

Supplementary Material 2:

One year of sound recorded by a MERMAID float in the Pacific: Hydroacoustic earthquake signals and infrasonic ambient noise

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In this Supplement we show hourlong segments of reviewed records sorted by tag which is a combination of rating and arrival type, and then chronologically in the same way as the list in Supplementary Material 1. The ratings are DET, REQ, 3stars, 2star, and 1stars. The first two ratings, DET and REQ, apply to events that we have the time series and know that they contain earthquake signals prior to searching for the missing earthquake signals. DET means the event is reported by the instrument automatically after it receives *P* wave arrivals. REQ means the event which the time series has been requested prior to this work. Therefore, we know that these time series contain potential earthquake signals. The other ratings apply to the events manually found by us in the buffer. More stars indicate the more outstanding signals from the background level. The arrival types are body and surface. For body type events, we match the events whose expected body wave arrival times fell within three minutes from the times that we have identified in our time series. We computed the body expected arrival times using the ak135 velocity model. For surface type events, we match the events whose surface wave arrival would imply a speed between 3–5 km/s. The ratings for the body wave type are ***, **, and * for surface waves which correspond to 3stars, 2stars, and 1stars. The ratings for the surface wave type are S3, S2, and S1 for surface waves which correspond to 3stars, 2stars, and 1star, respectively. All events are sorted by tag from DET, REQ, 3stars (***, S3), 2stars (**, S2), and 1star (*, S1) where the parentheses indicate equal ranking. The event parameters are listed in Supplementary Material 1.

Events automatically reported by MERMAID start at page 2.

Events requested from the buffer start at page 12.

Events that received a 3-star rating start at page 22.

Events that received a 2-star rating start at page 53.

Events that received a 1-star rating start at page 135.

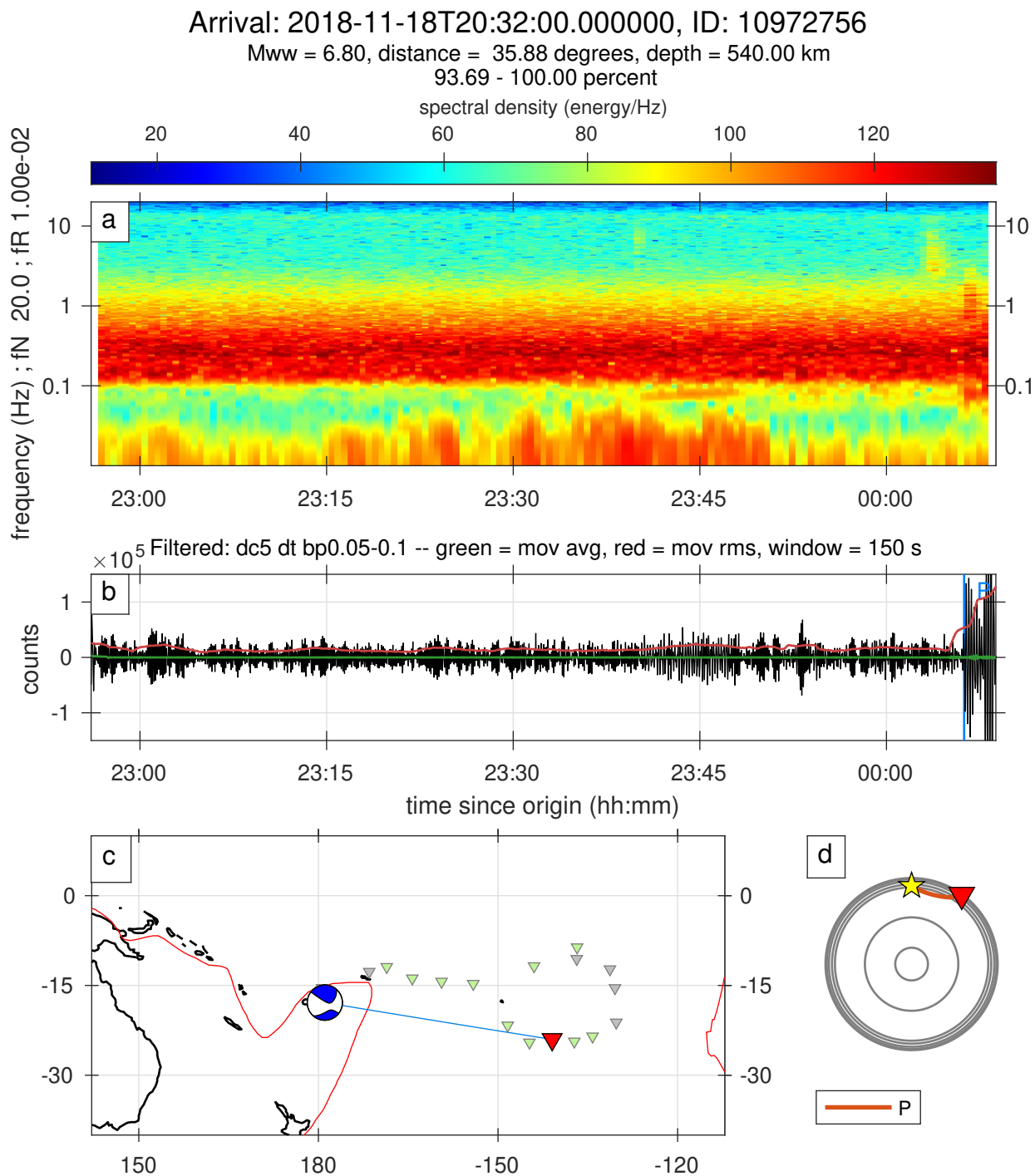


Figure S1. A full record of an earthquake classified as DET category.

Arrival: 2018-11-30T17:42:00.000000, ID: 10976411

mww = 7.00, distance = 85.64 degrees, depth = 46.70 km

72.08 - 100.00 percent

spectral density (energy/Hz)

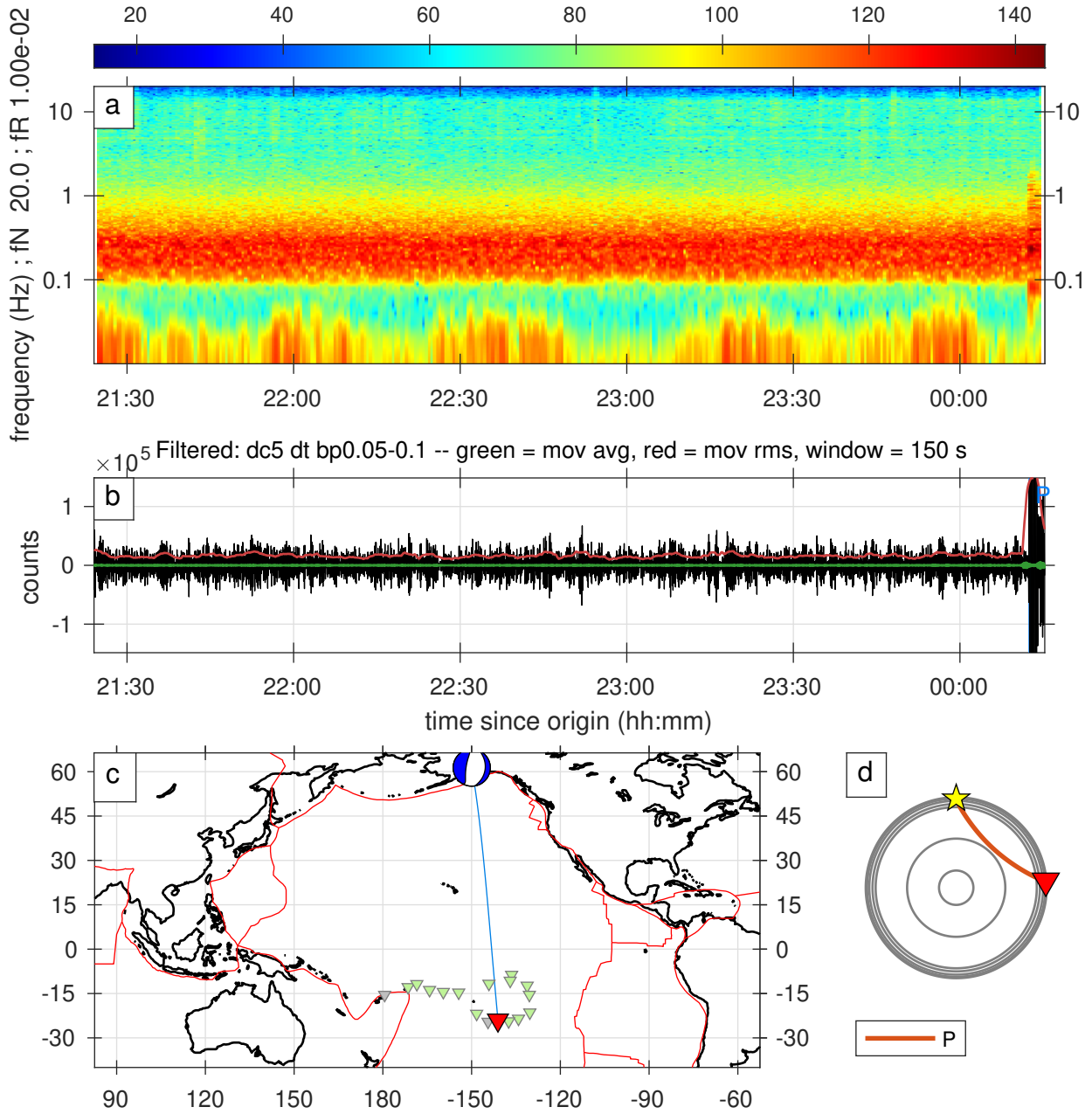


Figure S2. A full record of an earthquake classified as DET category.

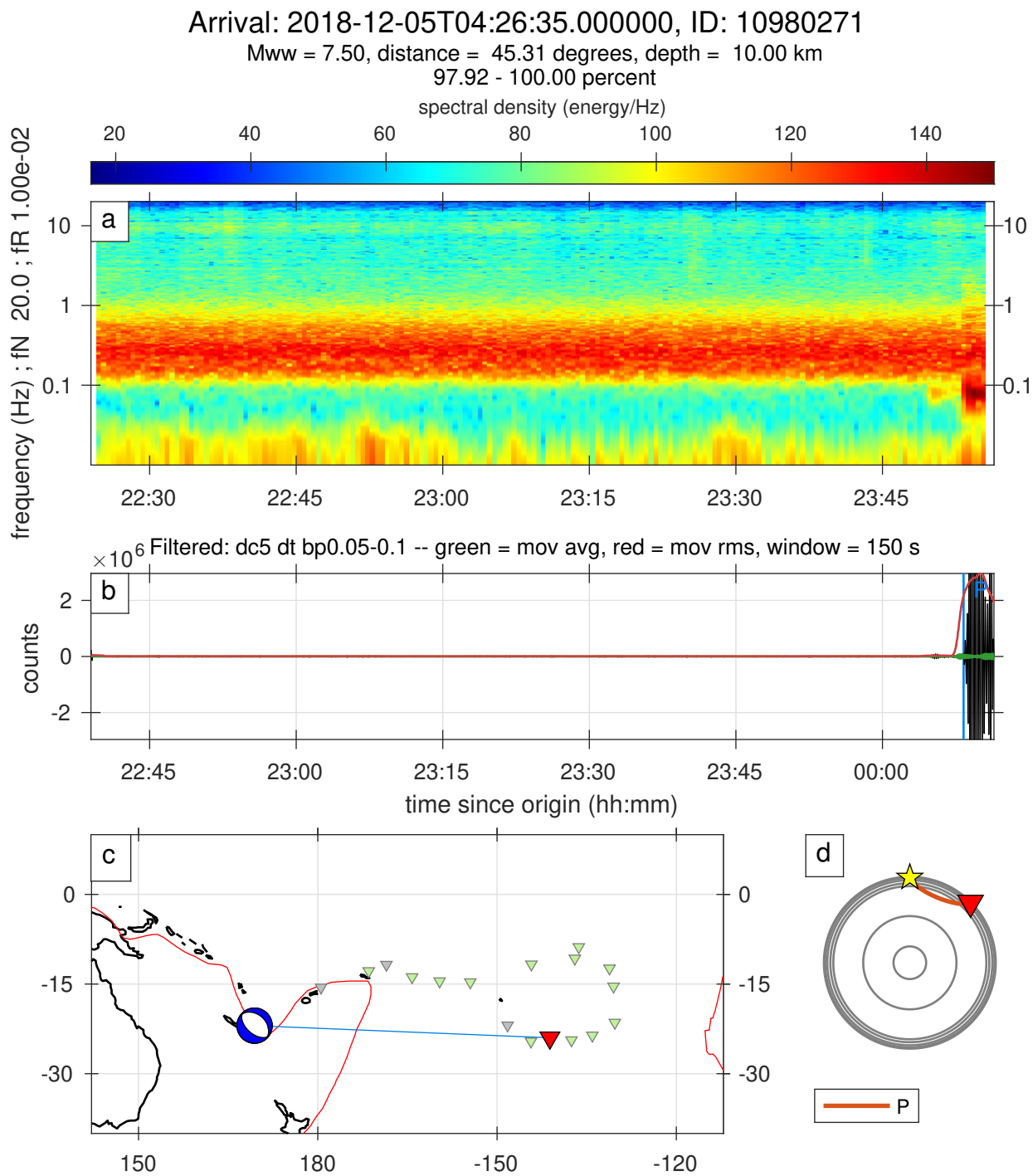


Figure S3. A full record of an earthquake classified as DET category.

Arrival: 2018-12-11T02:38:40.000000, ID: 10983619

mww = 7.10, distance = 81.50 degrees, depth = 164.66 km

96.53 - 100.00 percent

spectral density (energy/Hz)

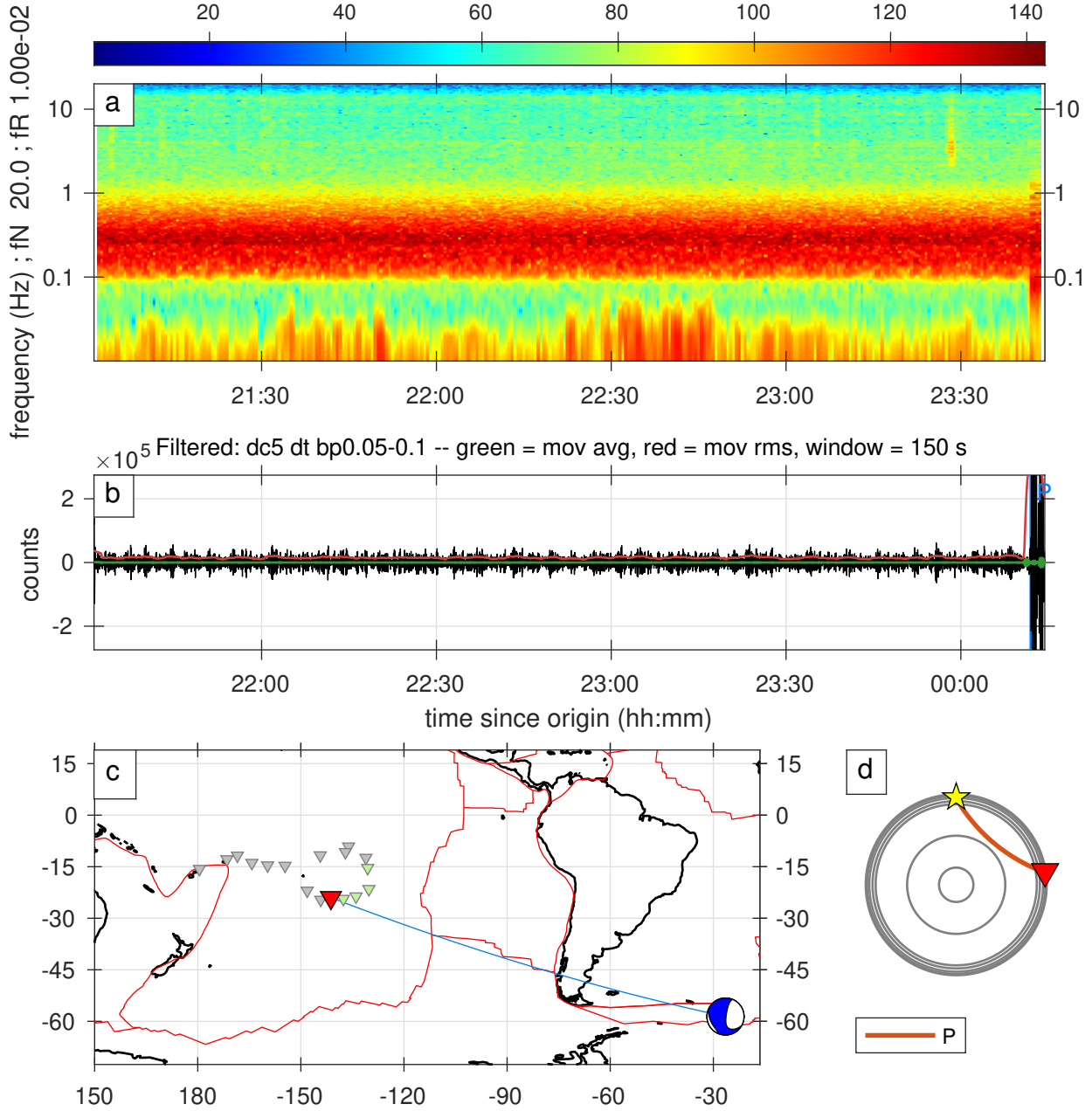


Figure S4. A full record of an earthquake classified as DET category.

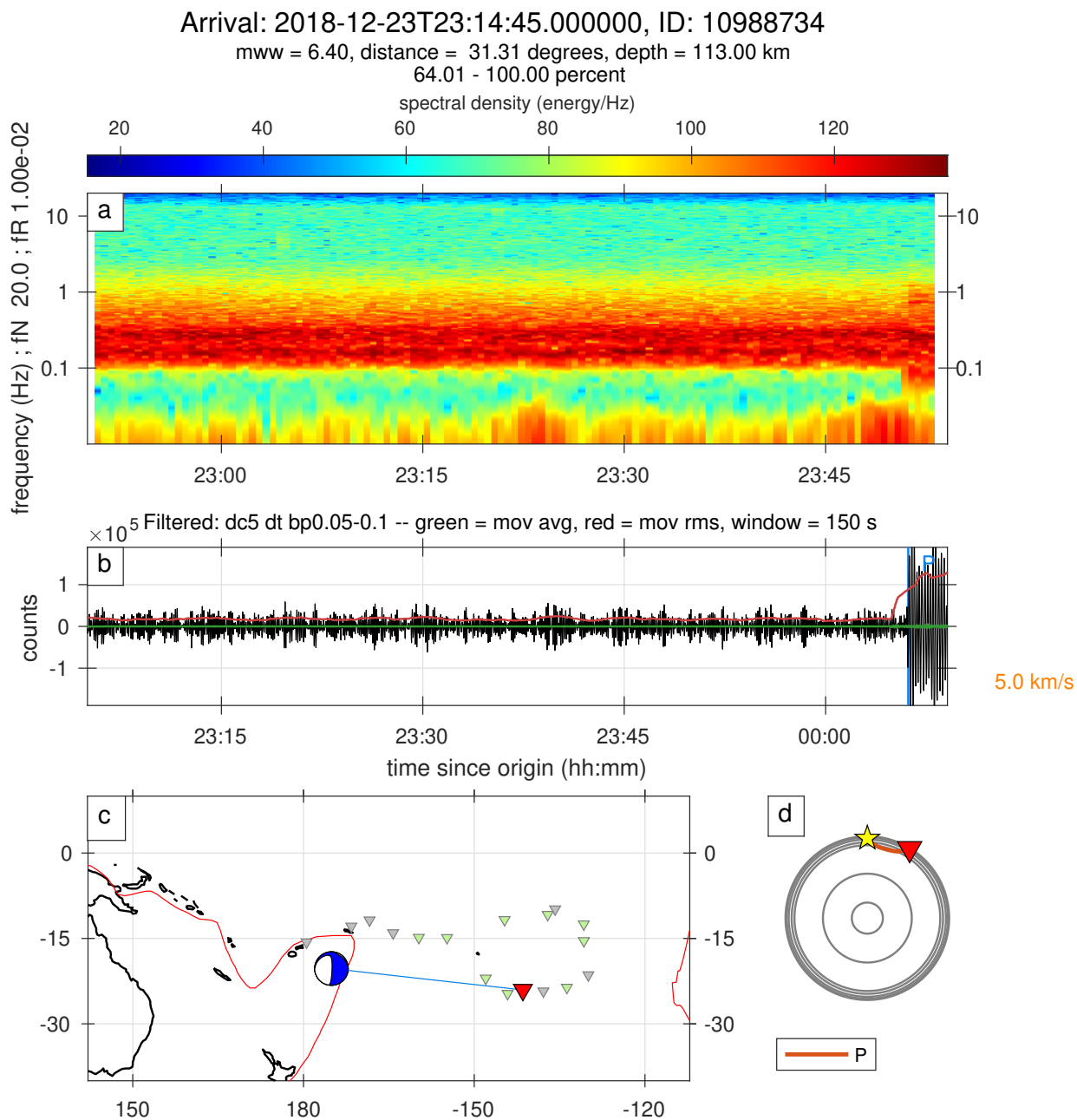


Figure S5. A full record of an earthquake classified as DET category.

Arrival: 2019-01-20T01:43:00.000000, ID: 10997608

mww = 6.70, distance = 62.17 degrees, depth = 54.82 km

36.93 - 40.92 percent

spectral density (energy/Hz)

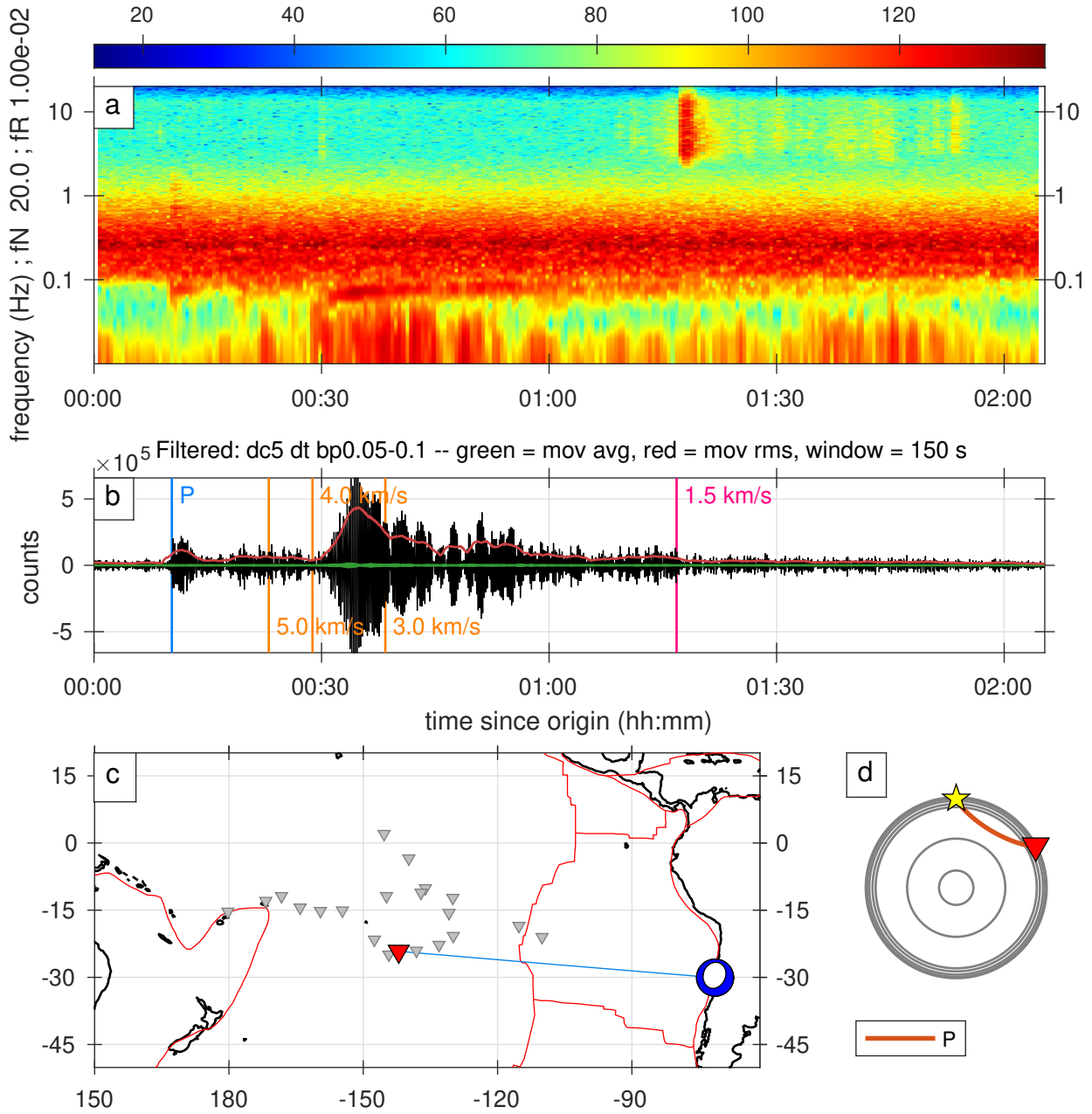


Figure S6. A full record of an earthquake classified as DET category.

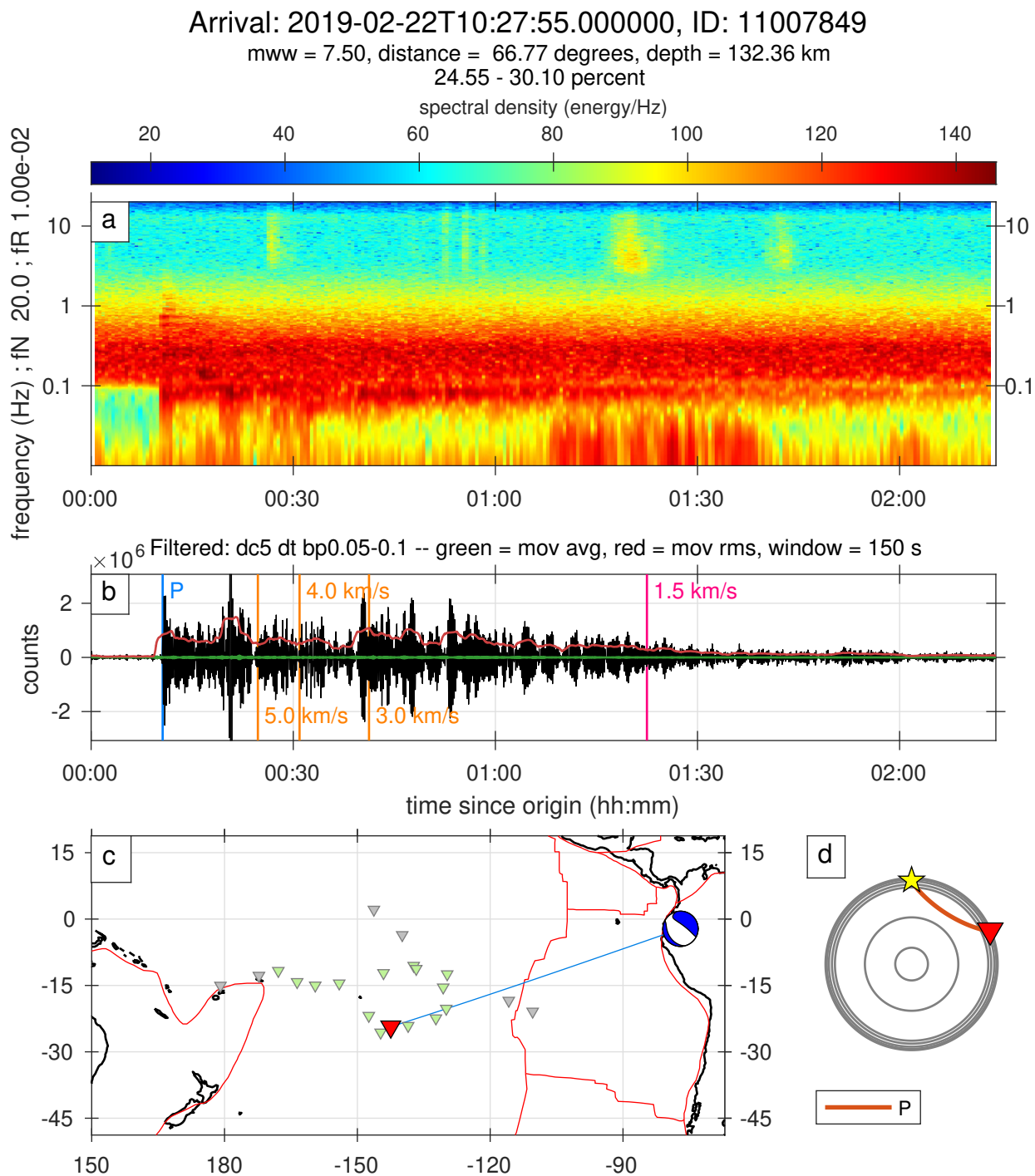


Figure S7. A full record of an earthquake classified as DET category.

Arrival: 2019-03-01T09:01:00.000000, ID: 11010219

mww = 7.00, distance = 68.17 degrees, depth = 267.00 km

98.24 - 100.00 percent

spectral density (energy/Hz)

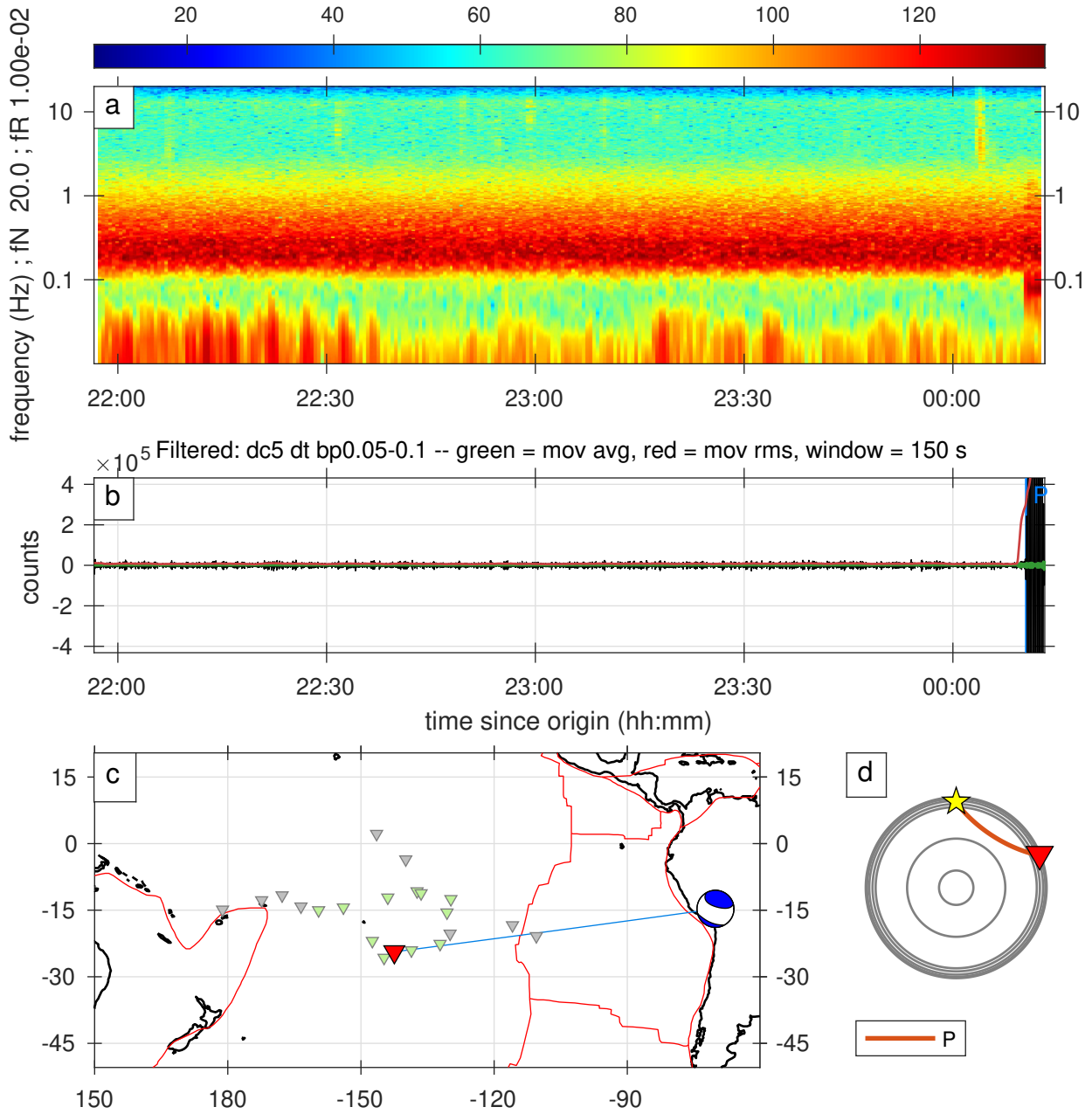


Figure S8. A full record of an earthquake classified as DET category.

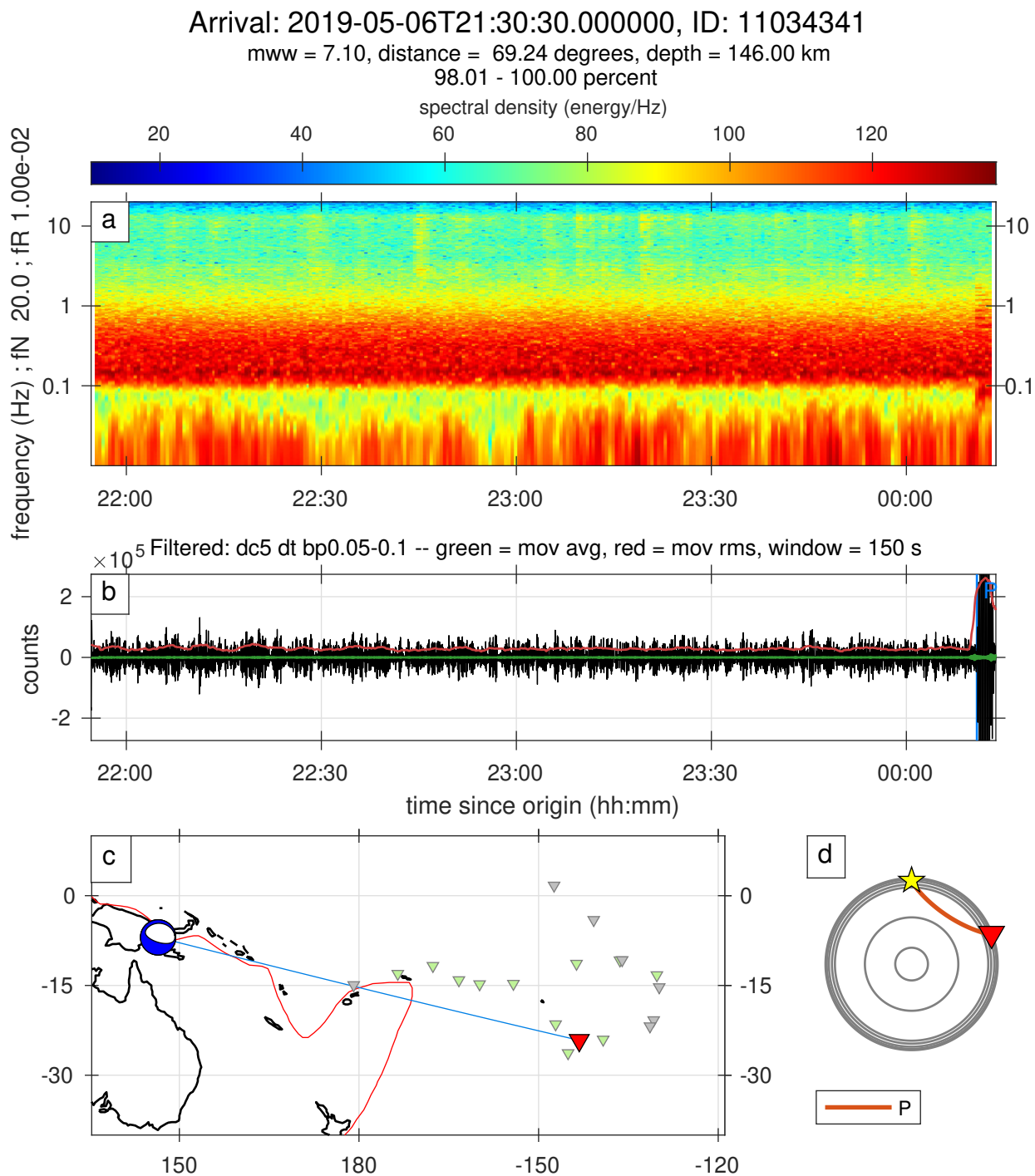


Figure S9. A full record of an earthquake classified as DET category.

Arrival: 2019-05-26T07:52:10.000000, ID: 11041250

Mww = 8.00, distance = 67.68 degrees, depth = 122.40 km

77.07 - 100.00 percent

spectral density (energy/Hz)

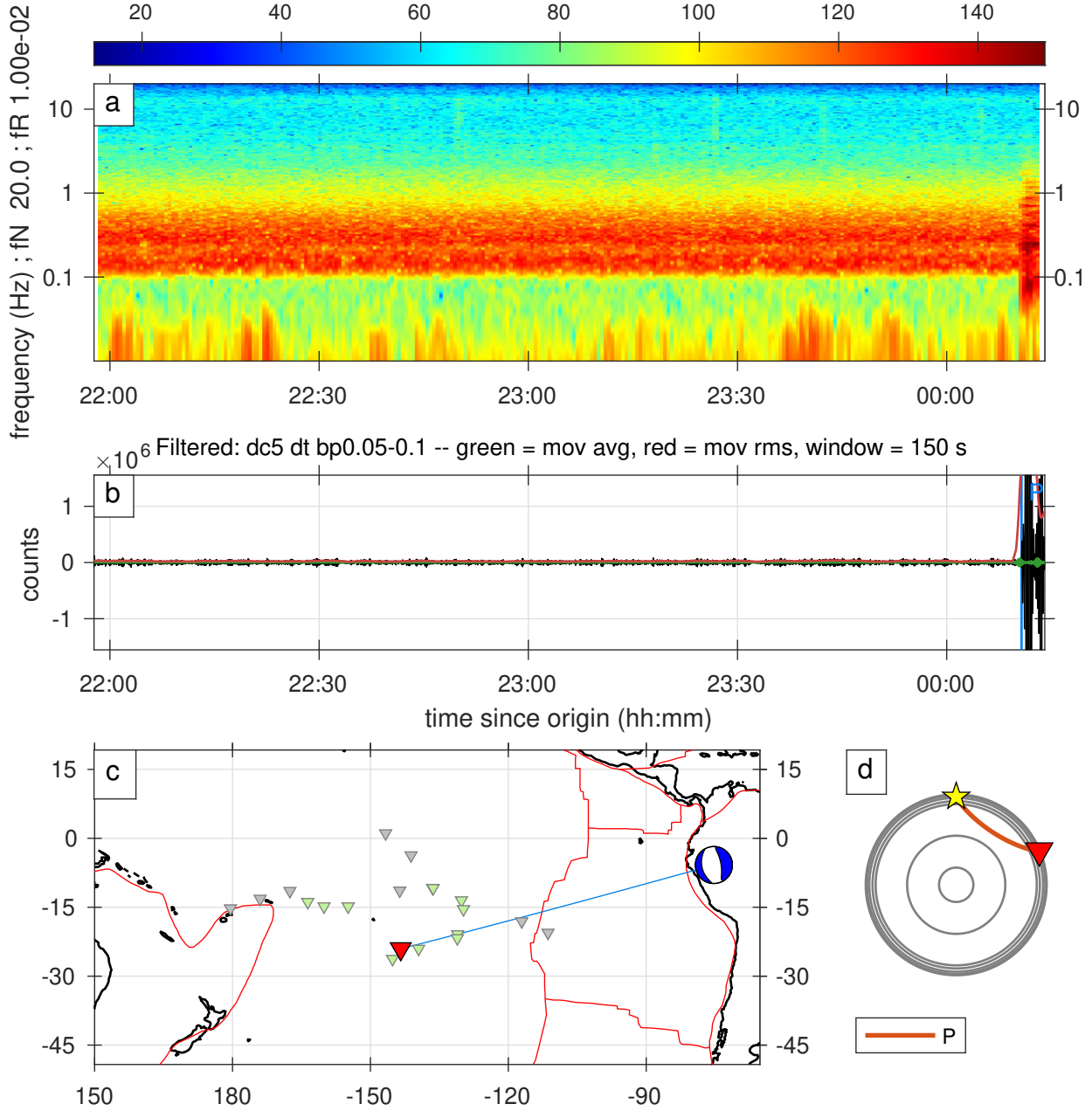


Figure S10. A full record of an earthquake classified as DET category.

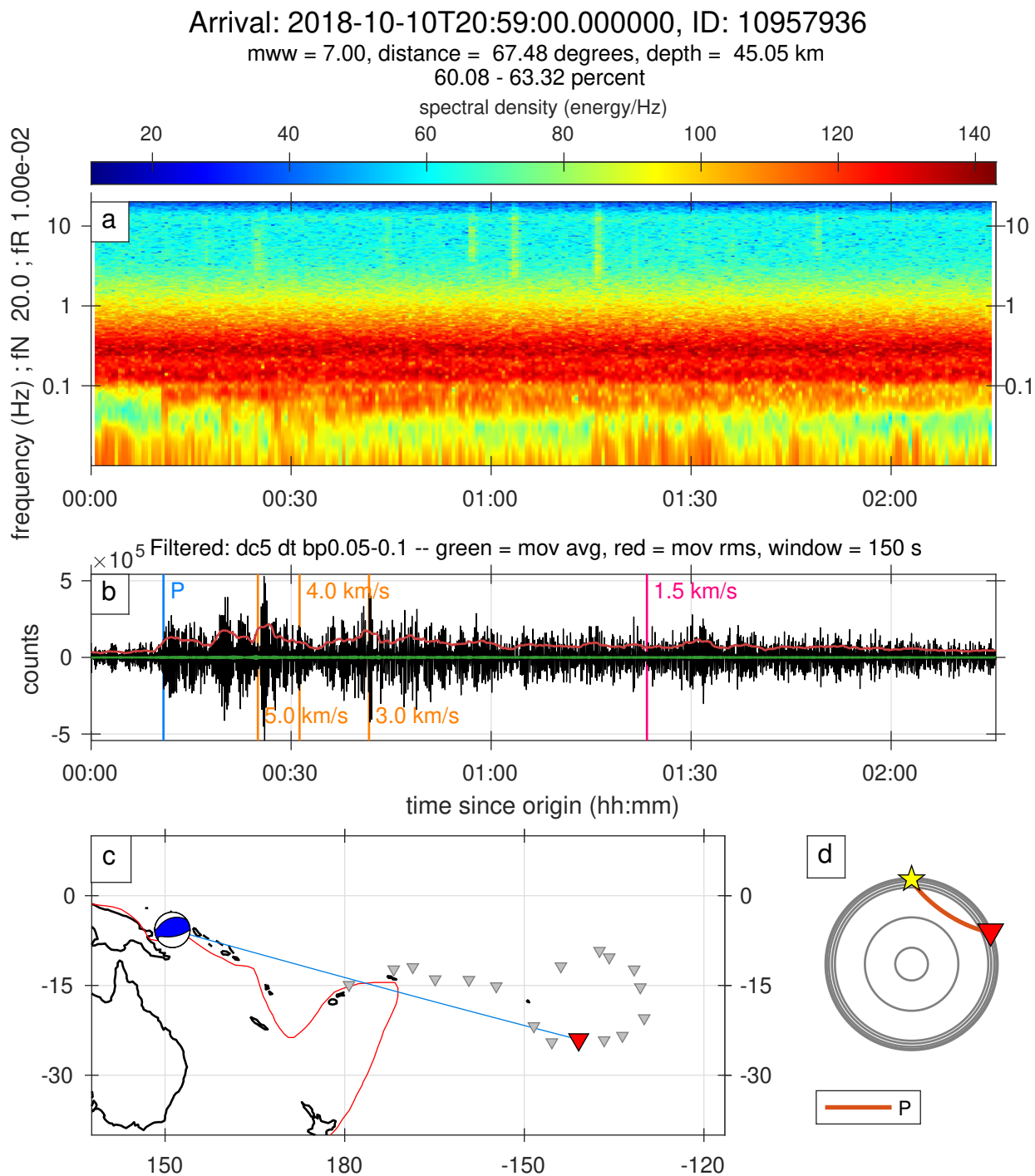


Figure S11. A full record of an earthquake classified as REQ category.

Arrival: 2018-10-10T23:29:00.000000, ID: 10957985

mww = 6.50, distance = 92.09 degrees, depth = 20.00 km

63.60 - 67.99 percent

spectral density (energy/Hz)

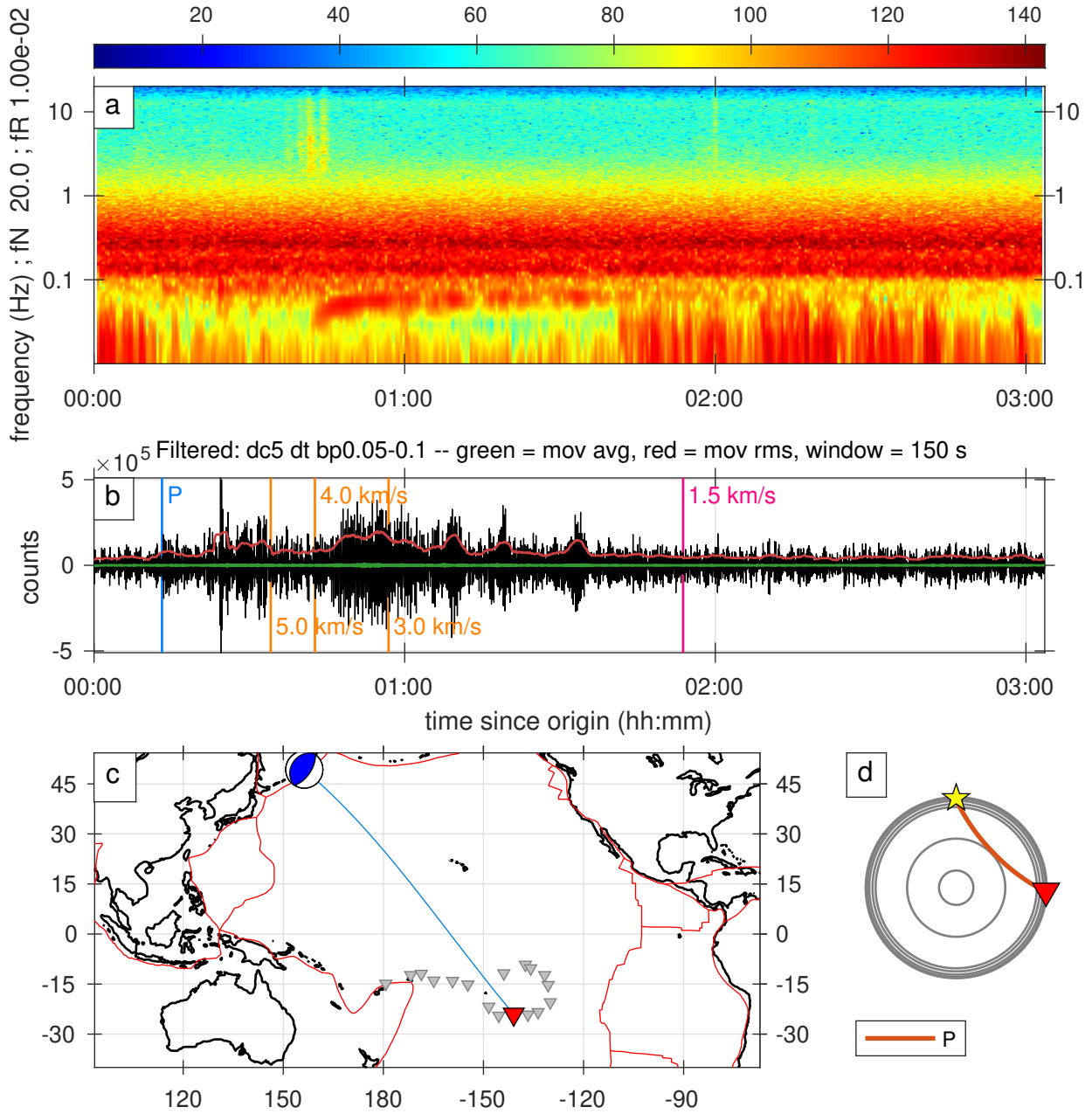


Figure S12. A full record of an earthquake classified as REQ category.

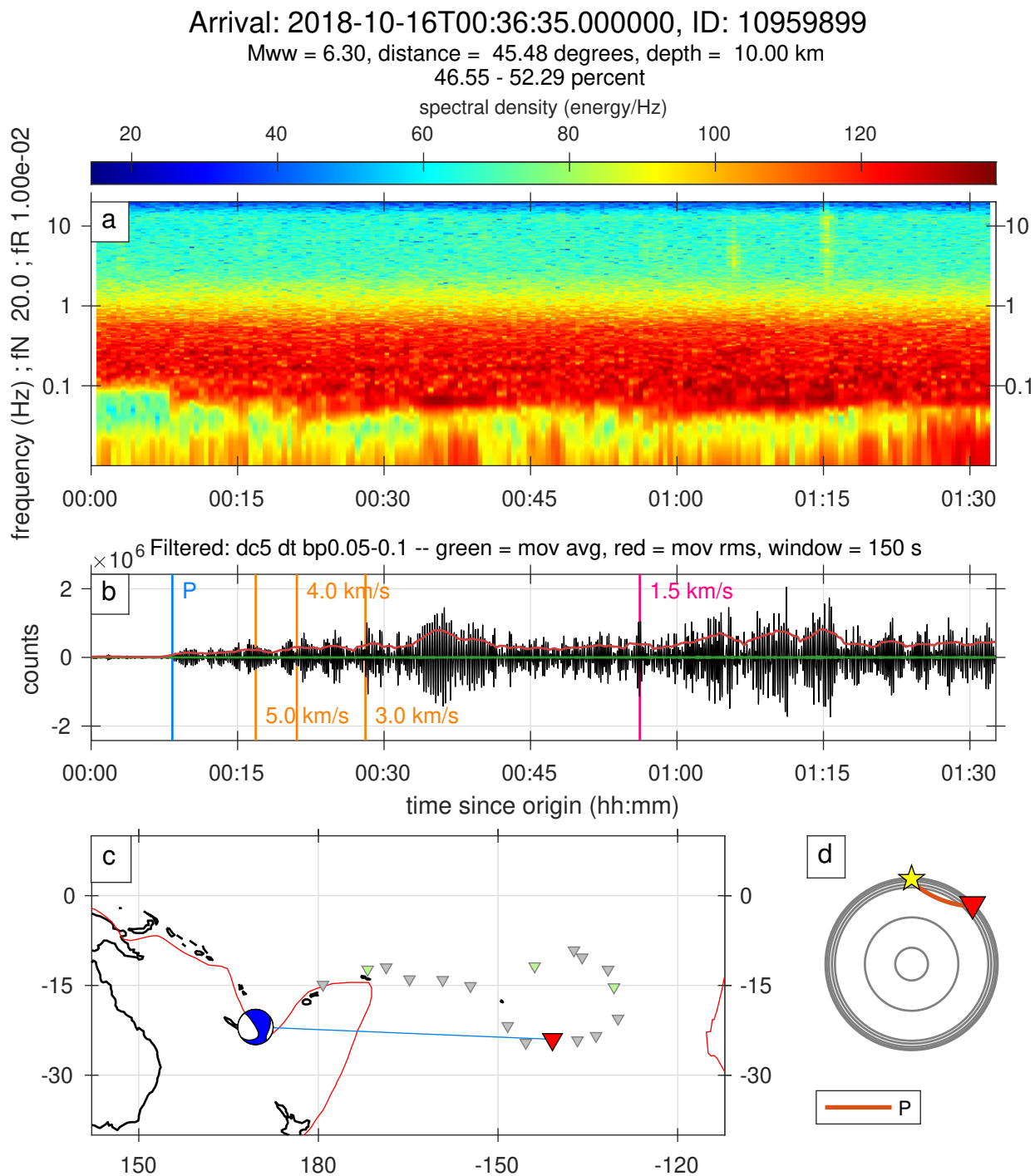


Figure S13. A full record of an earthquake classified as REQ category.

Arrival: 2018-10-16T01:12:00.000000, ID: 10959905

mww = 6.40, distance = 45.53 degrees, depth = 10.00 km

48.75 - 54.49 percent

spectral density (energy/Hz)

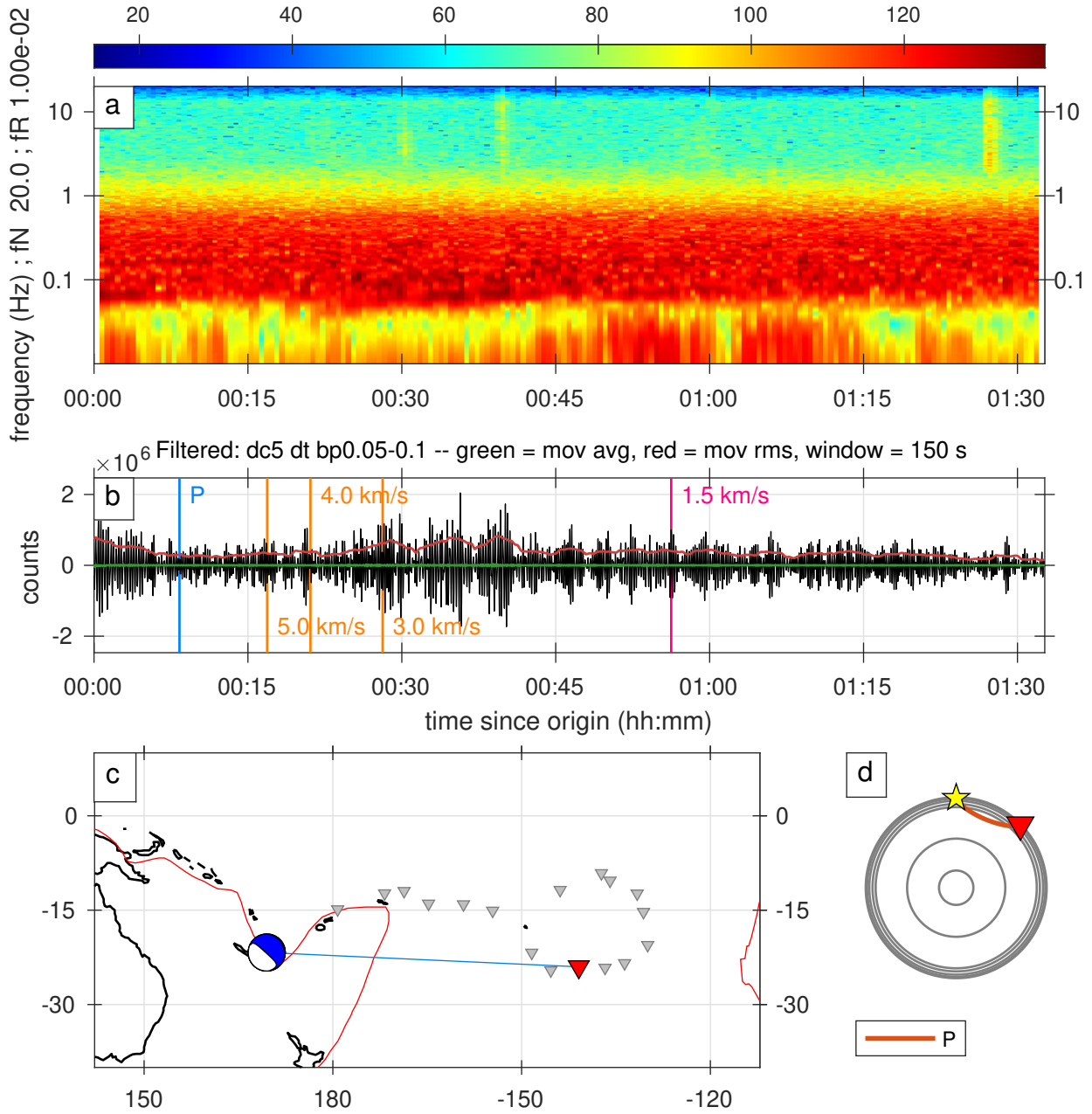


Figure S14. A full record of an earthquake classified as REQ category.

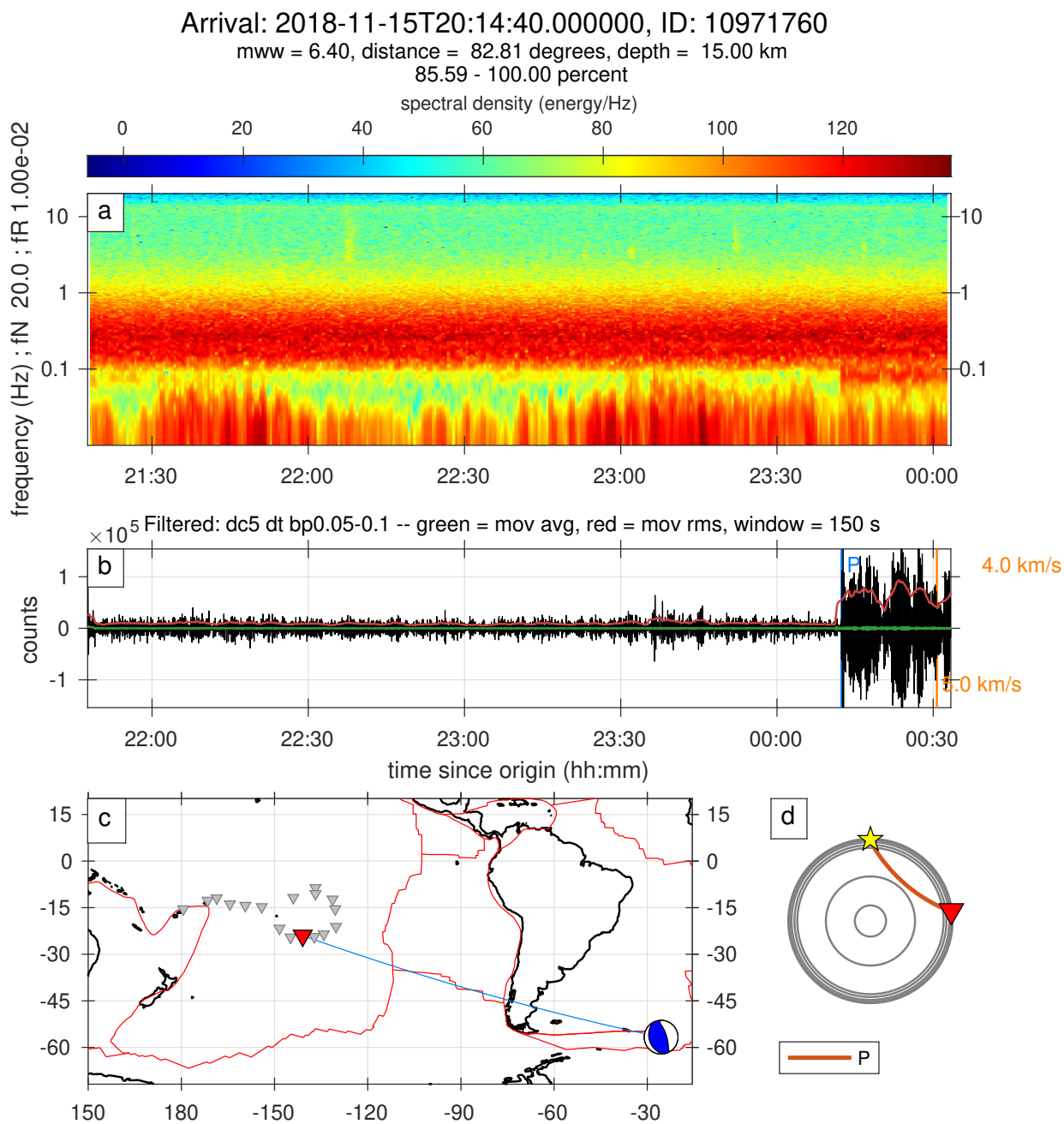


Figure S15. A full record of an earthquake classified as REQ category.

Arrival: 2018-12-29T03:52:20.000000, ID: 10990548

mww = 7.00, distance = 93.76 degrees, depth = 60.21 km

78.69 - 82.76 percent

spectral density (energy/Hz)

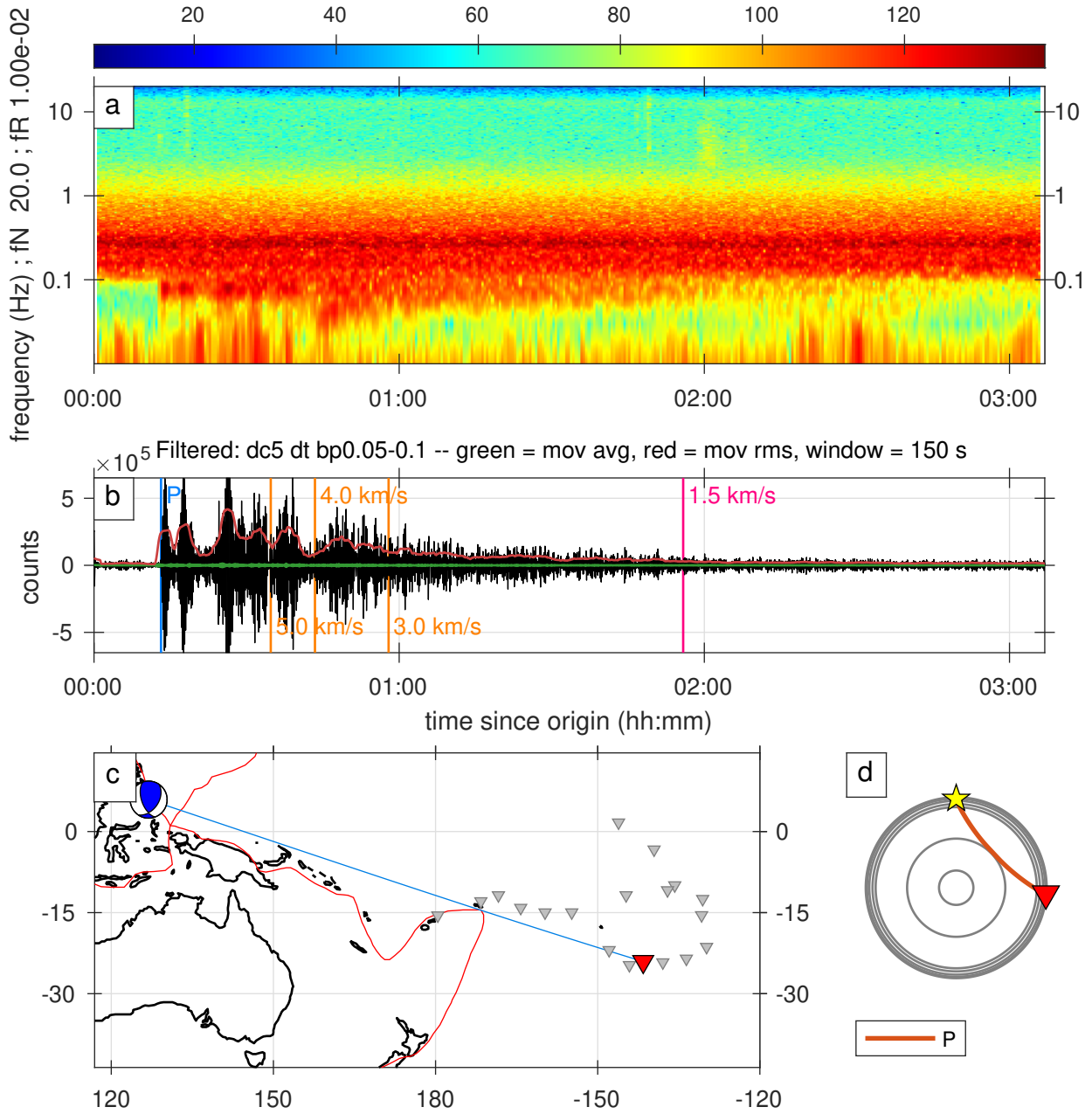


Figure S16. A full record of an earthquake classified as REQ category.

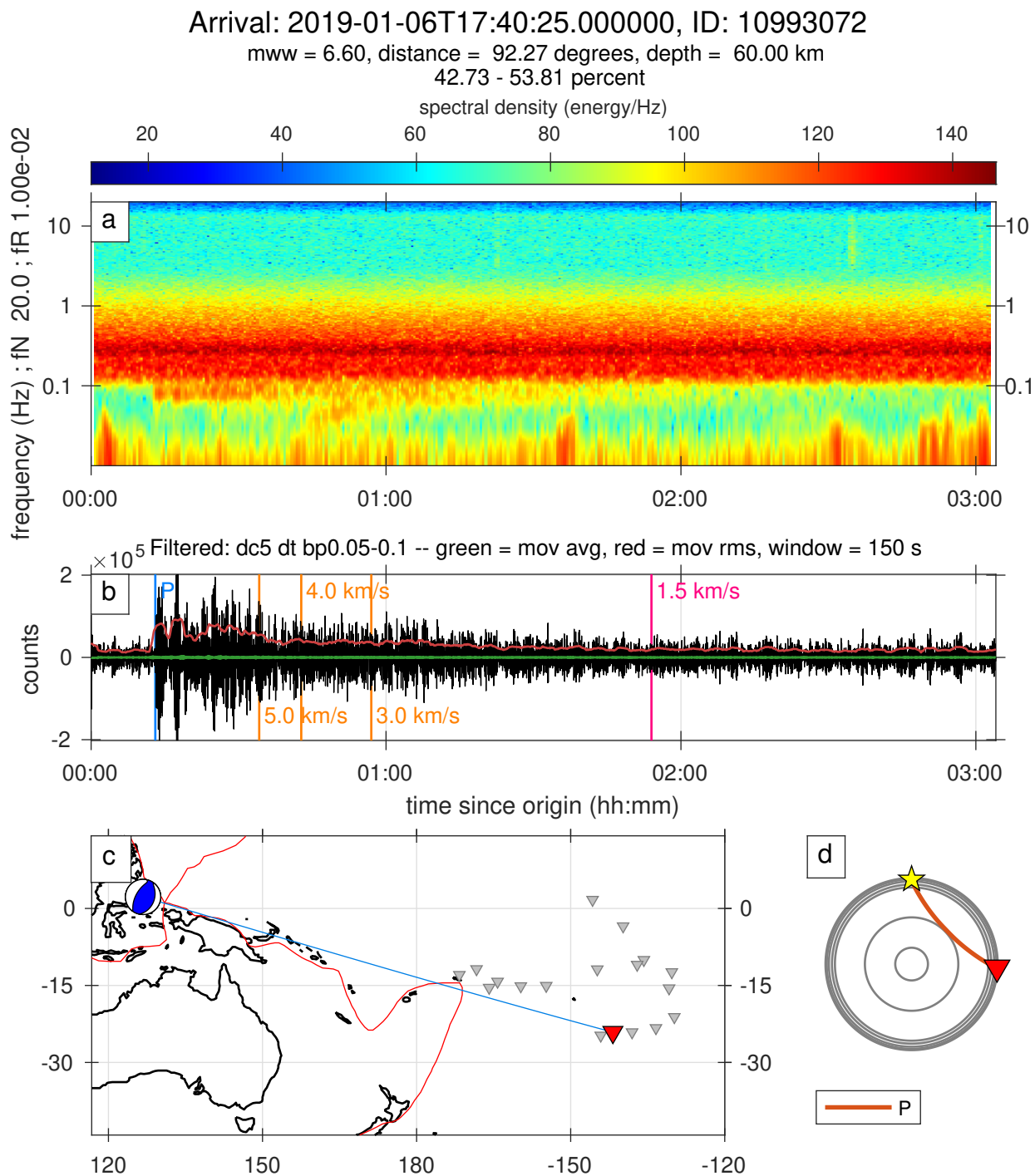


Figure S17. A full record of an earthquake classified as REQ category.

Arrival: 2019-01-22T05:24:30.000000, ID: 10998150

Mww = 6.40, distance = 93.65 degrees, depth = 27.01 km

84.96 - 100.00 percent

spectral density (energy/Hz)

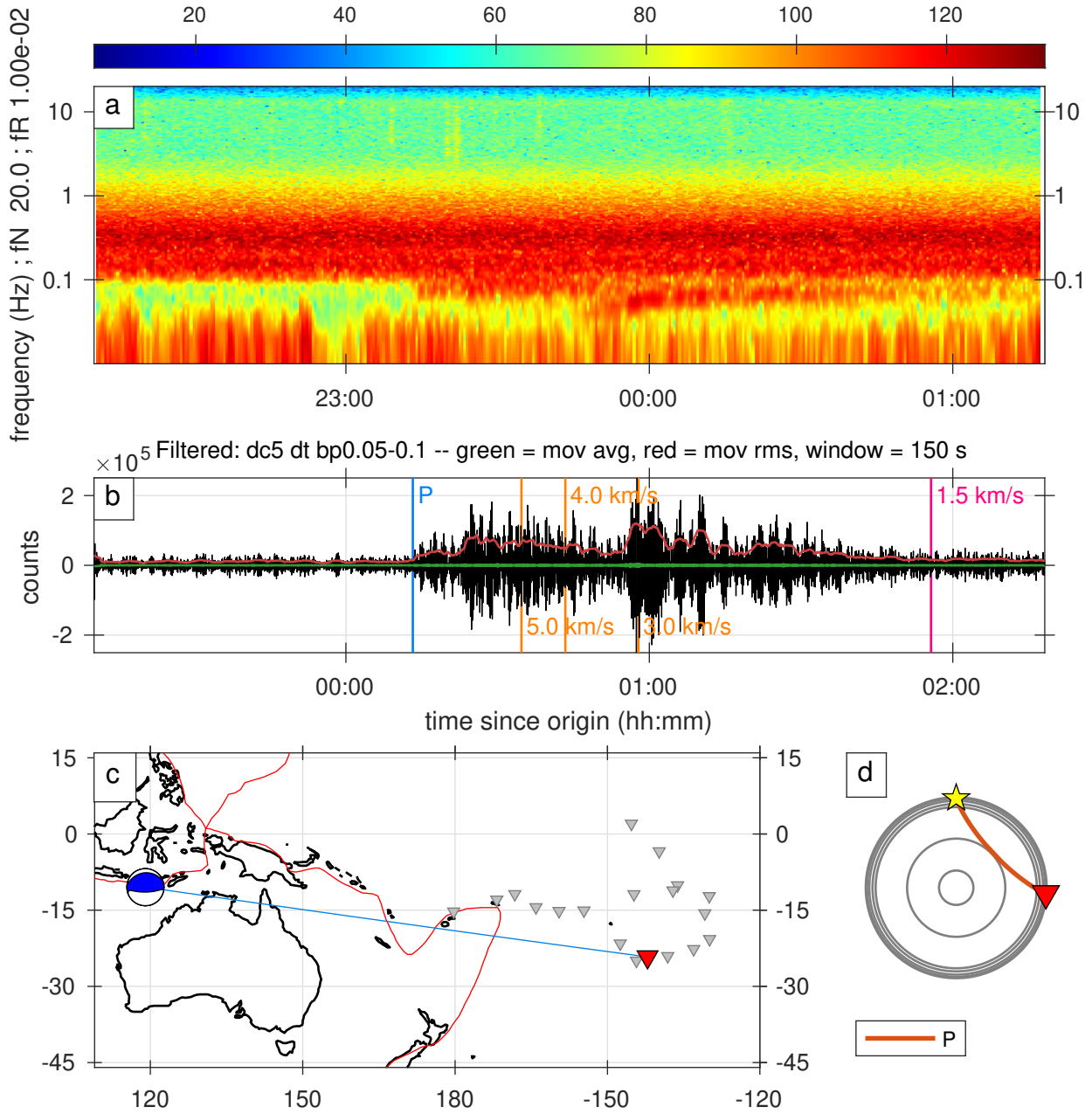


Figure S18. A full record of an earthquake classified as REQ category.

Arrival: 2019-03-06T15:52:30.000000, ID: 11011889

Mww = 6.40, distance = 31.91 degrees, depth = 29.00 km

88.90 - 89.91 percent

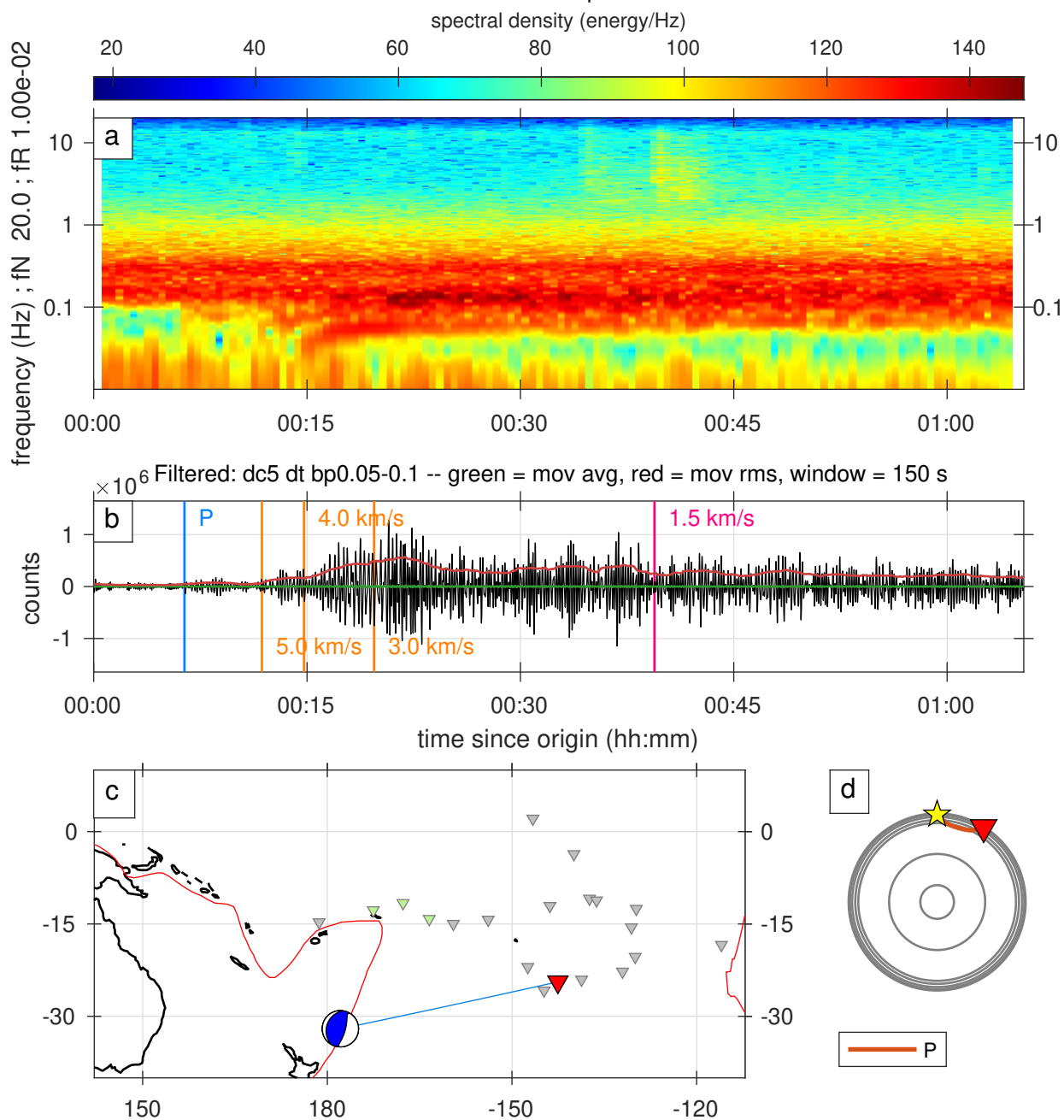


Figure S19. A full record of an earthquake classified as REQ category.

