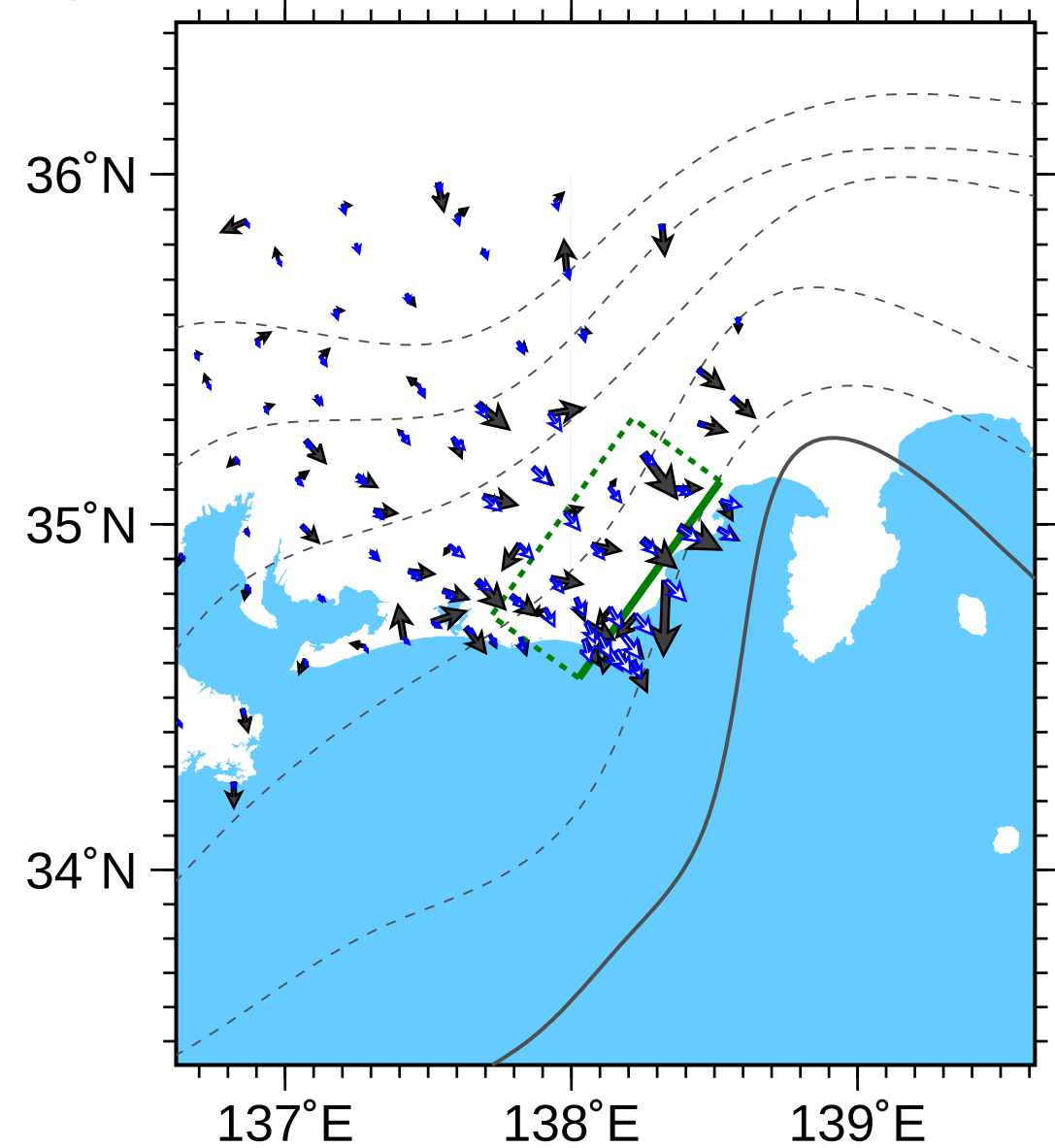


Date: May-30-1997 class2 Duration: 12 days

len: 77.399 wid: 36.934 str: 215.594 dip: 21.437 rak: 87.230

slp: 3.8 Mw: 5.69 CC: 0.544 RC2: 7.7735e+01

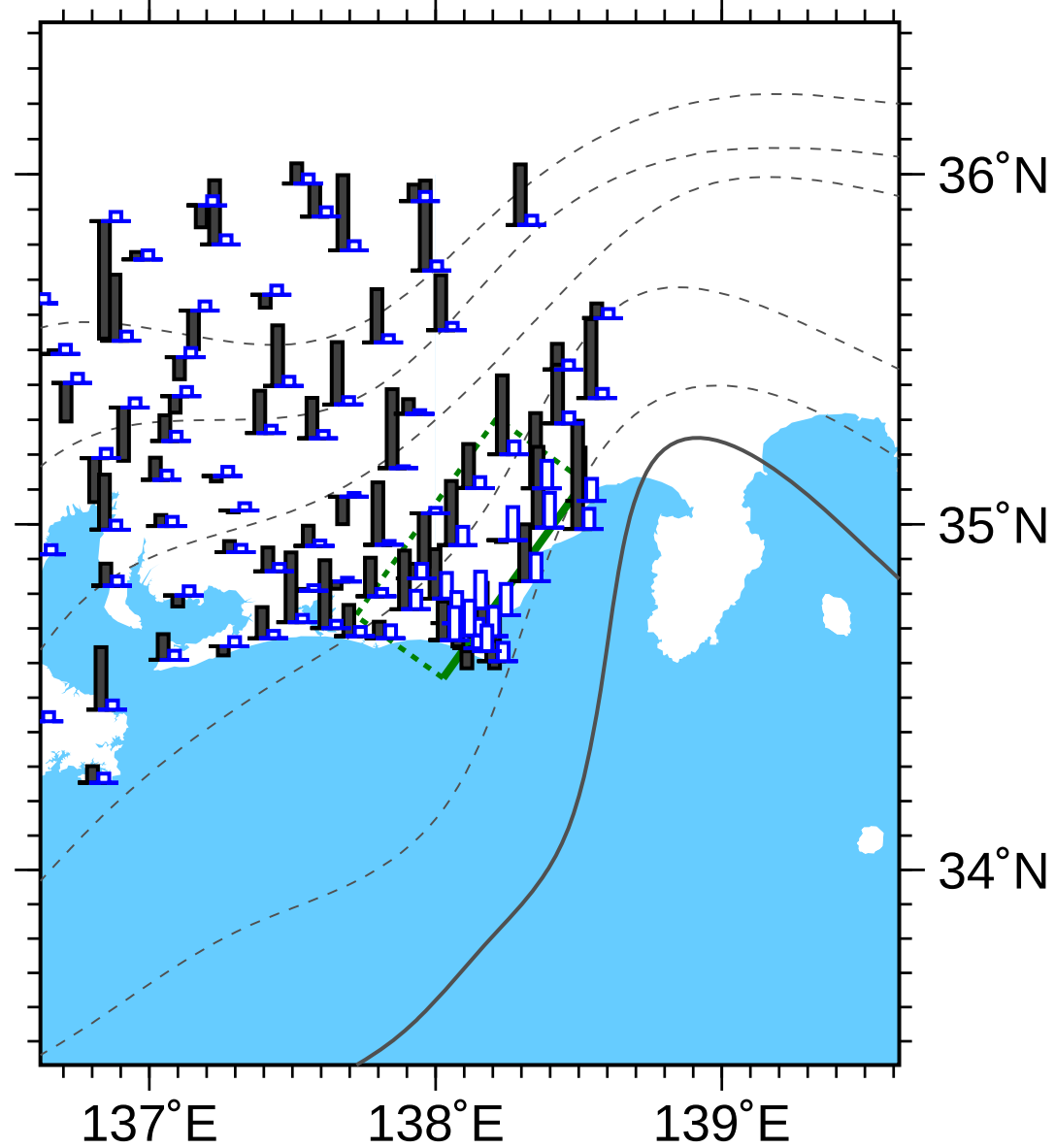


● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

Obs $\longrightarrow$ 4 mm
Cal $\longrightarrow$ 4 mm

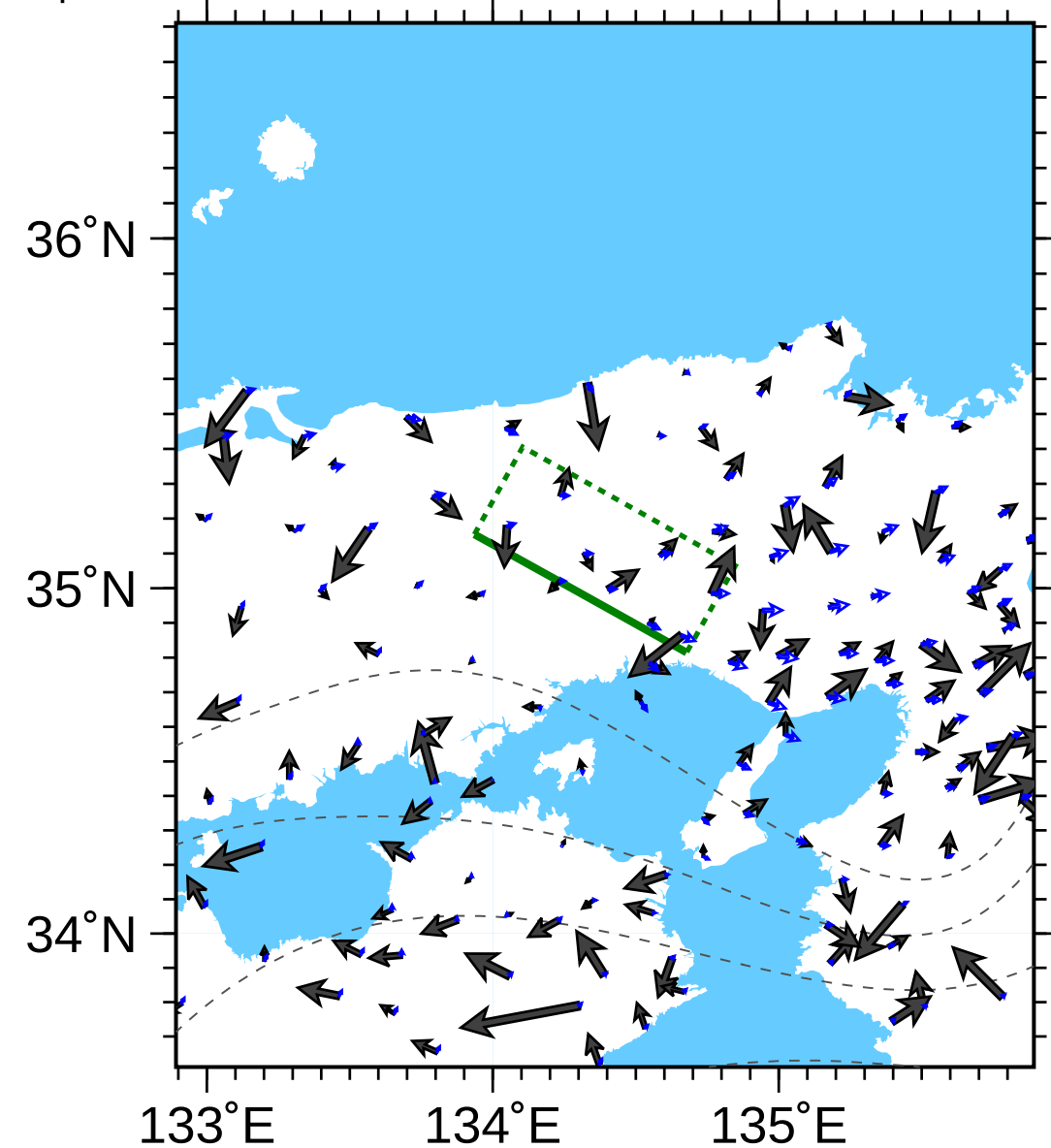


○ ○ ○
10 100 1000

Date: Nov-19-1997 class2 Duration: 26 days

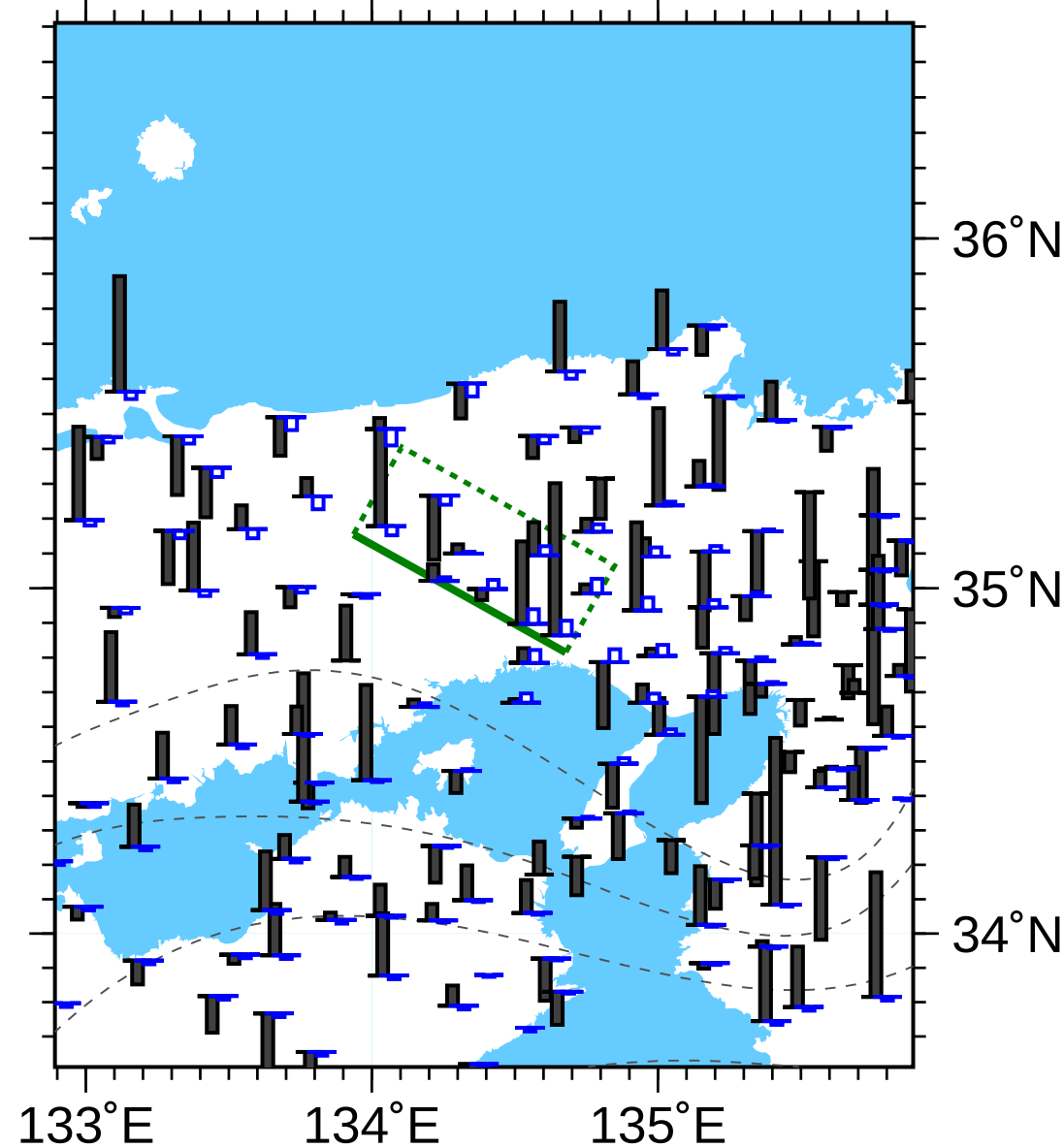
len: 77.530 wid: 33.520 str: 299.160 dip: 18.563 rak: 156.527

slp: 14.6 Mw: 6.06 CC: 0.598 RC2: 1.0066e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

4 mm
Obs →
Cal ⇨
Obs Cal

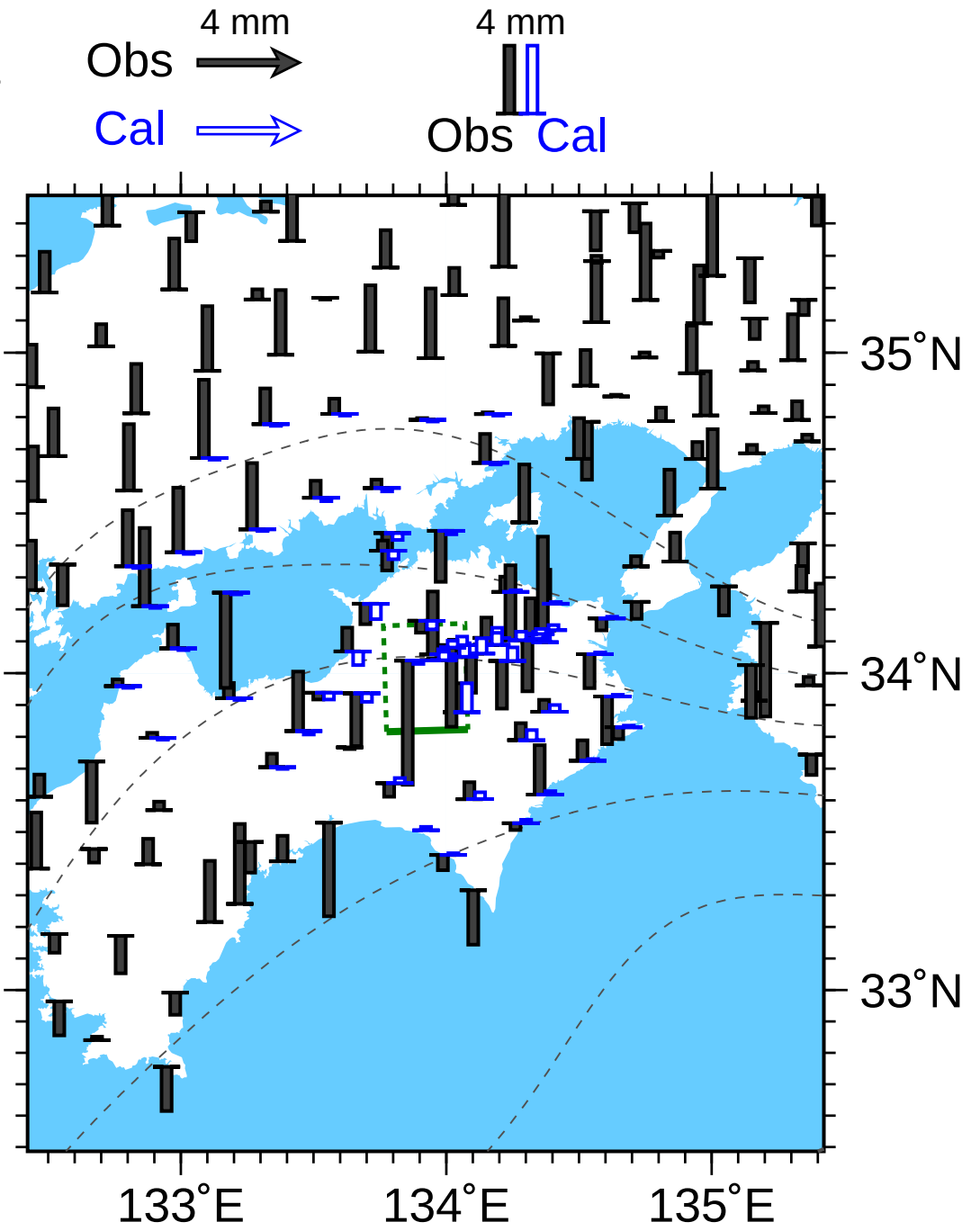
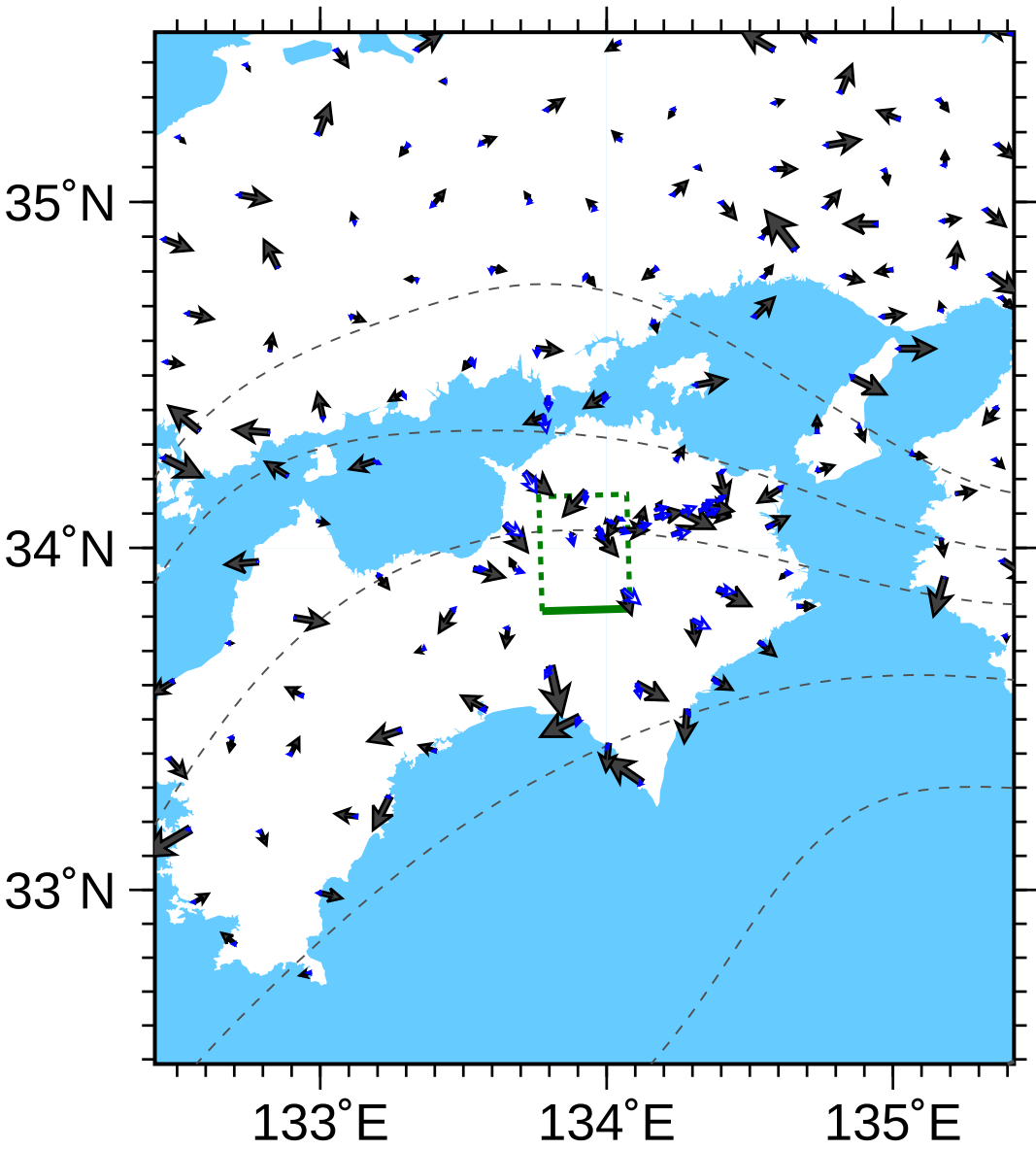


- 10
- 100
- 1000

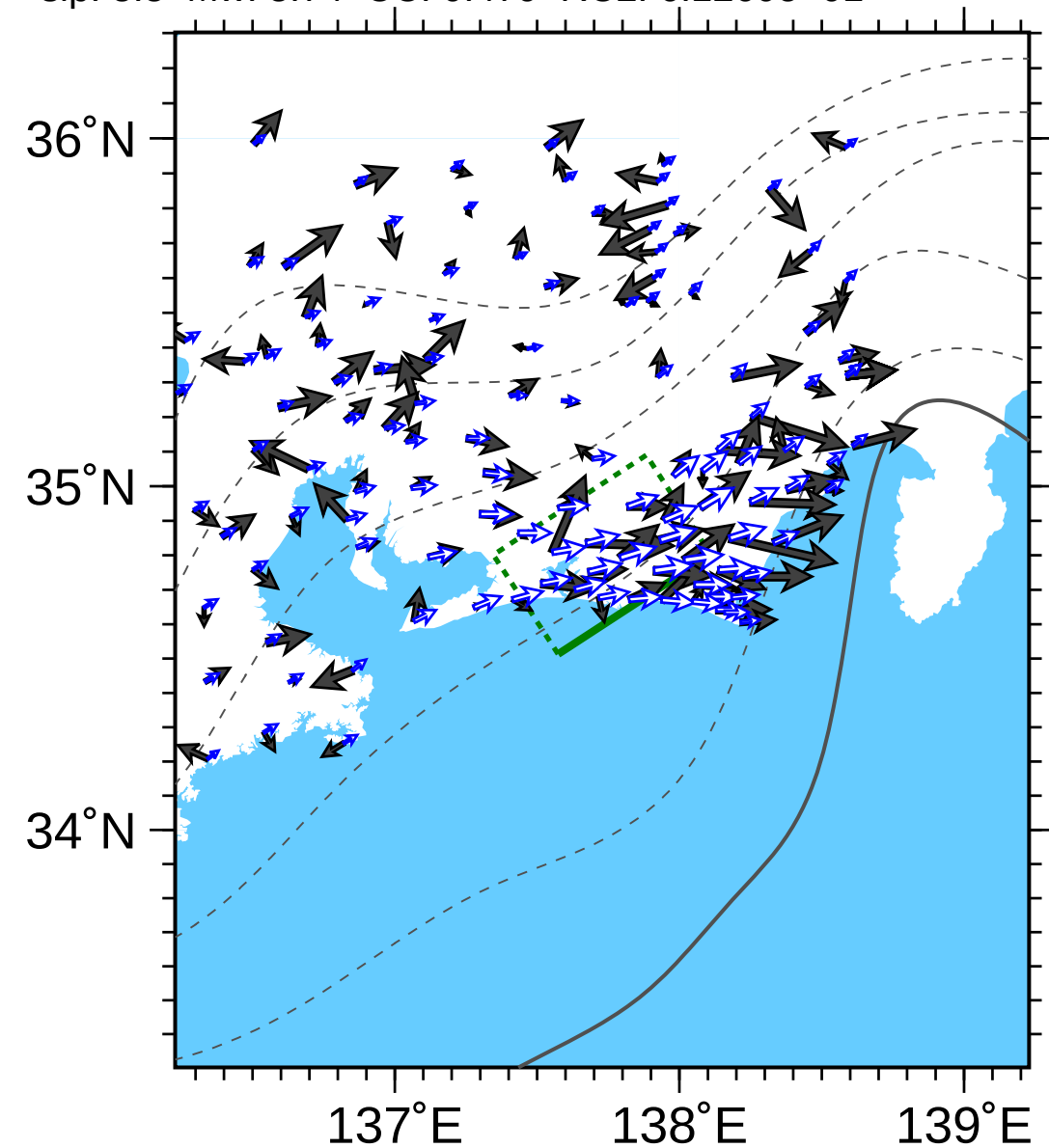
Date: Jul-11-1998 class2 Duration: 7 days

len: 28.379 wid: 37.788 str: 268.307 dip: 12.266 rak: 135.307

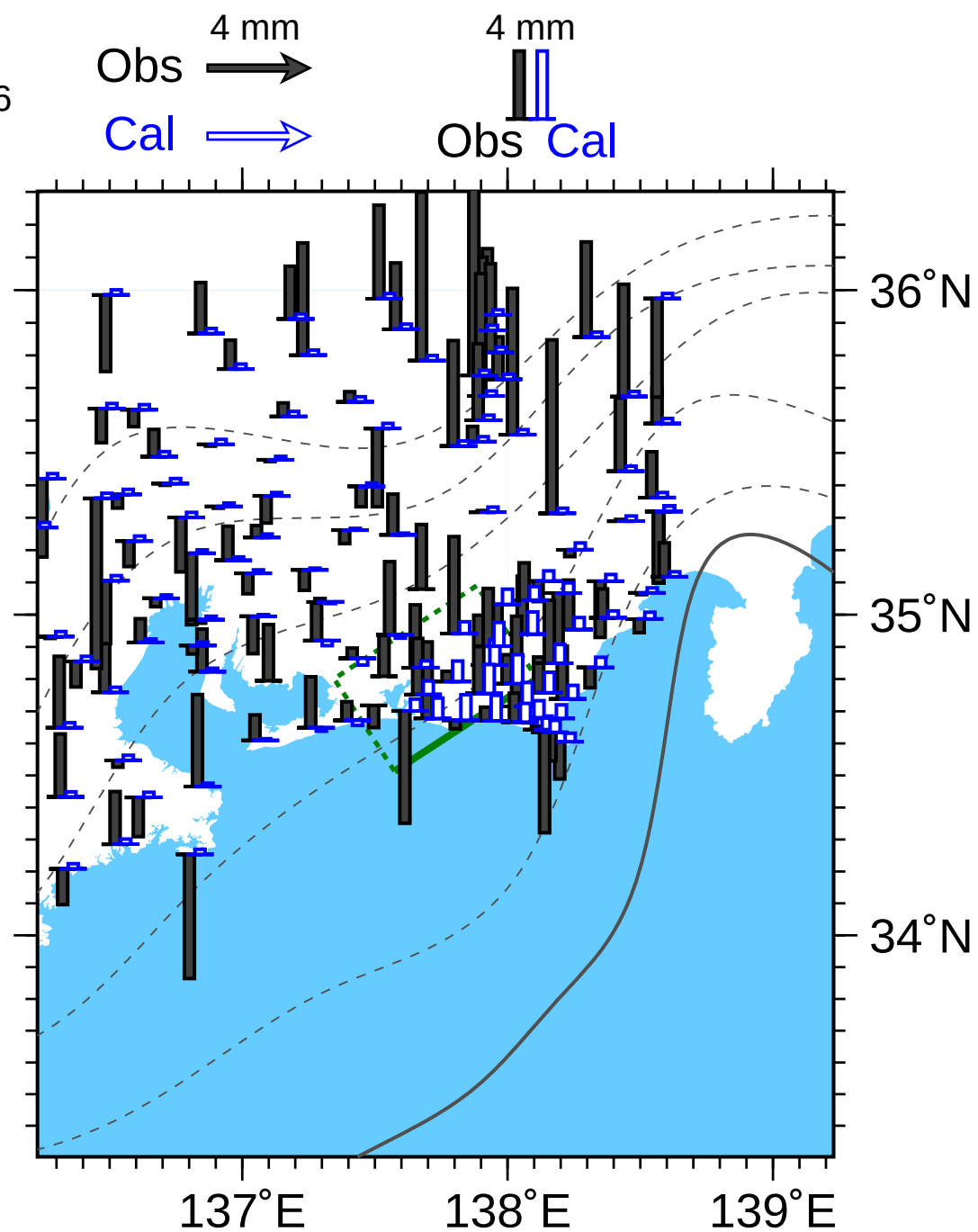
slp: 11.5 Mw: 5.73 CC: 0.481 RC2: 7.4750e+01



Date: Jul-20-1998 class2 Duration: 40 days
len: 58.670 wid: 39.533 str: 236.917 dip: 15.058 rak: 132.406
slp: 5.5 Mw: 5.74 CC: 0.479 RC2: 6.1260e+01



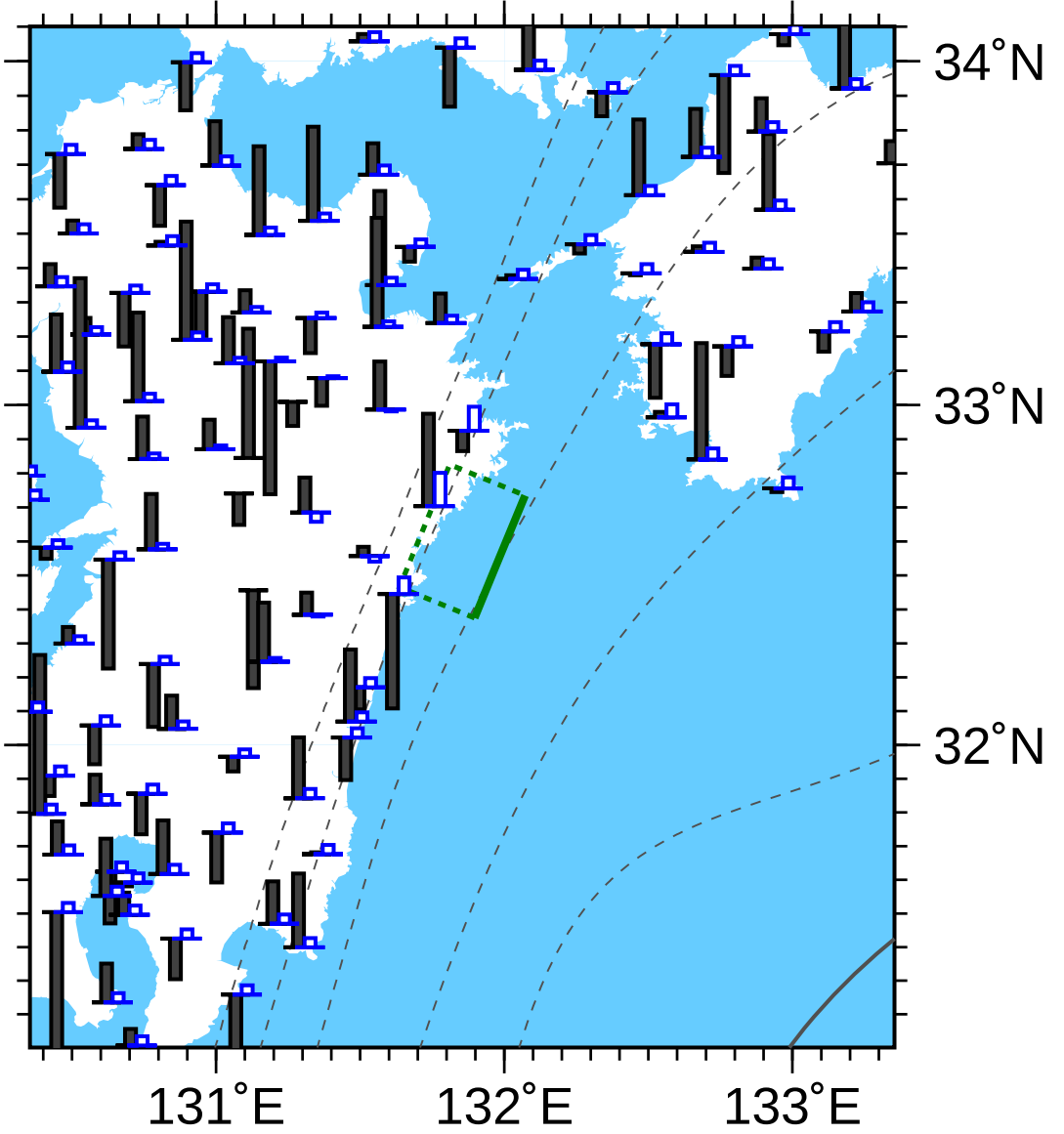
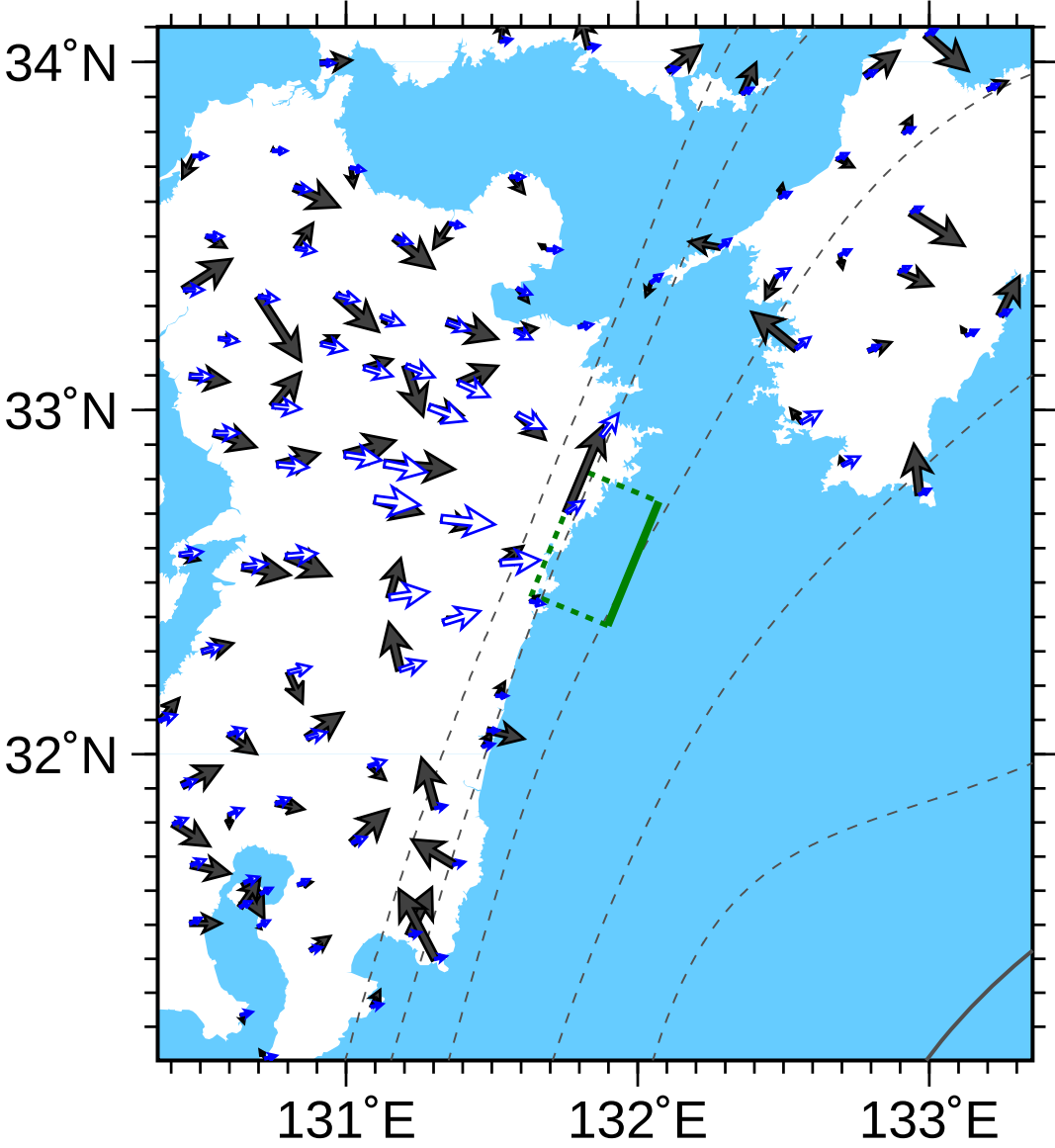
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Sep-22-1998 class2 Duration: 6 days
len: 43.157 wid: 29.047 str: 202.388 dip: 24.264 rak: 96.786
slp: 35.2 Mw: 6.10 CC: 0.580 RC2: 7.6976e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

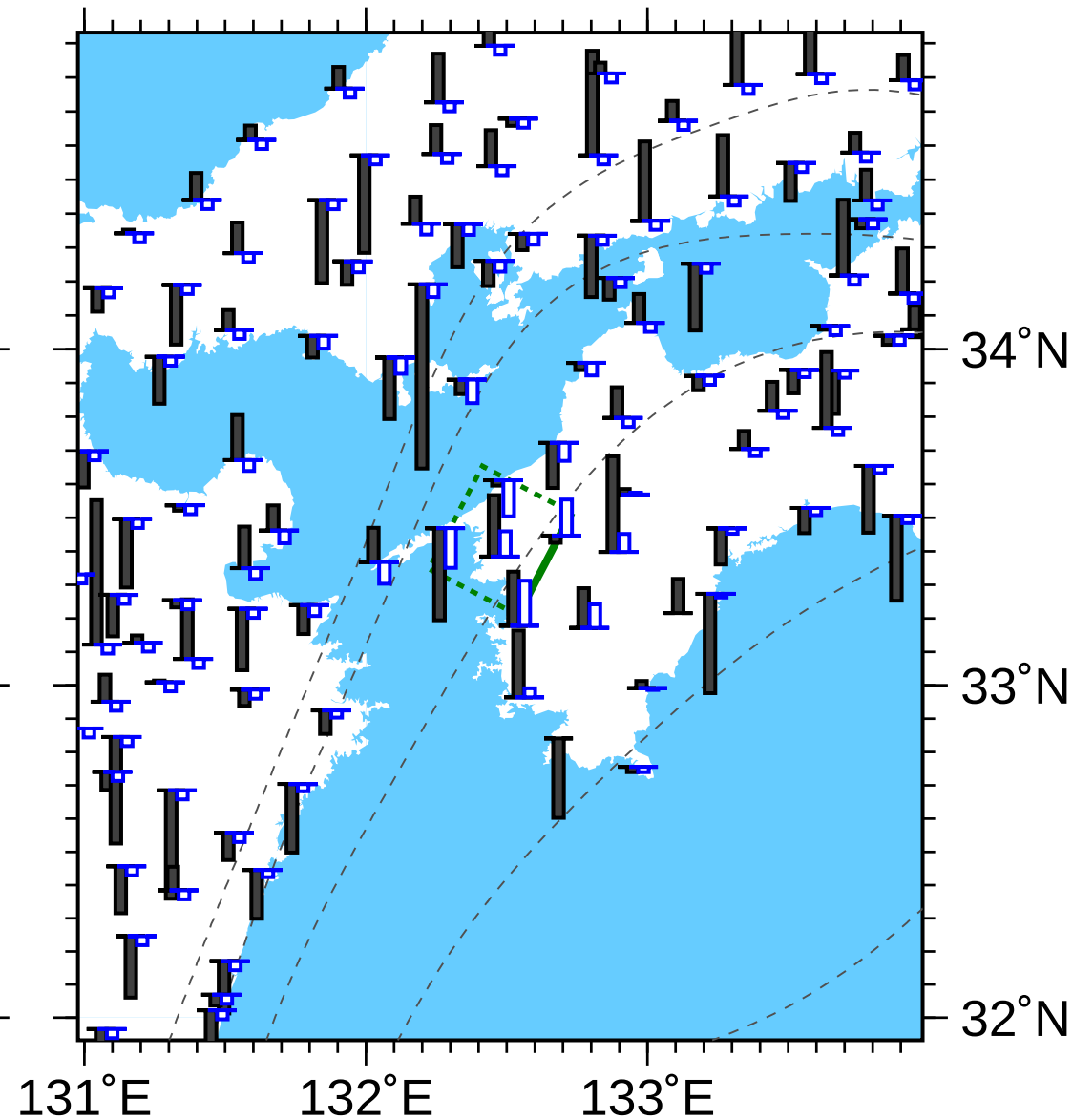
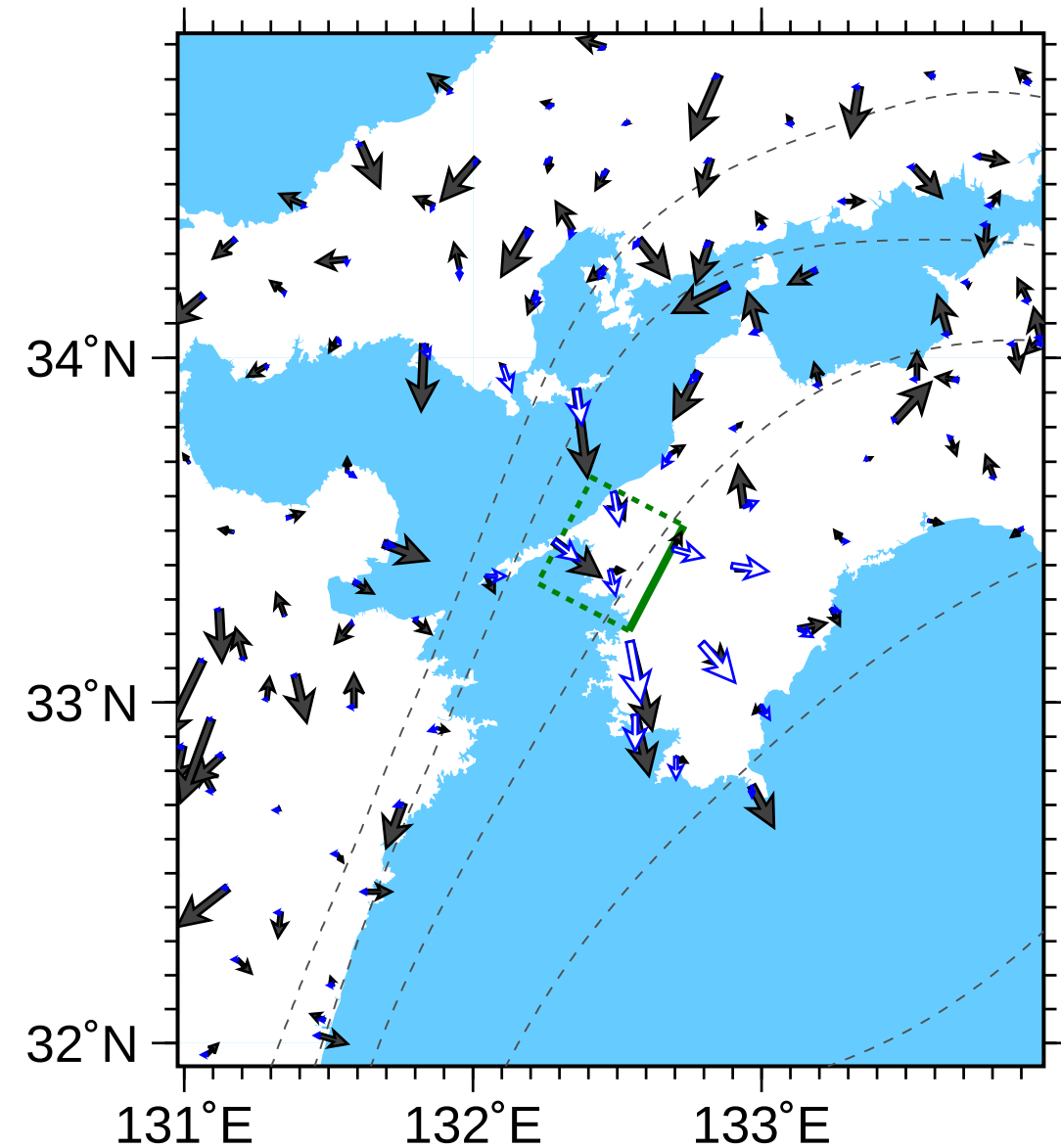


Date: Nov-6-1998 class2 Duration: 8 days

len: 38.252 wid: 33.425 str: 207.555 dip: 6.816 rak: 66.385

slp: 26.5 Mw: 6.02 CC: 0.562 RC2: 1.4009e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



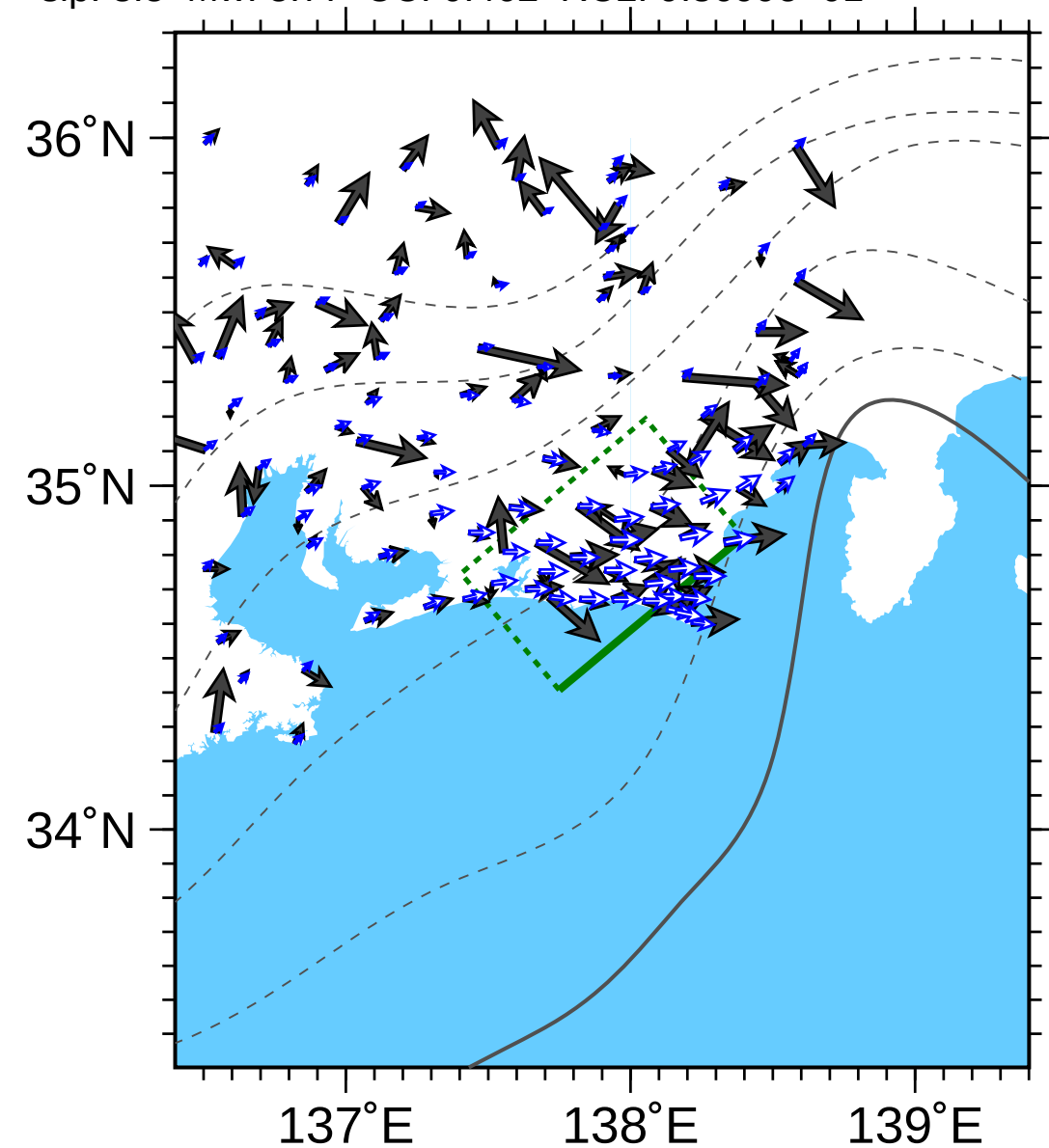
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



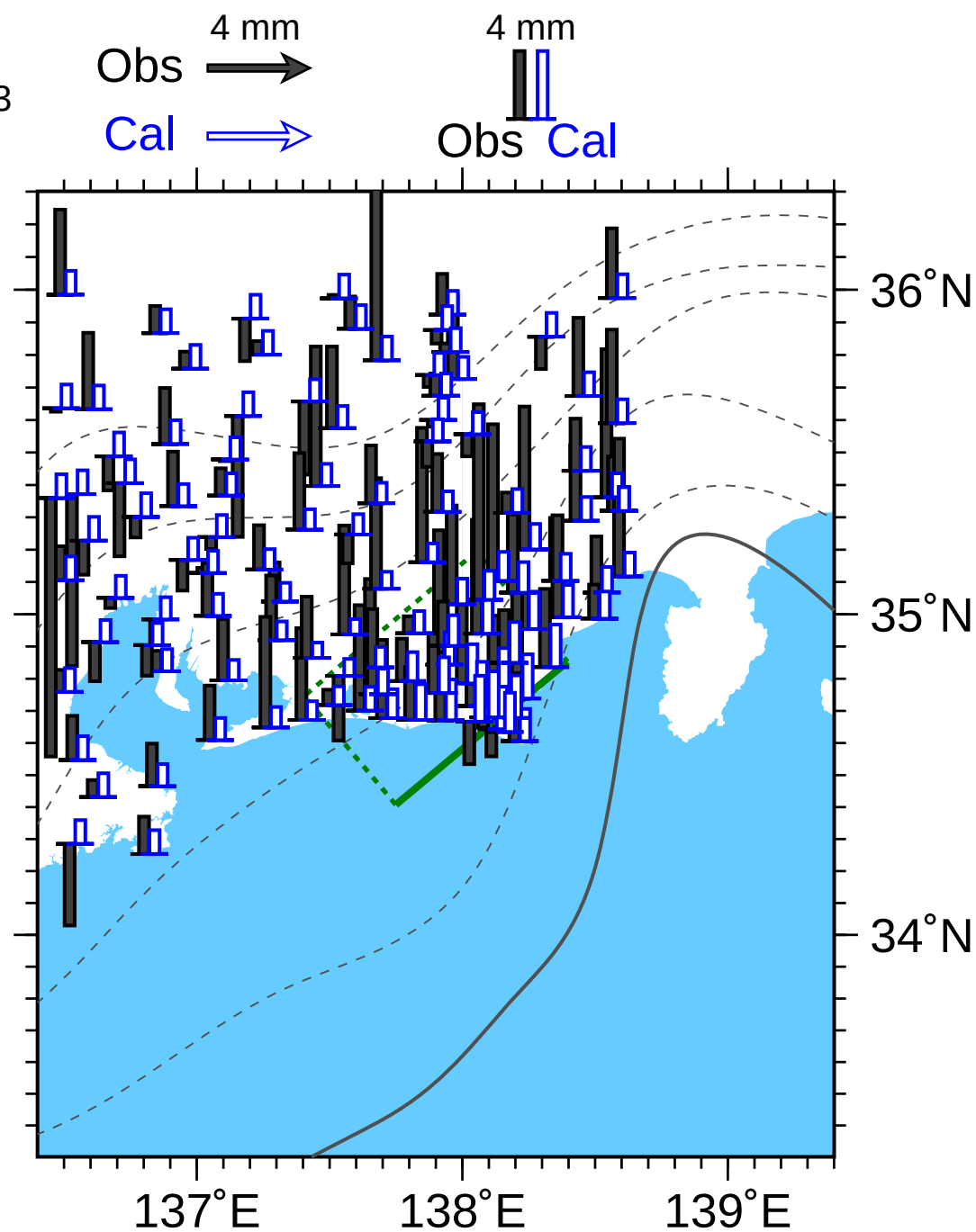
Date: Nov-13-1998 class2 Duration: 38 days

len: 77.188 wid: 51.417 str: 230.098 dip: 17.082 rak: 110.493

slp: 3.5 Mw: 5.77 CC: 0.462 RC2: 9.8699e+01



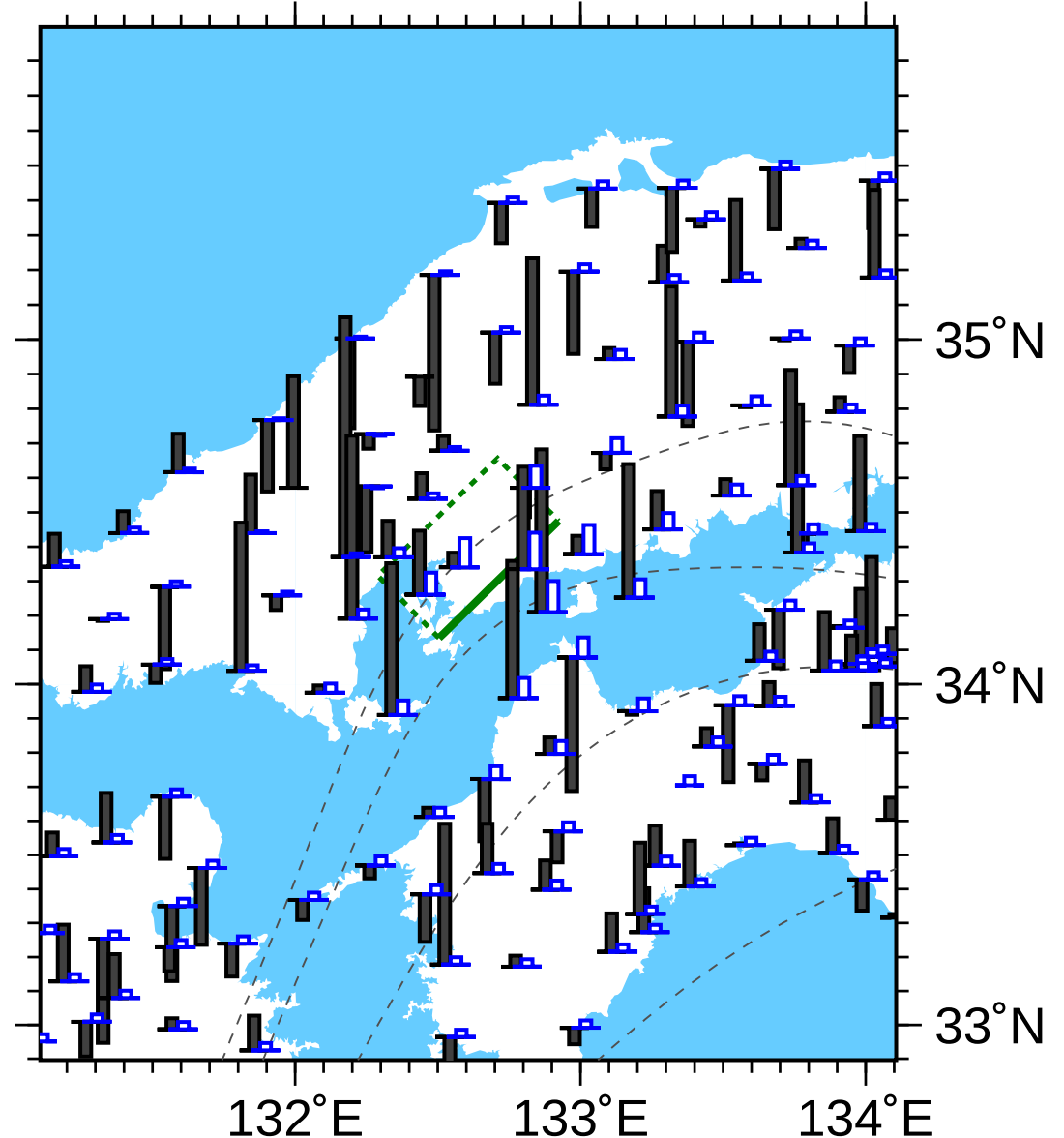
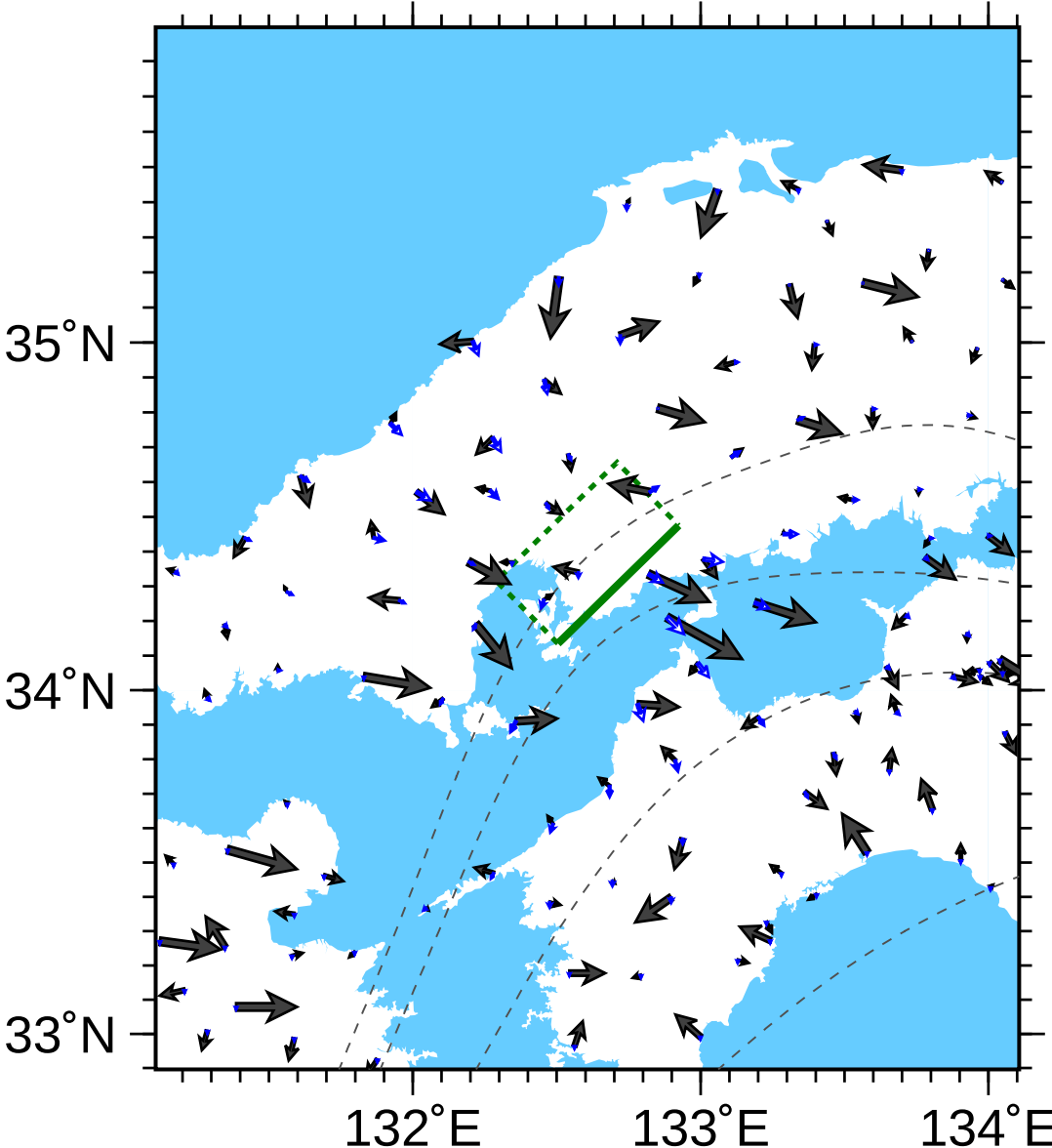
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Dec-28-1998 class2 Duration: 9 days
len: 54.000 wid: 29.518 str: 225.600 dip: 17.527 rak: 95.163
slp: 16.1 Mw: 5.94 CC: 0.543 RC2: 5.0329e+01

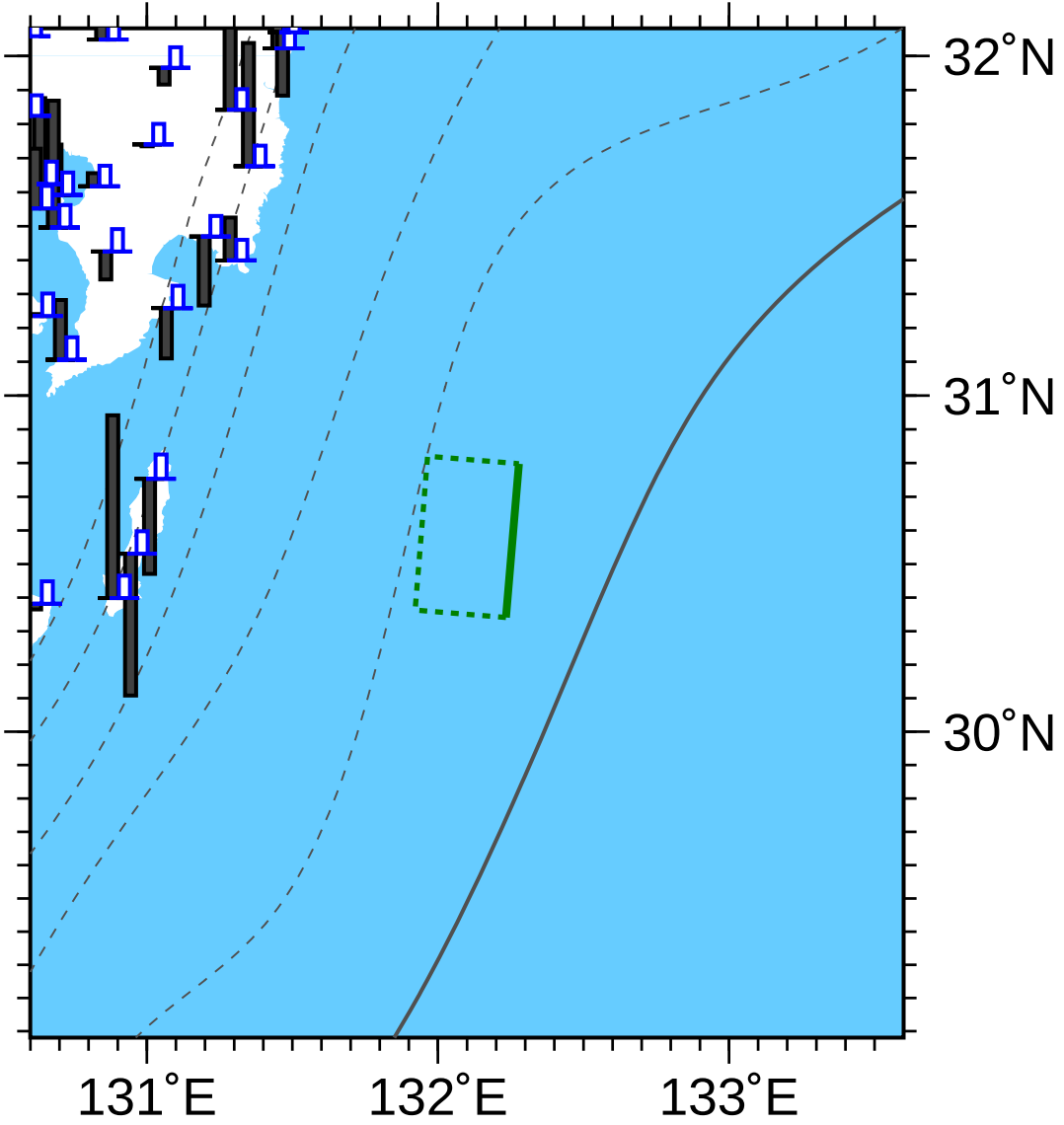
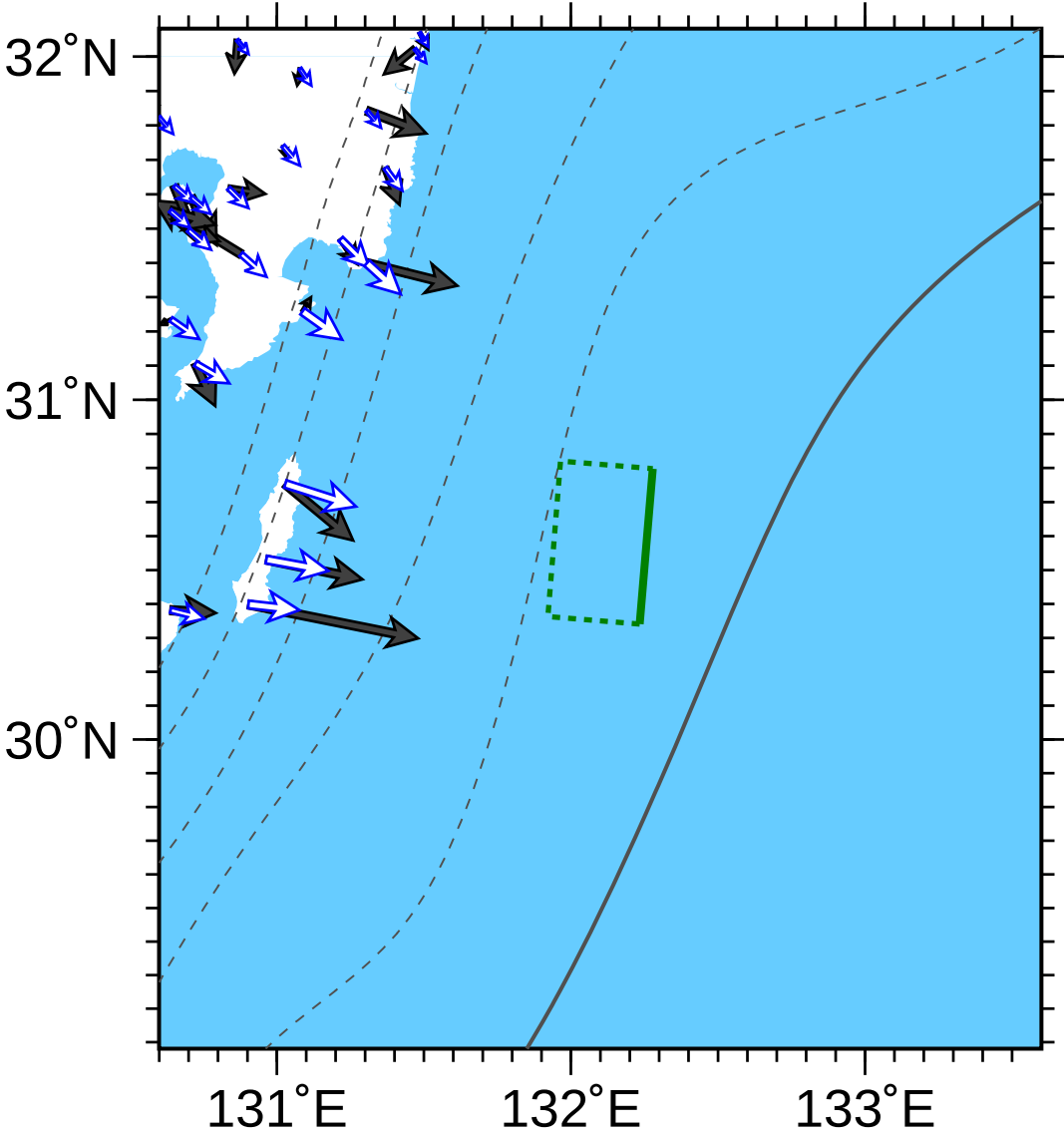
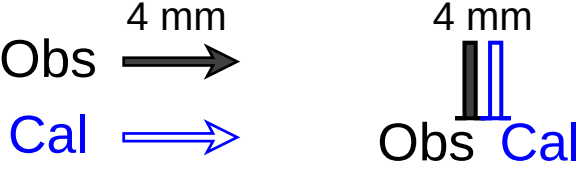
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



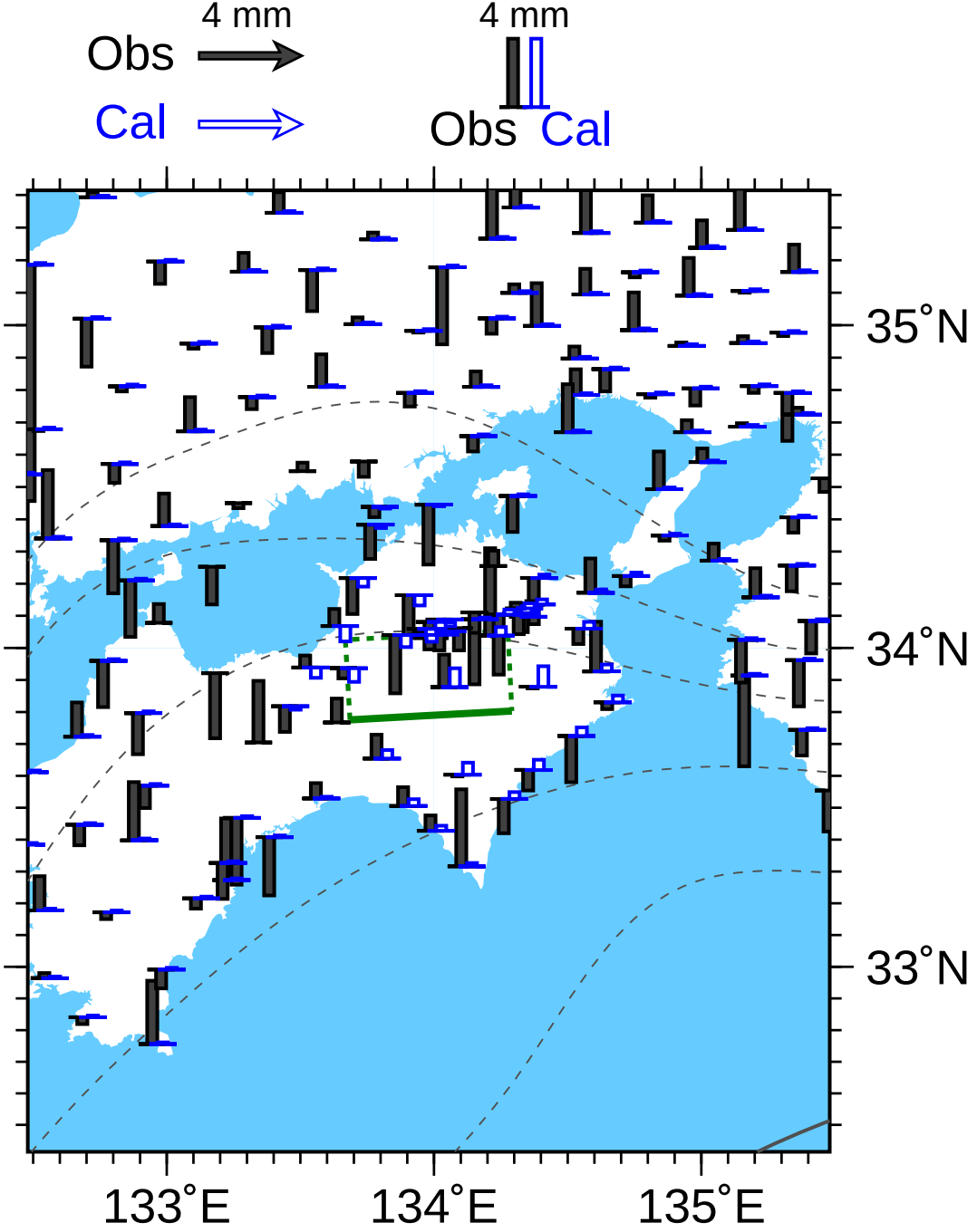
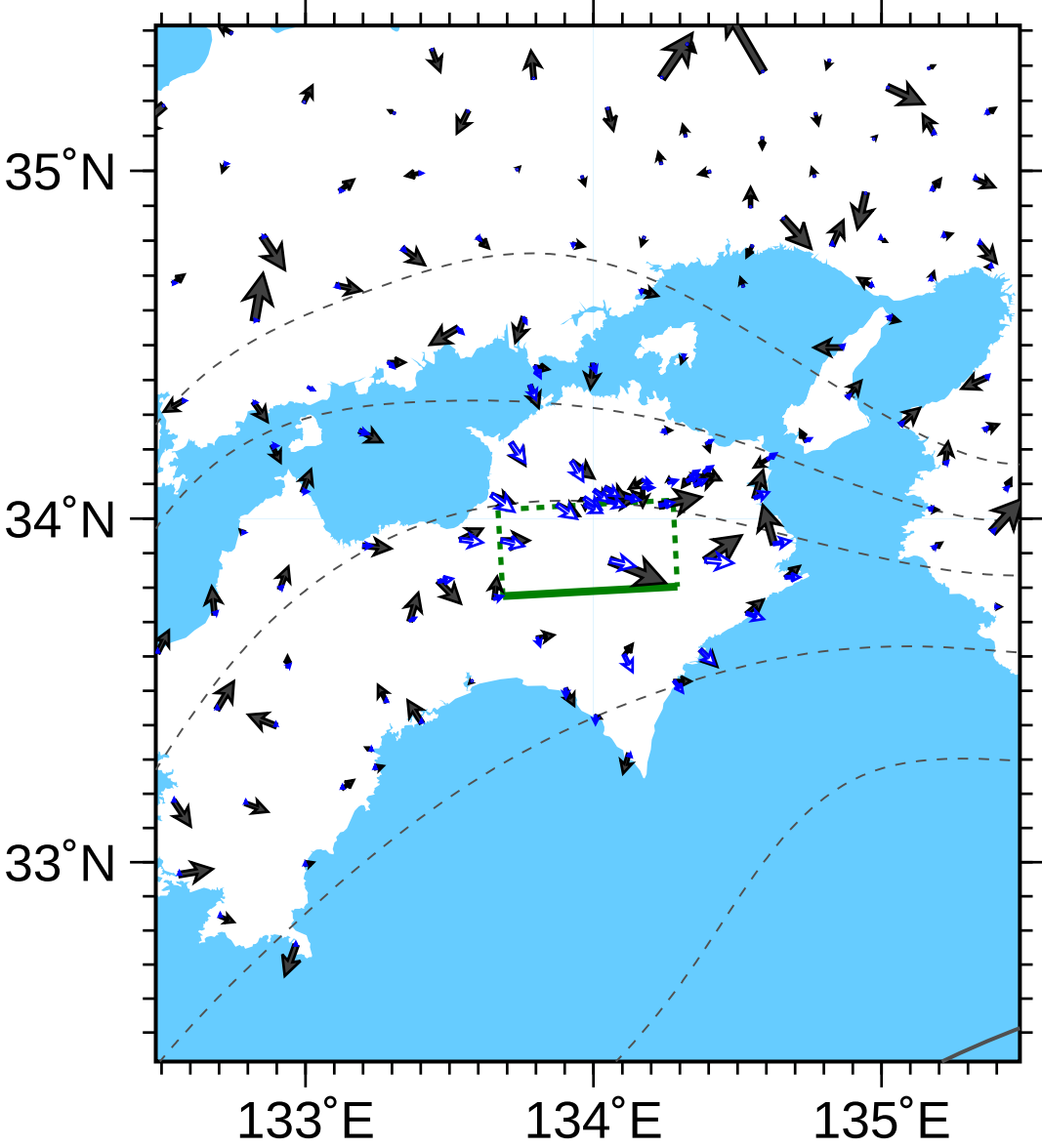
Date: Jan-6-1999 class2 Duration: 40 days
len: 50.872 wid: 30.494 str: 184.742 dip: 8.678 rak: 75.898
slp: 203.9 Mw: 6.67 CC: 0.595 RC2: 6.7949e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Mar-27-1999 class2 Duration: 8 days
len: 56.210 wid: 28.101 str: 266.874 dip: 8.773 rak: 139.911
slp: 9.6 Mw: 5.79 CC: 0.520 RC2: 1.2170e+02

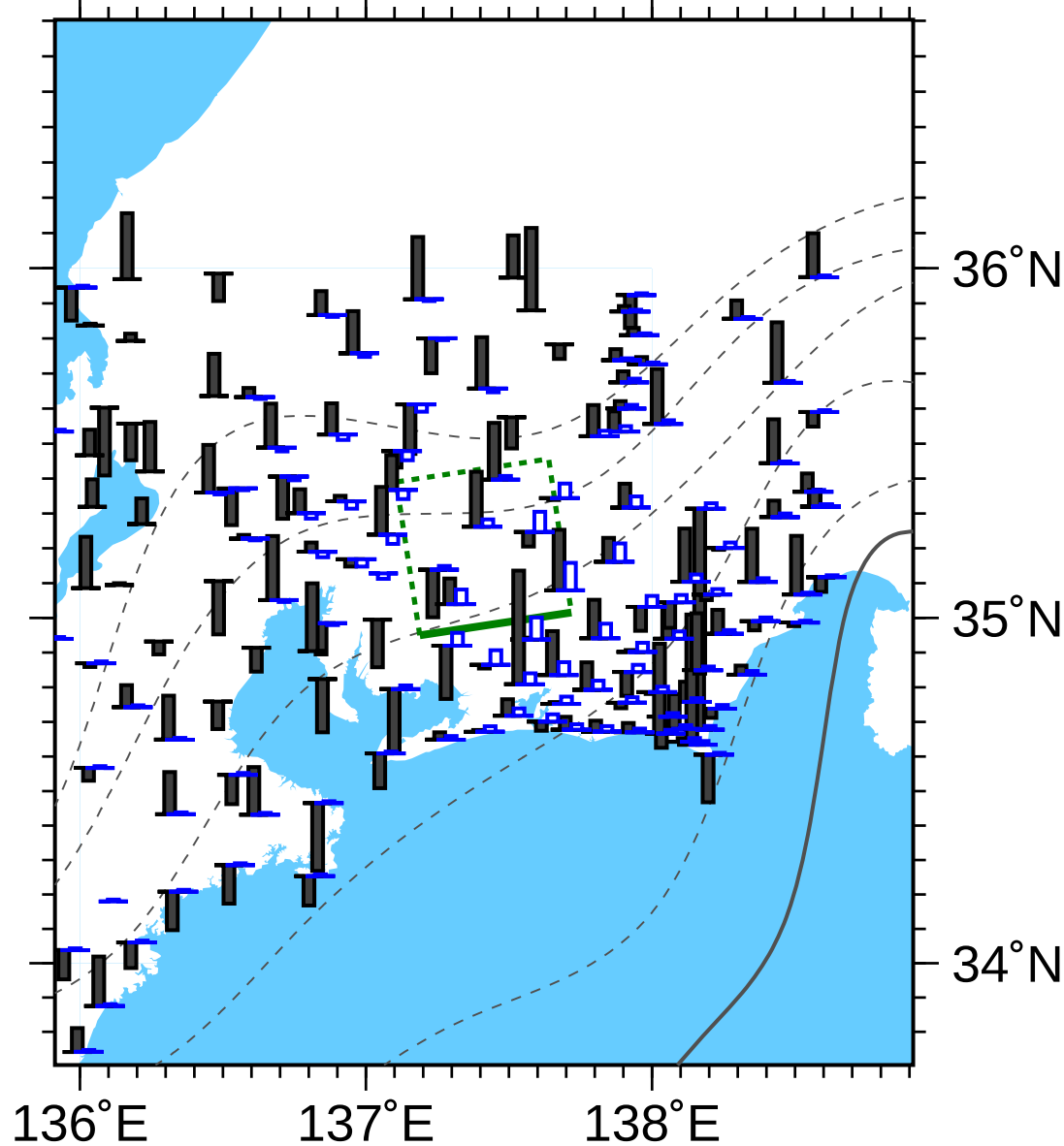
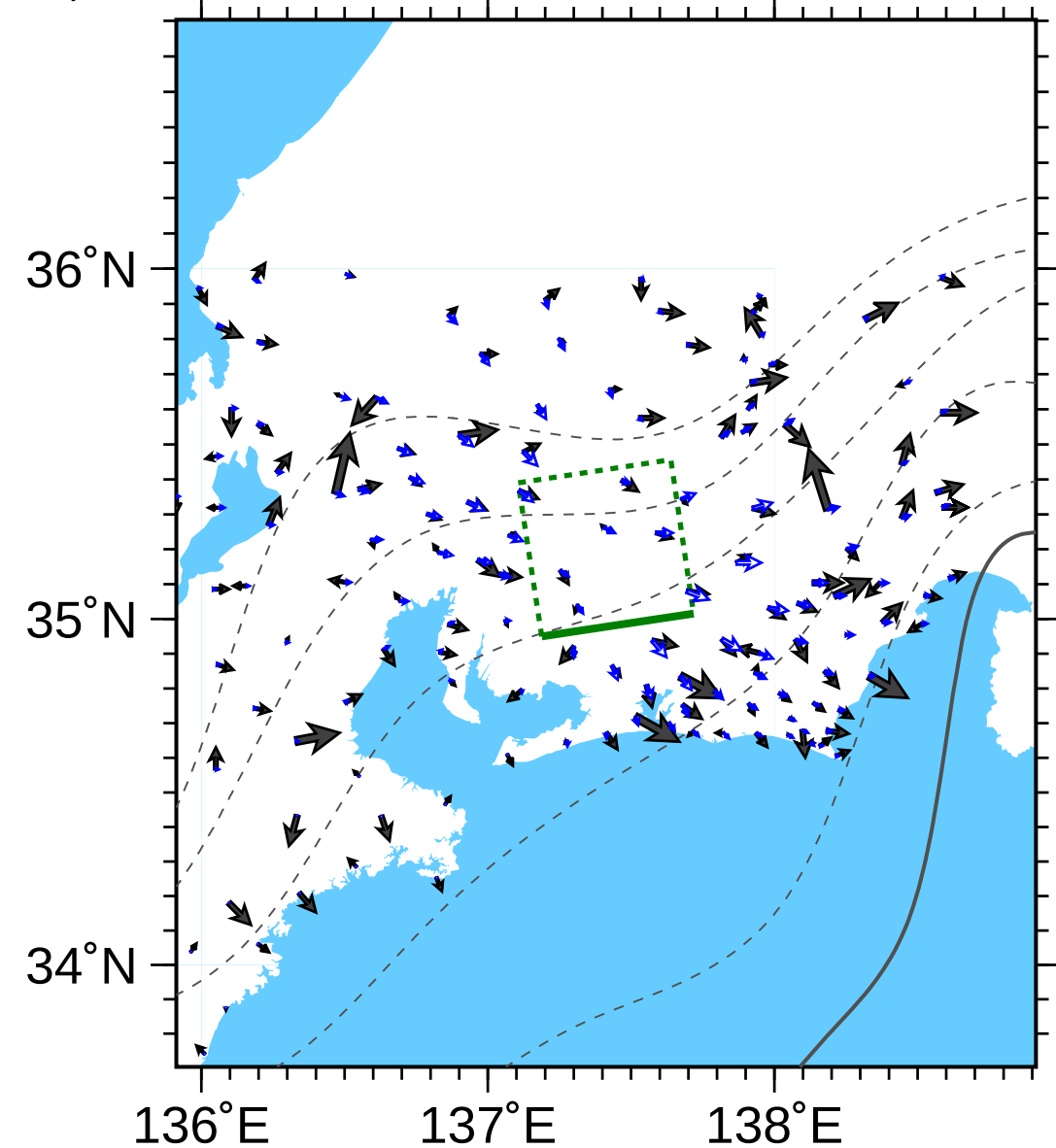


Date: May-6-1999 class2 Duration: 1 days

len: 48.923 wid: 51.939 str: 261.396 dip: 17.863 rak: 134.958

slp: 7.3 Mw: 5.85 CC: 0.462 RC2: 1.3547e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



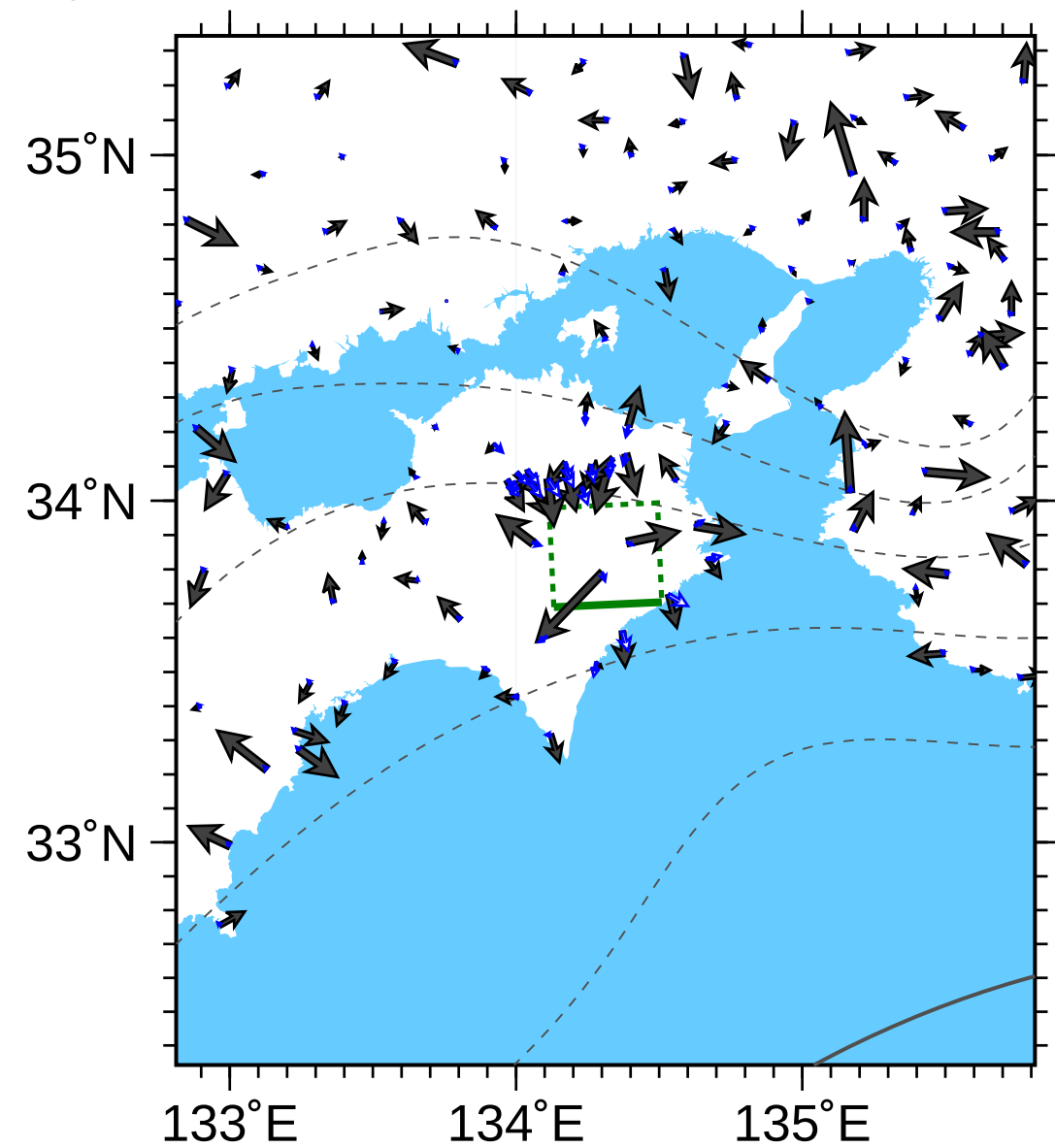
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



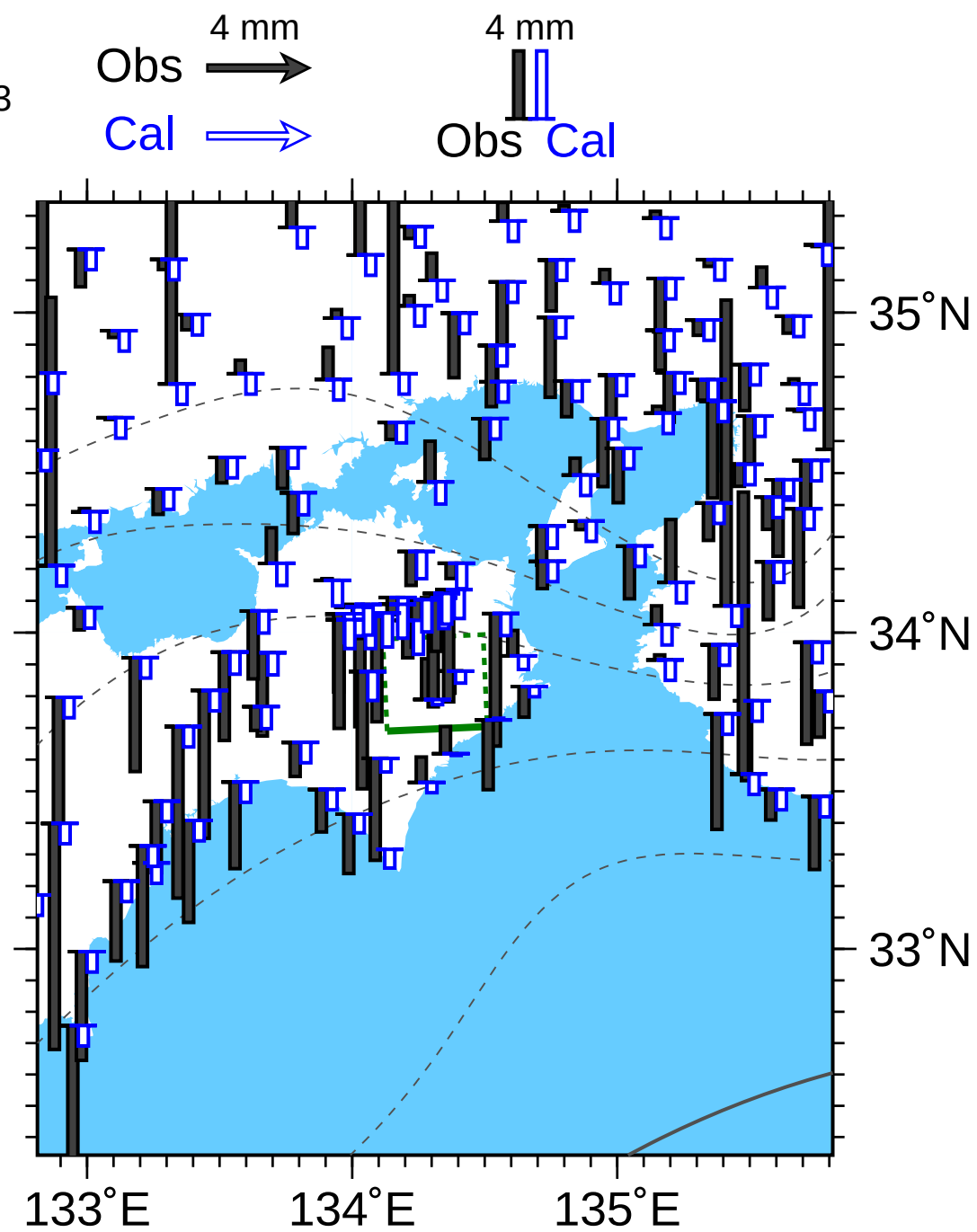
Date: Aug-8-1999 class2 Duration: 1 days

len: 35.047 wid: 32.690 str: 267.342 dip: 10.514 rak: 120.523

slp: 8.8 Mw: 5.67 CC: 0.406 RC2: 7.3493e+01



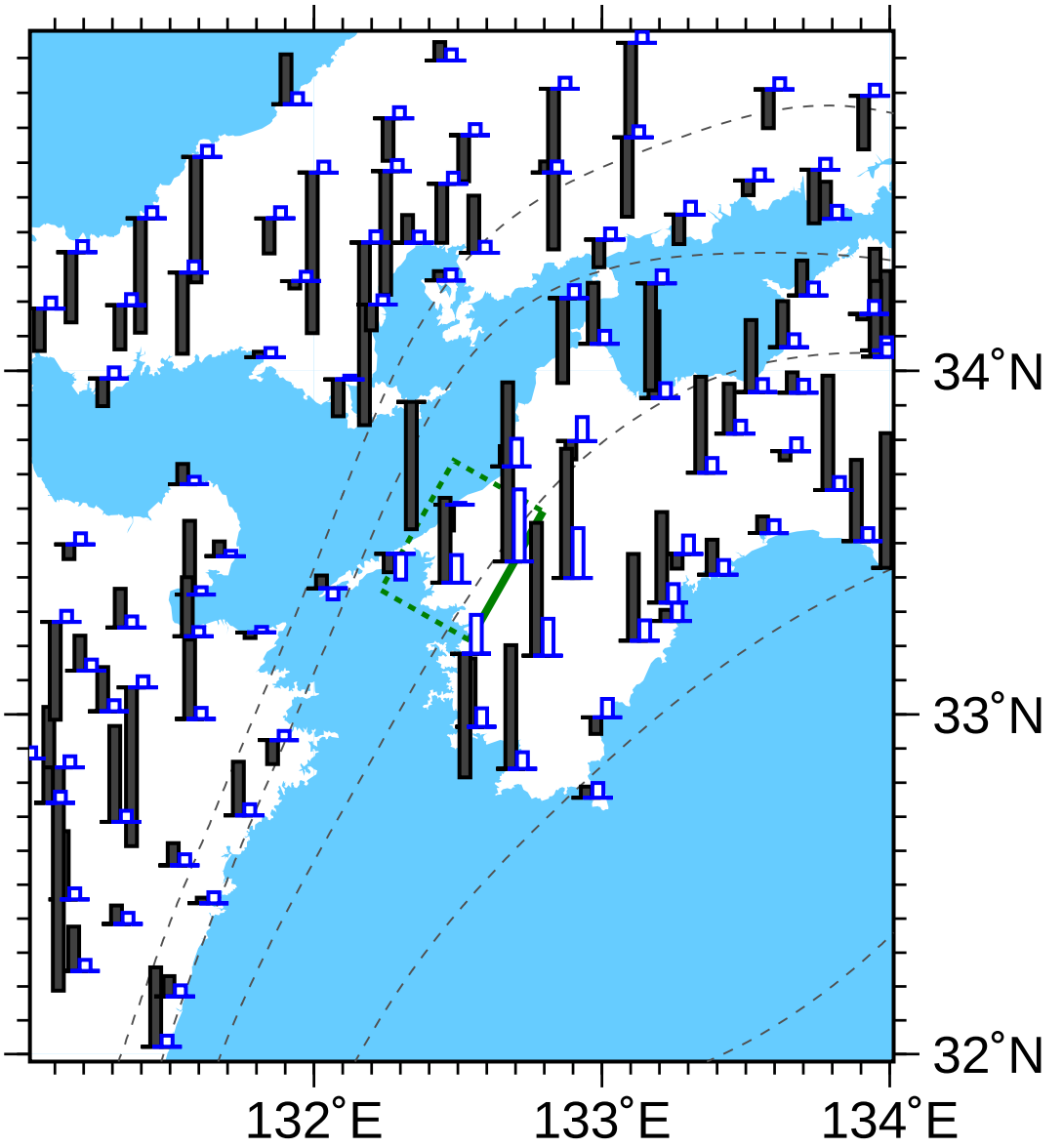
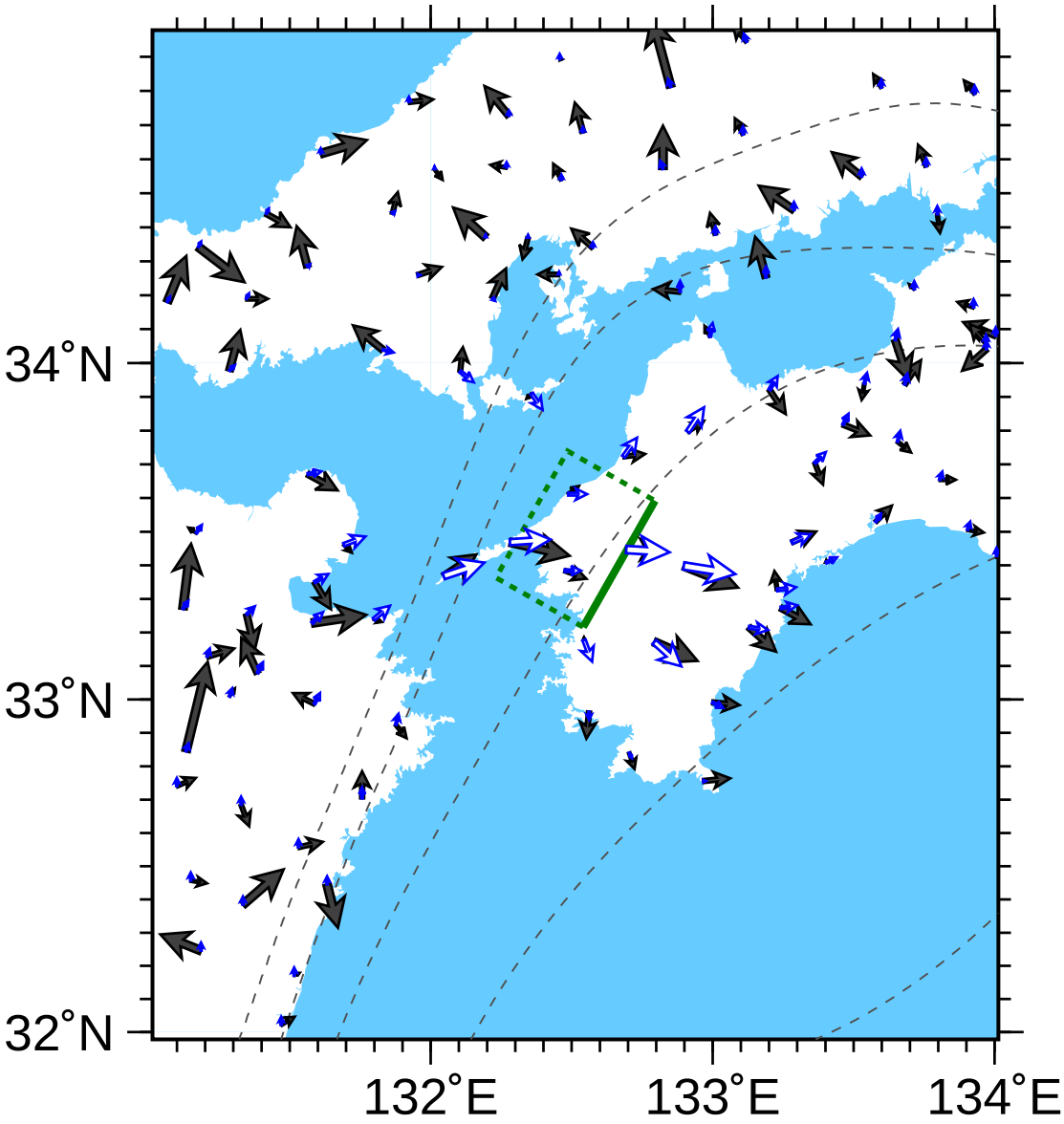
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Sep-12-1999 class2 Duration: 2 days
len: 47.944 wid: 33.274 str: 209.578 dip: 6.170 rak: 101.138
slp: 20.9 Mw: 6.02 CC: 0.552 RC2: 9.8767e+01

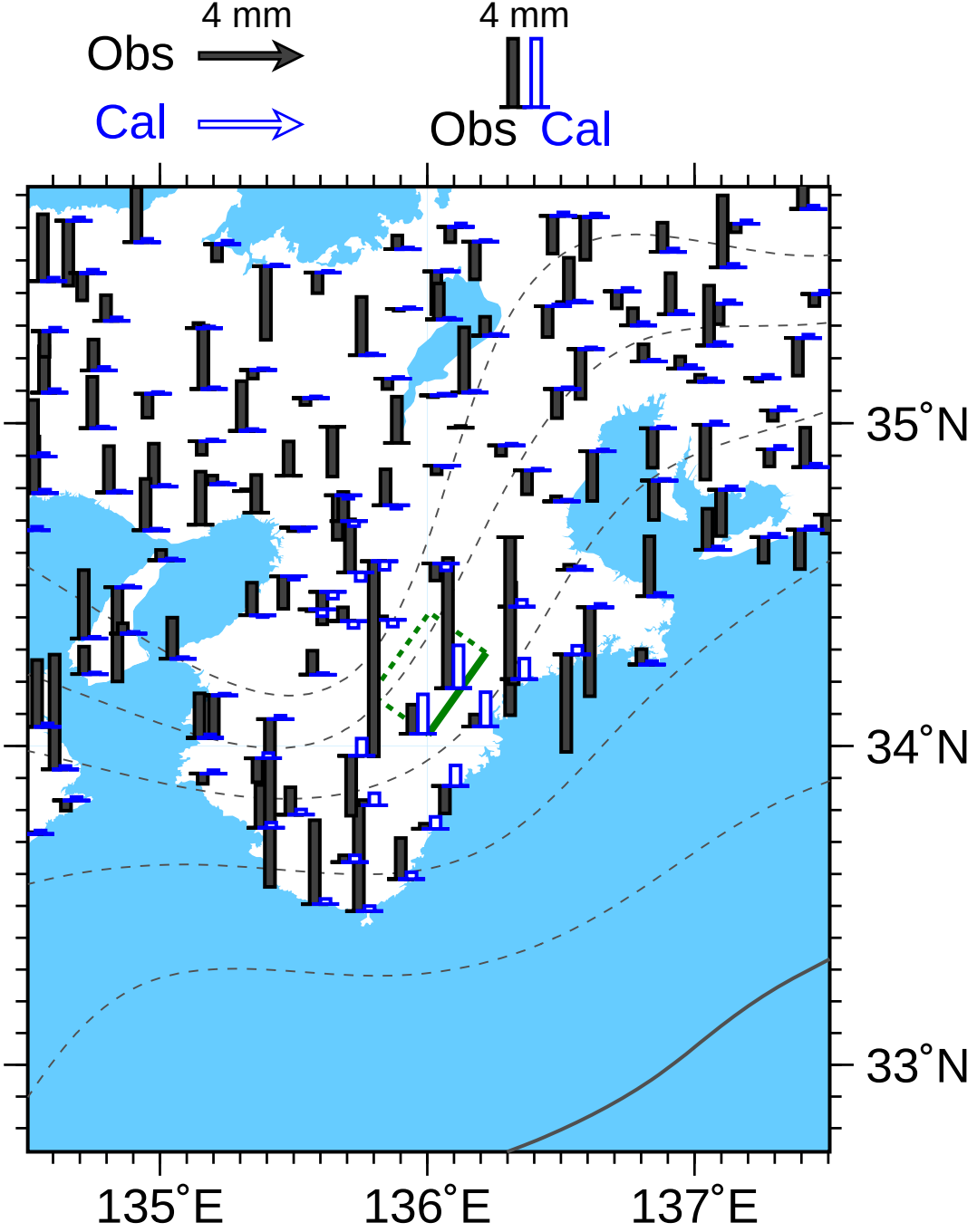
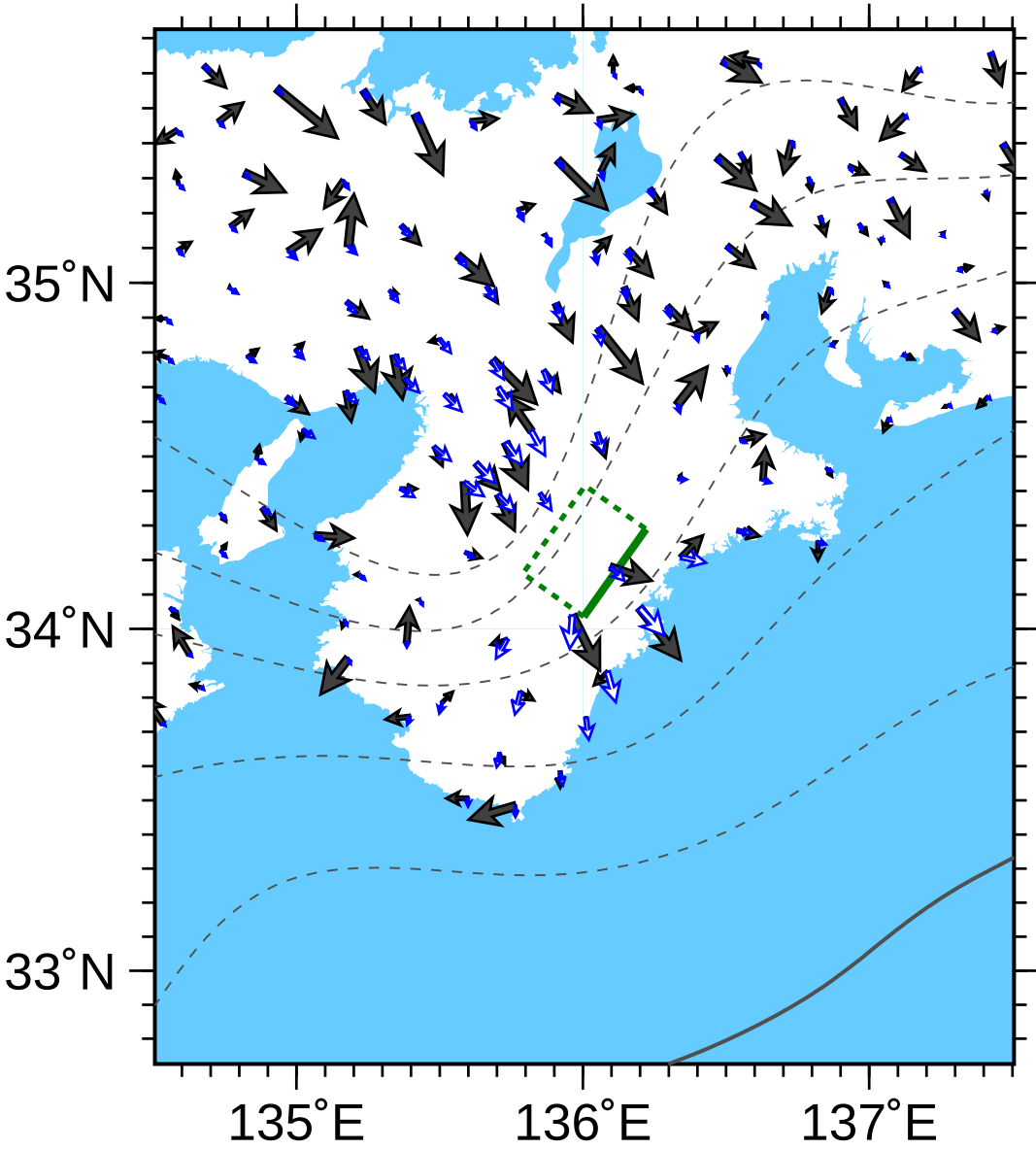
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Sep-21-1999 class2 Duration: 1 days
len: 34.618 wid: 25.599 str: 215.368 dip: 20.150 rak: 63.137
slp: 23.3 Mw: 5.88 CC: 0.562 RC2: 7.0320e+01



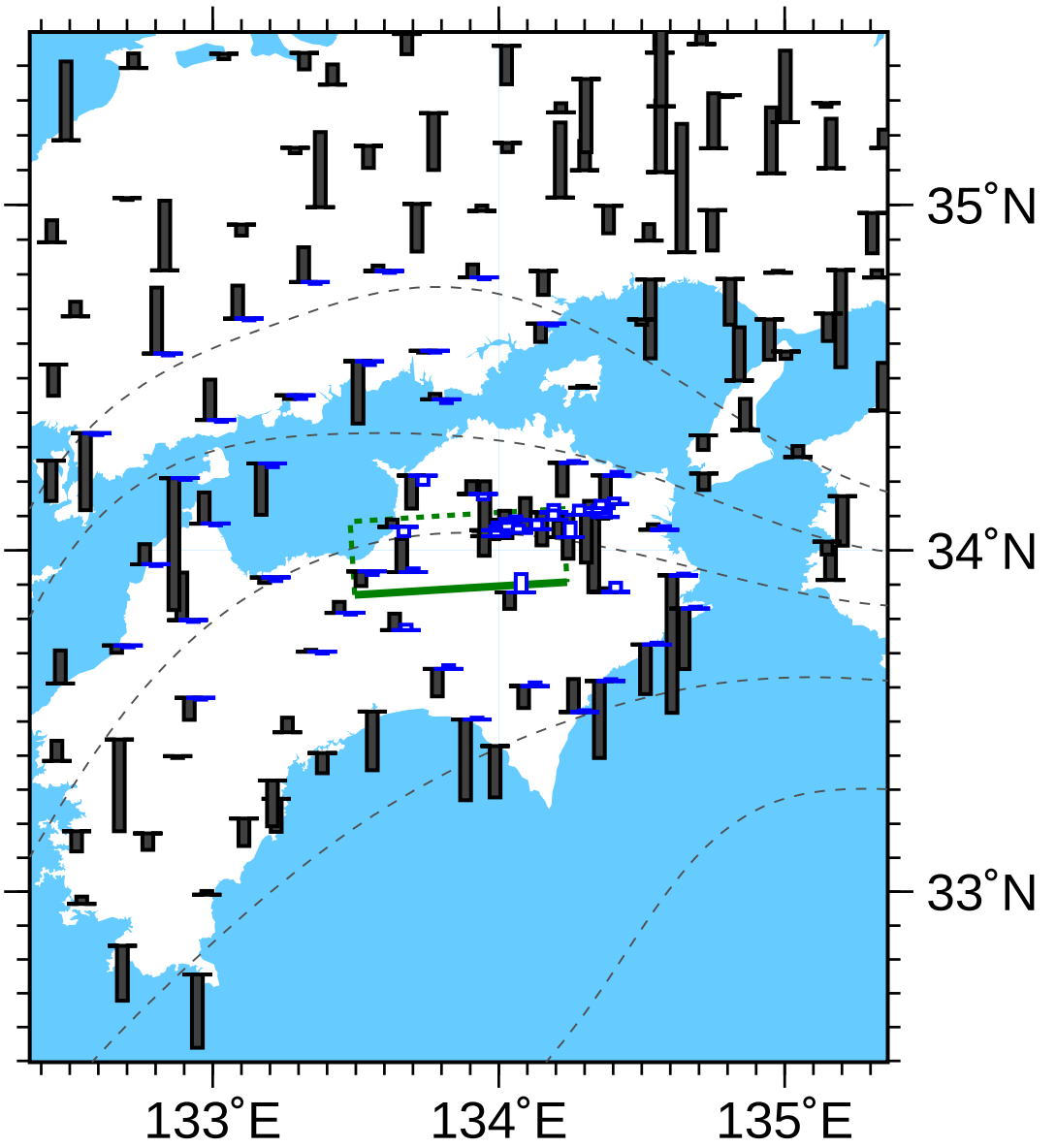
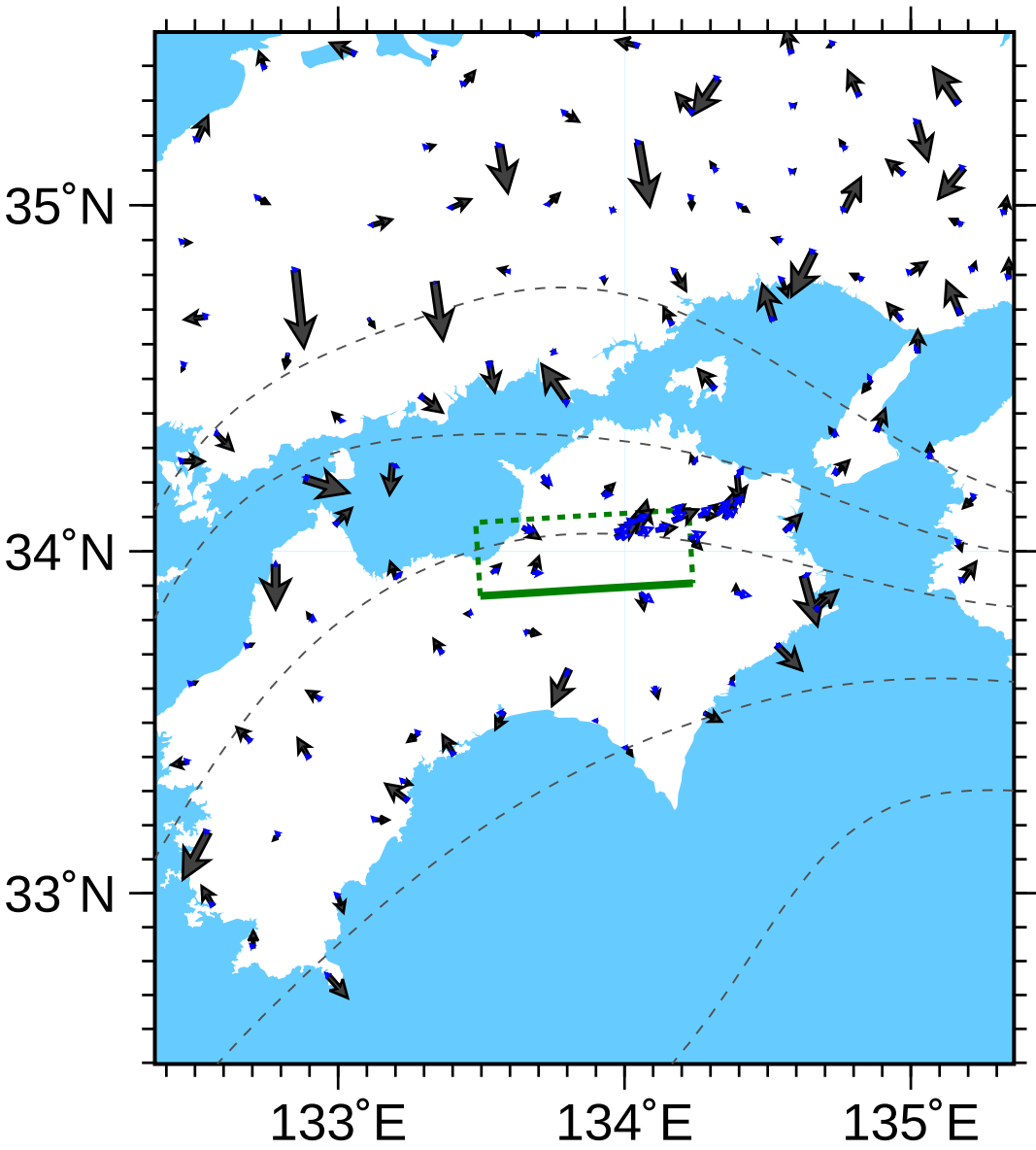
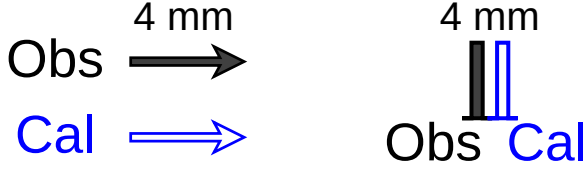
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Oct-27-1999 class2 Duration: 1 days

len: 68.790 wid: 24.319 str: 266.557 dip: 12.496 rak: 142.666

slp: 7.1 Mw: 5.72 CC: 0.457 RC2: 7.0463e+01



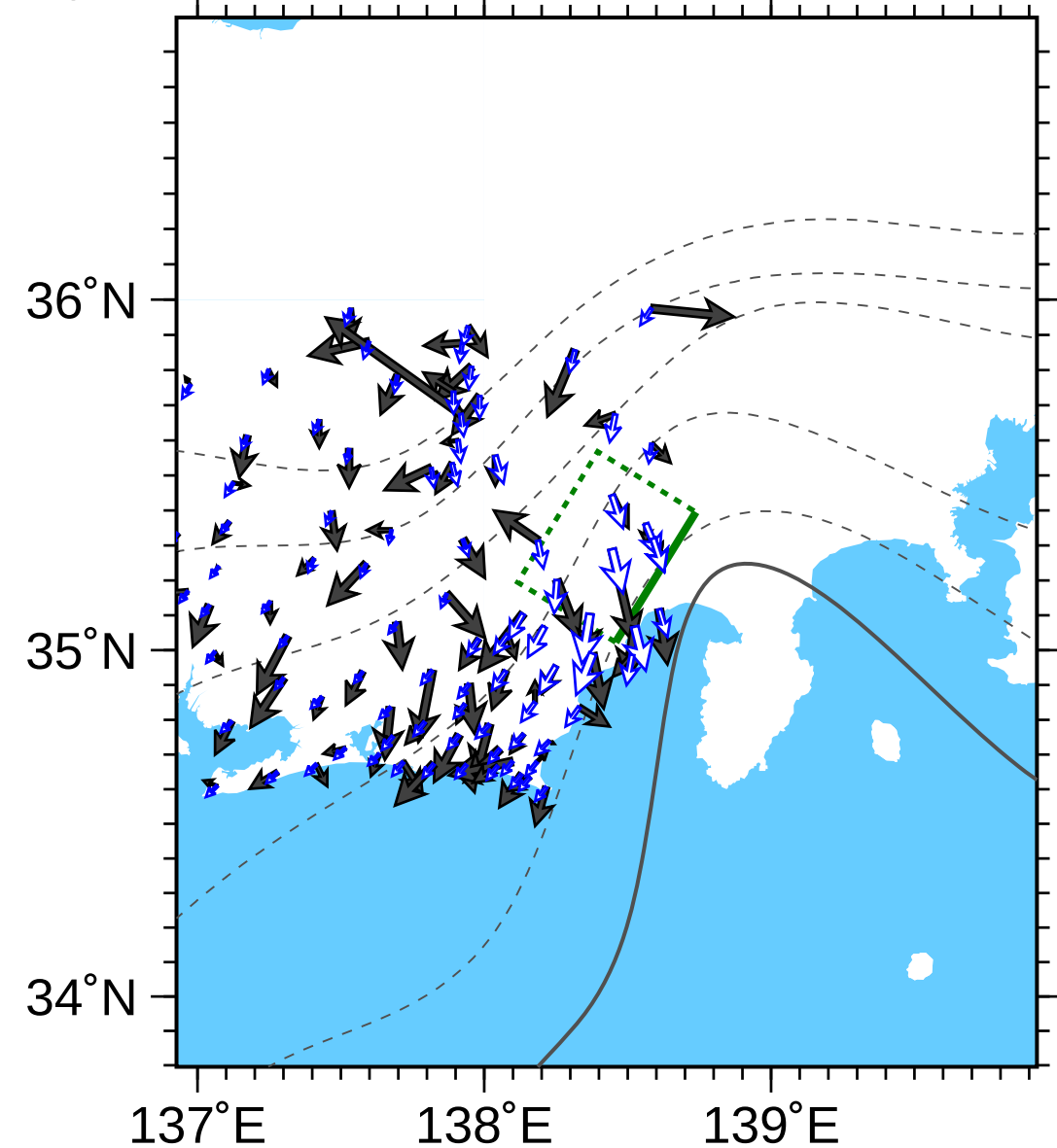
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



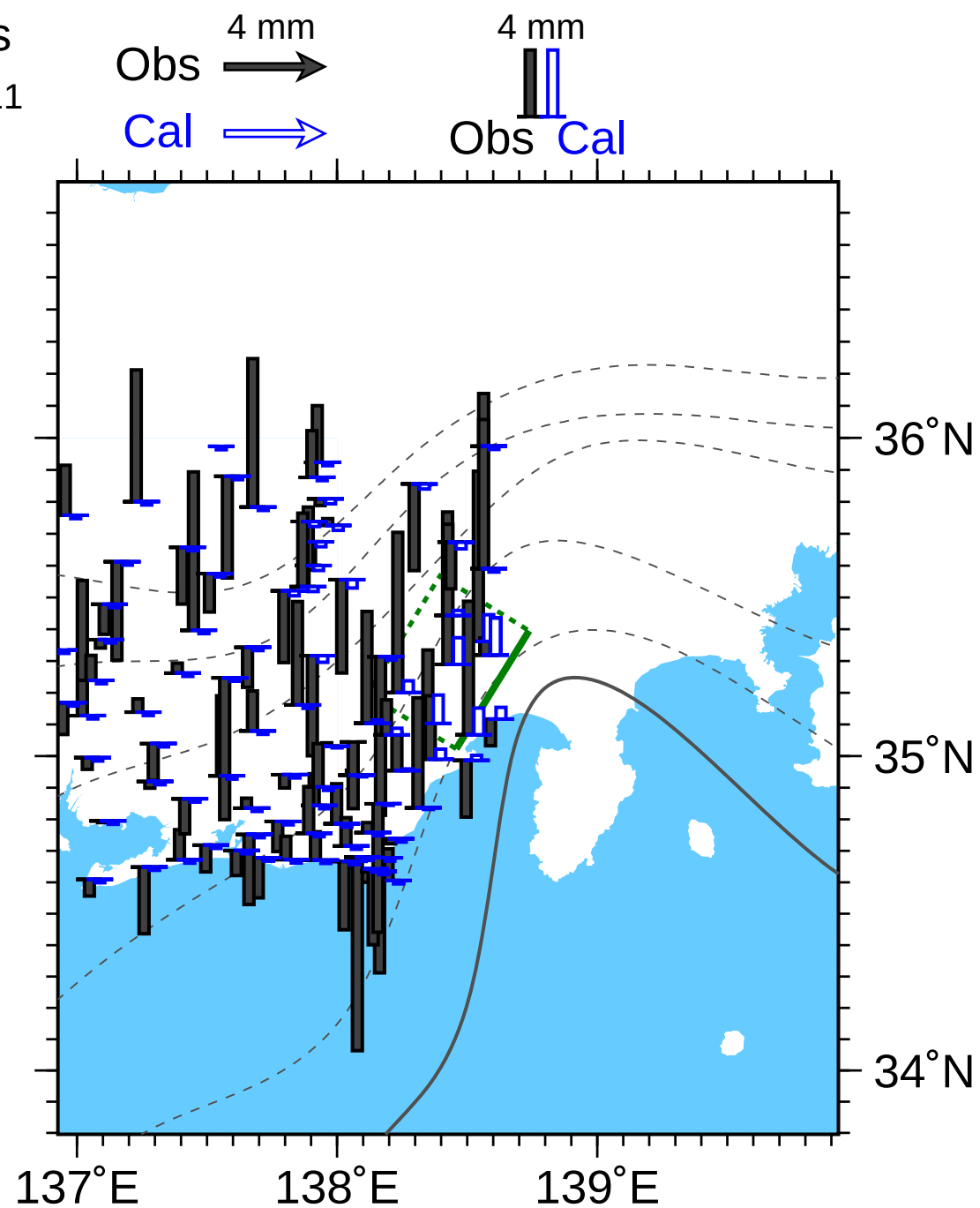
Date: Nov-25-1999 class2 Duration: 13 days

len: 48.529 wid: 40.862 str: 211.598 dip: 26.749 rak: 73.511

slp: 6.5 Mw: 5.74 CC: 0.425 RC2: 9.2056e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

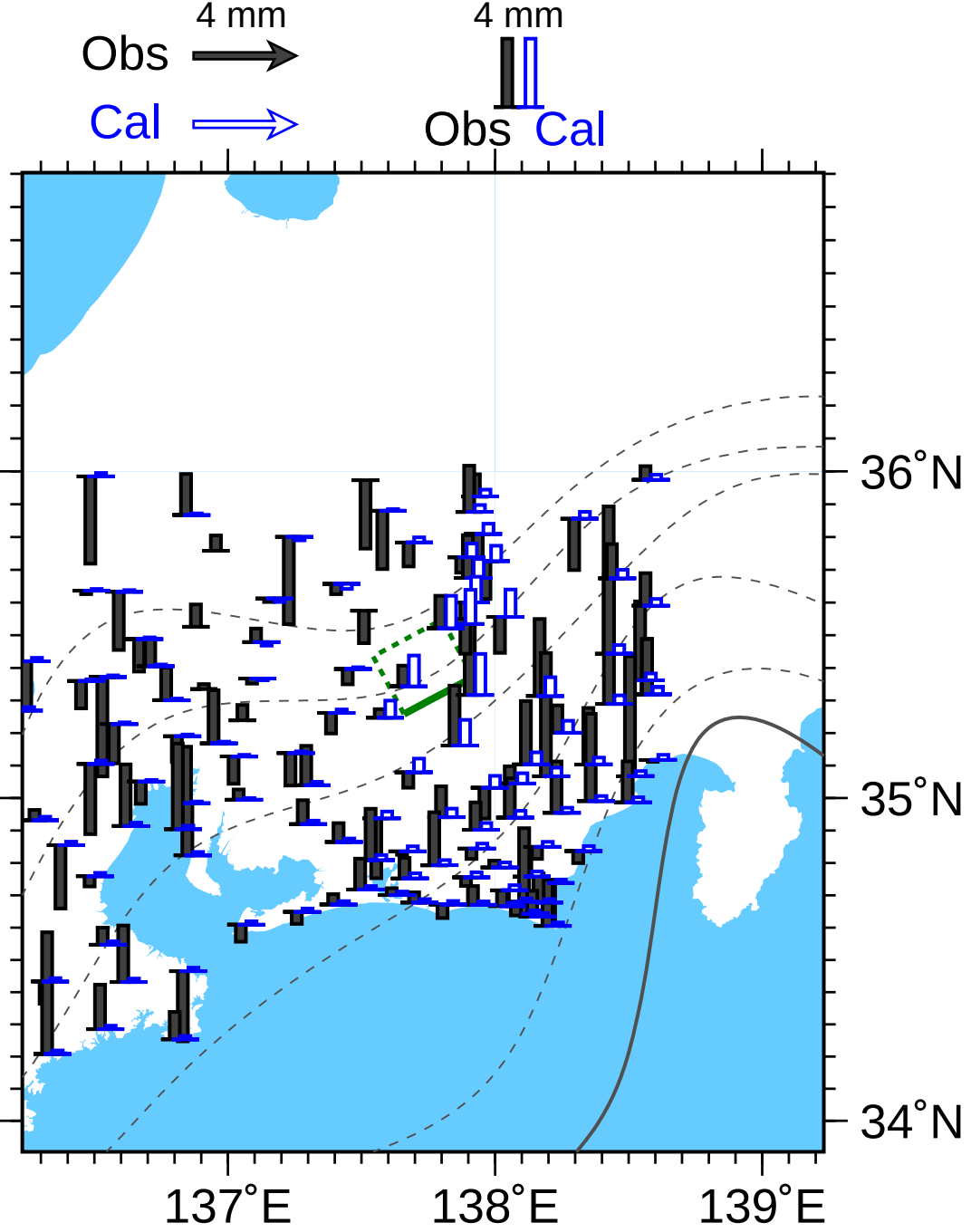
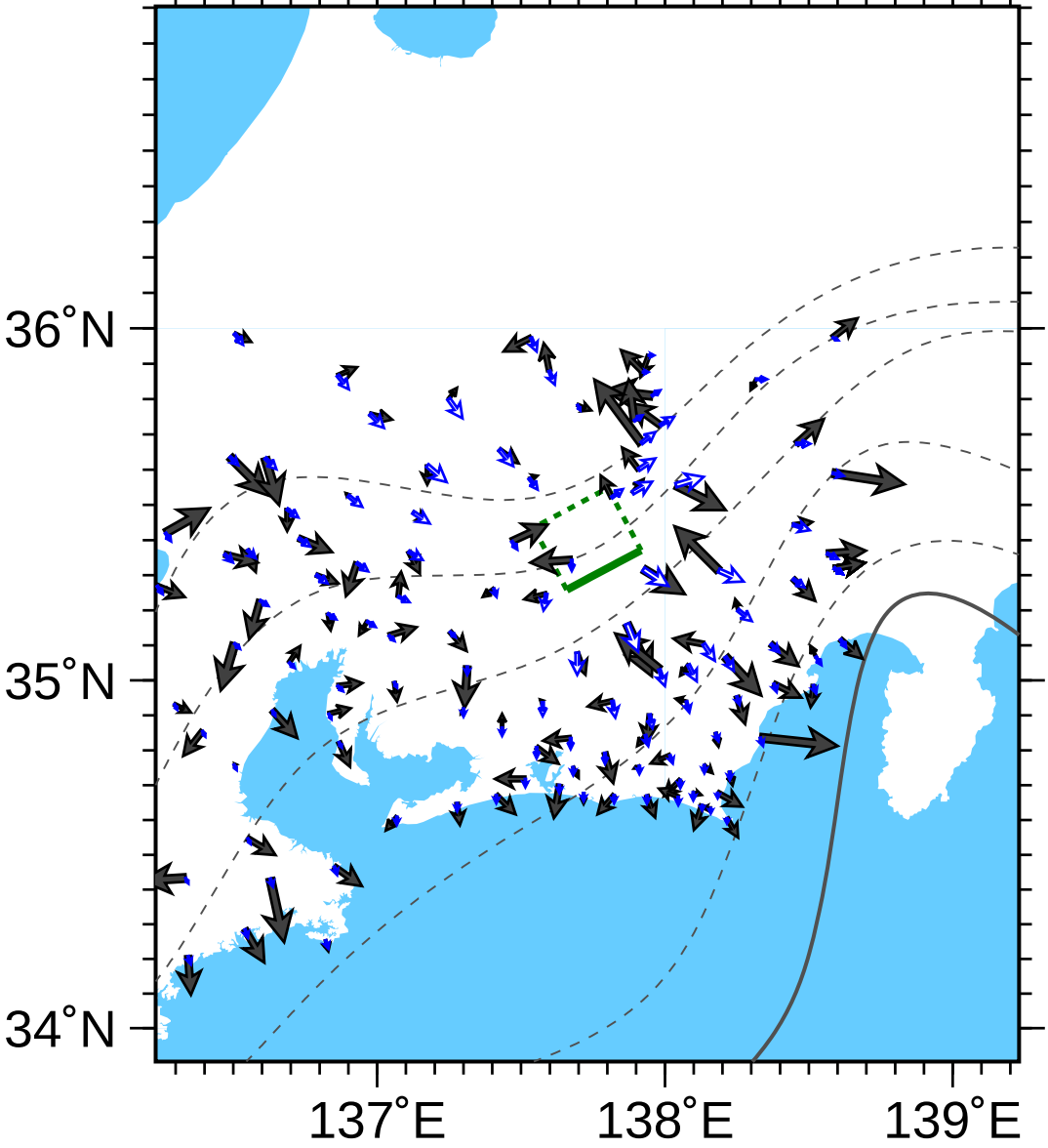


