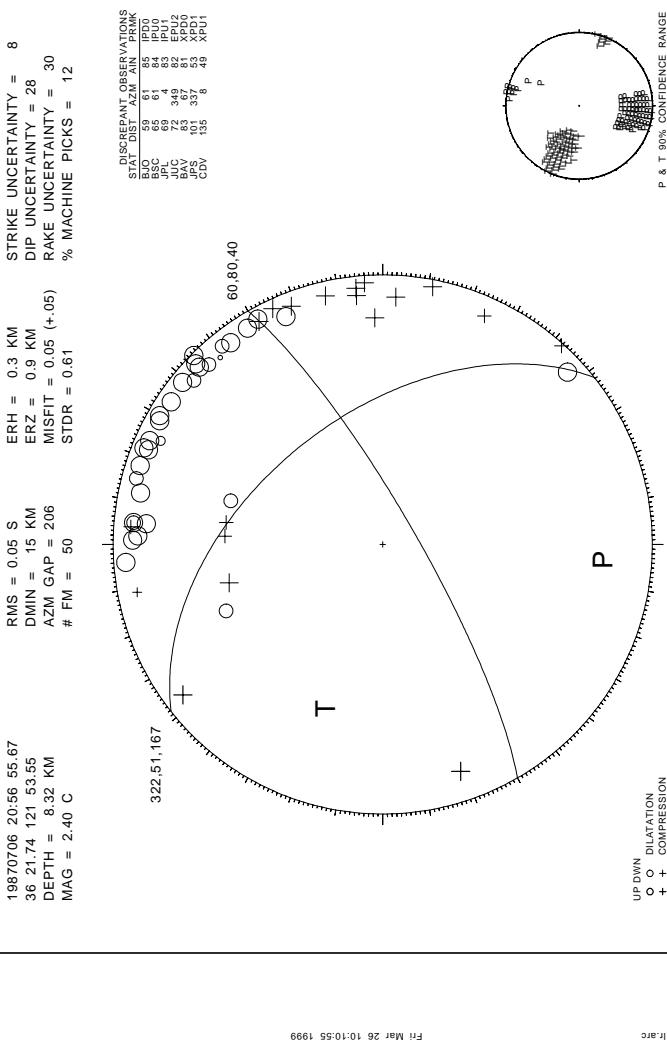
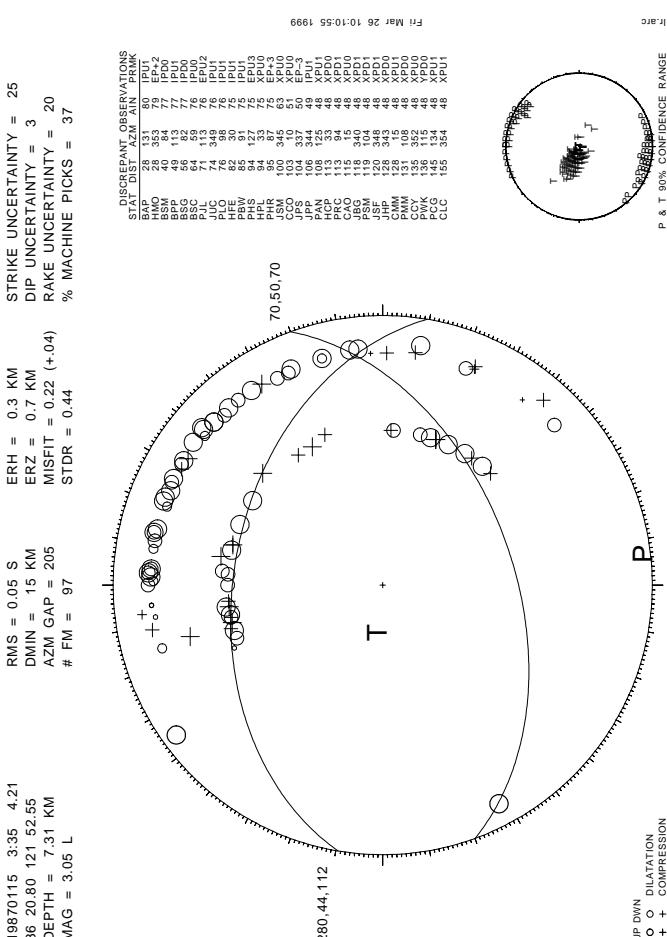
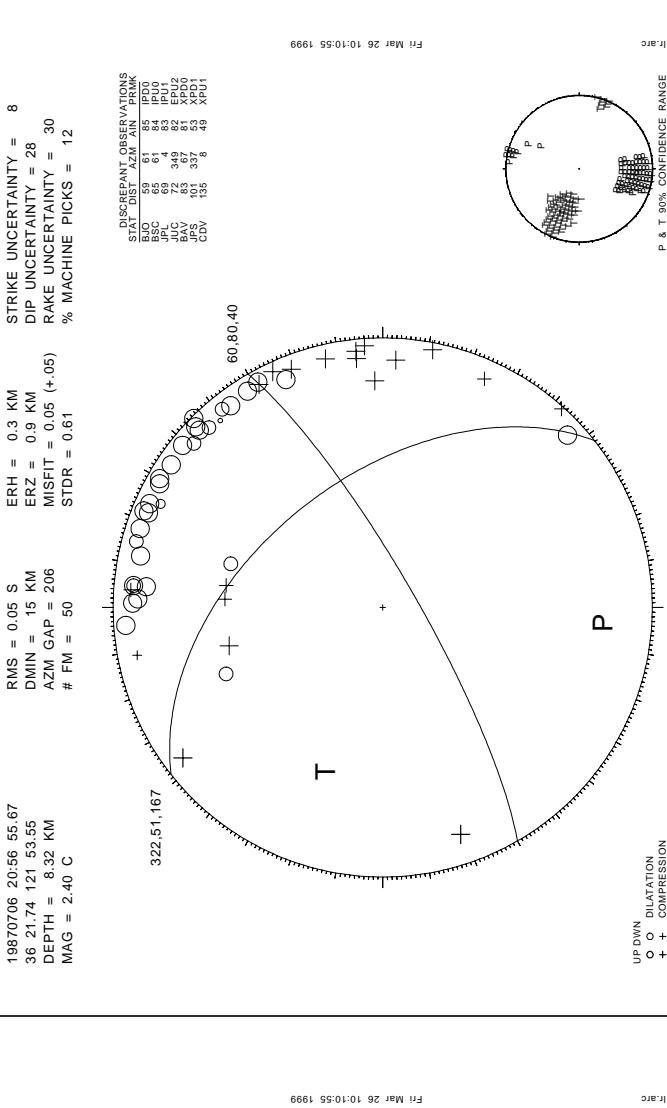
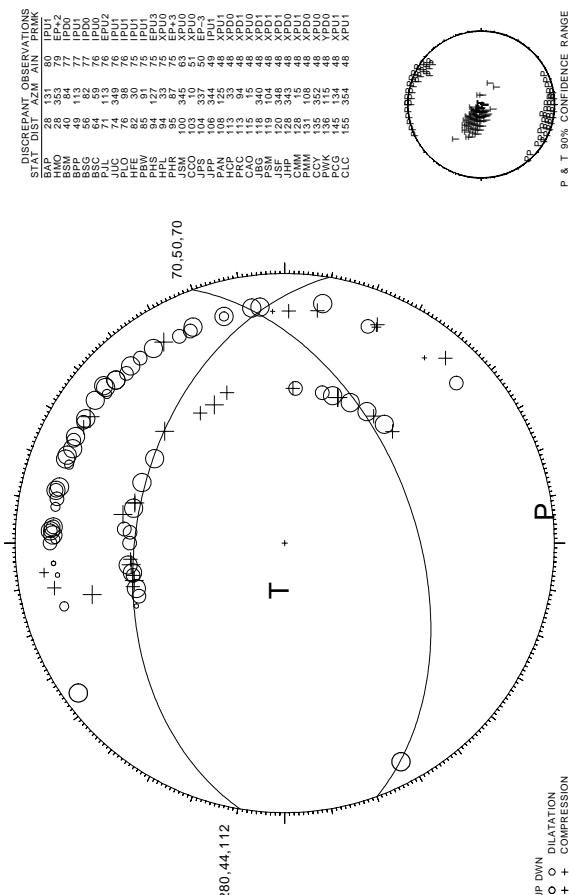
19870115 3:35 4.21
36 20.80 121 52.55
DEPTH = 7.31 KM
MAG = 3.05 L