Arrival: 2019-04-02T21:48:00.000000, ID: 11021706

mww = 6.40, distance = 83.77 degrees, depth = 7.90 km

65.31 - 77.51 percent

spectral density (energy/Hz)

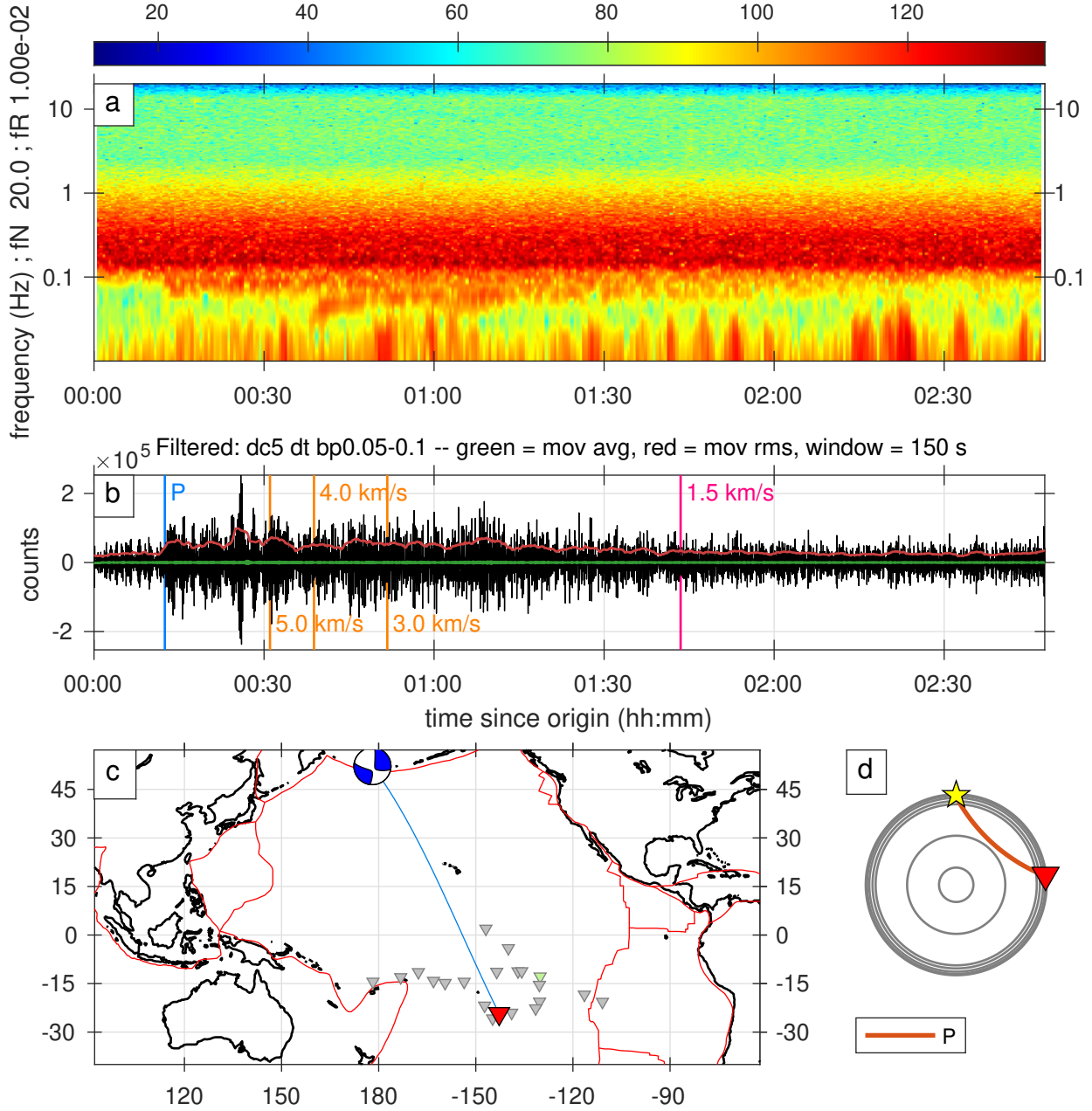


Figure S20. A full record of an earthquake classified as REQ category.

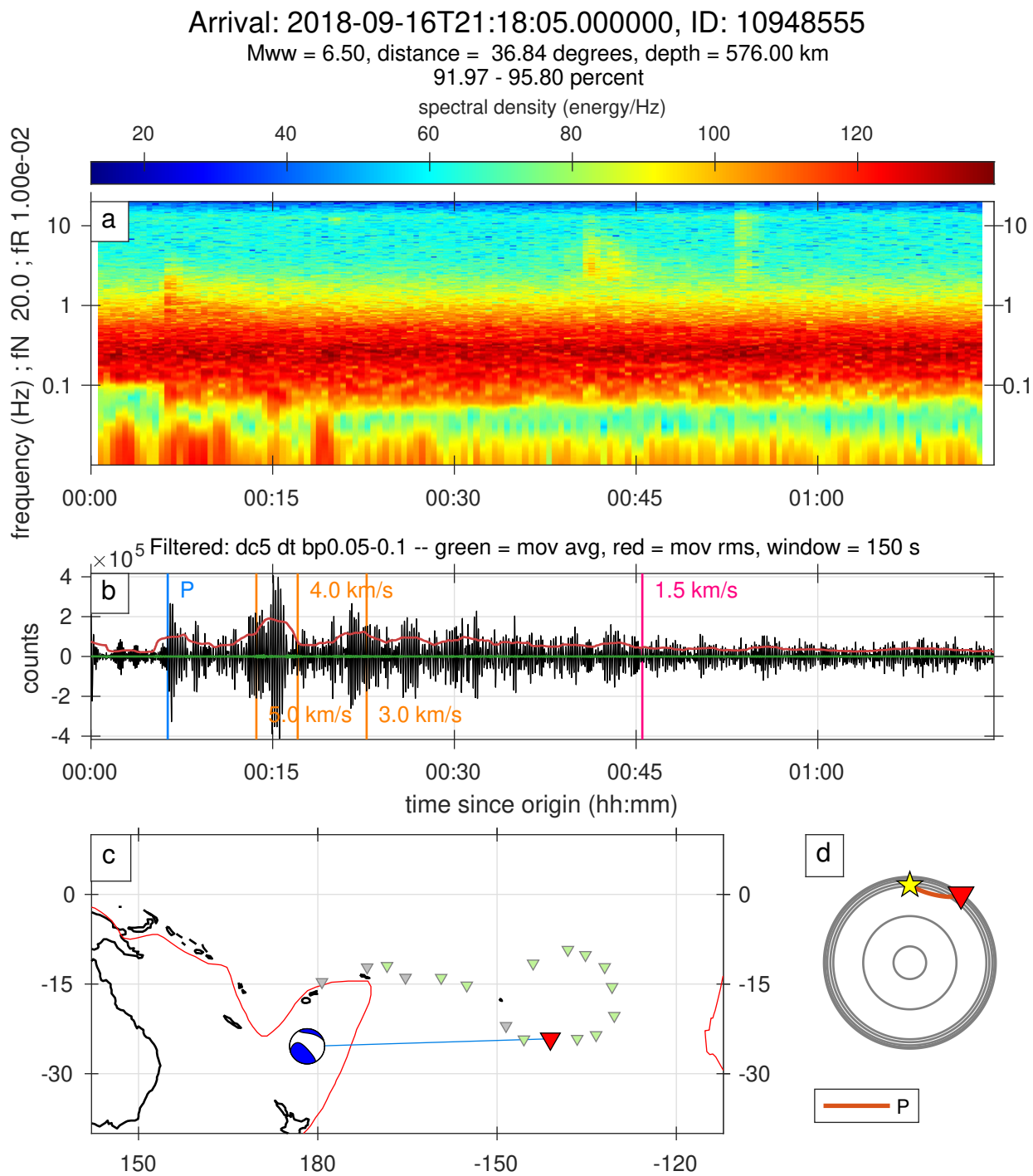


Figure S21. A full record of an earthquake classified as 3stars category.

Arrival: 2018-09-28T10:16:30.000000, ID: 10953070

Mww = 7.50, distance = 98.30 degrees, depth = 10.00 km

49.47 - 54.66 percent

spectral density (energy/Hz)

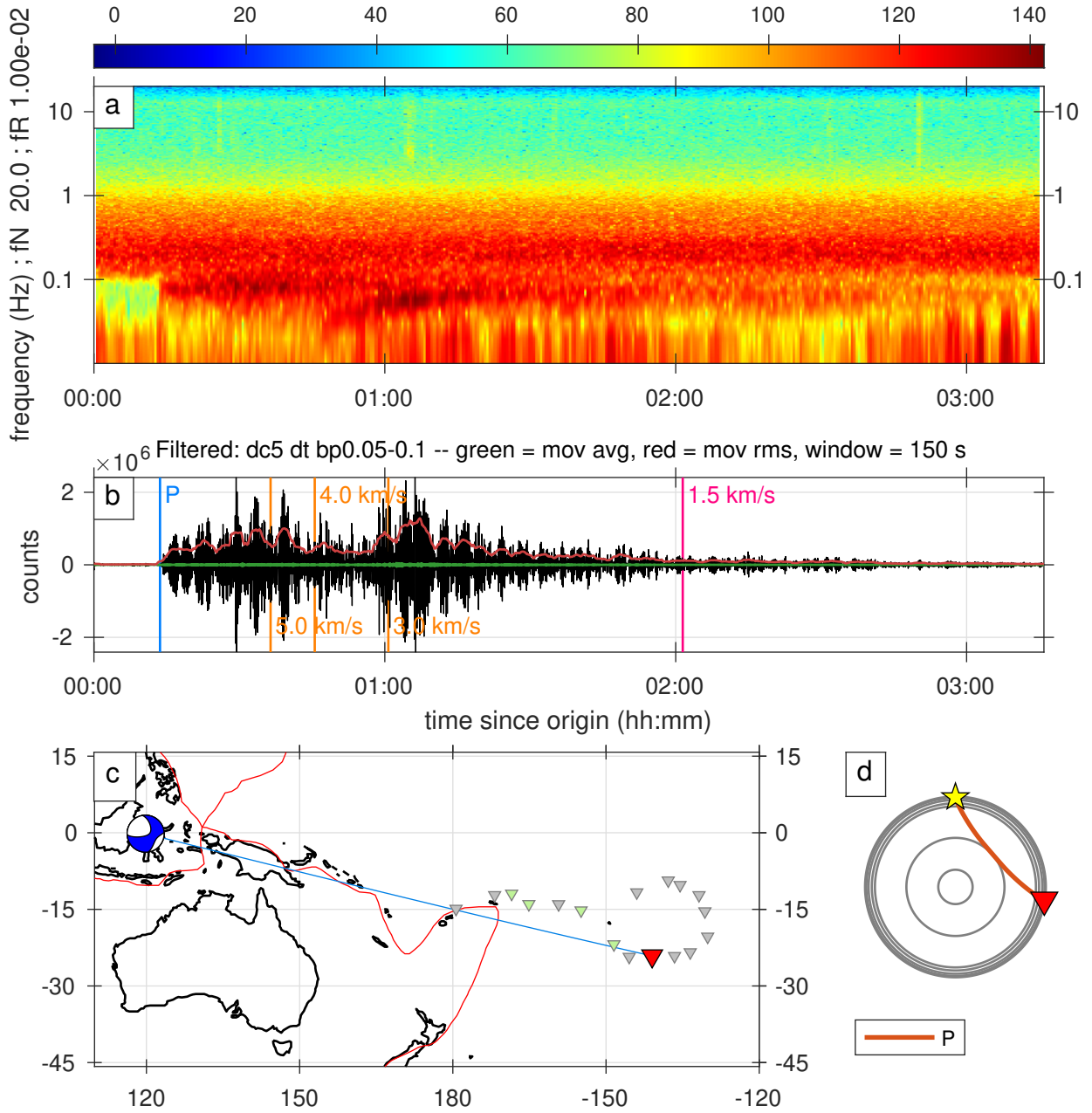


Figure S22. A full record of an earthquake classified as 3stars category.

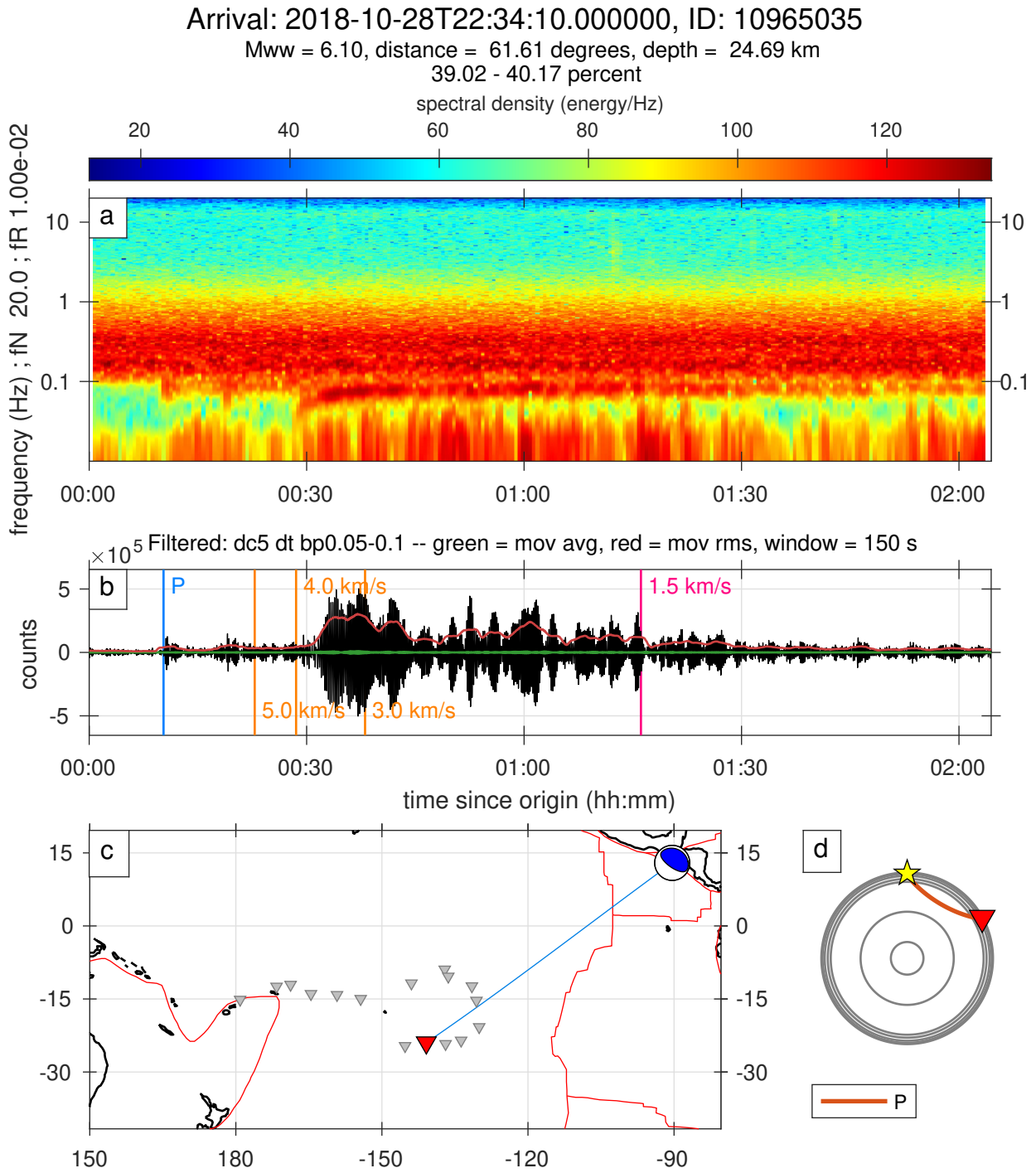


Figure S23. A full record of an earthquake classified as 3stars category.

Arrival: 2018-11-15T23:16:00.000000, ID: 10971868

Mww = 6.30, distance = 35.06 degrees, depth = 10.00 km
3.80 - 6.10 percent

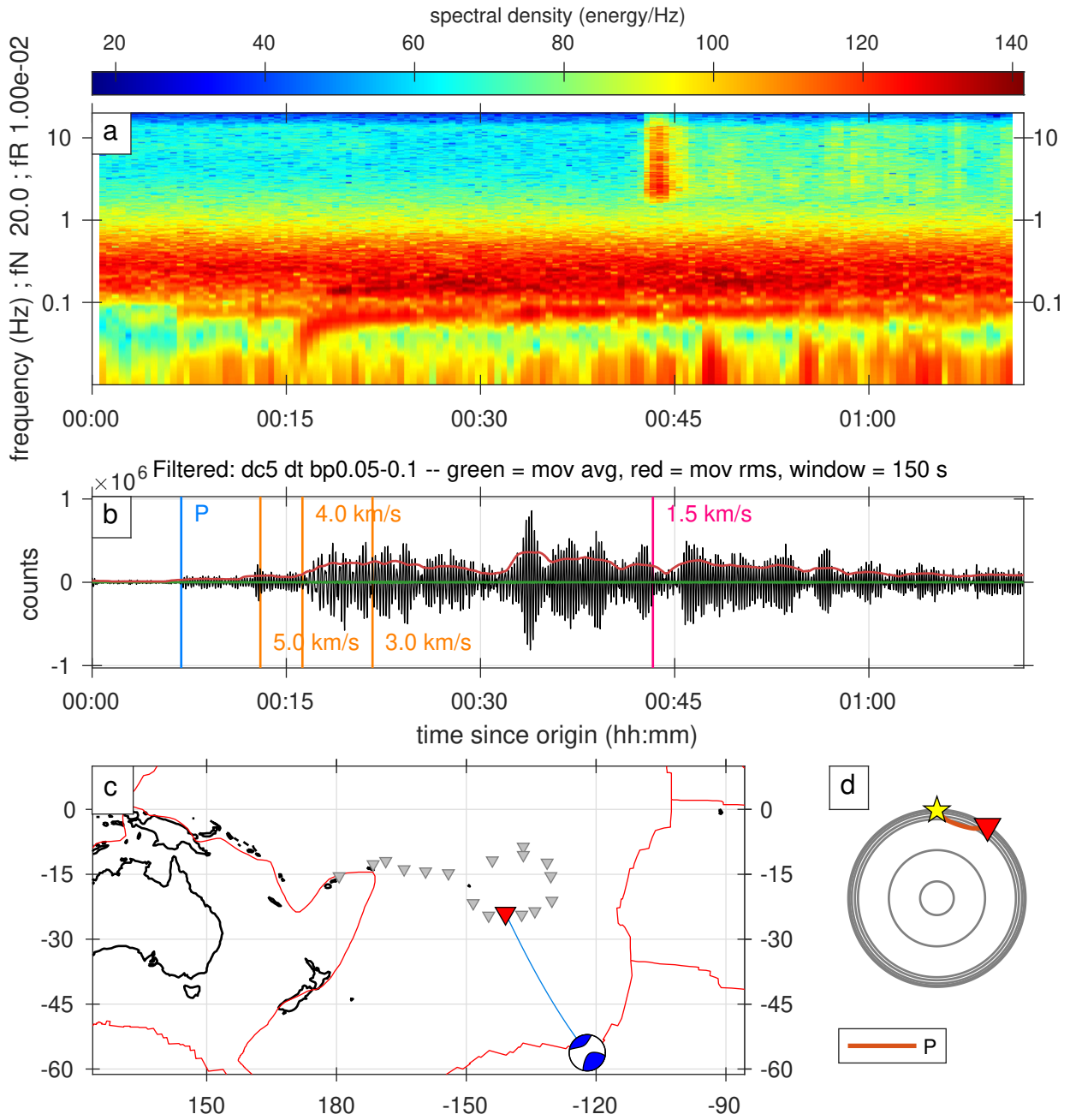


Figure S24. A full record of an earthquake classified as 3stars category.

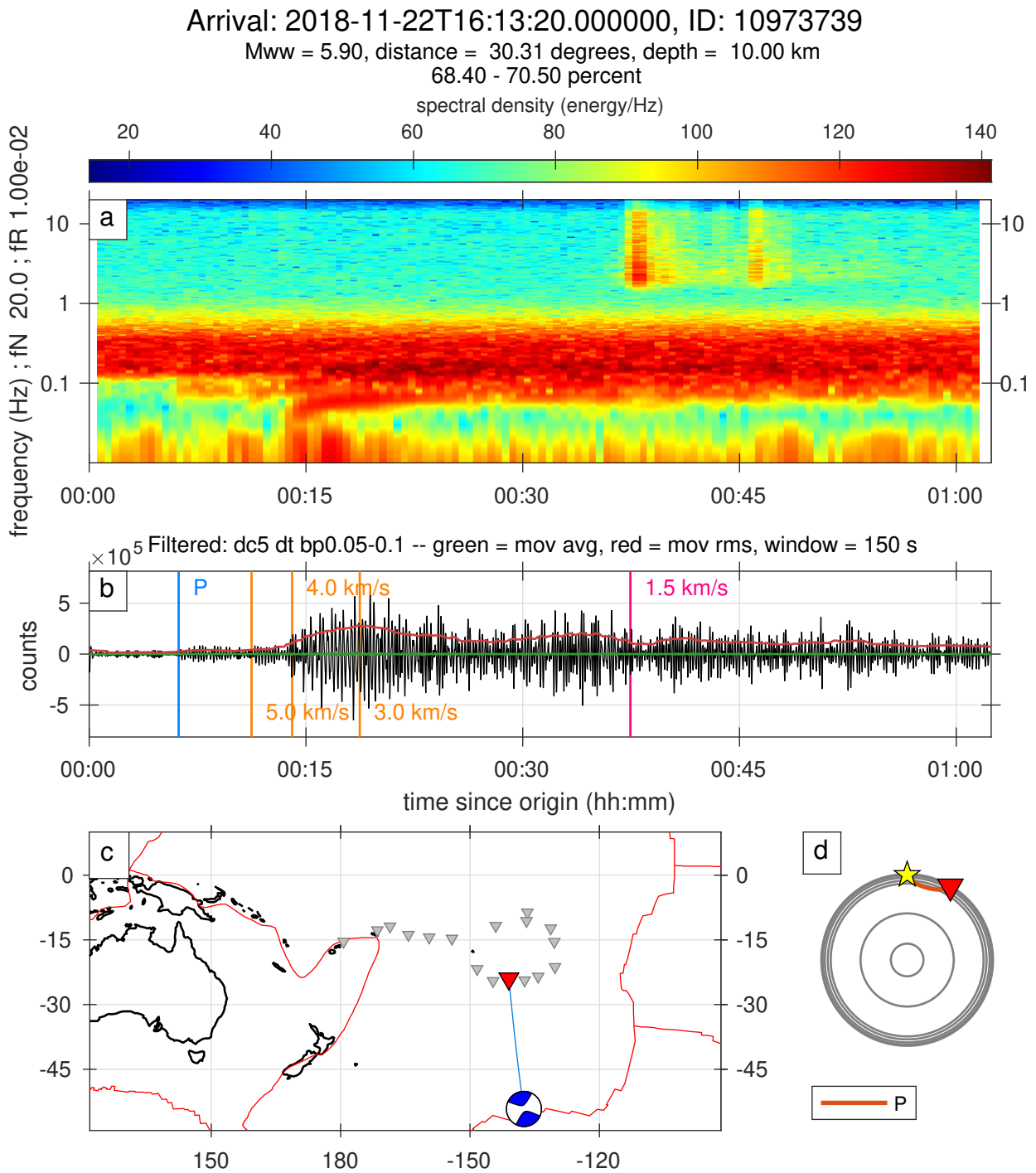


Figure S25. A full record of an earthquake classified as 3stars category.

Arrival: 2018-11-24T23:52:00.000000, ID: 10974269

Mww = 5.80, distance = 48.27 degrees, depth = 10.00 km

34.57 - 36.51 percent

spectral density (energy/Hz)

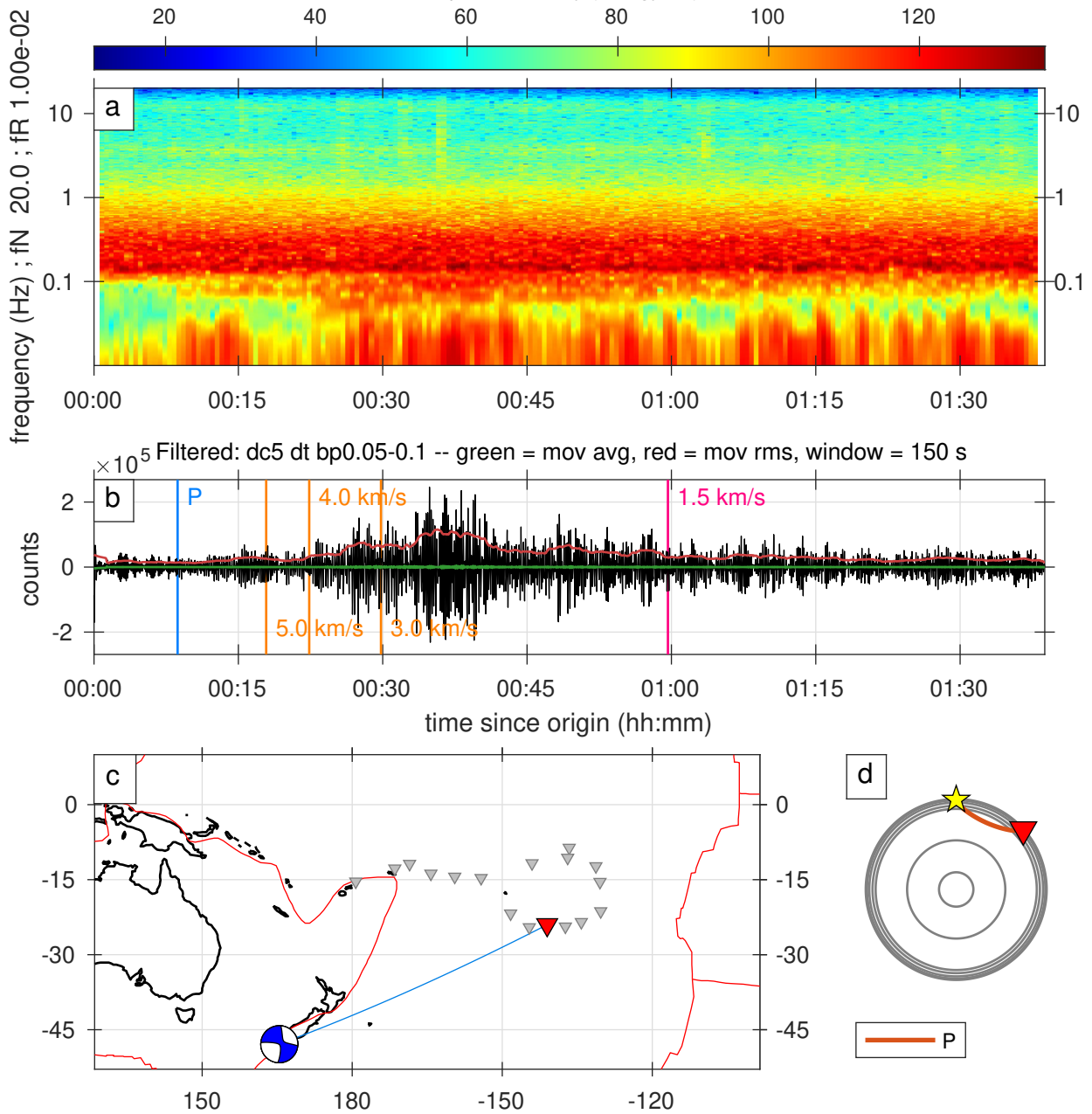


Figure S26. A full record of an earthquake classified as 3stars category.

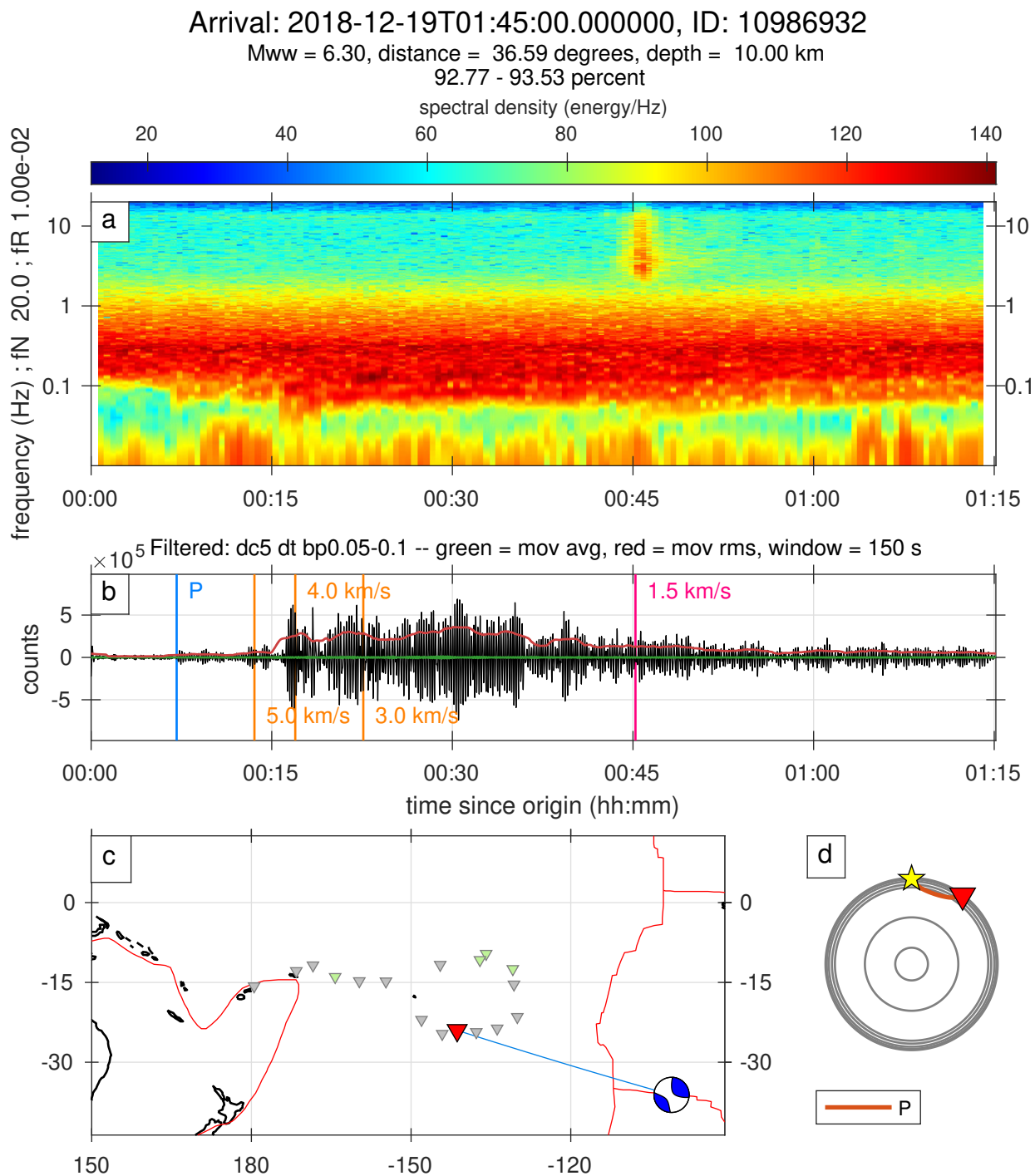


Figure S27. A full record of an earthquake classified as 3stars category.

Arrival: 2018-12-20T17:15:00.000000, ID: 10987513

mww = 7.30, distance = 91.50 degrees, depth = 16.56 km

14.00 - 22.80 percent

spectral density (energy/Hz)

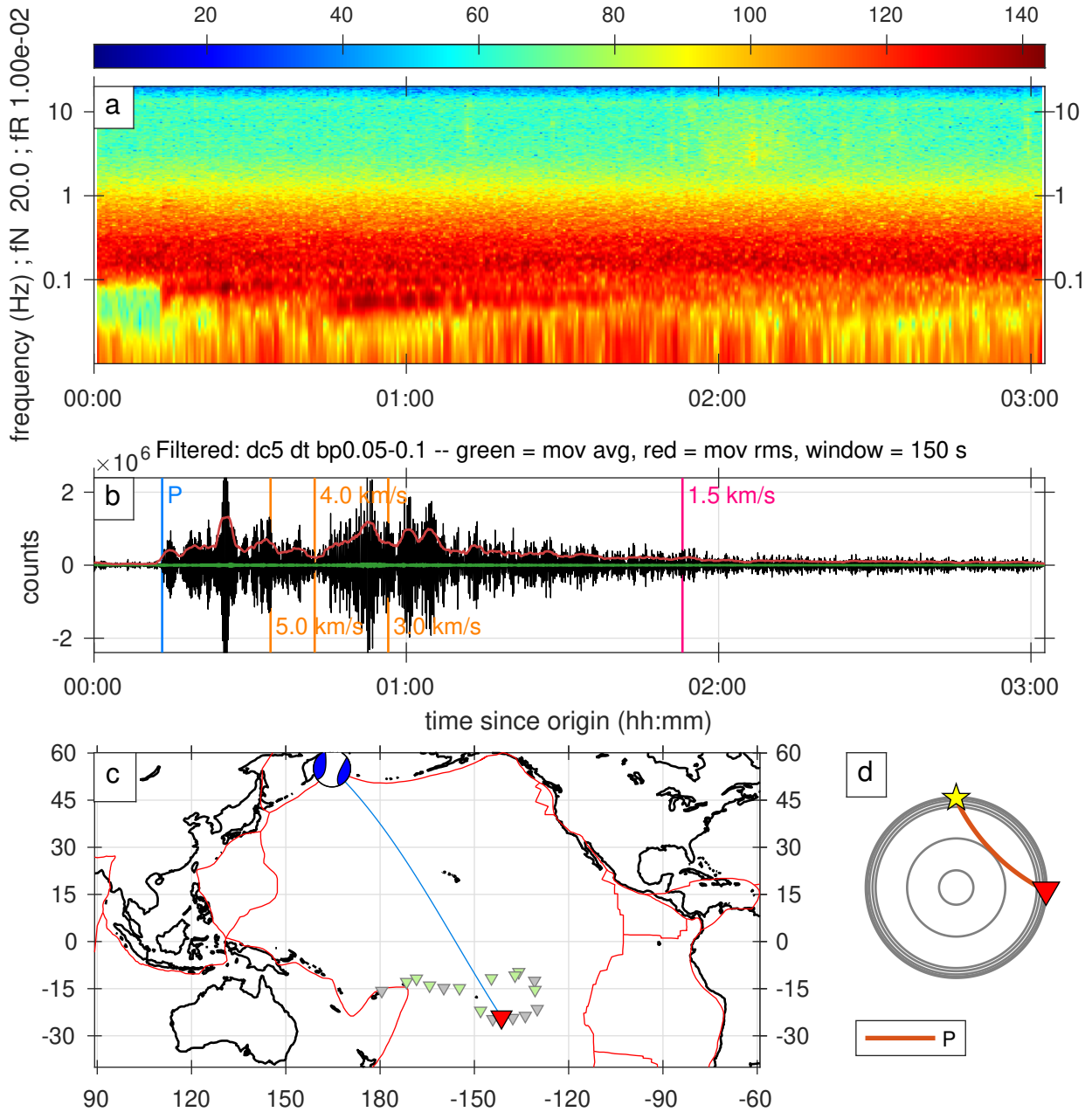


Figure S28. A full record of an earthquake classified as 3stars category.

Arrival: 2019-01-15T18:15:20.000000, ID: 10996154

mww = 6.60, distance = 49.36 degrees, depth = 35.00 km

21.69 - 23.92 percent

spectral density (energy/Hz)

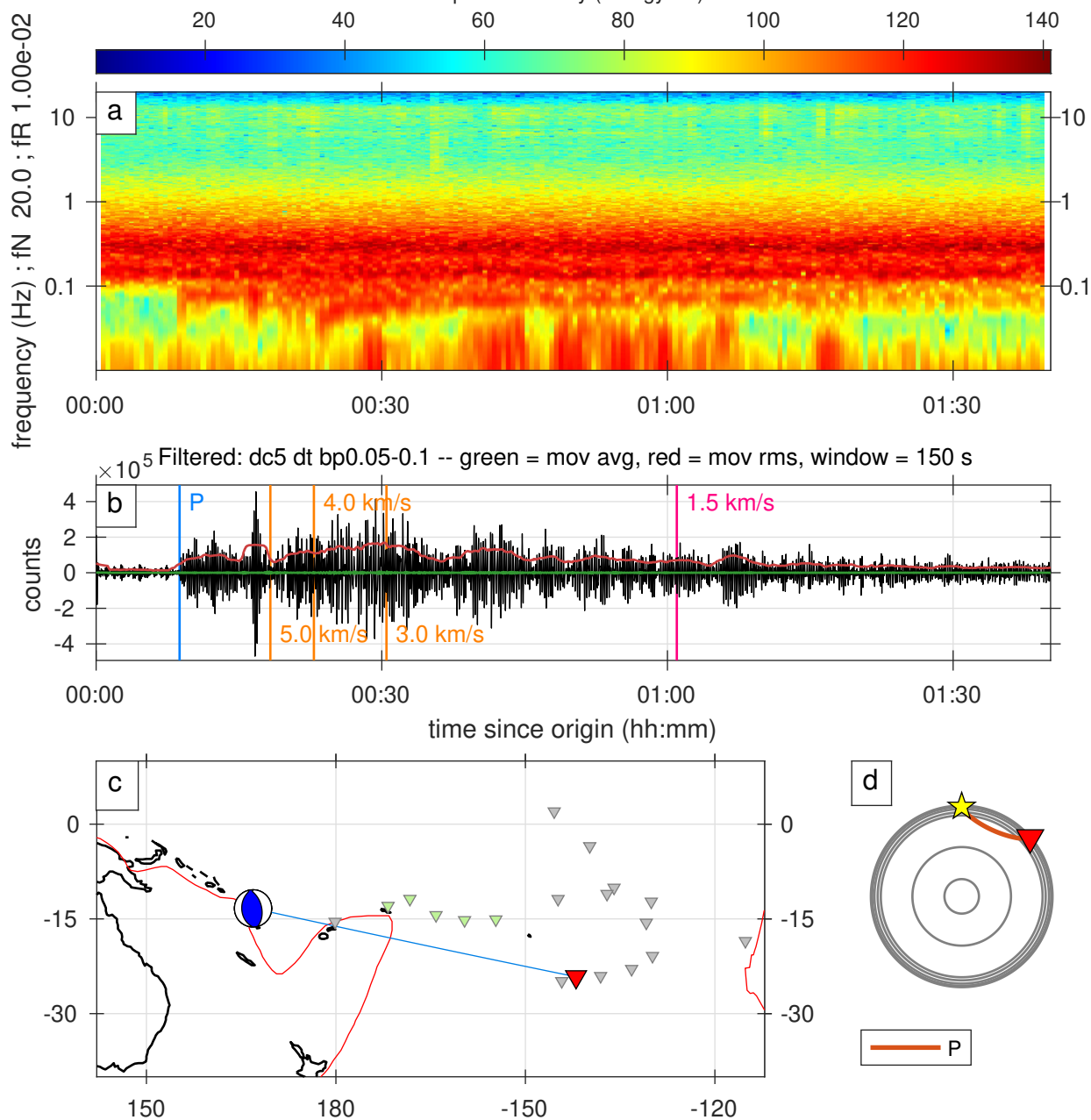


Figure S29. A full record of an earthquake classified as 3stars category.

Arrival: 2019-01-22T19:16:00.000000, ID: 10998373

Mww = 6.70, distance = 112.55 degrees, depth = 13.00 km
28.55 - 38.28 percent

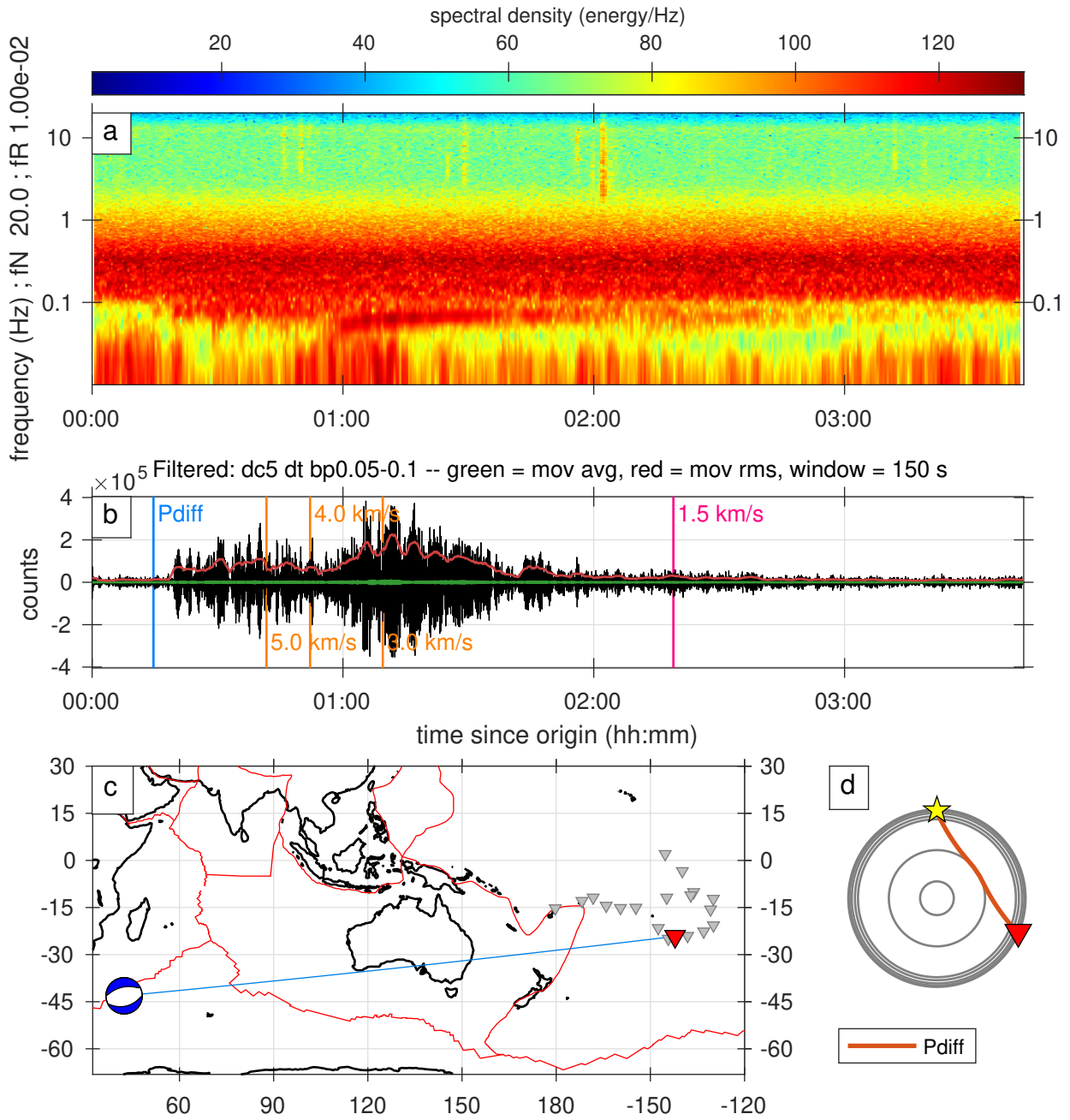


Figure S30. A full record of an earthquake classified as 3stars category.

Arrival: 2019-04-16T09:29:04.483737, ID: 11026352

Mww = 5.80, distance = 32.59 degrees, depth = 10.00 km

32.45 - 33.13 percent

spectral density (energy/Hz)

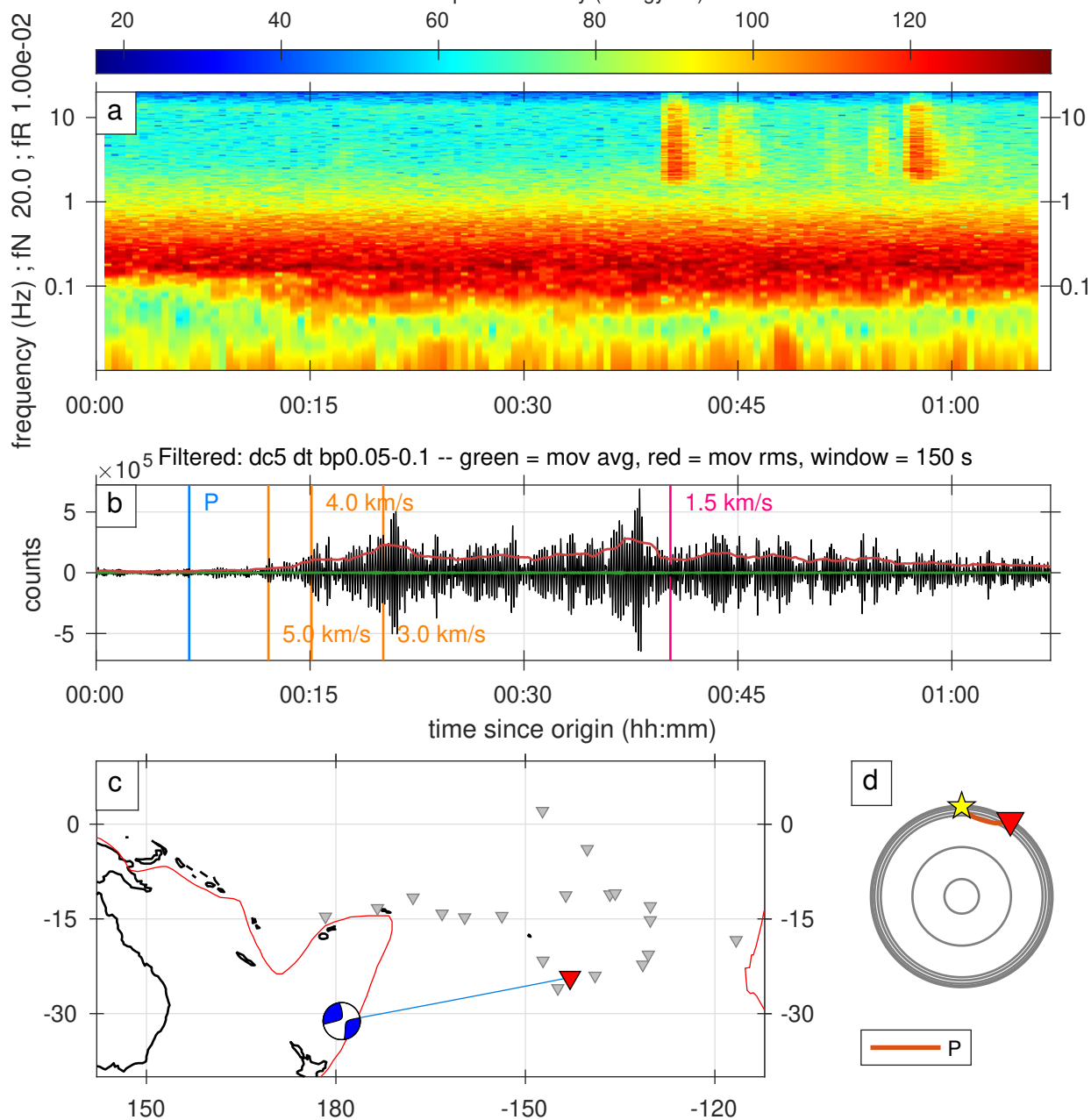


Figure S31. A full record of an earthquake classified as 3stars category.

Arrival: 2019-05-14T13:09:15.000000, ID: 11037207

Mww = 7.50, distance = 64.81 degrees, depth = 10.00 km

81.55 - 84.02 percent

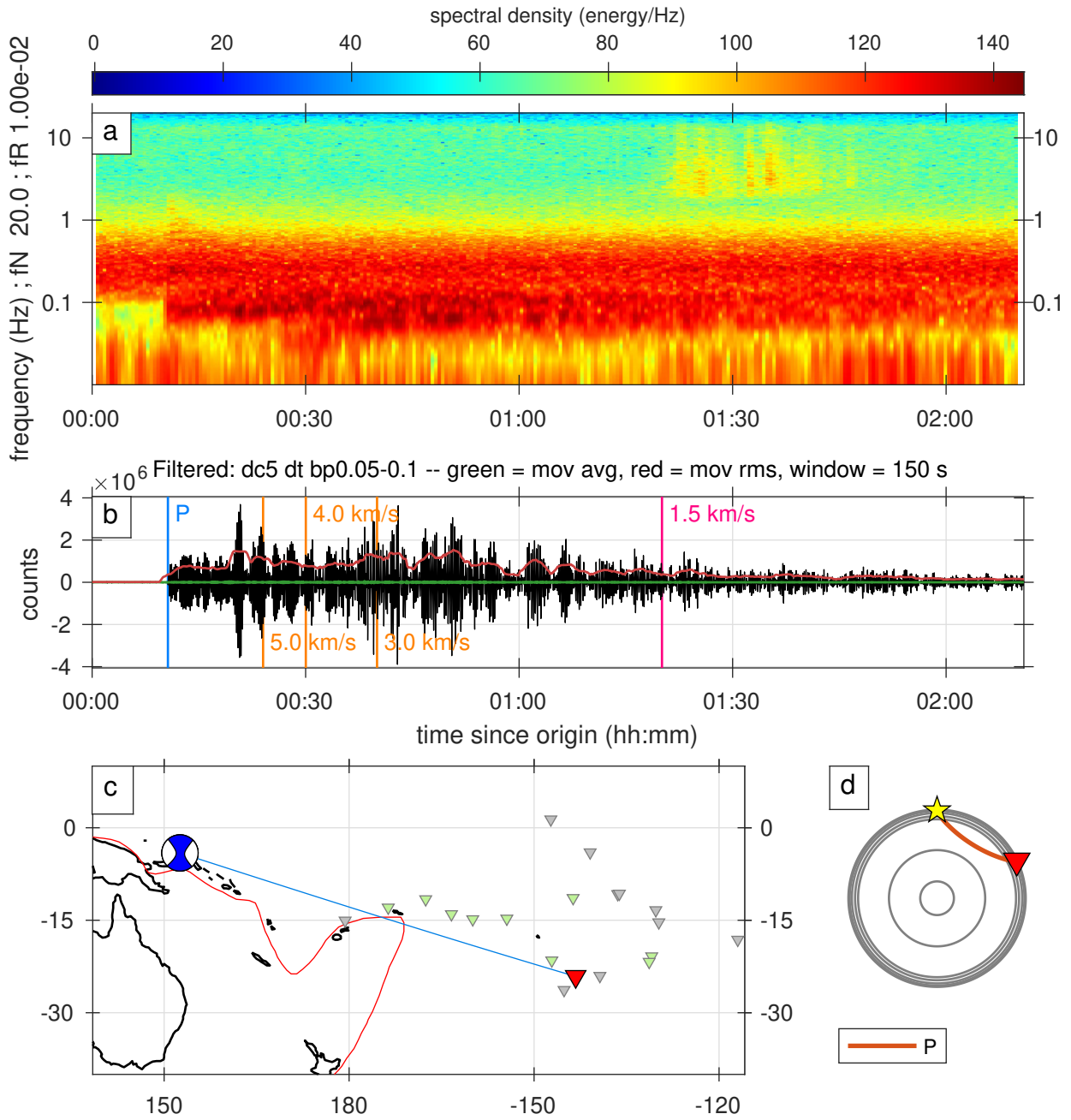


Figure S32. A full record of an earthquake classified as 3stars category.

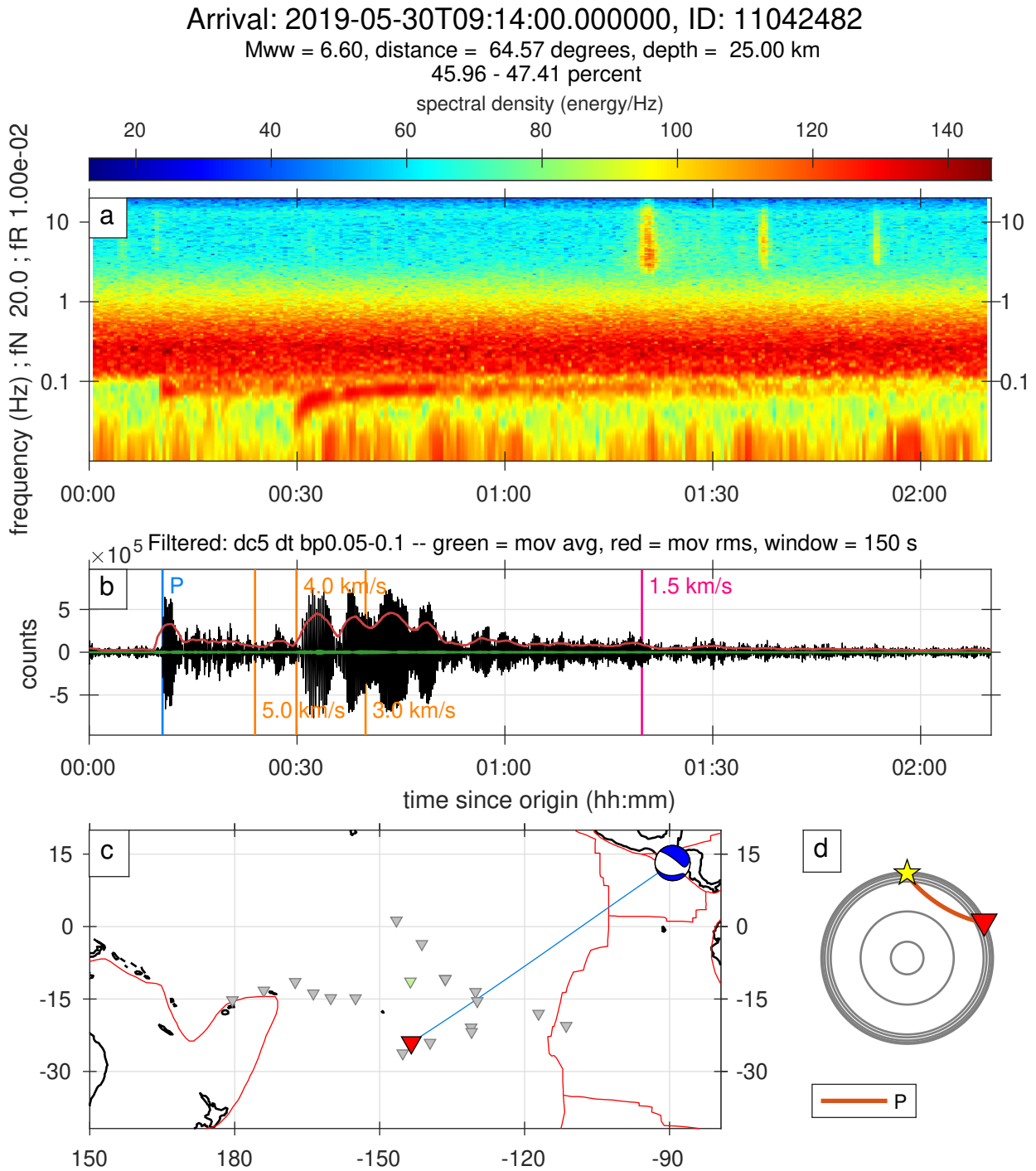


Figure S33. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-02T10:42:20.000000, ID: 11043682

Mww = 6.00, distance = 28.17 degrees, depth = 10.00 km

94.92 - 95.56 percent

spectral density (energy/Hz)

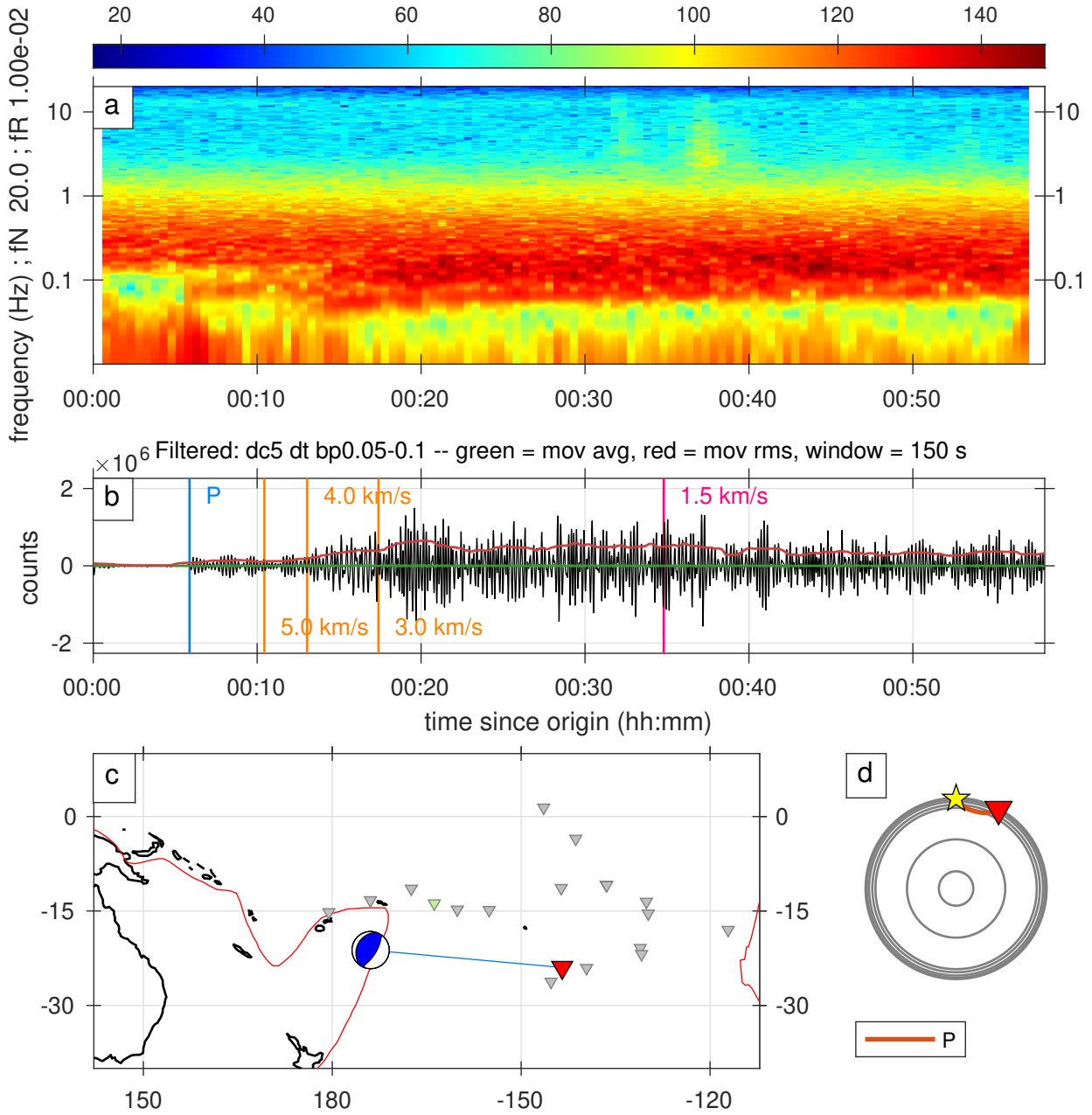


Figure S34. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-14T00:29:40.000000, ID: 11048697

Mww = 6.40, distance = 62.97 degrees, depth = 11.00 km

28.63 - 31.81 percent

spectral density (energy/Hz)

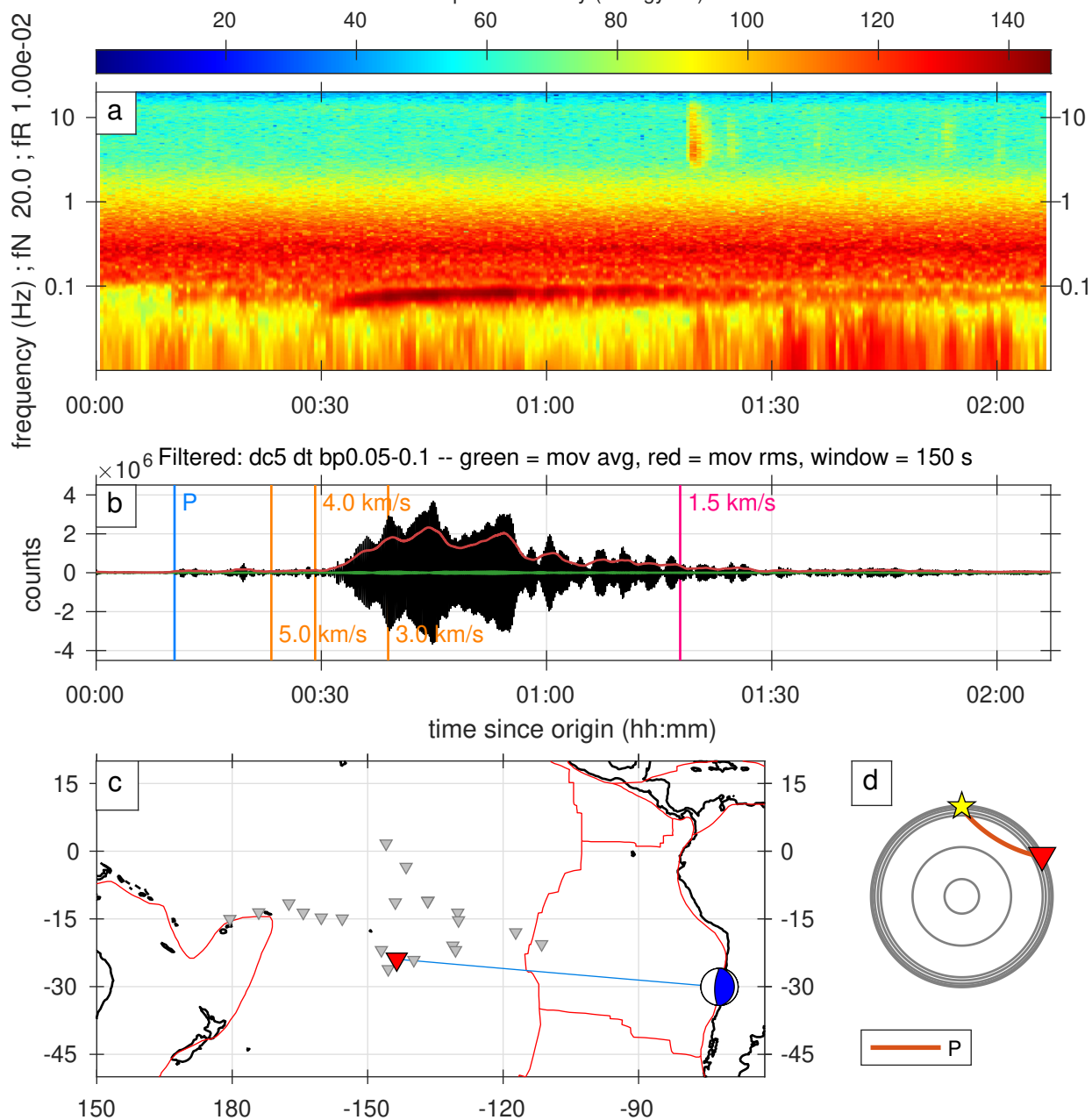


Figure S35. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-15T22:02:00.000000, ID: 11049511

Mww = 6.10, distance = 28.36 degrees, depth = 13.00 km

97.11 - 98.58 percent

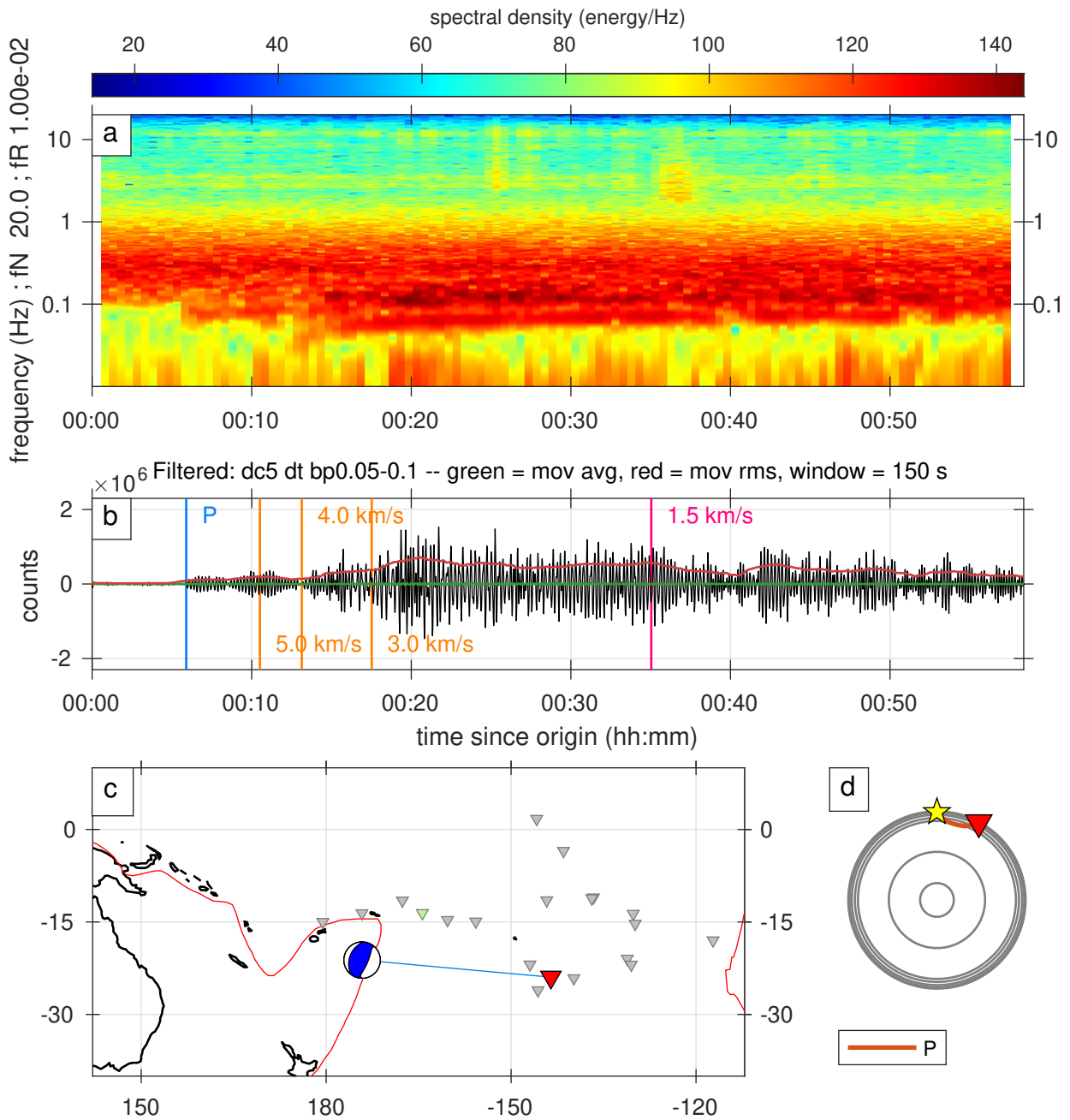


Figure S36. A full record of an earthquake classified as 3stars category.