- 10
- 100
- 1000

Date: Feb-9-2000 class2 Duration: 10 days

len: 26.615 wid: 25.289 str: 241.957 dip: 28.403 rak: 125.778

slp: 34.7 Mw: 5.91 CC: 0.505 RC2: 7.1755e+01

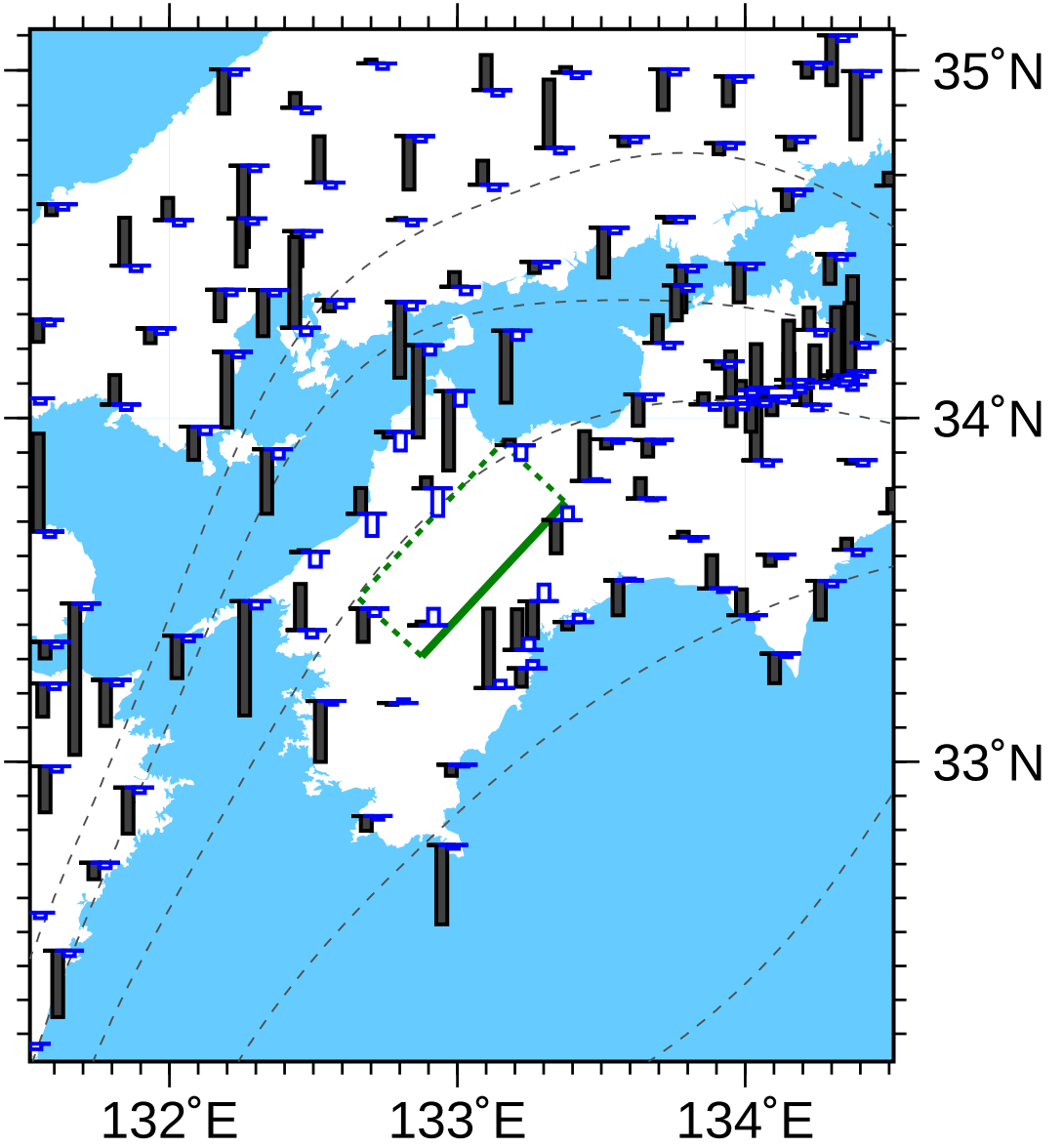
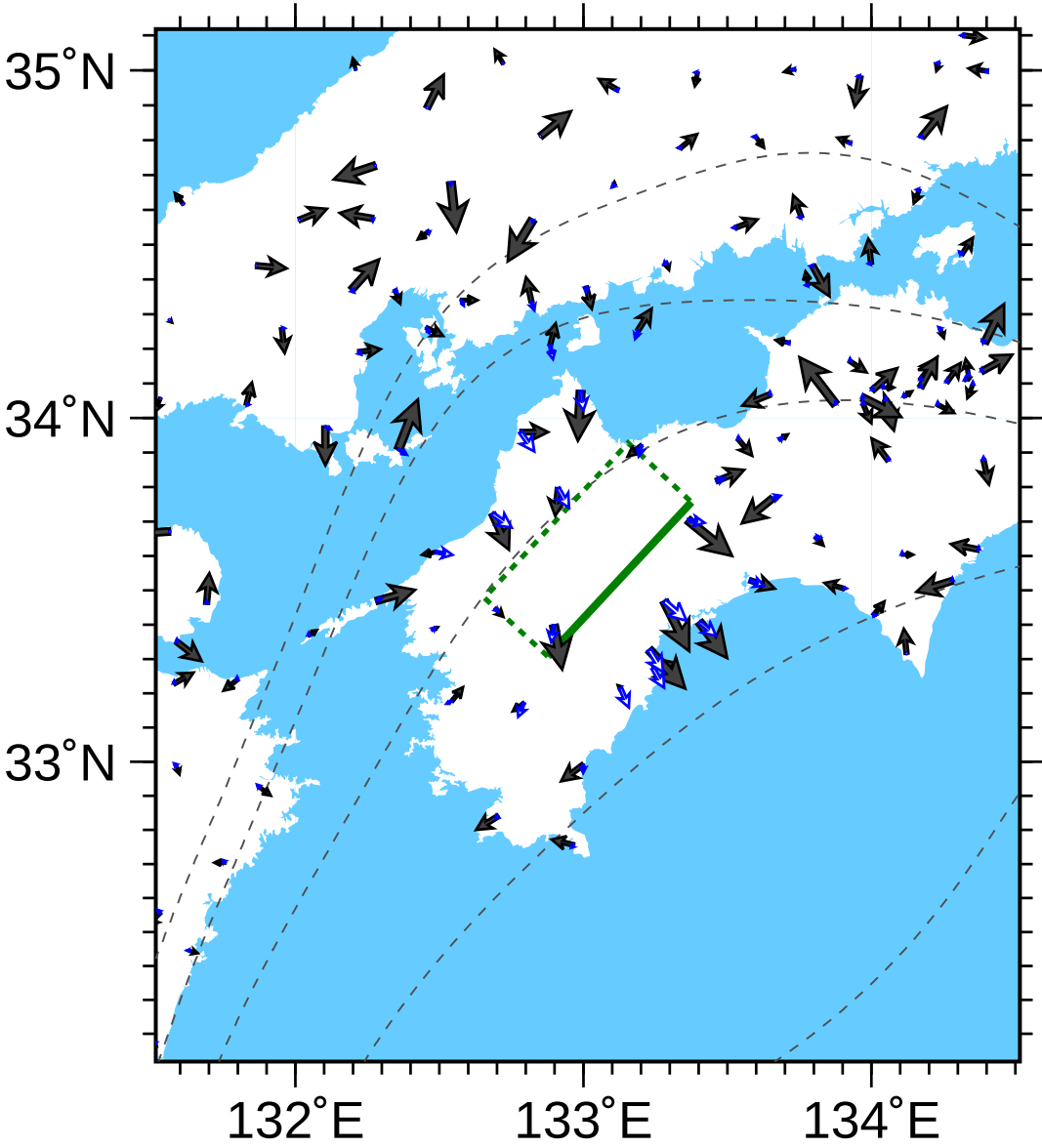


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Feb-12-2000 class2 Duration: 7 days
len: 68.031 wid: 28.042 str: 222.871 dip: 5.960 rak: 81.099
slp: 9.5 Mw: 5.84 CC: 0.621 RC2: 1.0486e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



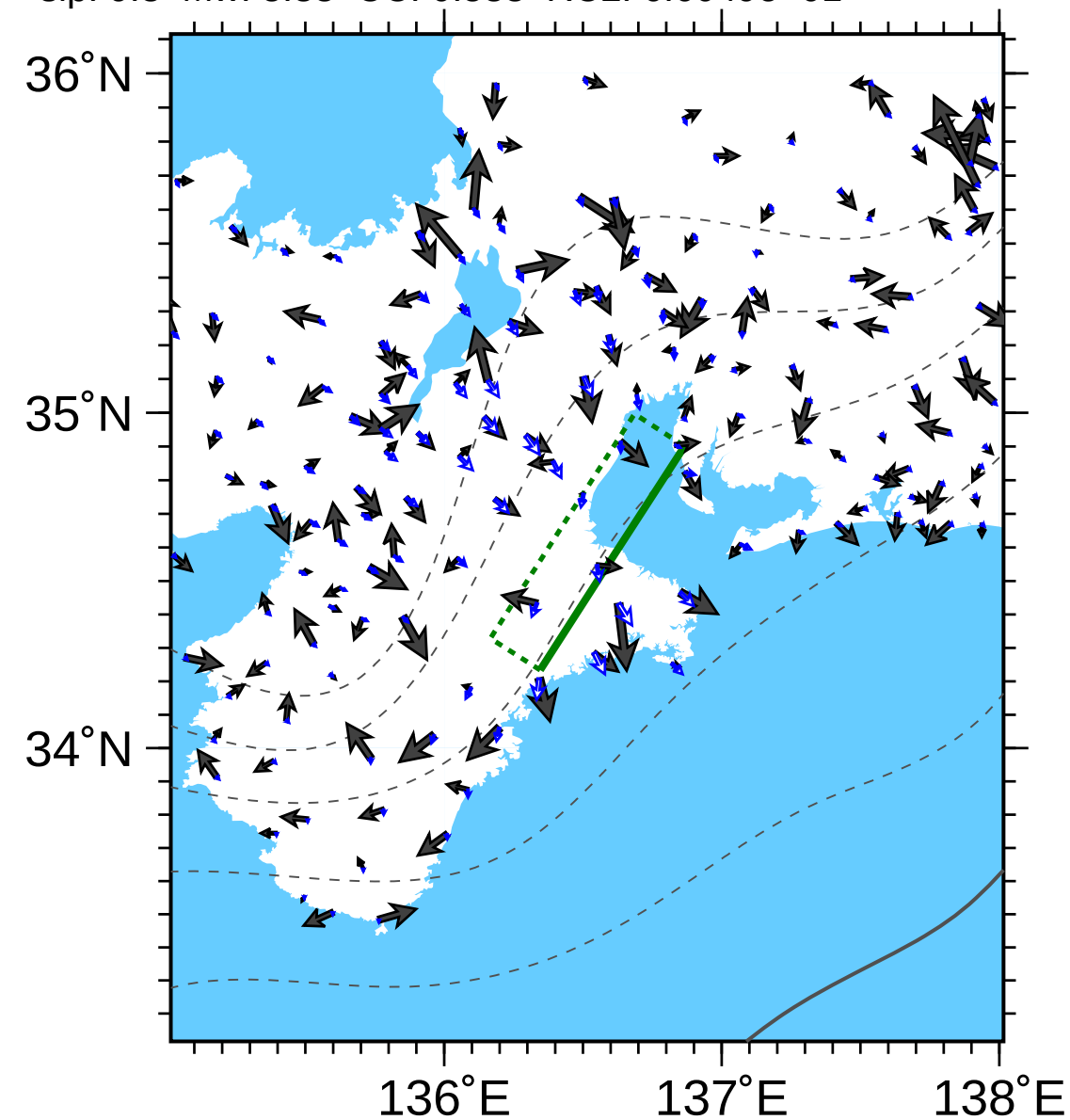
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

Date: Feb-15-2000 class2 Duration: 17 days

len: 88.073 wid: 20.560 str: 212.742 dip: 17.915 rak: 62.801

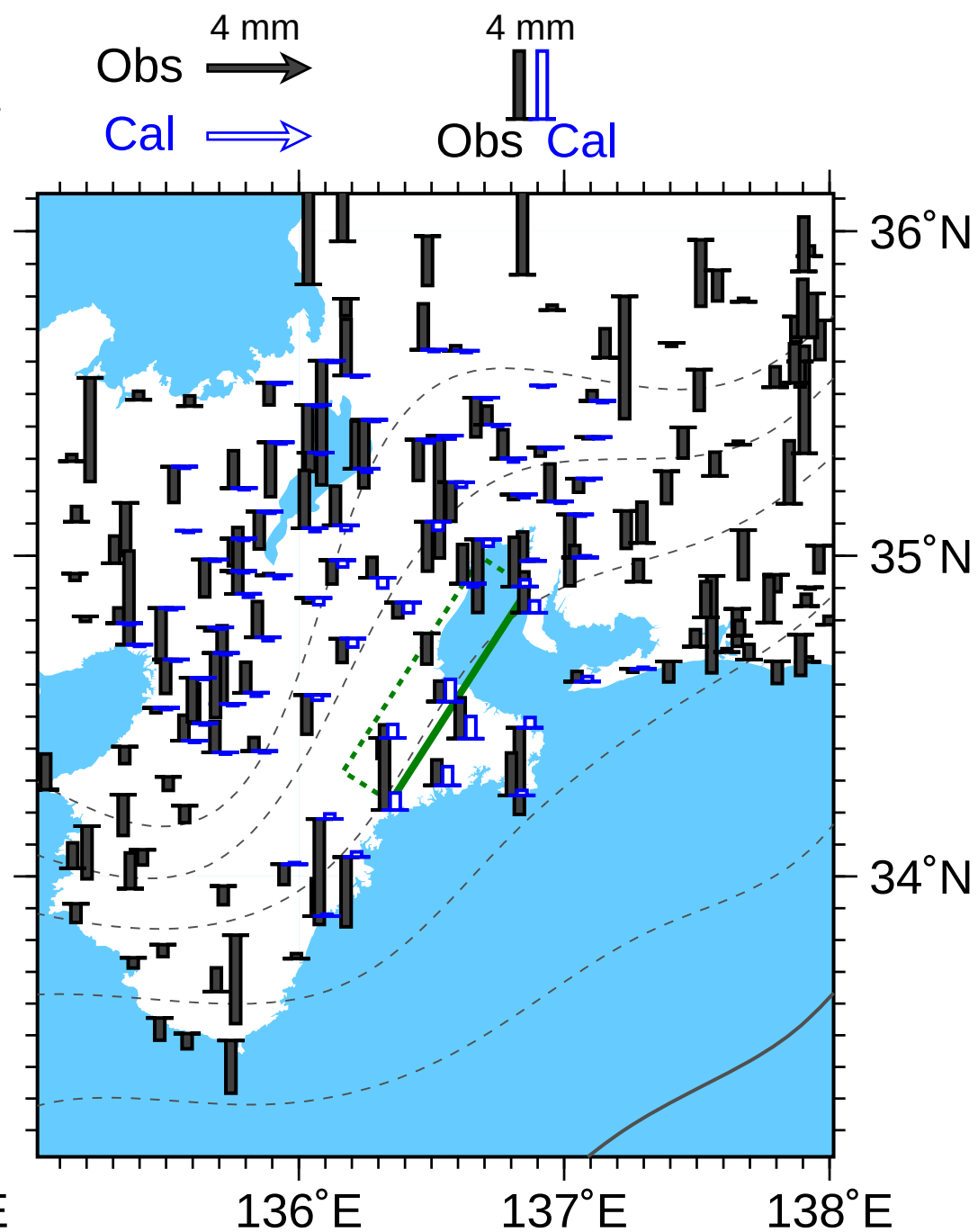
slp: 9.8 Mw: 5.83 CC: 0.588 RC2: 6.6049e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

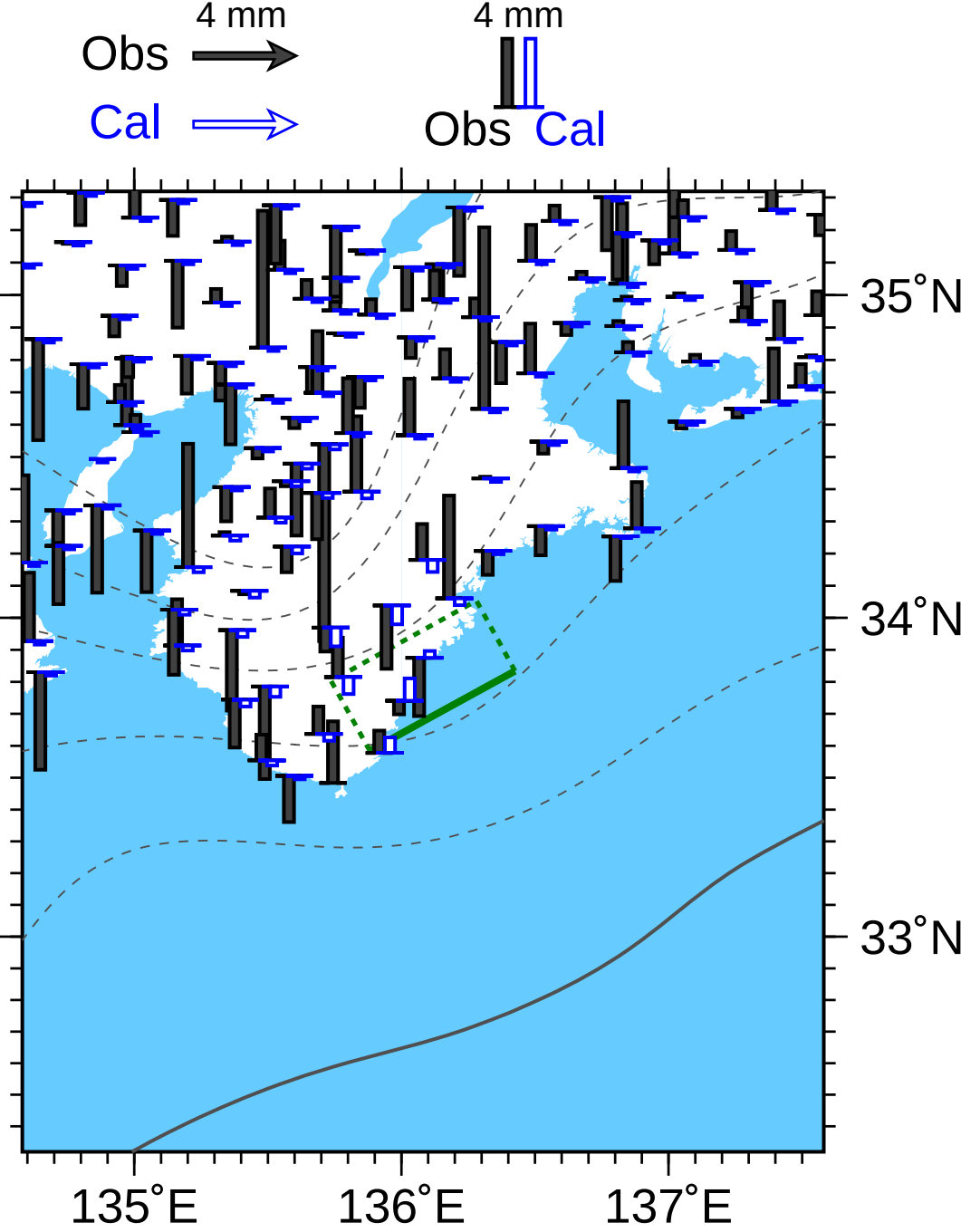
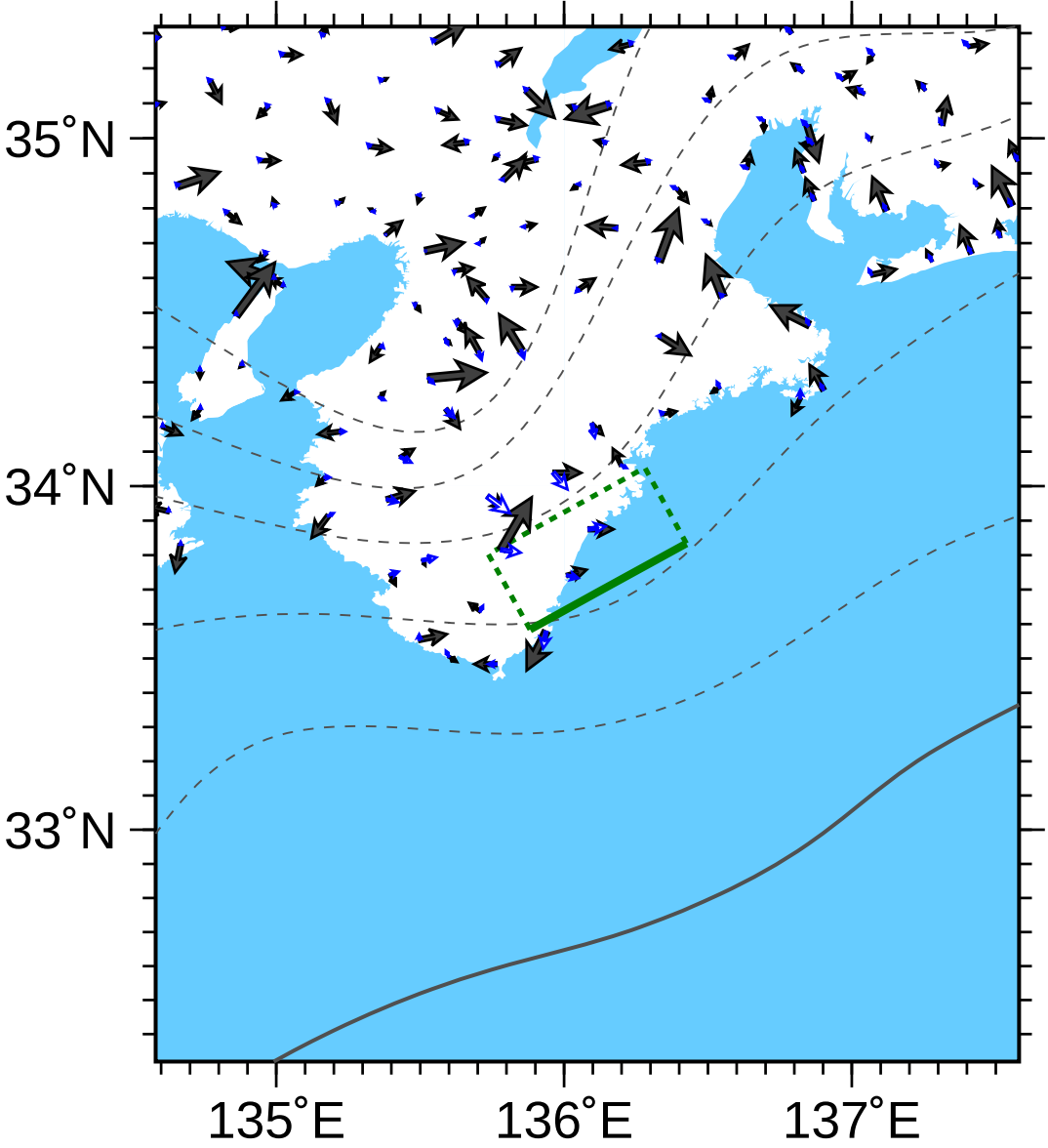


○ ○ ○
10 100 1000

Date: Mar-27-2000 class2 Duration: 3 days

len: 57.490 wid: 28.728 str: 241.132 dip: 15.064 rak: 115.044

slp: 10.8 Mw: 5.84 CC: 0.538 RC2: 6.8643e+01



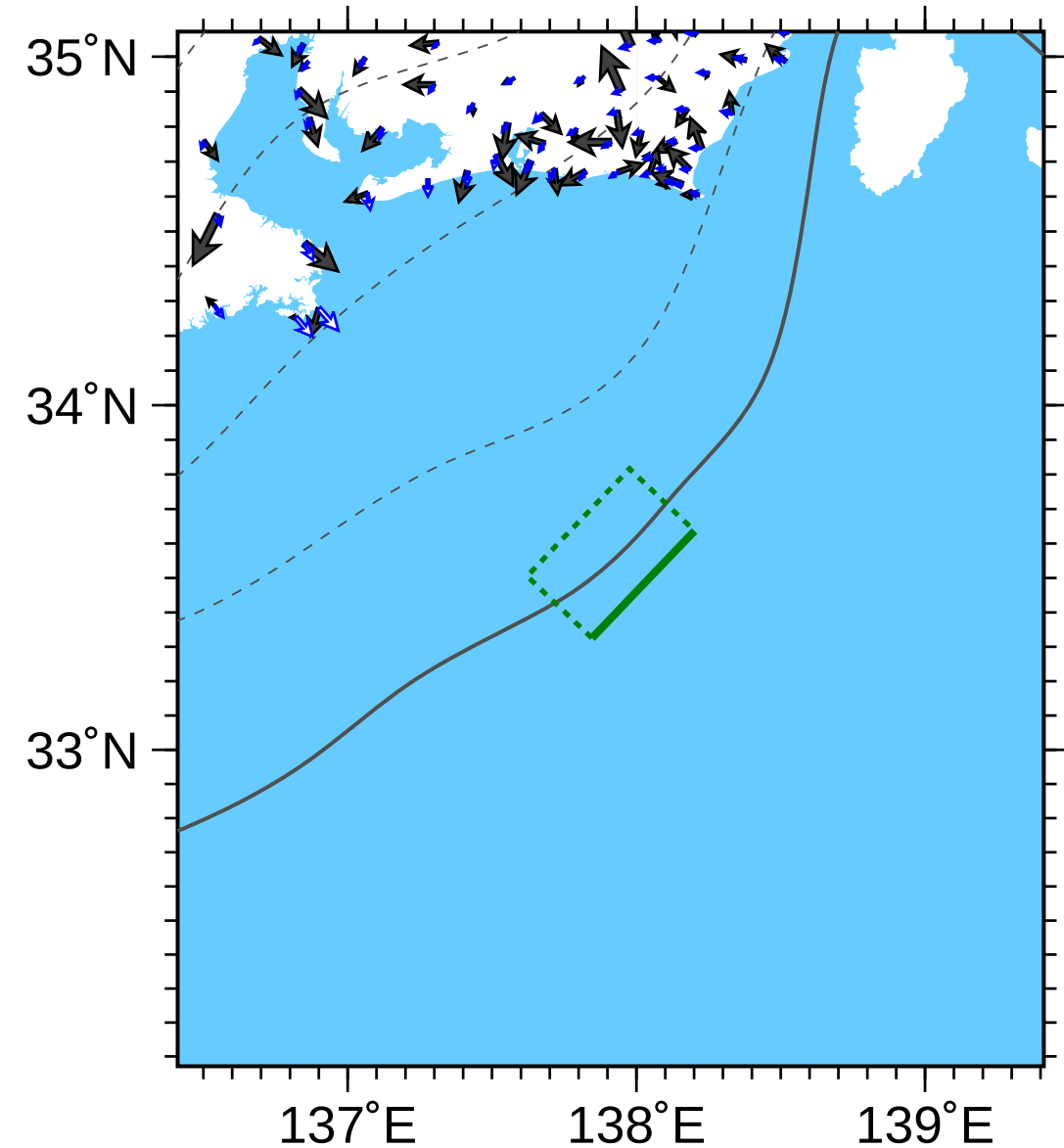
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



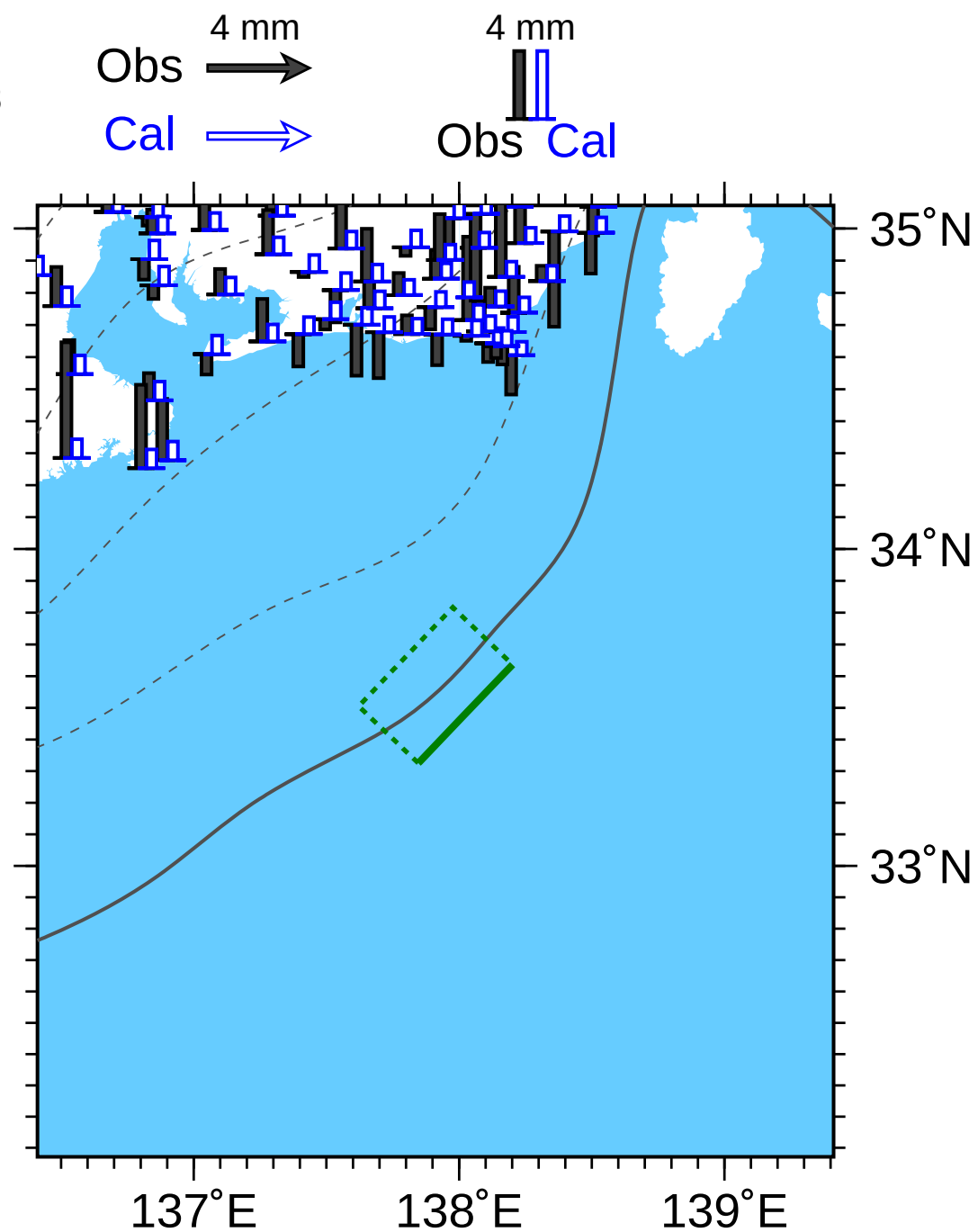
Date: May-10-2000 class2 Duration: 19 days

len: 47.733 wid: 28.964 str: 223.665 dip: 4.092 rak: 123.028

slp: 387.4 Mw: 6.82 CC: 0.474 RC2: 1.1298e+02

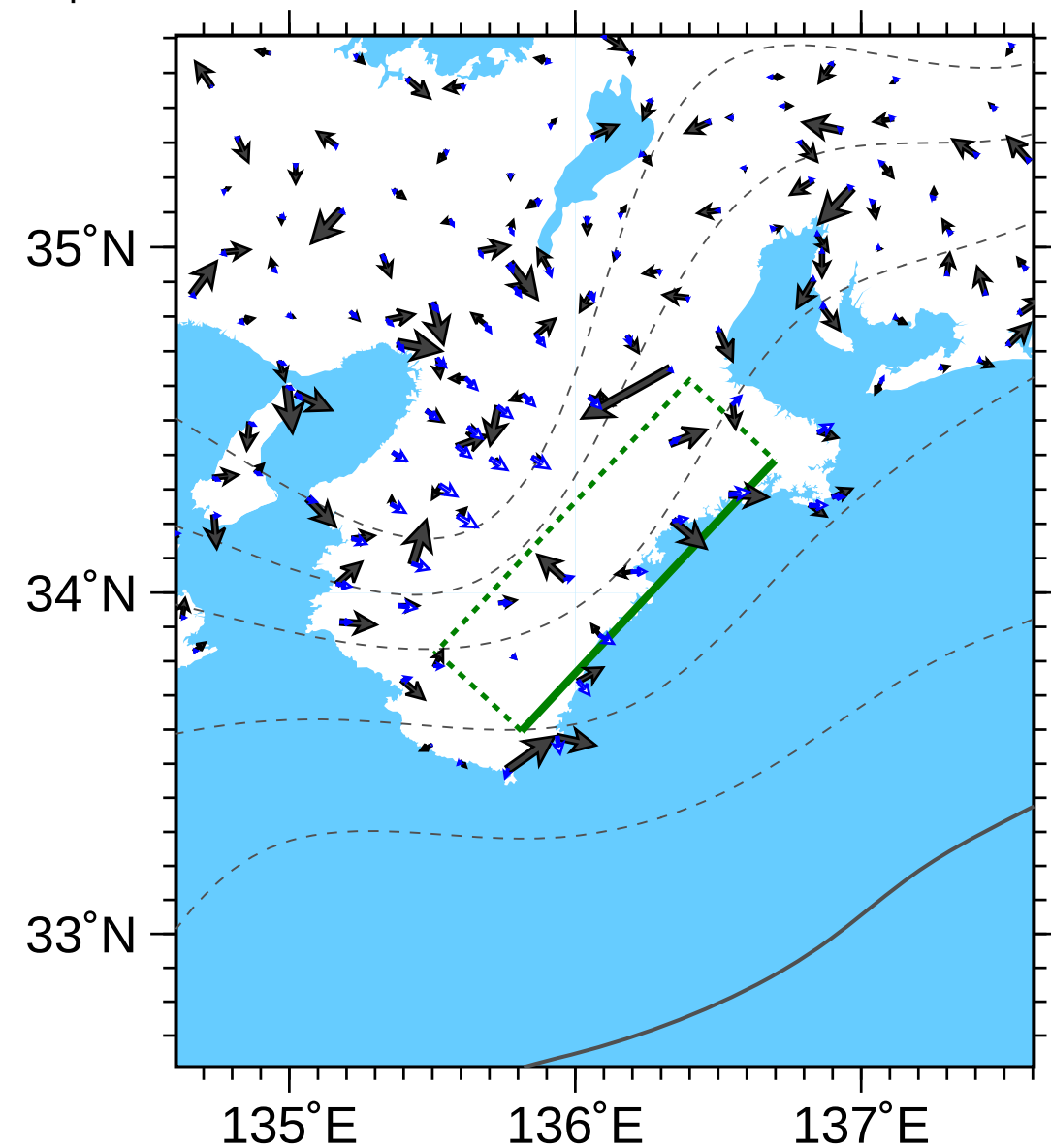


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

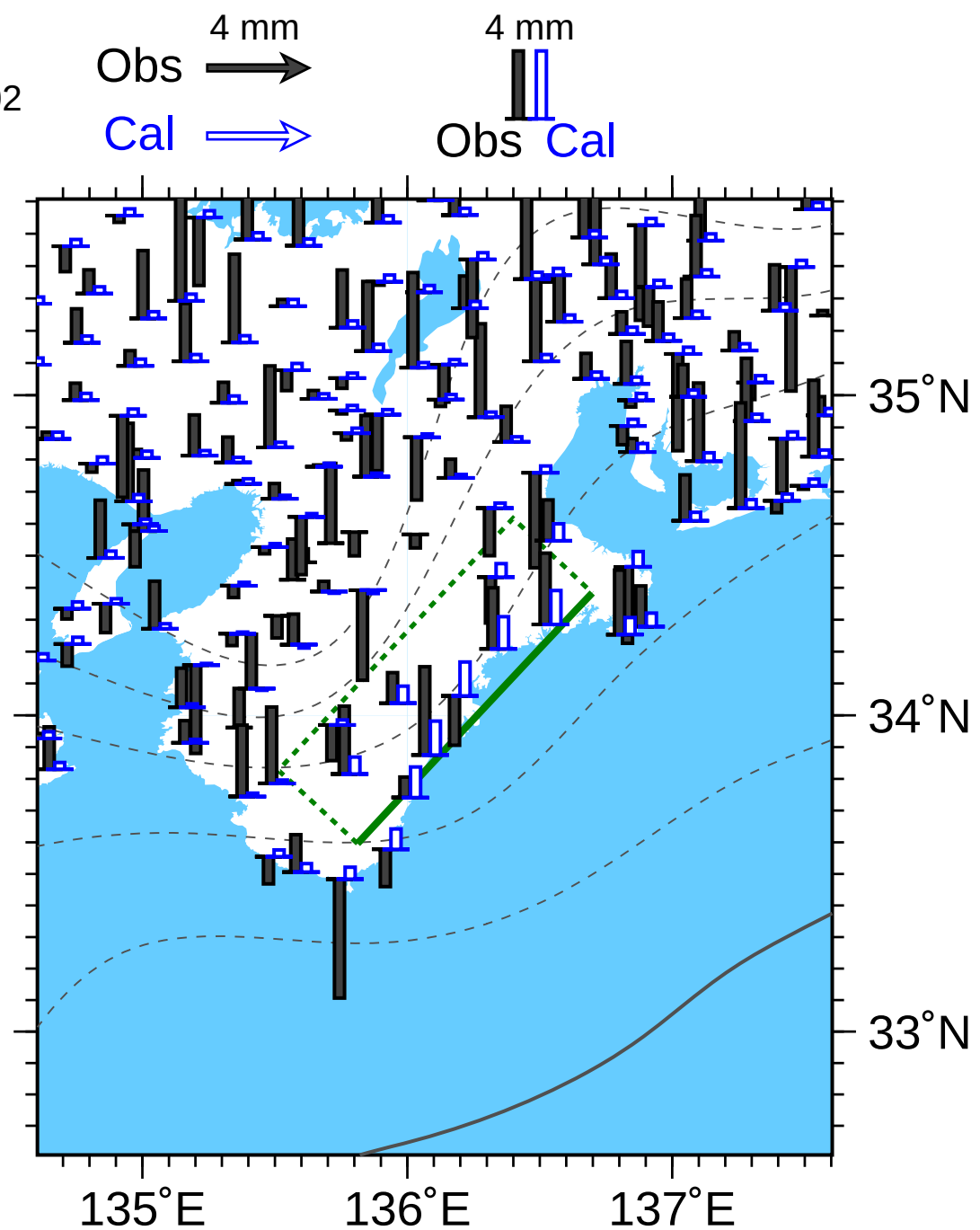


- 10
- 100
- 1000

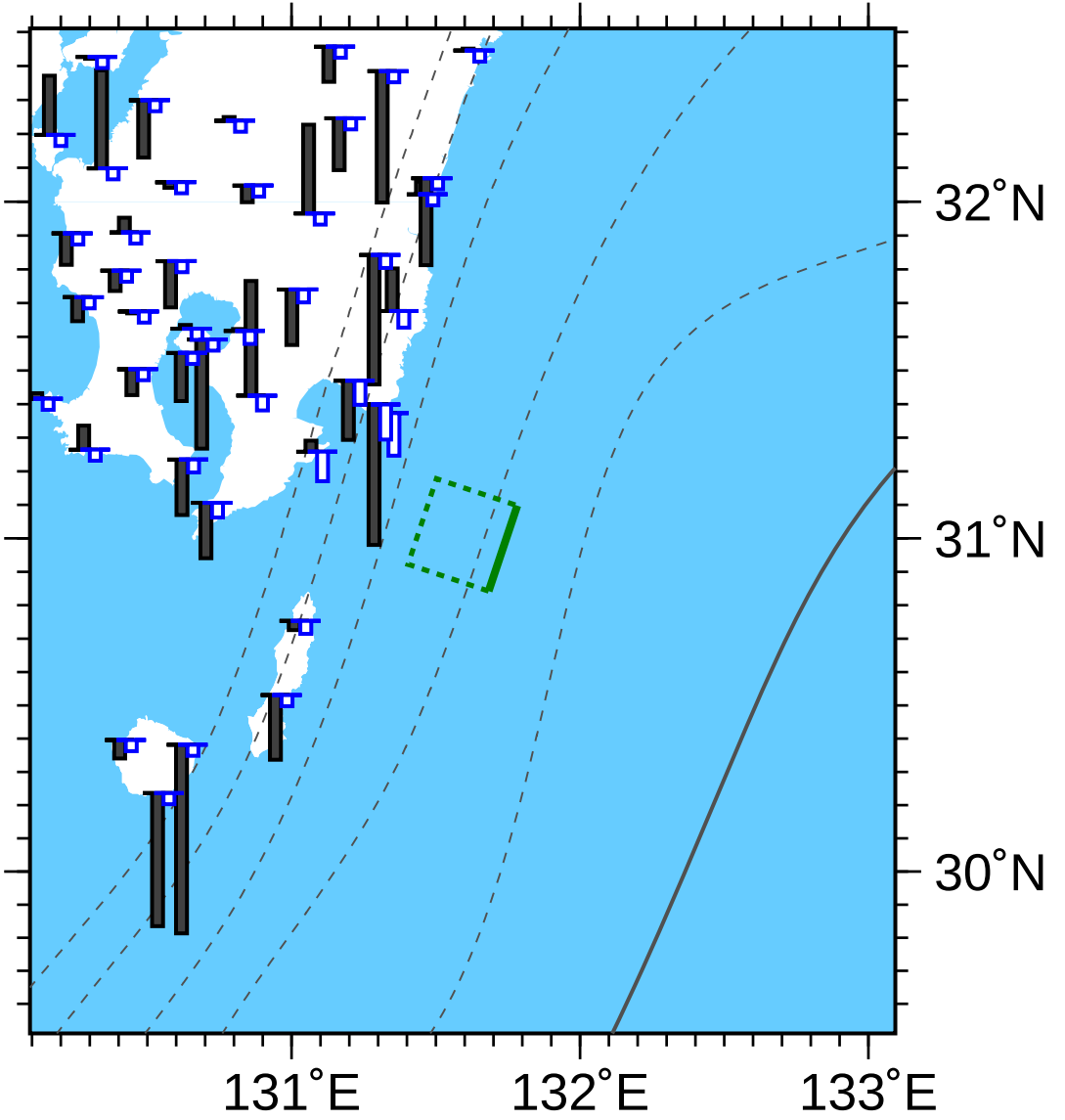
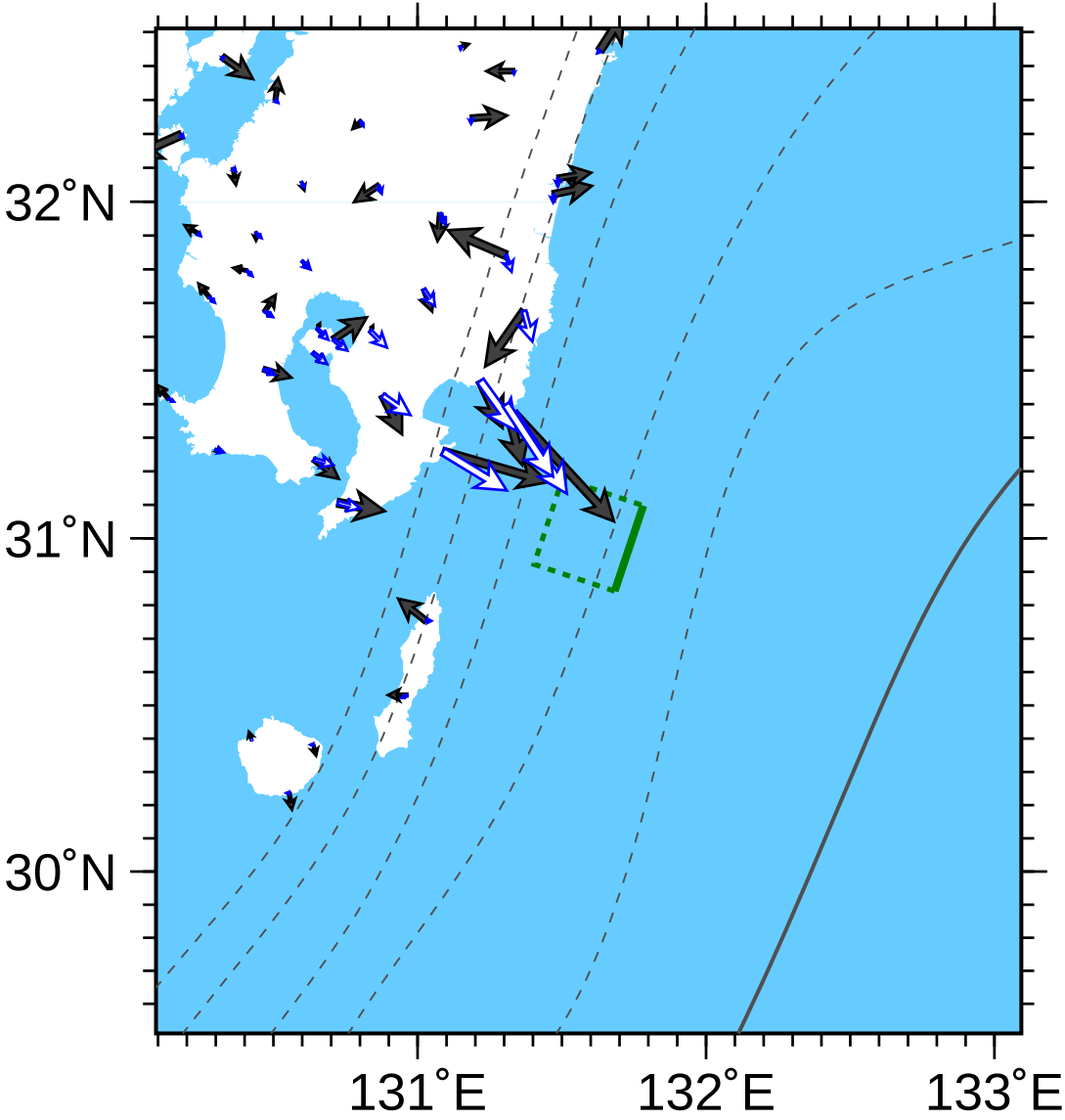
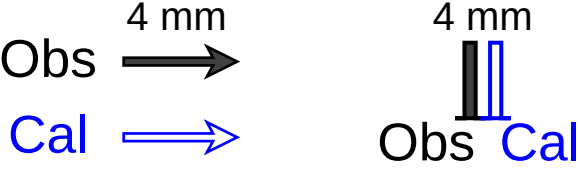
Date: Jun-1-2000 class2 Duration: 24 days
len: 119.745 wid: 39.762 str: 223.029 dip: 18.461 rak: 104.902
slp: 6.2 Mw: 5.98 CC: 0.438 RC2: 1.0462e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jun-23-2000 class2 Duration: 2 days
len: 29.843 wid: 29.065 str: 198.425 dip: 14.432 rak: 57.960
slp: 60.7 Mw: 6.15 CC: 0.668 RC2: 1.1987e+02

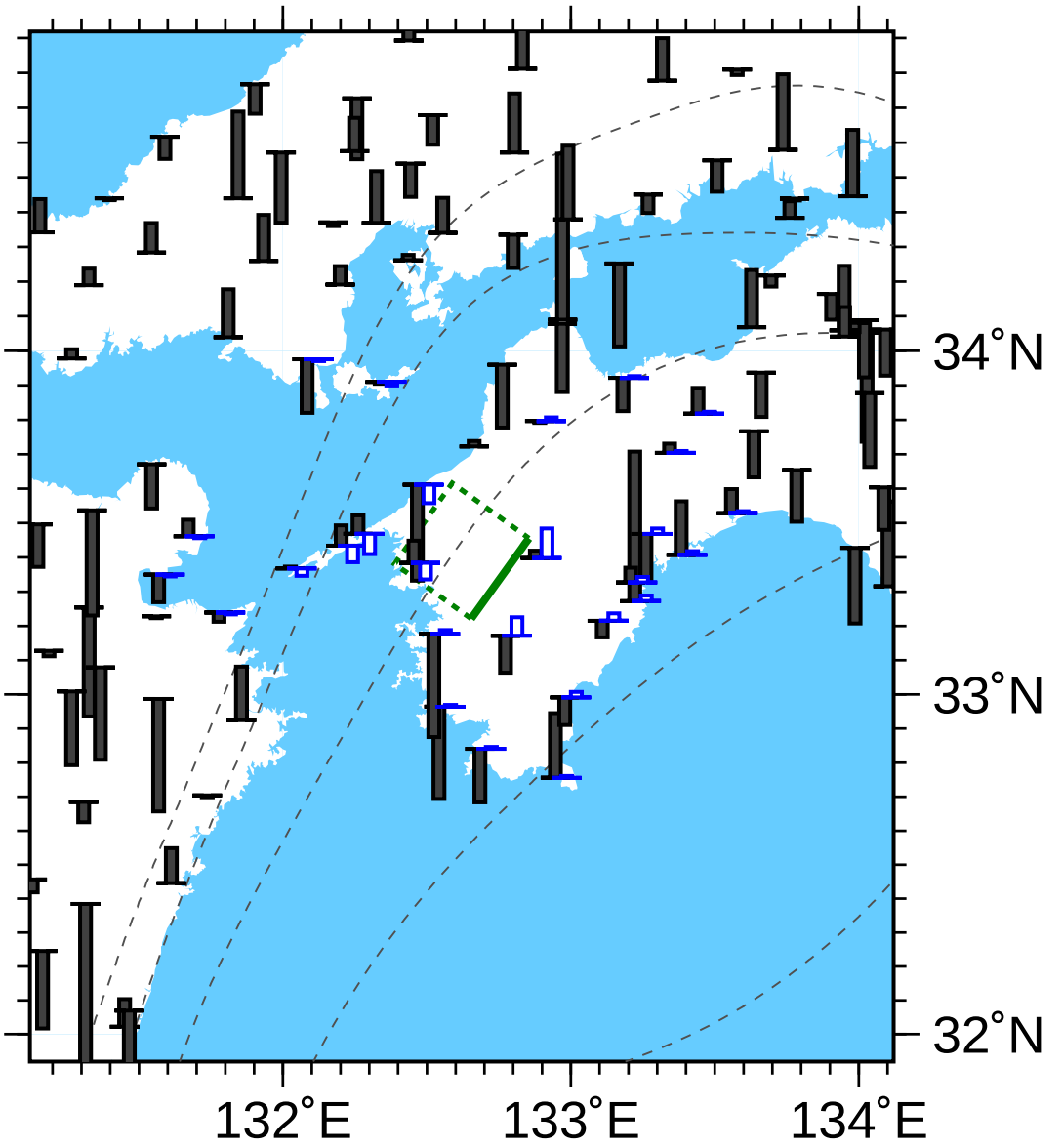
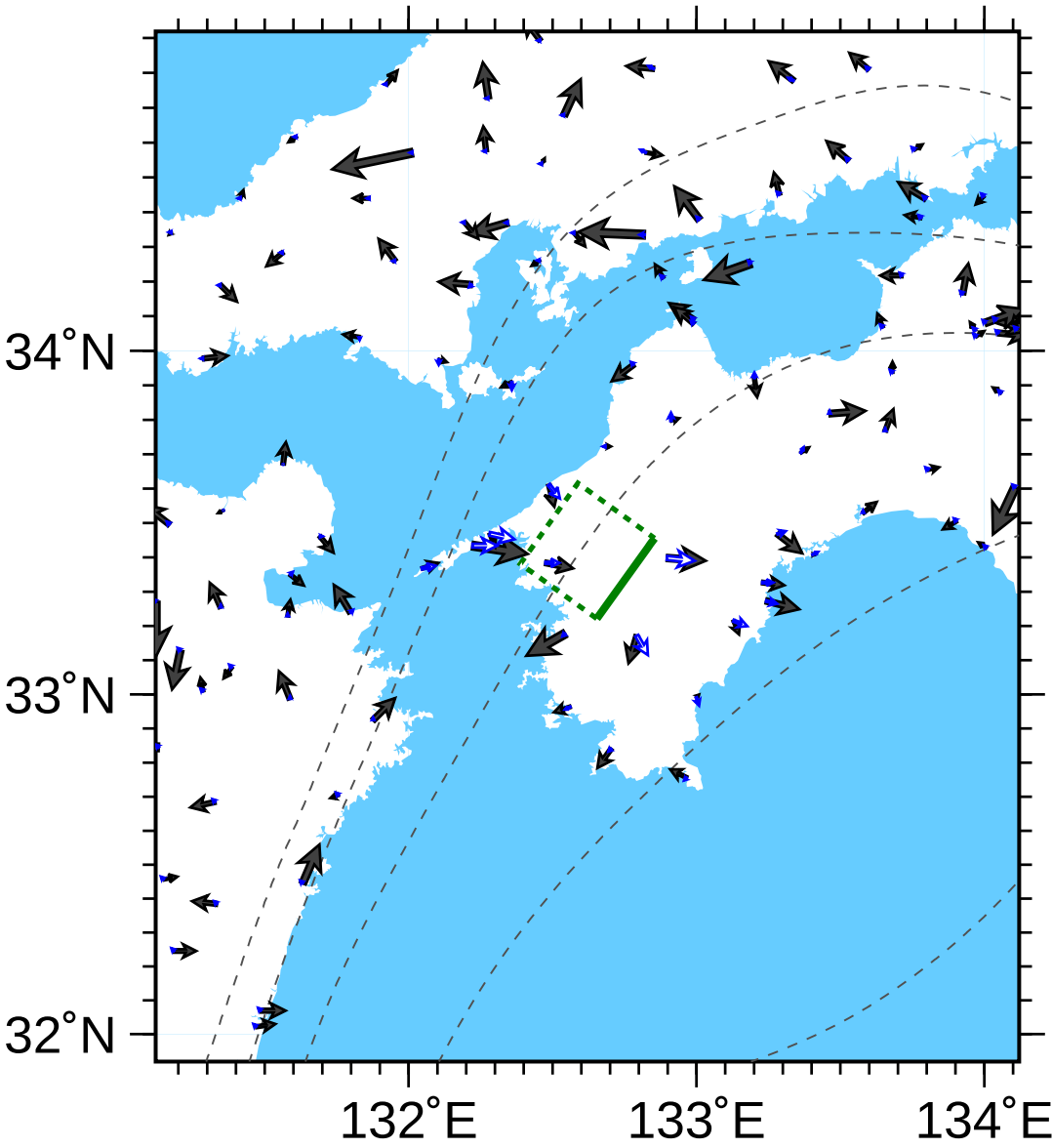


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jun-26-2000 class2 Duration: 5 days
len: 32.018 wid: 30.580 str: 215.584 dip: 4.890 rak: 107.937
slp: 15.8 Mw: 5.80 CC: 0.477 RC2: 6.7701e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

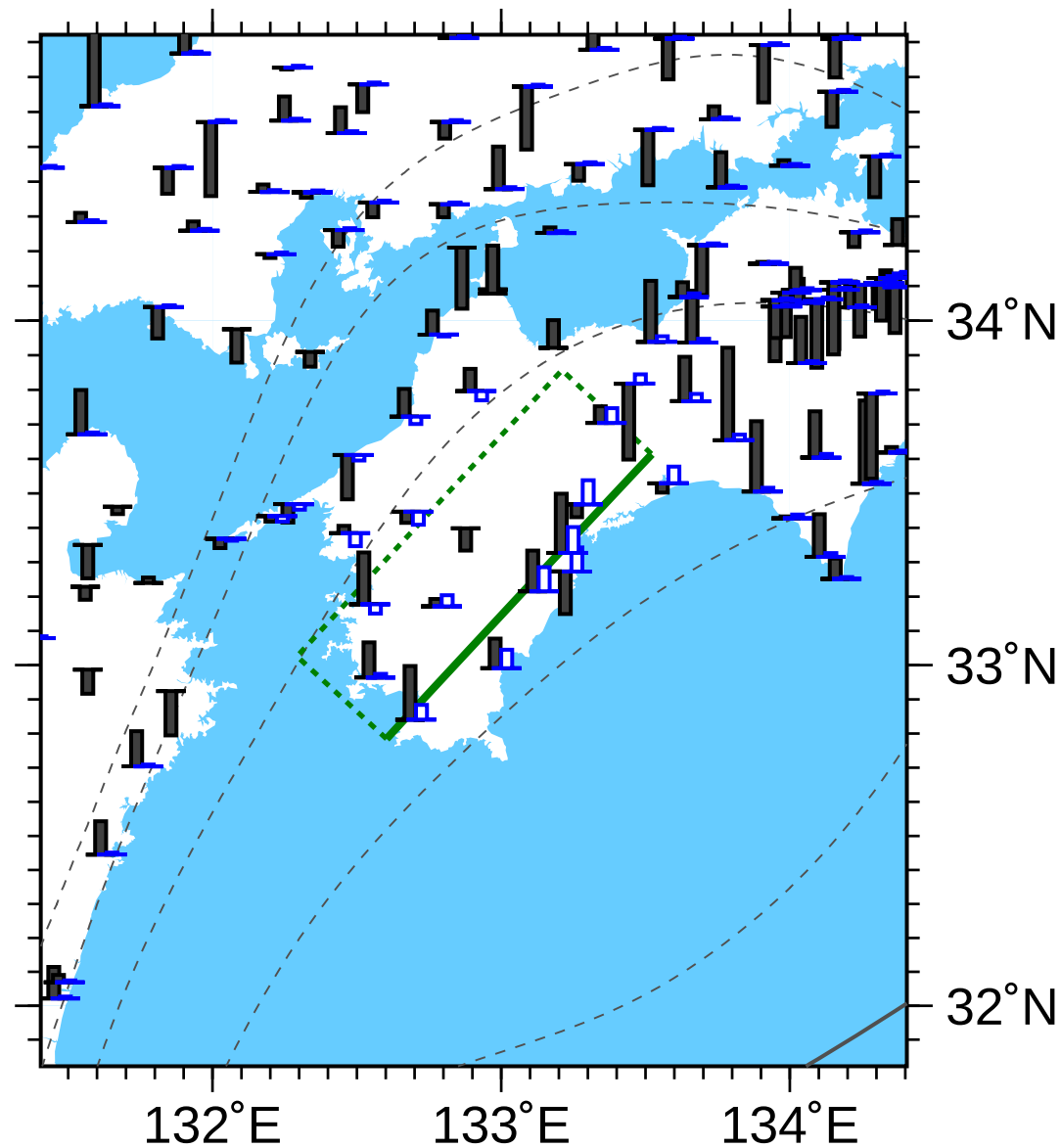
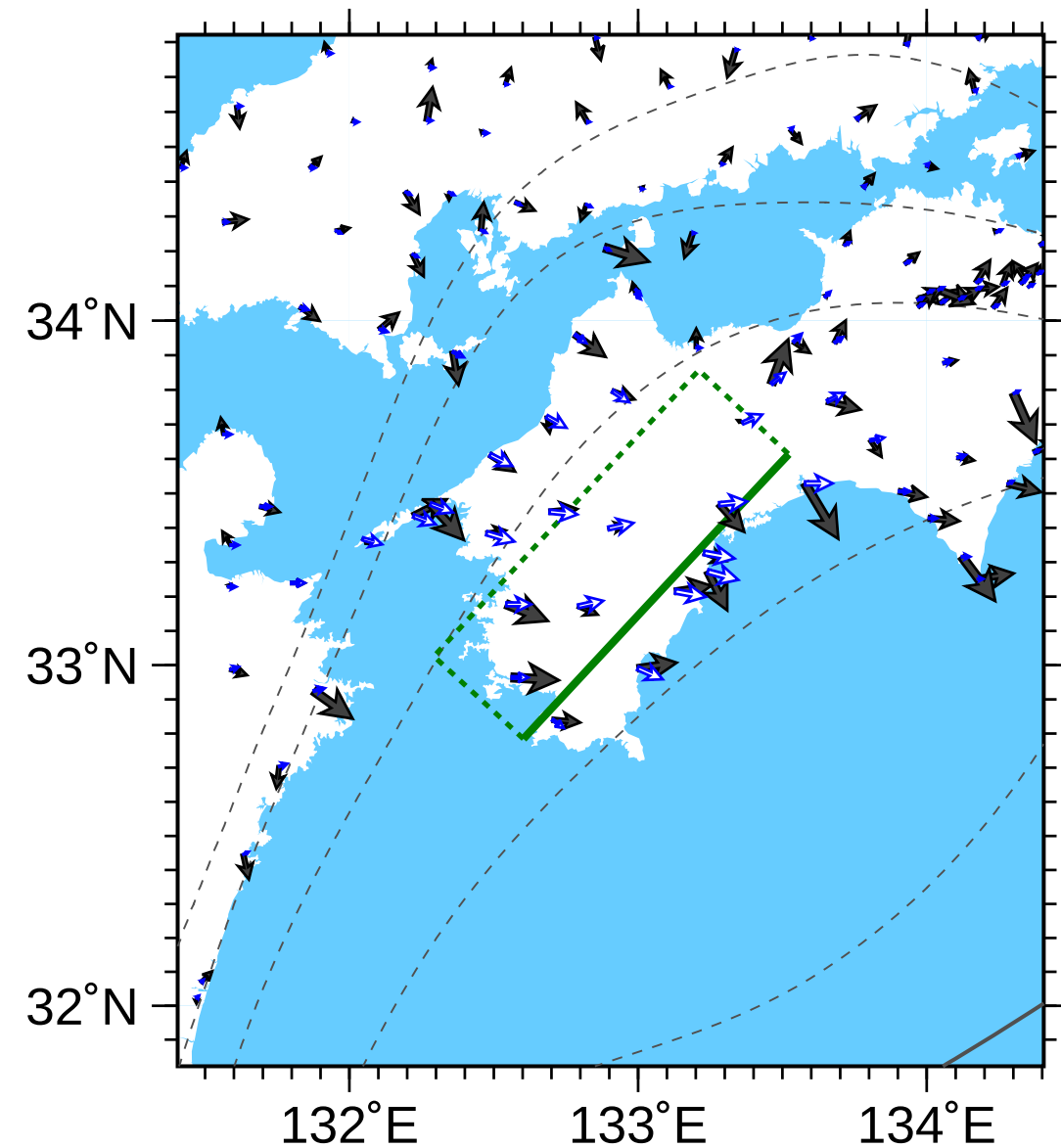
- 10
- 100
- 1000

Date: Oct-7-2000 class2 Duration: 2 days

len: 125.665 wid: 39.799 str: 222.872 dip: 7.434 rak: 116.076

slp: 5.3 Mw: 5.95 CC: 0.656 RC2: 1.0295e+02

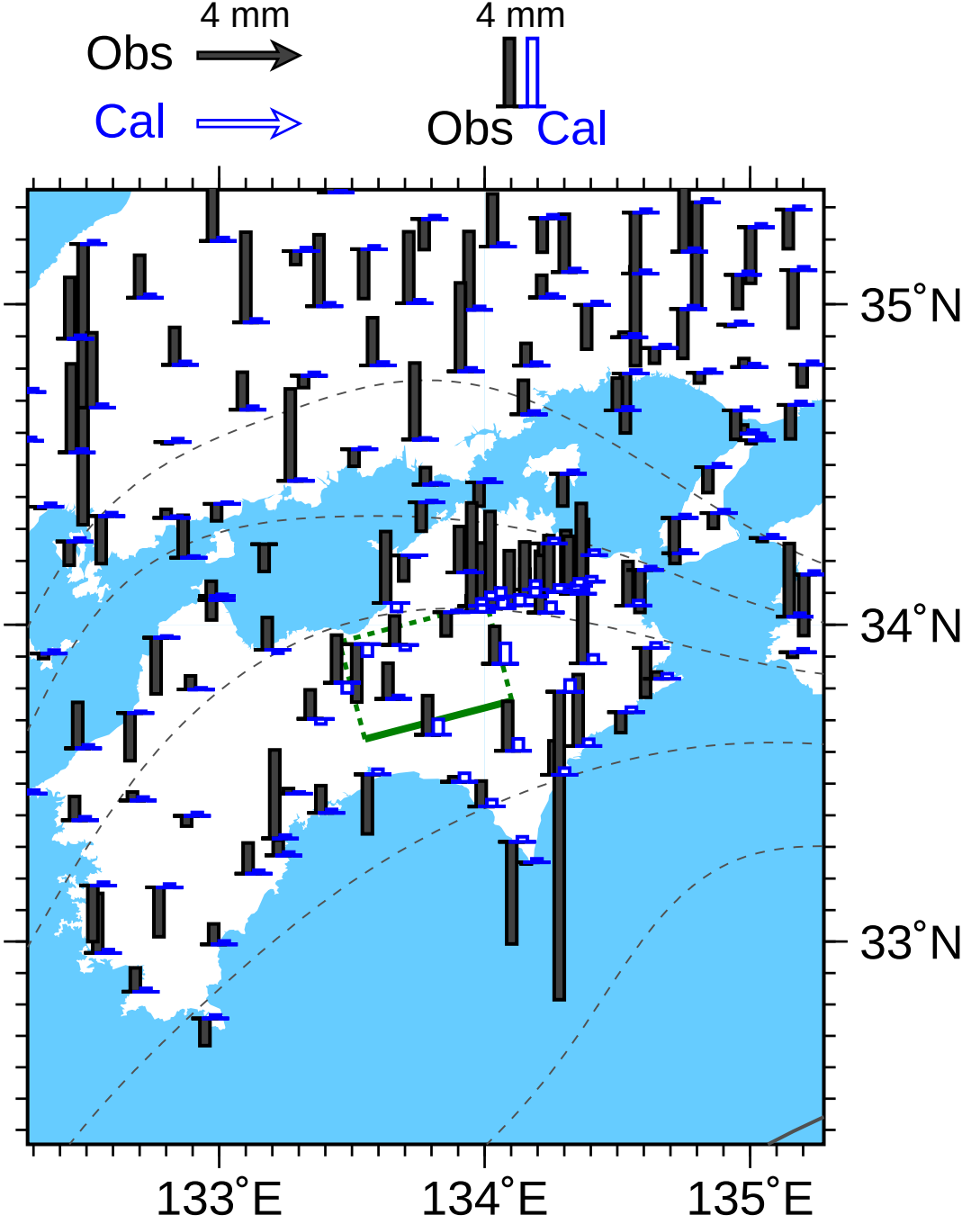
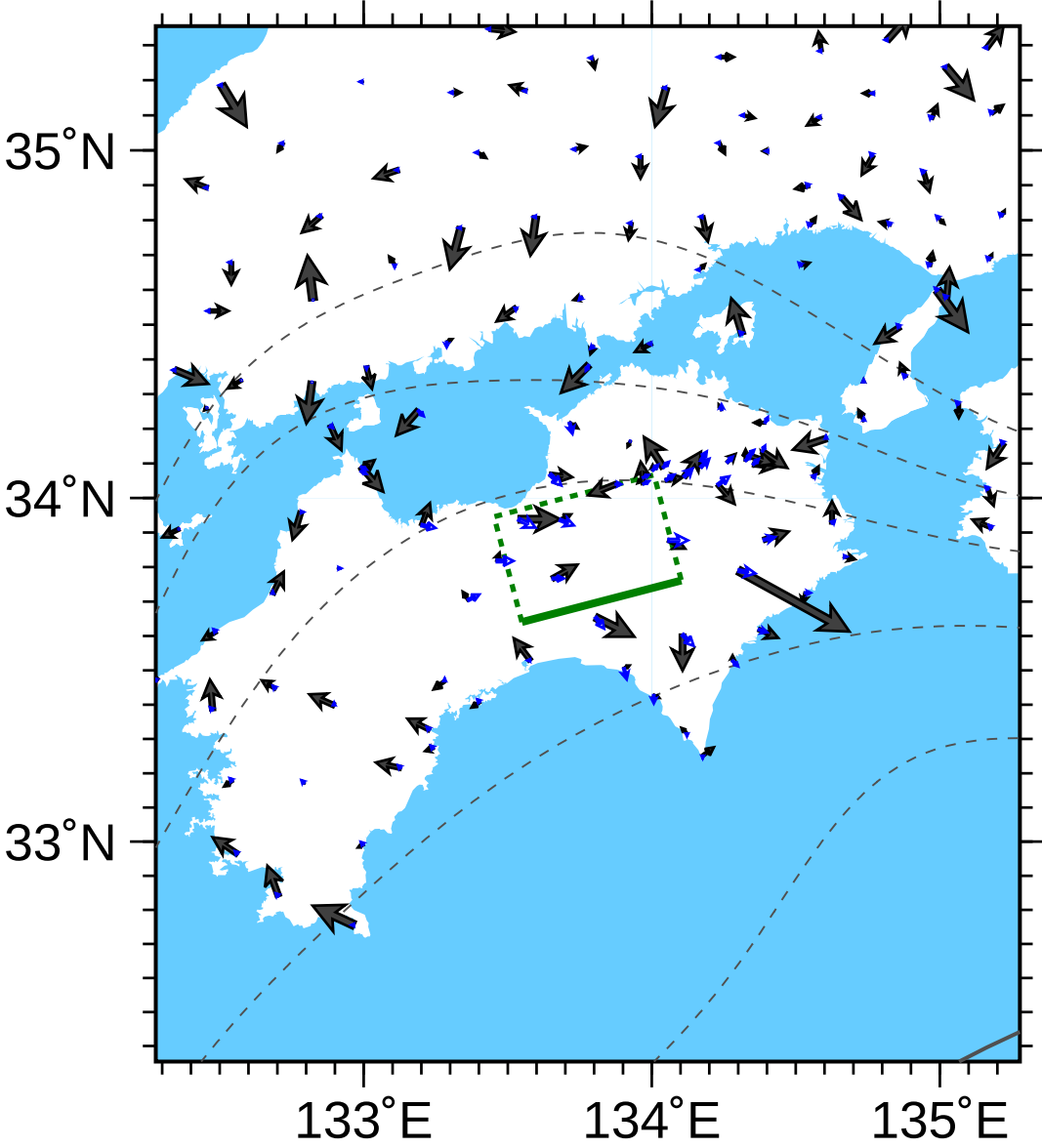
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Dec-11-2000 class2 Duration: 4 days
len: 53.041 wid: 35.277 str: 255.386 dip: 6.474 rak: 141.999
slp: 6.6 Mw: 5.73 CC: 0.499 RC2: 9.6465e+01

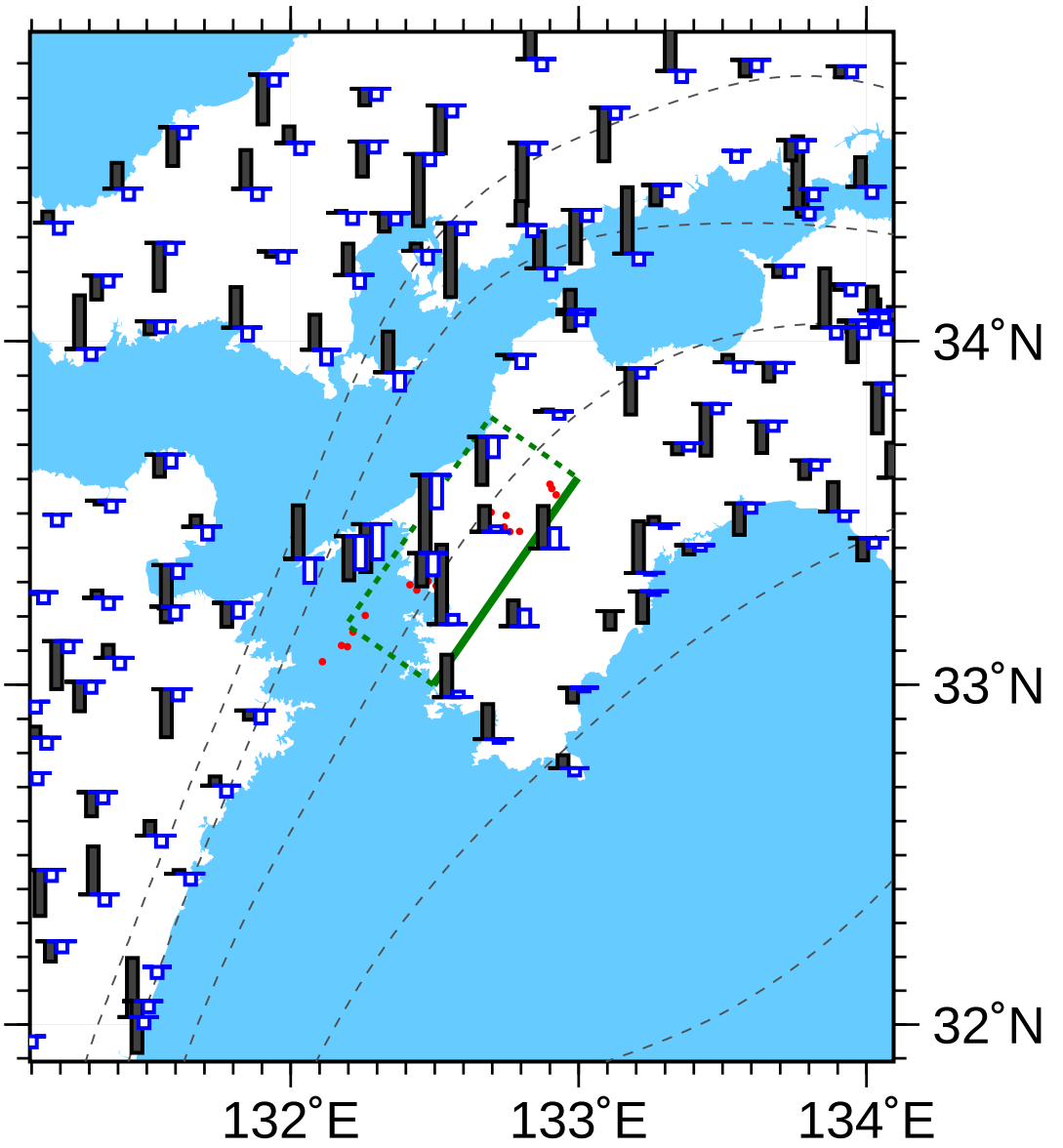
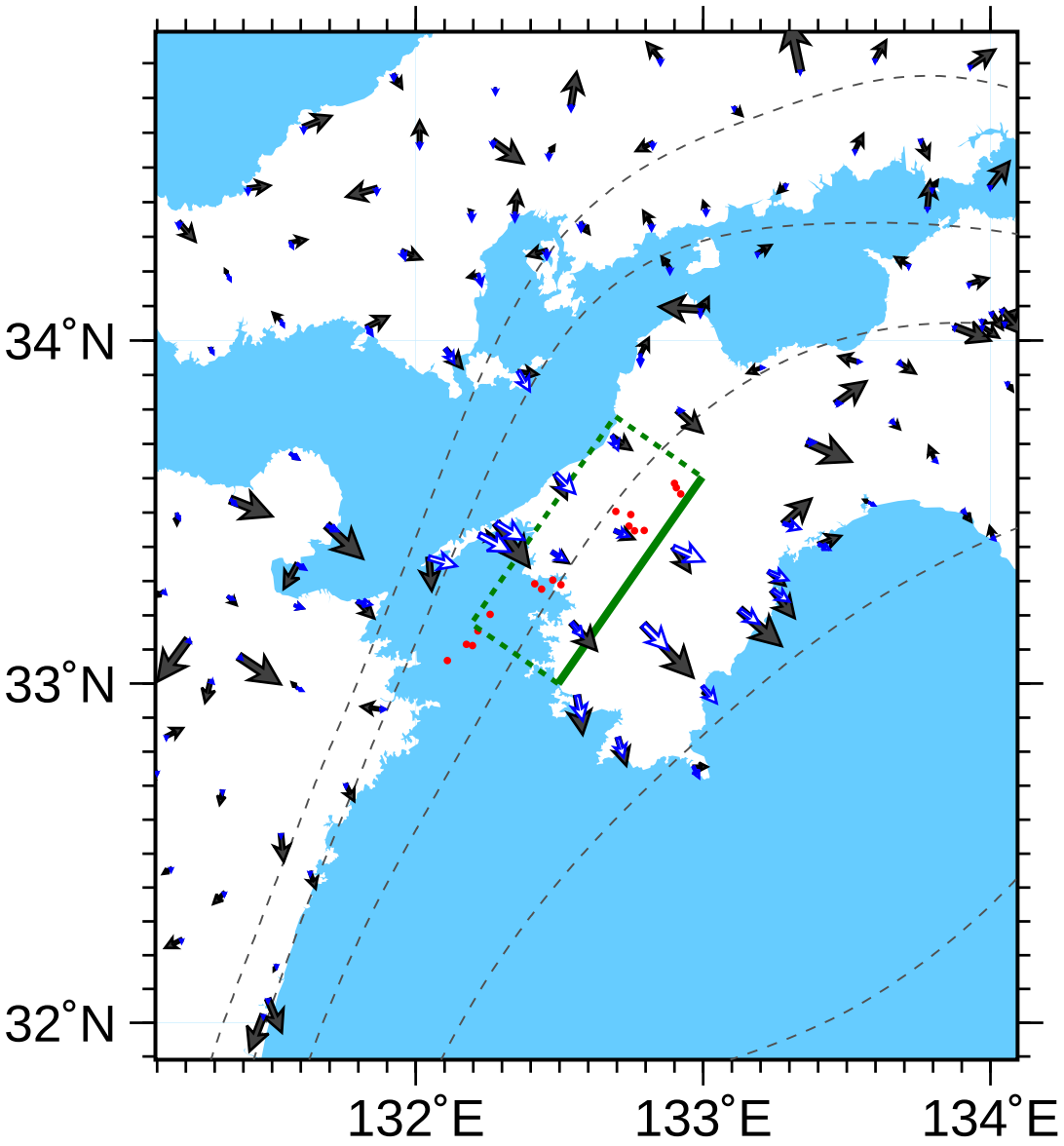


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jan-11-2001 class2 Duration: 6 days
len: 81.620 wid: 34.445 str: 214.821 dip: 4.951 rak: 97.179
slp: 9 Mw: 5.94 CC: 0.666 RC2: 1.3619e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

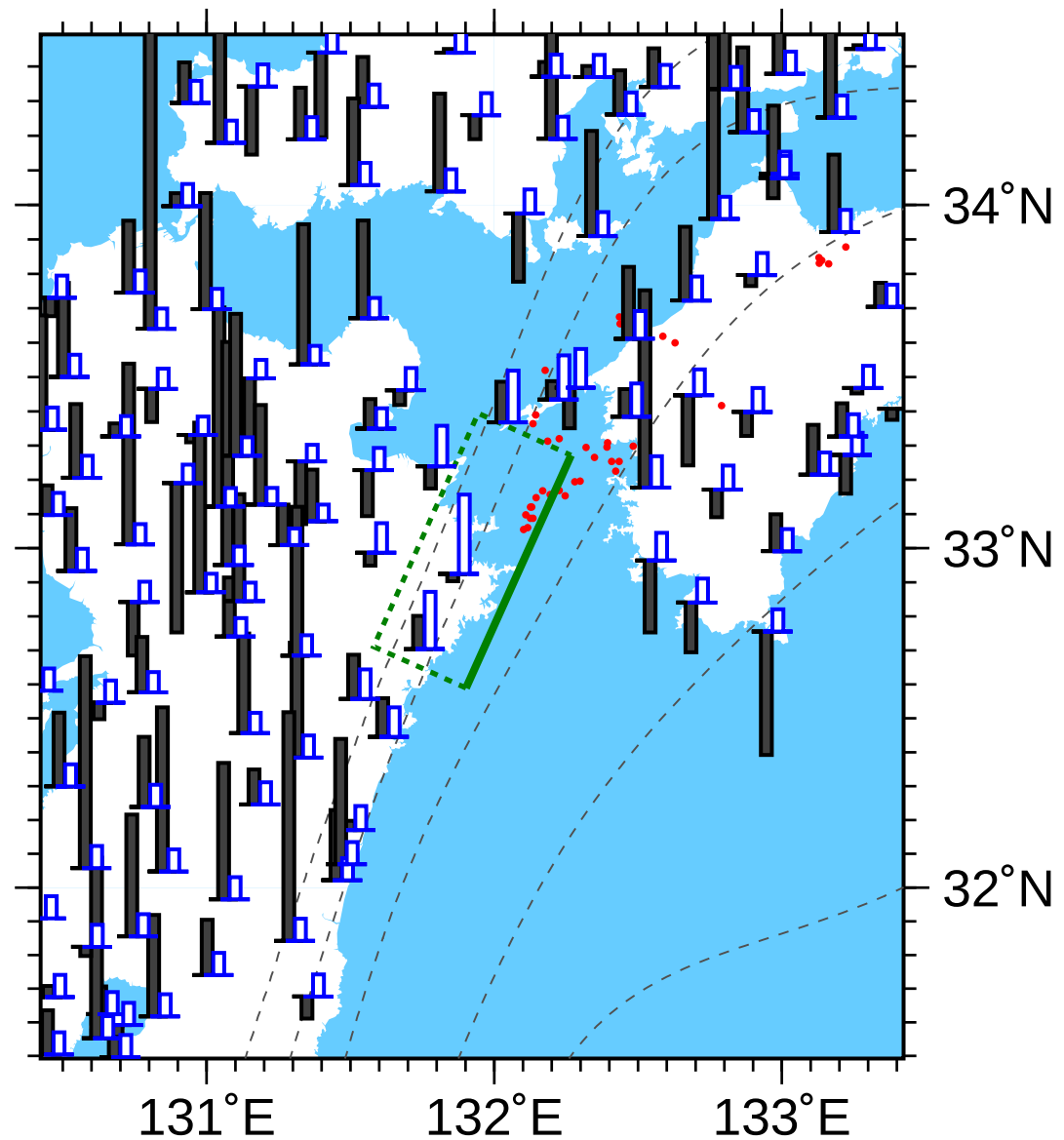
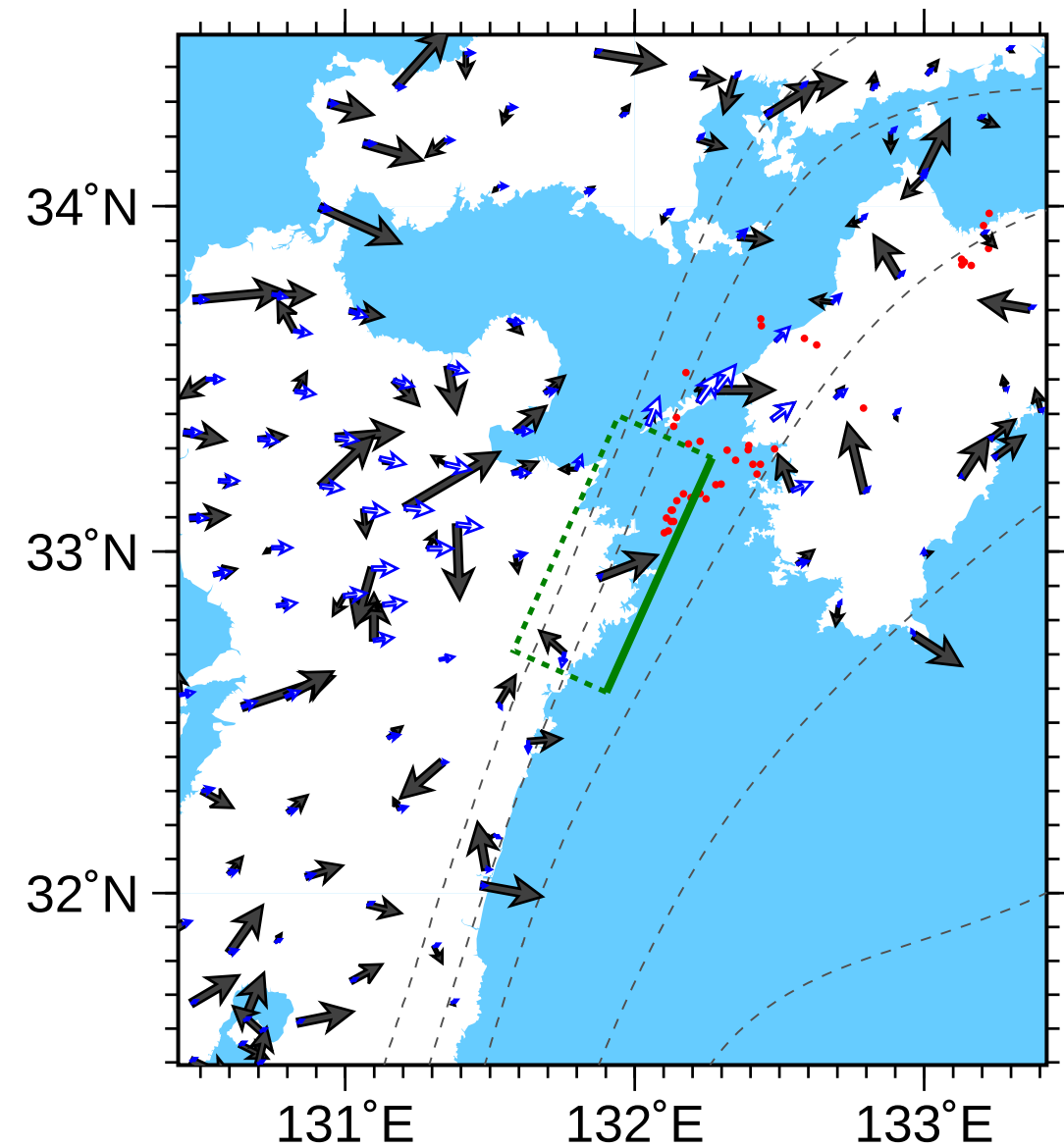


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Feb-10-2001 class2 Duration: 34 days
len: 83.027 wid: 40.231 str: 204.191 dip: 34.830 rak: 97.261
slp: 14 Mw: 6.12 CC: 0.418 RC2: 6.1969e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



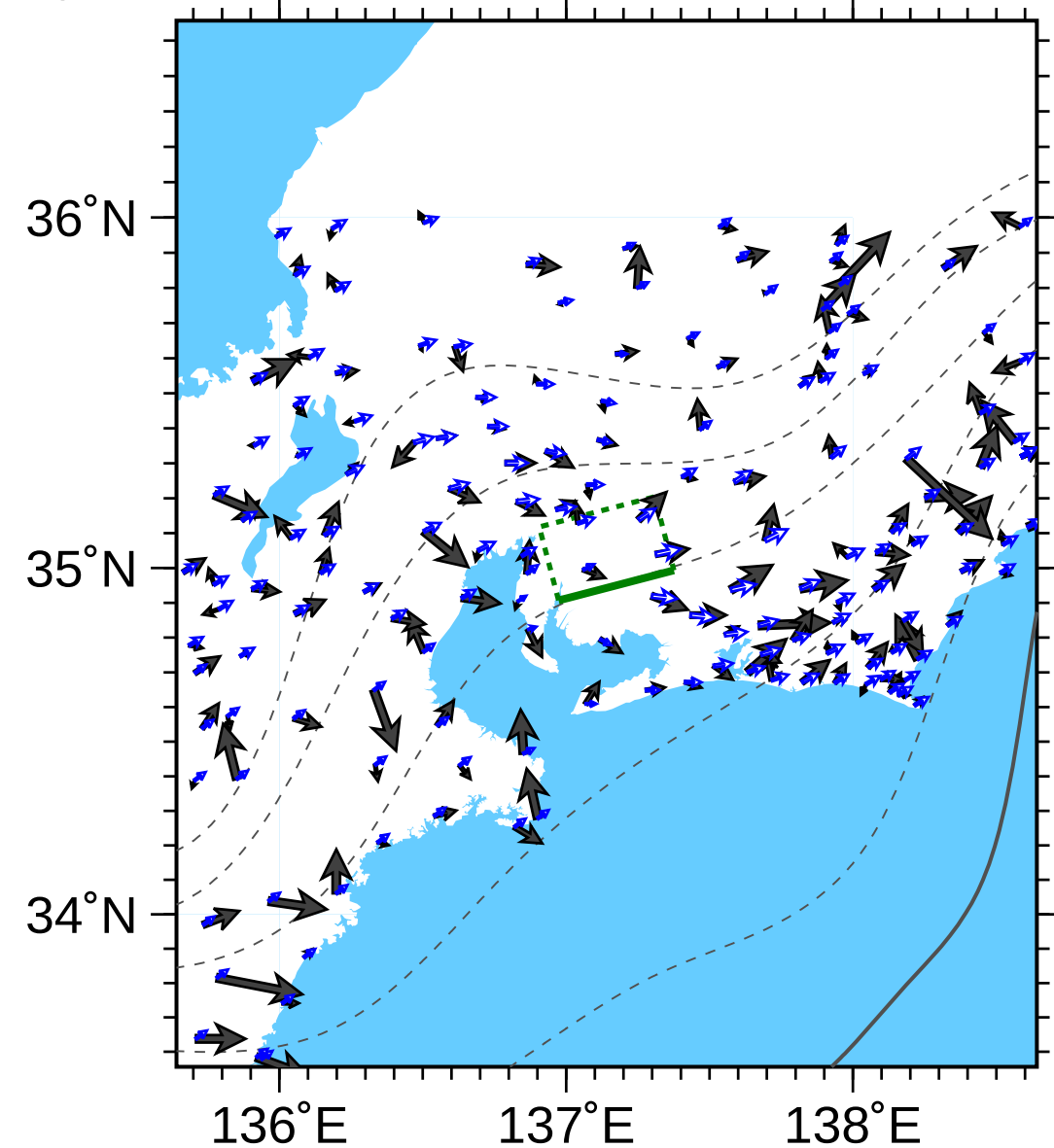
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Apr-4-2001 class2 Duration: 7 days

len: 37.927 wid: 24.959 str: 255.407 dip: 14.421 rak: 110.000

slp: 10.4 Mw: 5.66 CC: 0.564 RC2: 8.0586e+01



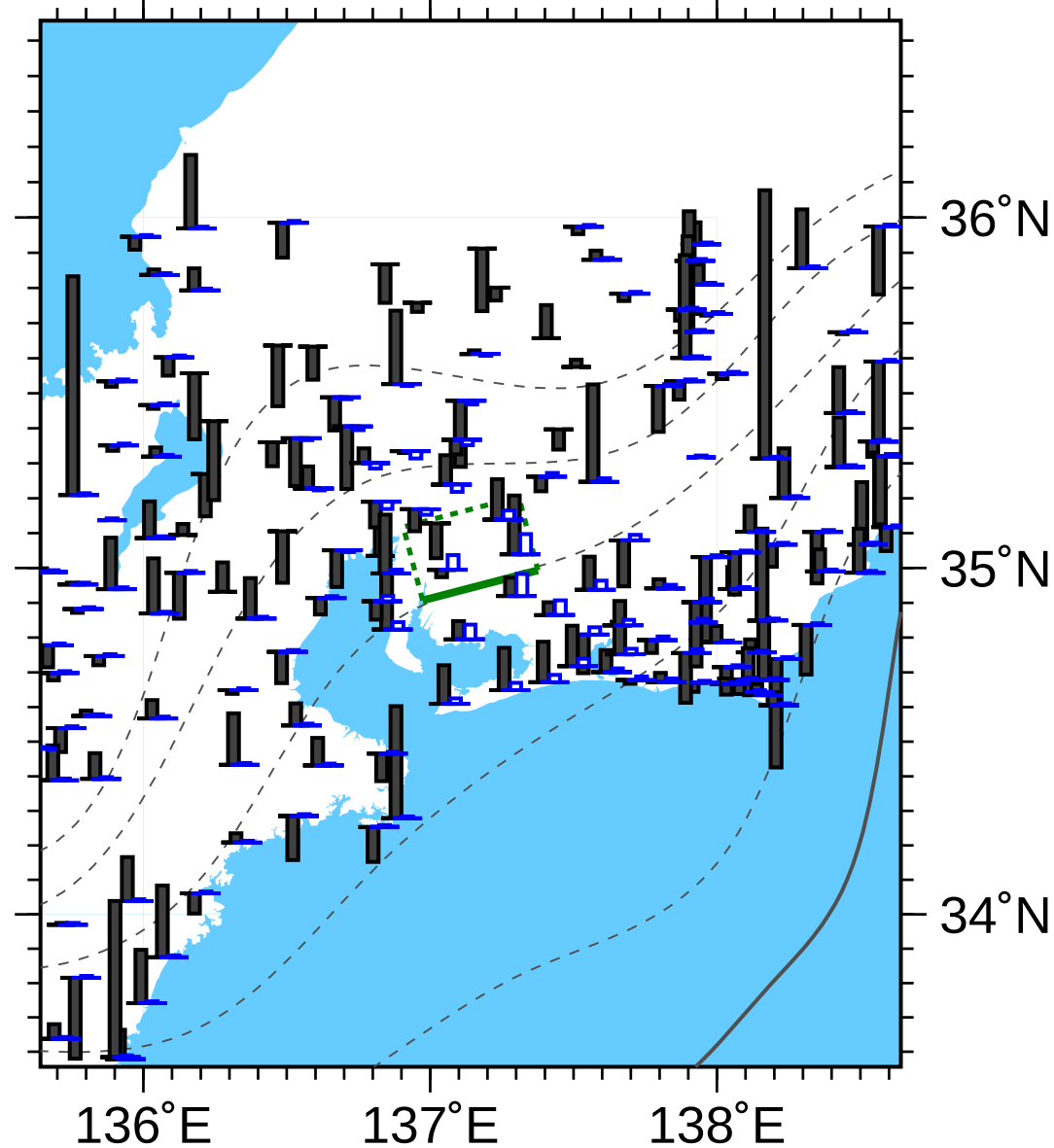
● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

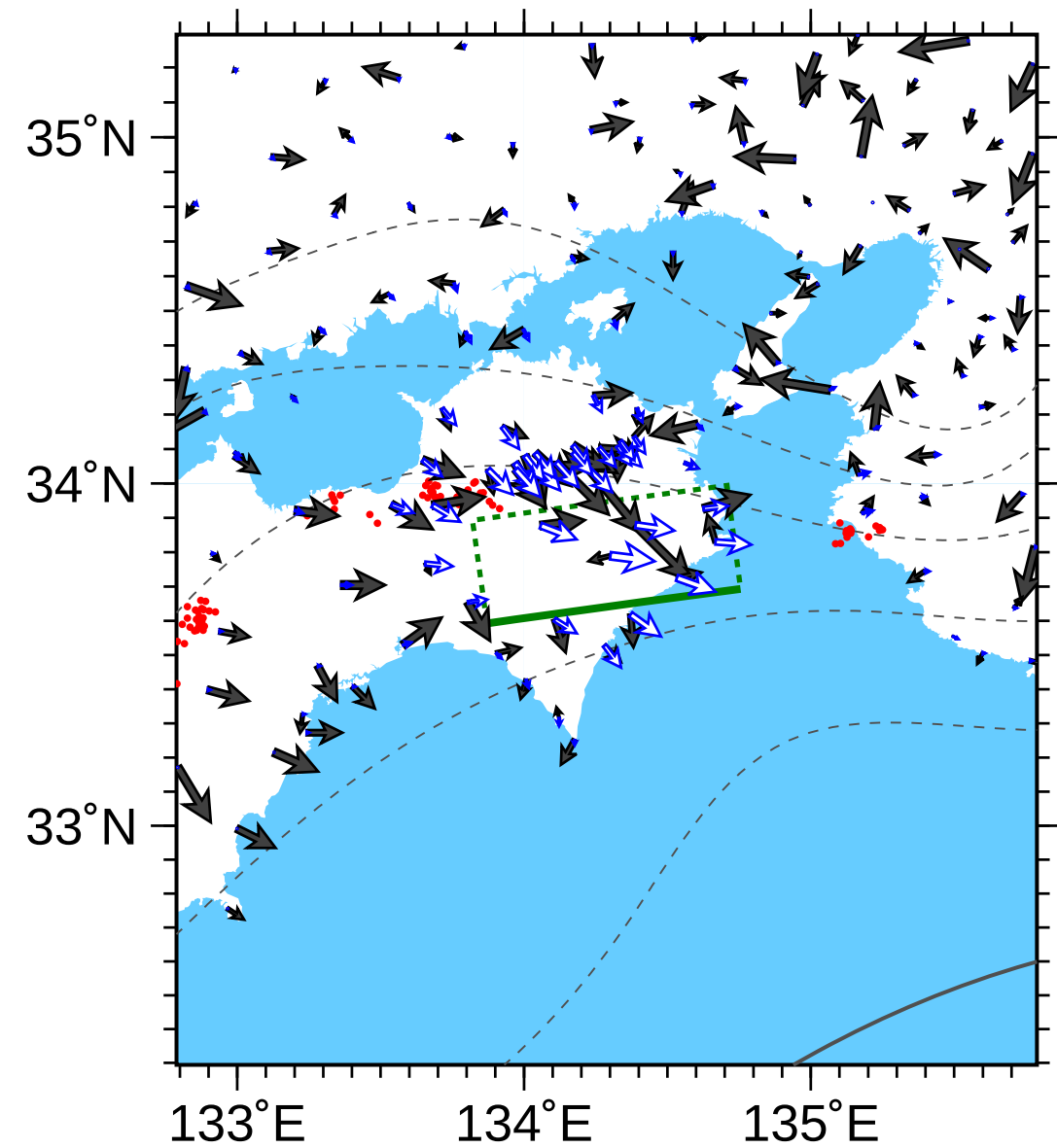
4 mm
Obs →
Cal ⇨

4 mm
Obs Cal

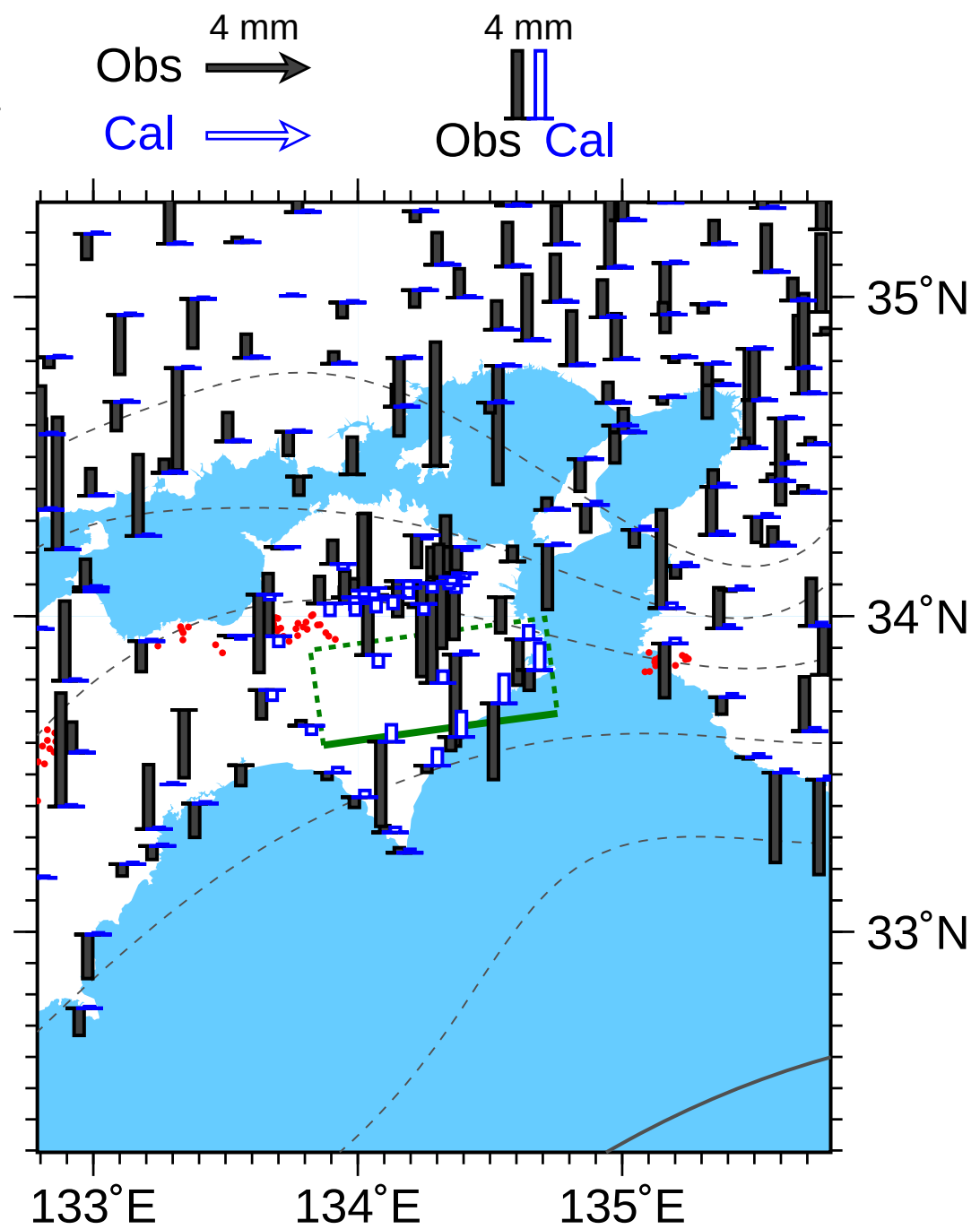


○ ○ ○
10 100 1000

Date: Aug-10-2001 class2 Duration: 18 days
len: 82.827 wid: 34.116 str: 262.241 dip: 9.295 rak: 143.281
slp: 8.5 Mw: 5.92 CC: 0.455 RC2: 1.3027e+02



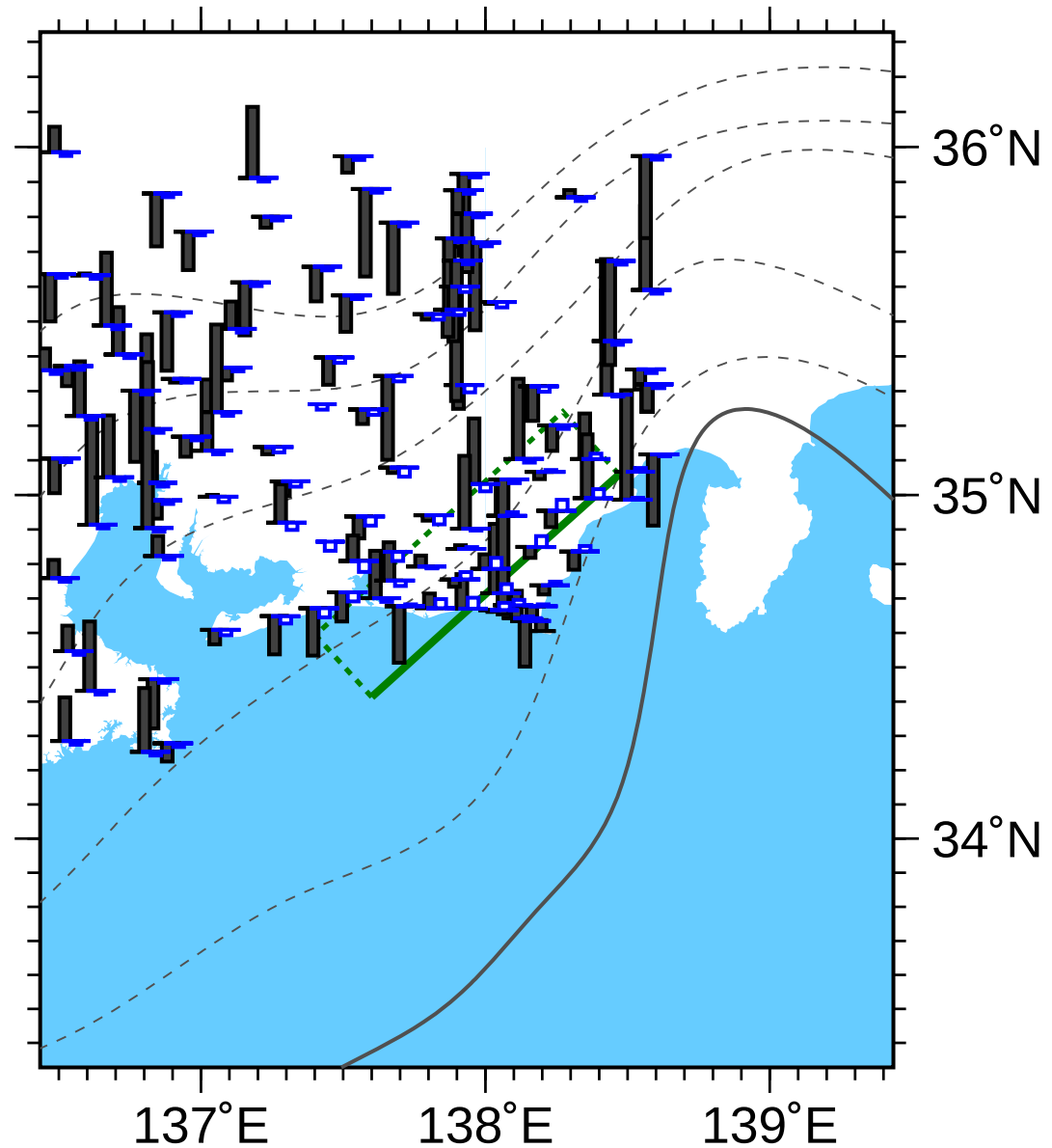
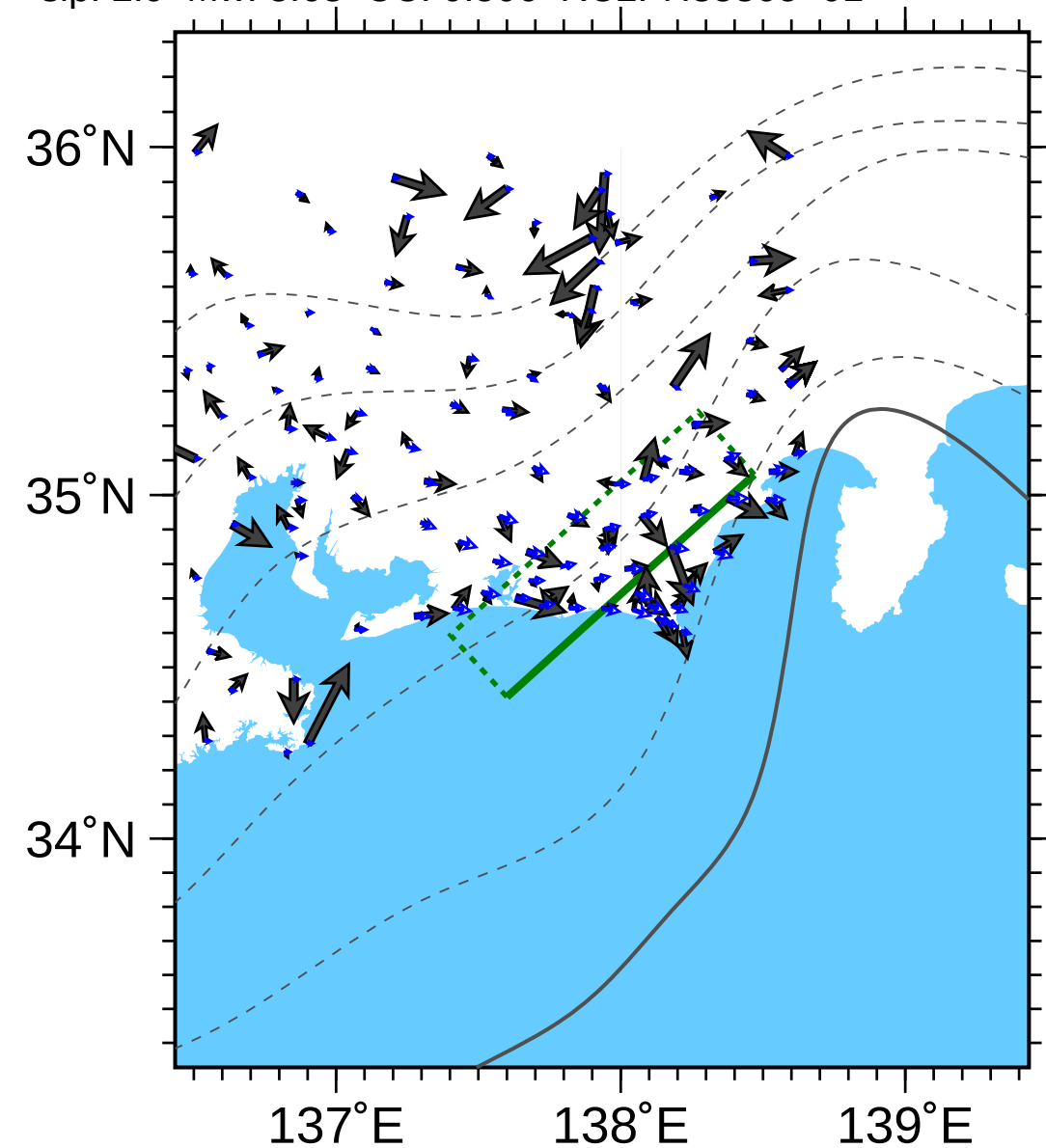
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Dec-12-2001 class2 Duration: 1 days
len: 107.093 wid: 28.317 str: 227.964 dip: 17.294 rak: 111.746
slp: 2.9 Mw: 5.63 CC: 0.506 RC2: 7.3536e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



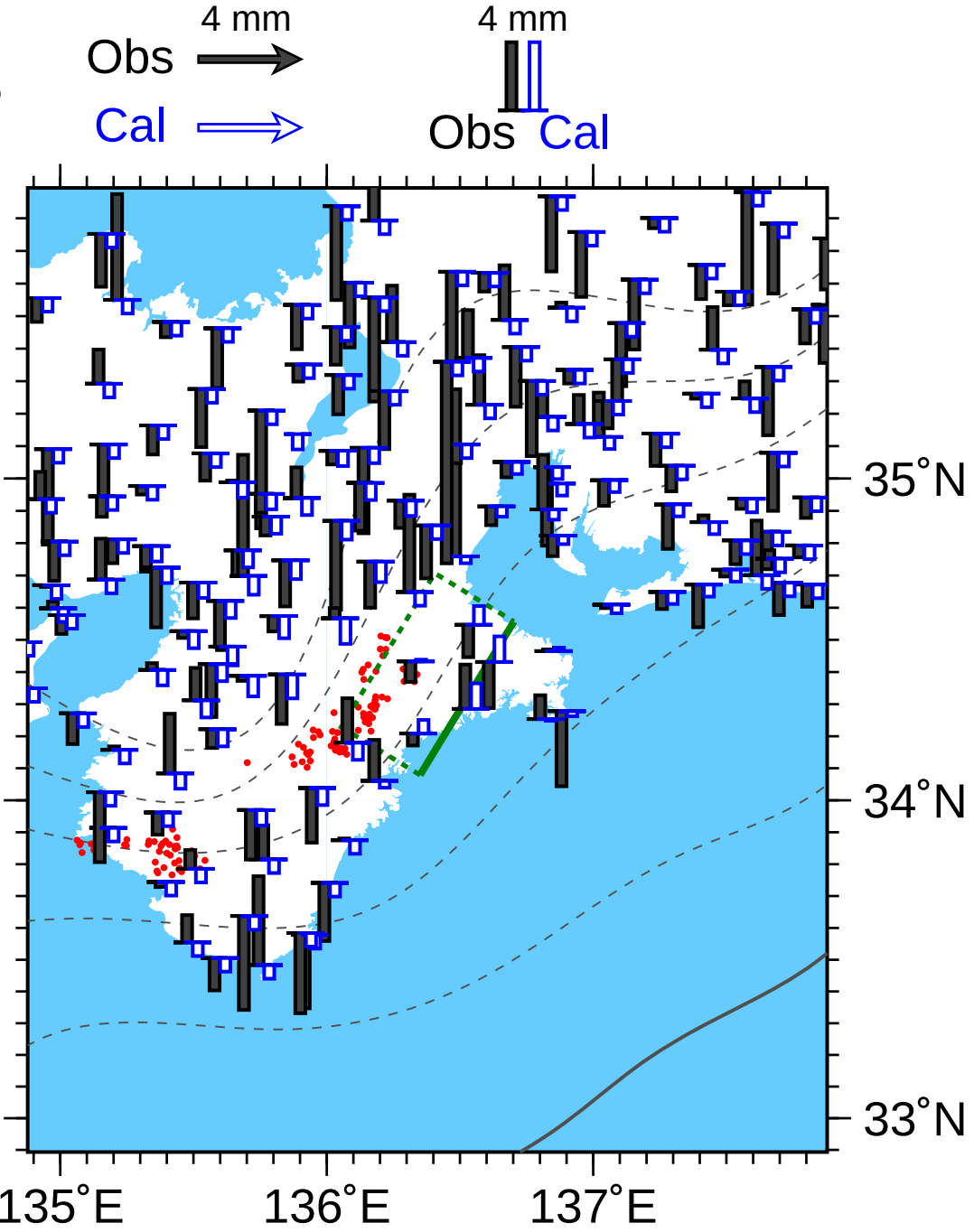
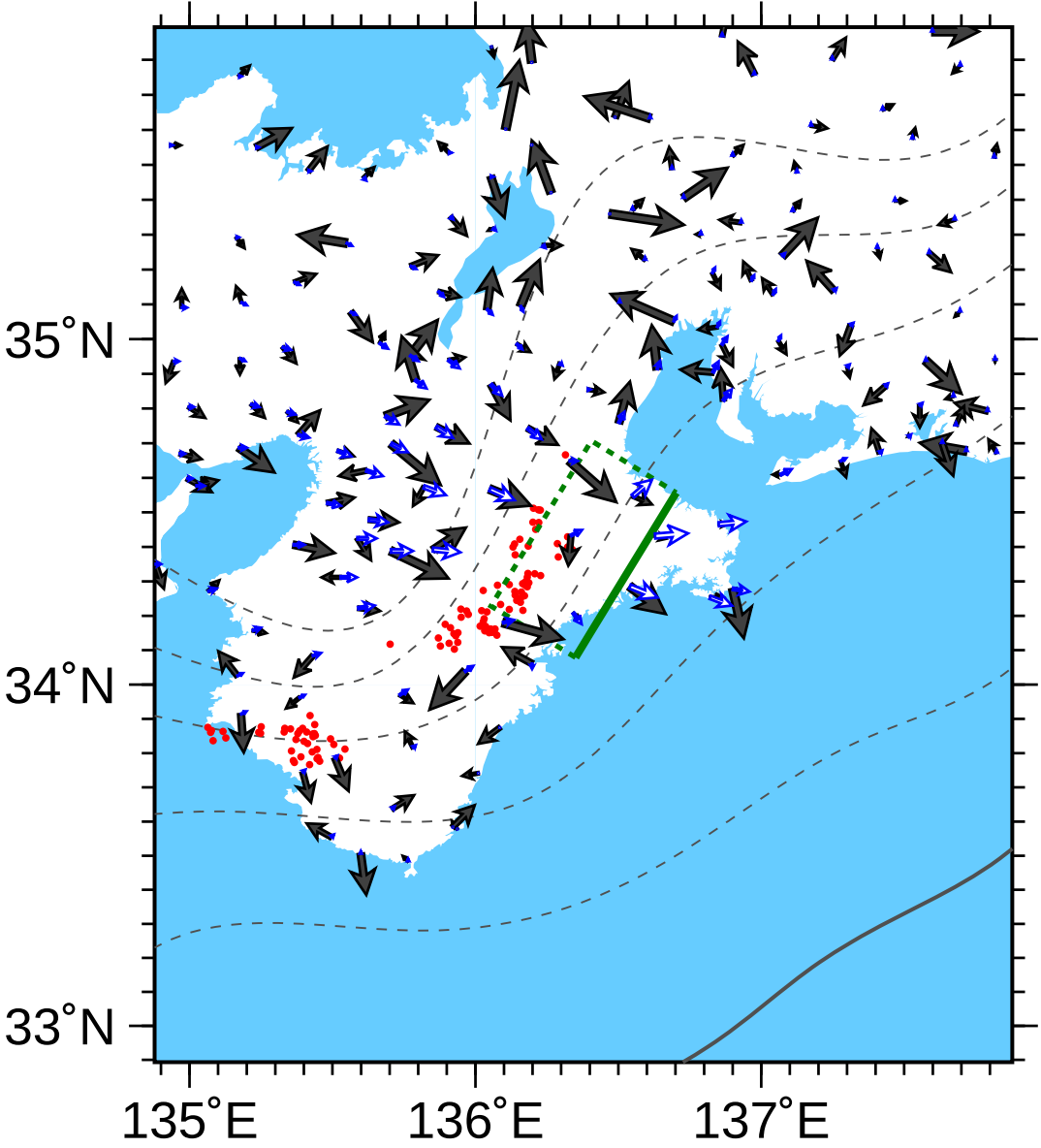
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jan-1-2002 class2 Duration: 27 days

len: 62.110 wid: 33.699 str: 211.384 dip: 18.767 rak: 105.855

slp: 11.1 Mw: 5.91 CC: 0.528 RC2: 9.1346e+01



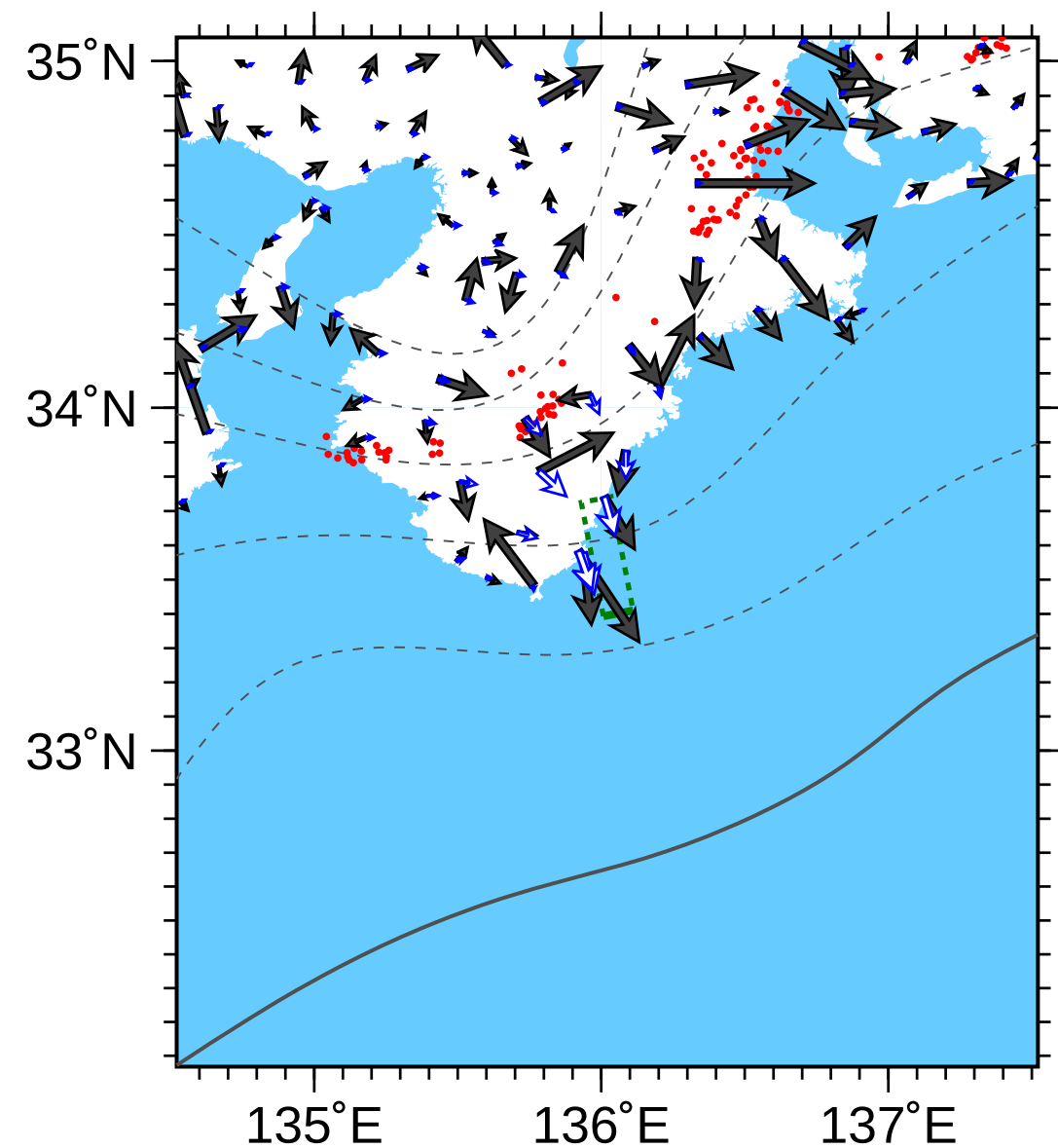
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

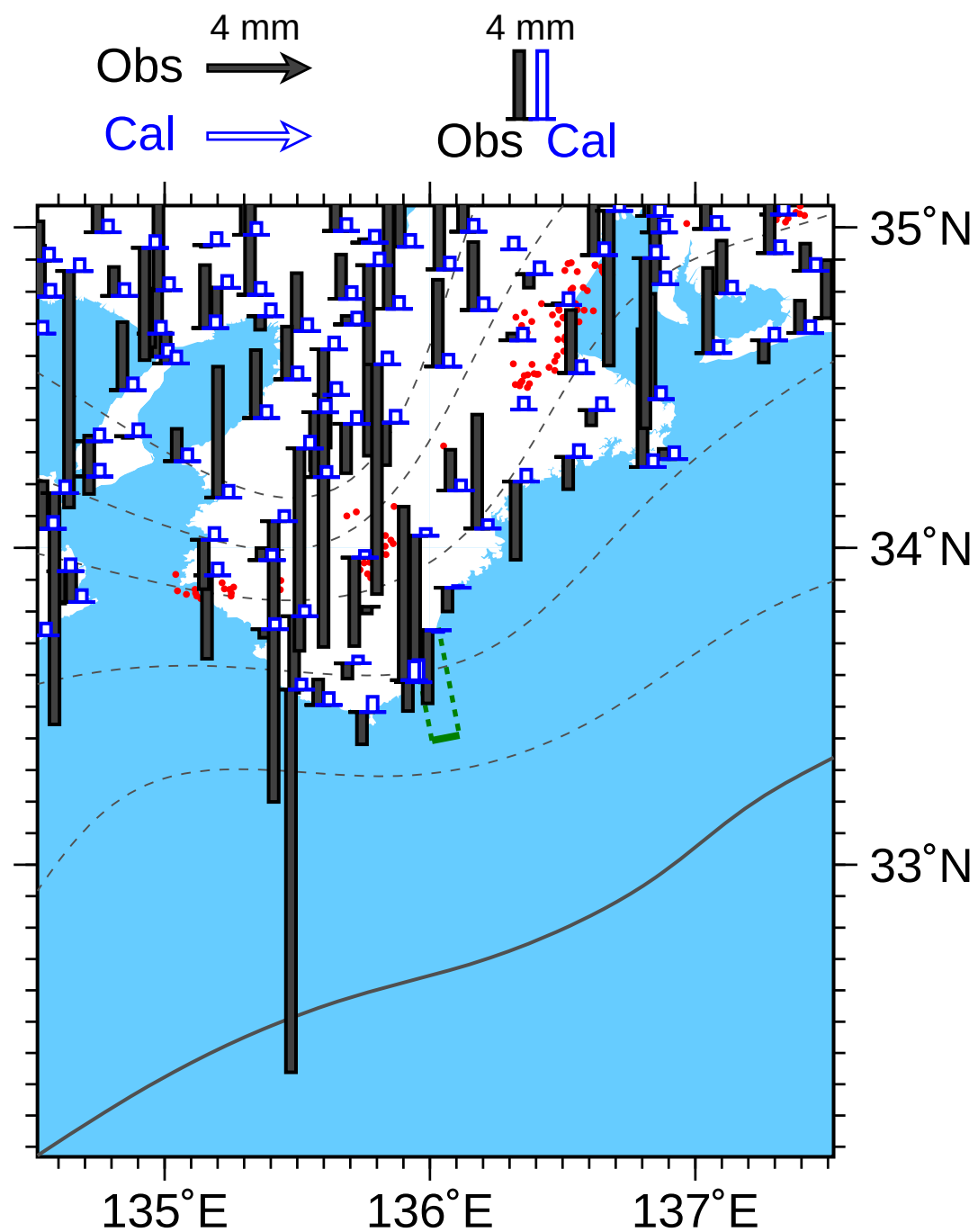
Date: Mar-20-2002 class2 Duration: 29 days

len: 9.797 wid: 39.091 str: 258.969 dip: 16.522 rak: 99.301

slp: 33.9 Mw: 5.74 CC: 0.636 RC2: 7.0084e+01

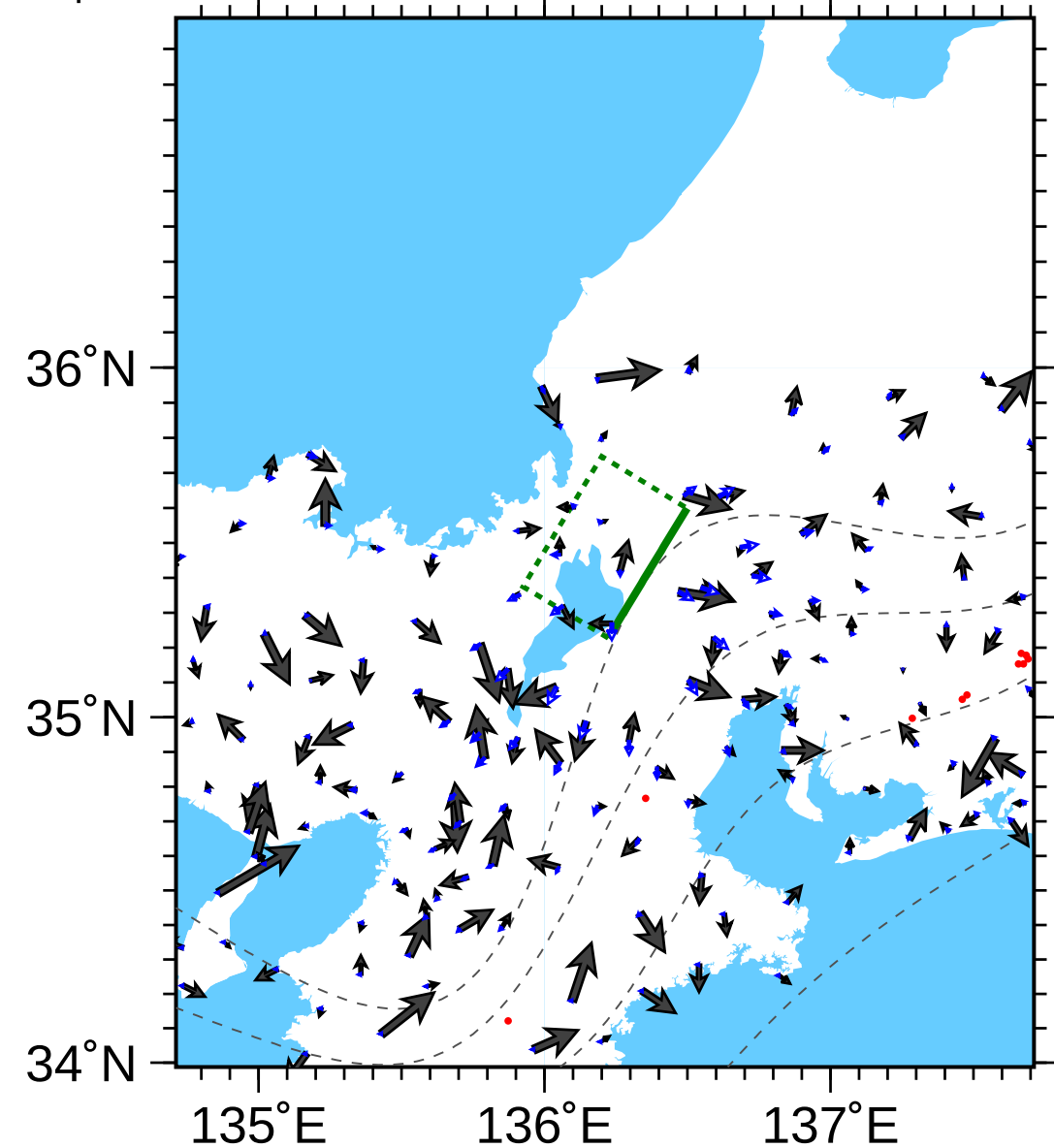


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

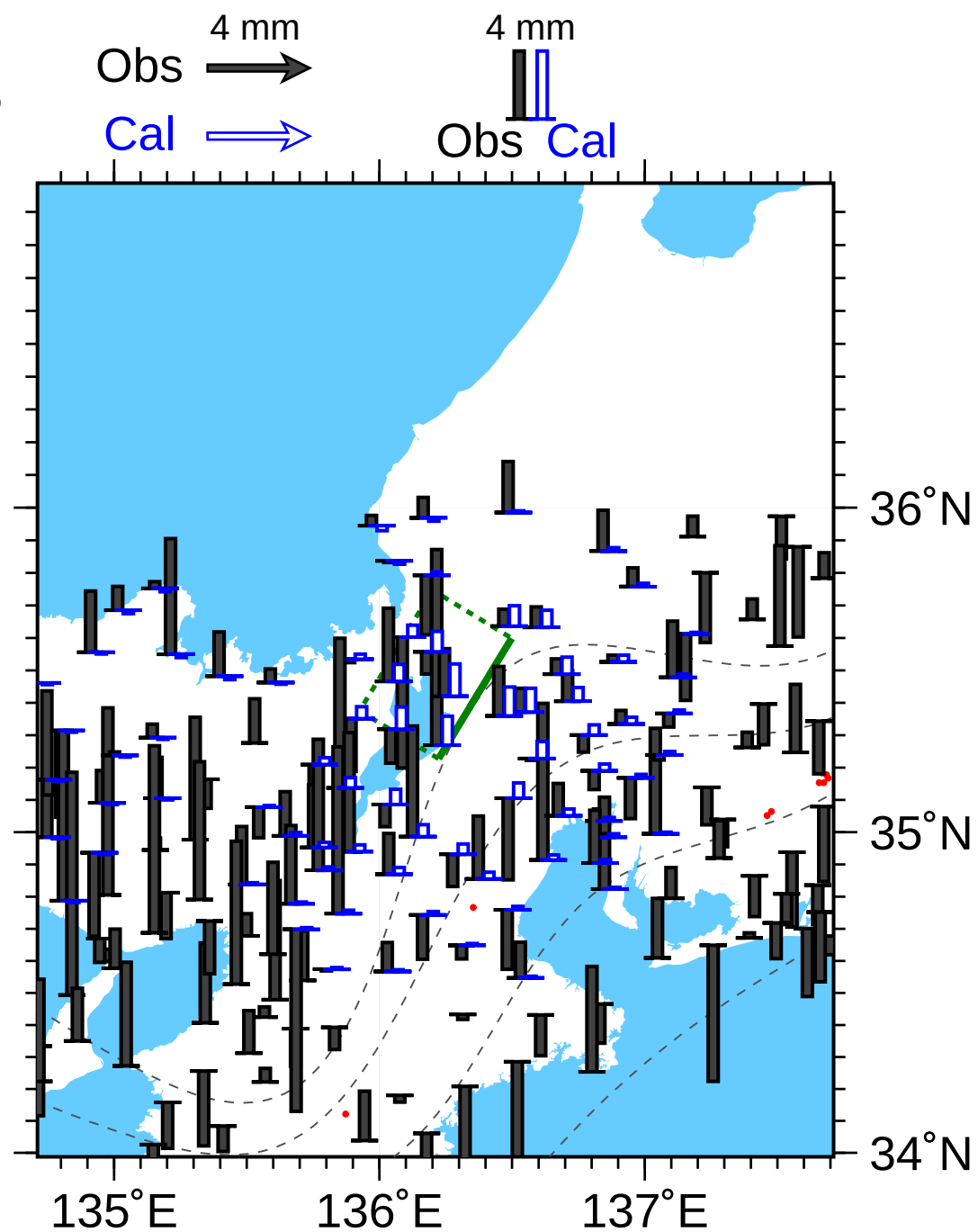


- 10
- 100
- 1000

Date: Jun-30-2002 class2 Duration: 13 days
len: 48.215 wid: 35.214 str: 211.187 dip: 26.067 rak: 77.705
slp: 20 Mw: 6.02 CC: 0.452 RC2: 5.3491e+01



