

0 Tequila volcanic field

0.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	17	85.8	84.3	6.9
Mean pole (calculated from VGPs)	17	85.8	84.4	6.9
Mean pole (calculated from transformed directions)	17	85.4	83.9	6.9
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 18.8° below 31.1° critical angle); indeterminate classification			
Bayesian reversal test	Ambiguous: weak support			
Fisher Q-Q test	Consistent with Fisher distribution			

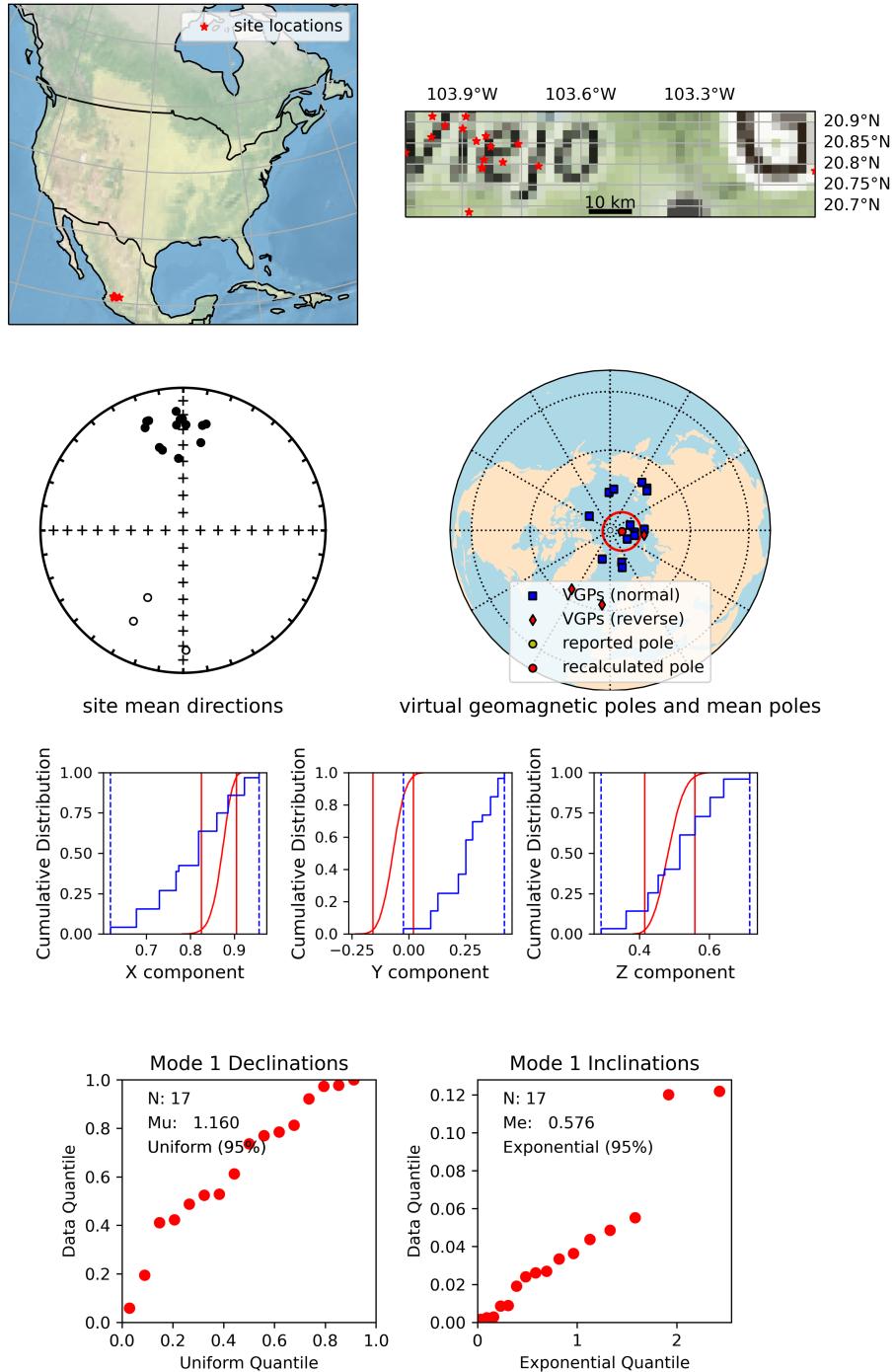


Figure 1: Summary of data from locality 0 (Tequila volcanic field) pole 1 (Ceja et al. (2006)).

1 Coso Range volcanics

1.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	2	NaN	NaN	NaN
Mean pole (calculated from VGPs)	2	73.8	69.3	66.8
Mean pole (calculated from transformed directions)	2	73.8	69.3	66.8
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: strong support			
Fisher Q-Q test	Too few sites			

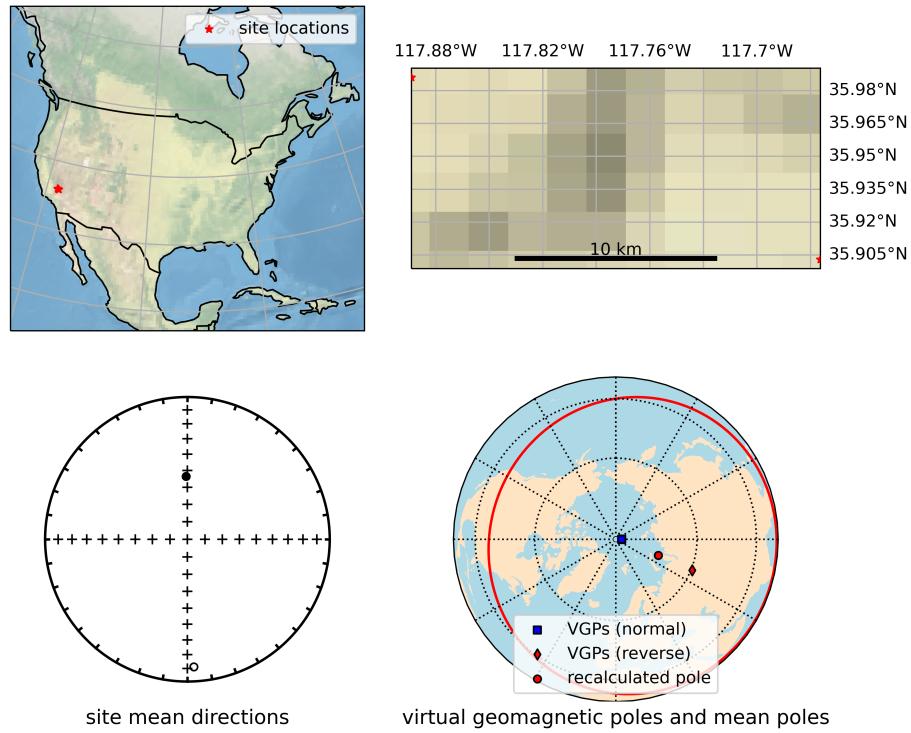


Figure 2: Summary of data from locality 1 (Coso Range volcanics) pole 1 (Mankinen and Gromme (1982)).

2 Eastern Alkaline Province

2.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	17	NaN	NaN	NaN
Mean pole (calculated from VGPs)	17	88.3	93.4	5.5
Mean pole (calculated from transformed directions)	17	88.3	87.7	5.5
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 6.0° below 13.8° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Fisher distribution rejected			

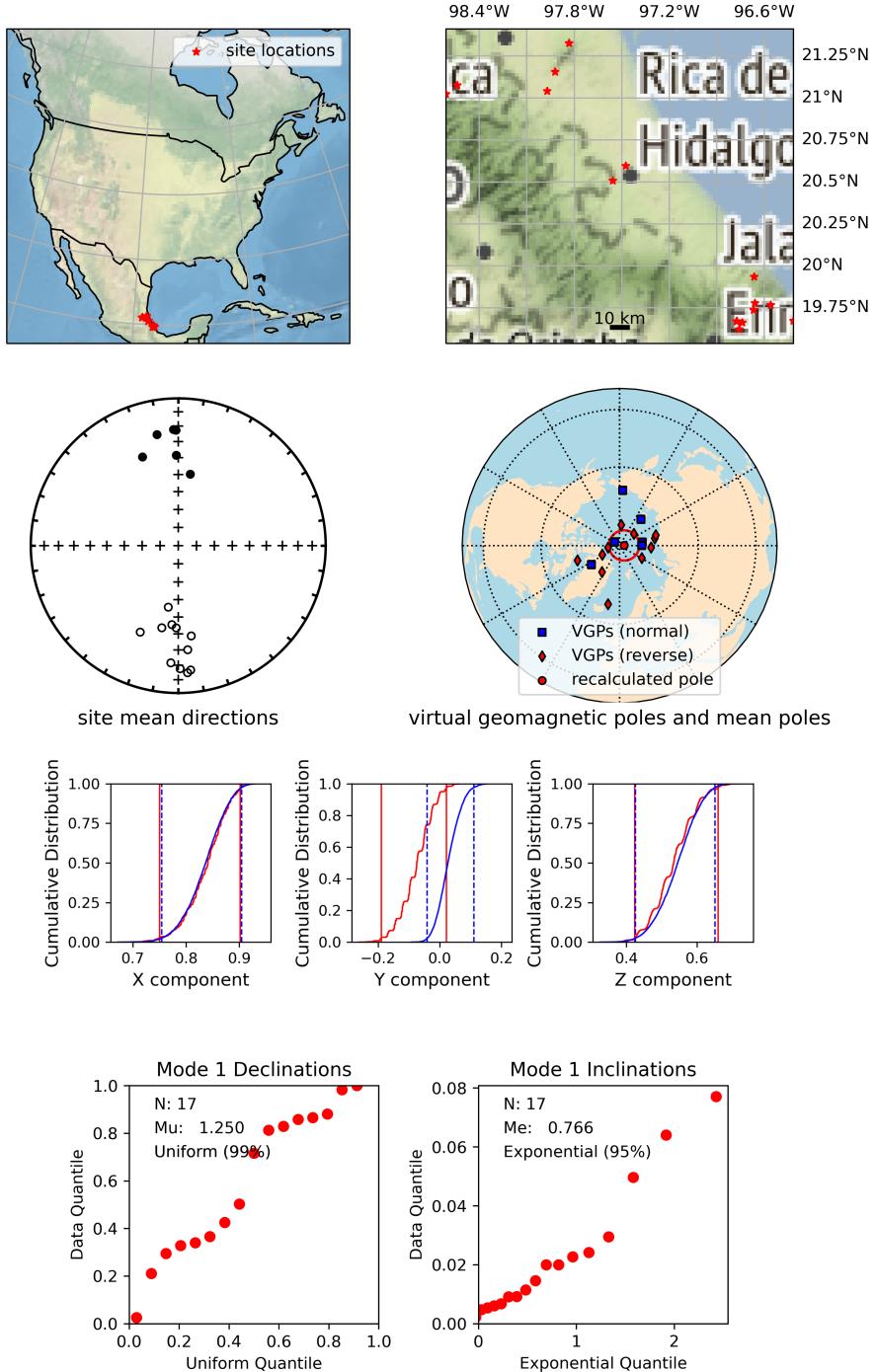


Figure 3: Summary of data from locality 2 (Eastern Alkaline Province) pole 1 (Goguitchaichvili et al. (2007)).

3 SW USA composite

3.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	70	87.4	162.9	3.9
Mean pole (calculated from VGPs)	70	87.4	162.9	3.9
Mean pole (calculated from transformed directions)	70	87.4	163.0	3.9
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Fail (angle 7.9° above 6.3° critical angle)			
Bayesian reversal test	Ambiguous: weak support			
Fisher Q-Q test	Consistent with Fisher distribution			

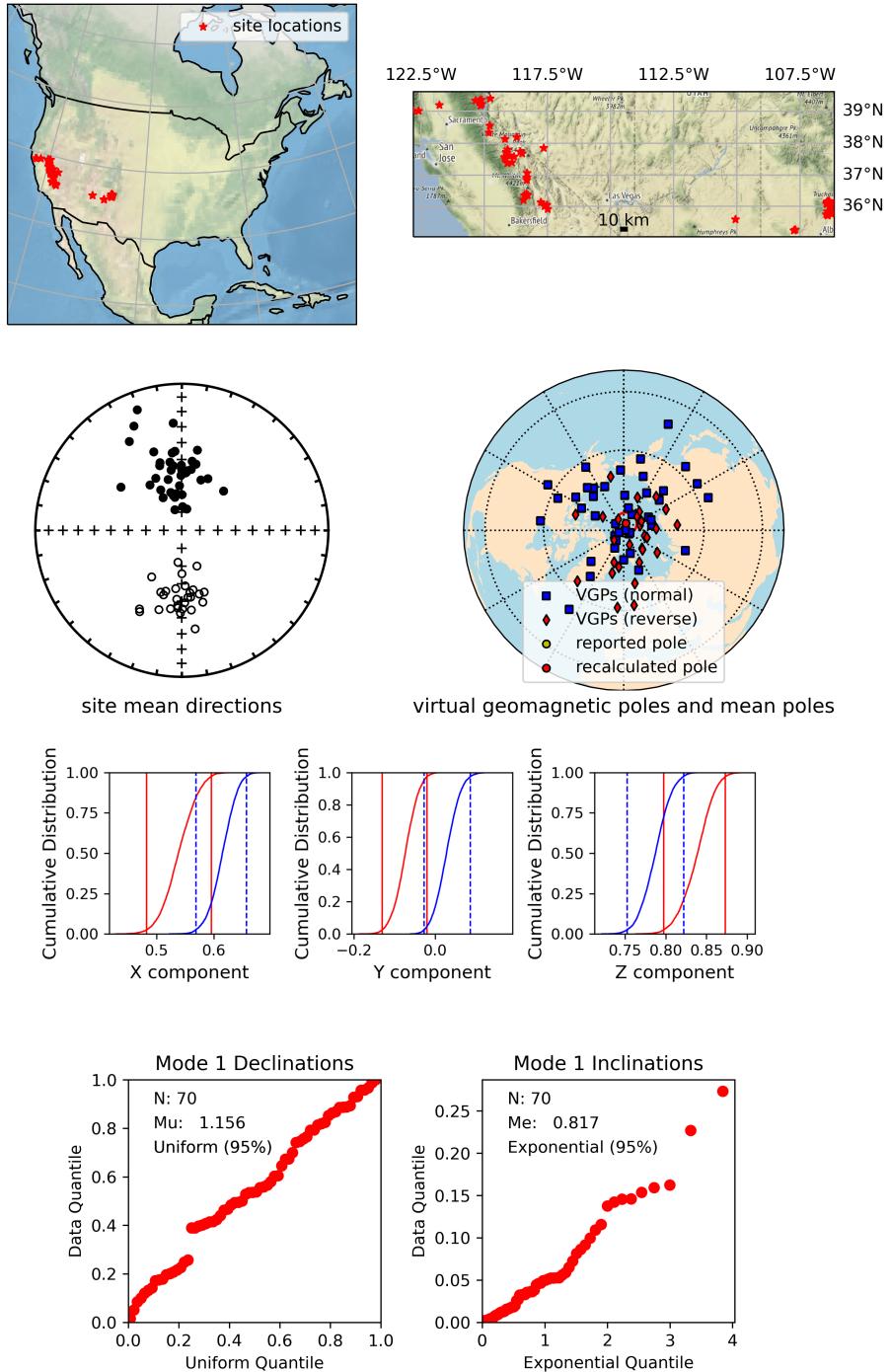


Figure 4: Summary of data from locality 3 (SW USA composite) pole 1 (Mankinen (2008)).

4 N Montana intrusions

4.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	94	82.0	170.2	3.5
Mean pole (calculated from VGPs)	95	82.4	178.4	3.6
Mean pole (calculated from transformed directions)	95	82.3	178.5	3.6
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Fail (angle 5.4° above 5.3° critical angle)			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Fisher distribution rejected			

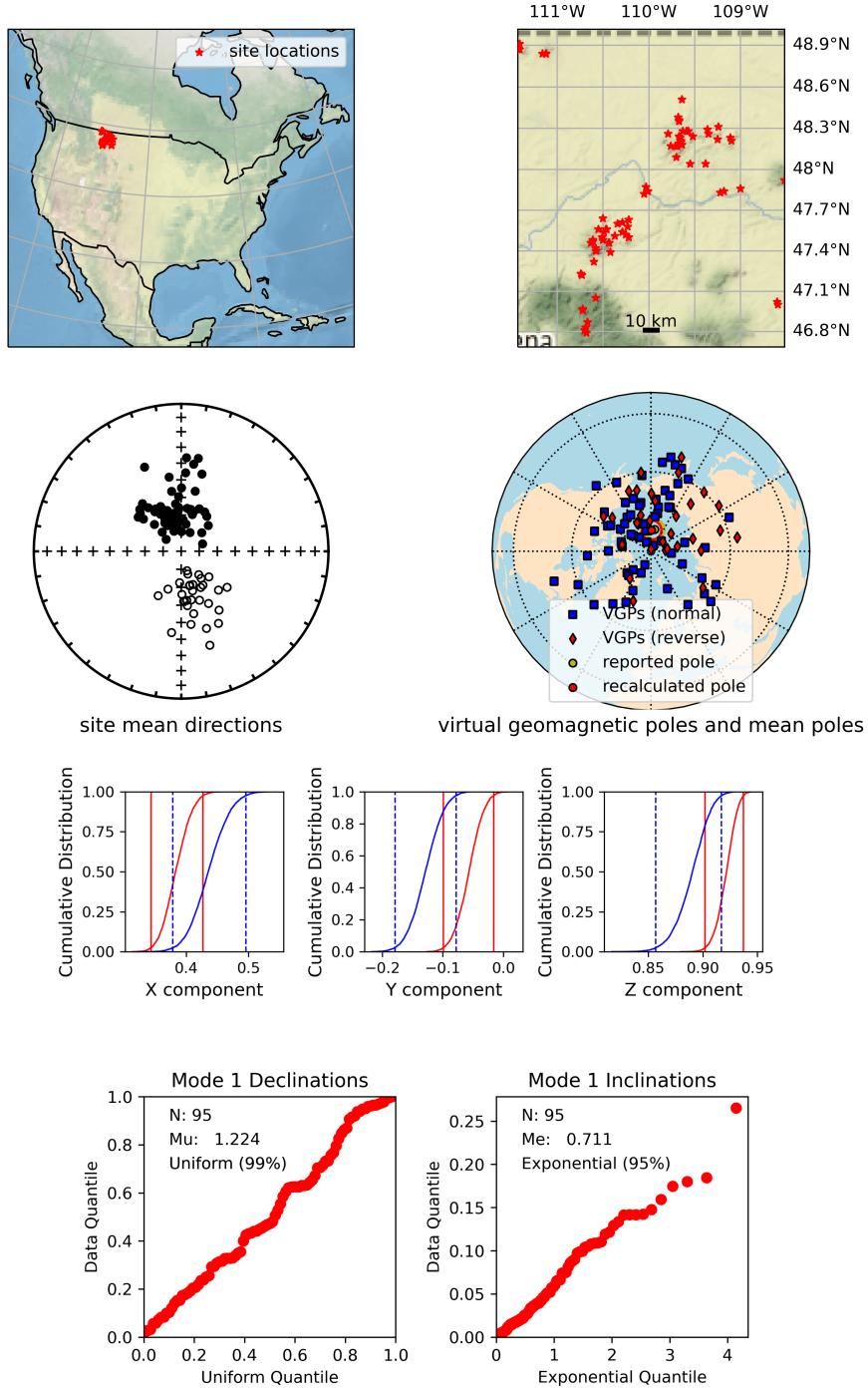


Figure 5: Summary of data from locality 4 (N Montana intrusions) pole 1 (Diehl et al. (1983)).