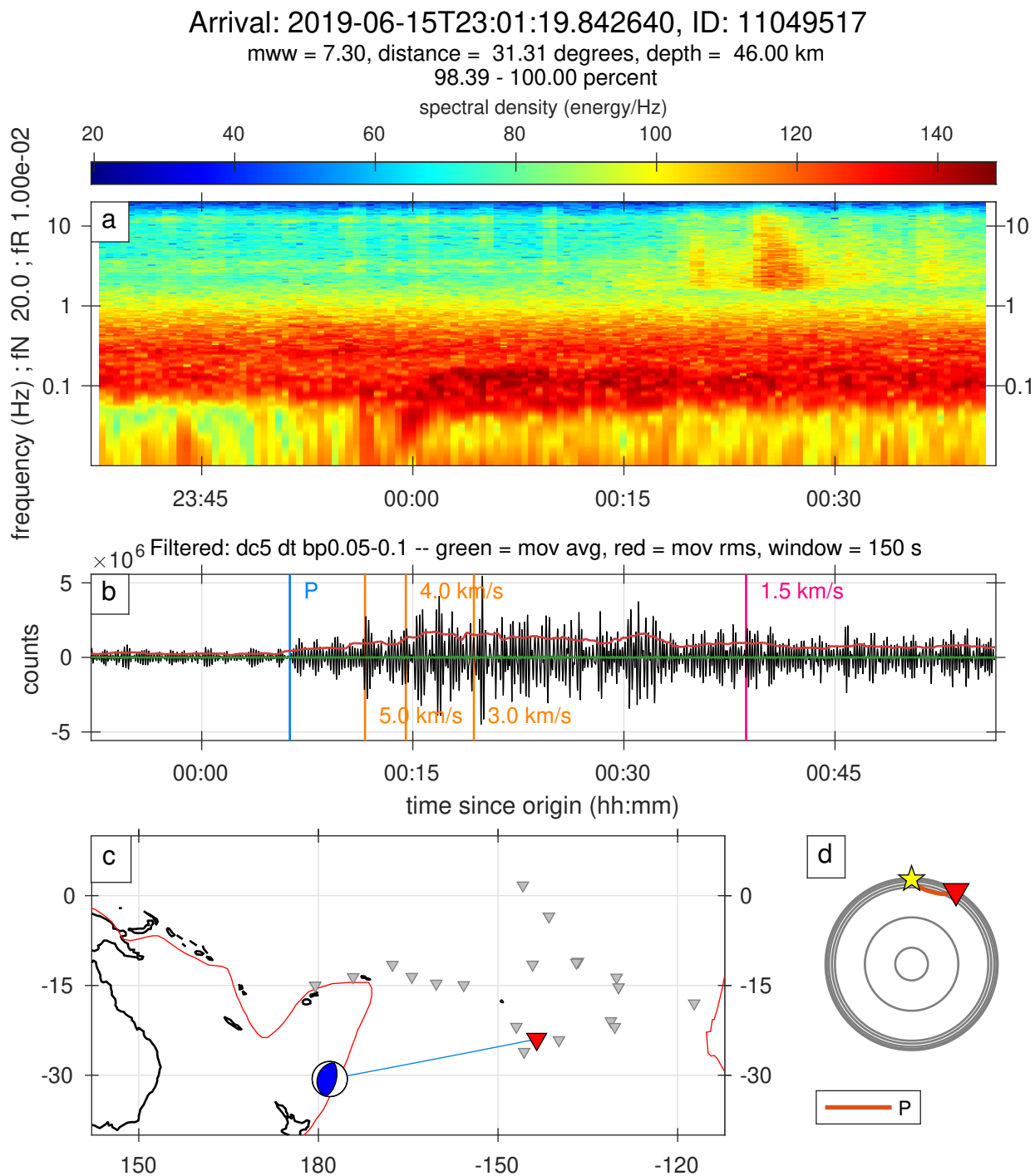


Figure S37. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-16T05:23:30.000000, ID: 11049599

Mww = 6.30, distance = 31.32 degrees, depth = 31.52 km
4.84 - 5.80 percent

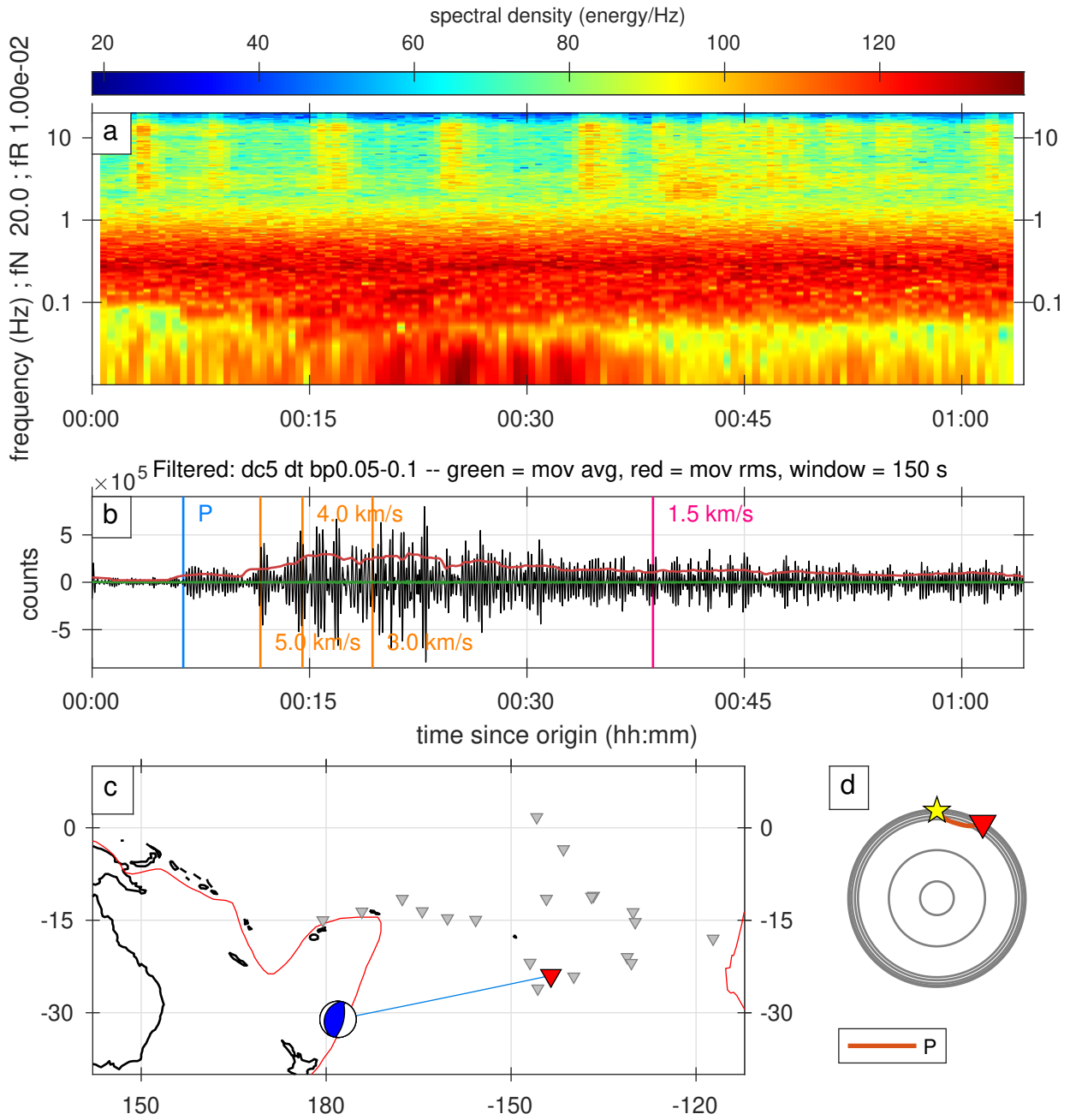


Figure S38. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-17T06:08:15.000000, ID: 11049903

Mww = 6.00, distance = 30.89 degrees, depth = 16.00 km

27.00 - 27.94 percent

spectral density (energy/Hz)

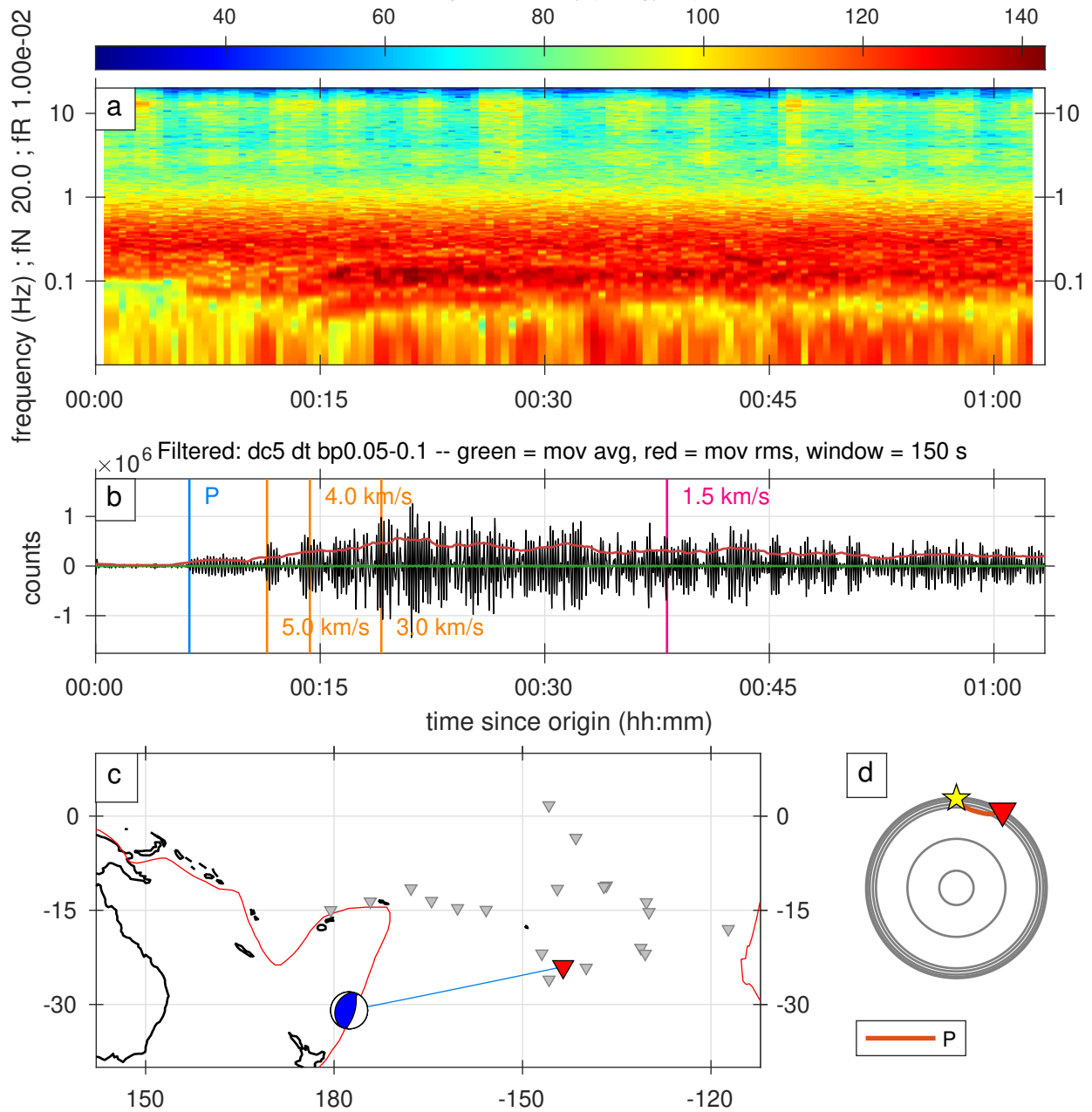


Figure S39. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-18T16:11:20.000000, ID: 11050483

Mww = 5.90, distance = 30.86 degrees, depth = 15.00 km

57.48 - 58.42 percent

spectral density (energy/Hz)

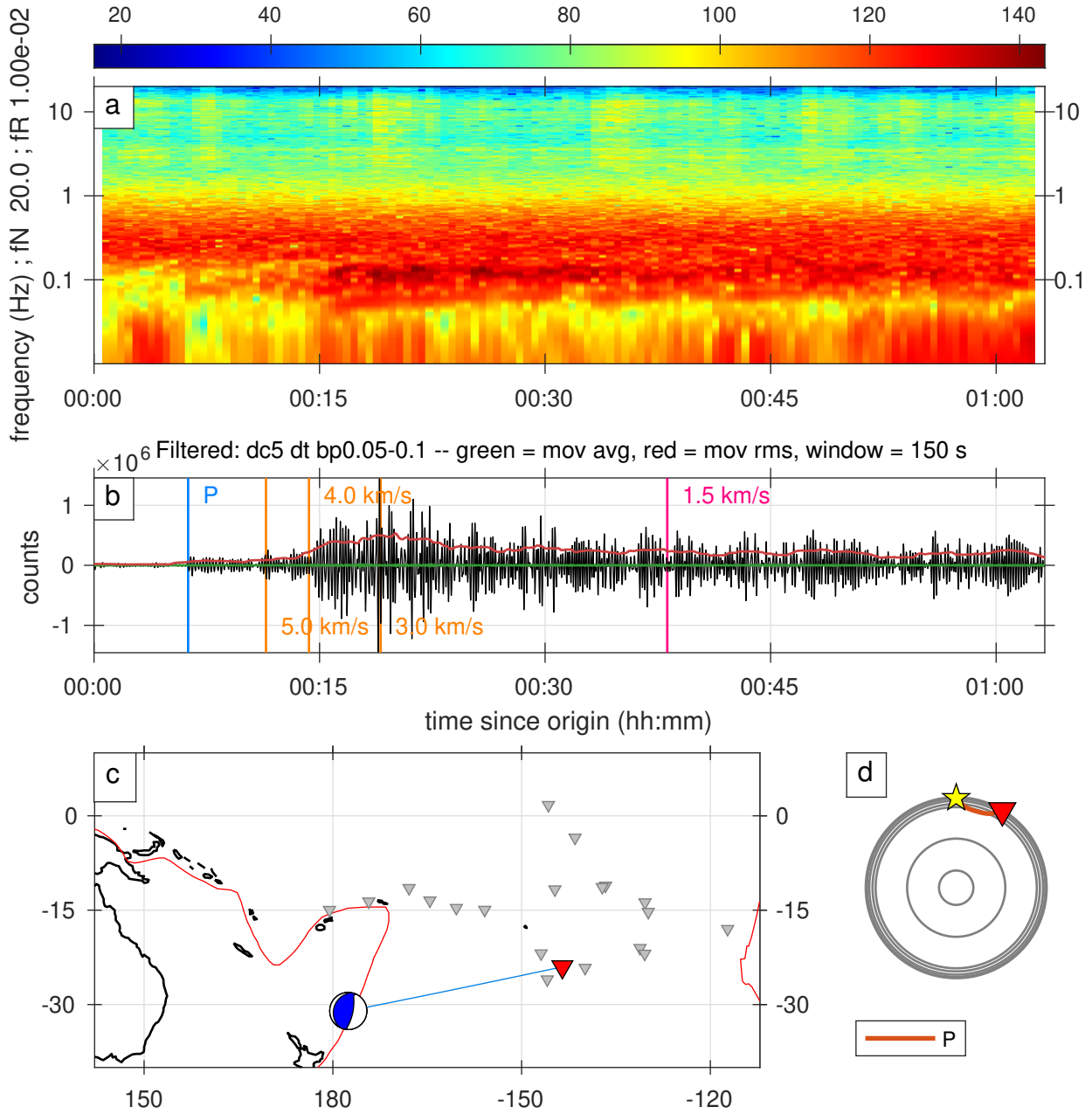


Figure S40. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-19T07:08:00.000000, ID: 11050823

Mww = 6.40, distance = 31.03 degrees, depth = 10.00 km

70.85 - 71.80 percent

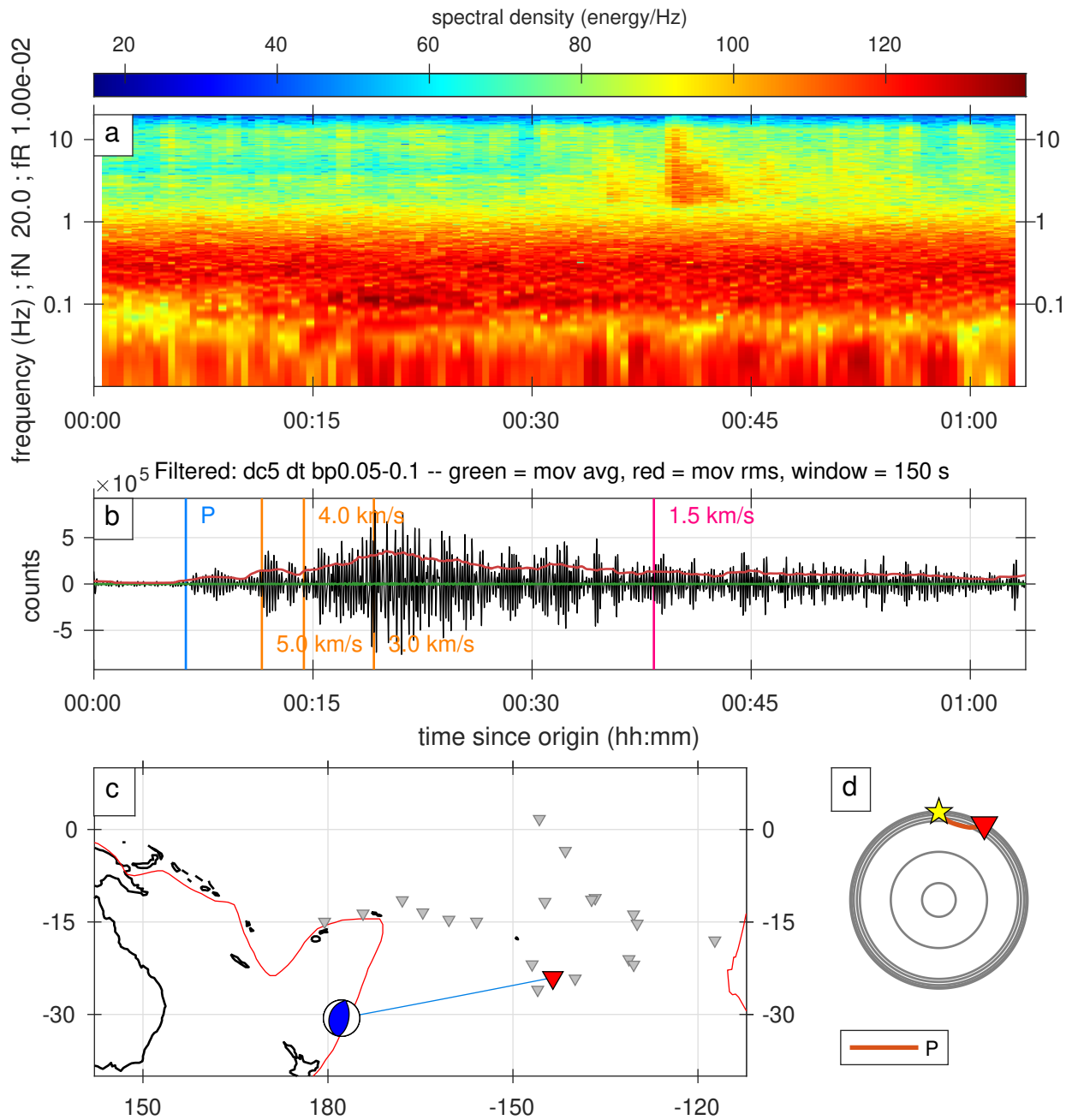


Figure S41. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-19T17:36:50.000000, ID: 11050987

Mww = 6.30, distance = 78.16 degrees, depth = 10.00 km

80.15 - 82.49 percent

spectral density (energy/Hz)

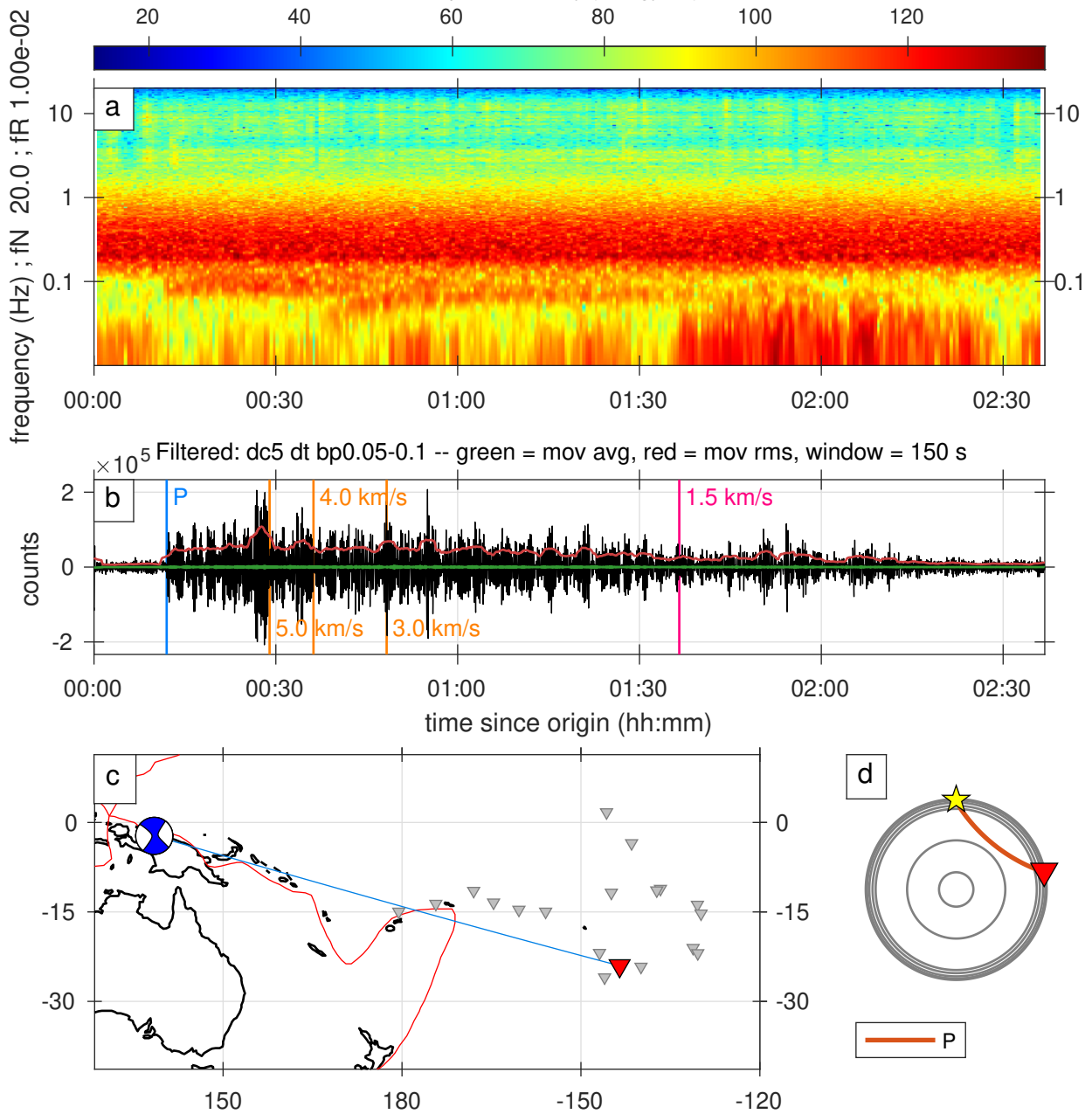


Figure S42. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-24T03:05:40.000000, ID: 11052554

mww = 7.30, distance = 84.96 degrees, depth = 212.00 km

125.50 - 679.76 percent

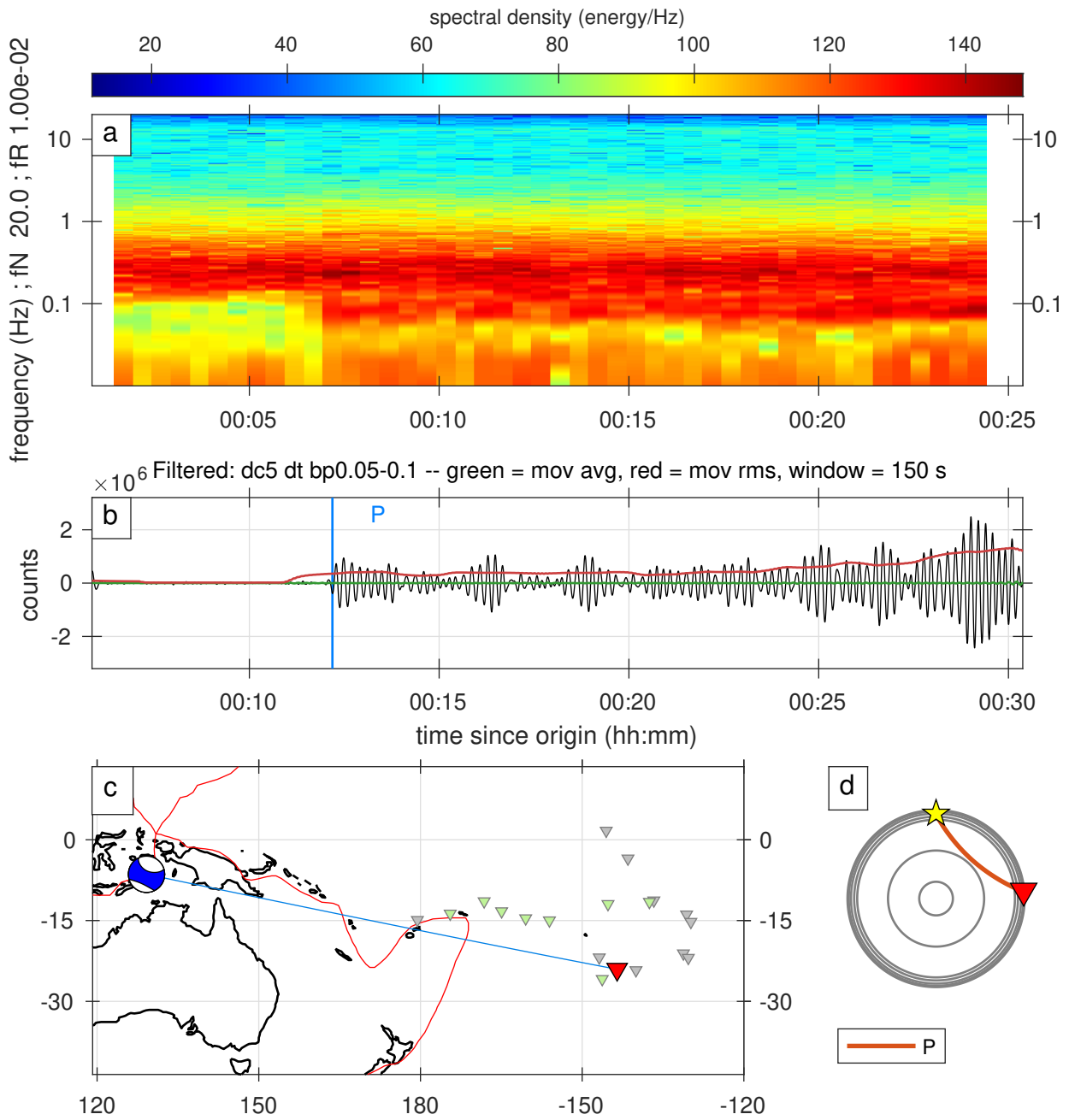


Figure S43. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-24T11:38:00.000000, ID: 11052627

Mww = 5.90, distance = 30.66 degrees, depth = 10.00 km
18.66 - 20.97 percent

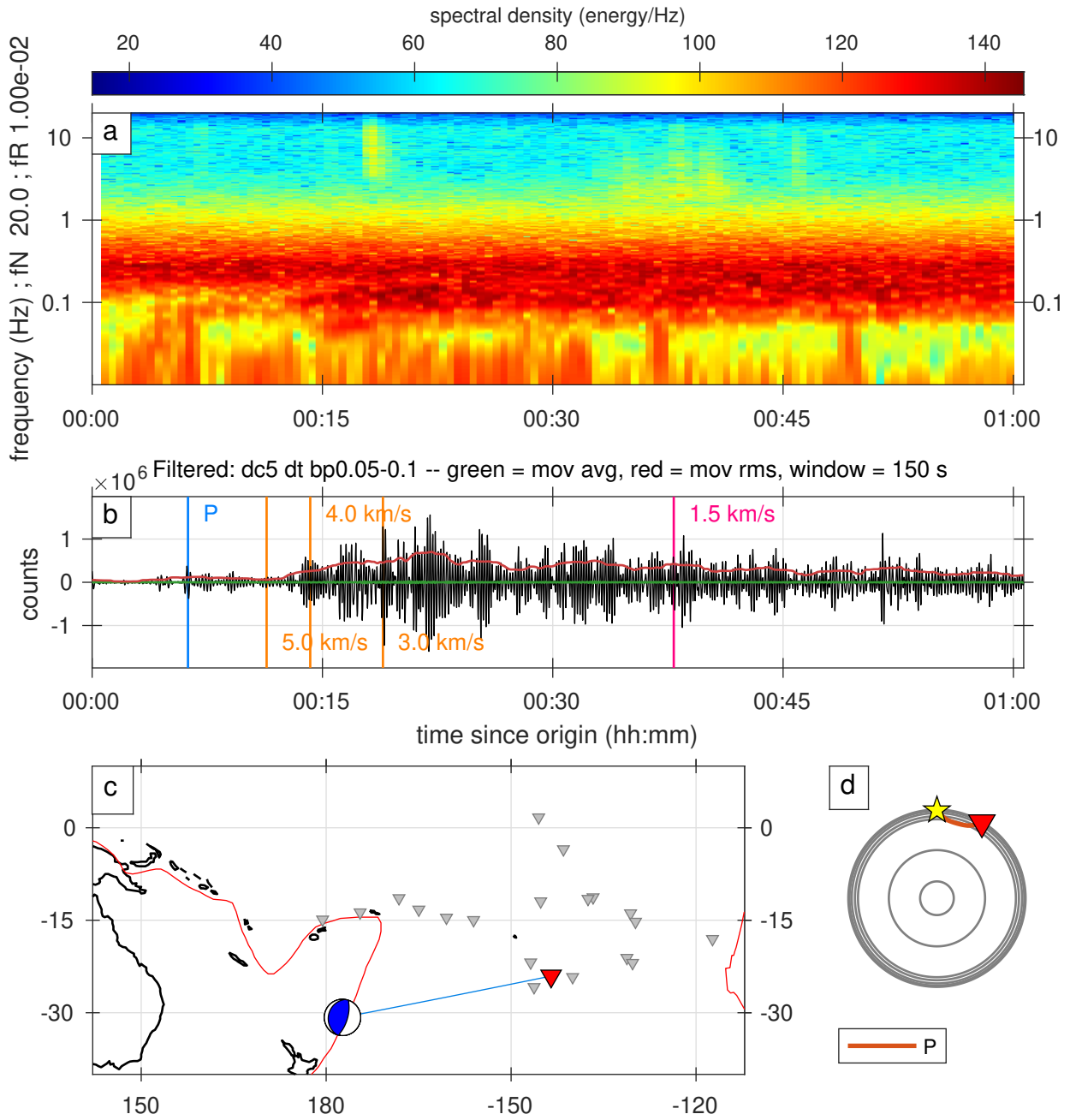


Figure S44. A full record of an earthquake classified as 3stars category.

Arrival: 2019-06-27T11:11:25.576885, ID: 11053874

Mww = 6.30, distance = 32.25 degrees, depth = 10.00 km

37.94 - 39.11 percent

spectral density (energy/Hz)

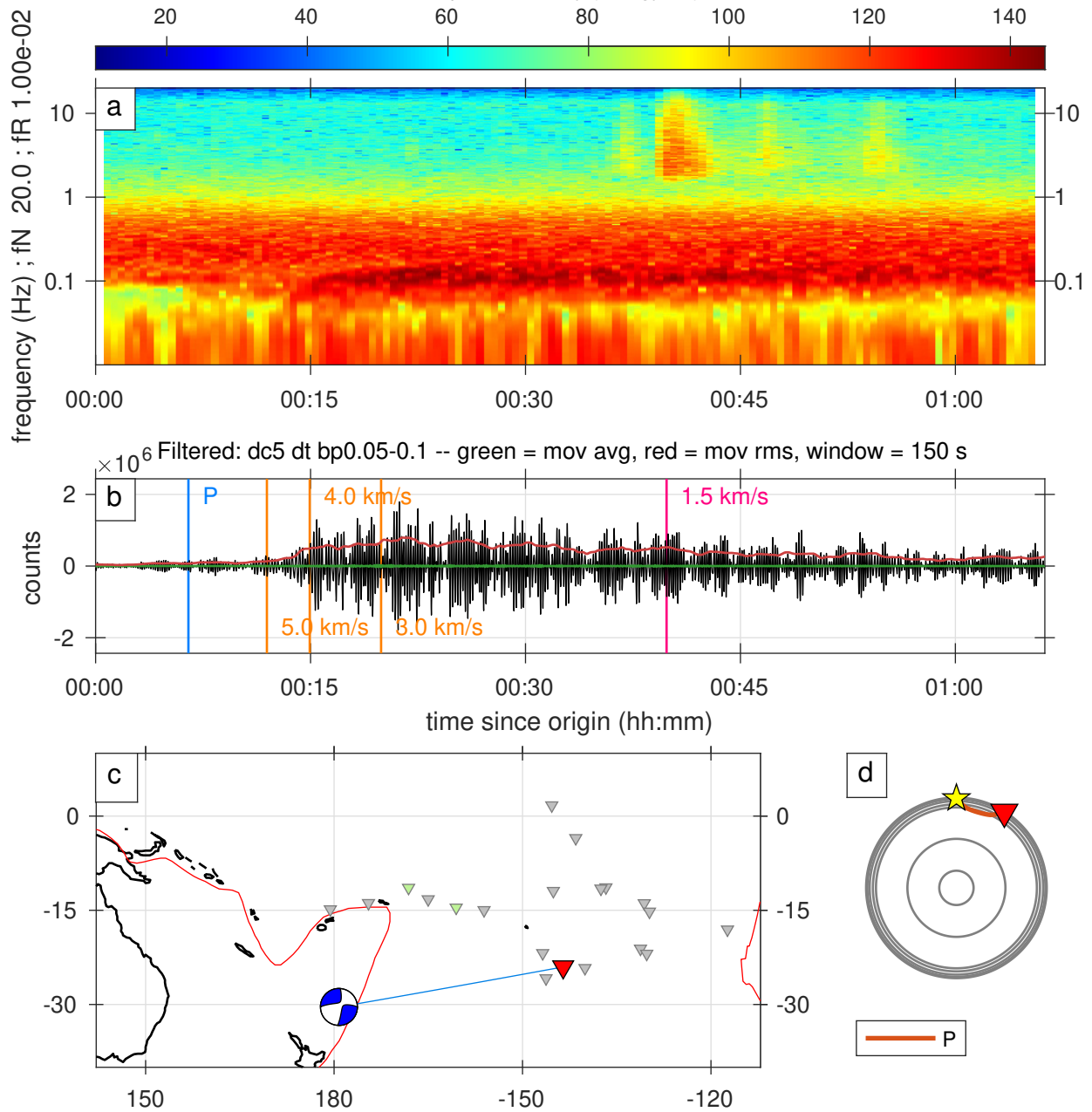


Figure S45. A full record of an earthquake classified as 3stars category.

Arrival: 2019-07-04T17:45:00.000000, ID: 11056847

mw = 6.40, distance = 64.56 degrees, depth = 10.71 km

27.44 - 34.85 percent

spectral density (energy/Hz)

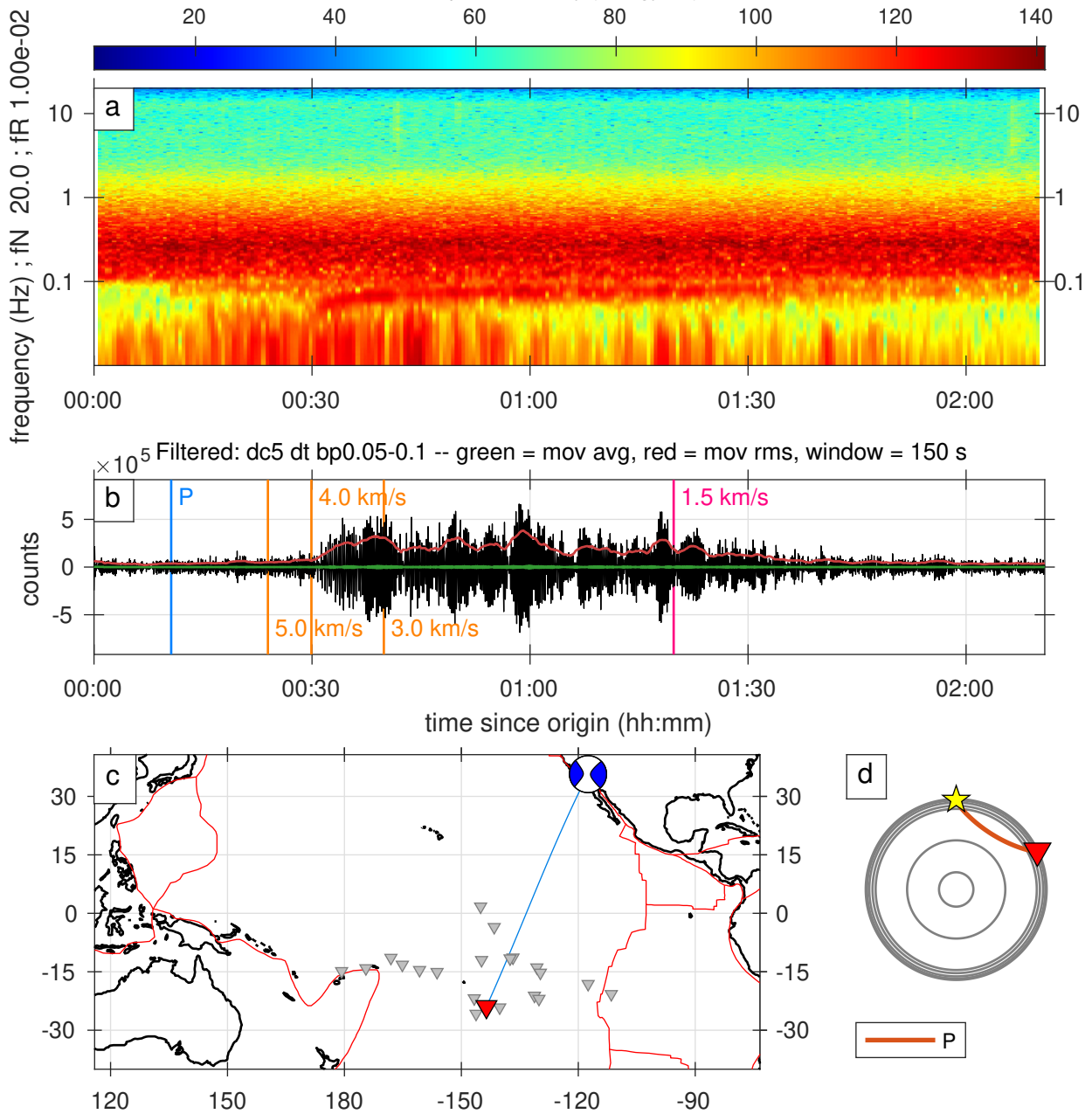


Figure S46. A full record of an earthquake classified as 3stars category.

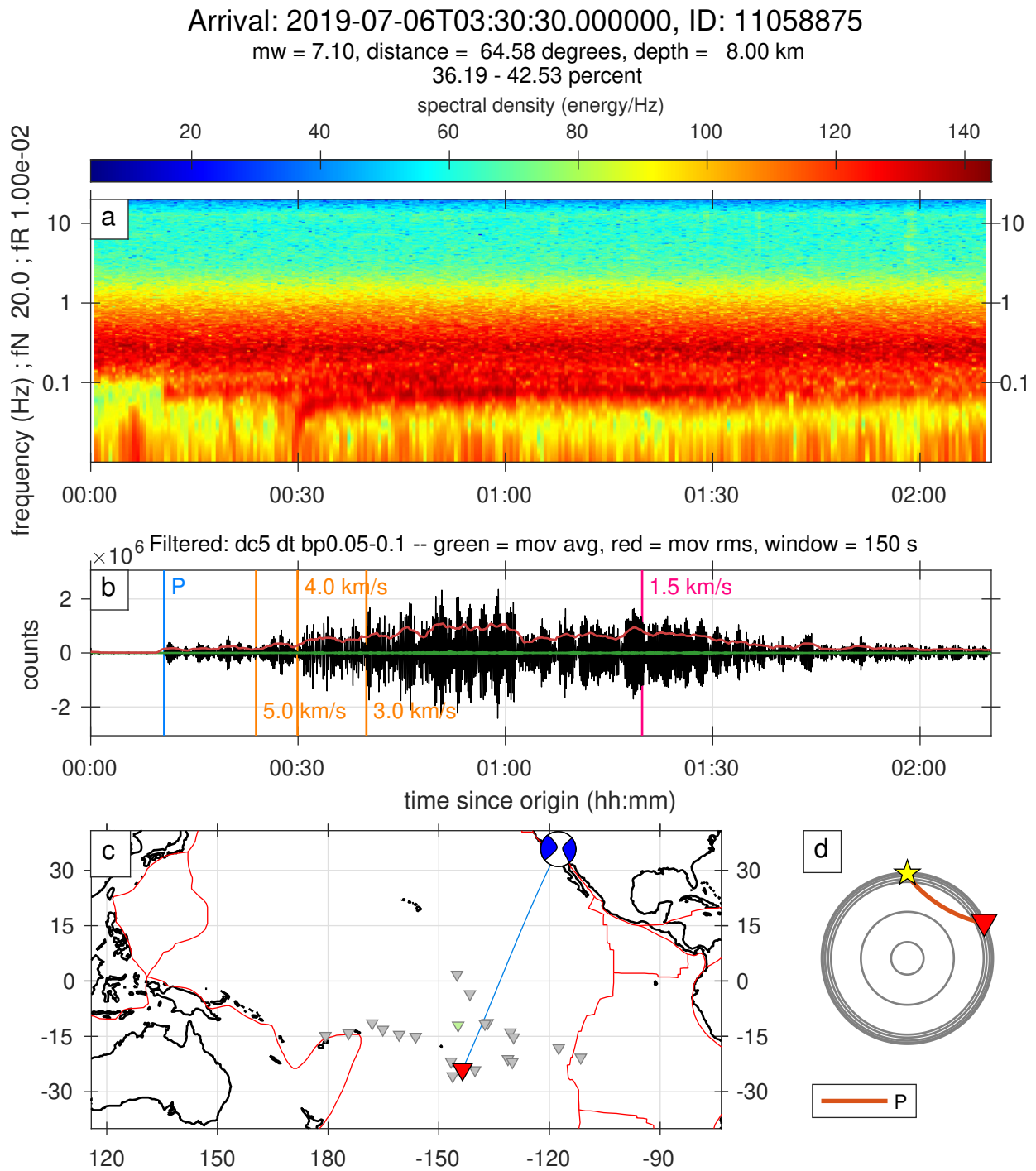


Figure S47. A full record of an earthquake classified as 3stars category.

Arrival: 2019-07-06T06:38:02.430051, ID: 11058978

mb = 5.50, distance = 29.49 degrees, depth = 10.00 km

45.54 - 48.49 percent

spectral density (energy/Hz)

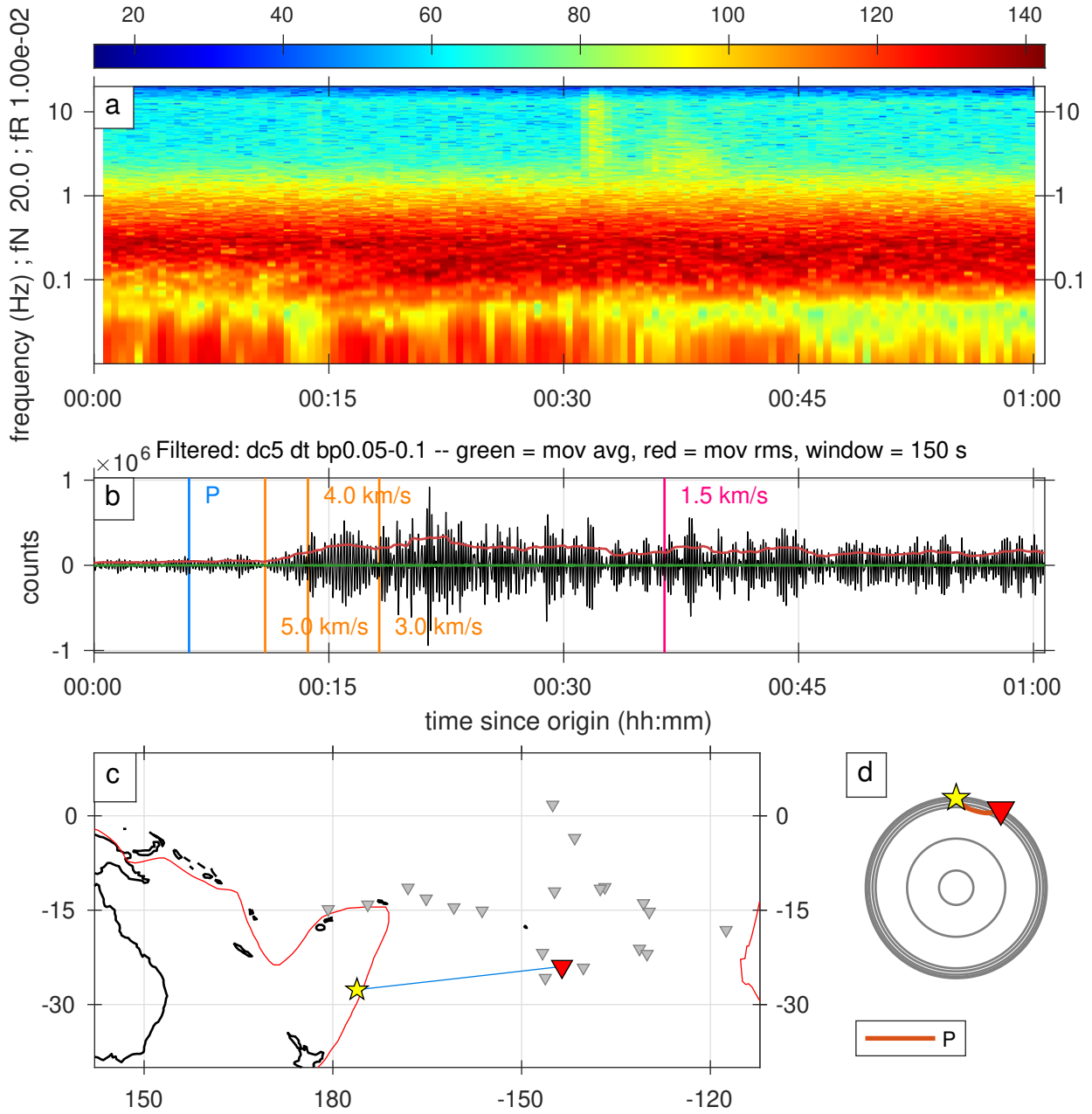


Figure S48. A full record of an earthquake classified as 3stars category.

Arrival: 2019-07-14T09:23:40.000000, ID: 11073718

Mww = 7.30, distance = 88.24 degrees, depth = 10.00 km

43.62 - 46.33 percent

spectral density (energy/Hz)

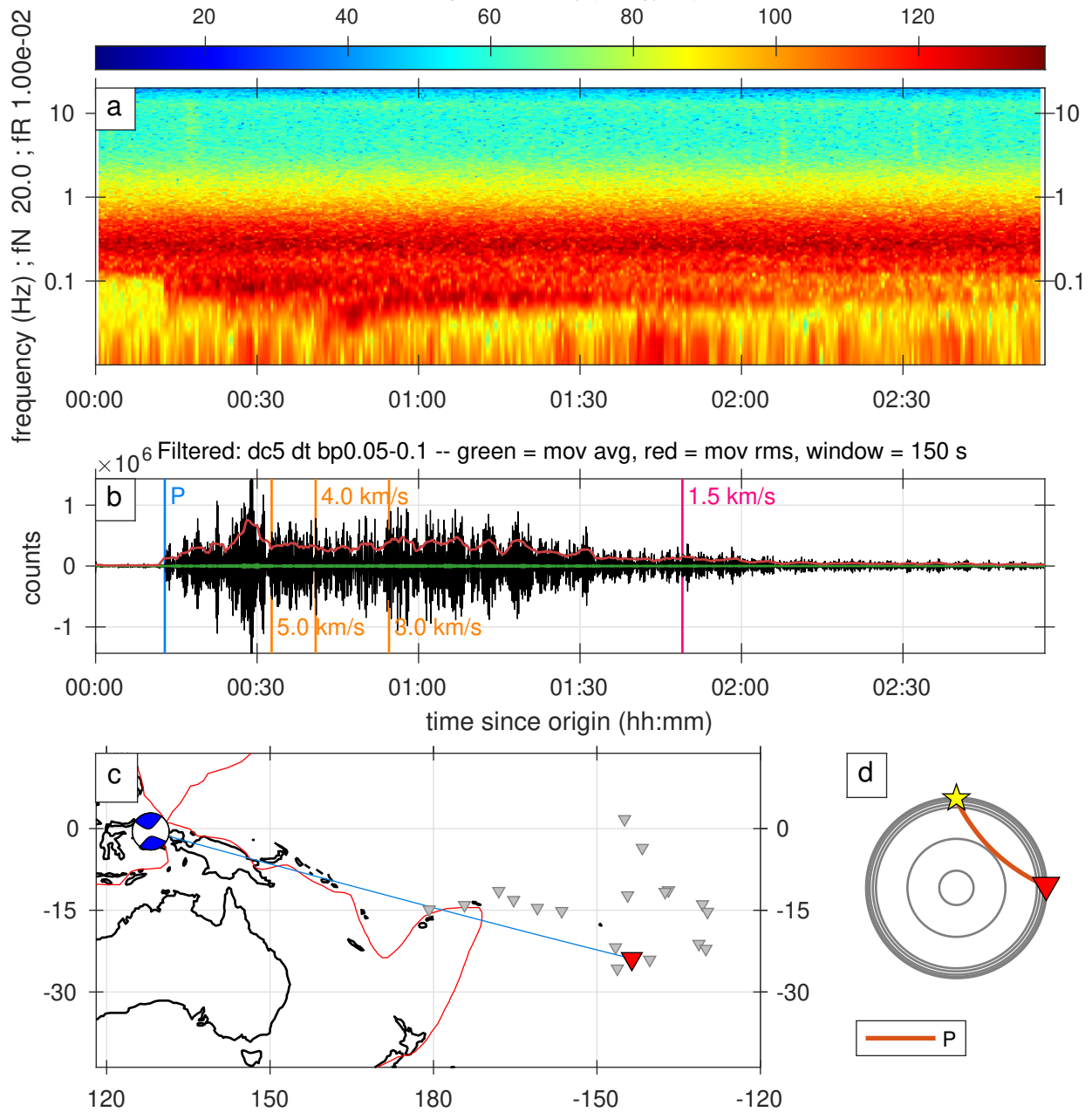


Figure S49. A full record of an earthquake classified as 3stars category.

Arrival: 2019-07-31T15:10:30.000000, ID: 11089506

mww = 6.60, distance = 45.99 degrees, depth = 181.00 km

12.53 - 16.79 percent

spectral density (energy/Hz)

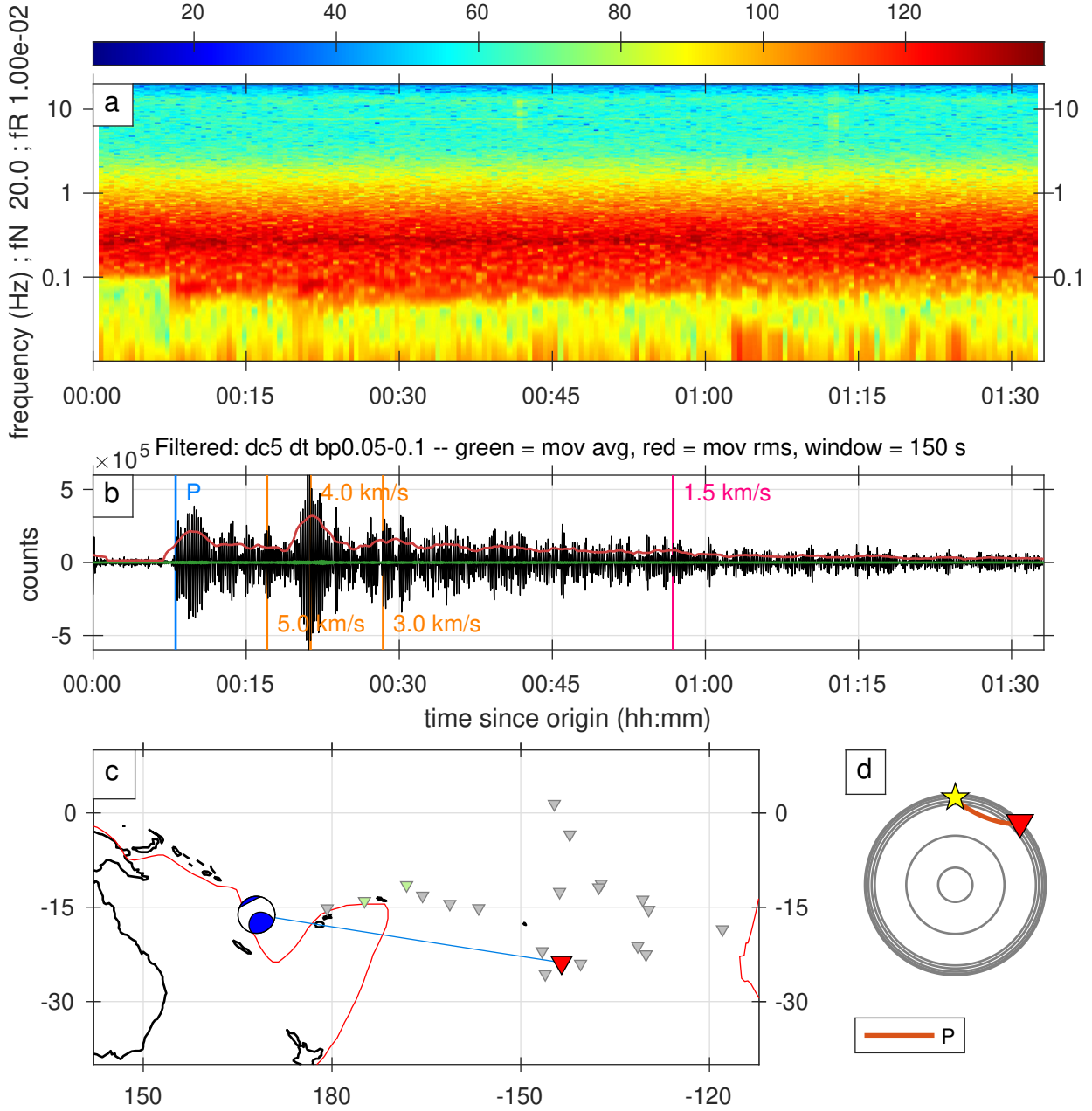


Figure S50. A full record of an earthquake classified as 3stars category.

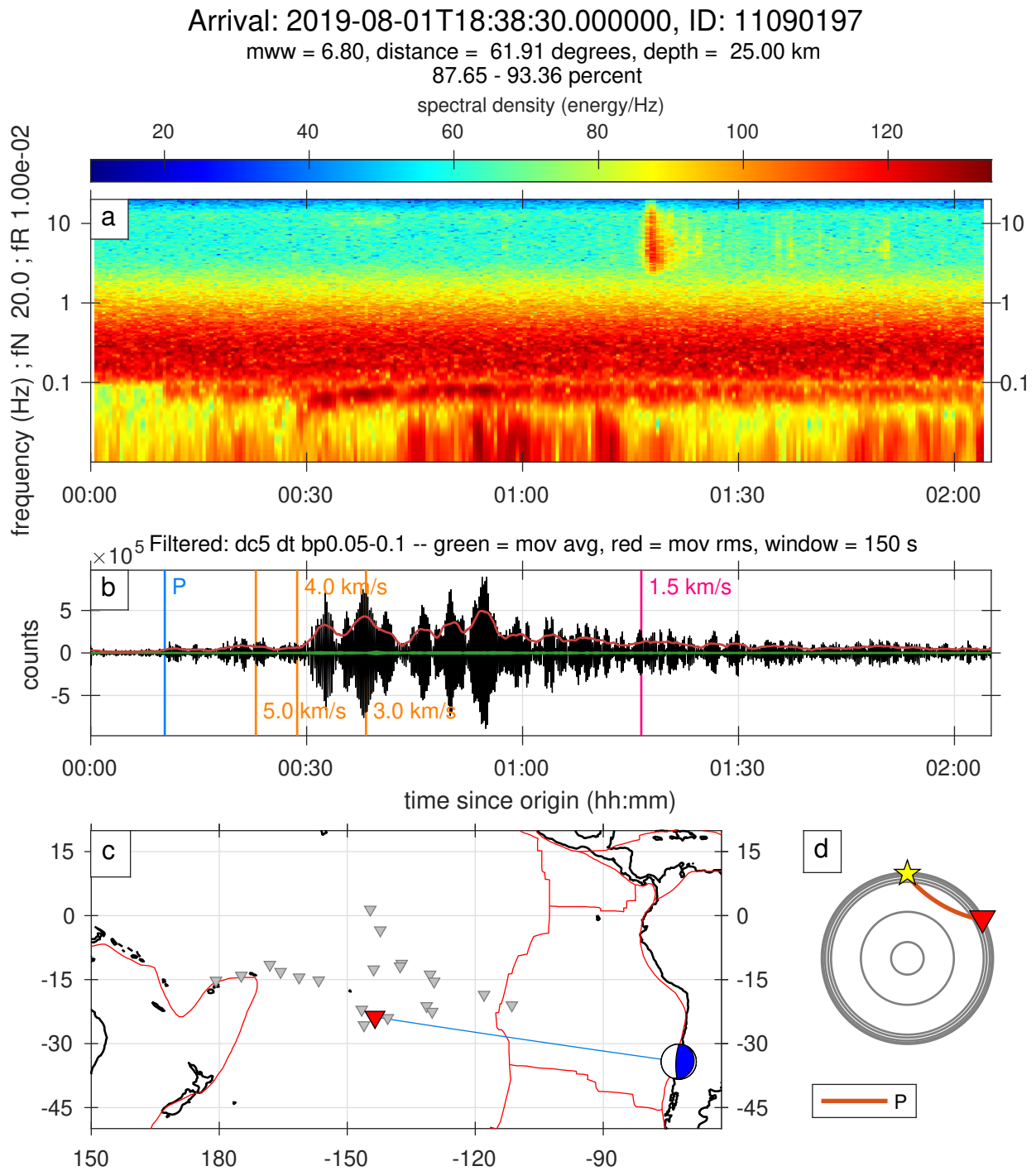


Figure S51. A full record of an earthquake classified as 3stars category.

Arrival: 2018-09-26T17:45:00.000000, ID: 10952325

Mww = 5.70, distance = 30.82 degrees, depth = 10.00 km

61.82 - 69.69 percent

spectral density (energy/Hz)

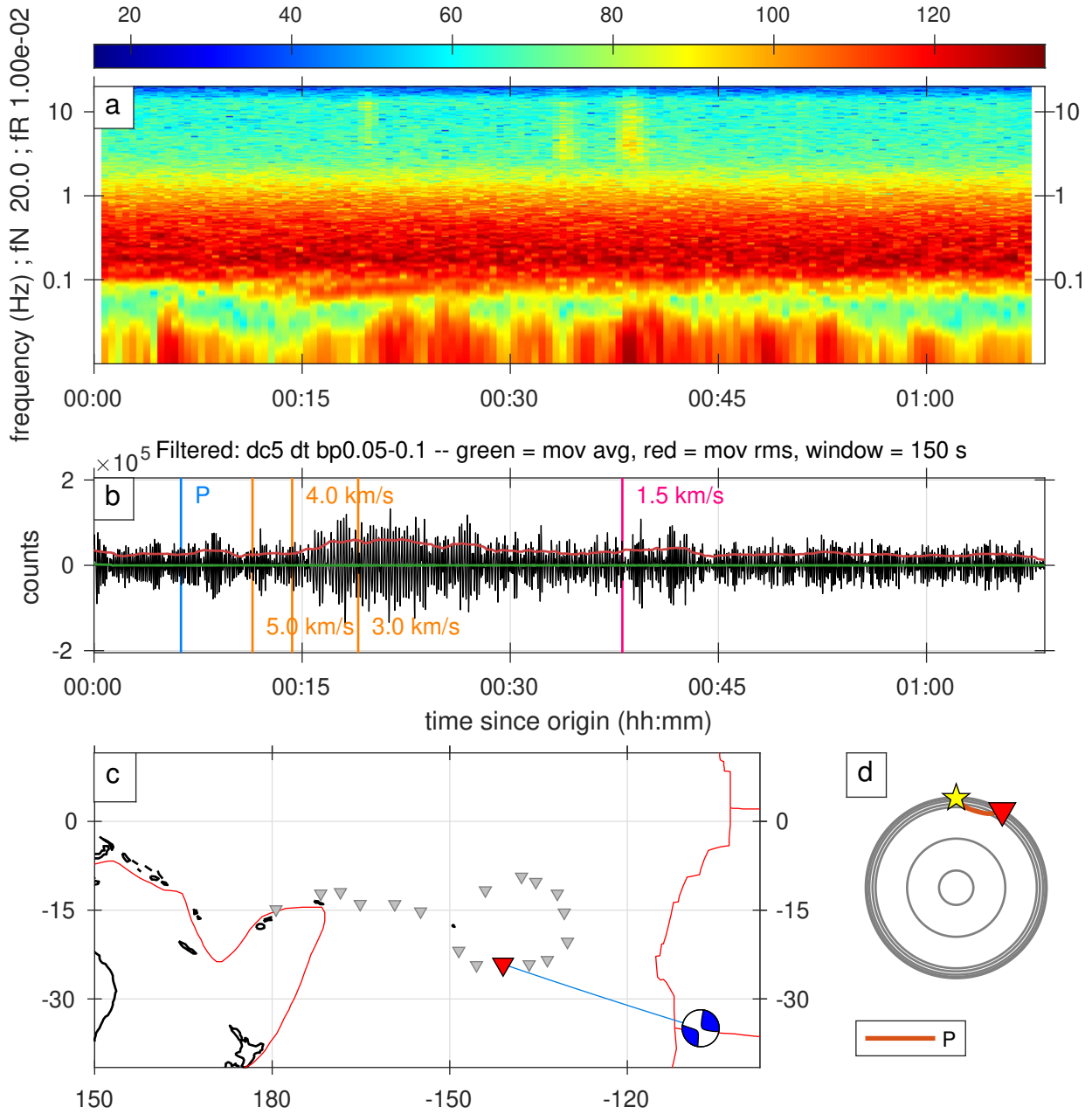


Figure S52. A full record of an earthquake classified as 2stars category.

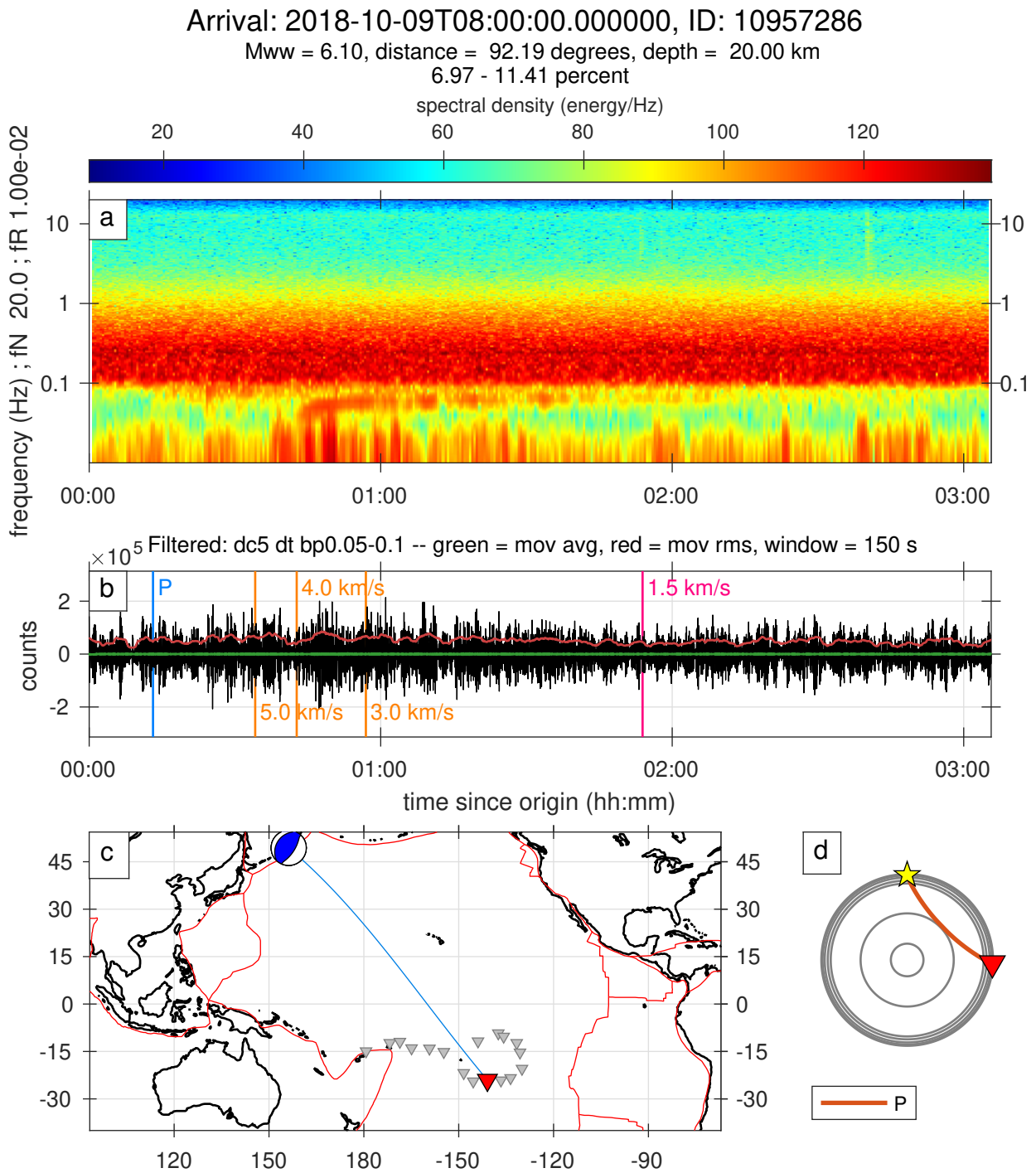


Figure S53. A full record of an earthquake classified as 2stars category.

Arrival: 2018-10-13T11:24:40.000000, ID: 10958985

Mww = 6.70, distance = 95.67 degrees, depth = 461.00 km
13.33 - 22.51 percent

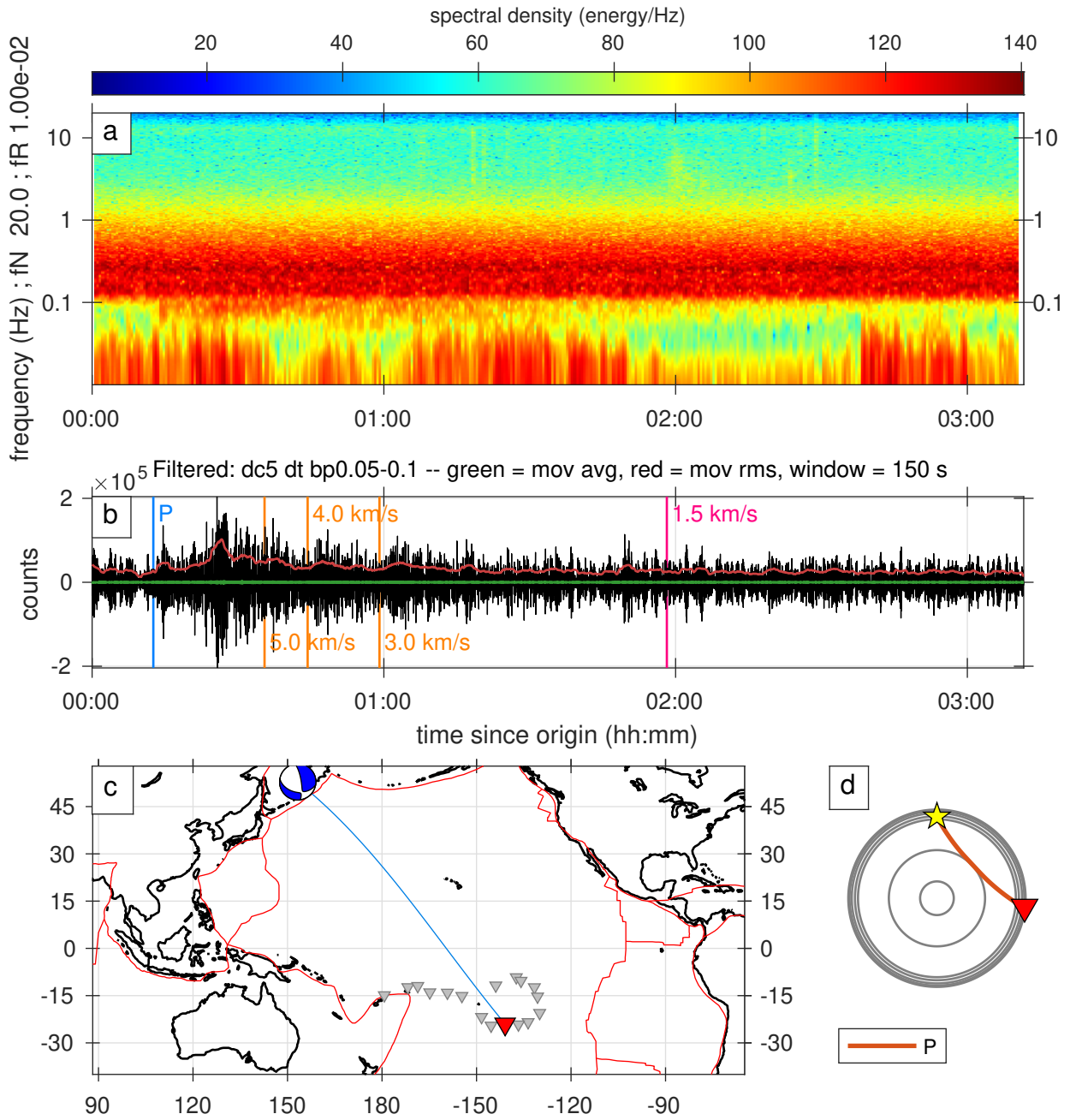


Figure S54. A full record of an earthquake classified as 2stars category.

Arrival: 2018-10-29T07:04:40.000000, ID: 10965132

Mww = 6.30, distance = 61.71 degrees, depth = 10.00 km

43.75 - 44.90 percent

spectral density (energy/Hz)

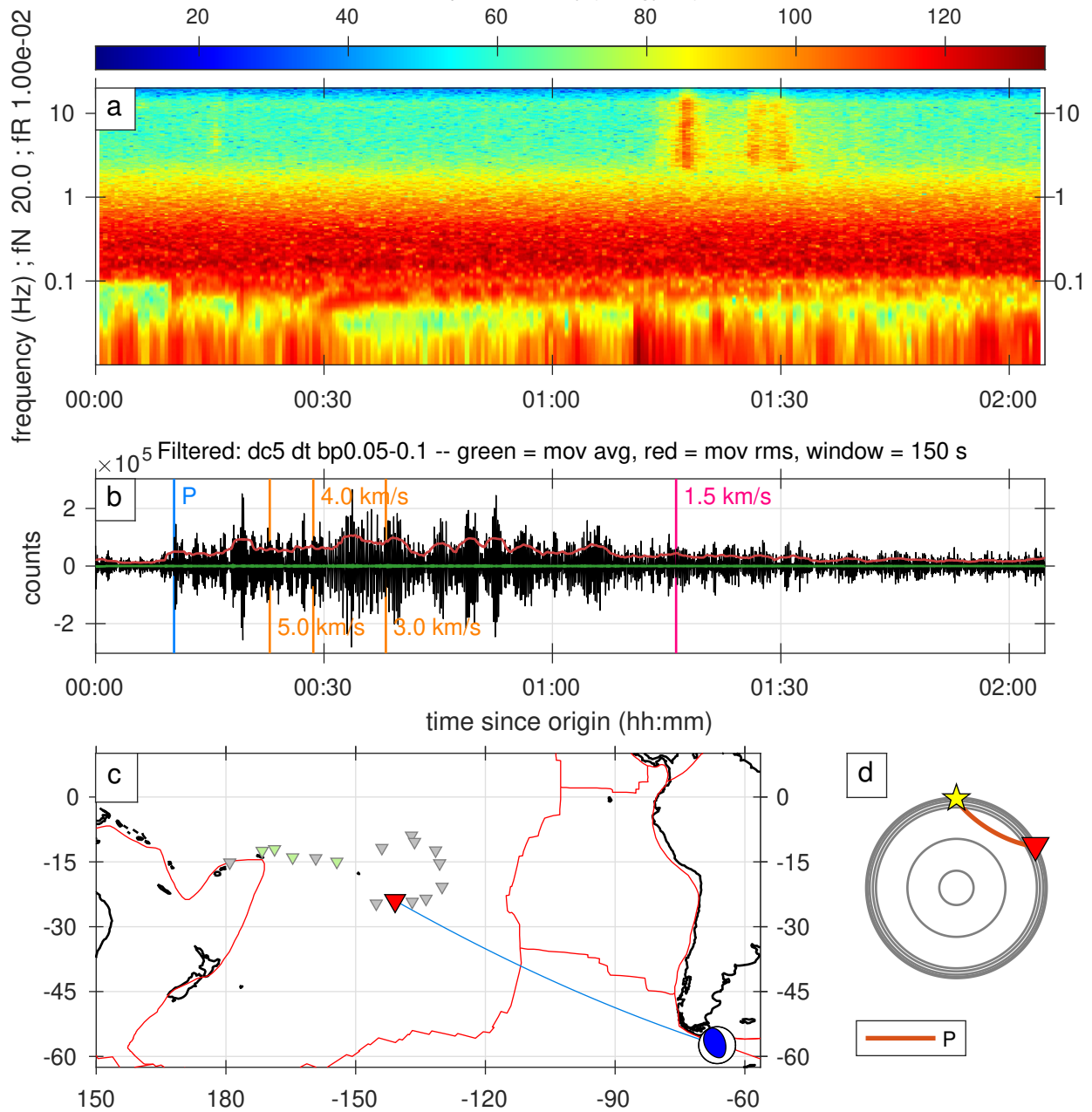


Figure S55. A full record of an earthquake classified as 2stars category.

Arrival: 2018-10-29T20:27:00.000000, ID: 10965319

Mww = 5.80, distance = 61.76 degrees, depth = 10.00 km

51.18 - 52.33 percent

spectral density (energy/Hz)

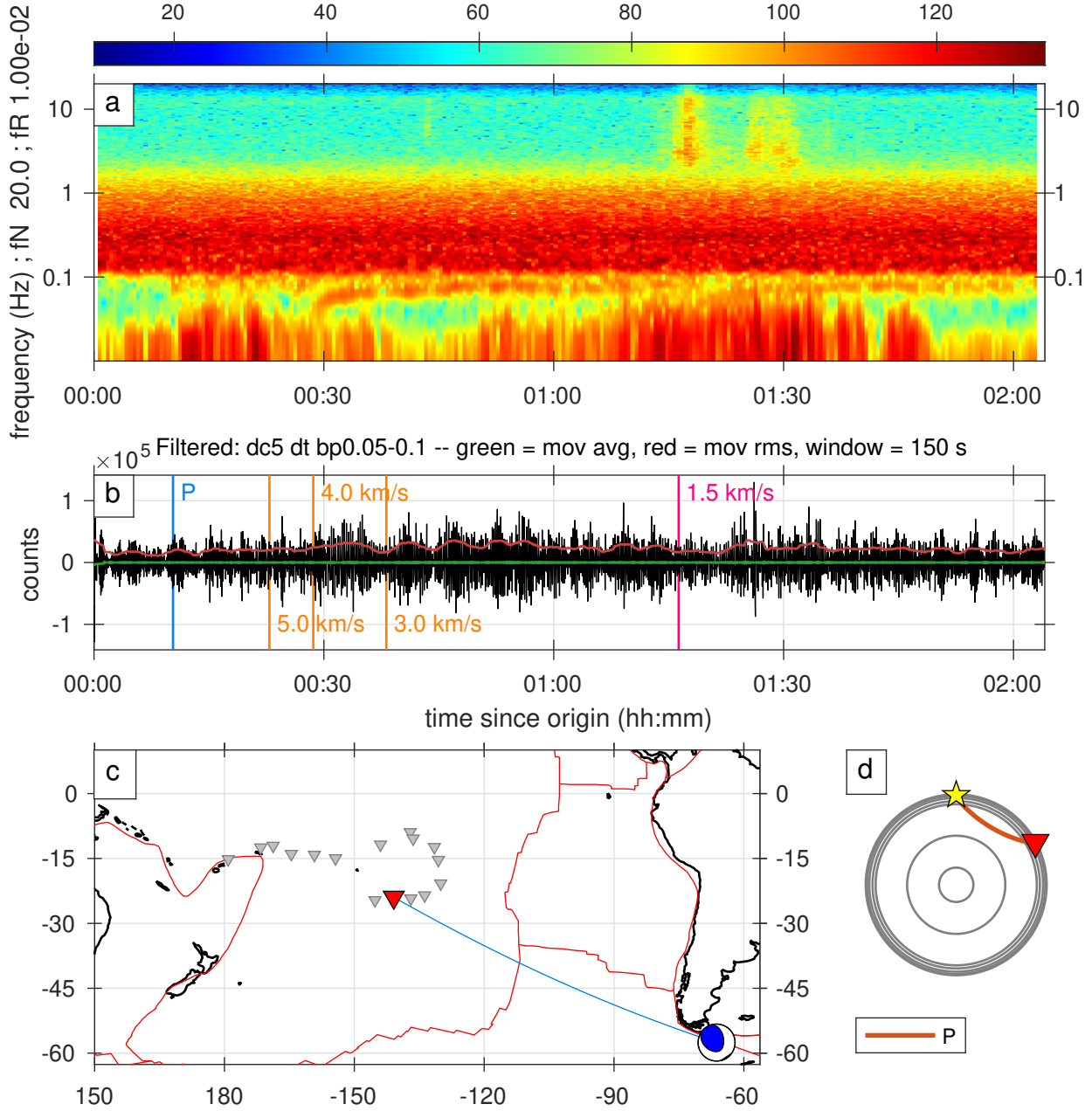


Figure S56. A full record of an earthquake classified as 2stars category.

Arrival: 2018-10-29T23:35:00.000000, ID: 10965401

Mww = 5.80, distance = 38.85 degrees, depth = 10.00 km

52.93 - 53.68 percent

spectral density (energy/Hz)

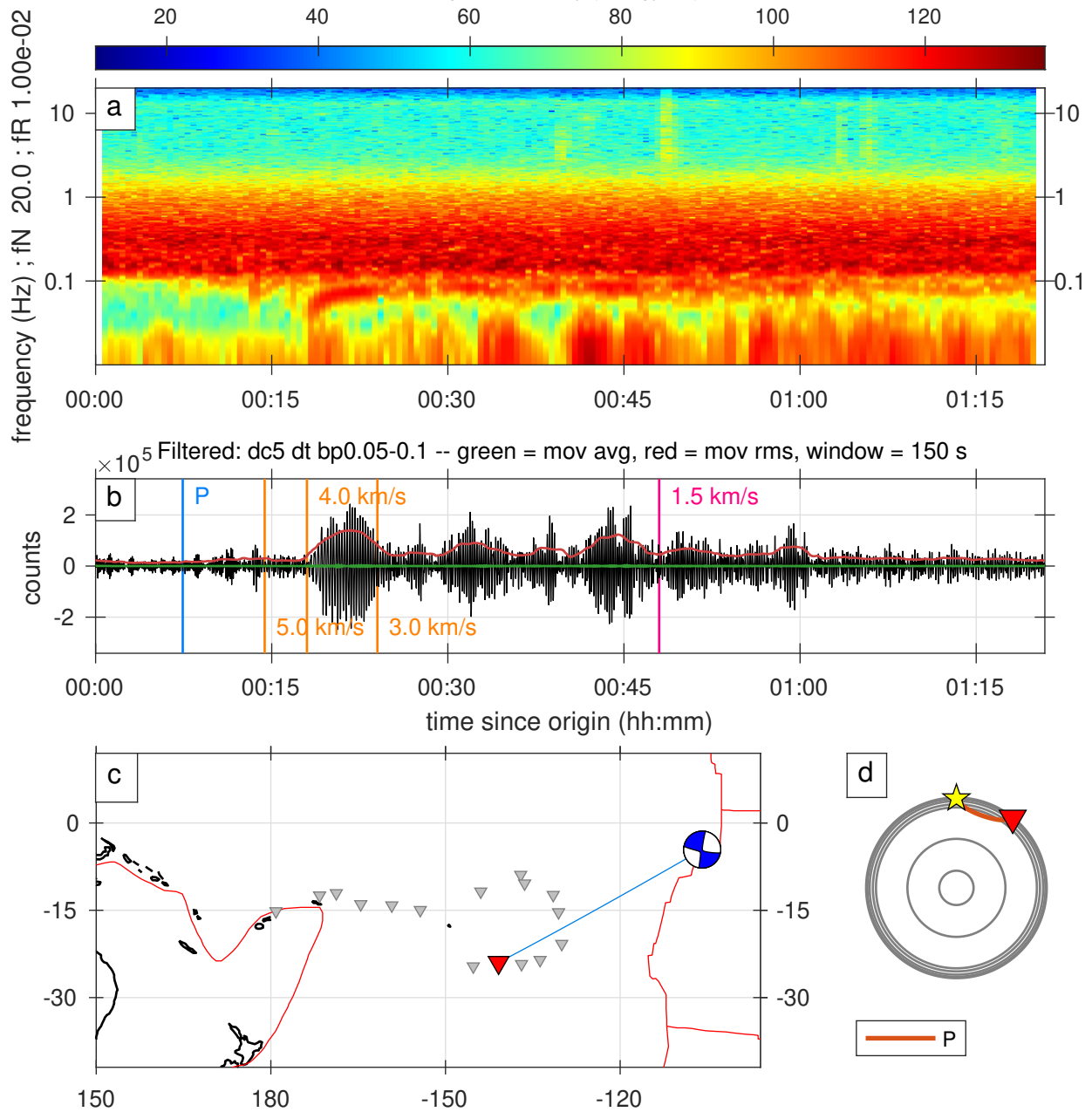


Figure S57. A full record of an earthquake classified as 2stars category.