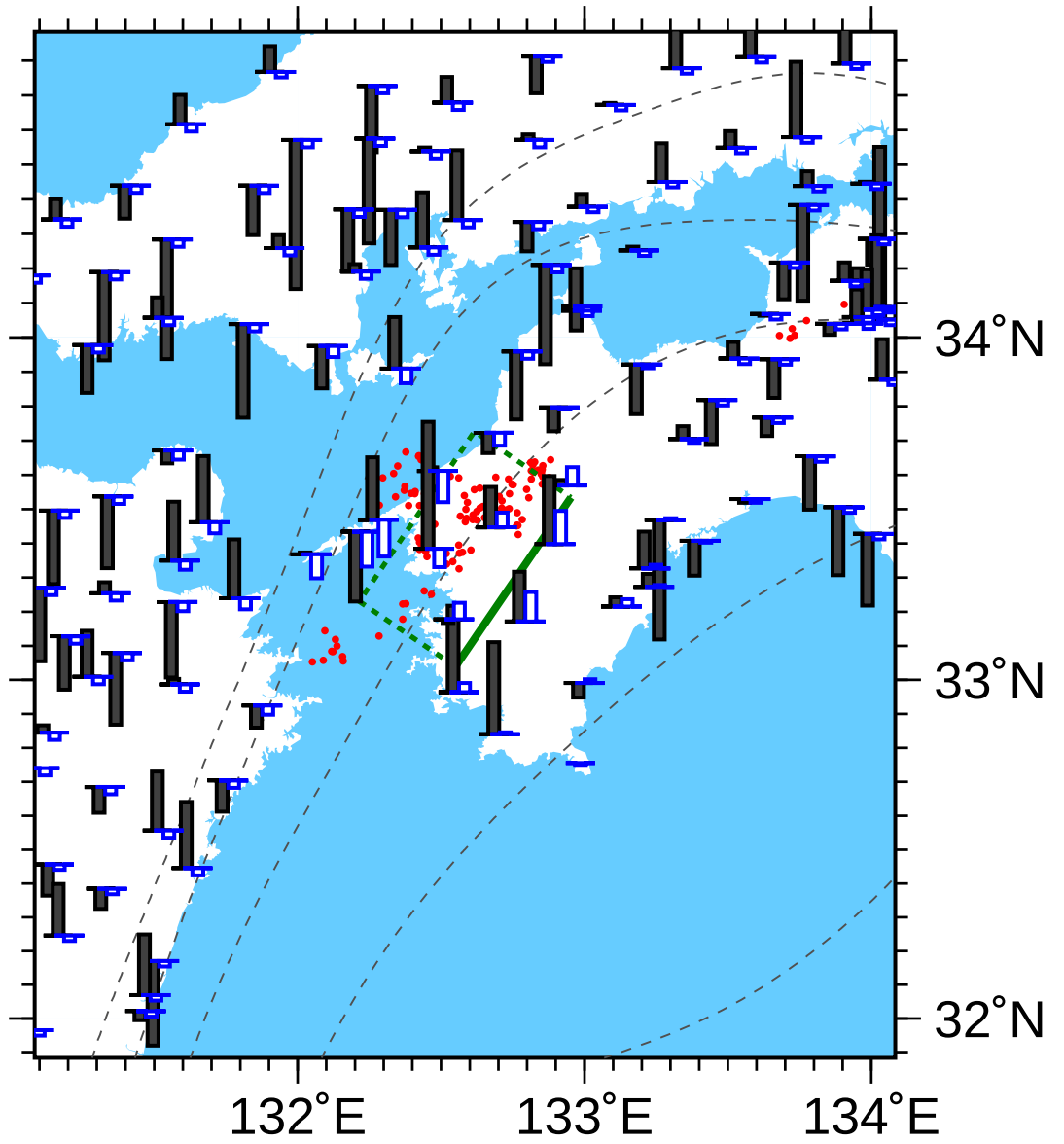
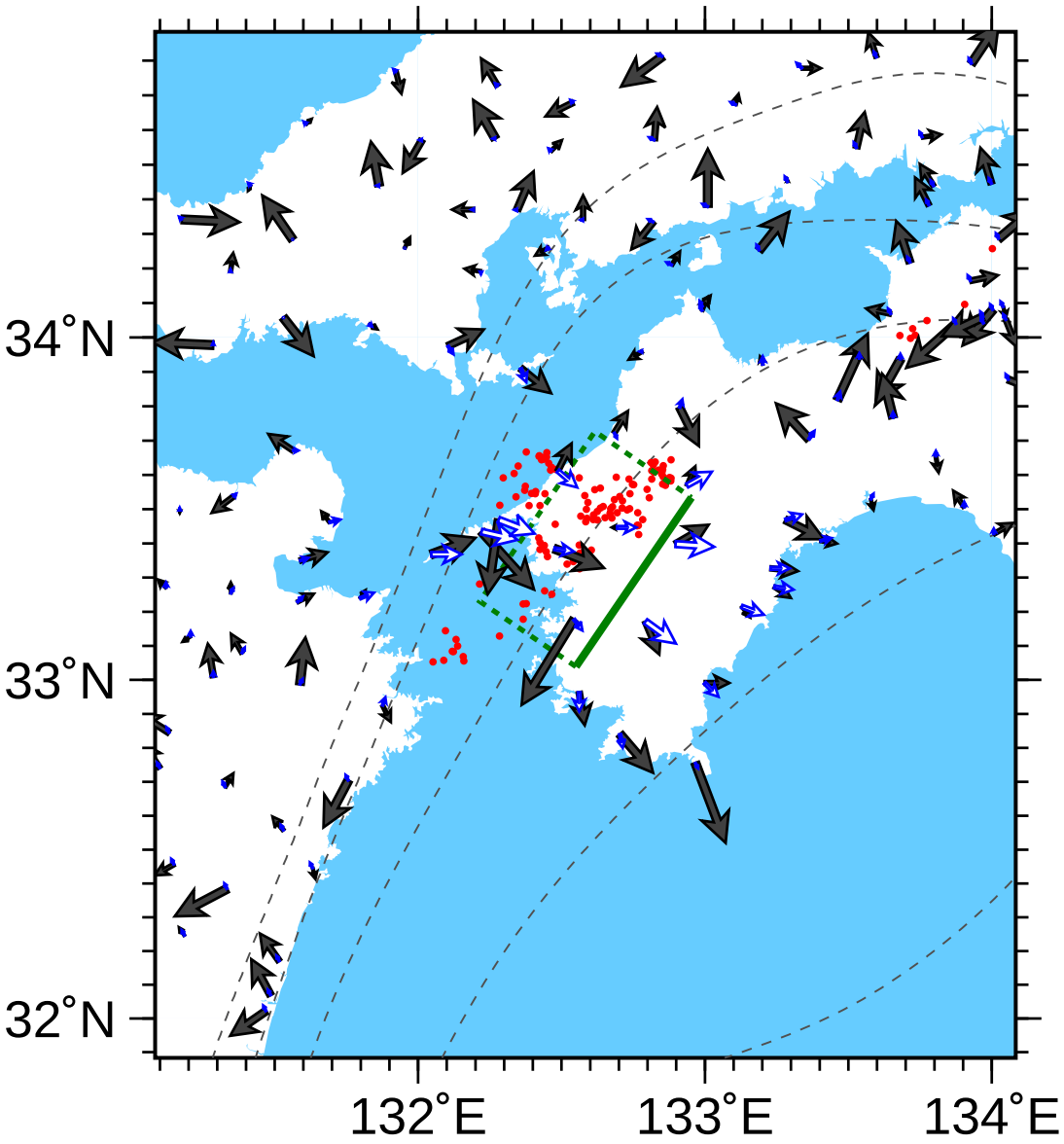
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Aug-9-2002 class2 Duration: 17 days
len: 66.469 wid: 37.971 str: 214.263 dip: 5.064 rak: 98.766
slp: 11.8 Mw: 5.98 CC: 0.620 RC2: 8.5877e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

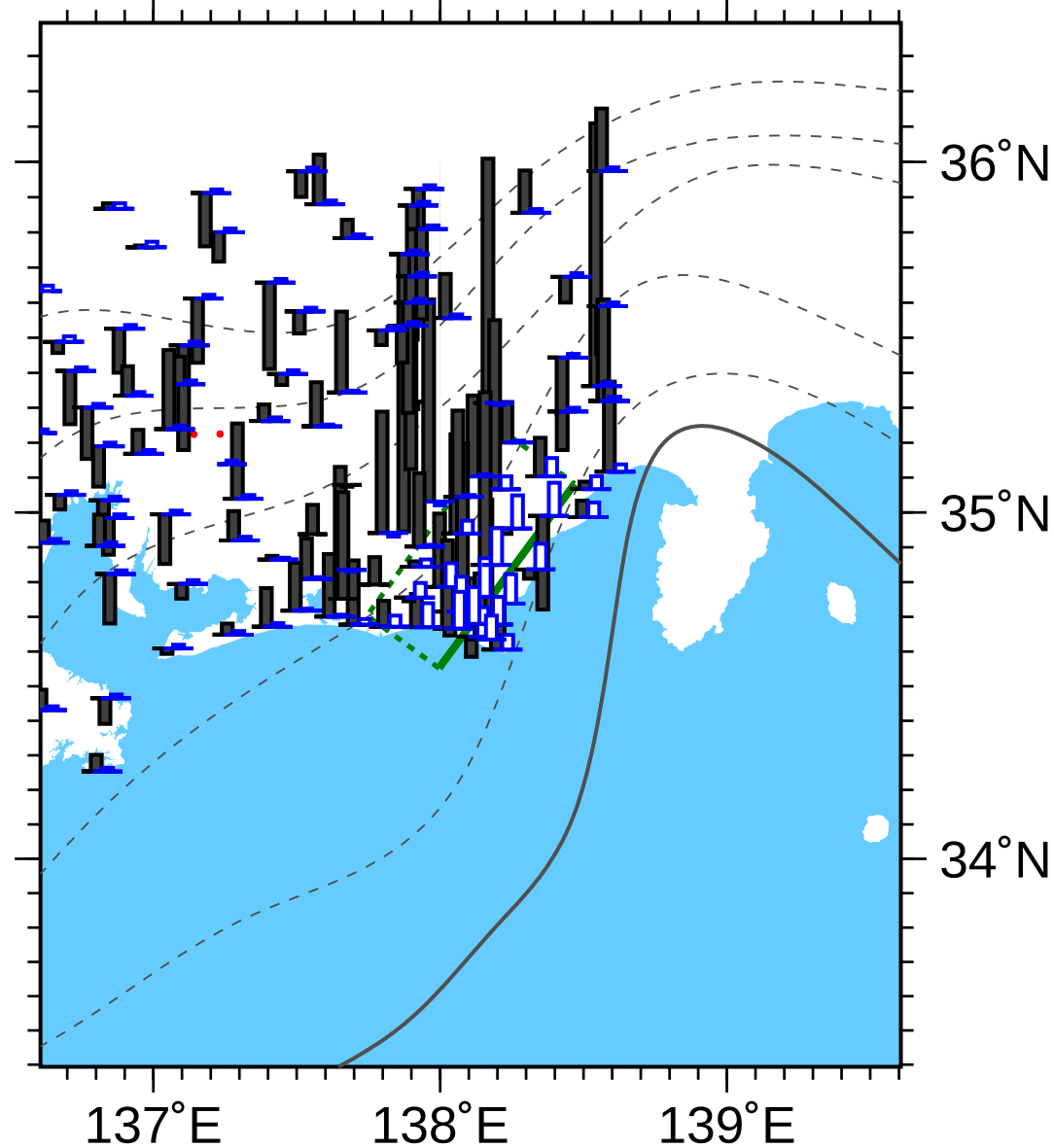
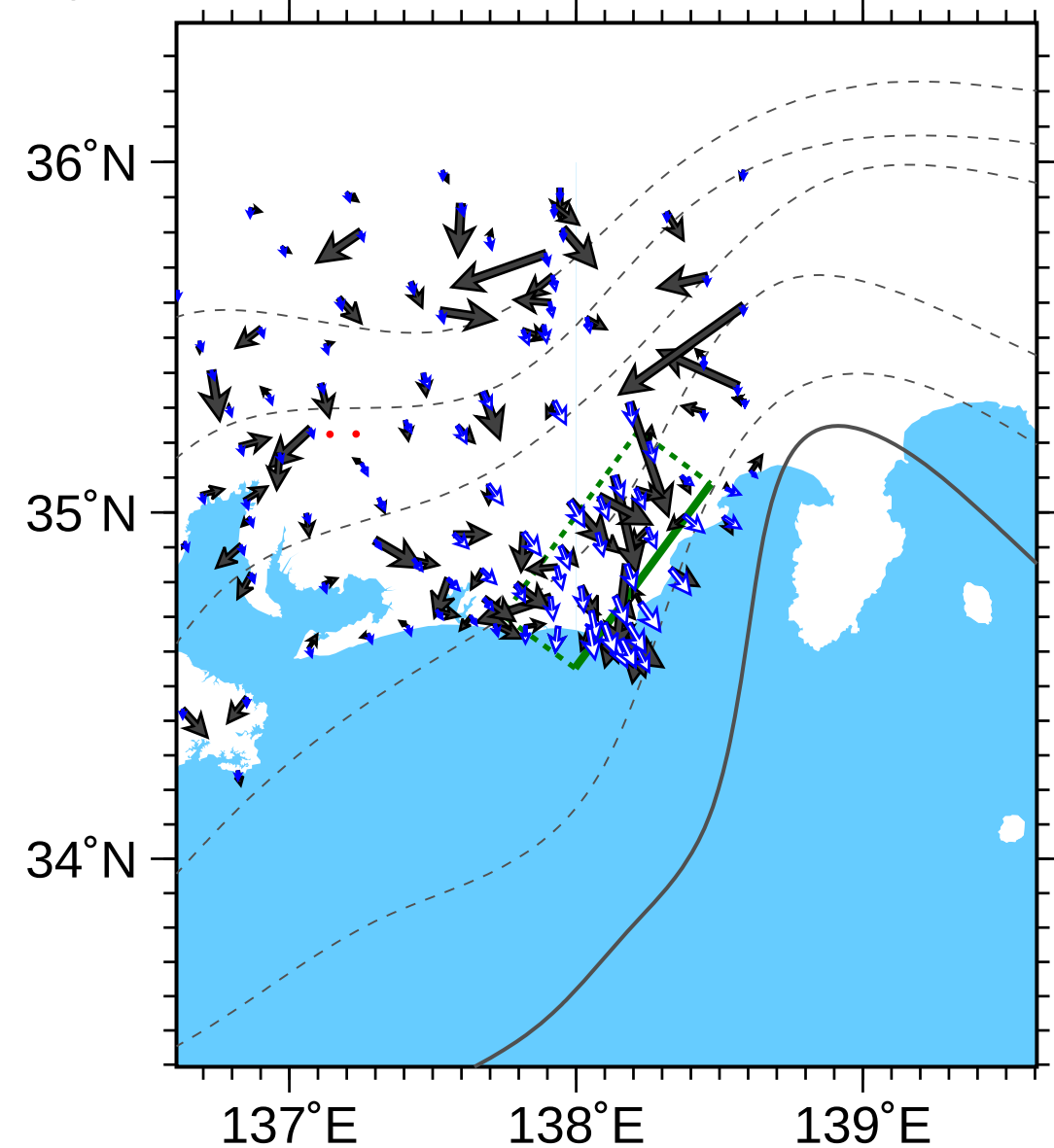


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Aug-28-2002 class2 Duration: 26 days
len: 73.057 wid: 30.459 str: 216.262 dip: 20.700 rak: 76.804
slp: 5.2 Mw: 5.71 CC: 0.454 RC2: 7.0767e+01

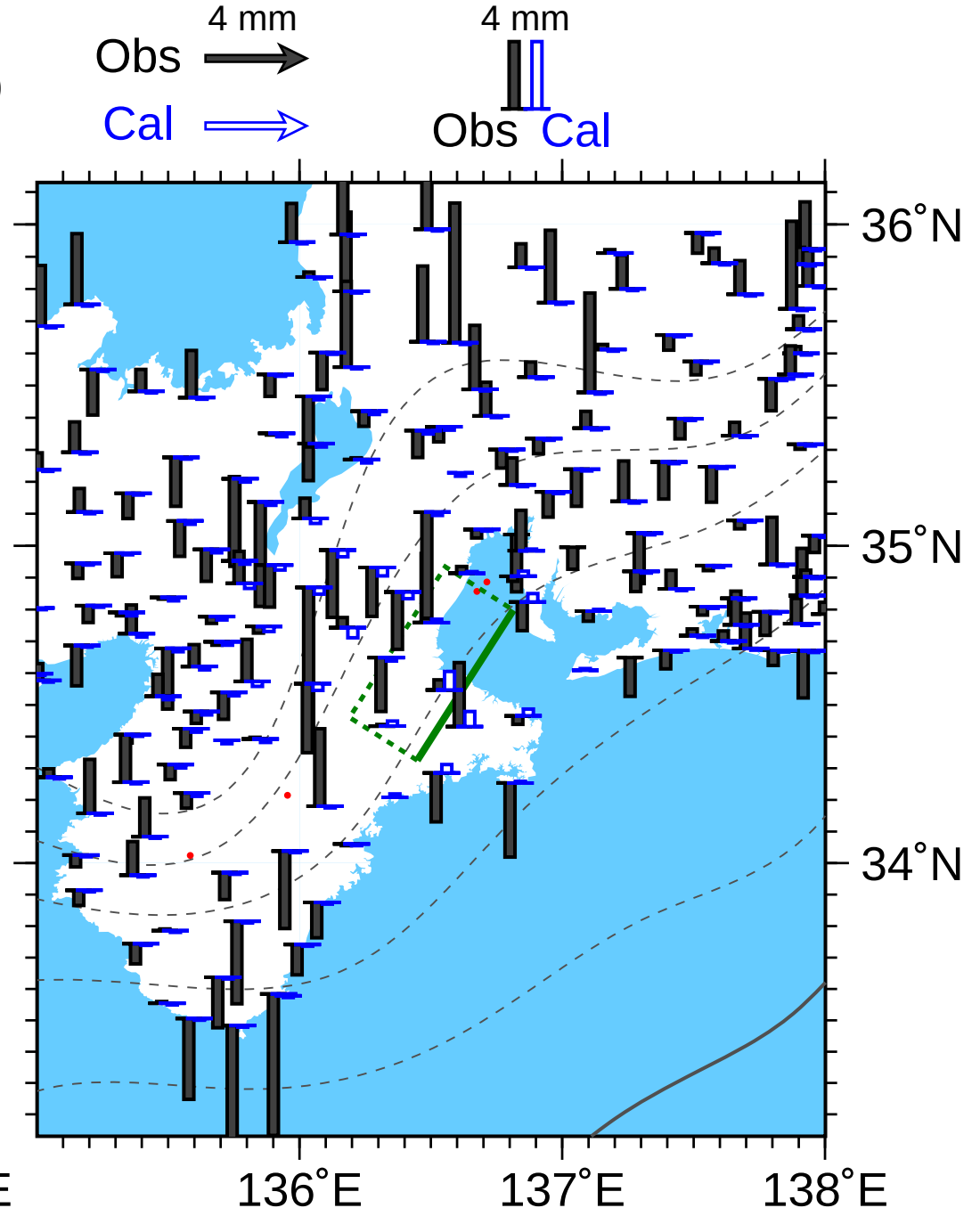
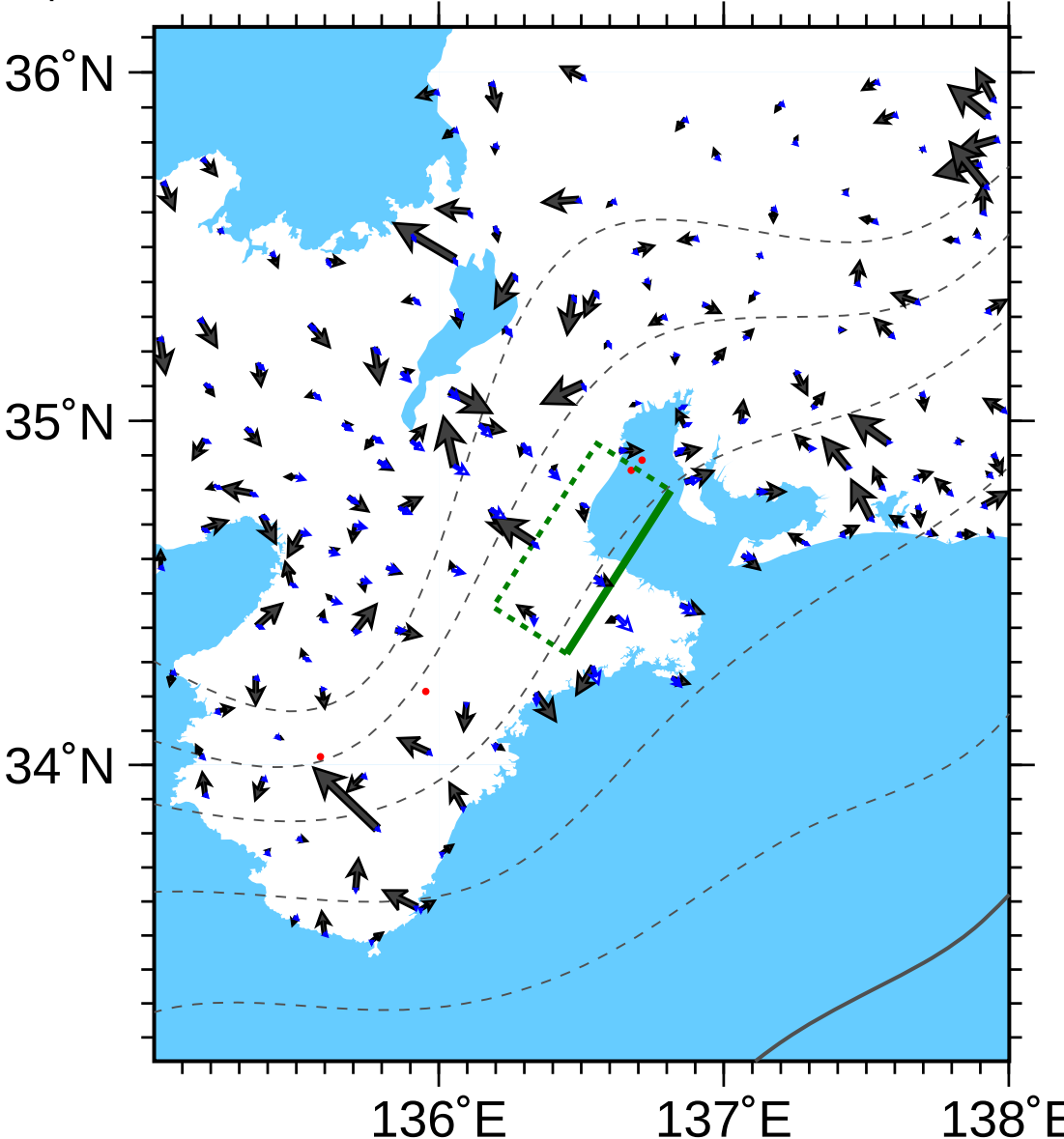
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Oct-20-2002 class2 Duration: 1 days
len: 62.275 wid: 29.465 str: 212.461 dip: 17.817 rak: 93.840
slp: 6.5 Mw: 5.72 CC: 0.474 RC2: 5.2548e+01



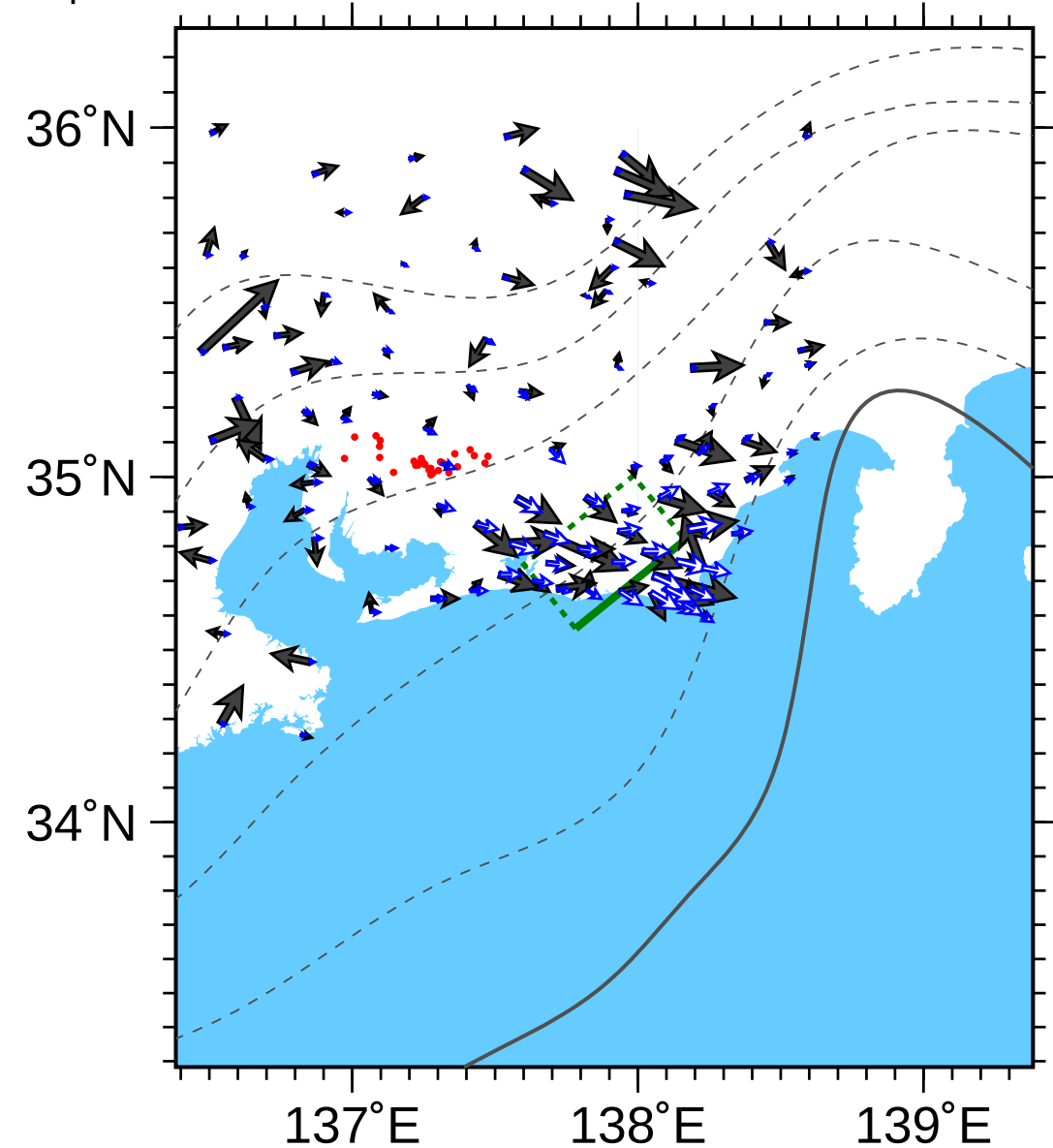
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



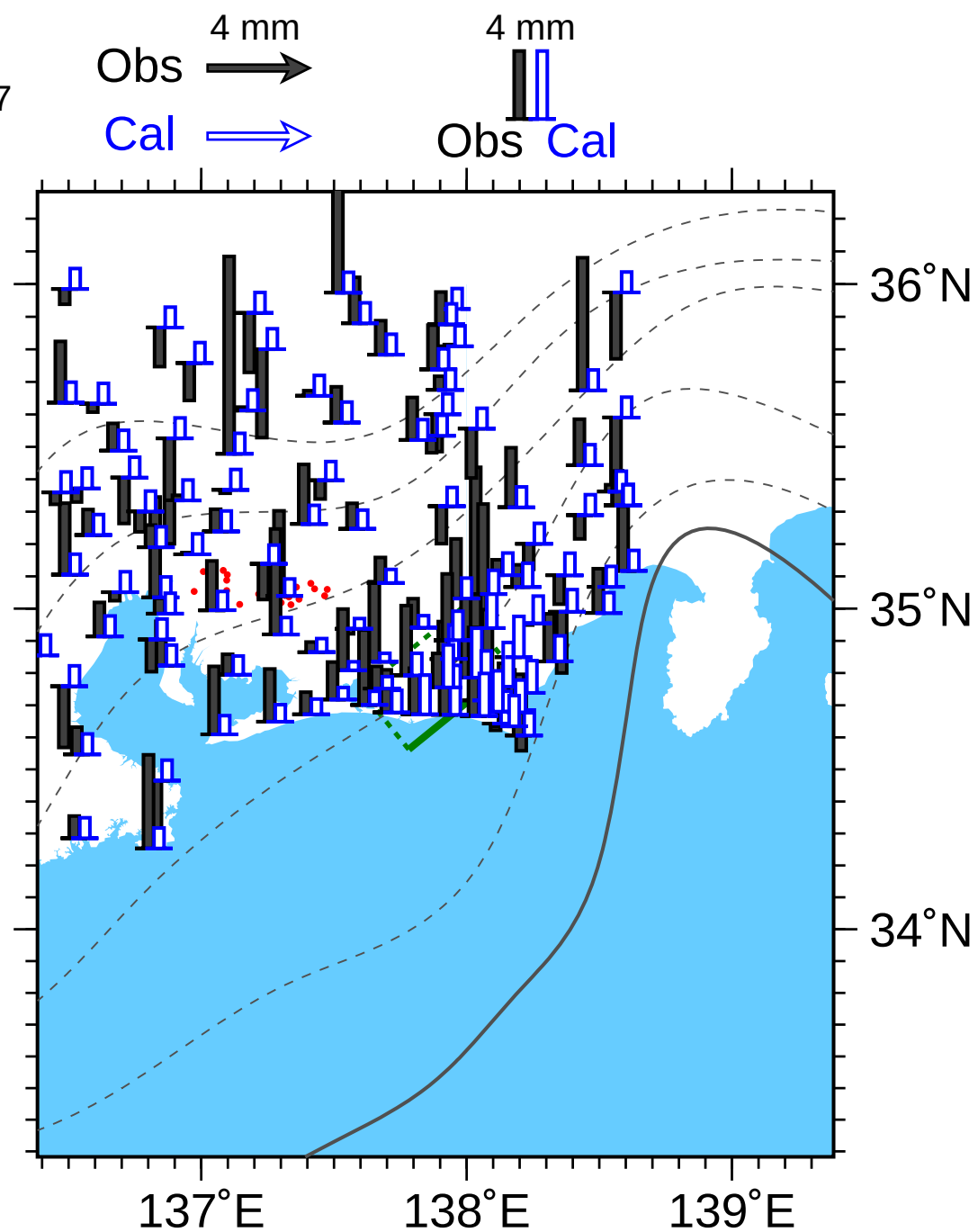
Date: Nov-21-2002 class2 Duration: 19 days

len: 45.160 wid: 27.497 str: 230.960 dip: 16.673 rak: 116.317

slp: 7.3 Mw: 5.64 CC: 0.592 RC2: 1.3302e+02



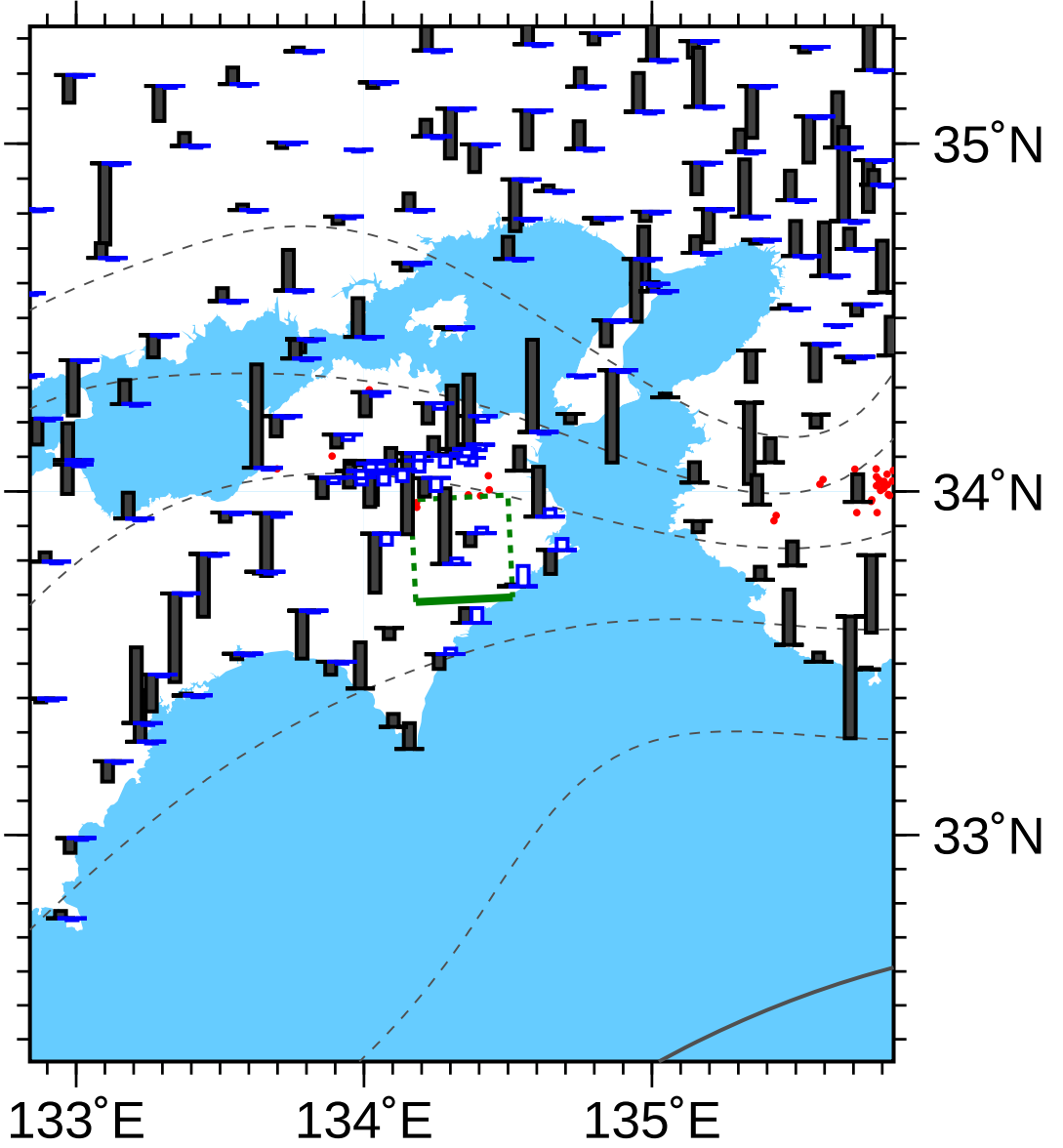
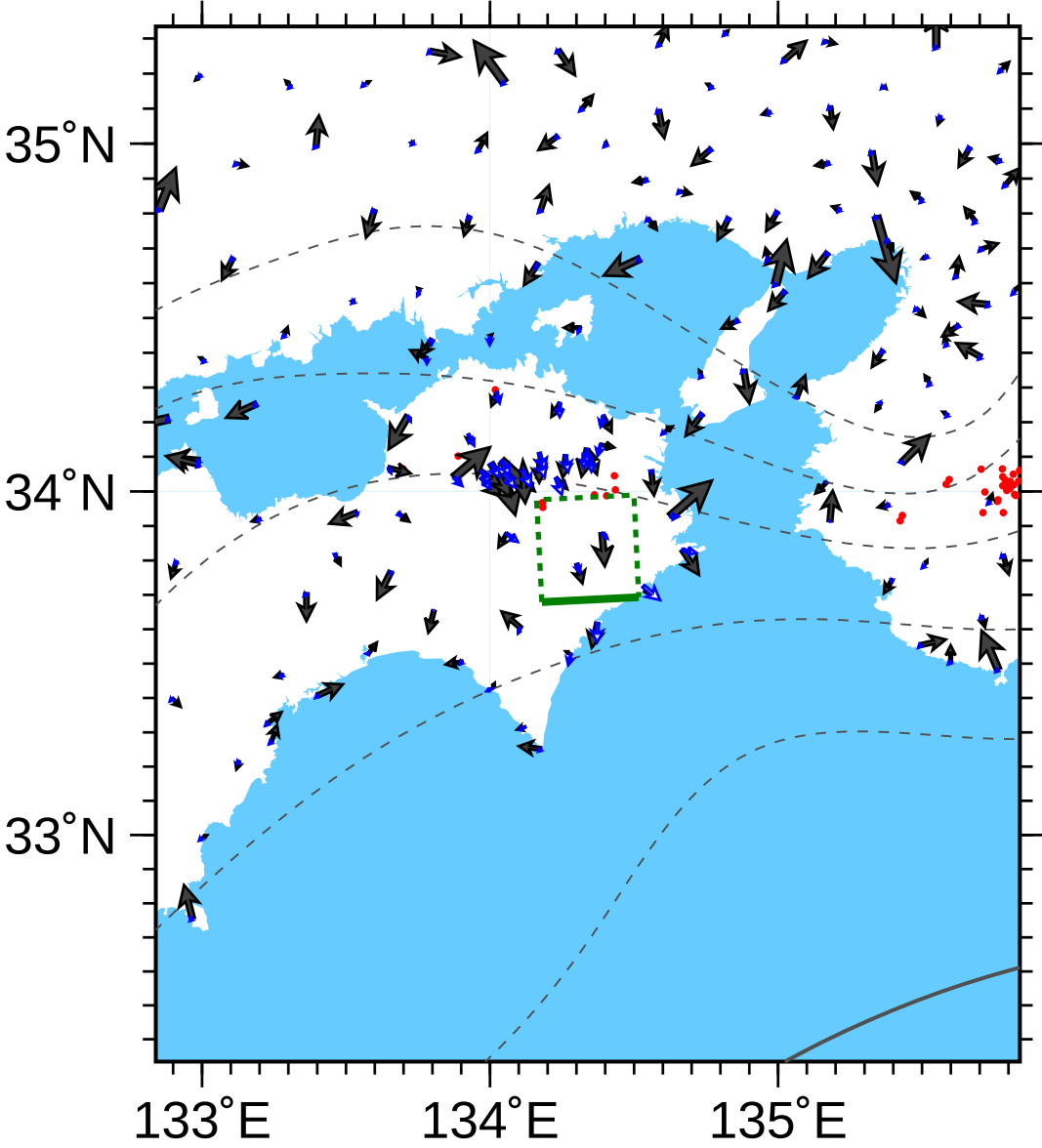
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Dec-22-2002 class2 Duration: 7 days
len: 31.255 wid: 33.481 str: 267.120 dip: 10.713 rak: 135.217
slp: 7.6 Mw: 5.60 CC: 0.488 RC2: 9.3541e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



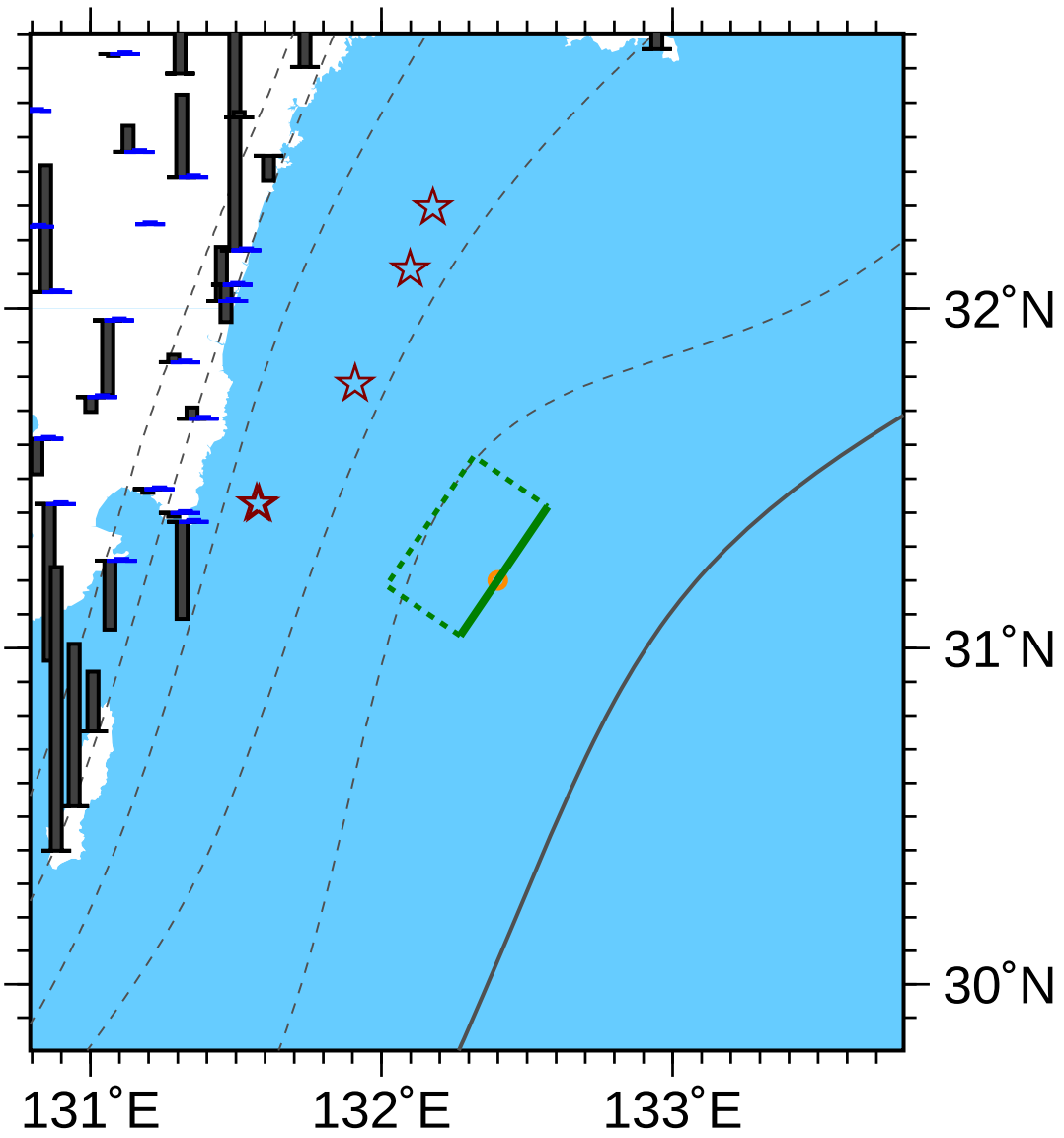
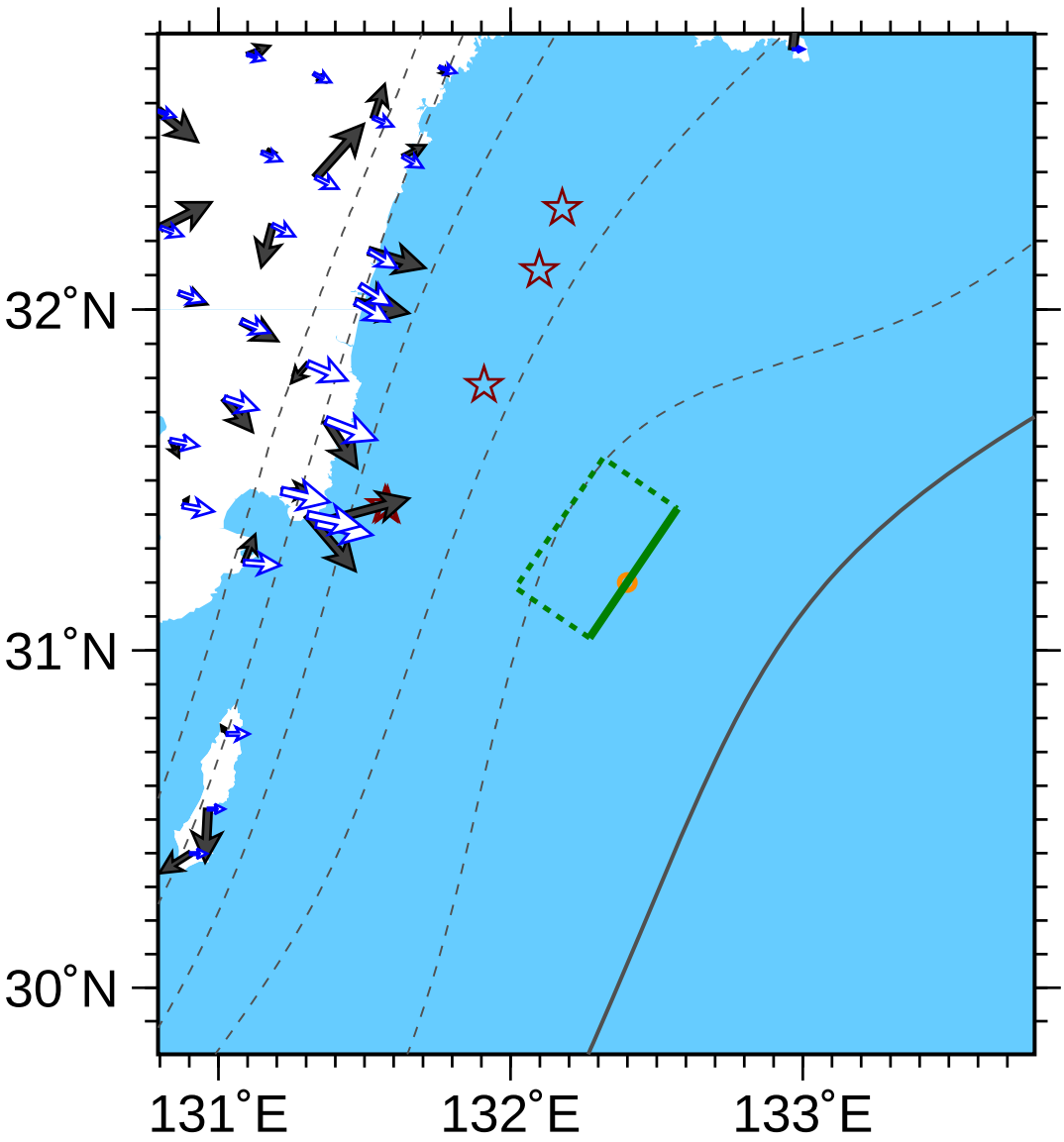
Date: Jan-7-2003 class2 Duration: 38 days

len: 51.007 wid: 29.848 str: 214.114 dip: 11.828 rak: 104.850

slp: 91.2 Mw: 6.43 CC: 0.593 RC2: 6.1437e+01

Obs 
Cal 

 4 mm
 4 mm
Obs Cal



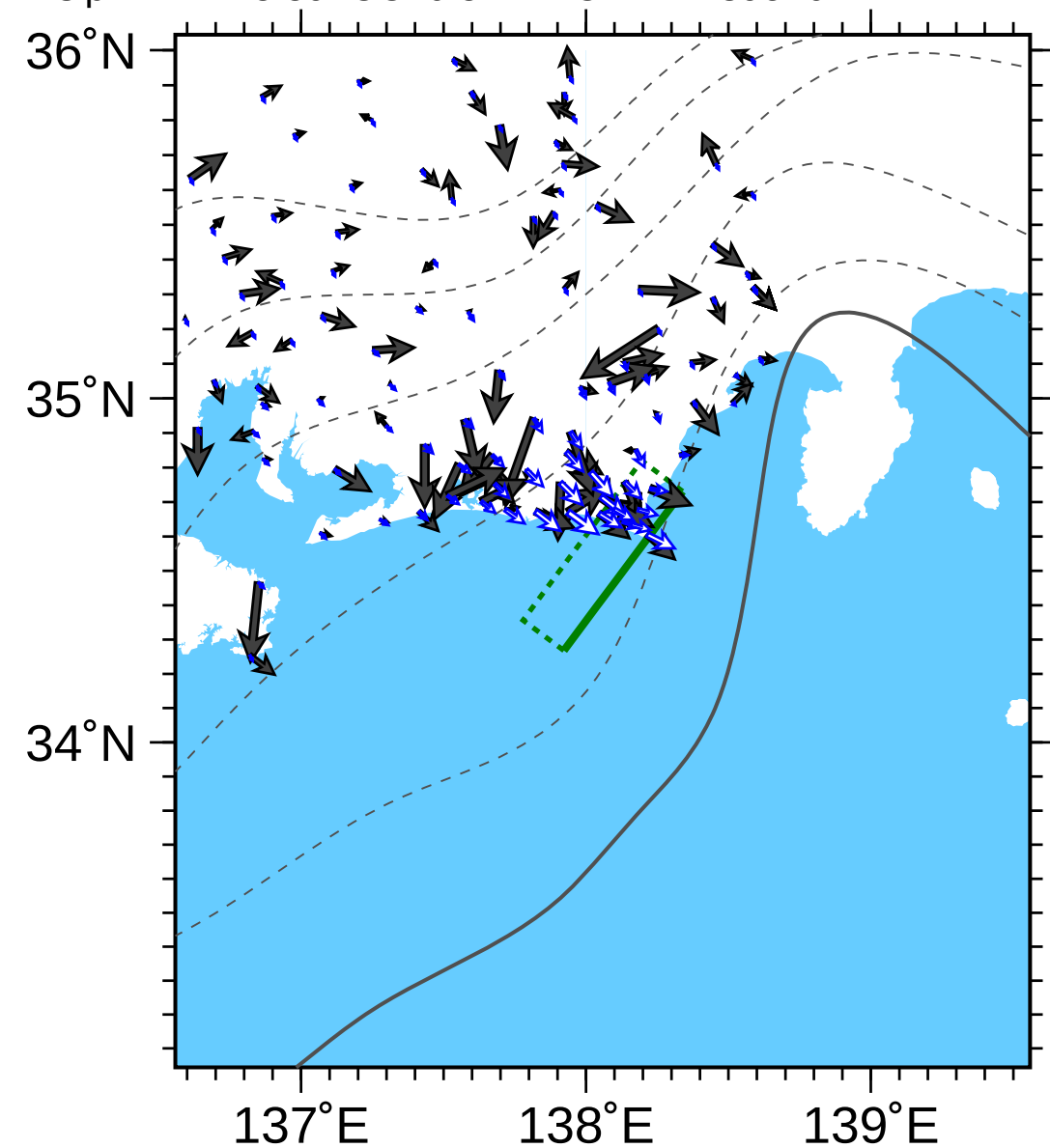
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

Date: Feb-15-2003 class2 Duration: 25 days

len: 64.052 wid: 16.709 str: 216.686 dip: 9.964 rak: 97.828

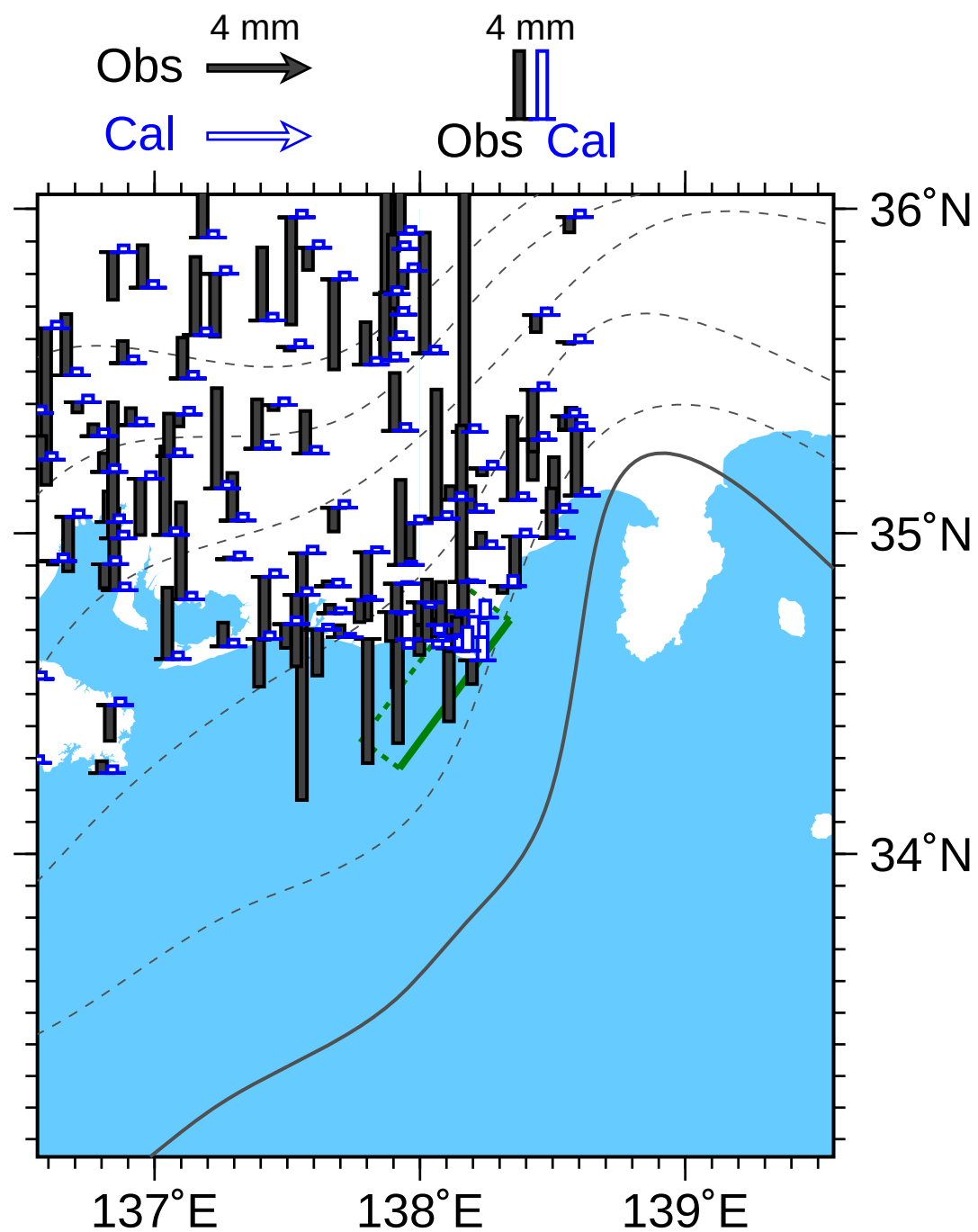
slp: 7 Mw: 5.59 CC: 0.574 RC2: 1.1139e+02



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)



4 mm
Obs →
Cal →

4 mm
Obs Cal

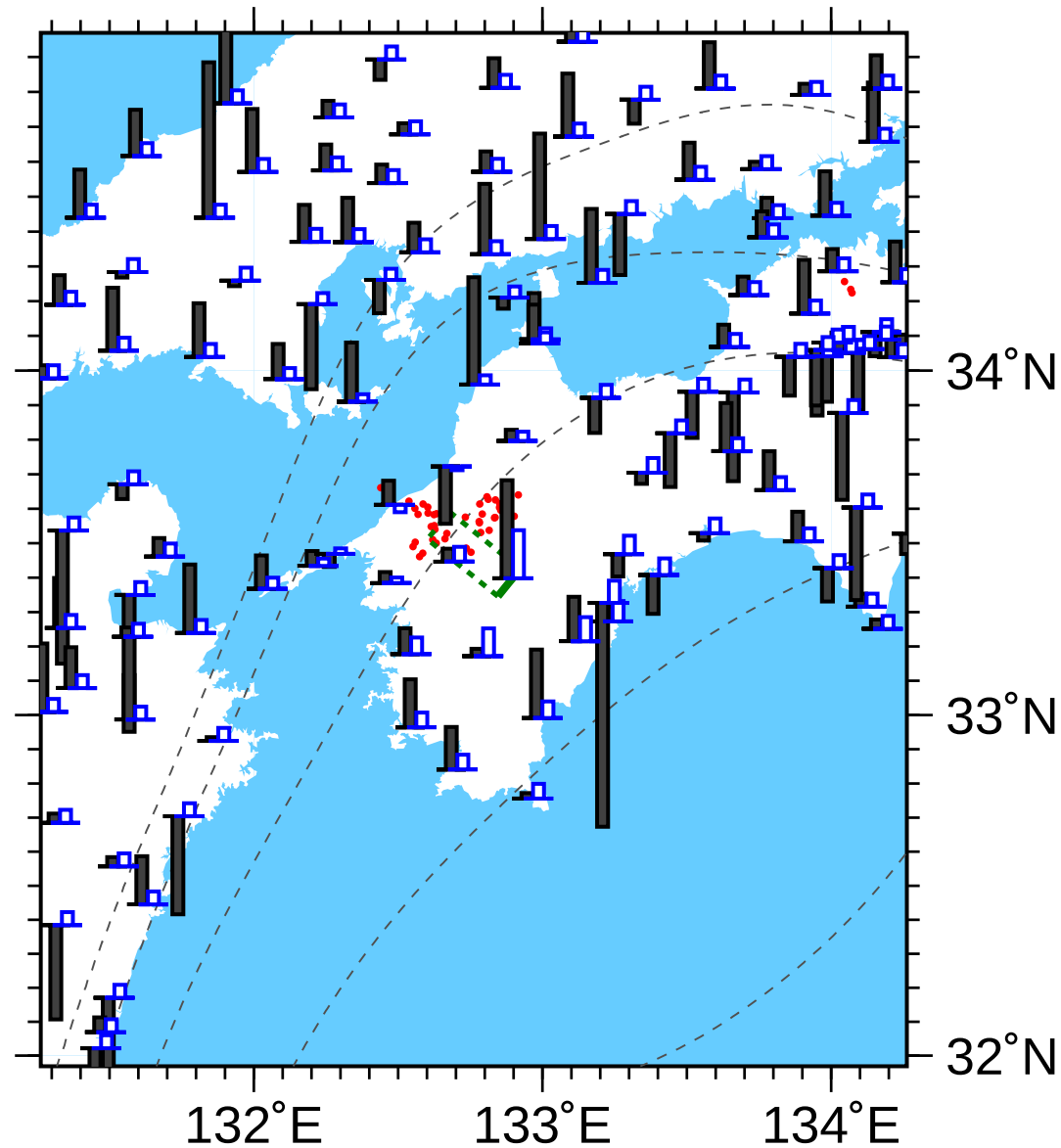
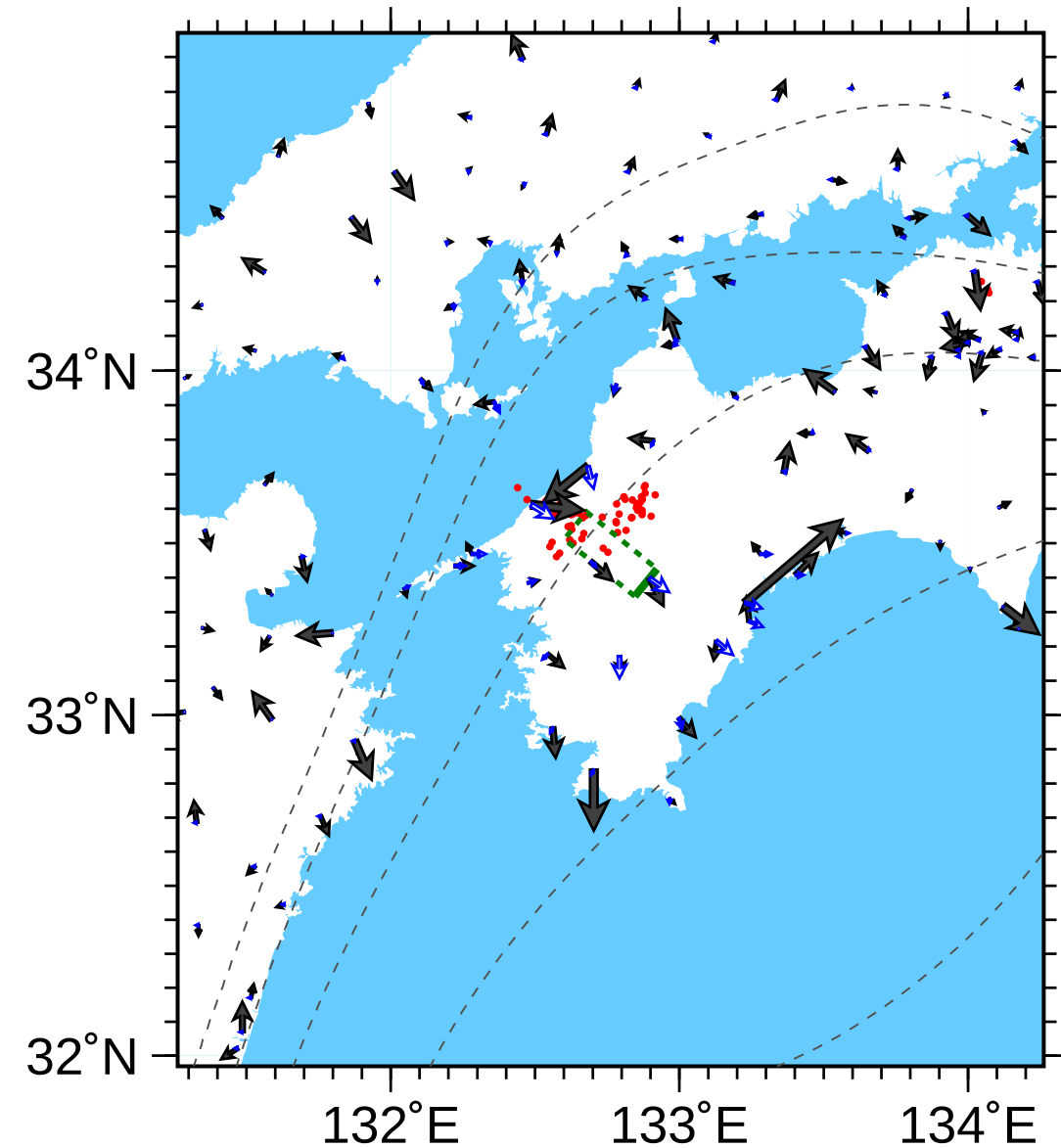
○ ○ ○
10 100 1000

Date: Mar-8-2003 class2 Duration: 9 days

len: 11.343 wid: 29.337 str: 218.965 dip: 5.495 rak: 86.685

slp: 39.3 Mw: 5.75 CC: 0.669 RC2: 7.4838e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

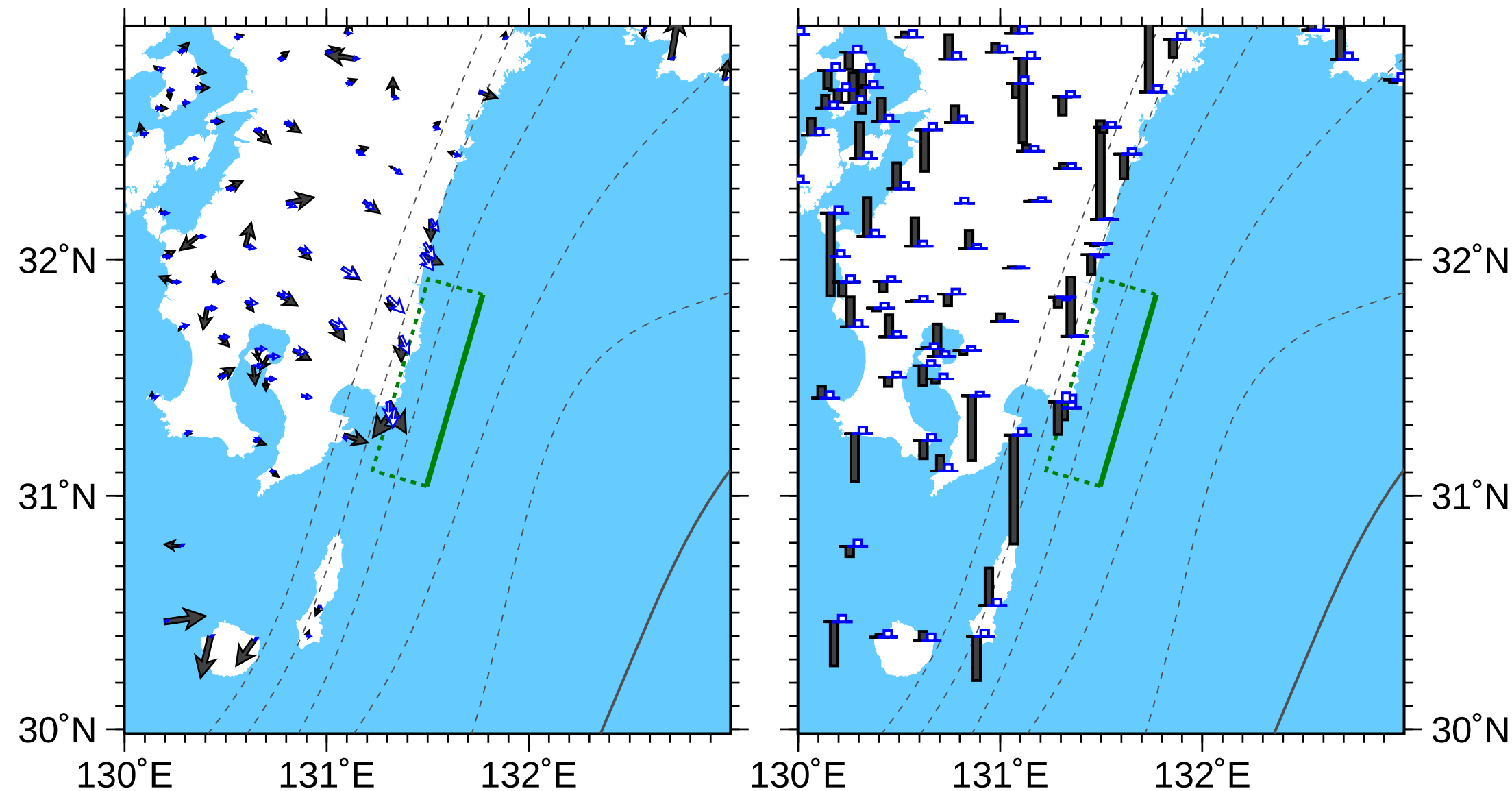


Date: Apr-6-2003 class2 Duration: 1 days

len: 93.855 wid: 28.840 str: 196.288 dip: 23.120 rak: 37.973

slp: 10 Mw: 5.96 CC: 0.558 RC2: 9.4095e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

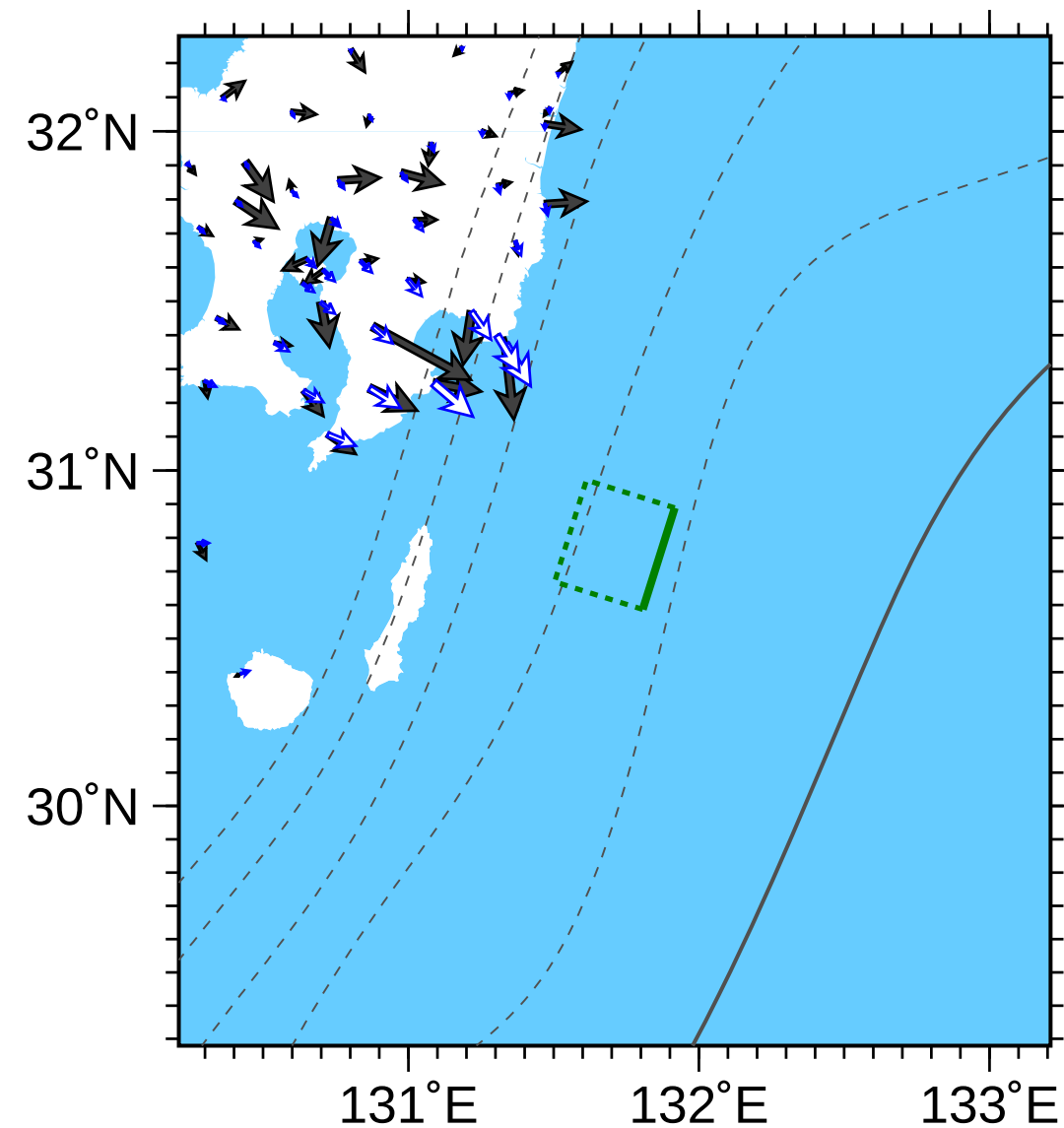
○ ○ ○
10 100 1000

Date: Jul-9-2003 class2 Duration: 6 days

len: 35.098 wid: 31.248 str: 197.424 dip: 12.927 rak: 77.145

slp: 75.3 Mw: 6.28 CC: 0.560 RC2: 1.1361e+02

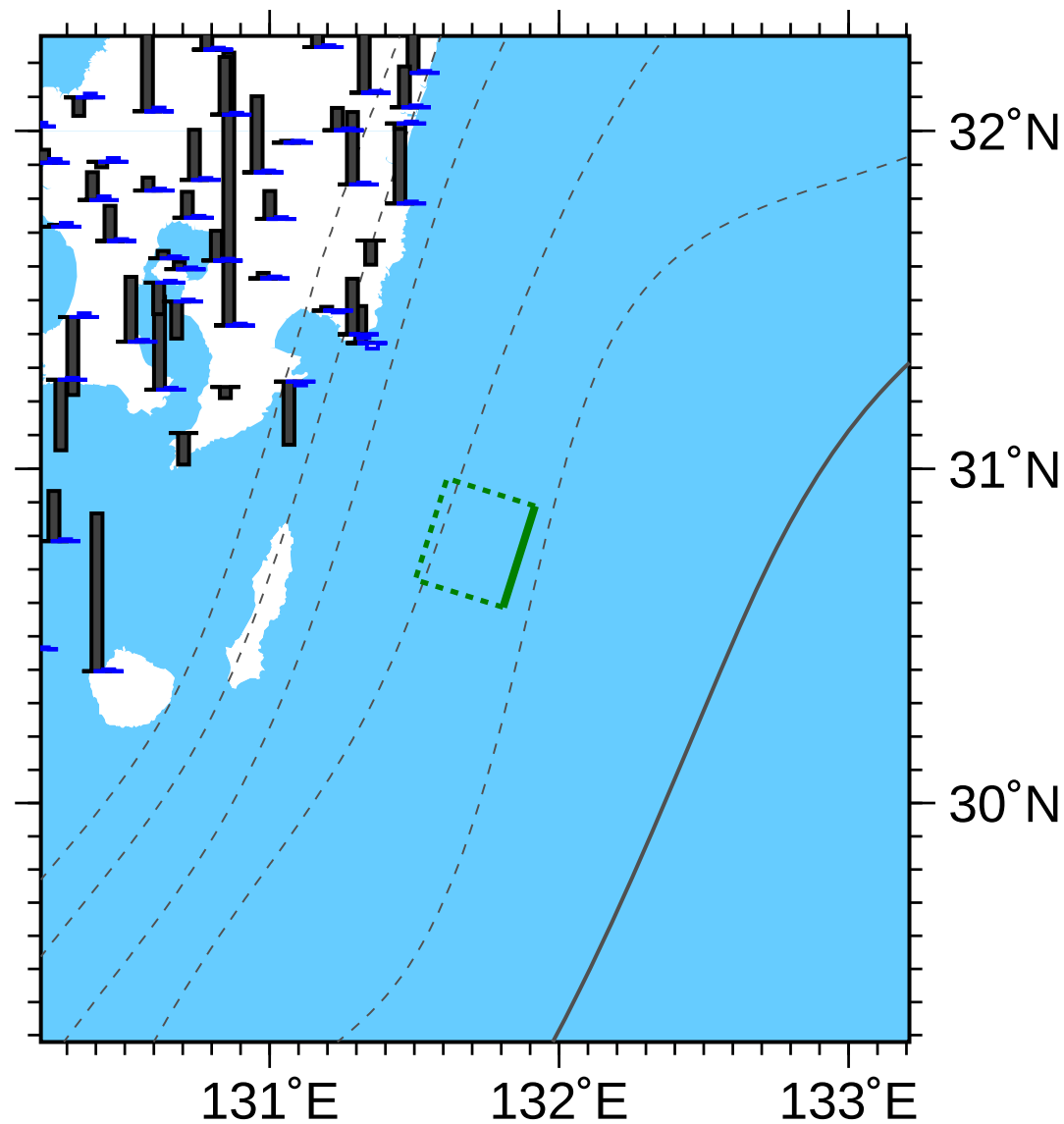
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)



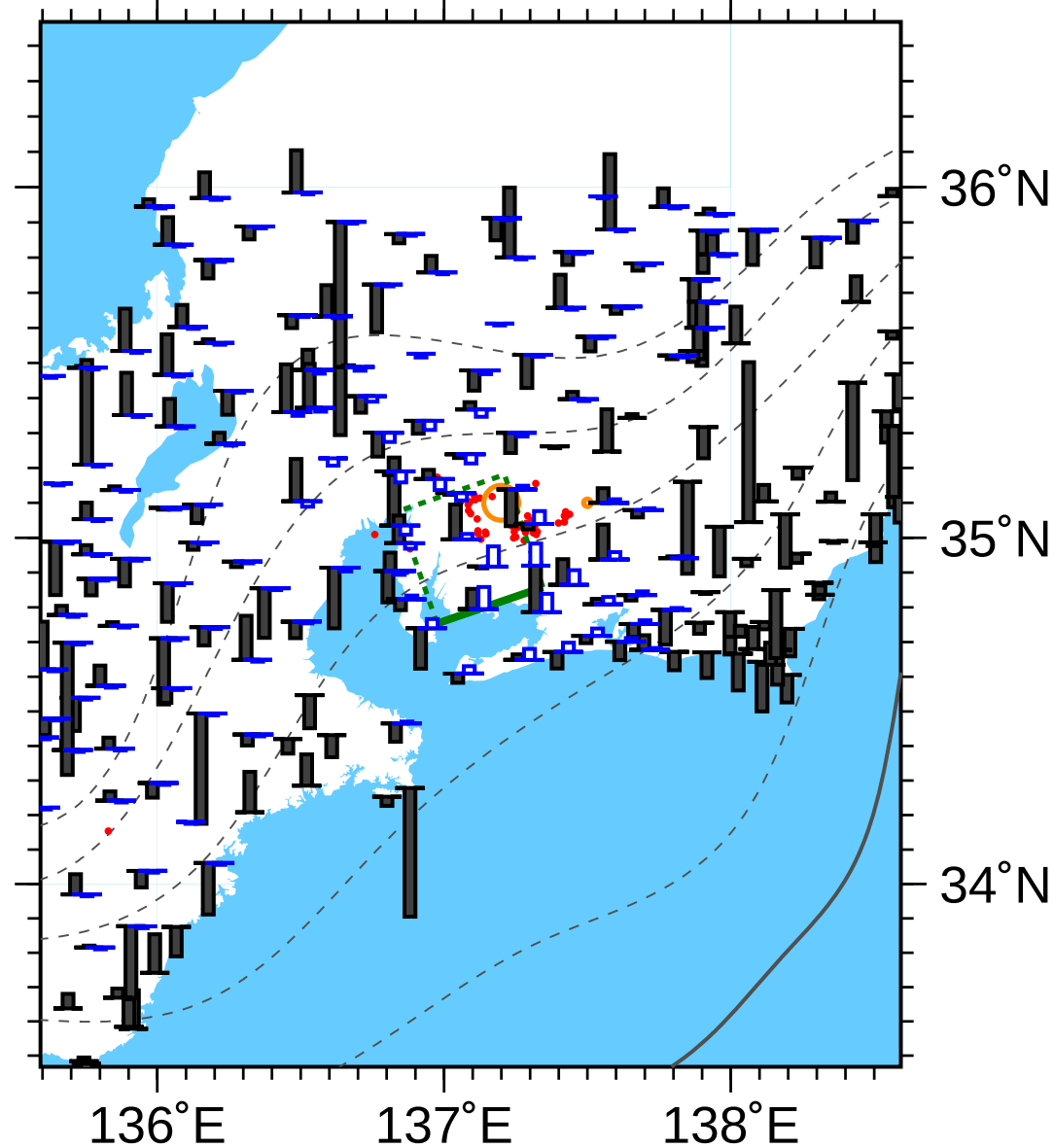
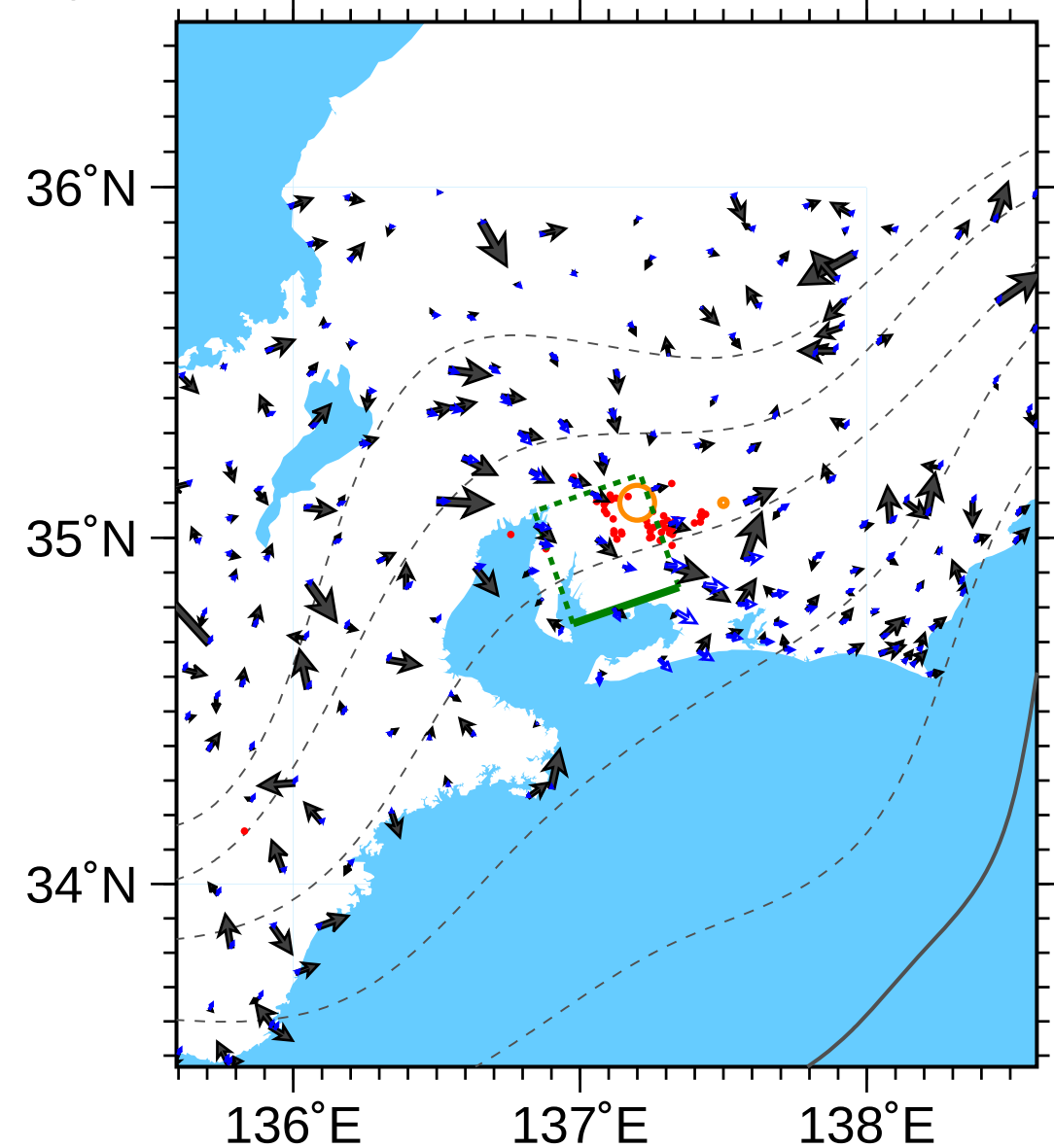
○ ○ ○
10 100 1000

Date: Nov-6-2003 class2 Duration: 6 days

len: 35.704 wid: 38.955 str: 251.075 dip: 13.539 rak: 112.004

slp: 8.4 Mw: 5.71 CC: 0.565 RC2: 1.3106e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



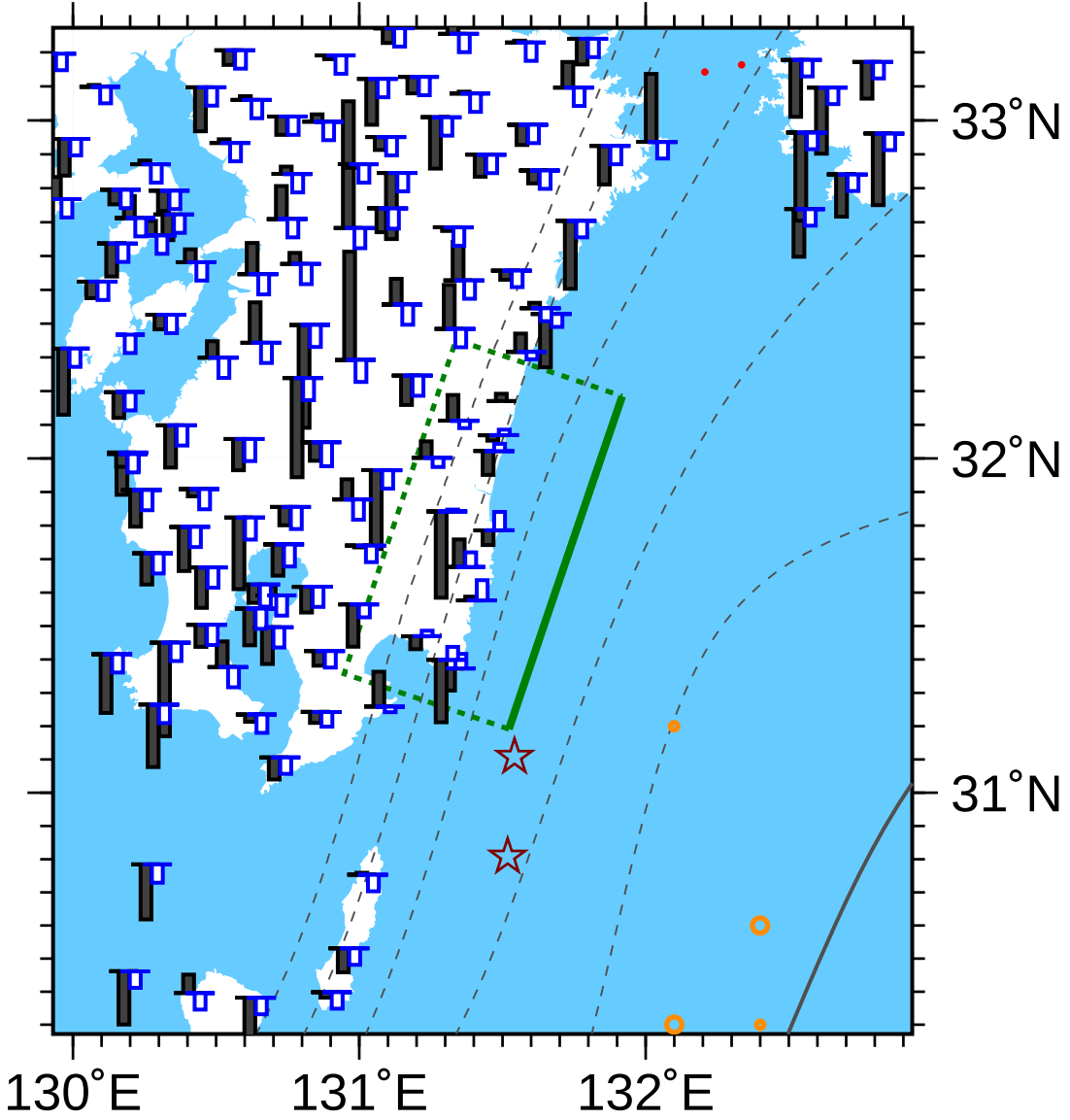
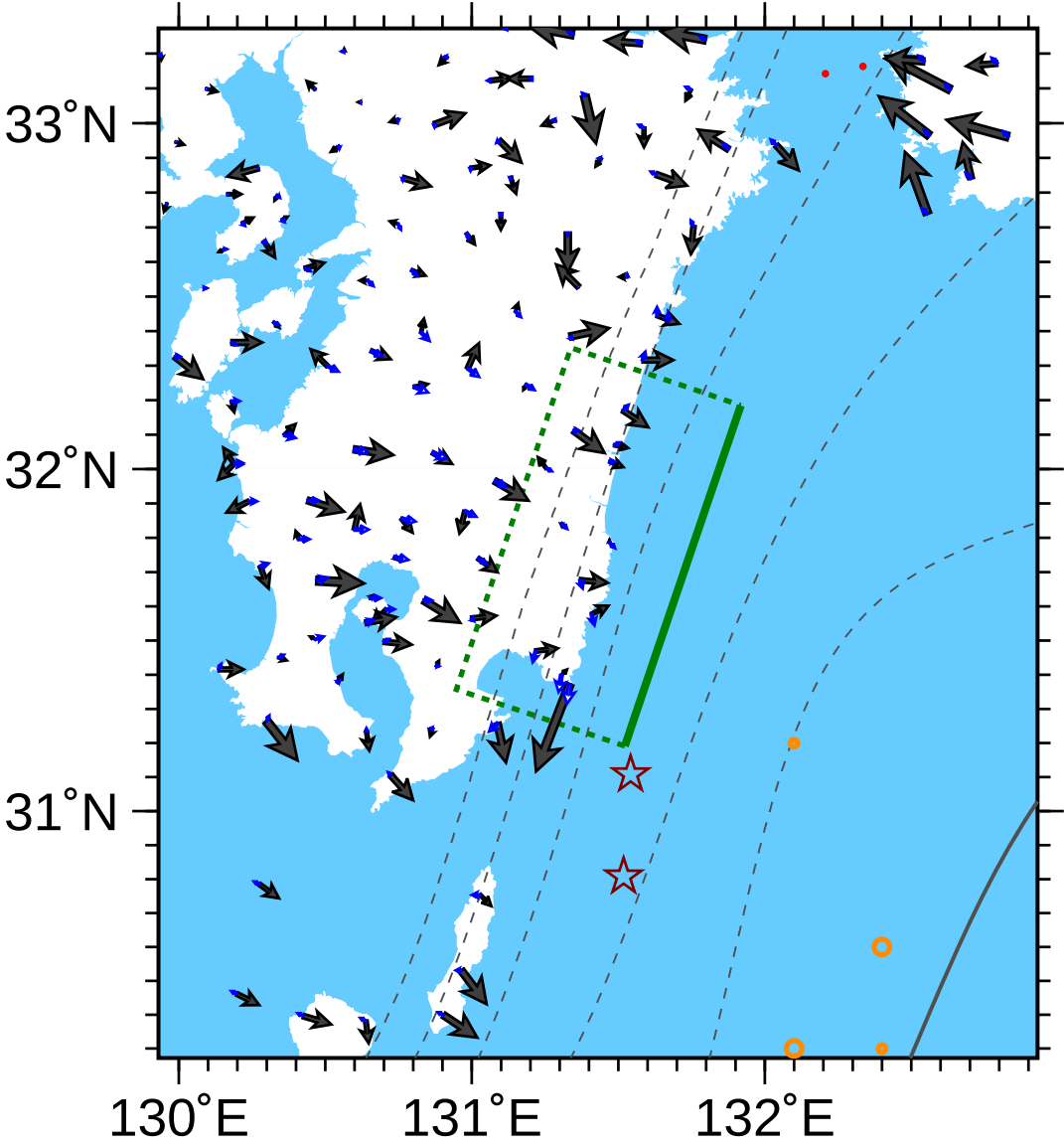
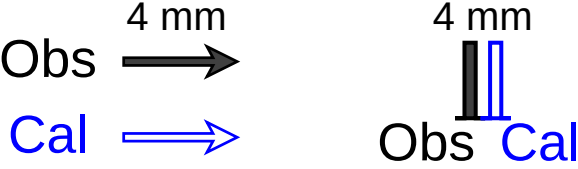
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jan-3-2004 class2 Duration: 38 days

len: 116.365 wid: 67.344 str: 198.604 dip: 30.947 rak: 81.642

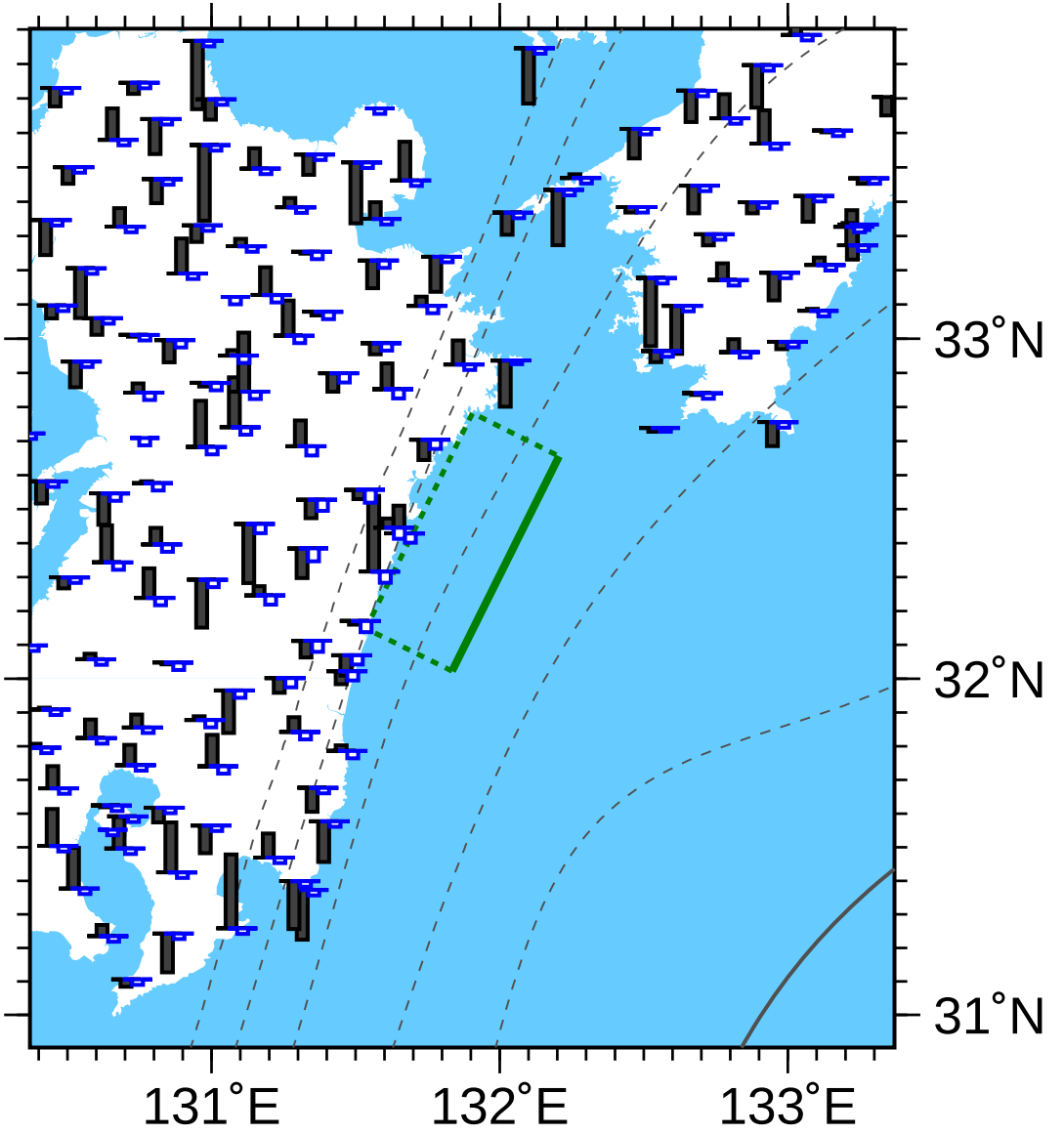
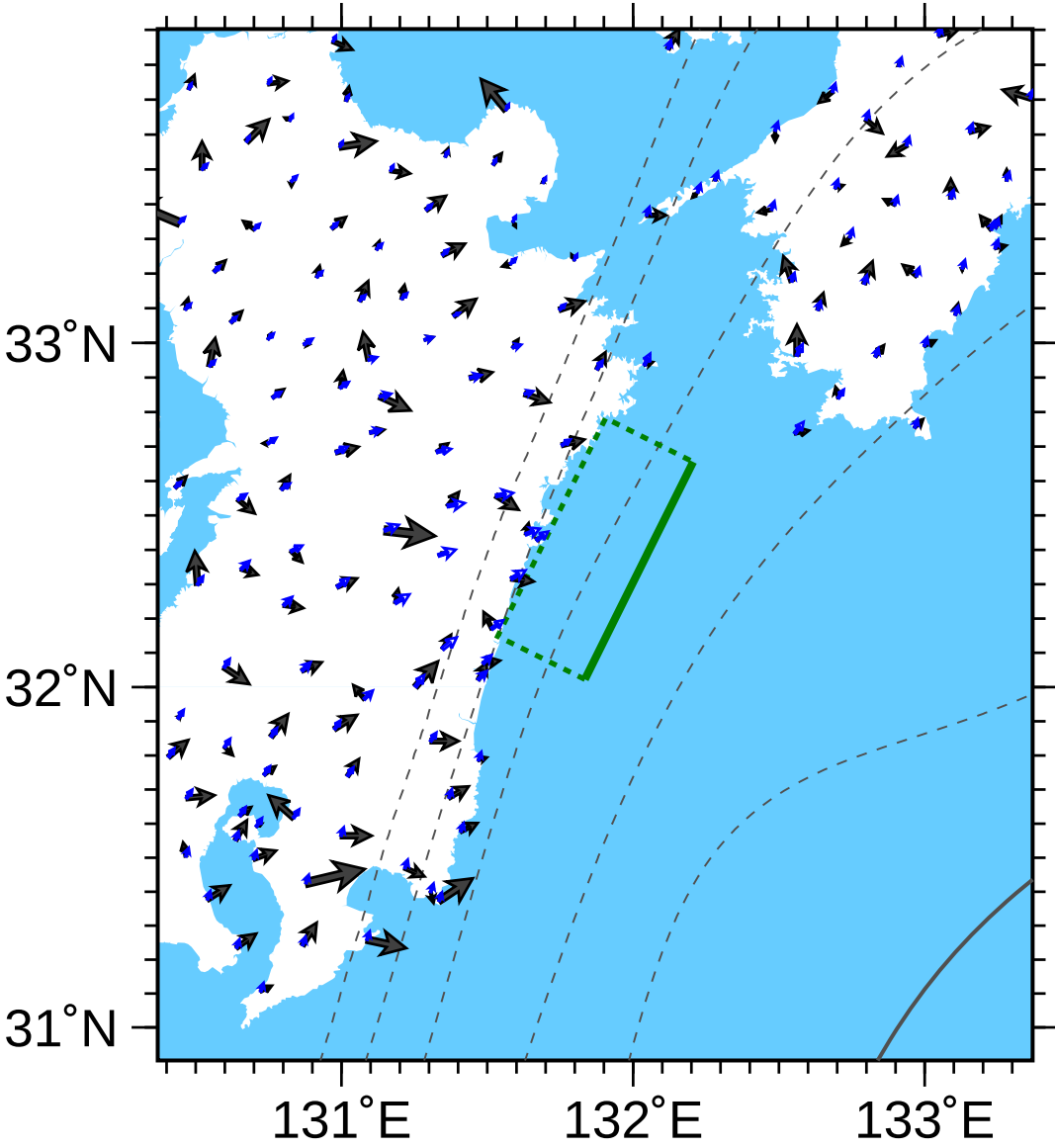
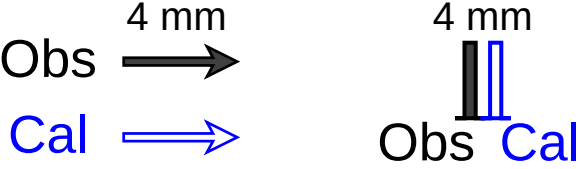
slp: 6.5 Mw: 6.14 CC: 0.575 RC2: 1.4730e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Mar-12-2004 class2 Duration: 5 days
len: 78.434 wid: 33.603 str: 206.431 dip: 20.414 rak: 105.443
slp: 5.5 Mw: 5.78 CC: 0.492 RC2: 5.2082e+01



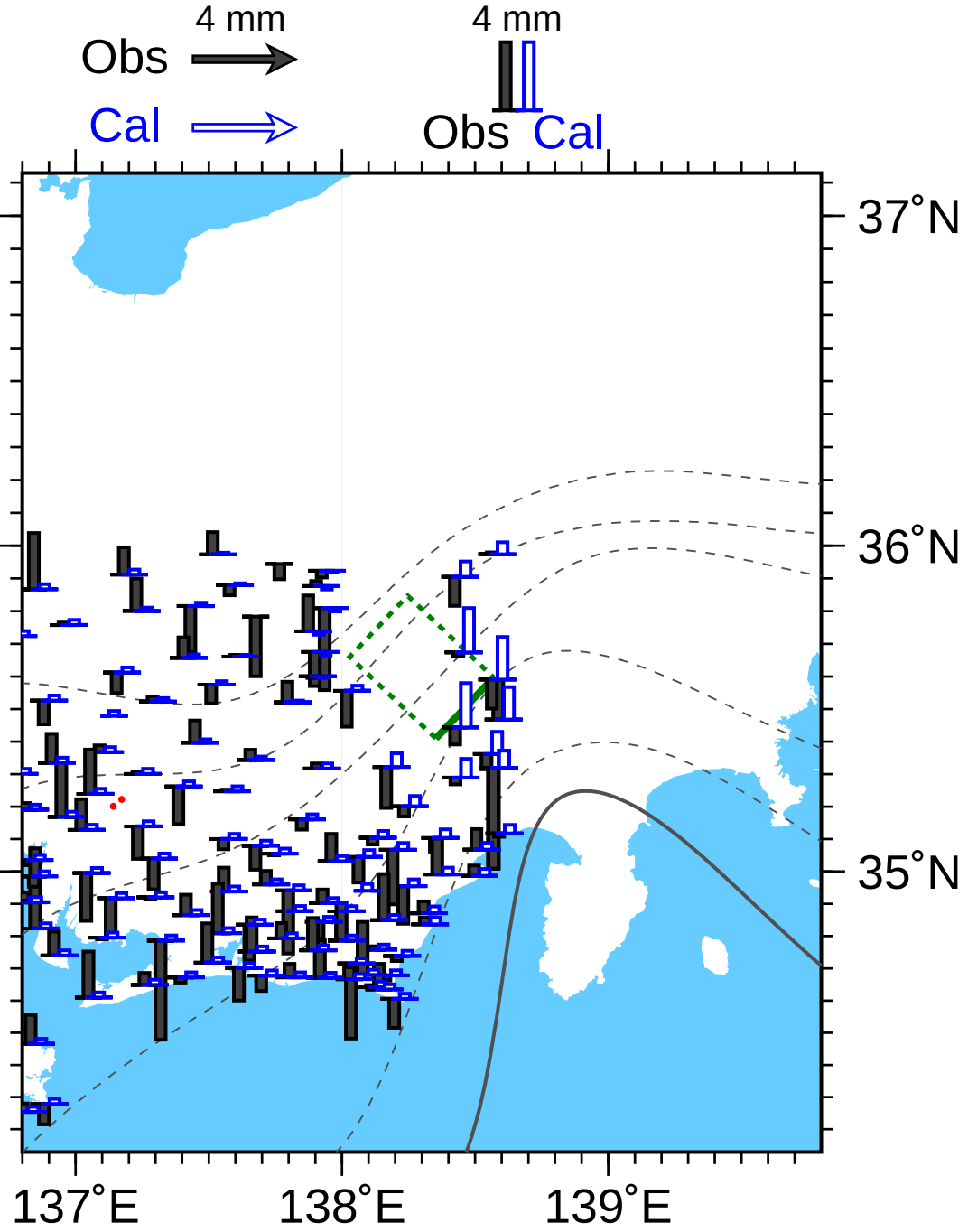
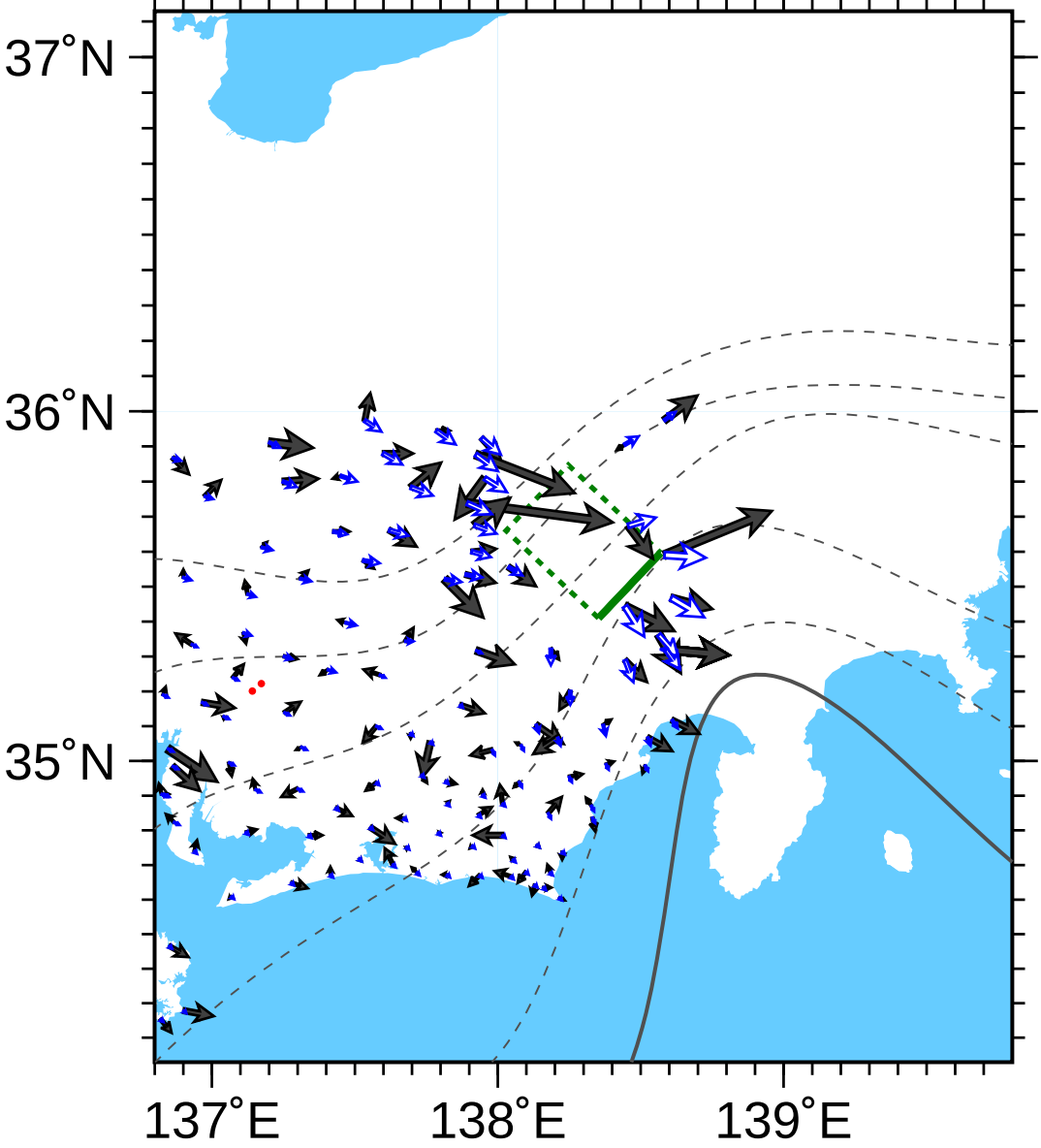
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jun-2-2004 class2 Duration: 16 days

len: 28.618 wid: 43.928 str: 223.483 dip: 23.209 rak: 106.485

slp: 15.5 Mw: 5.86 CC: 0.605 RC2: 7.5677e+01



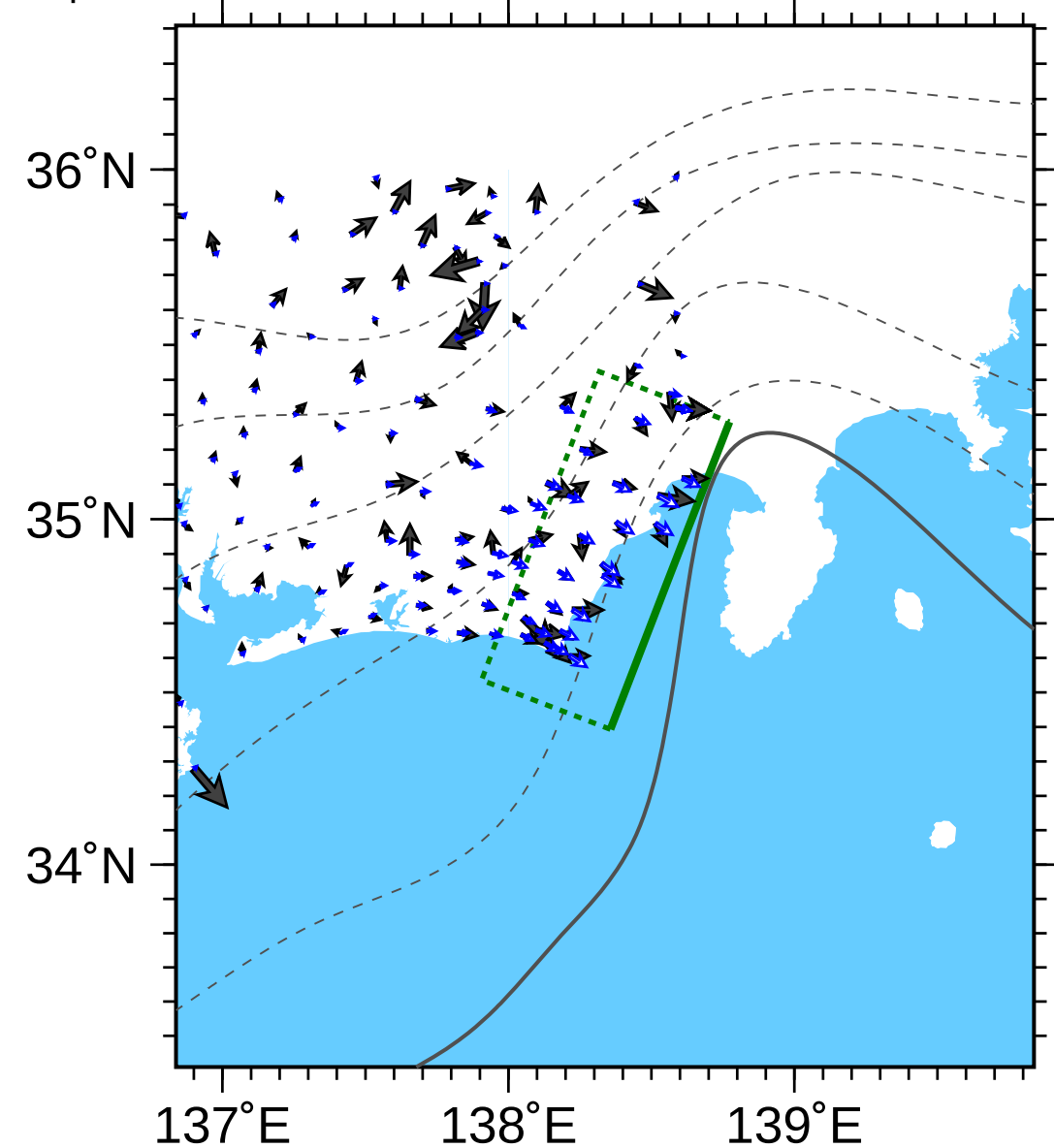
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



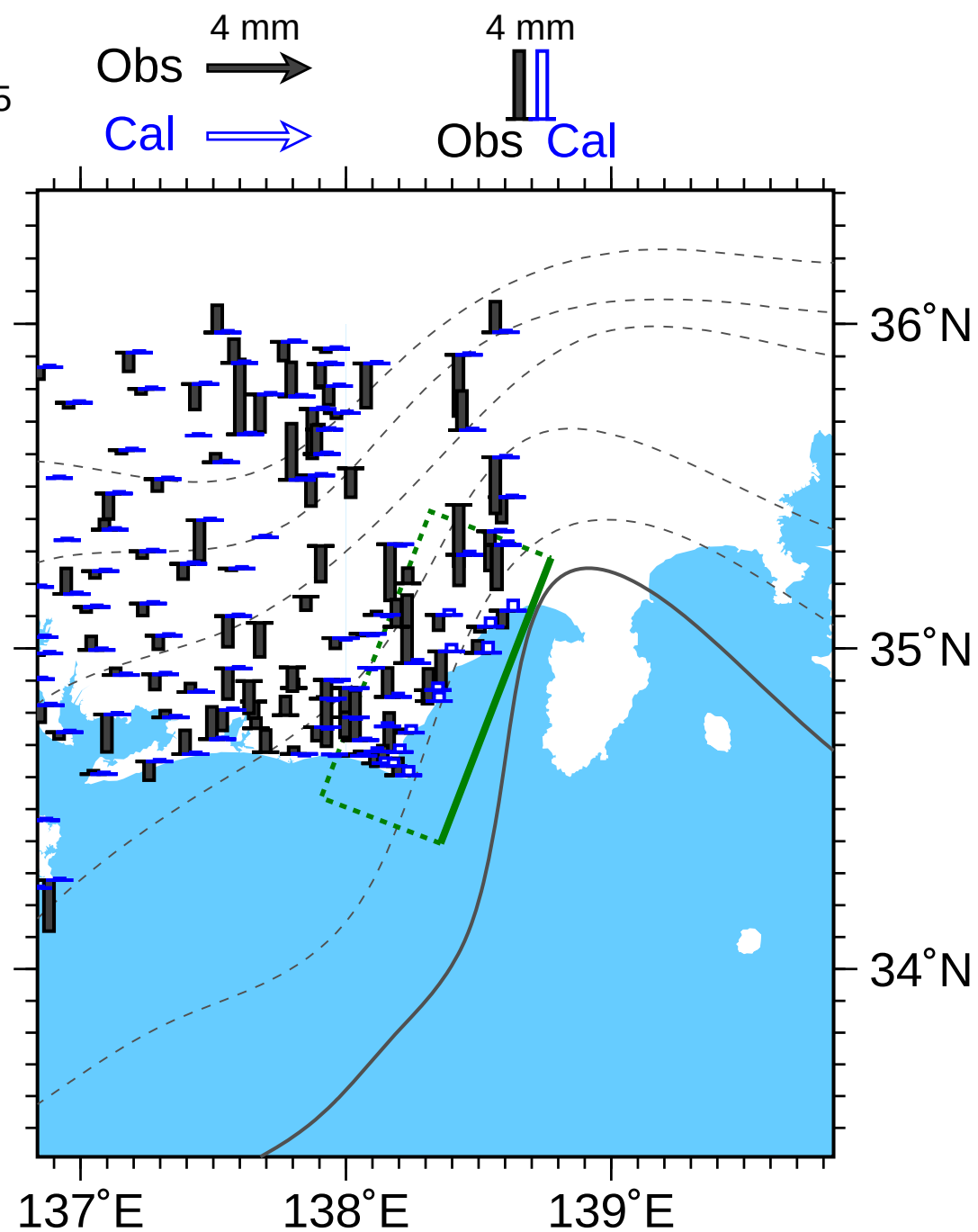
Date: Jan-21-2005 class2 Duration: 12 days

len: 105.457 wid: 46.865 str: 201.014 dip: 18.948 rak: 77.145

slp: 1.6 Mw: 5.61 CC: 0.506 RC2: 1.3334e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



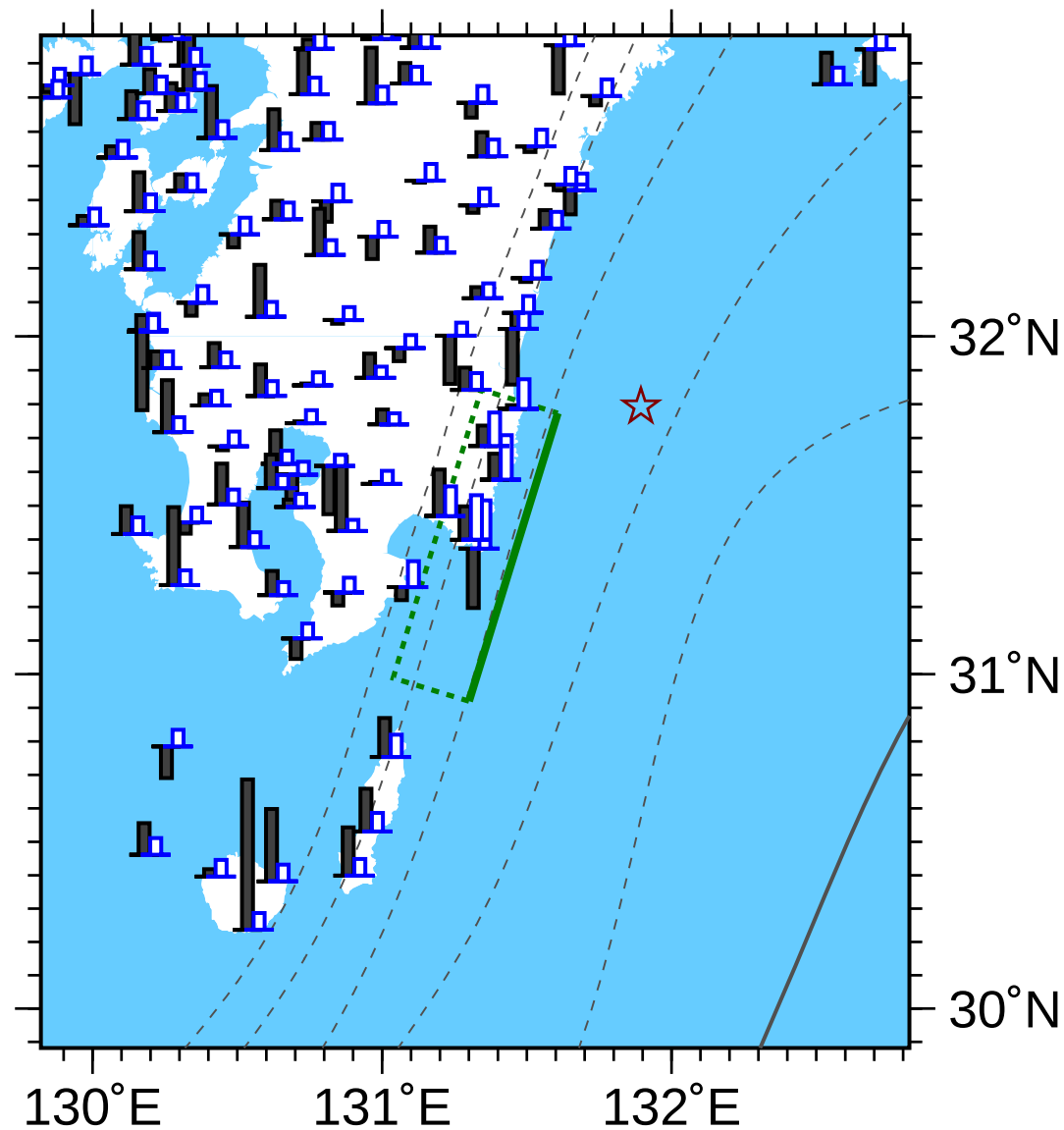
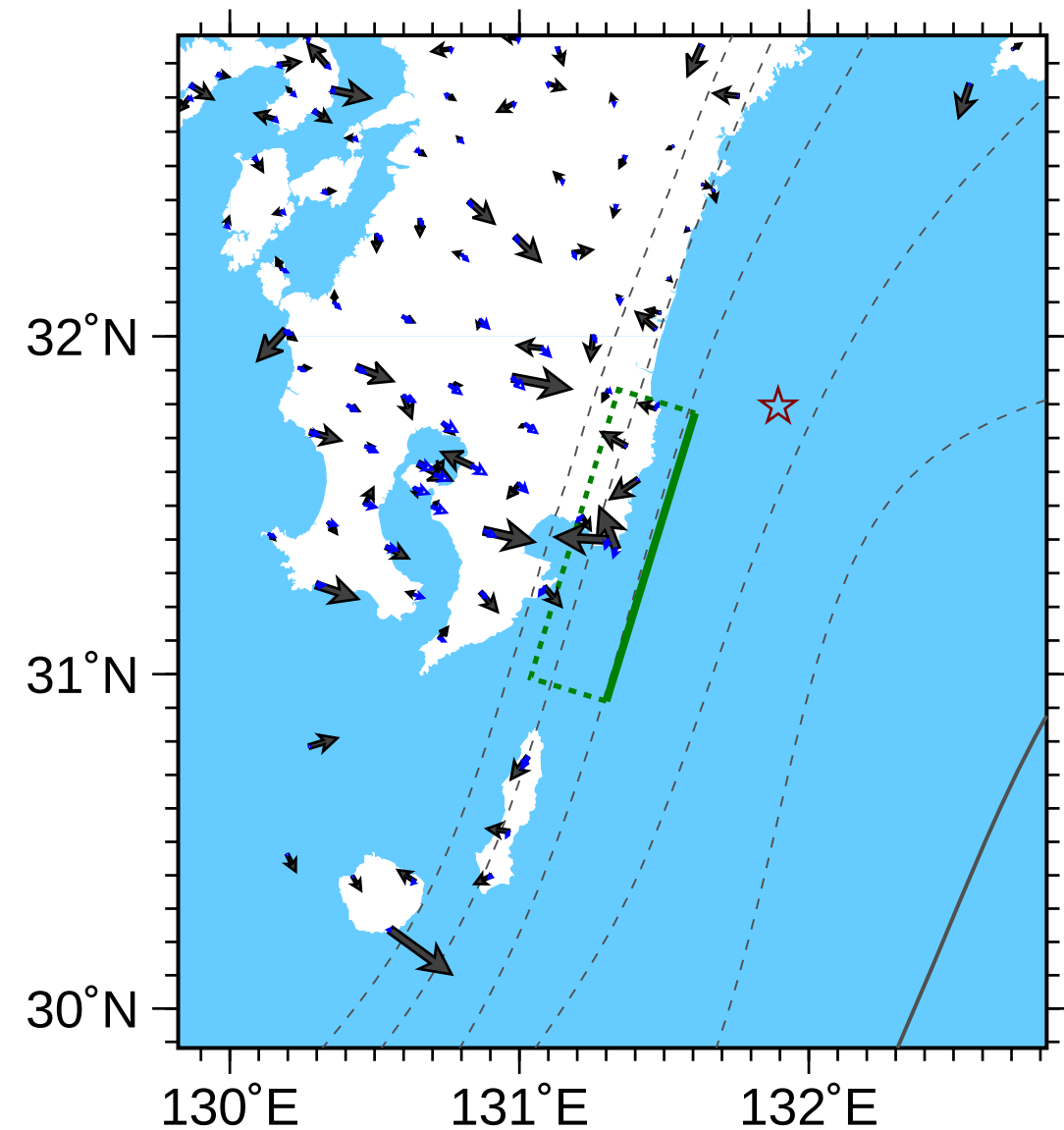
- 10
- 100
- 1000

Date: Feb-3-2005 class2 Duration: 3 days

len: 99.068 wid: 30.340 str: 197.044 dip: 30.202 rak: 72.138

slp: 8.4 Mw: 5.94 CC: 0.440 RC2: 8.9876e+01

4 mm
Obs 
Cal 
Obs  Cal 
4 mm



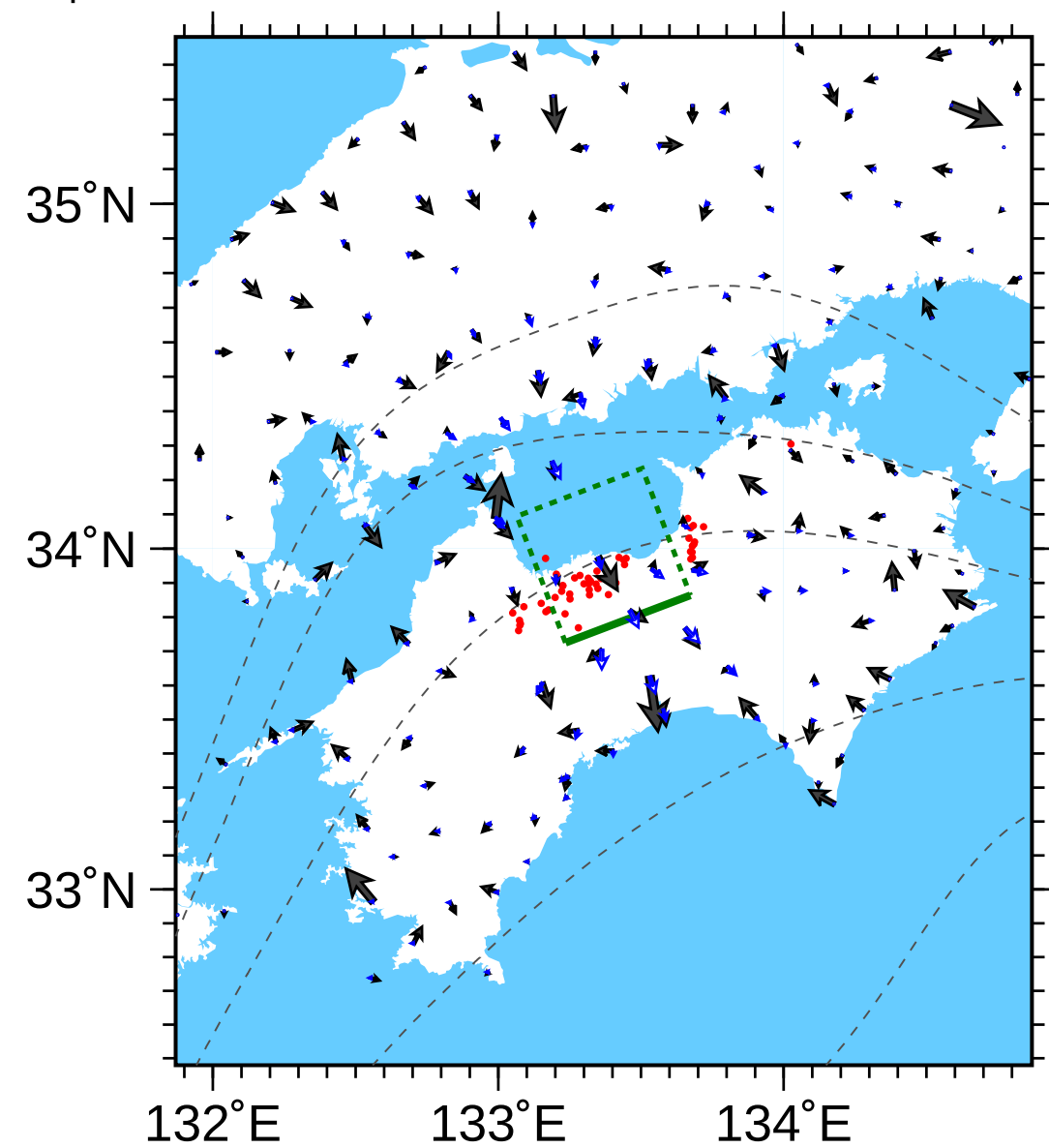
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