5 Long Valley Caldera volcanics

5.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	20	NaN	NaN	NaN
Mean pole (calculated from VGPs)	20	87.7	191.1	7.5
Mean pole (calculated from transformed directions)	20	87.7	191.1	7.5
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Consistent with Fisher distribution			

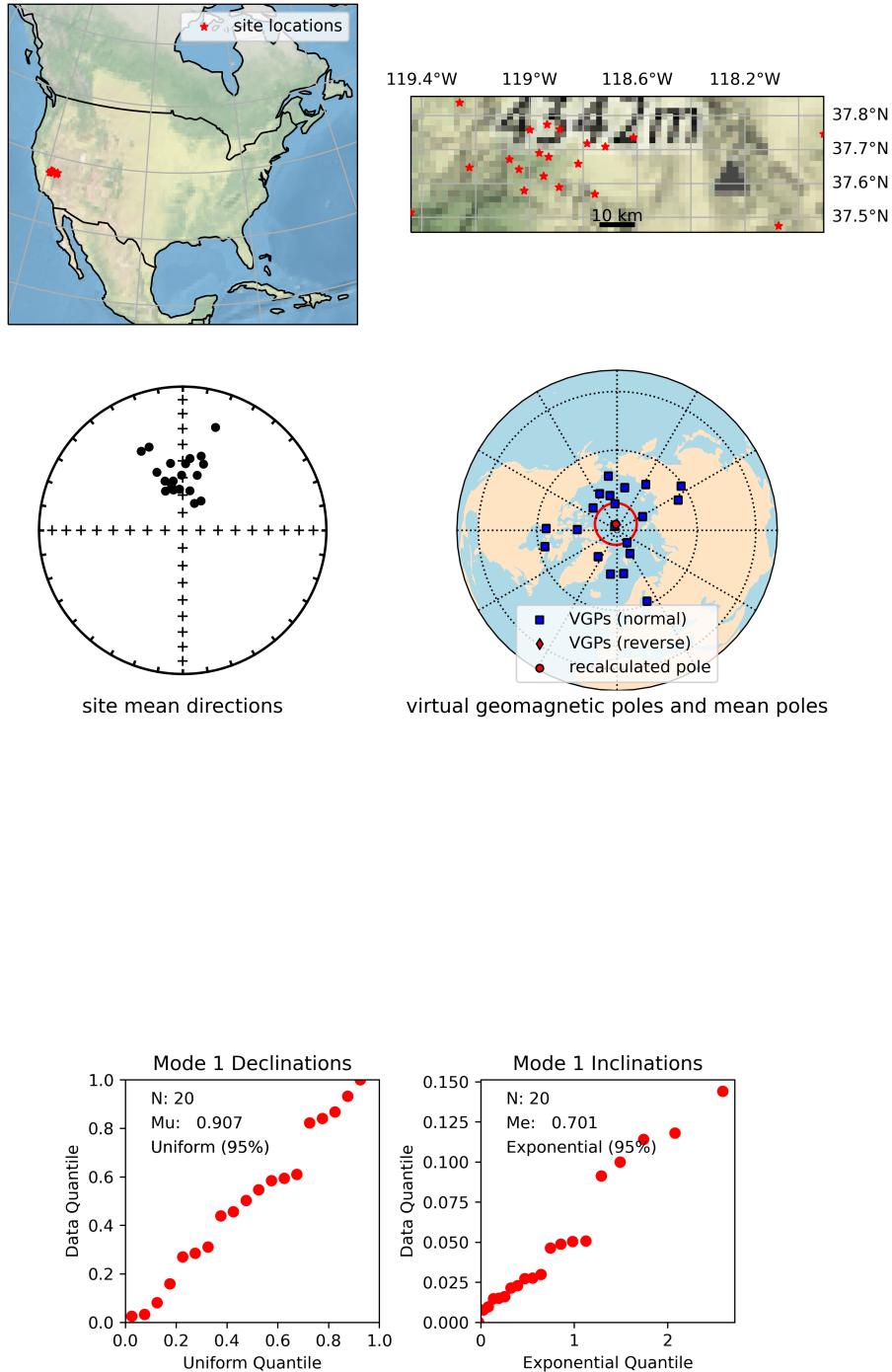


Figure 6: Summary of data from locality 5 (Long Valley Caldera volcanics) pole 1 (Mankinen et al. (1986)).

6 Robinson Anticline intrusions

6.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	16	NaN	NaN	NaN
Mean pole (calculated from VGPs)	16	77.5	149.8	7.5
Mean pole (calculated from transformed directions)	16	77.5	149.8	7.5
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 3.7° below 14.2° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

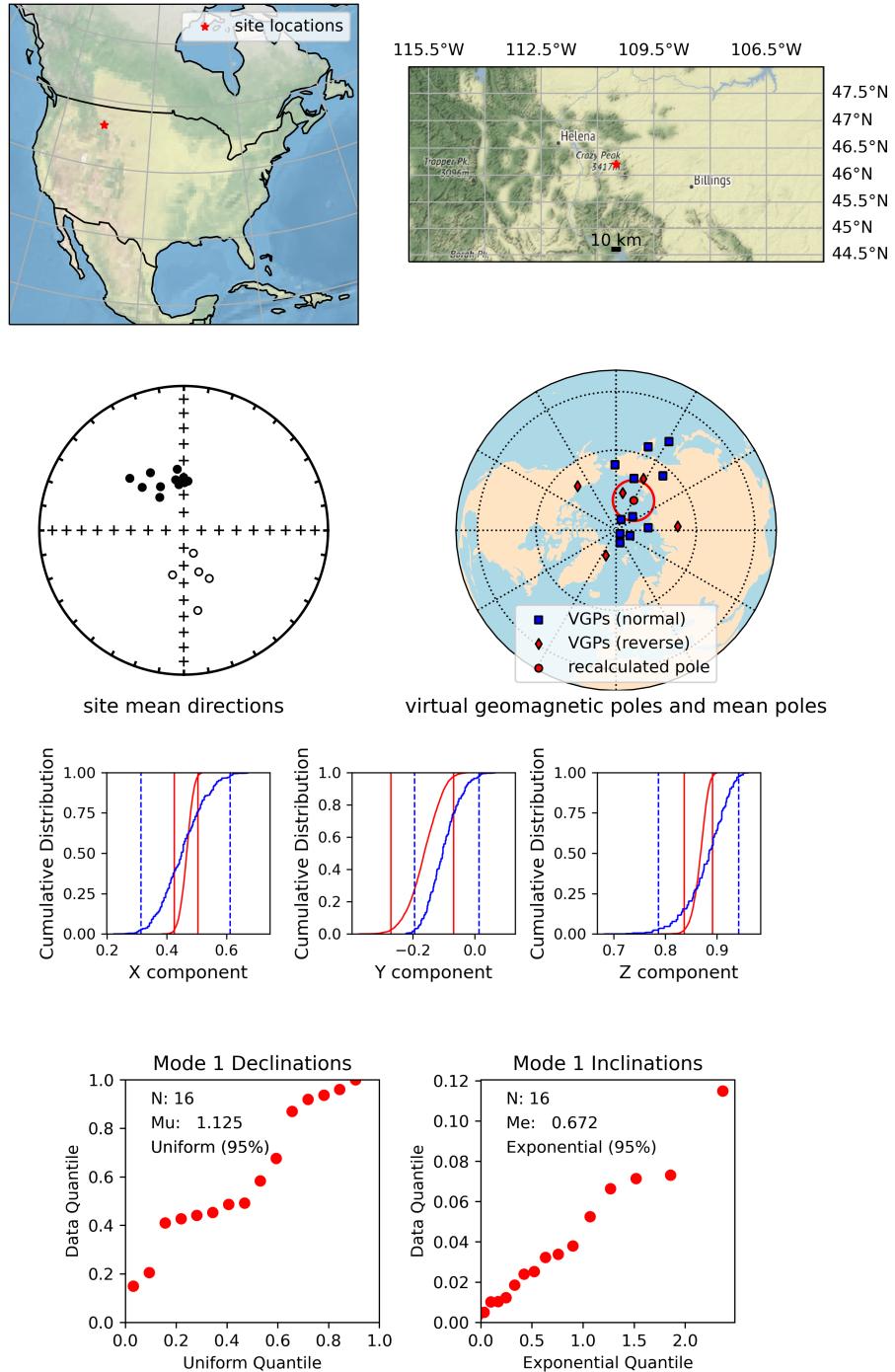


Figure 7: Summary of data from locality 6 (Robinson Anticline intrusions) pole 1 (Recalculated after data provided in Harlan et al. (1988).).

7 Central Mexico Plio-Pleistocene

7.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	13	-88.8	149.5	5.3
Mean pole (calculated from VGPs)	13	88.5	331.9	5.3
Mean pole (calculated from transformed directions)	13	88.5	335.0	5.3
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Consistent with Fisher distribution			

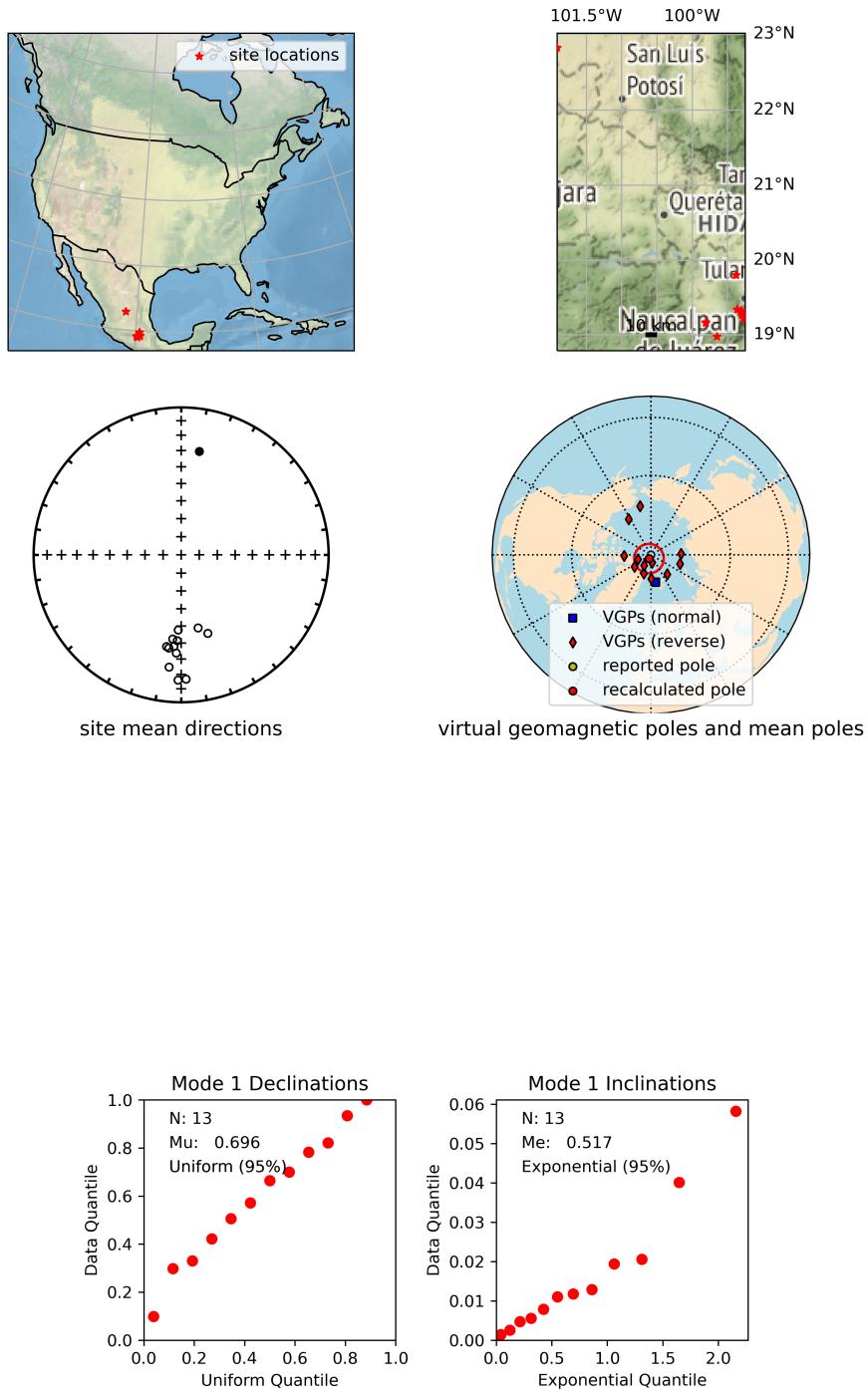


Figure 8: Summary of data from locality 7 (Central Mexico Plio-Pleistocene) pole 1 (Mejia et al. (2005)).

8 Rattlesnake Hills volcanics

8.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	18	79.4	146.2	9.6
Mean pole (calculated from VGPs)	18	79.4	146.1	9.6
Mean pole (calculated from transformed directions)	18	79.4	146.1	9.6
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Consistent with Fisher distribution			

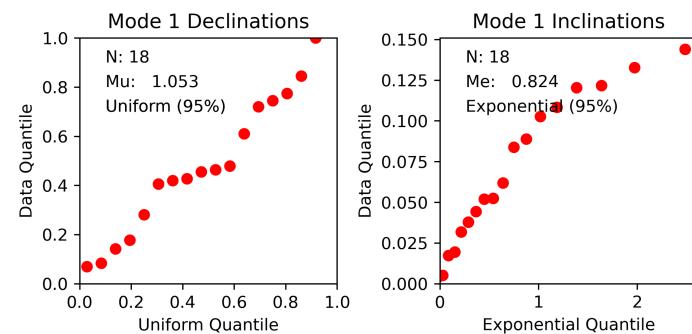
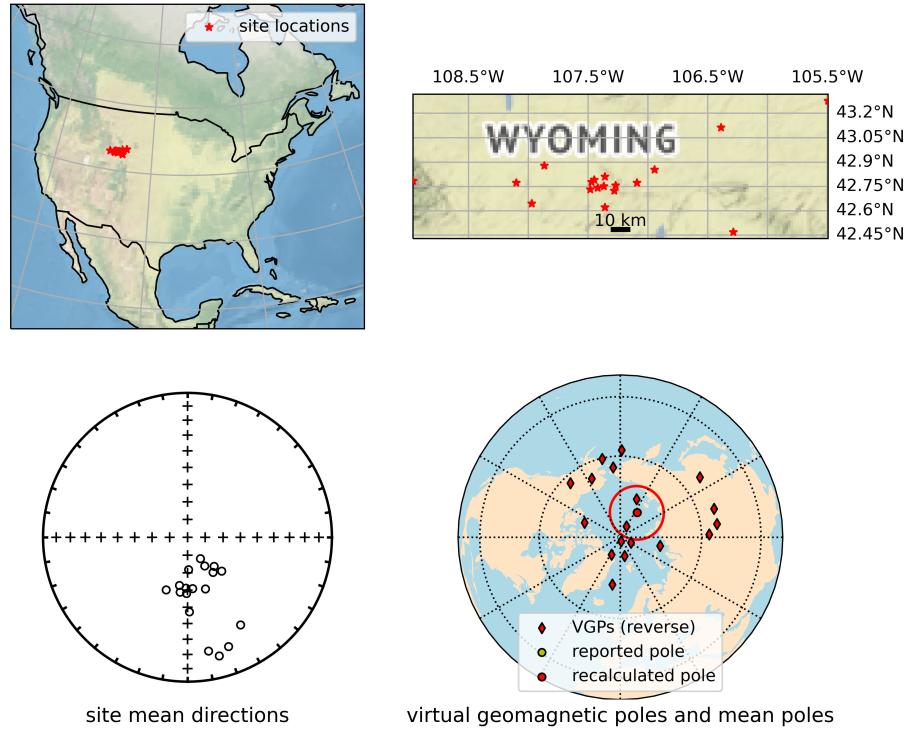


Figure 9: Summary of data from locality 8 (Rattlesnake Hills volcanics) pole 1 (Sheriff and Shive (1980)).

9 Ramsay Island lavas

9.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	11	78.1	119.9	7
Mean pole (calculated from VGPs)	37	83.3	119.2	5.7
Mean pole (calculated from transformed directions)	37	83.3	119.2	5.7
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Consistent with Fisher distribution			

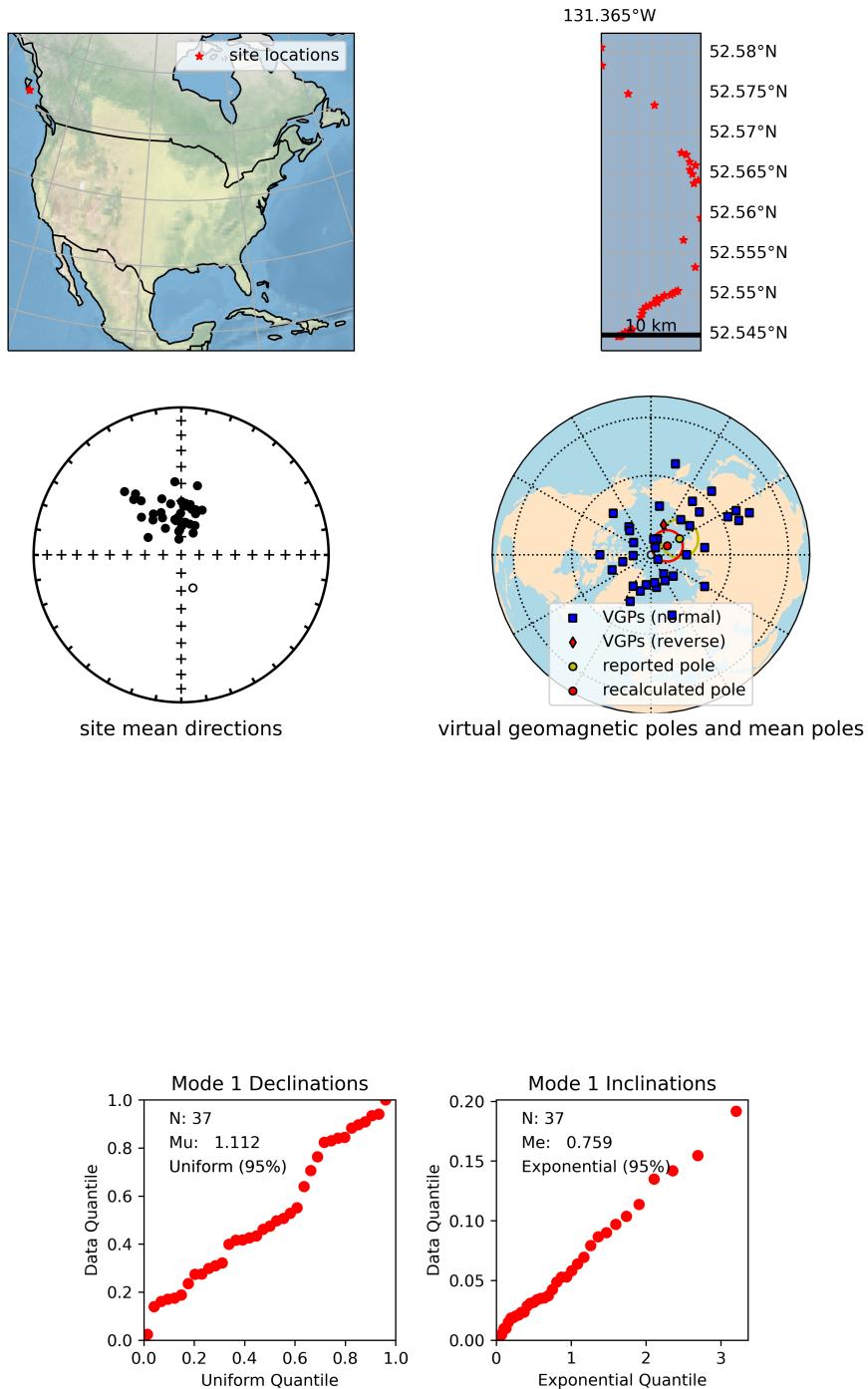


Figure 10: Summary of data from locality 9 (Ramsay Island lavas) pole 1 (Irving et al. (2000)).