Arrival: 2018-10-30T02:21:00.000000, ID: 10965448

Mww = 6.10, distance = 40.08 degrees, depth = 227.28 km

54.48 - 55.24 percent

spectral density (energy/Hz)

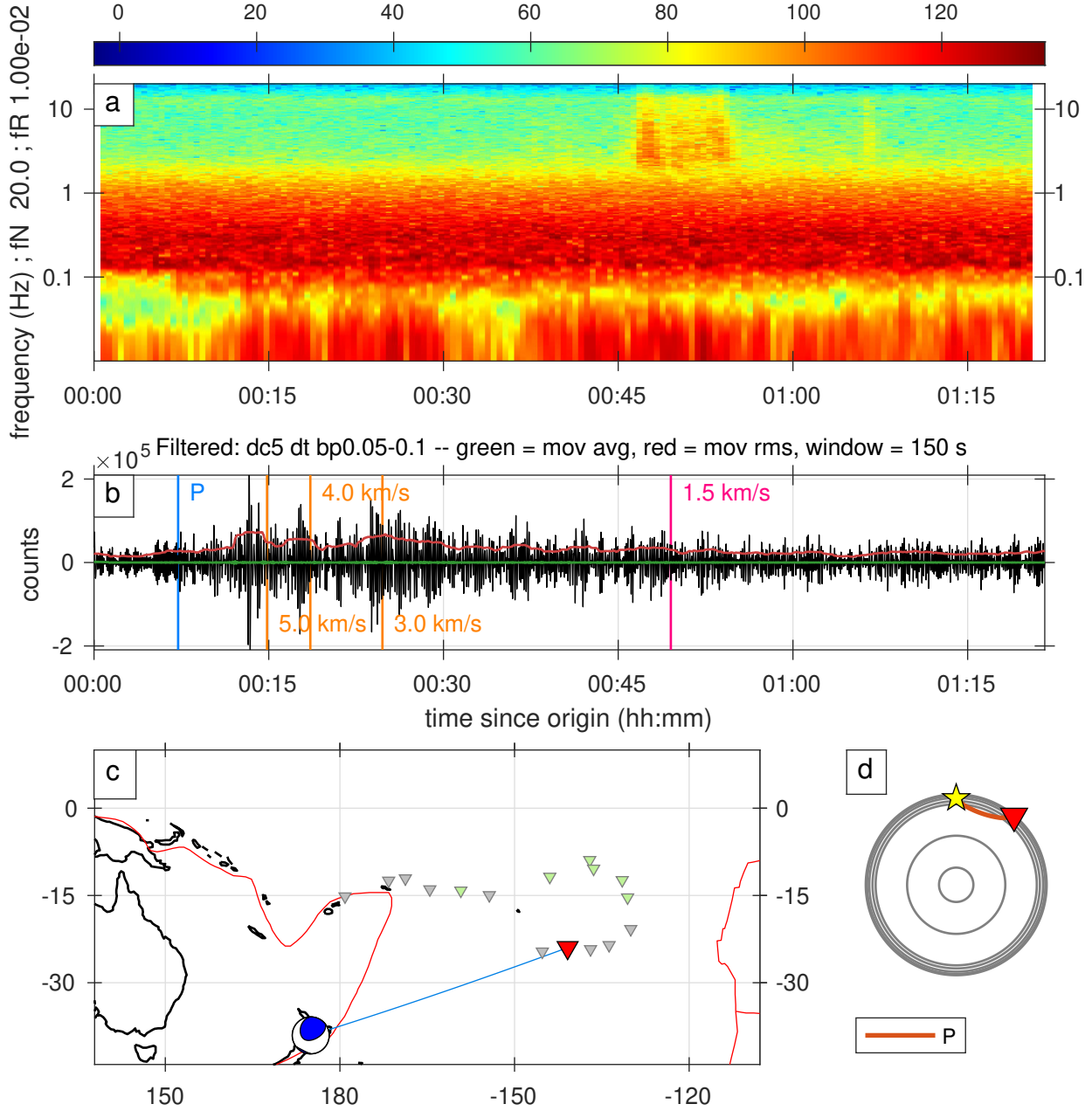


Figure S58. A full record of an earthquake classified as 2stars category.

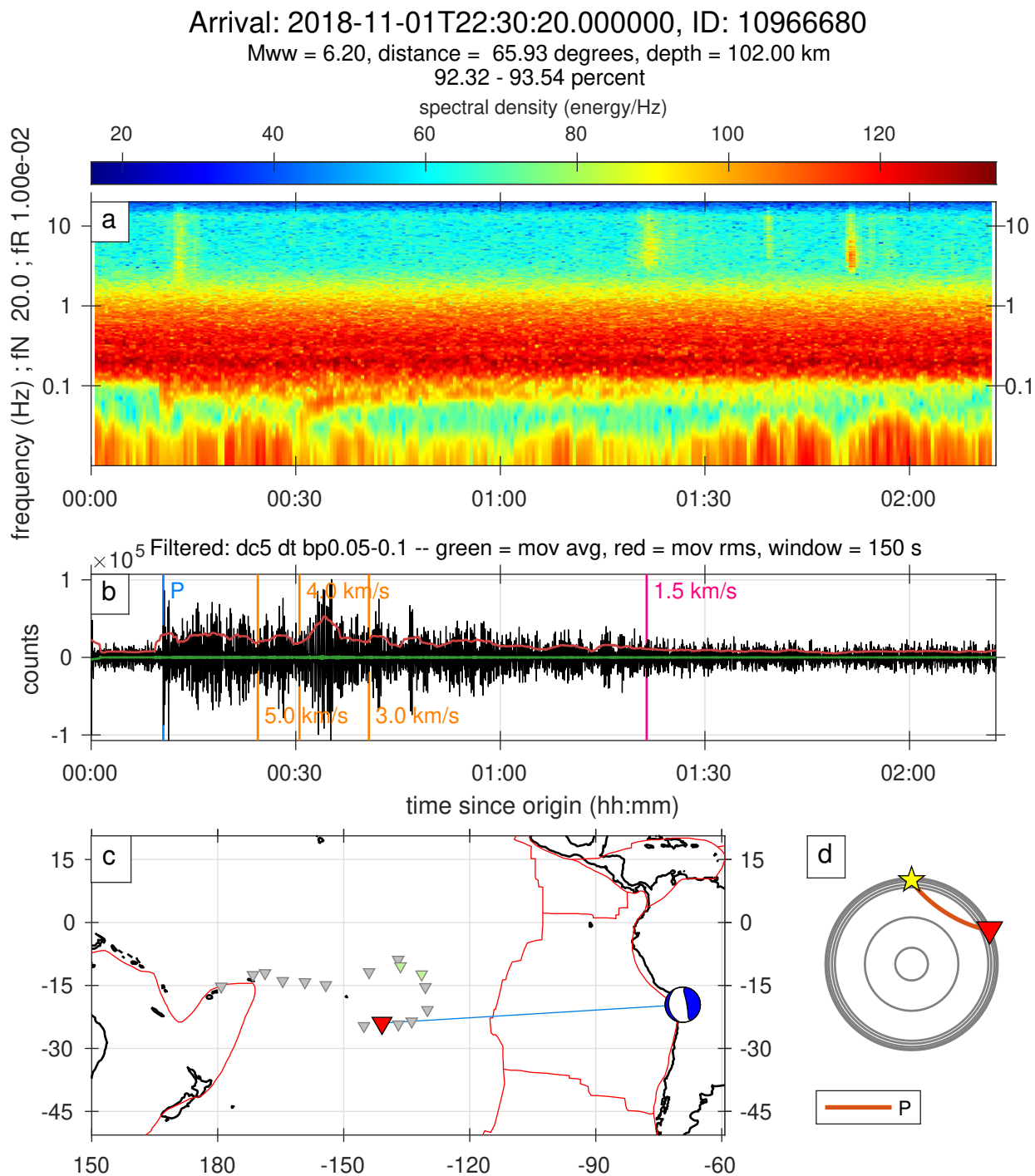


Figure S59. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-06T16:17:30.000000, ID: 10968334

Mww = 5.50, distance = 30.92 degrees, depth = 10.00 km
36.73 - 37.38 percent

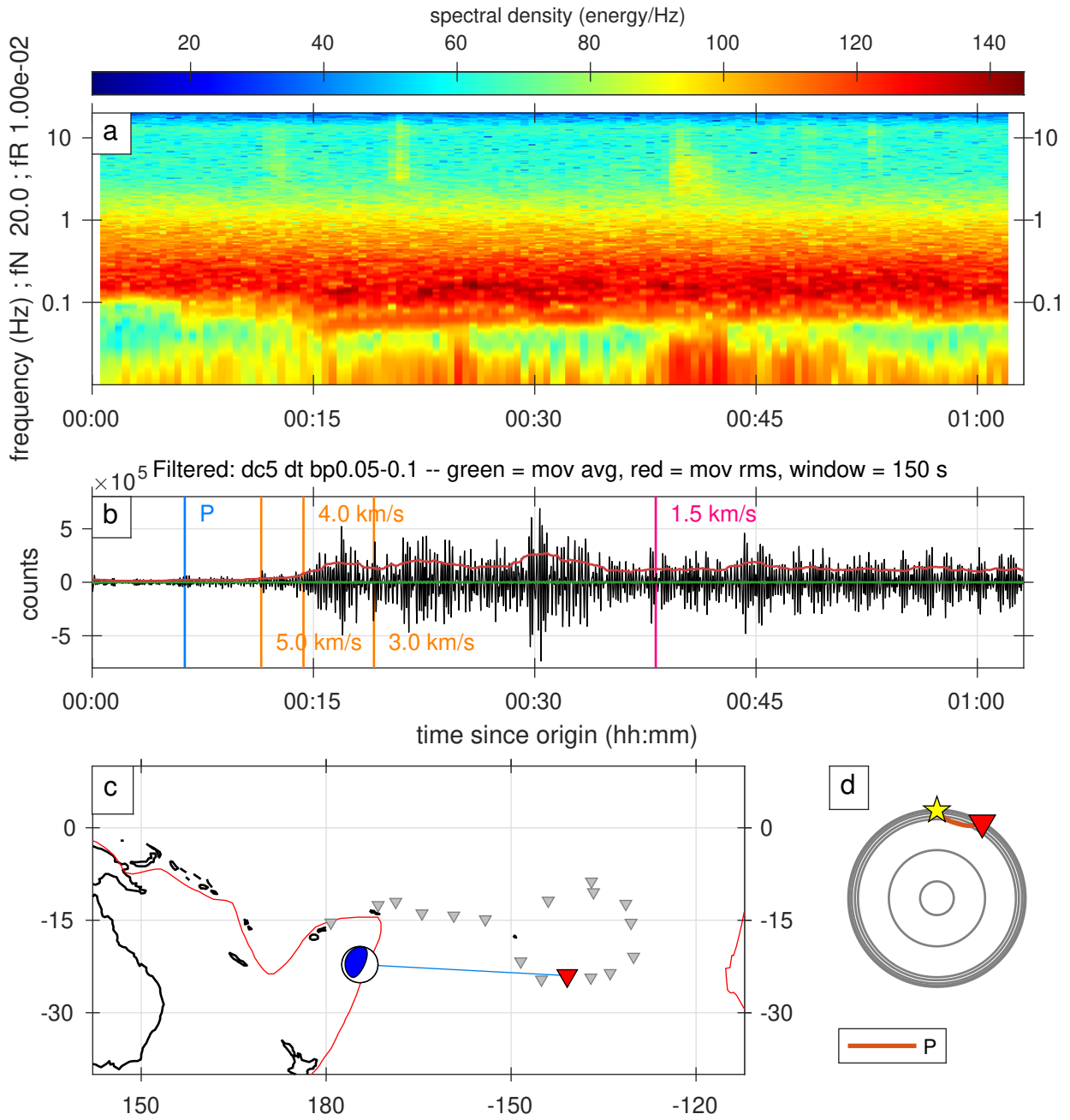


Figure S60. A full record of an earthquake classified as 2stars category.

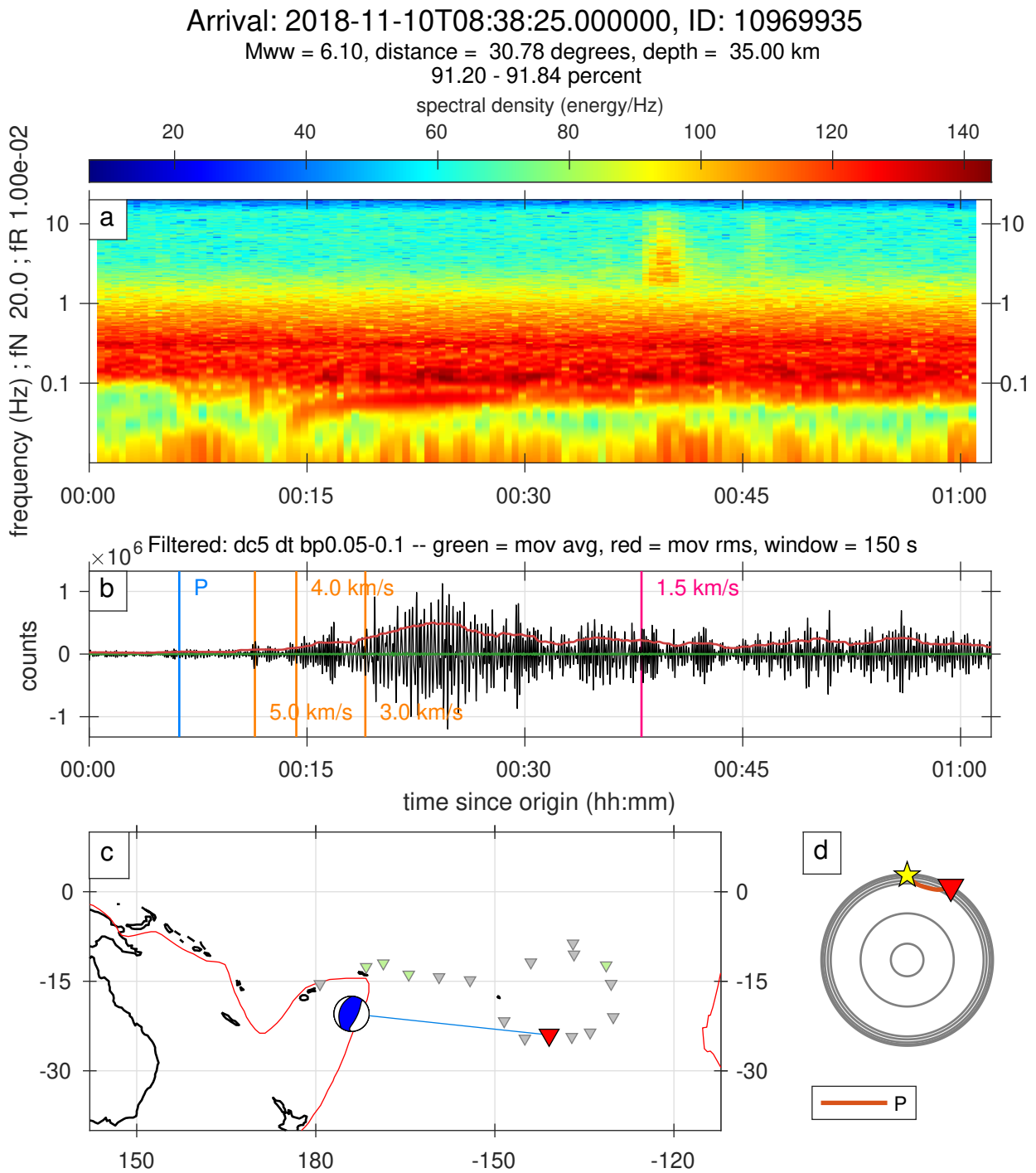


Figure S61. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-12T22:51:30.000000, ID: 10970552

Mww = 5.60, distance = 41.81 degrees, depth = 10.00 km
27.48 - 29.66 percent

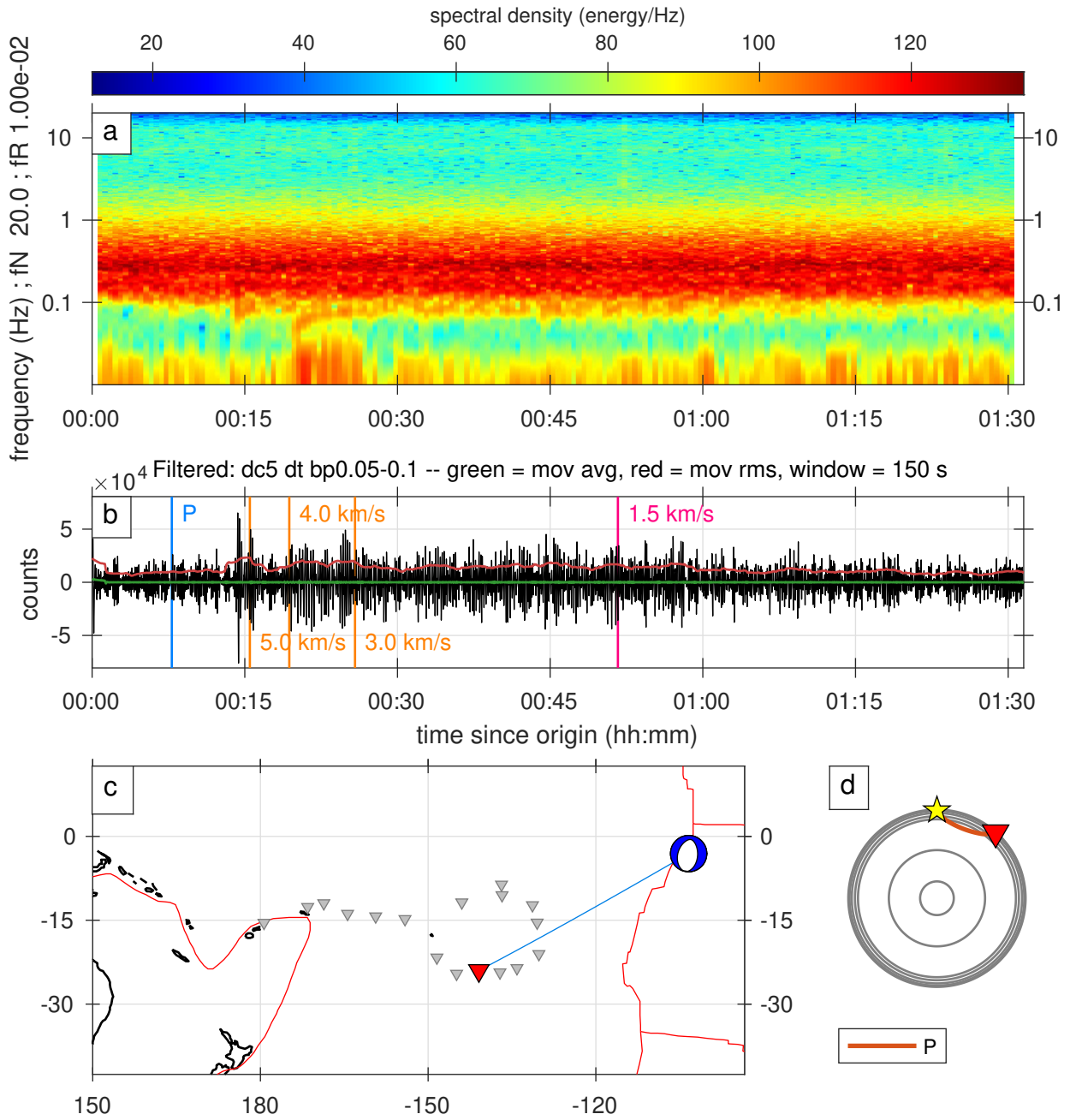


Figure S62. A full record of an earthquake classified as 2stars category.

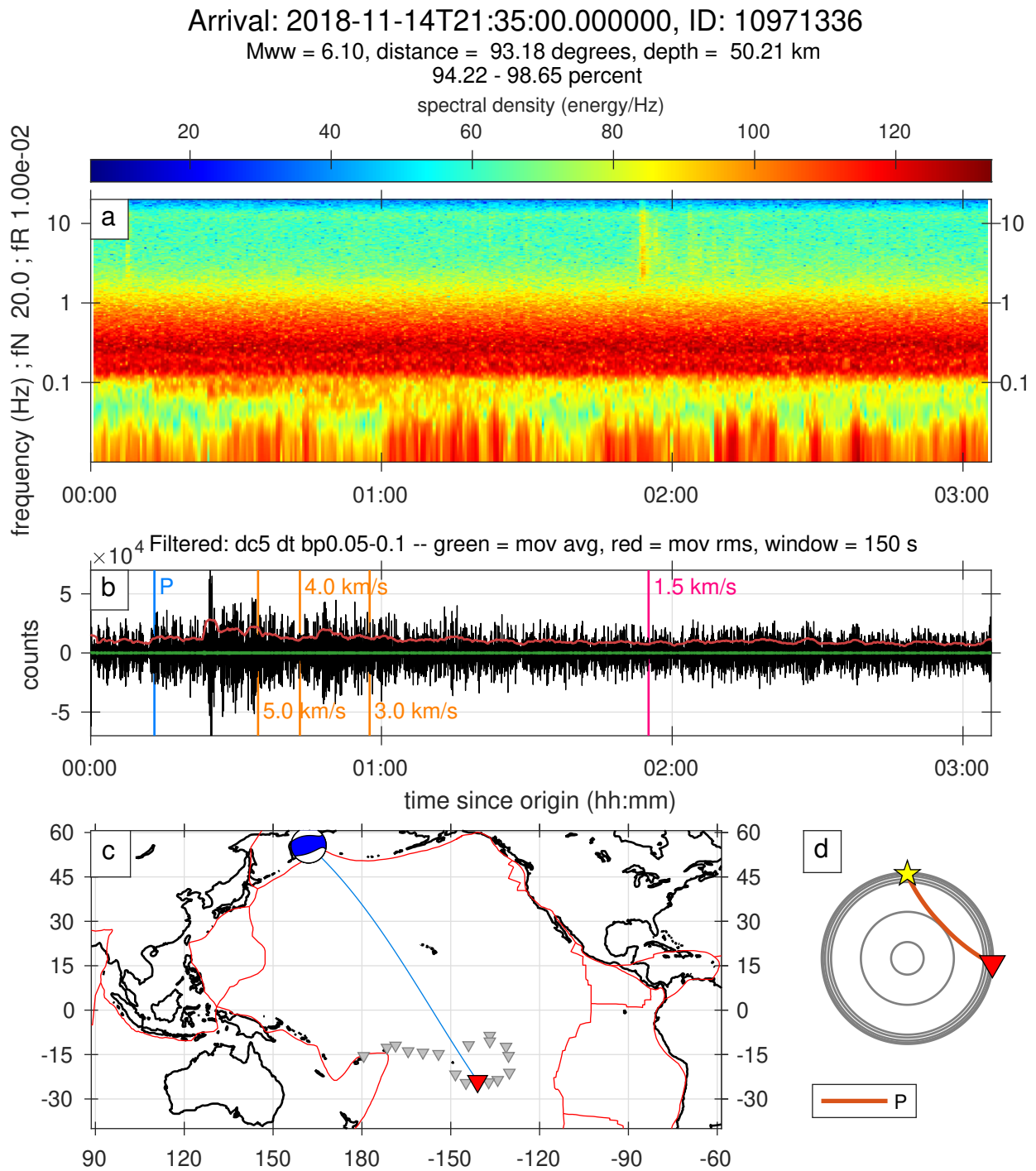


Figure S63. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-16T03:36:00.000000, ID: 10971960

mww = 6.10, distance = 54.69 degrees, depth = 8.84 km

12.04 - 15.56 percent

spectral density (energy/Hz)

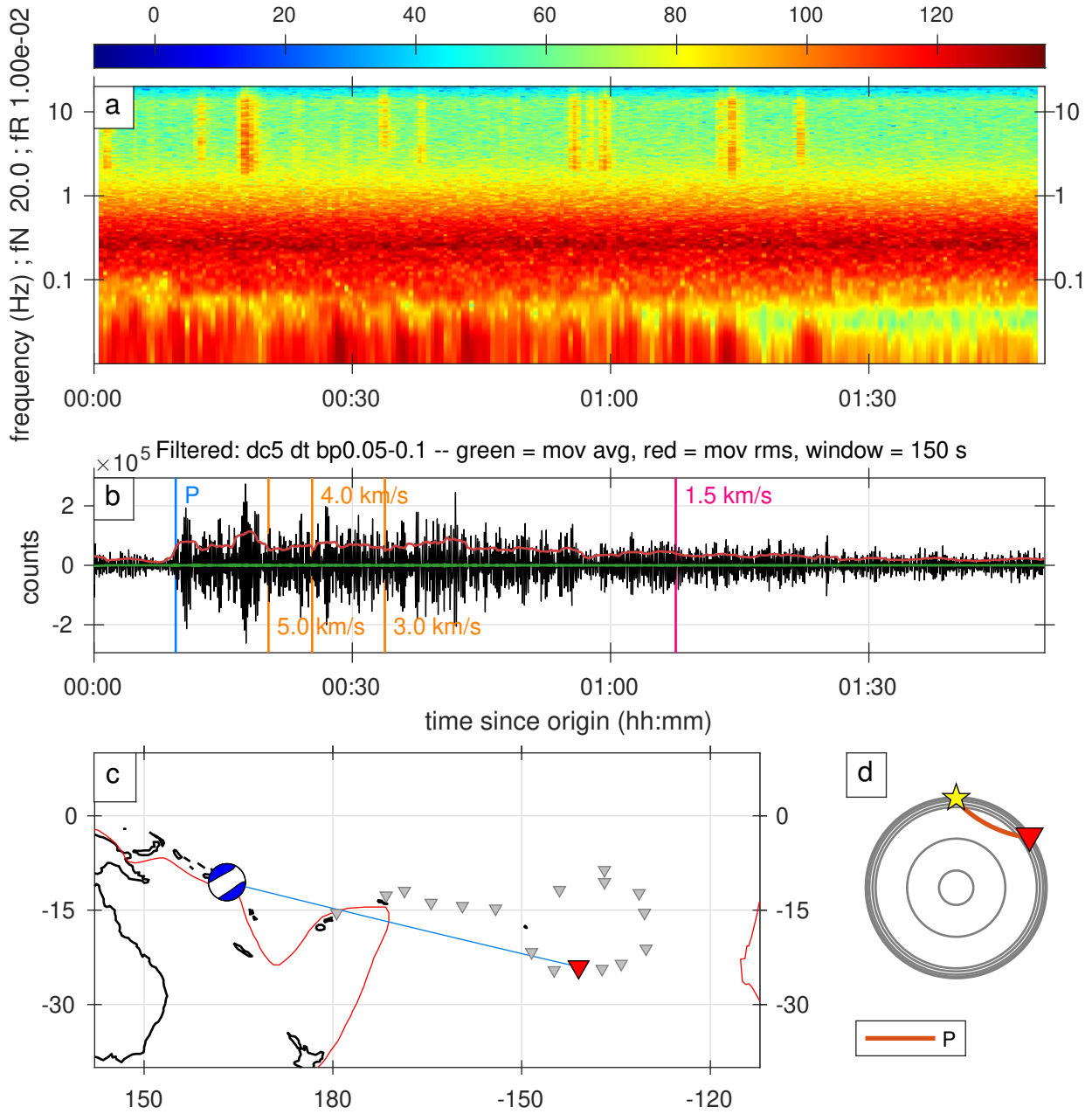


Figure S64. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-24T15:50:00.000000, ID: 10974188

Mww = 5.40, distance = 31.93 degrees, depth = 10.00 km

25.09 - 26.41 percent

spectral density (energy/Hz)

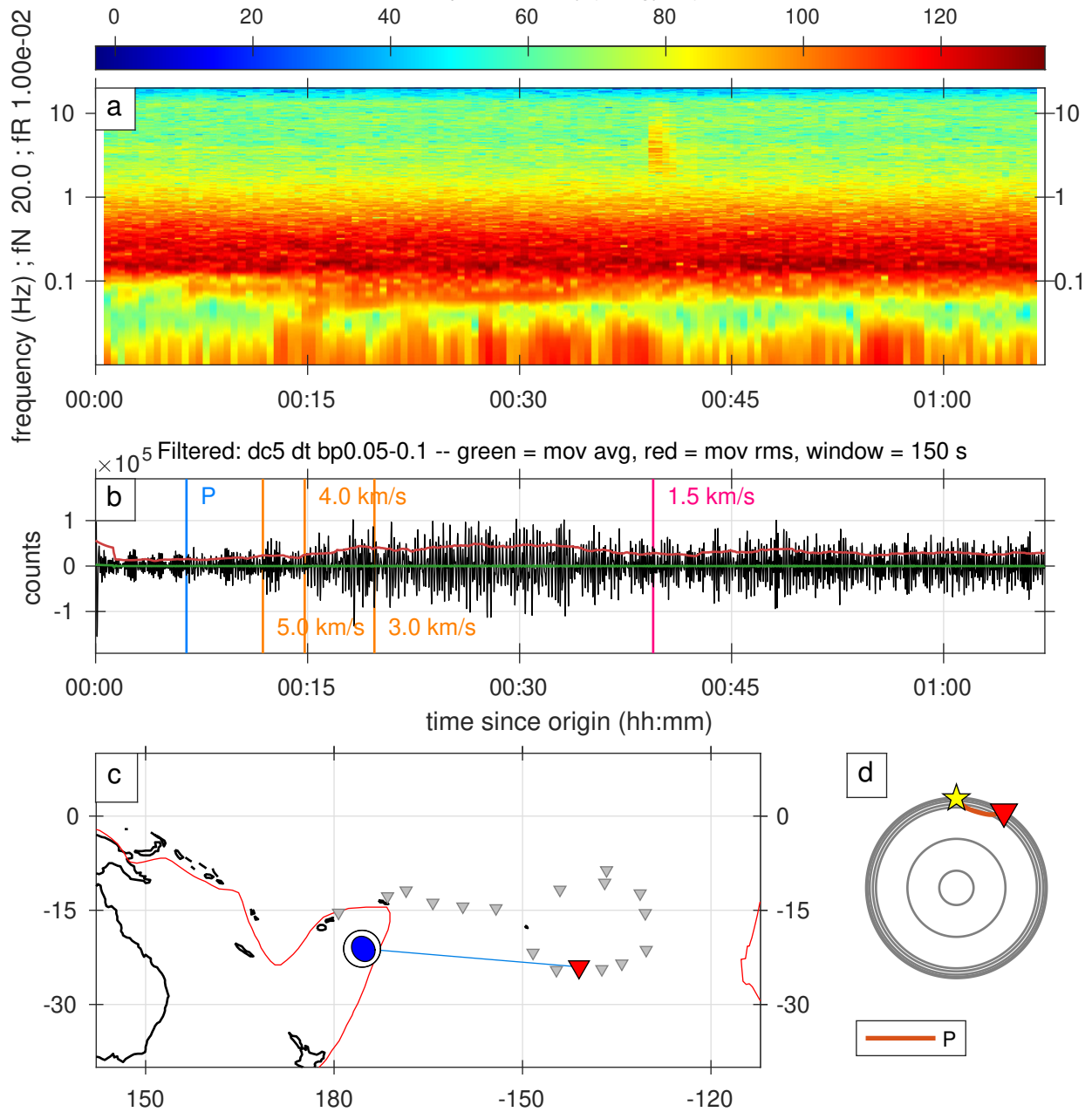


Figure S65. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-25T03:54:00.000000, ID: 10974301

Mww = 6.00, distance = 69.33 degrees, depth = 10.00 km

39.26 - 42.05 percent

spectral density (energy/Hz)

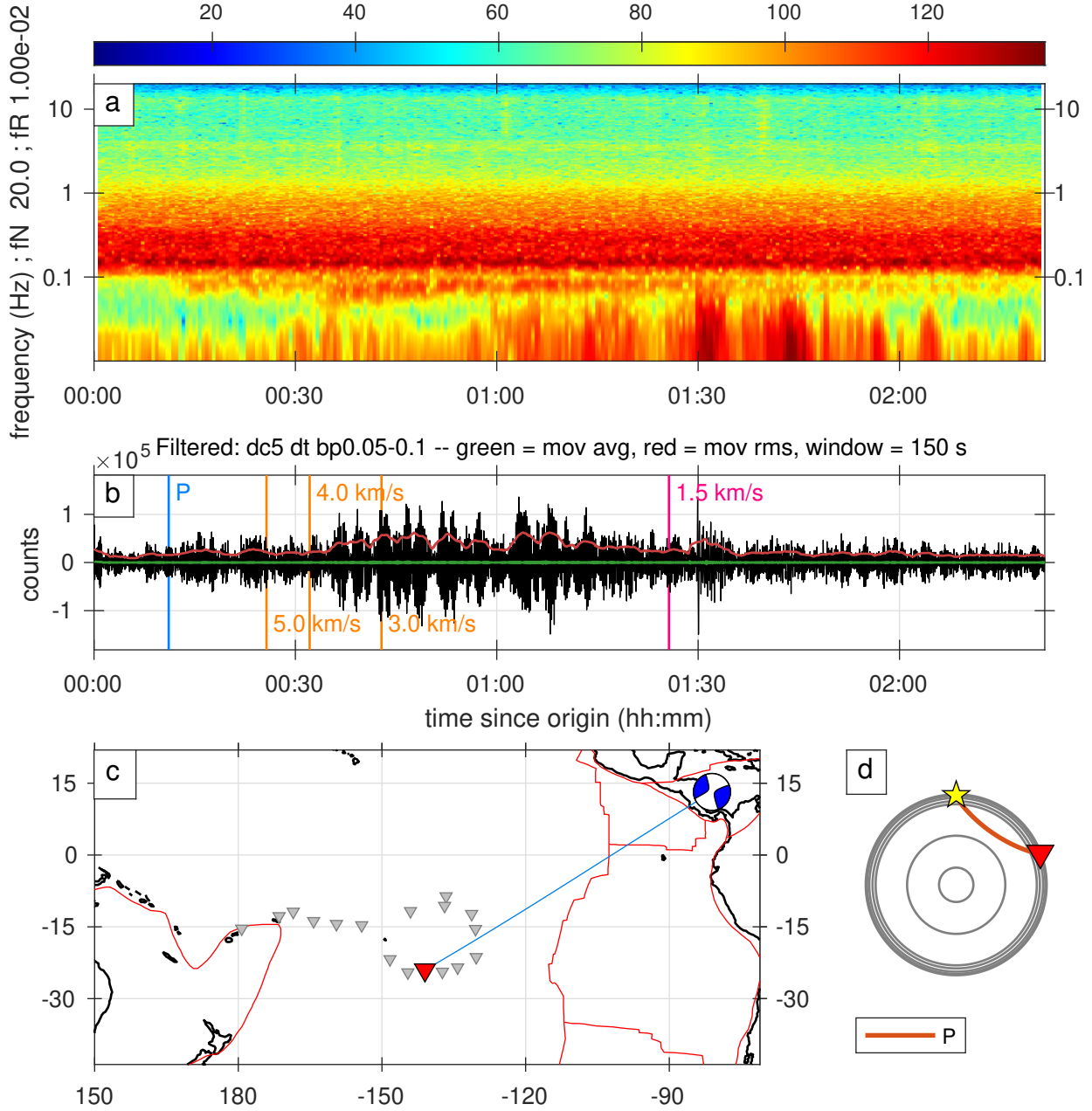


Figure S66. A full record of an earthquake classified as 2stars category.

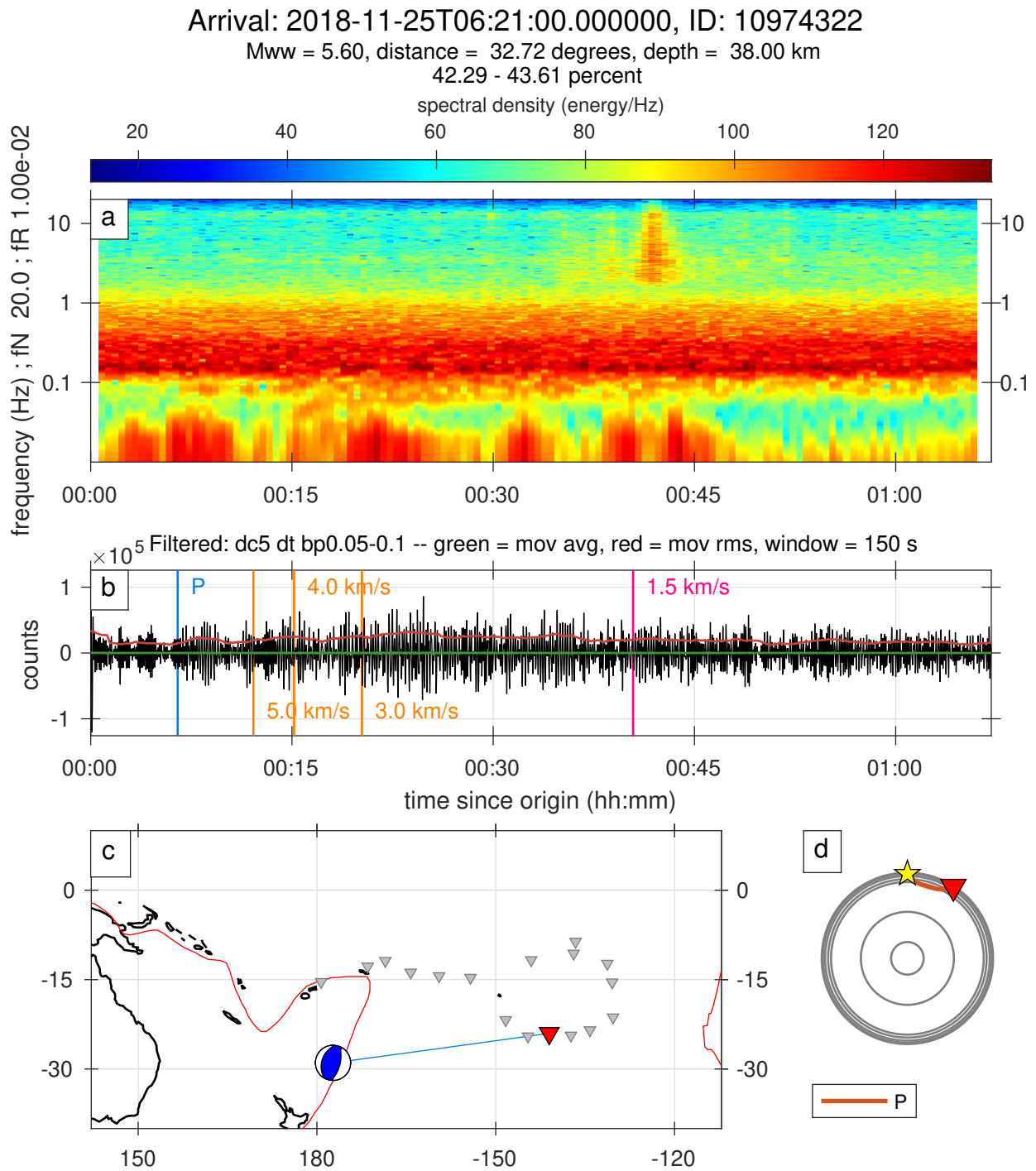


Figure S67. A full record of an earthquake classified as 2stars category.

Arrival: 2018-11-25T16:57:00.000000, ID: 10974404

Mww = 6.30, distance = 168.10 degrees, depth = 18.00 km

54.57 - 61.10 percent

spectral density (energy/Hz)

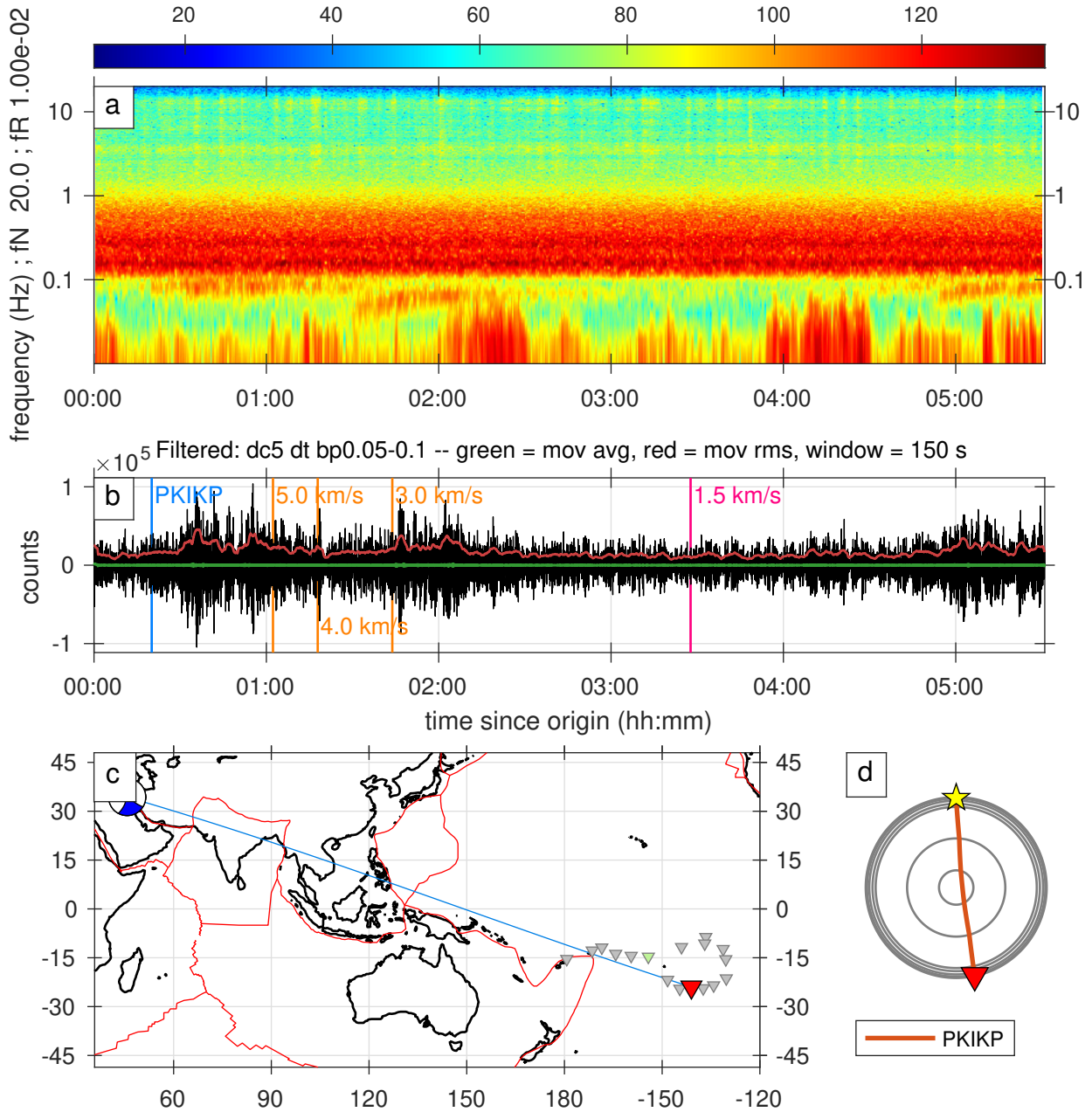


Figure S68. A full record of an earthquake classified as 2stars category.

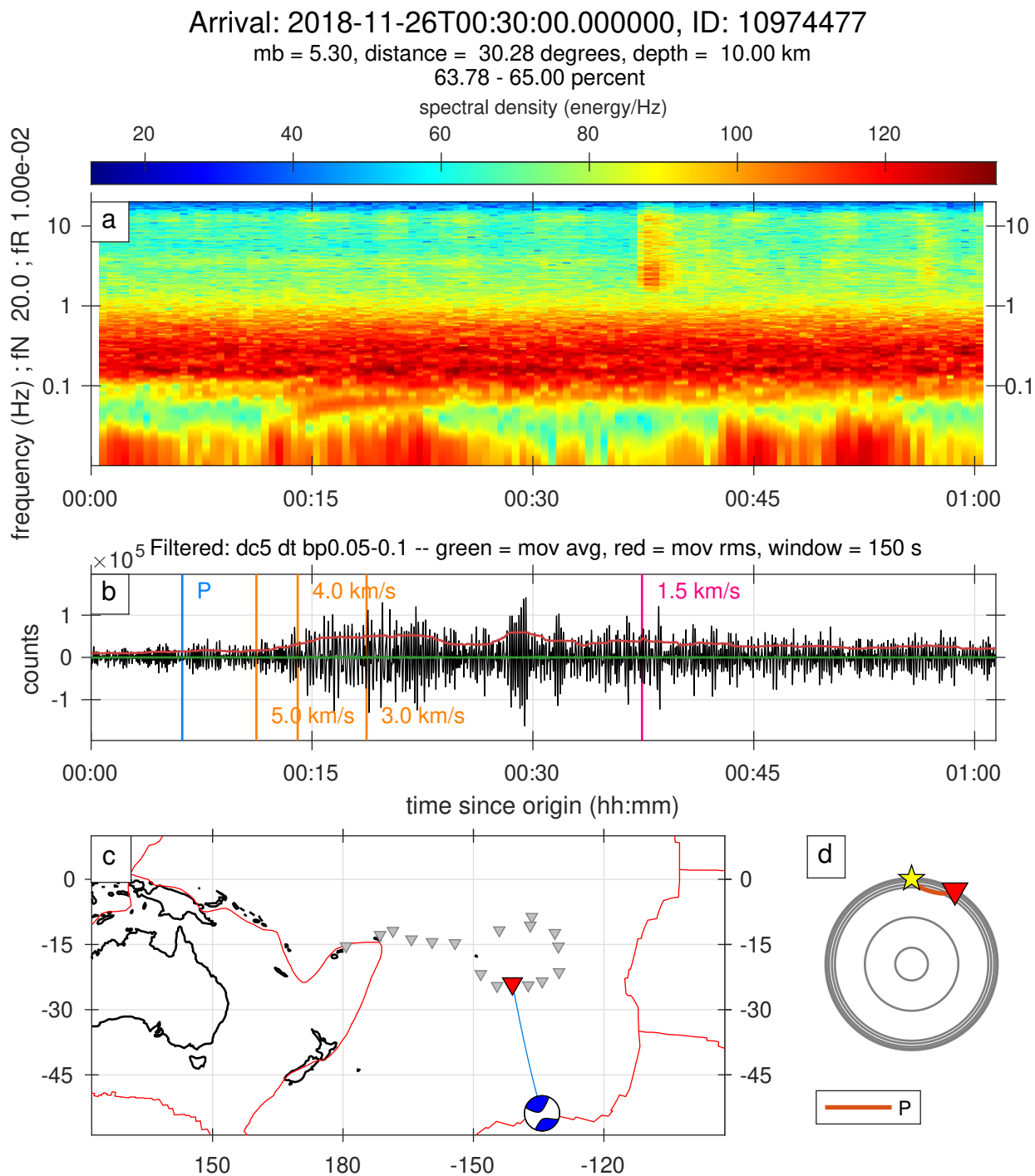


Figure S69. A full record of an earthquake classified as 2stars category.

Arrival: 2018-12-06T23:35:20.000000, ID: 10981467

Mww = 5.90, distance = 45.00 degrees, depth = 9.00 km

50.23 - 54.00 percent

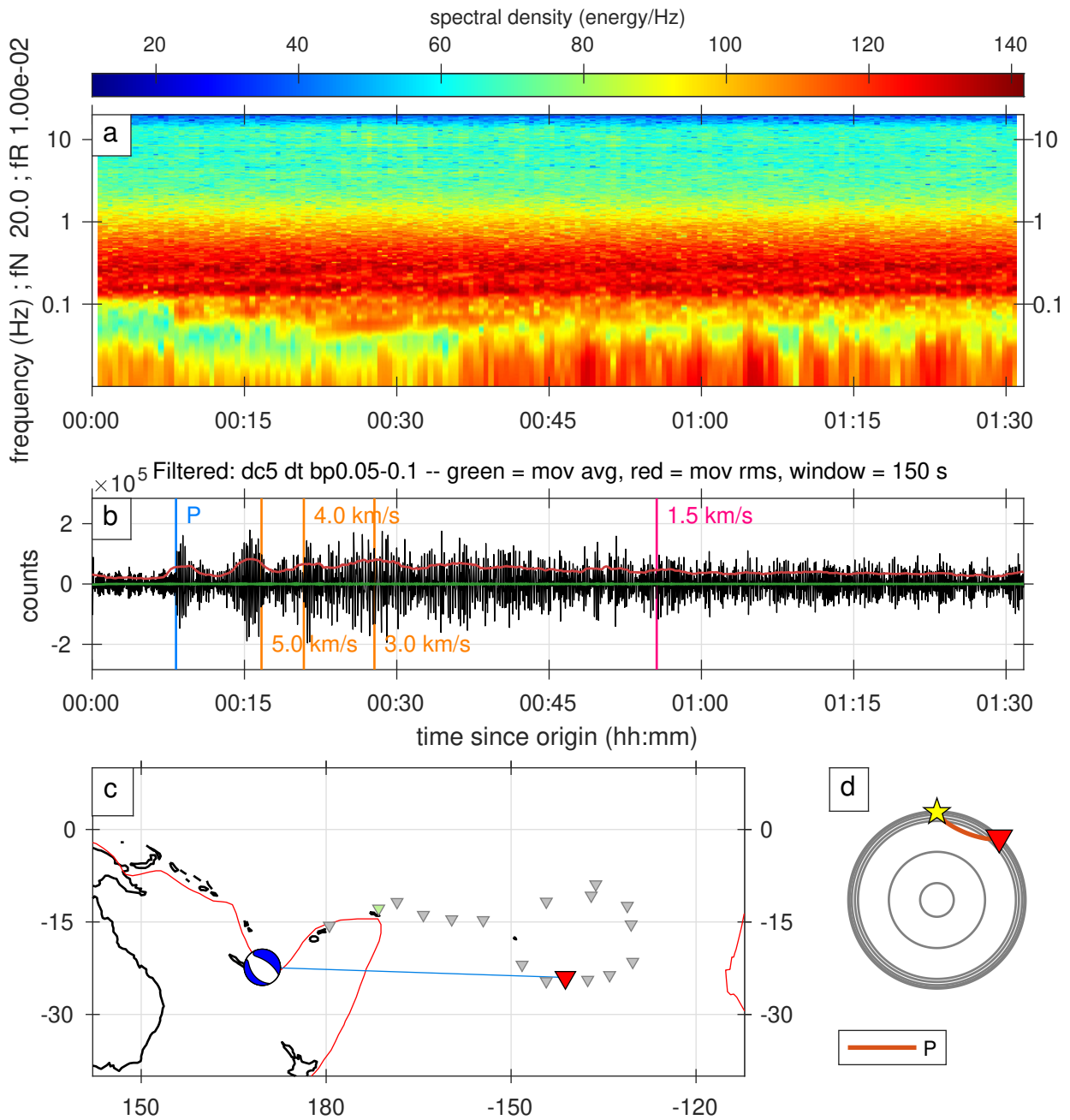


Figure S70. A full record of an earthquake classified as 2stars category.

Arrival: 2018-12-12T13:22:00.000000, ID: 10984273

Mww = 6.30, distance = 32.99 degrees, depth = 10.00 km

80.86 - 88.86 percent

spectral density (energy/Hz)

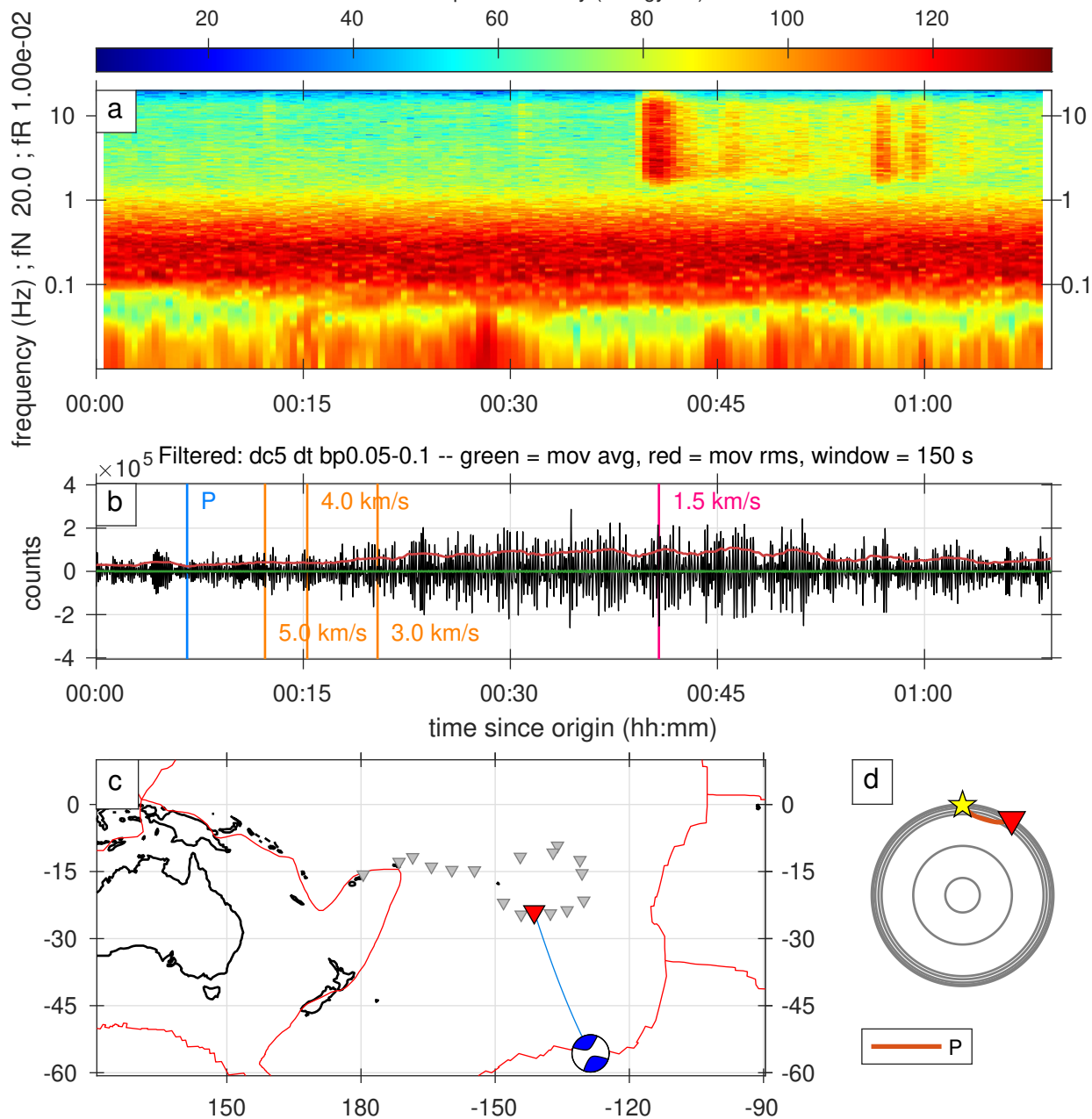


Figure S71. A full record of an earthquake classified as 2stars category.

Arrival: 2018-12-26T14:17:30.000000, ID: 10989514

Mww = 5.70, distance = 31.08 degrees, depth = 120.00 km

95.11 - 99.14 percent

spectral density (energy/Hz)

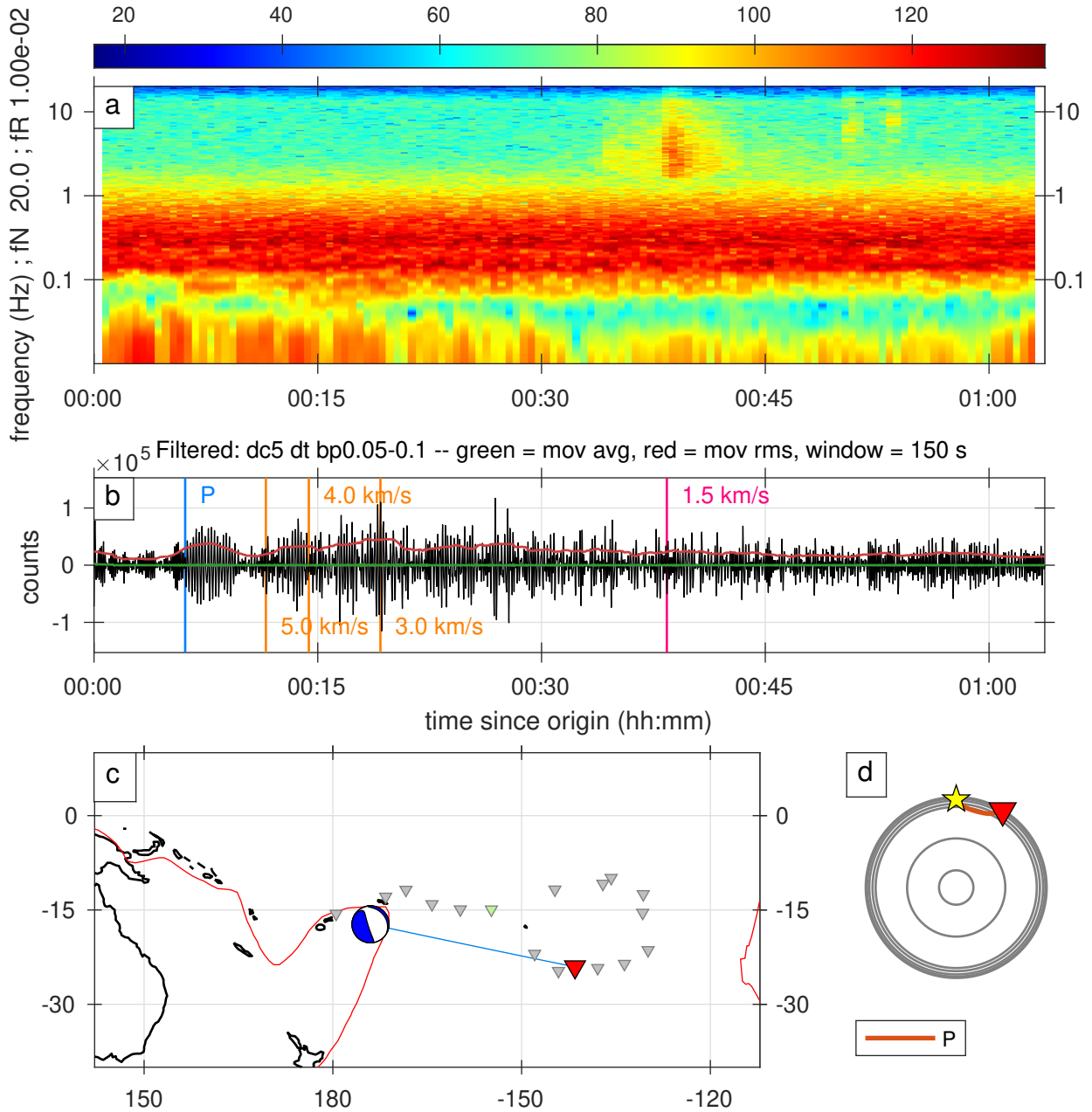


Figure S72. A full record of an earthquake classified as 2stars category.

Arrival: 2018-12-31T02:48:00.000000, ID: 10991212

Mww = 6.00, distance = 80.34 degrees, depth = 31.00 km

49.32 - 53.65 percent

spectral density (energy/Hz)

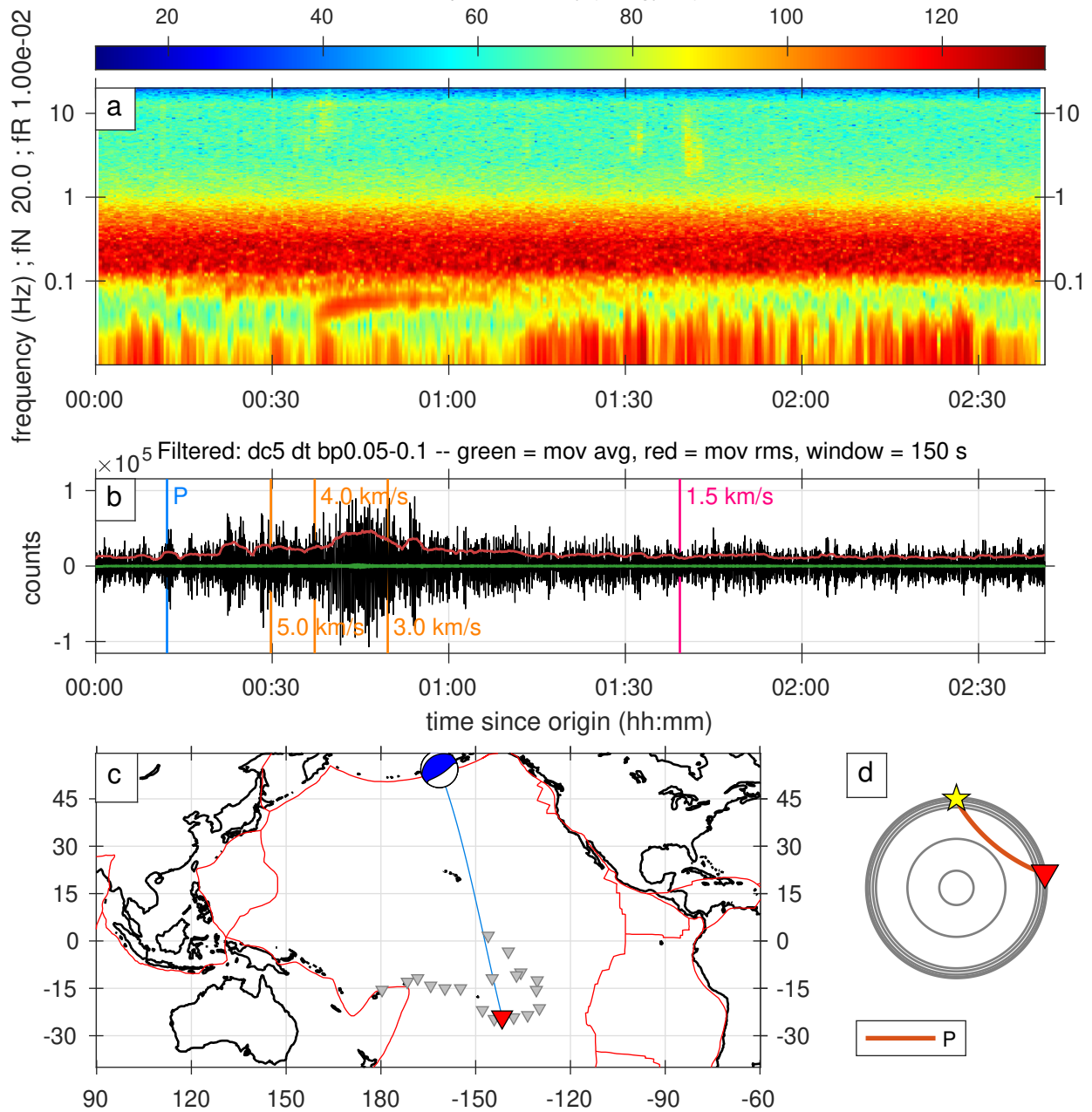


Figure S73. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-08T12:53:00.000000, ID: 10993586

Mww = 6.30, distance = 99.72 degrees, depth = 35.00 km

46.05 - 51.62 percent

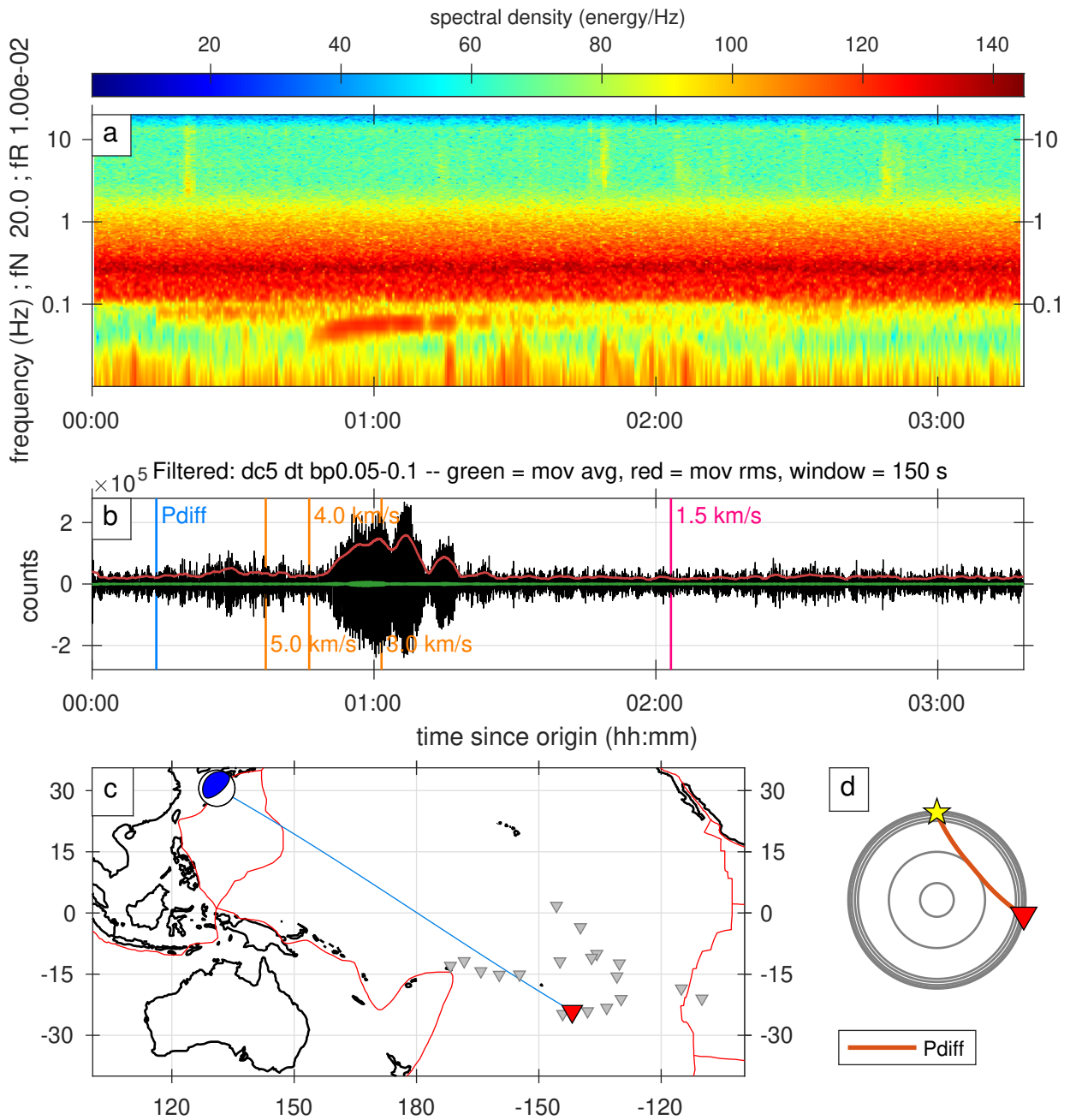


Figure S74. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-11T06:04:40.000000, ID: 10994409

Mww = 5.20, distance = 29.67 degrees, depth = 10.00 km

10.34 - 11.34 percent

spectral density (energy/Hz)

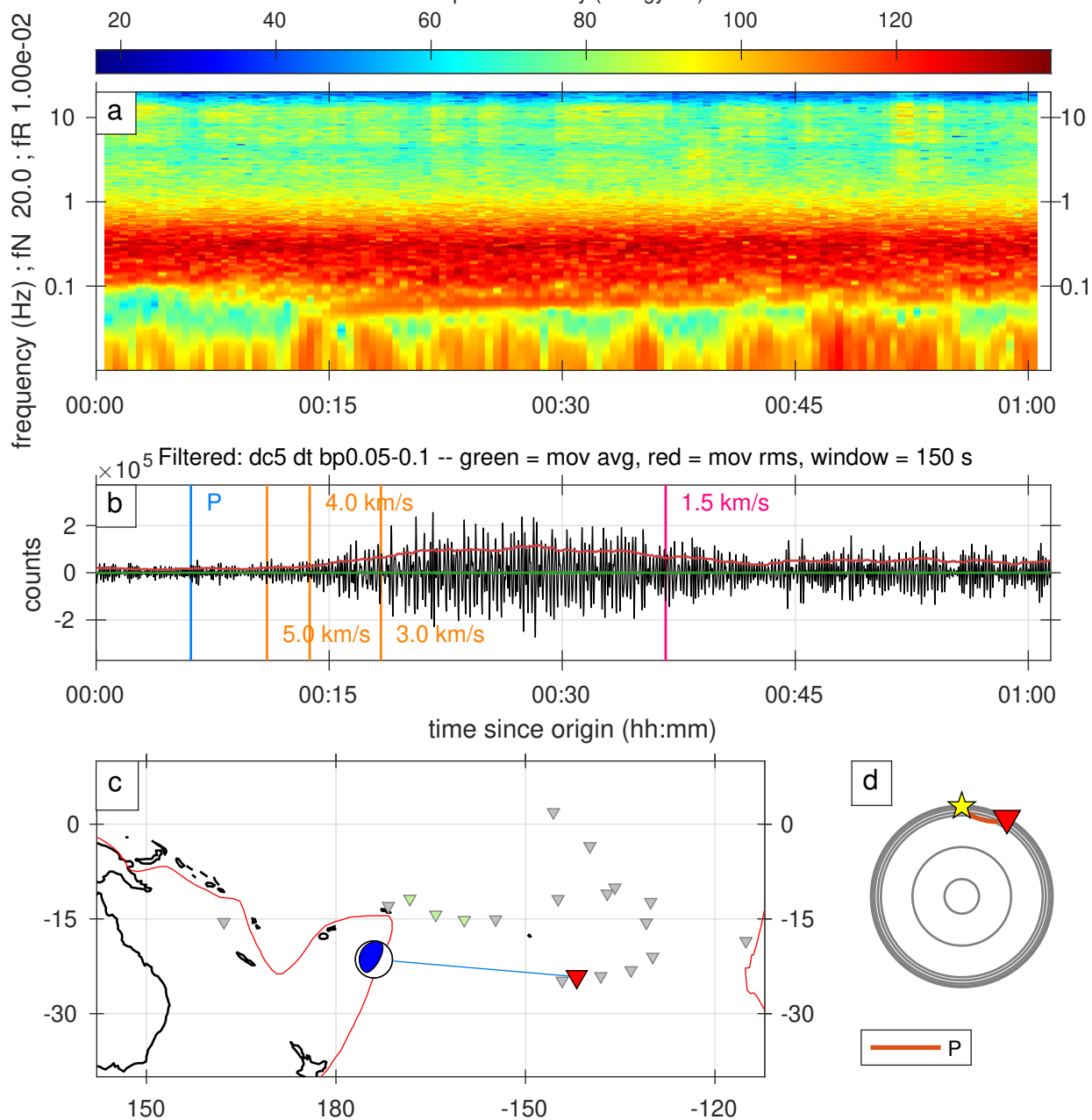


Figure S75. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-21T01:45:00.000000, ID: 10997852

Mww = 5.70, distance = 44.65 degrees, depth = 9.00 km

82.82 - 85.72 percent

spectral density (energy/Hz)

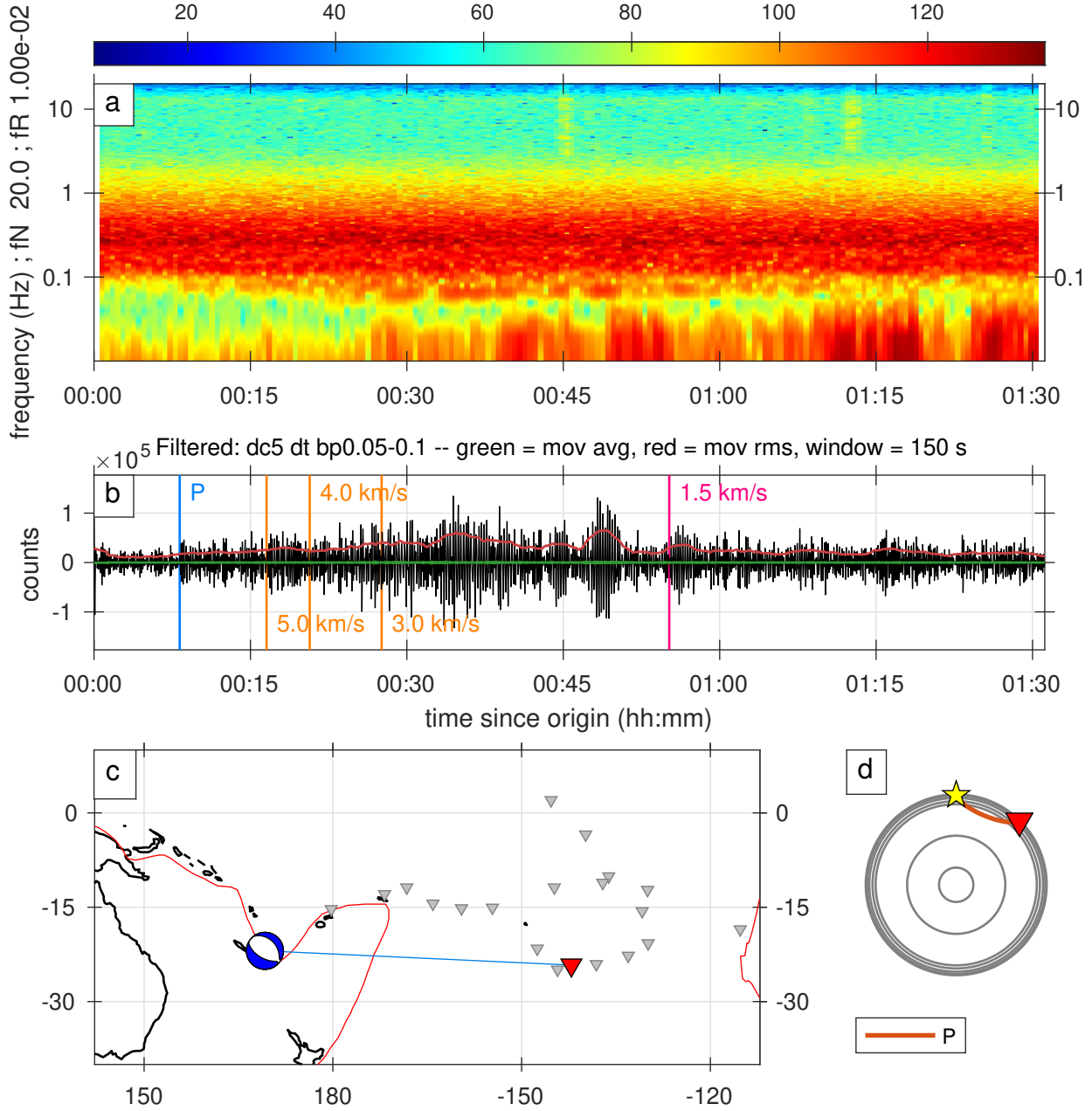


Figure S76. A full record of an earthquake classified as 2stars category.