RMS = 0.05 S
DMIN = 15 KM
AZM GAP = 205
FM = 97

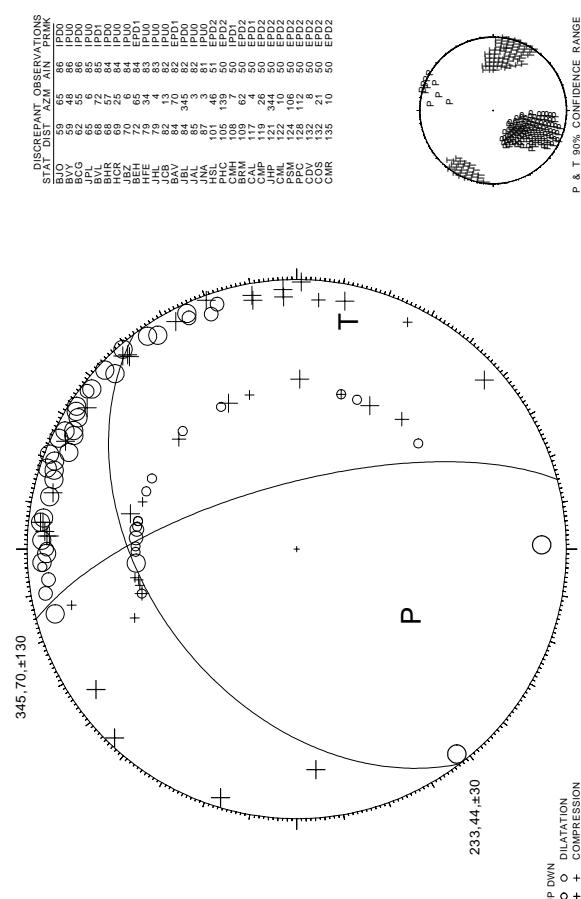
STRIKE UNCERTAINTY = 25
DIP UNCERTAINTY = 3
RAKE UNCERTAINTY = 20
% MACHINE PICKS = 37