10 Sierra de Las Cruces

10.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	25	80.1	161.8	4.5
Mean pole (calculated from VGPs)	25	80.8	156.6	4.7
Mean pole (calculated from transformed directions)	25	80.8	156.6	4.7
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 9.0° below 10.9° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

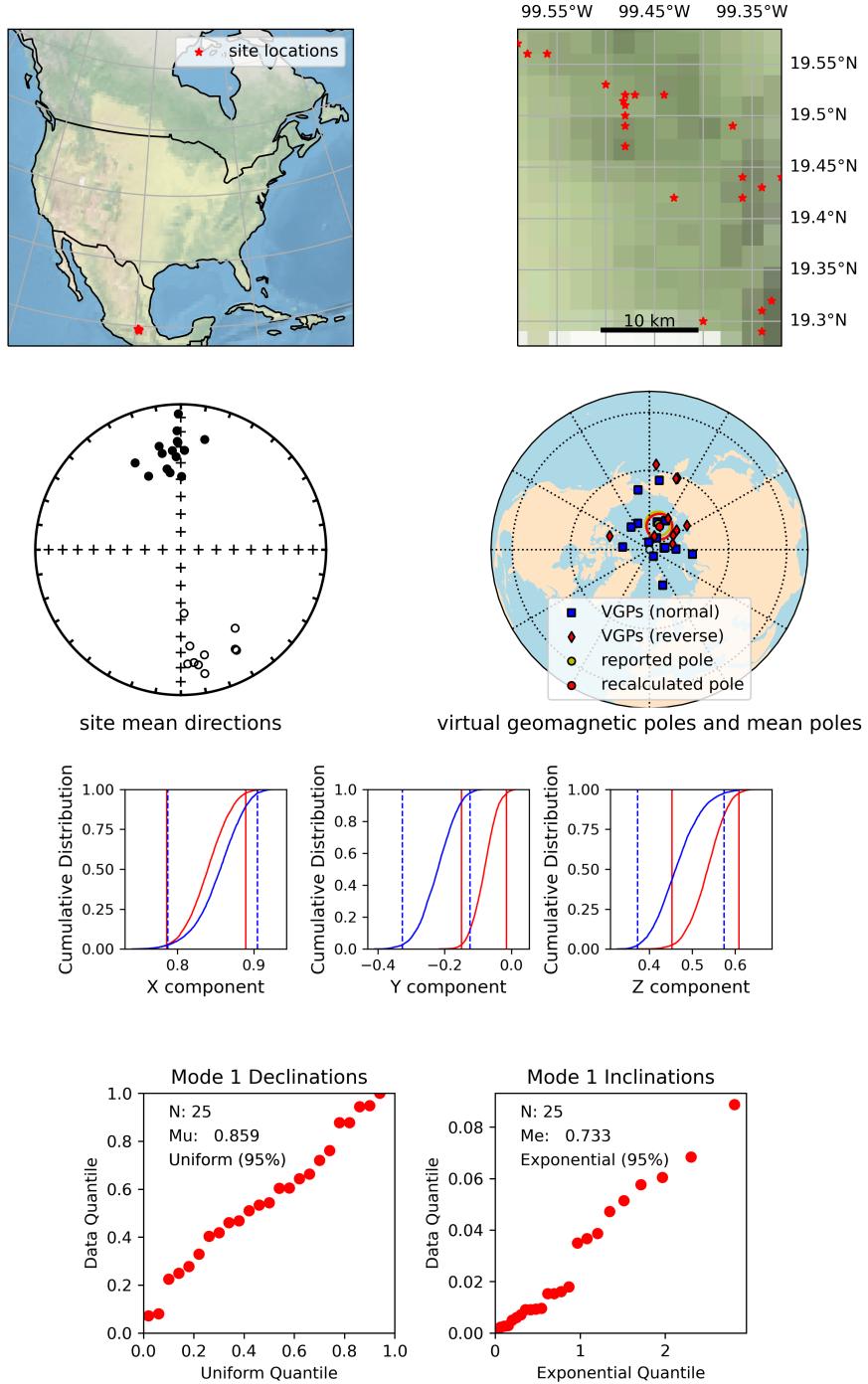


Figure 11: Summary of data from locality 10 (Sierra de Las Cruces) pole 1 (Osete et al. (2000)).

11 Snake River Plain

11.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	23	86.9	7.8	6.2
Mean pole (calculated from VGPs)	23	86.9	7.8	6.2
Mean pole (calculated from transformed directions)	23	86.9	7.8	6.2
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 2.1° below 9.7° critical angle); B classification			
Bayesian reversal test	Common mean: strong support			
Fisher Q-Q test	Consistent with Fisher distribution			

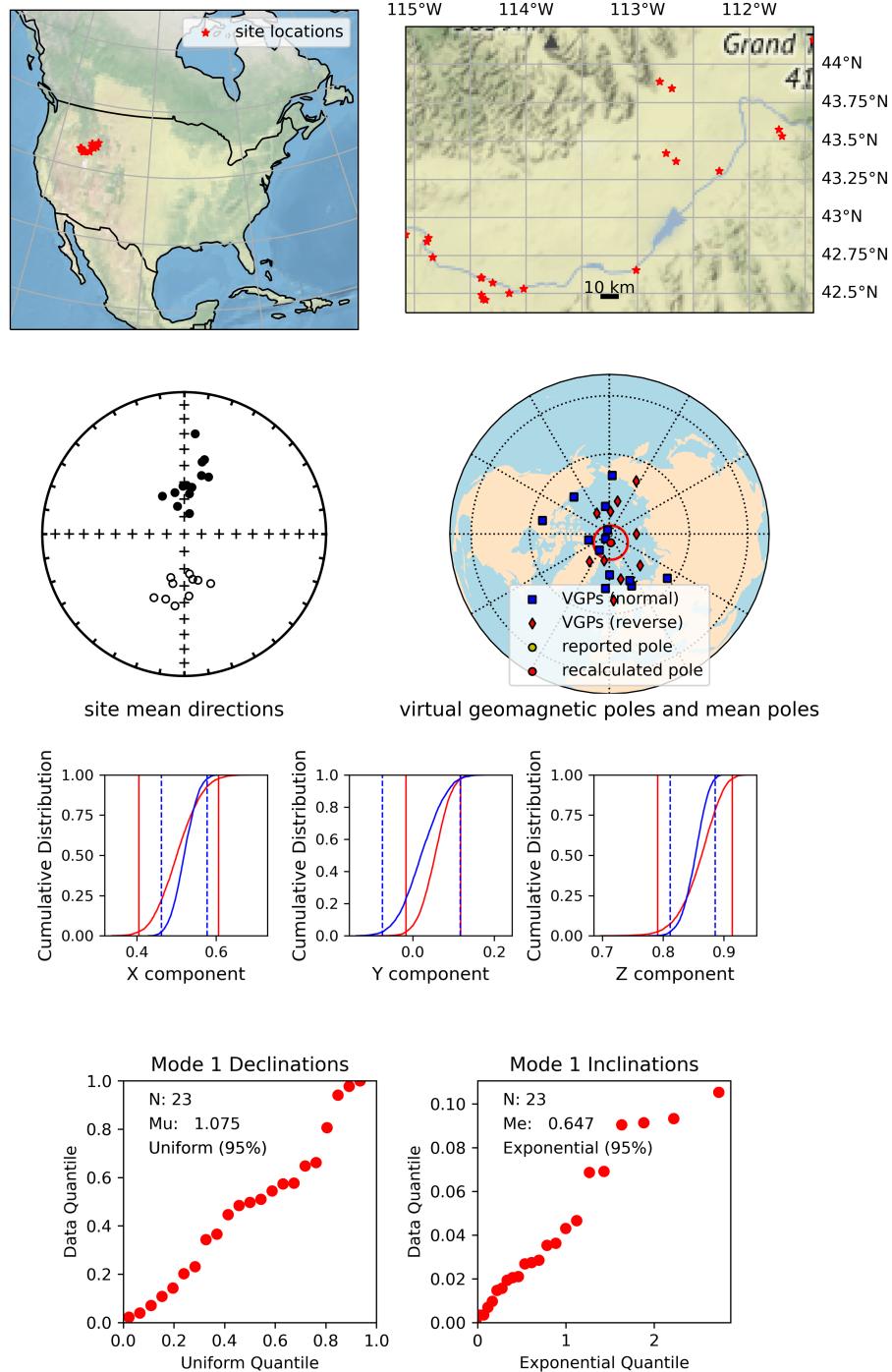


Figure 12: Summary of data from locality 11 (Snake River Plain) pole 1 (Tauxe et al. (2004)).

12 Sonoma volcanics

12.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	25	80.2	69.2	6.8
Mean pole (calculated from VGPs)	26	80.3	68.9	6.5
Mean pole (calculated from transformed directions)	26	80.3	68.8	6.5
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 6.0° below 14.5° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

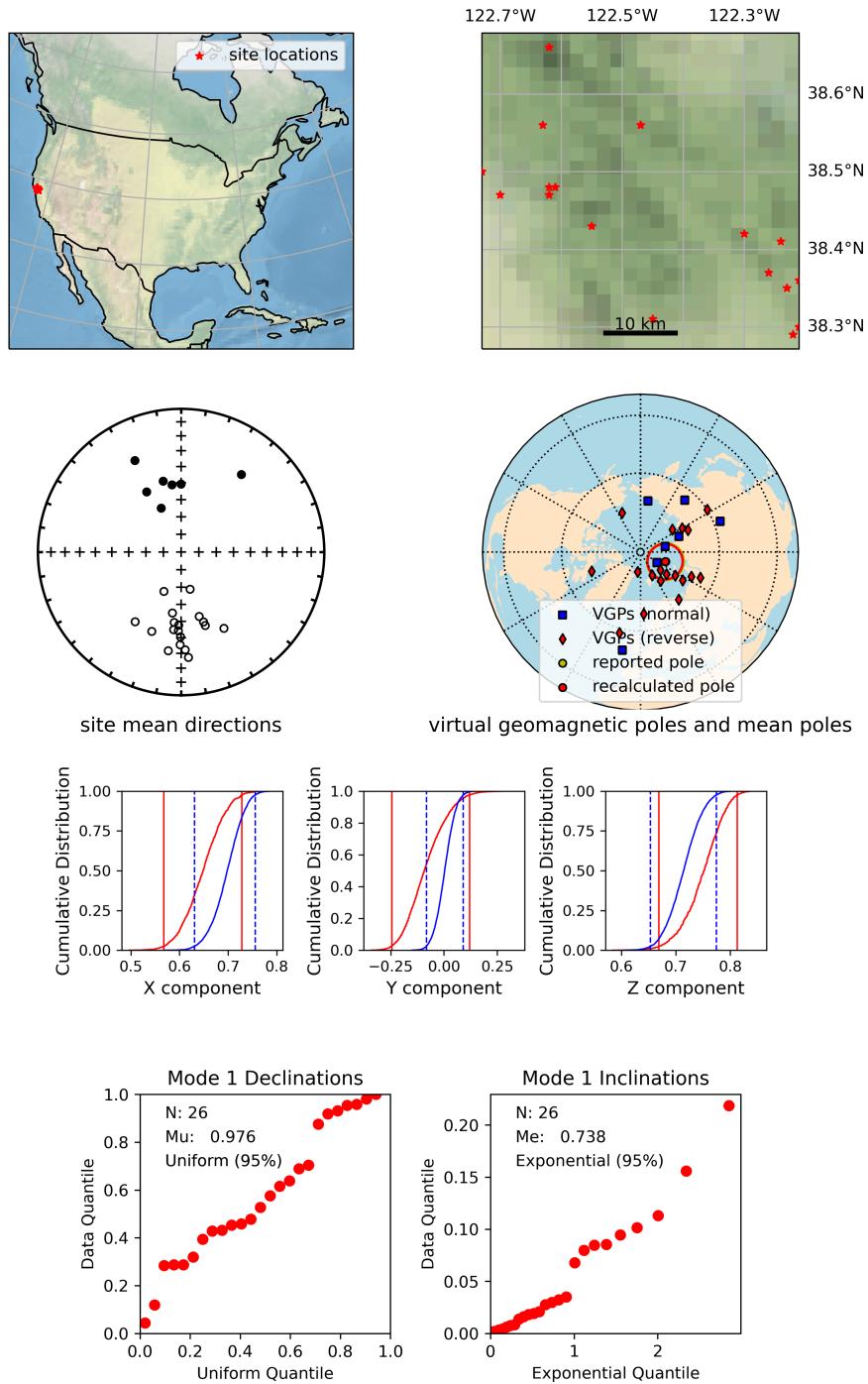


Figure 13: Summary of data from locality 12 (Sonoma volcanics) pole 1 (Mankinen (1989); Mankinen (1972)).

13 Mistastin Lake impact

13.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	10	85.5	117.7	NaN
Mean pole (calculated from VGPs)	10	85.5	121.0	4.4
Mean pole (calculated from transformed directions)	10	85.5	121.0	4.4
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Too few sites			

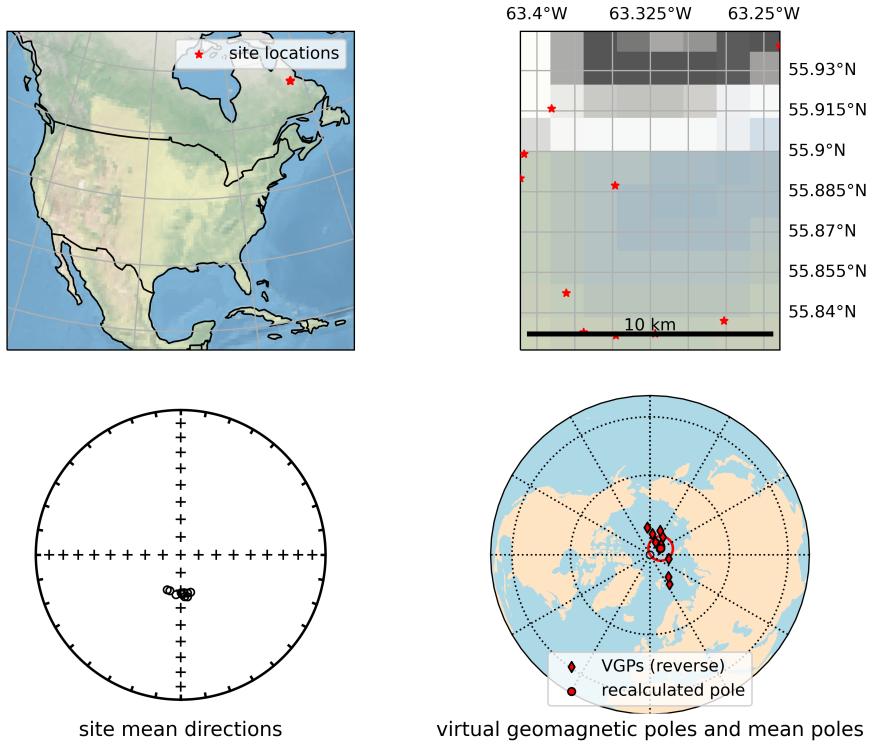


Figure 14: Summary of data from locality 13 (Mistastin Lake impact) pole 1 (Currie and Larochelle (1969)).

13.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	15	NaN	NaN	NaN
Mean pole (calculated from VGPs)	15	83.7	99.9	4.1
Mean pole (calculated from transformed directions)	15	83.7	99.9	4.1
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Consistent with Fisher distribution			

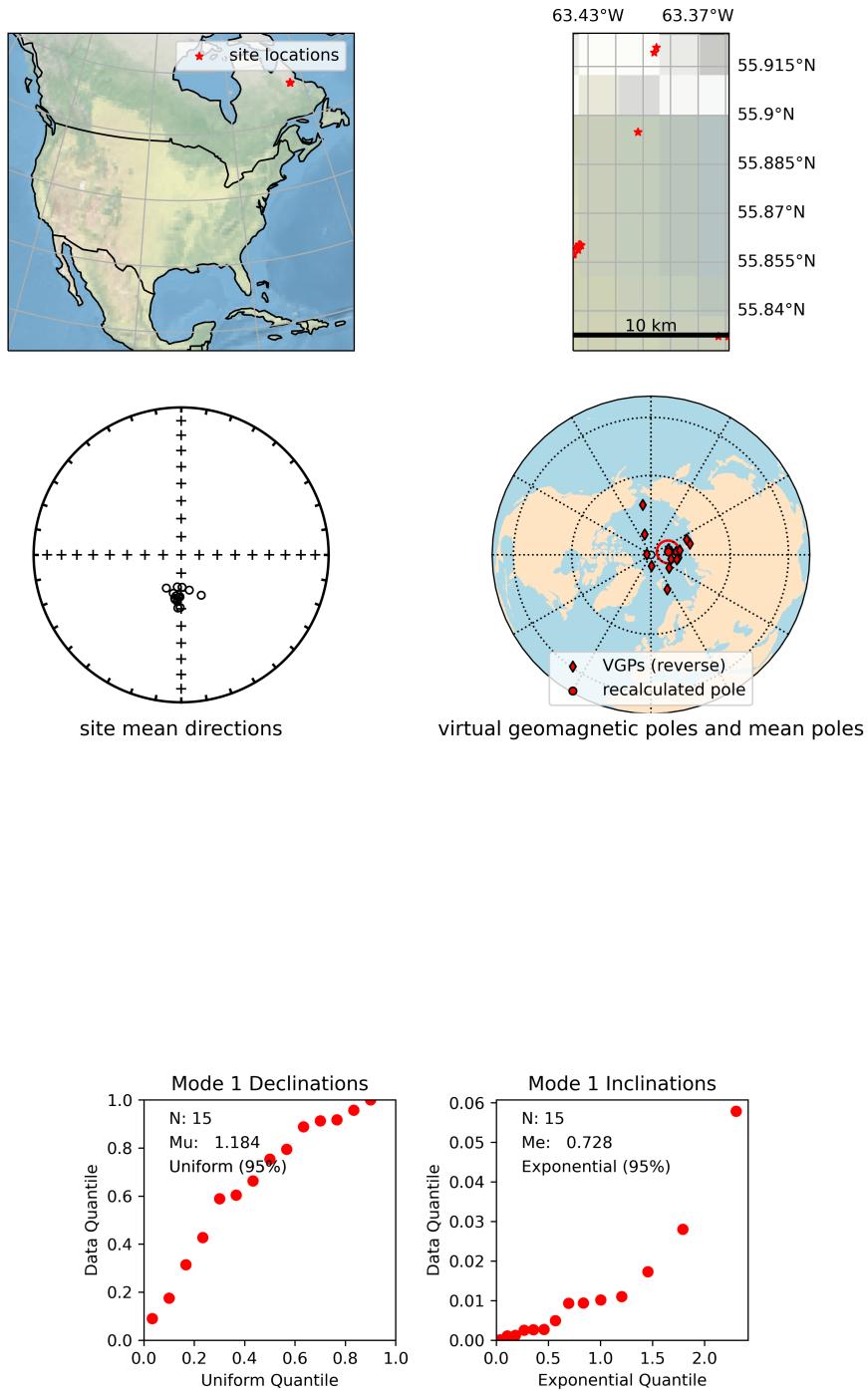


Figure 15: Summary of data from locality 13 (Mistastin Lake impact) pole 2 (Herve et al. (2015)).