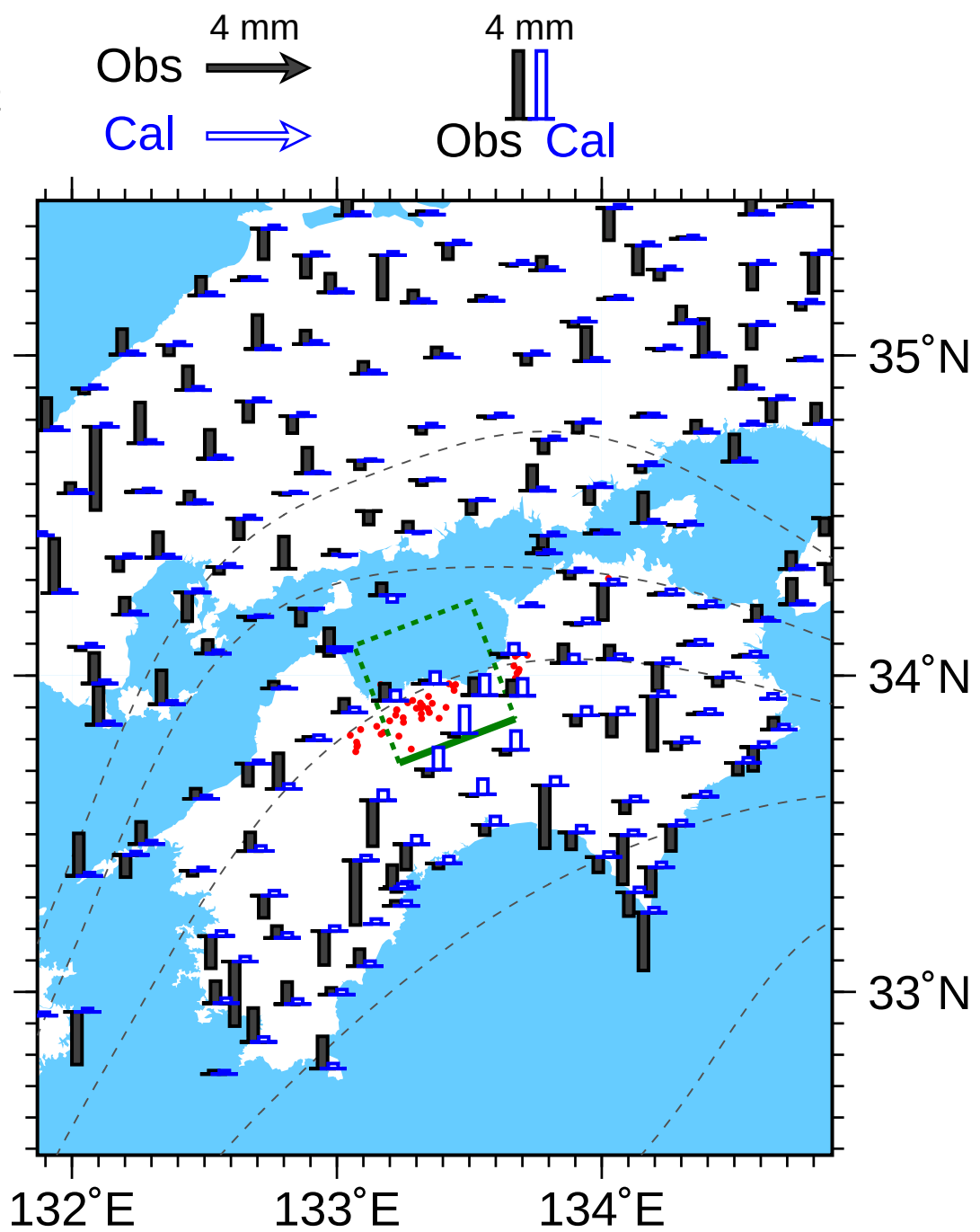
Date: Feb-16-2005 class2 Duration: 11 days

len: 43.350 wid: 44.740 str: 249.152 dip: 11.108 rak: 96.422

slp: 6.3 Mw: 5.73 CC: 0.530 RC2: 1.0949e+02

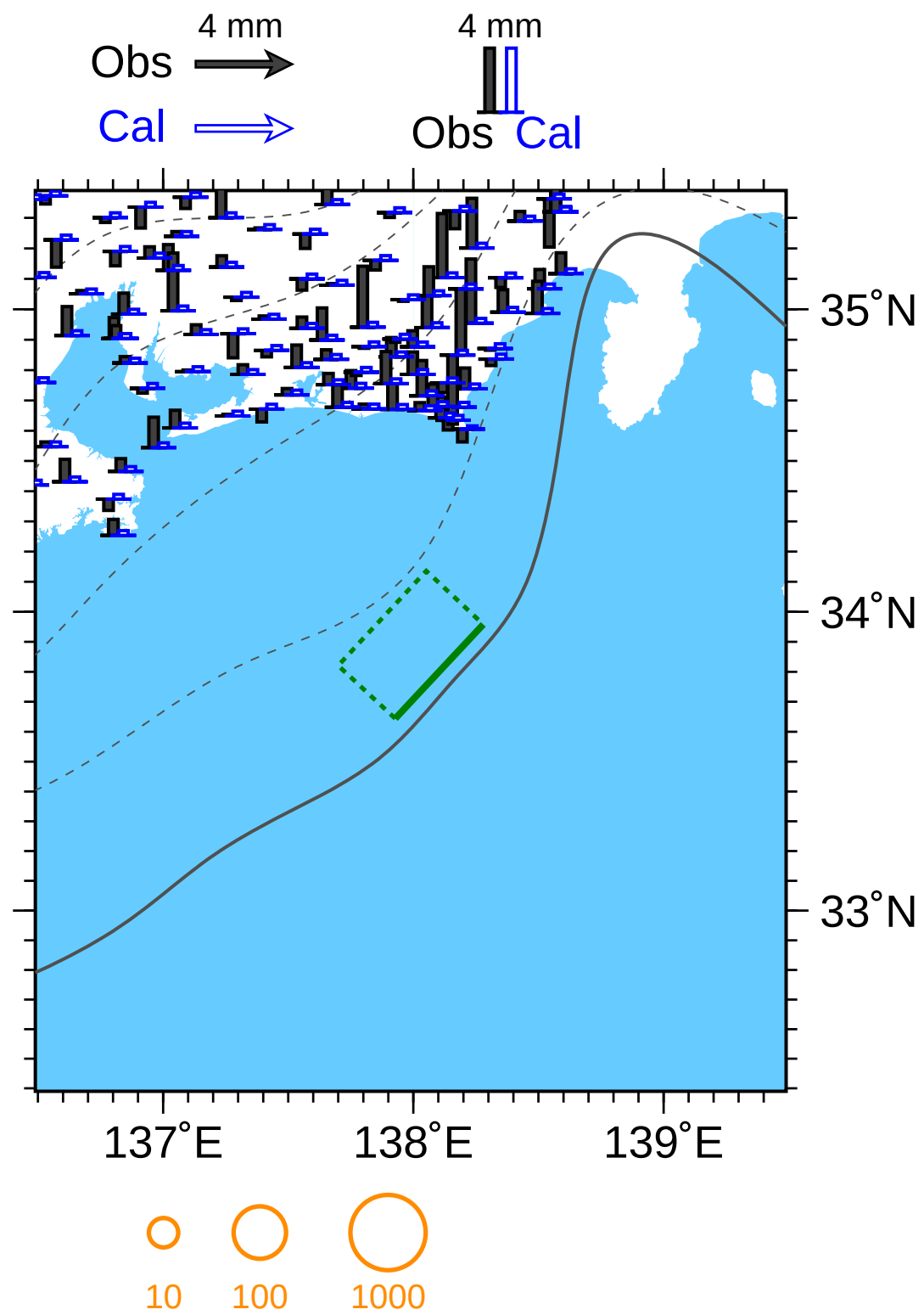


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



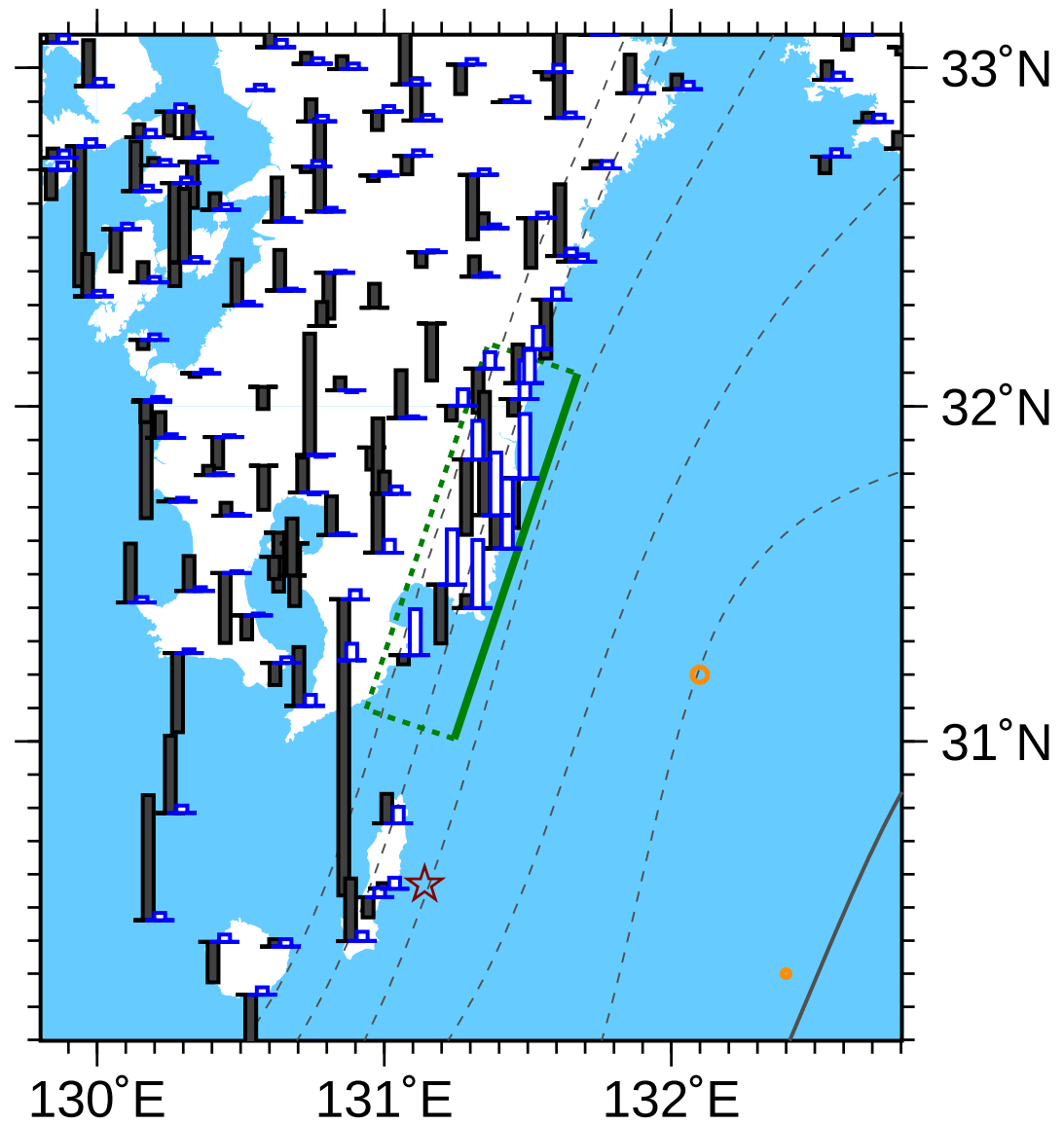
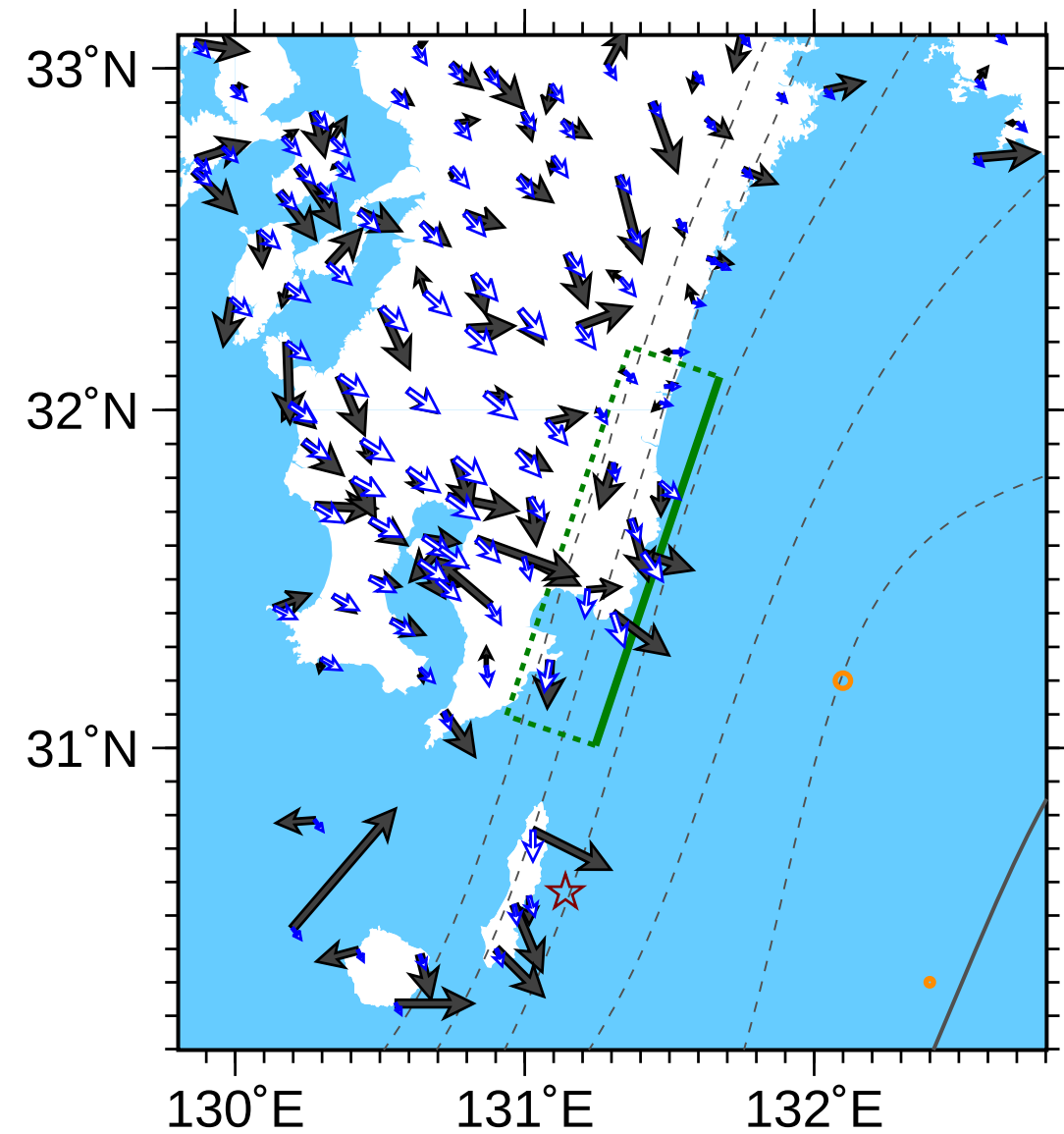
- 10
- 100
- 1000

Date: May-3-2005 class2 Duration: 8 days
len: 47.718 wid: 29.269 str: 223.027 dip: 9.920 rak: 72.407
slp: 31.4 Mw: 6.10 CC: 0.478 RC2: 7.2258e+01



Date: Jun-13-2005 class2 Duration: 30 days
len: 127.511 wid: 36.243 str: 198.505 dip: 31.364 rak: 72.126
slp: 13.8 Mw: 6.20 CC: 0.707 RC2: 1.4268e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



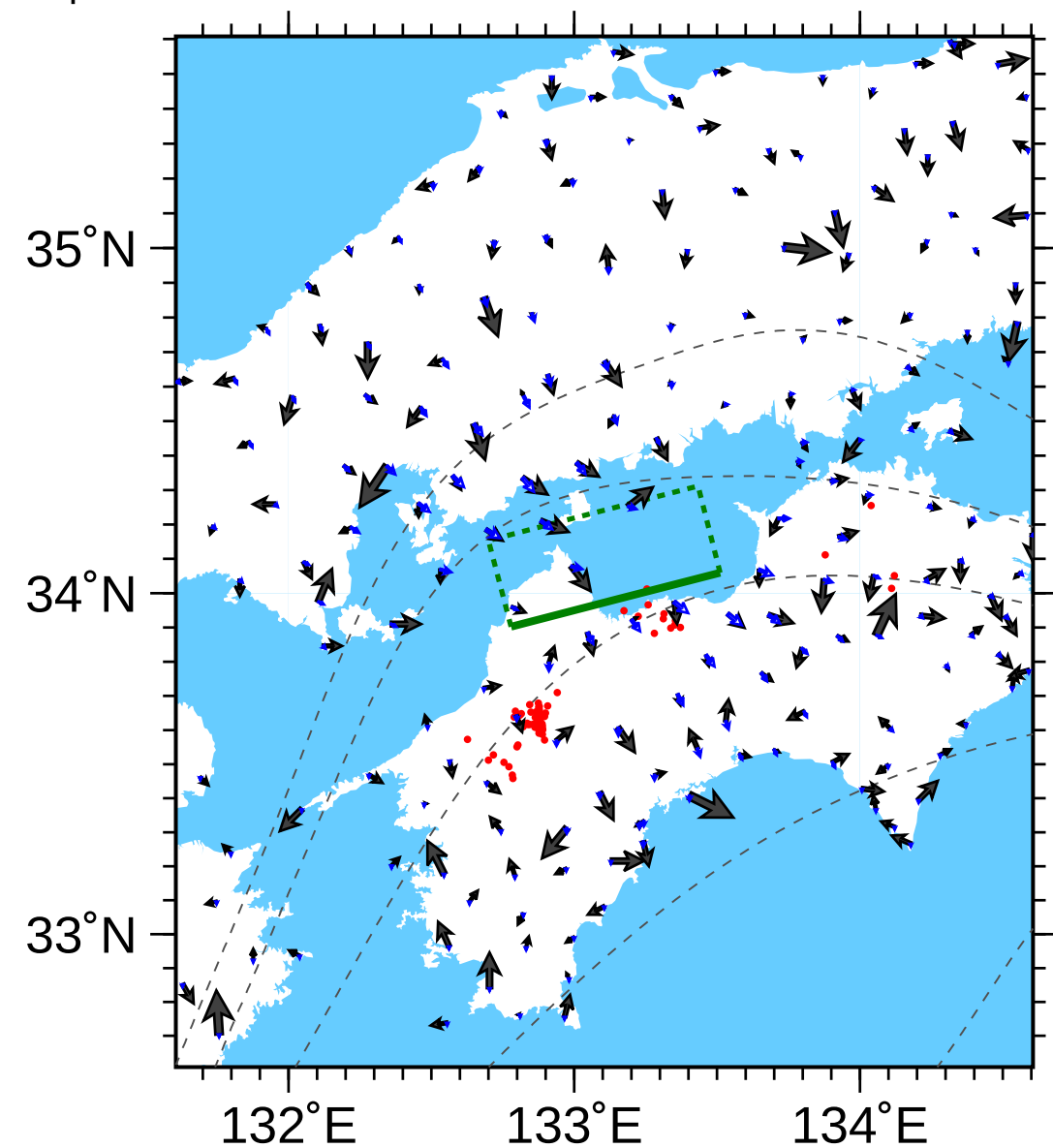
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

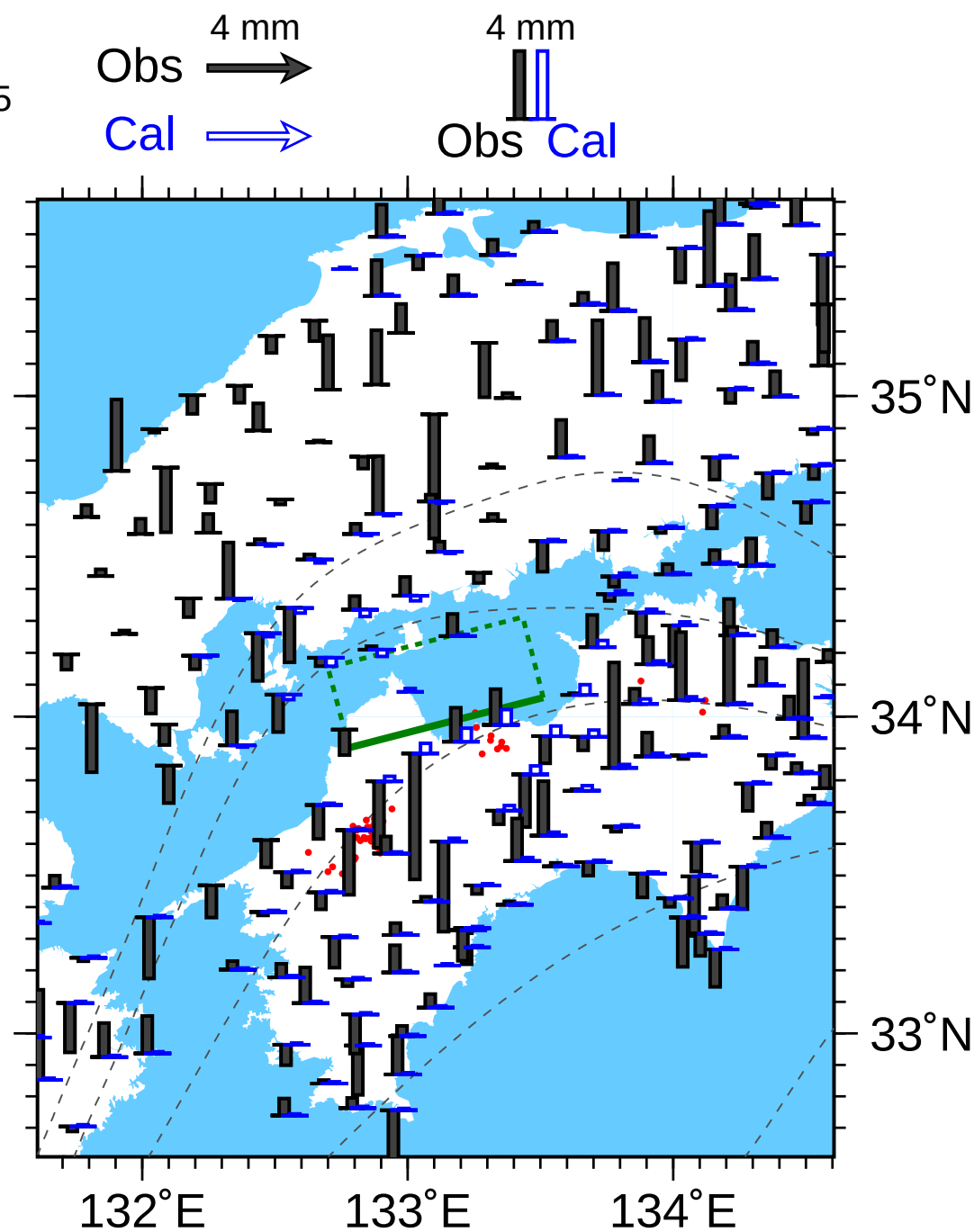
Date: Aug-28-2005 class2 Duration: 13 days

len: 69.826 wid: 29.374 str: 255.487 dip: 10.912 rak: 137.895

slp: 6.1 Mw: 5.73 CC: 0.498 RC2: 5.0239e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



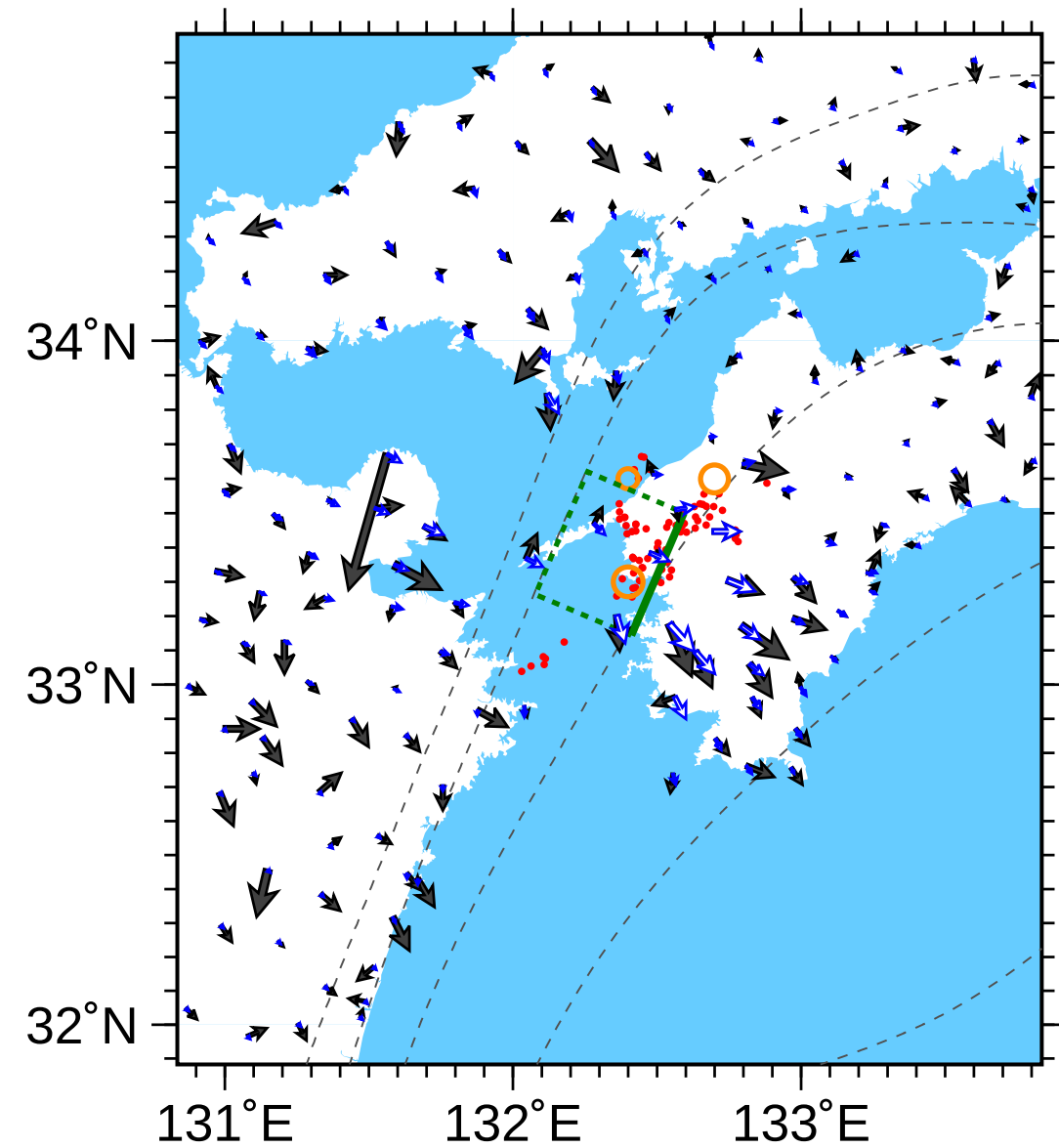
4 mm
Obs →
Cal →

4 mm
Obs Cal

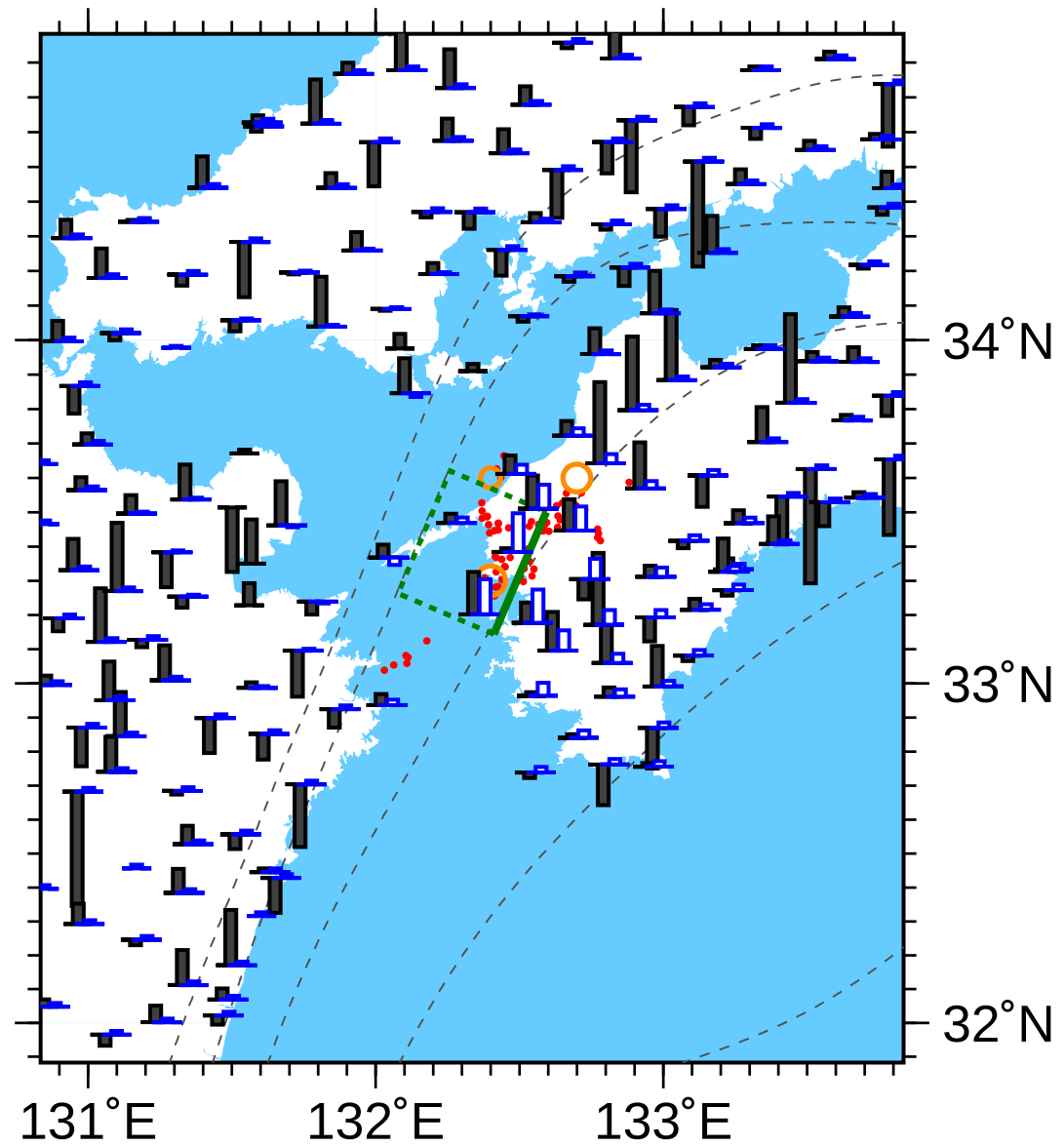
○ ○ ○
10 100 1000

Date: Oct-29-2005 class2 Duration: 15 days
len: 43.057 wid: 34.799 str: 203.128 dip: 14.119 rak: 77.512
slp: 12.5 Mw: 5.85 CC: 0.679 RC2: 1.0054e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



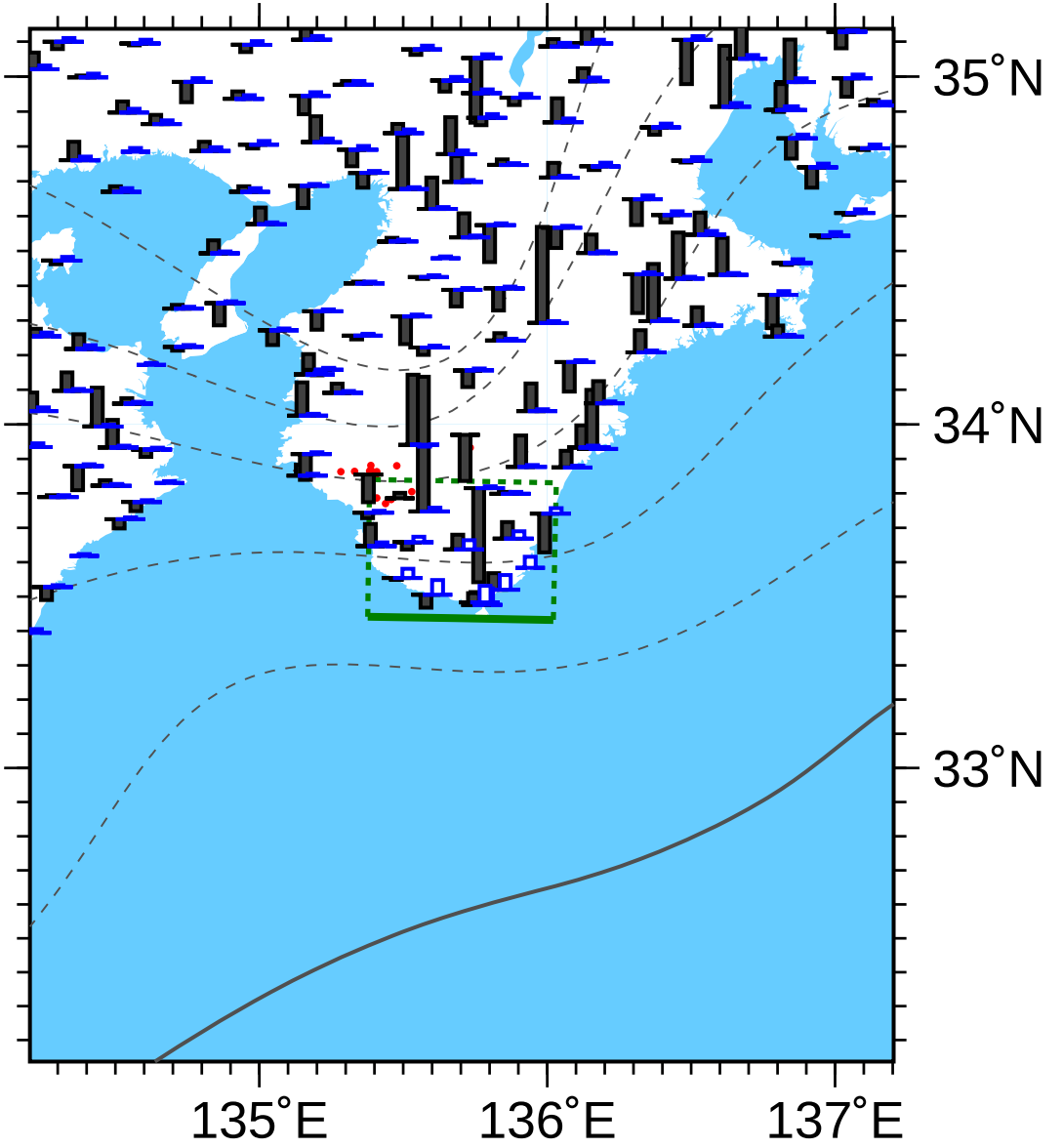
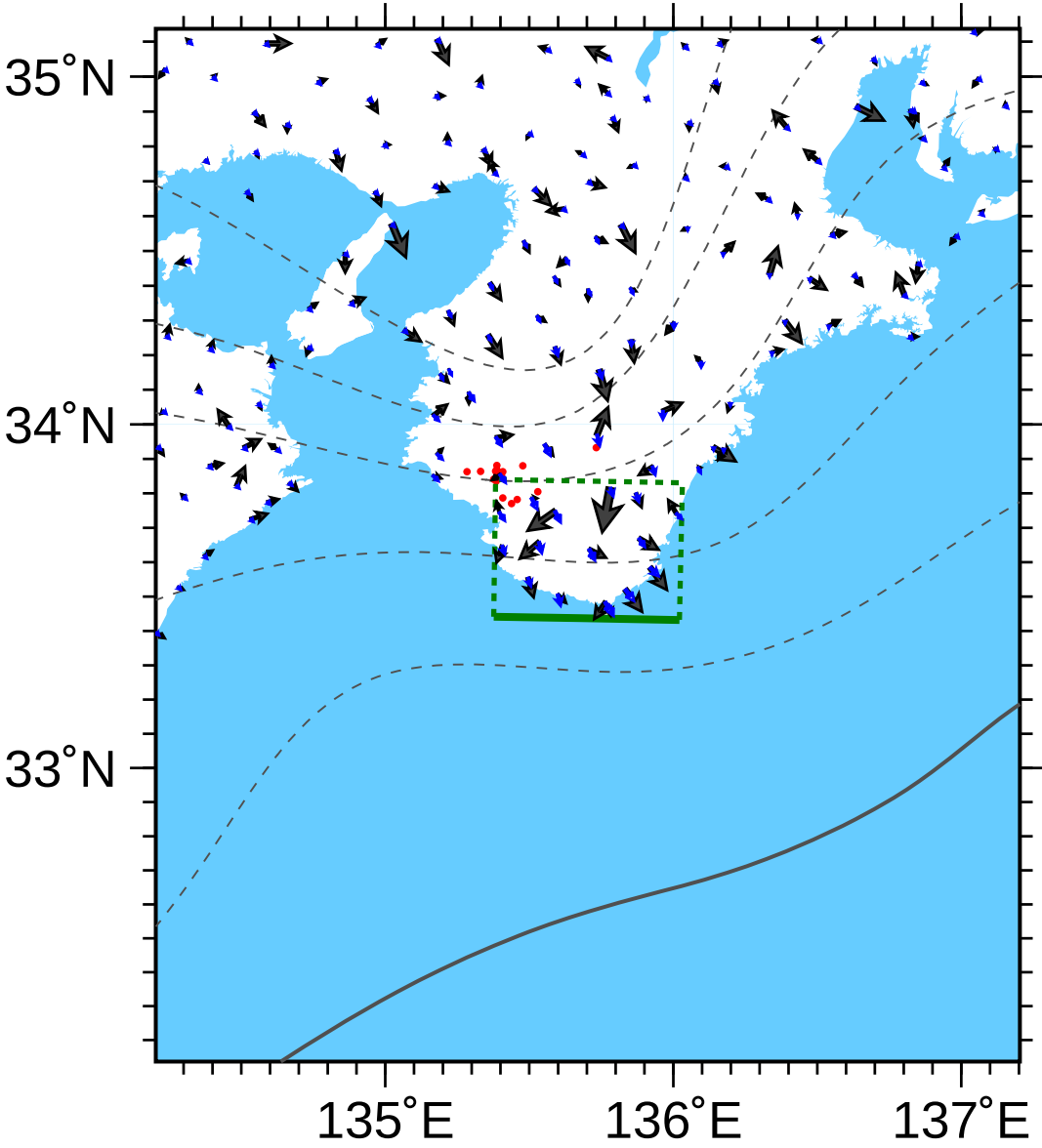
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



○ ○ ○
10 100 1000

Date: Mar-18-2006 class2 Duration: 4 days
len: 59.994 wid: 46.608 str: 271.007 dip: 18.535 rak: 108.683
slp: 2 Mw: 5.50 CC: 0.565 RC2: 5.3380e+01

4 mm
Obs  4 mm
Cal  Obs Cal



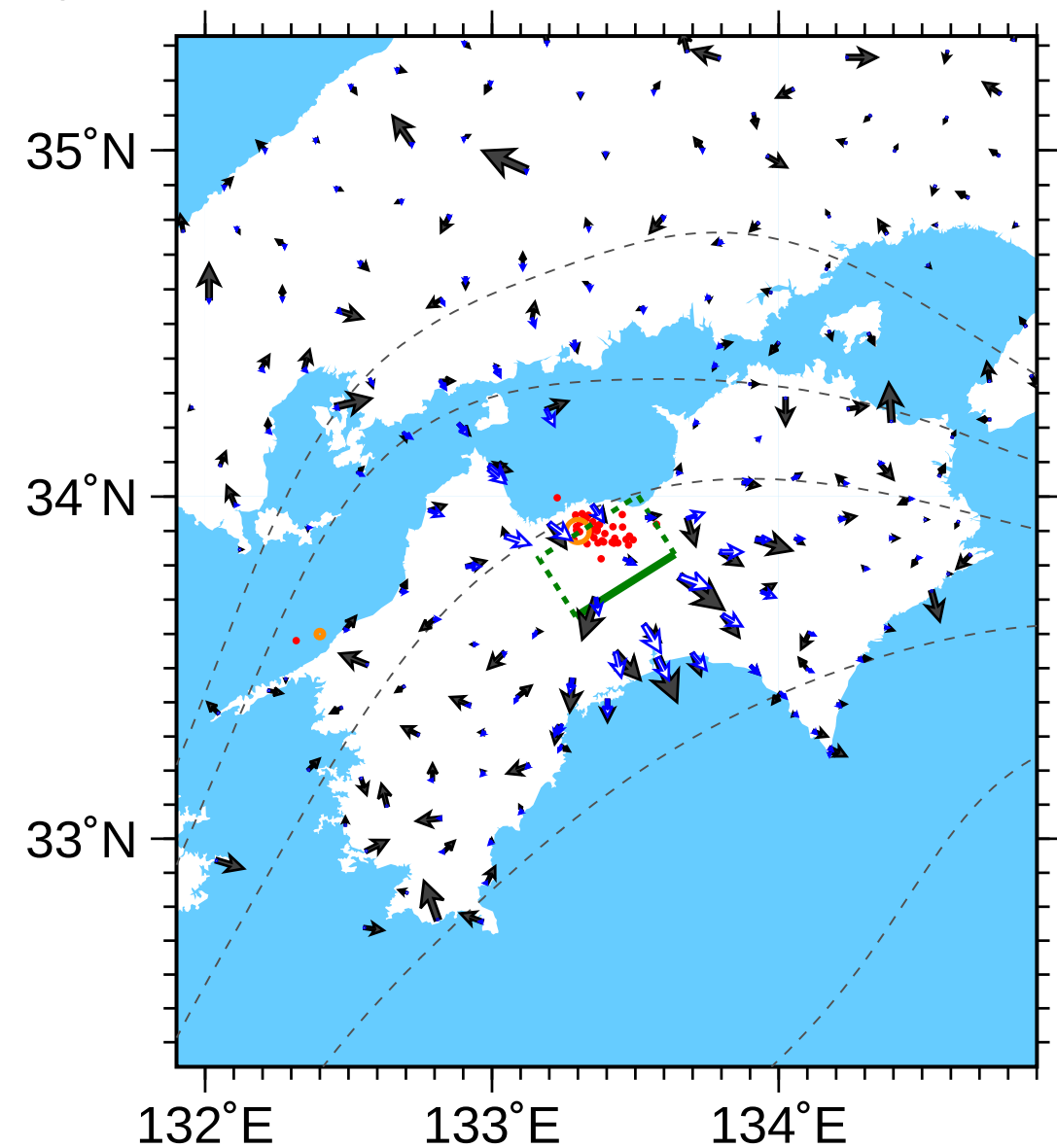
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

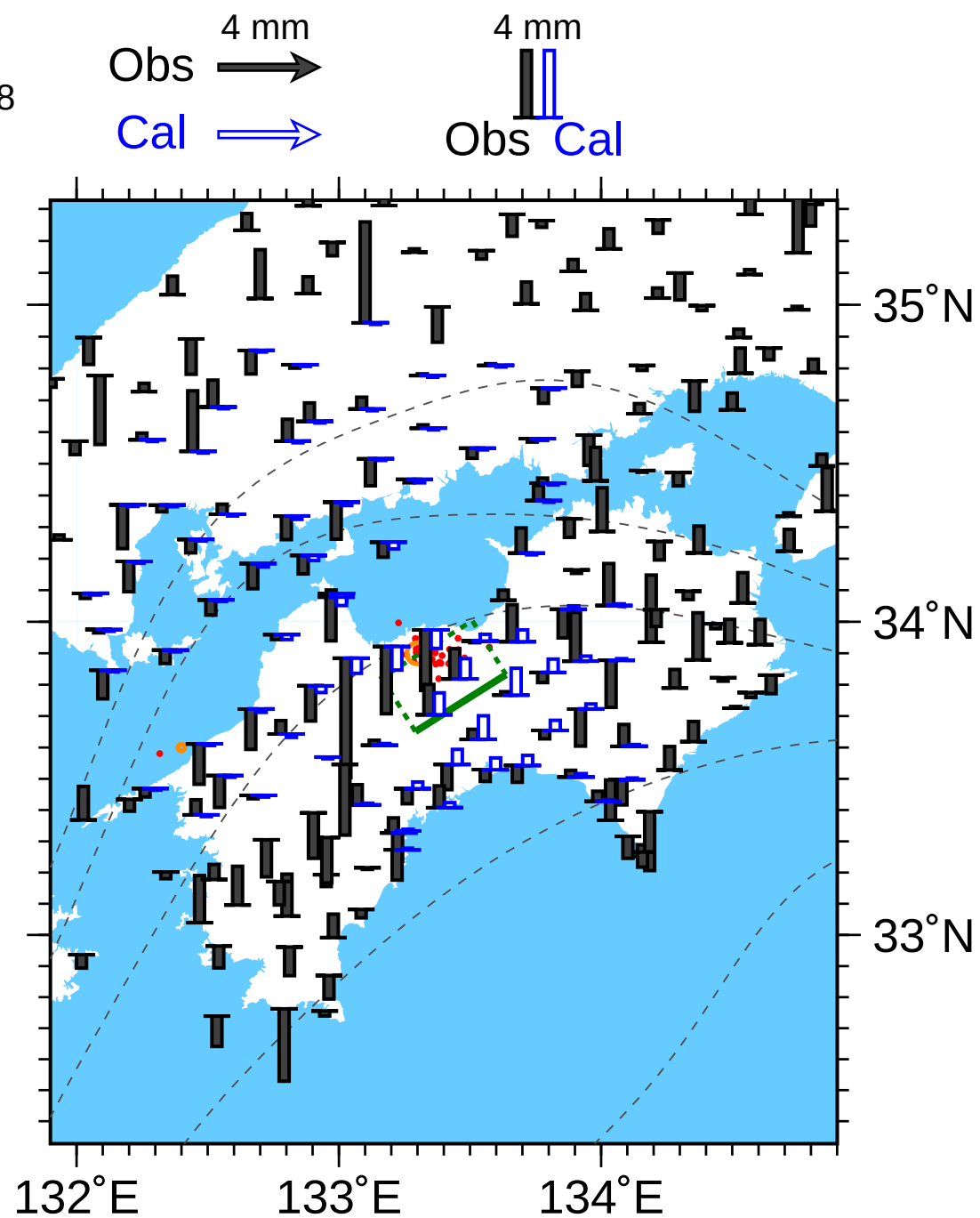
Date: Jun-2-2006 class2 Duration: 7 days

len: 37.794 wid: 22.590 str: 237.856 dip: 6.842 rak: 105.278

slp: 16.4 Mw: 5.77 CC: 0.586 RC2: 1.3528e+02



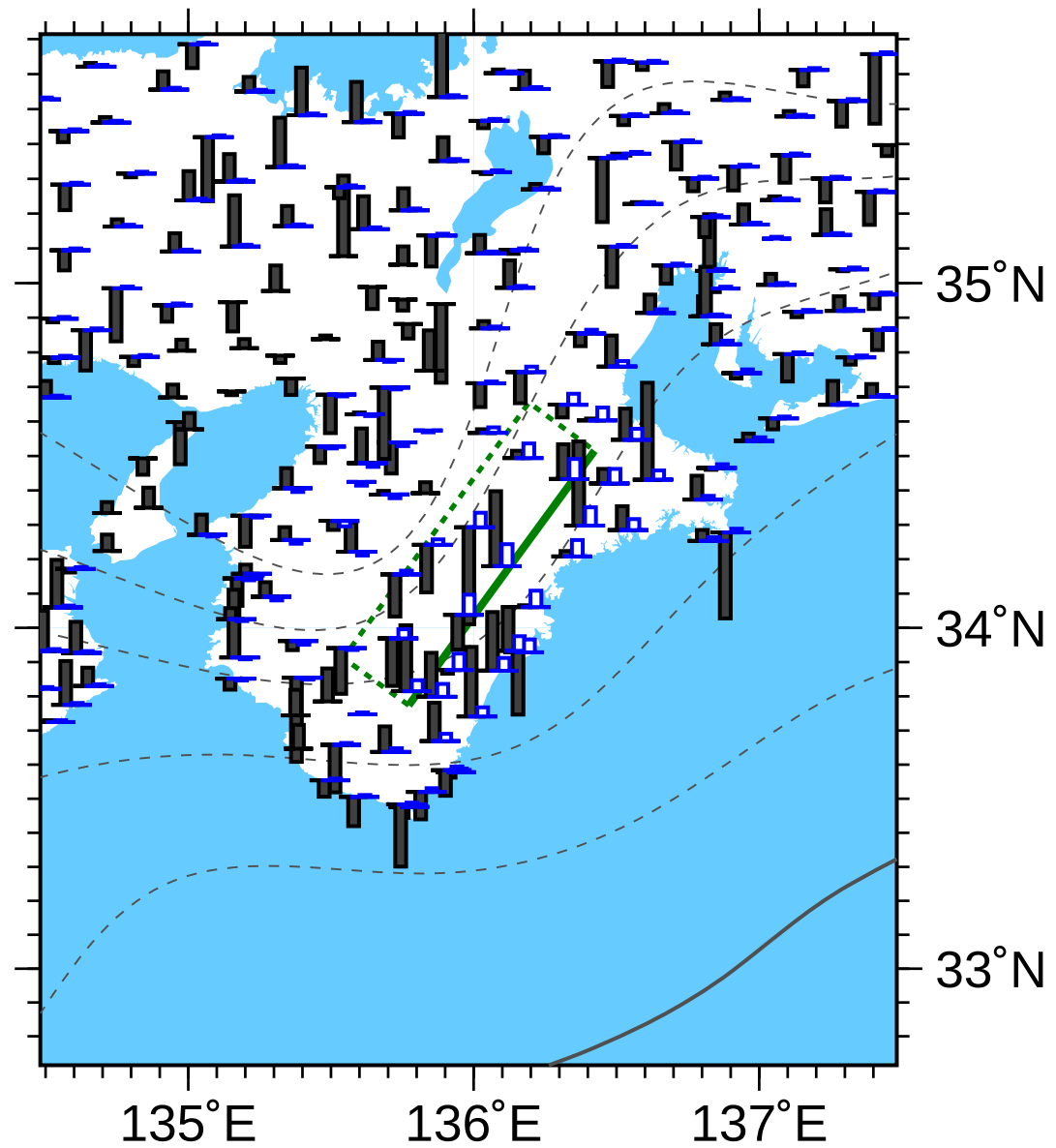
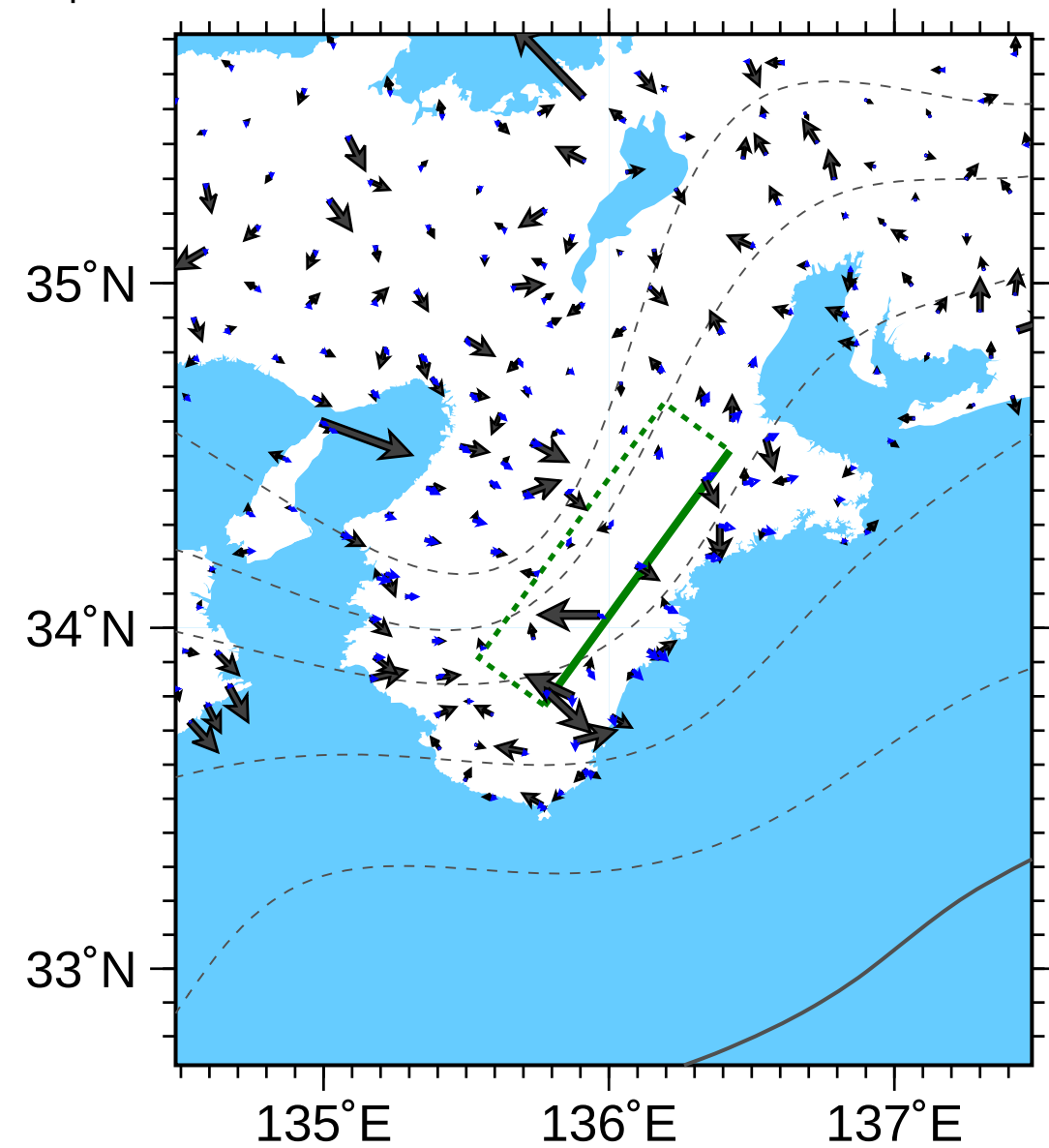
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Jun-15-2006 class2 Duration: 1 days
len: 101.824 wid: 28.230 str: 216.072 dip: 22.060 rak: 114.267
slp: 6.1 Mw: 5.83 CC: 0.490 RC2: 1.1712e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

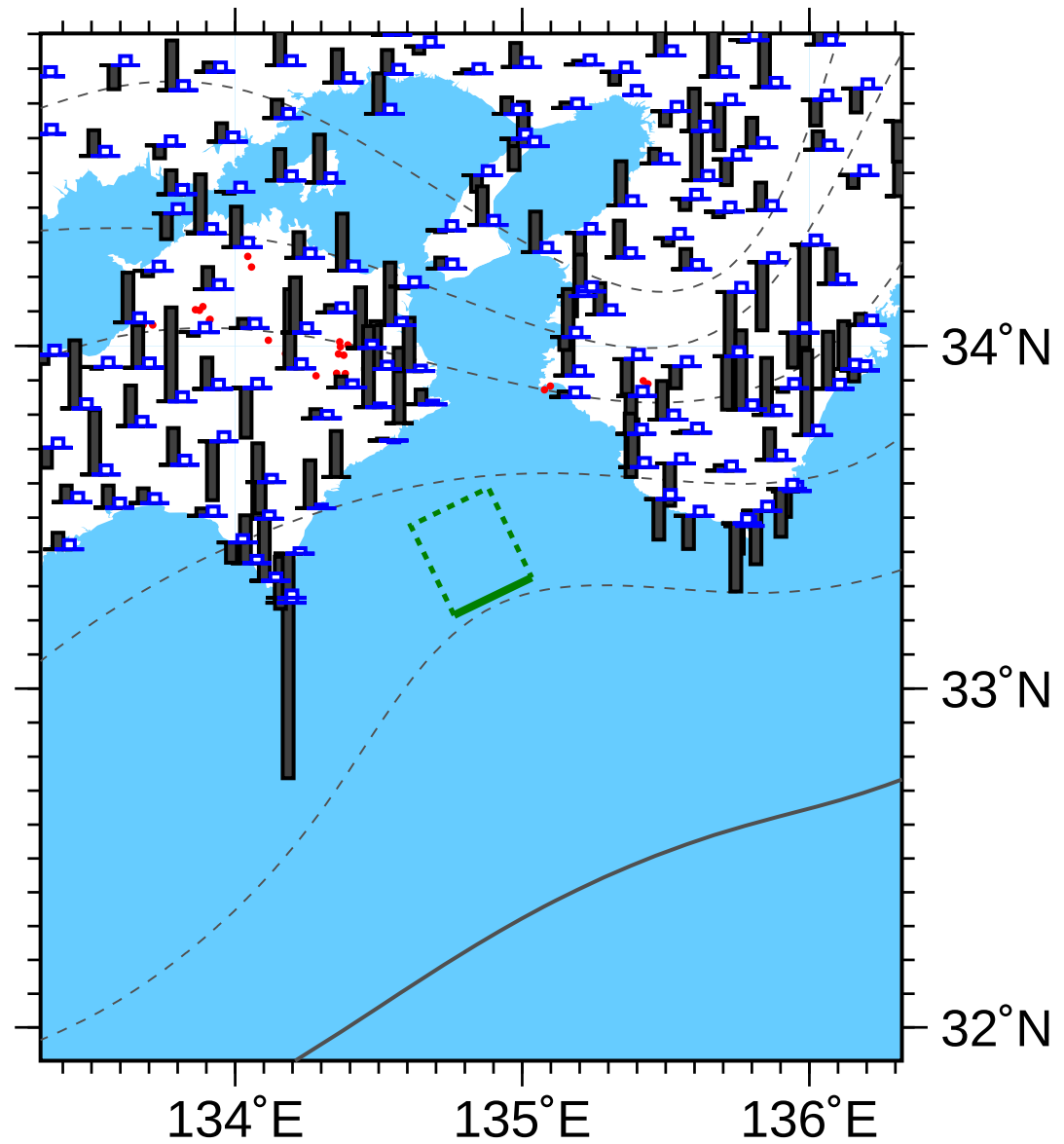
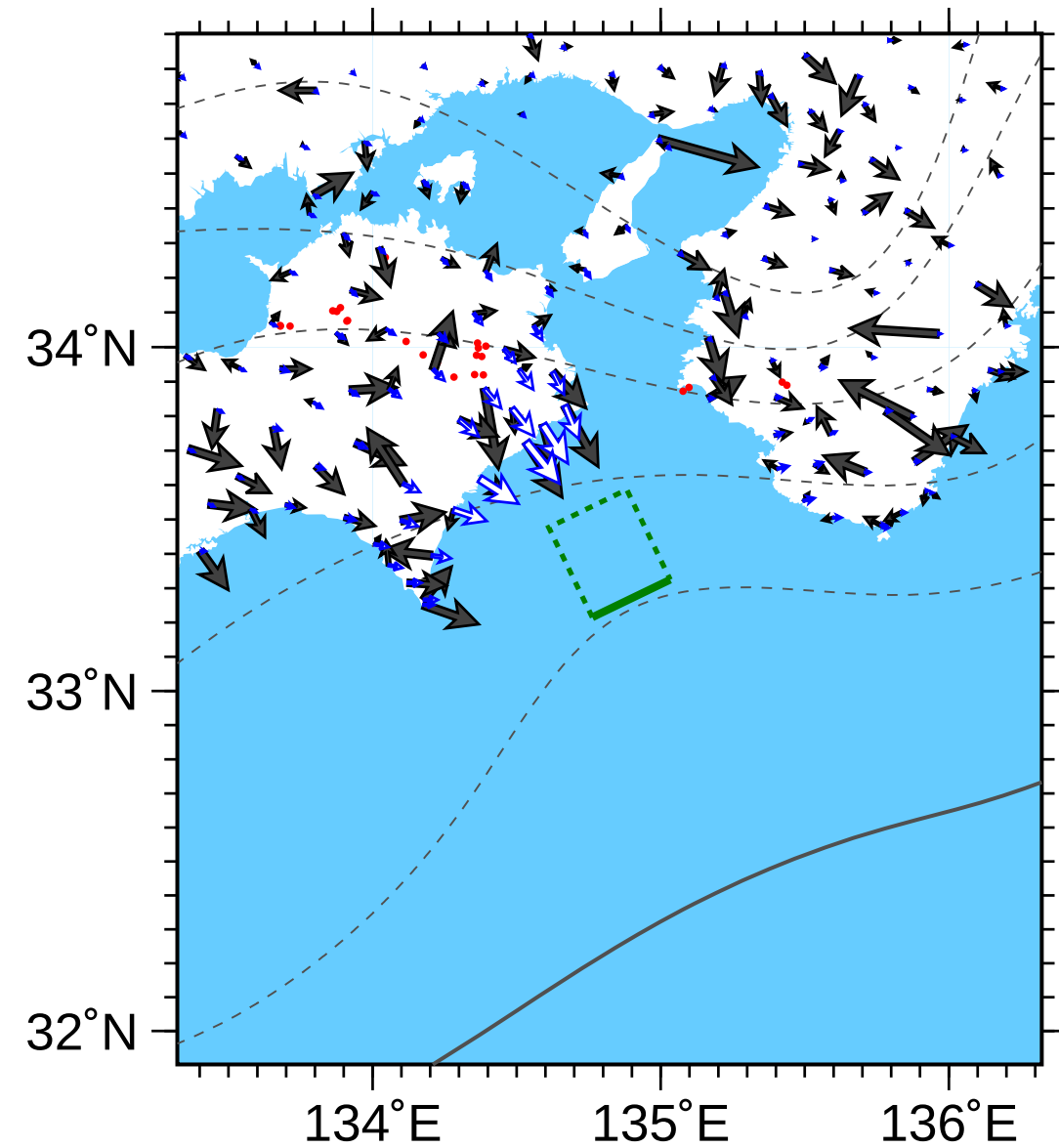


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jun-20-2006 class2 Duration: 20 days
len: 27.978 wid: 33.201 str: 244.173 dip: 13.777 rak: 117.778
slp: 23.7 Mw: 5.90 CC: 0.655 RC2: 9.5169e+01

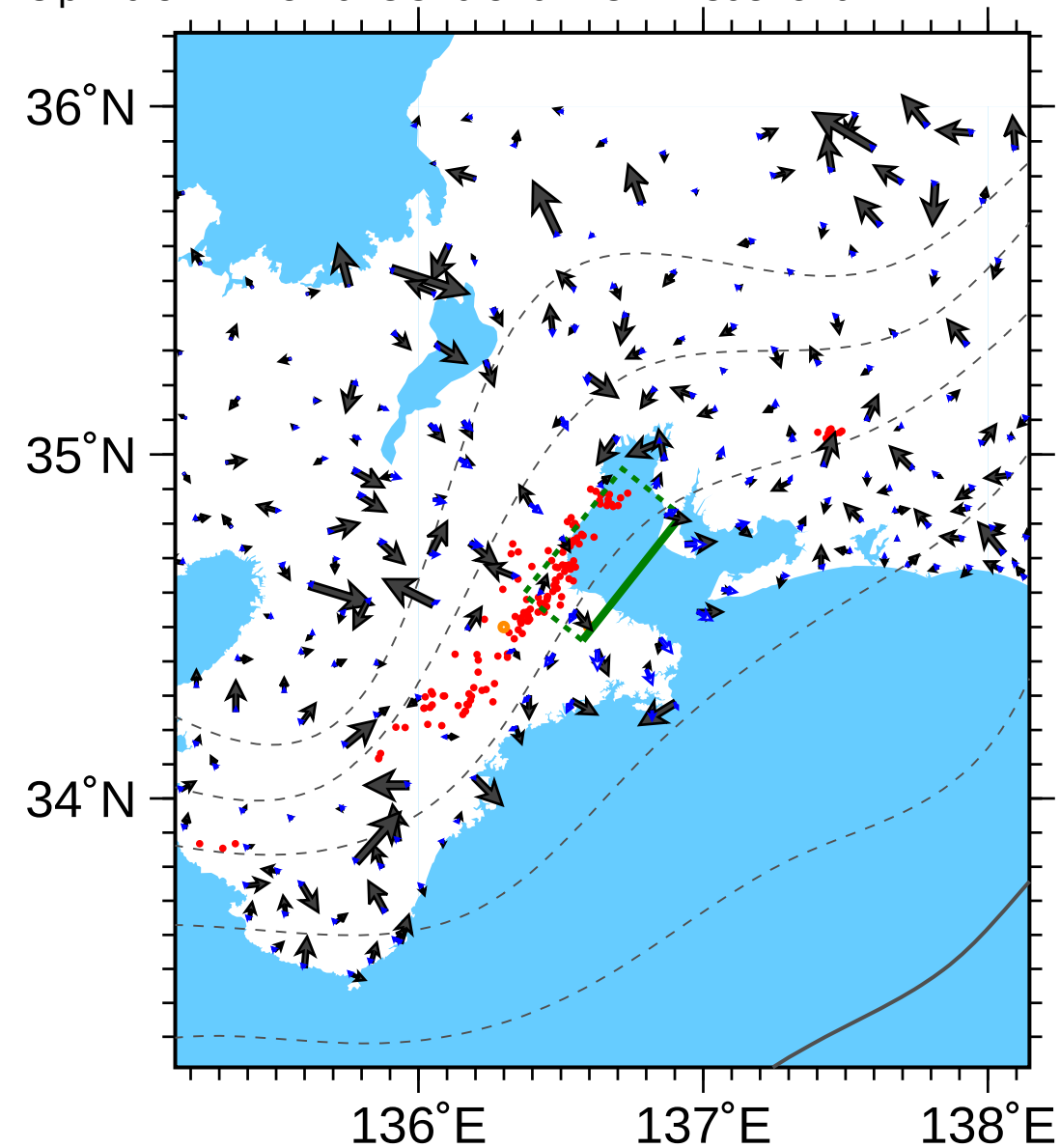
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



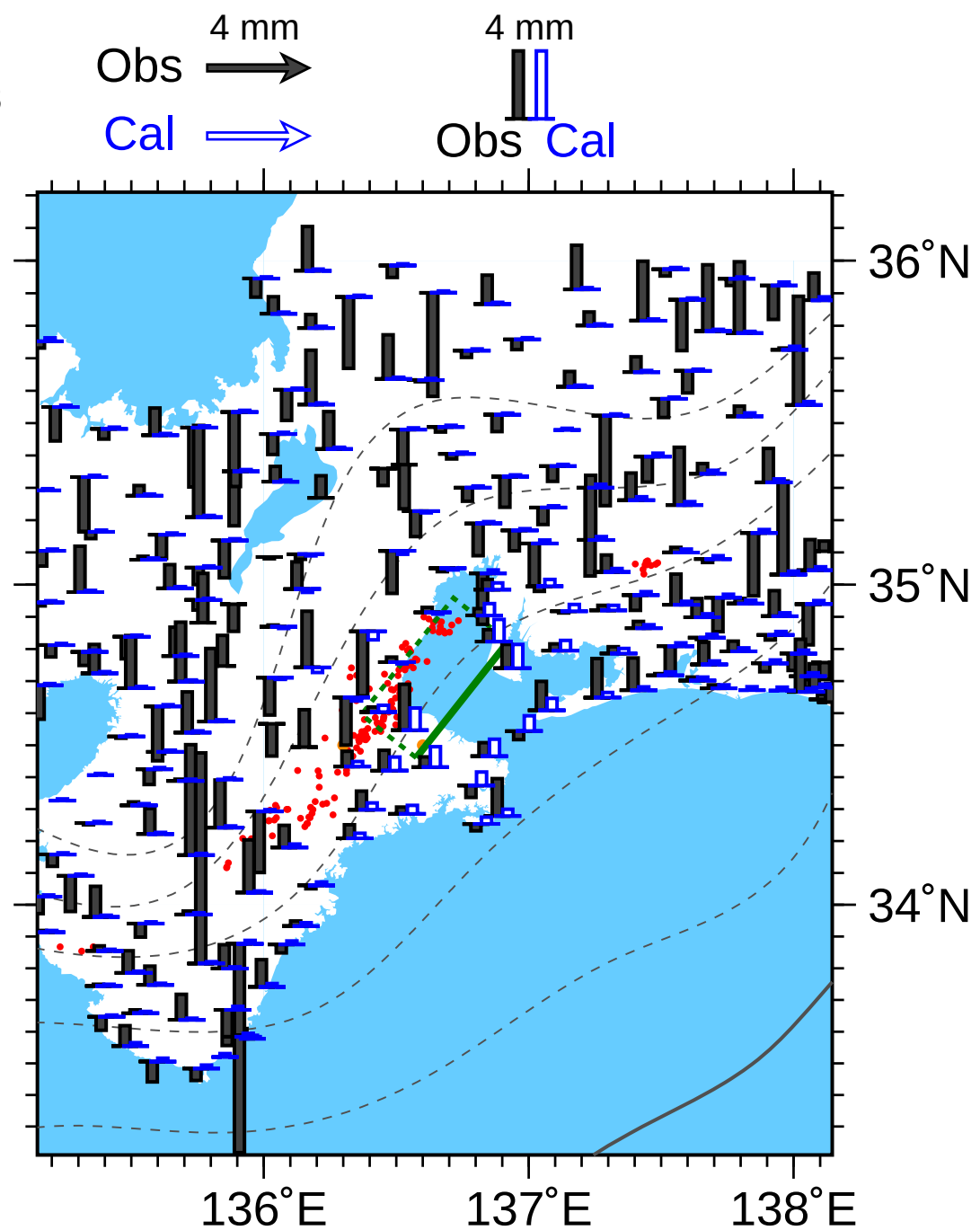
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Nov-11-2006 class2 Duration: 12 days
len: 51.315 wid: 25.183 str: 218.364 dip: 16.428 rak: 88.443
slp: 10.5 Mw: 5.76 CC: 0.546 RC2: 1.3931e+02



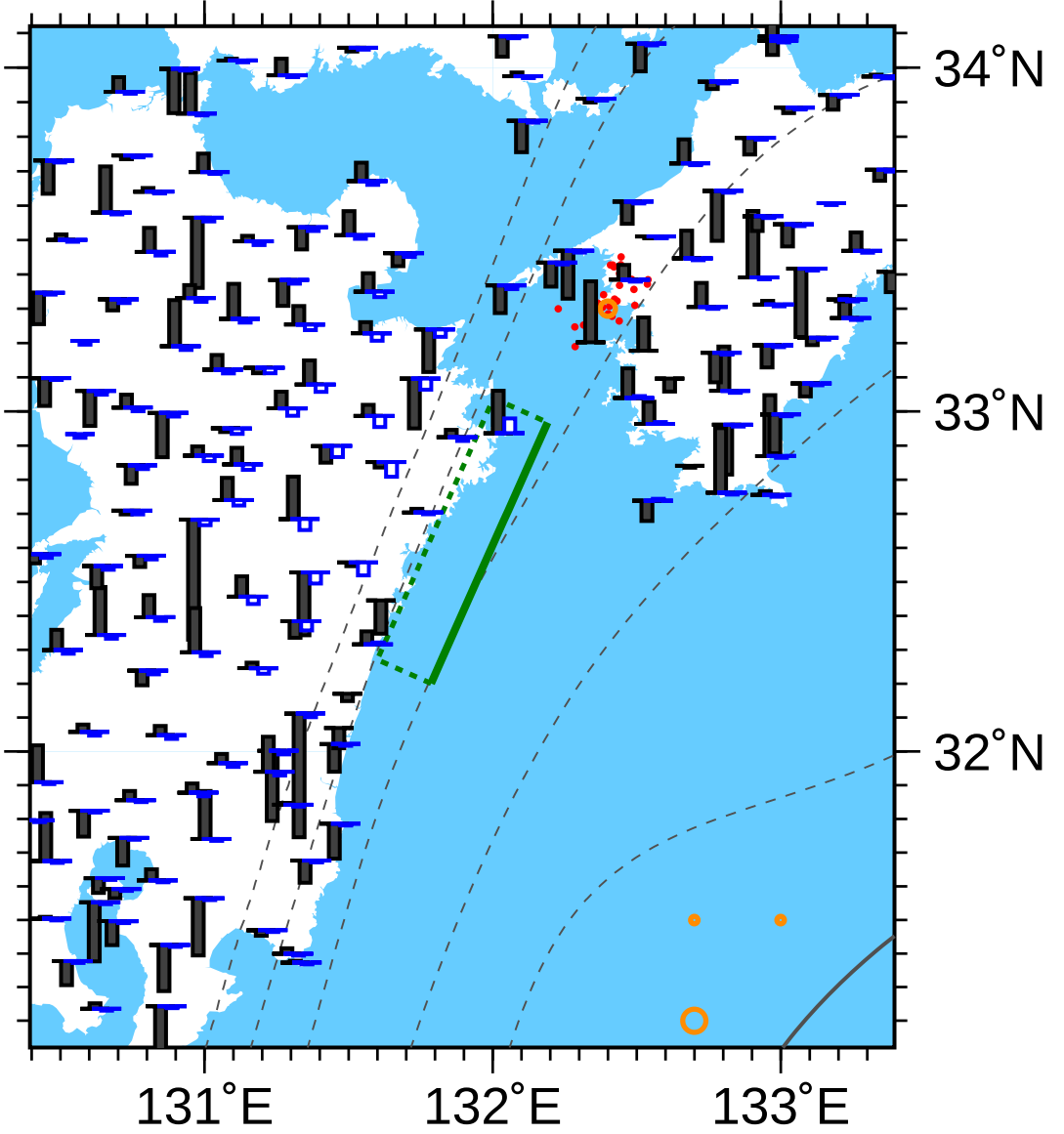
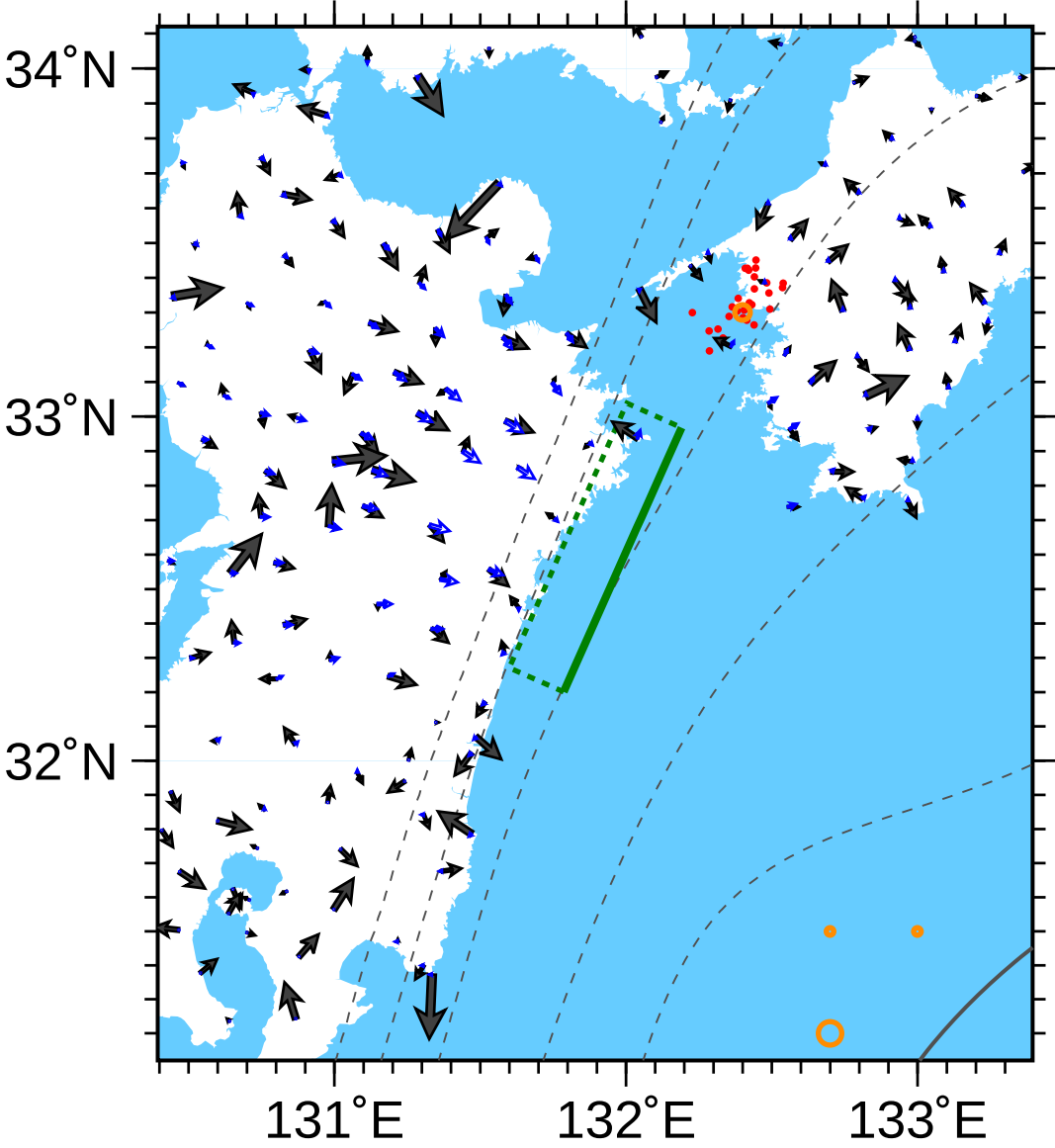
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Nov-21-2006 class2 Duration: 2 days
len: 93.169 wid: 20.656 str: 204.017 dip: 21.440 rak: 85.385
slp: 13 Mw: 5.93 CC: 0.579 RC2: 1.4558e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



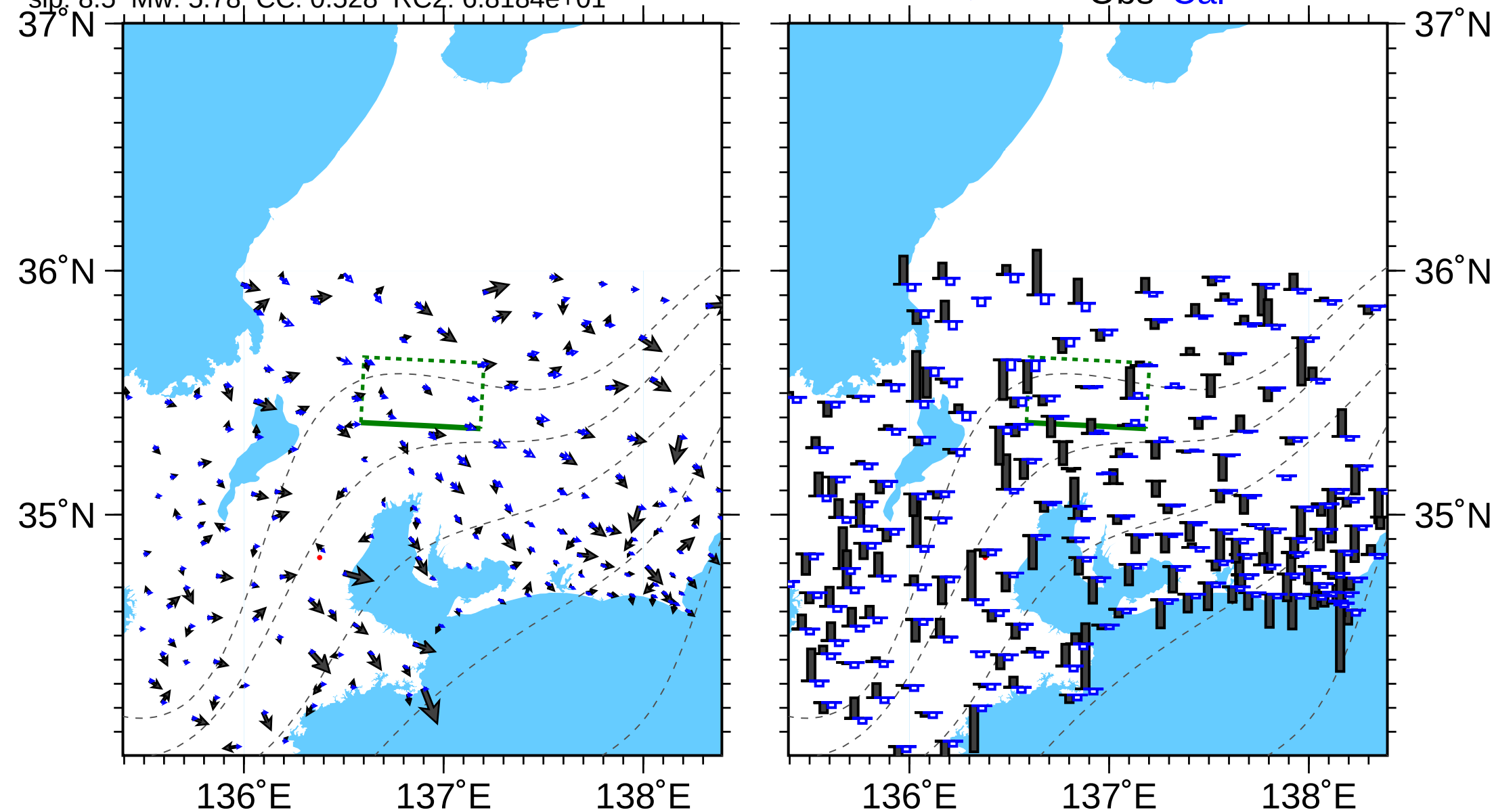
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Apr-15-2007 class2 Duration: 12 days

len: 54.455 wid: 31.288 str: 272.915 dip: 17.986 rak: 148.117

slp: 8.5 Mw: 5.78 CC: 0.528 RC2: 6.8184e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

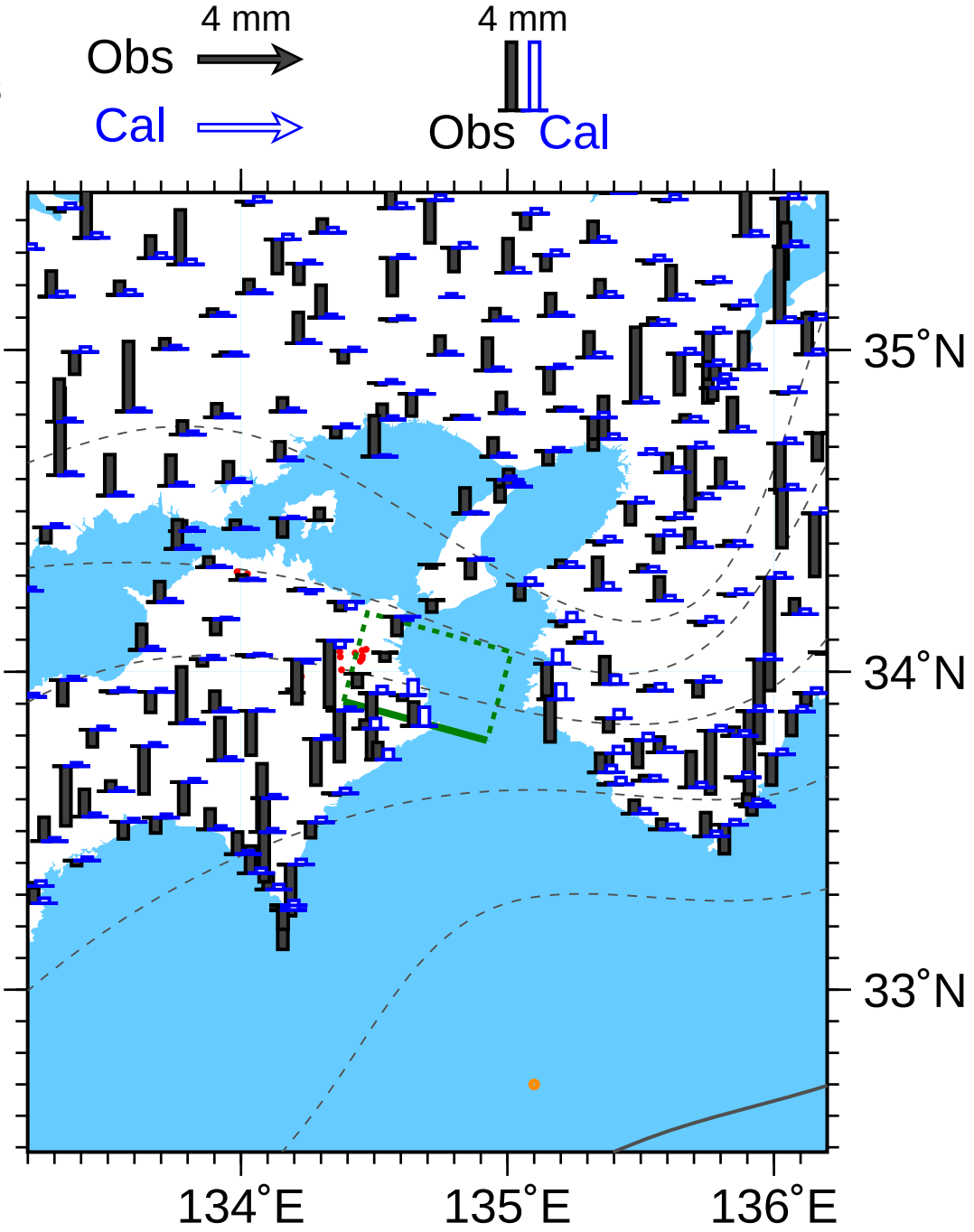
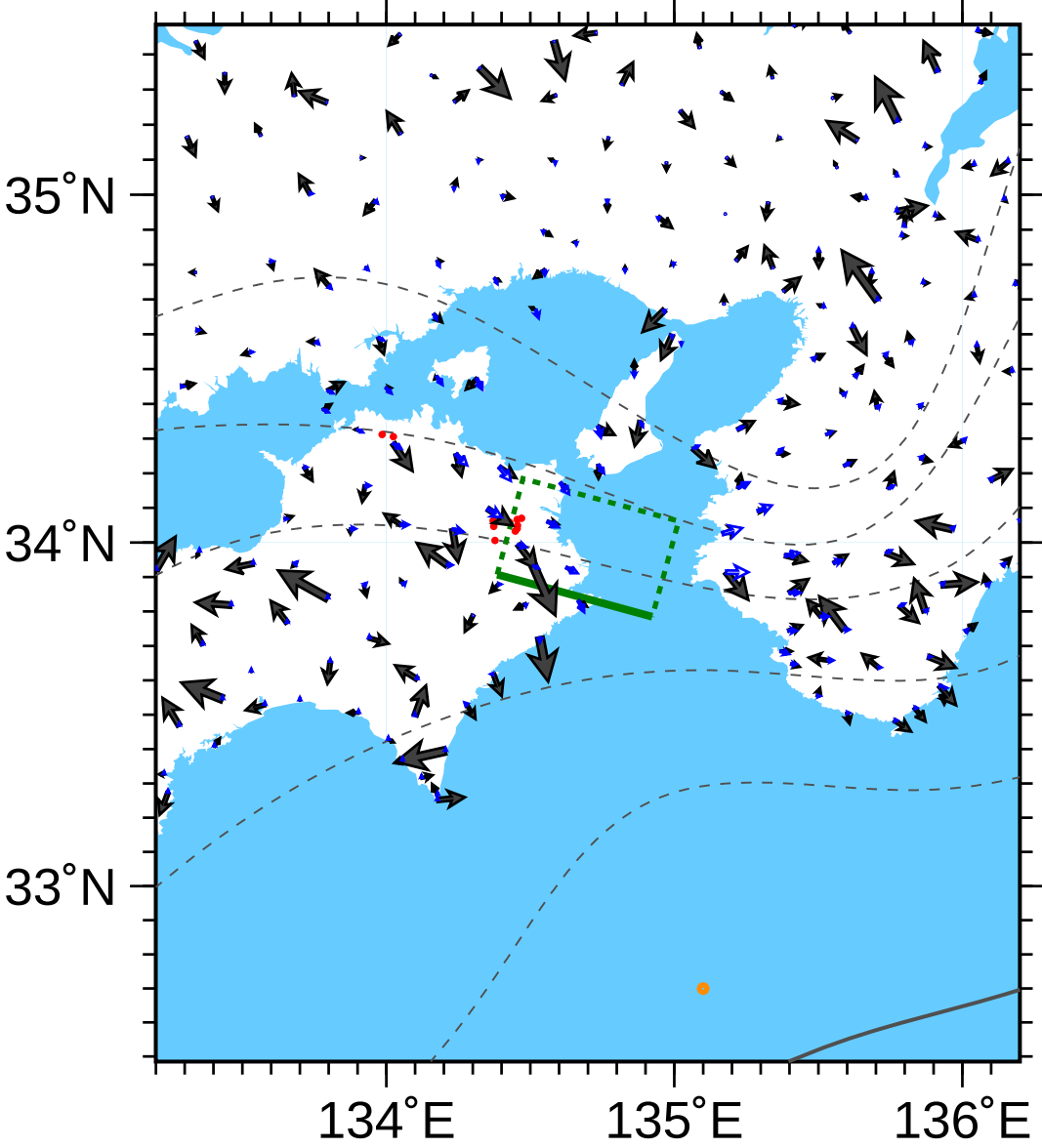
○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jun-17-2007 class2 Duration: 5 days

len: 51.677 wid: 34.660 str: 285.246 dip: 23.258 rak: 151.628

slp: 7.9 Mw: 5.77 CC: 0.523 RC2: 8.8273e+01

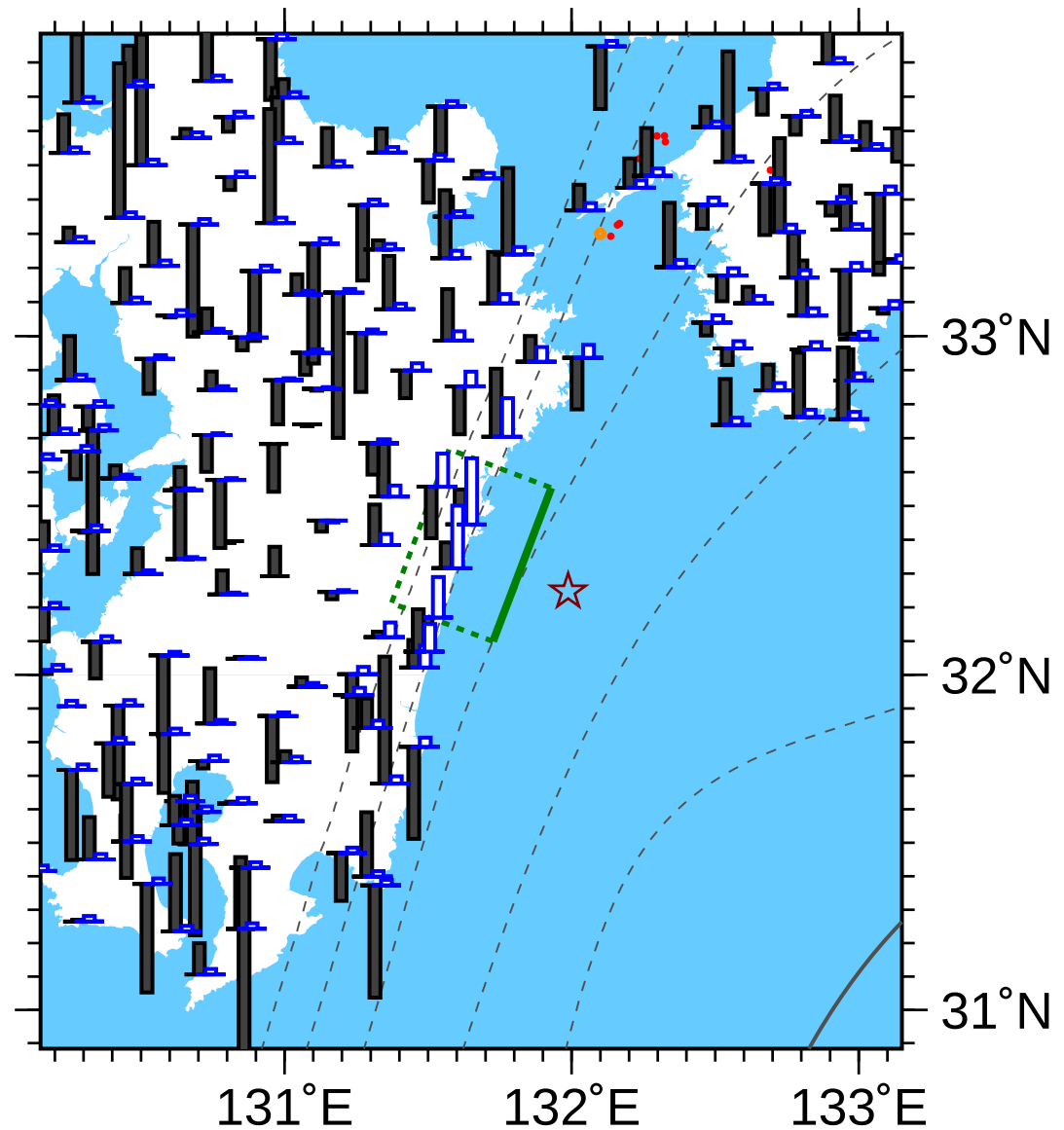
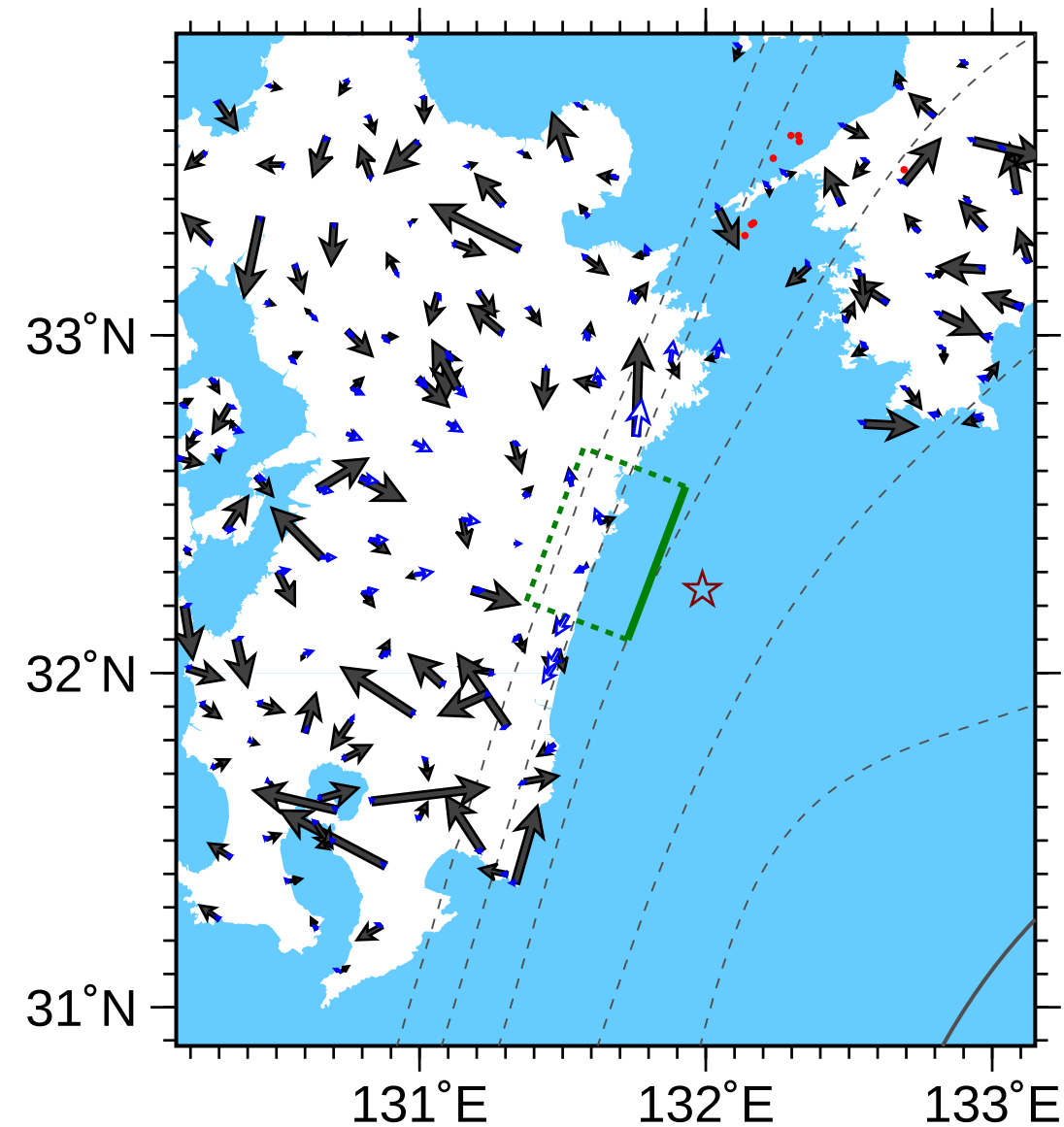


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jun-24-2007 class2 Duration: 29 days
len: 53.819 wid: 42.530 str: 200.629 dip: 32.955 rak: 97.993
slp: 19.5 Mw: 6.10 CC: 0.538 RC2: 9.1091e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

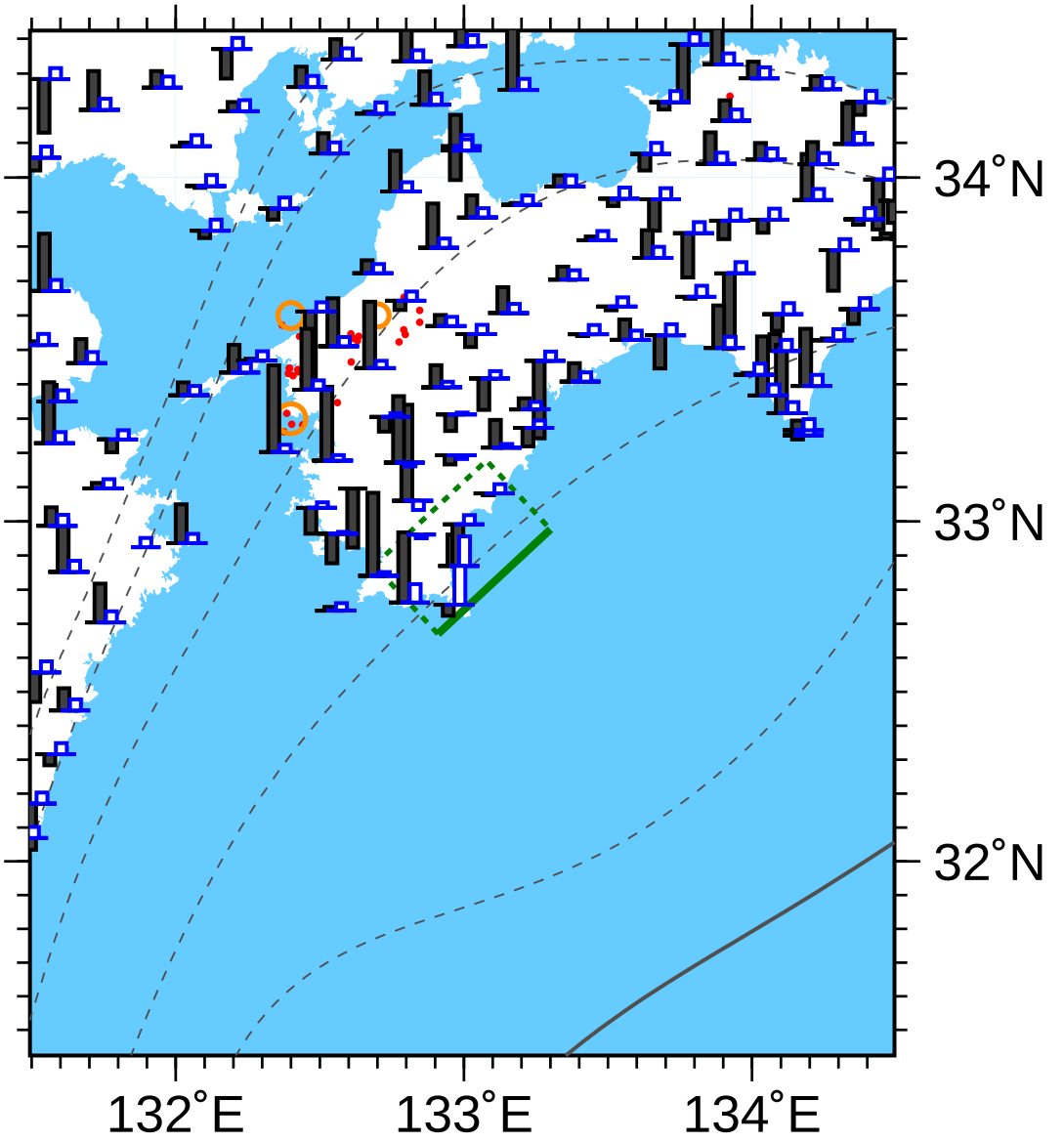
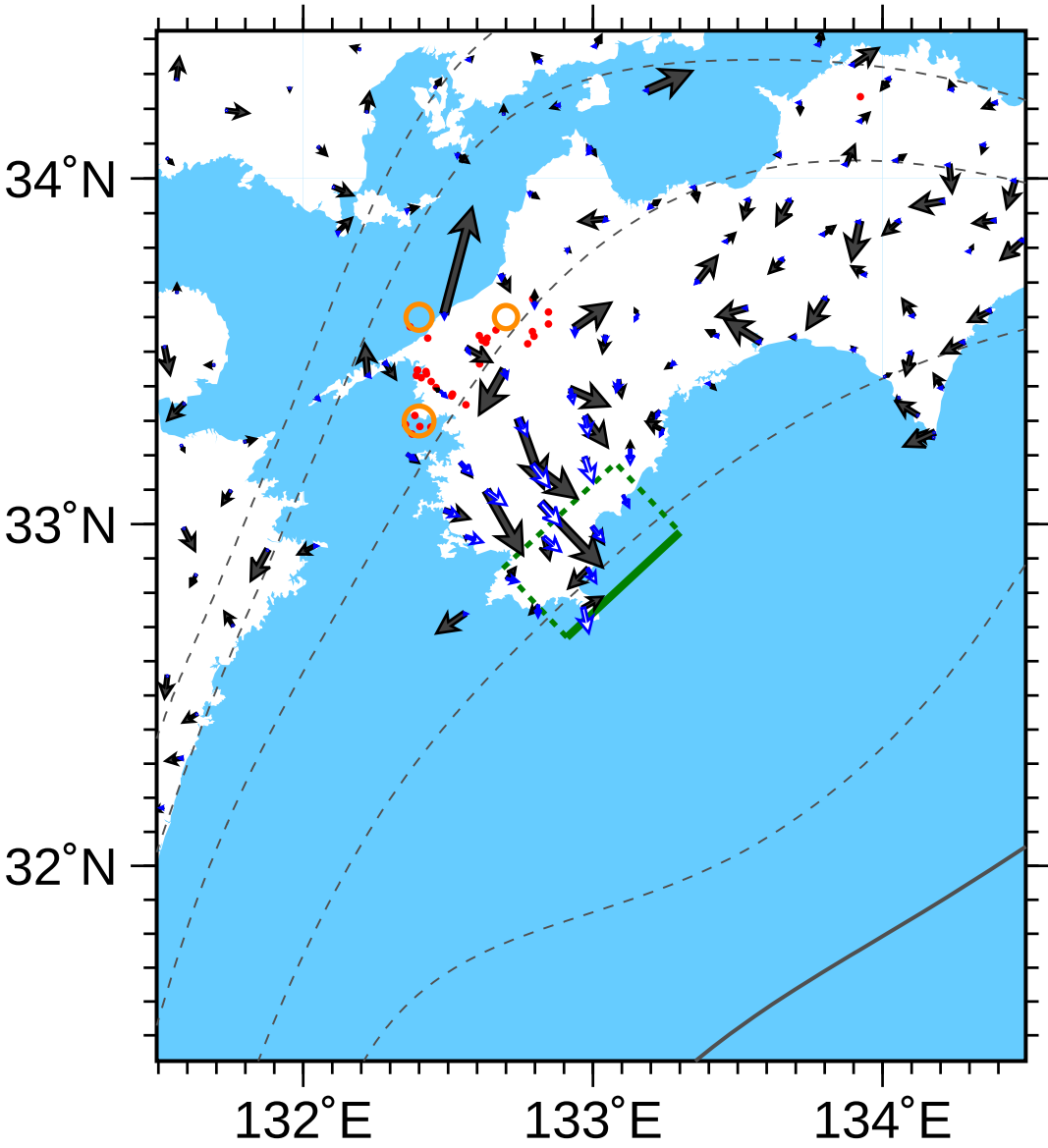


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Sep-10-2007 class2 Duration: 2 days
len: 49.879 wid: 30.820 str: 227.002 dip: 8.921 rak: 88.935
slp: 7.6 Mw: 5.71 CC: 0.550 RC2: 8.2117e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

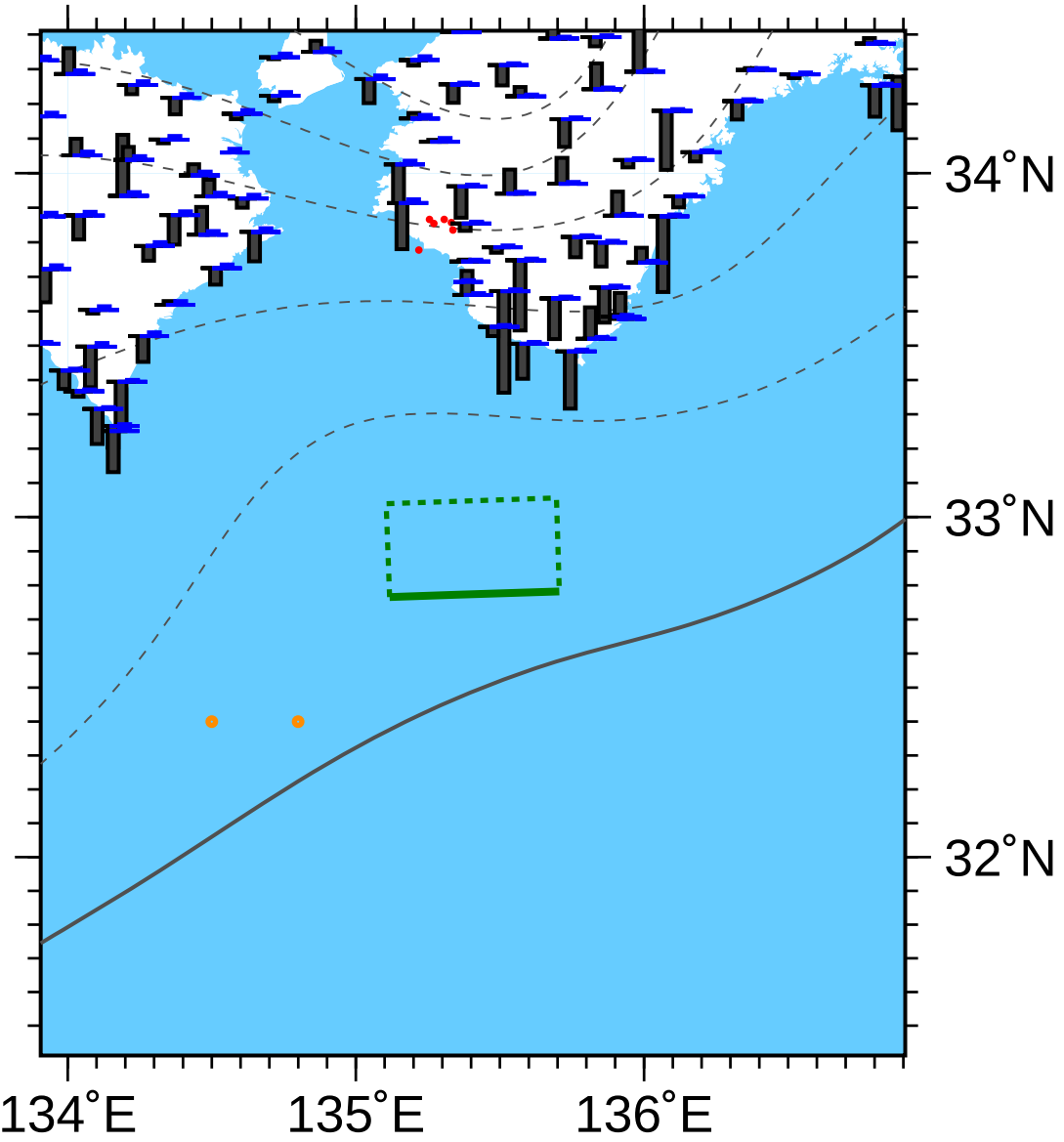
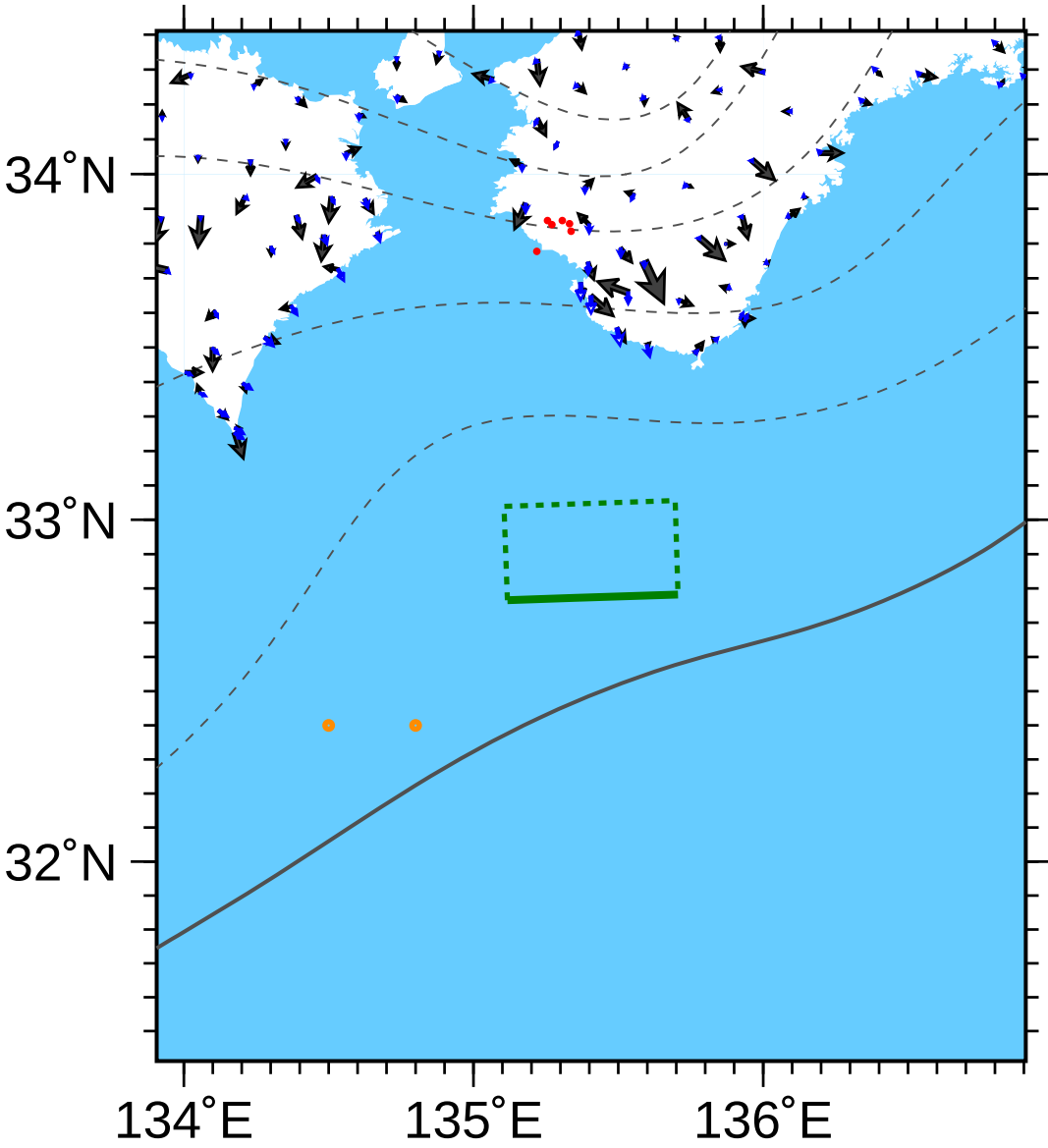


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Dec-4-2007 class2 Duration: 4 days
len: 55.214 wid: 30.378 str: 268.069 dip: 2.754 rak: 156.091
slp: 137.7 Mw: 6.58 CC: 0.467 RC2: 9.2968e+01

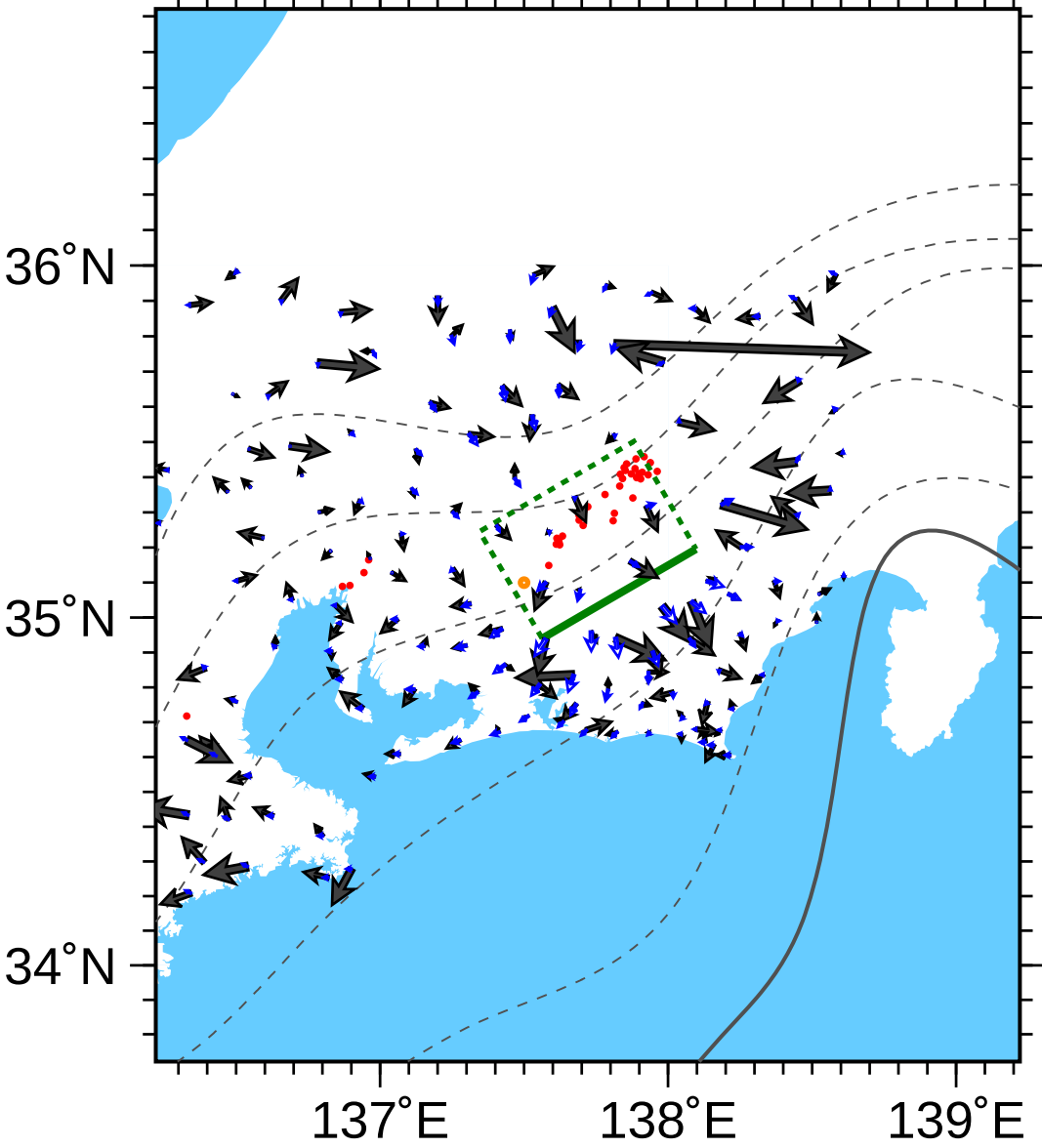
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



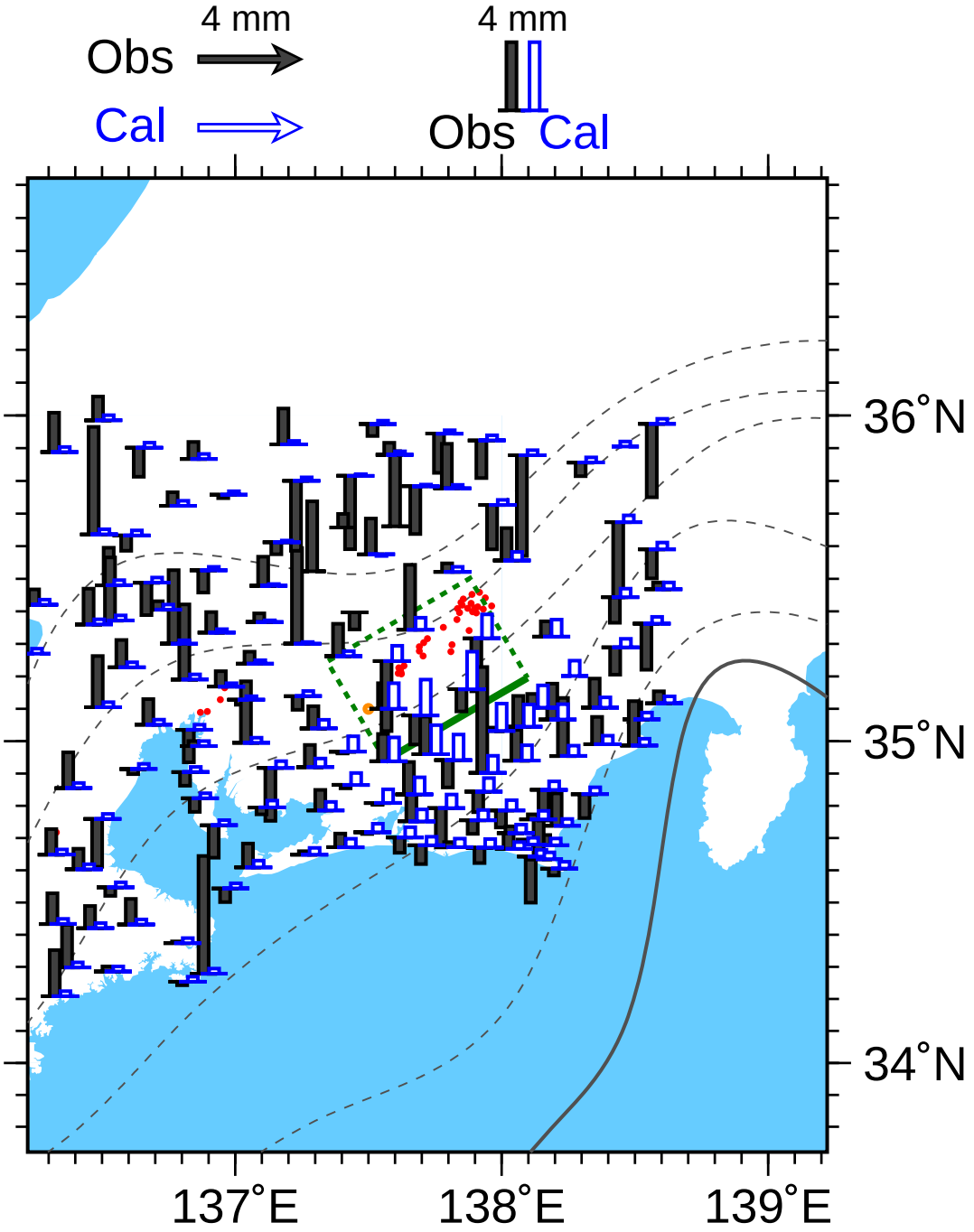
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jan-5-2008 class2 Duration: 35 days
len: 56.367 wid: 42.672 str: 239.749 dip: 23.105 rak: 99.235
slp: 7.4 Mw: 5.84 CC: 0.485 RC2: 9.8175e+01

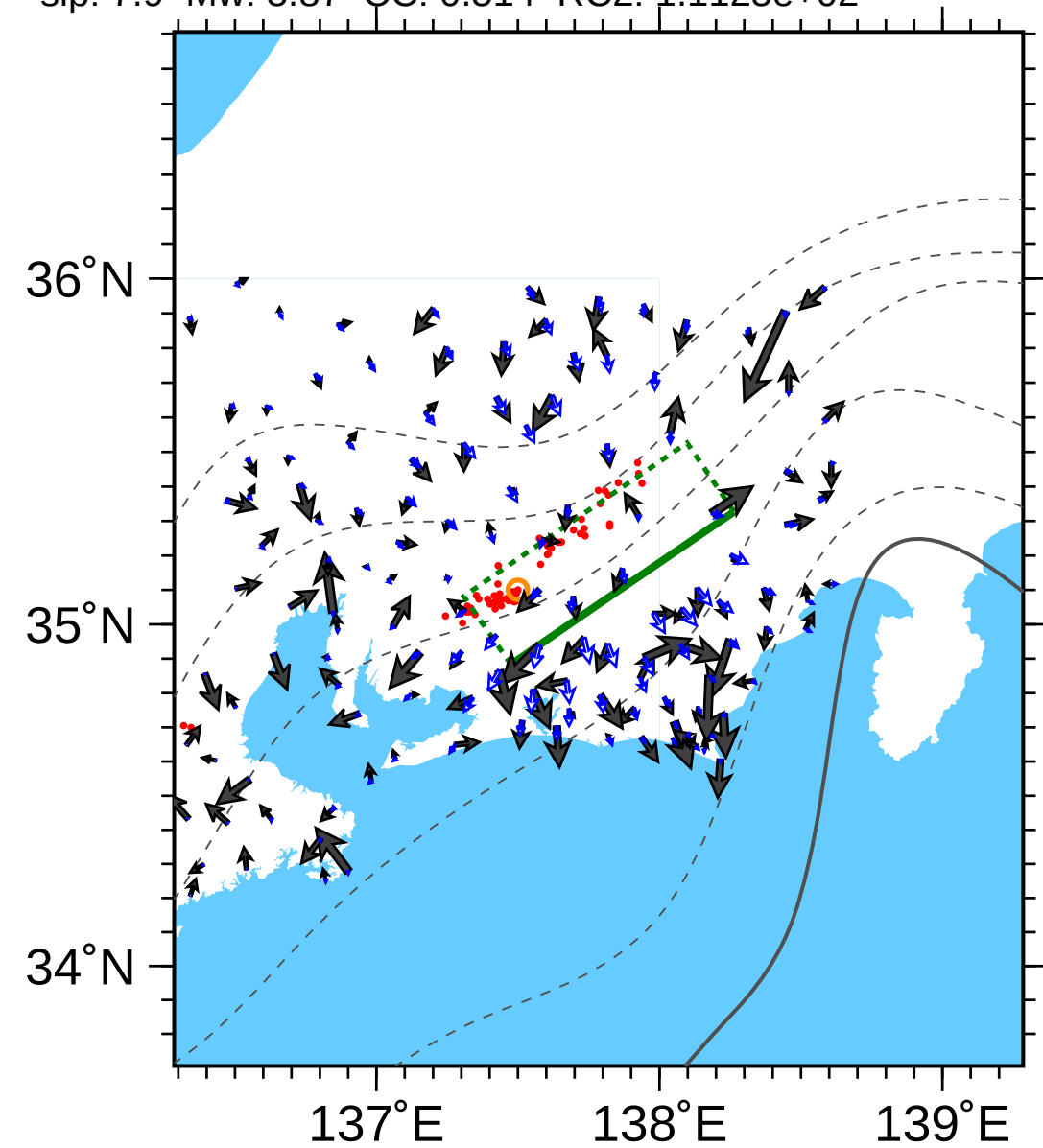


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

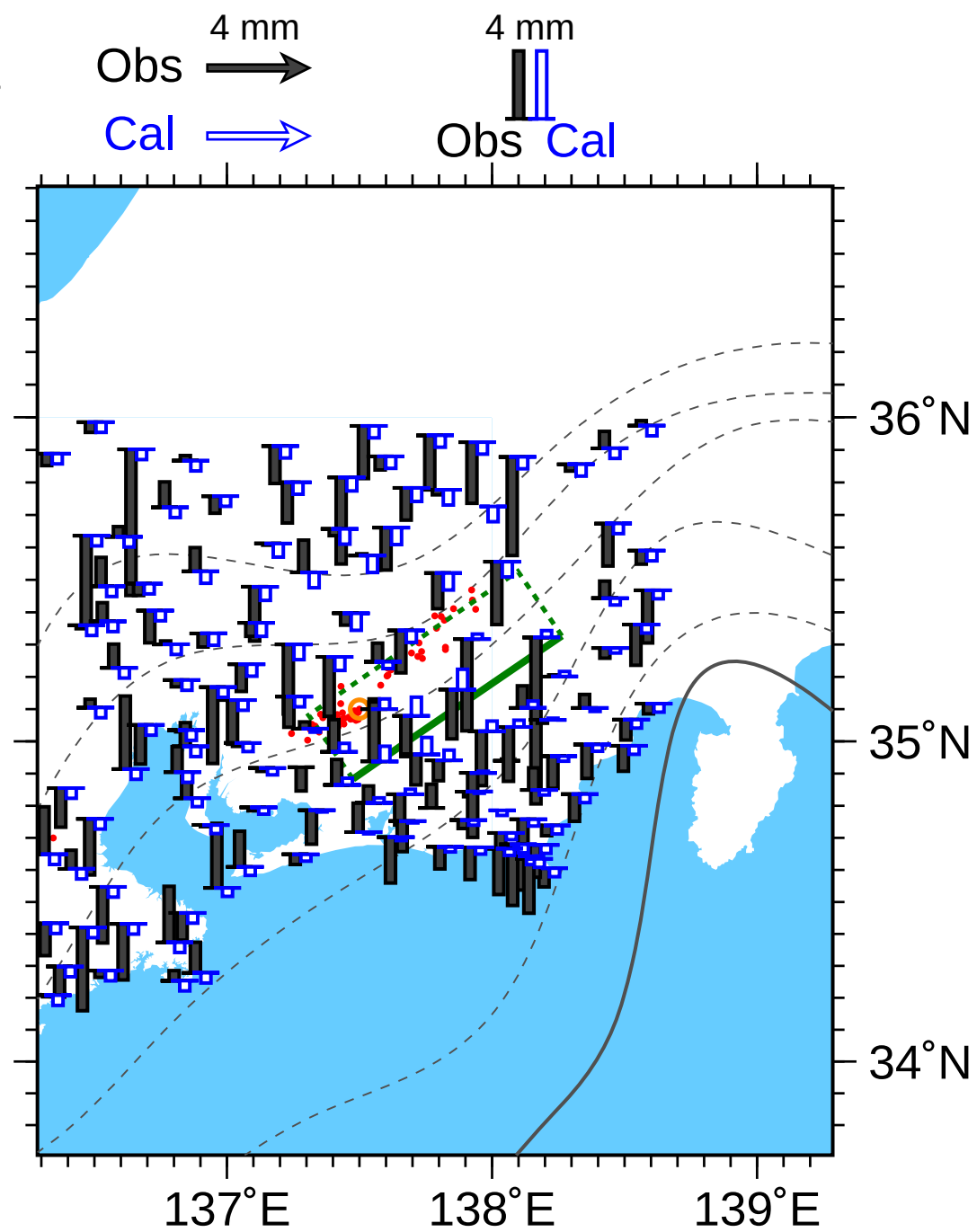


- 10
- 100
- 1000

Date: Aug-28-2008 class2 Duration: 21 days
len: 87.116 wid: 28.844 str: 235.532 dip: 21.921 rak: 76.257
slp: 7.9 Mw: 5.87 CC: 0.514 RC2: 1.1125e+02



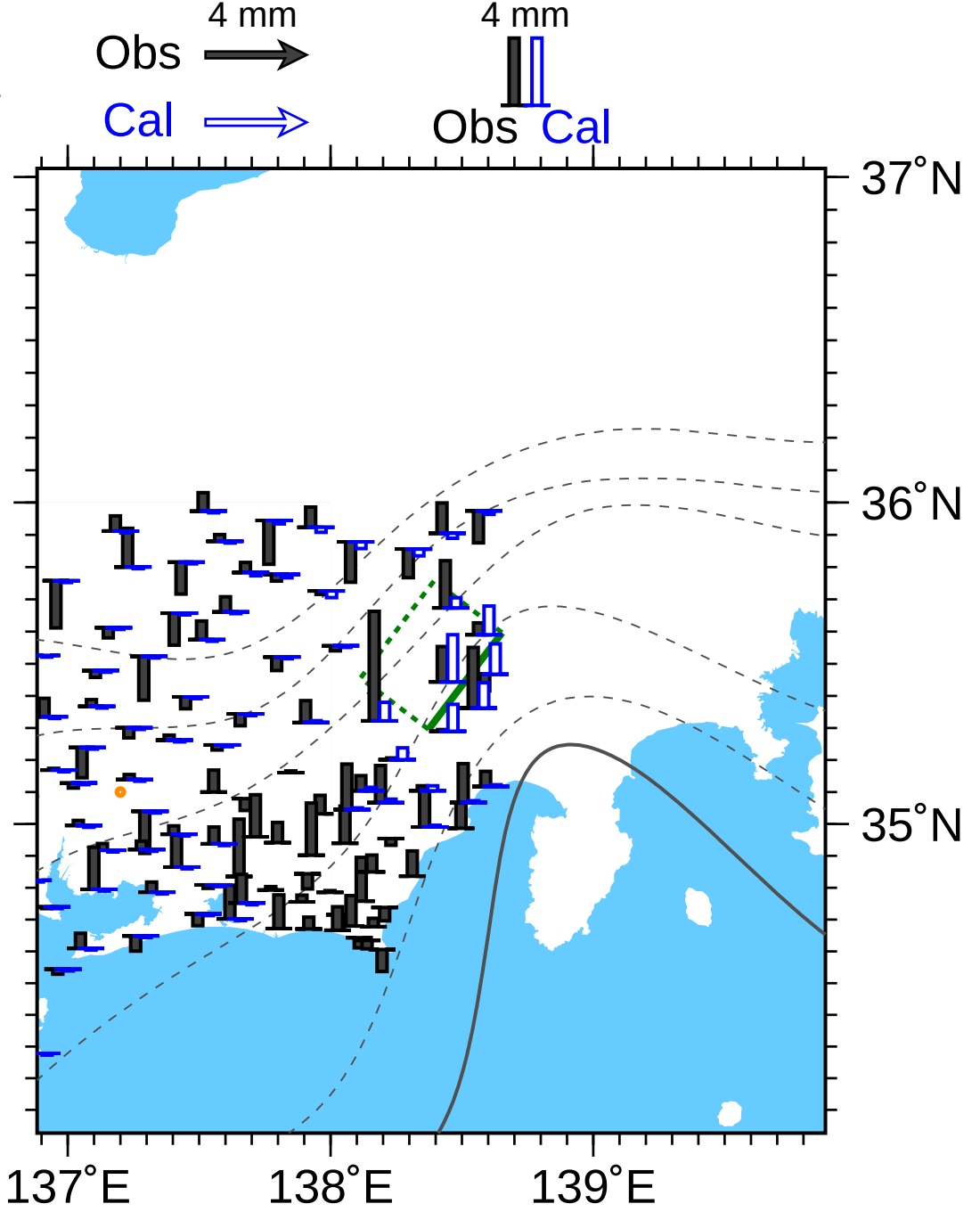
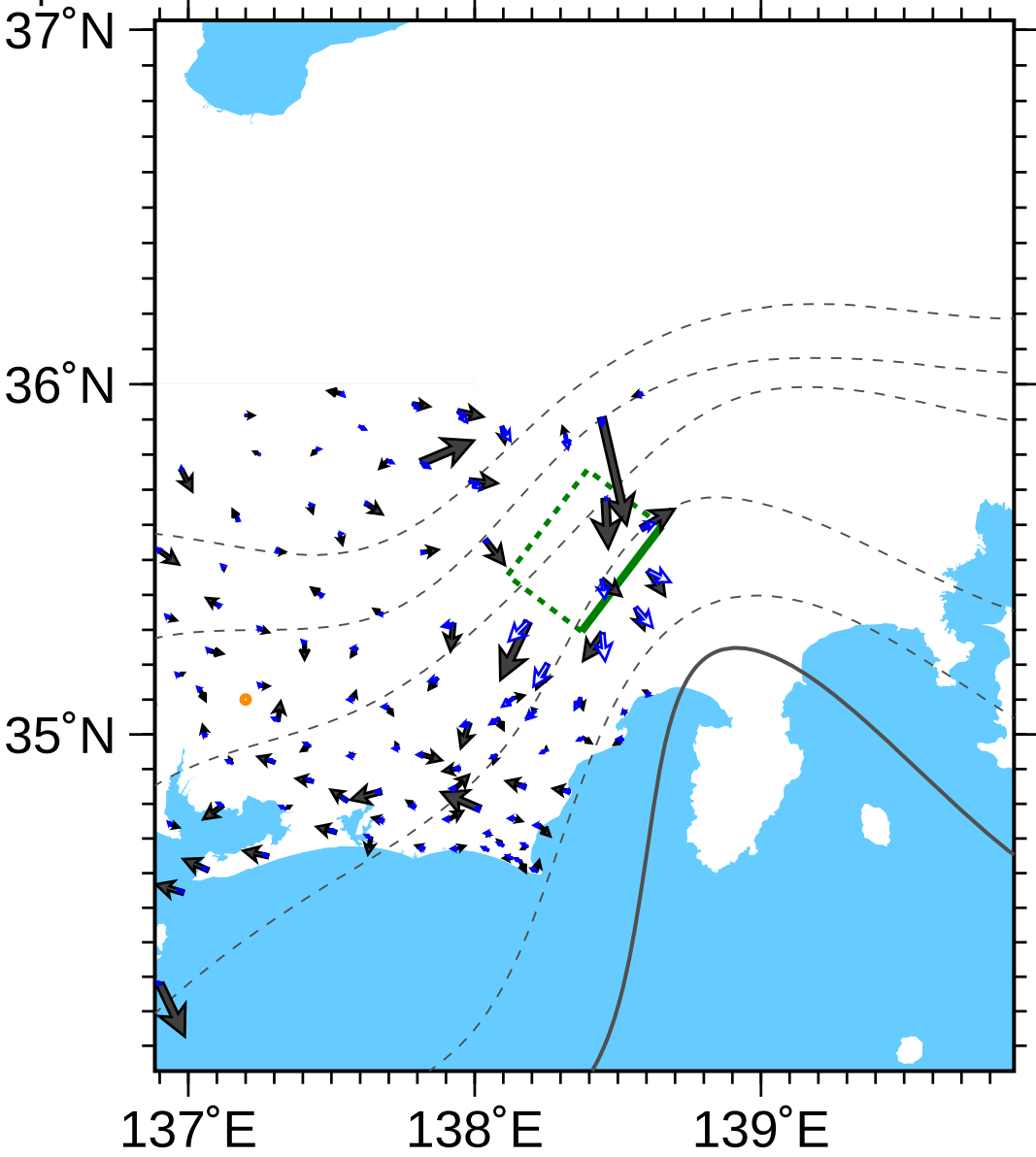
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