RMS = 0.05 S
DMIN = 15 KM
AZM GAP = 206
FM = 50

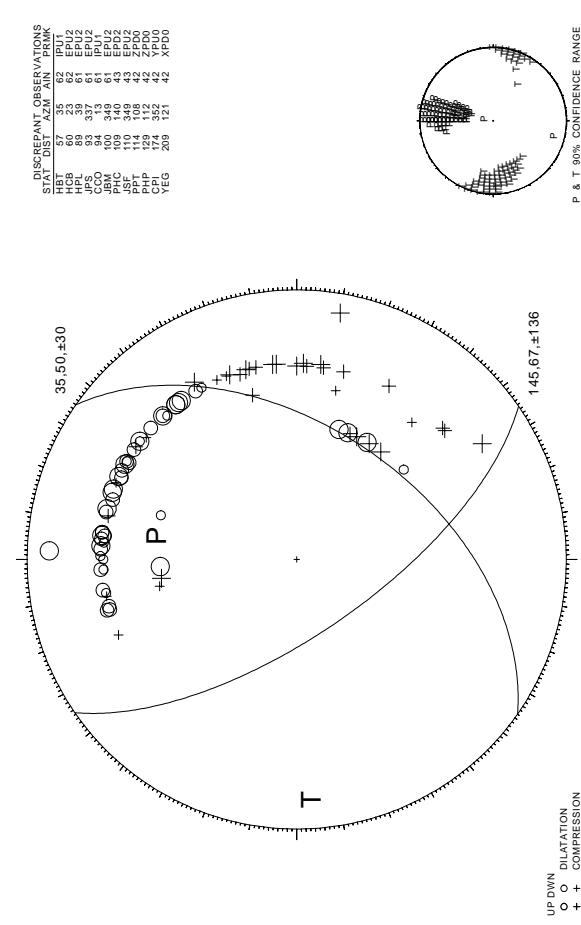
STRIKE UNCERTAINTY = 8
DIP UNCERTAINTY = 28
RAKE UNCERTAINTY = 30
% MACHINE PICKS = 12



19930818 16:43 27.00 RMS = 0.07 S ERH = 0.3 KM STRIKE UNCERTAINTY = 20
 36 23.80 121.54.89 DMN = 16 KM DIP UNCERTAINTY = 18 DEPTH = 4.54 KM
 DEPTH = 9.64 KM AZM GAP = 200 RAKE UNCERTAINTY = 50 MISFIT = 0.20 (+.04)
 MAG = 3.20 C # FM = 94 % MACHINE PICKS = 6 STRDR = 0.52



19931127 15:32 19.58 RMS = 0.04 S ERH = 0.4 KM STRDR = 0.62
 36 26.18 121.55.56 DMN = 18 KM # FM = 85 DIP UNCERTAINTY = .05
 DEPTH = 4.54 KM AZM GAP = 197 % MACHINE PICKS = 11 MAG = 2.70 C



Notes for appendix 2:

Time is in Coordinated Universal Time (UT). To convert to Pacific Standard Time, subtract eight hours. To convert to Pacific Daylight Time, subtract seven hours. Depending on the time, one day may have to be subtracted from the UT date to get the local date. Epicenters are in degrees and minutes of north latitude and west longitude. Depth of the focus is in km. Magnitude (MAG) computed from ML based on above location (L) or coda (C). RMS travel time residual is in seconds. Distance to nearest station is in km. Maximum azimuthal gap is in degrees. Number of first motion observations used in solution denoted by (#FM). Horizontal and vertical error in hypocenter location denoted respectively by (ERH) and (ERZ). MISFIT is solution misfit value + 90% confidence estimate. Station distribution ratio (STRDR) ranges from 0 to 1, lower numbers indicate data lie near nodal planes. Focal mechanism strike in degrees, dip angle in degrees down from horizontal. Rake in degrees: 0=left lateral, 90=reverse, +/-180=right lateral, -90=normal. % MACHINE PICKS = (# of machine picks)/(# of hand picks)

Focal mechanisms from UCB/USGS Northern California Seismic Network (provided by D.H. Oppenheimer, USGS, written commun., 03/26/99).