14 Bighorn Basin sediments

14.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	59	NaN	NaN	NaN
Mean pole (calculated from VGPs)	59	81.6	182.8	6.0
Mean pole (calculated from transformed directions)	59	81.5	182.8	6.0
result				
Bootstrap reversal test	Fail			
Parametric reversal test	Fail (angle 19.2° above 9.8° critical angle)			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Consistent with Fisher distribution			

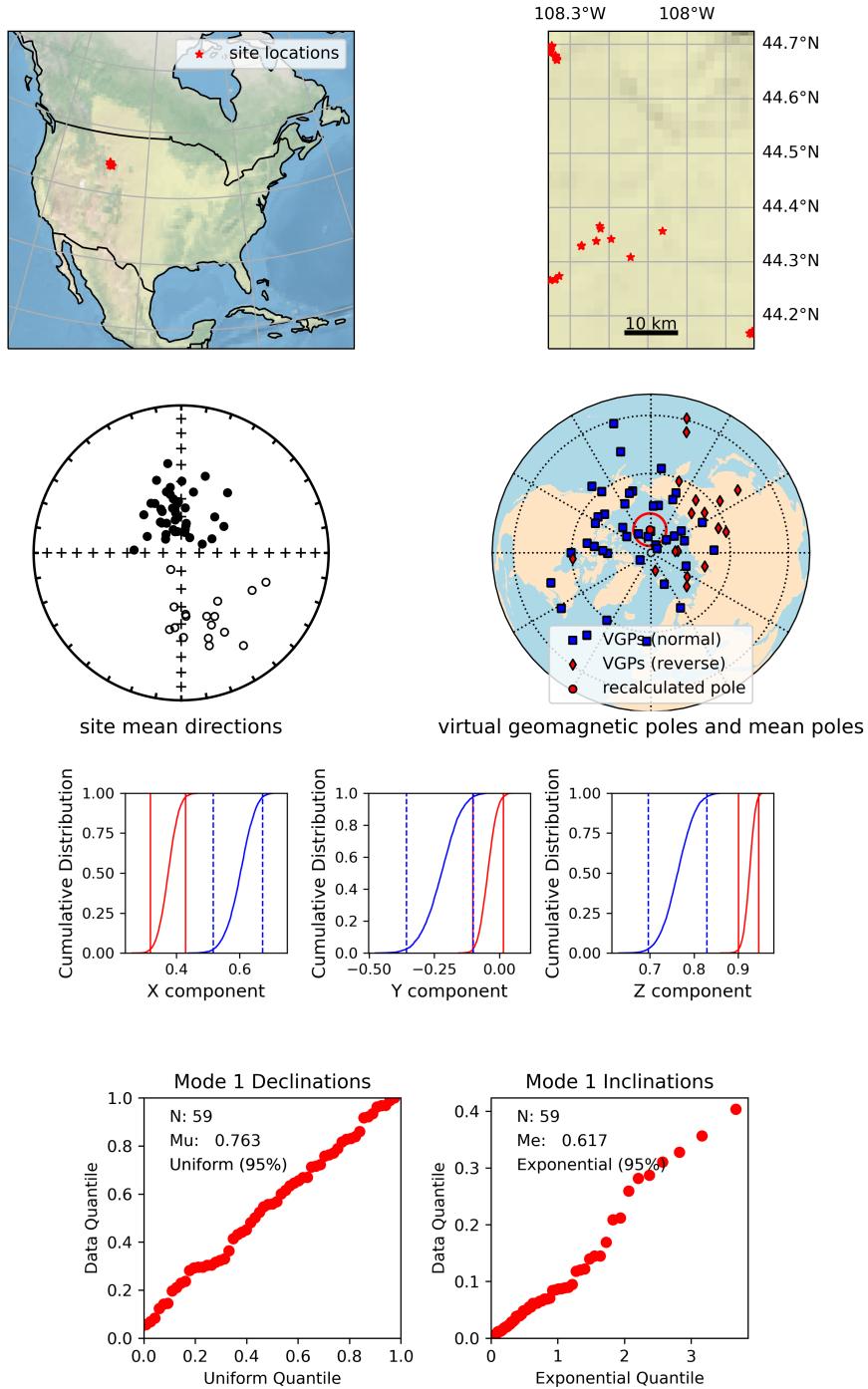


Figure 16: Summary of data from locality 14 (Bighorn Basin sediments) pole 1 (Clyde et al. (2007)).

15 Absaroka volcanics

15.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	19	83.5	177.4	10.1
Mean pole (calculated from VGPs)	19	83.4	178.6	11.1
Mean pole (calculated from transformed directions)	19	83.4	178.6	11.1
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 9.0° below 22.4° critical angle); indeterminate classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

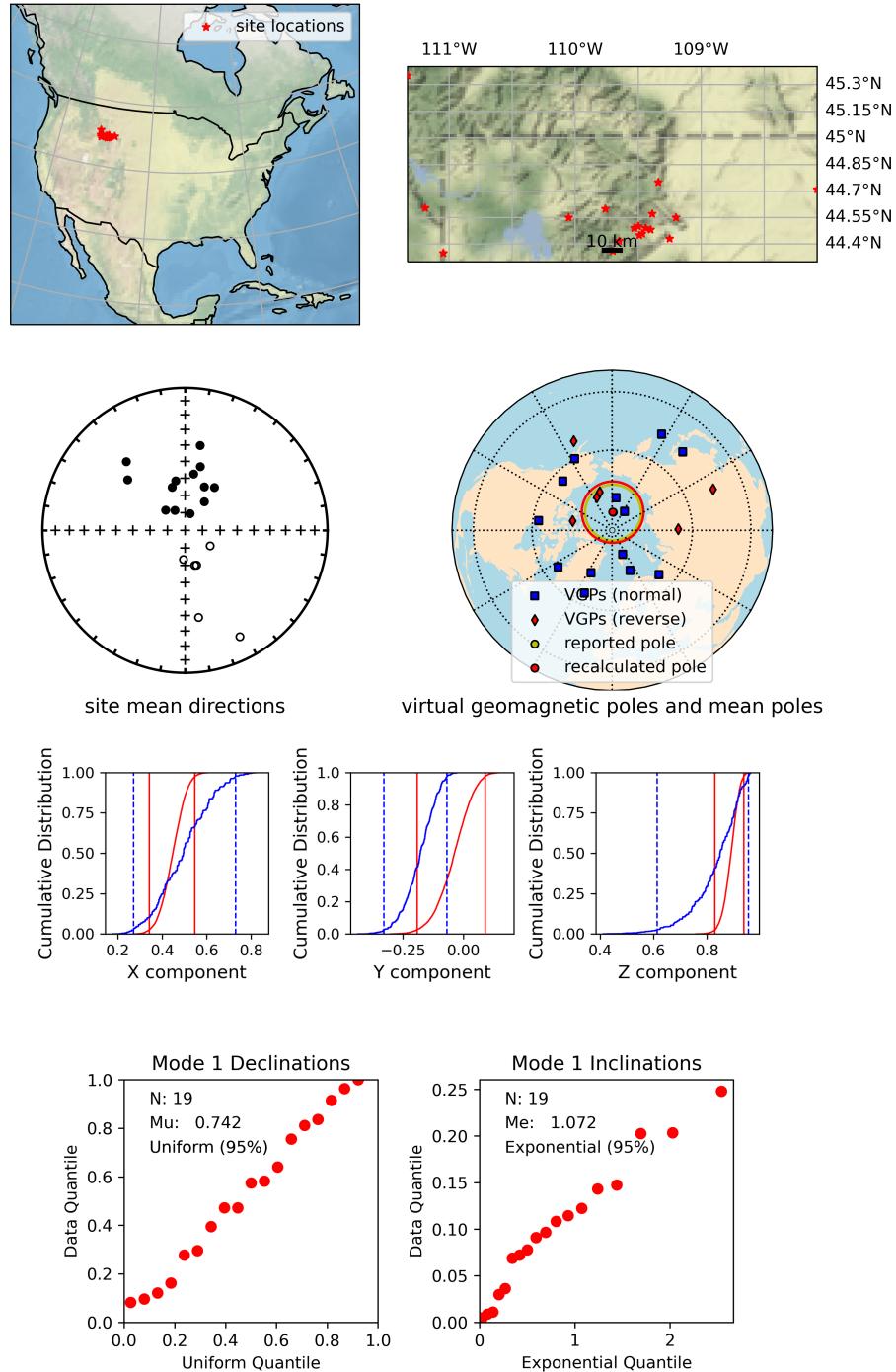


Figure 17: Summary of data from locality 15 (Absaroka volcanics) pole 1 (Shive and Pruss (1977)).

15.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	3	NaN	NaN	NaN
Mean pole (calculated from VGPs)	3	65.6	94.6	58.4
Mean pole (calculated from transformed directions)	3	65.6	94.6	58.4
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Too few sites			

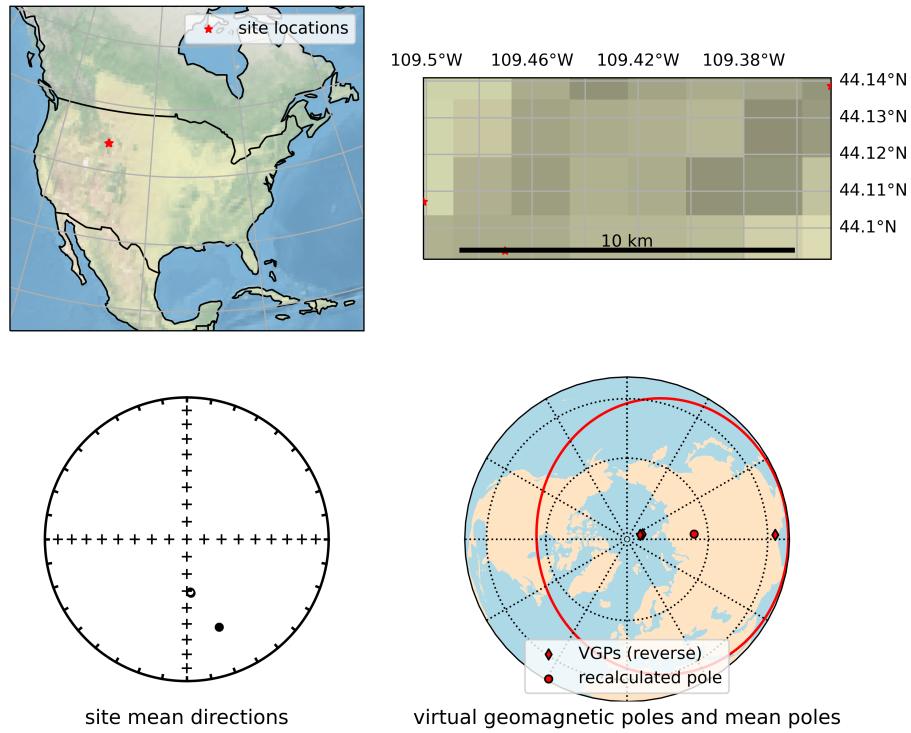


Figure 18: Summary of data from locality 15 (Absaroka volcanics) pole 2 (Re-calculated from Nyblade et al. (1986) [who didn't calculate a pole position]).
36

15.3 Pole 3

	N	Plat	Plon	A95
Reported mean pole	22	80.8	145.9	8.6
Mean pole (calculated from VGPs)	22	80.8	146.7	8.6
Mean pole (calculated from transformed directions)	22	80.8	146.6	8.6
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 8.0° below 11.9° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

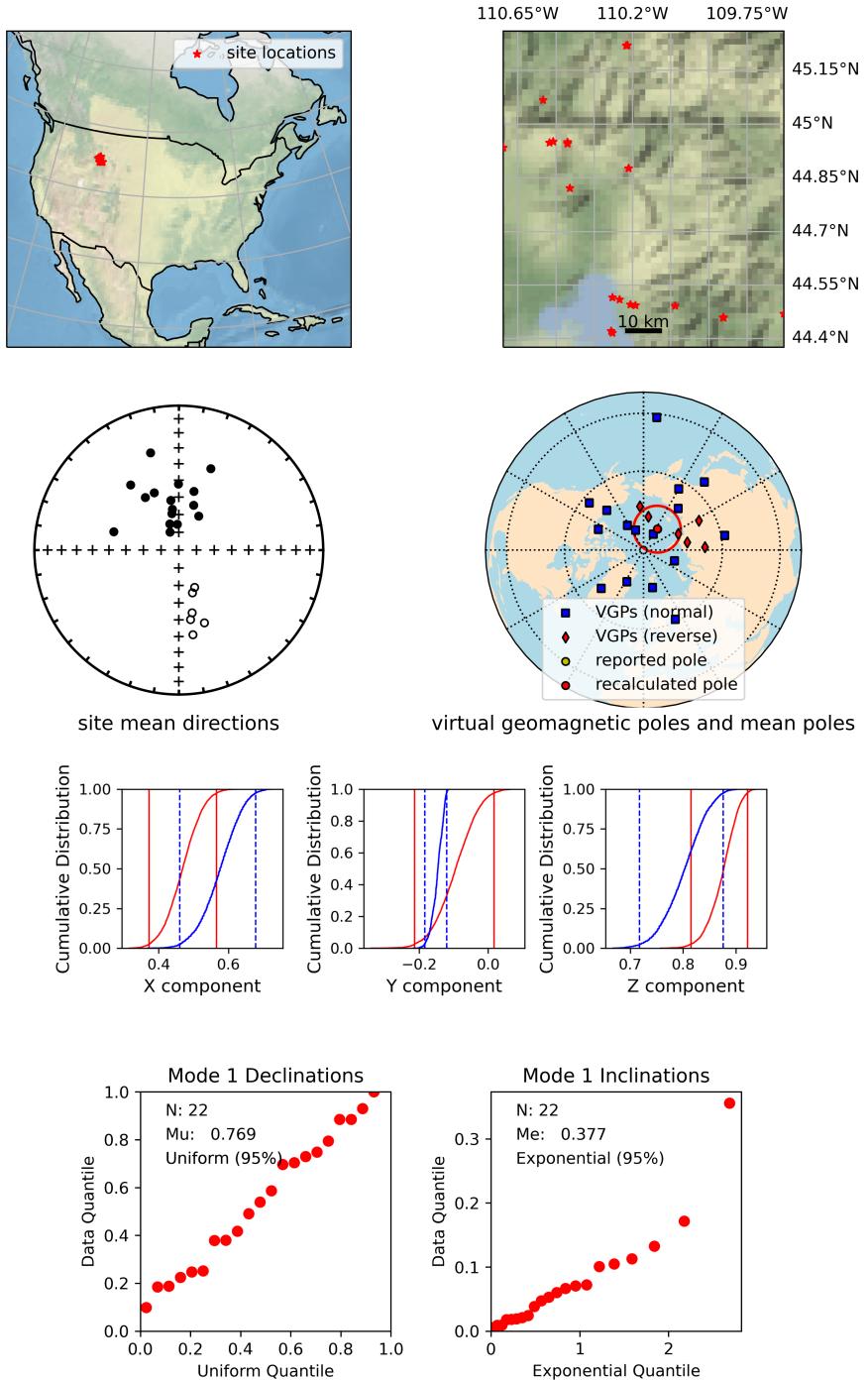


Figure 19: Summary of data from locality 15 (Absaroka volcanics) pole 3 (Harlan and Morgan (2010)).

16 Eastern TMVB

16.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	12	86.8	96.8	6.5
Mean pole (calculated from VGPs)	12	86.3	116.9	6.8
Mean pole (calculated from transformed directions)	12	86.3	116.9	6.8
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Consistent with Fisher distribution			

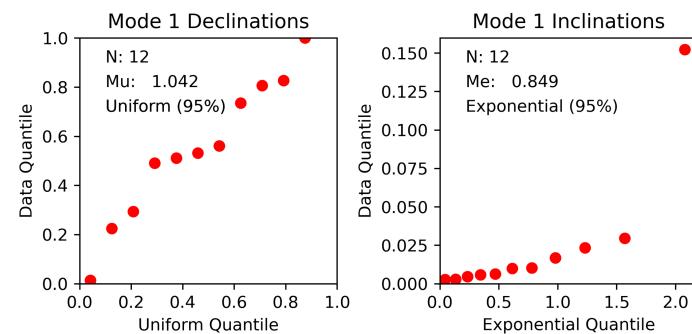
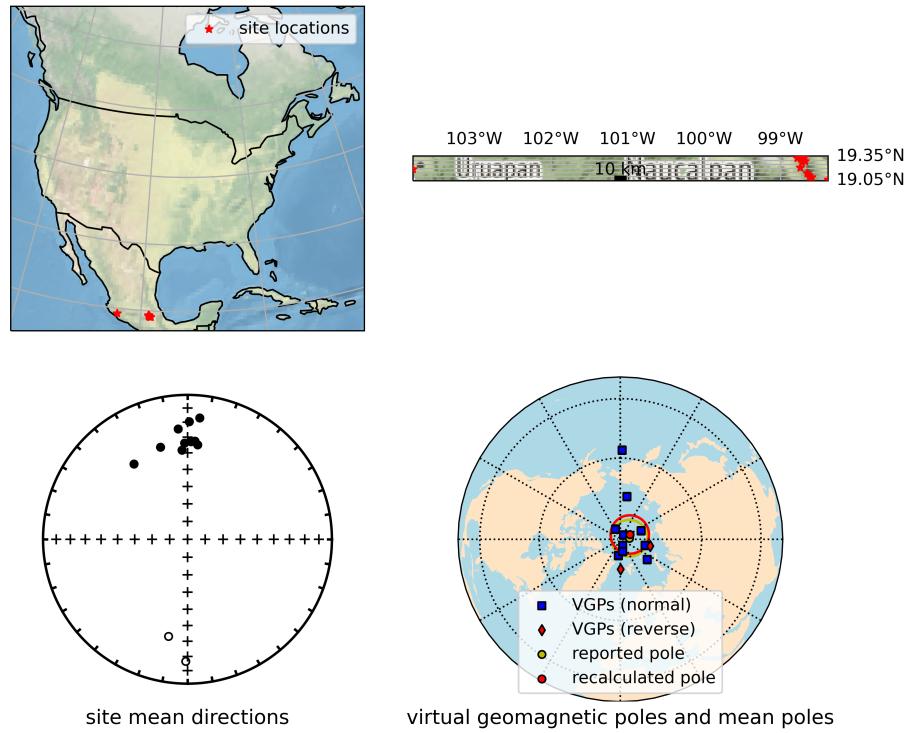


Figure 20: Summary of data from locality 16 (Eastern TMVB) pole 1 (Ruiz-Martínez et al. (2000)).