4 mm
Obs →
Cal ⇨
Obs Cal

○ ○ ○
10 100 1000

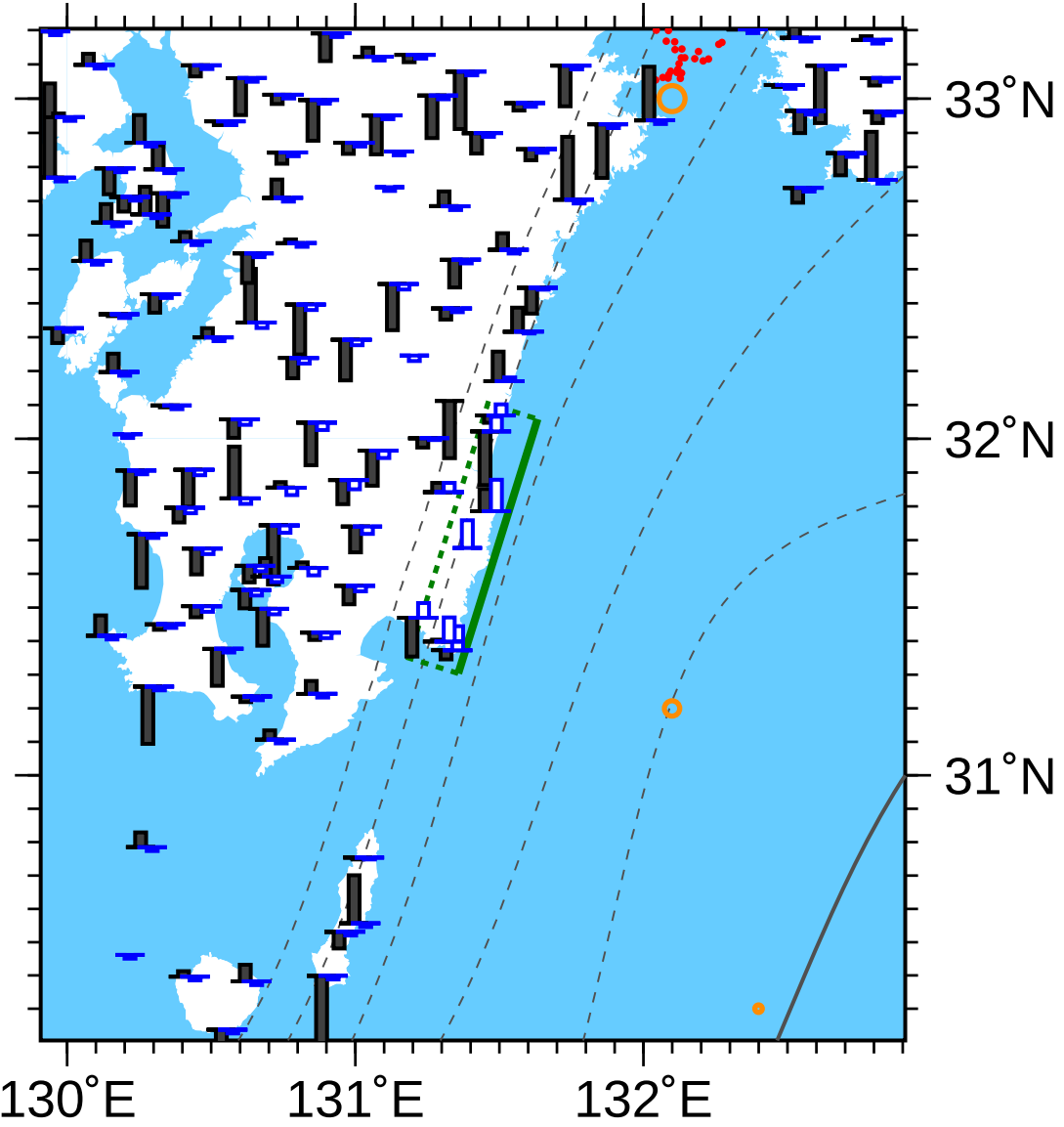
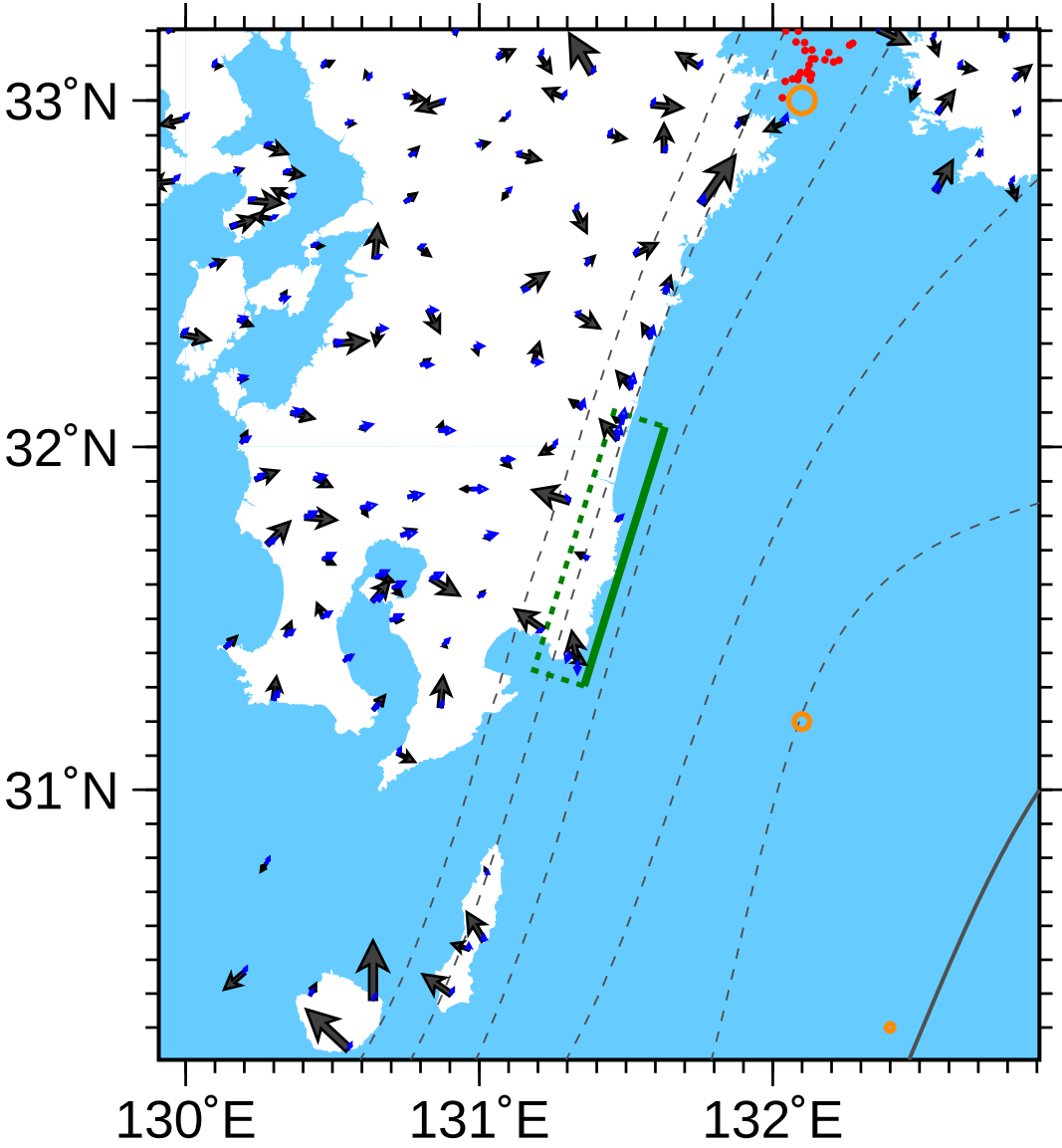
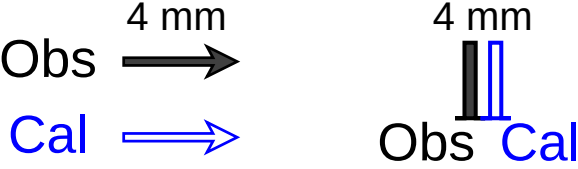
Date: Sep-21-2008 class2 Duration: 3 days
len: 41.984 wid: 33.652 str: 217.199 dip: 28.844 rak: 71.251
slp: 10.9 Mw: 5.79 CC: 0.551 RC2: 9.5636e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Mar-2-2009 class2 Duration: 33 days
len: 87.619 wid: 20.040 str: 197.296 dip: 31.378 rak: 80.620
slp: 13 Mw: 5.91 CC: 0.413 RC2: 5.0743e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

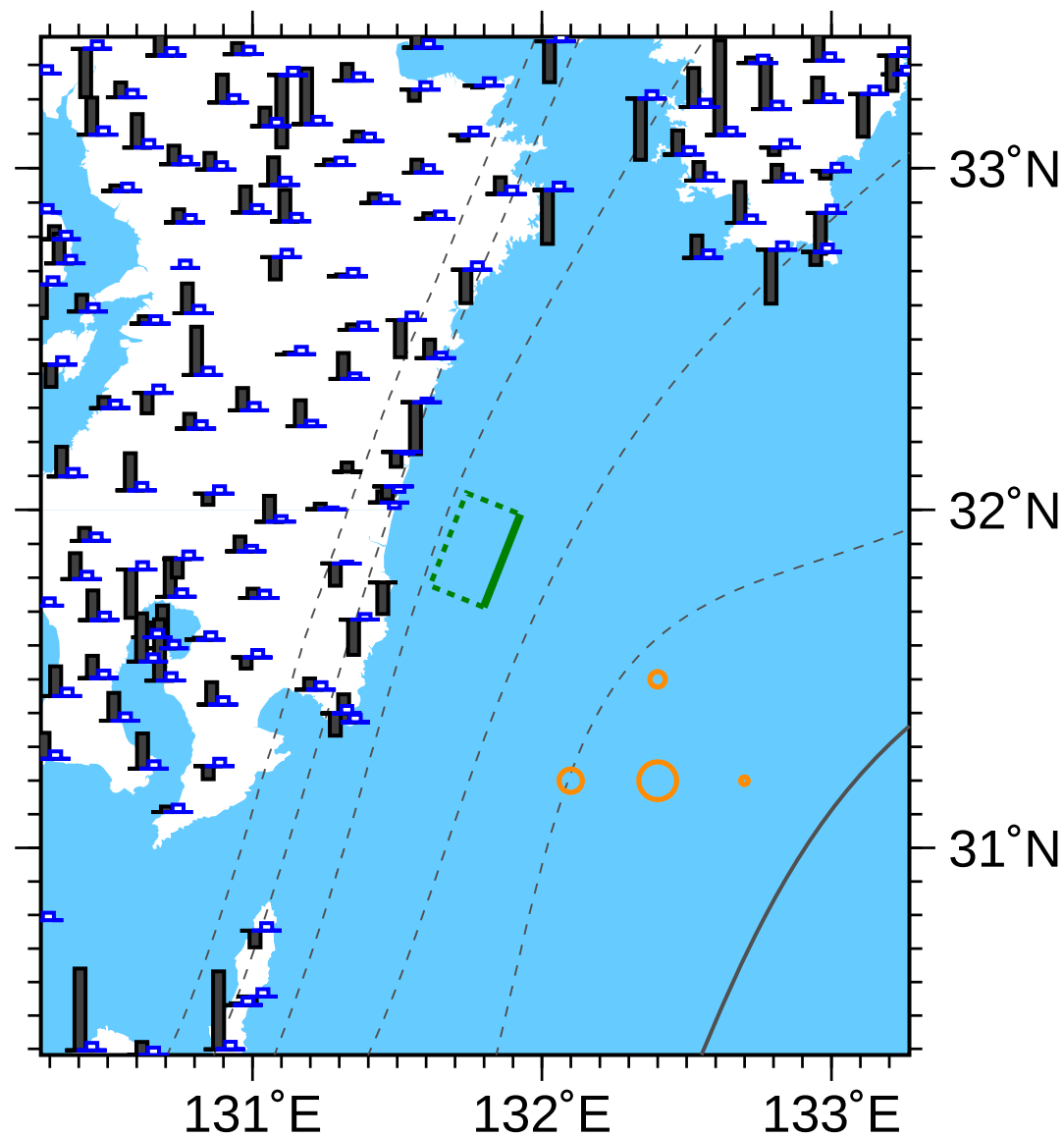
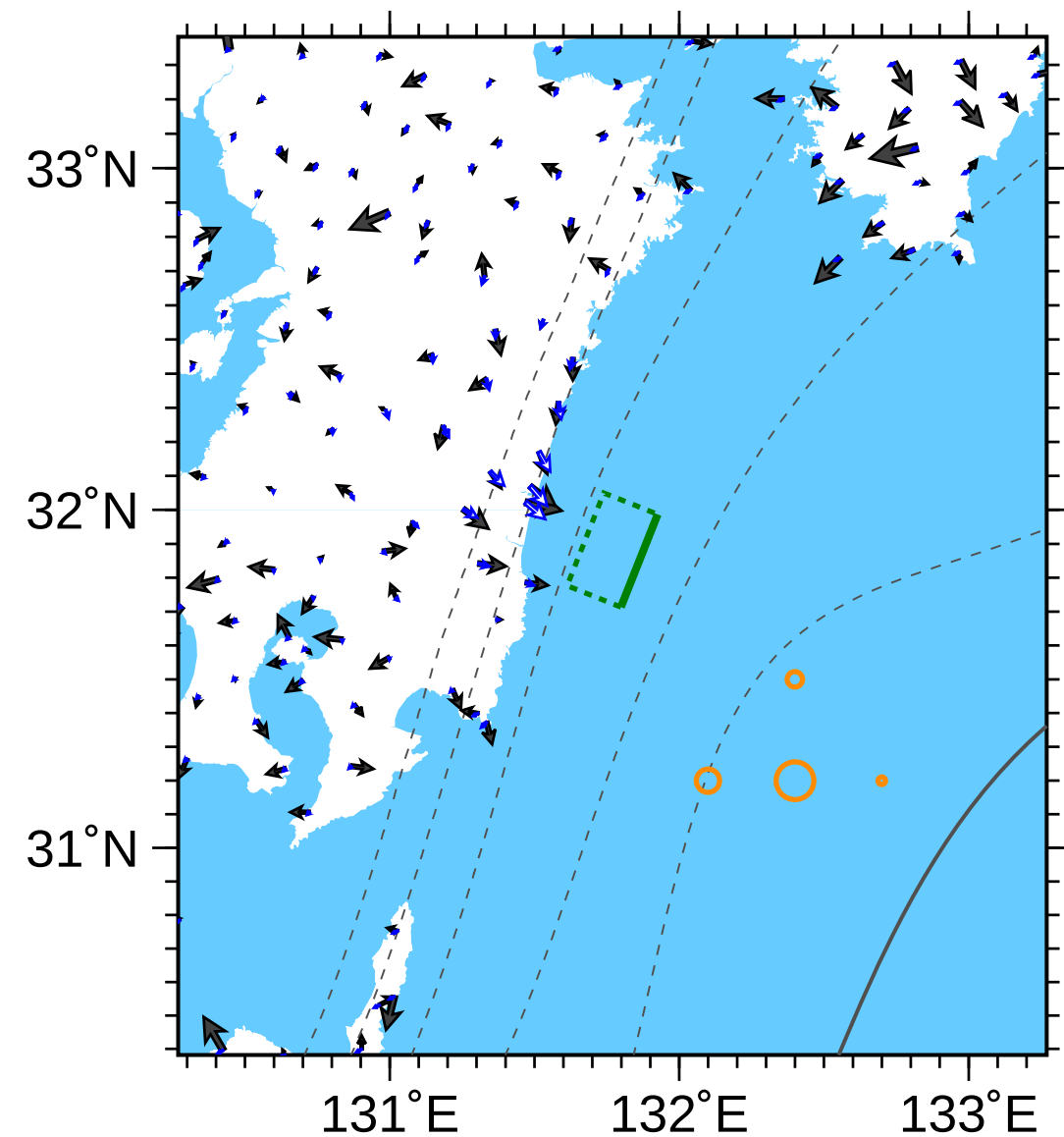


Date: Apr-6-2009 class2 Duration: 1 days

len: 32.600 wid: 19.530 str: 201.533 dip: 14.235 rak: 77.182

slp: 18.2 Mw: 5.71 CC: 0.597 RC2: 1.1319e+02

4 mm
Obs 
Cal 
Obs  4 mm
Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

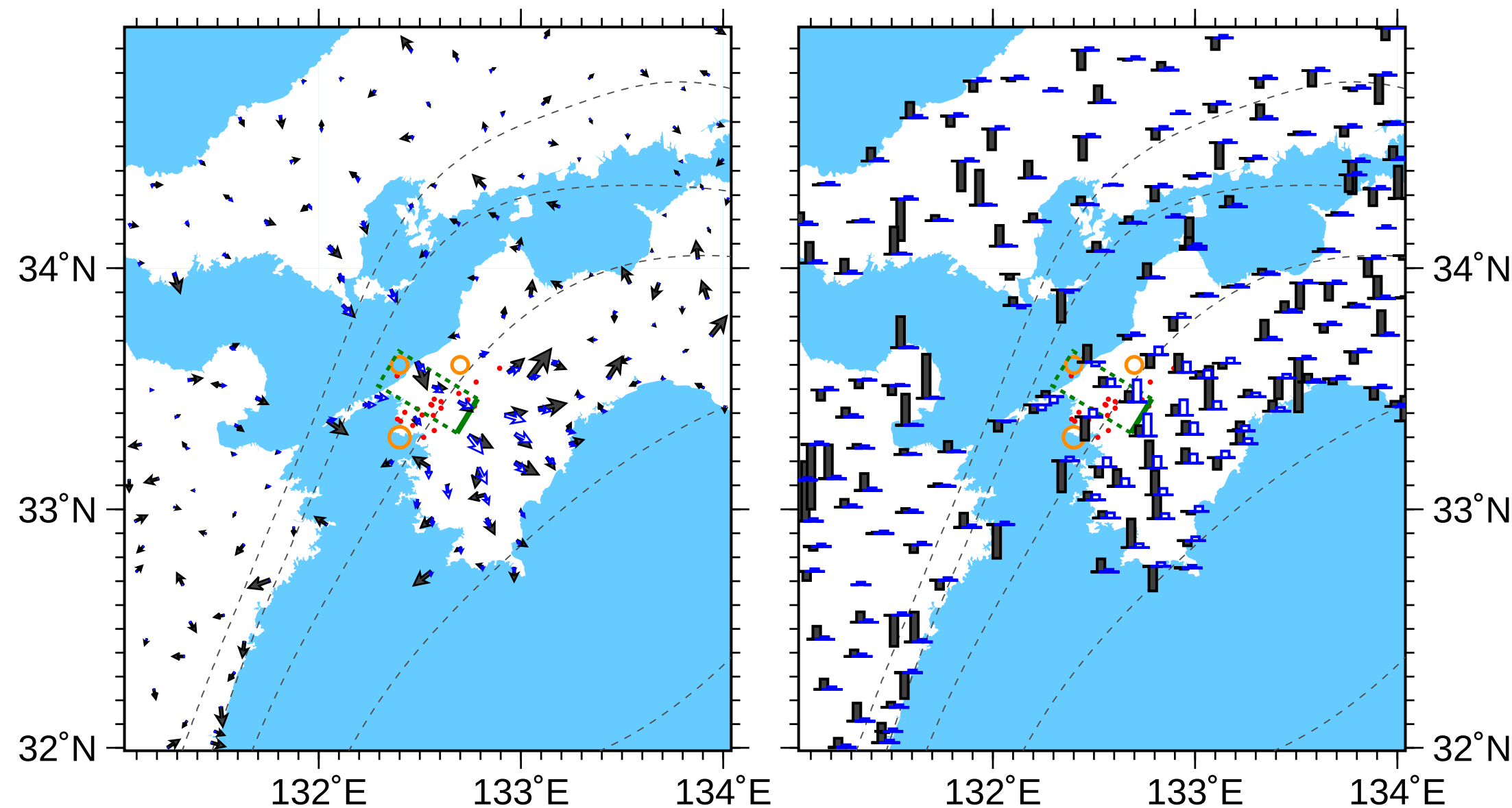
○ ○ ○
10 100 1000

Date: Apr-13-2009 class2 Duration: 3 days

len: 18.437 wid: 42.540 str: 211.094 dip: 5.720 rak: 87.887

slp: 19 Mw: 5.78 CC: 0.651 RC2: 1.4077e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

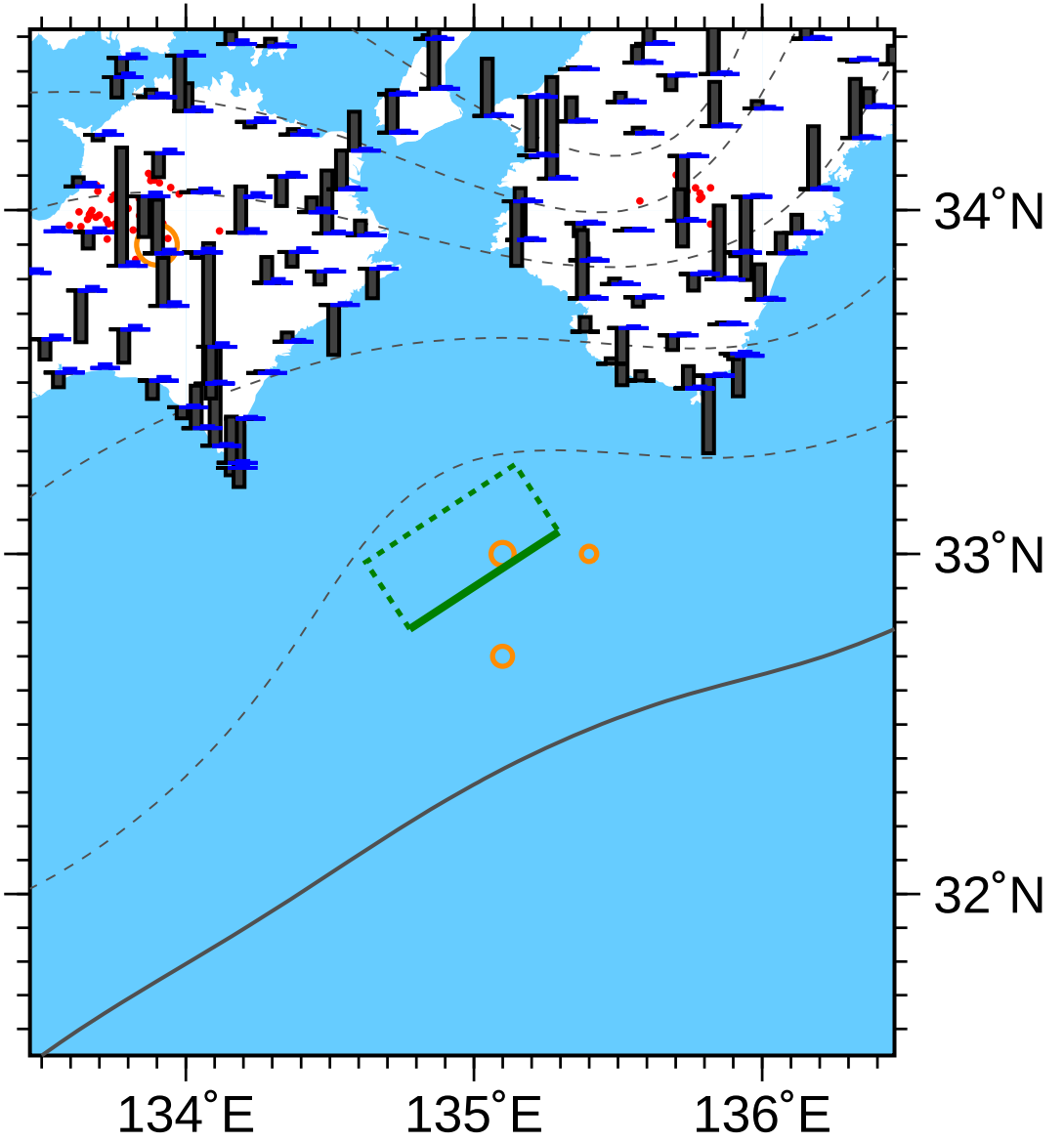
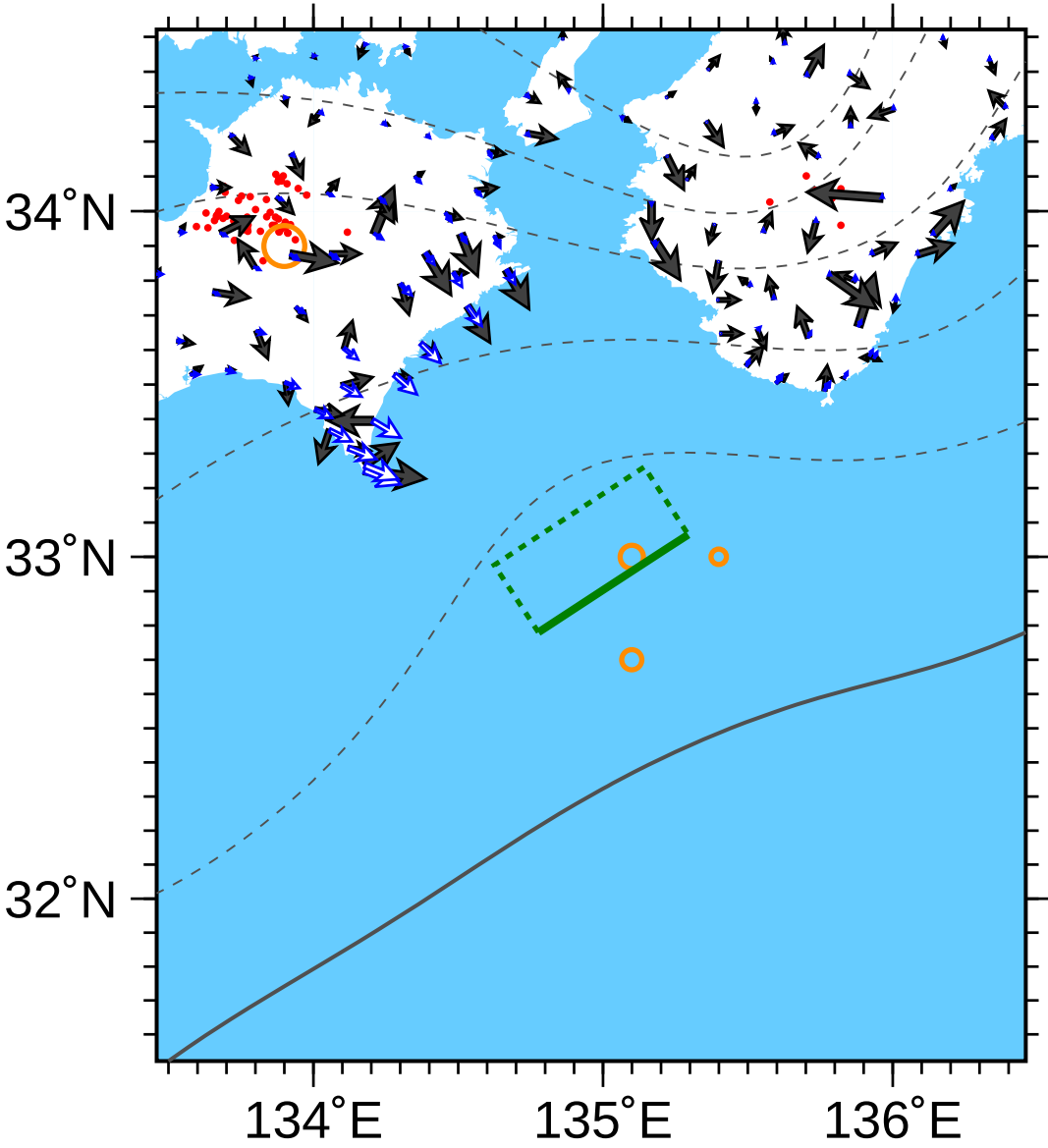
☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jun-20-2009 class2 Duration: 3 days
len: 57.778 wid: 26.108 str: 236.818 dip: 5.456 rak: 113.115
slp: 75.4 Mw: 6.37 CC: 0.517 RC2: 1.2799e+02

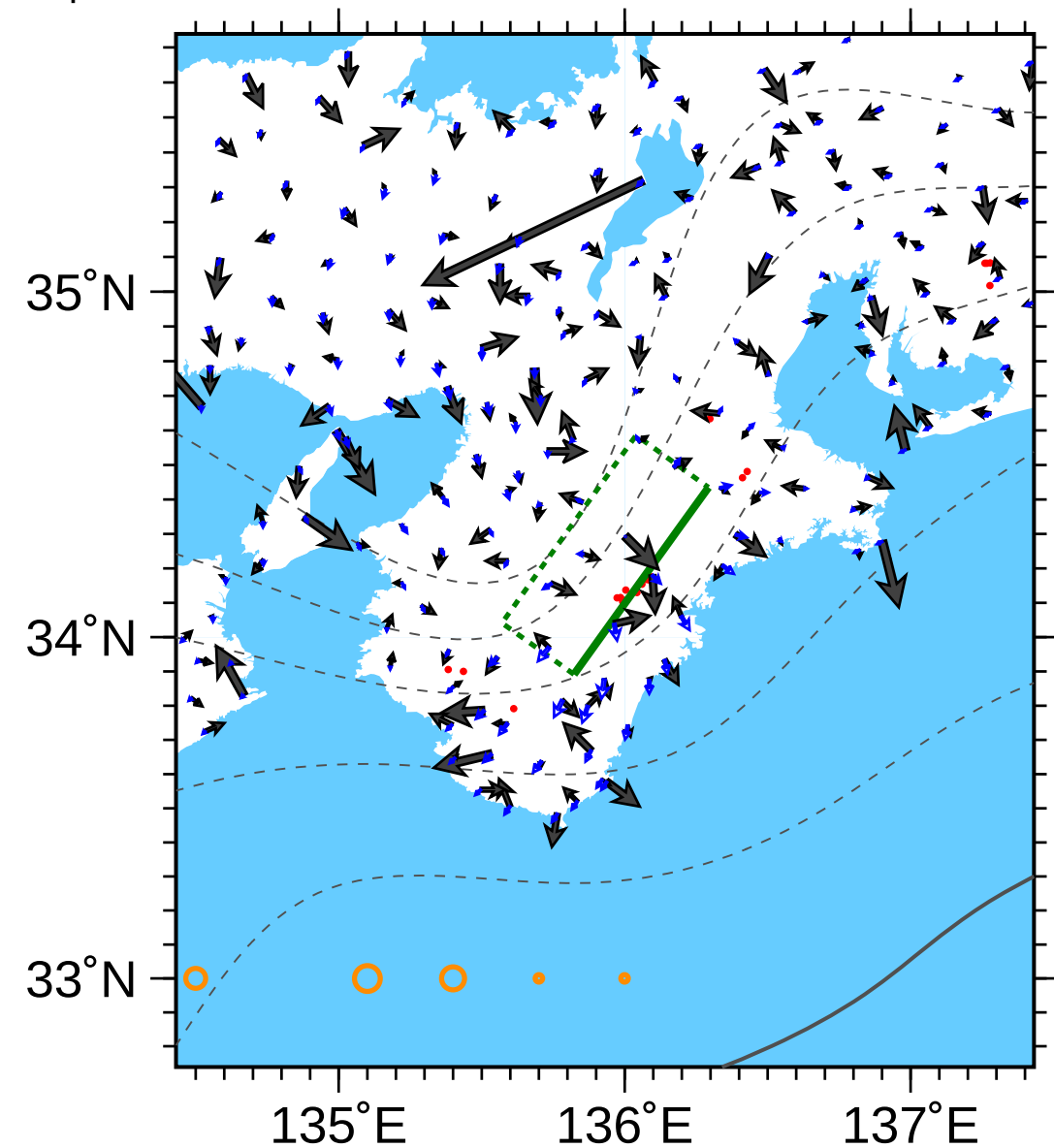
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



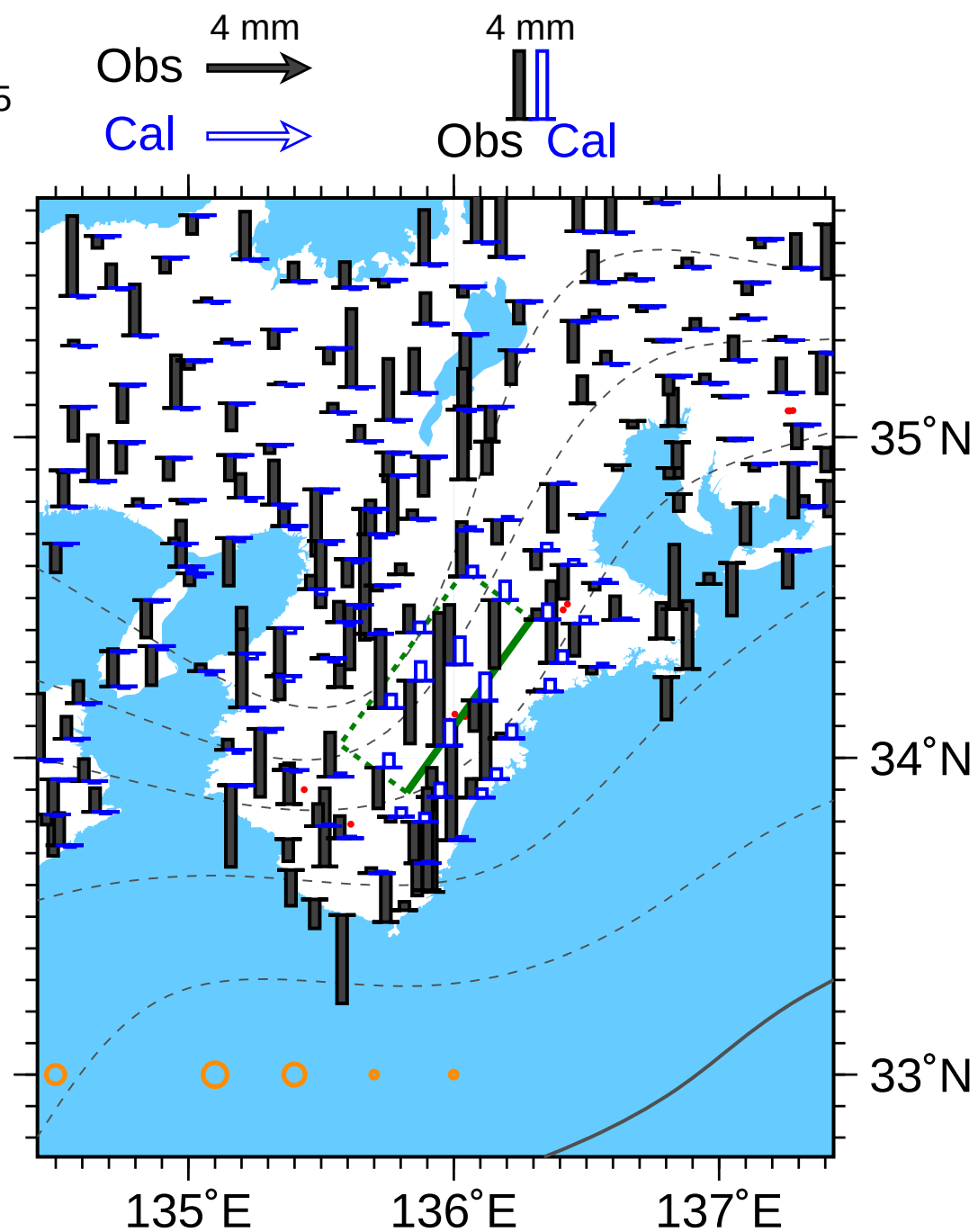
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jul-16-2009 class2 Duration: 37 days
len: 74.286 wid: 33.733 str: 215.692 dip: 31.955 rak: 101.275
slp: 8.3 Mw: 5.88 CC: 0.476 RC2: 5.1054e+01

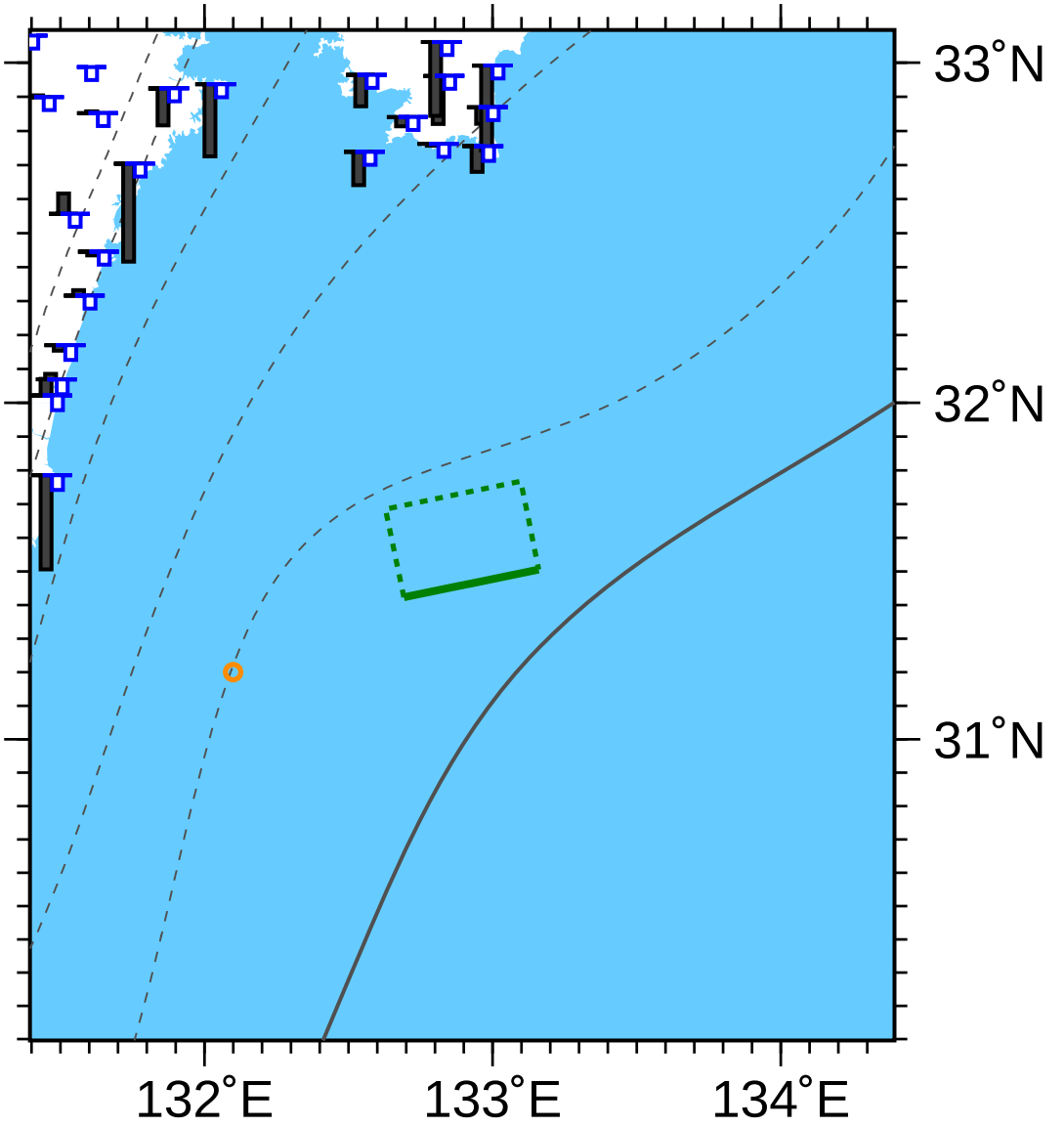
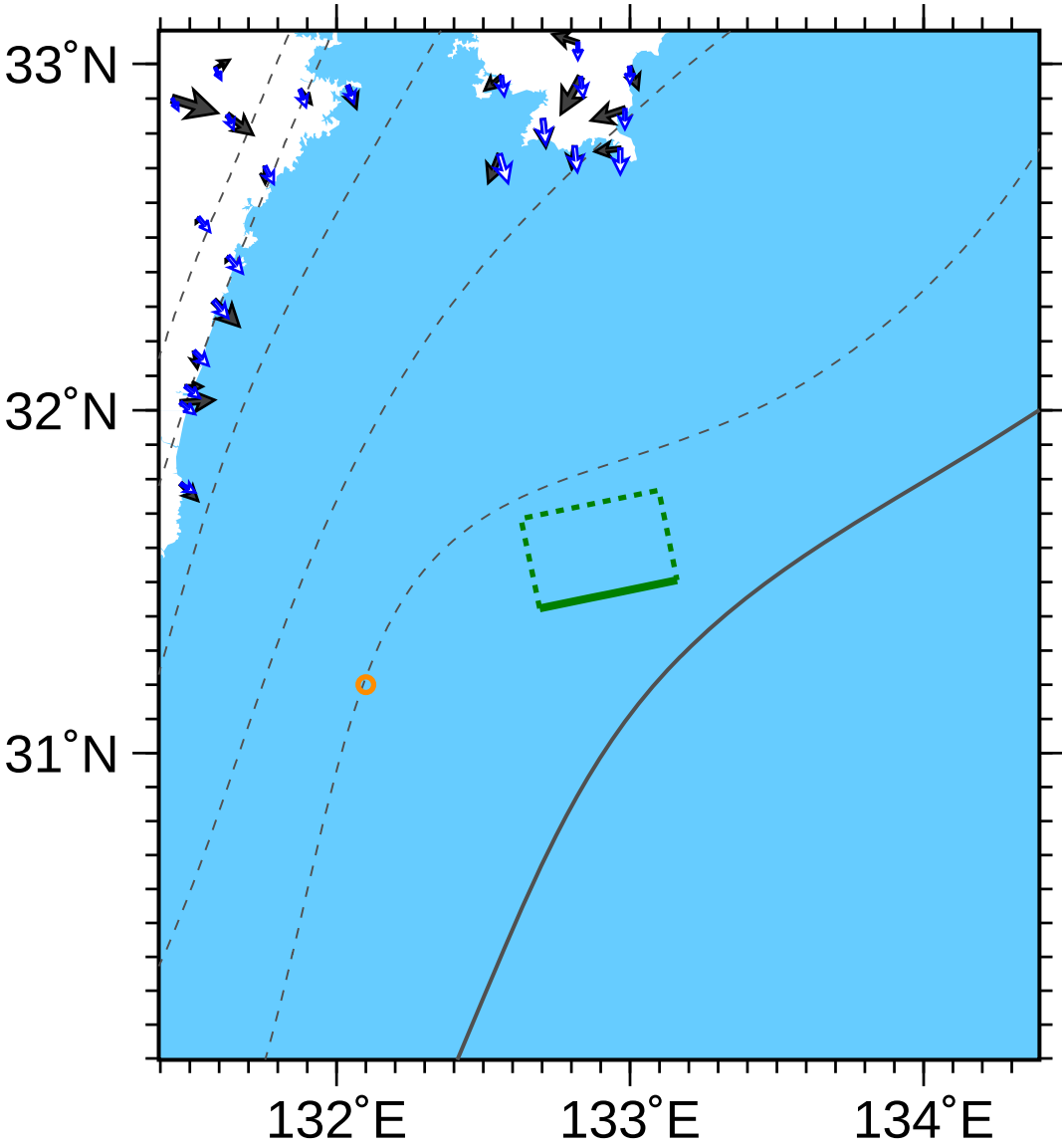
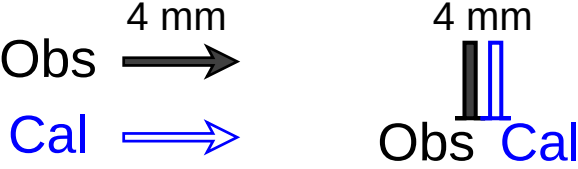


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

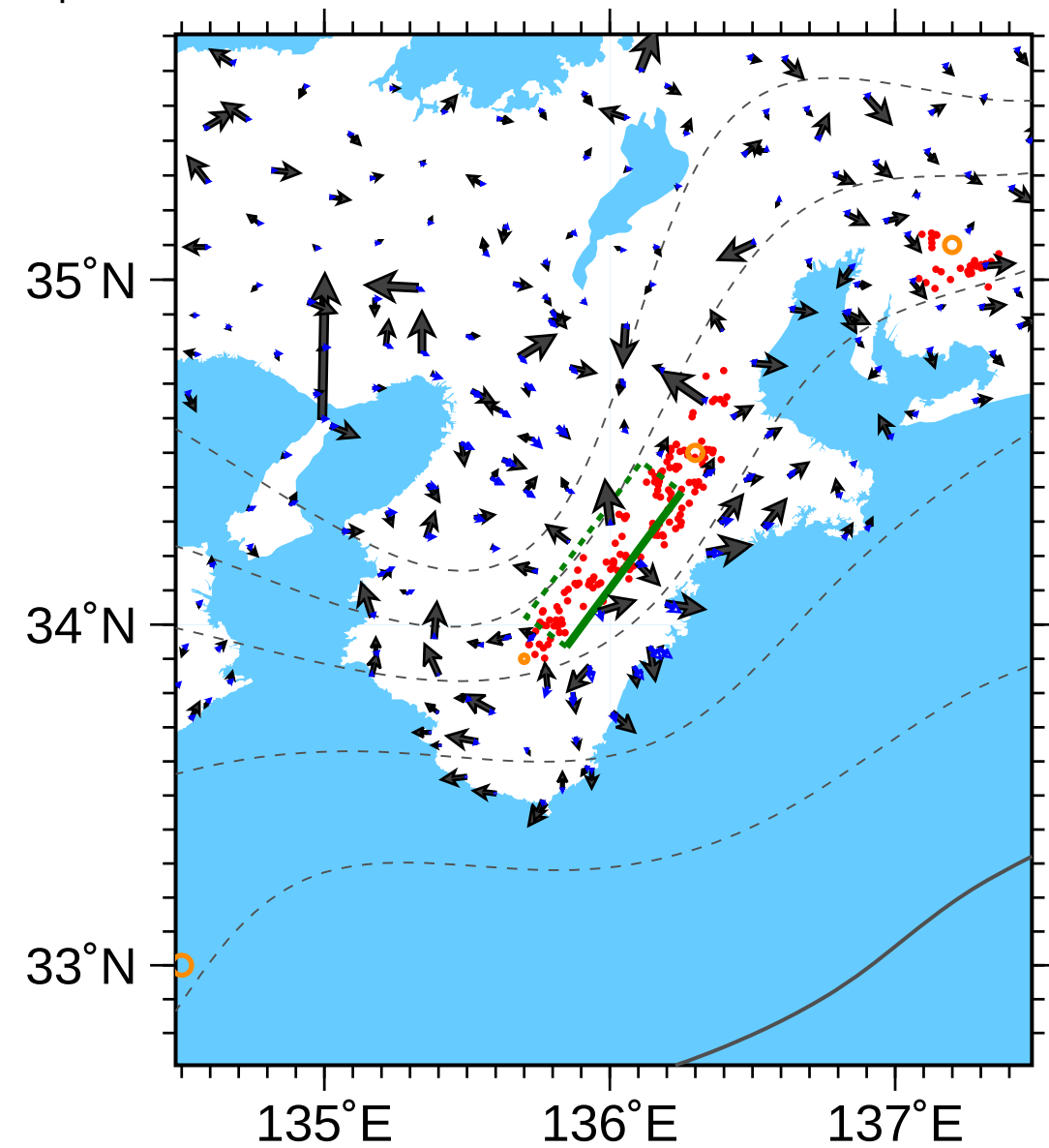
Date: Aug-11-2009 class2 Duration: 3 days
len: 45.421 wid: 29.833 str: 258.390 dip: 6.076 rak: 126.908
slp: 231.2 Mw: 6.67 CC: 0.515 RC2: 1.1820e+02



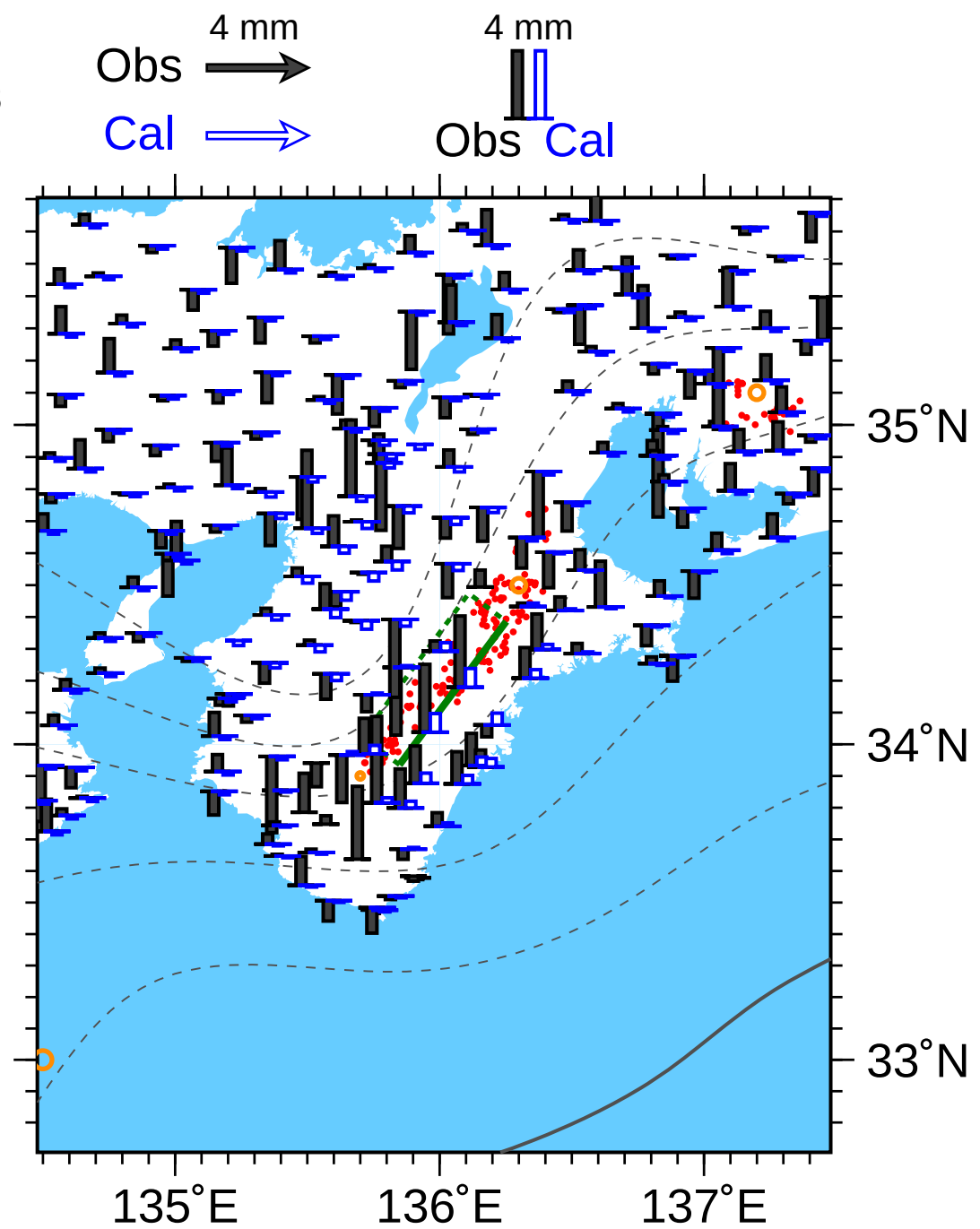
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Mar-26-2010 class2 Duration: 25 days
len: 62.316 wid: 17.496 str: 216.642 dip: 21.462 rak: 73.693
slp: 11.5 Mw: 5.73 CC: 0.538 RC2: 8.7722e+01

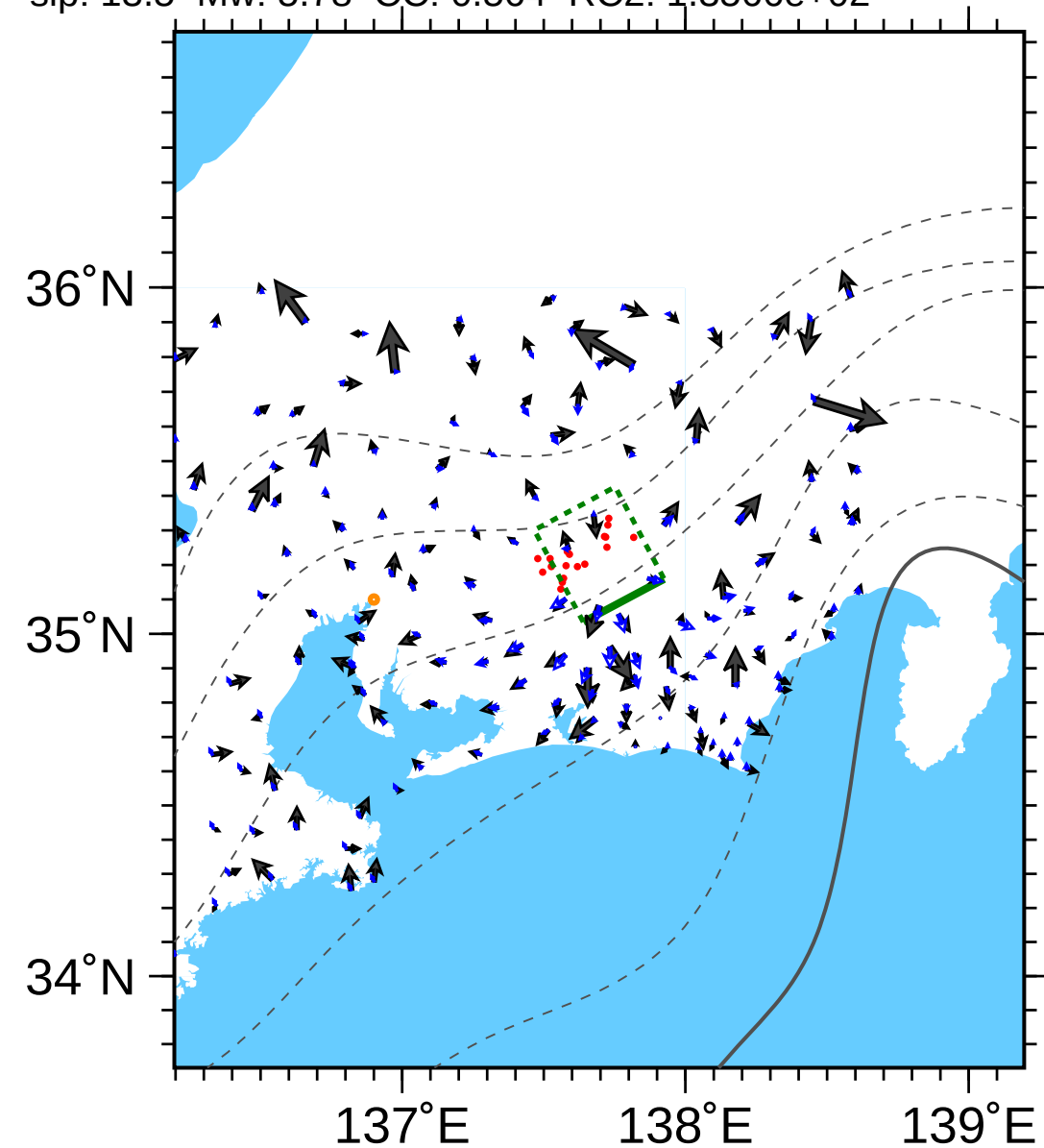


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

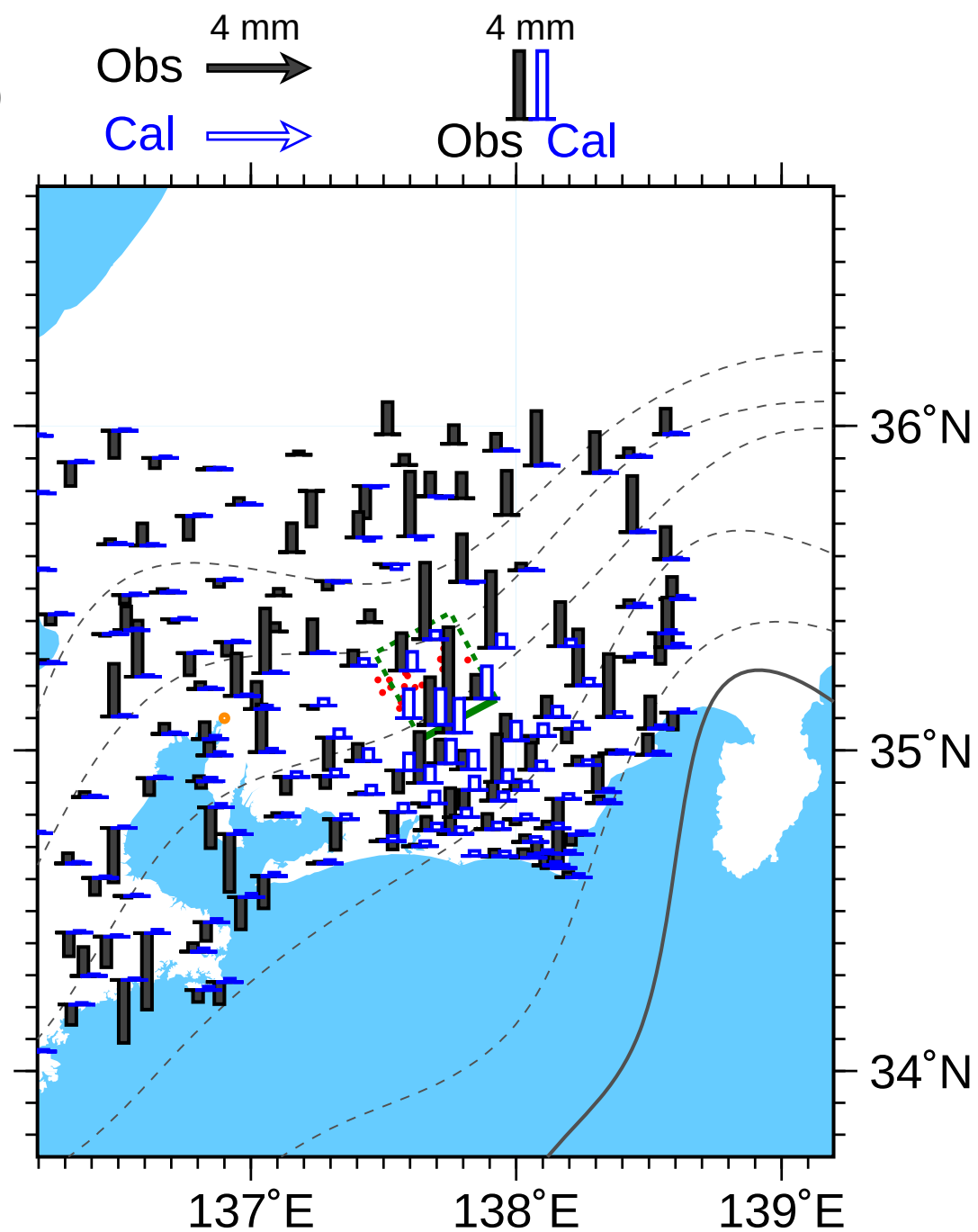


- 10 ○ 100 ○ 1000

Date: Apr-20-2010 class2 Duration: 12 days
len: 29.480 wid: 36.524 str: 242.005 dip: 23.432 rak: 82.049
slp: 13.5 Mw: 5.78 CC: 0.564 RC2: 1.3566e+02



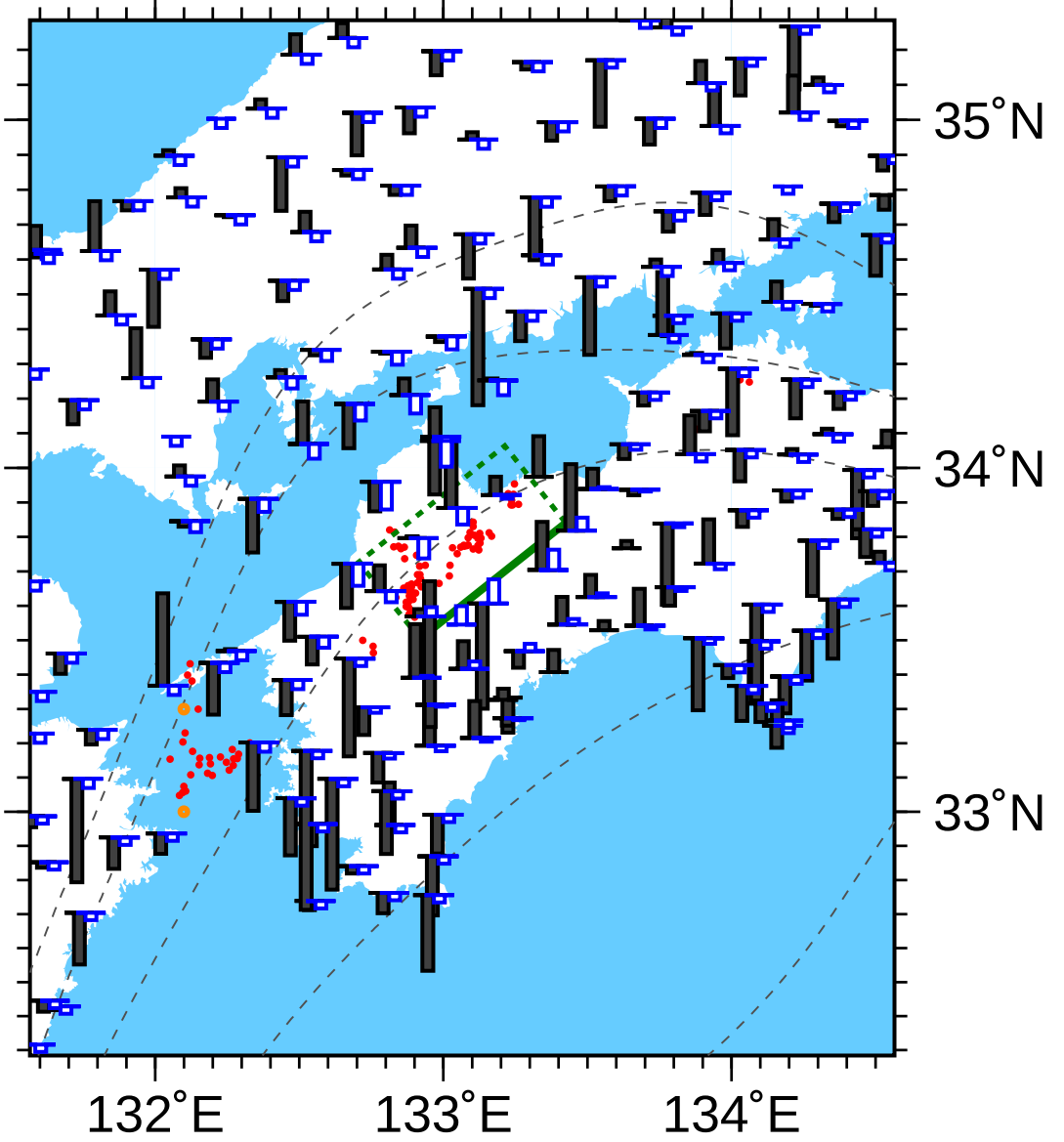
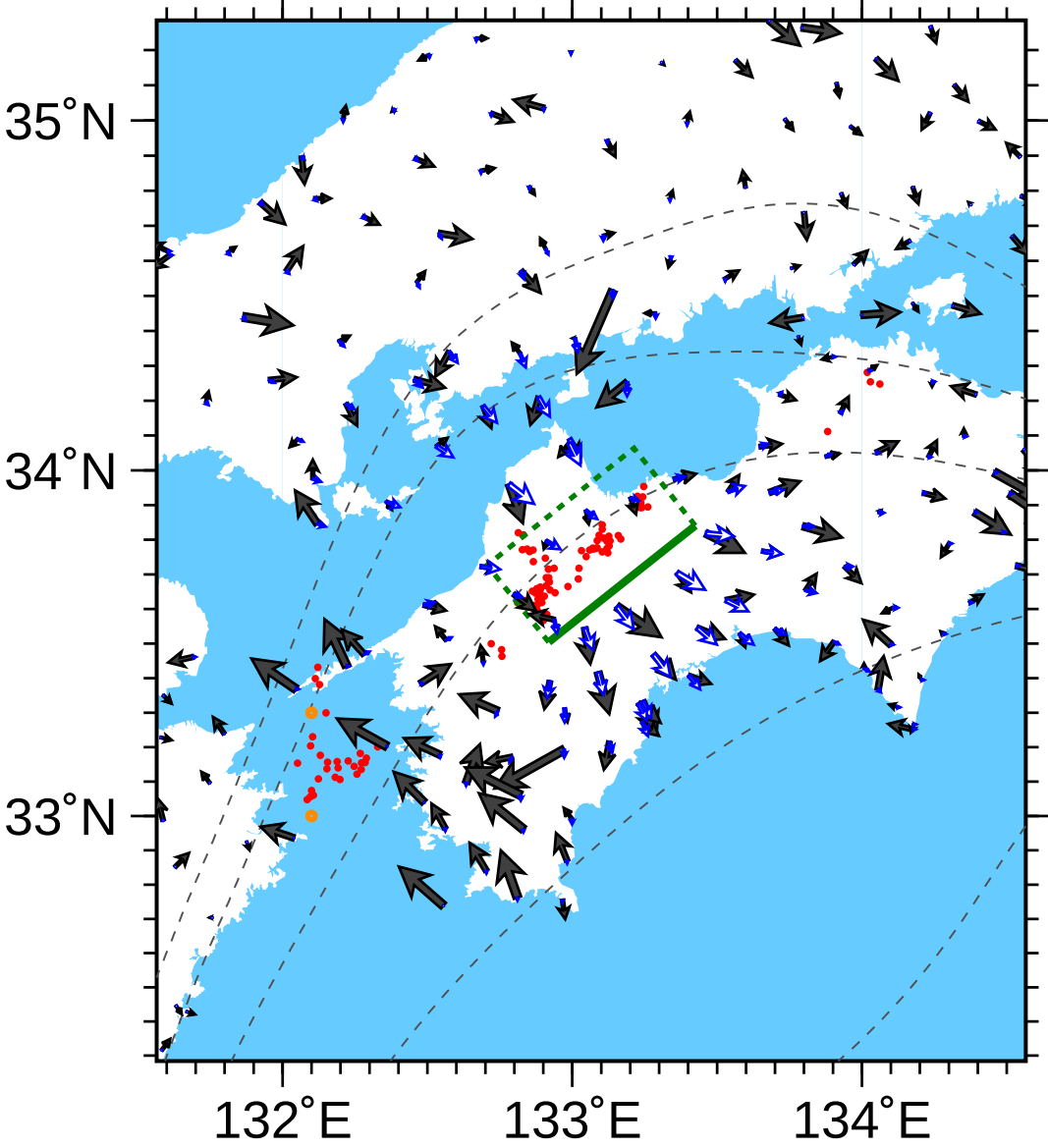
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Jul-10-2010 class2 Duration: 16 days
len: 59.933 wid: 31.775 str: 231.503 dip: 6.731 rak: 100.763
slp: 10 Mw: 5.86 CC: 0.630 RC2: 1.4612e+02

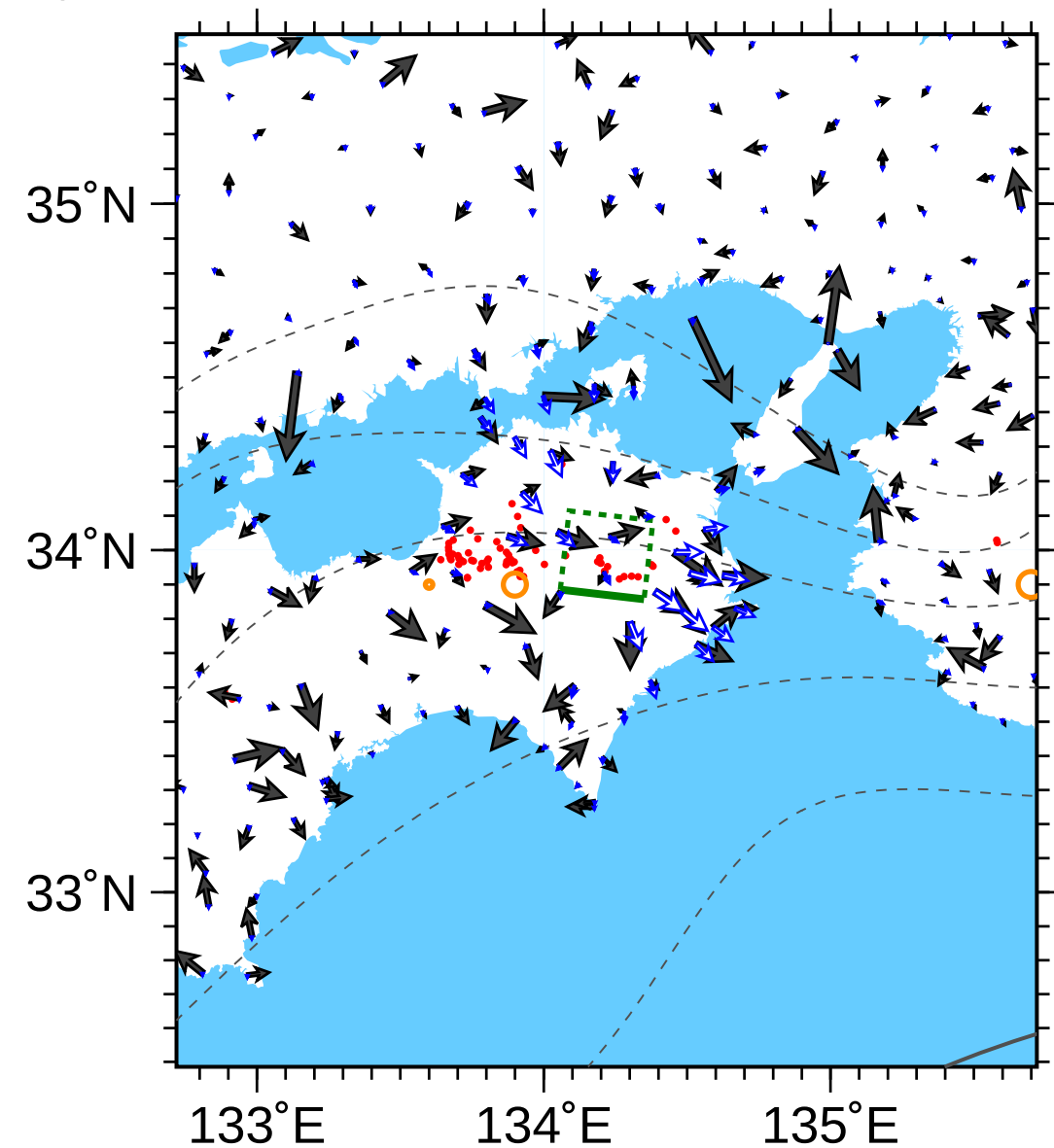
4 mm
Obs $\longrightarrow$
Cal $\Longrightarrow$
4 mm
Obs Cal



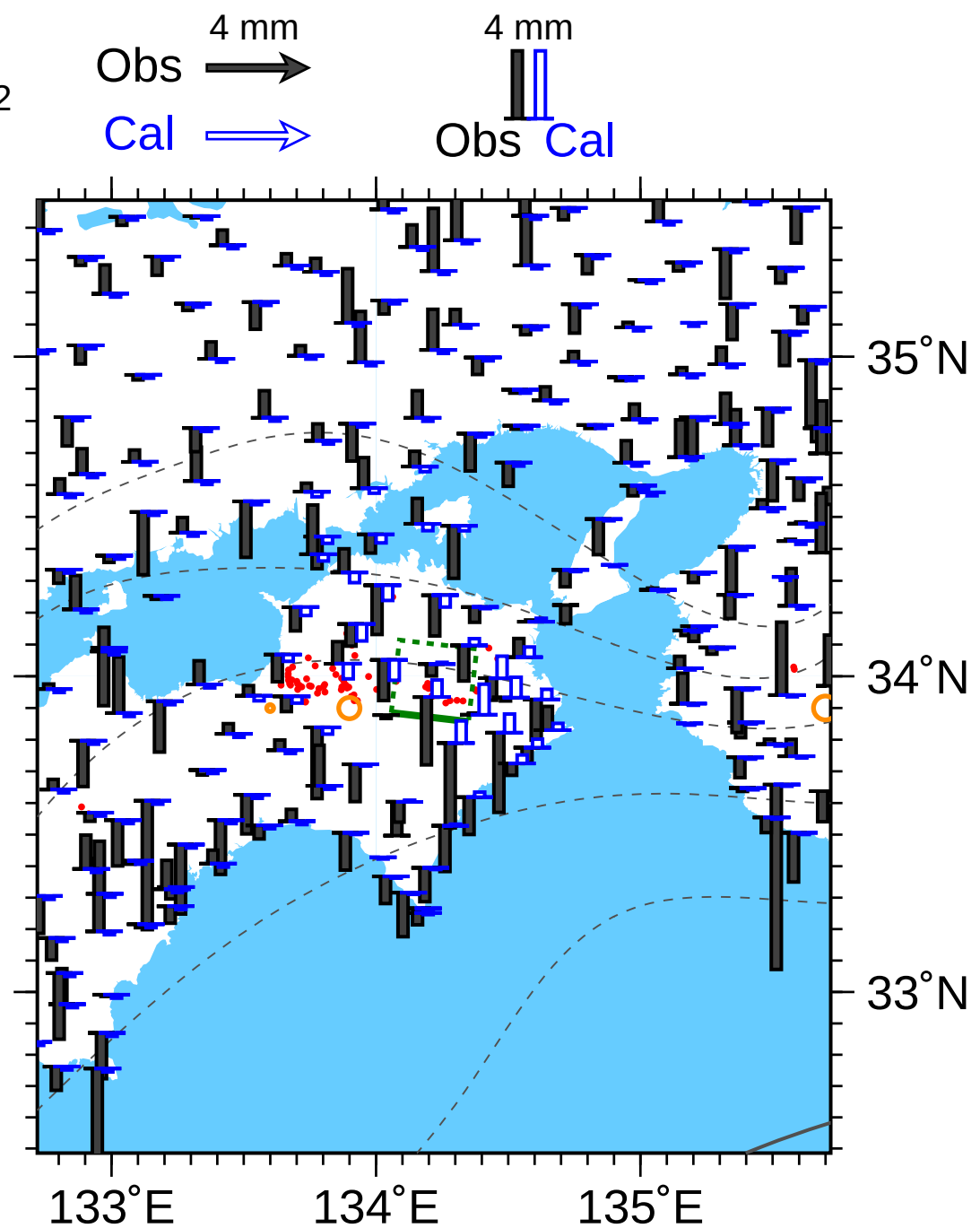
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

Date: Jul-22-2010 class2 Duration: 16 days
len: 27.197 wid: 26.434 str: 276.493 dip: 15.044 rak: 144.872
slp: 18.5 Mw: 5.75 CC: 0.692 RC2: 1.1859e+02



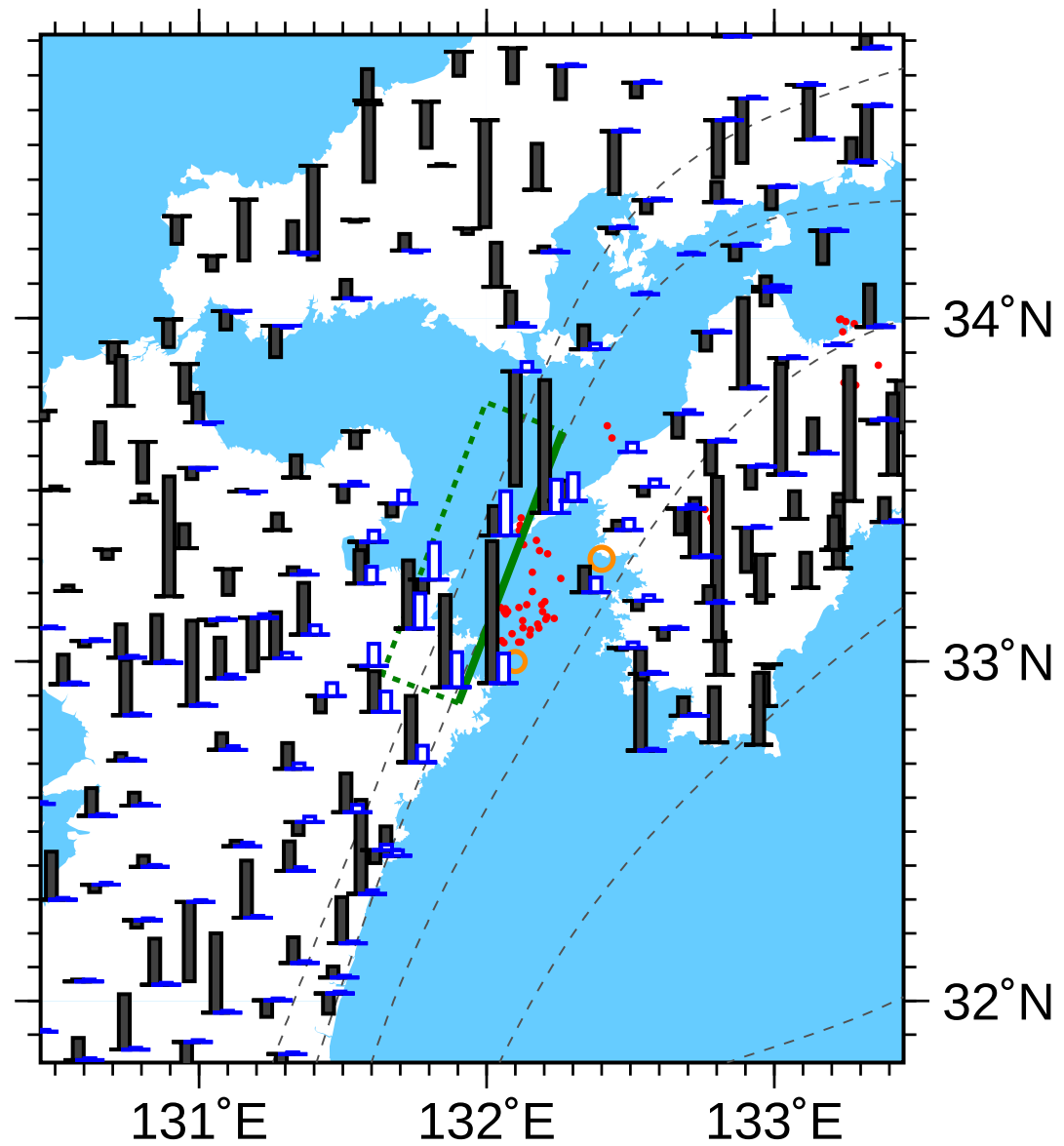
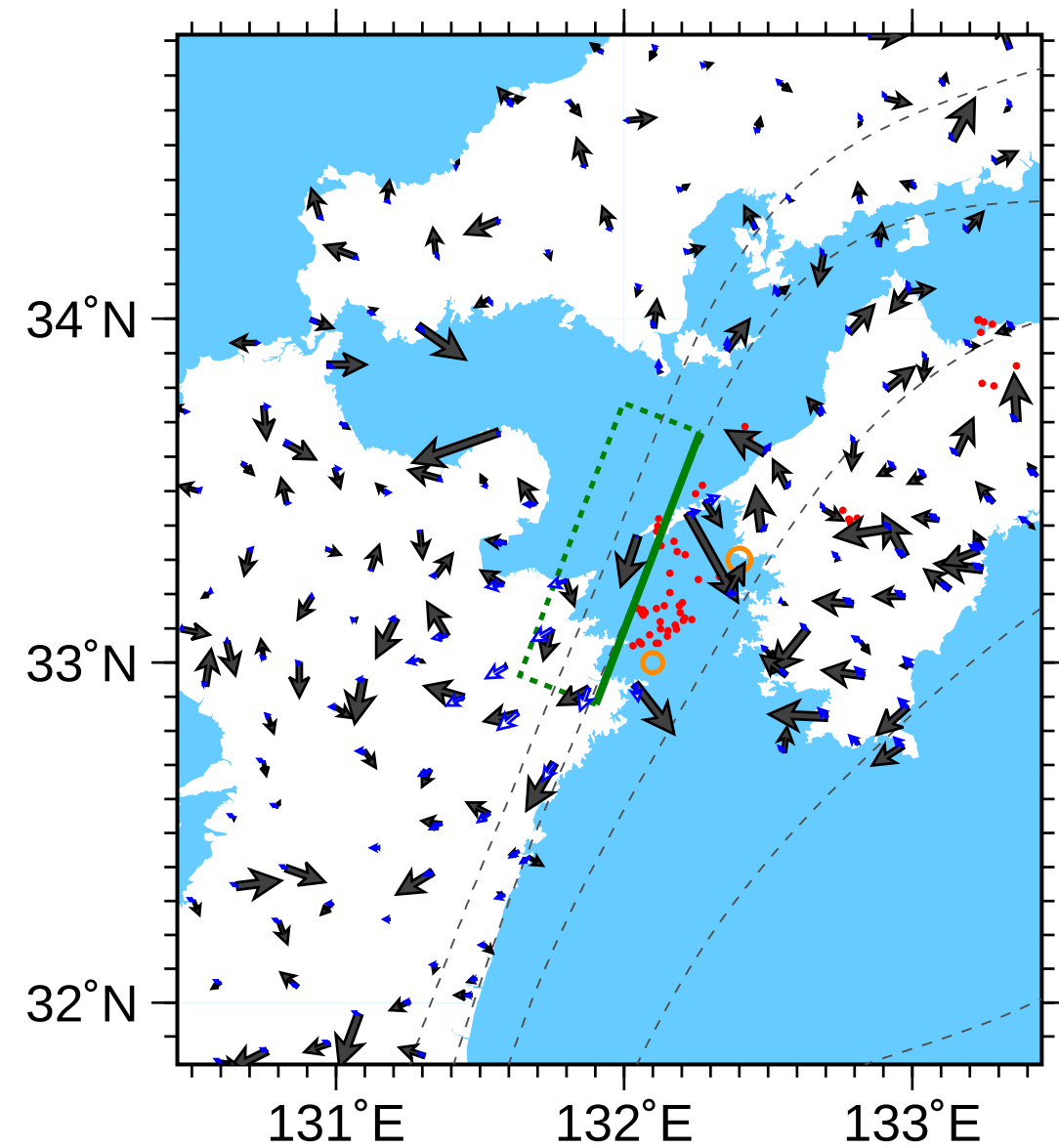
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Sep-21-2010 class2 Duration: 38 days
len: 94.181 wid: 34.227 str: 200.925 dip: 39.479 rak: 68.811
slp: 13.3 Mw: 6.09 CC: 0.679 RC2: 7.0876e+01

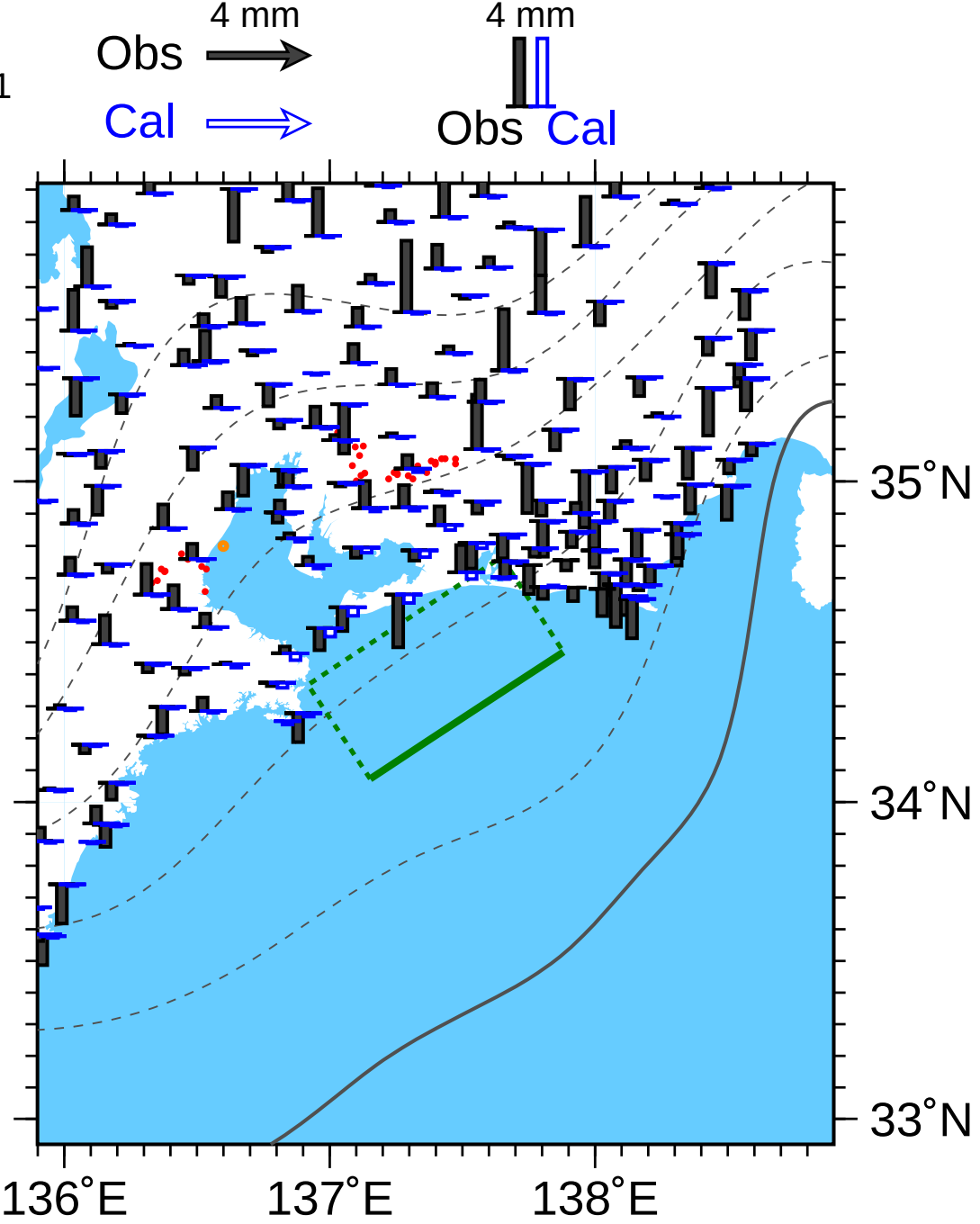
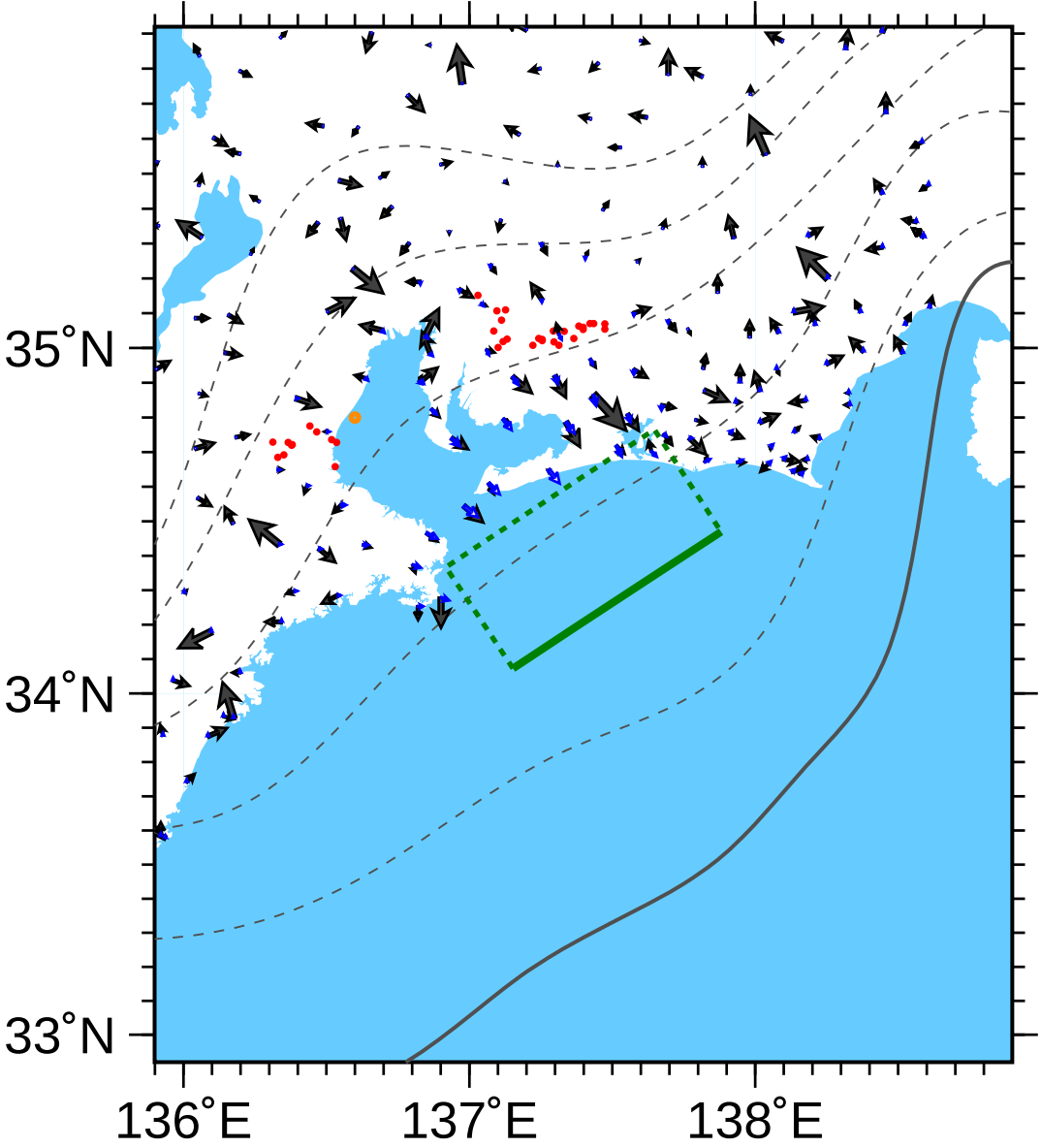
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Nov-15-2010 class2 Duration: 2 days
len: 80.215 wid: 40.669 str: 236.652 dip: 15.720 rak: 101.051
slp: 3.1 Mw: 5.67 CC: 0.488 RC2: 9.9879e+01



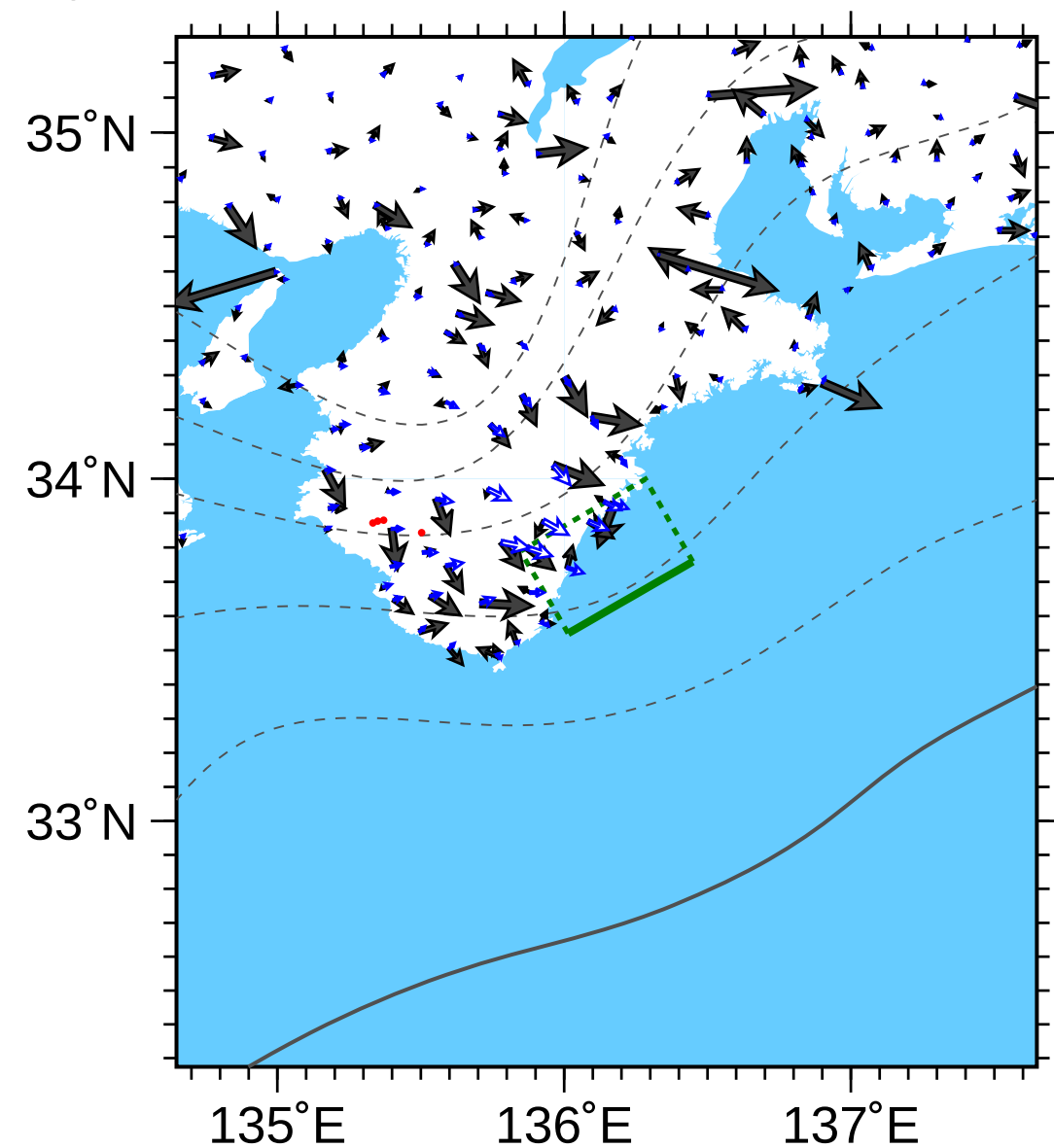
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



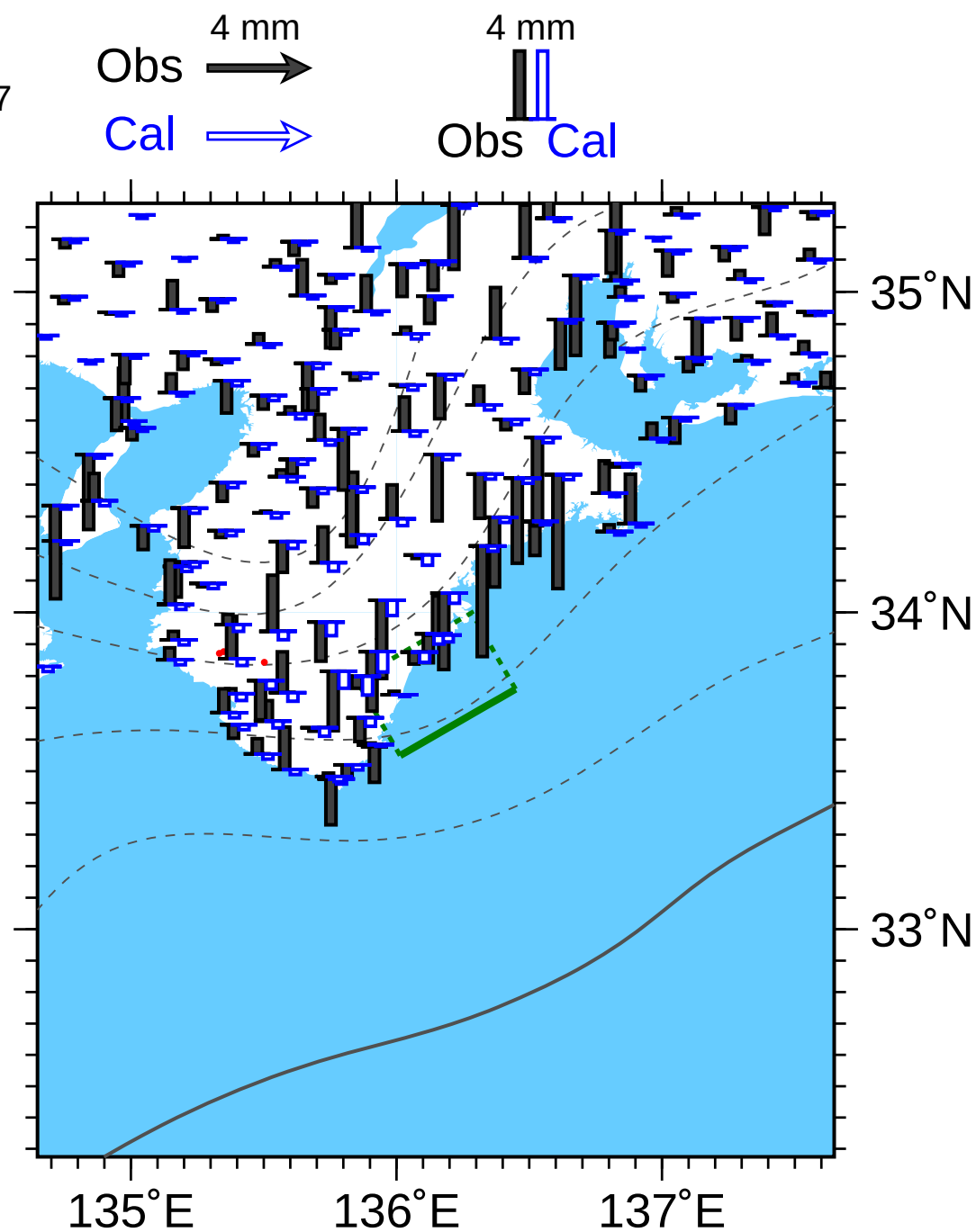
Date: Feb-3-2011 class2 Duration: 7 days

len: 46.506 wid: 31.716 str: 240.018 dip: 14.568 rak: 115.507

slp: 9.4 Mw: 5.76 CC: 0.536 RC2: 1.1096e+02

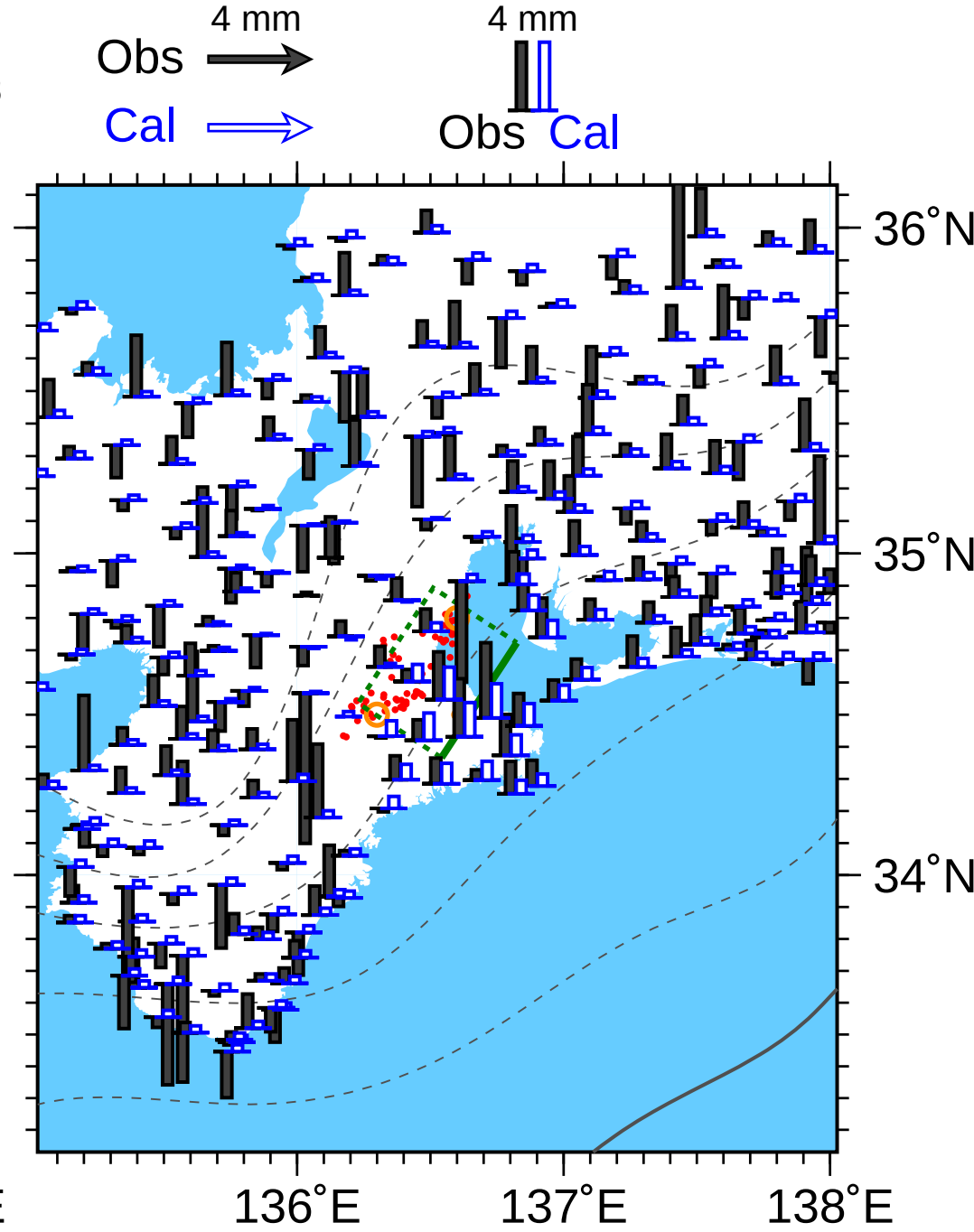
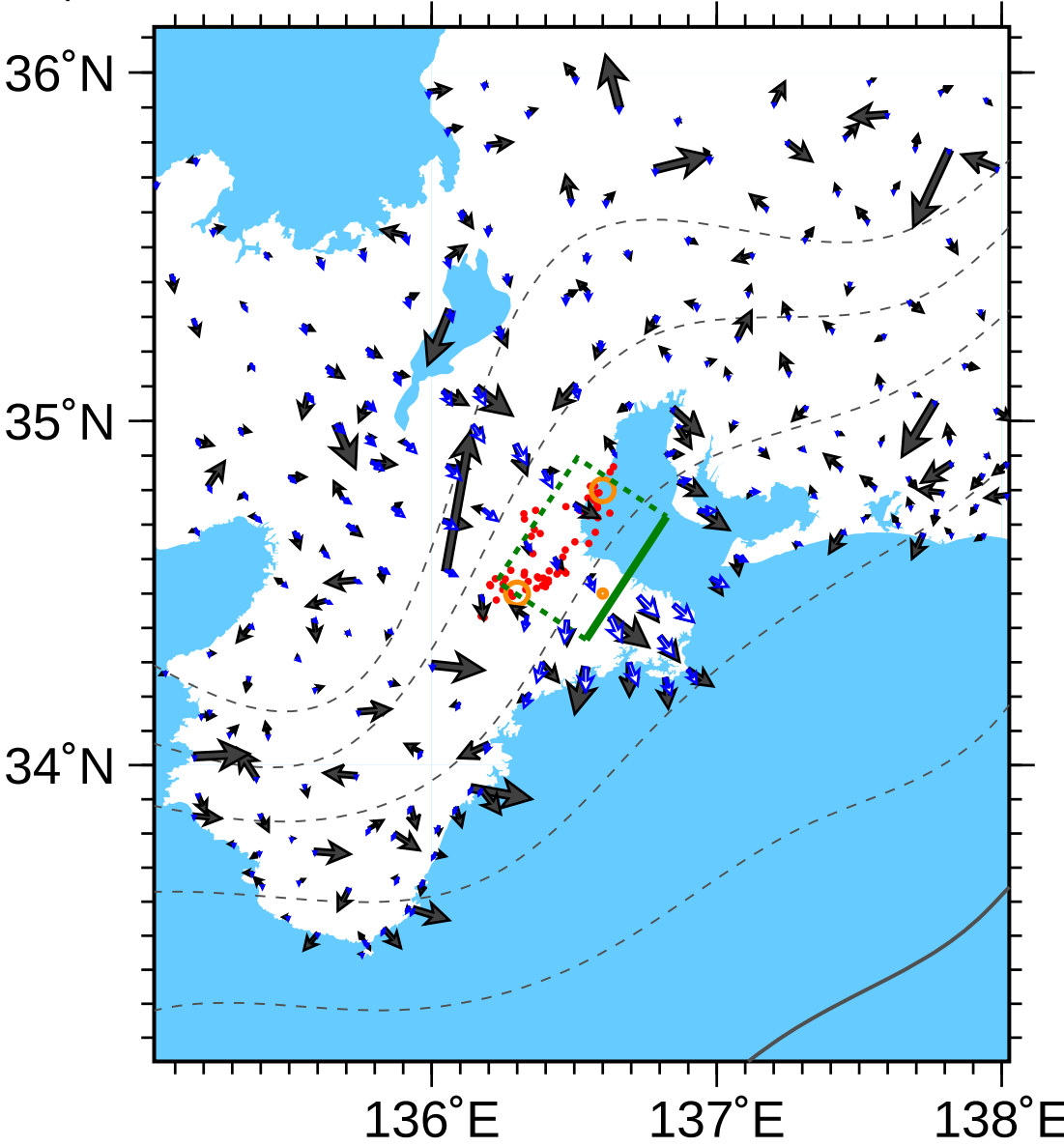


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

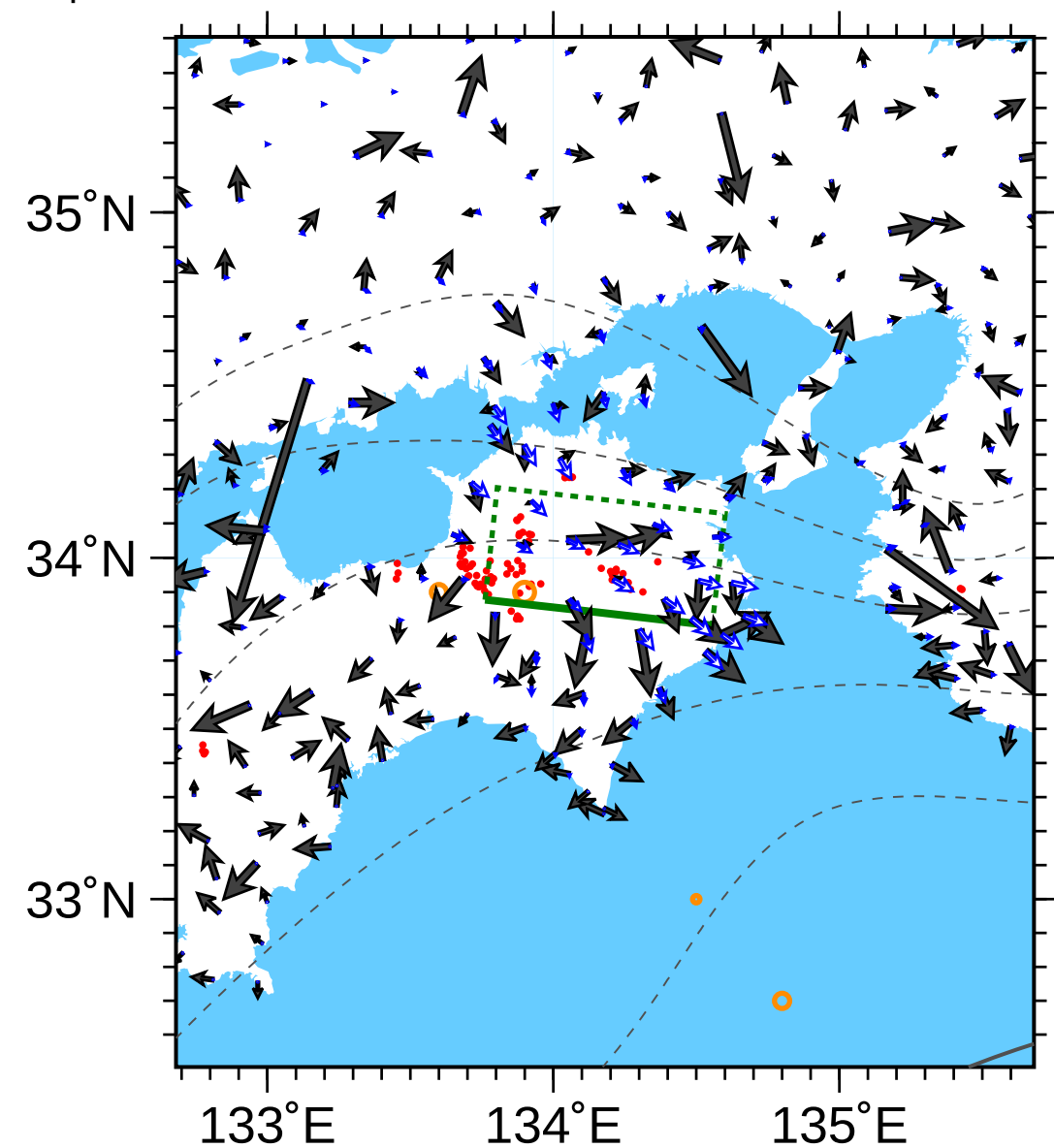
Date: Jun-28-2011 class2 Duration: 8 days
len: 47.354 wid: 36.002 str: 213.145 dip: 17.637 rak: 83.938
slp: 9 Mw: 5.79 CC: 0.606 RC2: 1.3865e+02



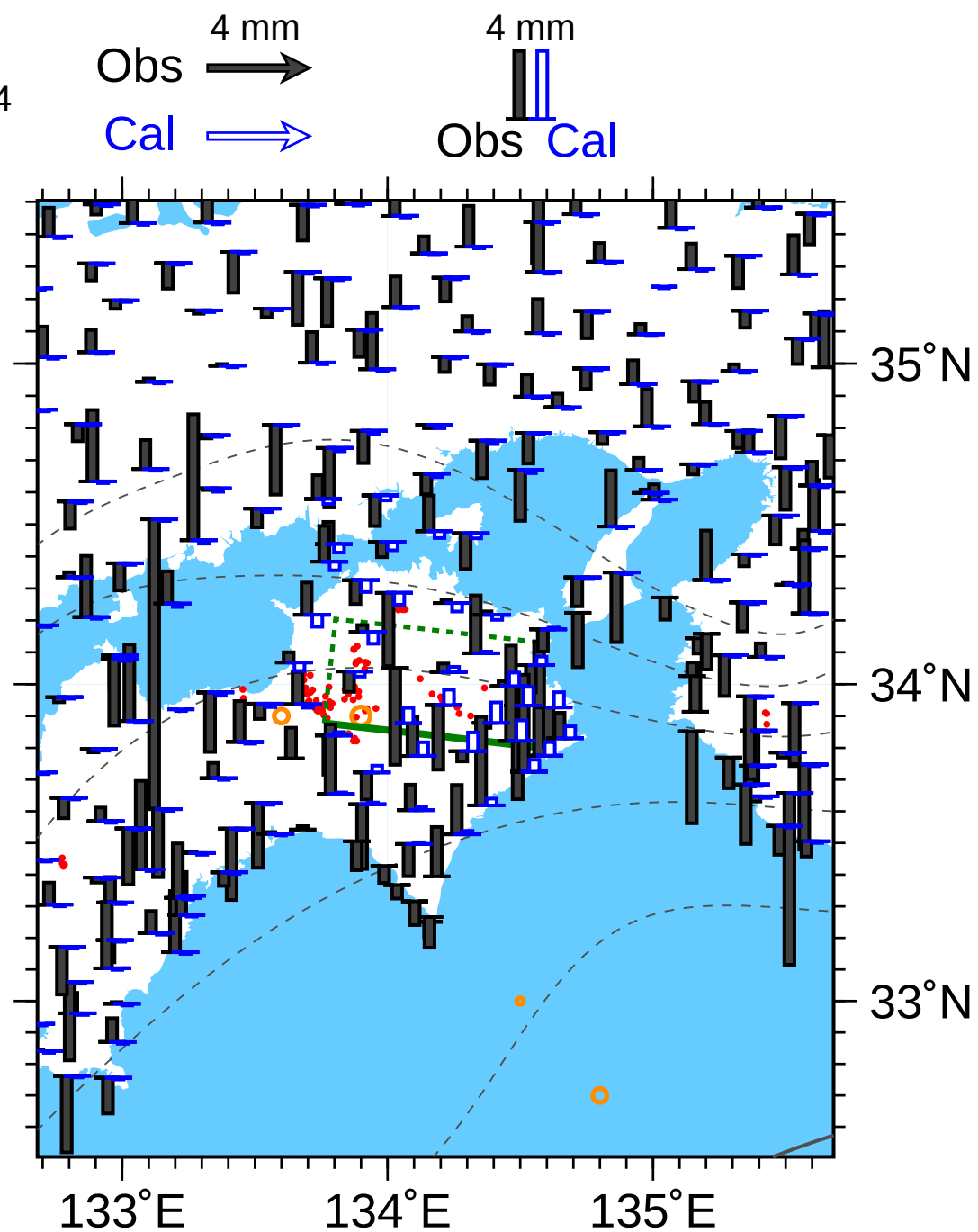
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jul-10-2011 class2 Duration: 37 days
len: 73.995 wid: 37.789 str: 276.503 dip: 15.498 rak: 134.194
slp: 6.1 Mw: 5.82 CC: 0.505 RC2: 8.2067e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

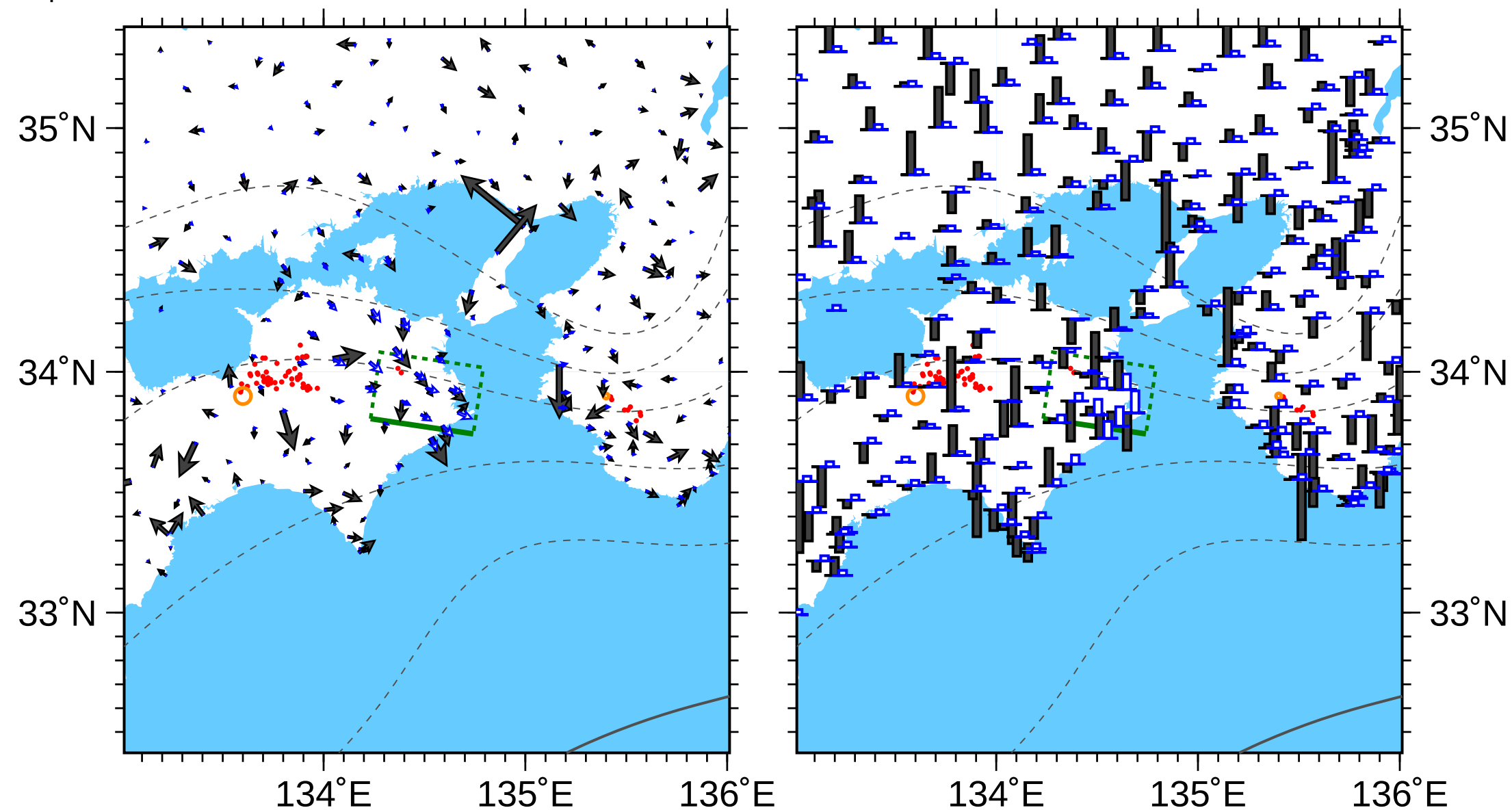


- 10
- 100
- 1000

Date: Oct-7-2011 class2 Duration: 8 days

len: 47.661 wid: 32.112 str: 278.428 dip: 16.442 rak: 148.388

slp: 7.5 Mw: 5.71 CC: 0.581 RC2: 8.3565e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

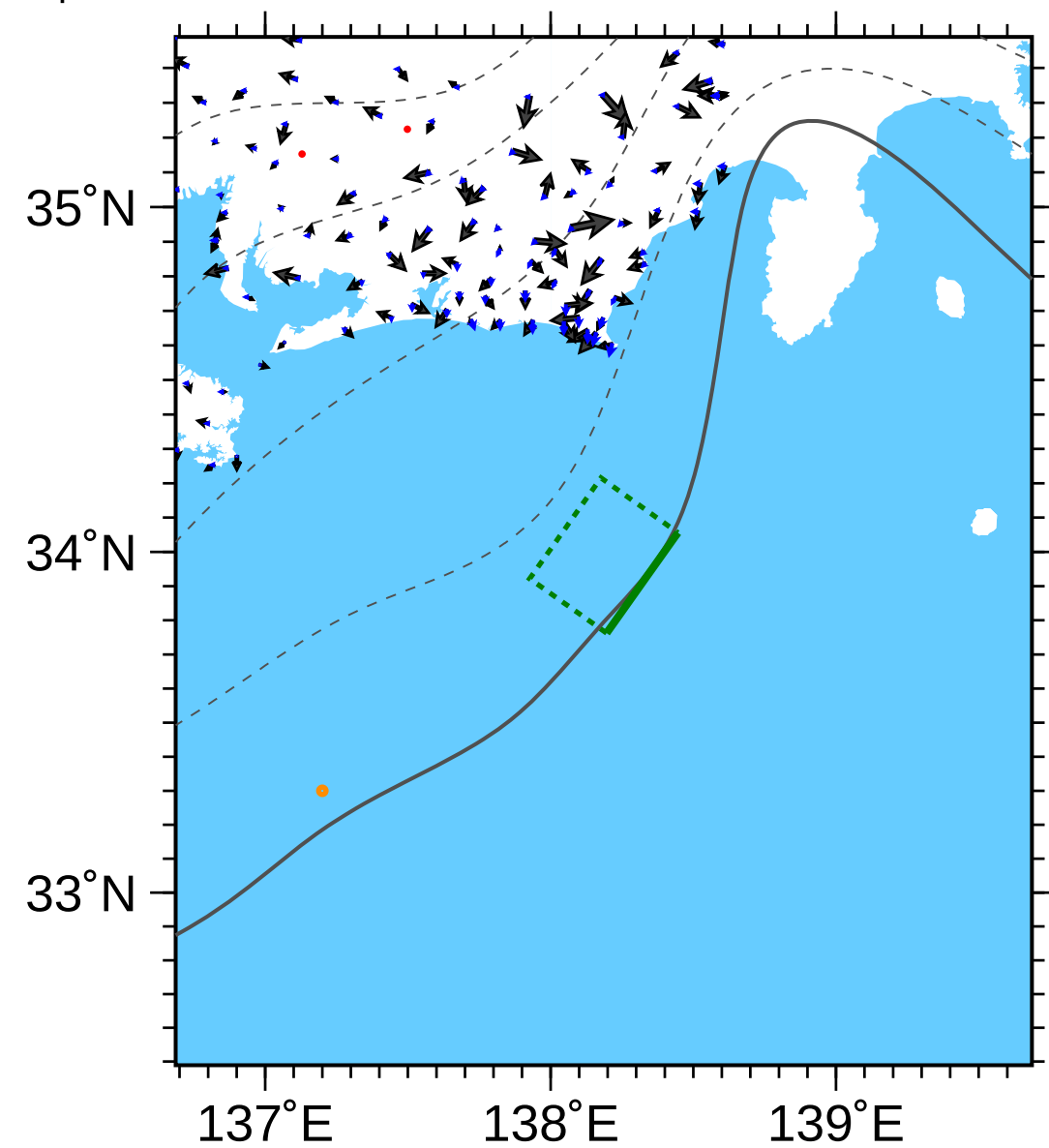
○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jan-14-2012 class2 Duration: 17 days

len: 39.925 wid: 30.957 str: 215.356 dip: 9.401 rak: 62.861

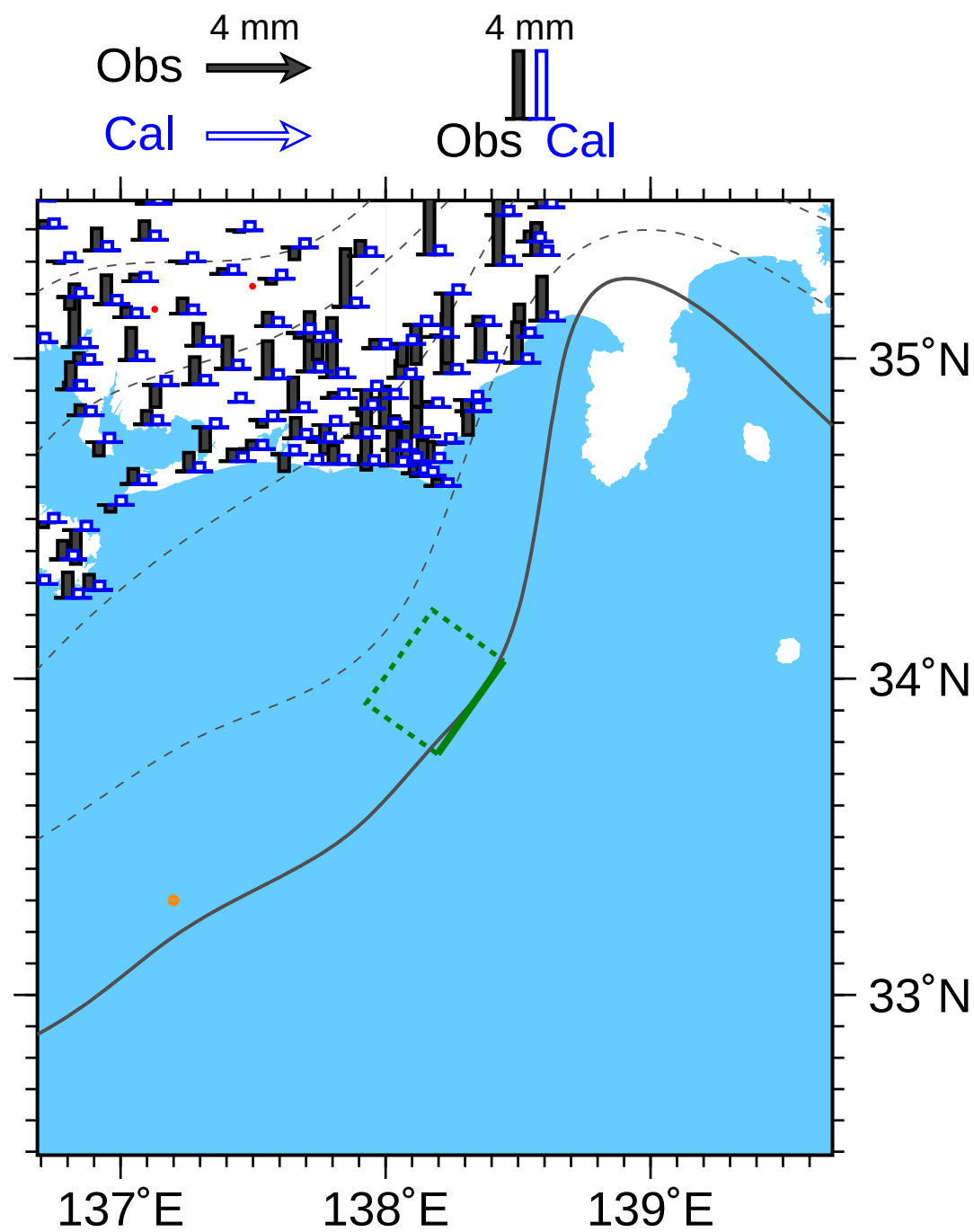
slp: 27.5 Mw: 6.02 CC: 0.408 RC2: 6.3823e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

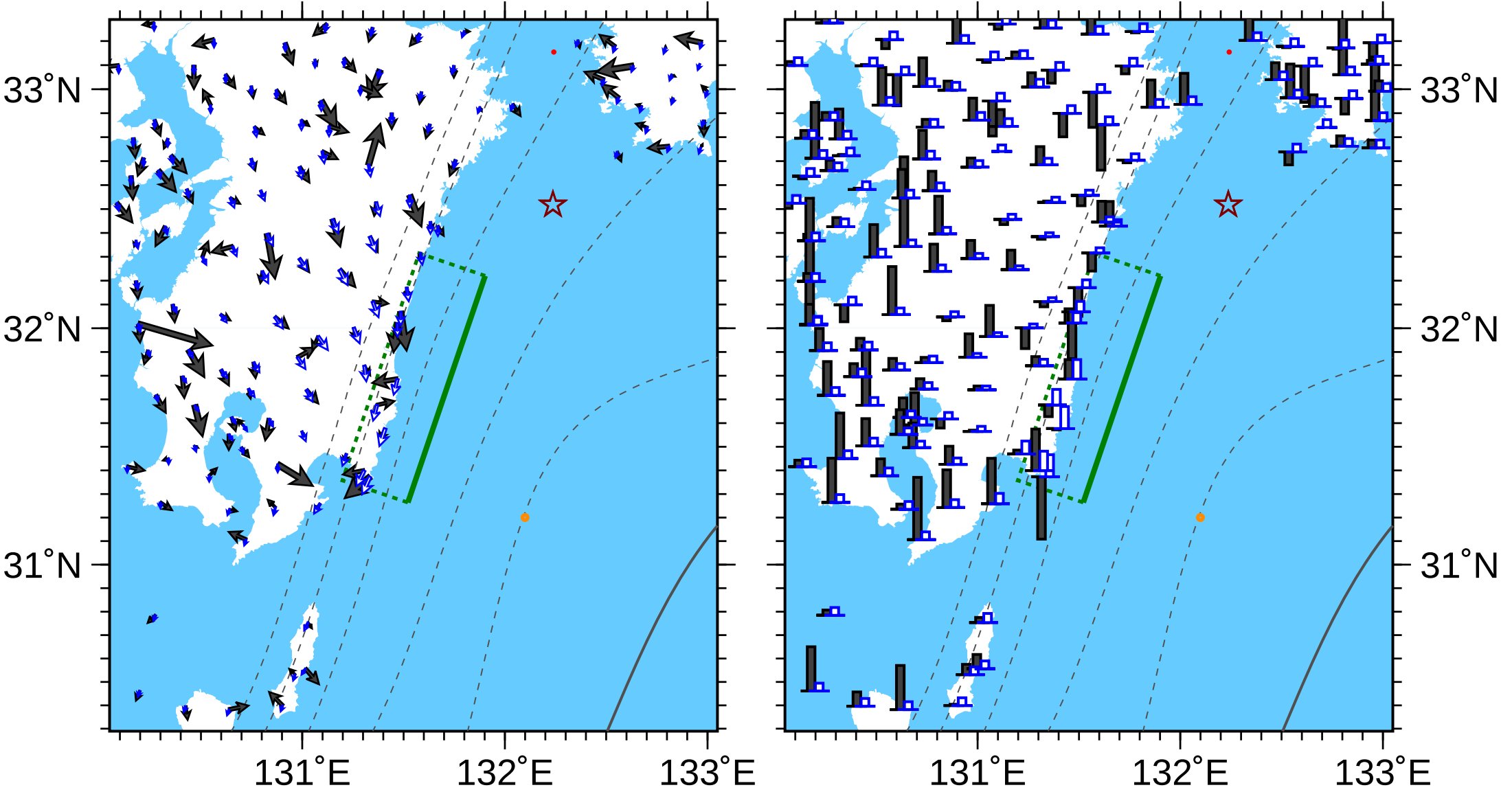
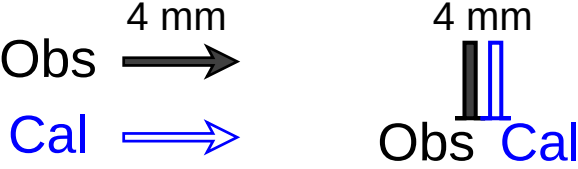
☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)



○ ○ ○
10 100 1000

Date: Feb-7-2012 class2 Duration: 32 days
len: 112.042 wid: 36.467 str: 198.712 dip: 27.018 rak: 65.743
slp: 6.7 Mw: 5.96 CC: 0.565 RC2: 1.2624e+02



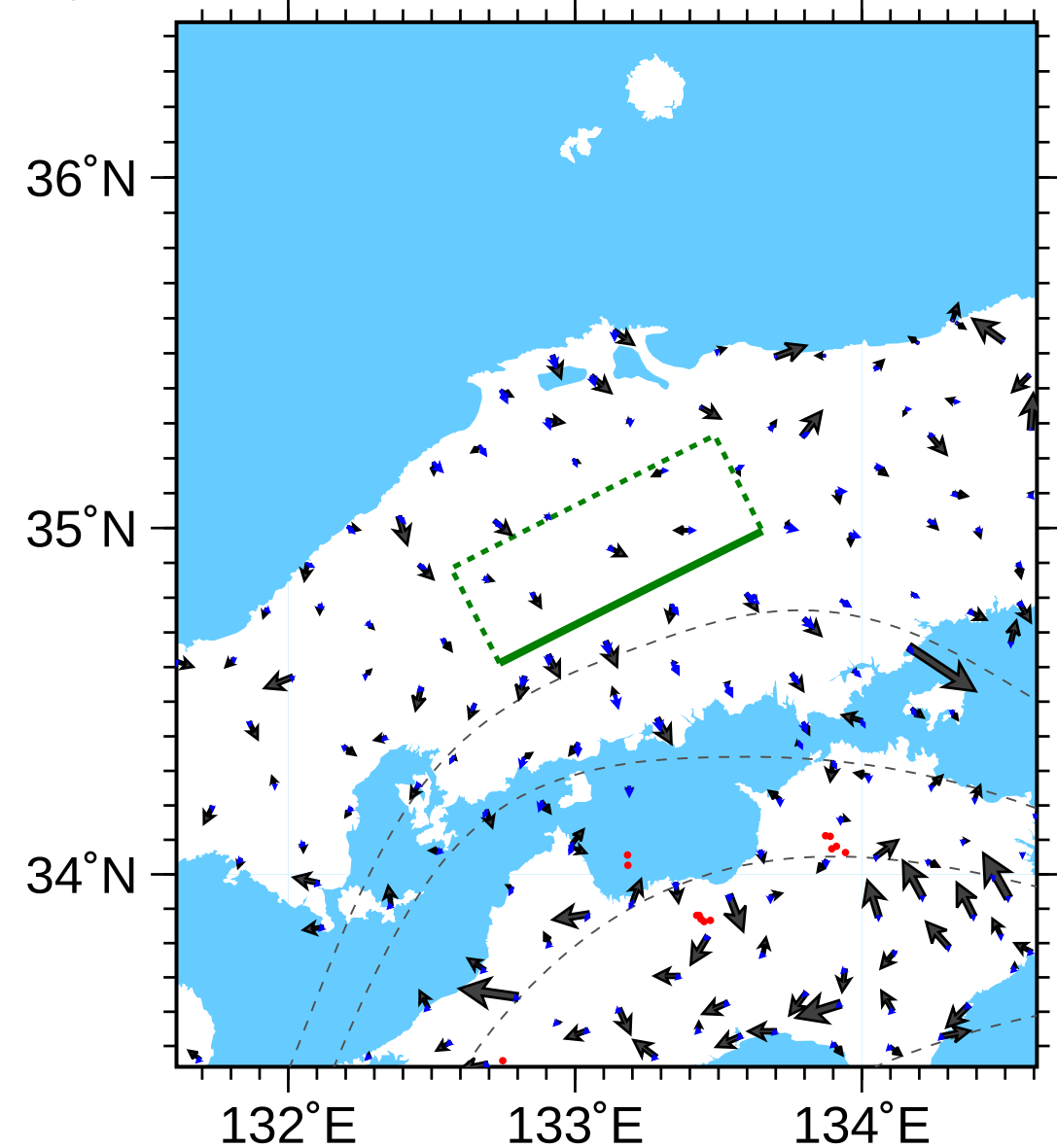
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