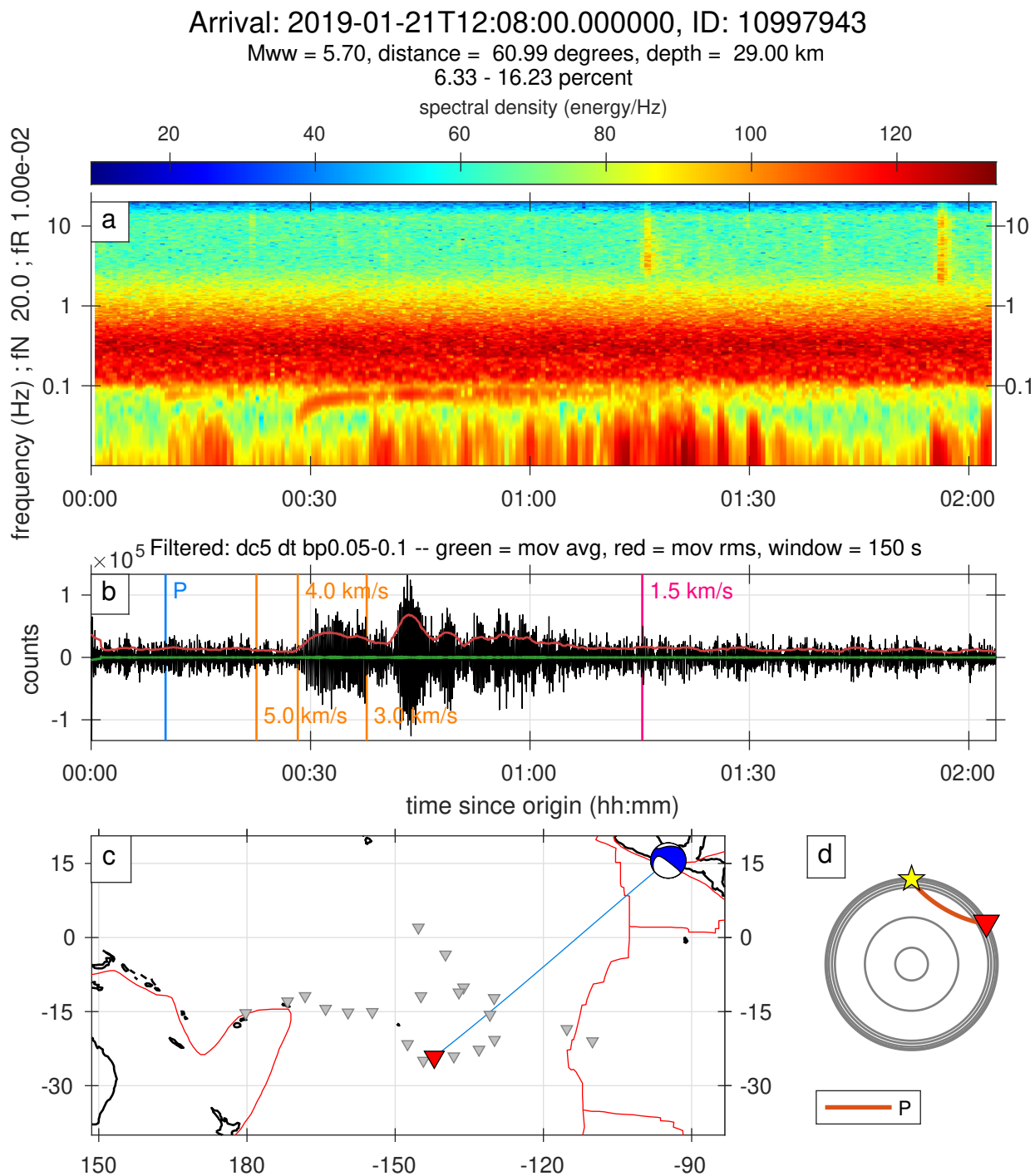


Figure S77. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-22T00:14:00.000000, ID: 10998098

Mww = 6.00, distance = 93.62 degrees, depth = 16.77 km

64.09 - 79.14 percent

spectral density (energy/Hz)

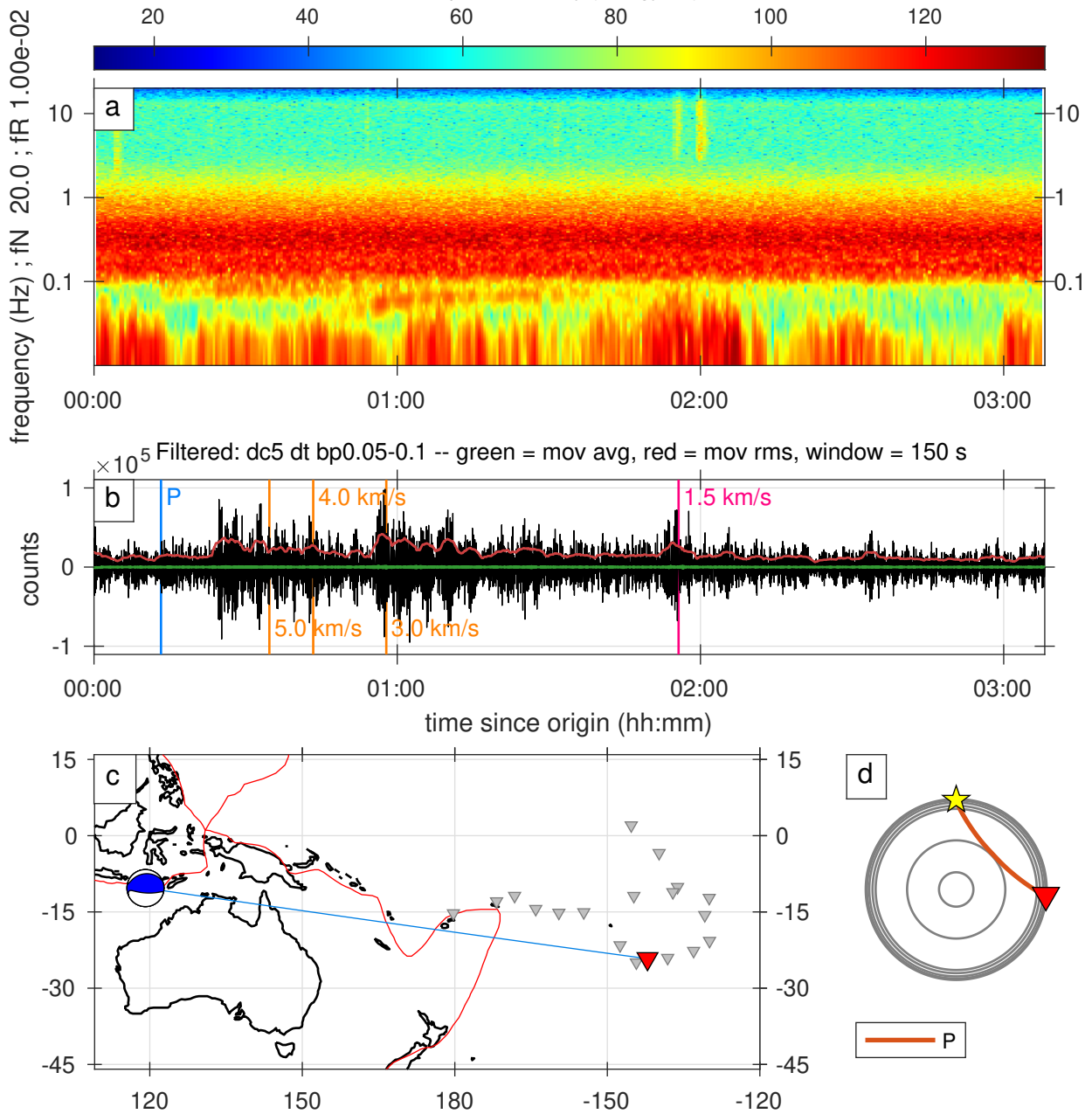


Figure S78. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-26T04:01:00.000000, ID: 10999596

Mww = 6.20, distance = 61.20 degrees, depth = 361.92 km

78.00 - 81.19 percent

spectral density (energy/Hz)

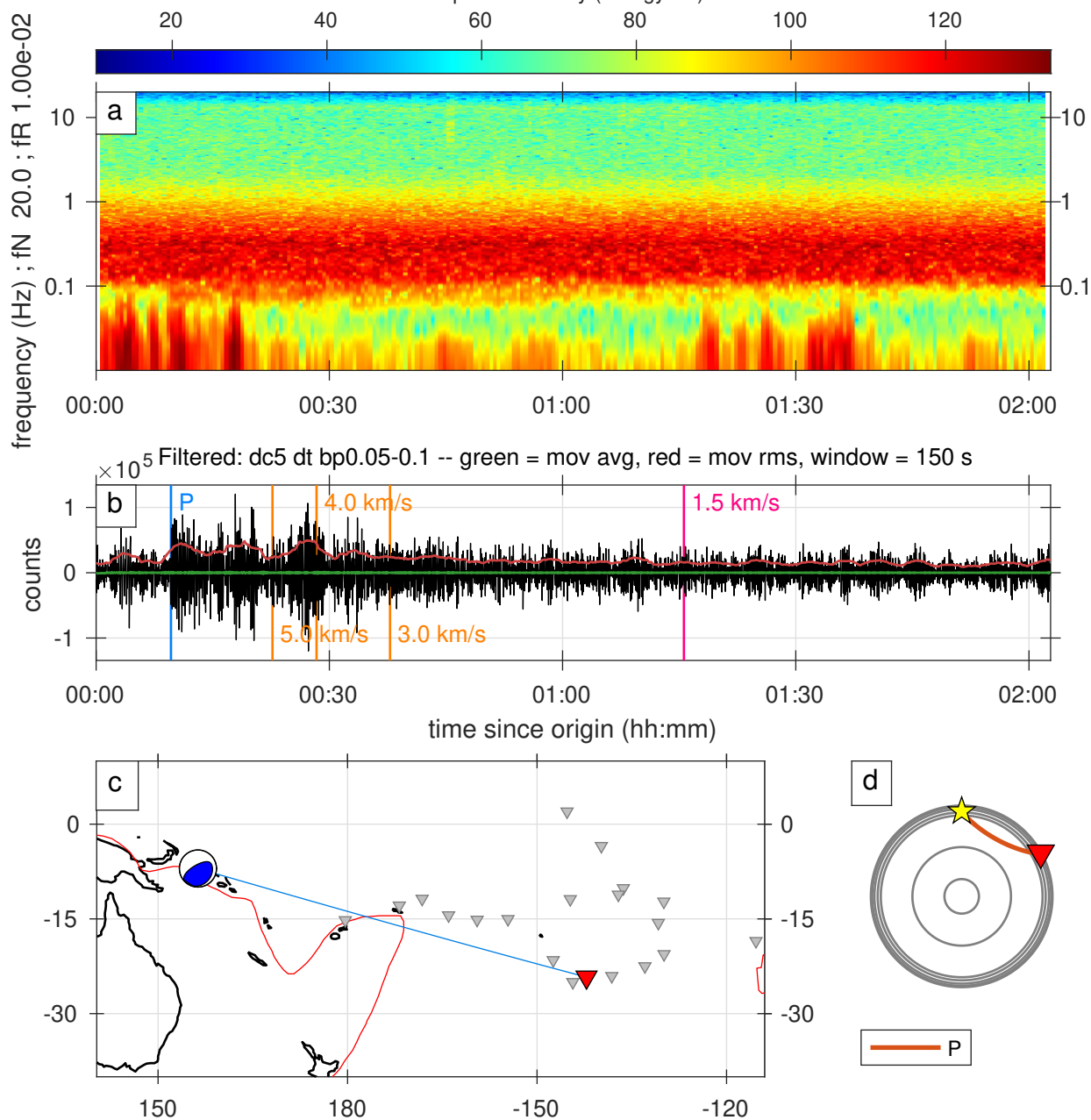


Figure S79. A full record of an earthquake classified as 2stars category.

Arrival: 2019-01-26T08:25:00.000000, ID: 10999641

Mww = 5.90, distance = 82.34 degrees, depth = 10.00 km

84.78 - 89.06 percent

spectral density (energy/Hz)

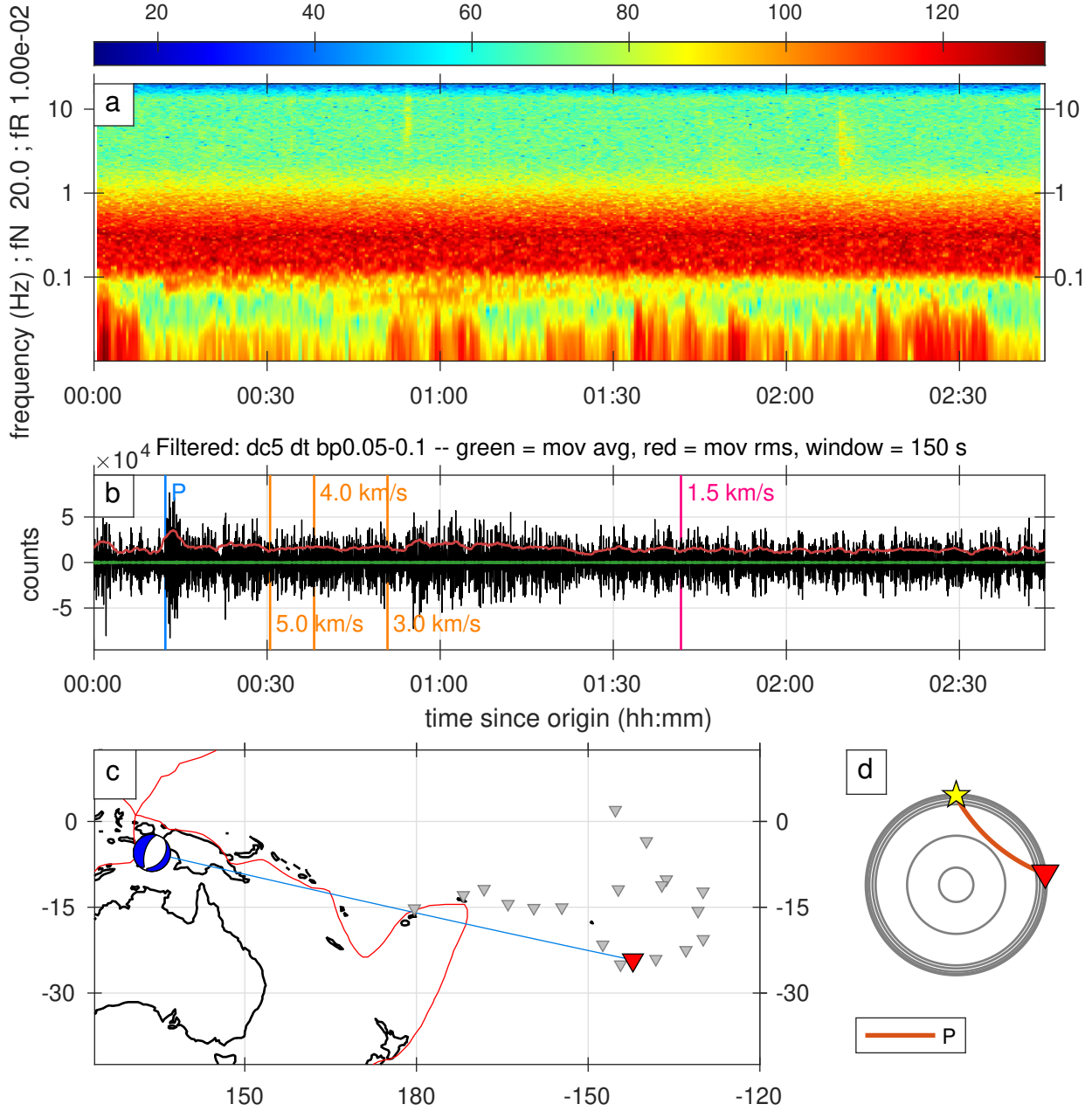


Figure S80. A full record of an earthquake classified as 2stars category.

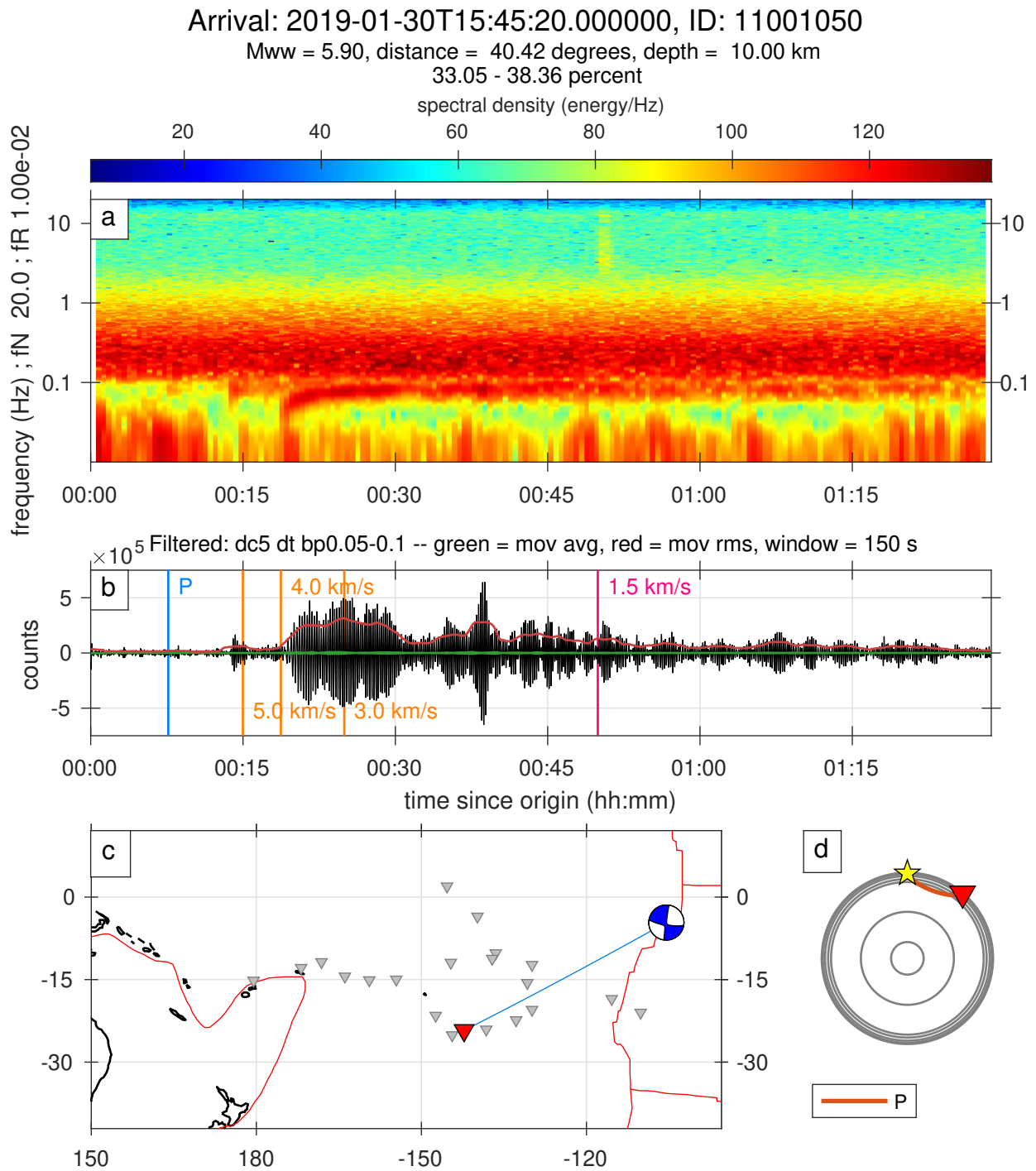


Figure S81. A full record of an earthquake classified as 2stars category.

Arrival: 2019-02-27T02:50:59.141764, ID: 11009267

mb = 5.10, distance = 32.34 degrees, depth = 10.00 km

58.12 - 58.97 percent

spectral density (energy/Hz)

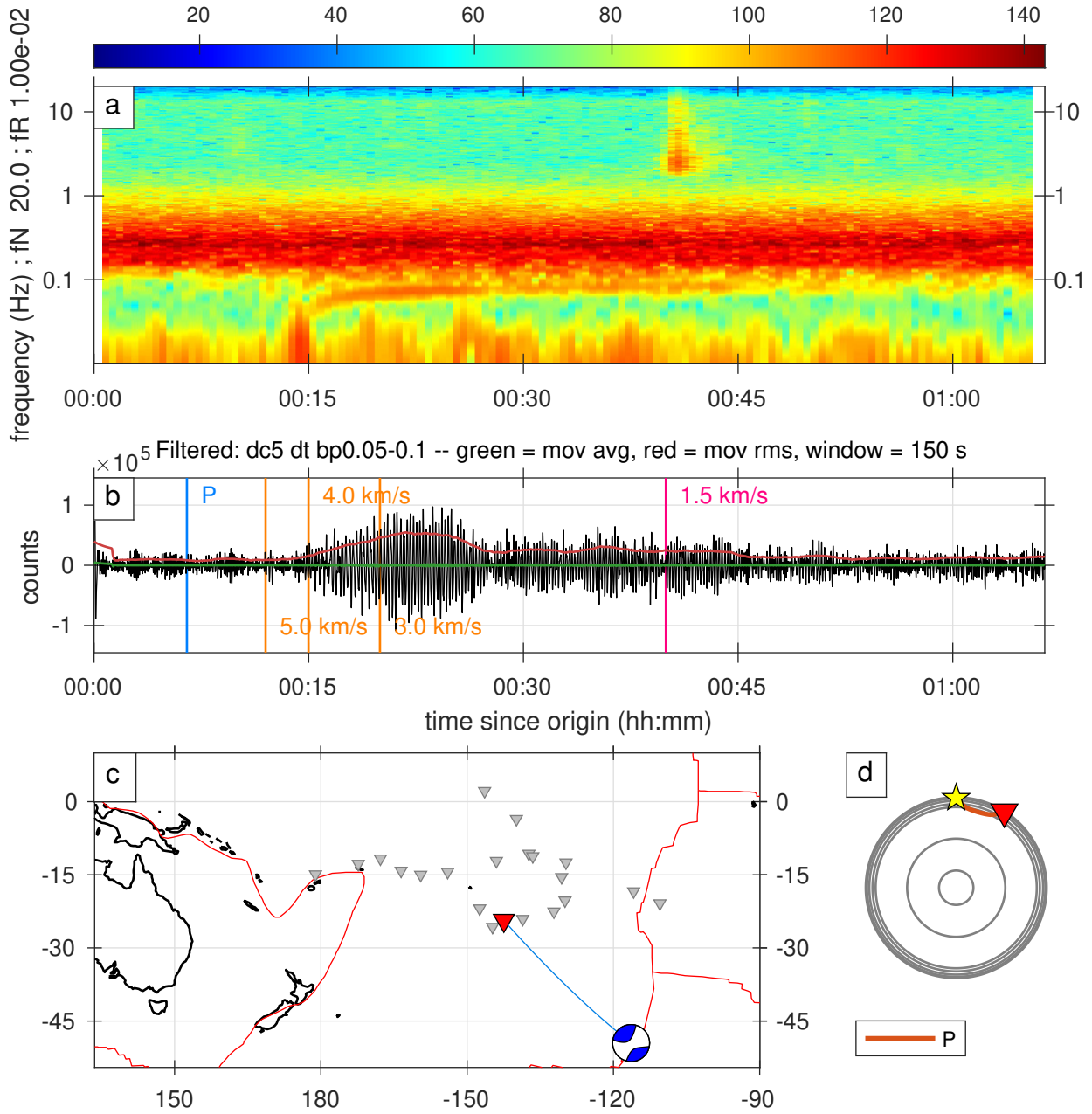


Figure S82. A full record of an earthquake classified as 2stars category.

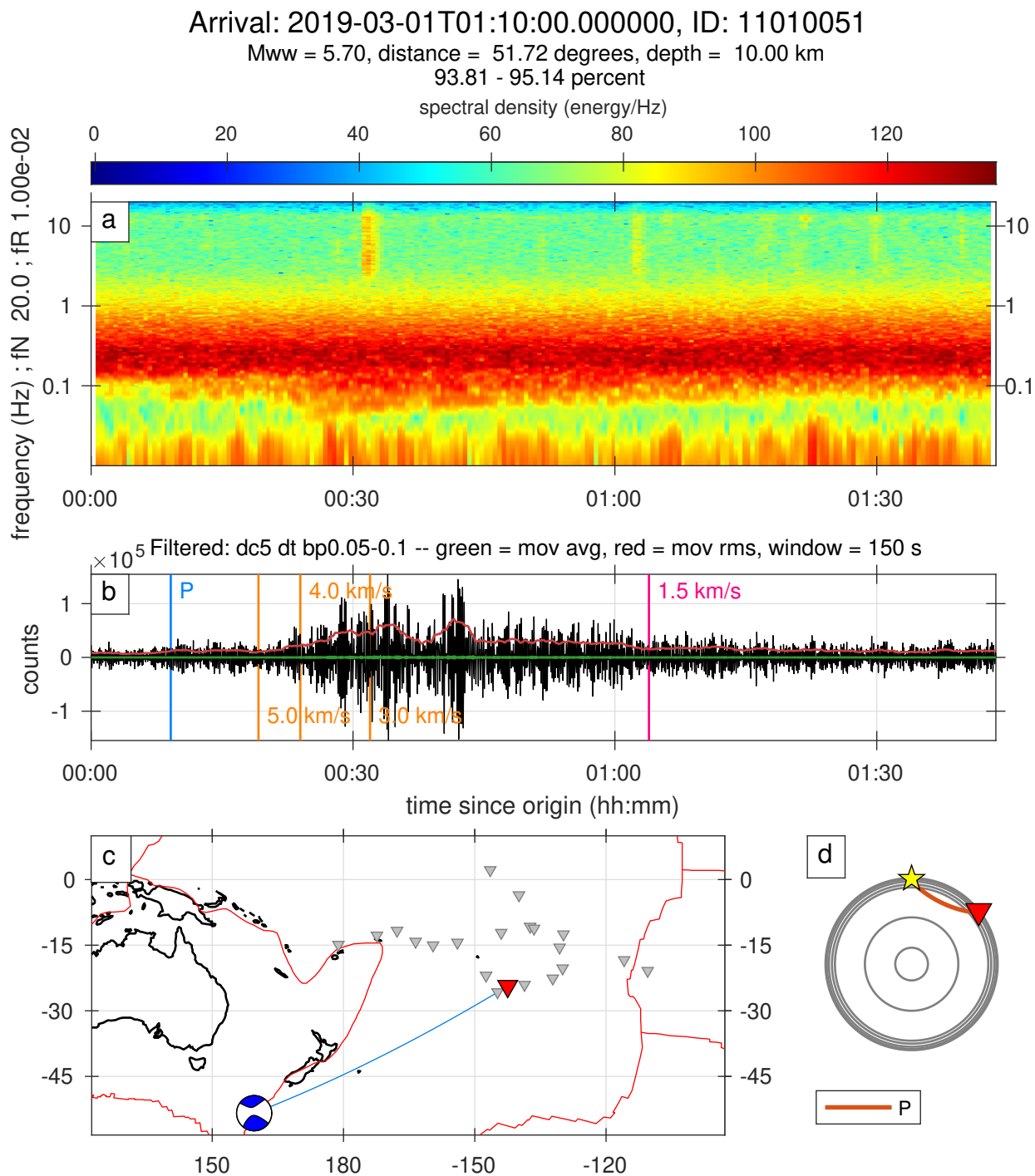


Figure S83. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-06T20:26:30.000000, ID: 11011957

Mww = 5.80, distance = 31.84 degrees, depth = 11.18 km

93.10 - 94.11 percent

spectral density (energy/Hz)

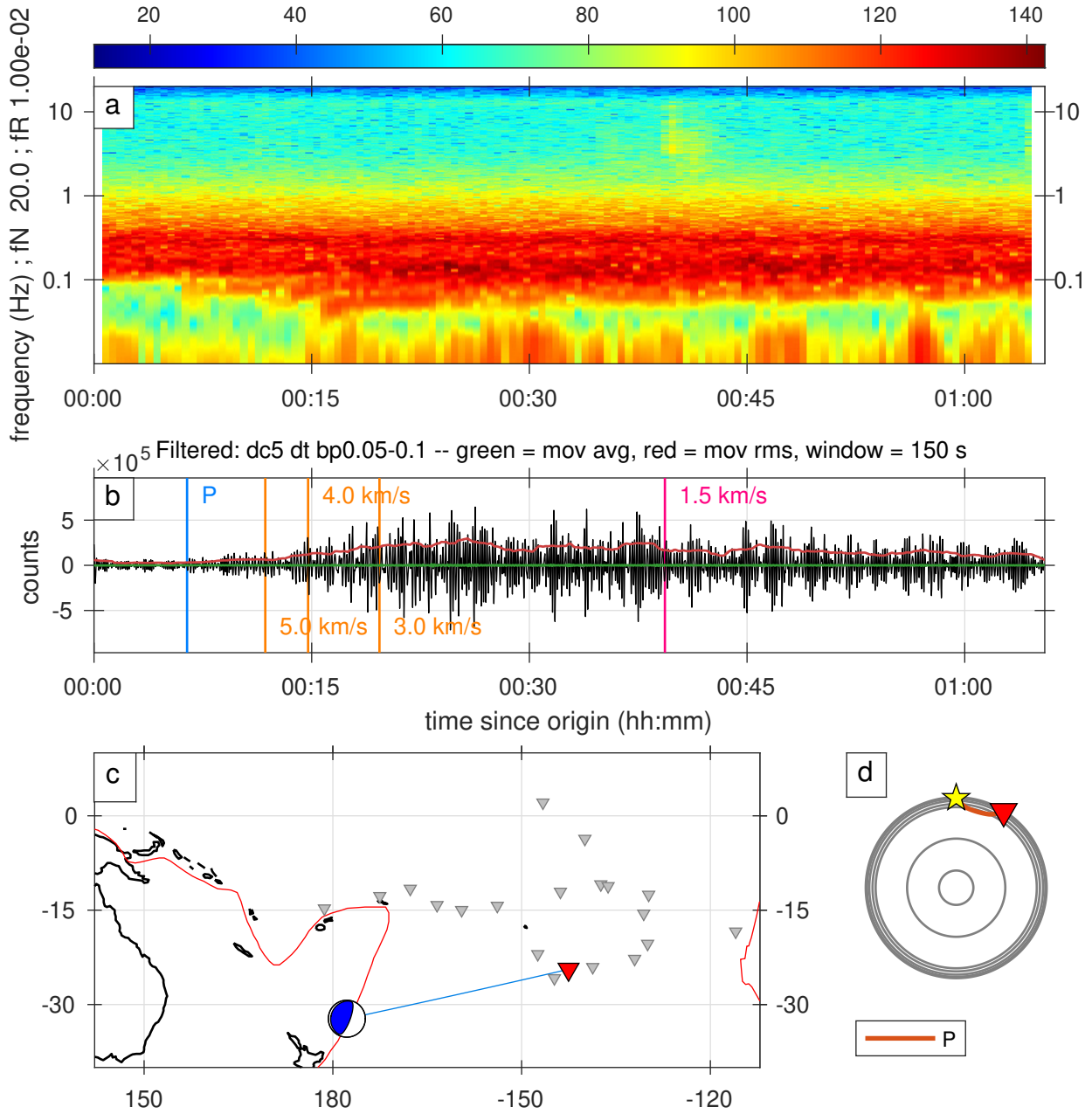


Figure S84. A full record of an earthquake classified as 2stars category.

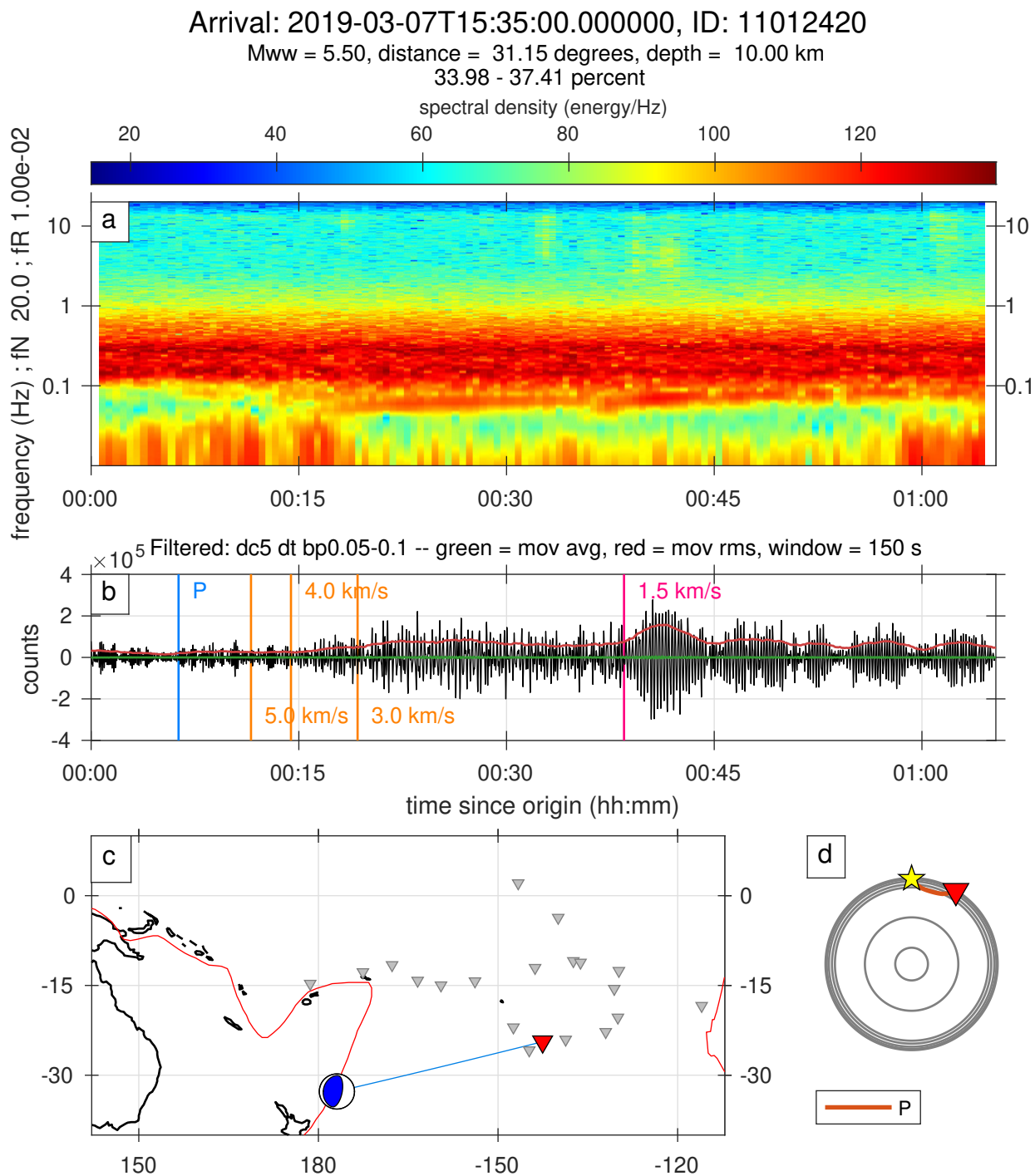


Figure S85. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-07T16:35:37.367699, ID: 11012435

Mww = 5.70, distance = 32.38 degrees, depth = 20.80 km
37.23 - 40.71 percent

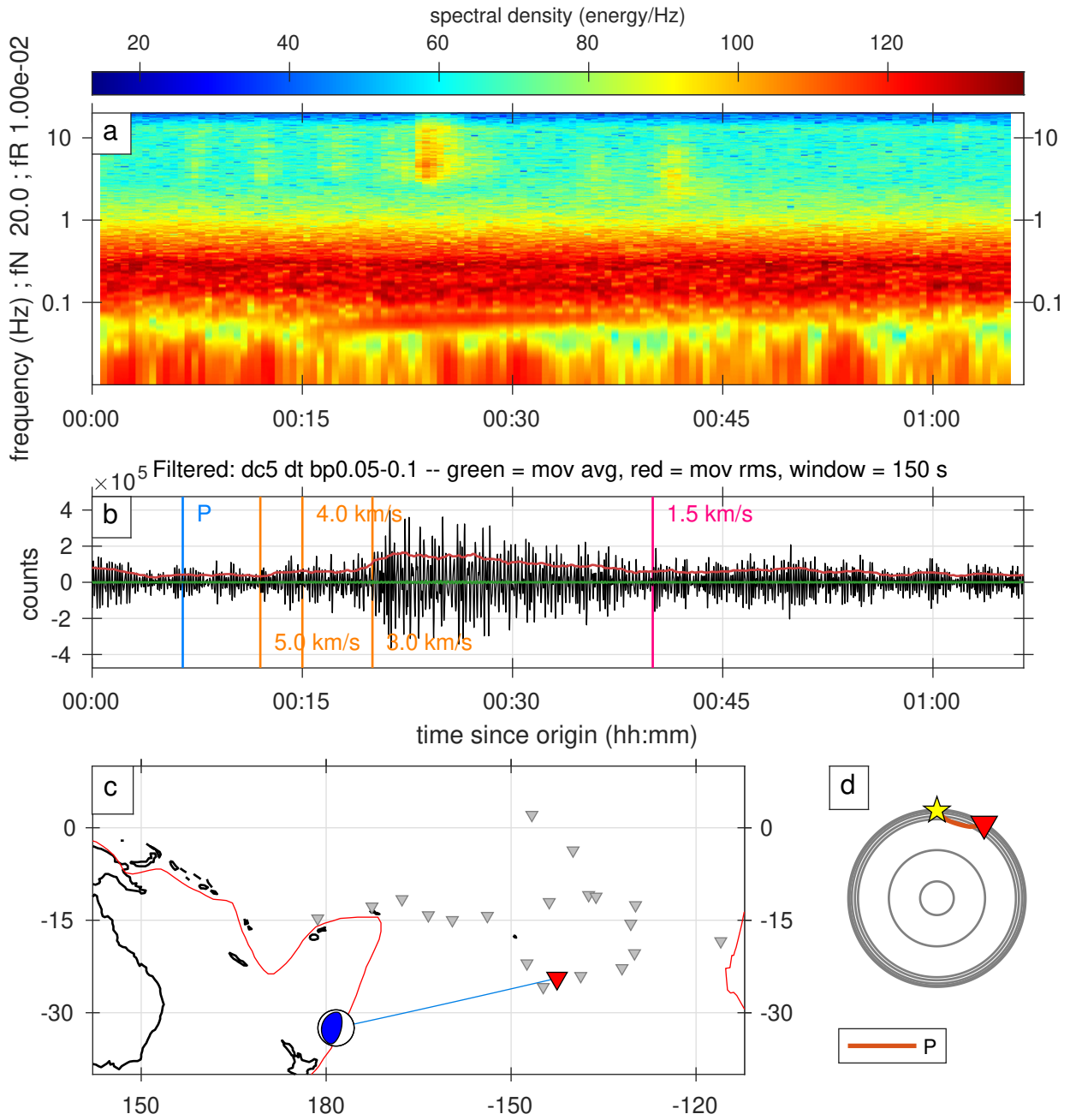


Figure S86. A full record of an earthquake classified as 2stars category.

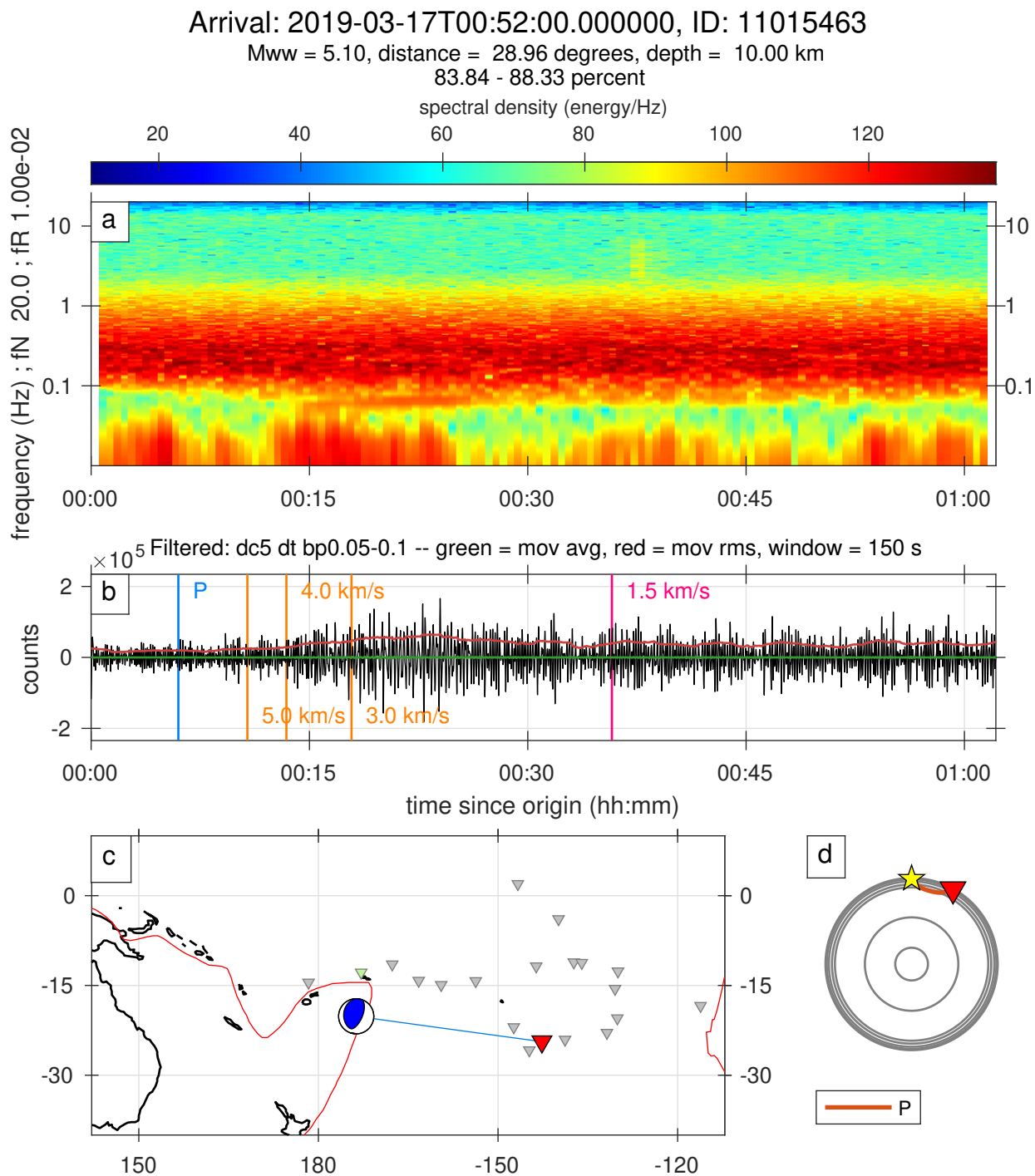


Figure S87. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-20T15:32:20.000000, ID: 11016677

Mww = 6.30, distance = 47.23 degrees, depth = 119.00 km

67.55 - 70.69 percent

spectral density (energy/Hz)

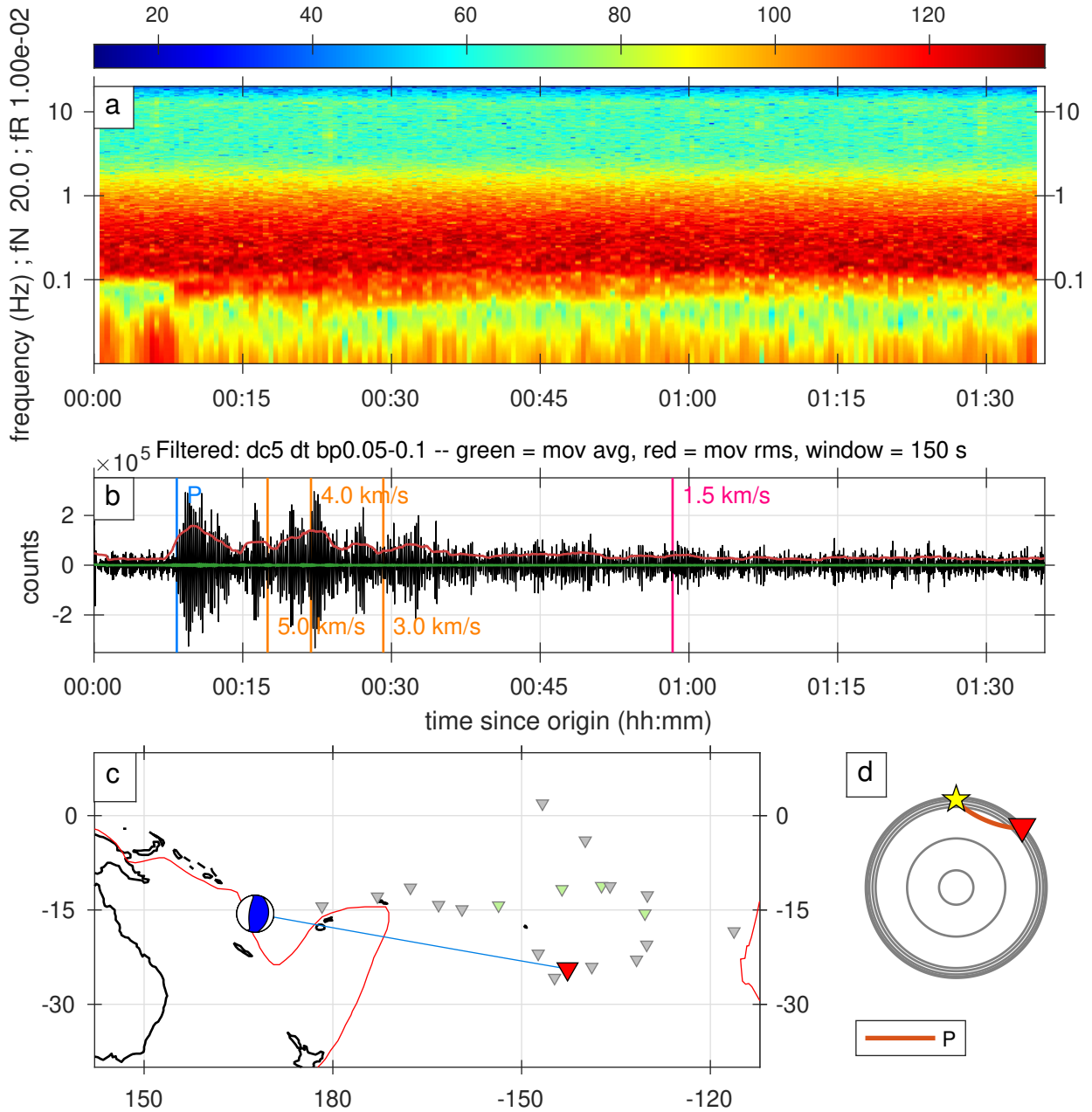


Figure S88. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-26T12:12:20.972782, ID: 11018667

Mww = 5.60, distance = 63.90 degrees, depth = 10.00 km

88.43 - 93.42 percent

spectral density (energy/Hz)

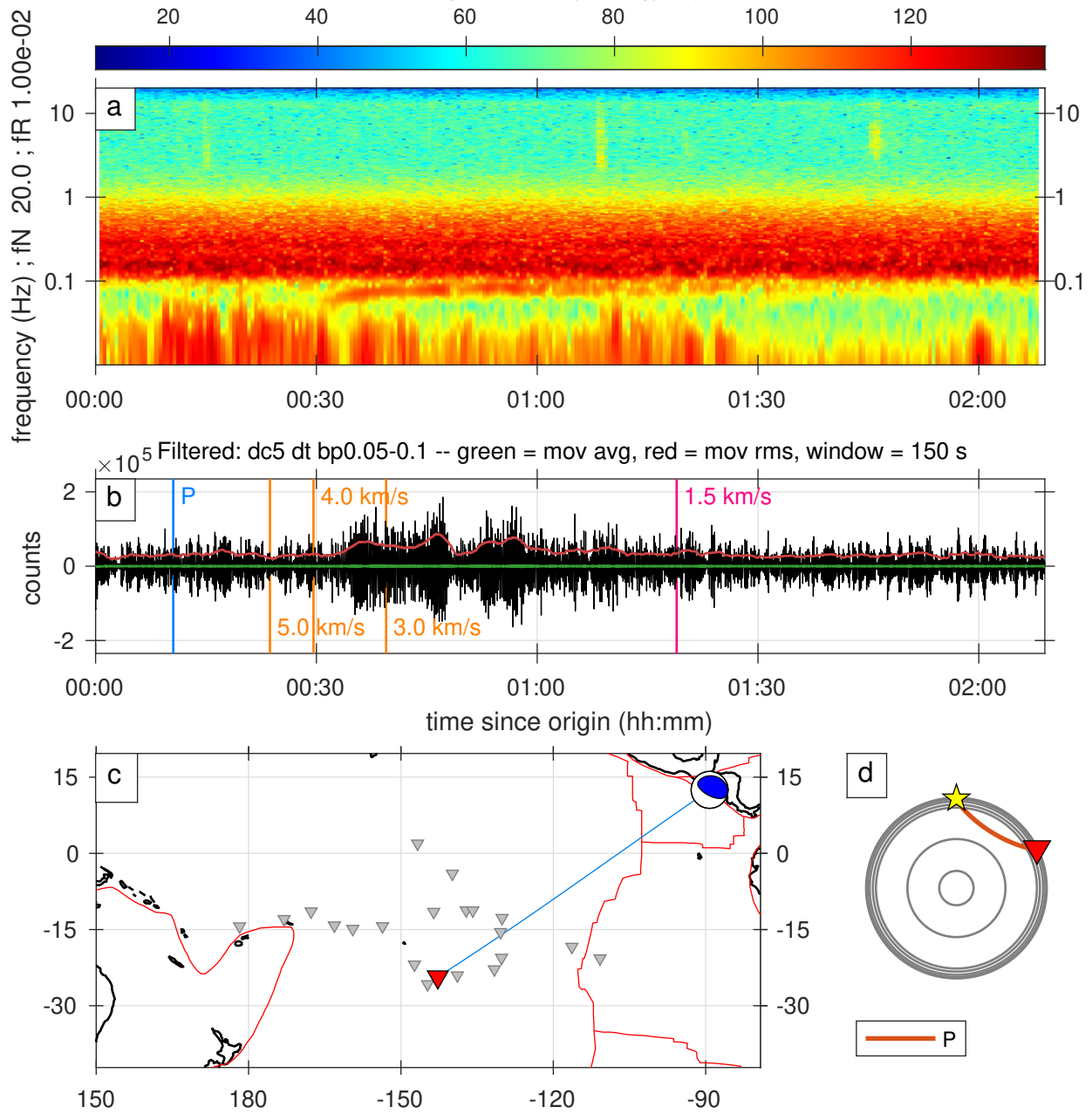


Figure S89. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-28T22:20:00.000000, ID: 11019798

Mww = 6.20, distance = 90.26 degrees, depth = 8.96 km

47.75 - 52.45 percent

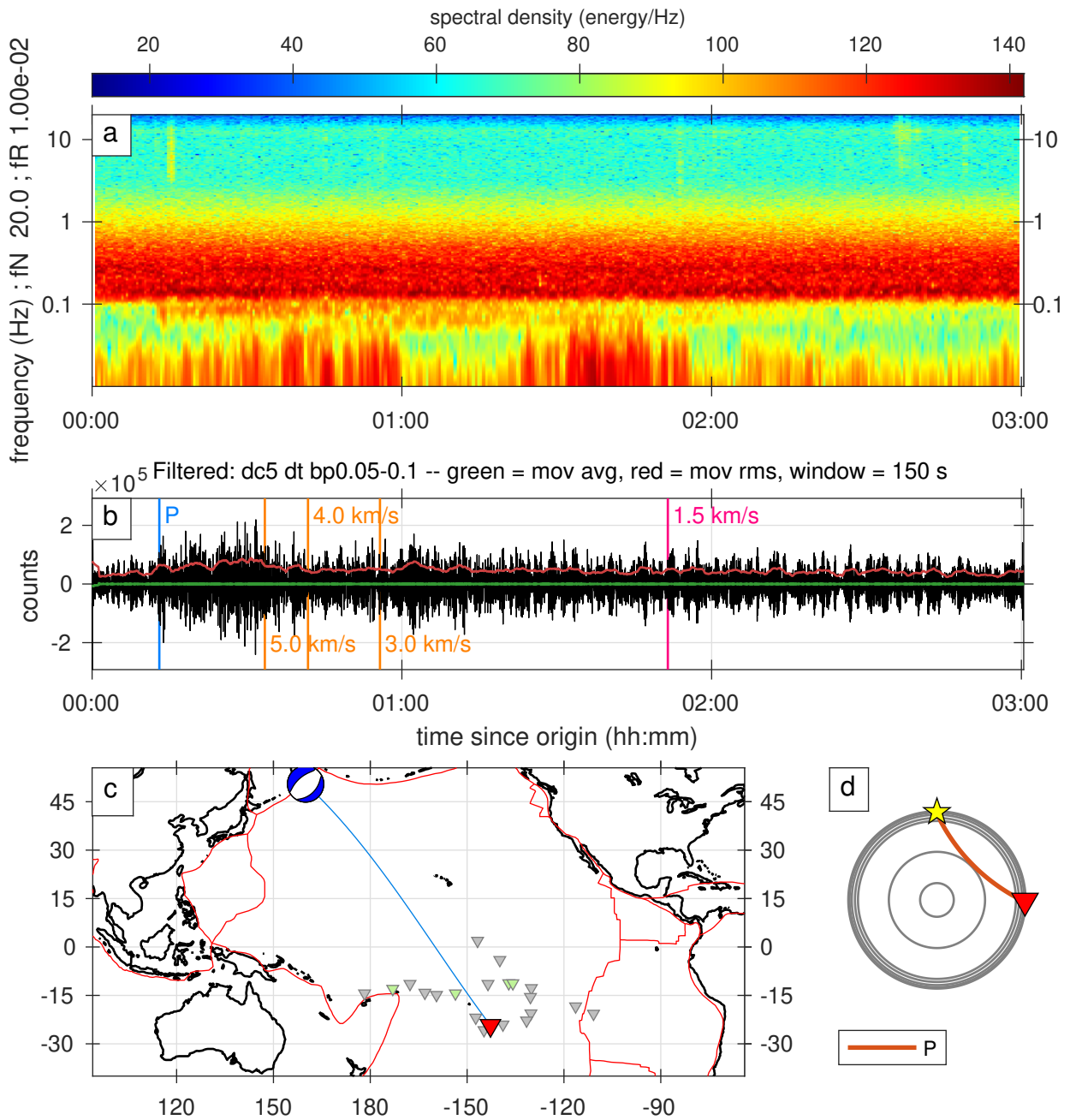


Figure S90. A full record of an earthquake classified as 2stars category.

Arrival: 2019-03-31T07:14:15.000000, ID: 11020682

Mww = 6.20, distance = 63.76 degrees, depth = 18.00 km

55.99 - 62.44 percent

spectral density (energy/Hz)

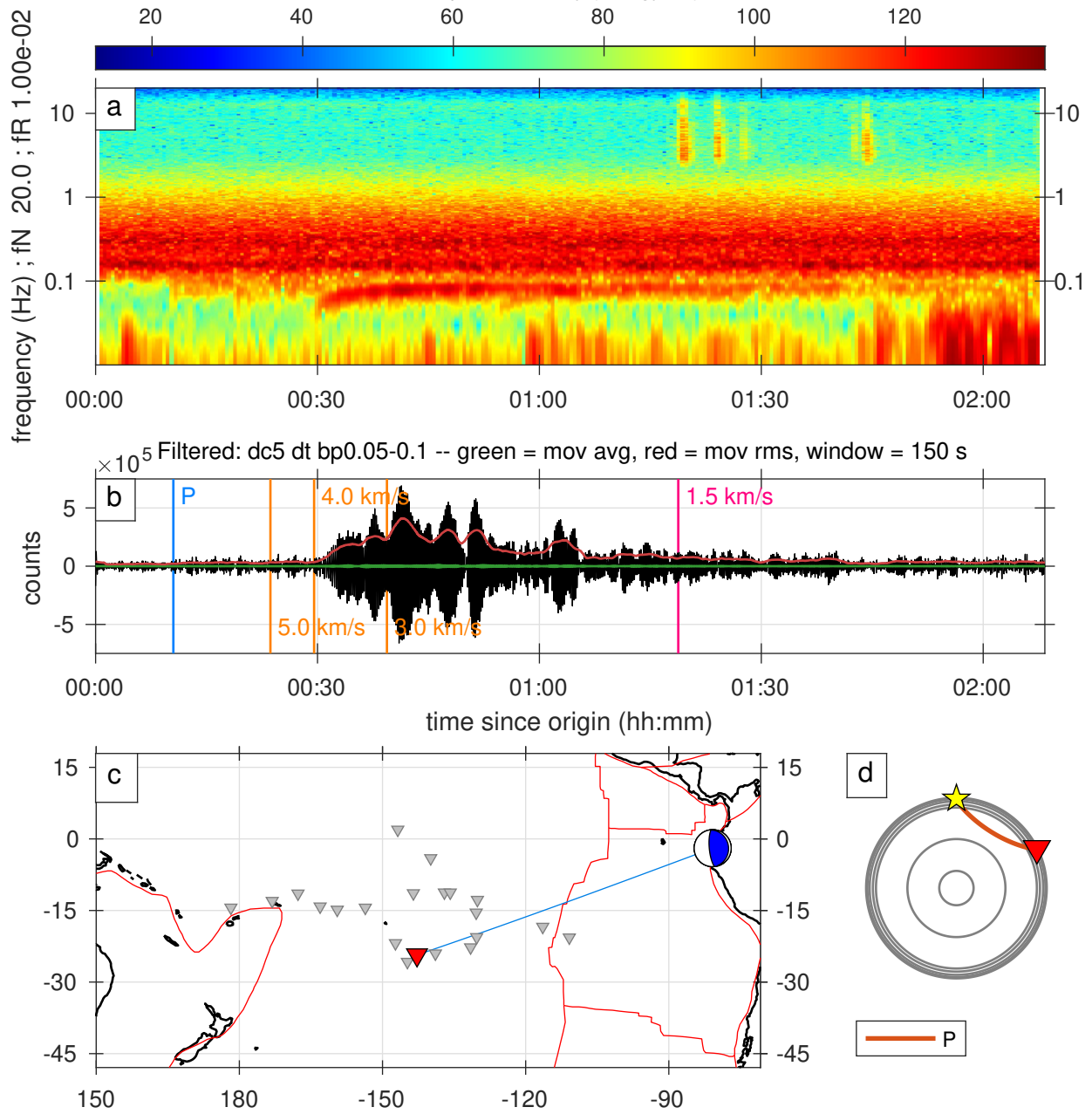


Figure S91. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-05T18:56:58.914245, ID: 11022811

Mww = 5.80, distance = 61.40 degrees, depth = 10.00 km

17.07 - 19.17 percent

spectral density (energy/Hz)

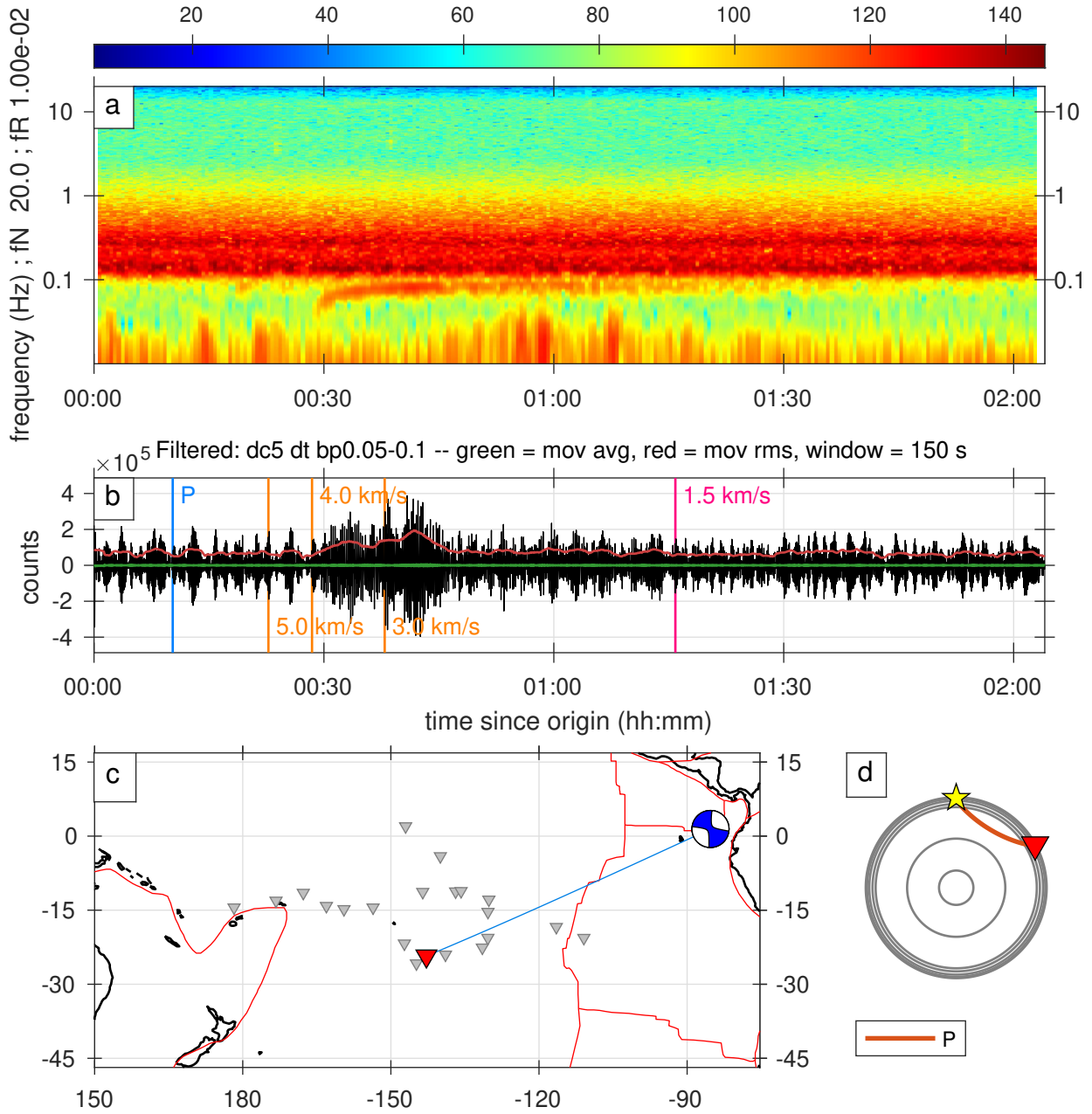


Figure S92. A full record of an earthquake classified as 2stars category.

62.82 - 64.50 percent

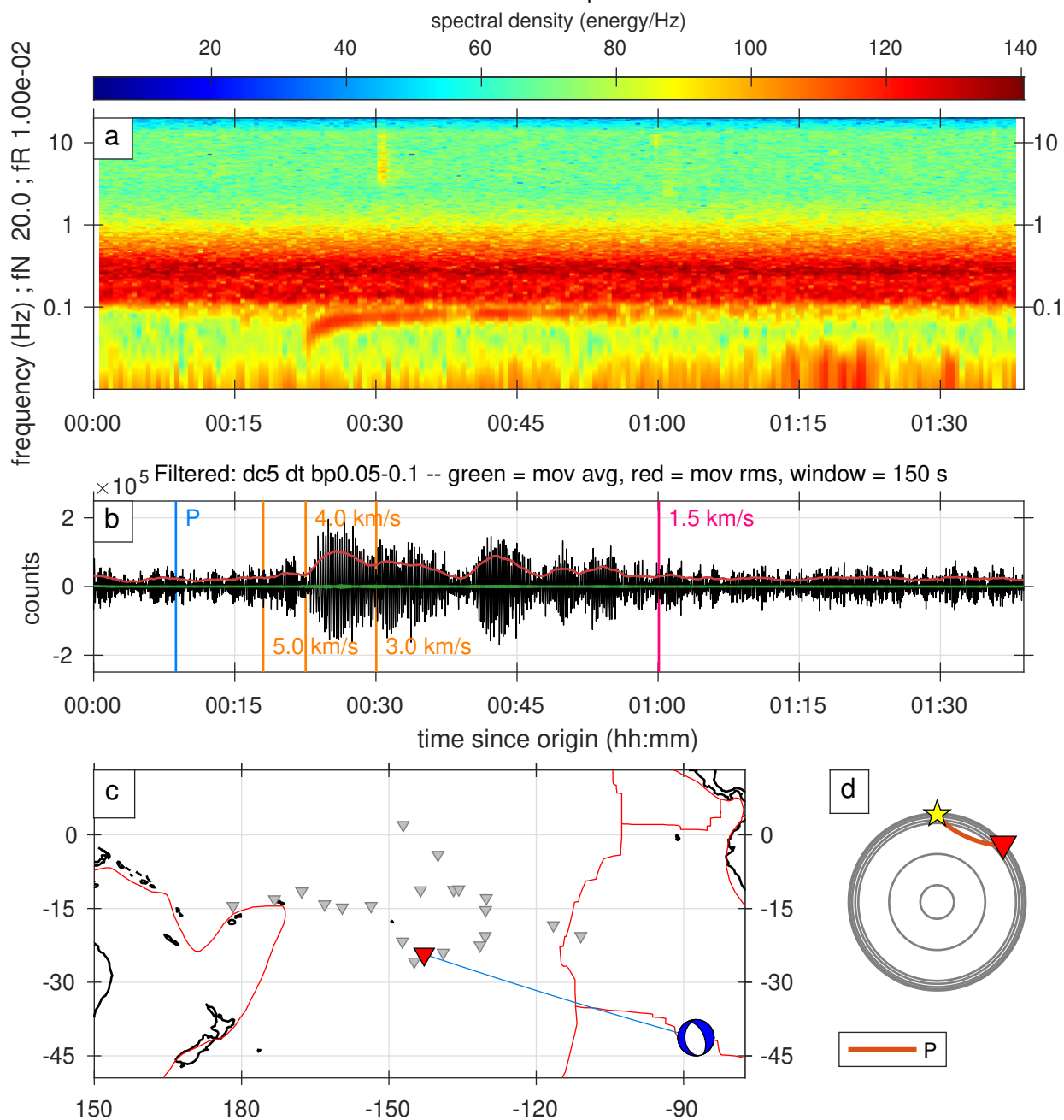


Figure S93. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-09T18:06:15.000000, ID: 11024052

Mww = 6.50, distance = 82.47 degrees, depth = 44.83 km

16.63 - 20.00 percent

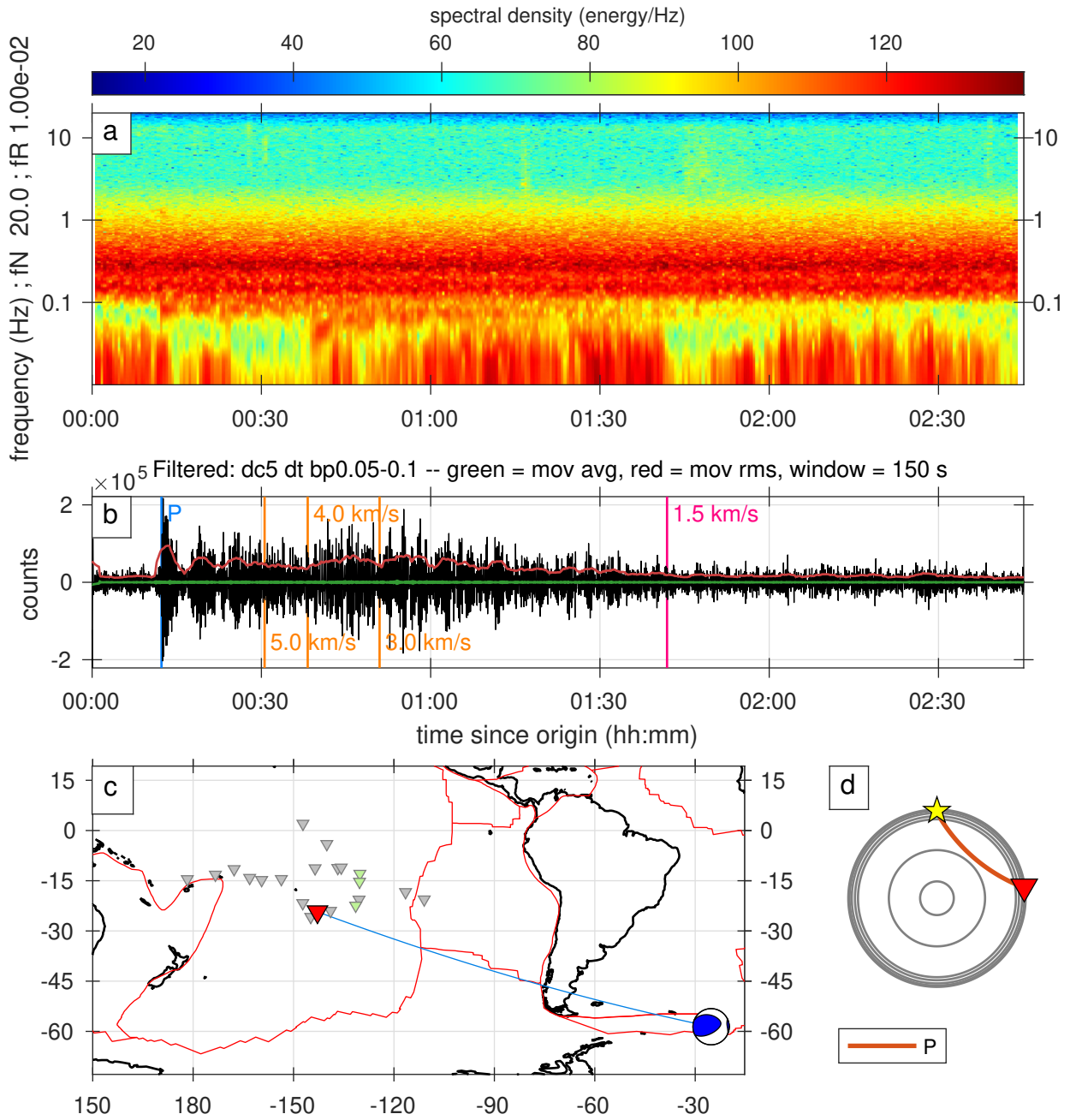


Figure S94. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-12T11:54:00.000000, ID: 11024890

Mww = 6.80, distance = 93.40 degrees, depth = 17.48 km

96.20 - 100.00 percent

spectral density (energy/Hz)

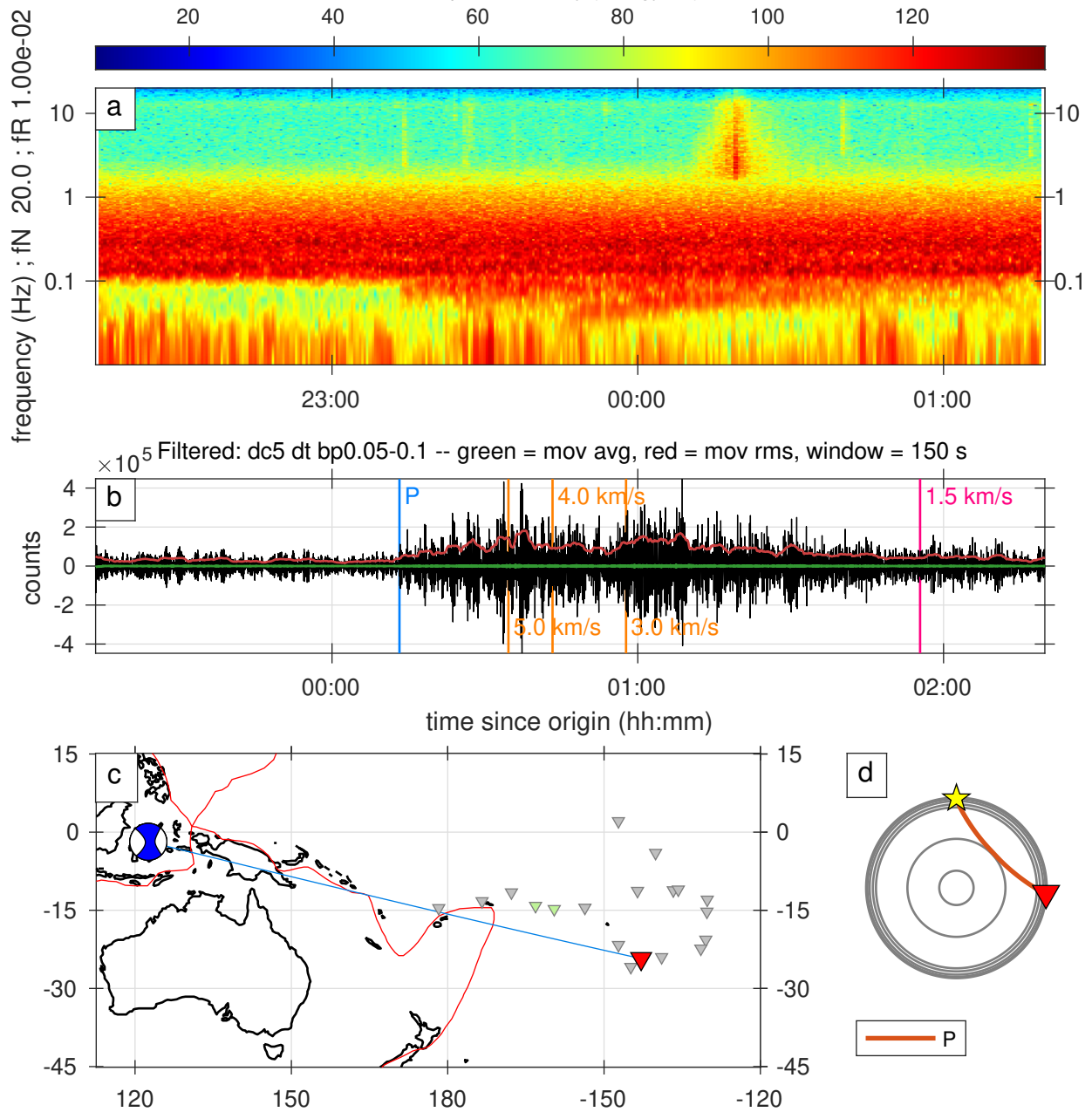


Figure S95. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-18T14:56:30.000000, ID: 11027275

Mww = 6.50, distance = 63.69 degrees, depth = 10.00 km

64.83 - 66.13 percent

spectral density (energy/Hz)

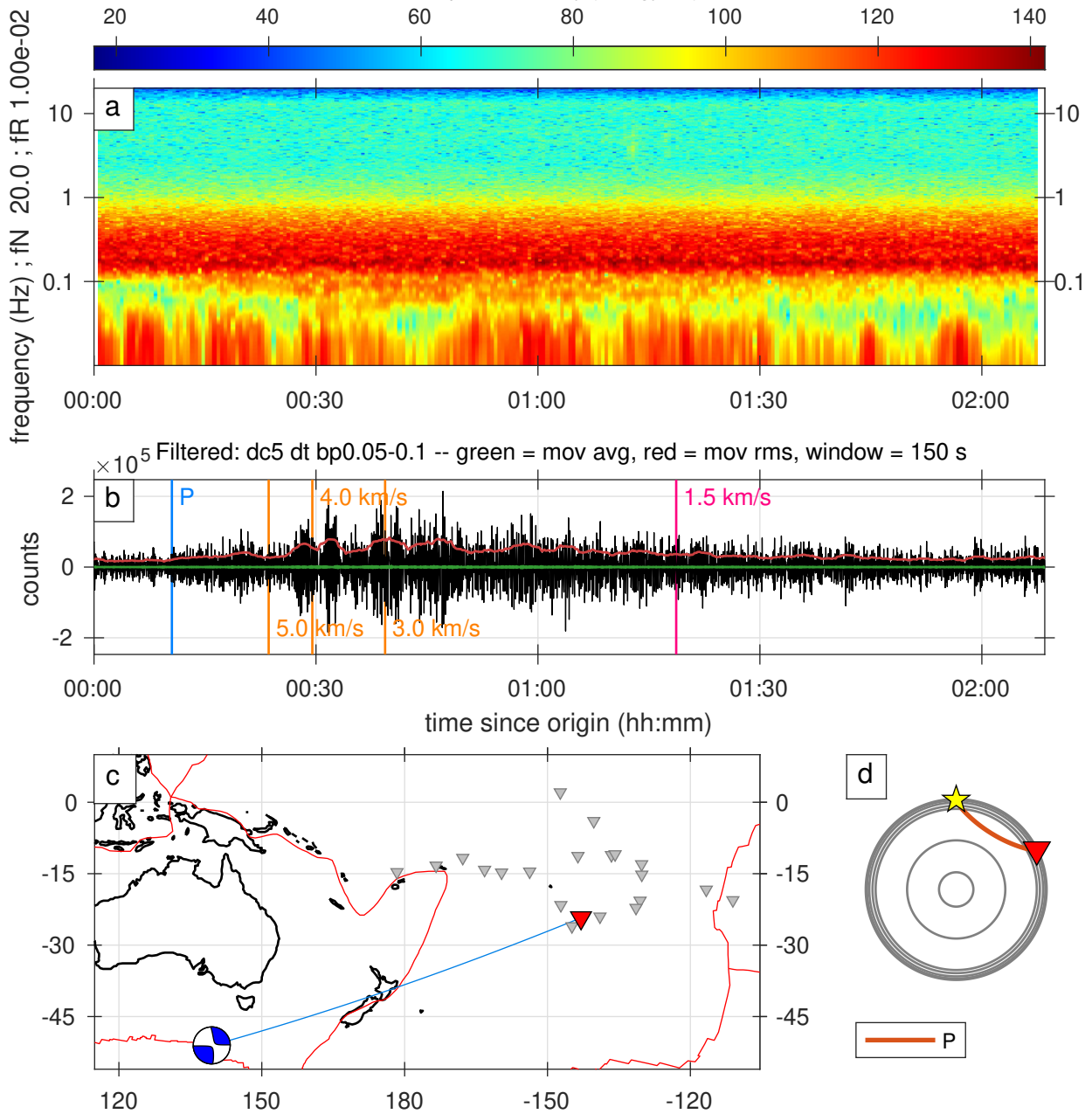


Figure S96. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-23T05:50:00.000000, ID: 11028997

Mww = 6.40, distance = 96.44 degrees, depth = 54.00 km

61.04 - 72.26 percent

spectral density (energy/Hz)

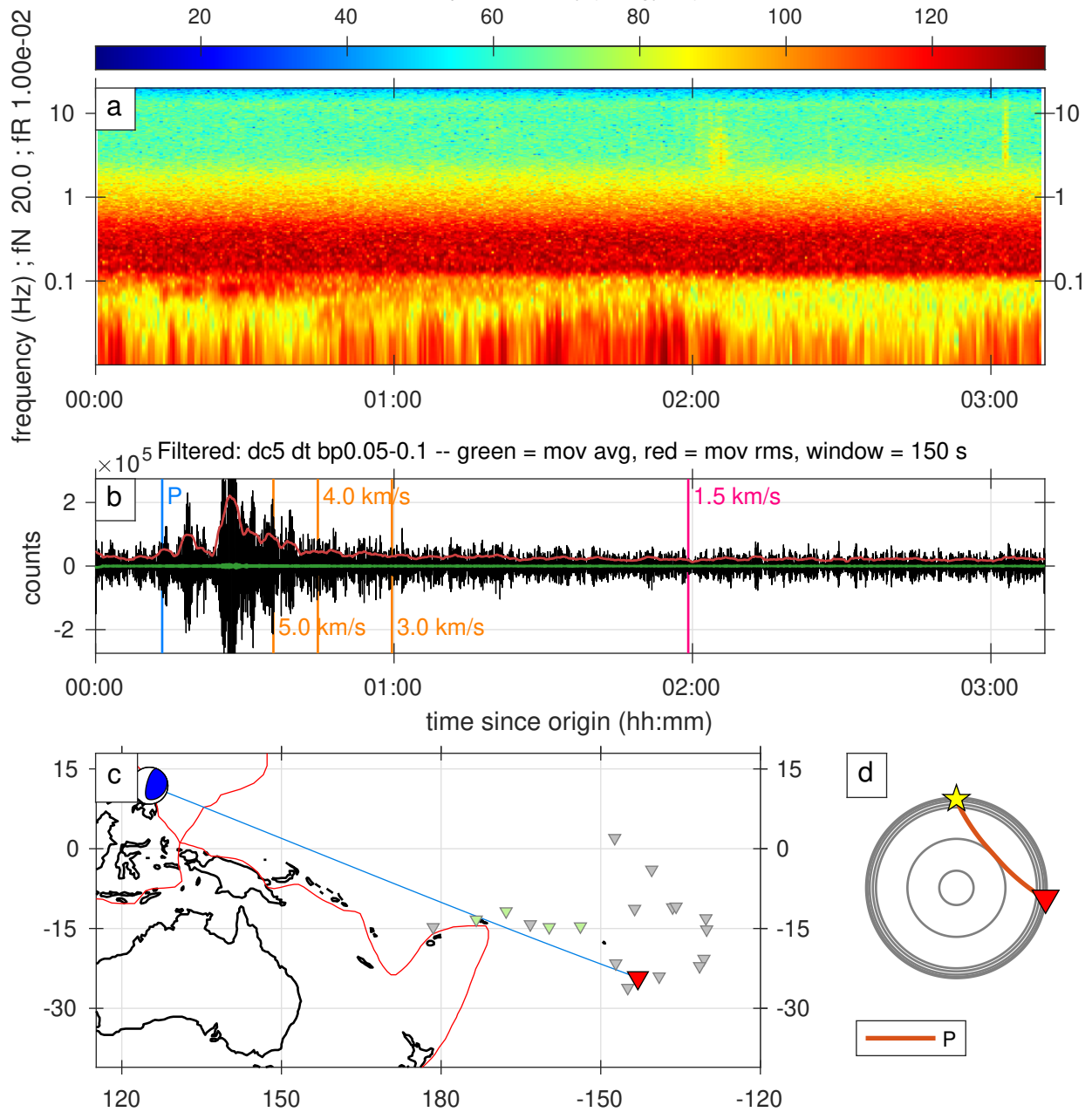


Figure S97. A full record of an earthquake classified as 2stars category.