16.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	3	82.1	190.7	18.0
Mean pole (calculated from VGPs)	3	82.5	180.8	14.3
Mean pole (calculated from transformed directions)	3	82.5	180.8	14.3
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Too few sites			

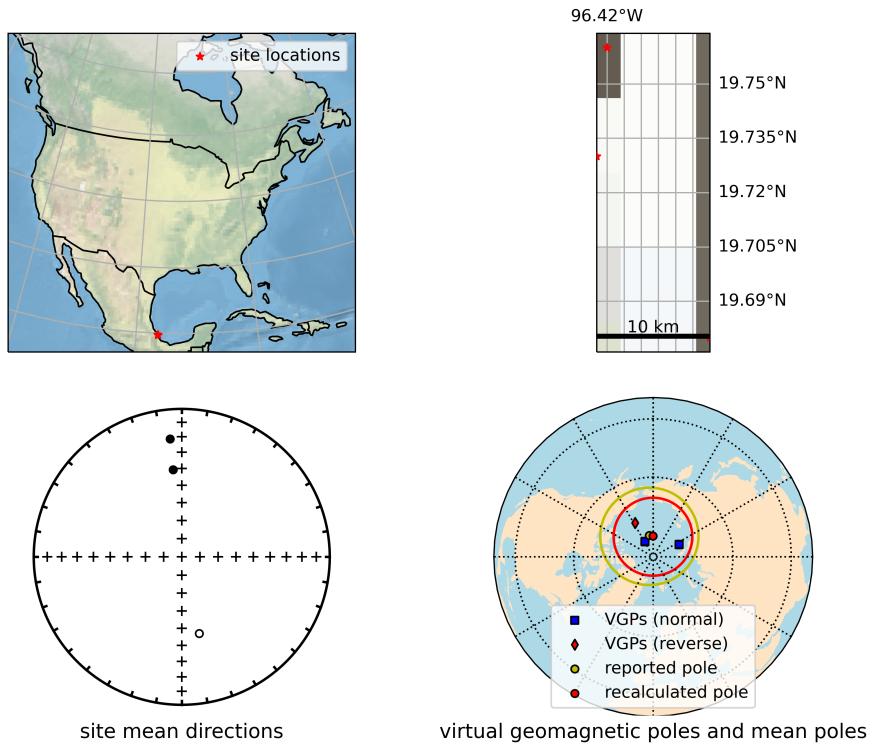


Figure 21: Summary of data from locality 16 (Eastern TMVB) pole 2 (Ruiz-Martínez et al. (2000)).

16.3 Pole 3

	N	Plat	Plon	A95
Reported mean pole	17	80.5	188.1	8.1
Mean pole (calculated from VGPs)	17	79.8	186.2	8.5
Mean pole (calculated from transformed directions)	17	79.8	186.2	8.5
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 1.7° below 18.4° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

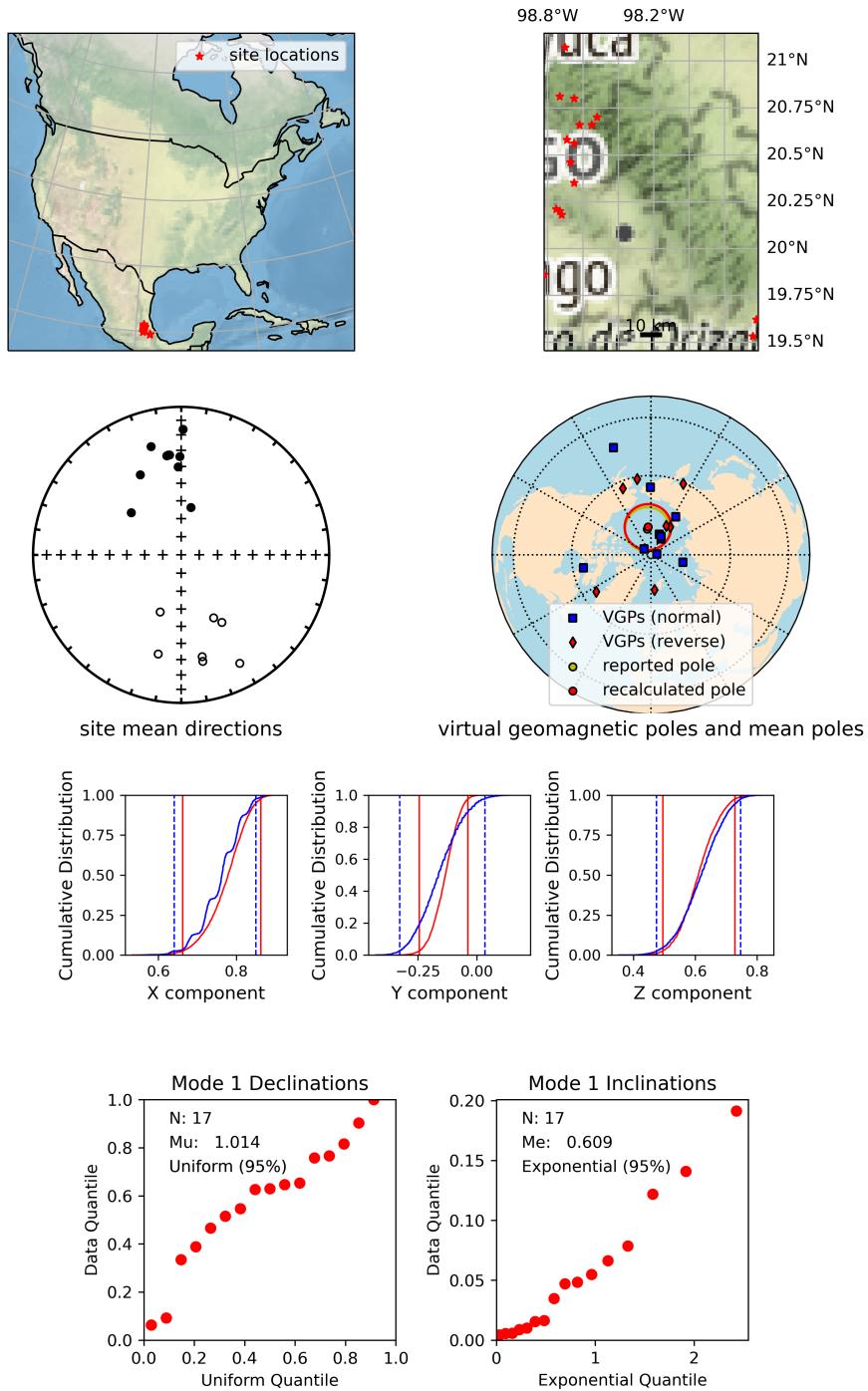


Figure 22: Summary of data from locality 16 (Eastern TMVB) pole 3 (Ruiz-Martínez et al. (2000)).

17 Bishop tuff

17.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	1	NaN	NaN	NaN
Mean pole (calculated from VGPs)	NaN	NaN	NaN	NaN
Mean pole (calculated from transformed directions)	NaN	NaN	NaN	NaN
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Too few sites			

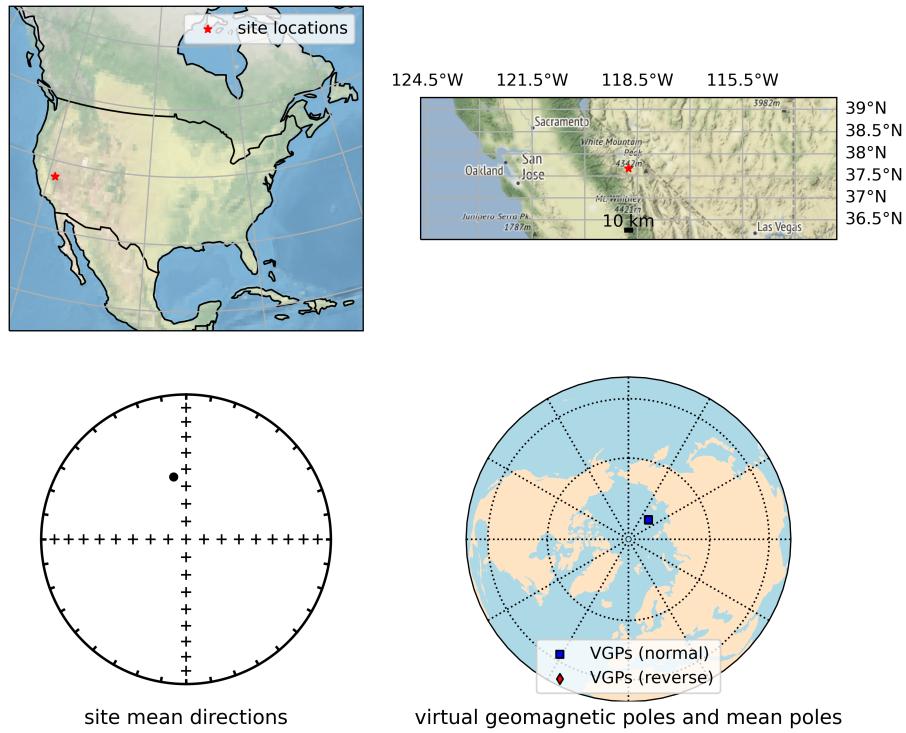


Figure 23: Summary of data from locality 17 (Bishop tuff) pole 1 (Palmer et al. (1996)).

18 Western Central TMVB

18.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	10	86.7	314.0	7.5
Mean pole (calculated from VGPs)	10	86.7	314.0	7.5
Mean pole (calculated from transformed directions)	10	86.7	313.9	7.5
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 5.6° below 15.9° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Too few sites			

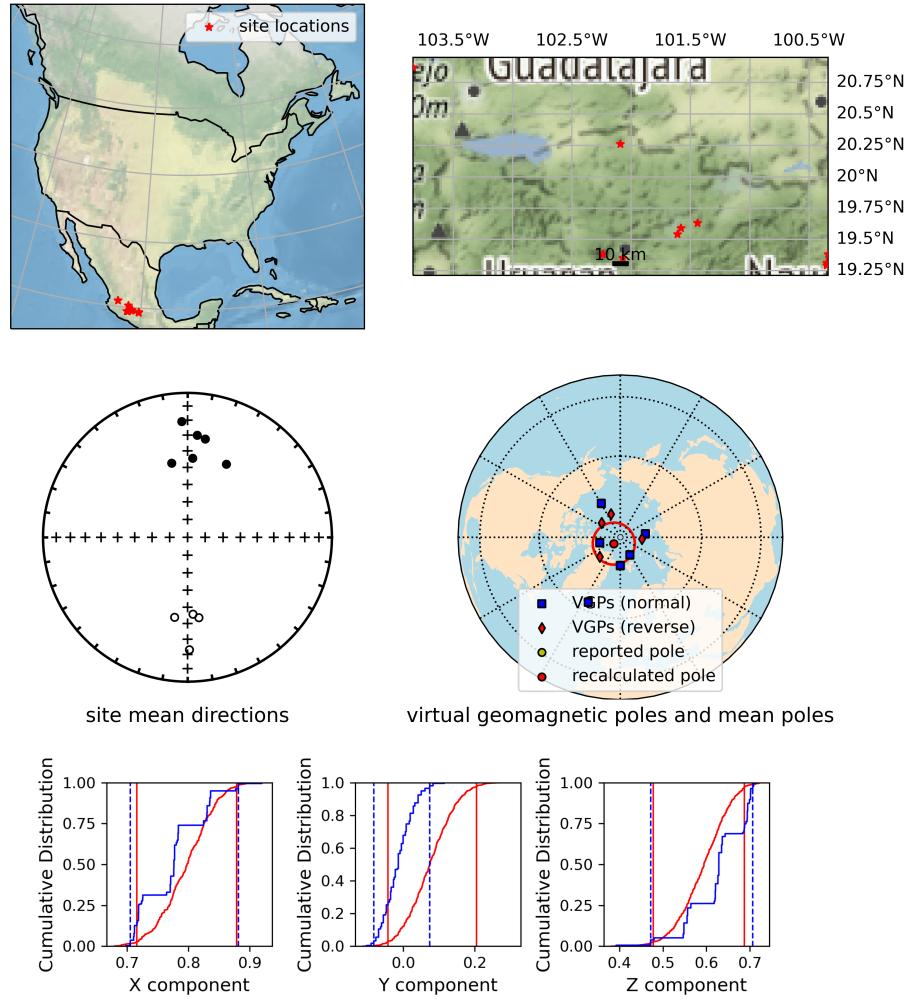


Figure 24: Summary of data from locality 18 (Western Central TMVB) pole 1 (Ruiz-Martínez et al. (2010)).

18.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	33	88.0	265.5	5.0
Mean pole (calculated from VGPs)	33	87.9	270.8	5.1
Mean pole (calculated from transformed directions)	33	87.9	270.6	5.1
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 3.6° below 11.1° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

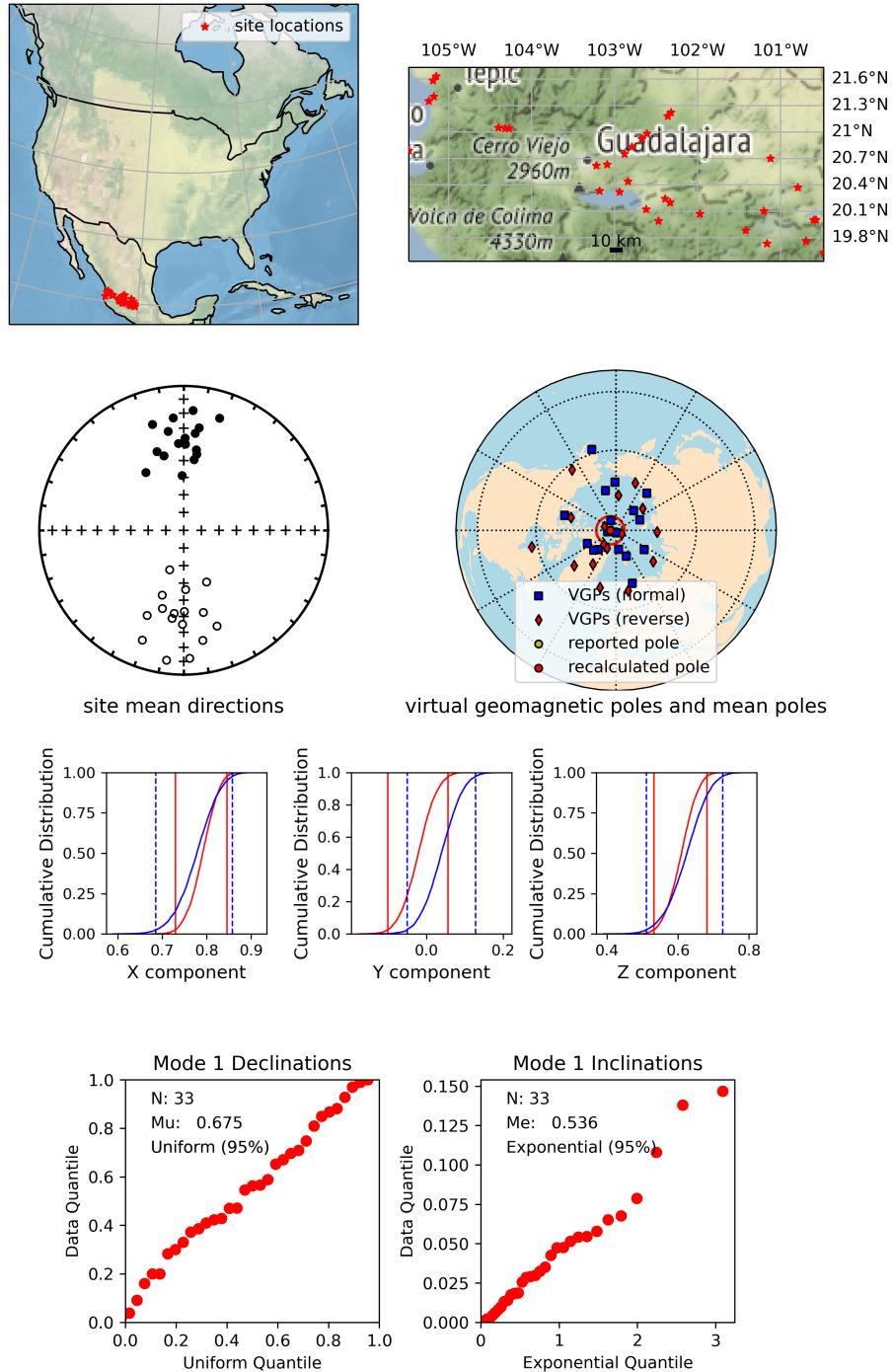


Figure 25: Summary of data from locality 18 (Western Central TMVB) pole 2 (Ruiz-Martínez et al. (2010)).