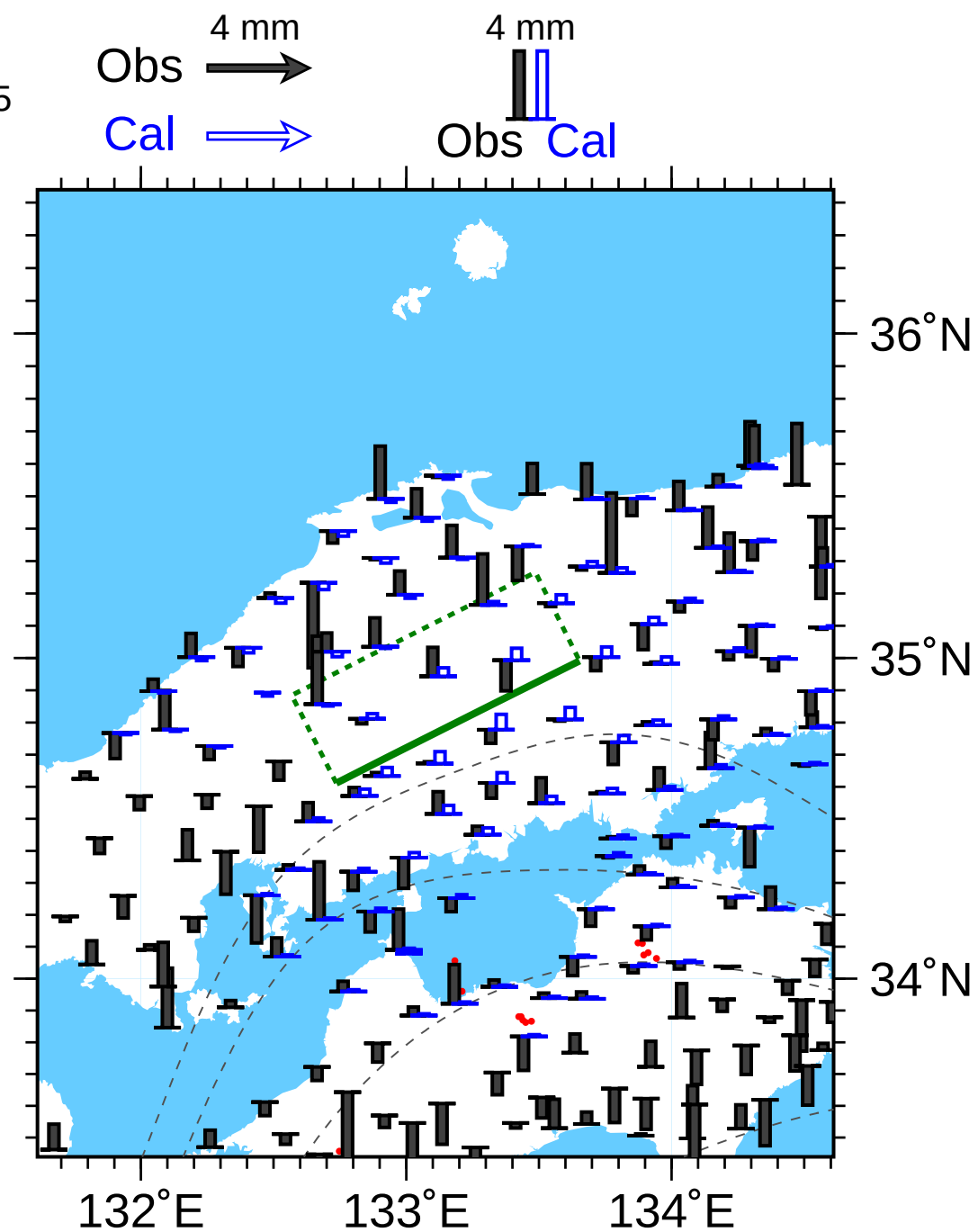
Date: Feb-27-2012 class2 Duration: 26 days

len: 93.840 wid: 35.181 str: 243.279 dip: 15.113 rak: 115.945

slp: 6.7 Mw: 5.90 CC: 0.629 RC2: 7.4439e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



4 mm
Obs →
Cal →

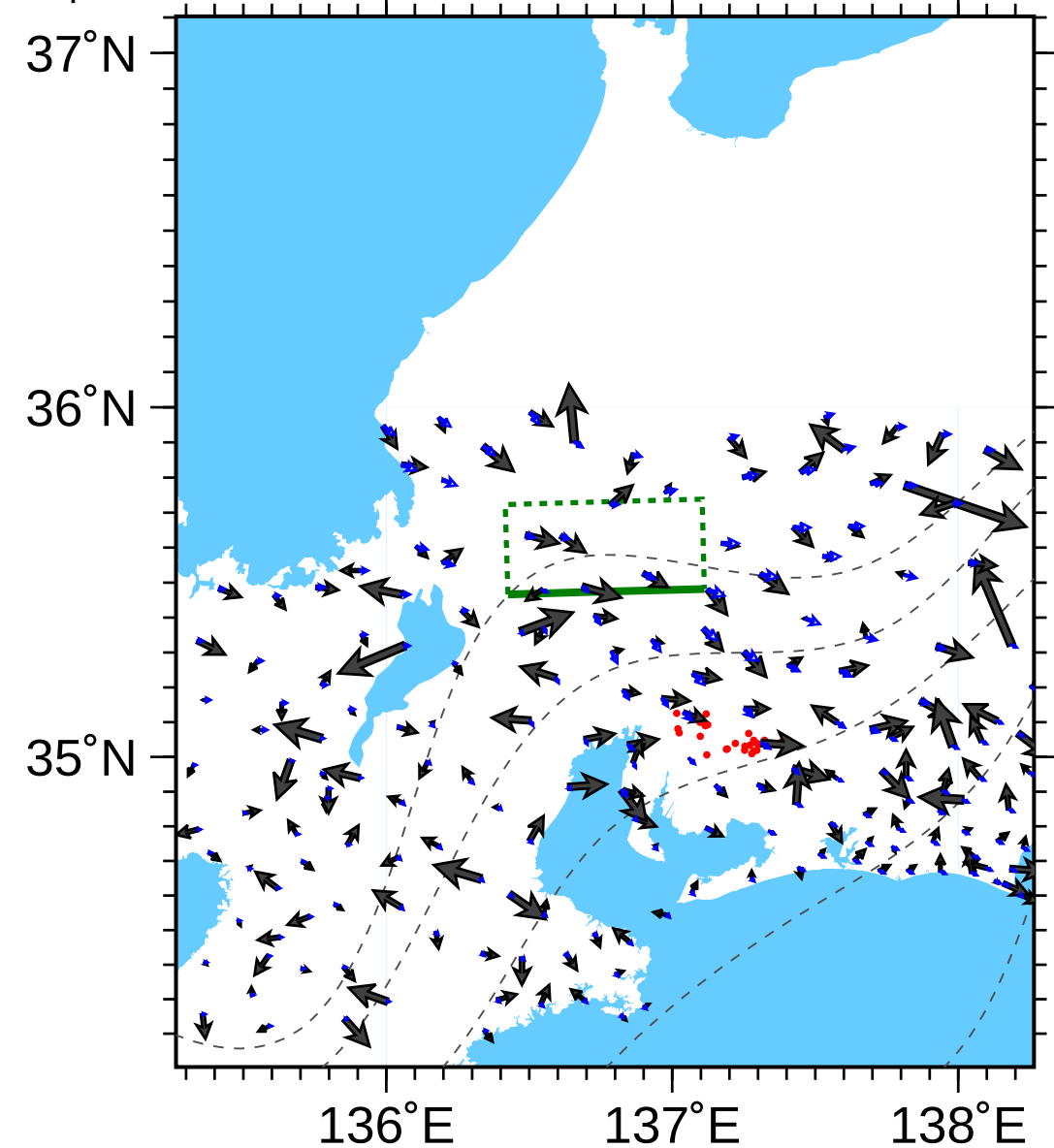
4 mm
Obs Cal



Date: Mar-16-2012 class2 Duration: 21 days

len: 62.324 wid: 30.239 str: 268.451 dip: 19.741 rak: 144.211

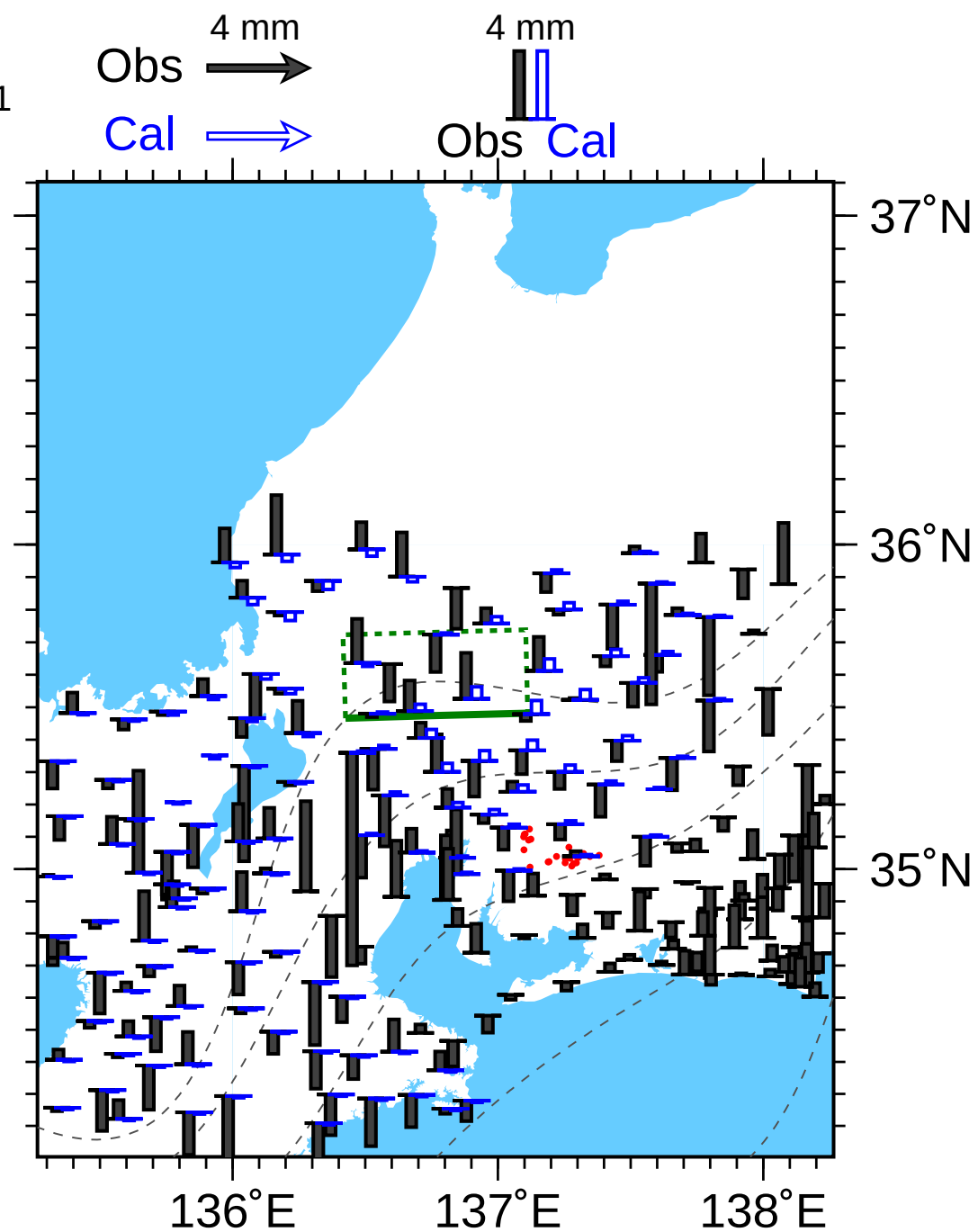
slp: 9.7 Mw: 5.84 CC: 0.574 RC2: 8.0732e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

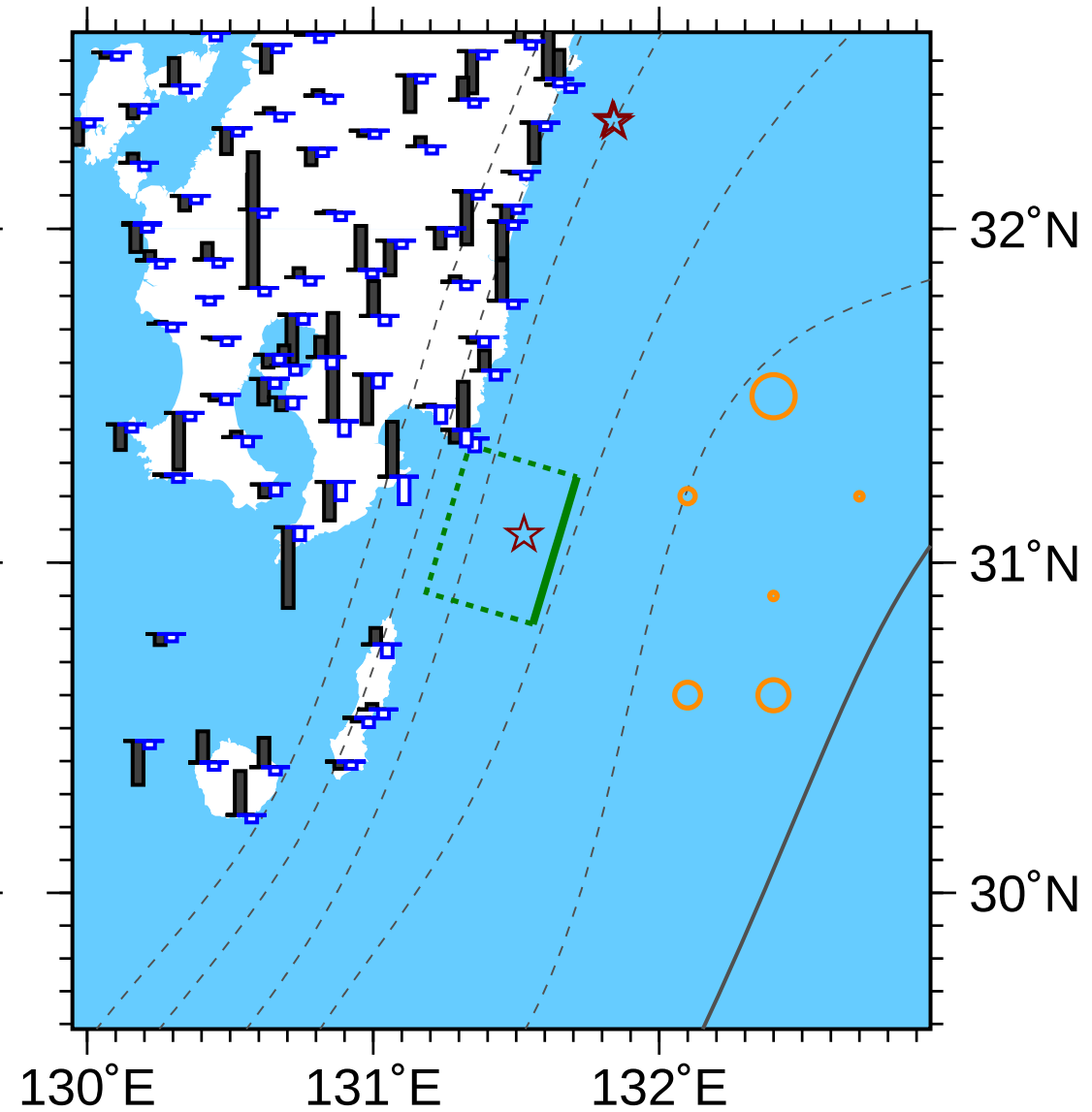
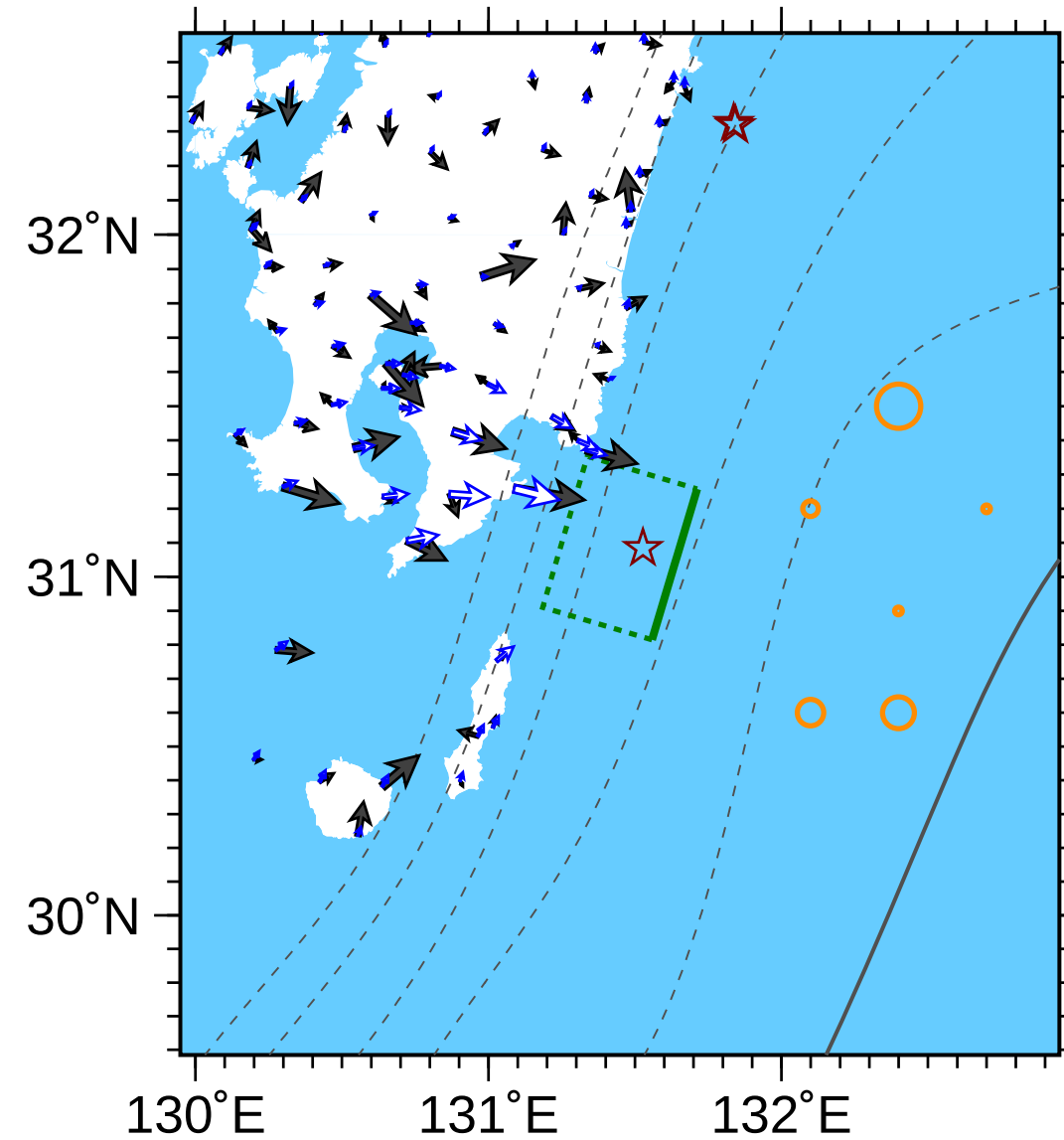
○ Very low frequency earthquake (Baba et al., 2020)



○ ○ ○
10 100 1000

Date: Apr-10-2012 class2 Duration: 17 days
len: 51.246 wid: 39.445 str: 196.587 dip: 19.421 rak: 92.001
slp: 16.1 Mw: 6.01 CC: 0.617 RC2: 8.8971e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

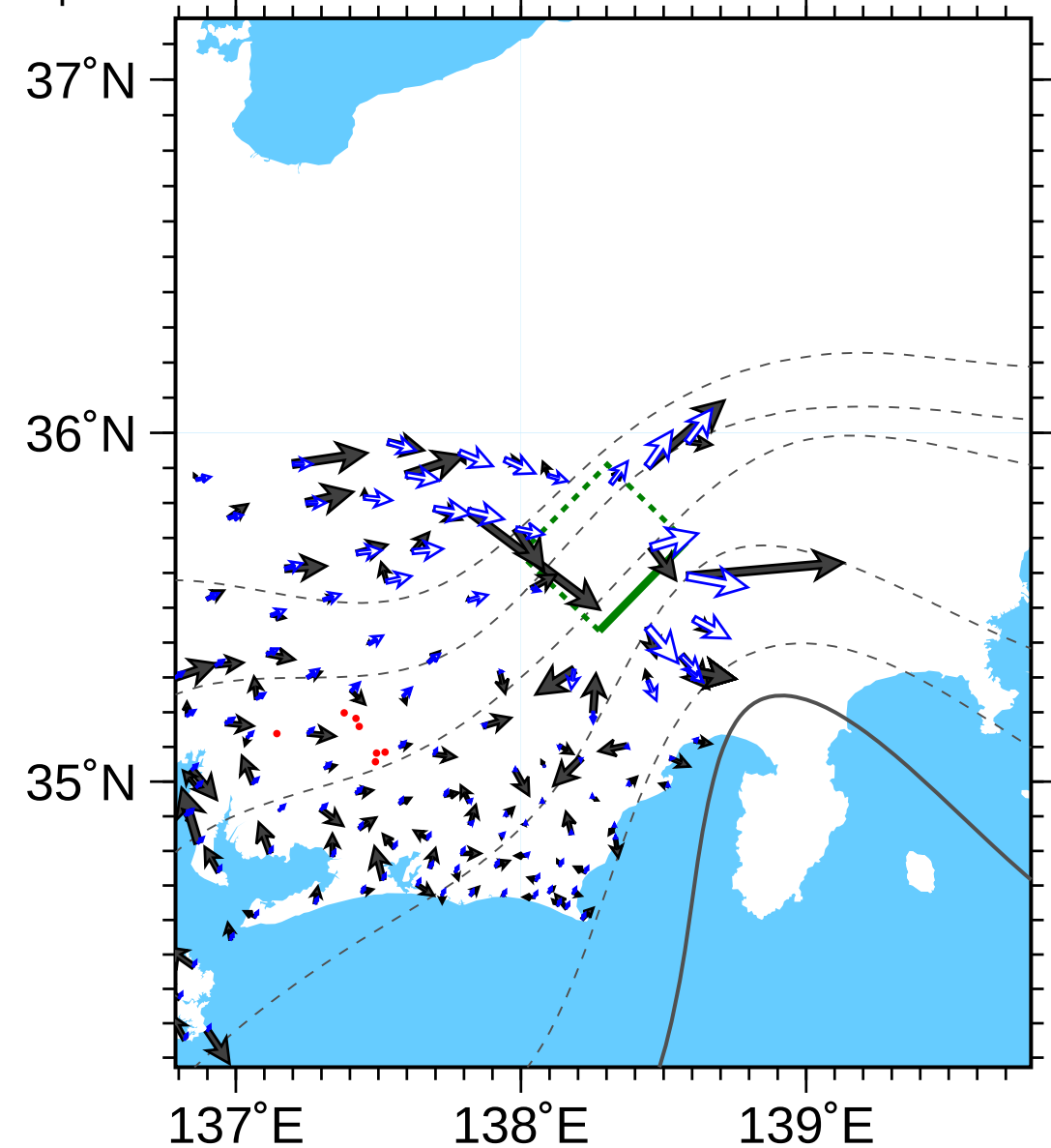
○ ○ ○
10 100 1000

Date: Jul-1-2012 class2 Duration: 37 days

len: 39.642 wid: 39.310 str: 224.189 dip: 27.092 rak: 109.346

slp: 24.5 Mw: 6.06 CC: 0.640 RC2: 1.4628e+02

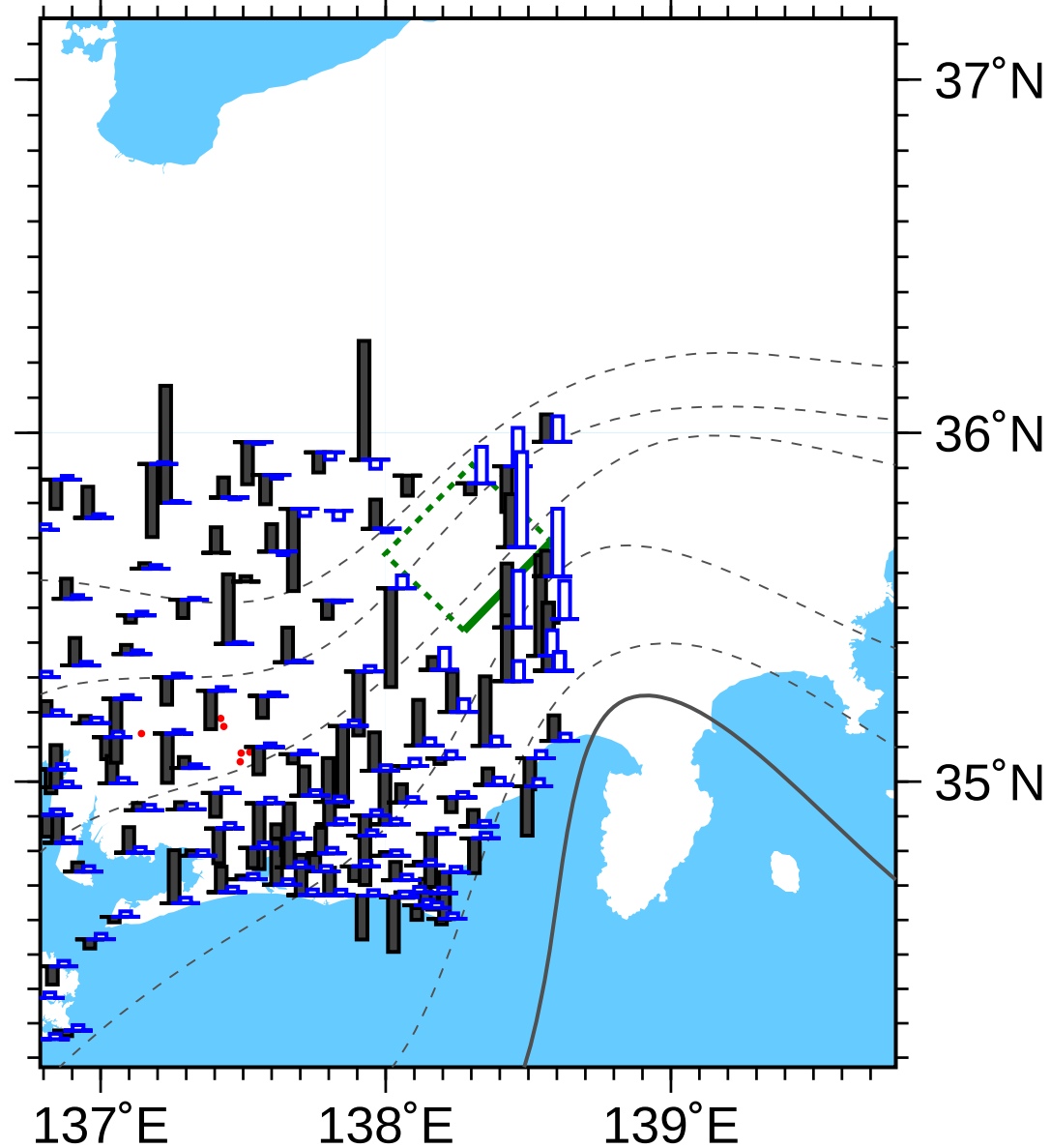
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)



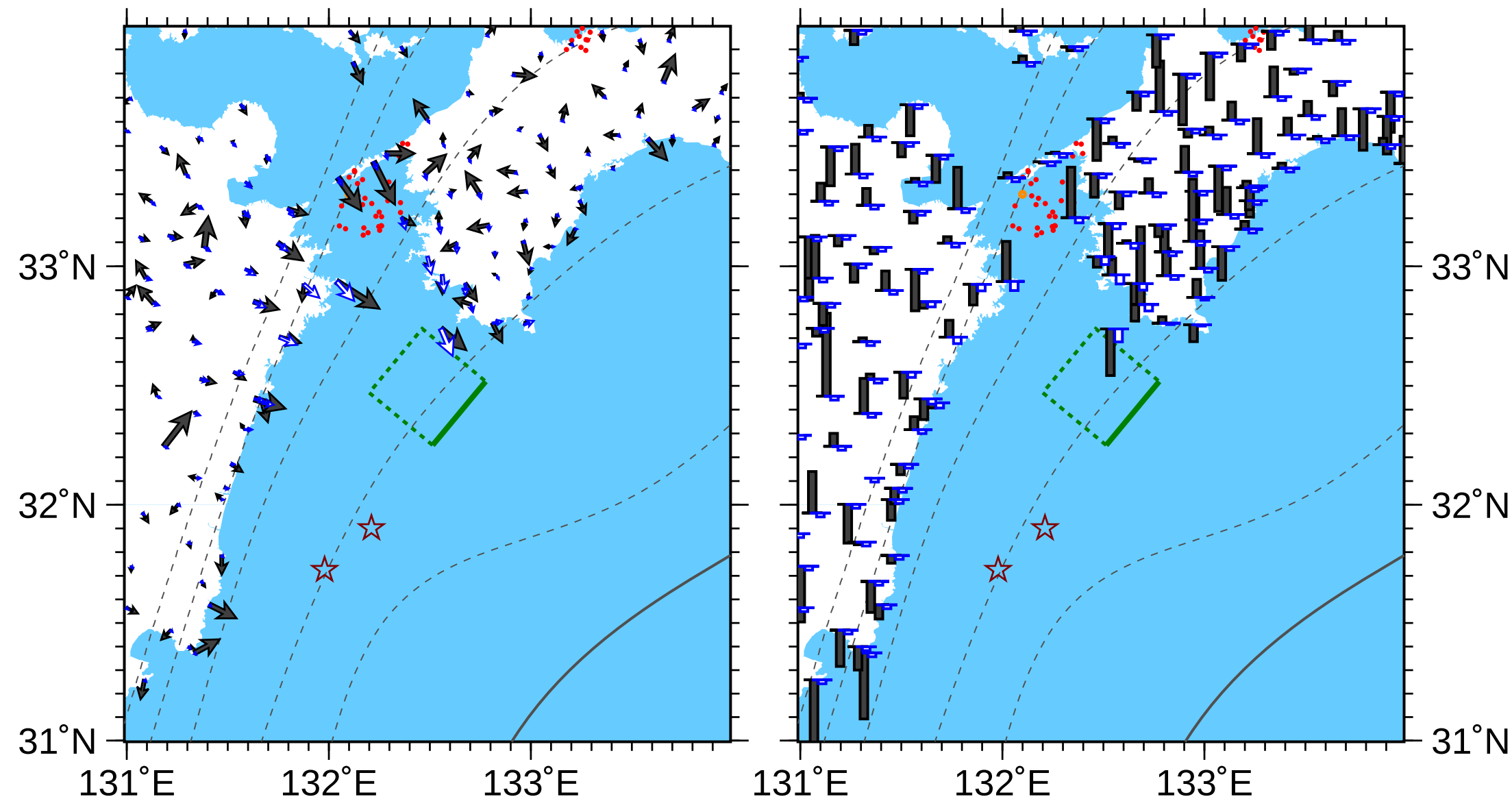
○ ○ ○
10 100 1000

Date: Sep-2-2012 class2 Duration: 5 days

len: 38.610 wid: 39.092 str: 219.685 dip: 11.116 rak: 86.306

slp: 21.4 Mw: 6.01 CC: 0.557 RC2: 6.0004e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



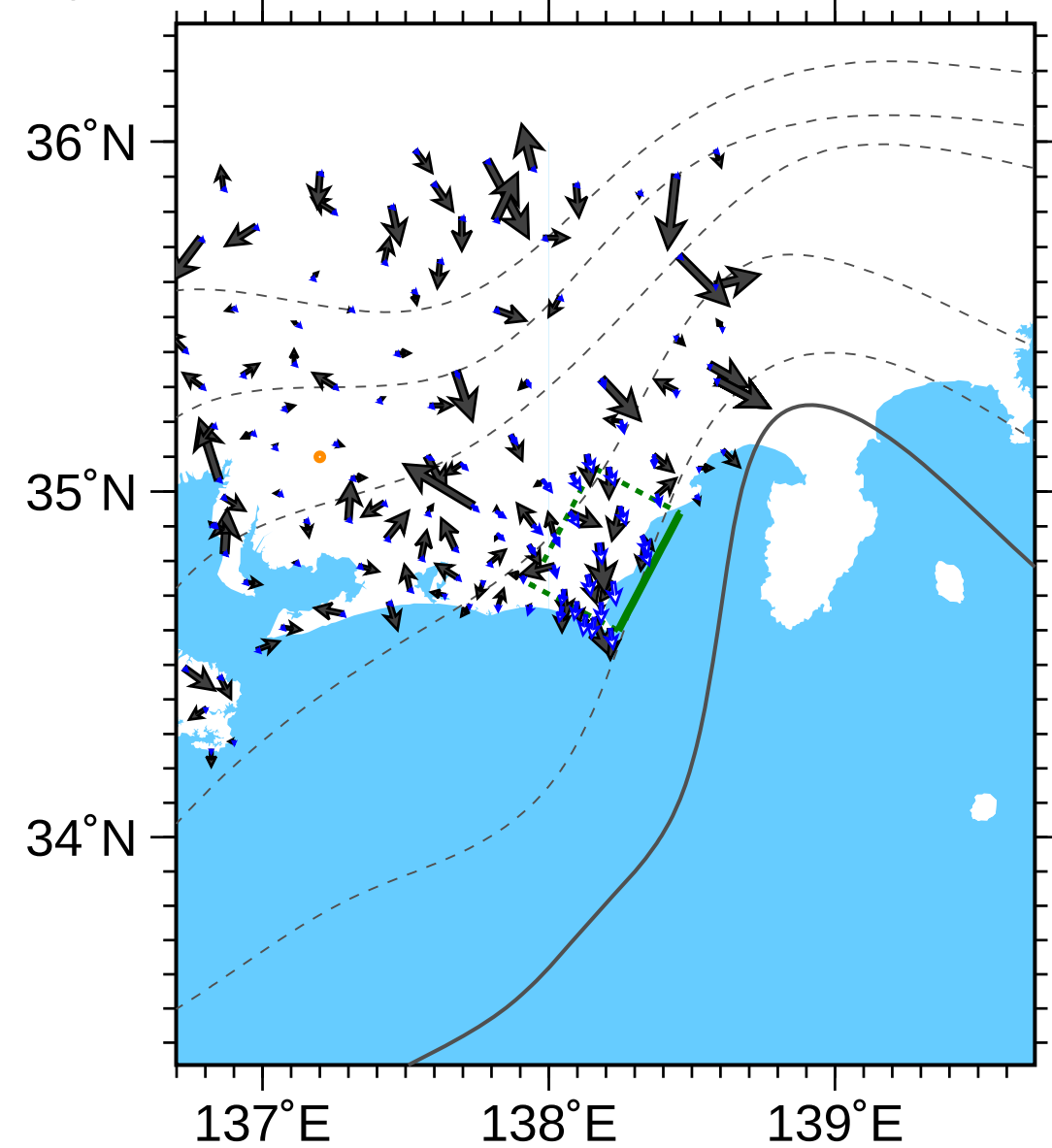
● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

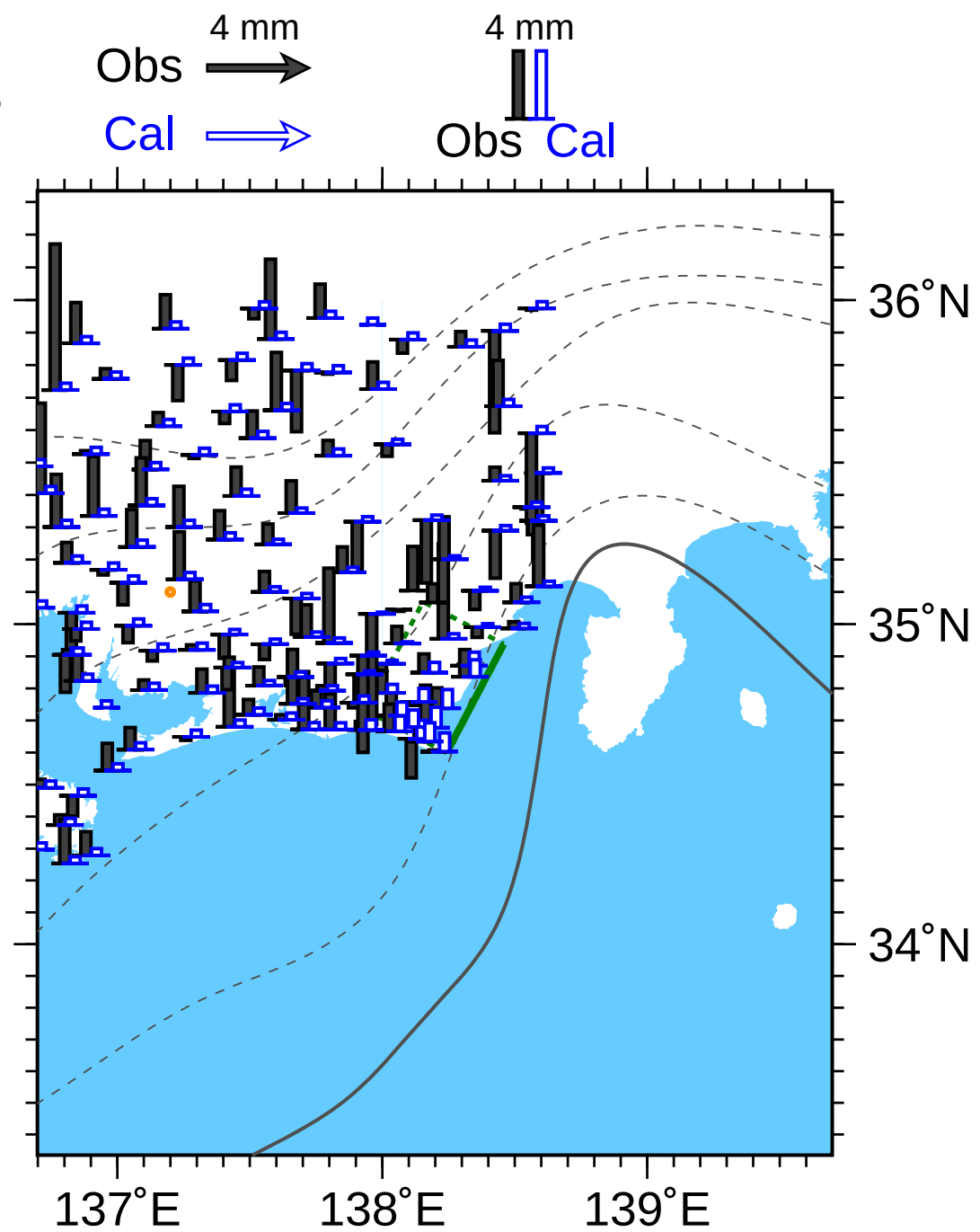
○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Sep-21-2012 class2 Duration: 23 days
len: 42.405 wid: 33.037 str: 207.678 dip: 17.933 rak: 45.713
slp: 2.8 Mw: 5.40 CC: 0.434 RC2: 5.2828e+01

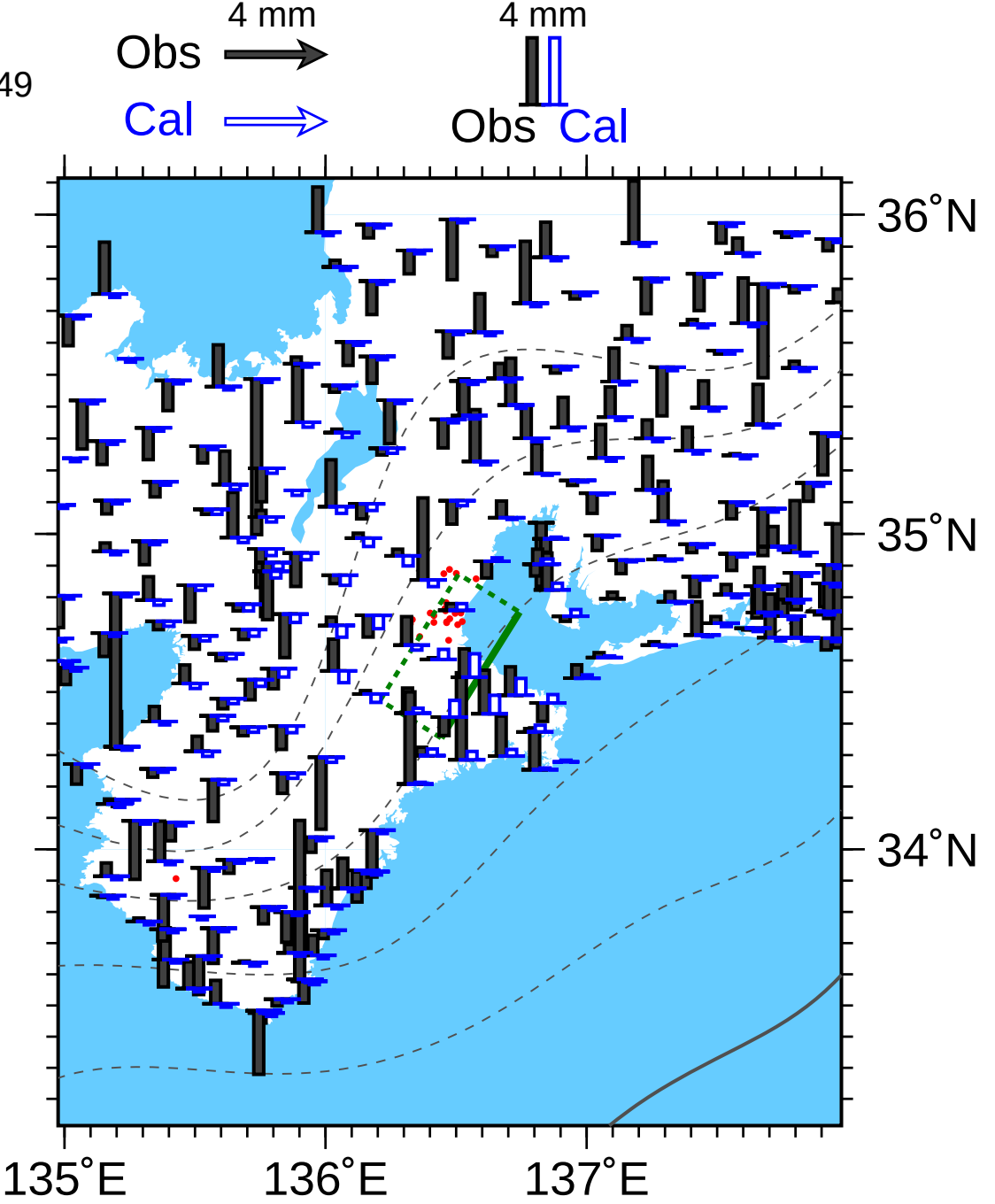
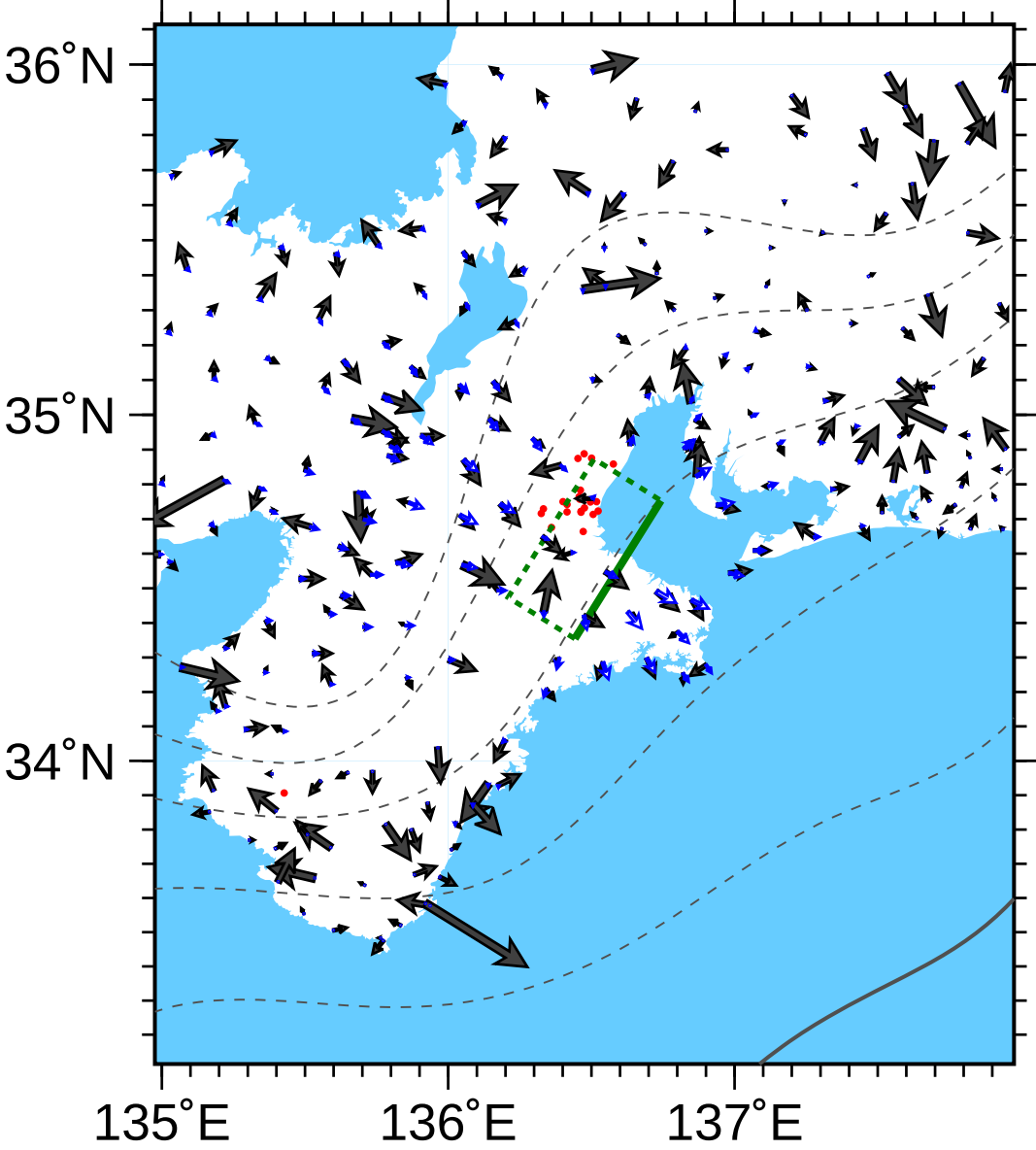


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Sep-28-2012 class2 Duration: 4 days
len: 52.157 wid: 26.385 str: 211.900 dip: 17.554 rak: 100.649
slp: 10.5 Mw: 5.78 CC: 0.513 RC2: 1.2687e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

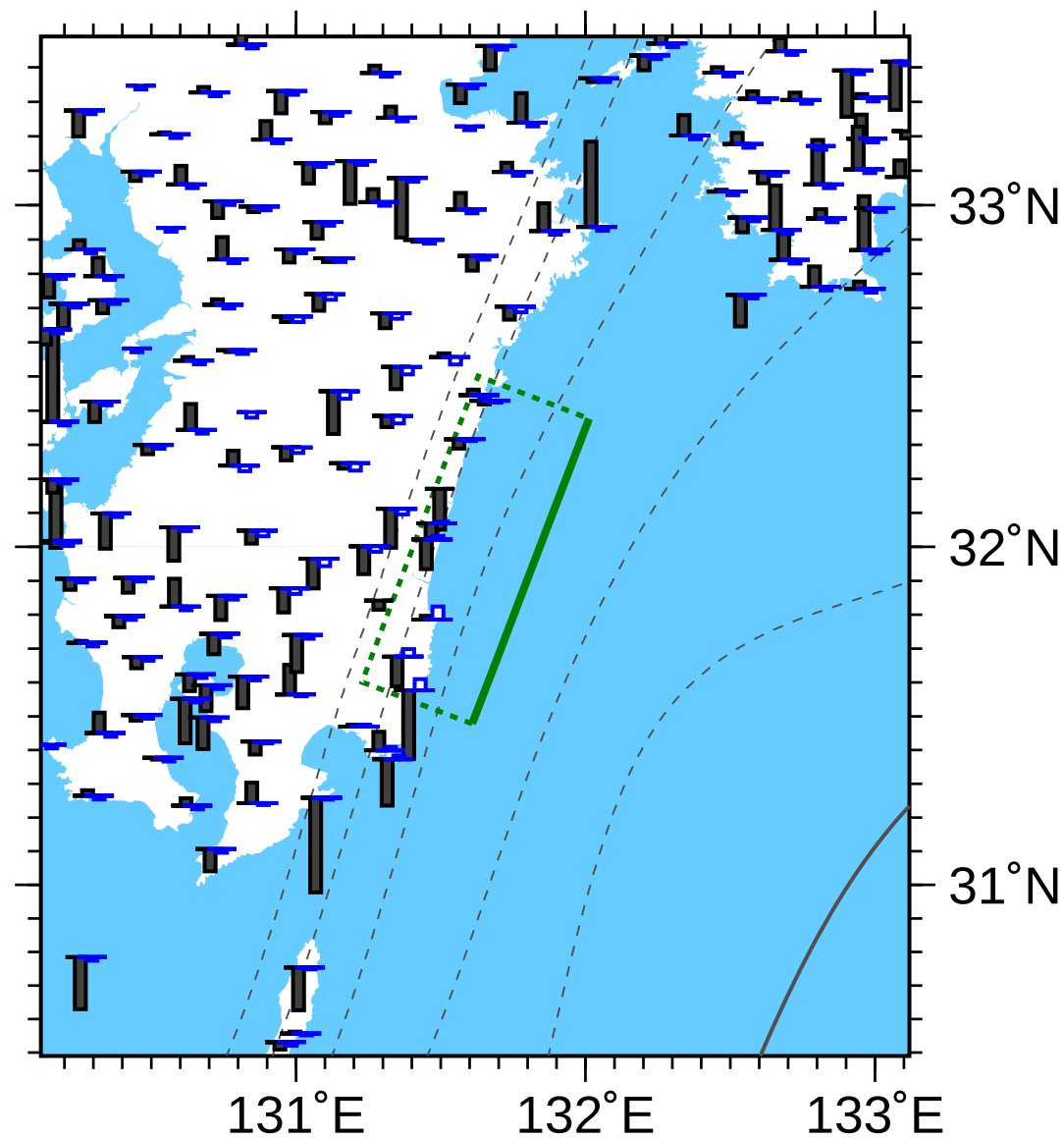
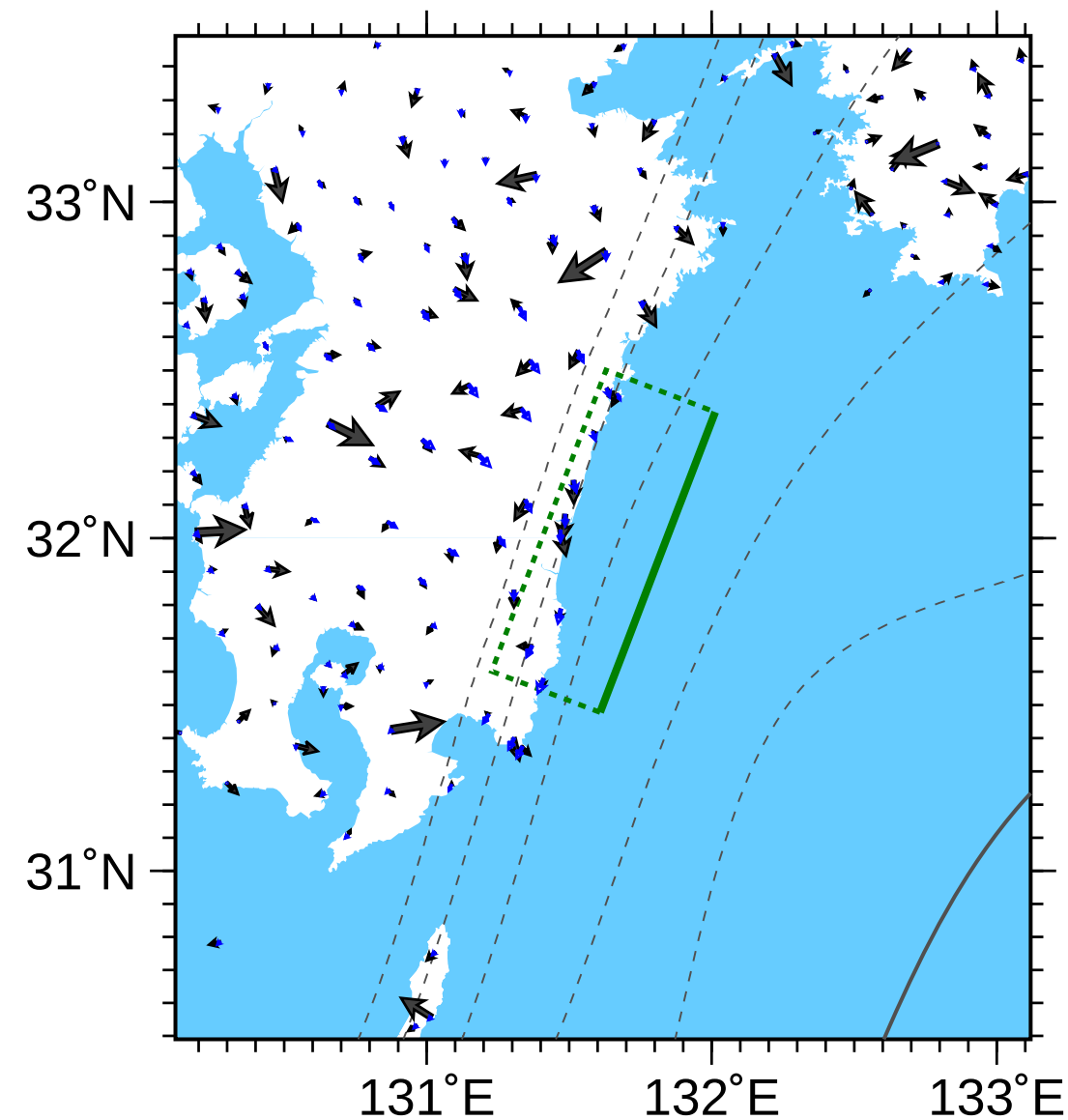


Date: Feb-3-2013 class2 Duration: 1 days

len: 106.723 wid: 43.422 str: 200.860 dip: 27.168 rak: 67.828

slp: 4.5 Mw: 5.88 CC: 0.503 RC2: 1.2242e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



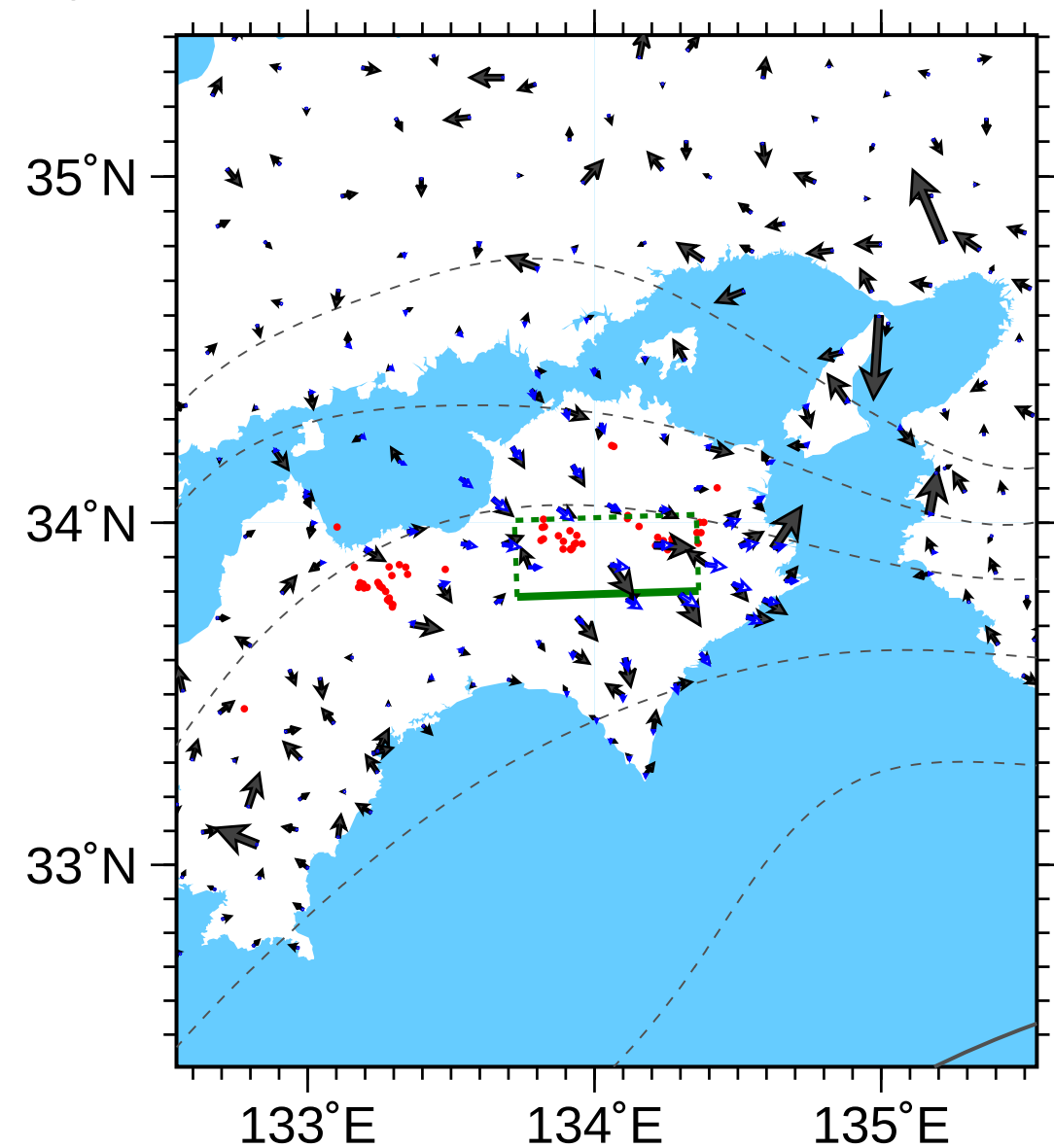
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



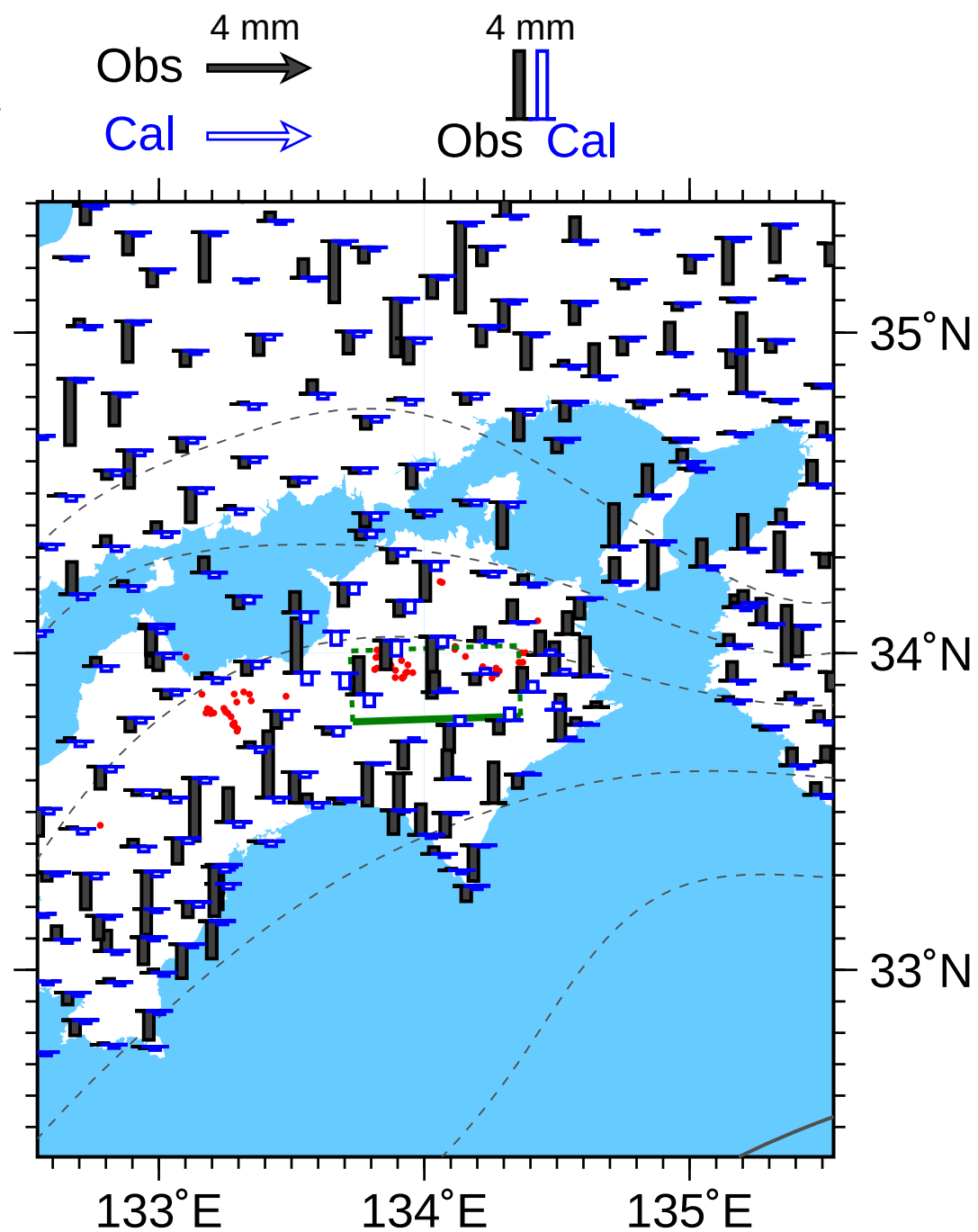
Date: Mar-28-2013 class2 Duration: 12 days

len: 58.625 wid: 24.988 str: 268.117 dip: 8.711 rak: 147.841

slp: 6.9 Mw: 5.67 CC: 0.583 RC2: 1.3958e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

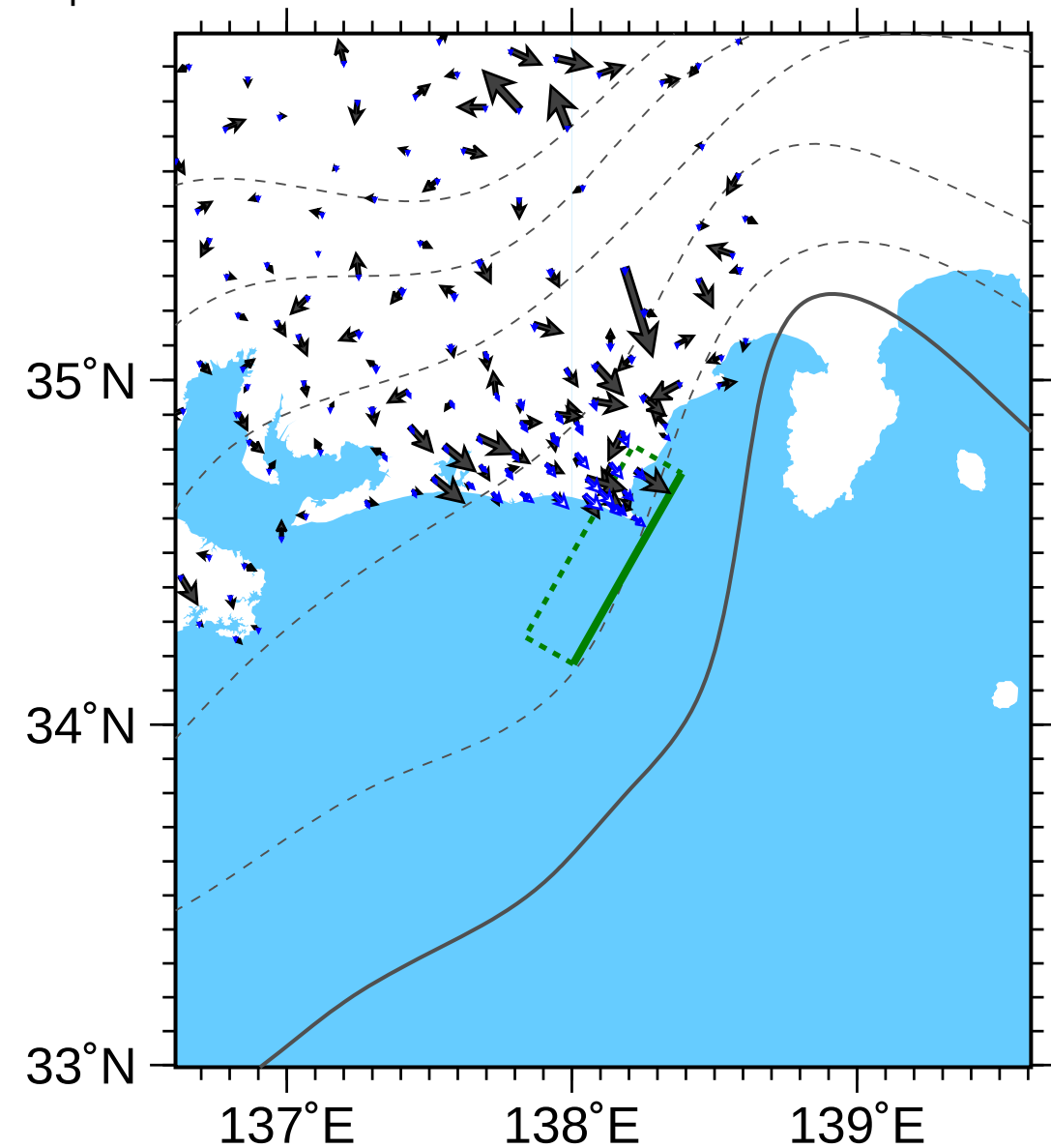


- 10
- 100
- 1000

Date: May-8-2013 class2 Duration: 5 days

len: 70.702 wid: 18.083 str: 209.600 dip: 9.693 rak: 89.965

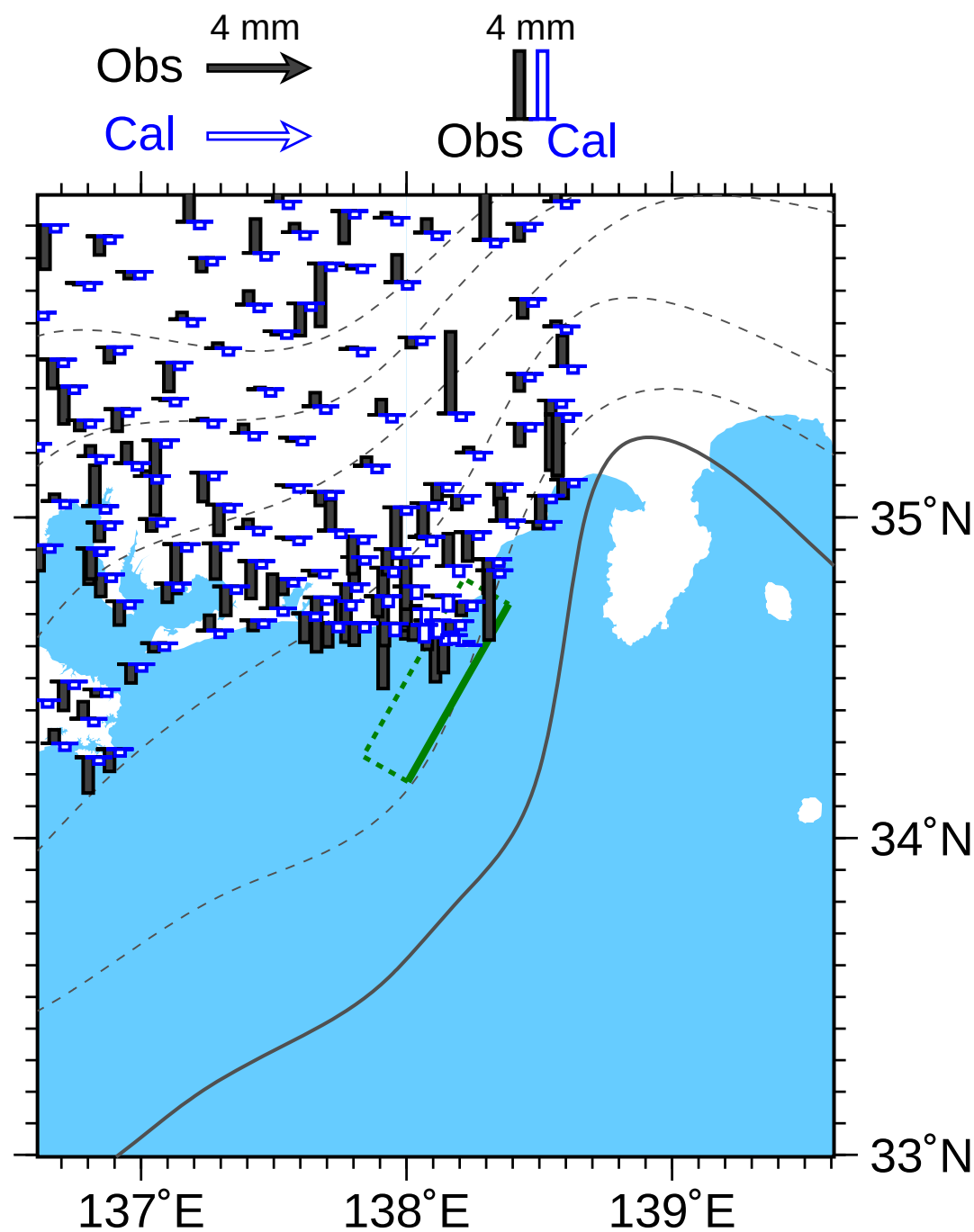
slp: 3.6 Mw: 5.44 CC: 0.443 RC2: 7.7112e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)



4 mm
Obs →

Cal ⇨

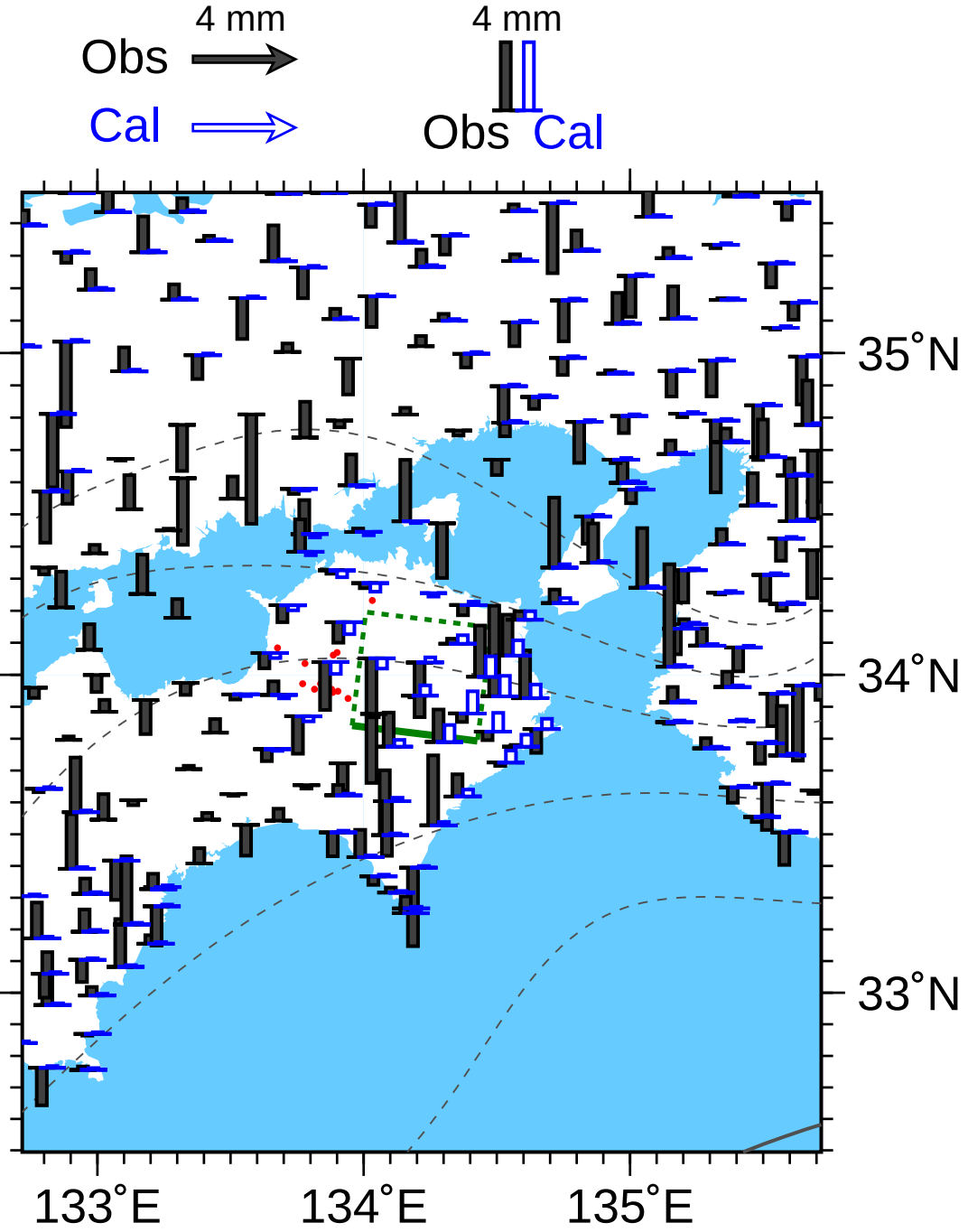
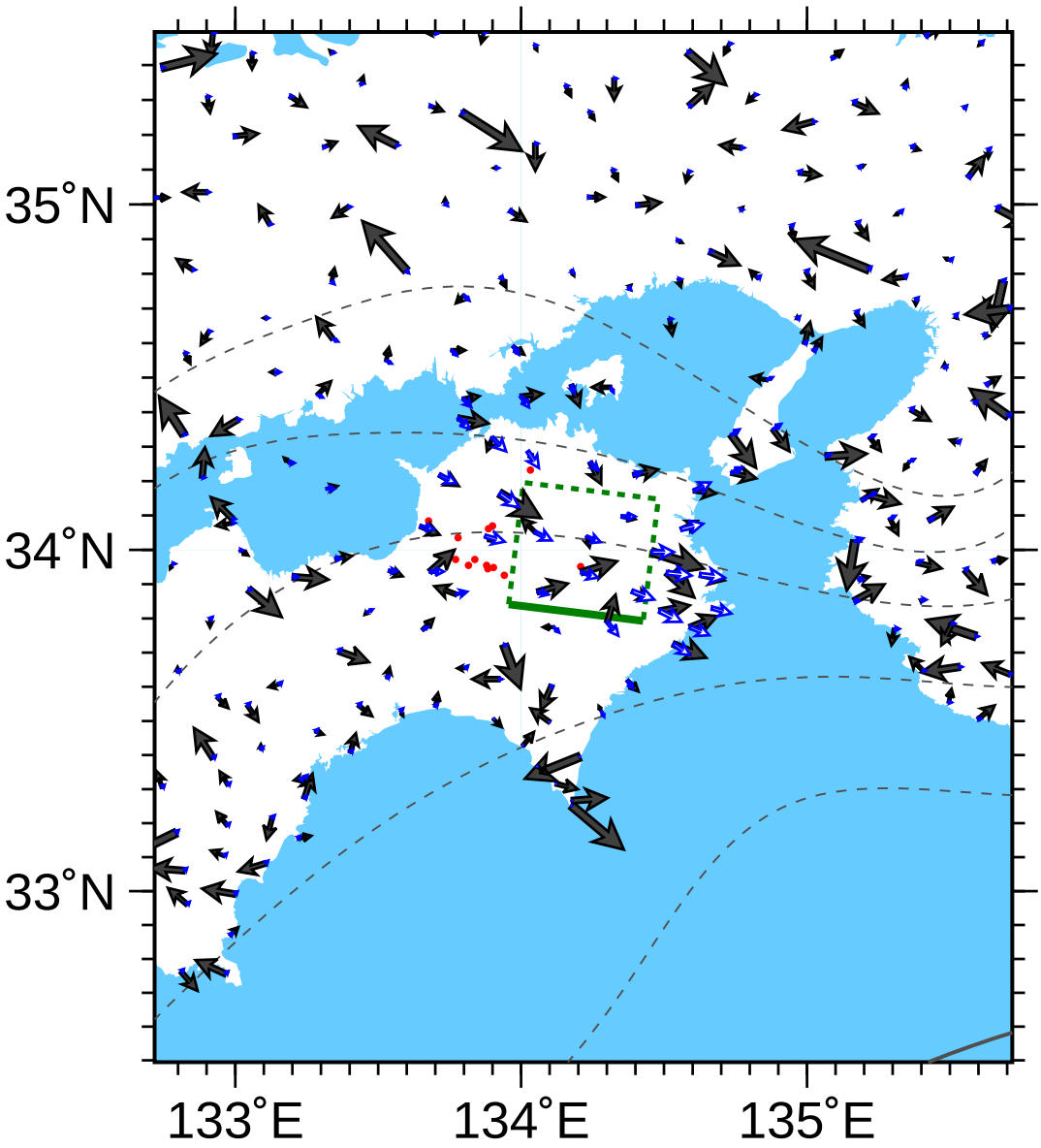
4 mm
Obs Cal

○ ○ ○
10 100 1000

Date: Jun-30-2013 class2 Duration: 1 days

len: 43.883 wid: 41.162 str: 277.007 dip: 15.517 rak: 157.442

slp: 7.1 Mw: 5.74 CC: 0.622 RC2: 1.3265e+02

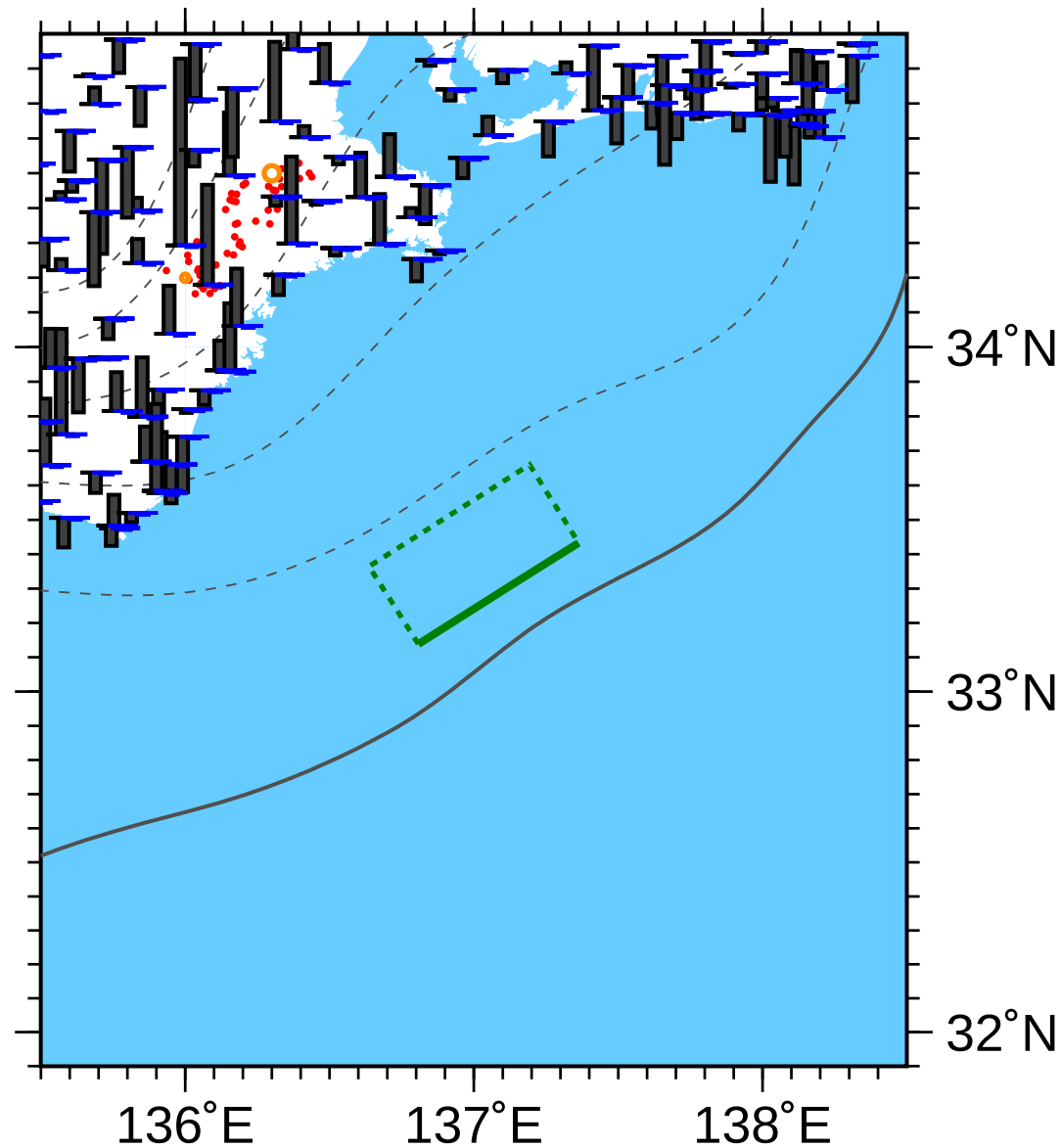
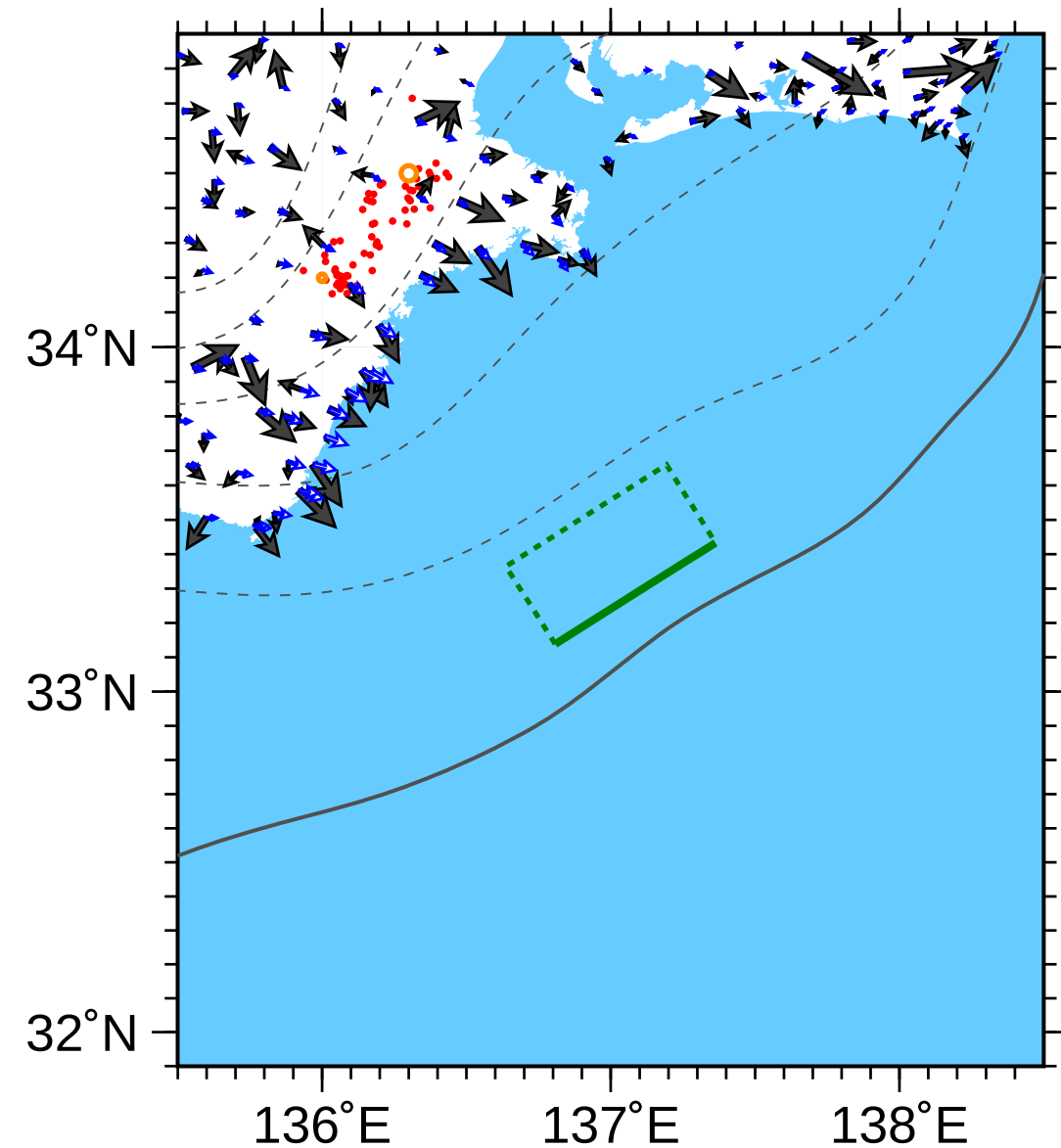


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jul-22-2013 class2 Duration: 8 days
len: 61.166 wid: 29.941 str: 237.689 dip: 7.275 rak: 120.410
slp: 51.9 Mw: 6.32 CC: 0.540 RC2: 7.0735e+01

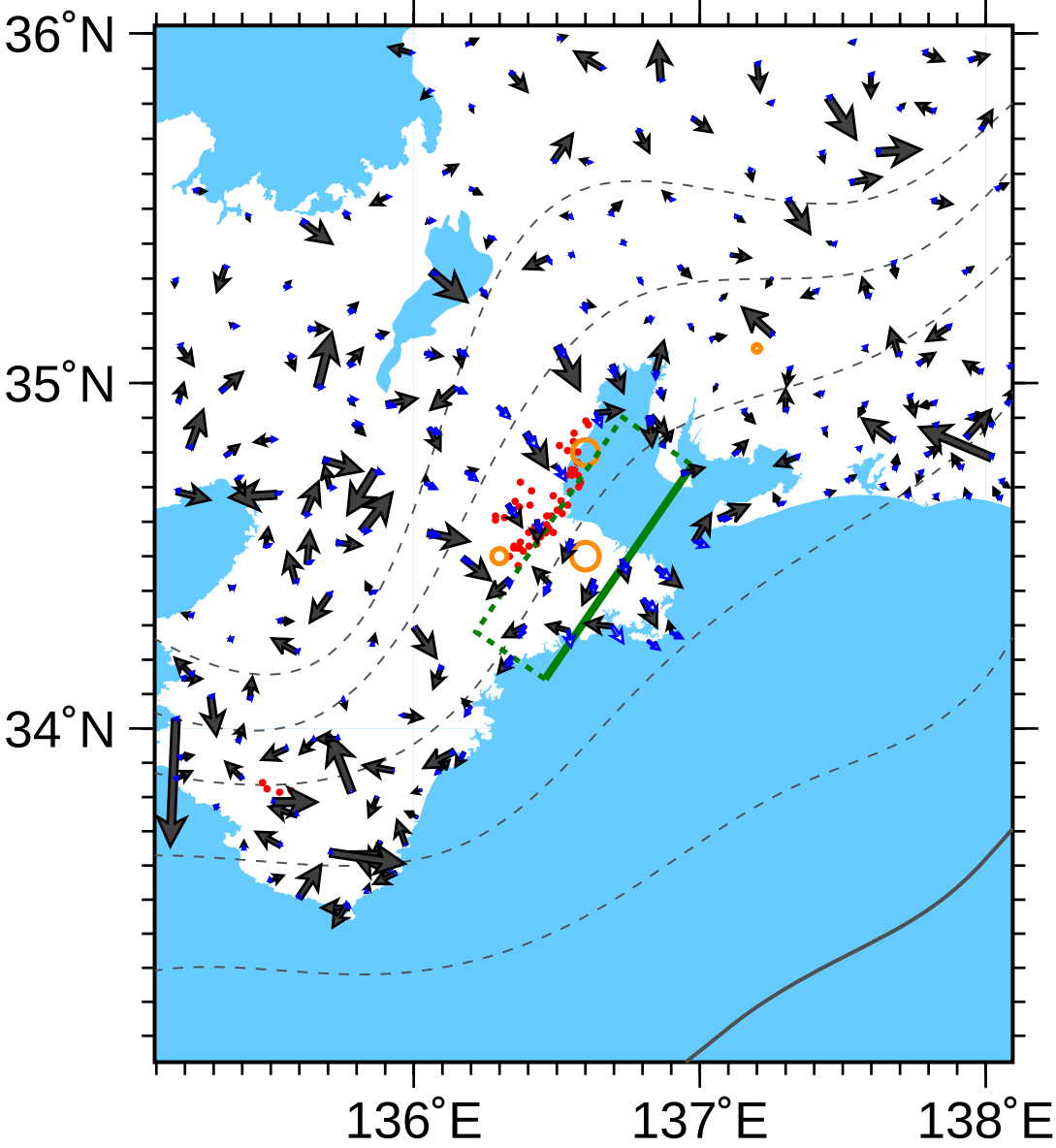
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



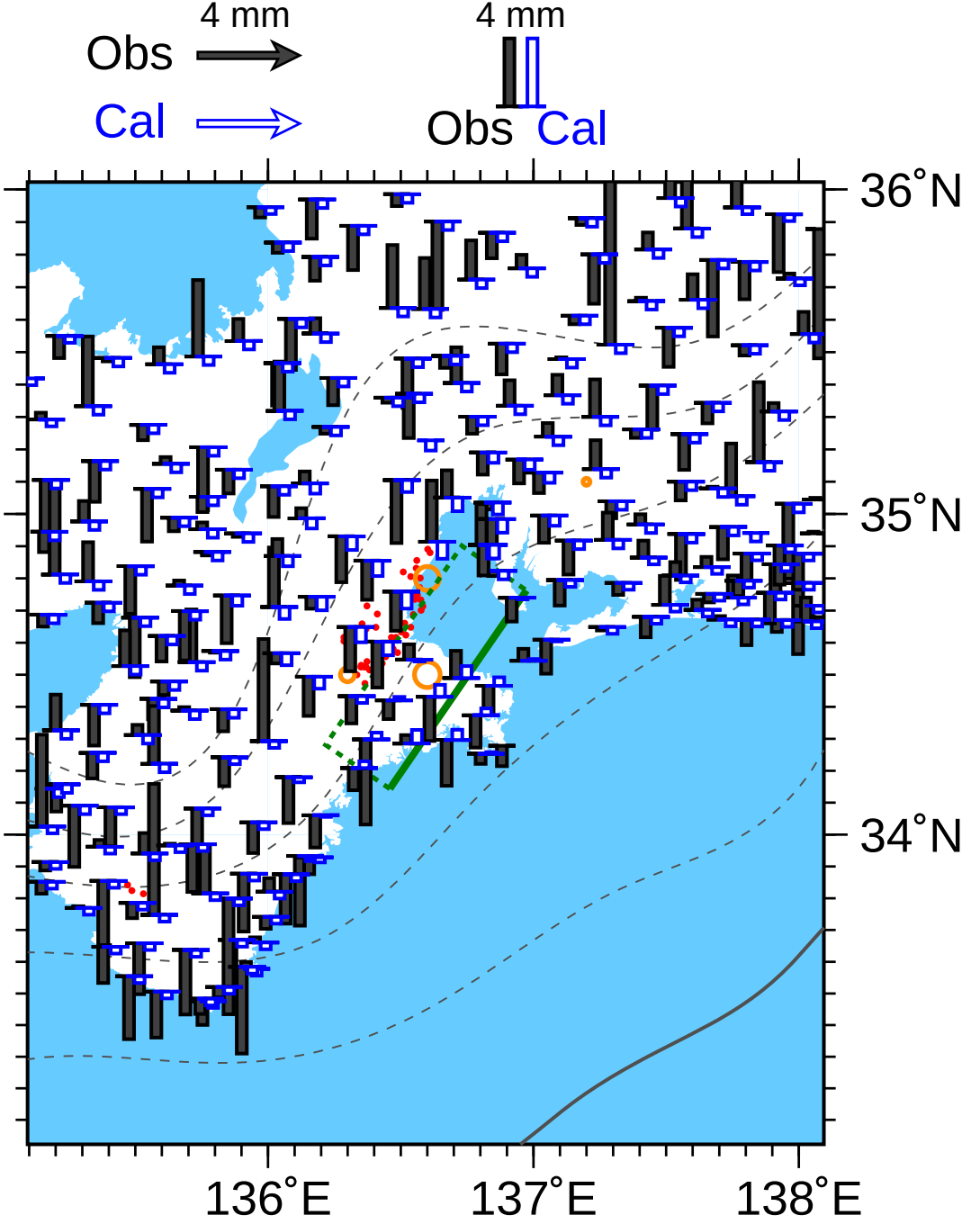
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Sep-10-2013 class2 Duration: 5 days
len: 83.384 wid: 28.117 str: 214.488 dip: 16.057 rak: 56.138
slp: 6.2 Mw: 5.78 CC: 0.554 RC2: 9.1311e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

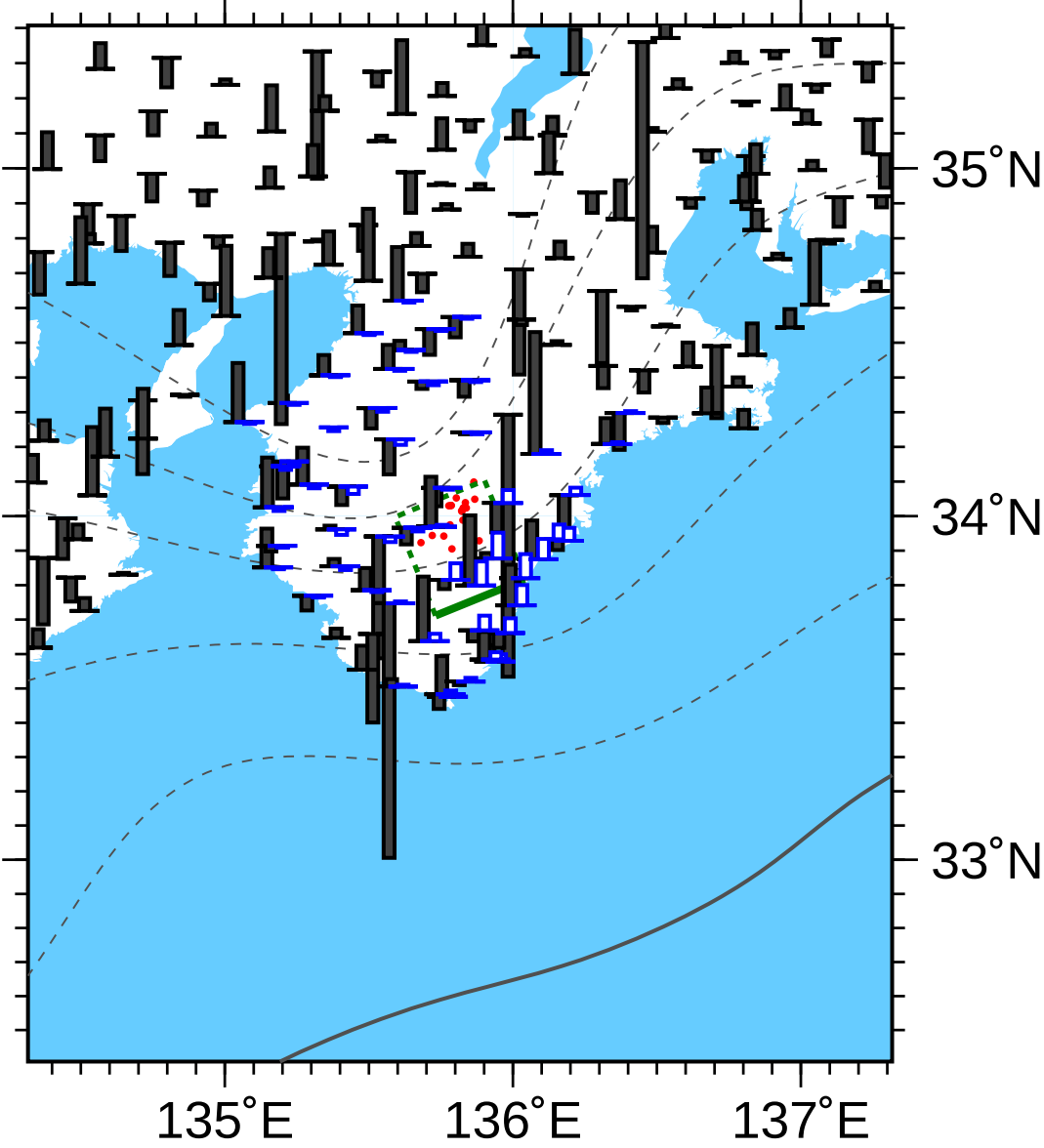
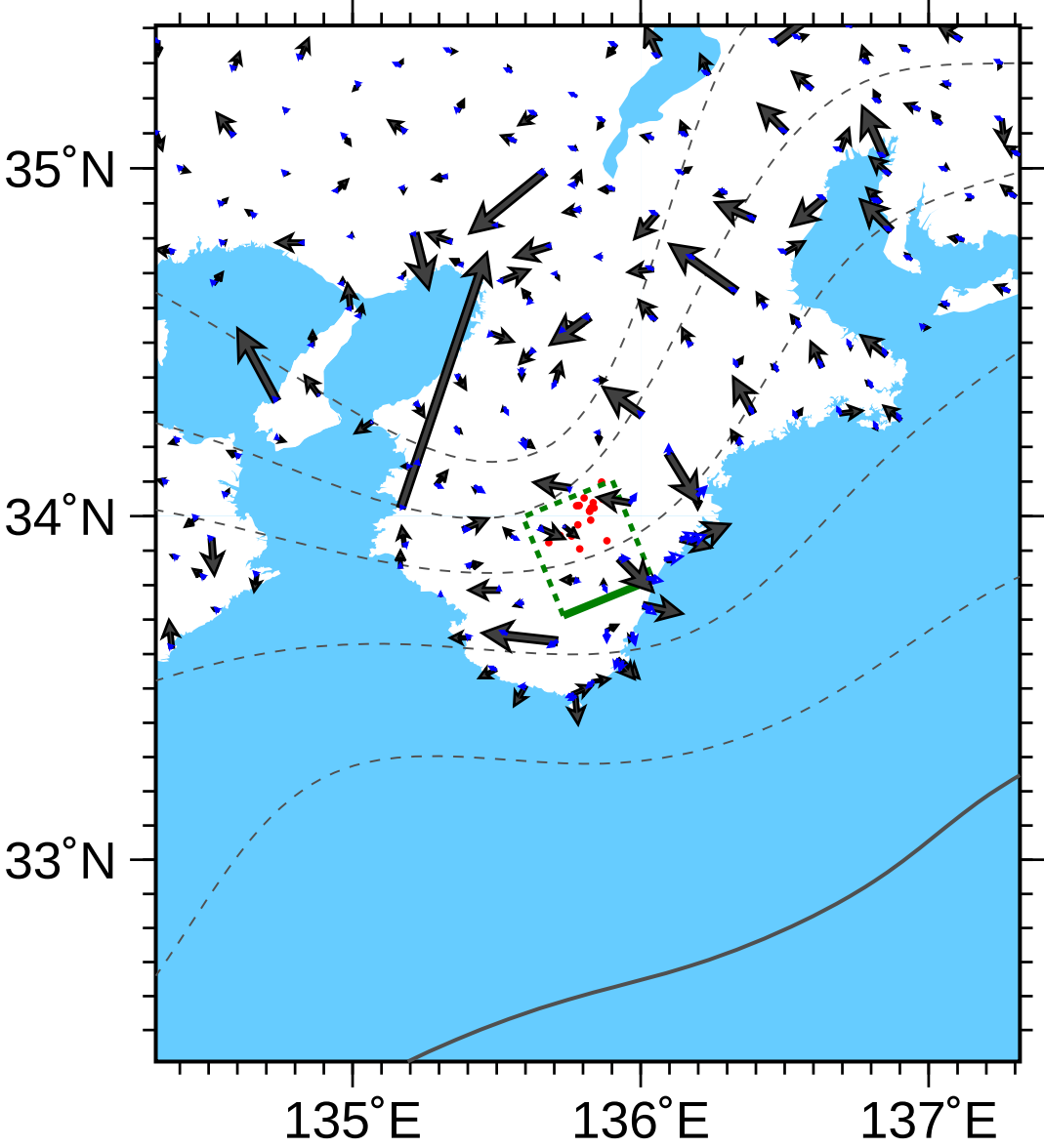


- 10
- 100
- 1000

Date: Oct-26-2013 class2 Duration: 2 days

len: 30.989 wid: 36.727 str: 247.823 dip: 21.017 rak: 122.151

slp: 8.7 Mw: 5.67 CC: 0.608 RC2: 1.0178e+02



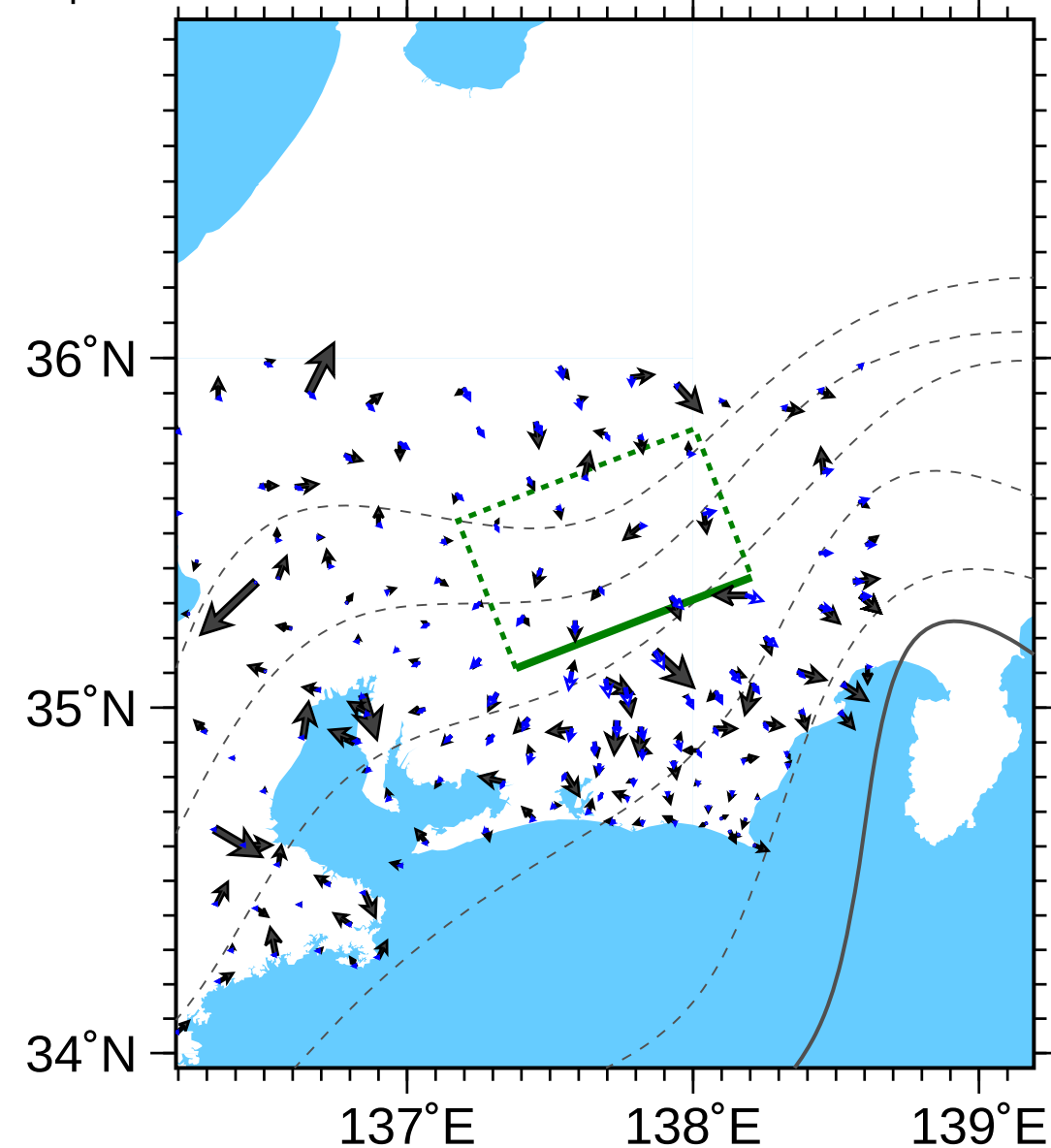
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



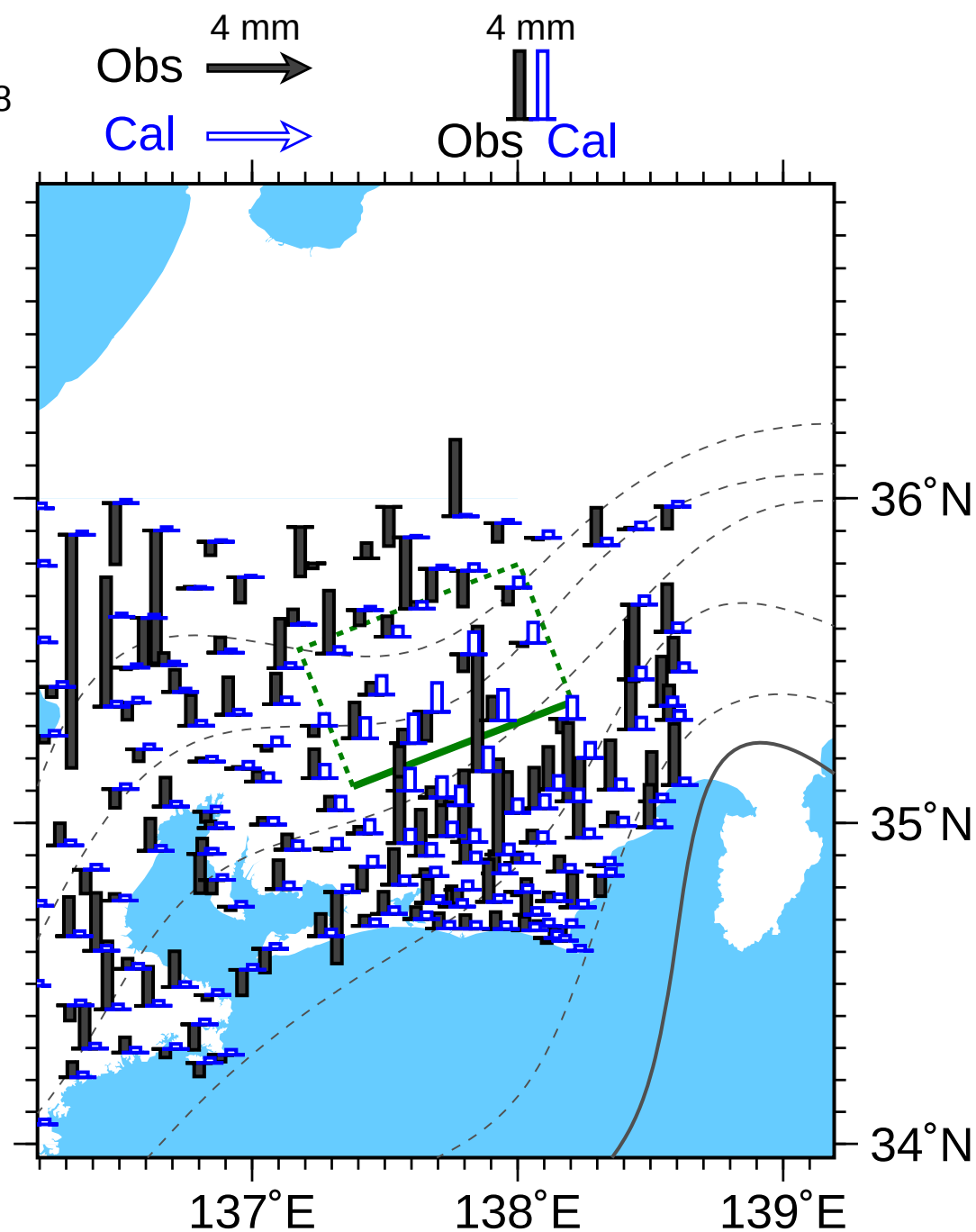
Date: Dec-9-2013 class2 Duration: 6 days

len: 80.489 wid: 55.540 str: 248.816 dip: 24.718 rak: 101.658

slp: 5.9 Mw: 5.95 CC: 0.501 RC2: 1.3731e+02

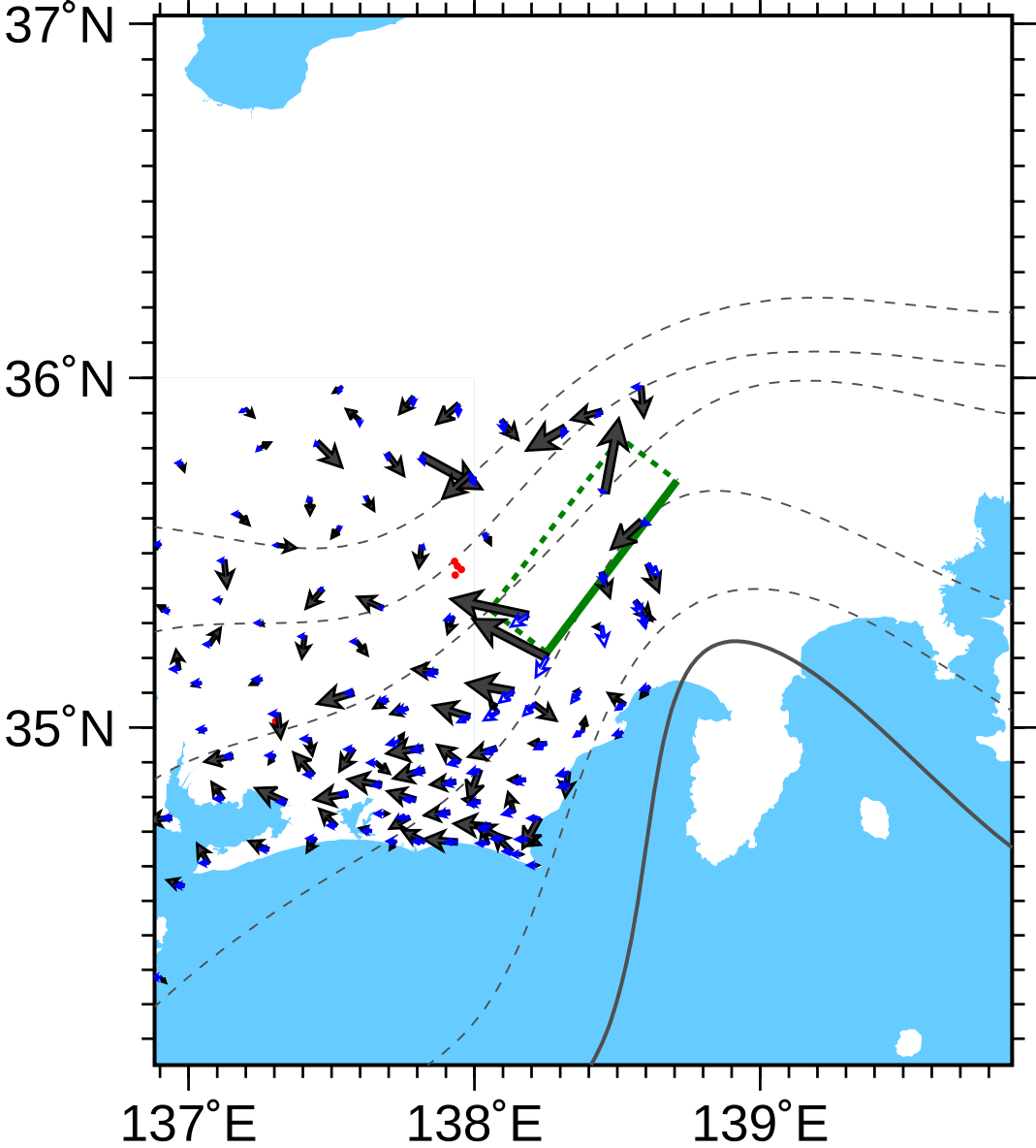


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

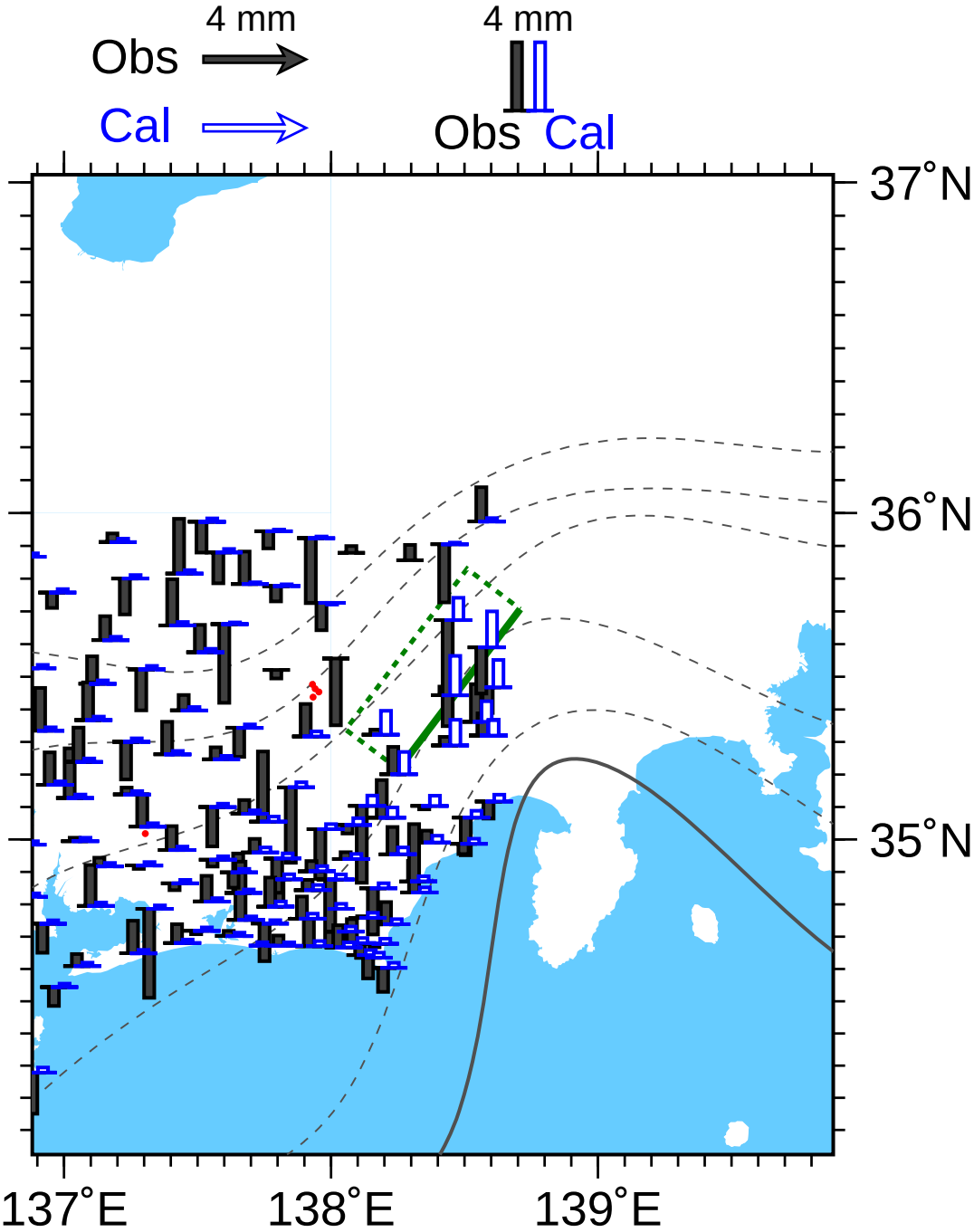


- 10
- 100
- 1000

Date: Mar-3-2014 class2 Duration: 33 days
len: 68.407 wid: 25.749 str: 217.140 dip: 28.824 rak: 85.731
slp: 8 Mw: 5.77 CC: 0.428 RC2: 5.1022e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



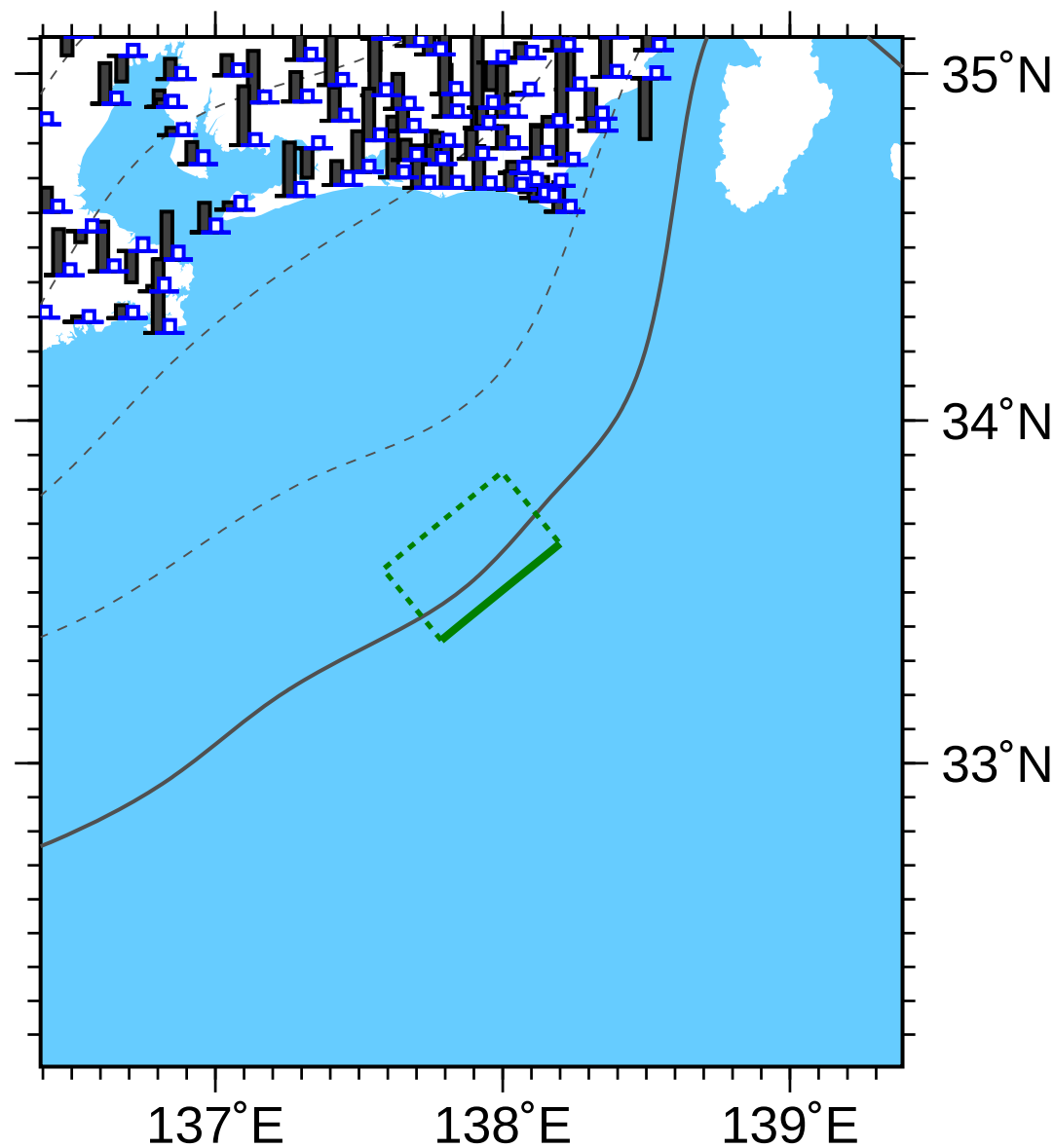
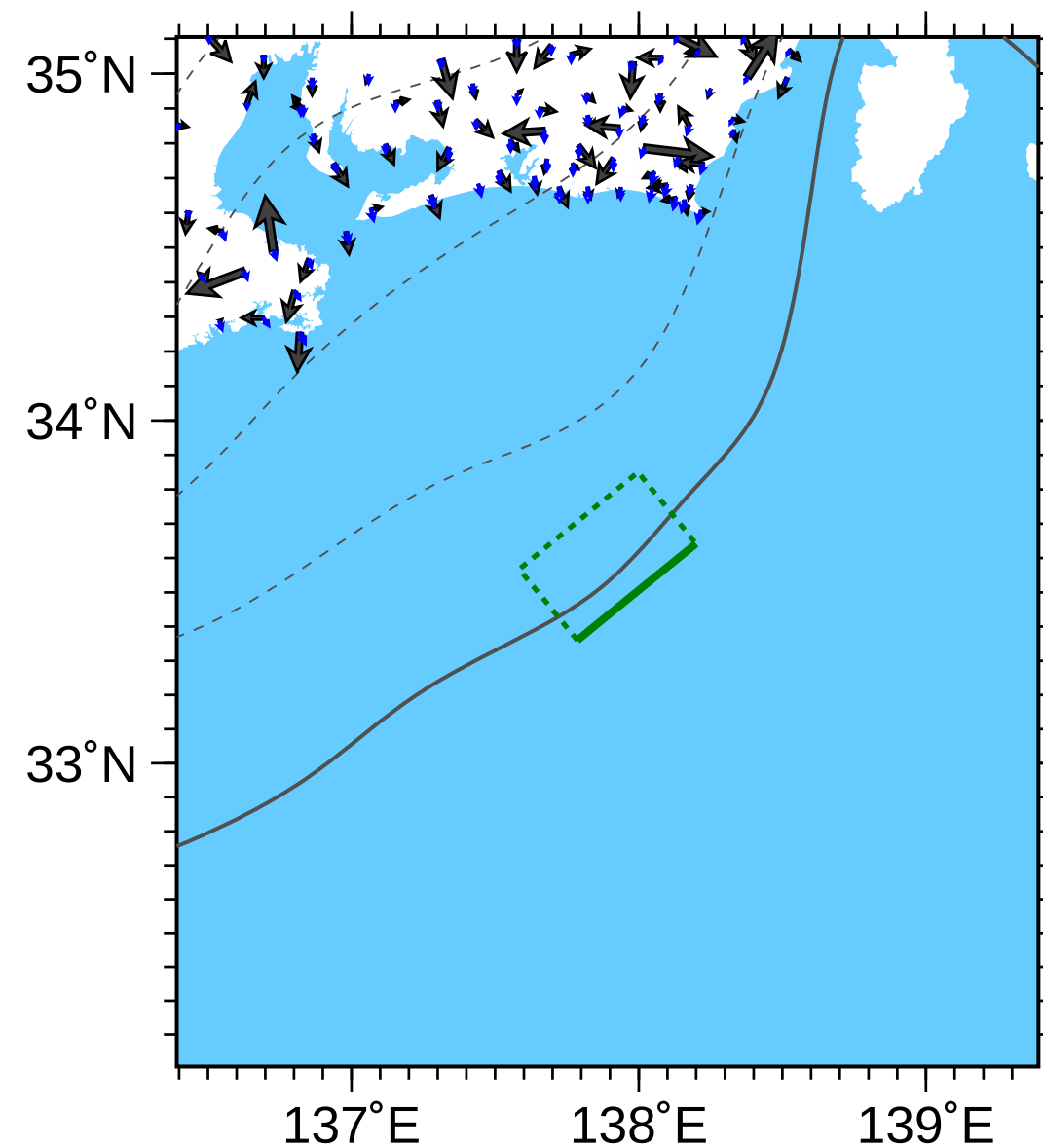
- 10
- 100
- 1000

Date: Aug-3-2014 class2 Duration: 1 days

len: 49.520 wid: 29.815 str: 230.808 dip: 4.534 rak: 85.453

slp: 87.4 Mw: 6.41 CC: 0.471 RC2: 7.0632e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

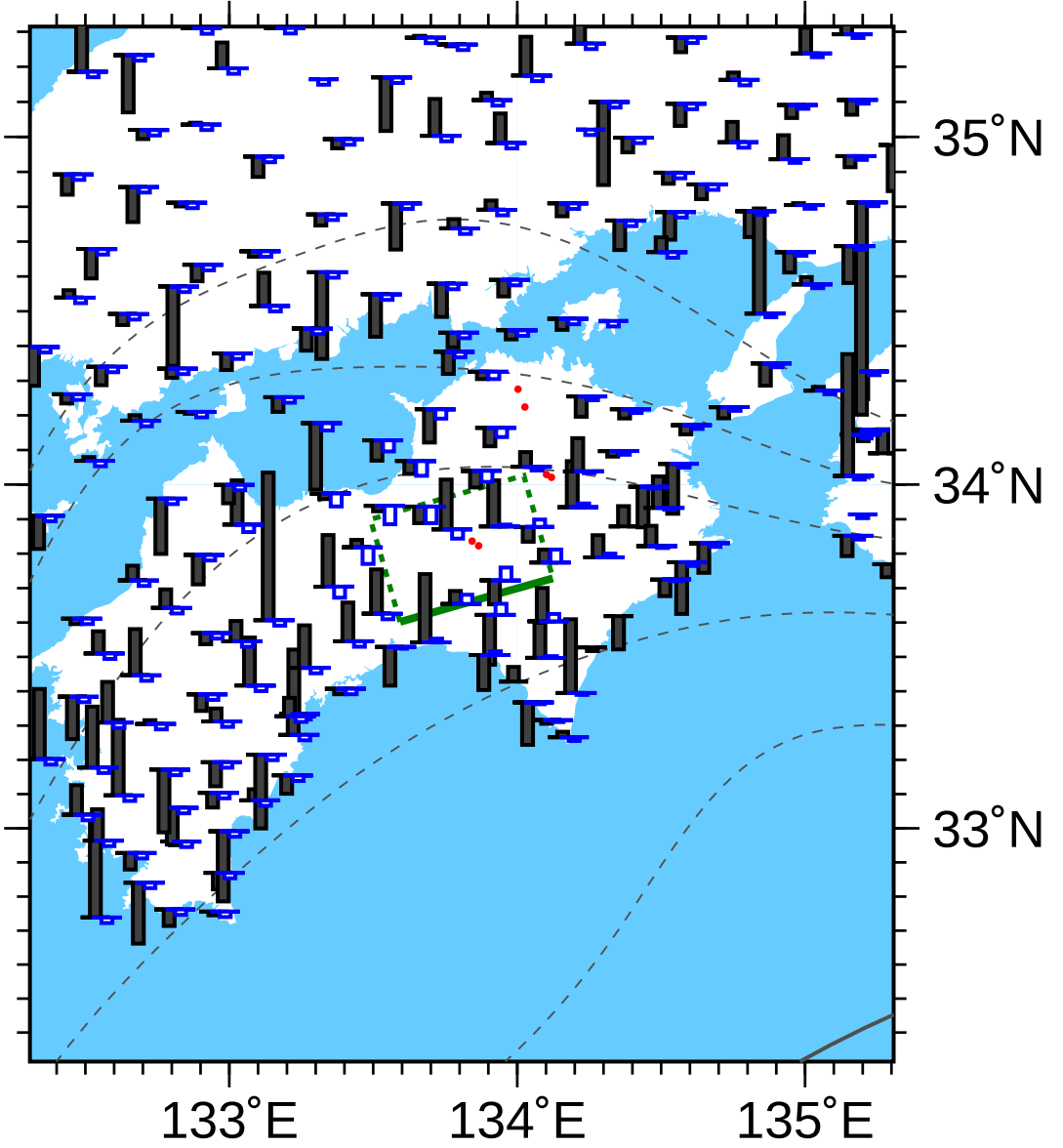
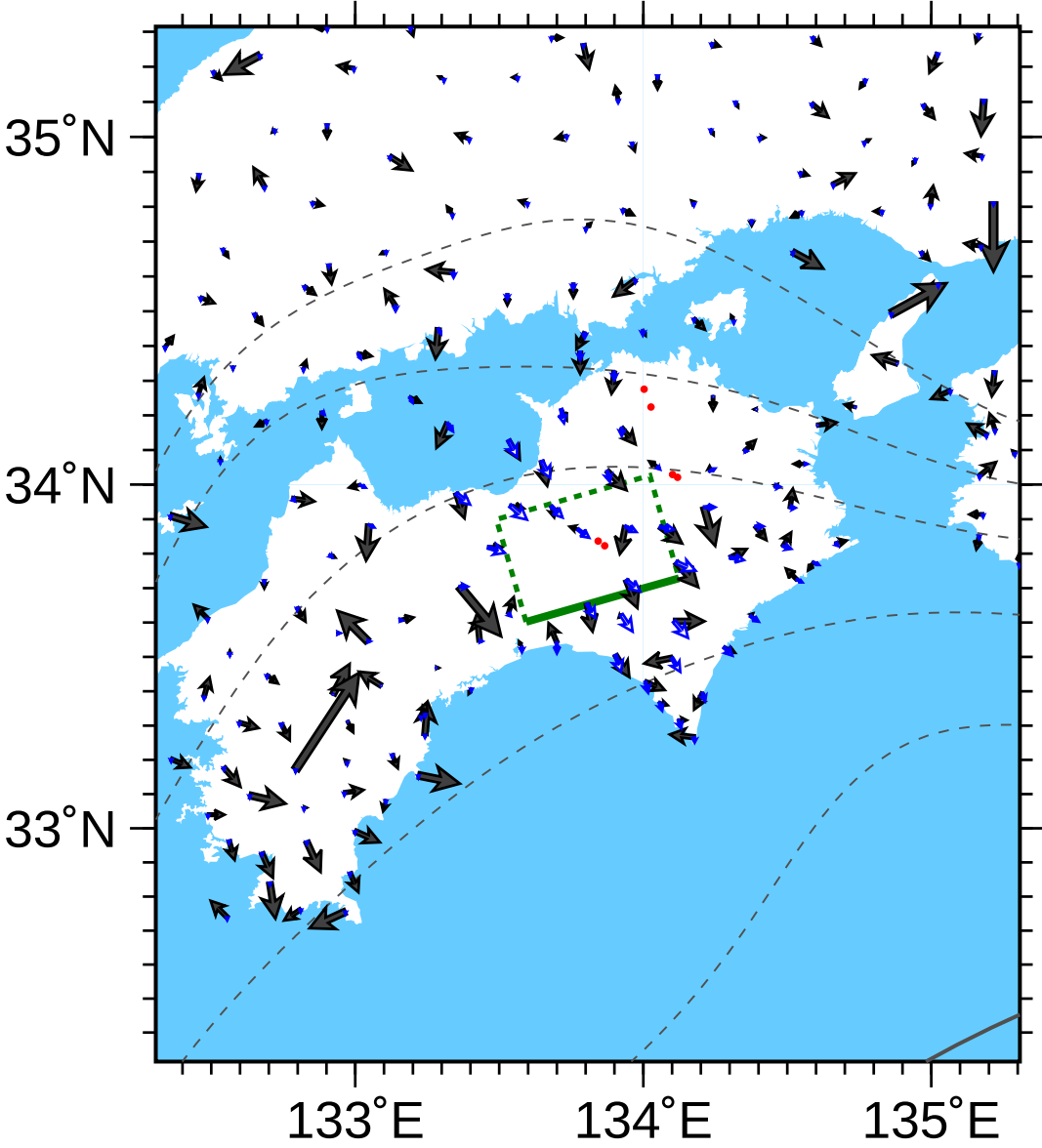


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Sep-26-2014 class2 Duration: 3 days
len: 51.207 wid: 34.519 str: 254.059 dip: 5.742 rak: 129.293
slp: 5.7 Mw: 5.67 CC: 0.497 RC2: 6.9468e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