Arrival: 2019-04-23T14:26:20.000000, ID: 11029096

Mww = 6.00, distance = 32.43 degrees, depth = 385.58 km

91.76 - 95.65 percent

spectral density (energy/Hz)

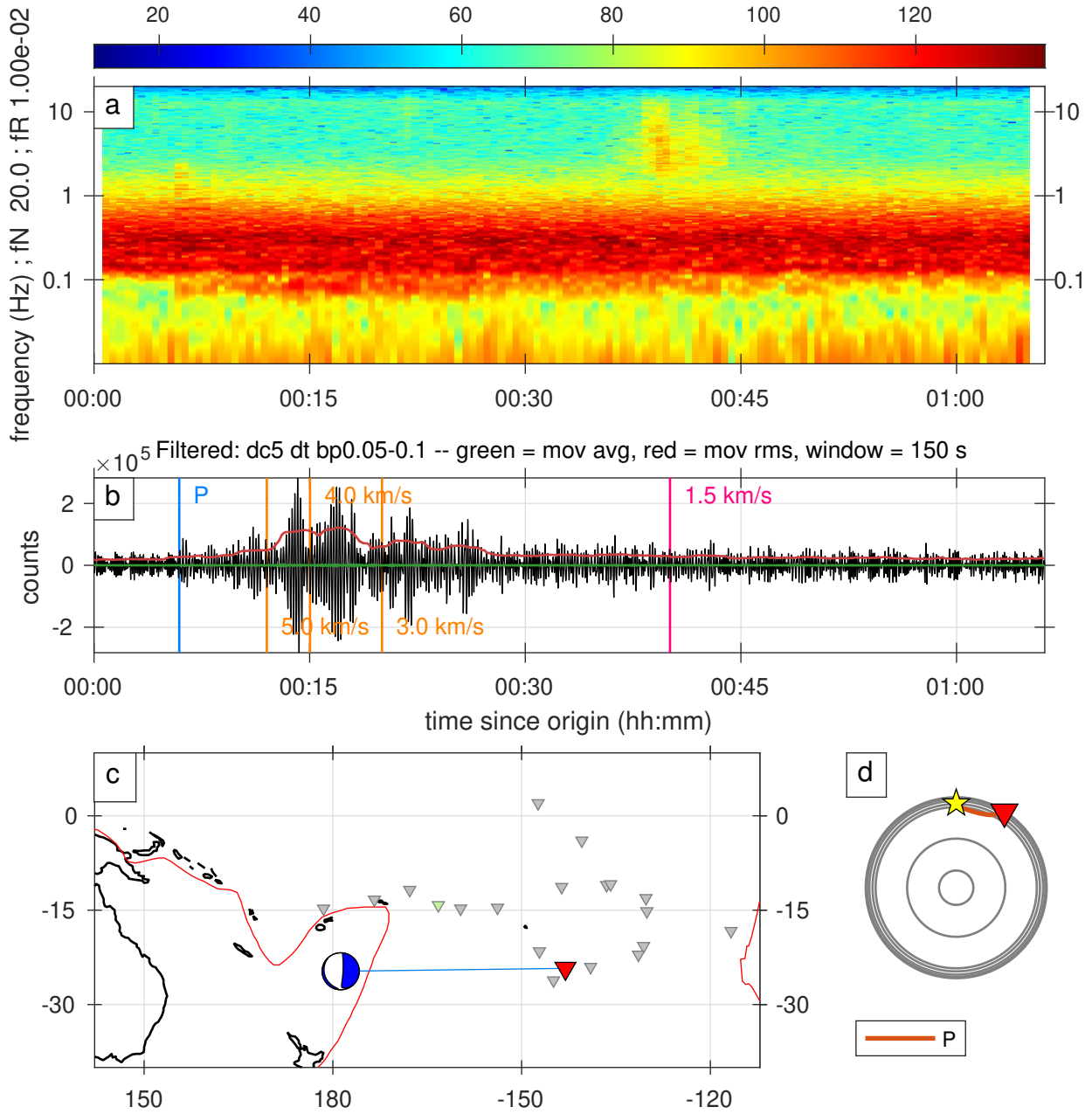


Figure S98. A full record of an earthquake classified as 2stars category.

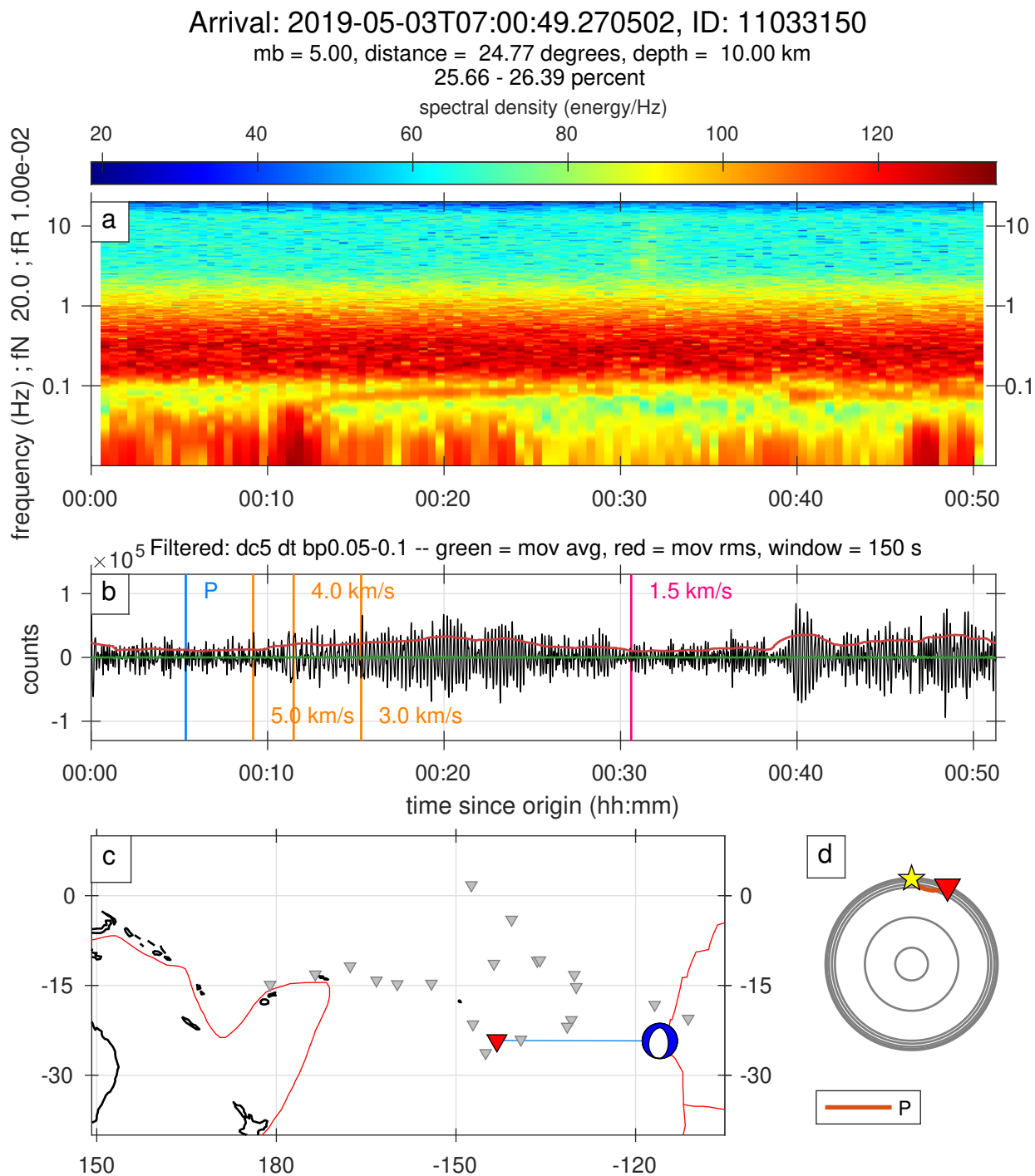


Figure S99. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-03T07:35:00.000000, ID: 11033154

Mww = 6.20, distance = 56.87 degrees, depth = 10.00 km

26.09 - 27.73 percent

spectral density (energy/Hz)

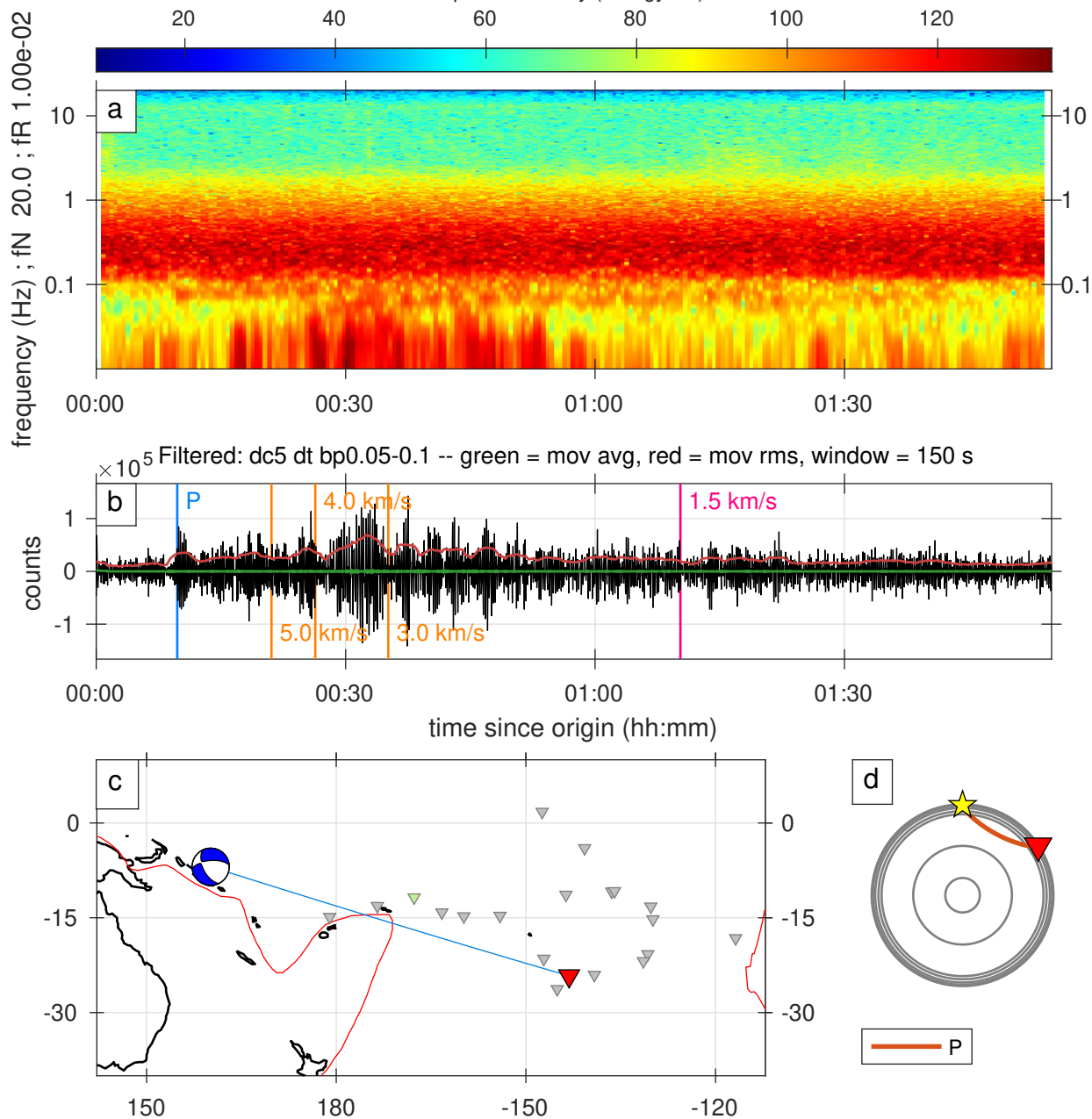


Figure S100. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-04T00:13:09.800537, ID: 11033418

Mww = 5.40, distance = 24.87 degrees, depth = 10.00 km

40.42 - 41.16 percent

spectral density (energy/Hz)

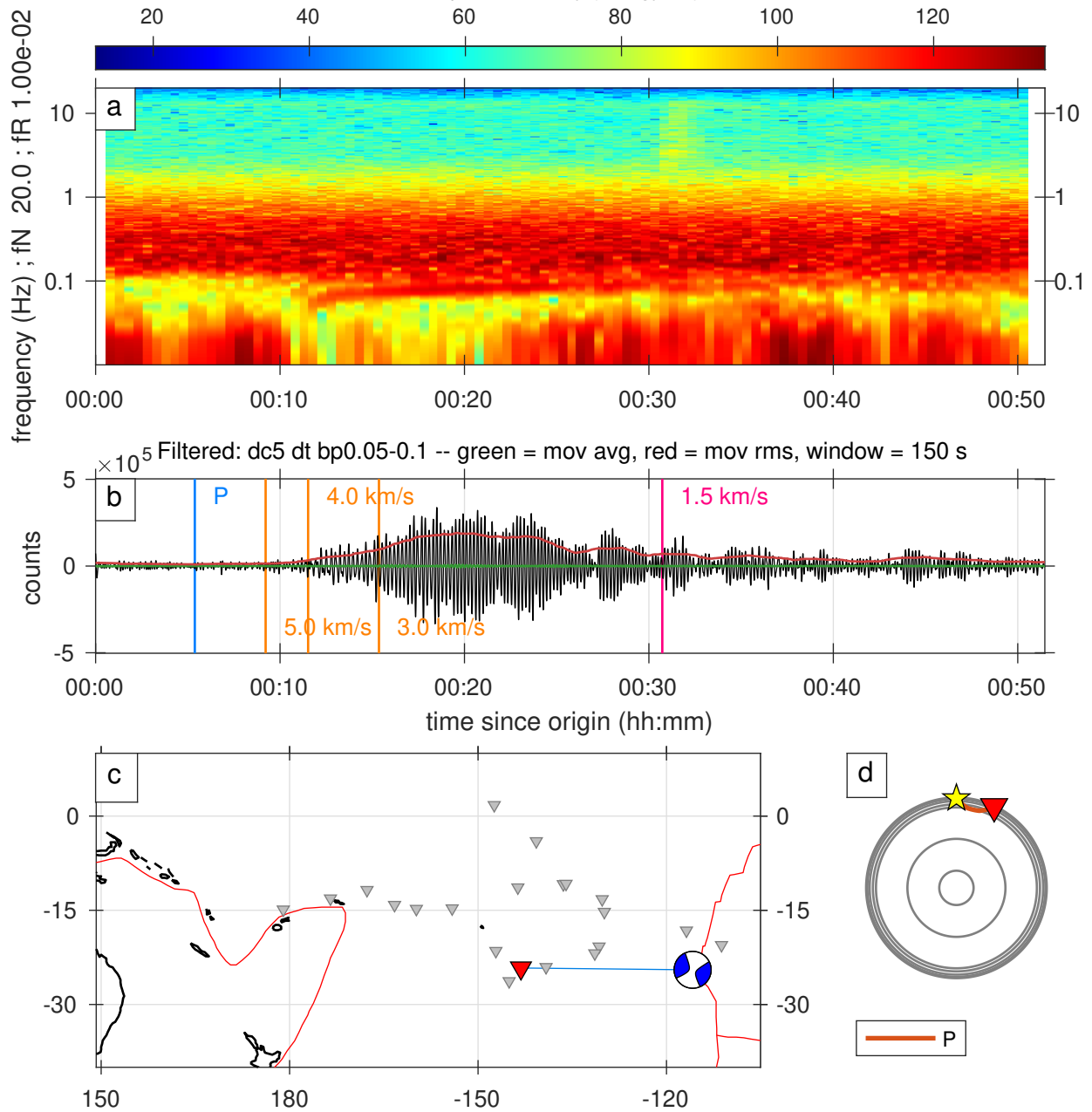


Figure S101. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-08T13:57:52.413588, ID: 11035010

Mww = 5.70, distance = 64.00 degrees, depth = 15.34 km

34.10 - 38.27 percent

spectral density (energy/Hz)

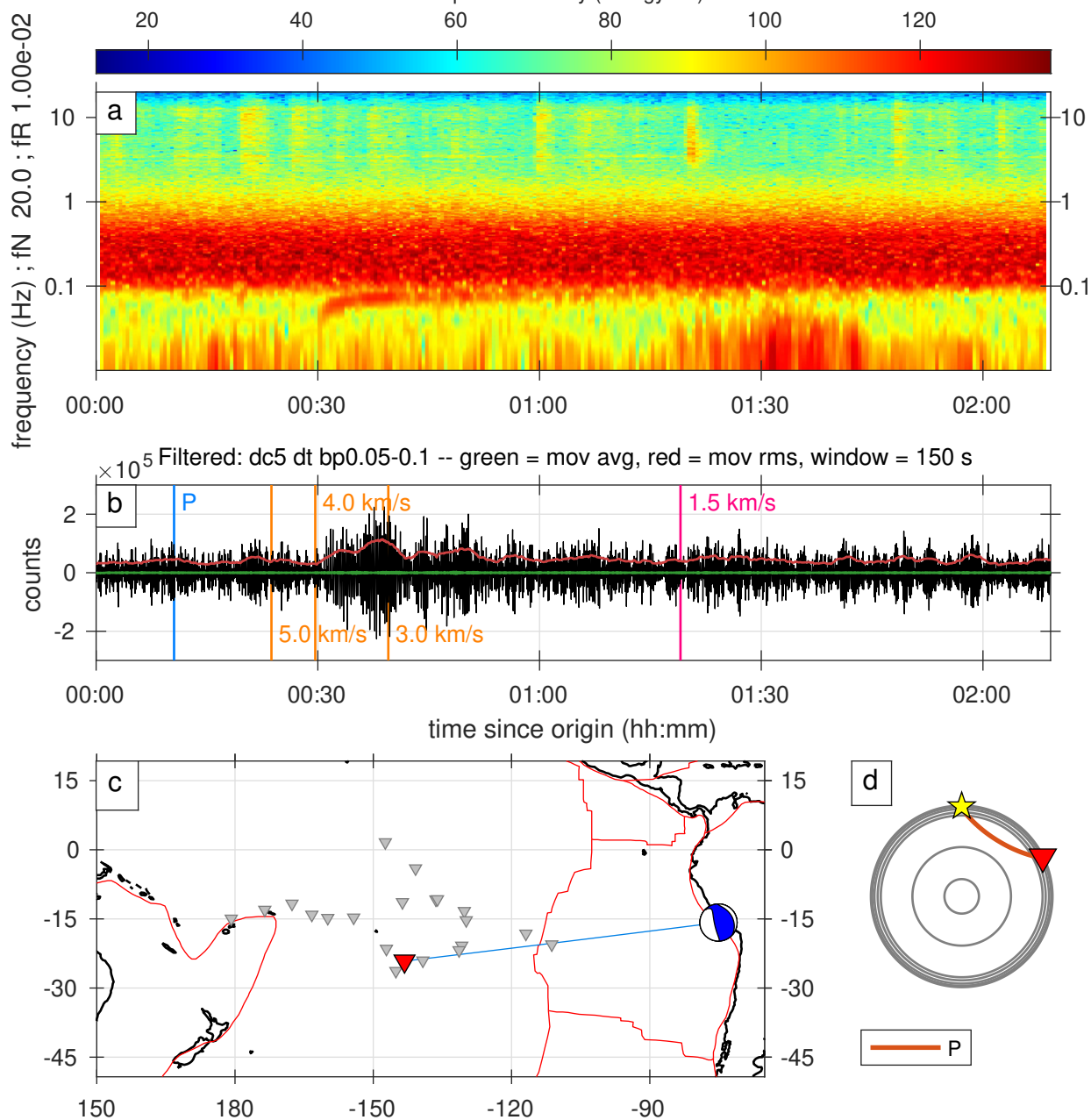


Figure S102. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-10T03:30:00.000000, ID: 11035792

Mww = 5.70, distance = 30.29 degrees, depth = 10.00 km

9.68 - 12.50 percent

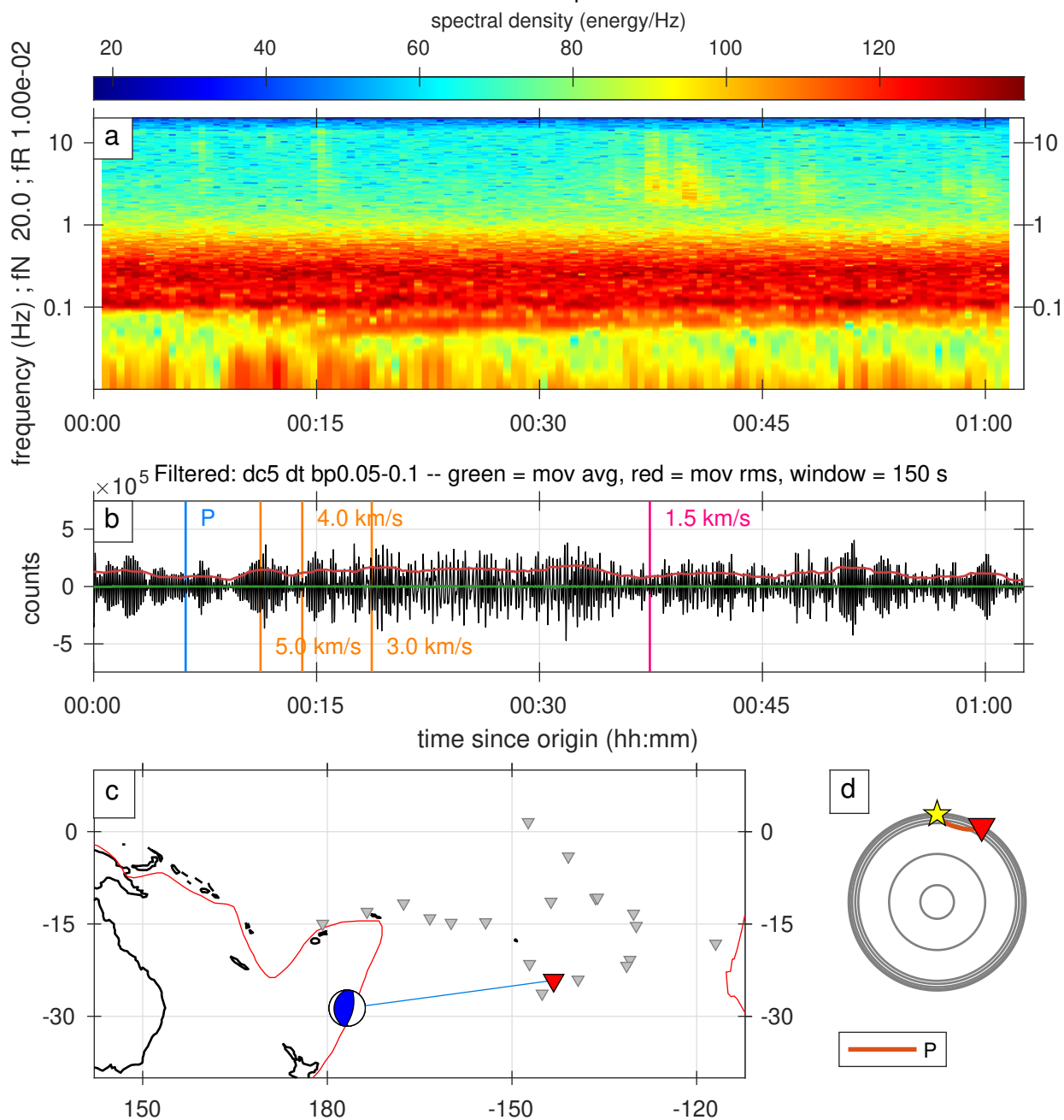


Figure S103. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-12T19:35:00.000000, ID: 11036537

Mww = 6.00, distance = 67.40 degrees, depth = 19.00 km
34.57 - 37.11 percent

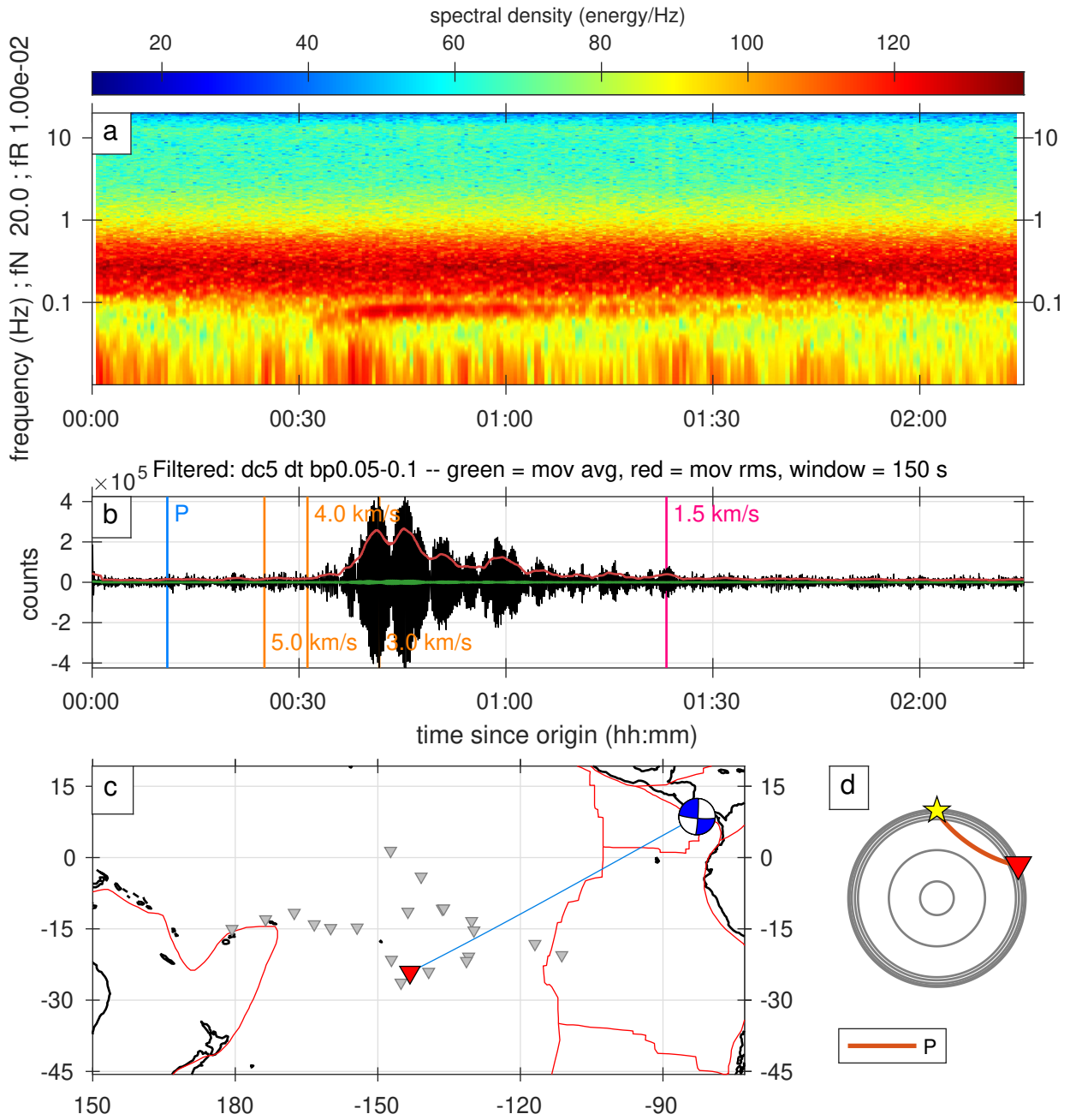


Figure S104. A full record of an earthquake classified as 2stars category.

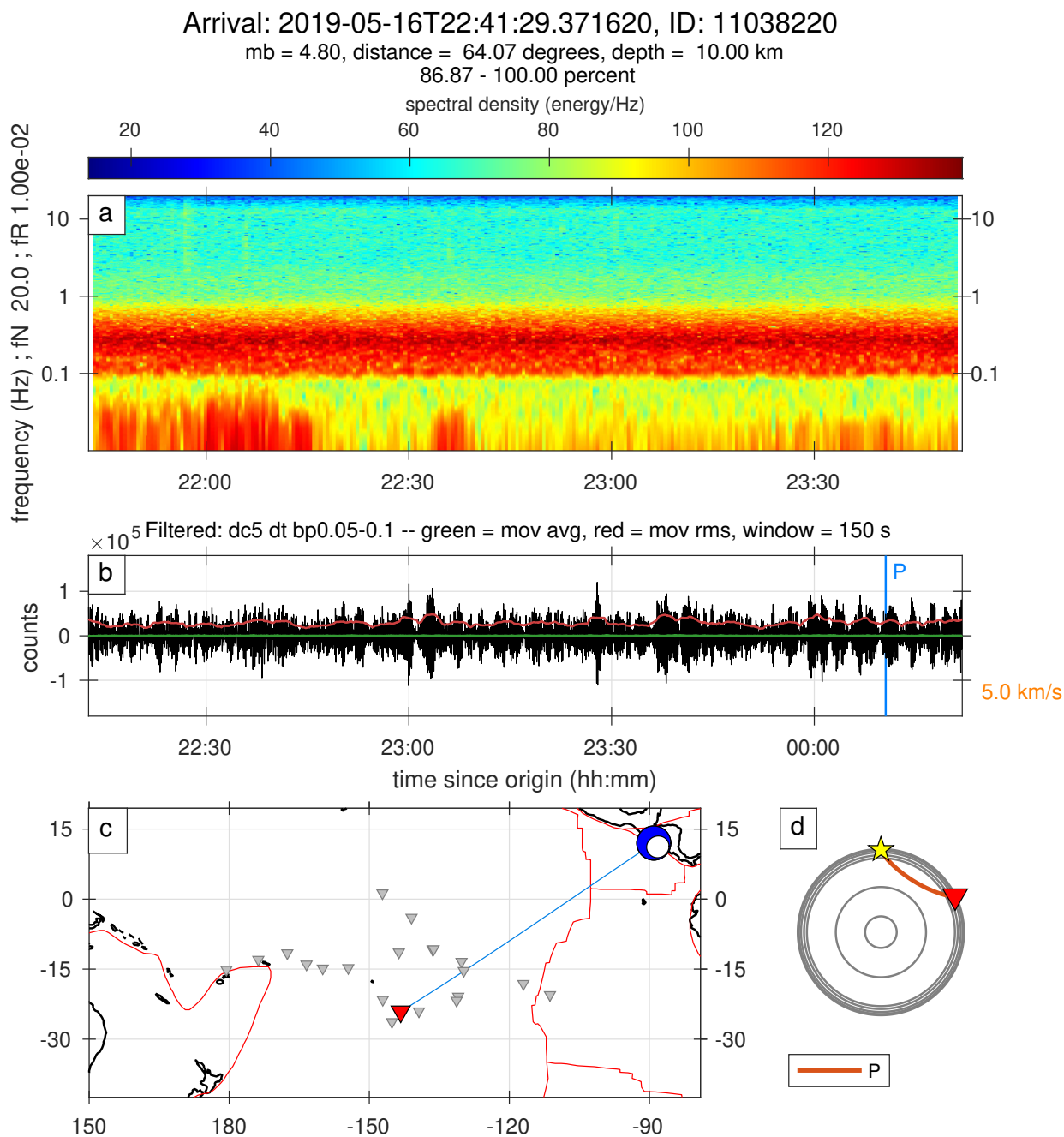


Figure S105. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-19T01:31:20.000000, ID: 11039010

mww = 6.30, distance = 43.10 degrees, depth = 20.00 km

92.53 - 100.00 percent

spectral density (energy/Hz)

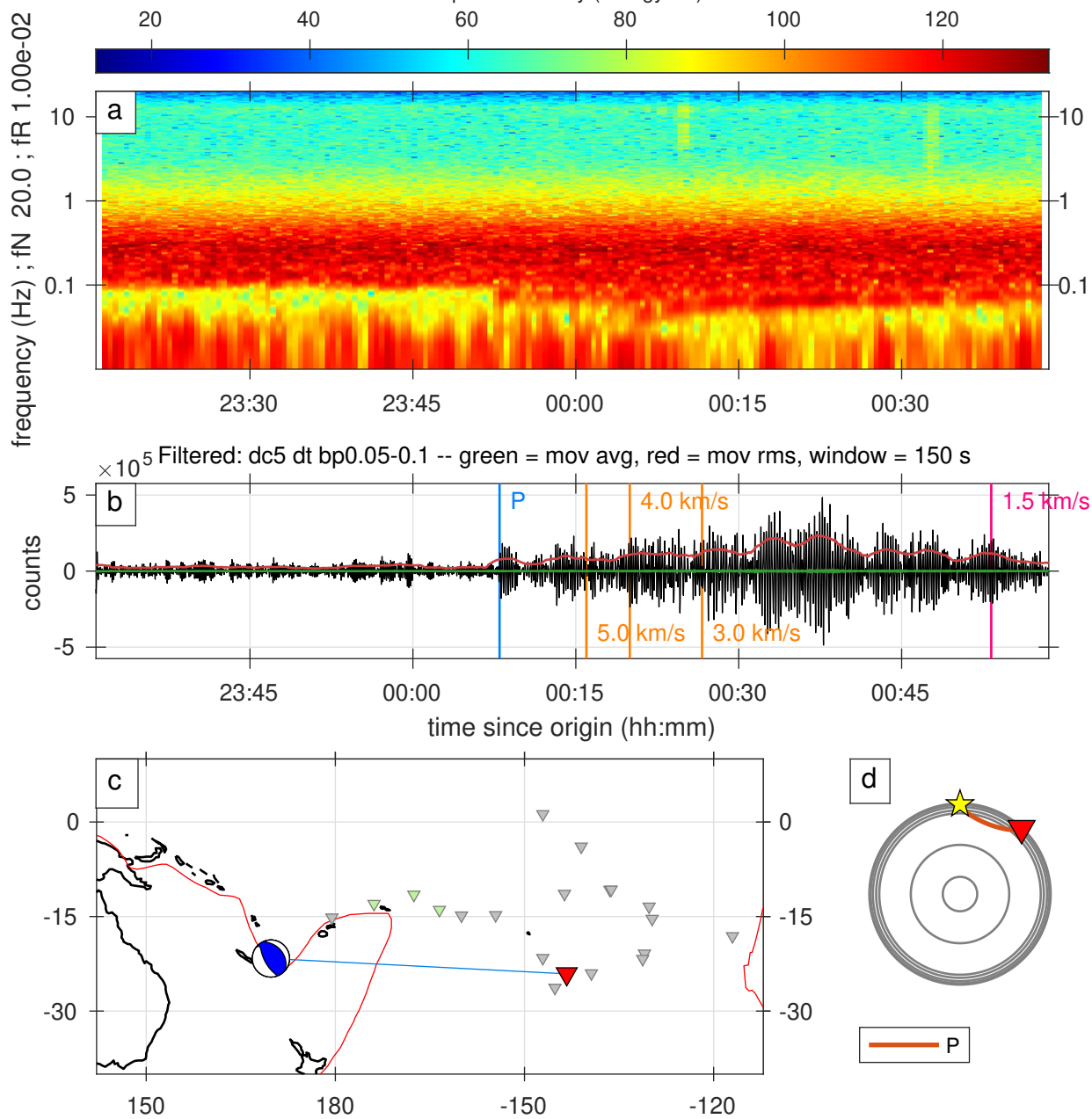


Figure S106. A full record of an earthquake classified as 2stars category.

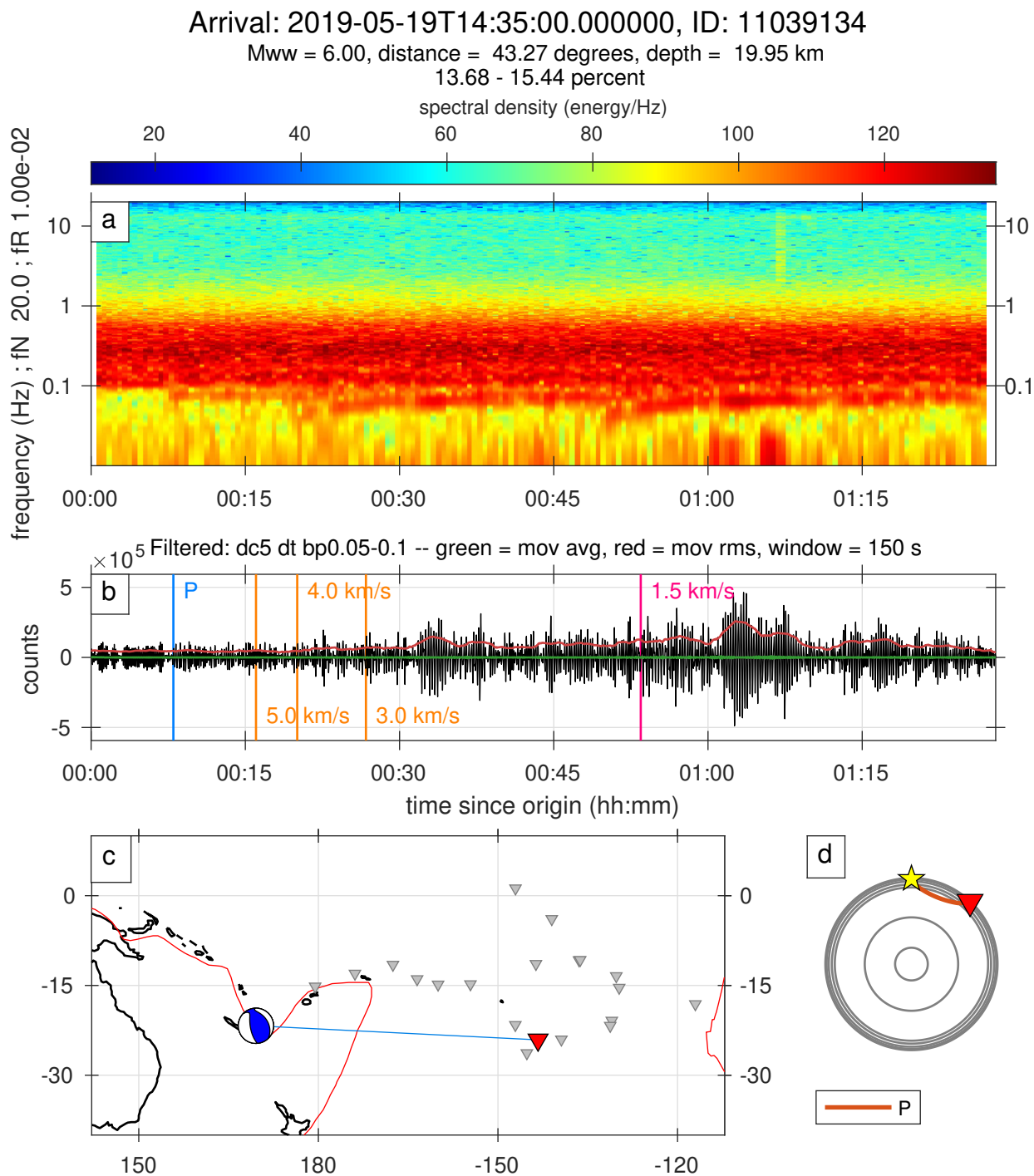


Figure S107. A full record of an earthquake classified as 2stars category.

Arrival: 2019-05-19T15:04:51.751033, ID: 11039137

mww = 6.30, distance = 43.39 degrees, depth = 20.00 km

14.27 - 16.05 percent

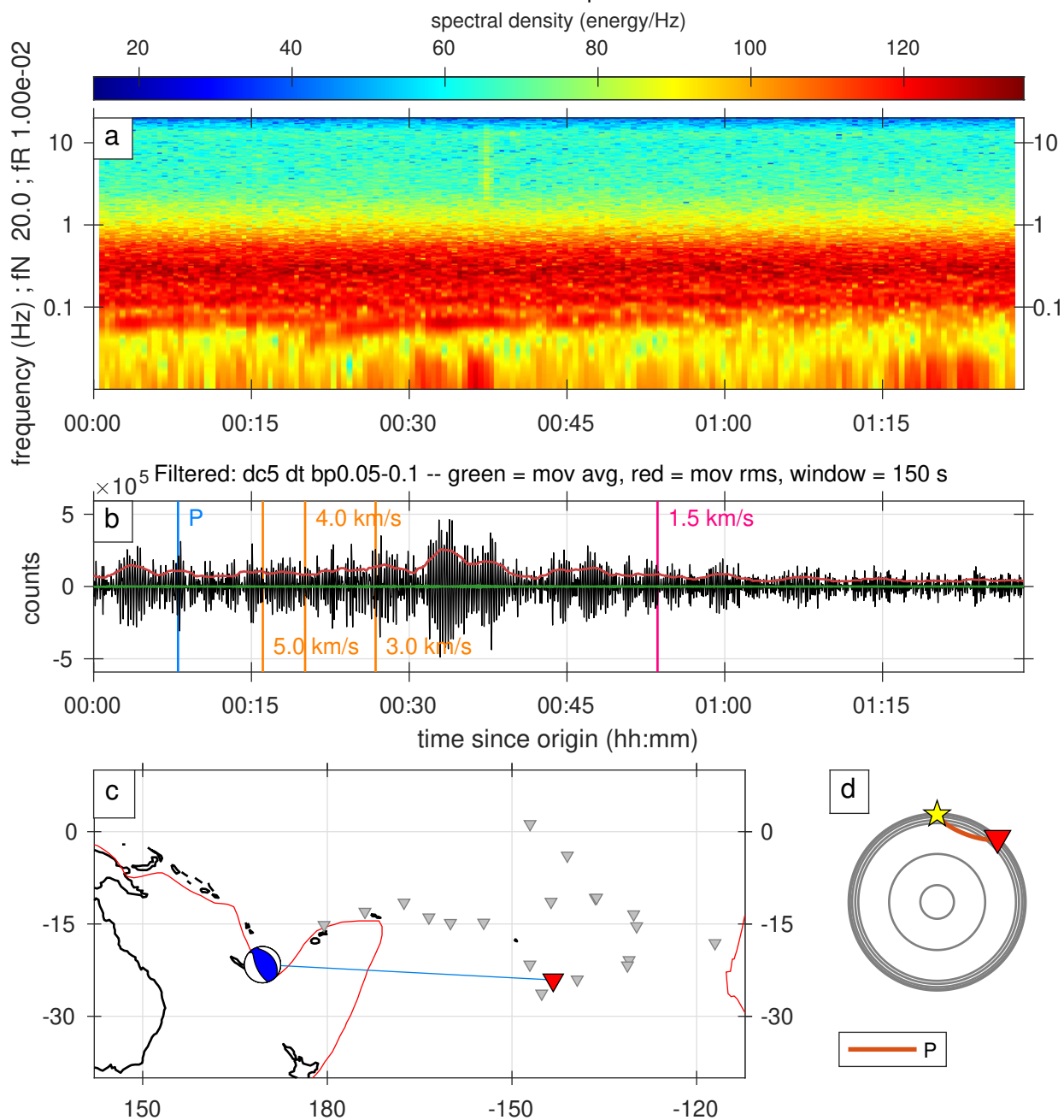


Figure S108. A full record of an earthquake classified as 2stars category.

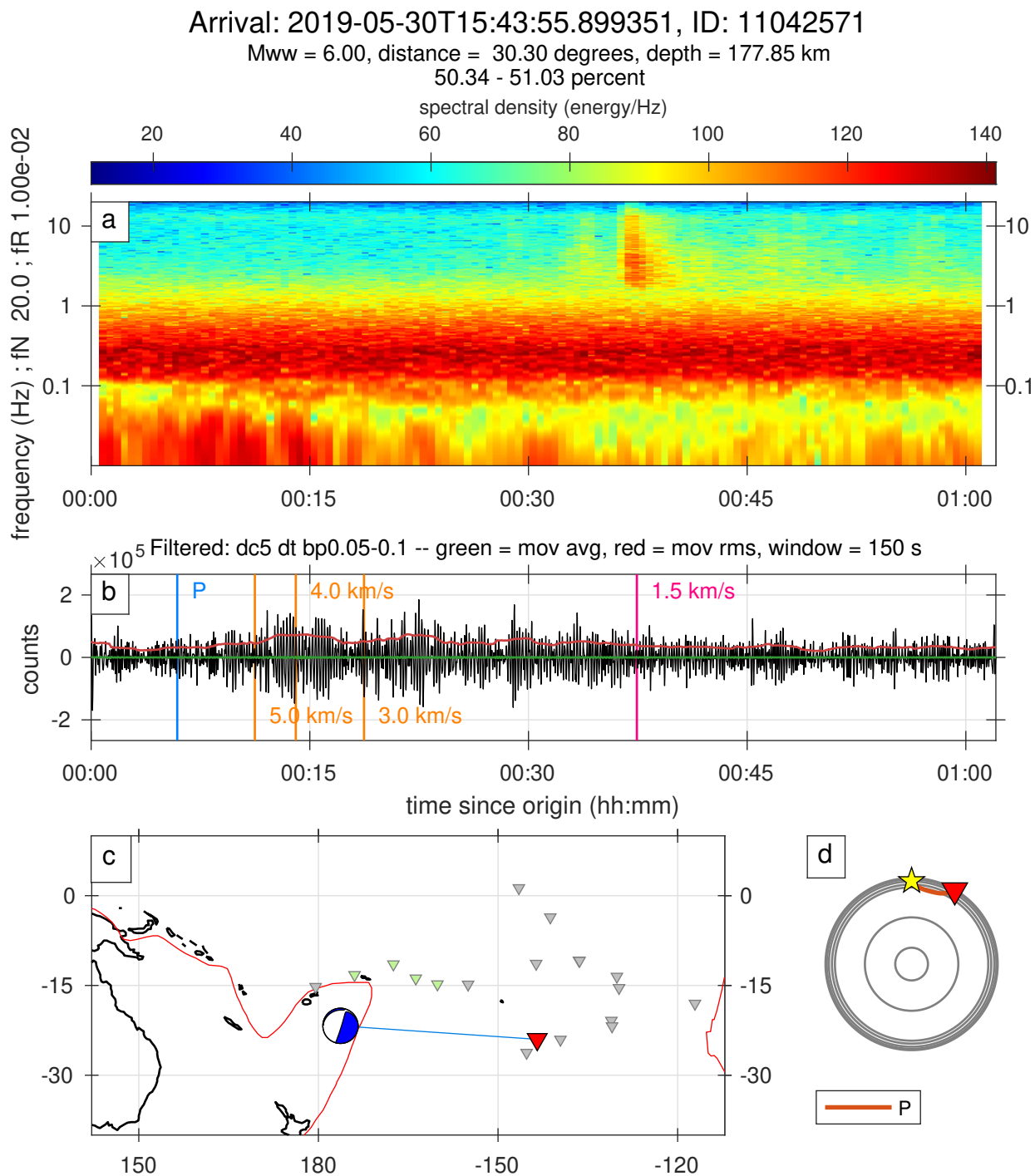


Figure S109. A full record of an earthquake classified as 2stars category.

Arrival: 2019-06-14T04:00:00.000000, ID: 11048737

Mww = 5.40, distance = 28.24 degrees, depth = 10.00 km

33.99 - 35.46 percent

spectral density (energy/Hz)

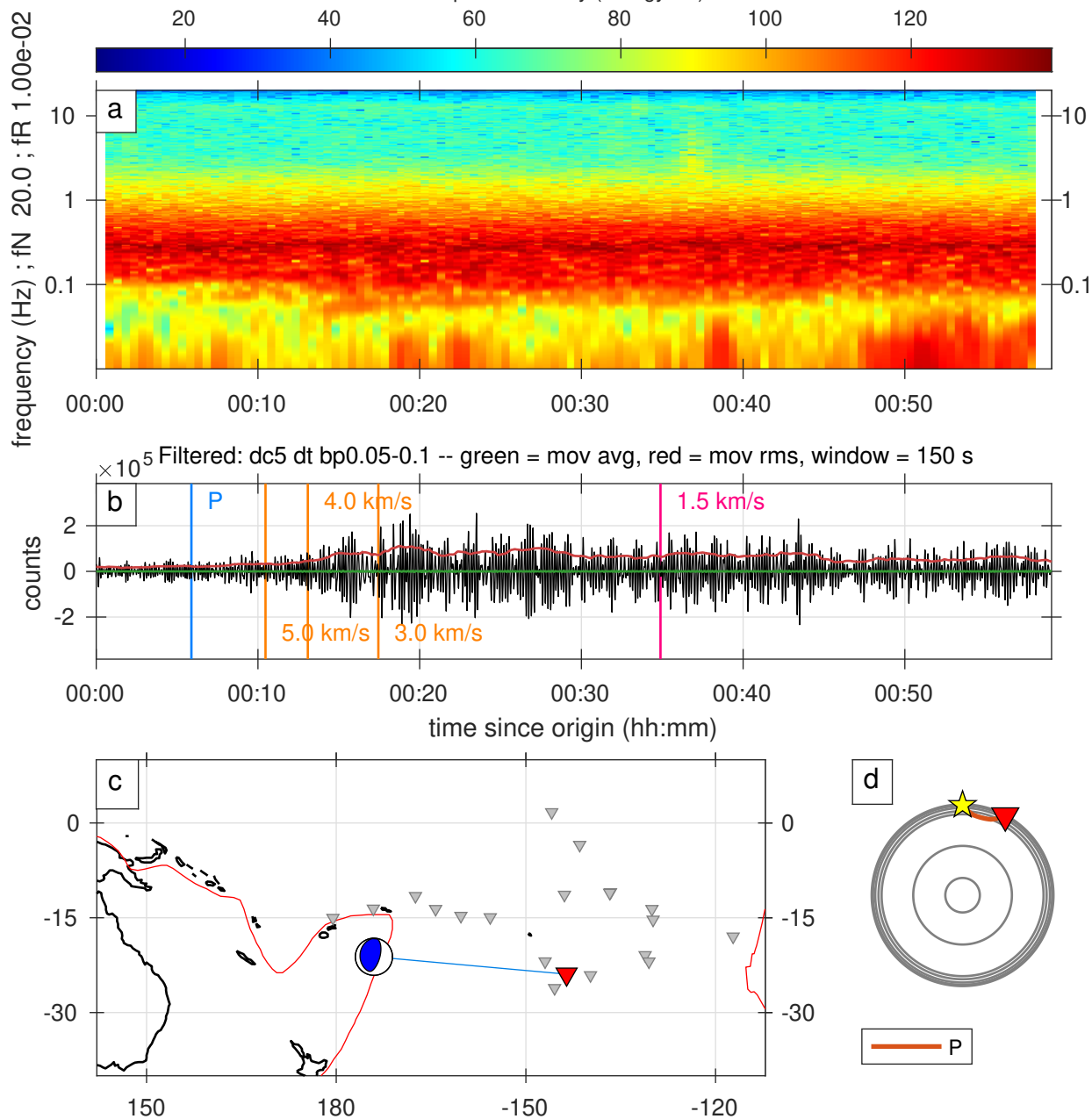


Figure S110. A full record of an earthquake classified as 2stars category.

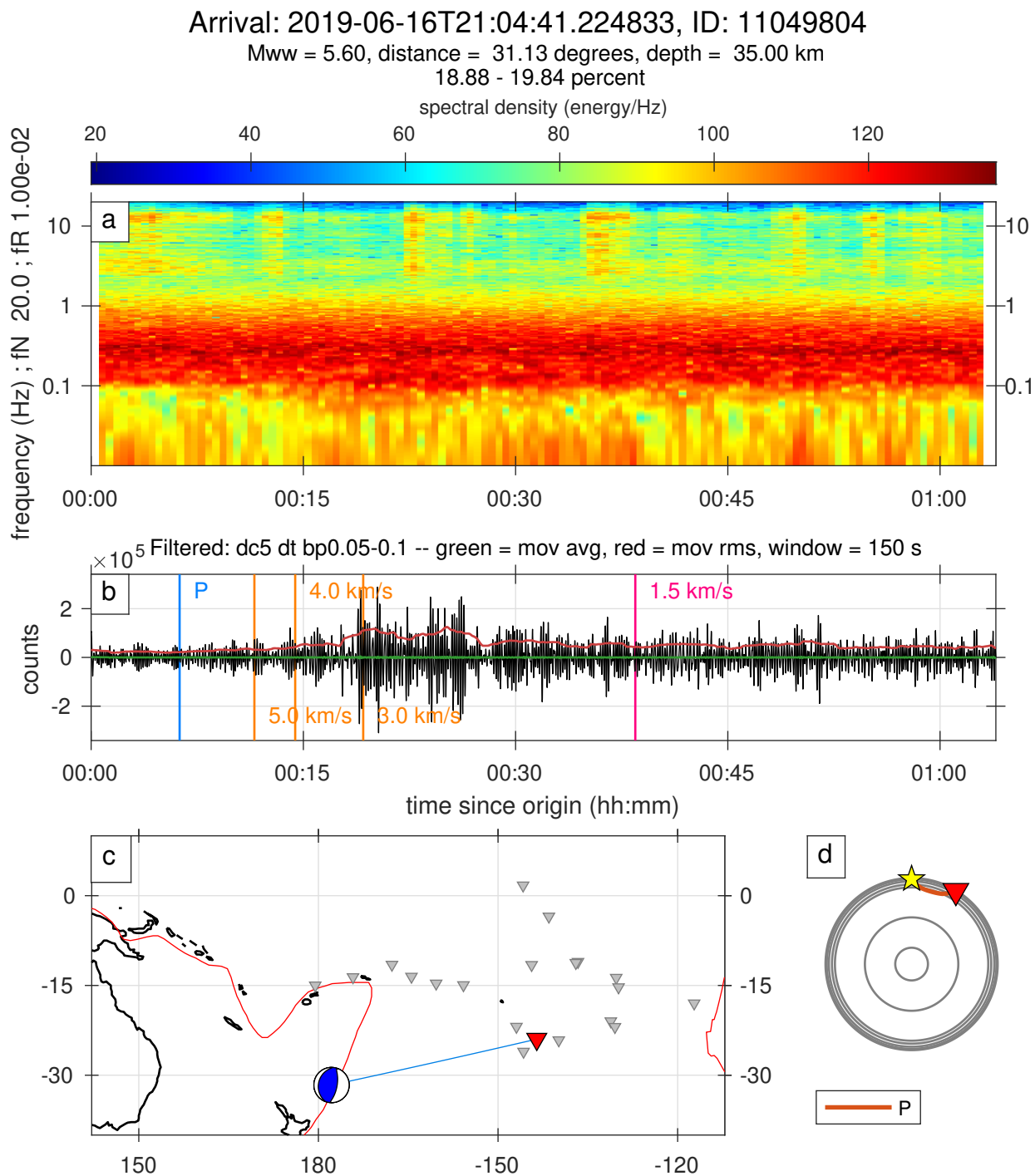


Figure S111. A full record of an earthquake classified as 2stars category.

Arrival: 2019-06-17T16:59:10.000000, ID: 11050099

Mww = 5.50, distance = 30.79 degrees, depth = 17.41 km

36.71 - 37.65 percent

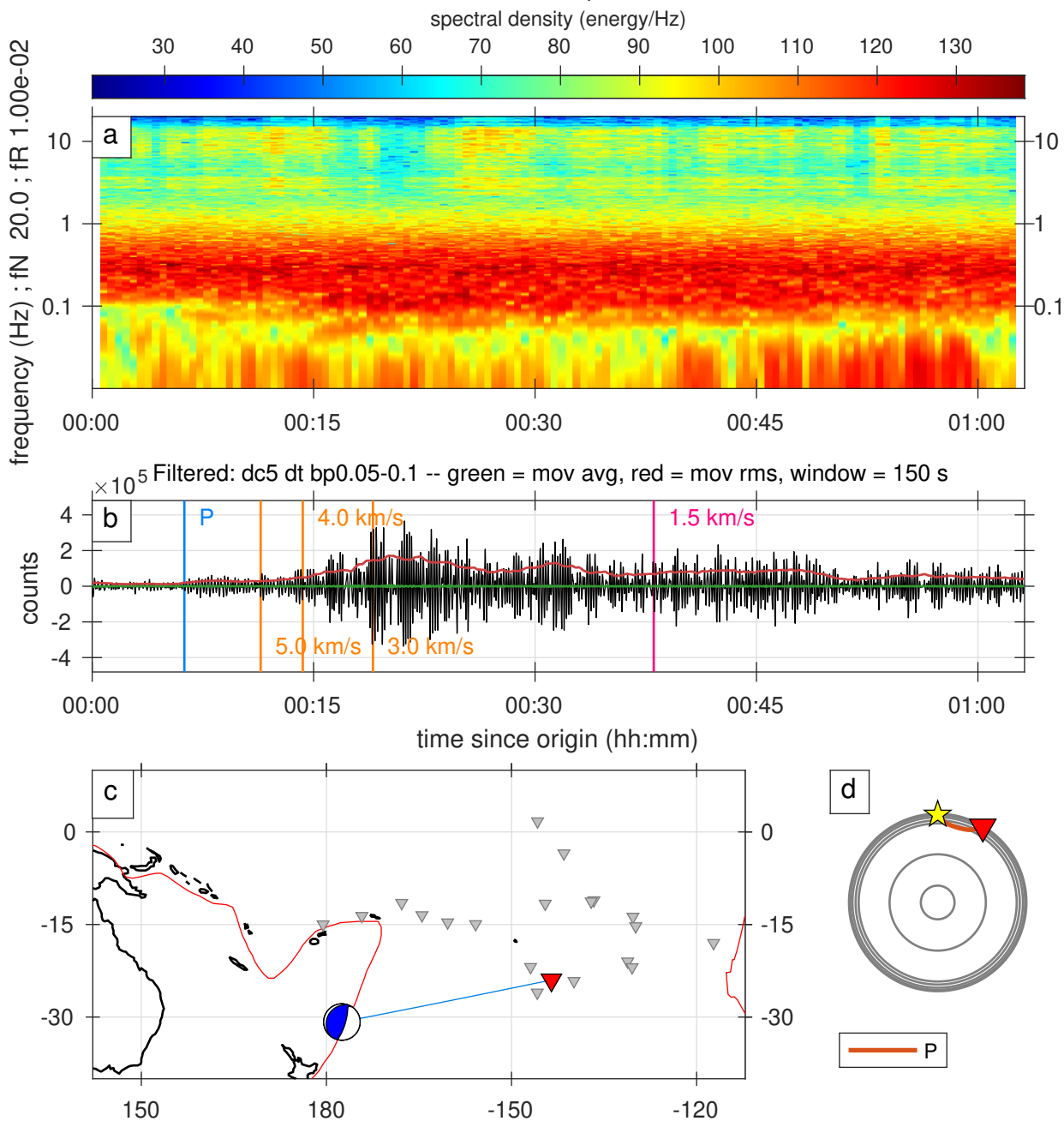


Figure S112. A full record of an earthquake classified as 2stars category.

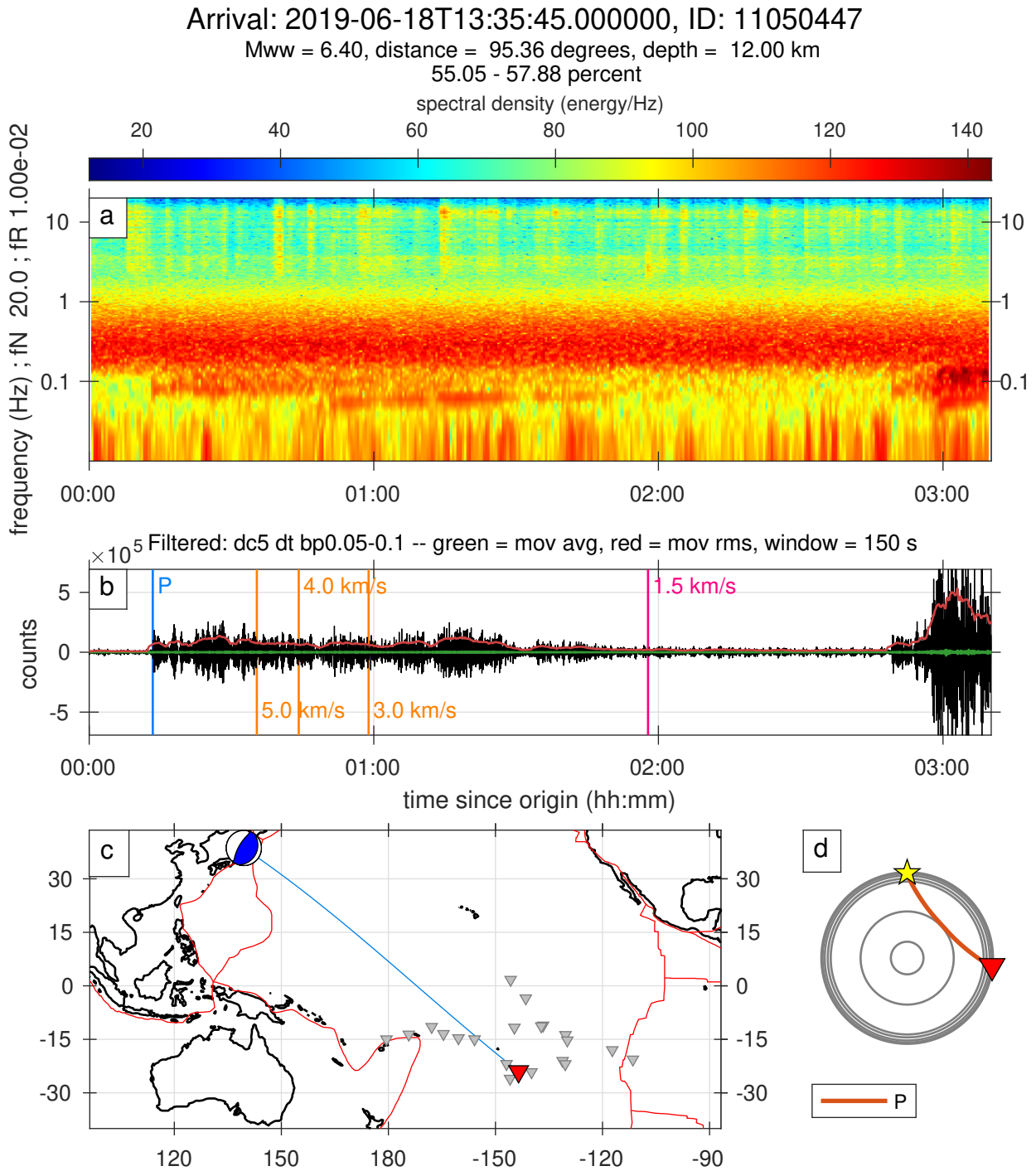


Figure S113. A full record of an earthquake classified as 2stars category.

Arrival: 2019-06-19T23:21:40.000000, ID: 11051149

Mww = 4.90, distance = 67.86 degrees, depth = 108.03 km

85.19 - 87.35 percent

spectral density (energy/Hz)

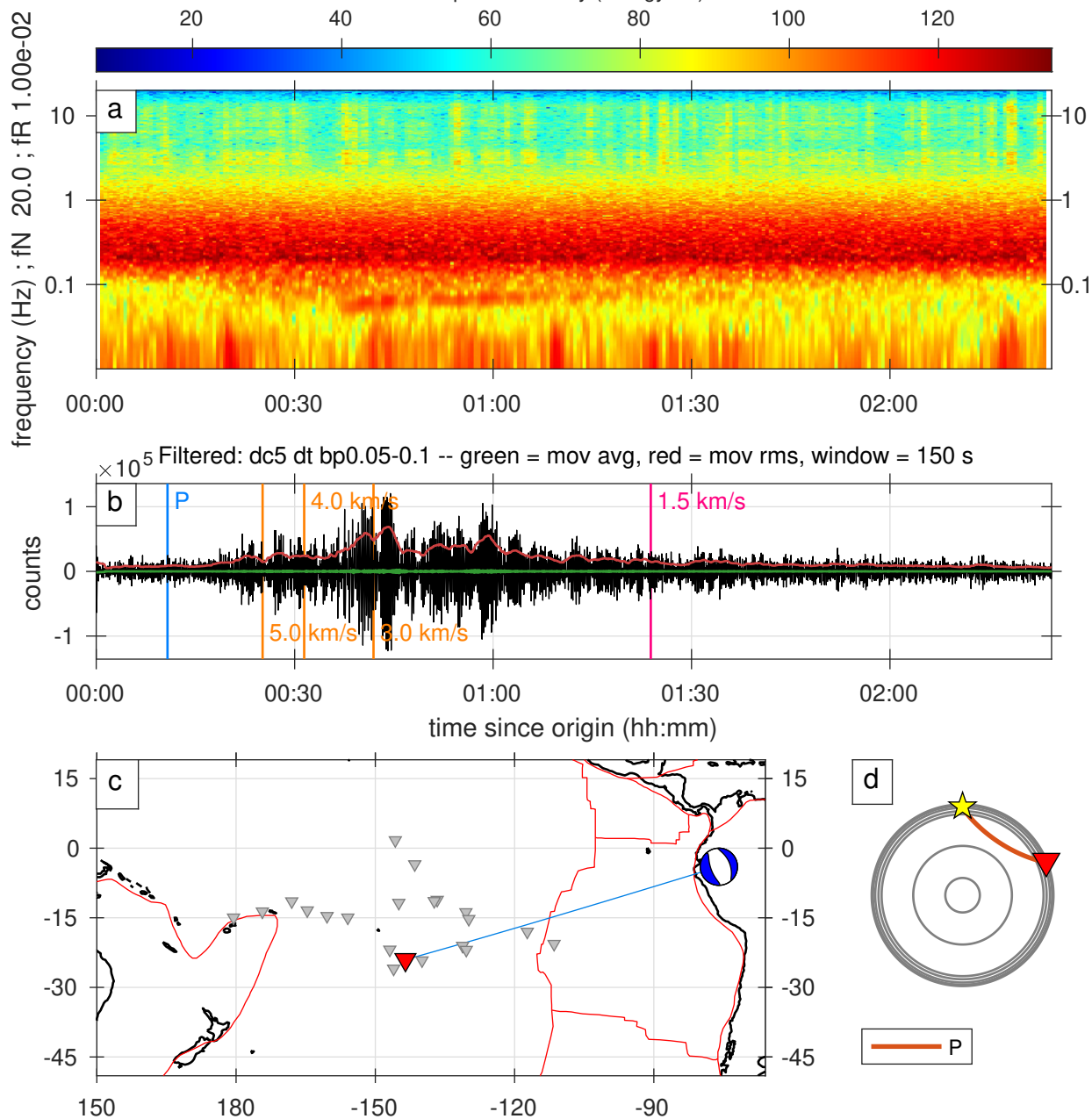


Figure S114. A full record of an earthquake classified as 2stars category.