19 Dinan Bay lavas

19.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	13	83.3	137.8	9.8
Mean pole (calculated from VGPs)	13	83.3	144.3	9.8
Mean pole (calculated from transformed directions)	13	83.3	144.3	9.8
result				
Bootstrap reversal test	Fail			
Parametric reversal test	Pass (angle 8.1° below 22.3° critical angle); indeterminate classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

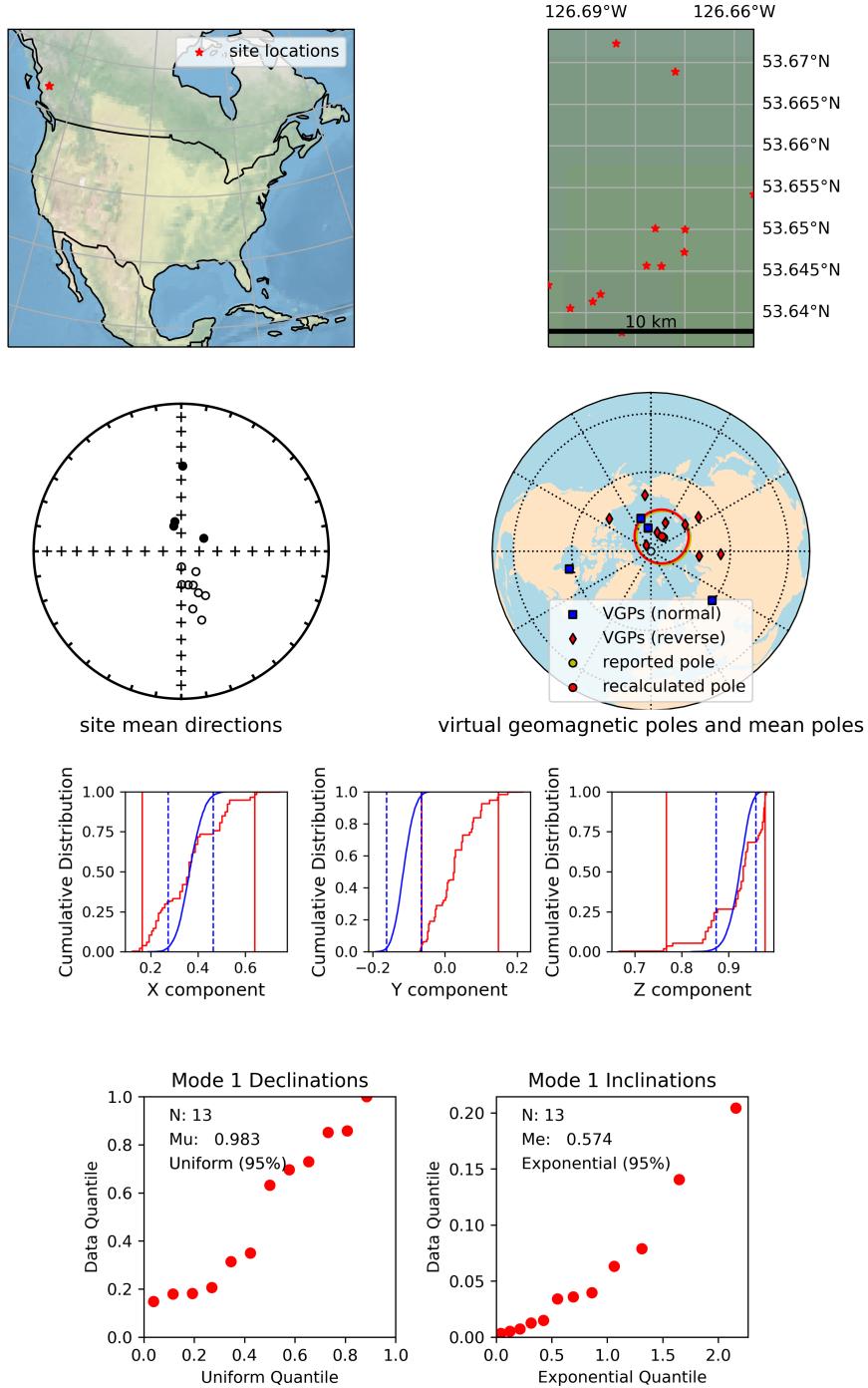


Figure 26: Summary of data from locality 19 (Dinan Bay lavas) pole 1 (Irving et al. (2000)).

20 Valles Caldera volcanics

20.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	10	NaN	NaN	NaN
Mean pole (calculated from VGPs)	11	87.1	38.6	13.4
Mean pole (calculated from transformed directions)	11	87.1	38.5	13.4
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 6.6° below 25.1° critical angle); indeterminate classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Fisher distribution rejected			

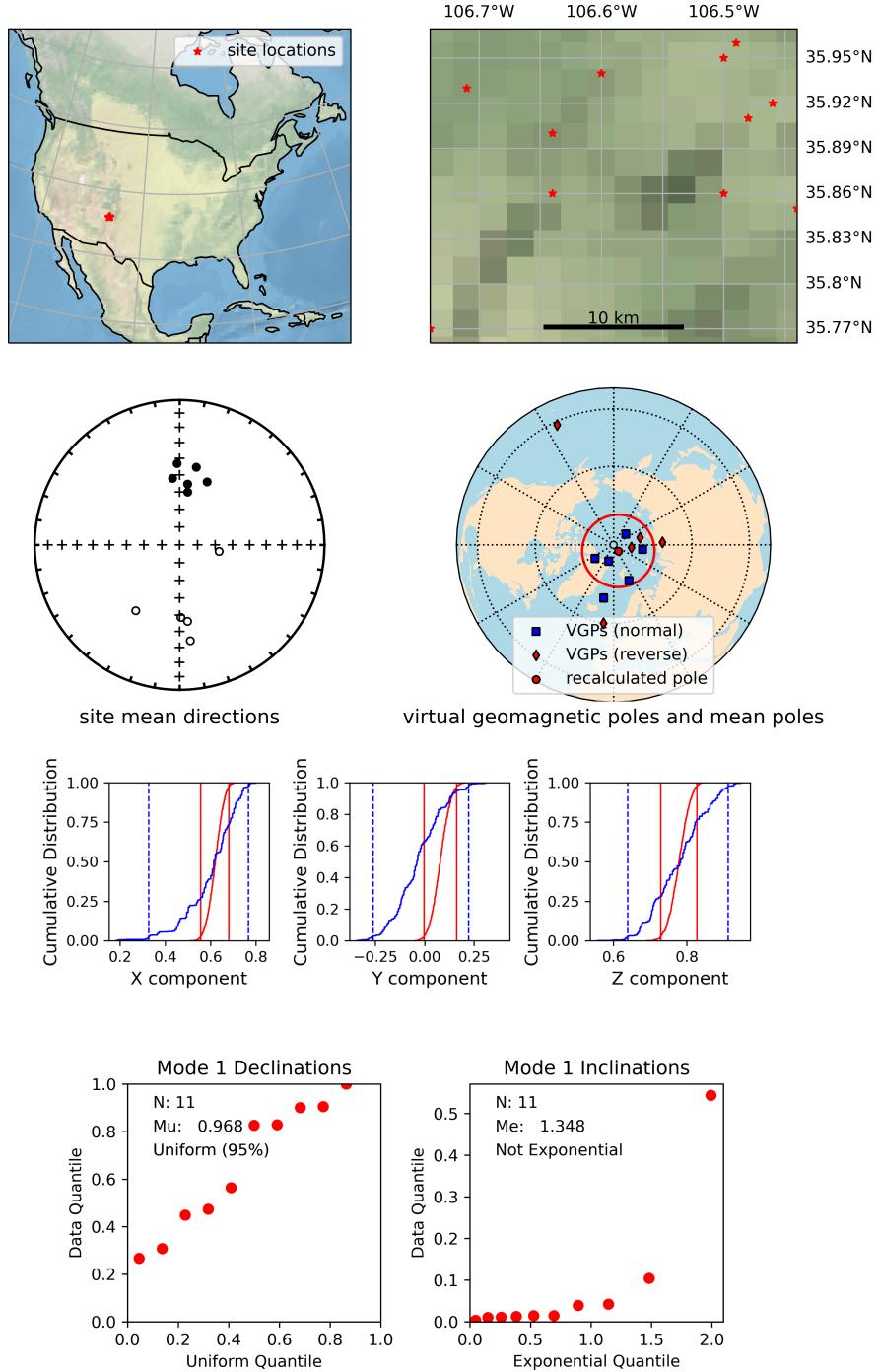


Figure 27: Summary of data from locality 20 (Valles Caldera volcanics) pole 1 (Doell et al. (1968)).

21 Bitterroot Dome intrusions

21.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	11	NaN	NaN	NaN
Mean pole (calculated from VGPs)	11	72.3	165.0	7.9
Mean pole (calculated from transformed directions)	11	72.2	164.4	7.9
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 2.9° below 13.1° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

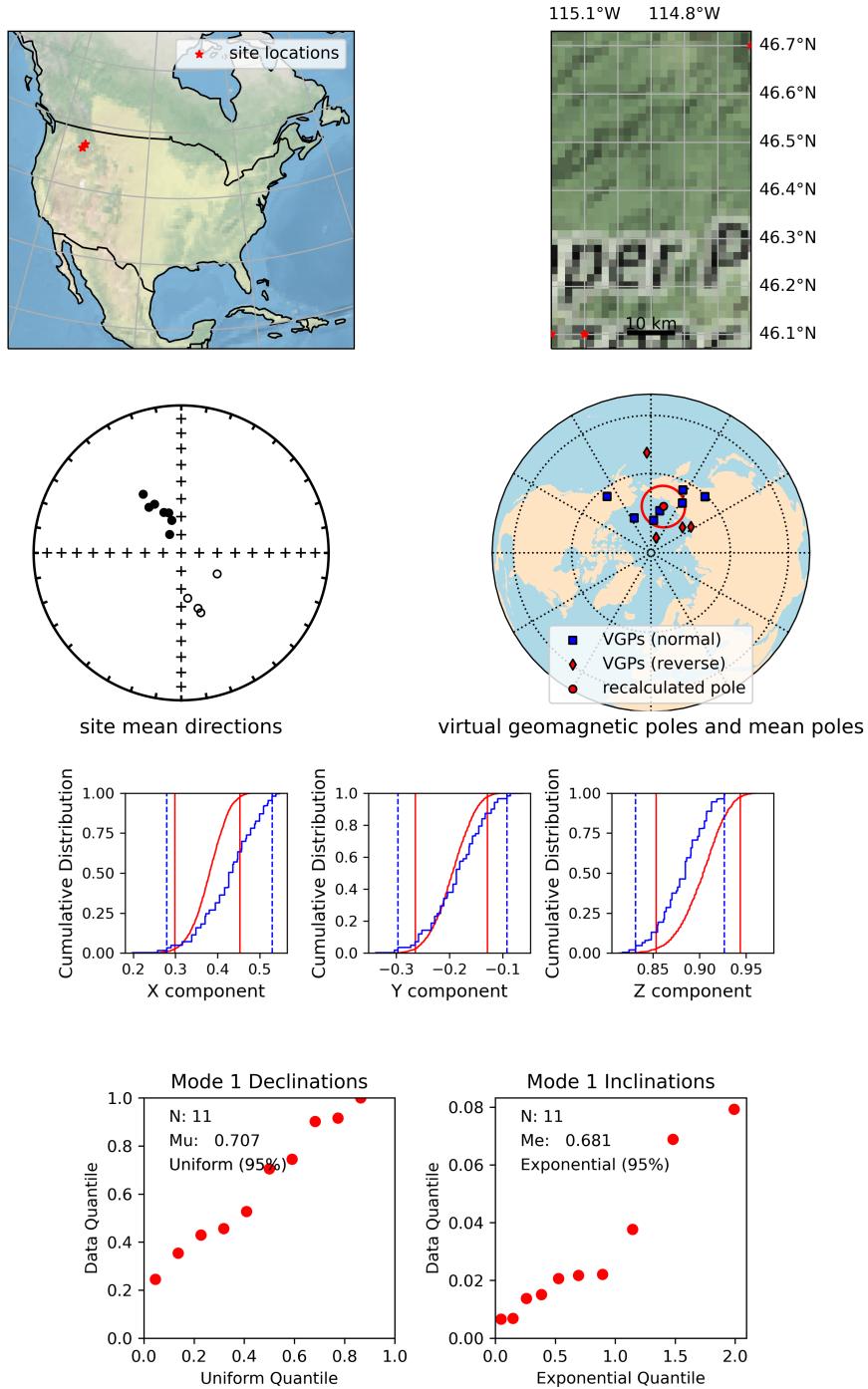


Figure 28: Summary of data from locality 21 (Bitterroot Dome intrusions) pole 1 (Doughty and Sheriff (1992)).

21.2 Pole 2



./21/2/pole_summary.png

Figure 29: Summary of data from locality 21 (Bitterroot Dome intrusions) pole 2 (Doughty and Sheriff (1992)).

22 Stoddard Mountain laccolith

22.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	19	NaN	NaN	NaN
Mean pole (calculated from VGPs)	19	83.8	153.6	4.5
Mean pole (calculated from transformed directions)	19	83.8	153.6	4.5

	result
Bootstrap reversal test	Too few sites for test
Parametric reversal test	Too few sites for test
Bayesian reversal test	Different means: very strong support
Fisher Q-Q test	Consistent with Fisher distribution

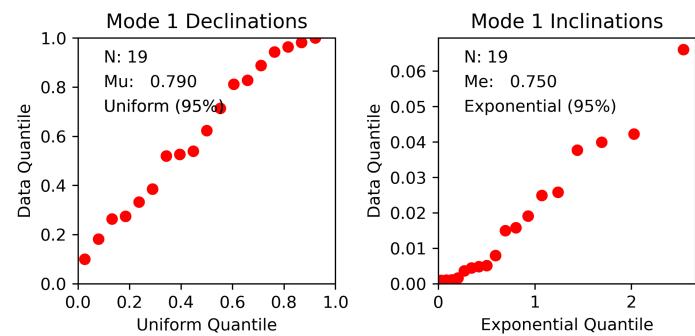
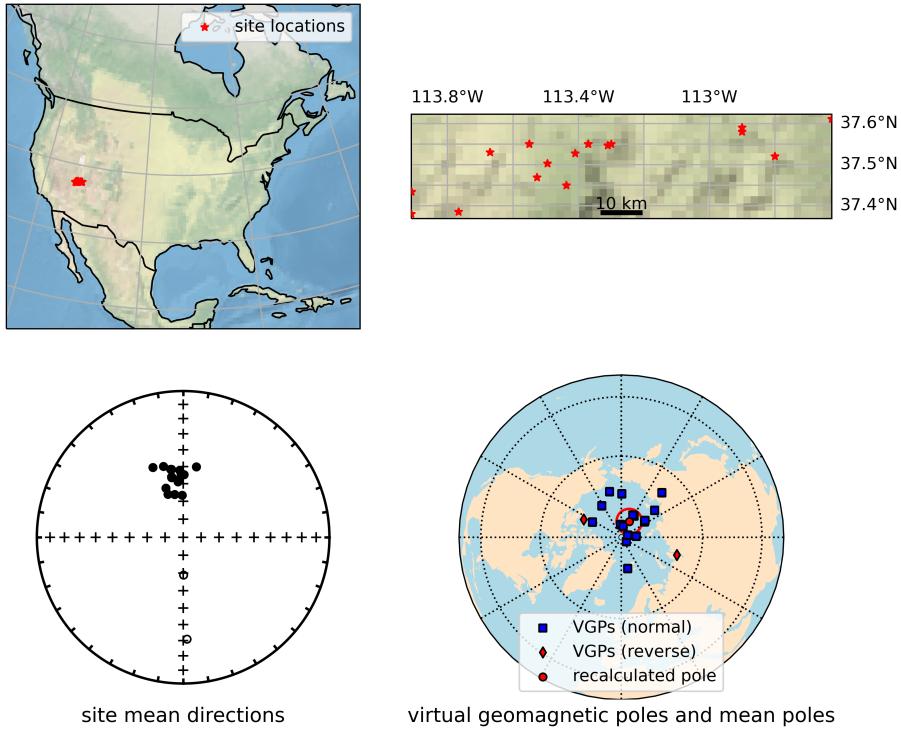


Figure 30: Summary of data from locality 22 (Stoddard Mountain laccolith) pole 1 (Petronis et al. (2004)).

23 Michoacan Guanajuato volcanic field

23.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	8	84.4	219.9	8.5
Mean pole (calculated from VGPs)	8	83.1	222.7	10.1
Mean pole (calculated from transformed directions)	8	83.1	222.7	10.1
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Too few sites			

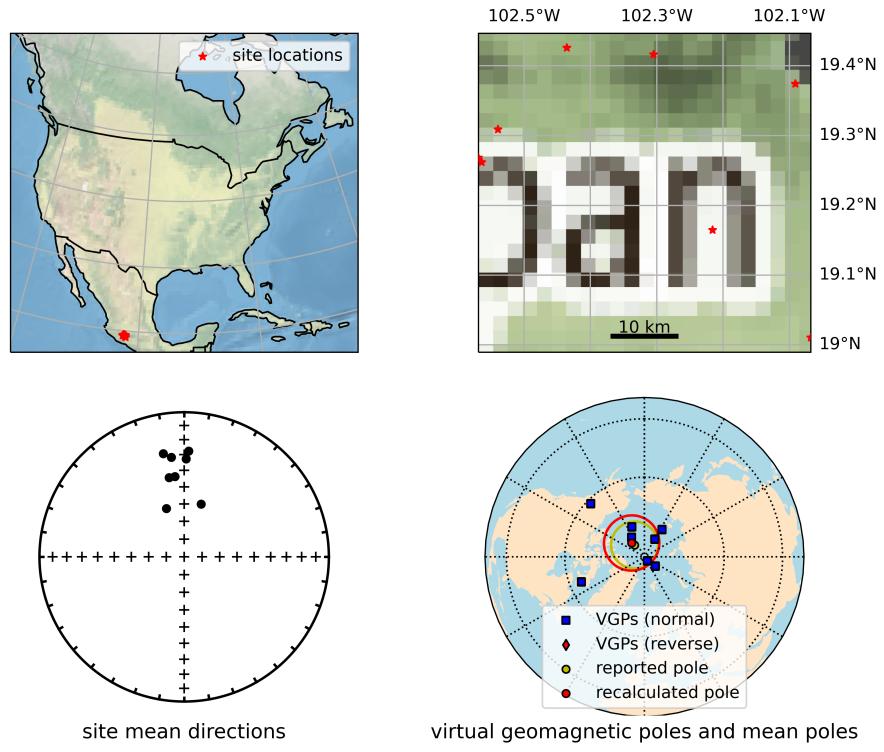


Figure 31: Summary of data from locality 23 (Michoacan Guanajuato volcanic field) pole 1 (Maciel Peña et al. (2009))₆₁

24 Clear Lake volcanic field

24.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	3	NaN	NaN	NaN
Mean pole (calculated from VGPs)	3	84.9	118.9	60.0
Mean pole (calculated from transformed directions)	3	84.9	118.9	60.0
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Too few sites			

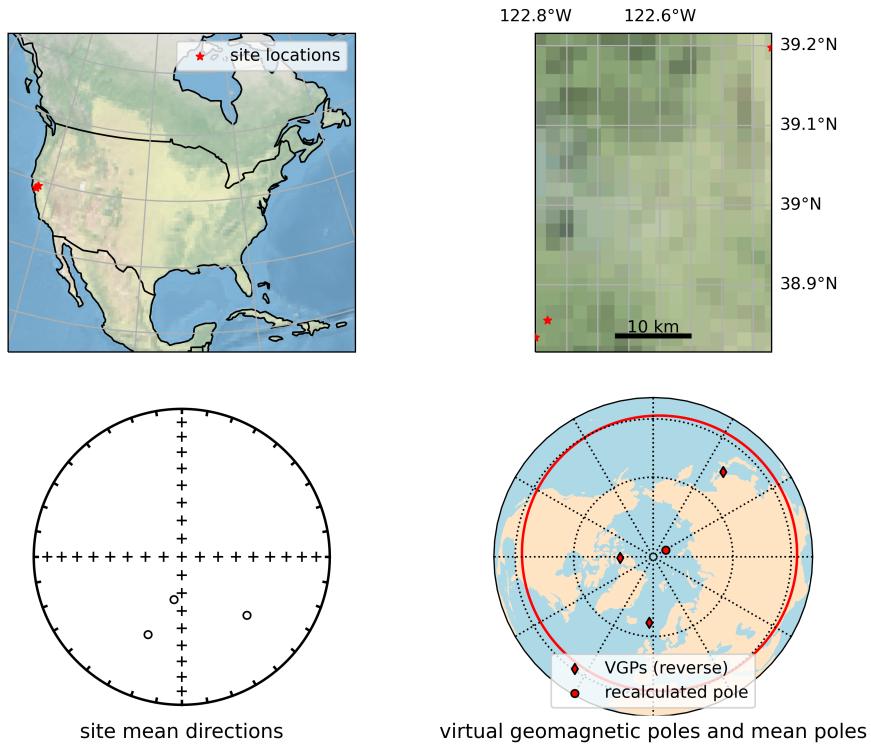


Figure 32: Summary of data from locality 24 (Clear Lake volcanic field) pole 1 (Mankinen et al. (1978); Mankinen et al. (1981)).