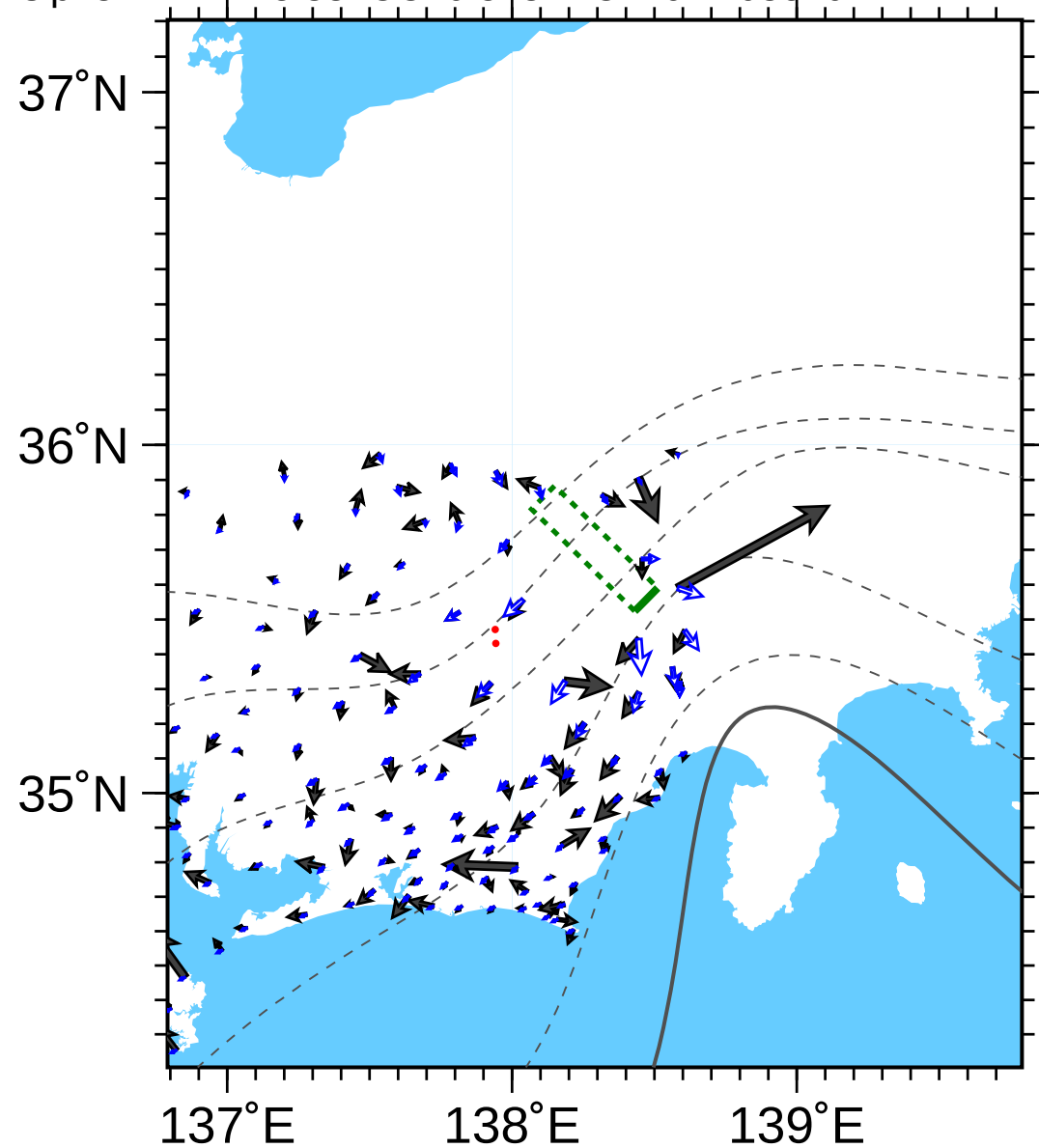
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



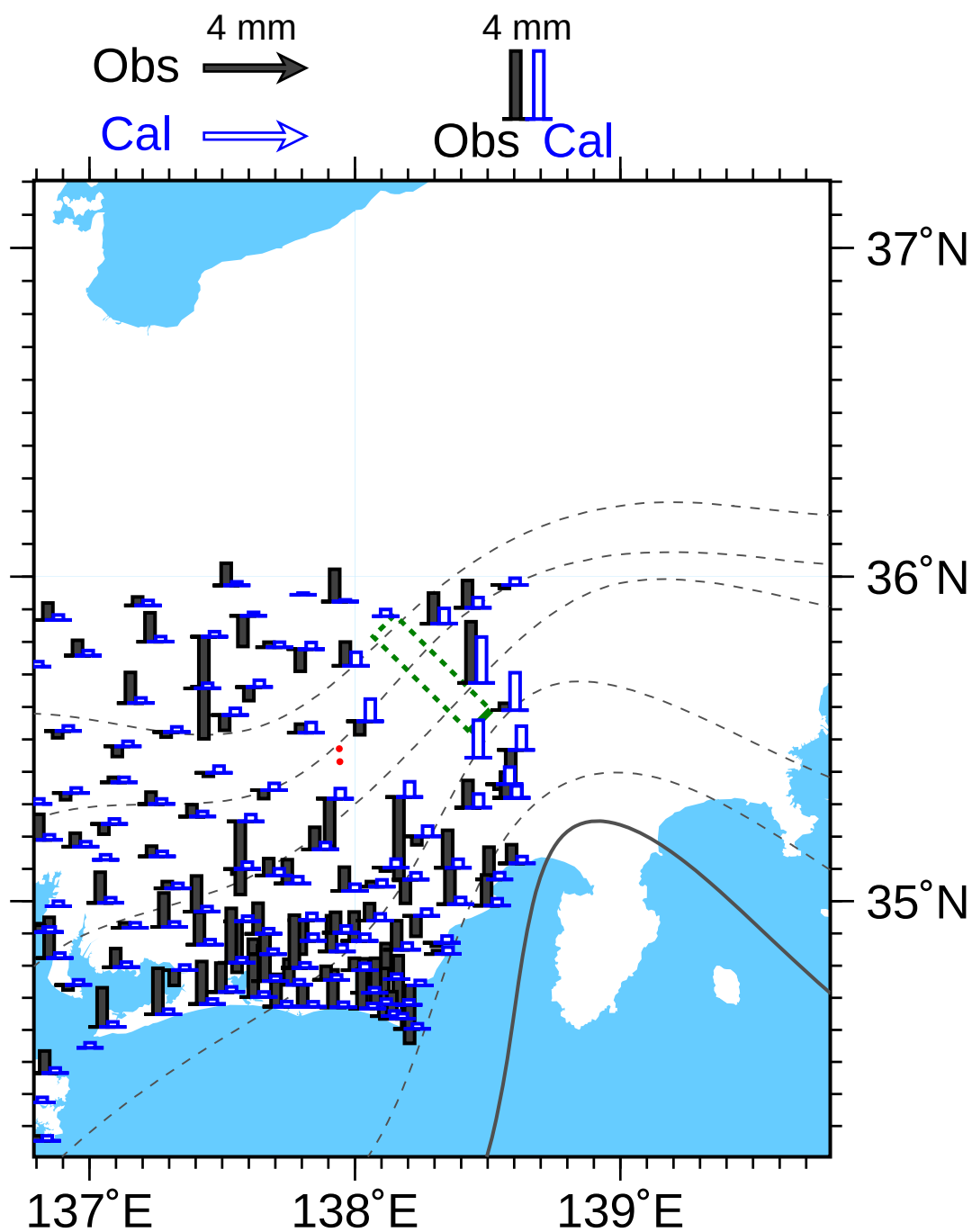
Date: Oct-4-2014 class2 Duration: 1 days

len: 10.378 wid: 52.803 str: 224.731 dip: 29.163 rak: 76.108

slp: 37.4 Mw: 5.88 CC: 0.548 RC2: 6.1703e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

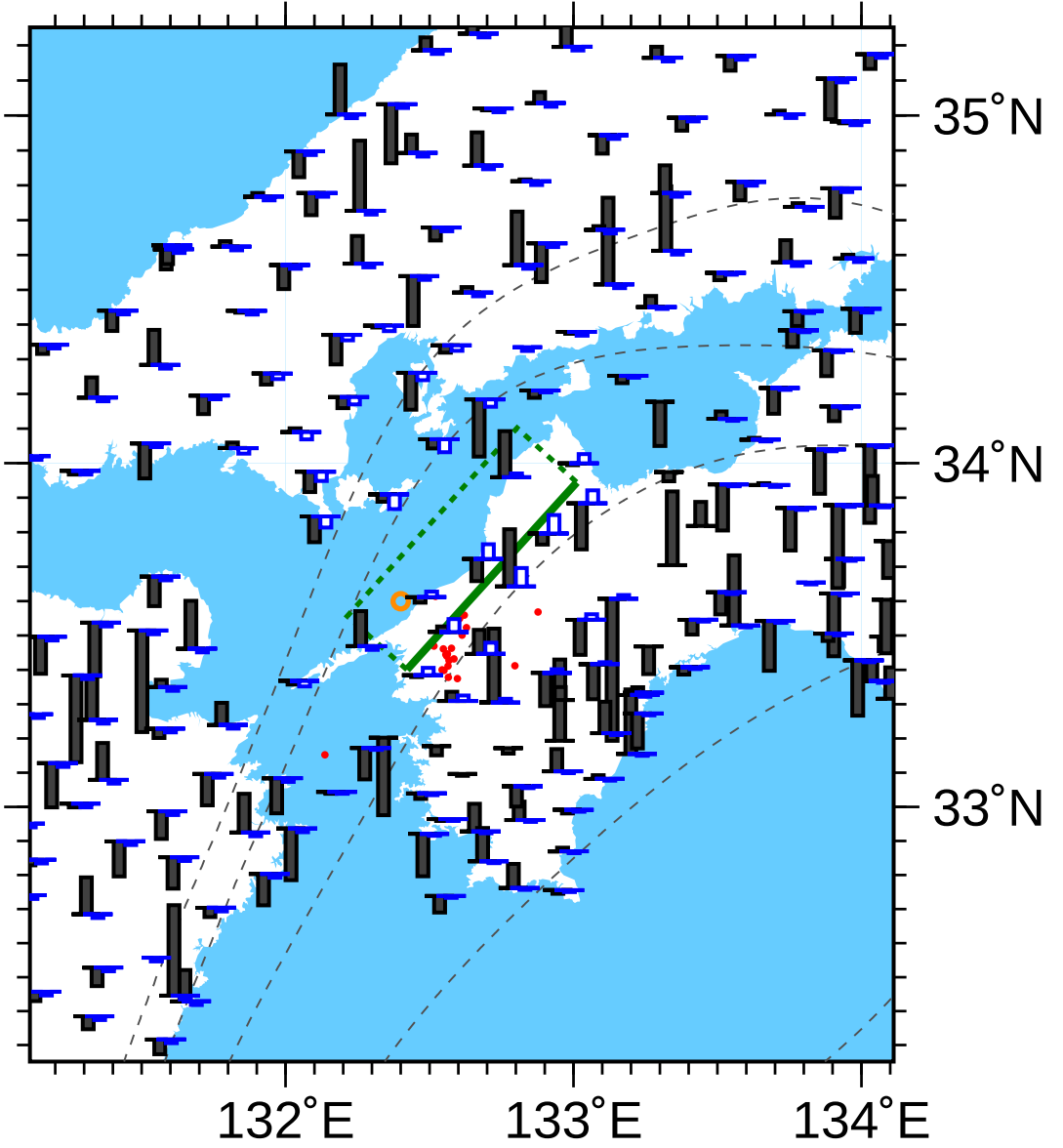
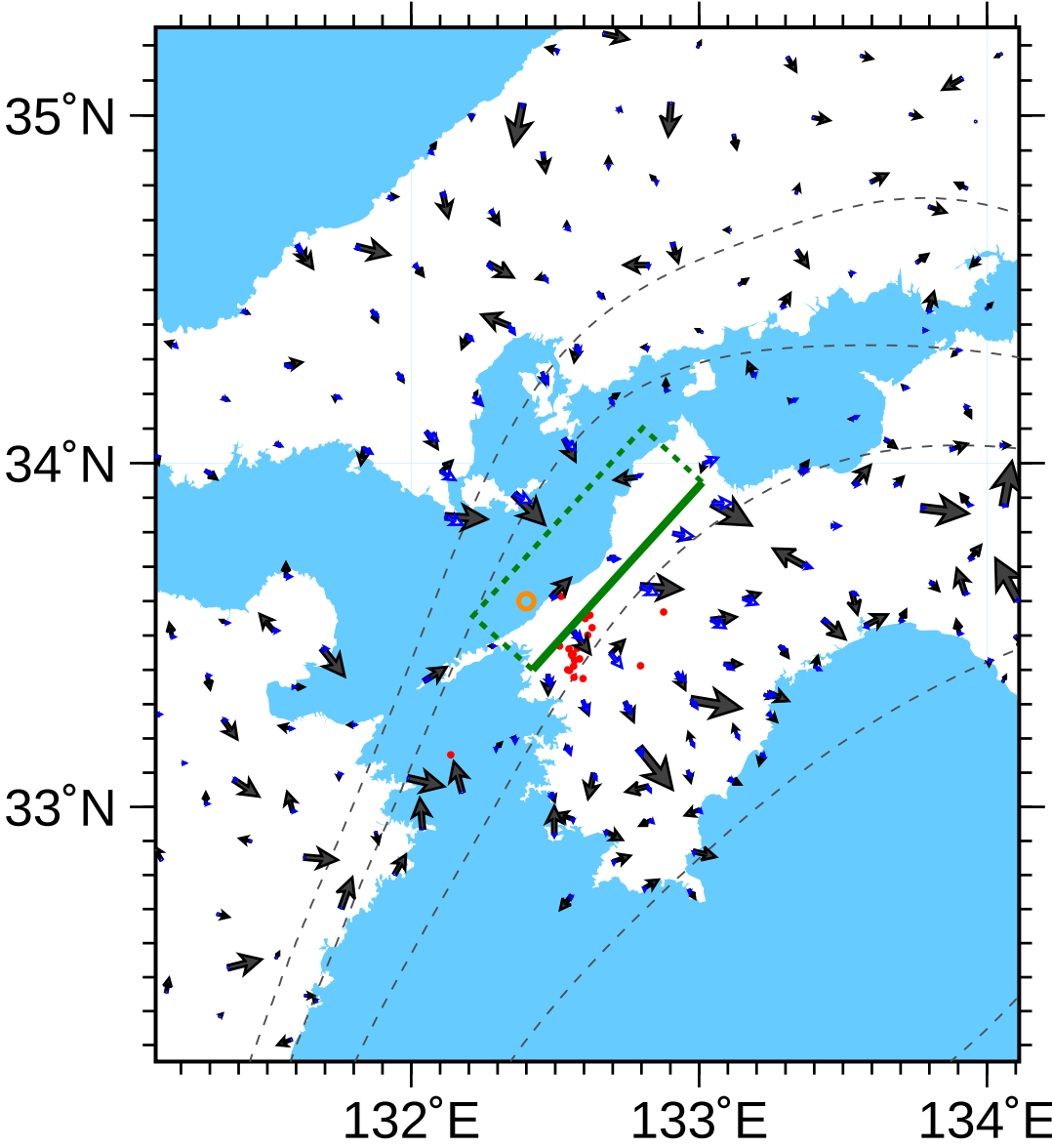


4 mm
Obs →
Cal →
Obs Cal



Date: Oct-23-2014 class2 Duration: 1 days
len: 81.474 wid: 26.325 str: 222.128 dip: 9.940 rak: 106.349
slp: 7.1 Mw: 5.79 CC: 0.595 RC2: 9.3162e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



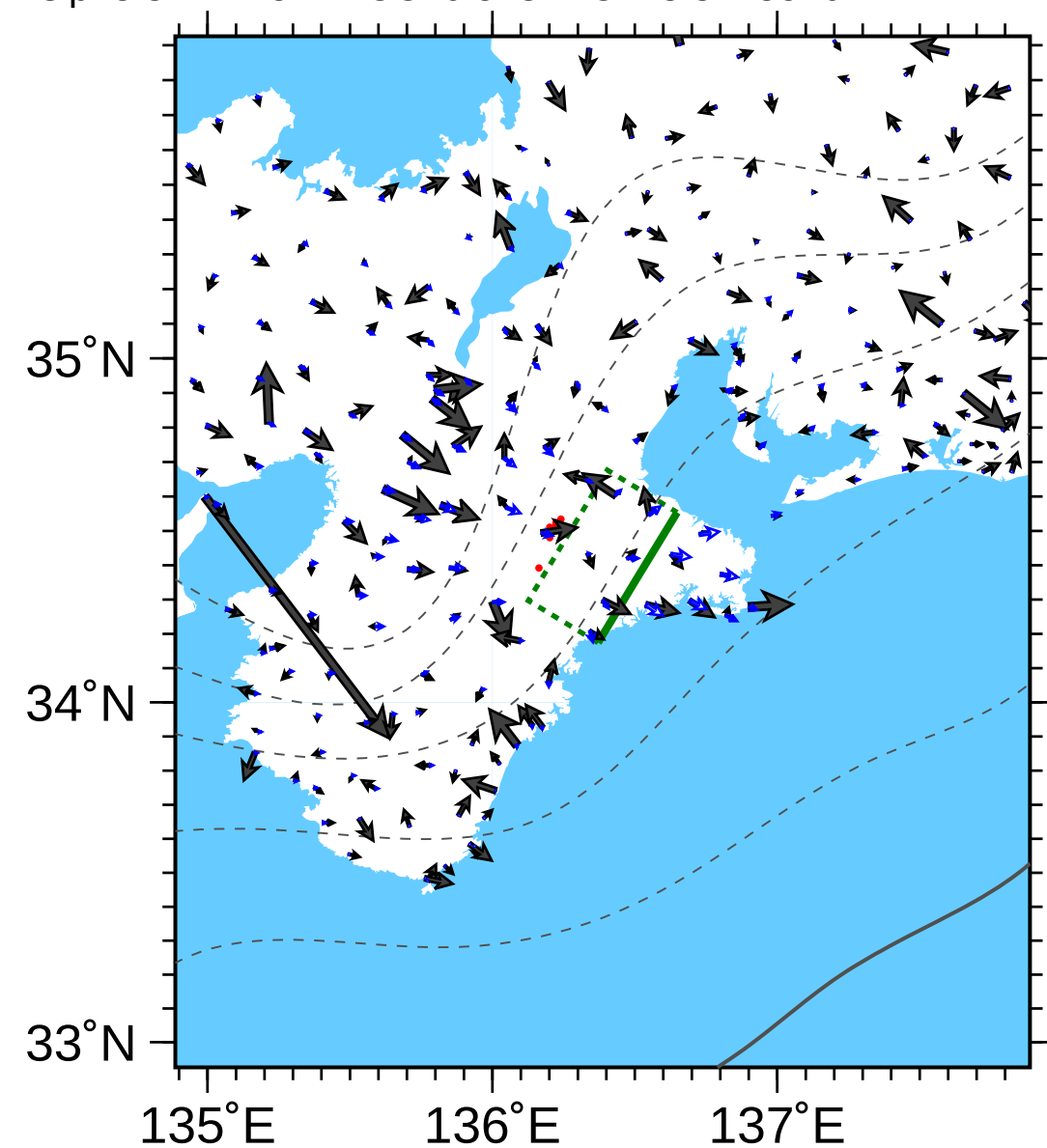
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

  
10 100 1000

Date: Dec-9-2014 class2 Duration: 7 days

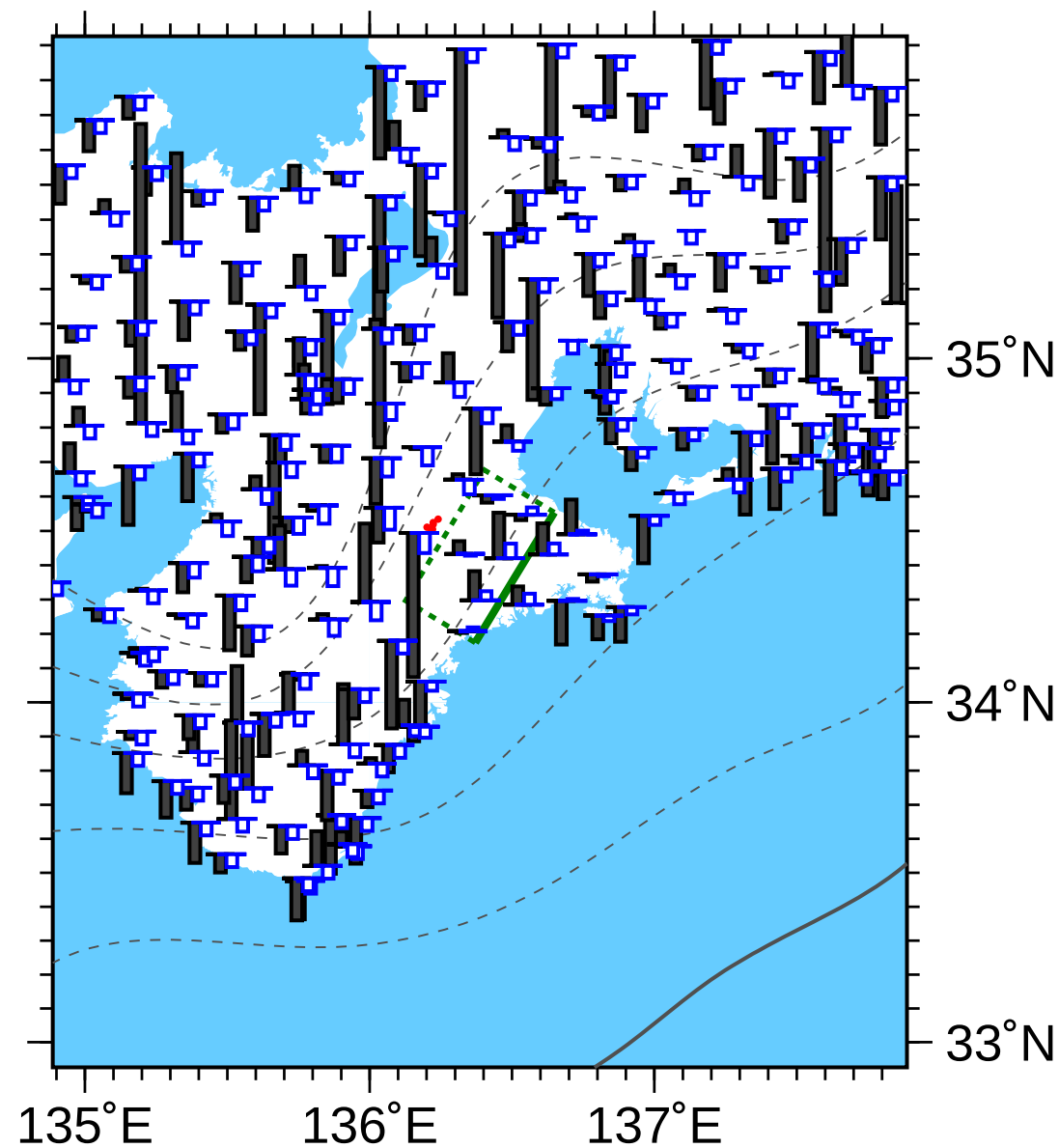
len: 49.224 wid: 27.777 str: 211.181 dip: 18.663 rak: 97.526

slp: 8.8 Mw: 5.72 CC: 0.543 RC2: 8.8273e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

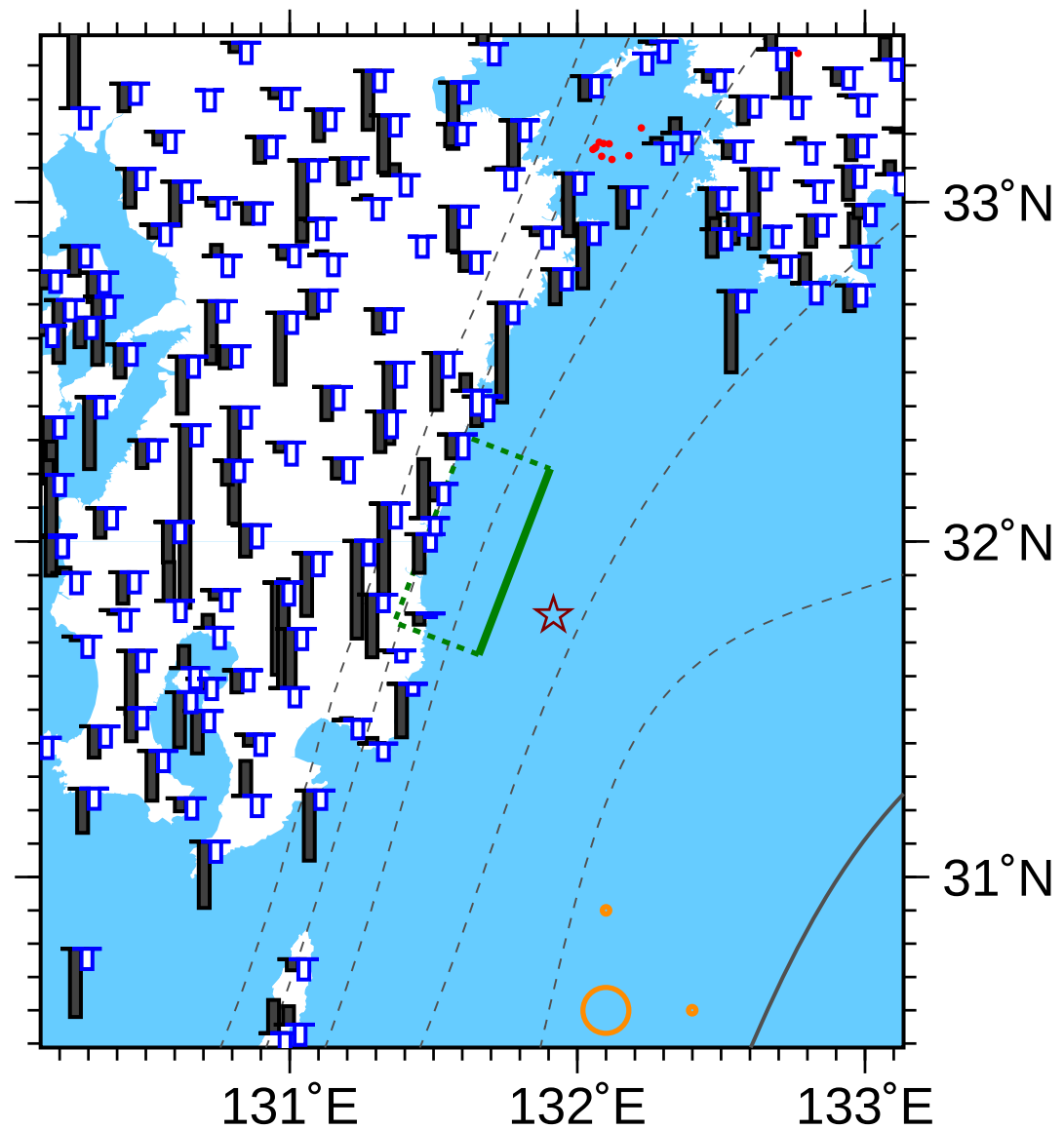
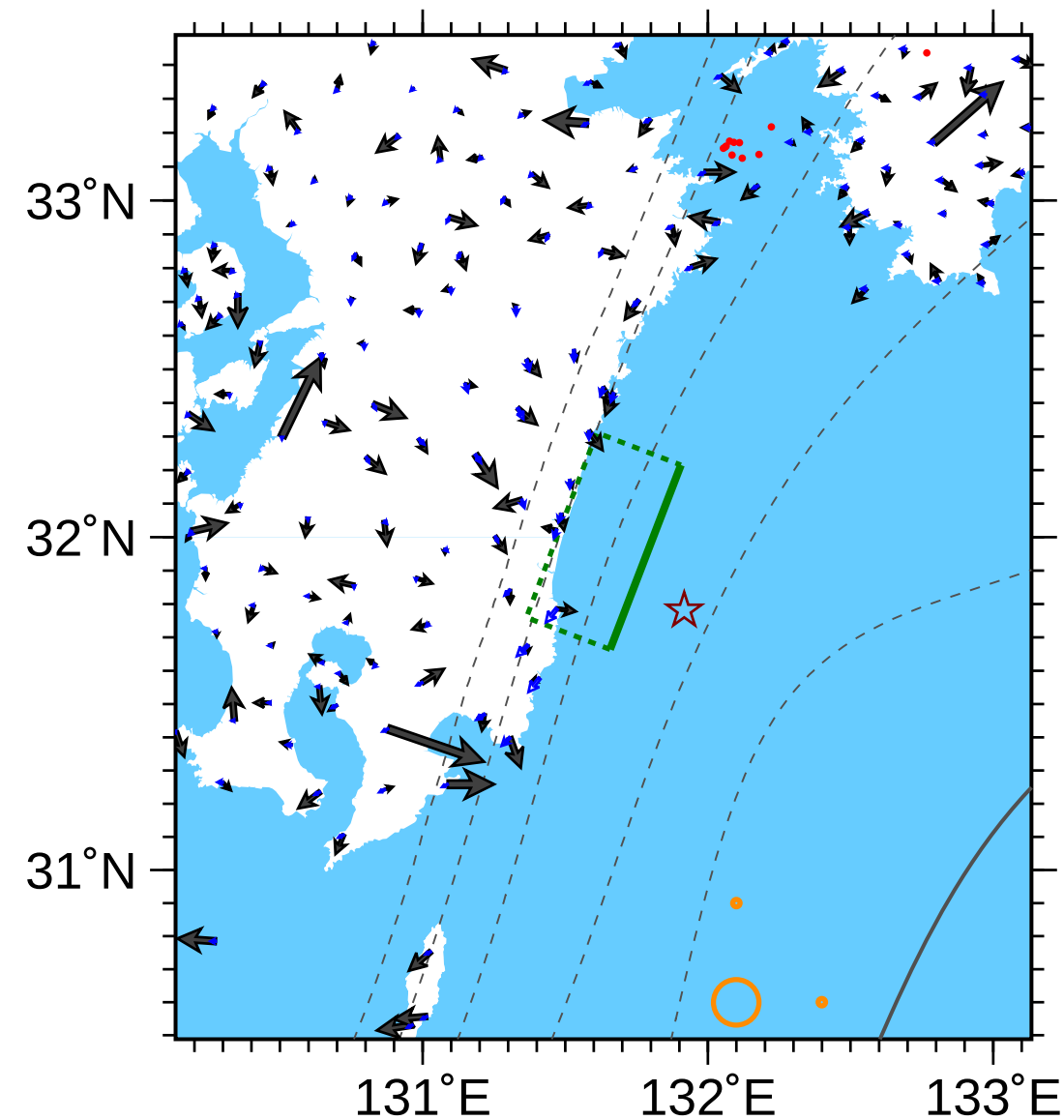
4 mm
Obs →
Cal ⇨
4 mm
Obs Cal



- 10
- 100
- 1000

Date: Jan-24-2015 class2 Duration: 23 days
len: 65.473 wid: 33.128 str: 200.925 dip: 26.131 rak: 64.022
slp: 6.7 Mw: 5.78 CC: 0.427 RC2: 5.1030e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



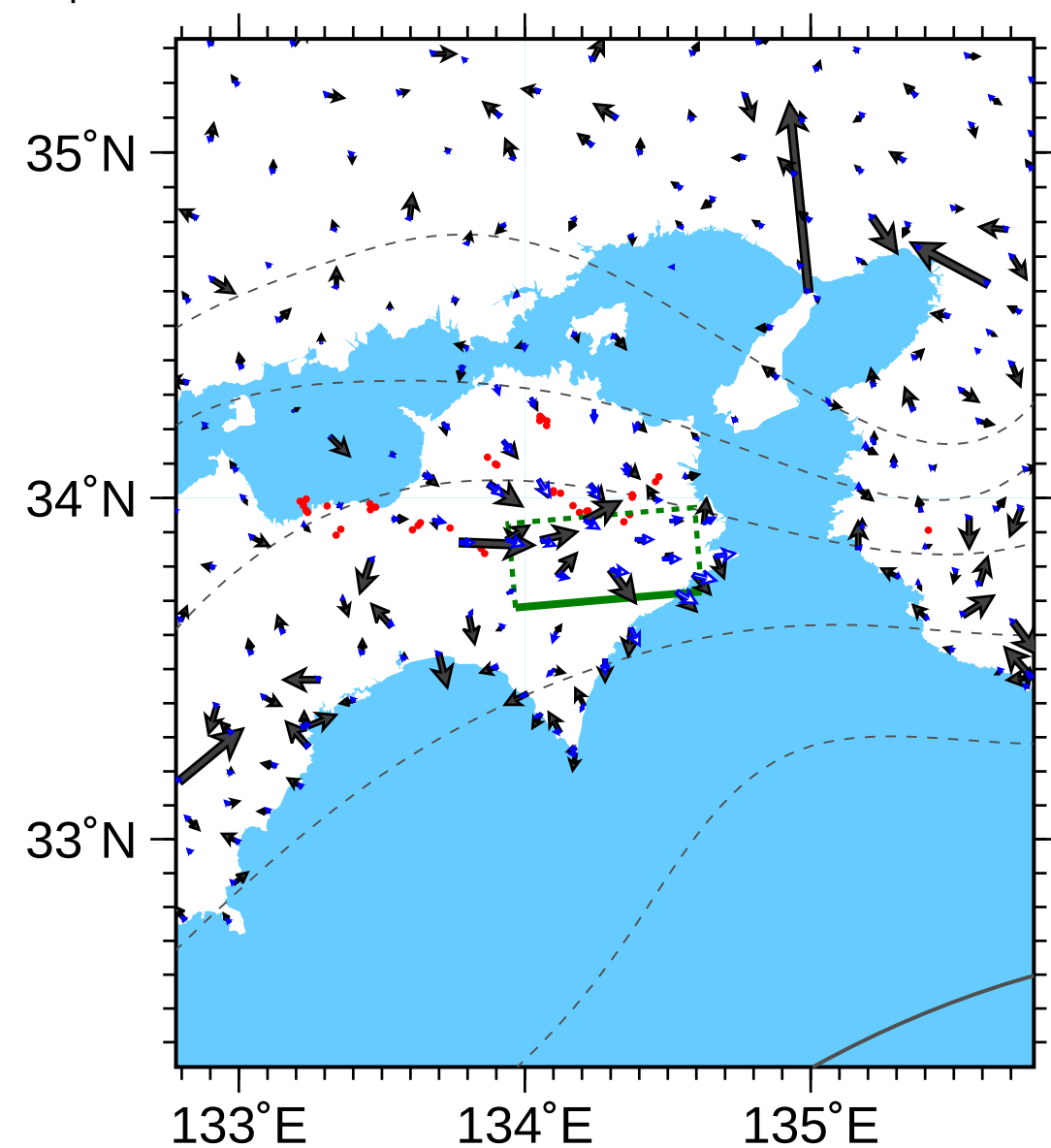
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

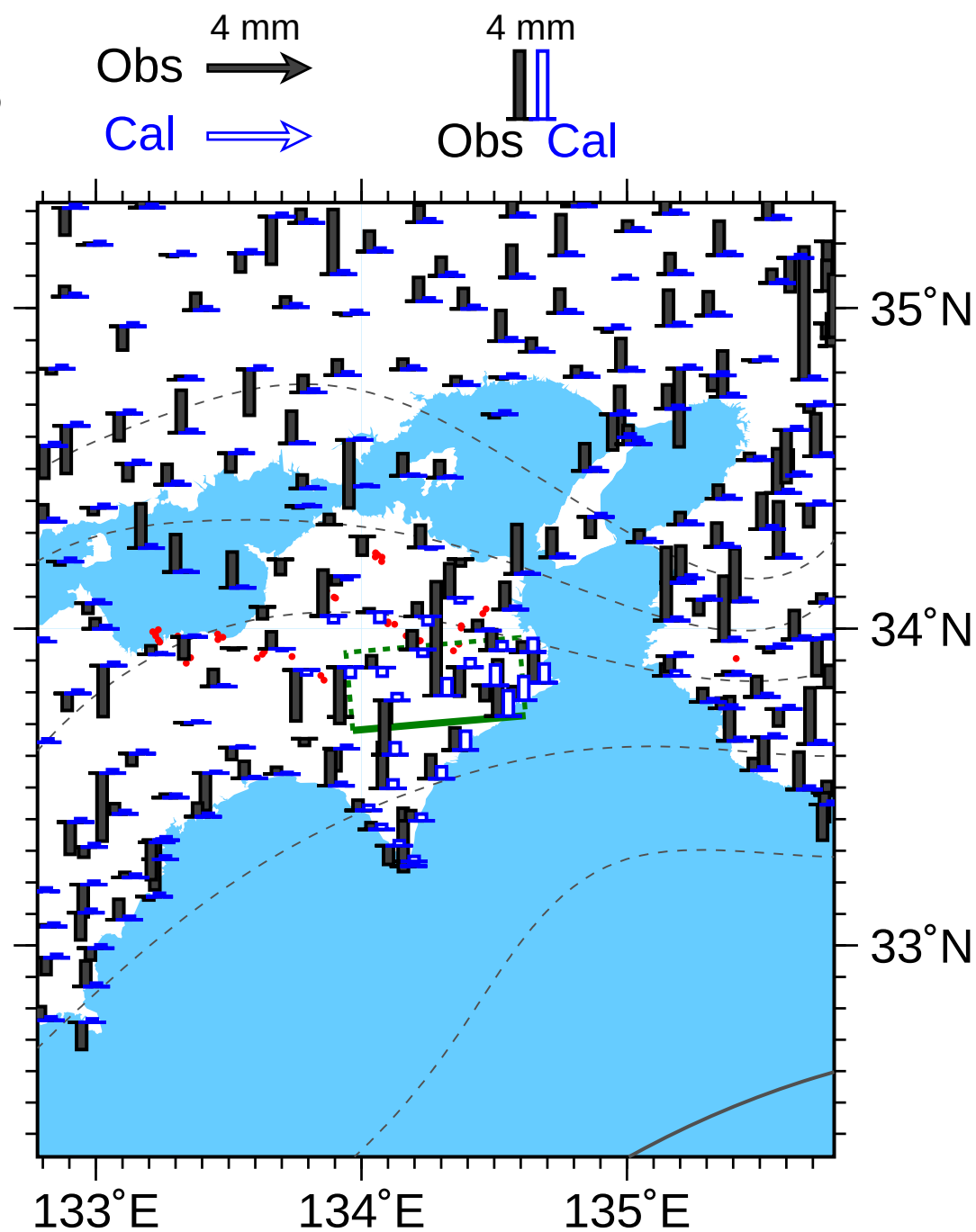
Date: Jan-27-2015 class2 Duration: 28 days

len: 60.544 wid: 27.706 str: 265.113 dip: 9.769 rak: 135.476

slp: 7.6 Mw: 5.74 CC: 0.623 RC2: 1.4080e+02



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

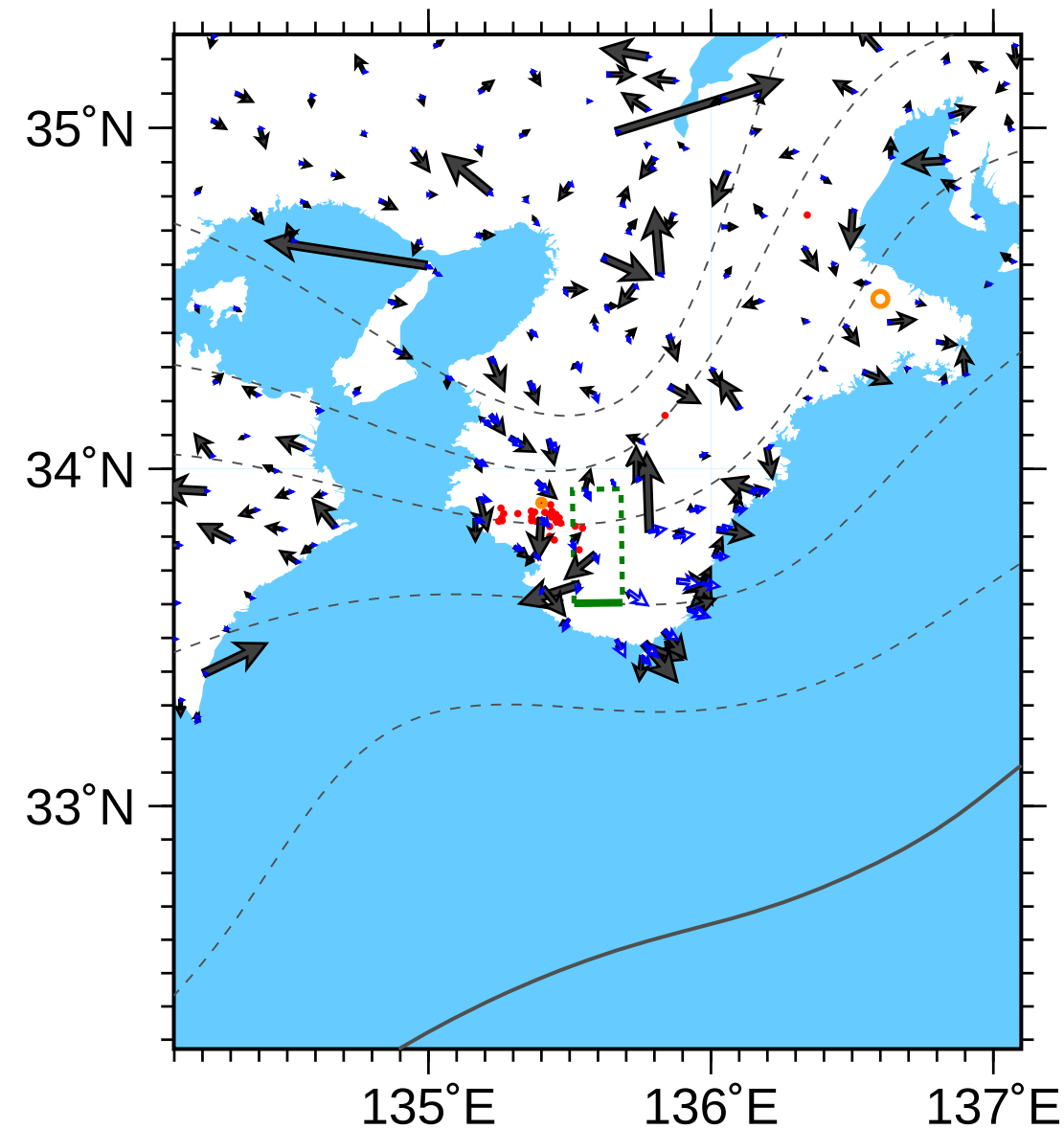


- 10
- 100
- 1000

Date: Mar-13-2015 class2 Duration: 35 days

len: 15.937 wid: 40.545 str: 269.216 dip: 22.879 rak: 120.894

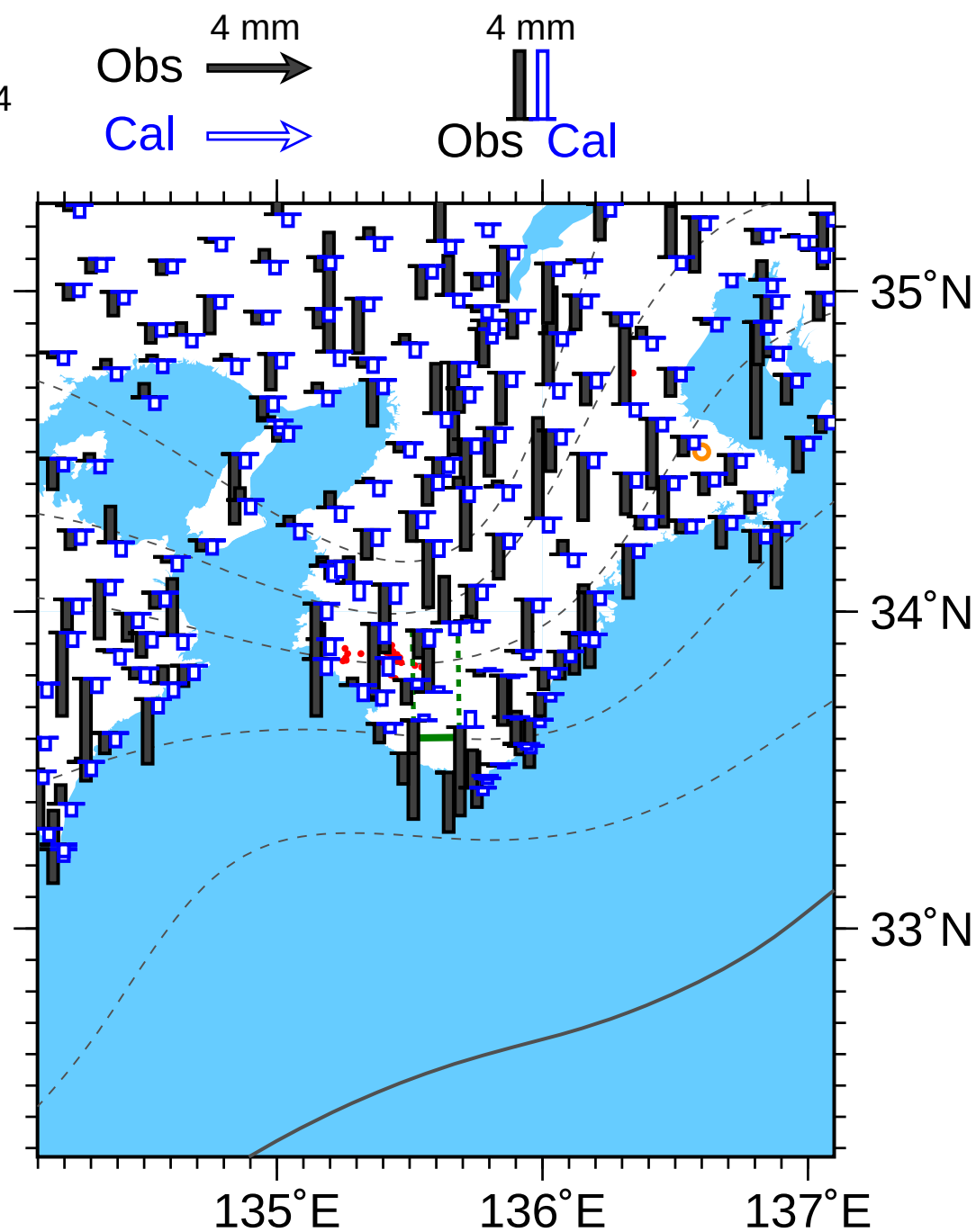
slp: 12.6 Mw: 5.61 CC: 0.518 RC2: 6.4505e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

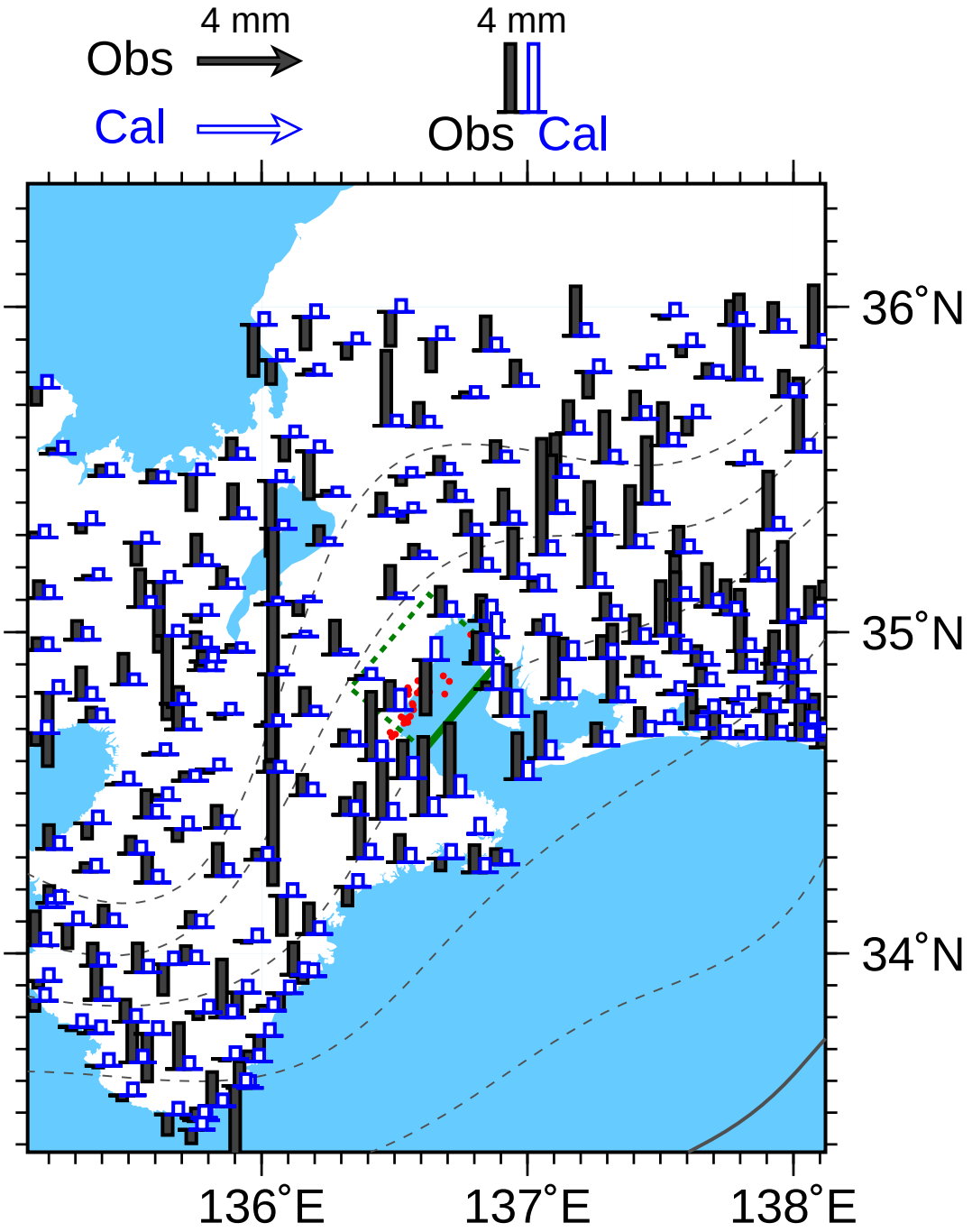
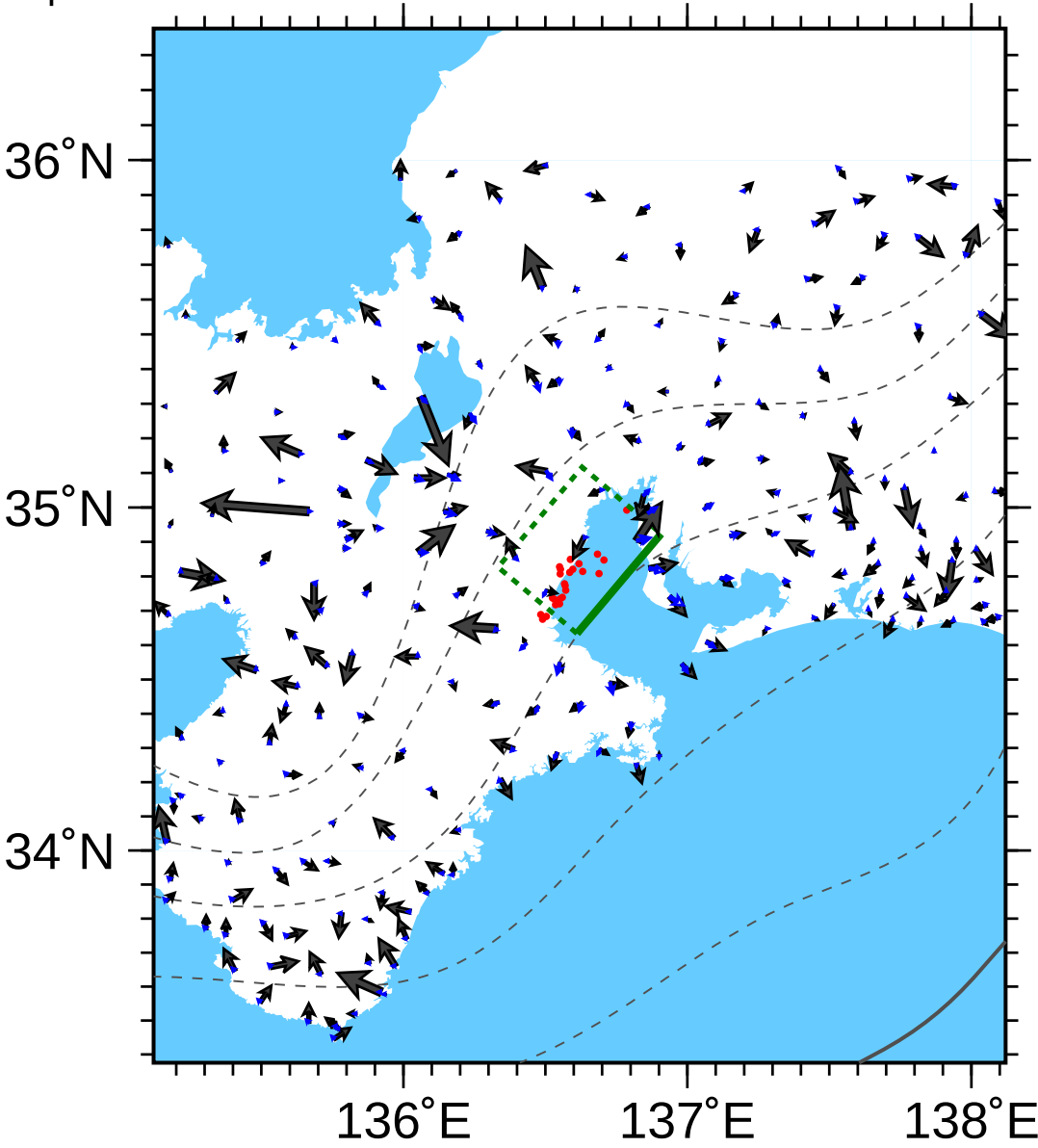
○ Very low frequency earthquake (Baba et al., 2020)



Date: May-8-2015 class2 Duration: 2 days

len: 42.043 wid: 34.374 str: 220.087 dip: 14.665 rak: 89.365

slp: 8.3 Mw: 5.72 CC: 0.524 RC2: 1.1459e+02

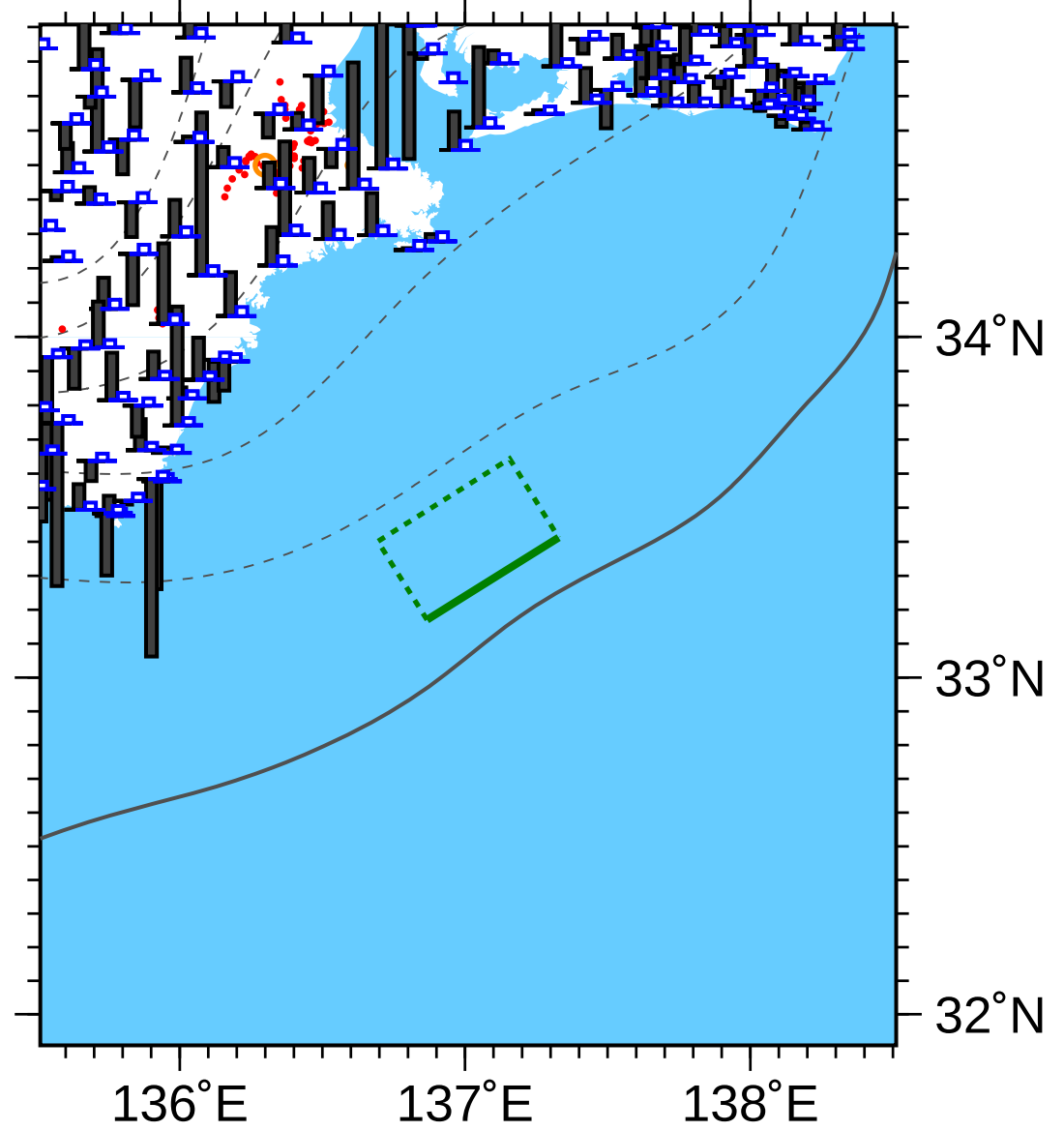
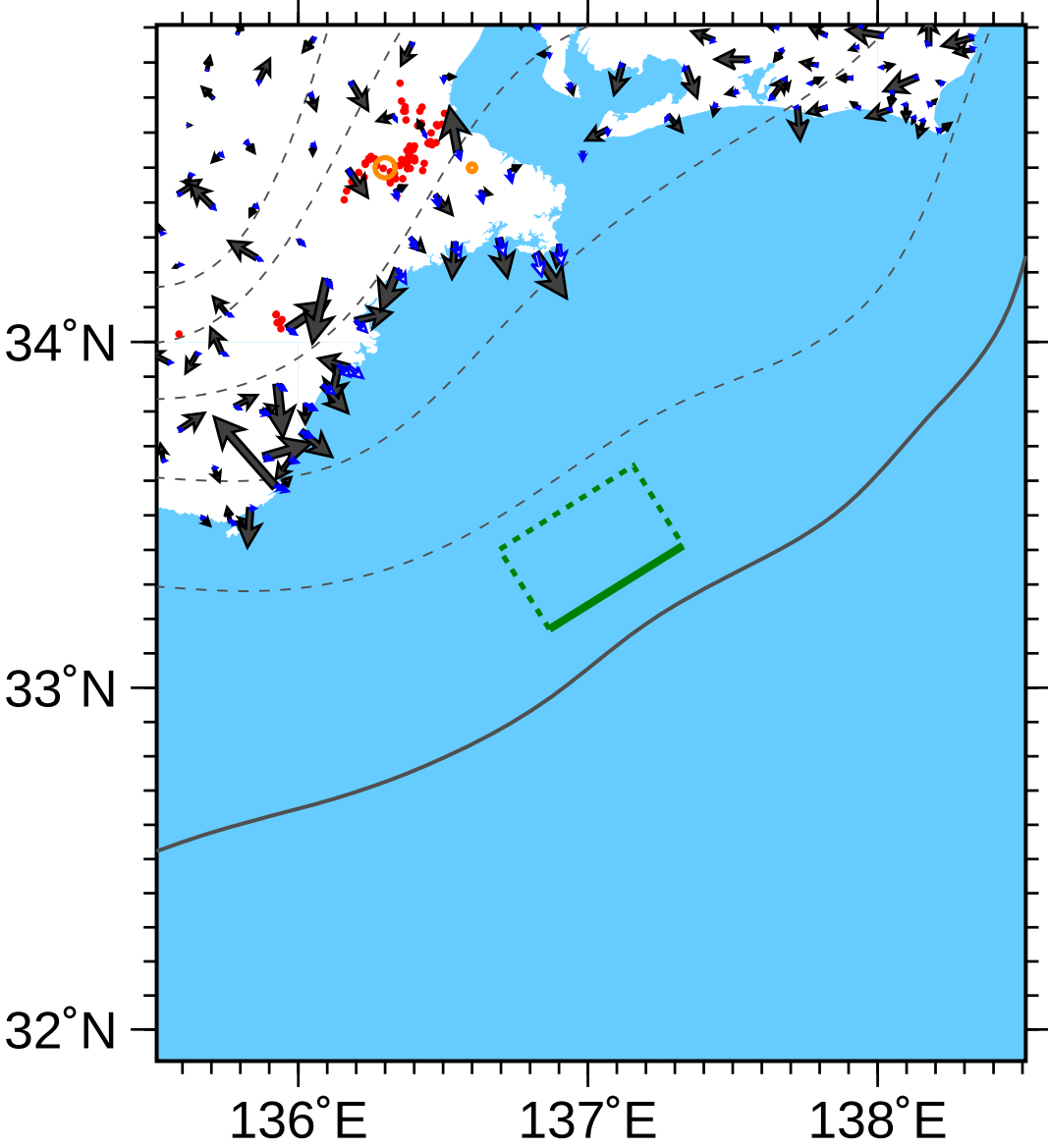


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

Date: Jul-20-2015 class2 Duration: 14 days
len: 50.665 wid: 30.463 str: 237.935 dip: 7.275 rak: 79.156
slp: 69.4 Mw: 6.35 CC: 0.540 RC2: 1.1082e+02

4 mm
Obs $\longrightarrow$
Cal $\Longrightarrow$
4 mm
Obs Cal



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

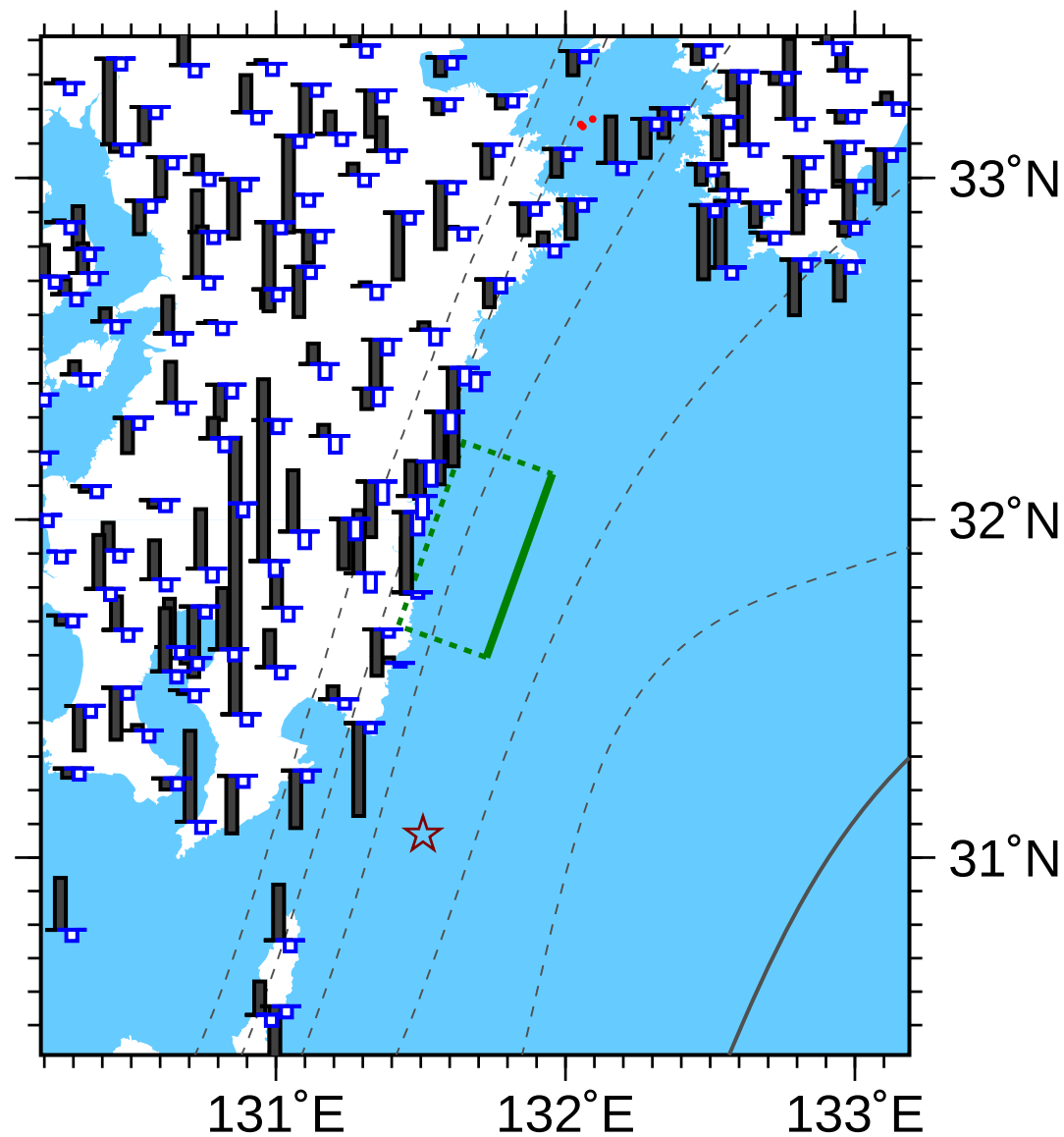
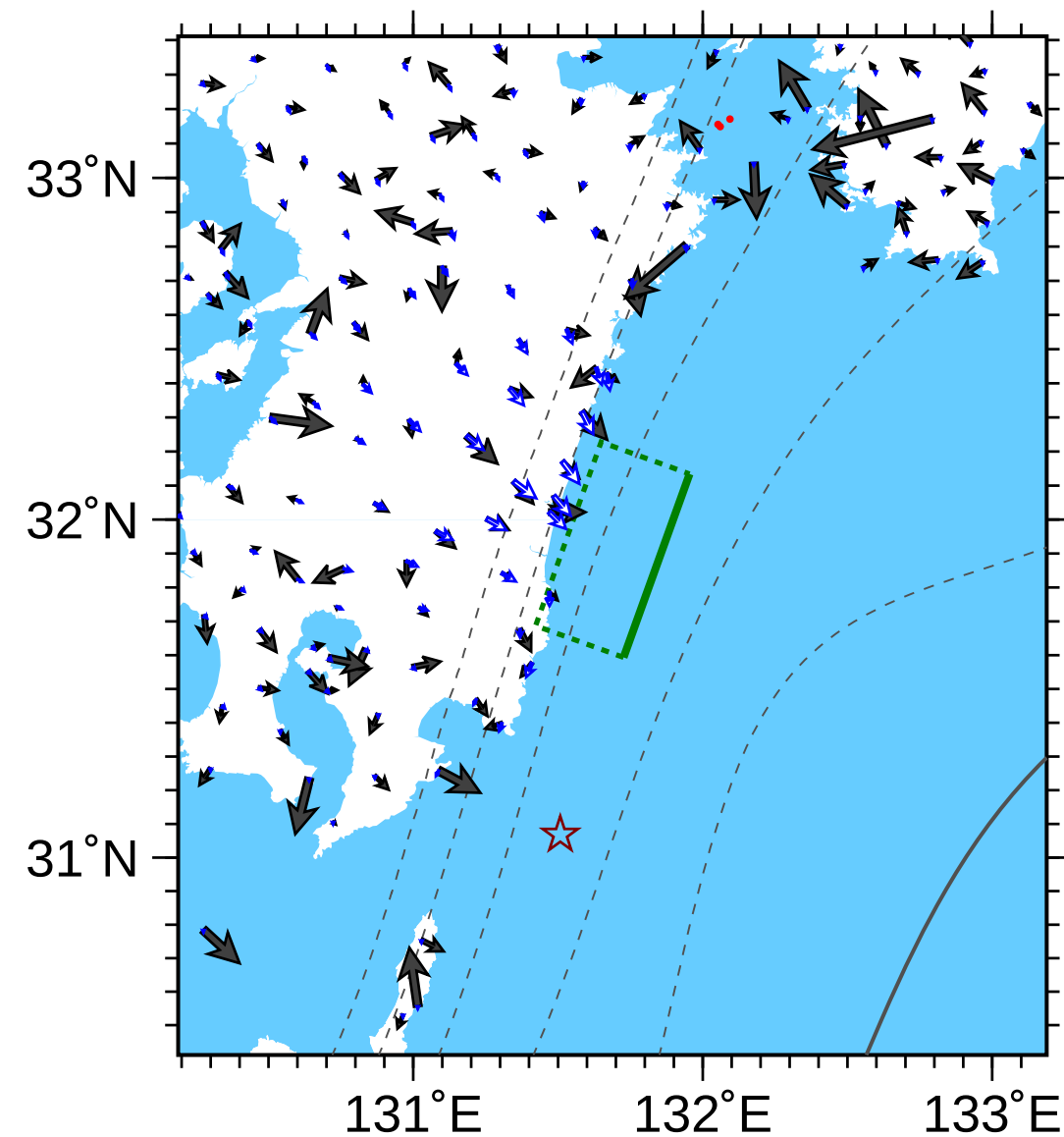
- 10
- 100
- 1000

Date: Jul-23-2015 class2 Duration: 5 days

len: 63.701 wid: 32.590 str: 199.725 dip: 19.858 rak: 64.330

slp: 9.2 Mw: 5.86 CC: 0.520 RC2: 8.6837e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

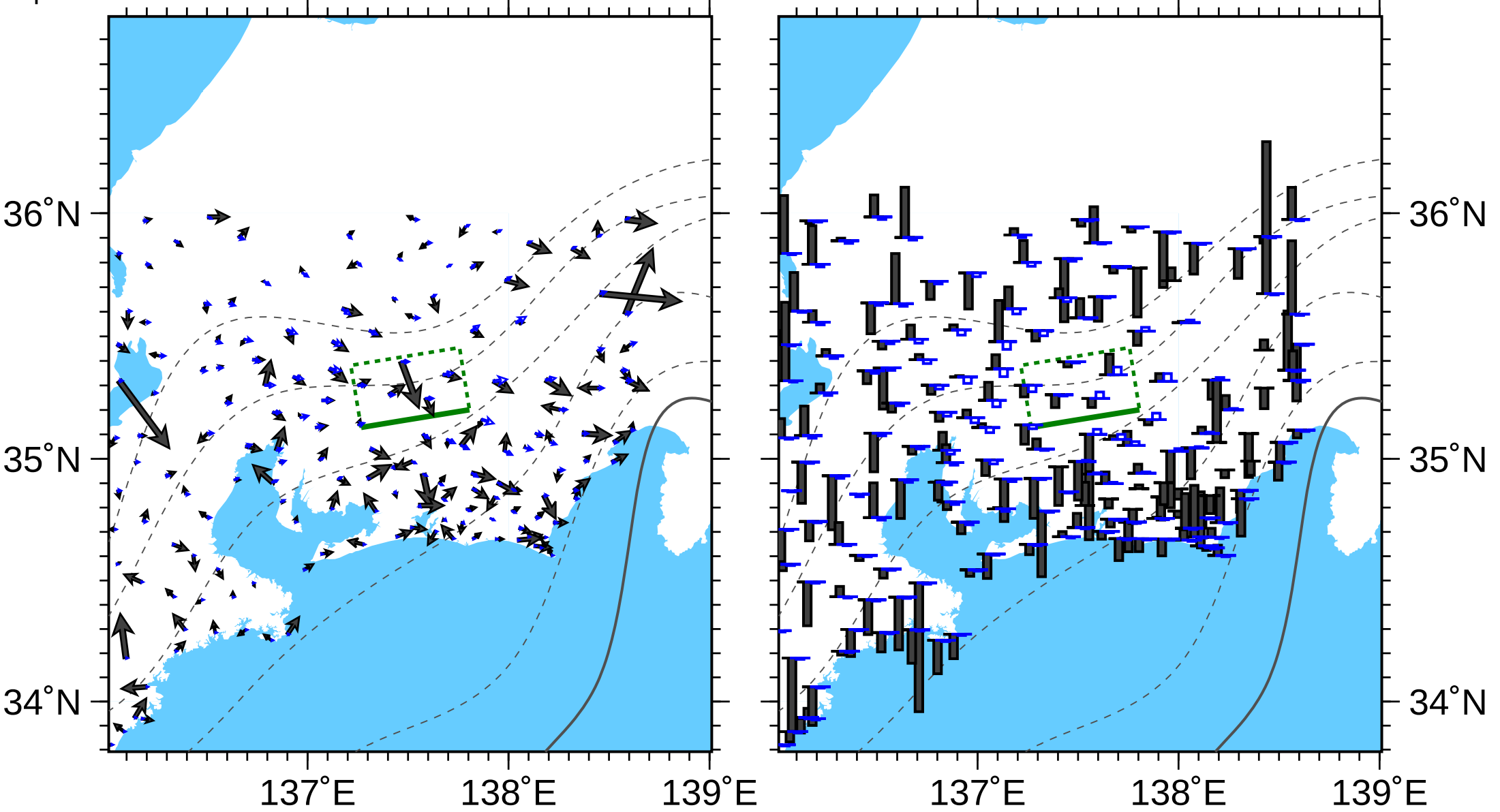
☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Aug-20-2015 class2 Duration: 3 days
len: 49.762 wid: 30.770 str: 260.718 dip: 22.188 rak: 156.425
slp: 7.9 Mw: 5.72 CC: 0.507 RC2: 5.3483e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

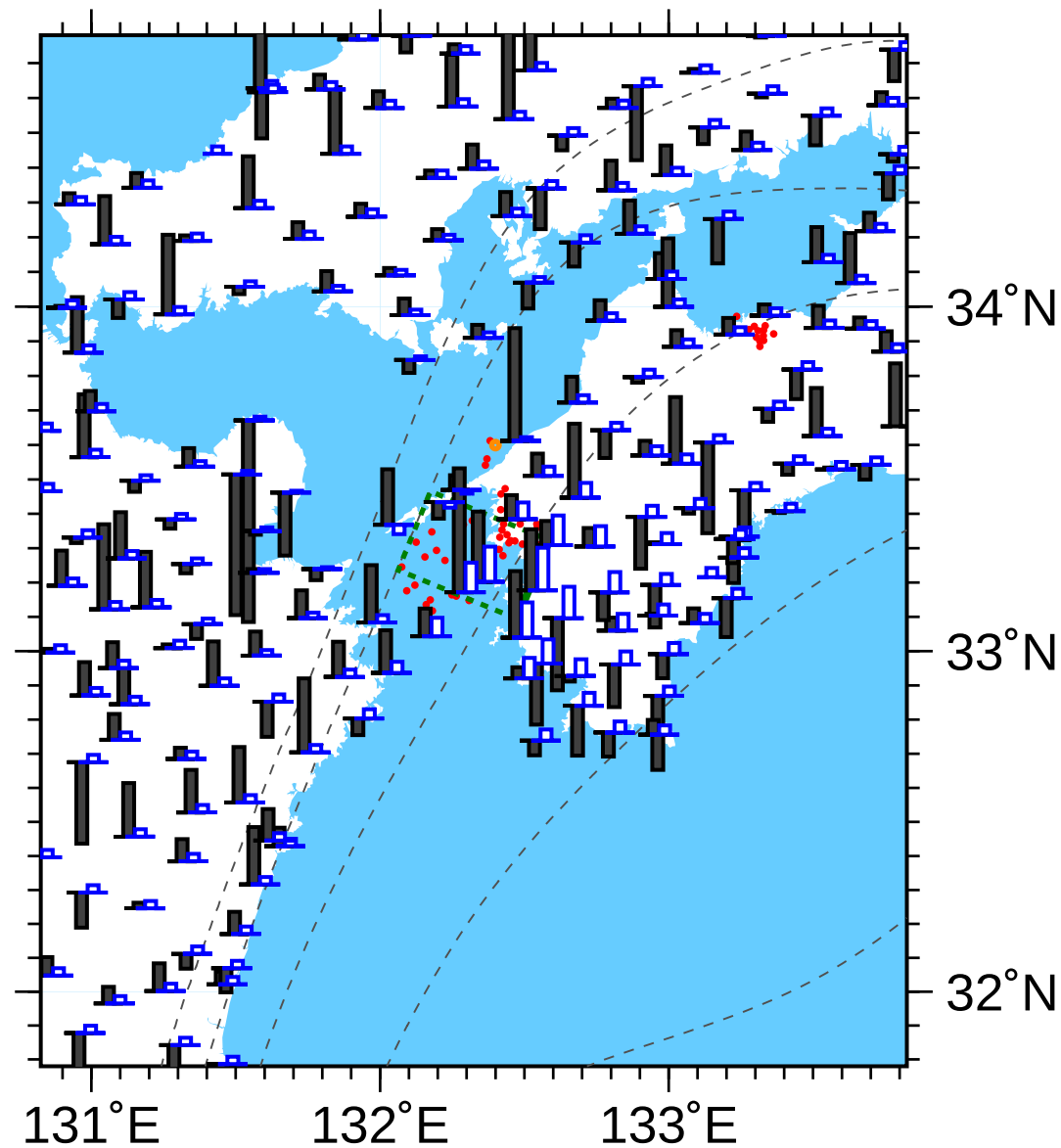
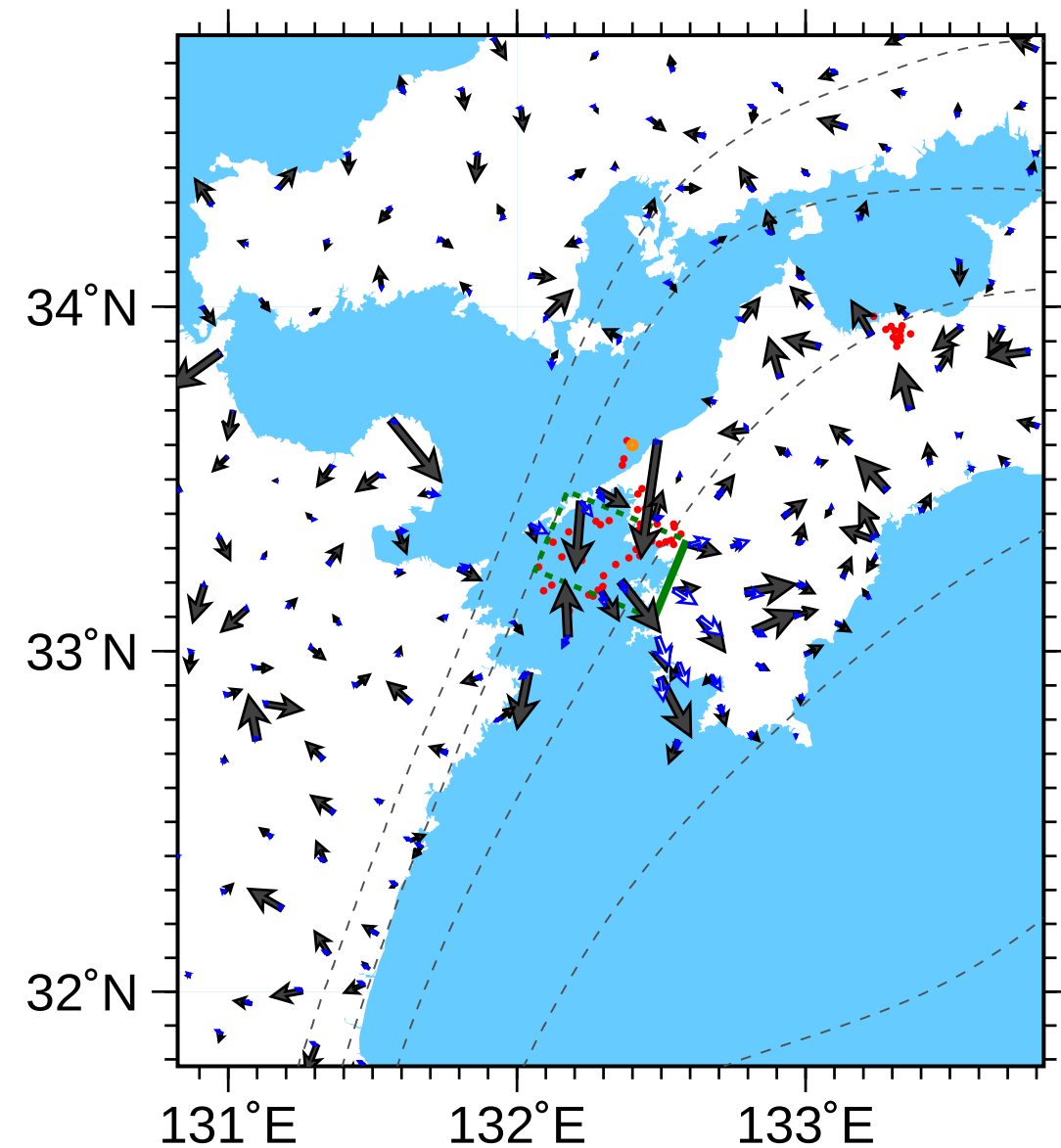


Date: Sep-2-2015 class2 Duration: 5 days

len: 27.436 wid: 42.293 str: 202.413 dip: 11.221 rak: 69.877

slp: 14.7 Mw: 5.82 CC: 0.606 RC2: 1.3805e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

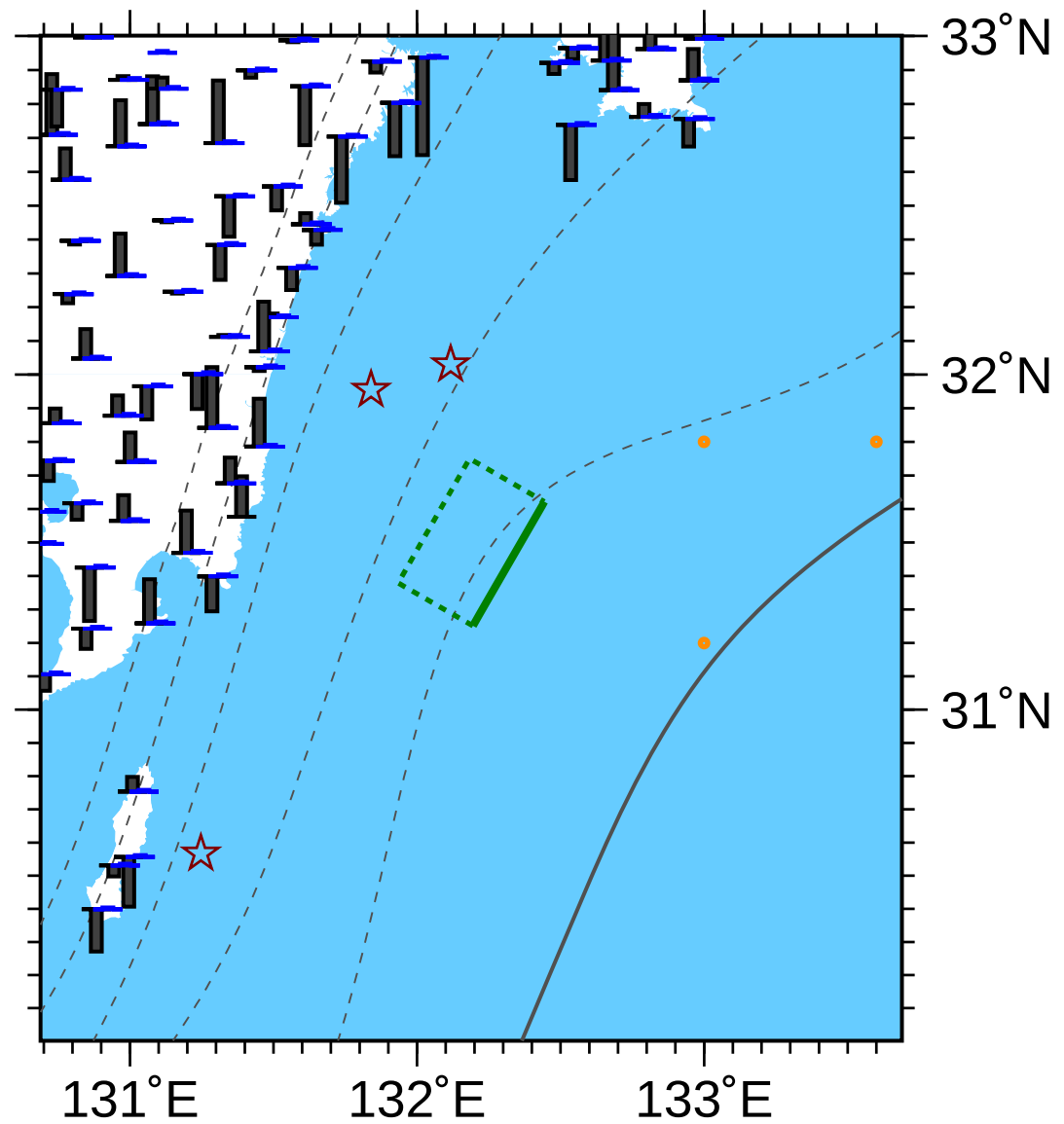
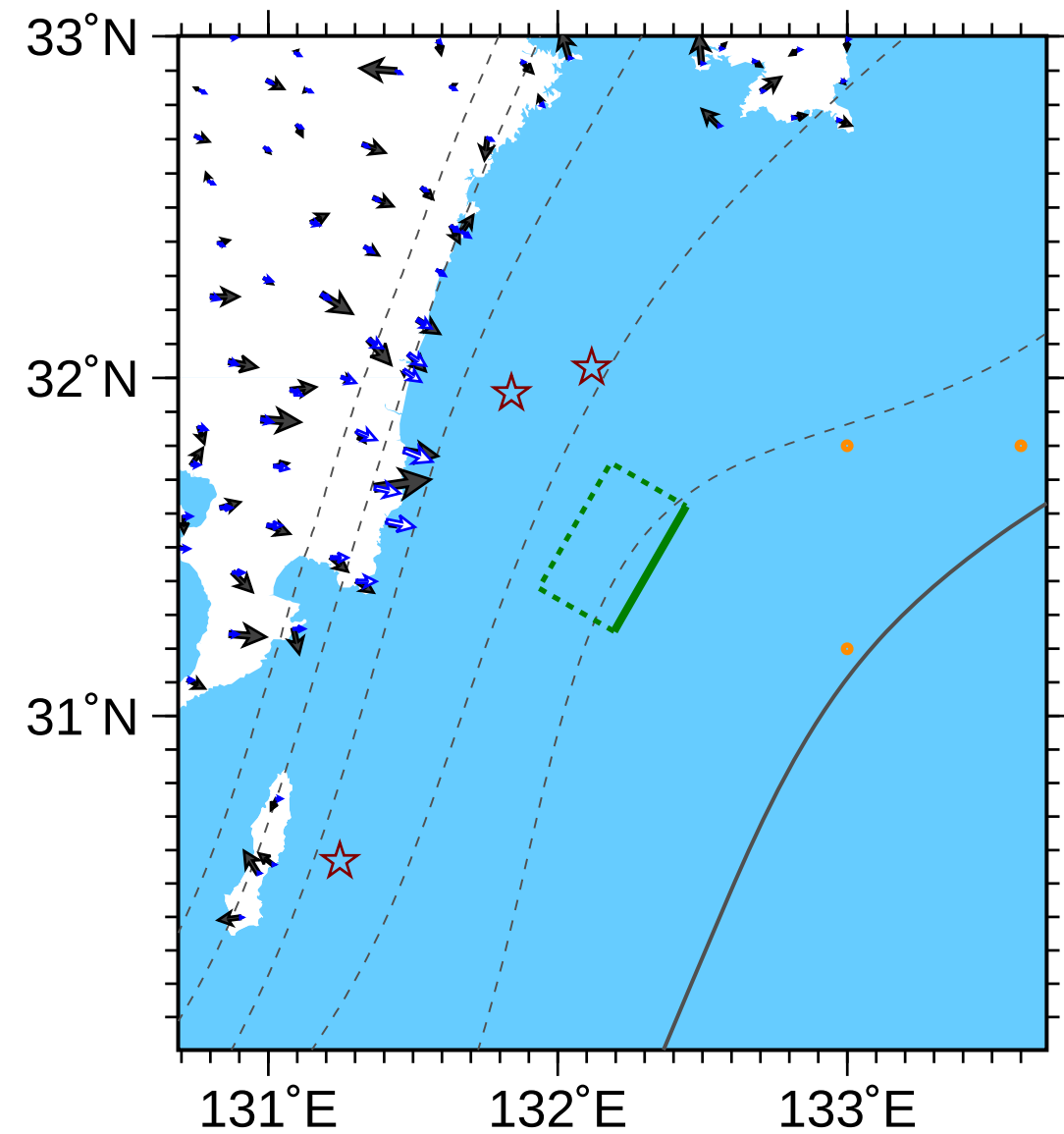


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Oct-13-2015 class2 Duration: 14 days
len: 47.418 wid: 30.298 str: 209.886 dip: 19.648 rak: 97.814
slp: 22.7 Mw: 6.01 CC: 0.469 RC2: 5.5971e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



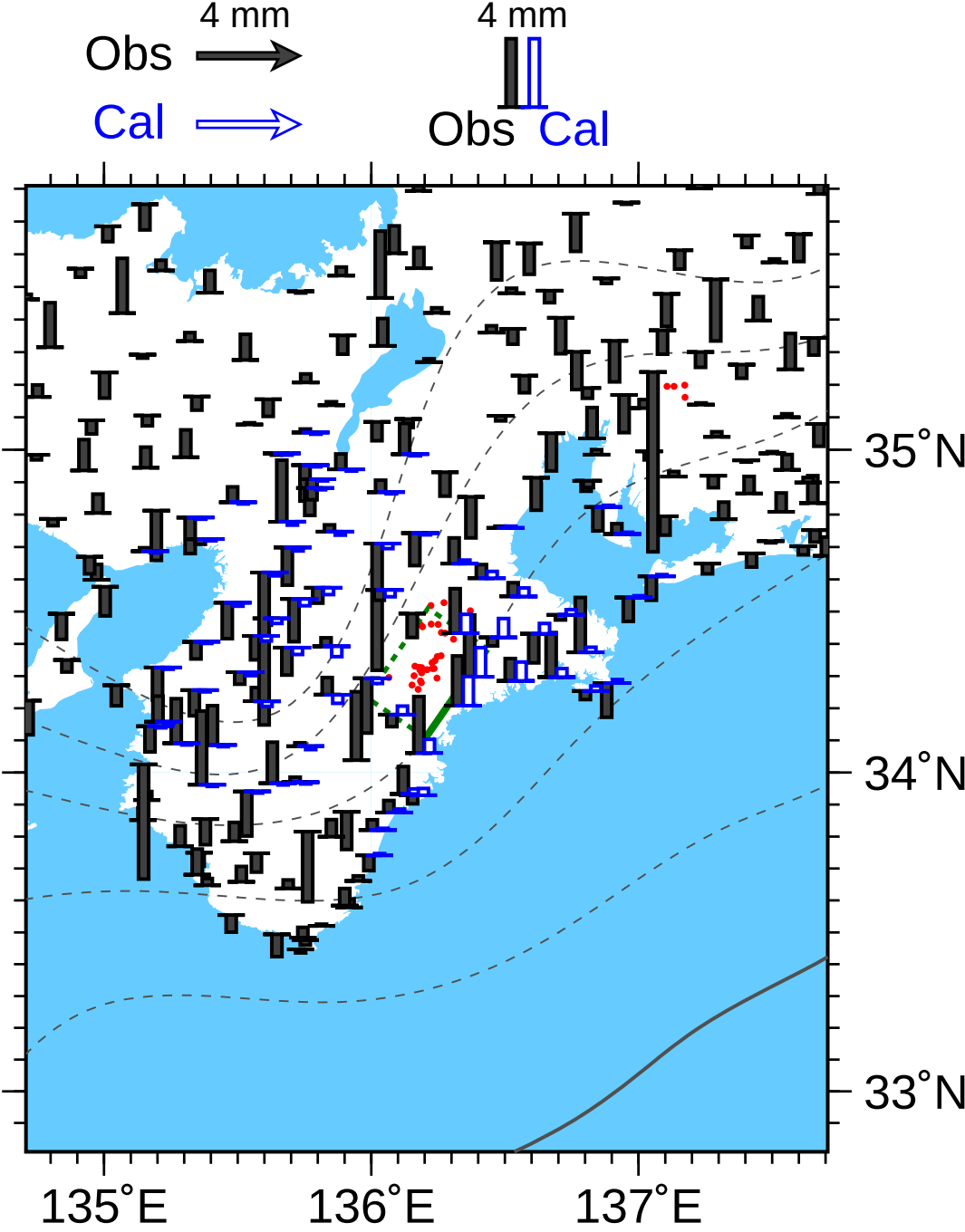
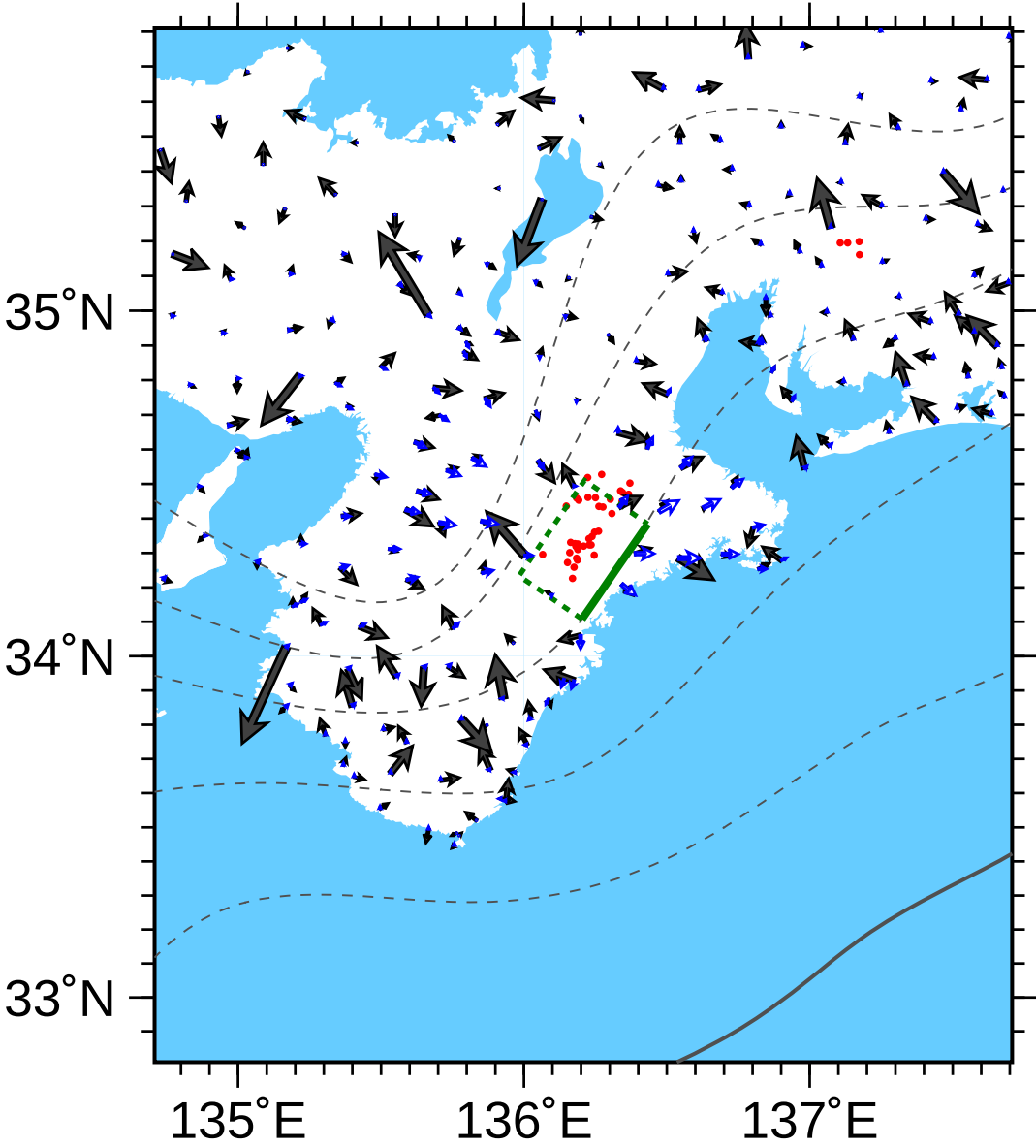
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

10 100 1000

Date: Oct-27-2015 class2 Duration: 4 days

len: 37.282 wid: 25.632 str: 214.533 dip: 15.902 rak: 102.583

slp: 14.5 Mw: 5.76 CC: 0.525 RC2: 1.3885e+02



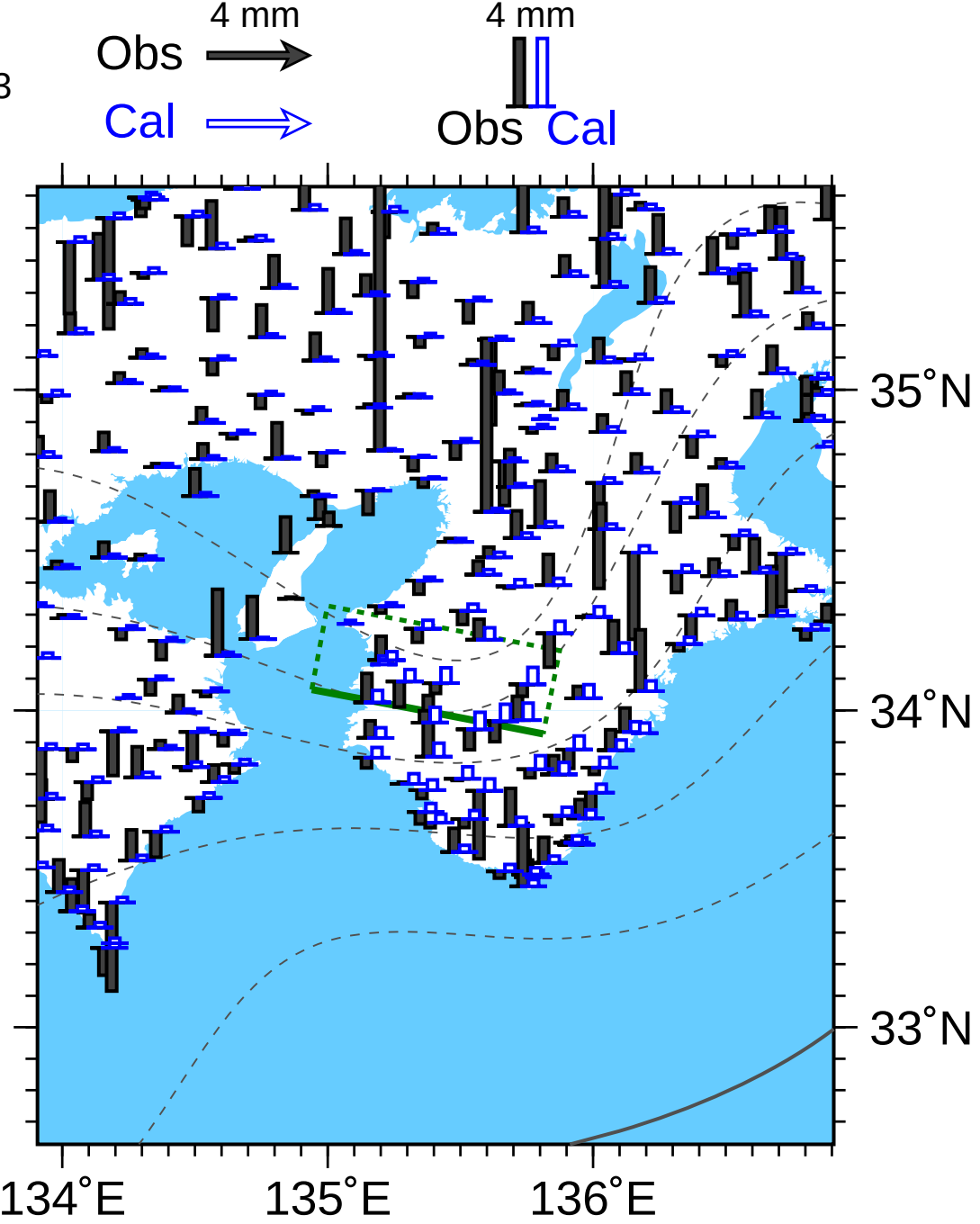
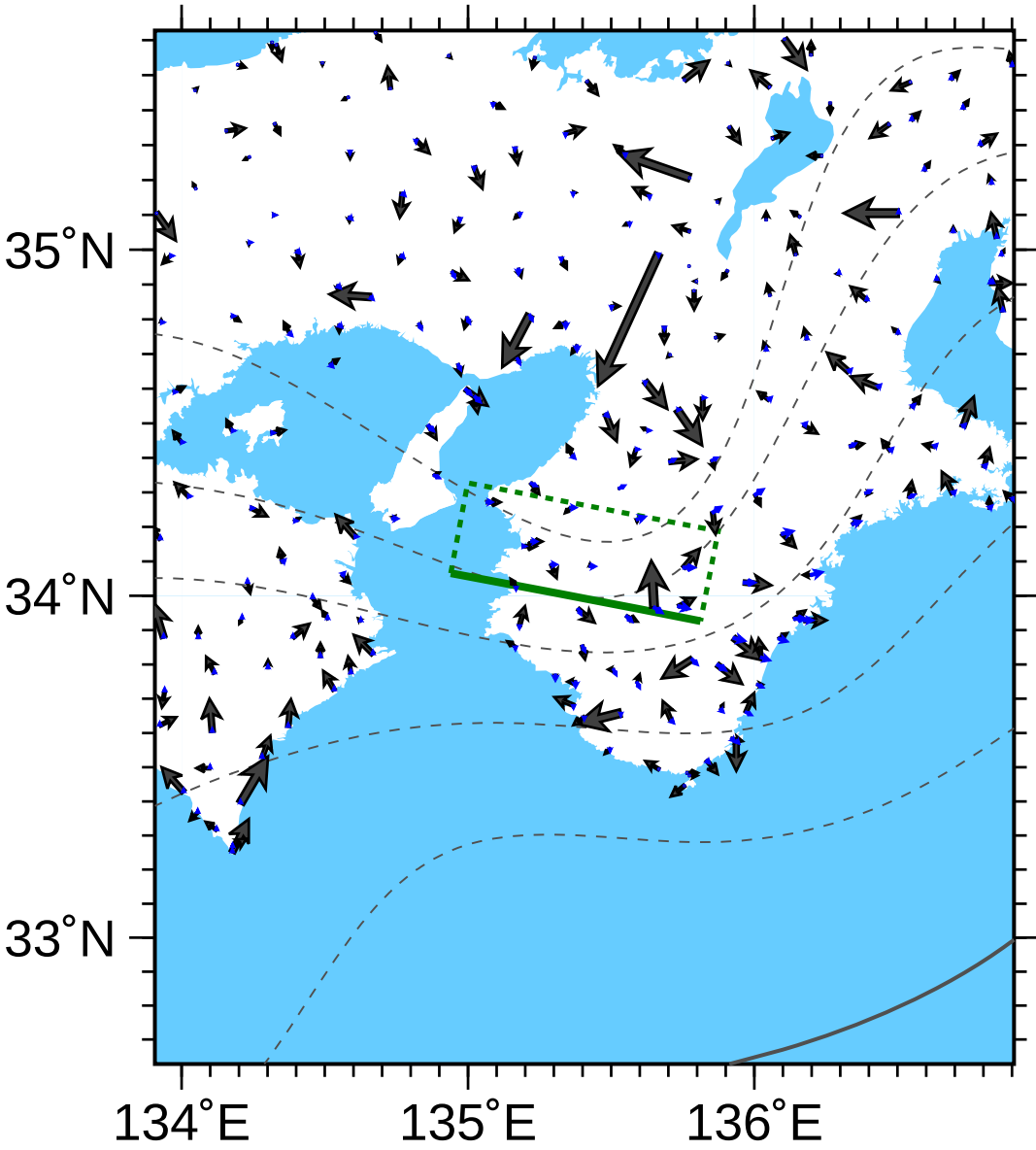
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Nov-22-2015 class2 Duration: 1 days

len: 82.053 wid: 33.239 str: 280.858 dip: 27.293 rak: 142.363

slp: 5.9 Mw: 5.81 CC: 0.484 RC2: 9.1489e+01

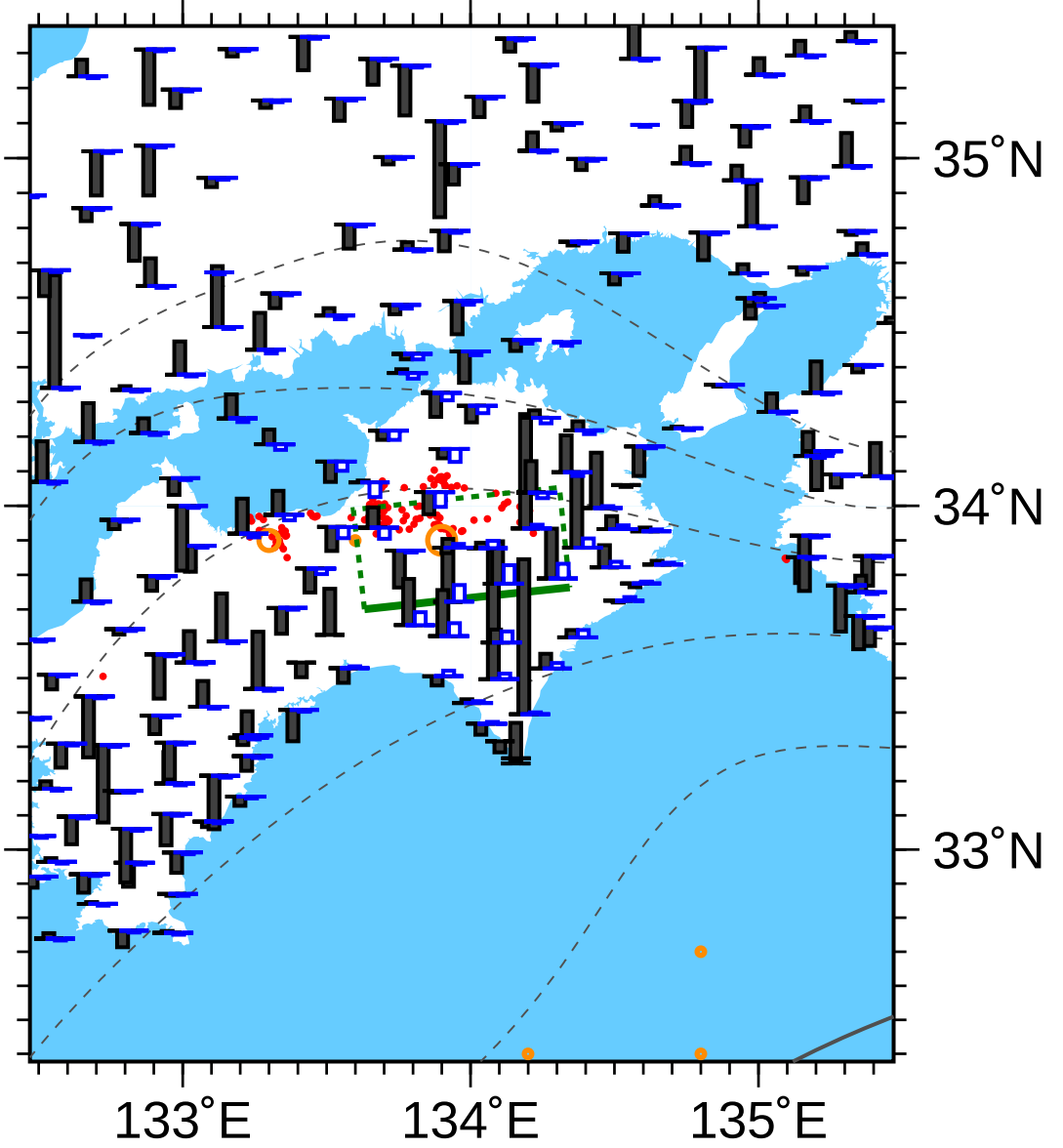
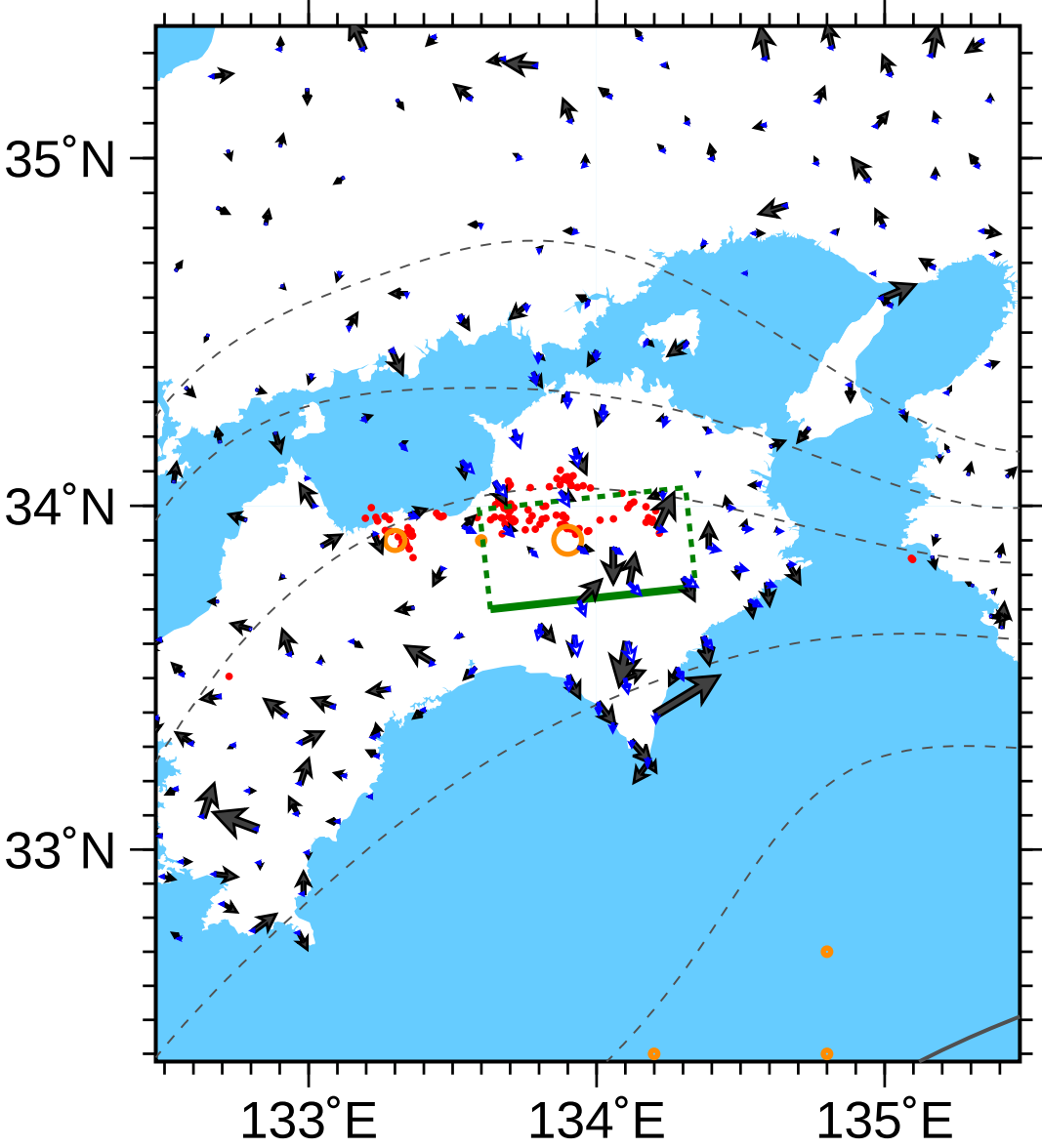


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Jan-3-2016 class2 Duration: 16 days
len: 66.487 wid: 32.511 str: 263.908 dip: 7.584 rak: 115.277
slp: 5.5 Mw: 5.72 CC: 0.606 RC2: 1.4620e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

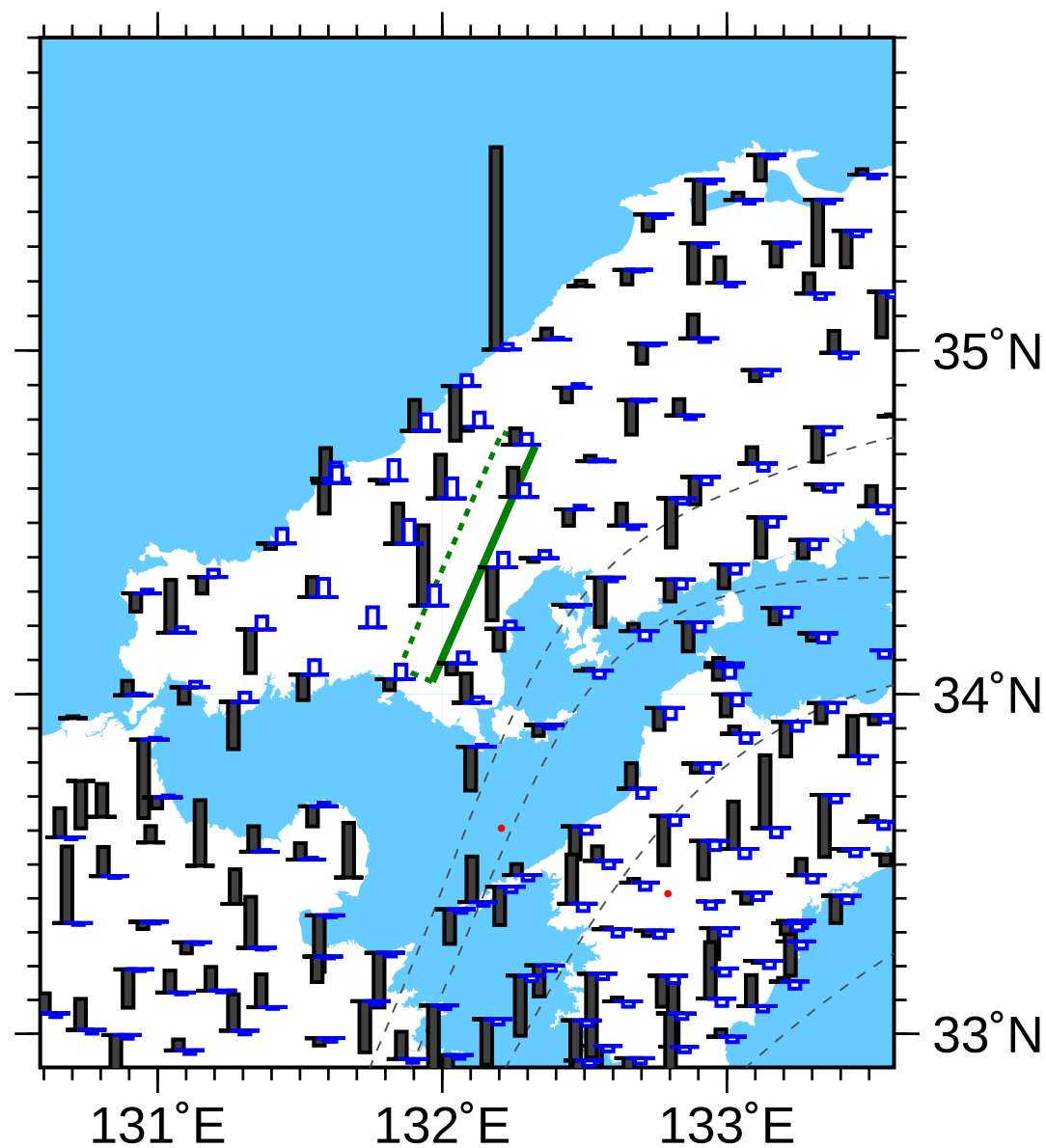
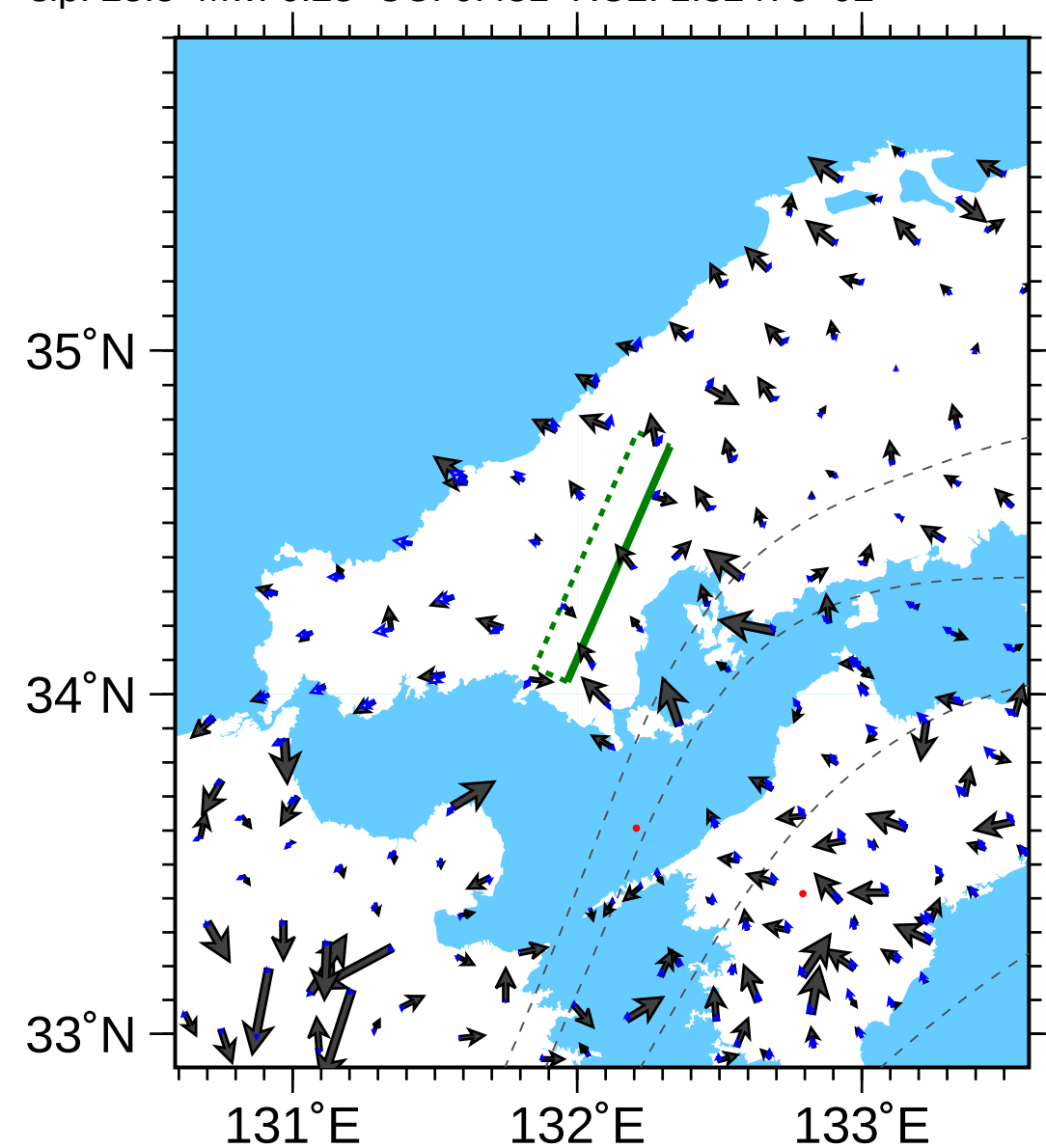
  
10 100 1000

Date: May-24-2016 class2 Duration: 21 days

len: 83.044 wid: 28.993 str: 203.551 dip: 66.576 rak: 69.885

slp: 28.5 Mw: 6.23 CC: 0.431 RC2: 1.3247e+02

4 mm
Obs 
Cal 
Obs  Cal 
4 mm



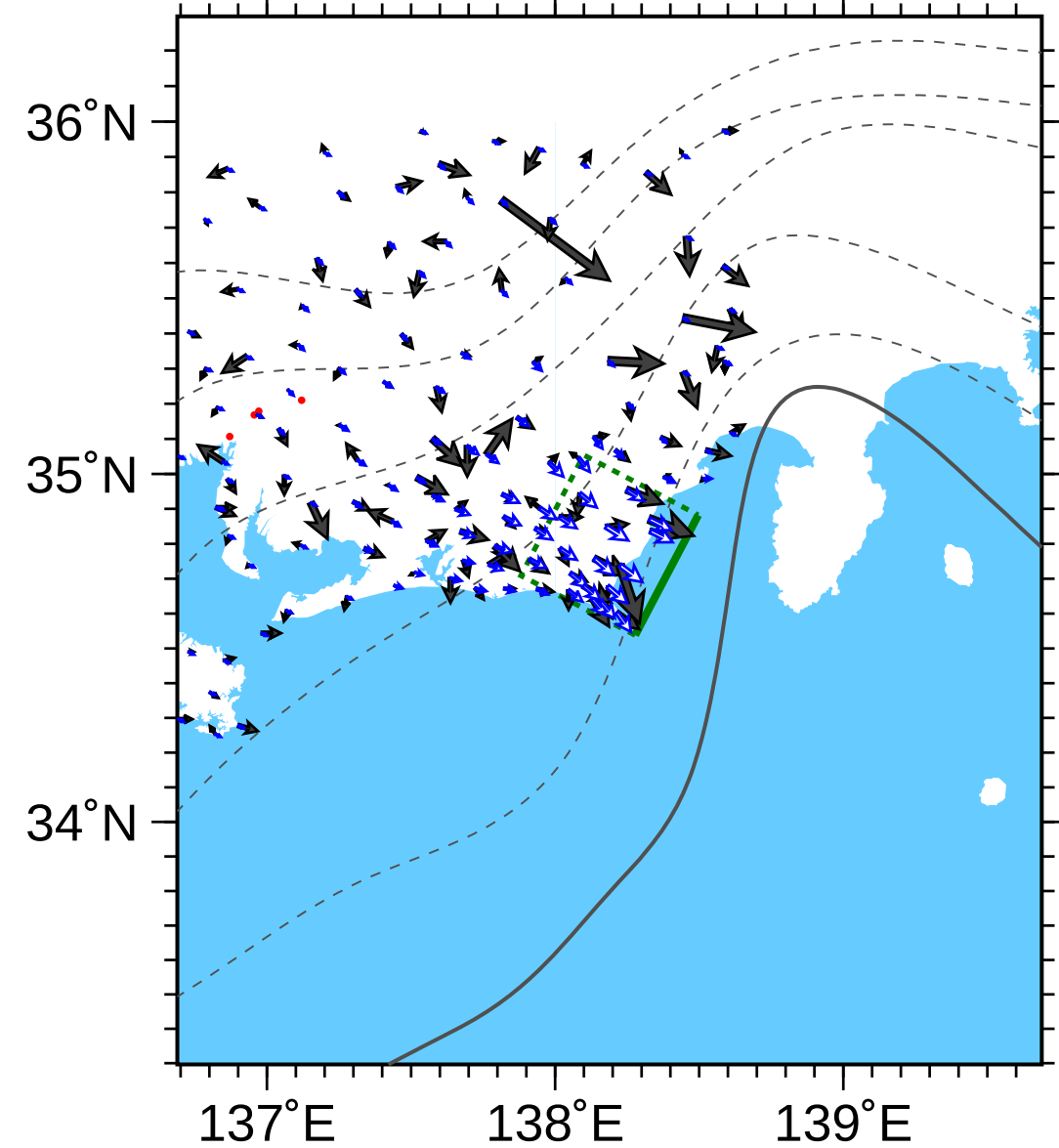
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: May-31-2016 class2 Duration: 35 days

len: 43.162 wid: 42.766 str: 207.621 dip: 16.562 rak: 83.741

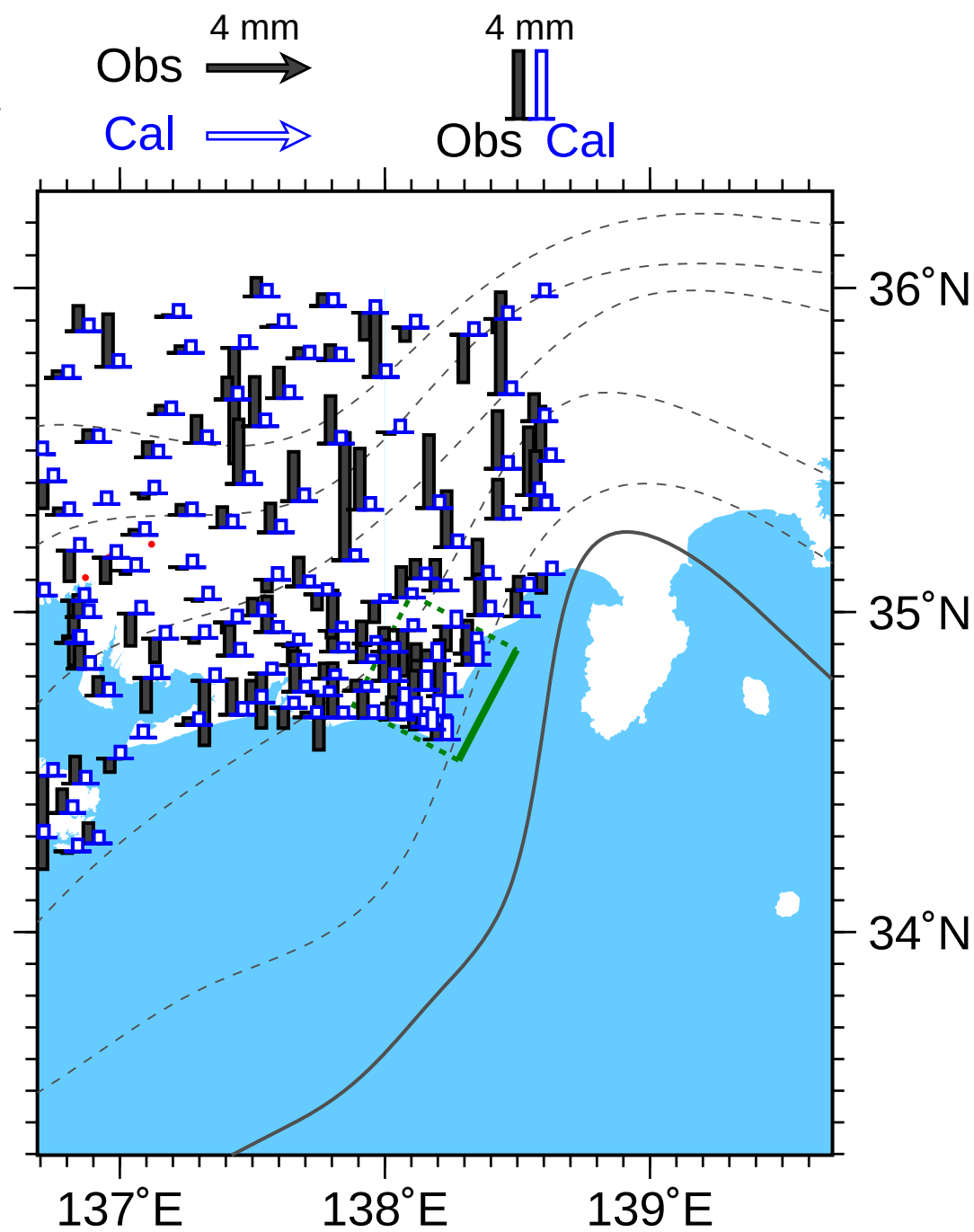
slp: 2.6 Mw: 5.45 CC: 0.475 RC2: 5.3840e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