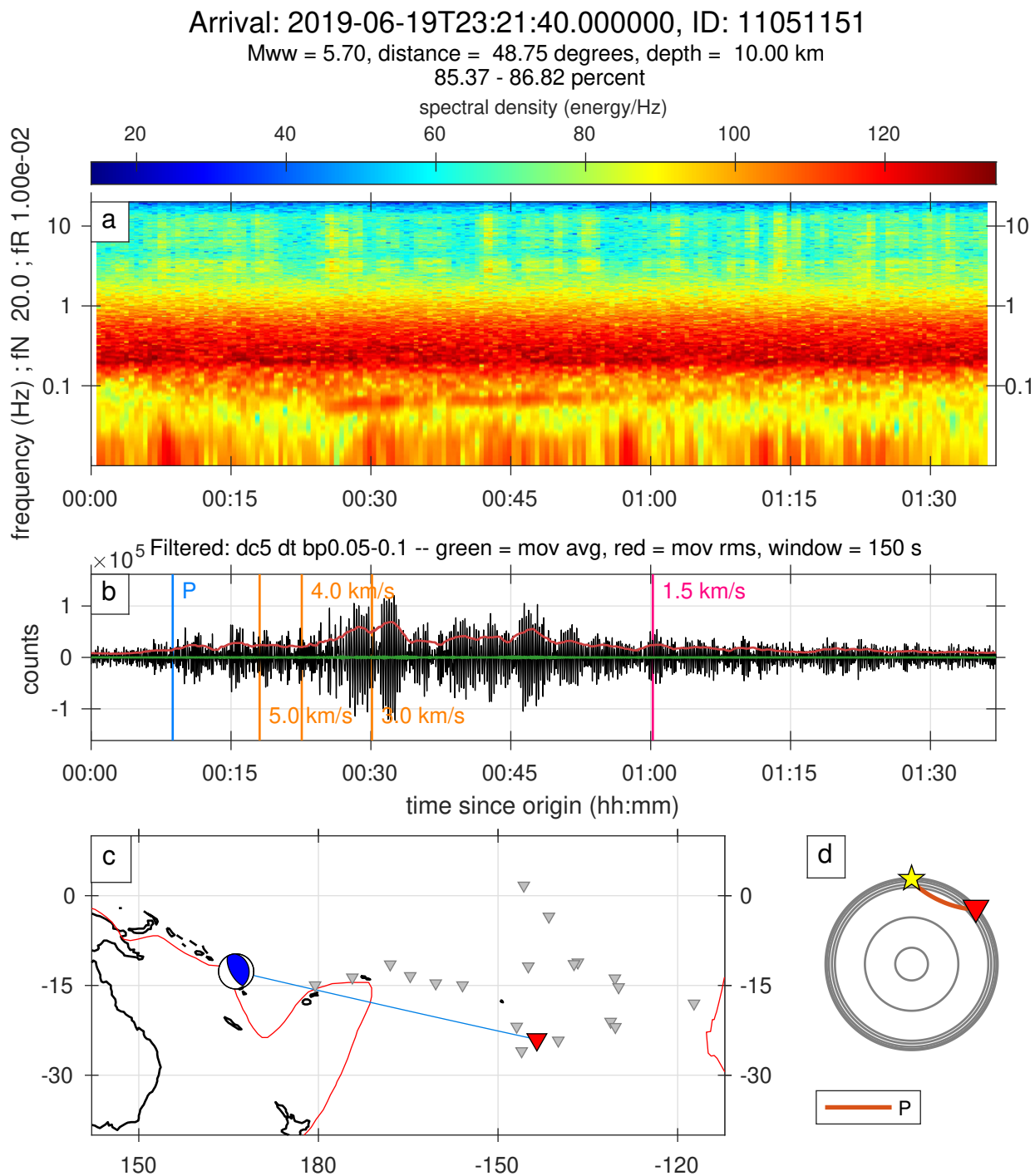


Figure S115. A full record of an earthquake classified as 2stars category.

Arrival: 2019-06-26T02:31:15.000000, ID: 11053269

Mww = 6.30, distance = 91.60 degrees, depth = 10.00 km
3.36 - 6.57 percent

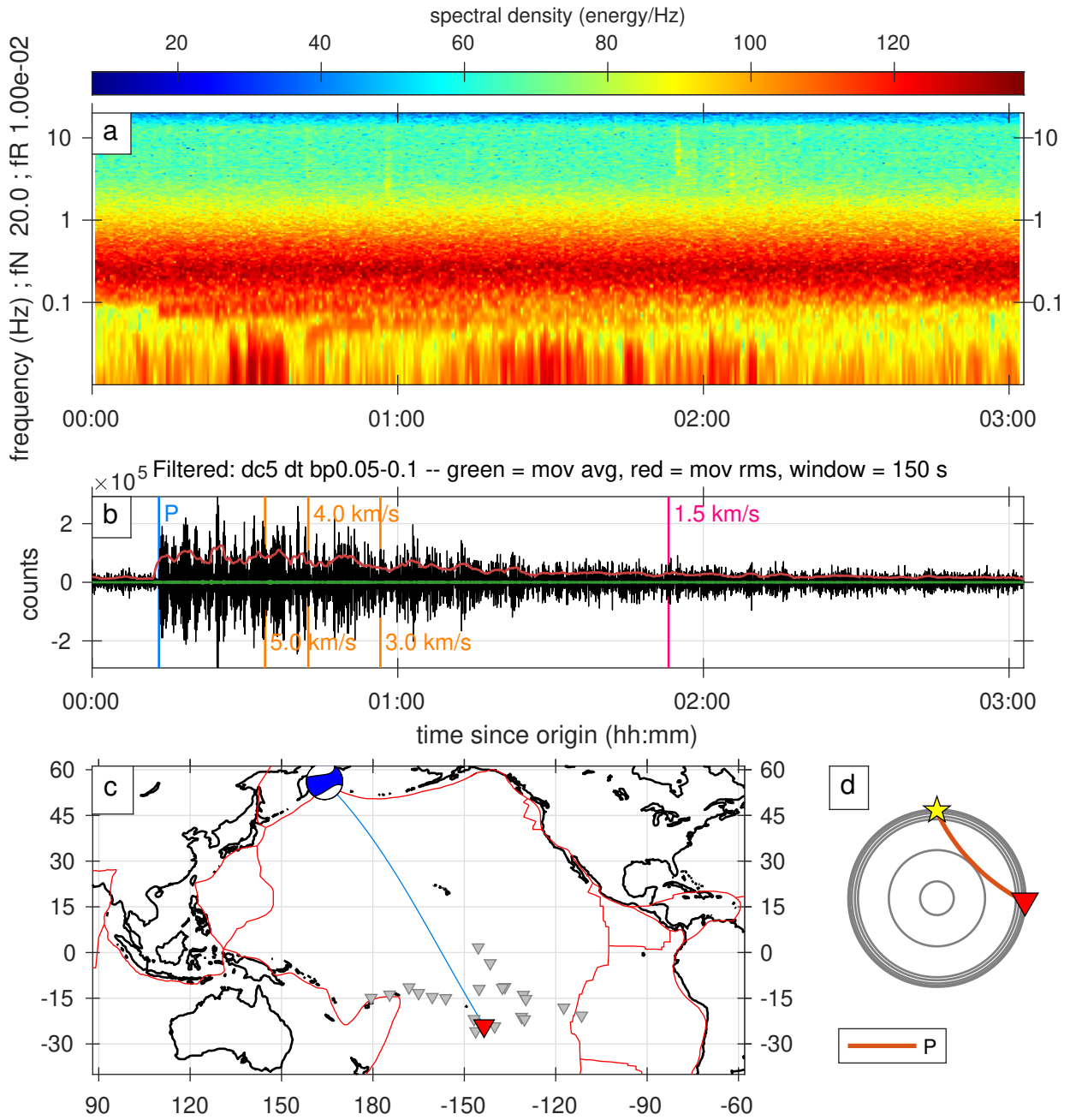


Figure S116. A full record of an earthquake classified as 2stars category.

Arrival: 2019-06-26T18:14:00.000000, ID: 11053541

Mww = 5.30, distance = 30.65 degrees, depth = 10.00 km

20.03 - 21.16 percent

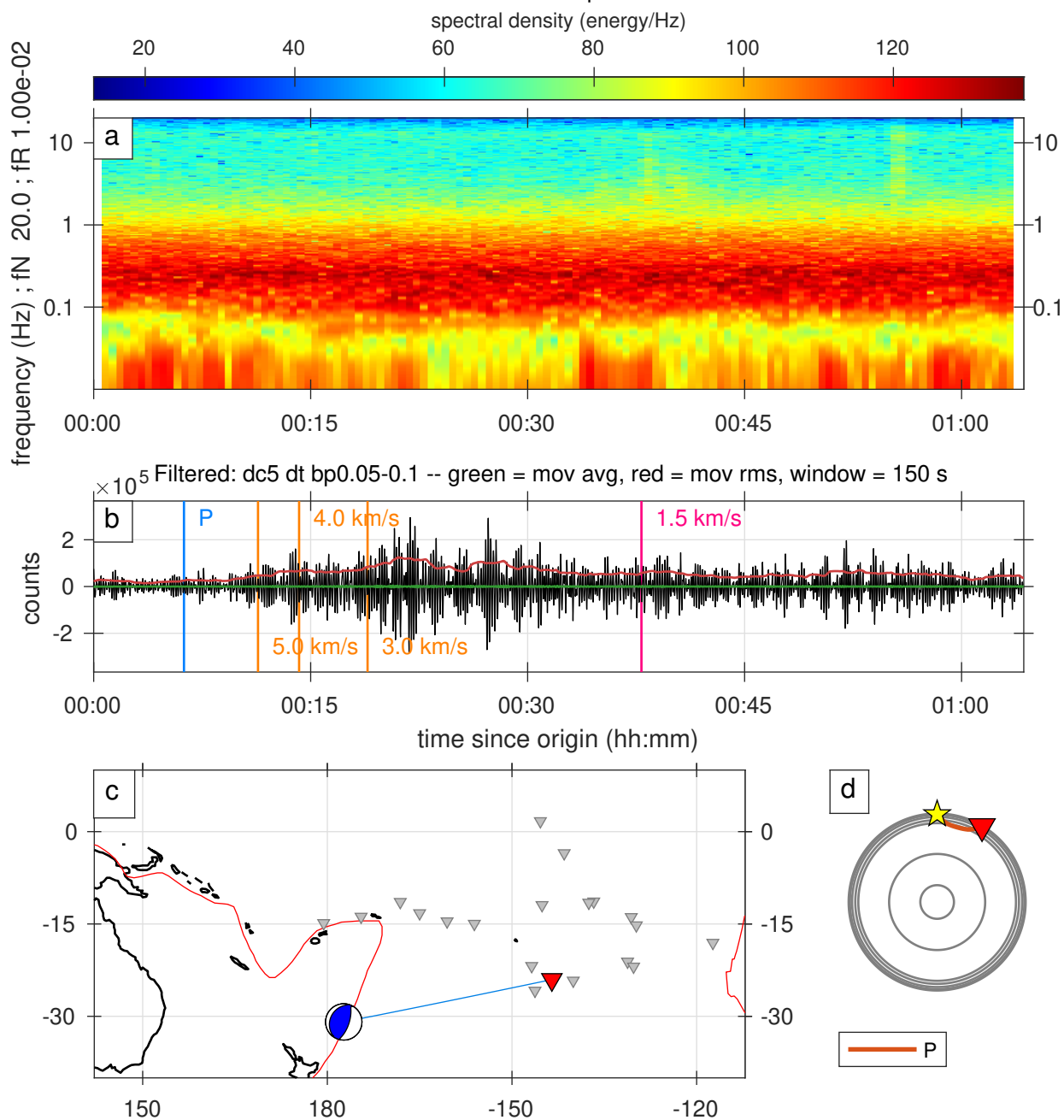


Figure S117. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-01T17:22:00.000000, ID: 11055406

Mww = 6.00, distance = 46.62 degrees, depth = 97.09 km

19.71 - 22.29 percent

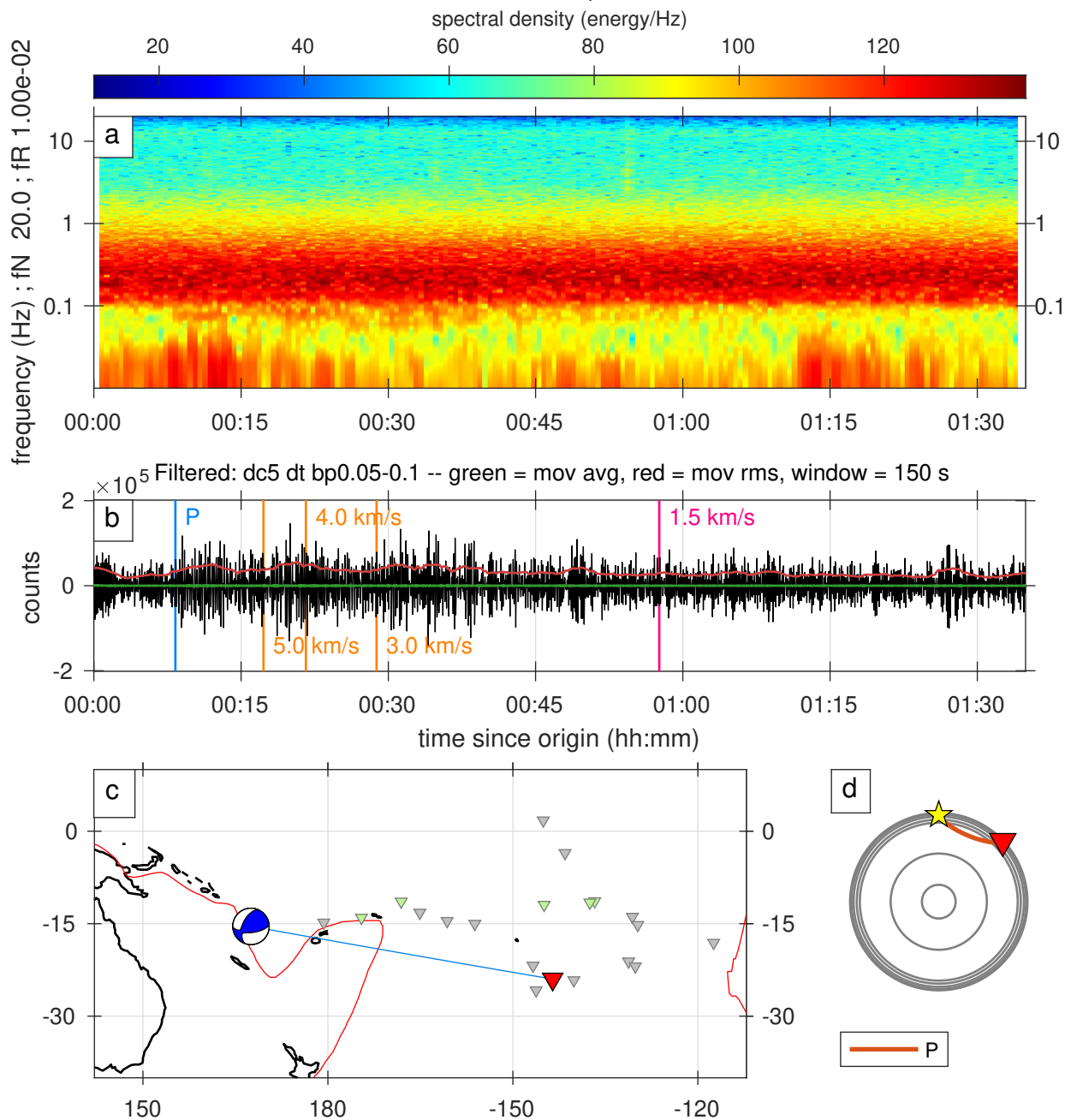


Figure S118. A full record of an earthquake classified as 2stars category.

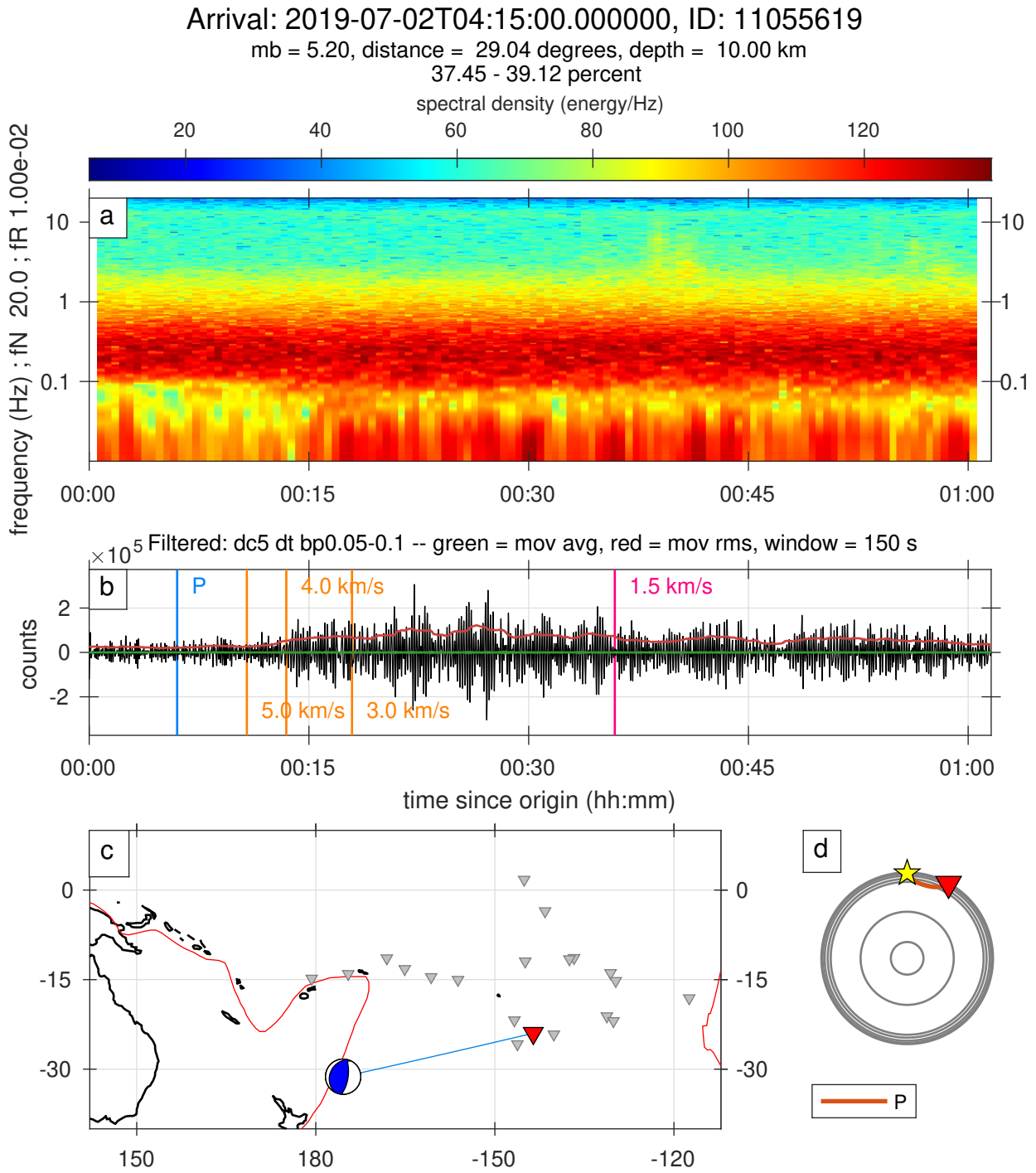


Figure S119. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-04T04:42:31.944878, ID: 11056637

Mww = 6.20, distance = 76.06 degrees, depth = 10.00 km

44.18 - 90.52 percent

spectral density (energy/Hz)

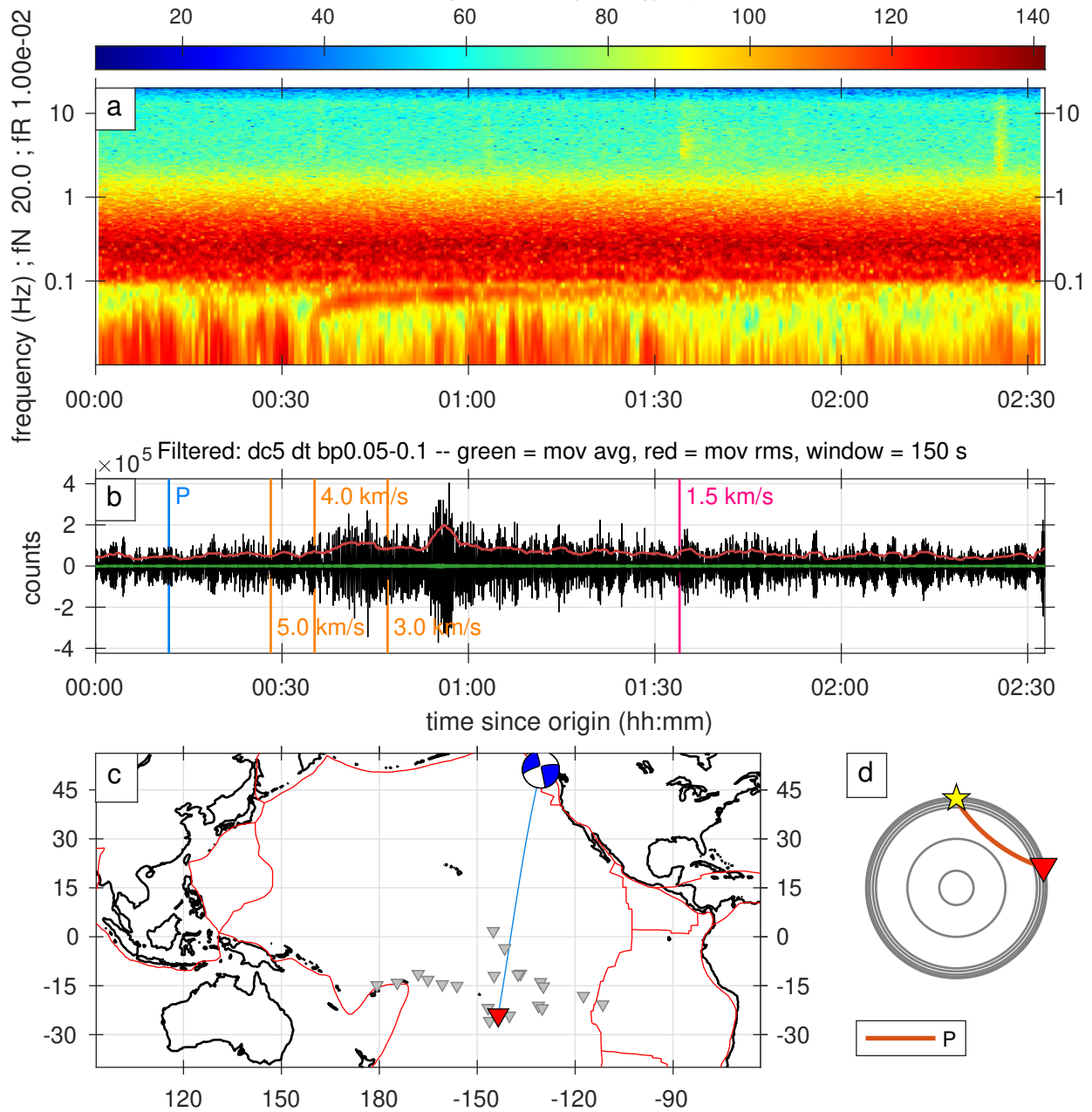


Figure S120. A full record of an earthquake classified as 2stars category.

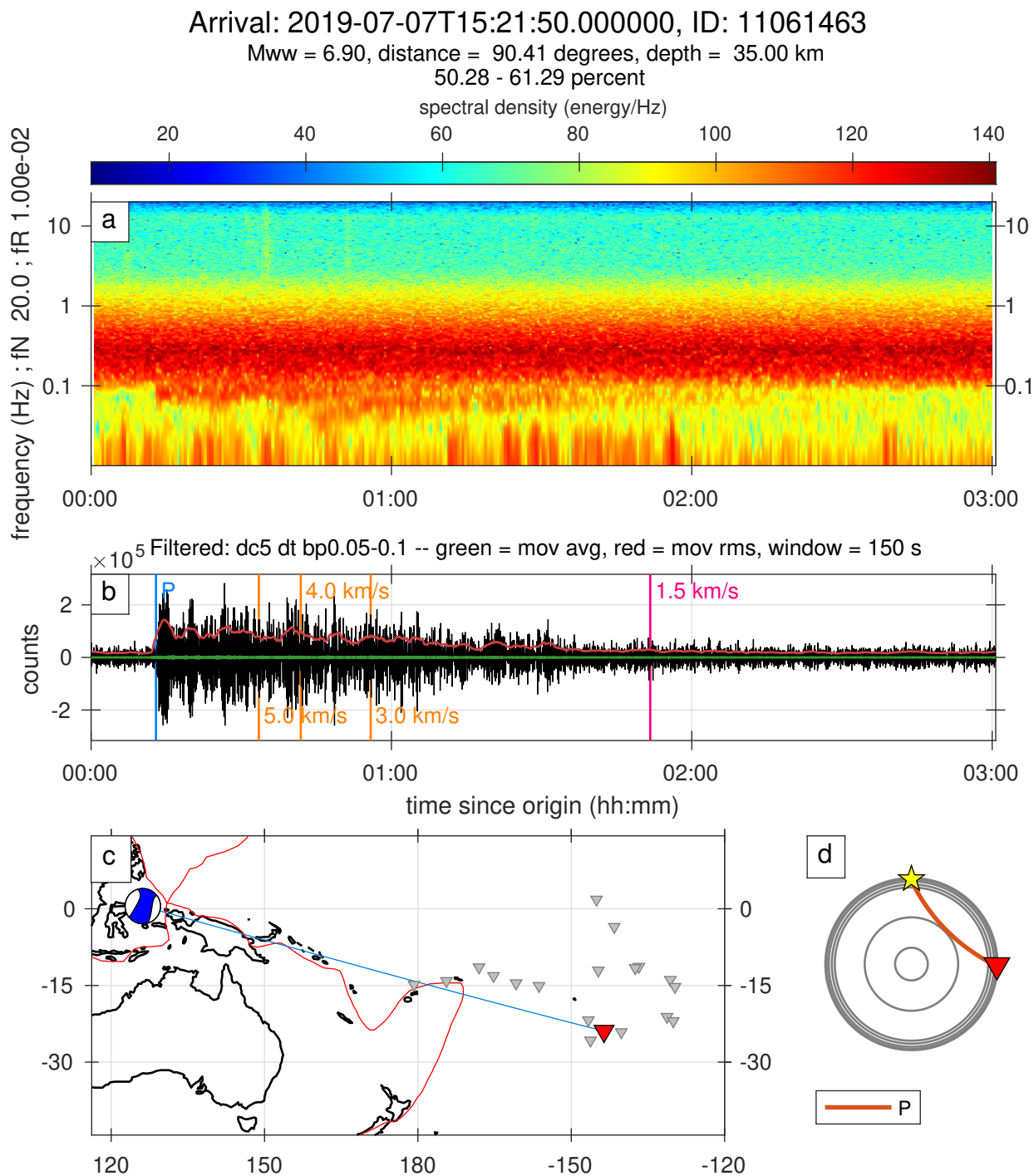


Figure S121. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-13T08:06:09.843279, ID: 11072684

Mww = 5.80, distance = 33.13 degrees, depth = 10.00 km

20.42 - 21.46 percent

spectral density (energy/Hz)

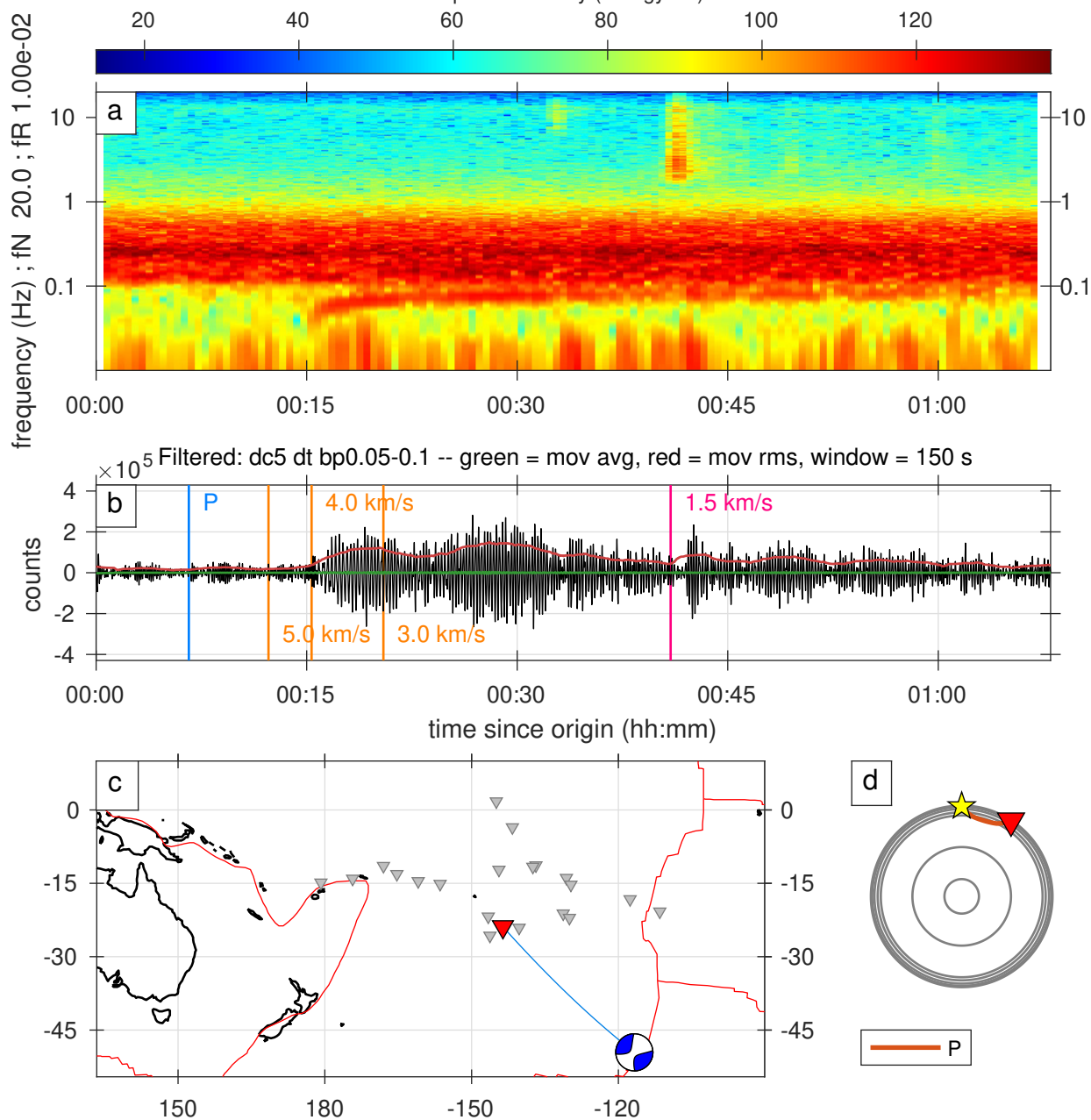


Figure S122. A full record of an earthquake classified as 2stars category.

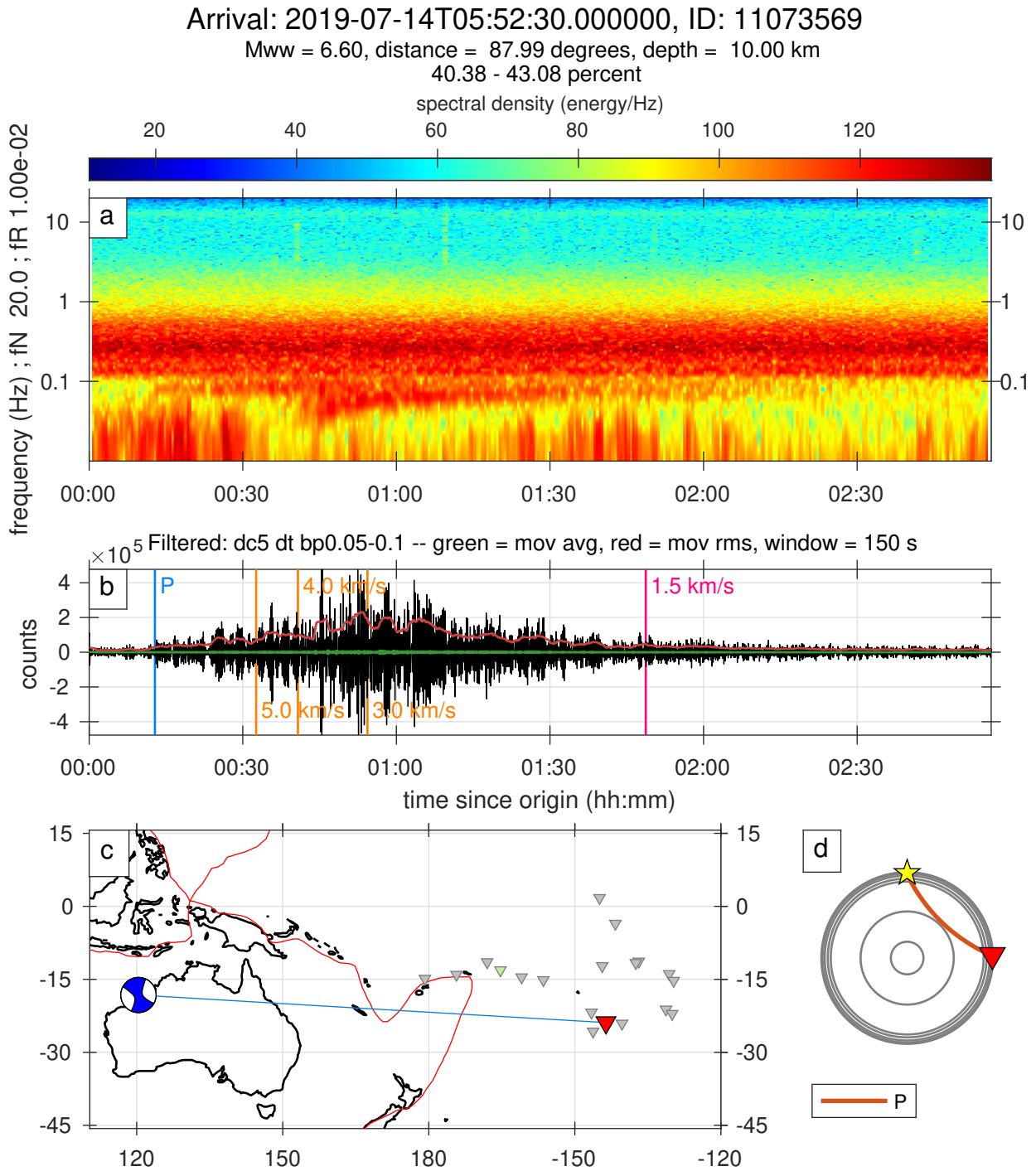


Figure S123. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-15T08:32:20.000000, ID: 11074626

Mww = 6.20, distance = 66.44 degrees, depth = 58.97 km

64.98 - 67.03 percent

spectral density (energy/Hz)

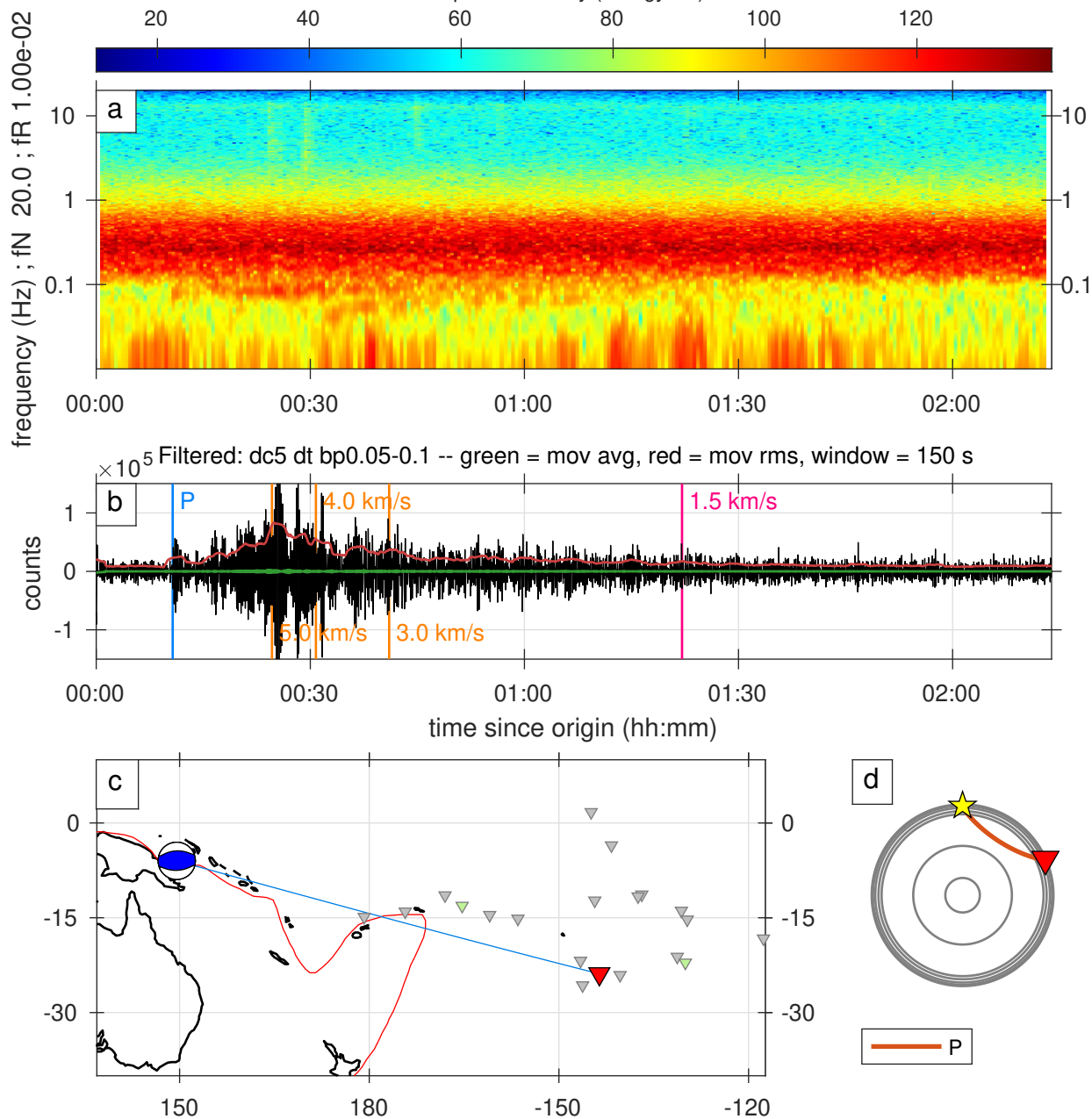


Figure S124. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-18T01:26:54.029281, ID: 11077729

Mww = 5.40, distance = 57.06 degrees, depth = 10.00 km

64.40 - 100.00 percent

spectral density (energy/Hz)

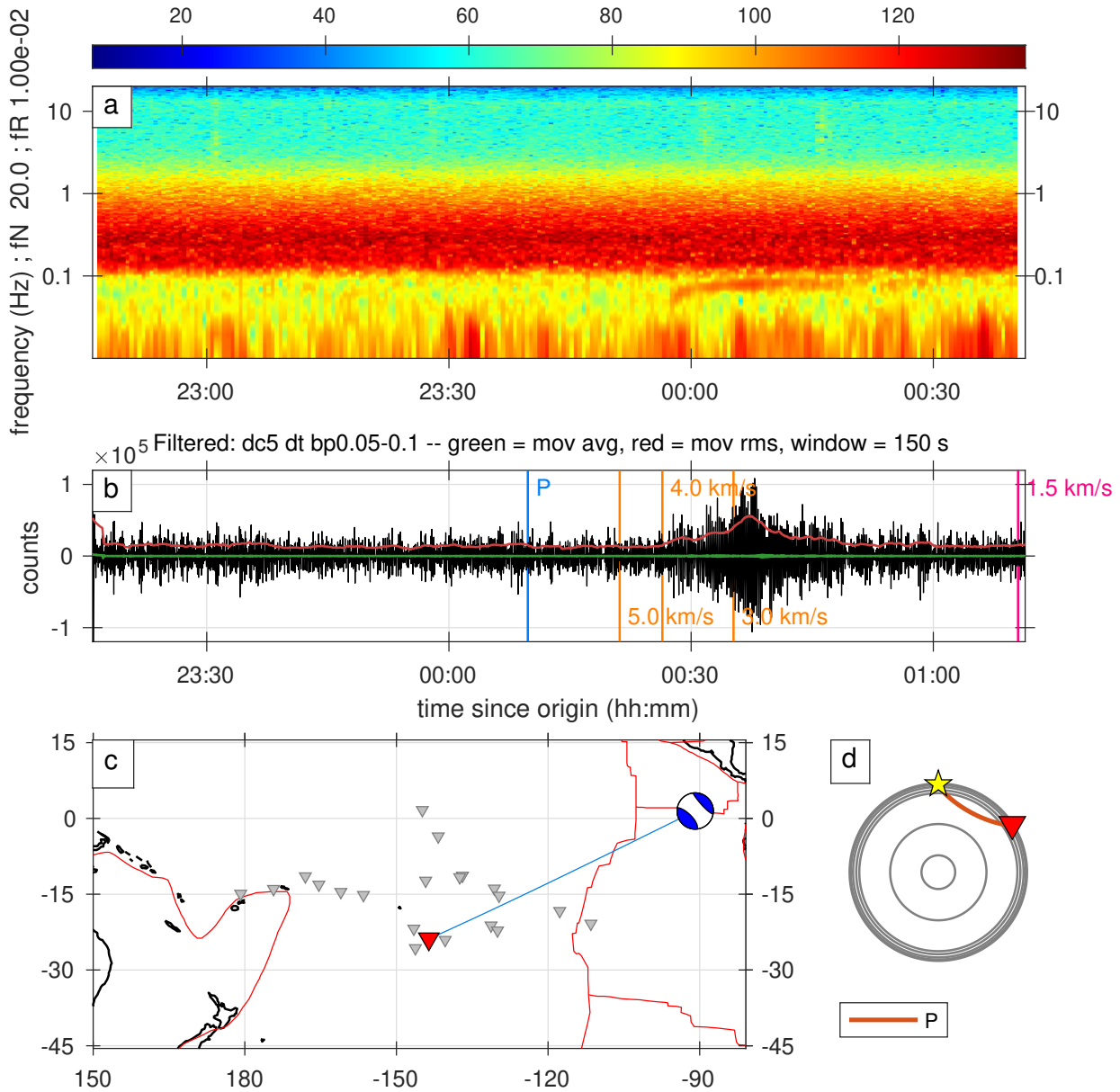


Figure S125. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-20T18:29:55.994222, ID: 11080390

mb = 5.10, distance = 29.20 degrees, depth = 10.00 km

71.93 - 74.67 percent

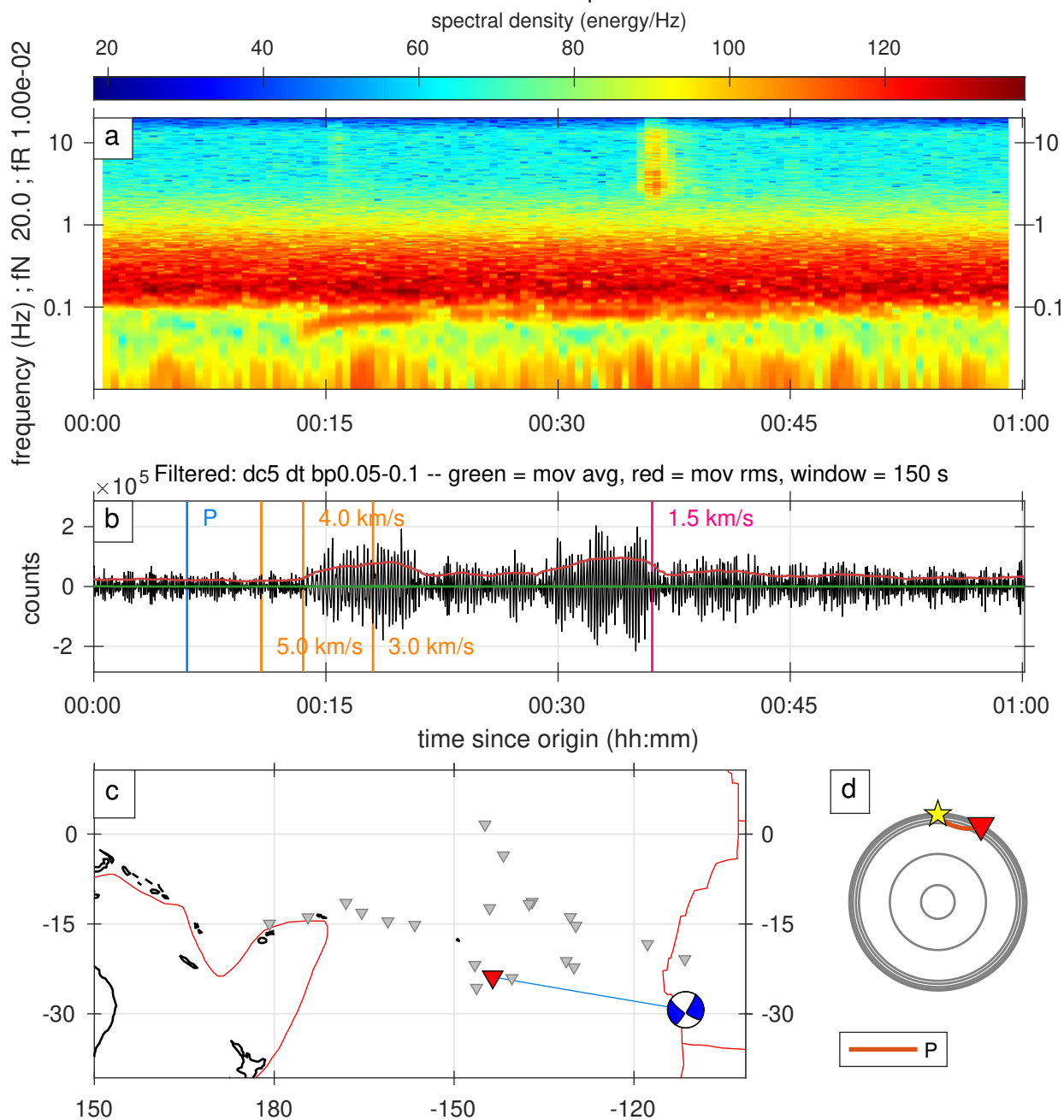


Figure S126. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-27T10:02:11.123557, ID: 11086279

Mww = 5.70, distance = 36.21 degrees, depth = 10.00 km

25.89 - 27.24 percent

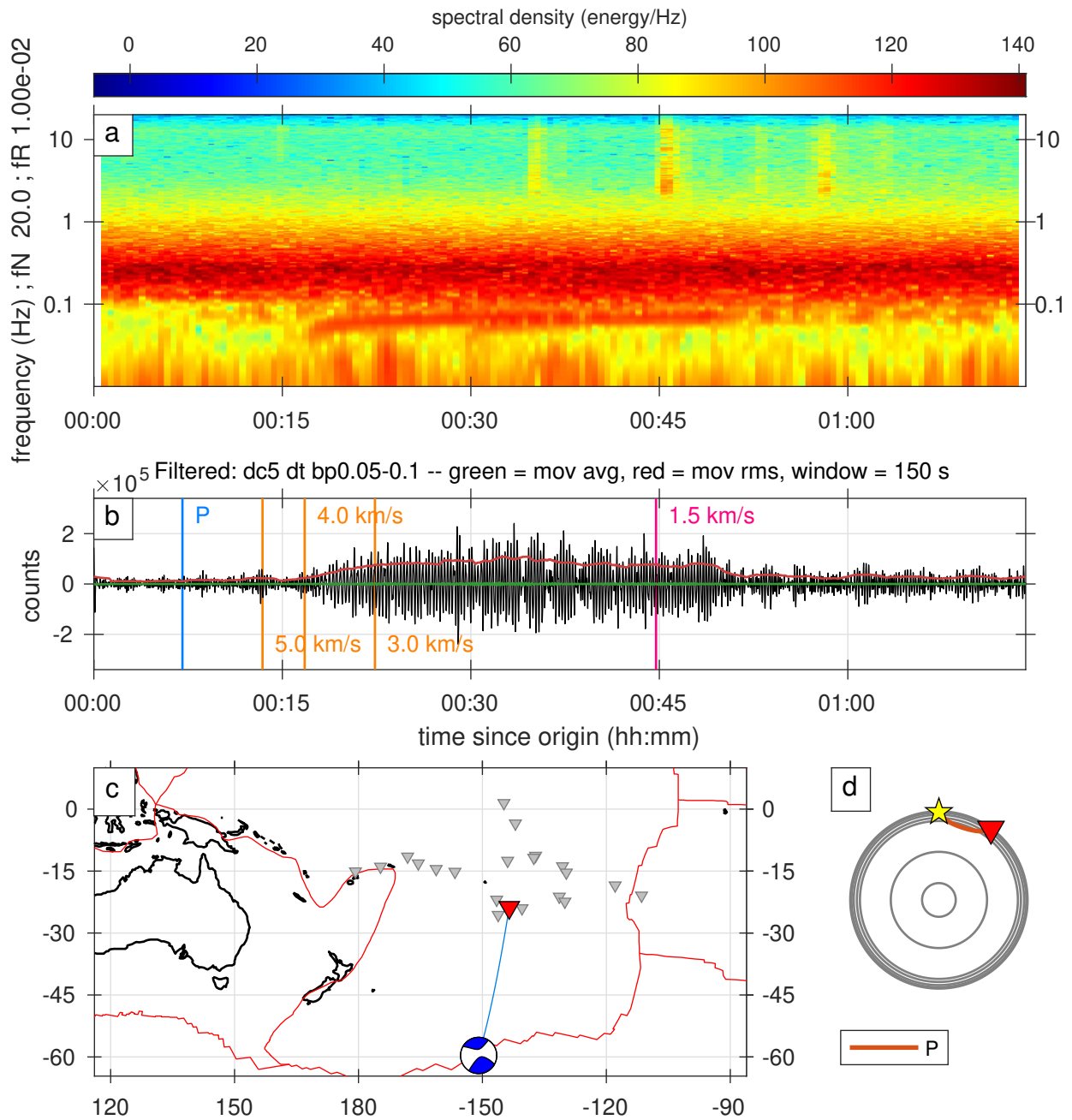


Figure S127. A full record of an earthquake classified as 2stars category.

Arrival: 2019-07-31T06:05:30.000000, ID: 11089323

Mww = 5.90, distance = 64.60 degrees, depth = 72.50 km

84.19 - 91.77 percent

spectral density (energy/Hz)

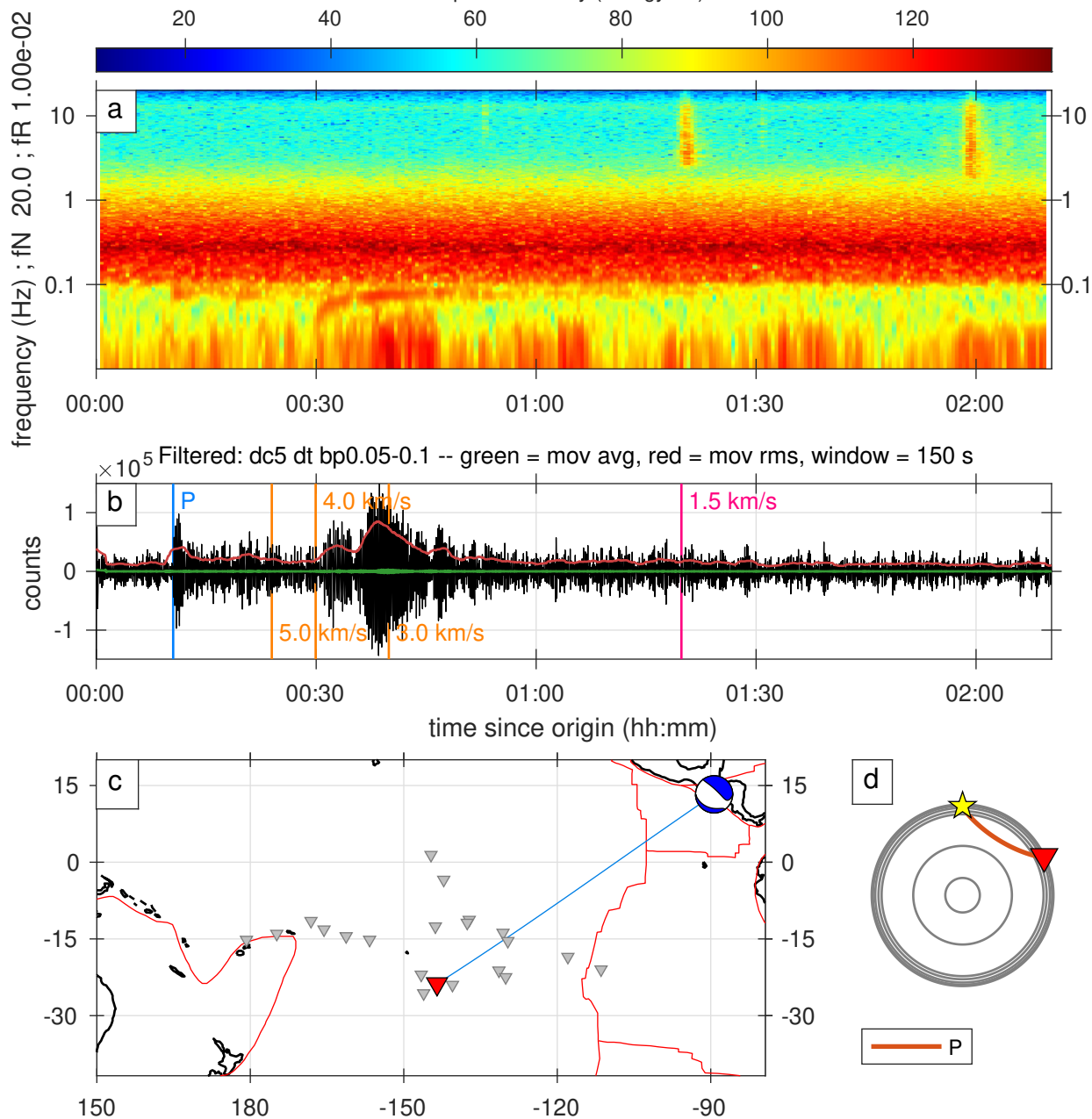


Figure S128. A full record of an earthquake classified as 2stars category.

Arrival: 2019-08-02T05:57:45.582168, ID: 11090460

Mww = 6.00, distance = 34.75 degrees, depth = 10.00 km

33.42 - 39.21 percent

spectral density (energy/Hz)

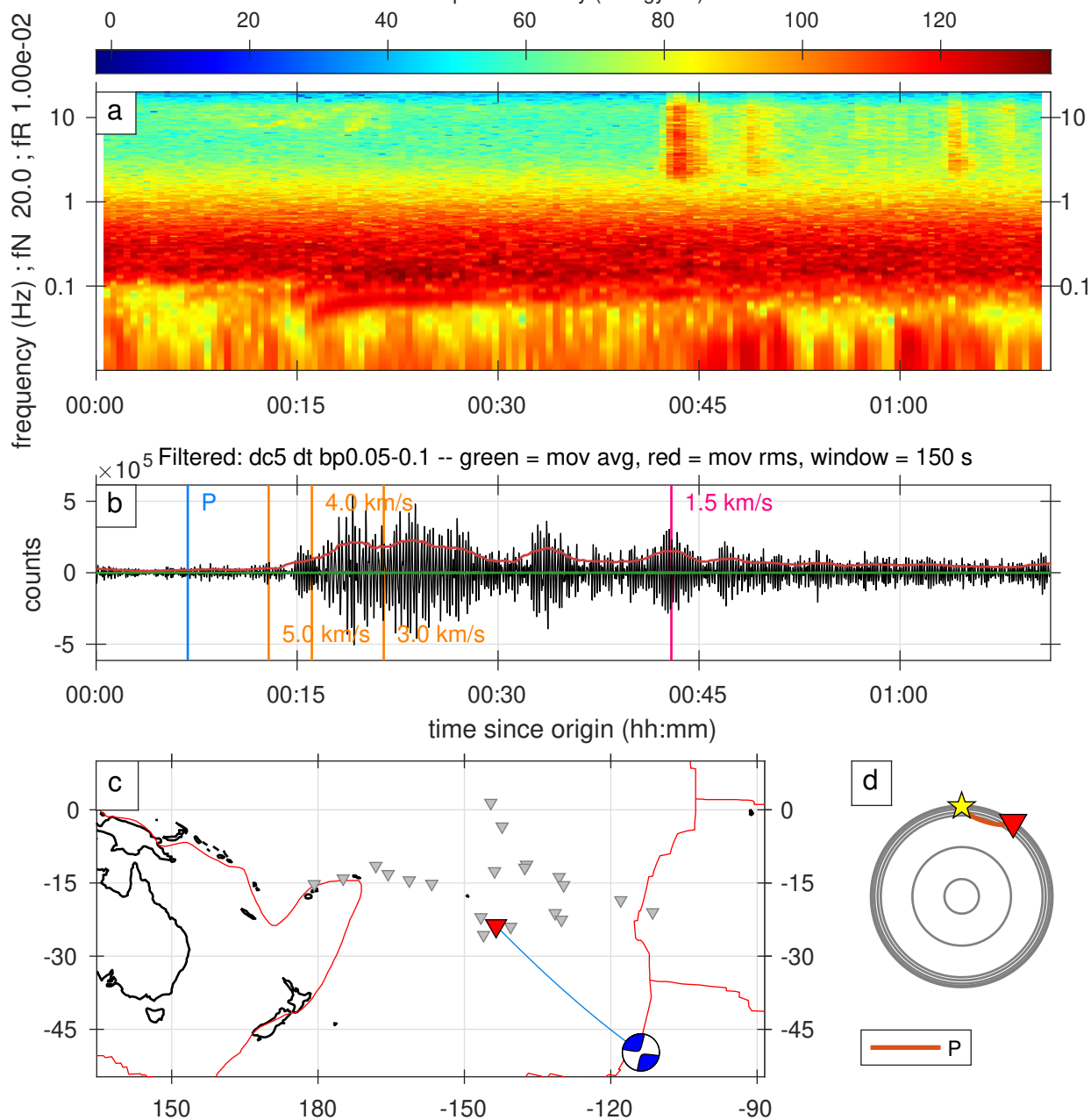


Figure S129. A full record of an earthquake classified as 2stars category.

Arrival: 2019-08-04T10:36:30.000000, ID: 11091618

Mww = 6.30, distance = 93.35 degrees, depth = 38.00 km
35.37 - 42.06 percent

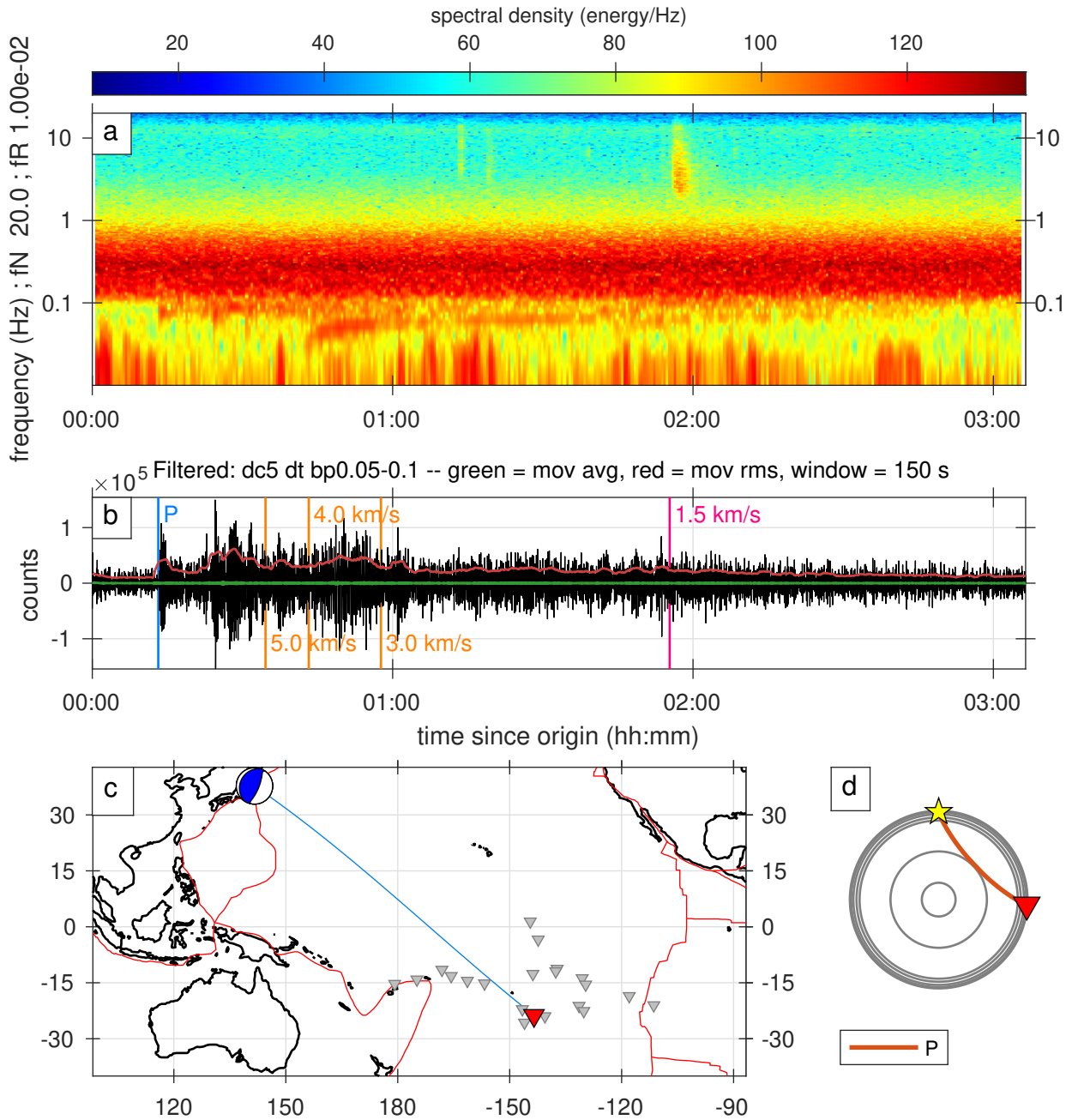


Figure S130. A full record of an earthquake classified as 2stars category.

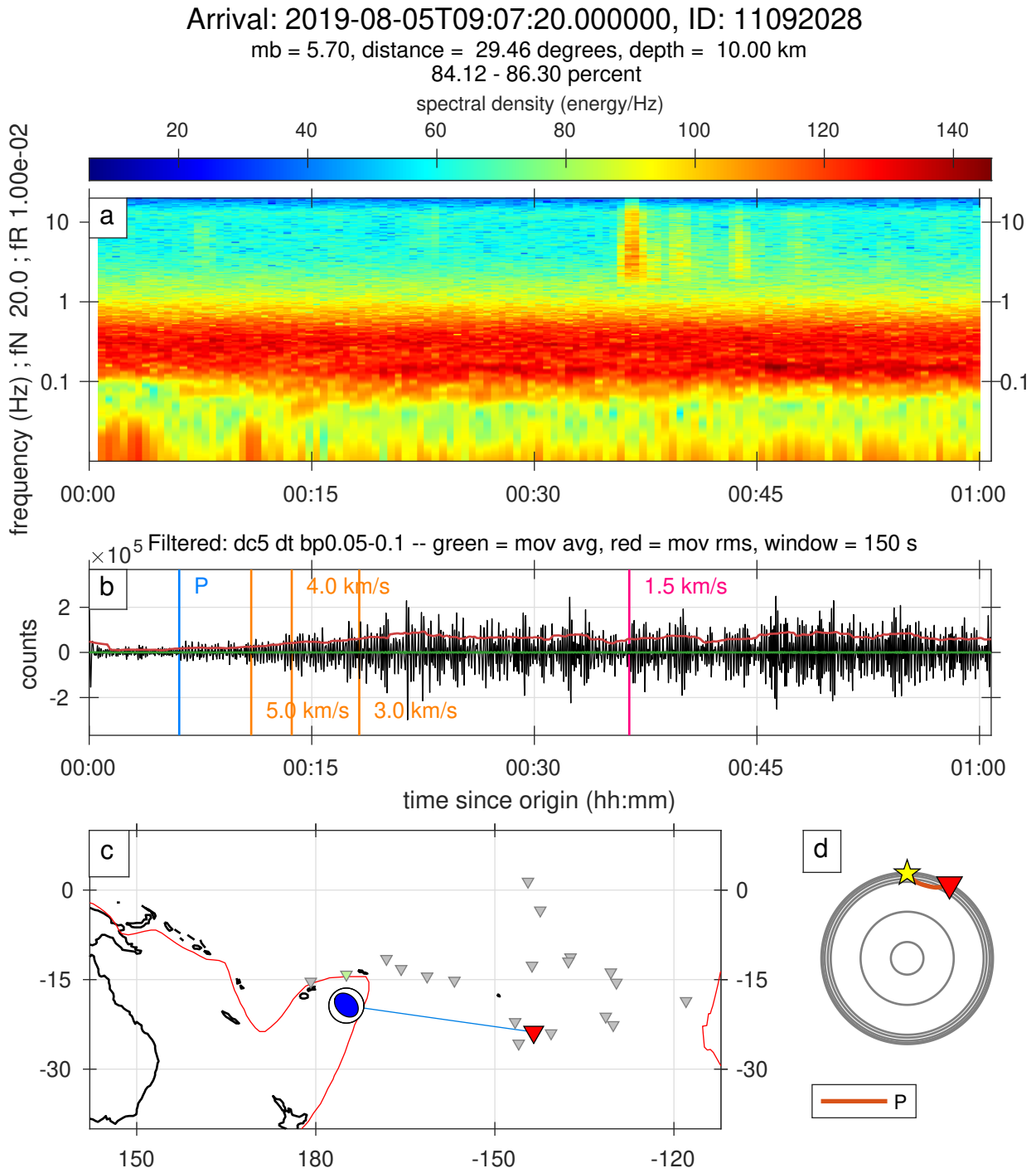


Figure S131. A full record of an earthquake classified as 2stars category.

Arrival: 2019-08-09T17:51:38.759791, ID: 11094587

Mww = 5.30, distance = 28.10 degrees, depth = 10.00 km

82.99 - 87.41 percent

spectral density (energy/Hz)

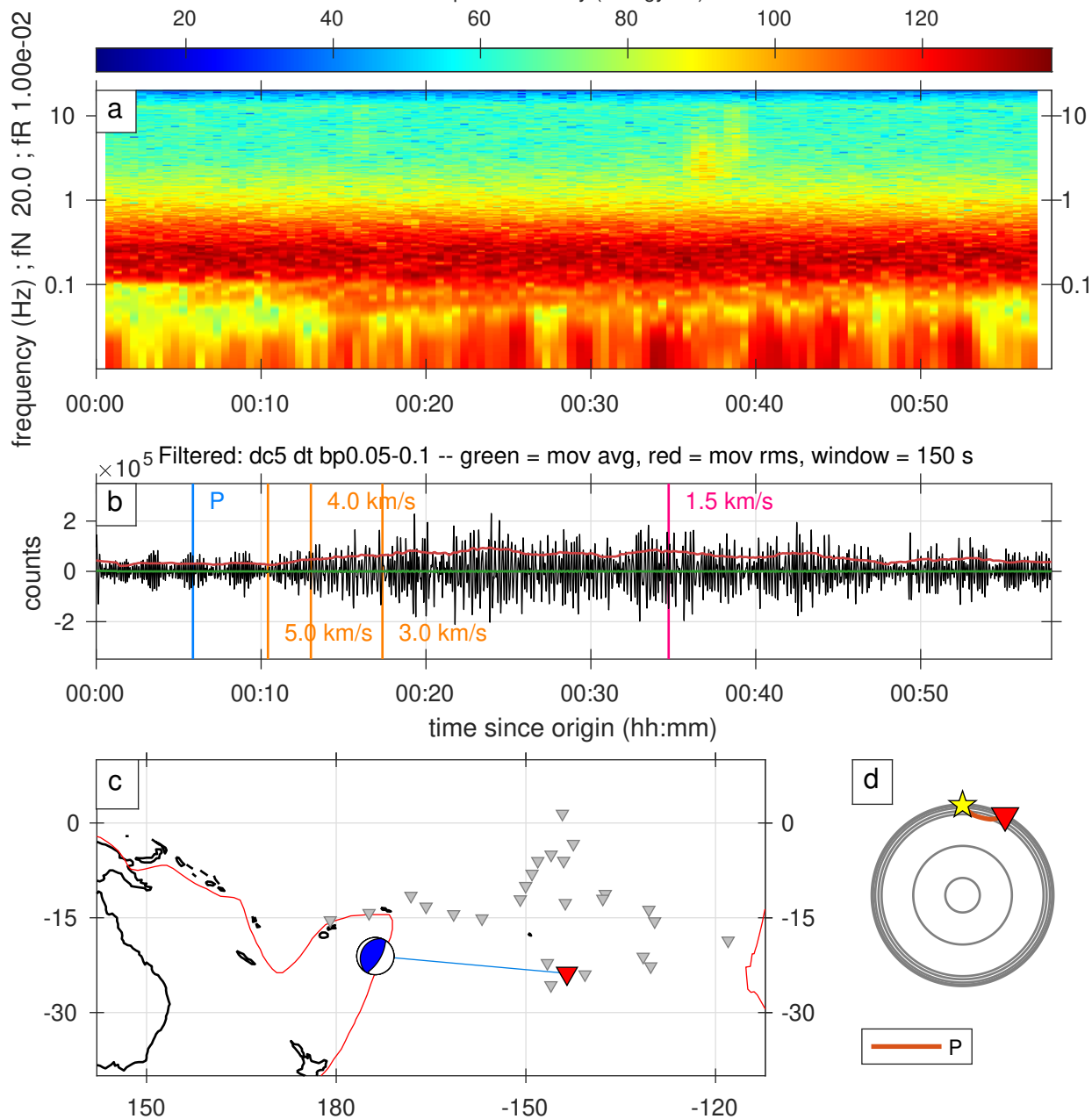


Figure S132. A full record of an earthquake classified as 2stars category.

Arrival: 2019-08-14T21:44:52.515516, ID: 11097877

Mww = 5.90, distance = 55.40 degrees, depth = 10.00 km

19.71 - 32.54 percent

spectral density (energy/Hz)

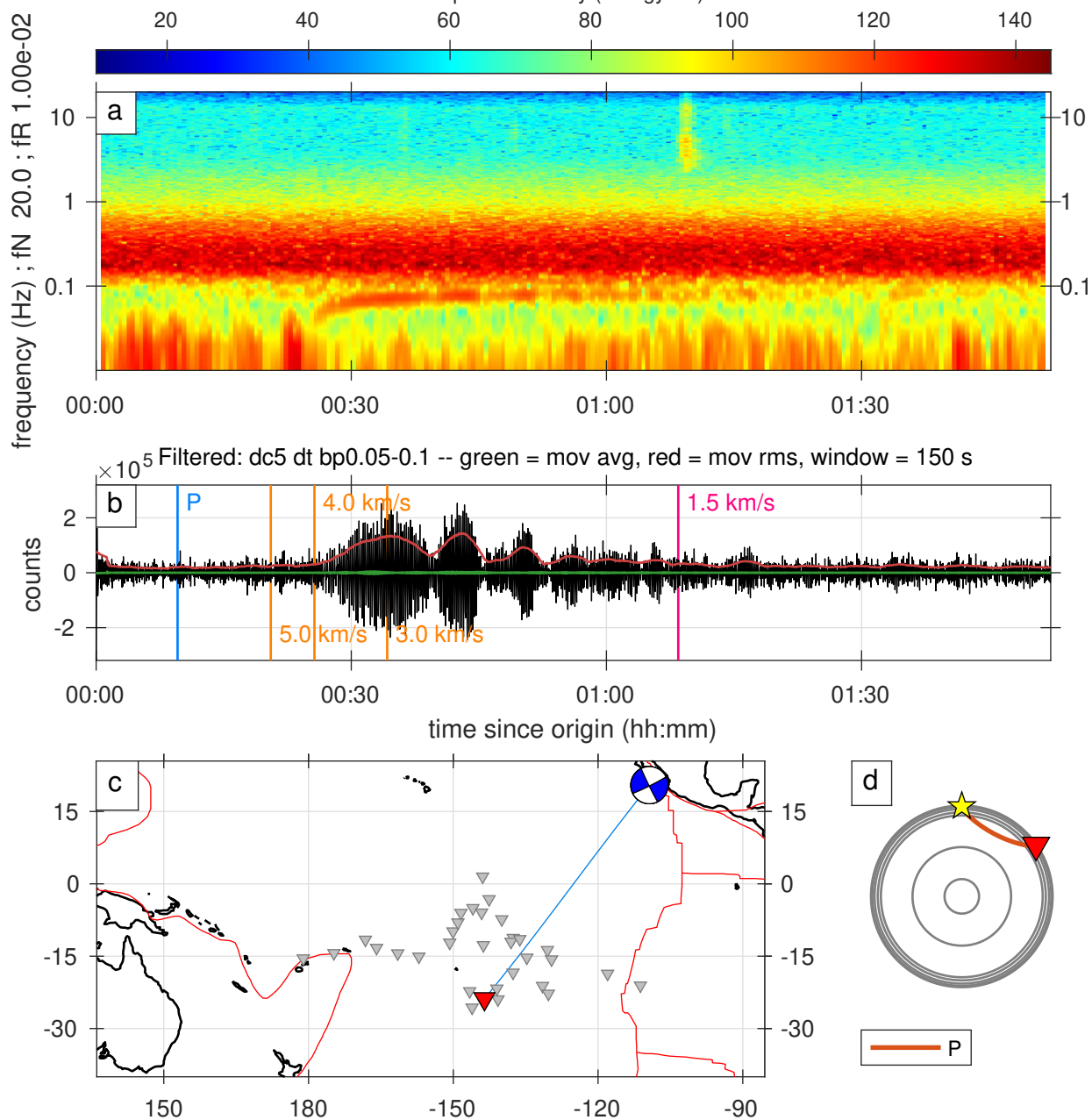


Figure S133. A full record of an earthquake classified as 2stars category.