25 San Luis Hills volcanics

25.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	23	79.7	162.6	NaN
Mean pole (calculated from VGPs)	23	79.7	169.5	8.4
Mean pole (calculated from transformed directions)	23	79.7	169.5	8.4
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 3.1° below 11.5° critical angle); C classification			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

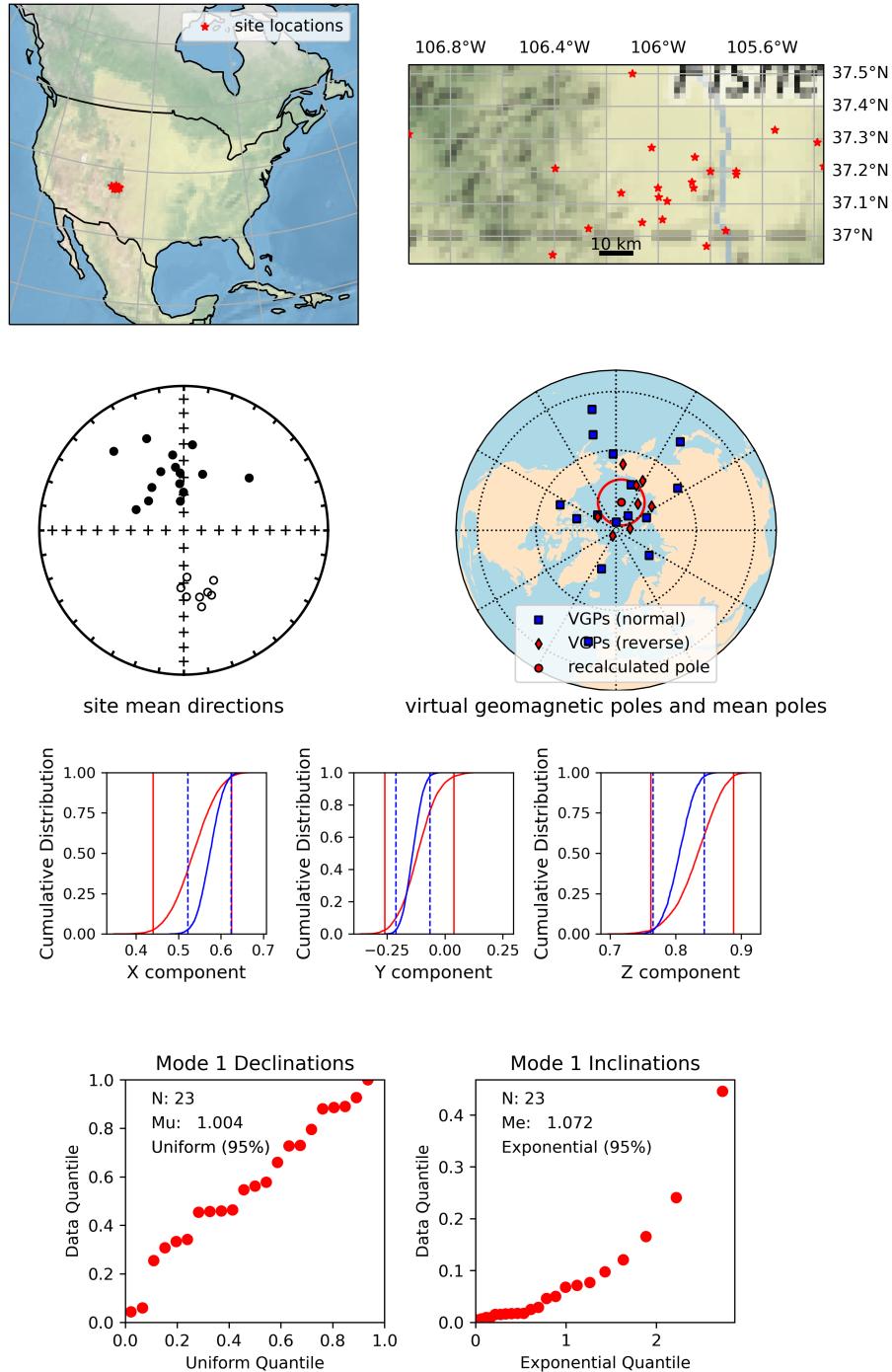


Figure 33: Summary of data from locality 25 (San Luis Hills volcanics) pole 1 (Brown and Golombek (1997)).

26 Beaver River intrusions

26.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	21	79.2	145.8	NaN
Mean pole (calculated from VGPs)	21	79.3	147.7	4.8
Mean pole (calculated from transformed directions)	21	79.3	147.7	4.8
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Fail (angle 6.0° above 5.6° critical angle)			
Bayesian reversal test	Common mean: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

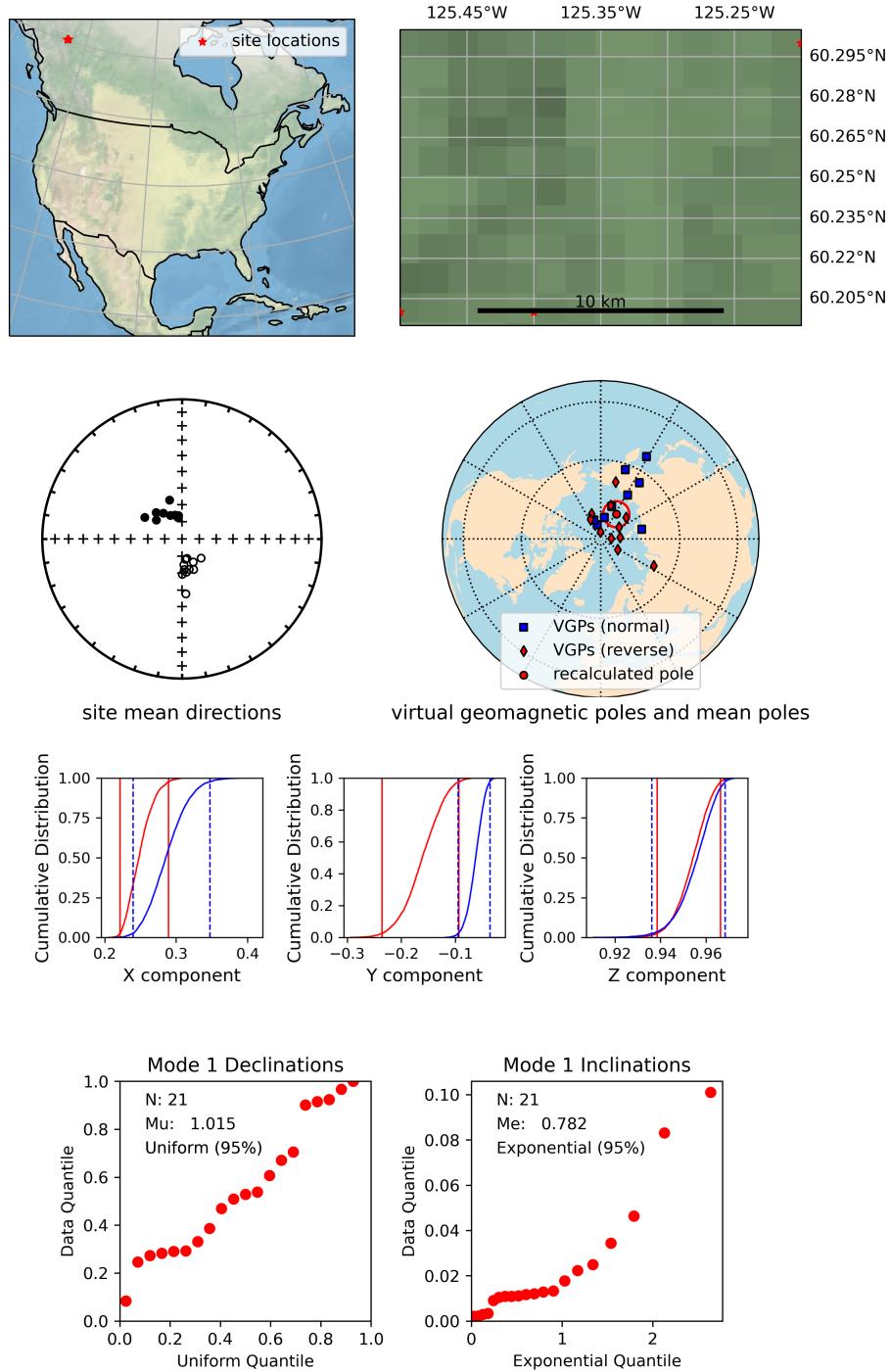


Figure 34: Summary of data from locality 26 (Beaver River intrusions) pole 1 (Symons et al. (2003)).

27 Mariscal Mtn intrusions

27.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	18	80.0	185.3	5.4
Mean pole (calculated from VGPs)	18	80.0	185.2	5.4
Mean pole (calculated from transformed directions)	18	80.0	185.3	5.4
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Fisher distribution rejected			

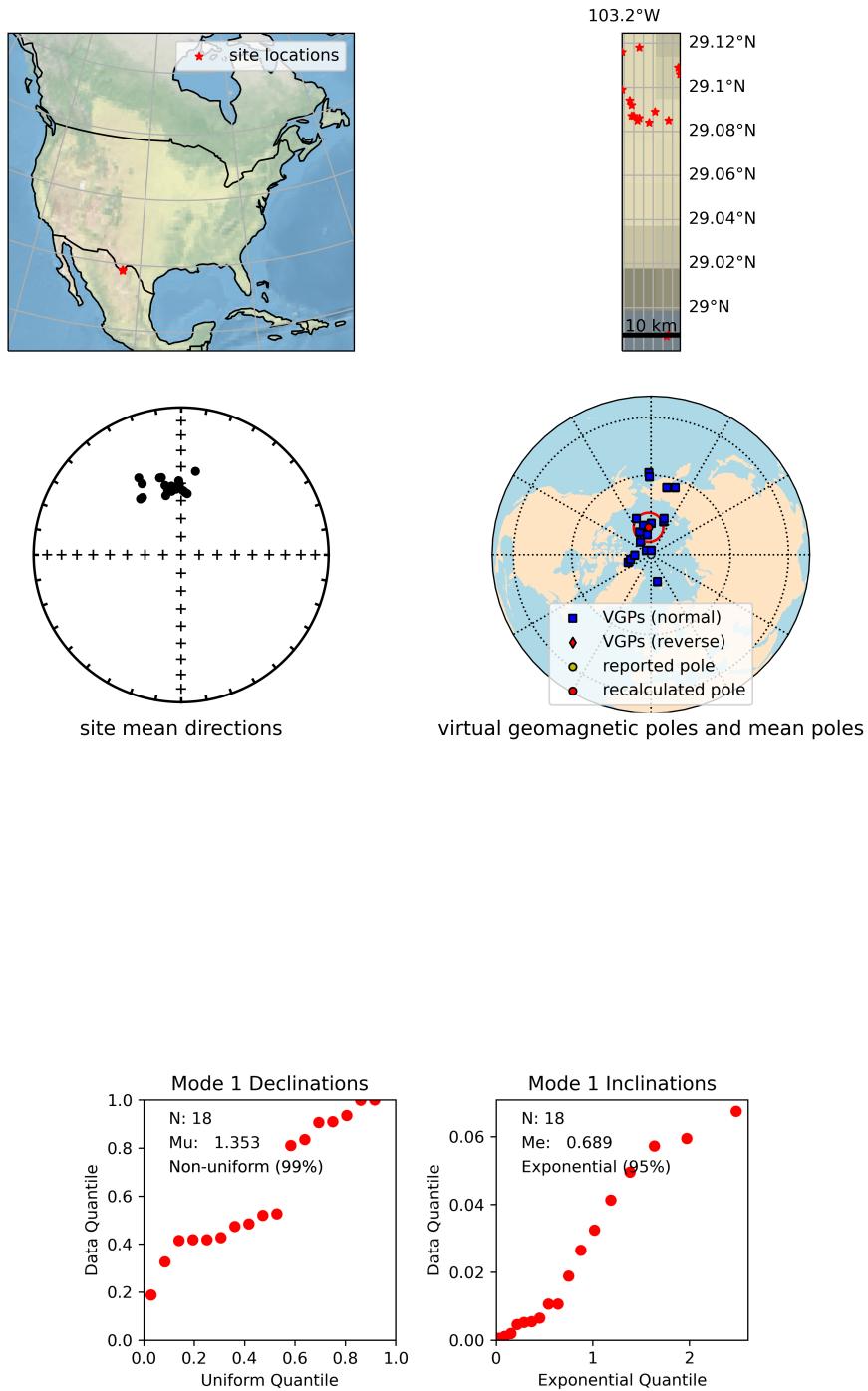


Figure 35: Summary of data from locality 27 (Mariscal Mtn intrusions) pole 1 (Harlan et al. (1995)).

28 Mogollon-Datil volcanics

28.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	61	81.9	143.6	4.5
Mean pole (calculated from VGPs)	61	82.0	143.4	4.5
Mean pole (calculated from transformed directions)	61	81.9	143.3	4.5
result				
Bootstrap reversal test	Fail			
Parametric reversal test	Fail (angle 13.0° above 8.2° critical angle)			
Bayesian reversal test	Different means: positive support			
Fisher Q-Q test	Consistent with Fisher distribution			

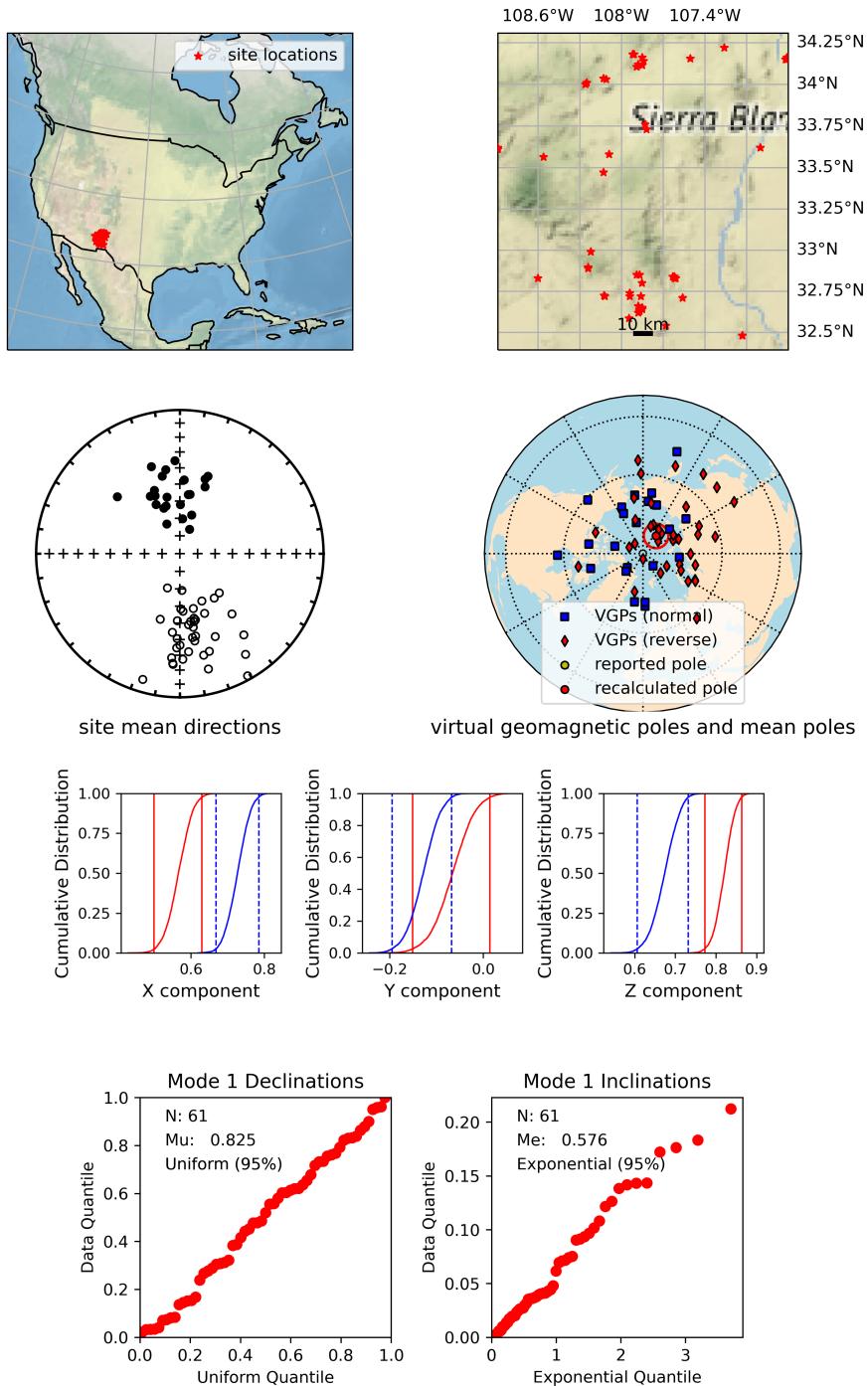


Figure 36: Summary of data from locality 28 (Mogollon-Datil volcanics) pole 1 (Diehl et al. (1988)).