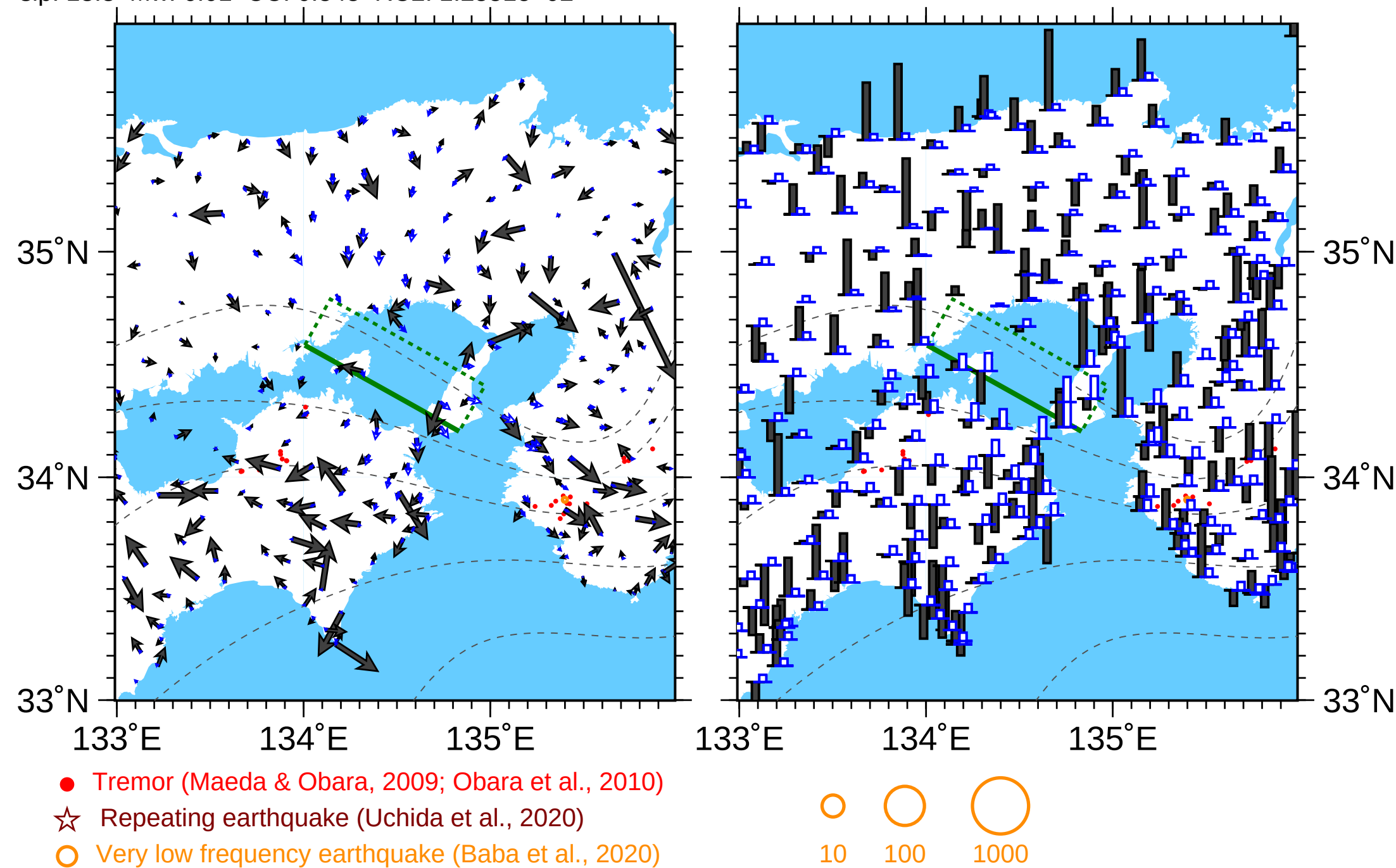


○ ○ ○
10 100 1000

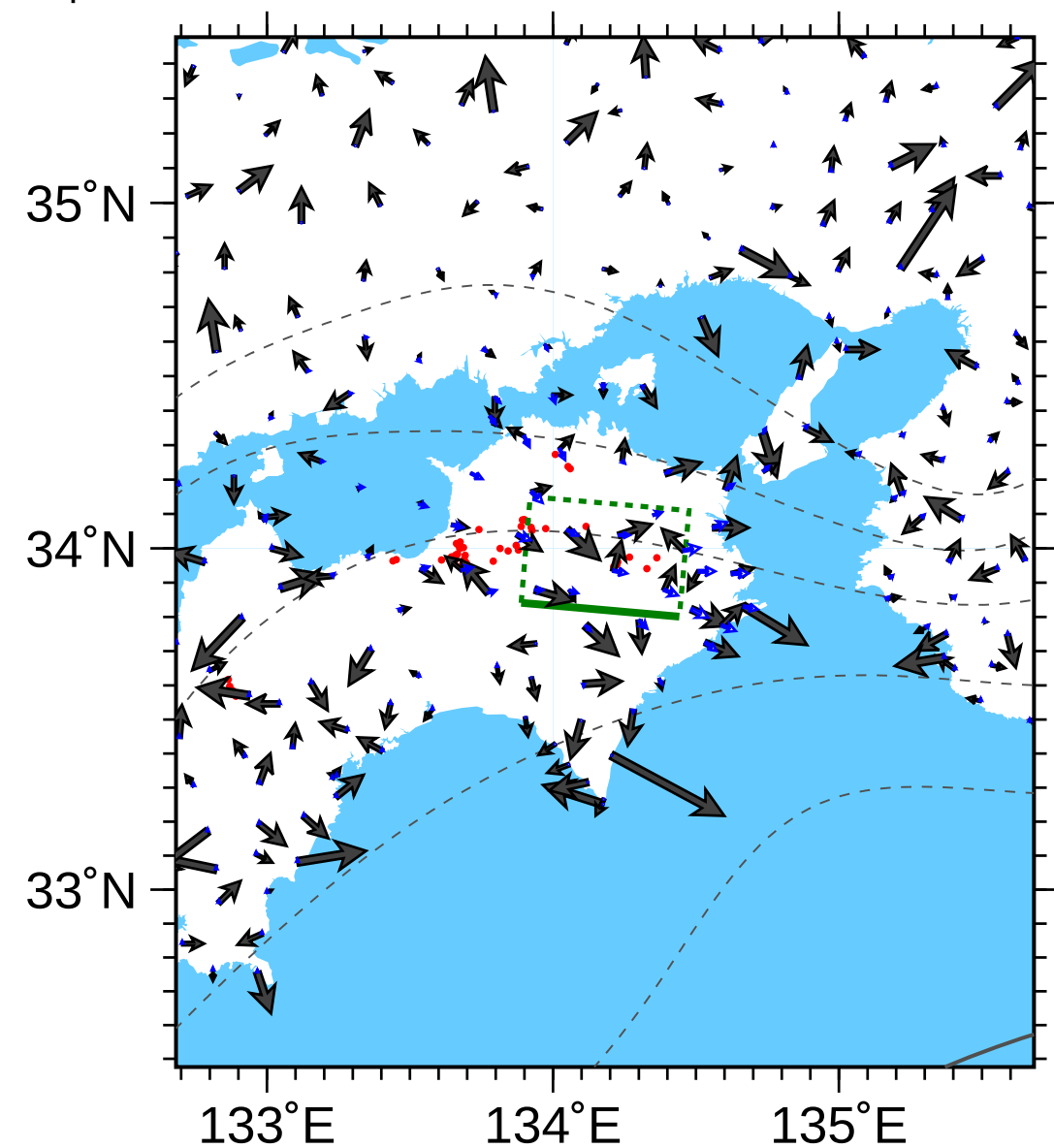
Date: Jun-19-2016 class2 Duration: 36 days

len: 87.023 wid: 27.706 str: 299.152 dip: 20.830 rak: 140.340

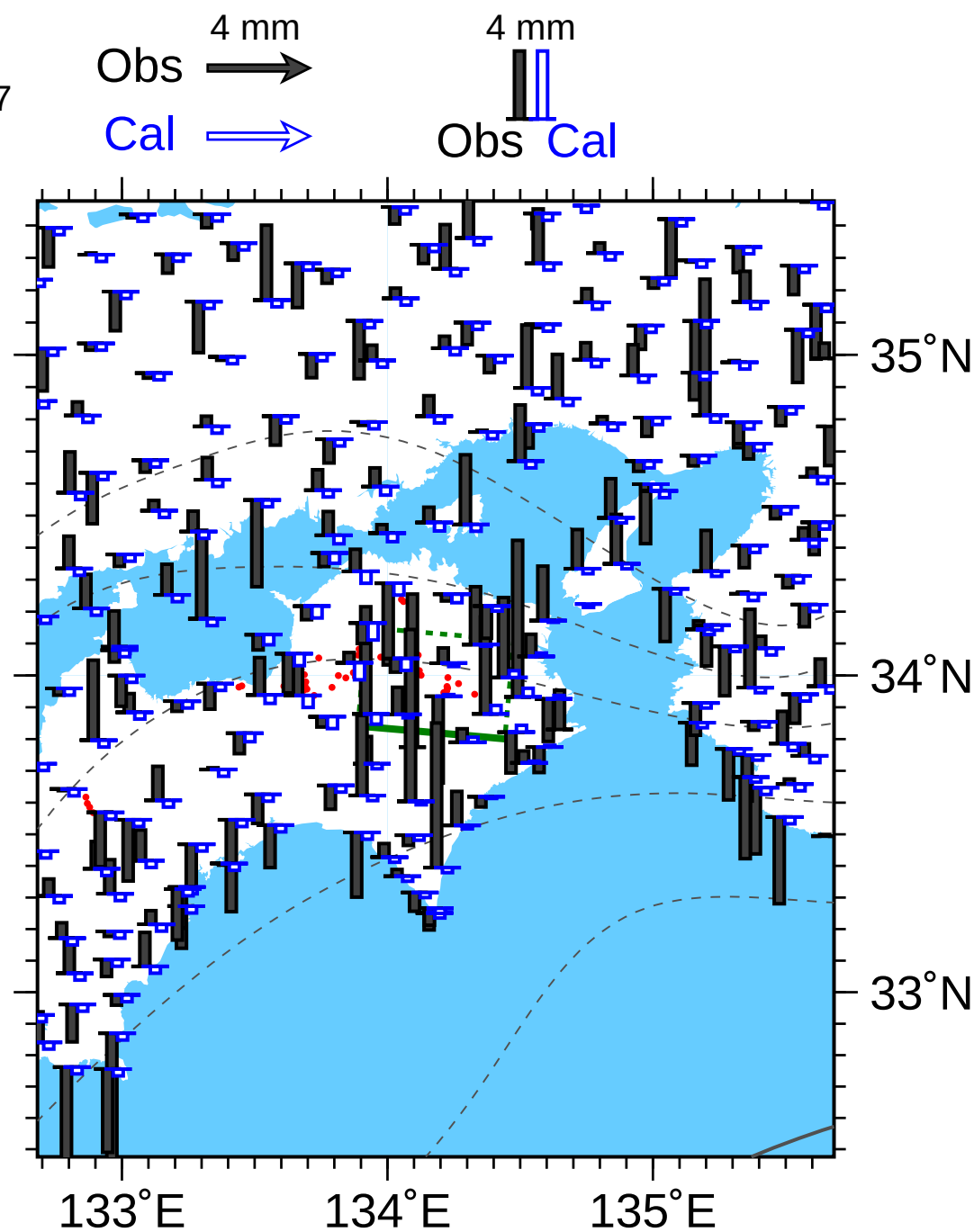
slp: 13.3 Mw: 6.01 CC: 0.545 RC2: 1.2551e+02



Date: Jul-18-2016 class2 Duration: 13 days
len: 51.400 wid: 35.468 str: 275.035 dip: 14.018 rak: 155.267
slp: 5.4 Mw: 5.66 CC: 0.508 RC2: 6.1930e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

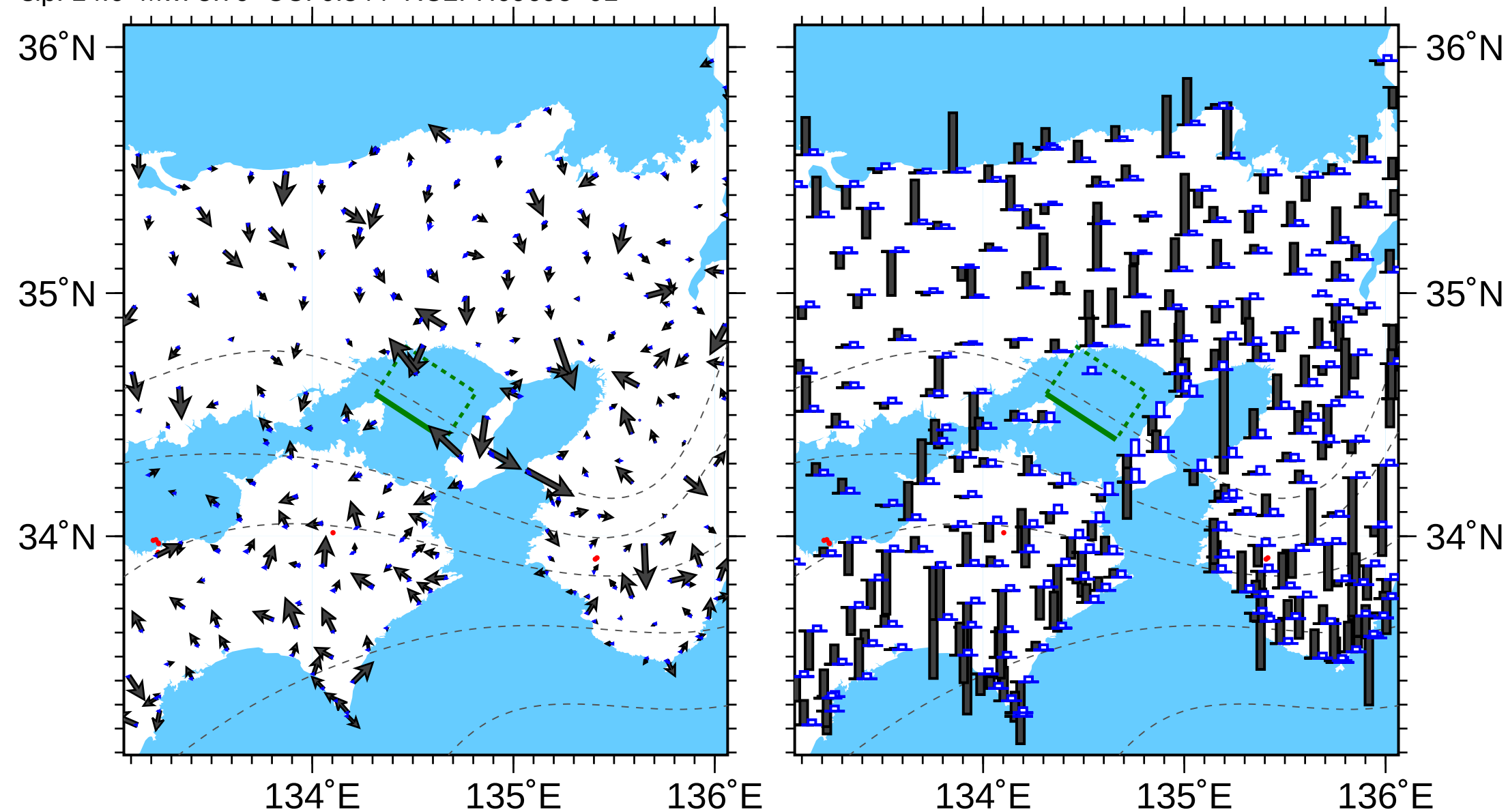


- 10
- 100
- 1000

Date: Sep-20-2016 class2 Duration: 17 days

len: 38.050 wid: 27.335 str: 303.209 dip: 20.402 rak: 143.435

slp: 14.6 Mw: 5.79 CC: 0.544 RC2: 7.0969e+01



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

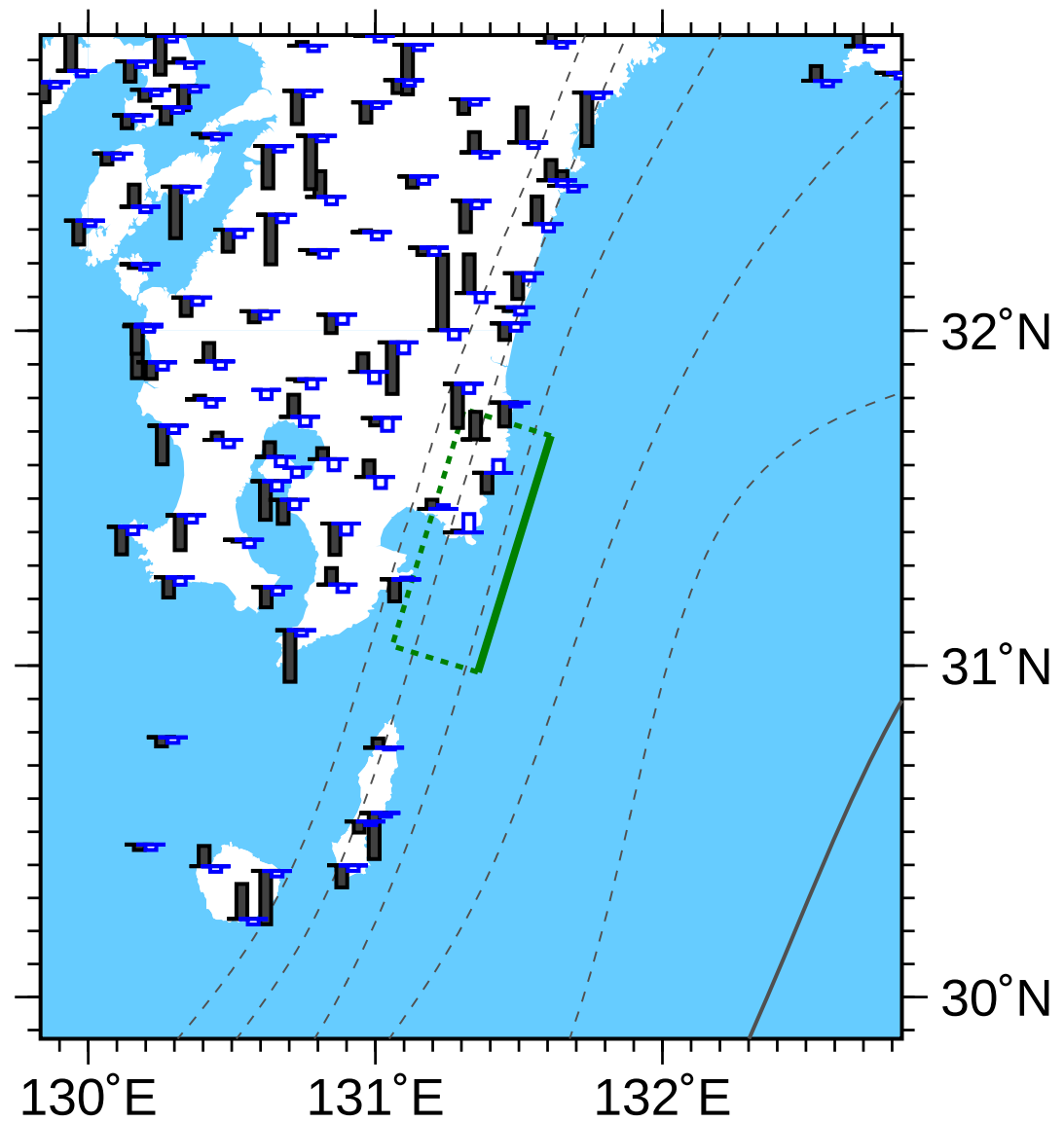
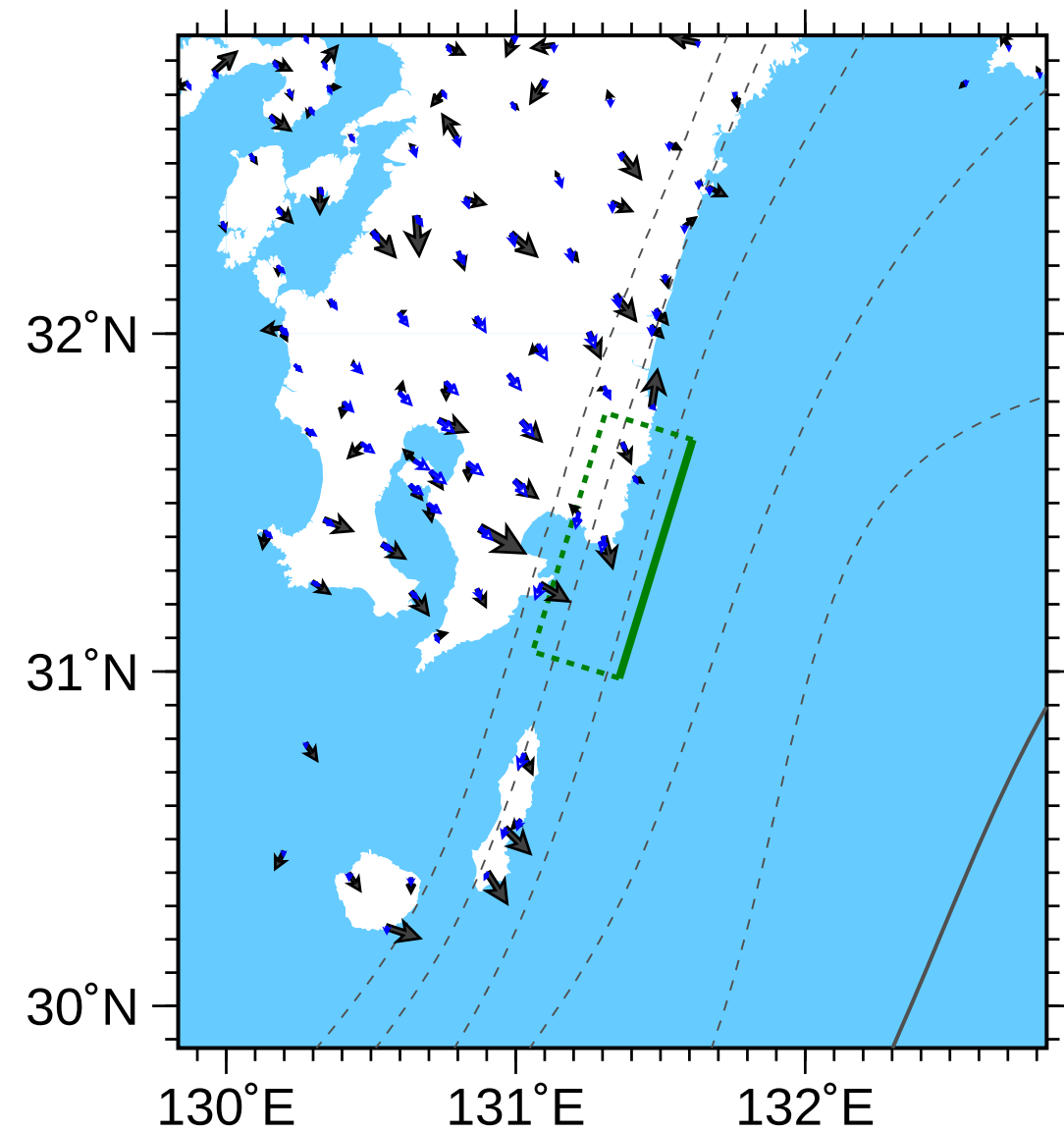
☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Dec-31-2016 class2 Duration: 10 days
len: 81.997 wid: 34.329 str: 197.016 dip: 29.592 rak: 61.442
slp: 8.2 Mw: 5.91 CC: 0.476 RC2: 7.7352e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

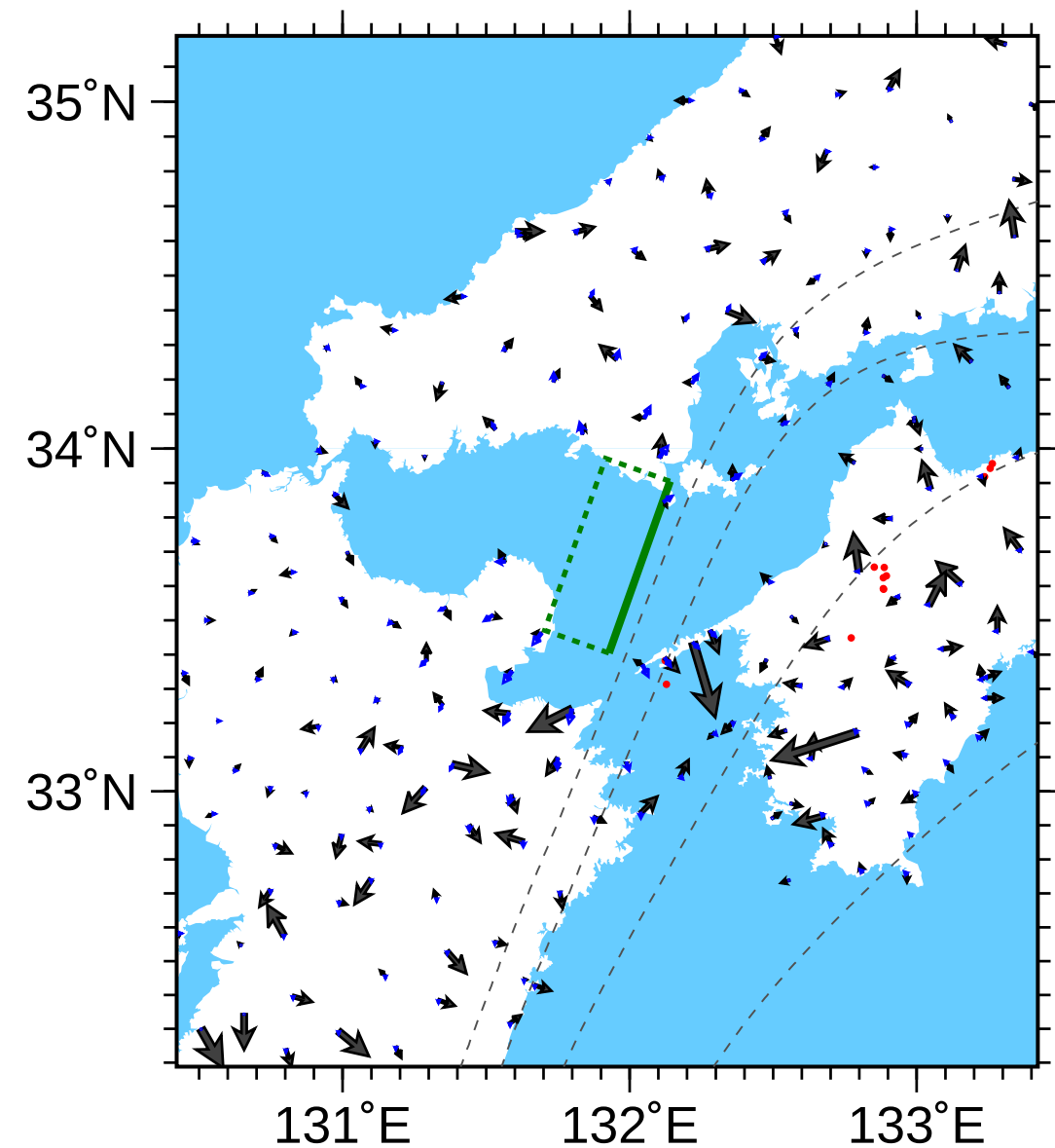


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

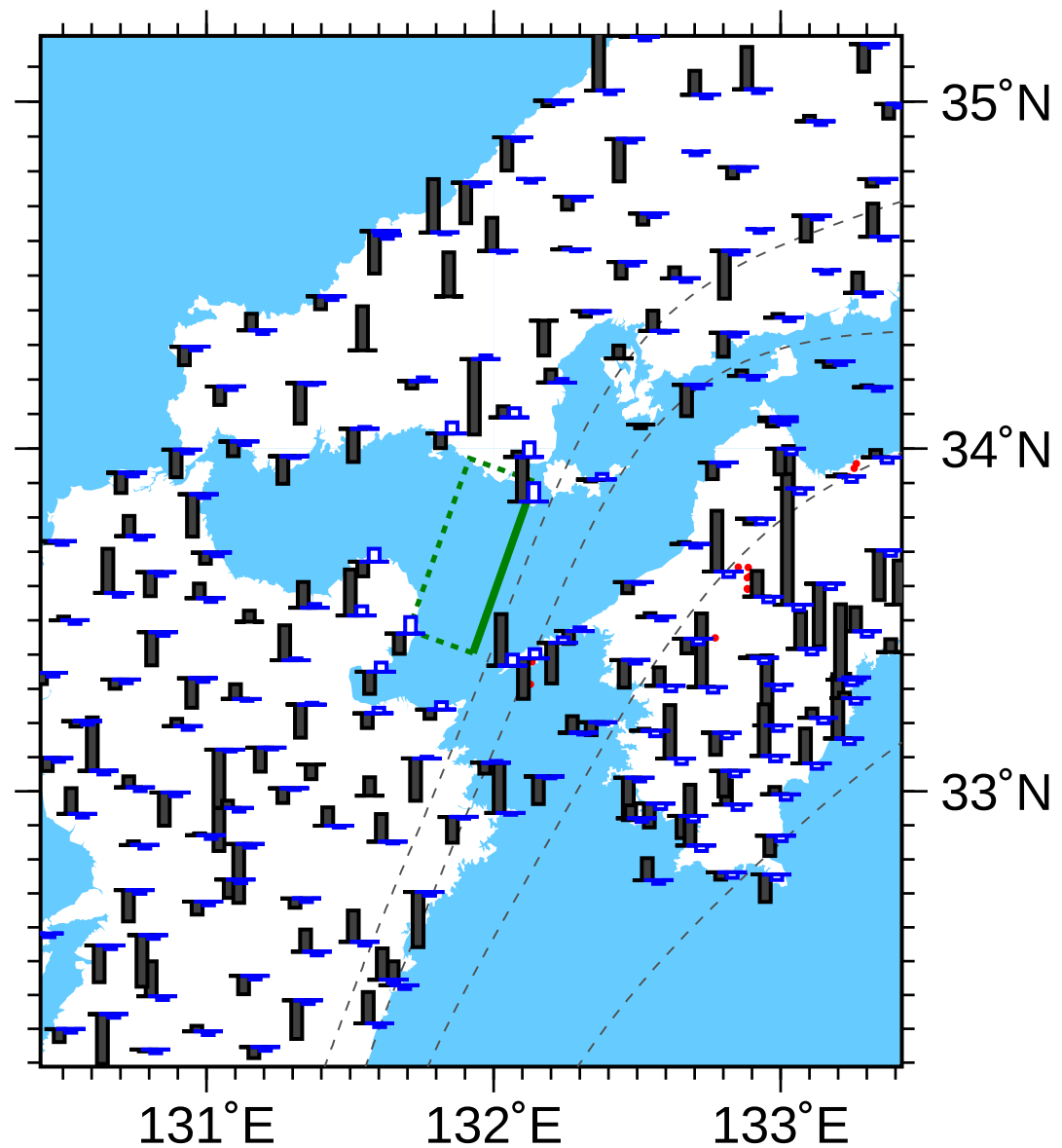


Date: Dec-31-2016 class2 Duration: 19 days
len: 58.852 wid: 33.554 str: 199.544 dip: 48.884 rak: 88.981
slp: 15.9 Mw: 6.00 CC: 0.442 RC2: 5.6127e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 

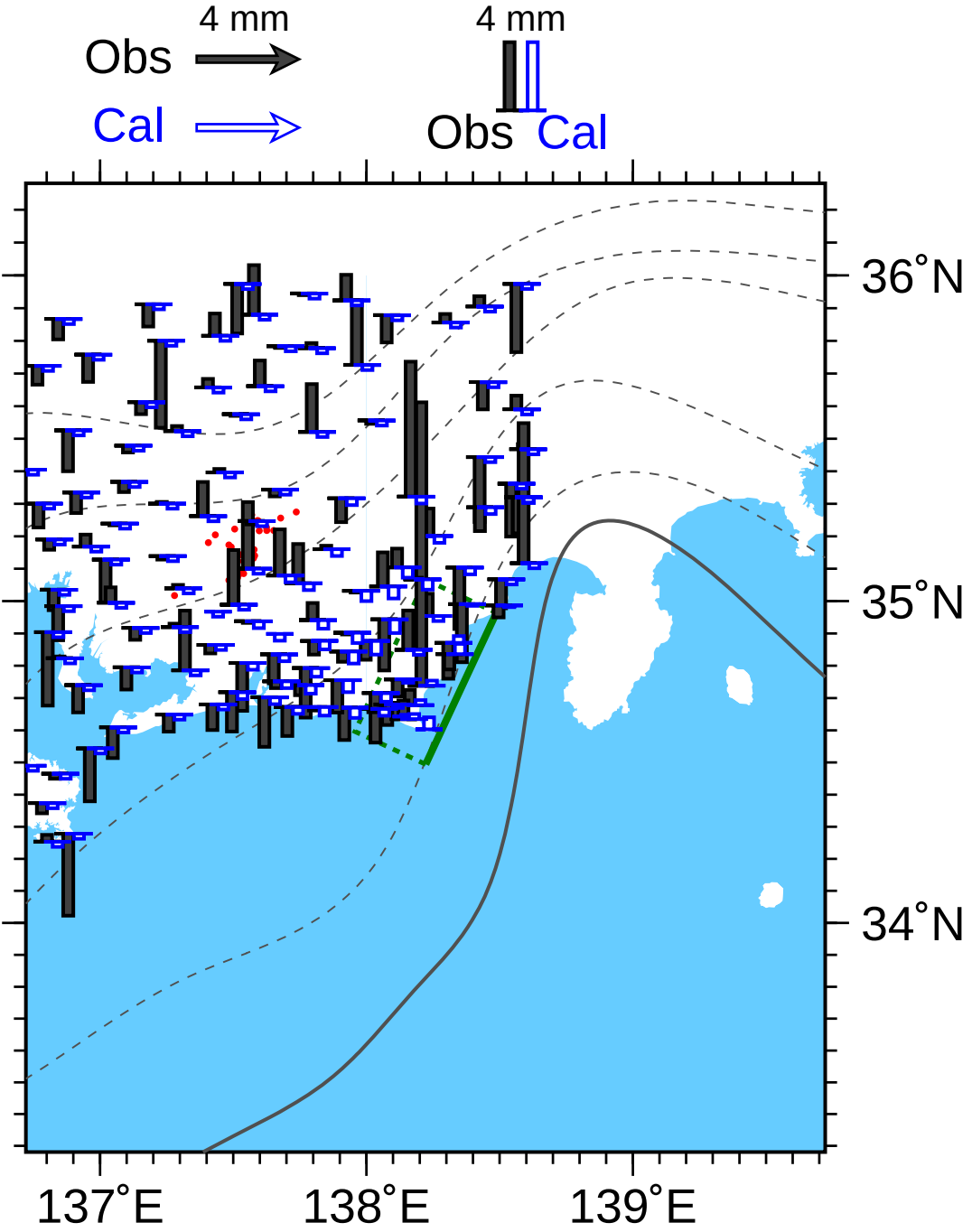
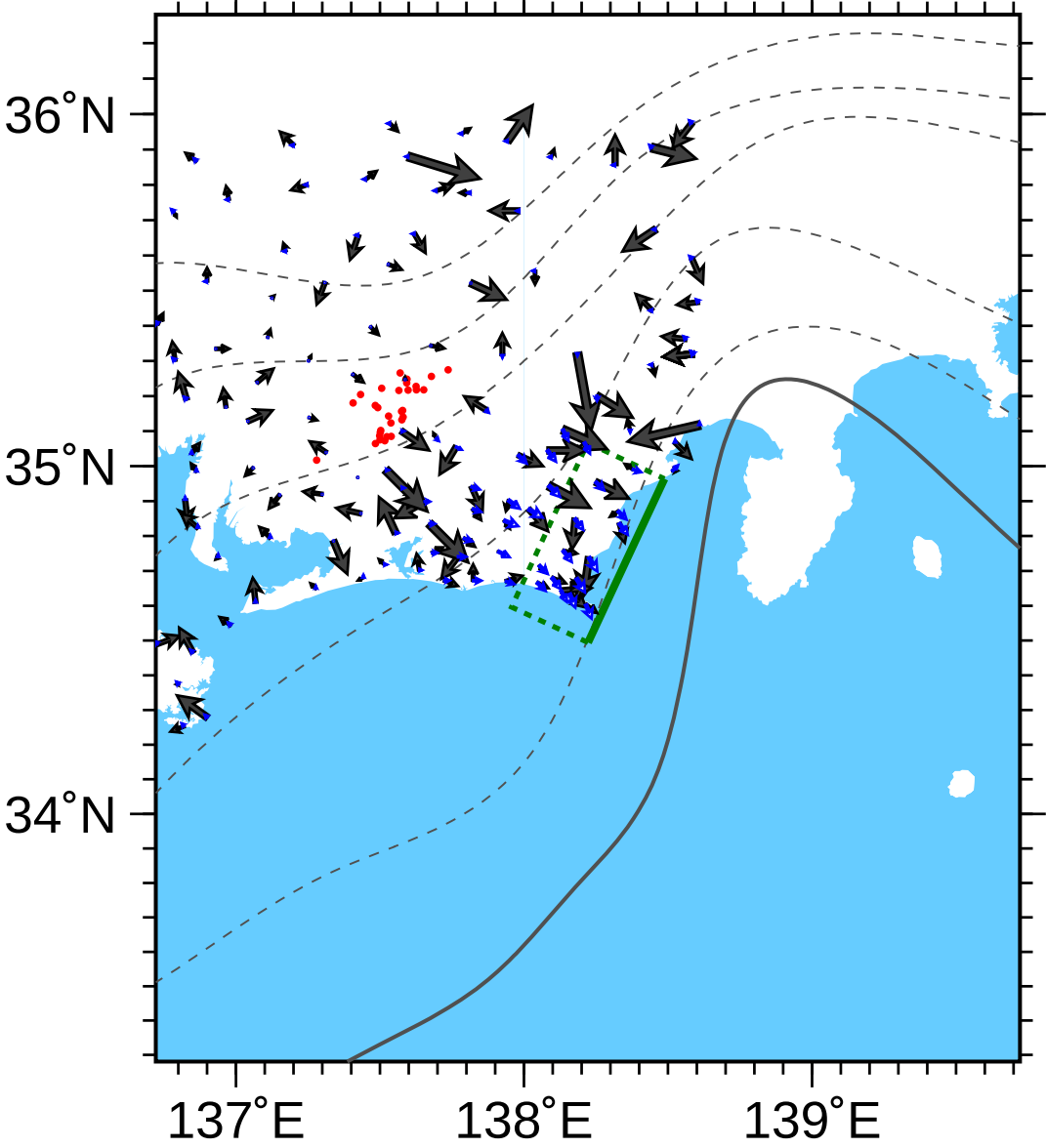


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Feb-3-2017 class2 Duration: 40 days
len: 57.493 wid: 27.983 str: 204.924 dip: 16.224 rak: 75.240
slp: 3.3 Mw: 5.48 CC: 0.405 RC2: 7.6992e+01

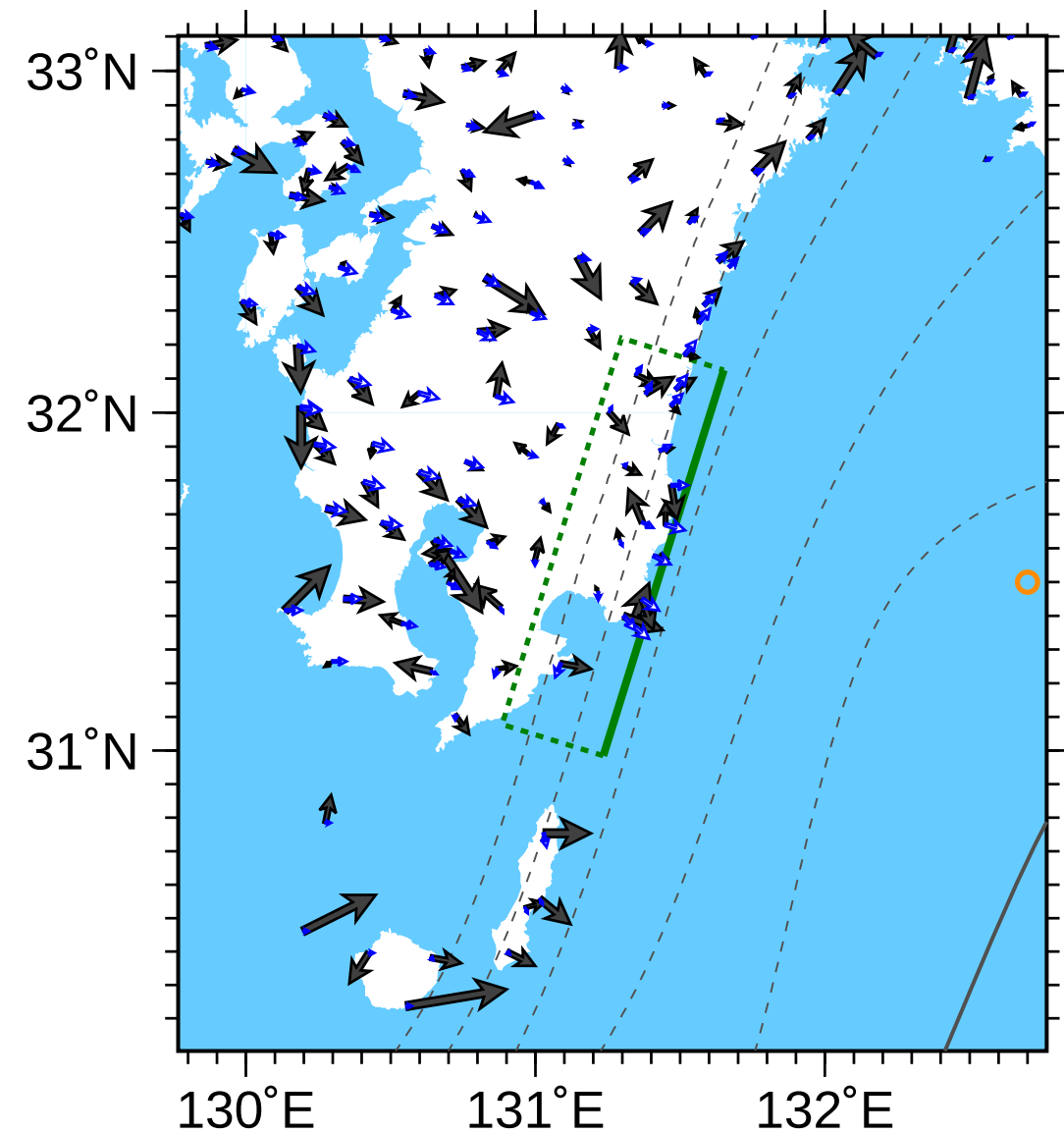


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

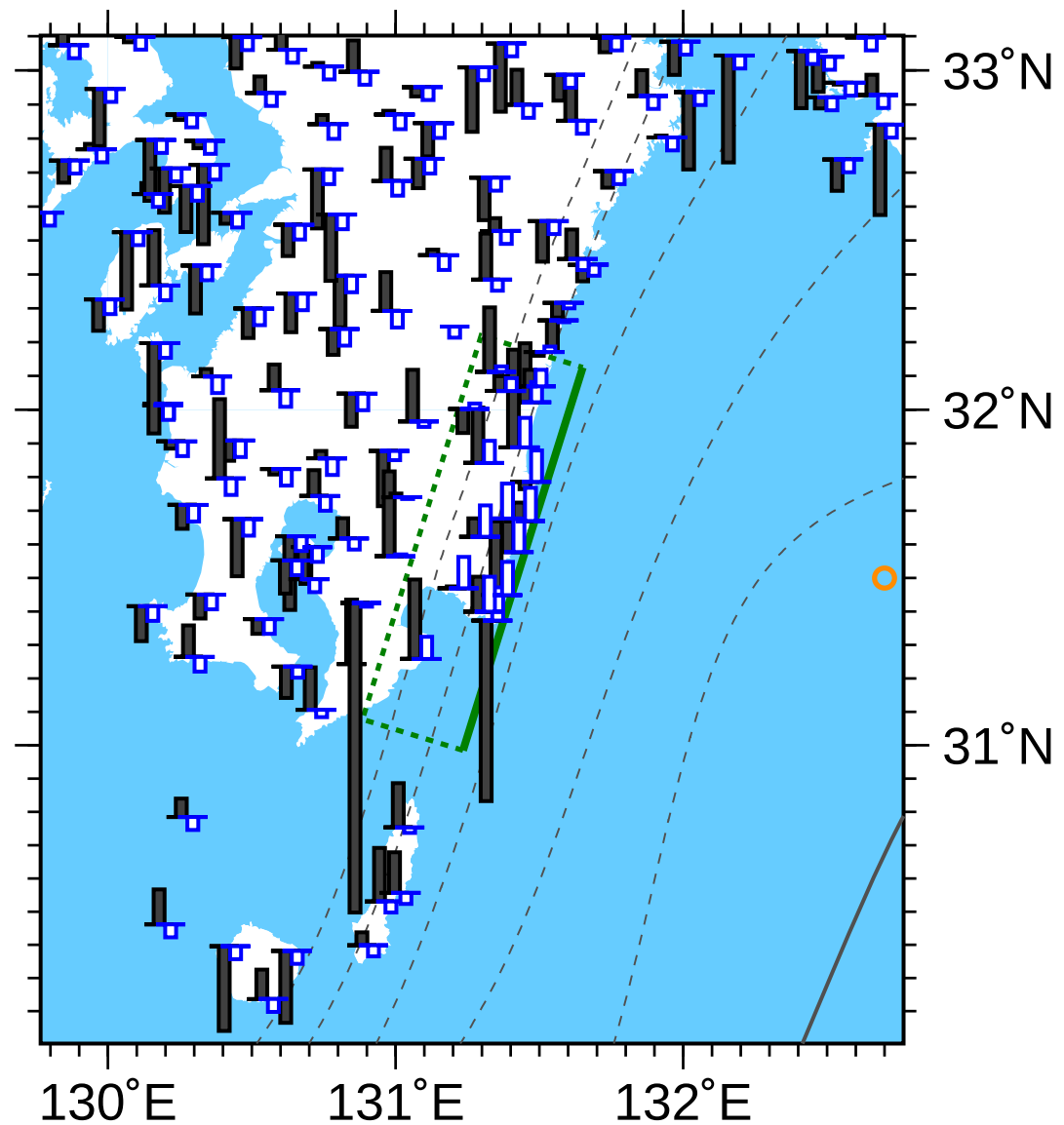
- 10
- 100
- 1000

Date: Jun-11-2017 class2 Duration: 29 days
len: 132.459 wid: 44.115 str: 197.233 dip: 37.665 rak: 77.193
slp: 8.9 Mw: 6.14 CC: 0.447 RC2: 8.8754e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

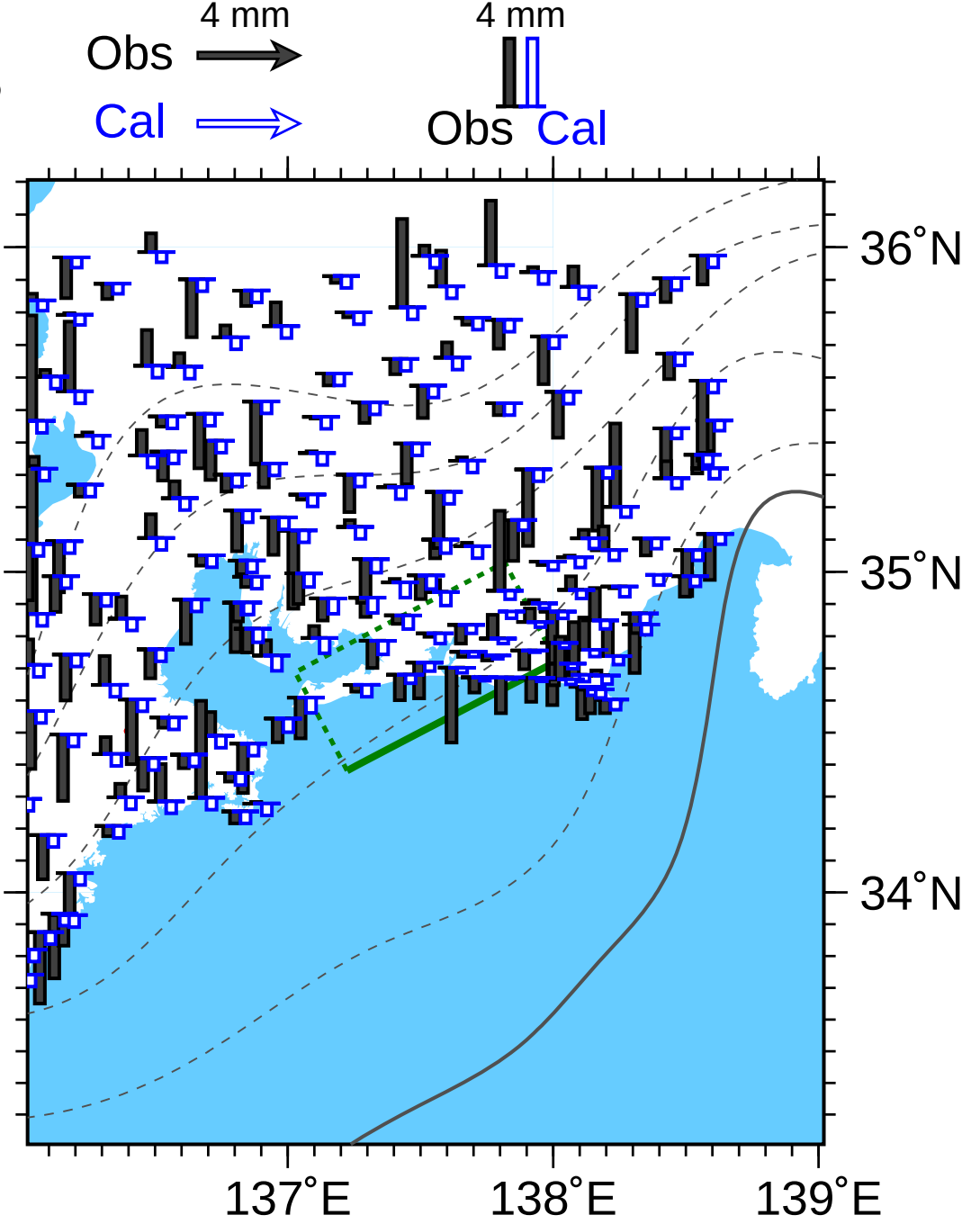
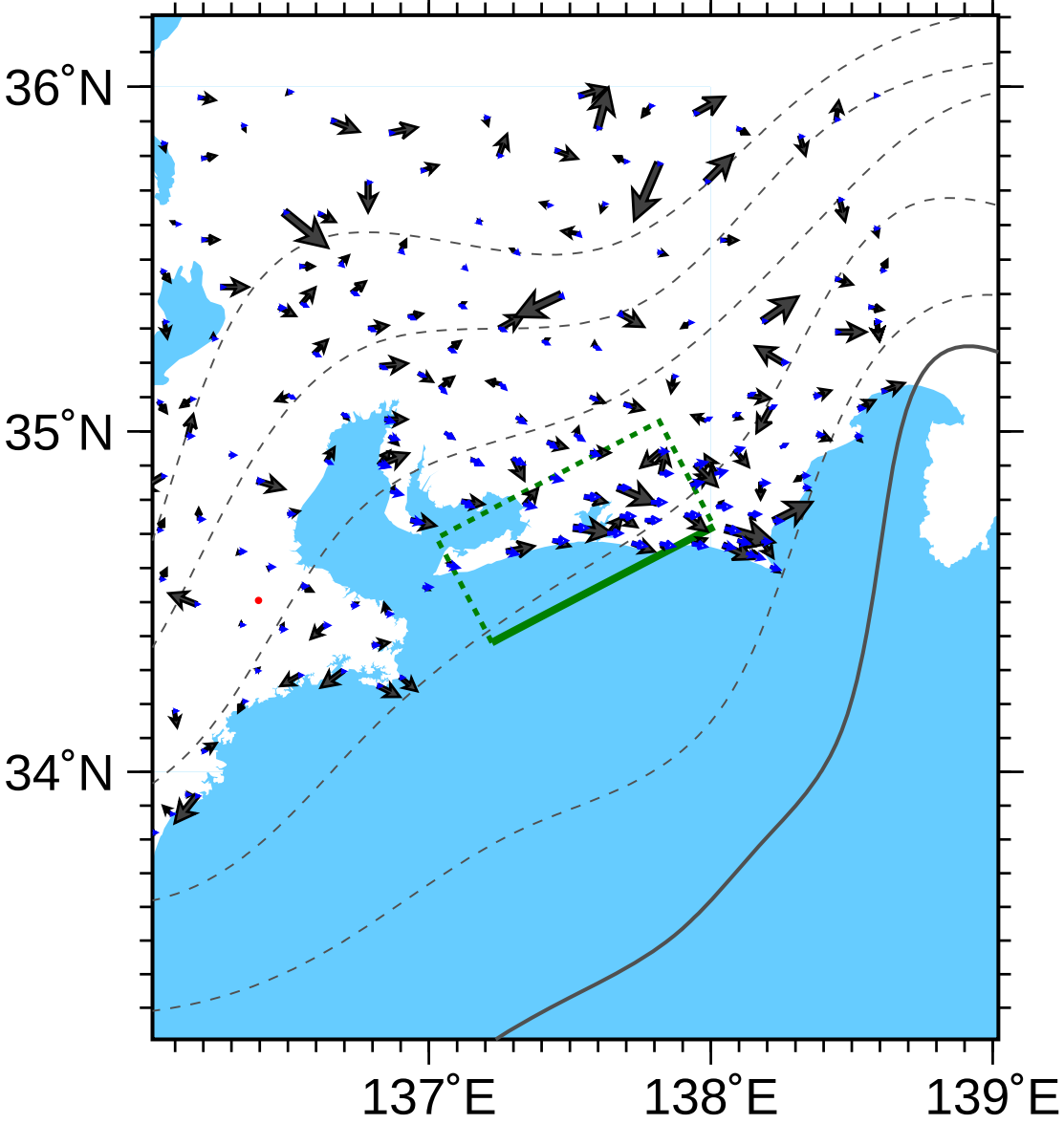


- 10
- 100
- 1000

Date: Jul-17-2017 class2 Duration: 3 days

len: 81.581 wid: 39.502 str: 242.362 dip: 13.118 rak: 127.945

slp: 2 Mw: 5.54 CC: 0.496 RC2: 5.8510e+01



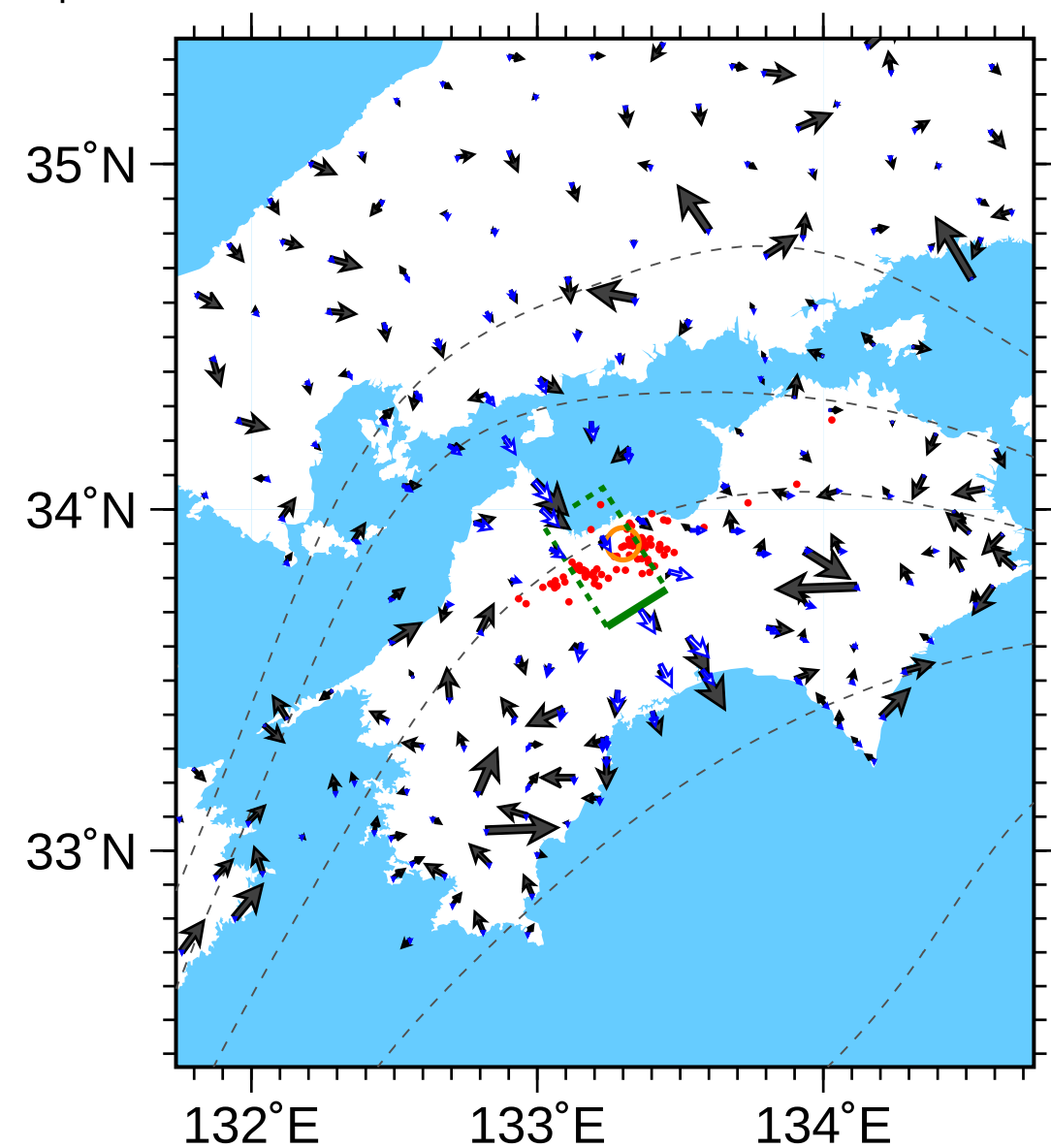
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

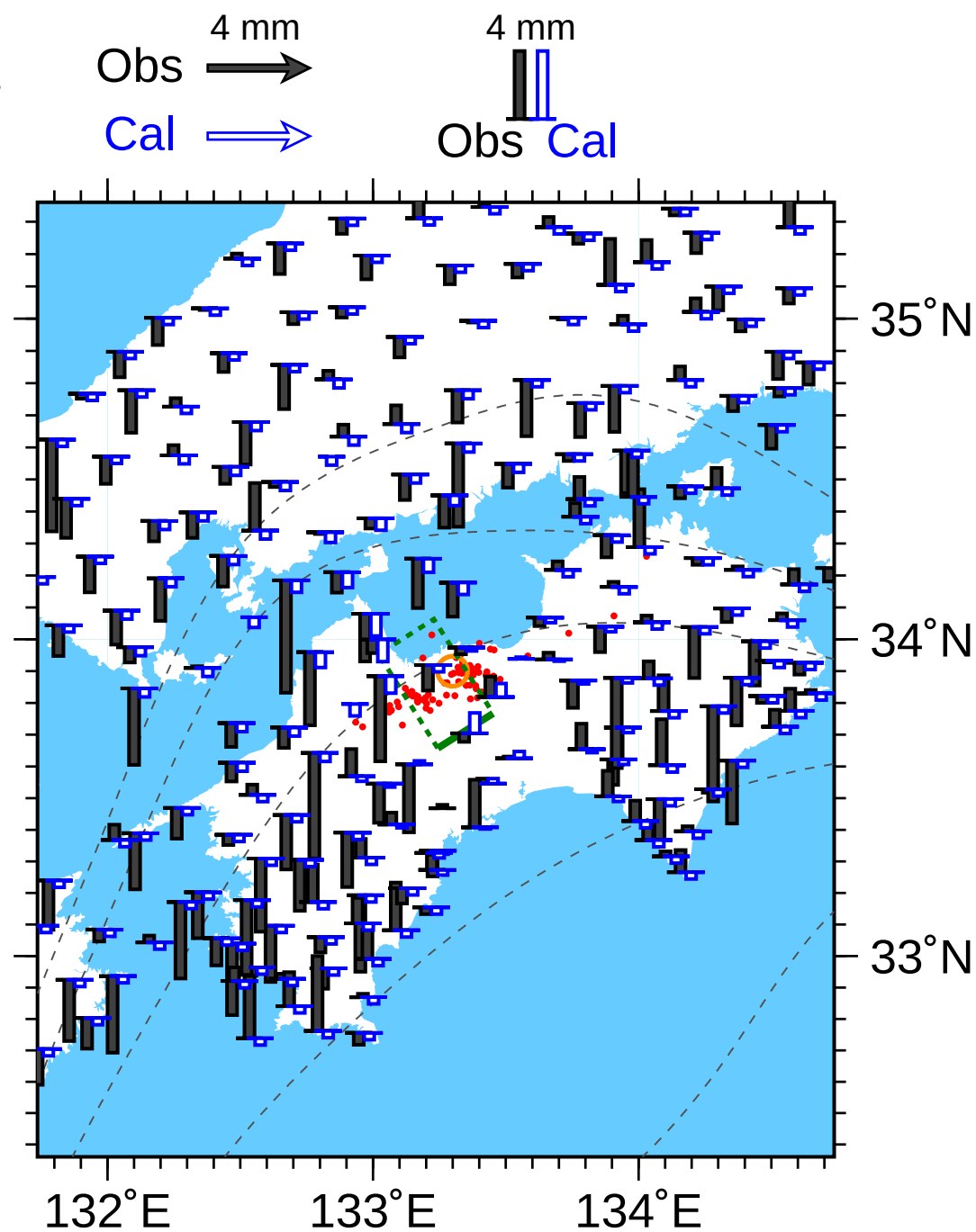
Date: Sep-13-2017 class2 Duration: 15 days

len: 22.782 wid: 39.166 str: 237.825 dip: 7.991 rak: 100.257

slp: 13.9 Mw: 5.73 CC: 0.632 RC2: 9.5286e+01



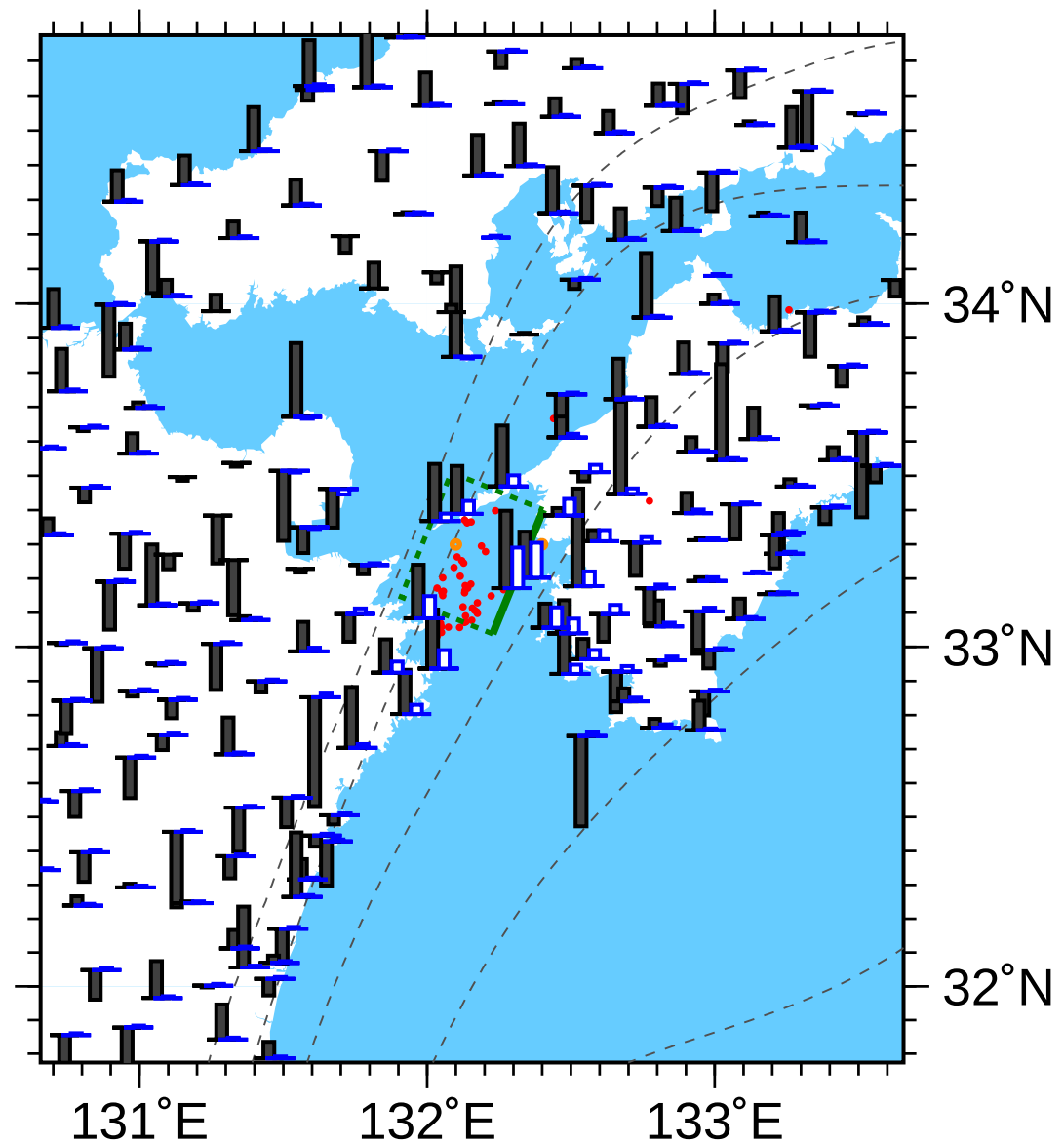
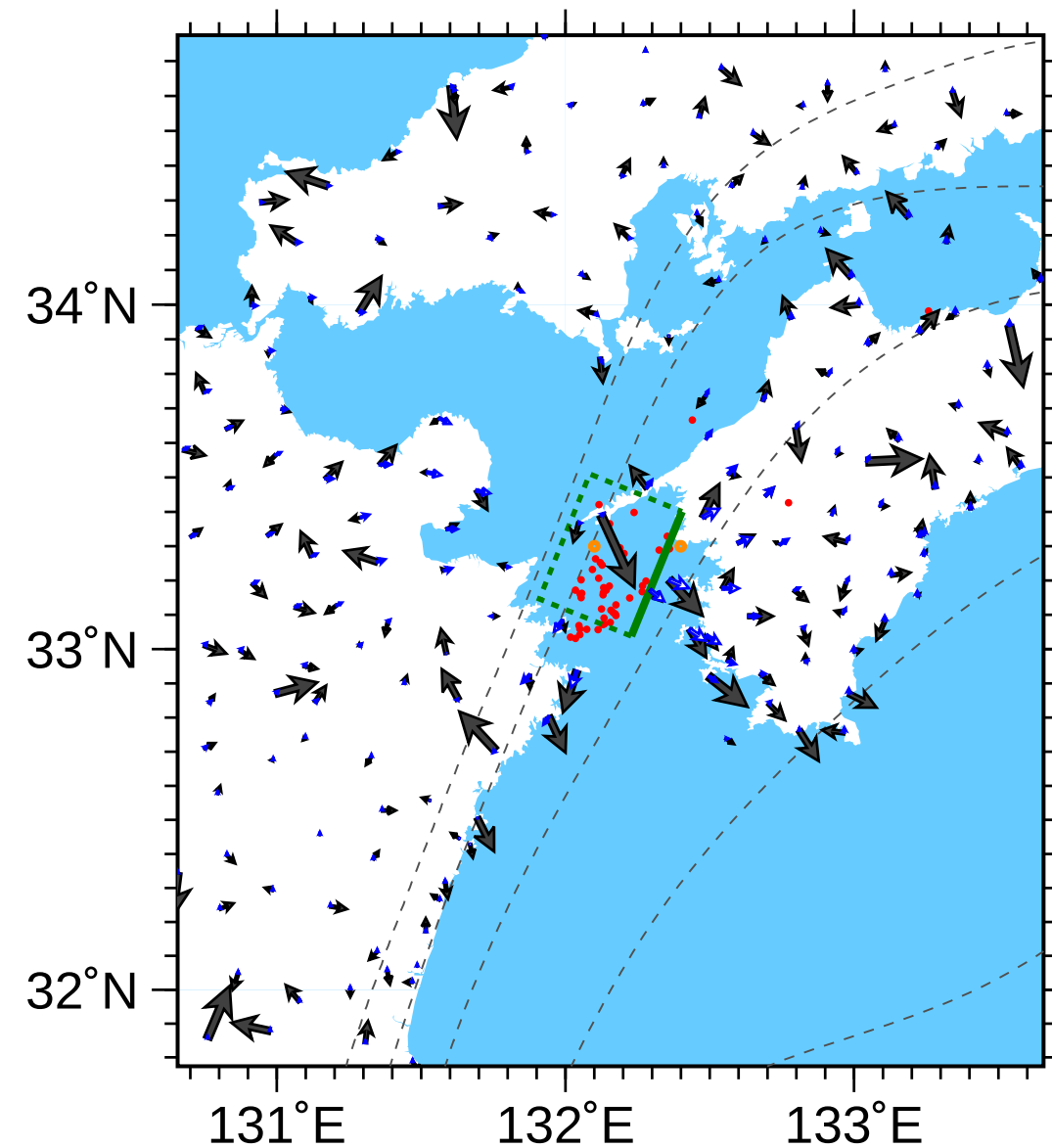
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Oct-22-2017 class2 Duration: 22 days
len: 43.463 wid: 35.707 str: 202.043 dip: 25.999 rak: 64.817
slp: 11.9 Mw: 5.85 CC: 0.556 RC2: 7.3580e+01

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



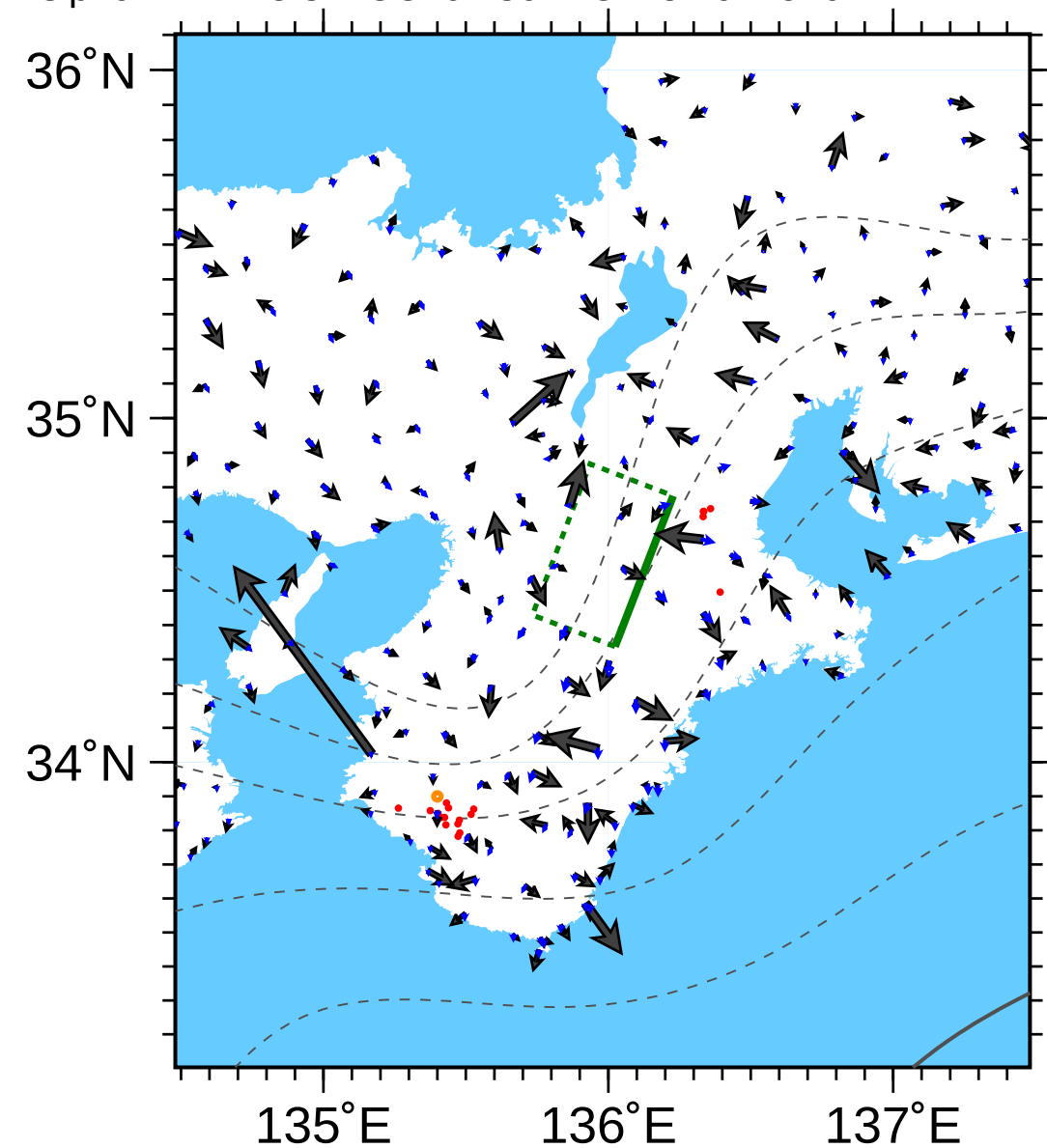
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



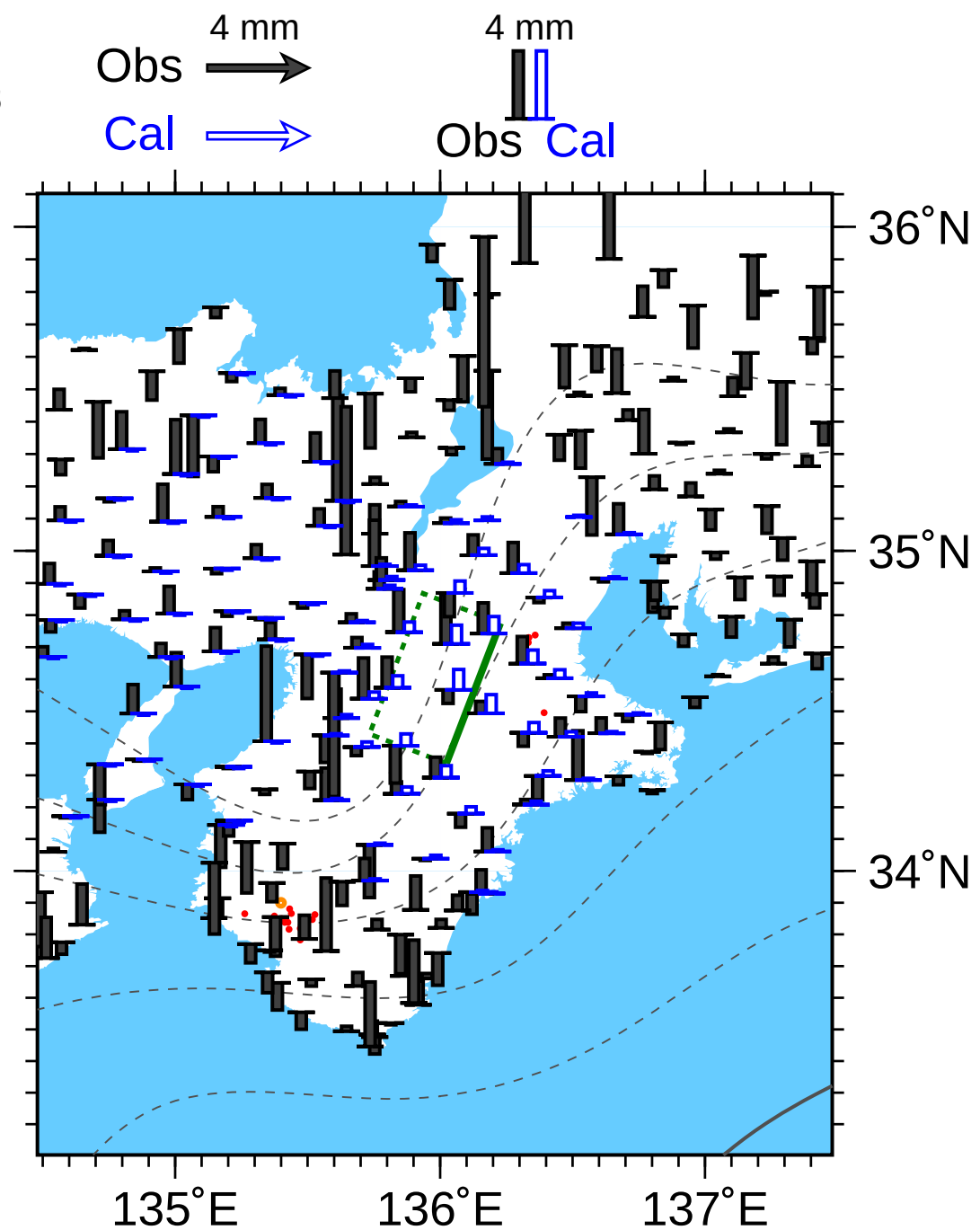
Date: Jan-14-2018 class2 Duration: 21 days

len: 52.062 wid: 34.292 str: 201.010 dip: 33.592 rak: 95.048

slp: 9.1 Mw: 5.81 CC: 0.486 RC2: 5.1012e+01



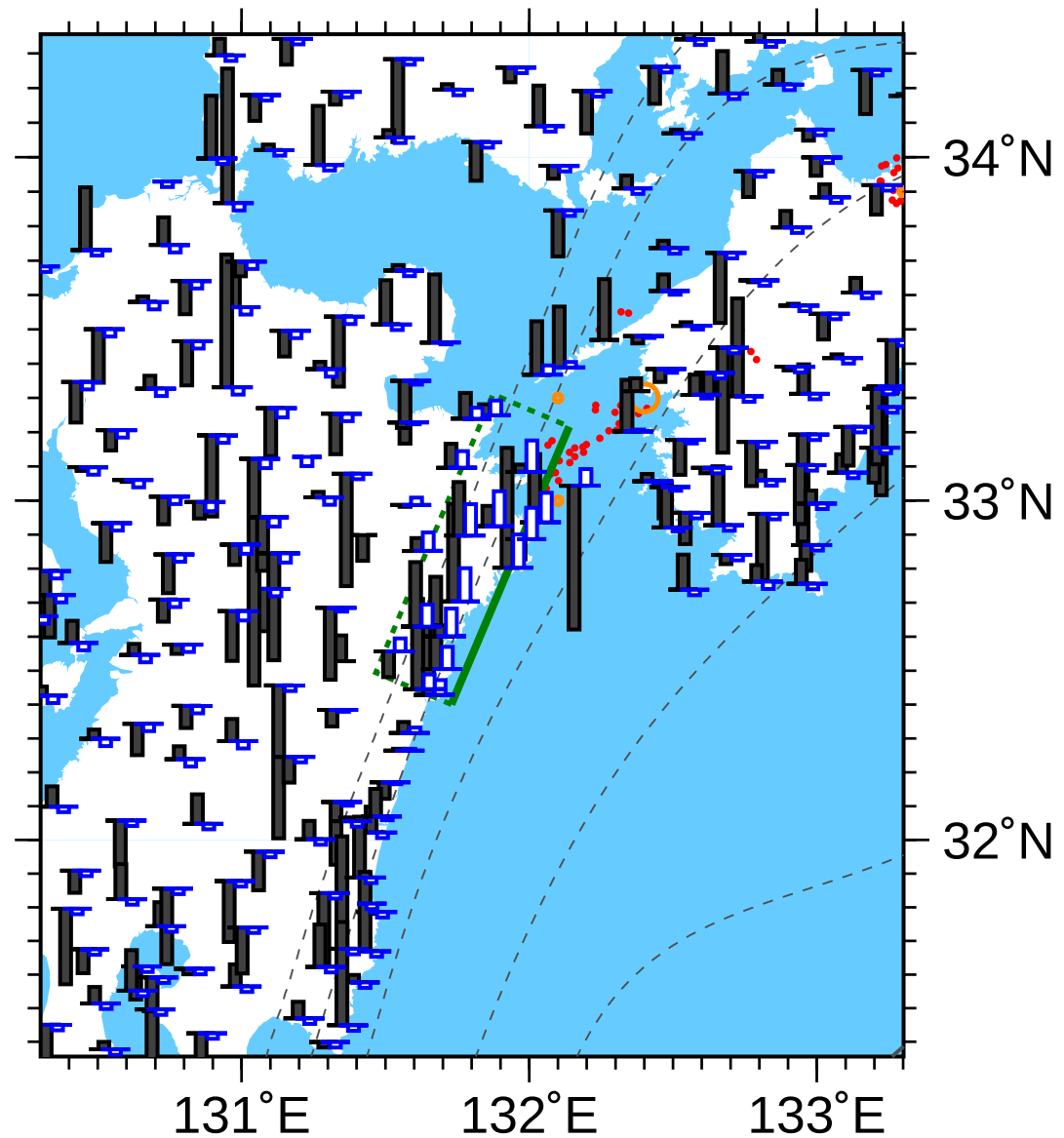
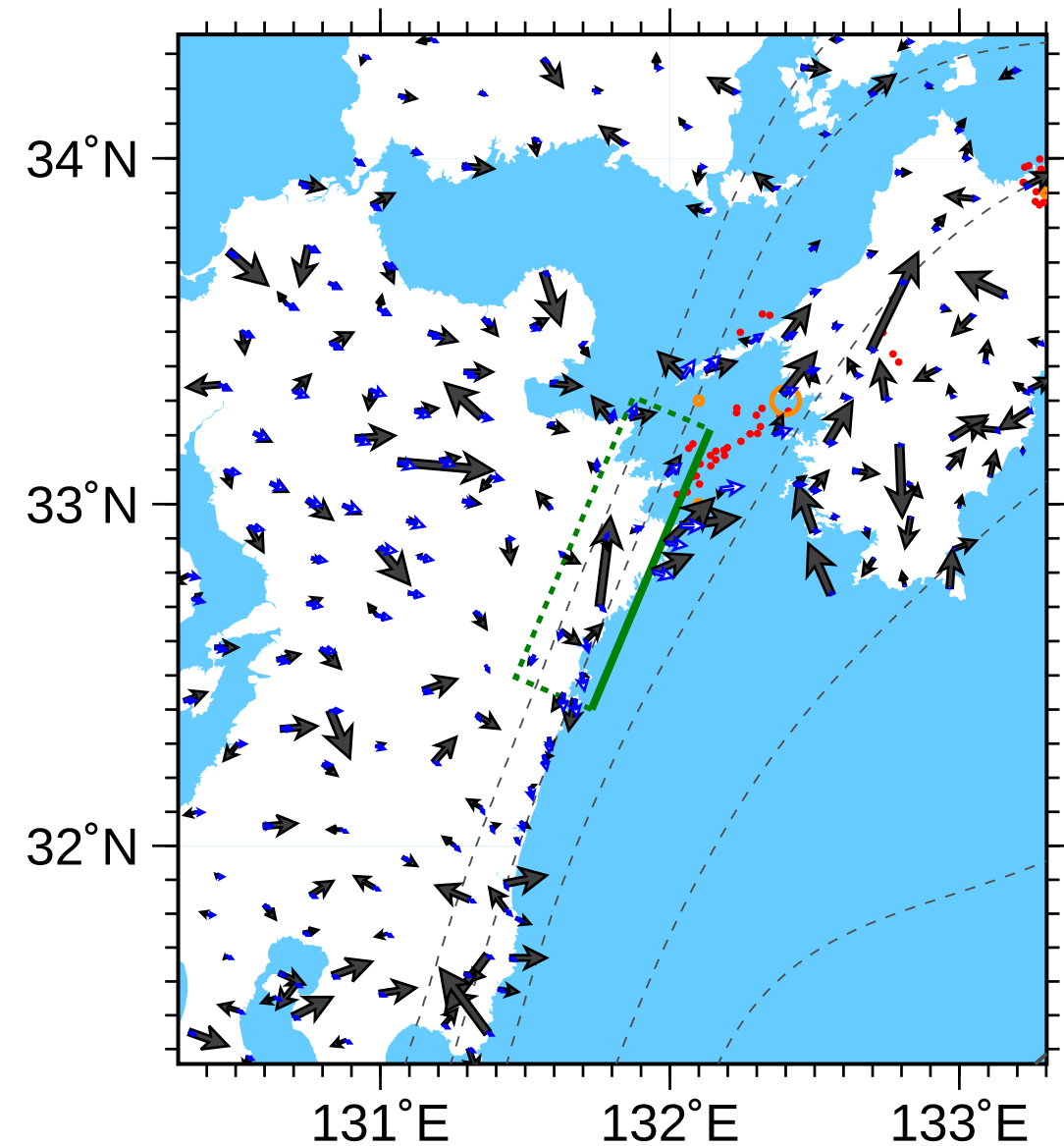
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Jun-10-2018 class2 Duration: 26 days
len: 98.250 wid: 34.504 str: 202.850 dip: 38.977 rak: 97.427
slp: 10.1 Mw: 6.03 CC: 0.518 RC2: 8.4733e+01

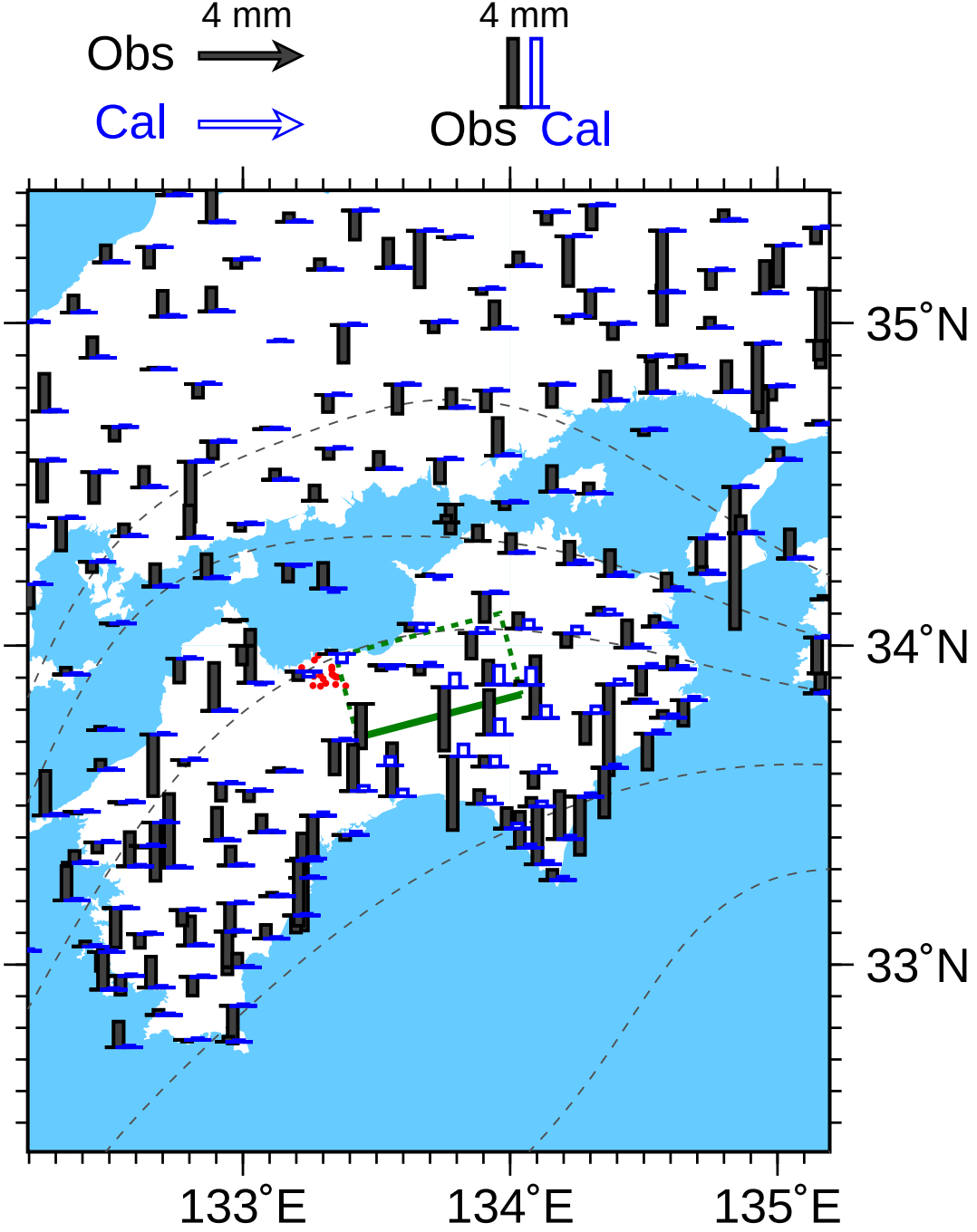
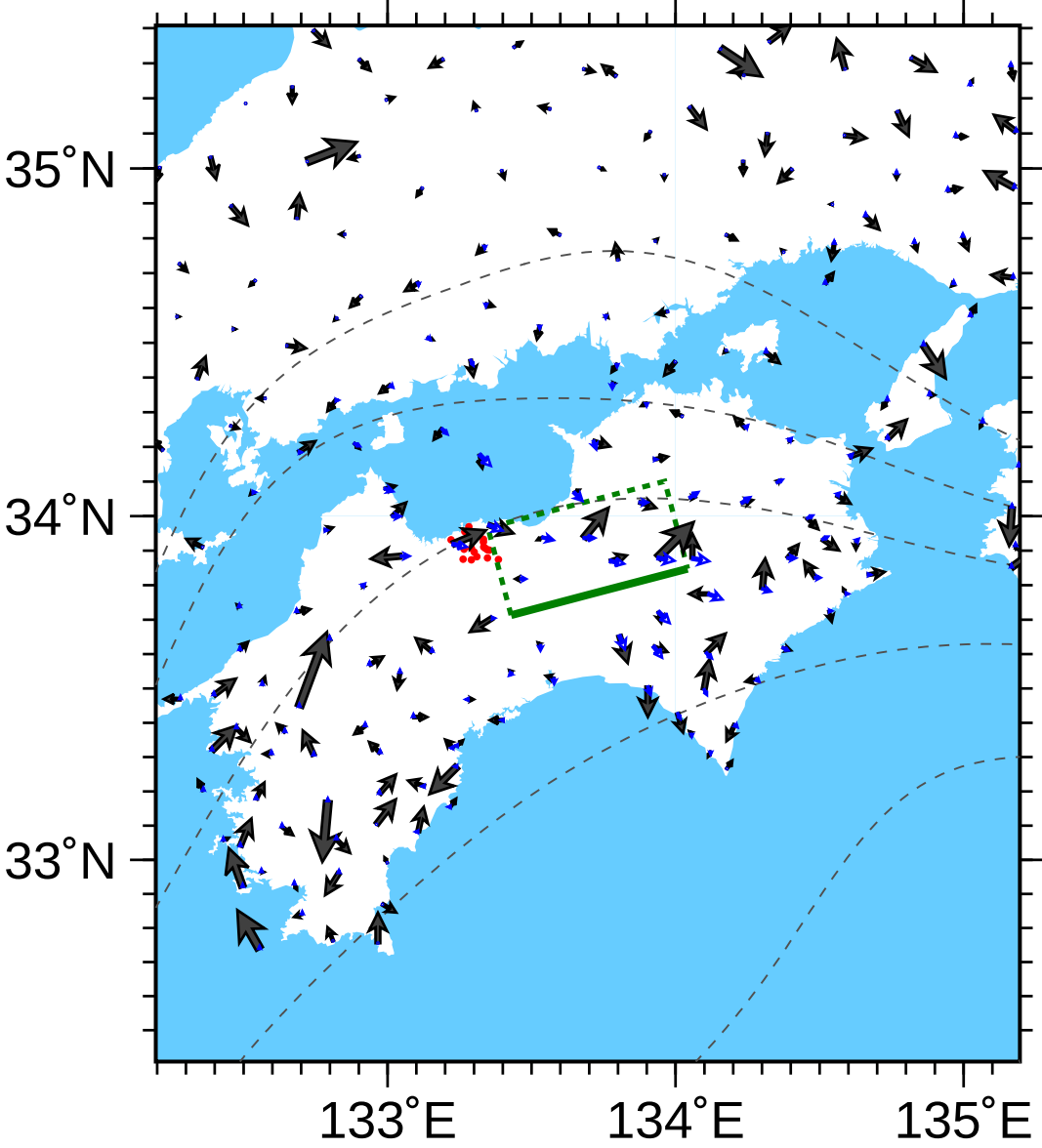
4 mm
Obs 
Cal 
4 mm
Obs  Cal 



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

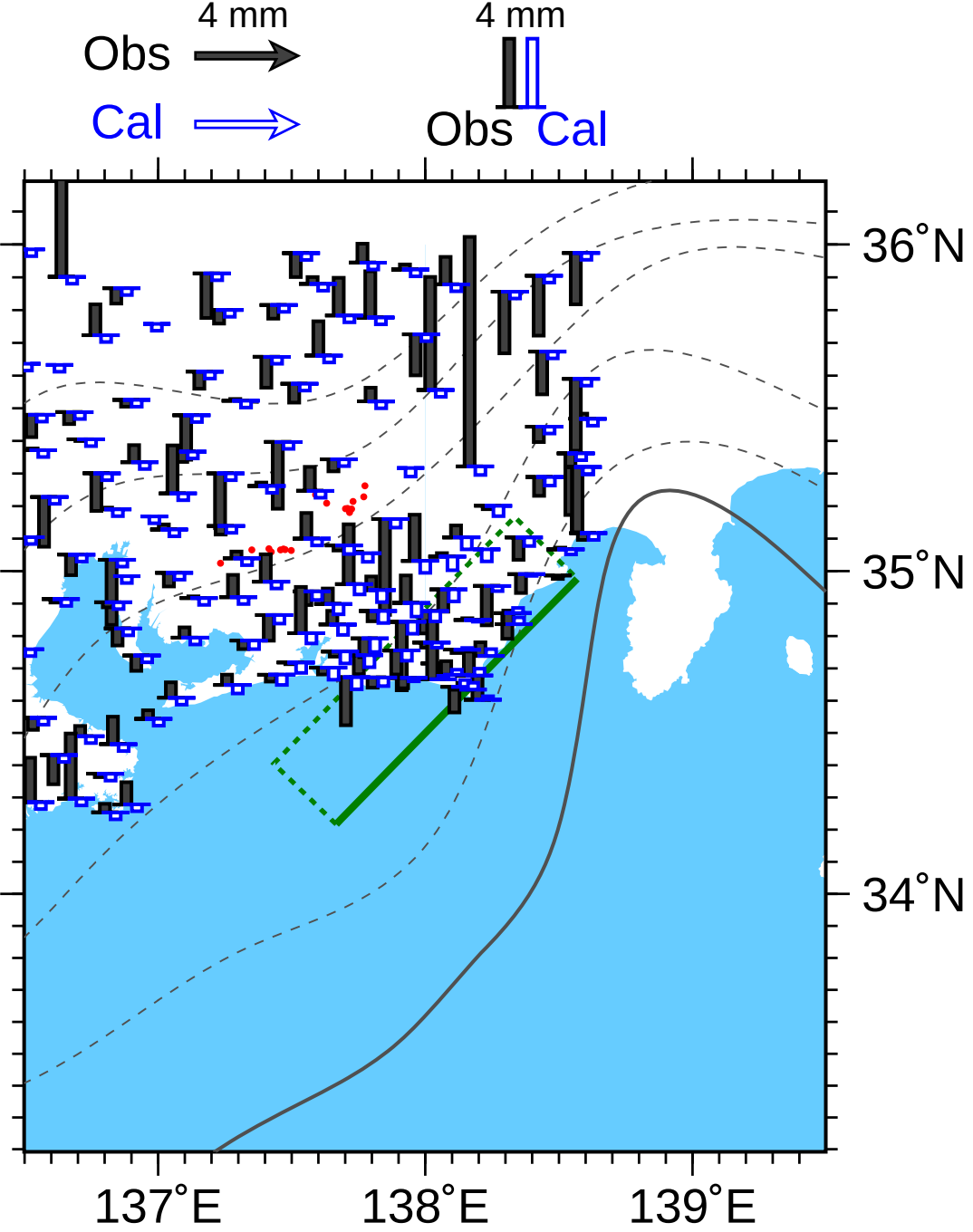
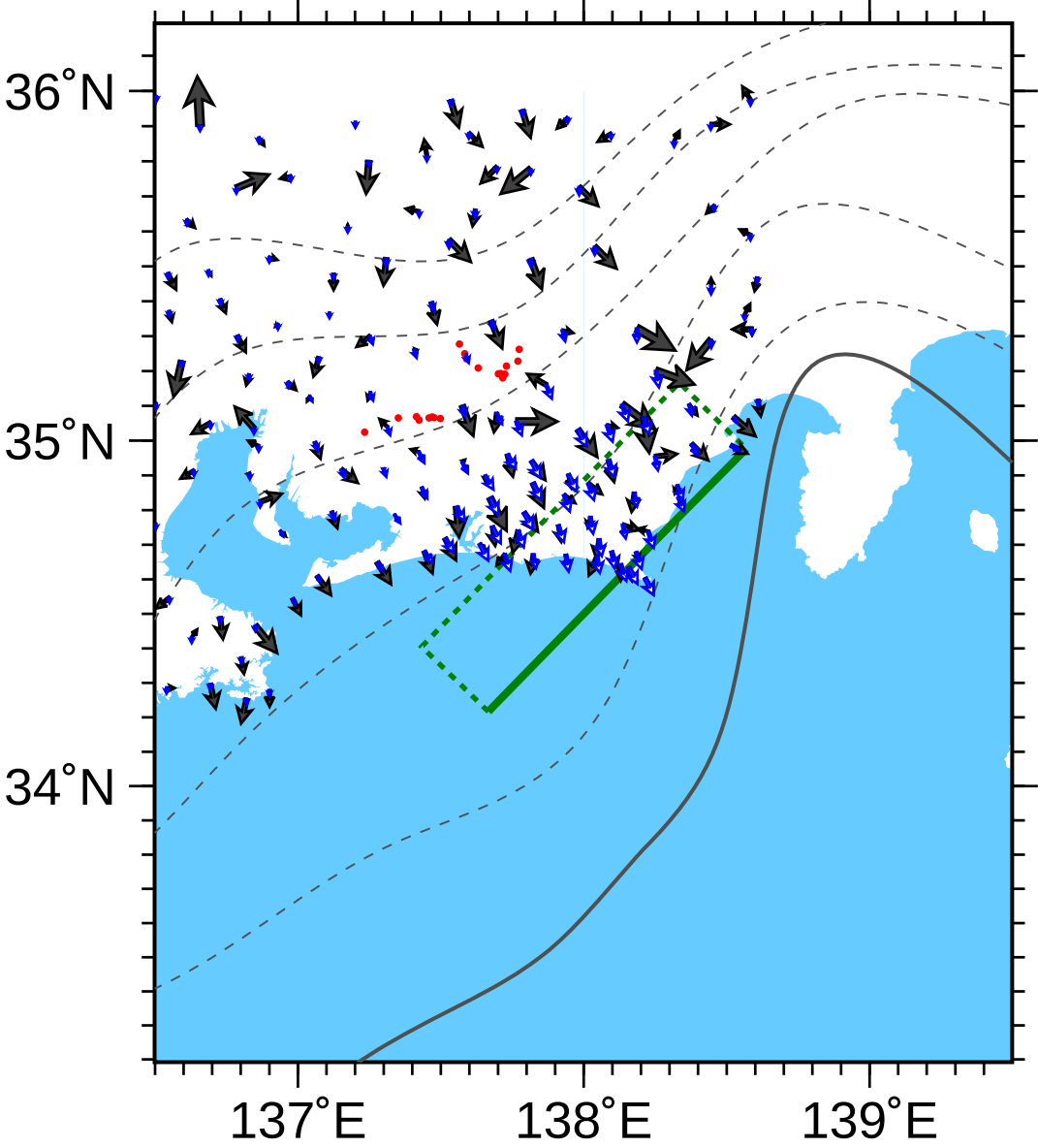
Date: Jun-14-2018 class2 Duration: 1 days
len: 58.667 wid: 29.288 str: 255.244 dip: 7.811 rak: 129.736
slp: 5.9 Mw: 5.67 CC: 0.508 RC2: 5.7471e+01



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Oct-12-2018 class2 Duration: 6 days
len: 118.114 wid: 30.909 str: 224.397 dip: 14.228 rak: 80.569
slp: 2.4 Mw: 5.63 CC: 0.425 RC2: 1.0357e+02

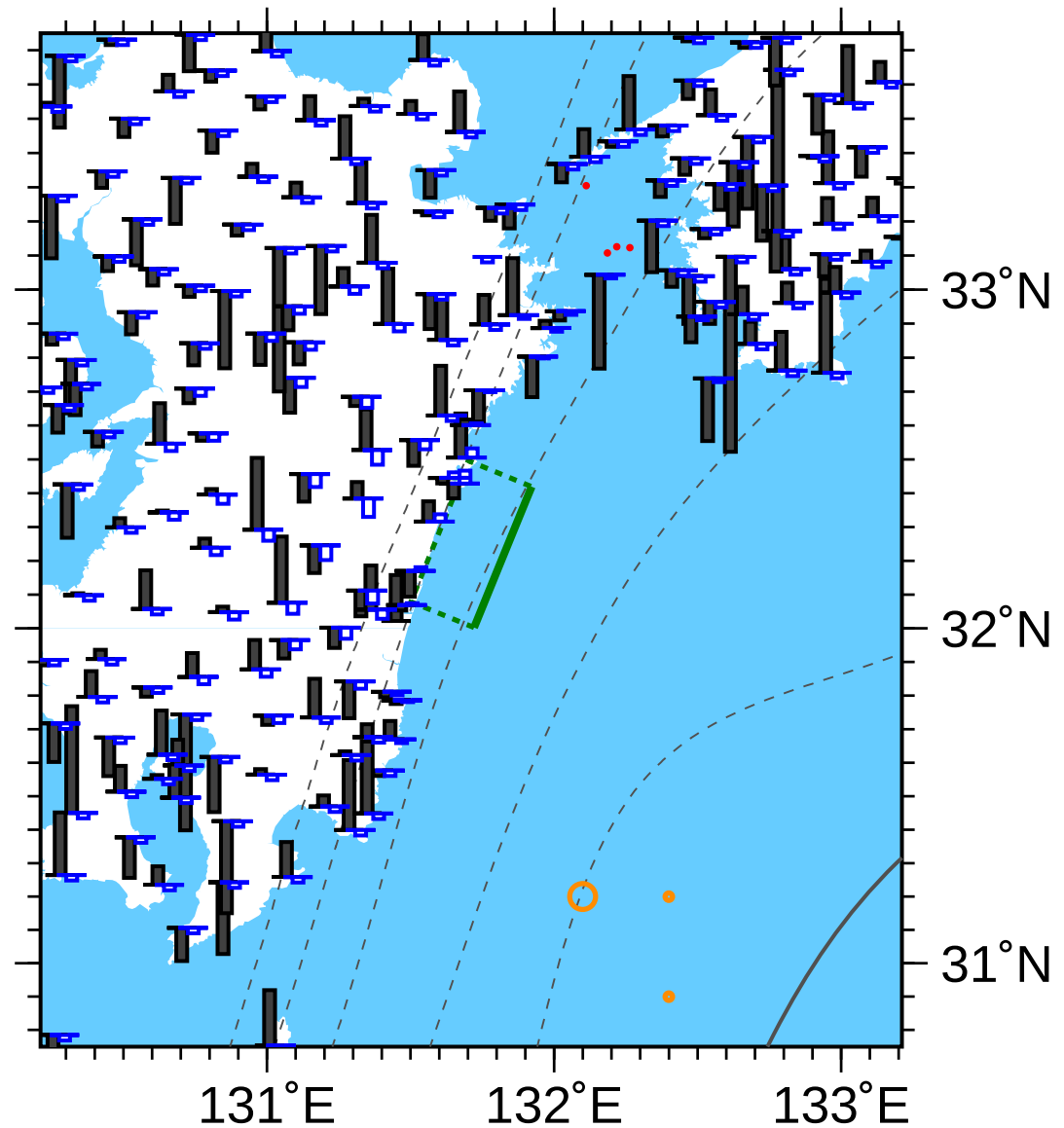
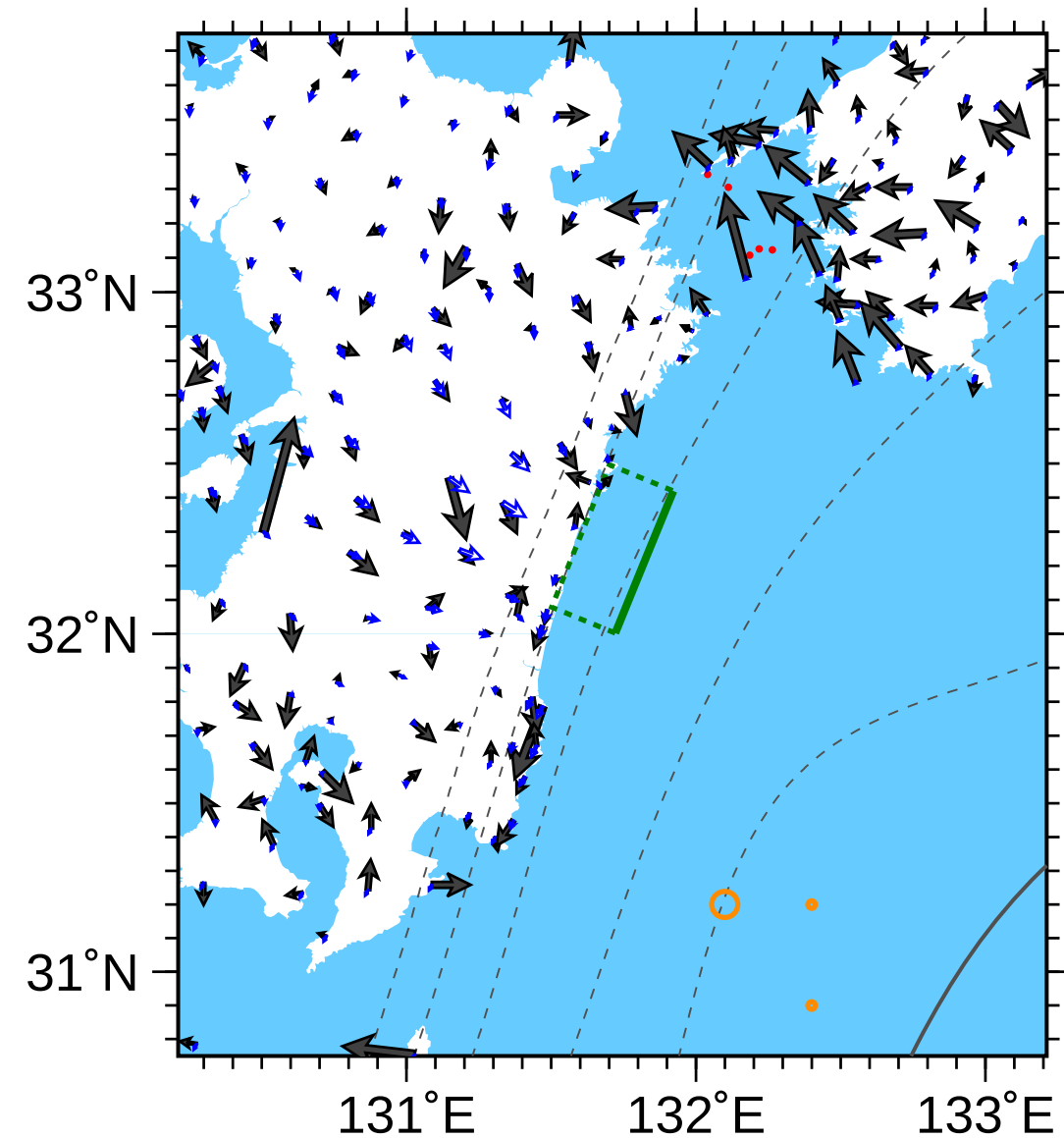


- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



Date: Nov-19-2018 class2 Duration: 18 days
len: 49.974 wid: 24.912 str: 202.170 dip: 25.832 rak: 96.811
slp: 21.3 Mw: 5.95 CC: 0.568 RC2: 1.2233e+02

4 mm
Obs 
Cal 
4 mm
Obs  Cal 



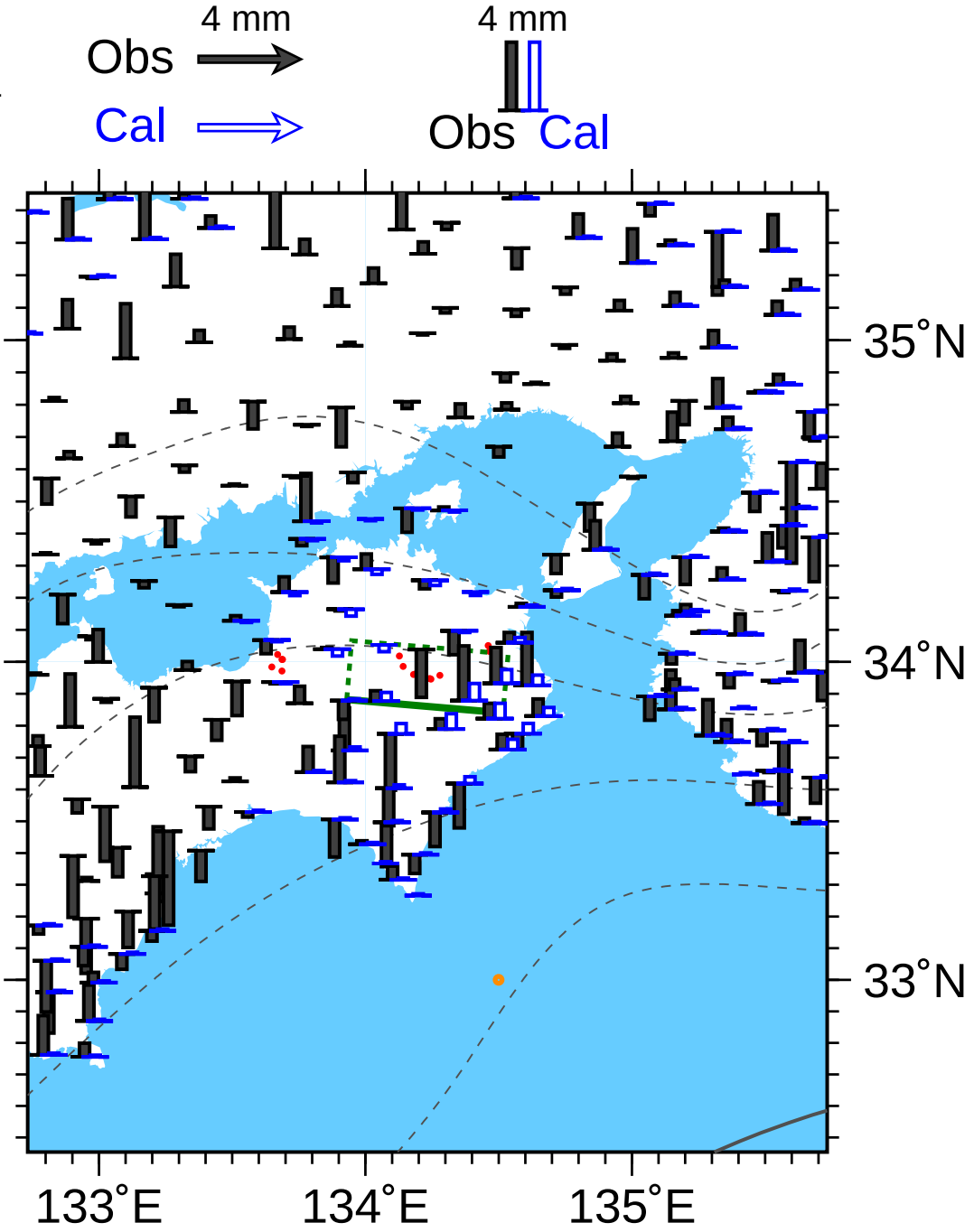
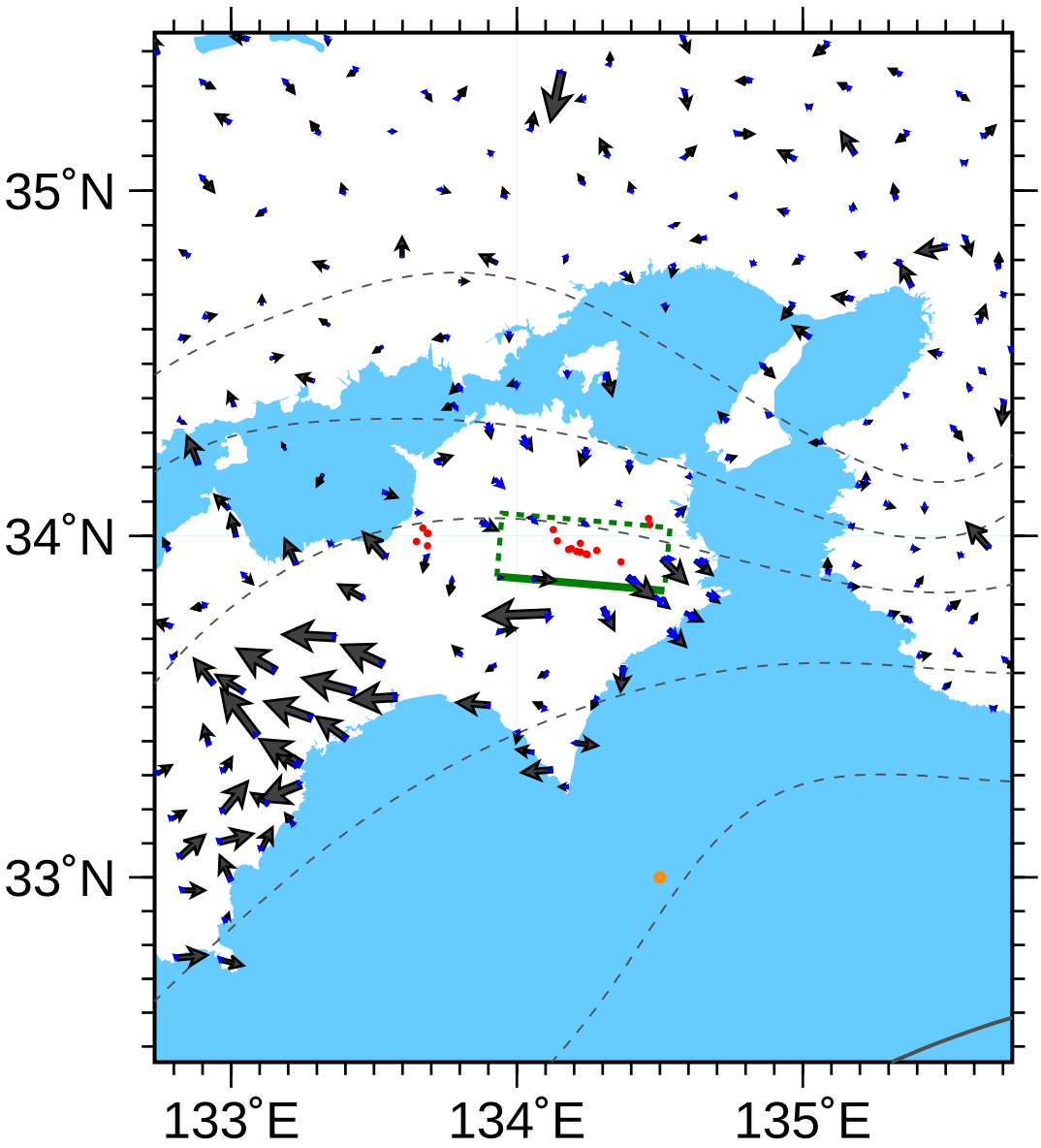
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

○ ○ ○
10 100 1000

Date: Jan-30-2019 class2 Duration: 3 days

len: 54.439 wid: 21.068 str: 274.856 dip: 13.492 rak: 134.294

slp: 7 Mw: 5.60 CC: 0.628 RC2: 1.0852e+02



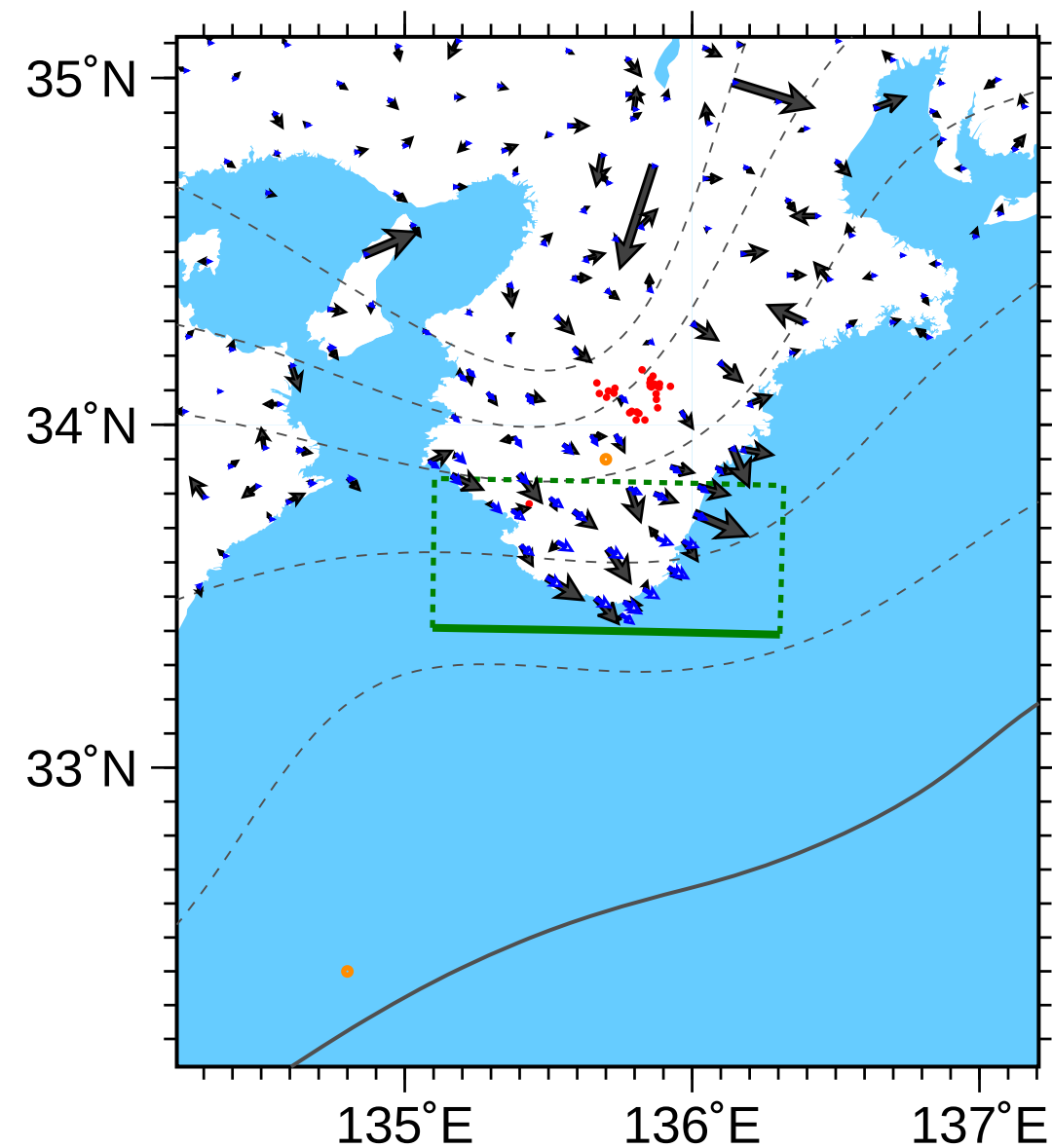
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

- 10
- 100
- 1000

Date: Apr-4-2019 class2 Duration: 5 days

len: 112.531 wid: 50.865 str: 271.132 dip: 18.466 rak: 123.968

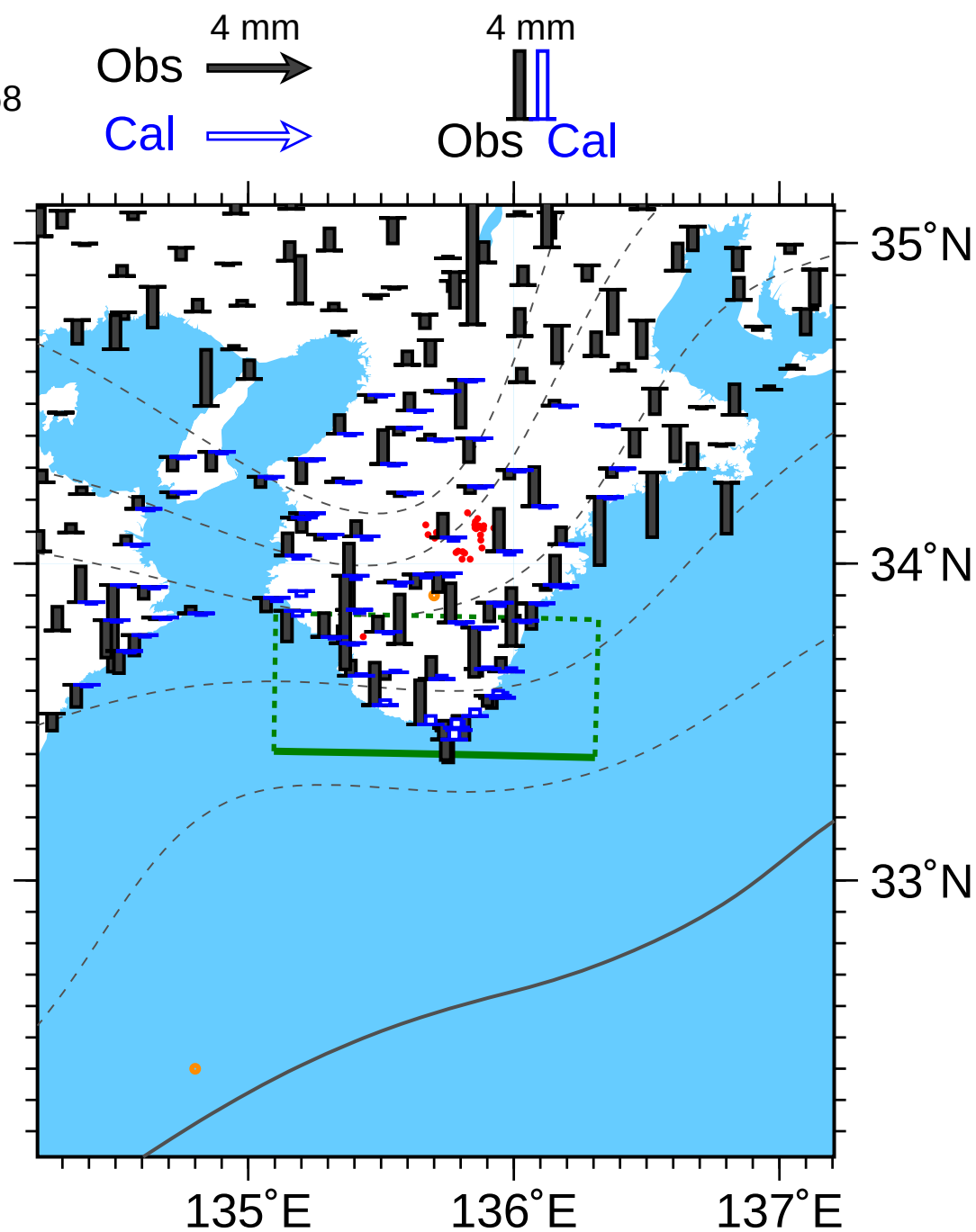
slp: 1.7 Mw: 5.66 CC: 0.530 RC2: 1.0549e+02



● Tremor (Maeda & Obara, 2009; Obara et al., 2010)

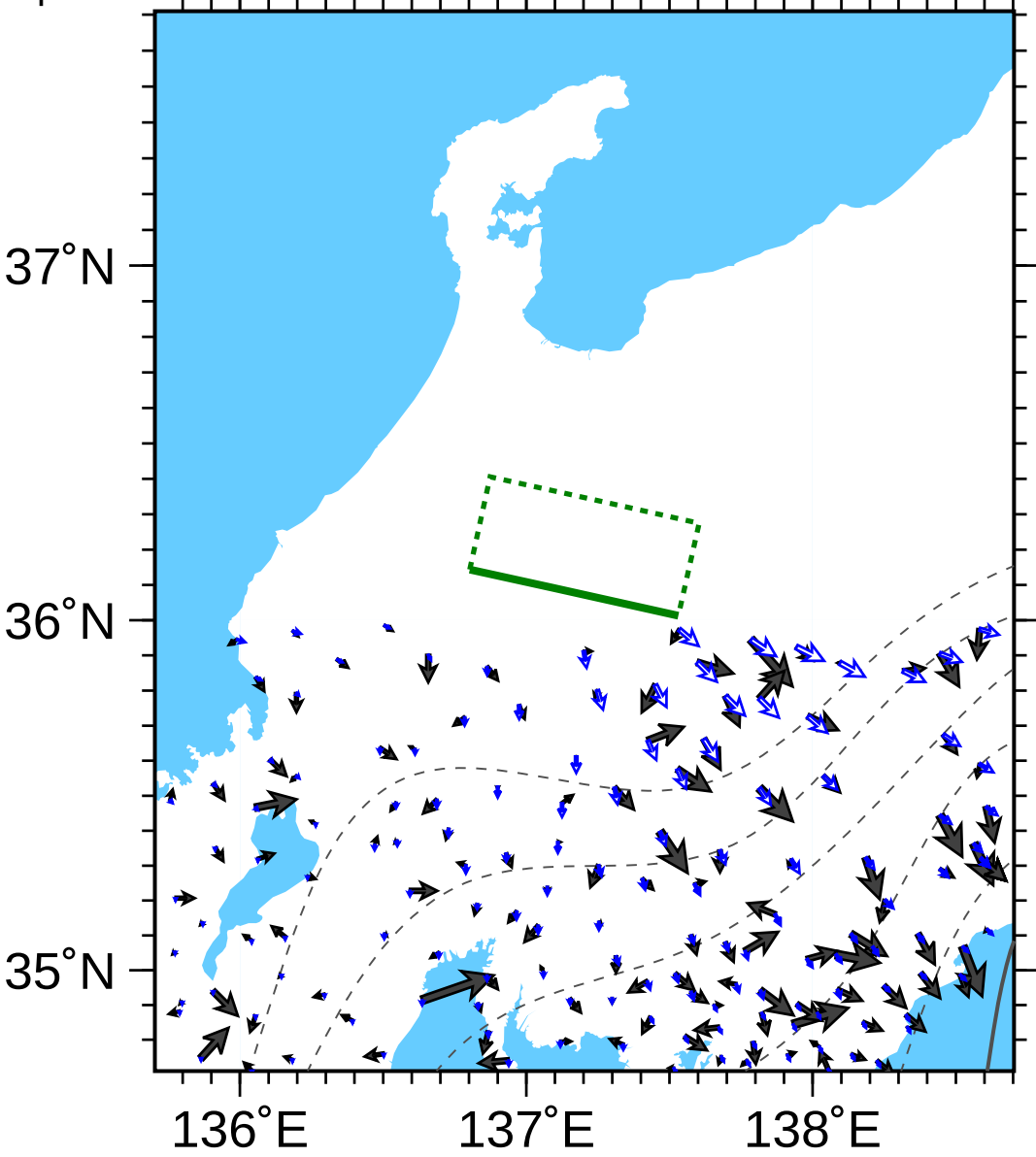
☆ Repeating earthquake (Uchida et al., 2020)

○ Very low frequency earthquake (Baba et al., 2020)

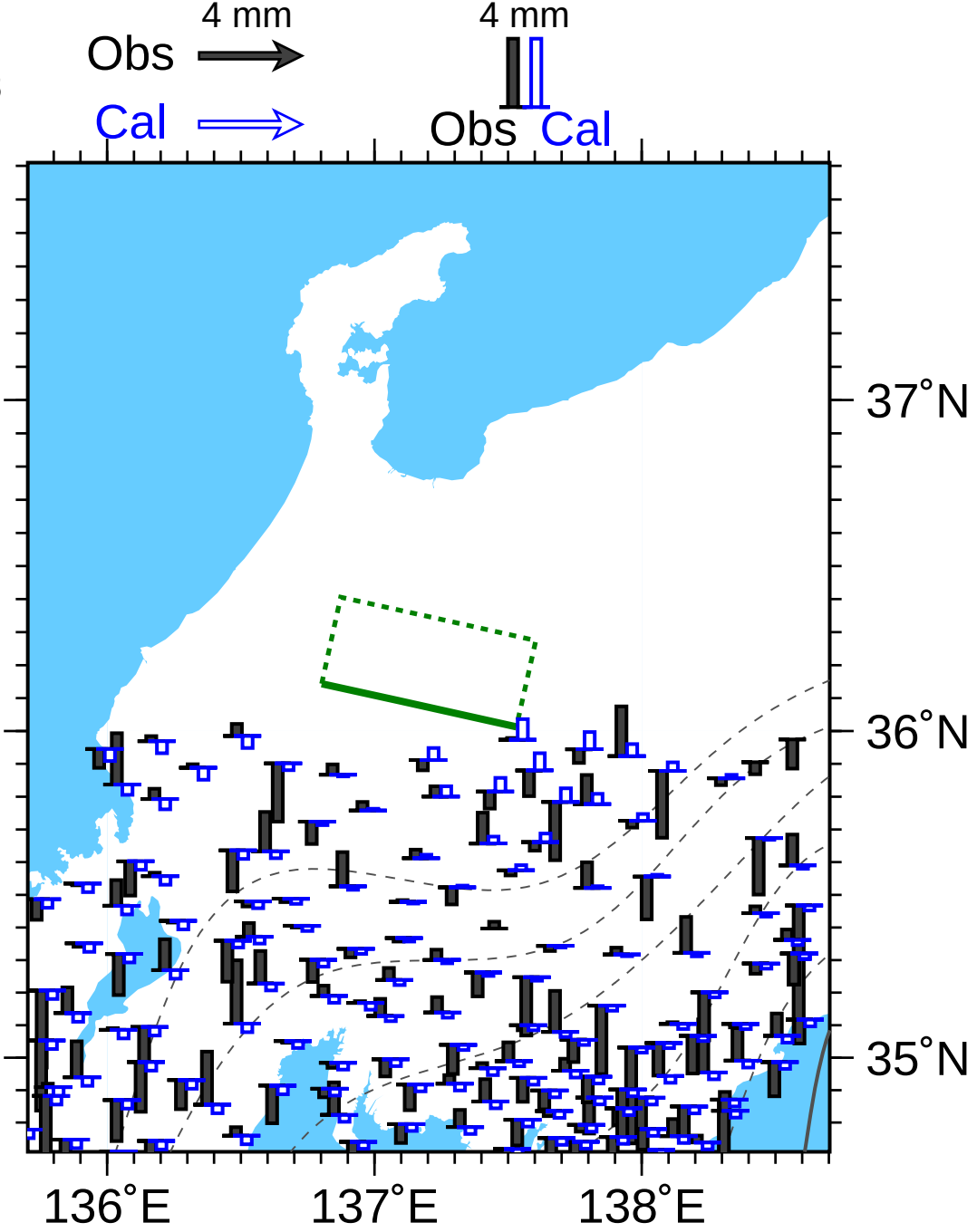


○ ○ ○
10 100 1000

Date: Oct-10-2019 class2 Duration: 1 days
len: 67.169 wid: 32.705 str: 282.508 dip: 24.366 rak: 153.568
slp: 38.3 Mw: 6.28 CC: 0.523 RC2: 1.1307e+02



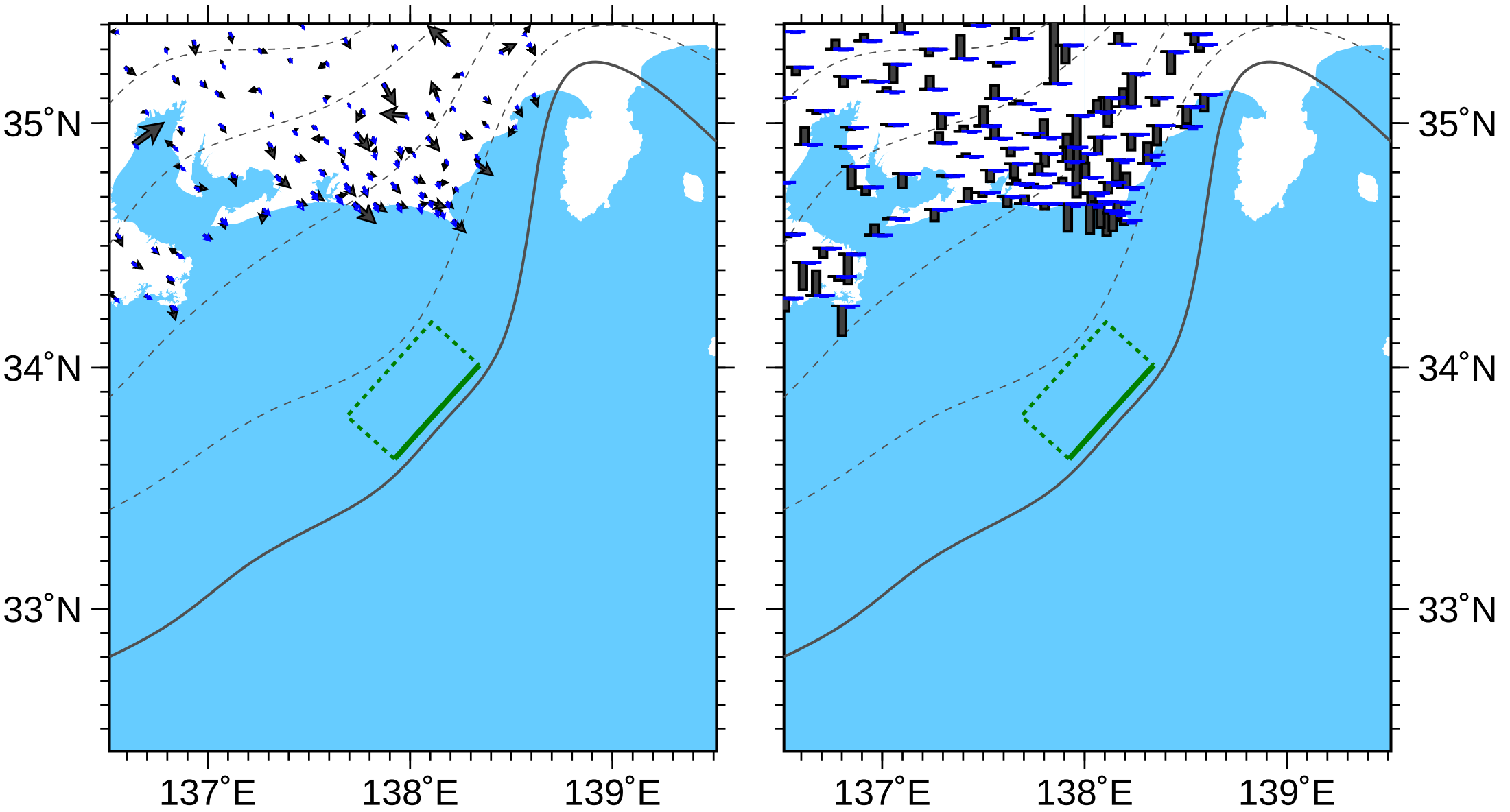
- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)



- 10
- 100
- 1000

Date: Dec-11-2019 class2 Duration: 7 days
len: 57.837 wid: 29.747 str: 221.976 dip: 10.065 rak: 97.223
slp: 24.7 Mw: 6.09 CC: 0.409 RC2: 5.6311e+01

4 mm
Obs $\longrightarrow$
Cal $\Longrightarrow$
4 mm
Obs Cal



- Tremor (Maeda & Obara, 2009; Obara et al., 2010)
- ☆ Repeating earthquake (Uchida et al., 2020)
- Very low frequency earthquake (Baba et al., 2020)