28.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	106	78.8	175.0	3.8
Mean pole (calculated from VGPs)	110	81.4	163.1	4.2
Mean pole (calculated from transformed directions)	110	80.4	166.9	4.2
result				
Bootstrap reversal test	Fail			
Parametric reversal test	Fail (angle 9.6° above 7.3° critical angle)			
Bayesian reversal test	Ambiguous: weak support			
Fisher Q-Q test	Fisher distribution rejected			

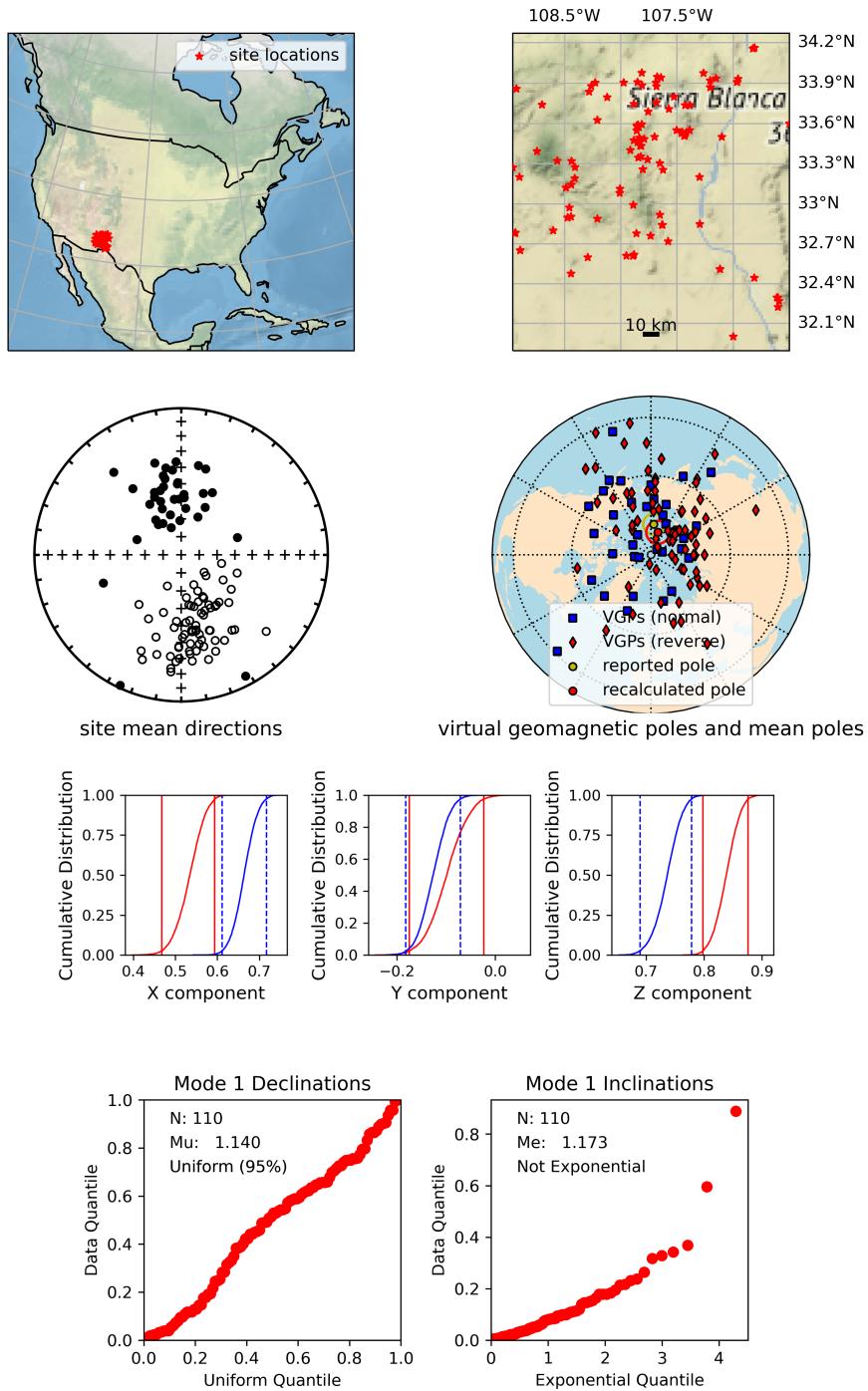


Figure 37: Summary of data from locality 28 (Mogollon-Datil volcanics) pole 2 (McIntosh (1991)).

29 Monterey intrusions

29.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	6	NaN	NaN	NaN
Mean pole (calculated from VGPs)	6	87.6	46.0	12.0
Mean pole (calculated from transformed directions)	6	87.6	46.2	12.0
result				
Bootstrap reversal test	Too few sites for test			
Parametric reversal test	Too few sites for test			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Too few sites			

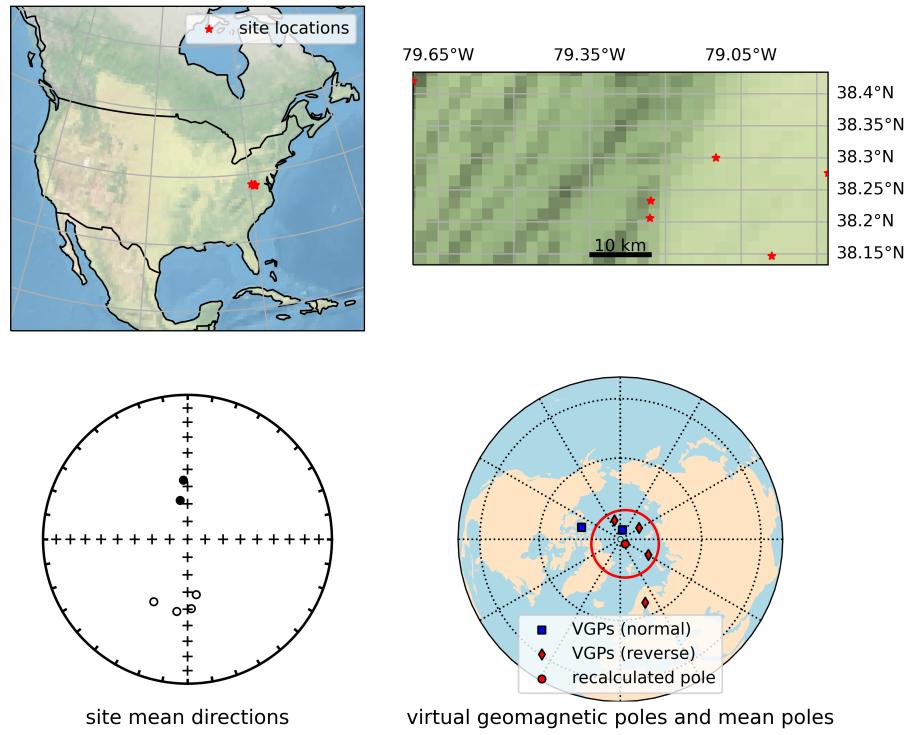


Figure 38: Summary of data from locality 29 (Monterey intrusions) pole 1 (Løvlie and Opdyke (1974)).

29.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	11	85.5	243.7	NaN
Mean pole (calculated from VGPs)	11	83.9	258.7	12.2
Mean pole (calculated from transformed directions)	11	83.9	258.7	12.2
result				
Bootstrap reversal test	Only one polarity			
Parametric reversal test	Only one polarity			
Bayesian reversal test	Only one polarity			
Fisher Q-Q test	Consistent with Fisher distribution			

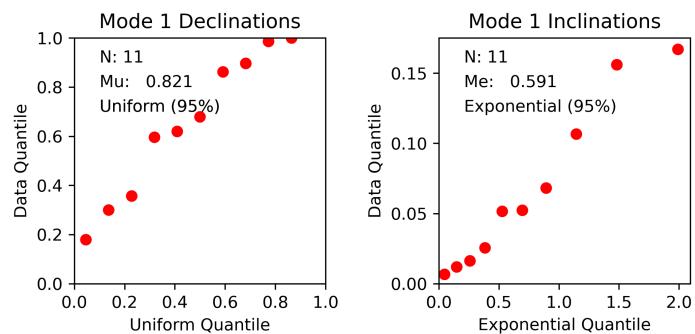
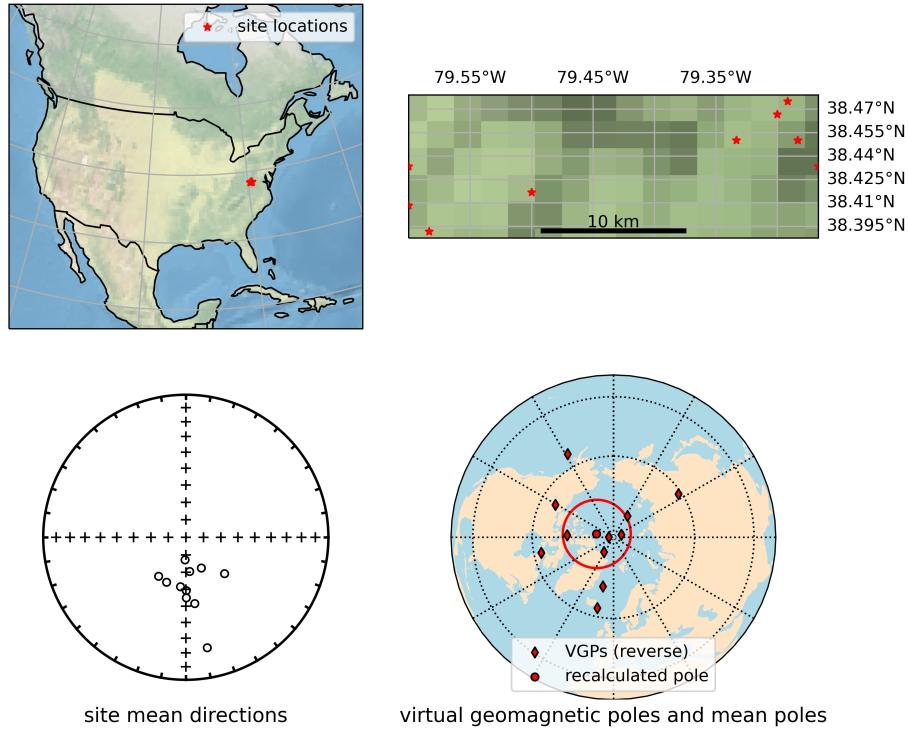


Figure 39: Summary of data from locality 29 (Monterey intrusions) pole 2 (Ressetar and Martin (1980)).

30 Latir volcanic field

30.1 Pole 1

	N	Plat	Plon	A95
Reported mean pole	48	NaN	NaN	NaN
Mean pole (calculated from VGPs)	48	76.3	185.3	9.4
Mean pole (calculated from transformed directions)	48	76.3	185.3	9.4
result				
Bootstrap reversal test	Pass			
Parametric reversal test	Pass (angle 15.2° below 16.6° critical angle); C classification			
Bayesian reversal test	Ambiguous: weak support			
Fisher Q-Q test	Consistent with Fisher distribution			

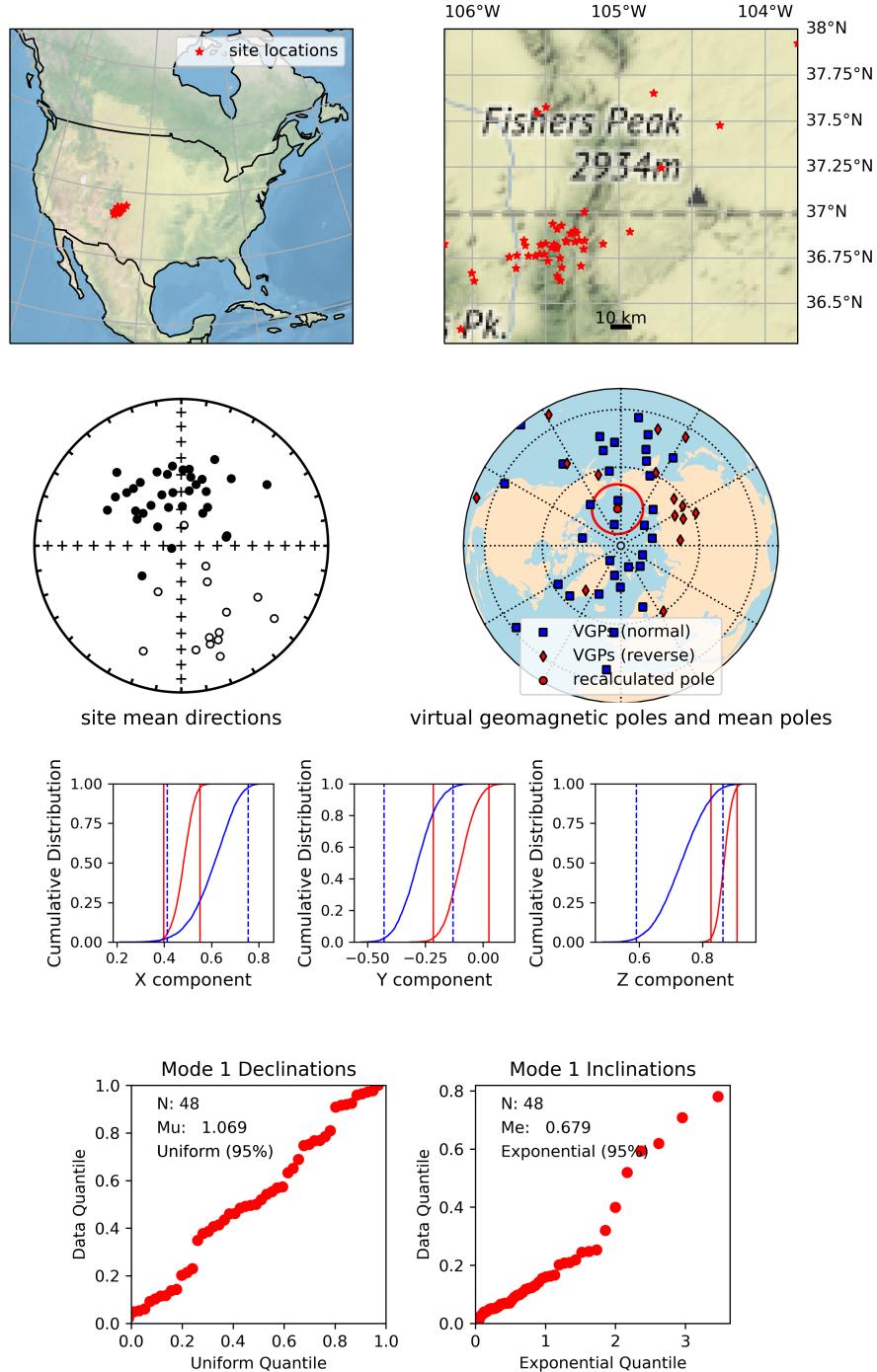


Figure 40: Summary of data from locality 30 (Latir volcanic field) pole 1 (Hagstrum and Lipman (1986)).

30.2 Pole 2

	N	Plat	Plon	A95
Reported mean pole	43	NaN	NaN	NaN
Mean pole (calculated from VGPs)	43	82.8	162.6	6.9
Mean pole (calculated from transformed directions)	43	82.8	162.6	6.9
result				
Bootstrap reversal test	Fail			
Parametric reversal test	Fail (angle 25.0° above 14.7° critical angle)			
Bayesian reversal test	Different means: very strong support			
Fisher Q-Q test	Fisher distribution rejected			

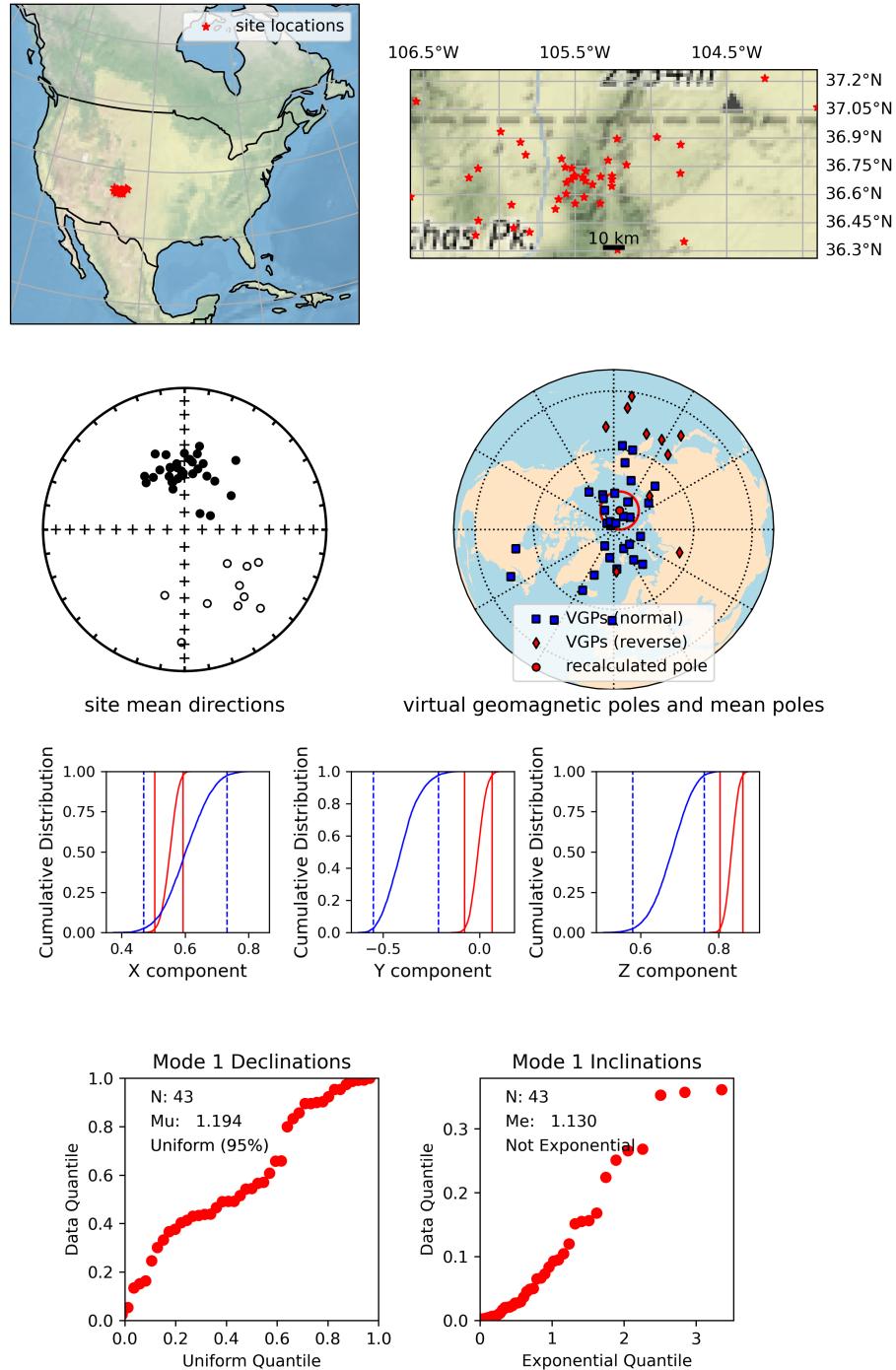


Figure 41: Summary of data from locality 30 (Latir volcanic field) pole 2 (Hagstrum and Lipman (1986)).