Arrival: 2018-09-15T08:20:00.000000, ID: 10948197

Mww = 5.70, distance = 100.02 degrees, depth = 10.00 km

70.14 - 83.83 percent

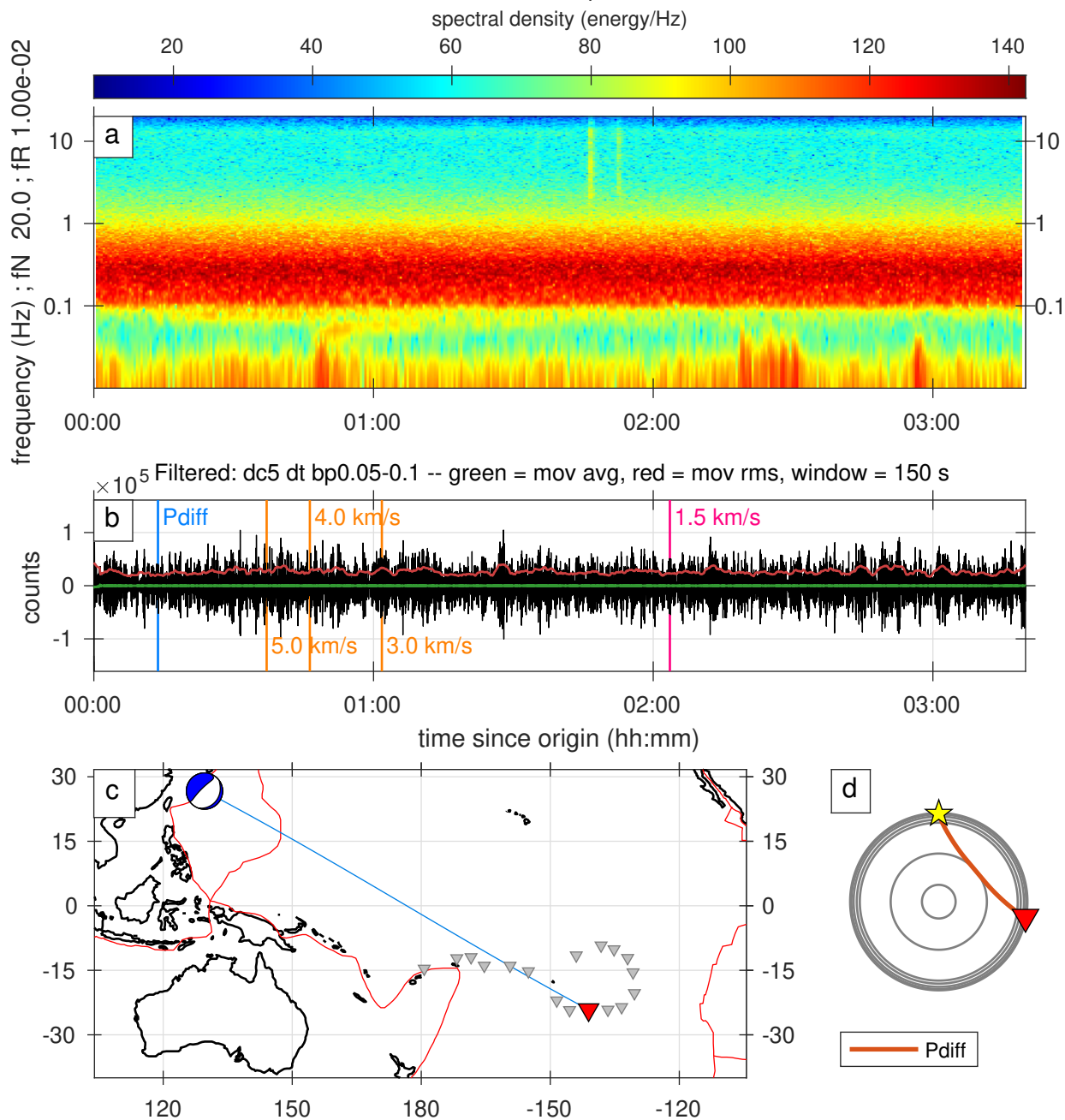


Figure S134. A full record of an earthquake classified as 1star category.

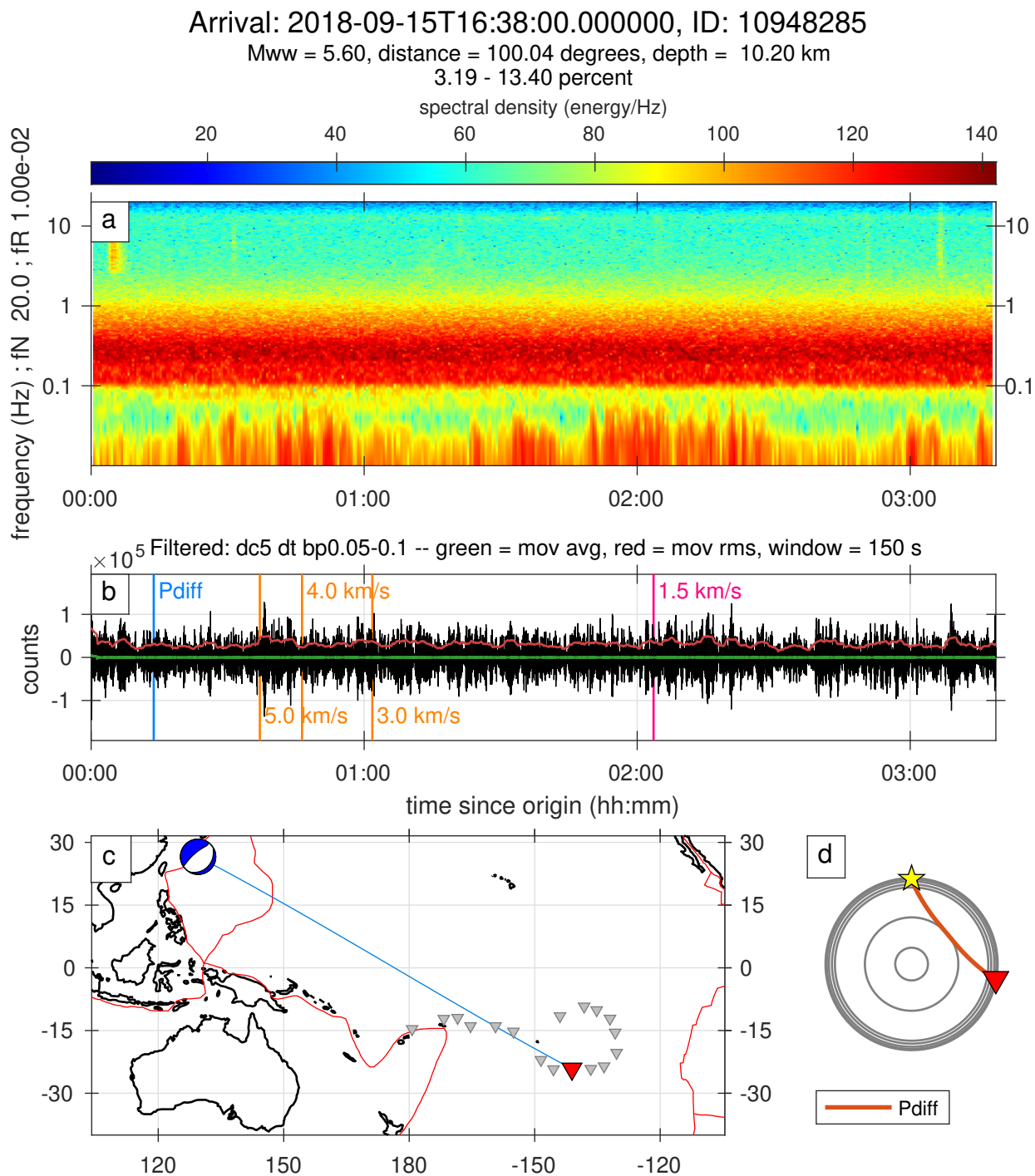


Figure S135. A full record of an earthquake classified as 1star category.

Arrival: 2018-09-18T07:50:00.000000, ID: 10953395

mb = 4.70, distance = 121.78 degrees, depth = 47.10 km

83.98 - 100.00 percent

spectral density (energy/Hz)

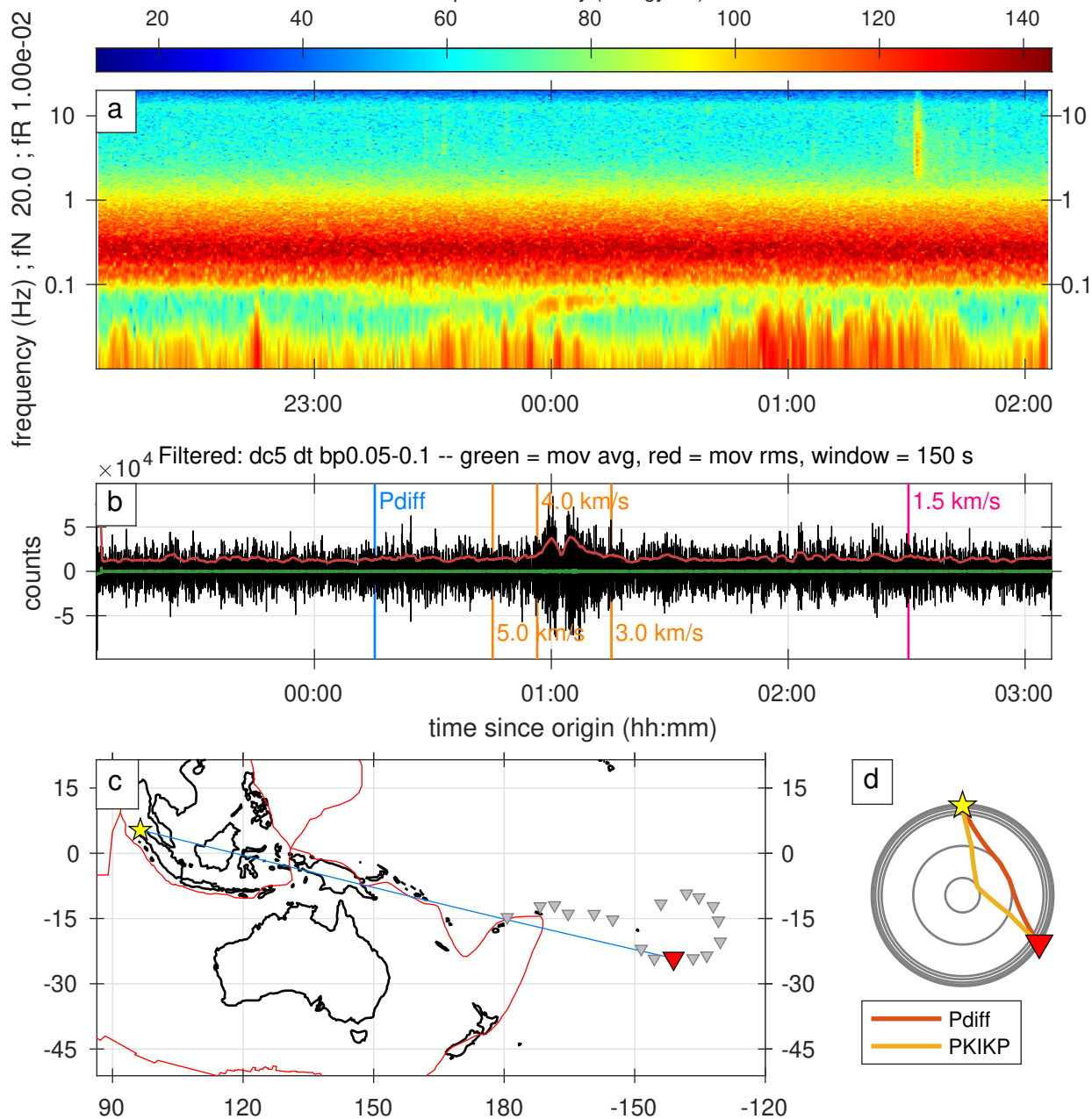
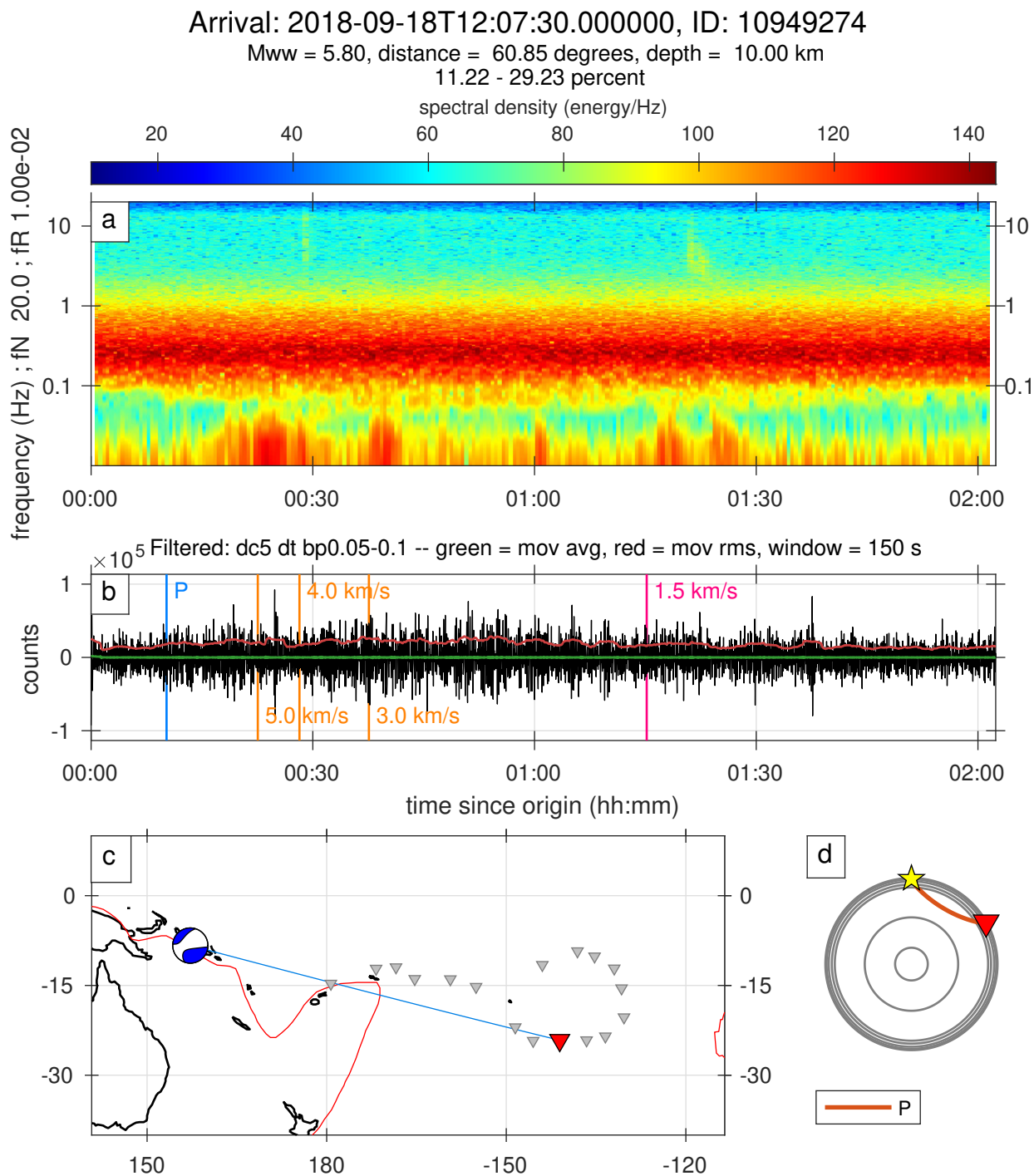


Figure S136. A full record of an earthquake classified as 1star category.



Arrival: 2018-09-21T03:49:00.000000, ID: 10950337

Mww = 5.90, distance = 36.75 degrees, depth = 652.35 km

93.49 - 95.74 percent

spectral density (energy/Hz)

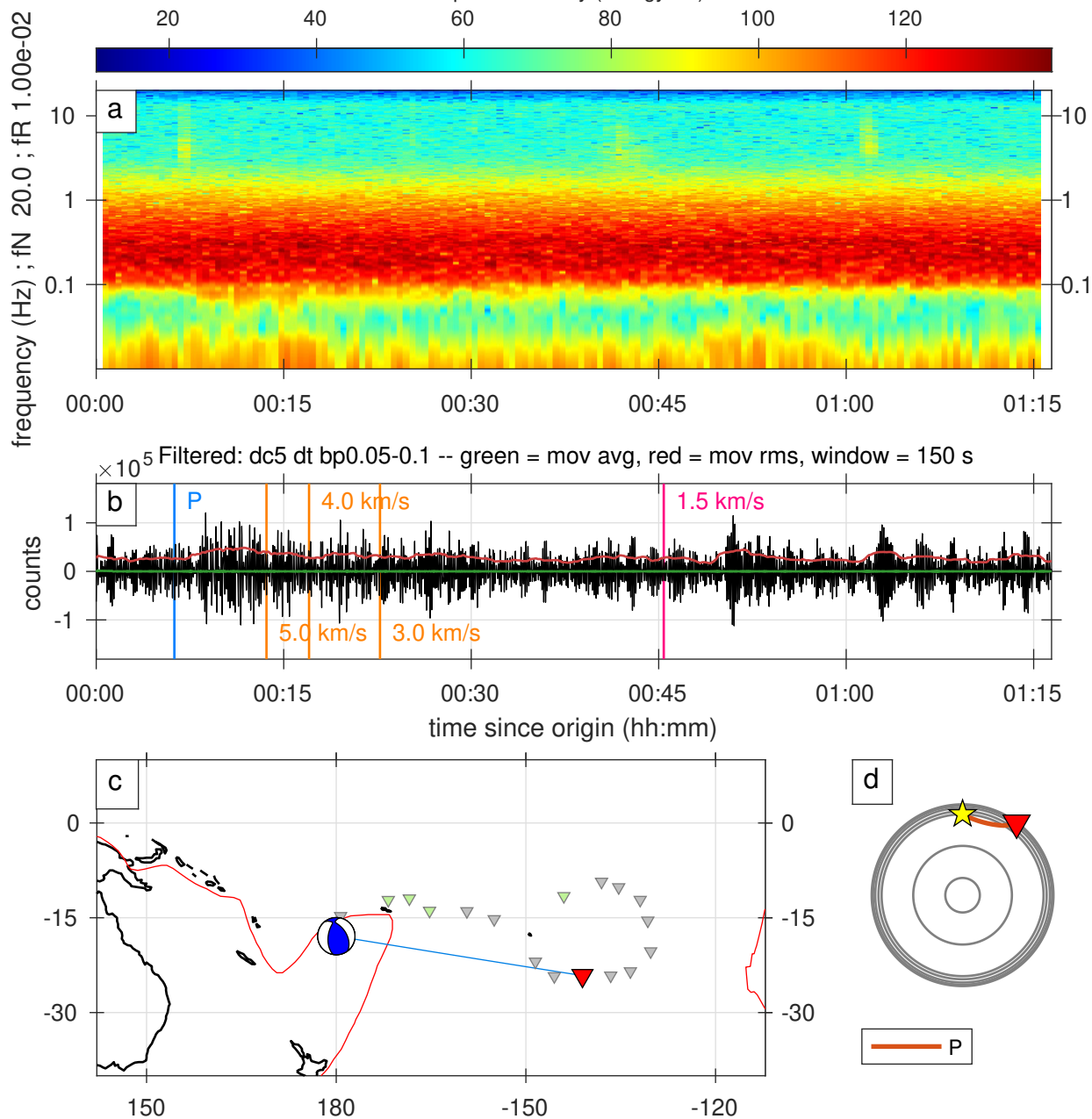


Figure S138. A full record of an earthquake classified as 1star category.

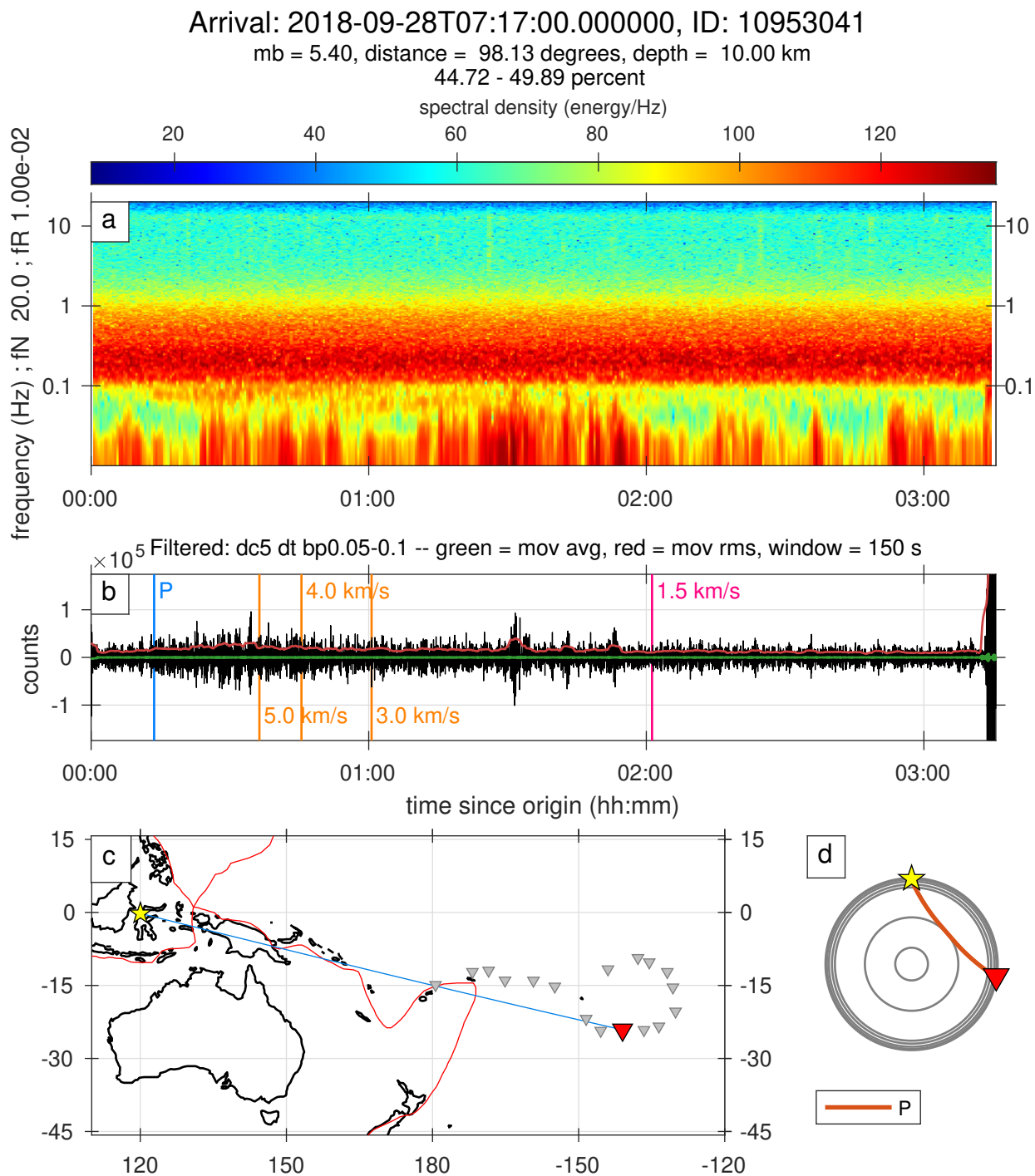


Figure S139. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-02T00:13:00.000000, ID: 10954454

Mww = 6.00, distance = 93.59 degrees, depth = 29.00 km
31.69 - 44.44 percent

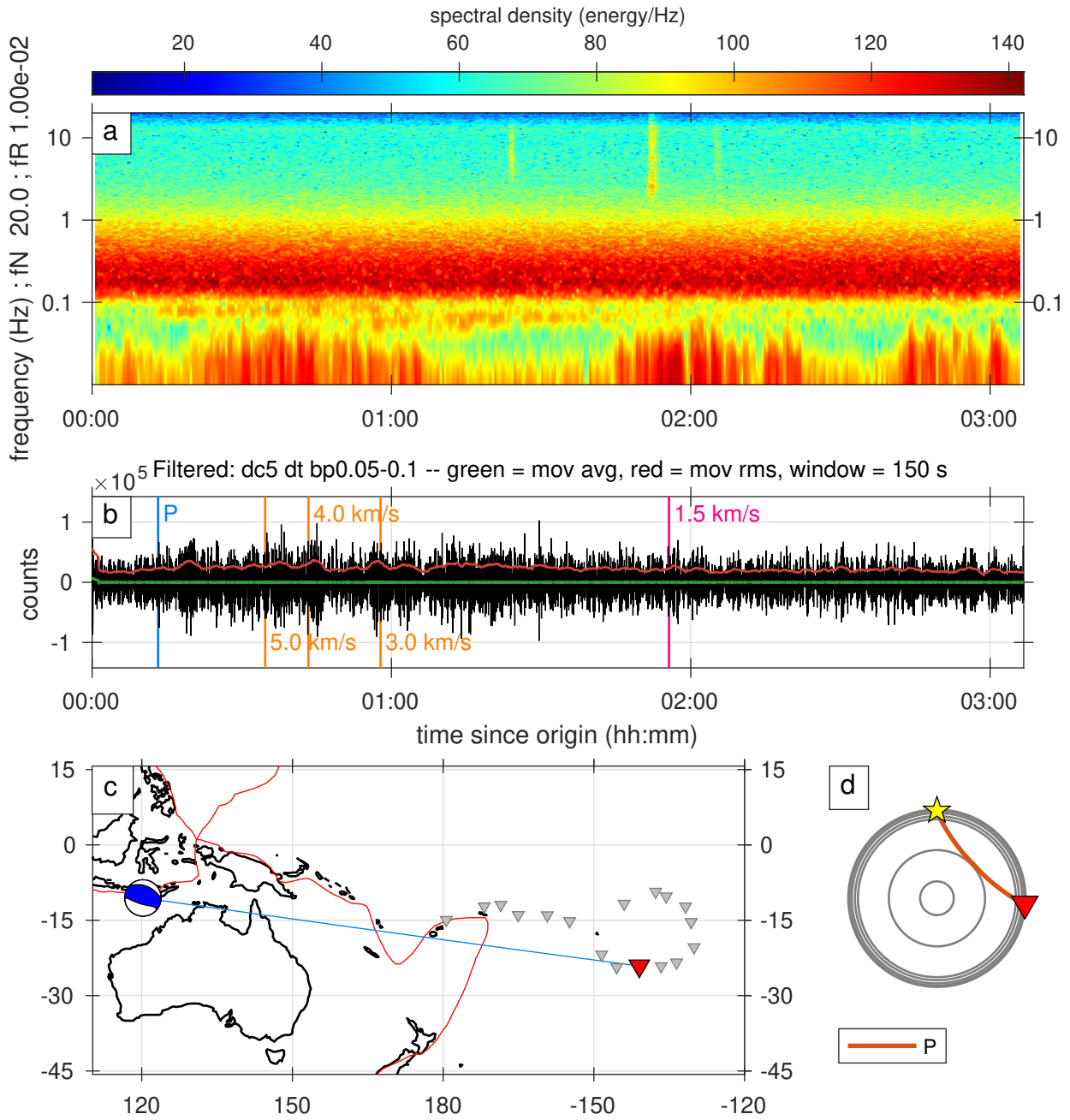


Figure S140. A full record of an earthquake classified as 1star category.

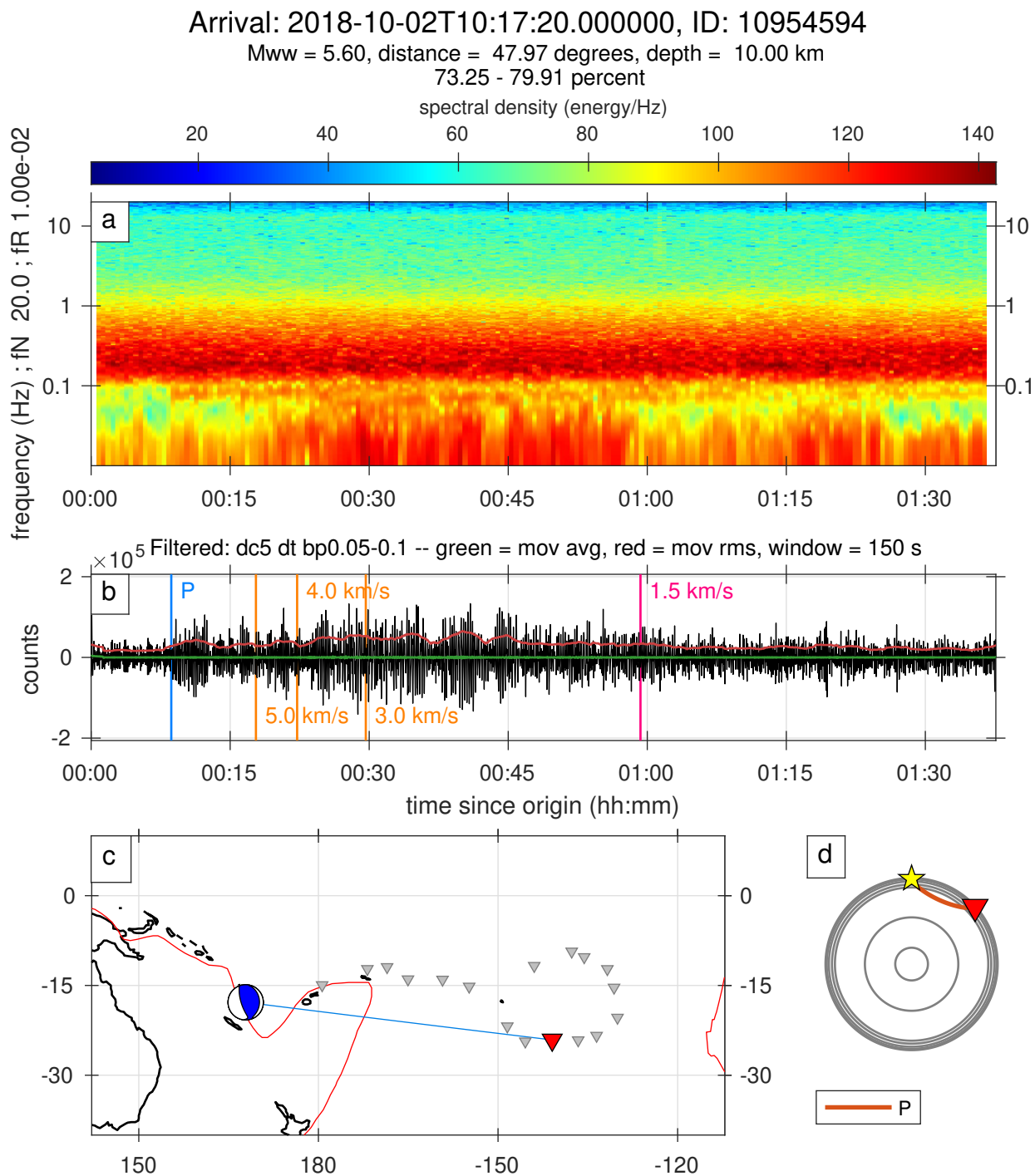


Figure S141. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-05T21:18:00.000000, ID: 10956142

Mww = 5.40, distance = 45.34 degrees, depth = 5.61 km

62.64 - 67.72 percent

spectral density (energy/Hz)

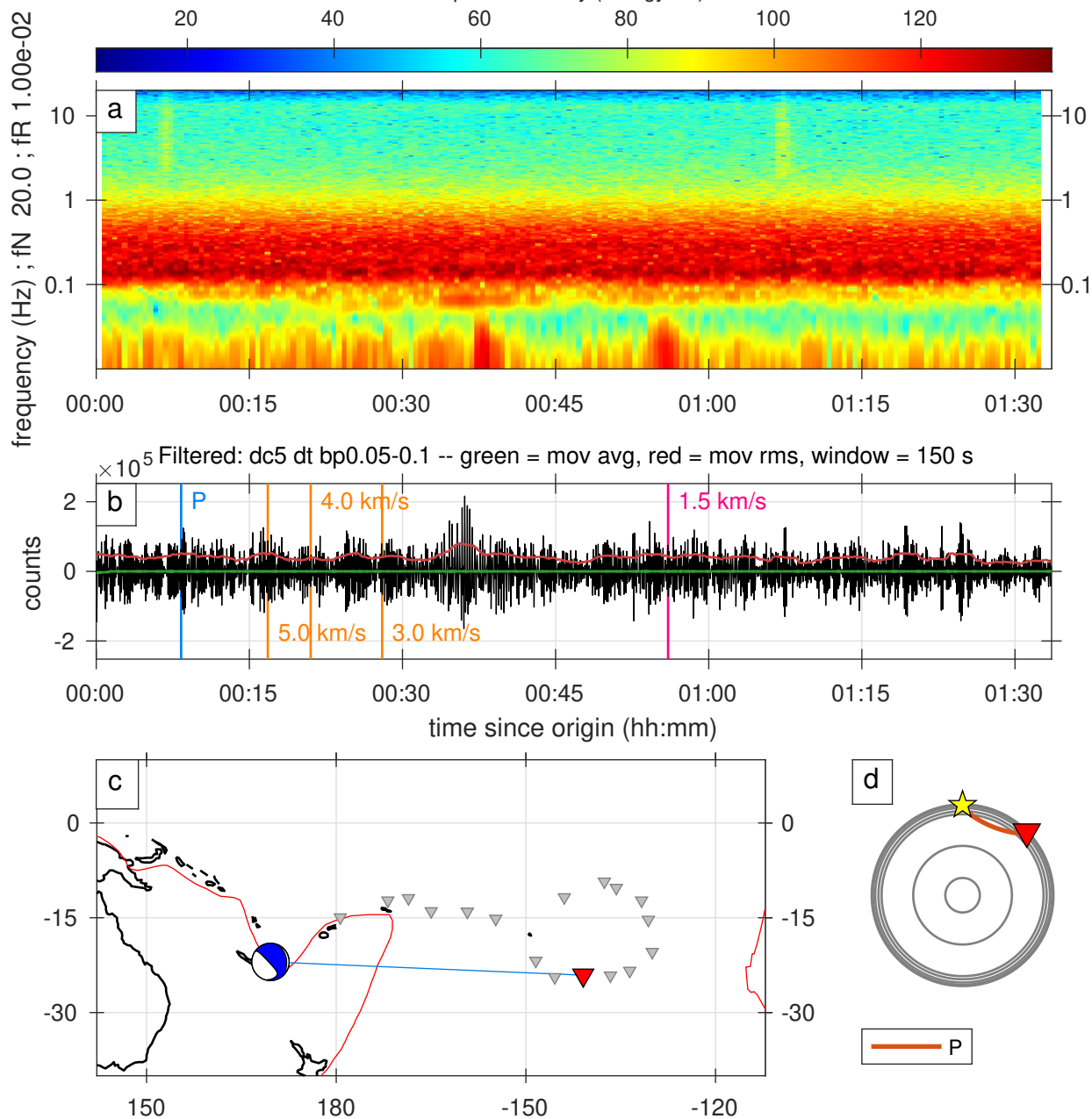


Figure S142. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-07T00:40:00.000000, ID: 10956451

mb = 4.90, distance = 63.22 degrees, depth = 55.04 km

36.16 - 41.14 percent

spectral density (energy/Hz)

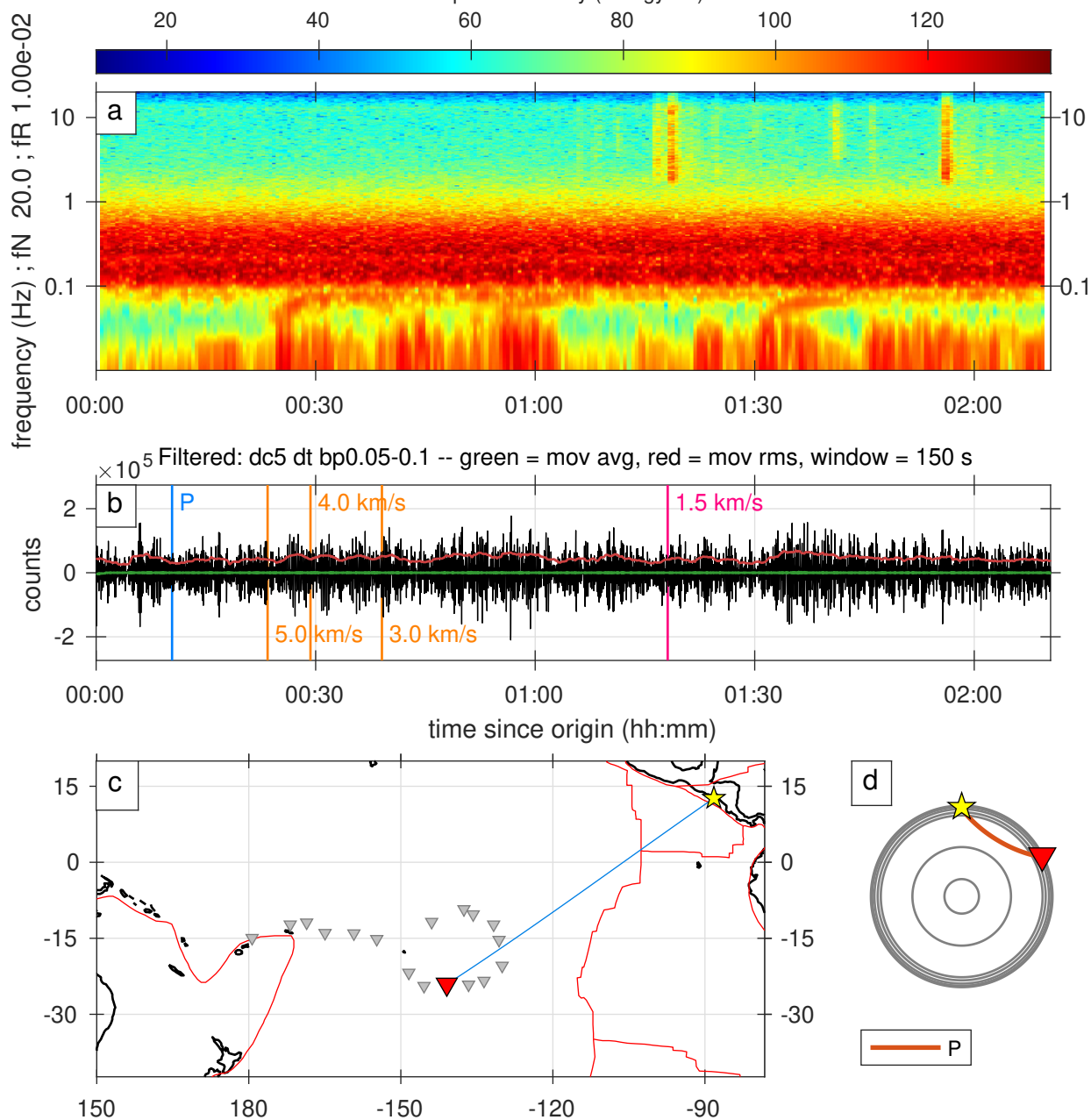


Figure S143. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-10T18:59:30.000000, ID: 10957904

Mww = 6.00, distance = 100.13 degrees, depth = 9.00 km

57.13 - 61.91 percent

spectral density (energy/Hz)

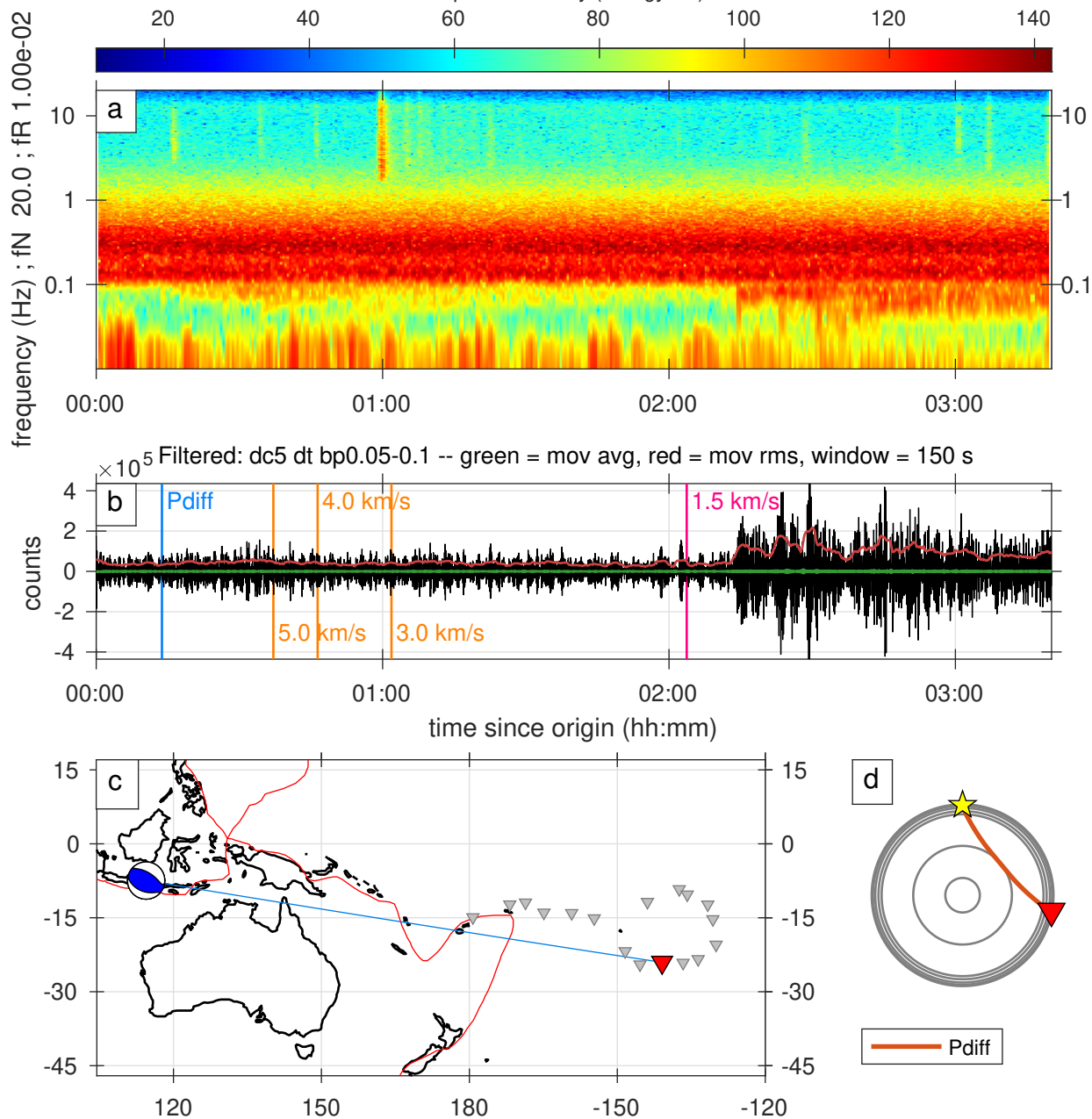


Figure S144. A full record of an earthquake classified as 1star category.

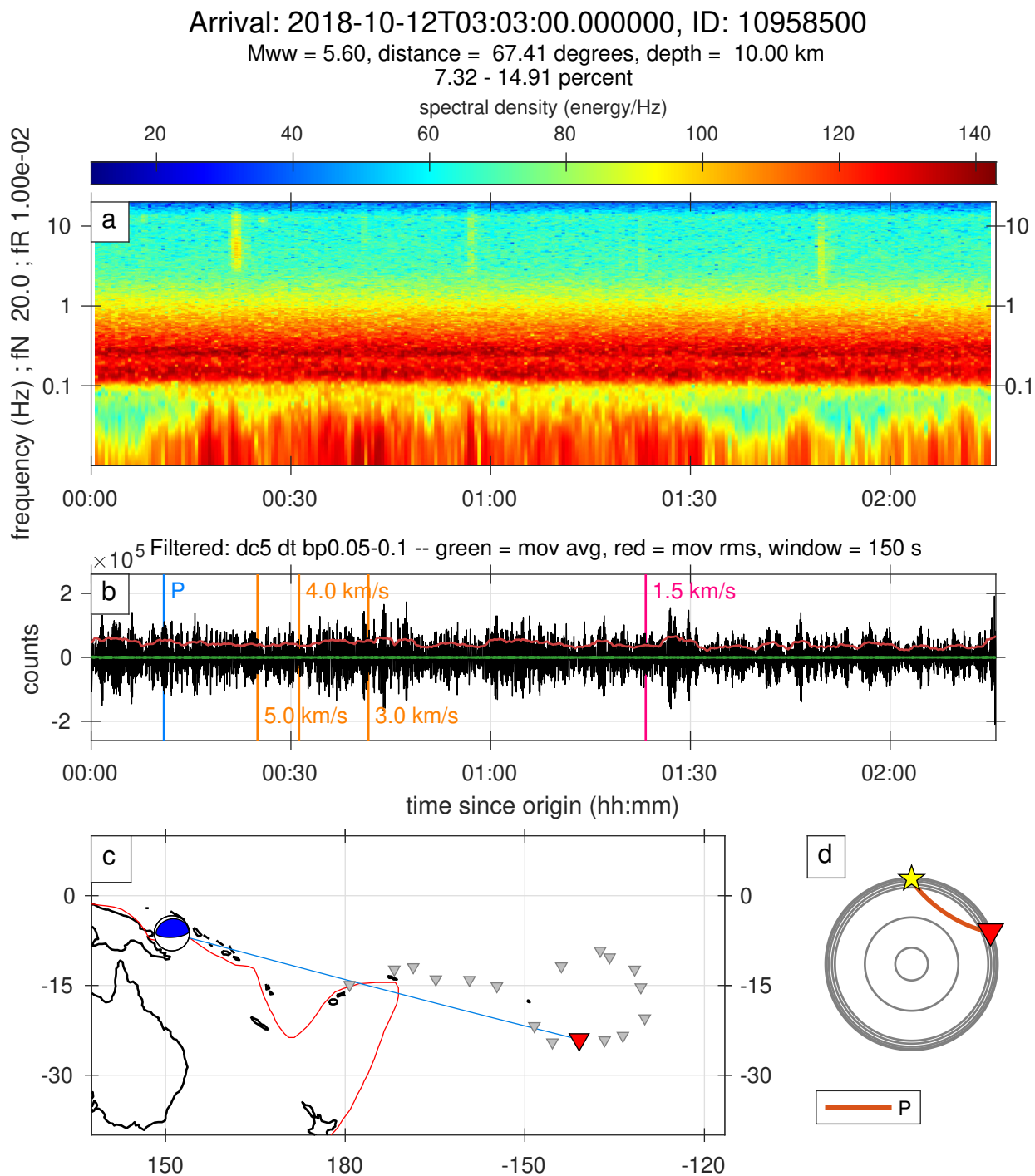


Figure S145. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-12T09:48:00.000000, ID: 10958593

mb = 5.10, distance = 33.46 degrees, depth = 10.00 km

30.13 - 34.02 percent

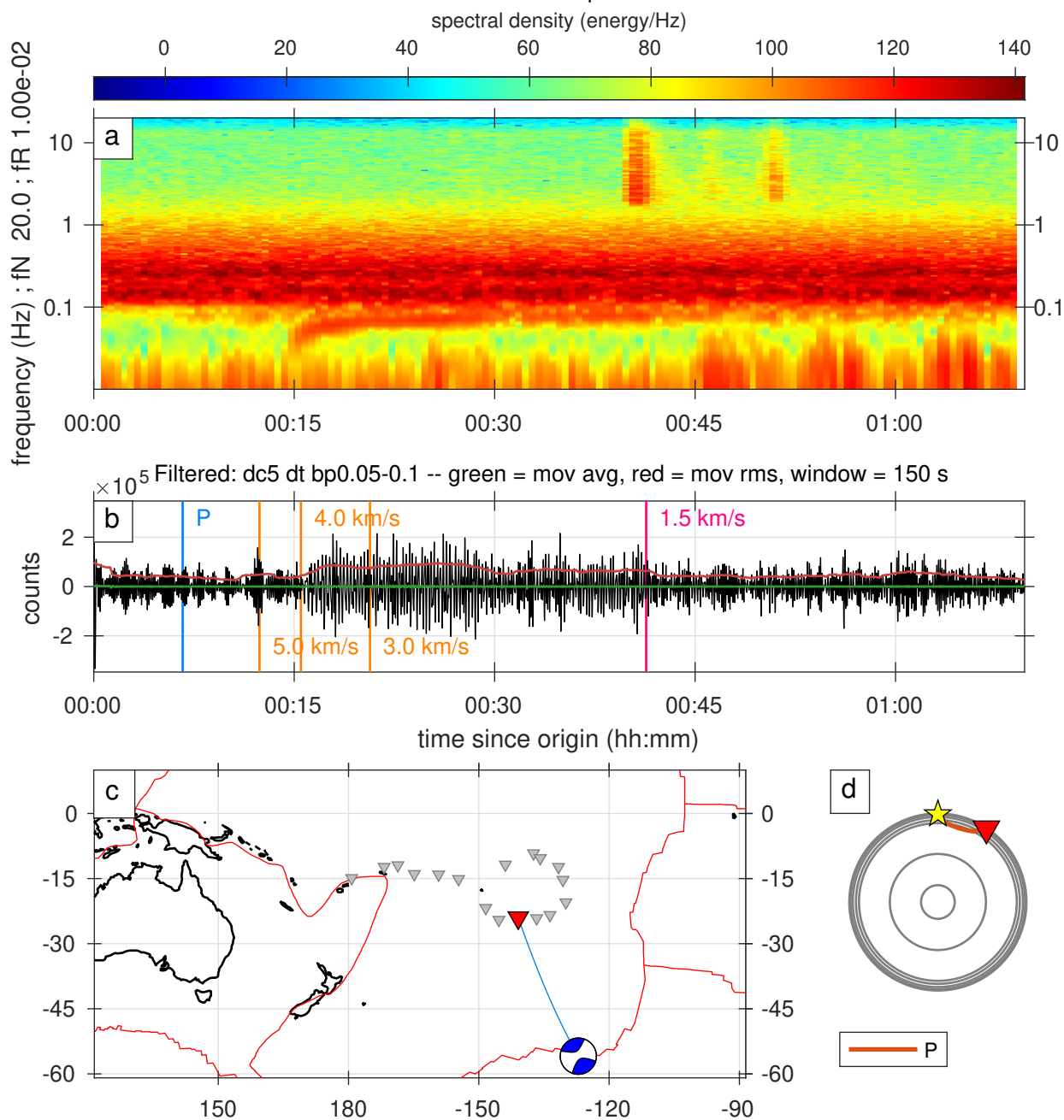


Figure S146. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-12T21:20:00.000000, ID: 10958761

Mww = 5.70, distance = 61.80 degrees, depth = 64.33 km

68.64 - 75.60 percent

spectral density (energy/Hz)

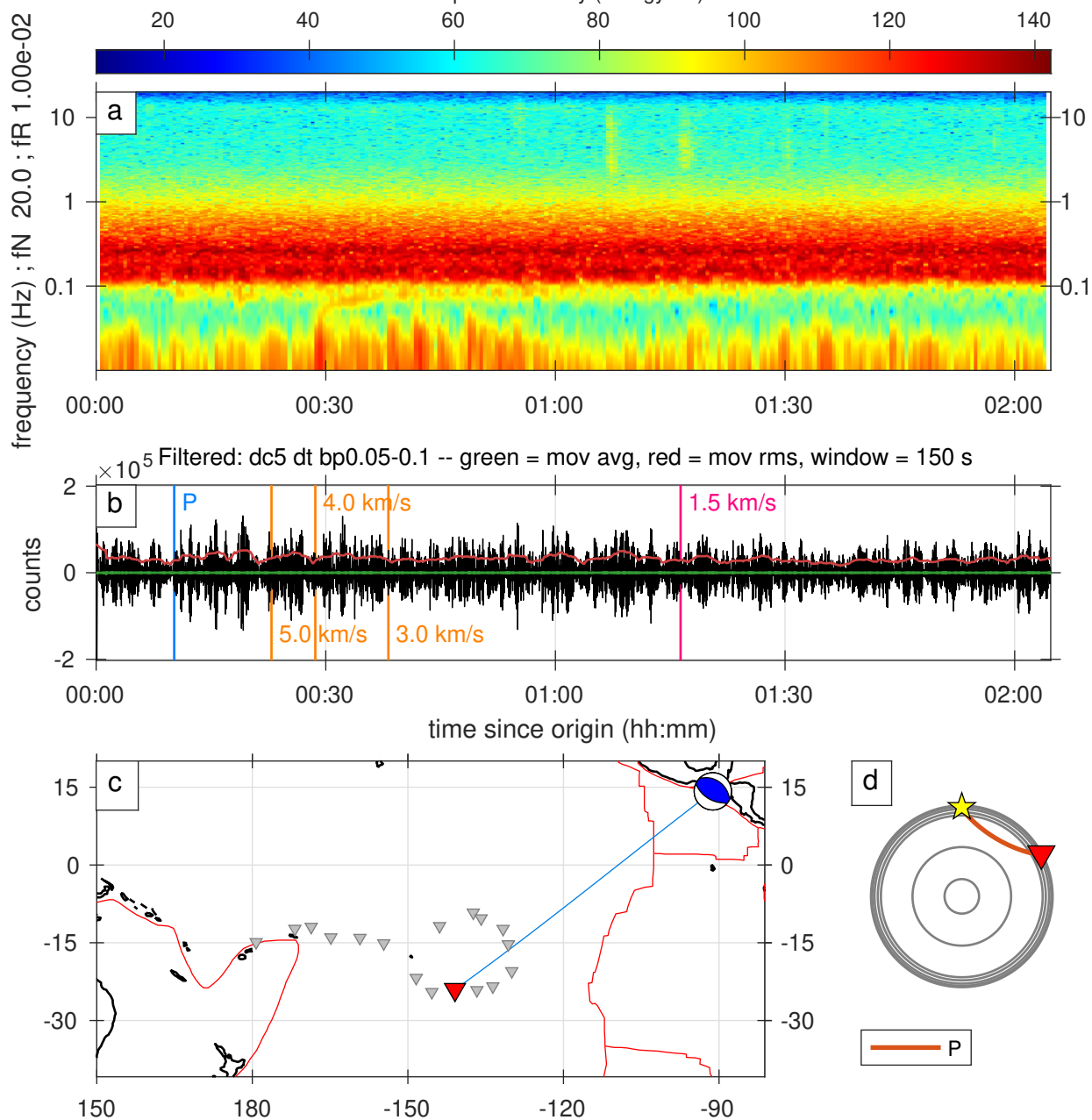


Figure S147. A full record of an earthquake classified as 1star category.

Arrival: 2018-10-26T09:18:00.000000, ID: 10964339

mww = 5.70, distance = 80.85 degrees, depth = 10.00 km

4.96 - 6.46 percent

spectral density (energy/Hz)

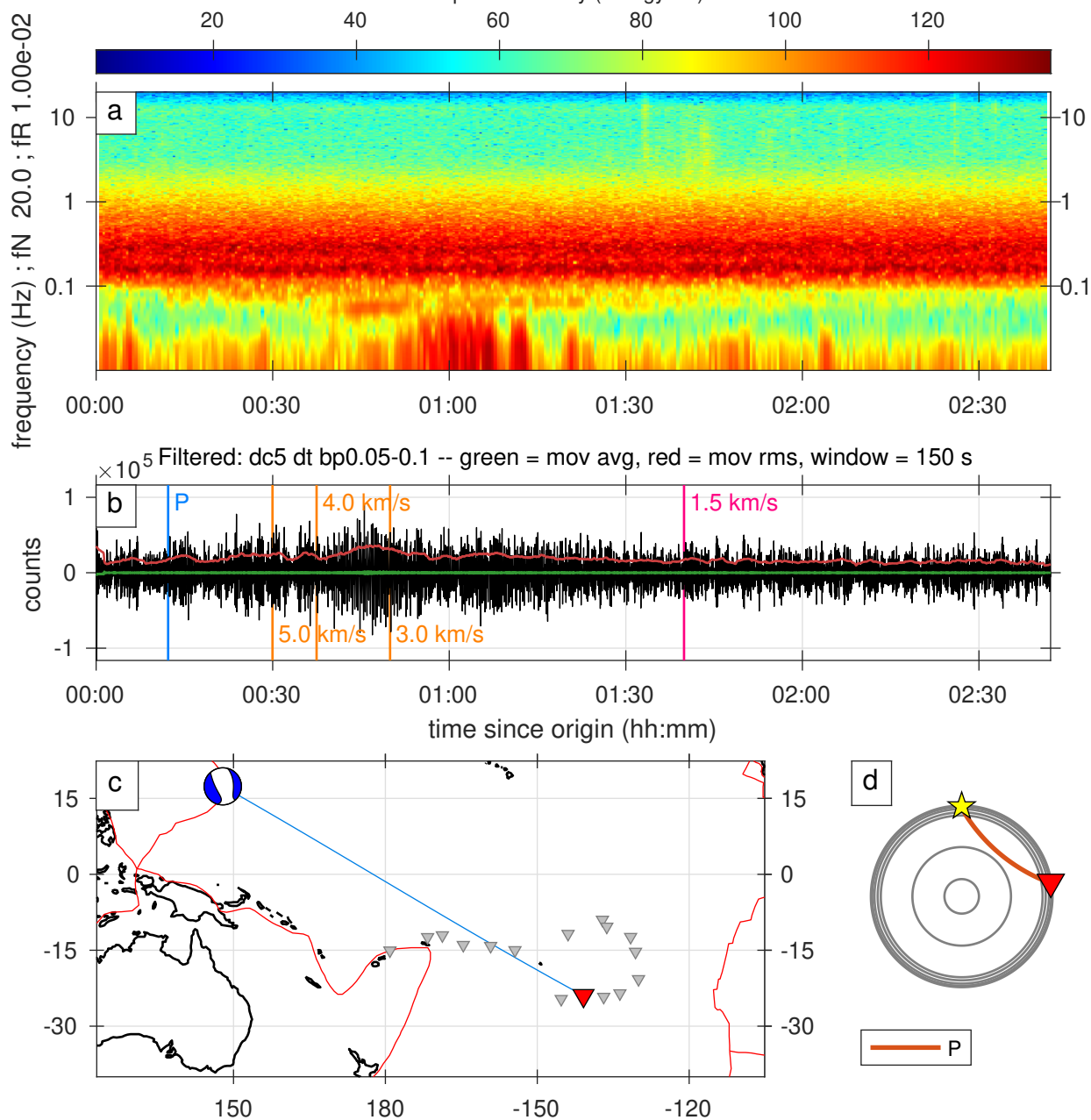


Figure S148. A full record of an earthquake classified as 1star category.

90.75 - 92.27 percent

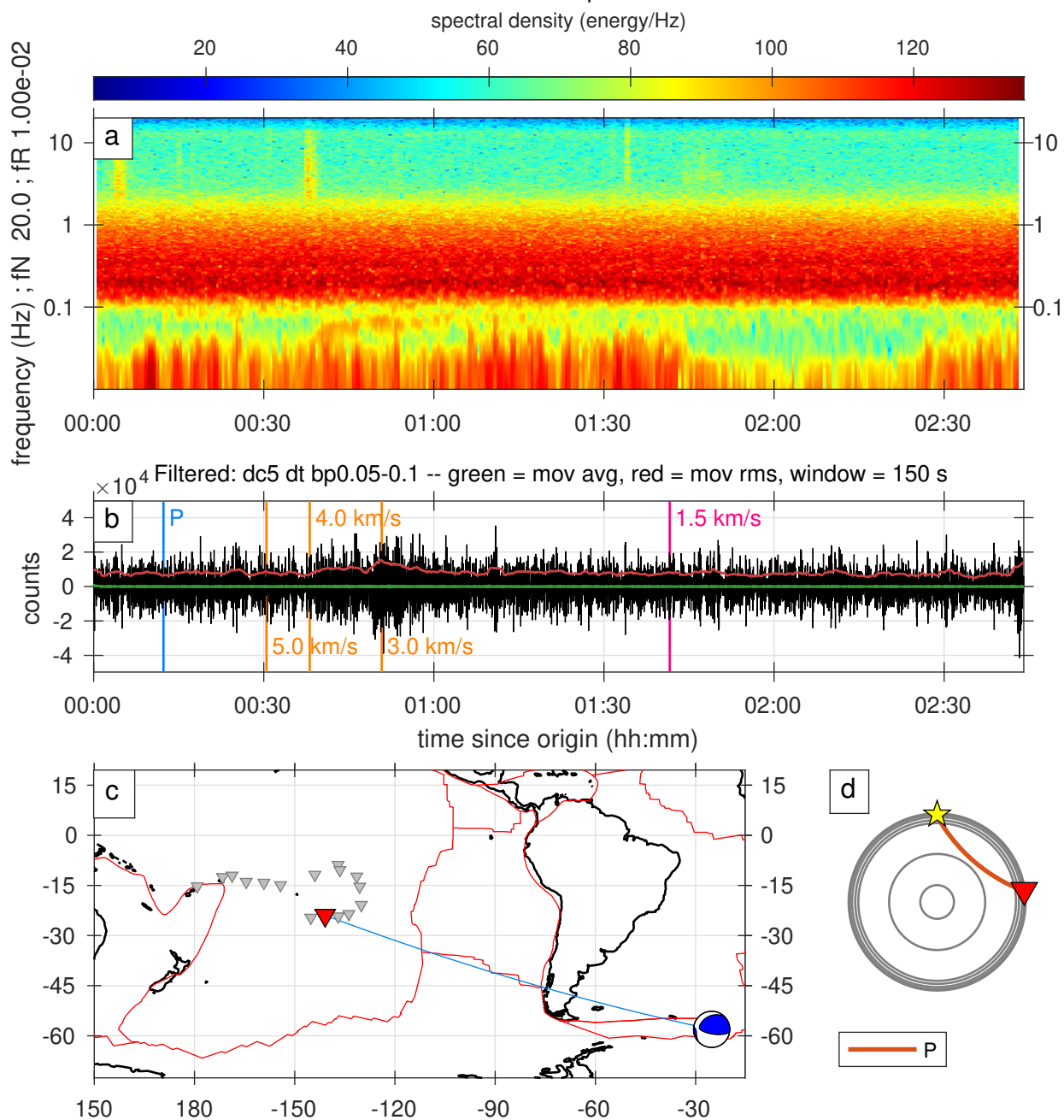


Figure S149. A full record of an earthquake classified as 1star category.

Arrival: 2018-11-04T19:40:00.000000, ID: 10967700

Mww = 5.90, distance = 95.71 degrees, depth = 9.00 km

9.15 - 11.11 percent

spectral density (energy/Hz)

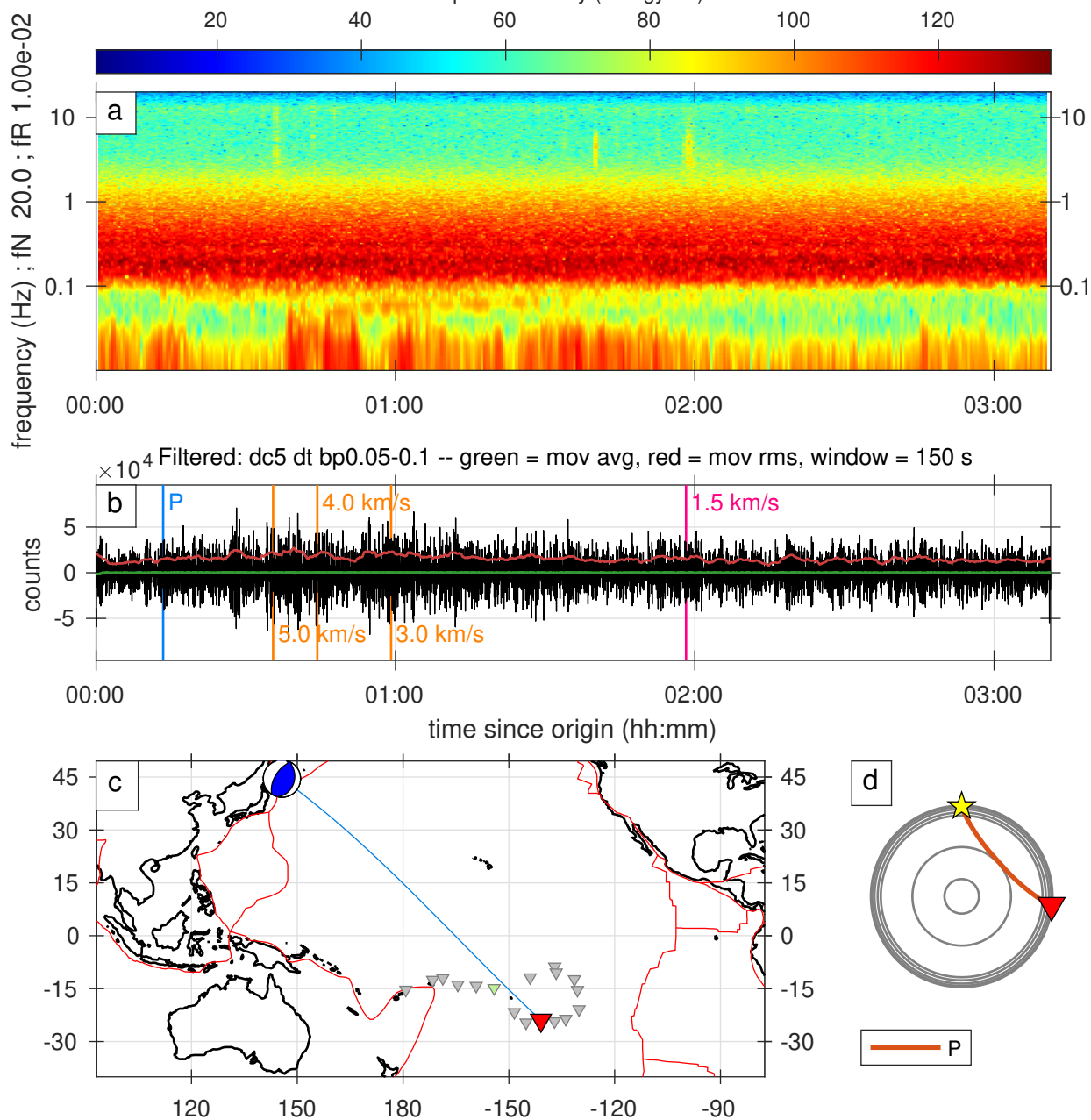


Figure S150. A full record of an earthquake classified as 1star category.

59.68 - 62.48 percent

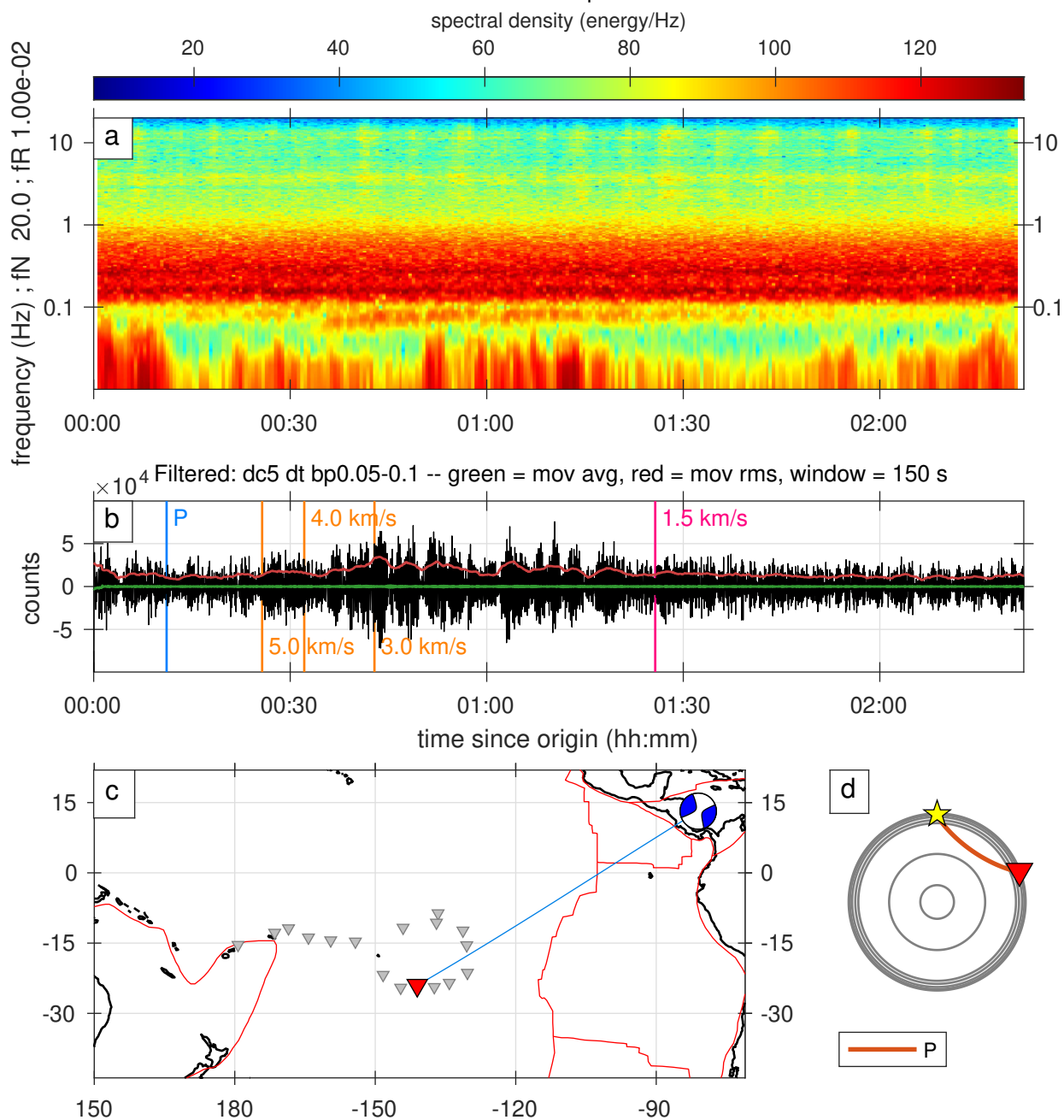


Figure S151. A full record of an earthquake classified as 1 star category.

Arrival: 2018-11-29T02:44:00.000000, ID: 10975815

mb = 5.00, distance = 29.81 degrees, depth = 10.00 km

41.94 - 44.13 percent

spectral density (energy/Hz)

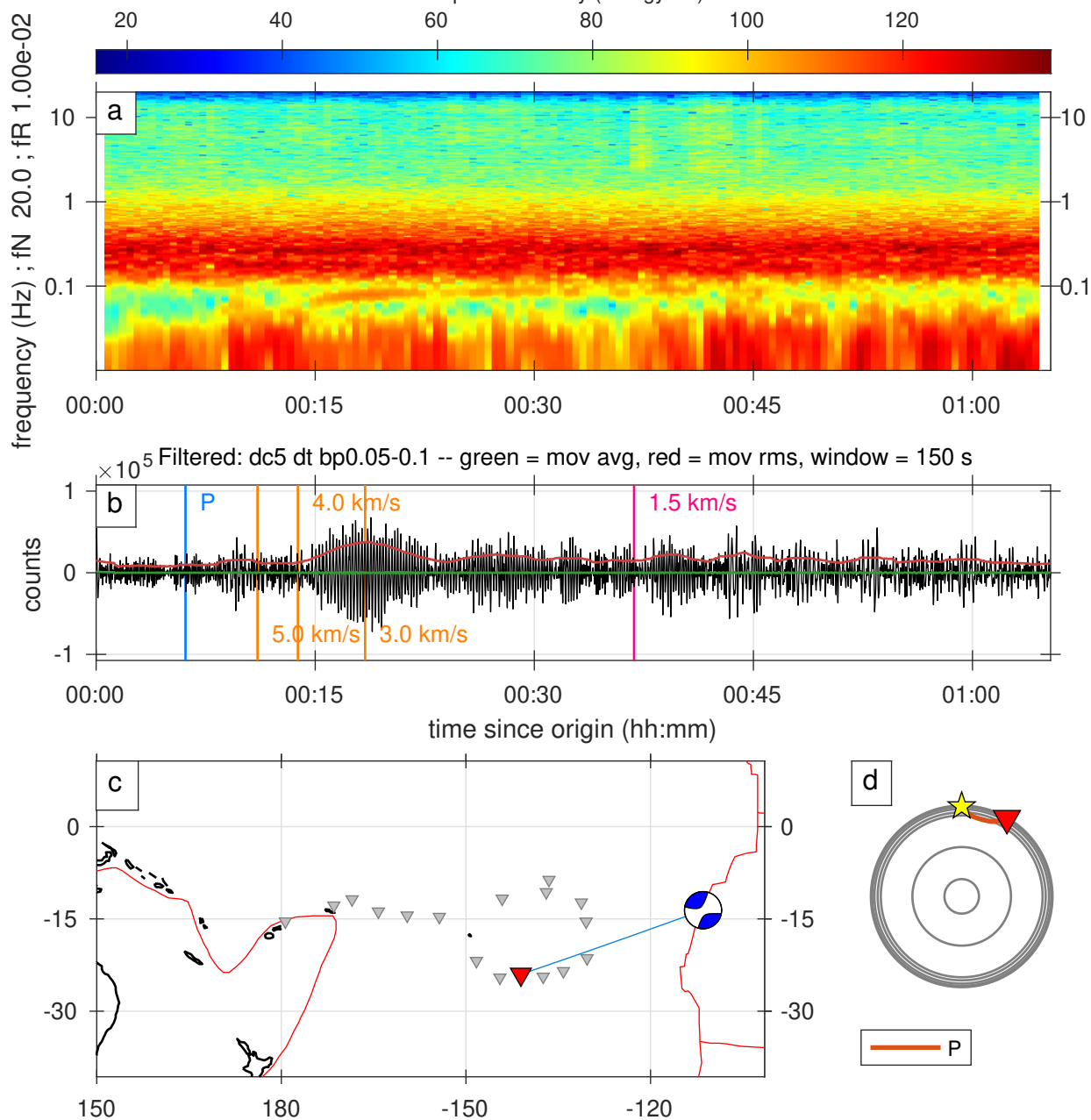
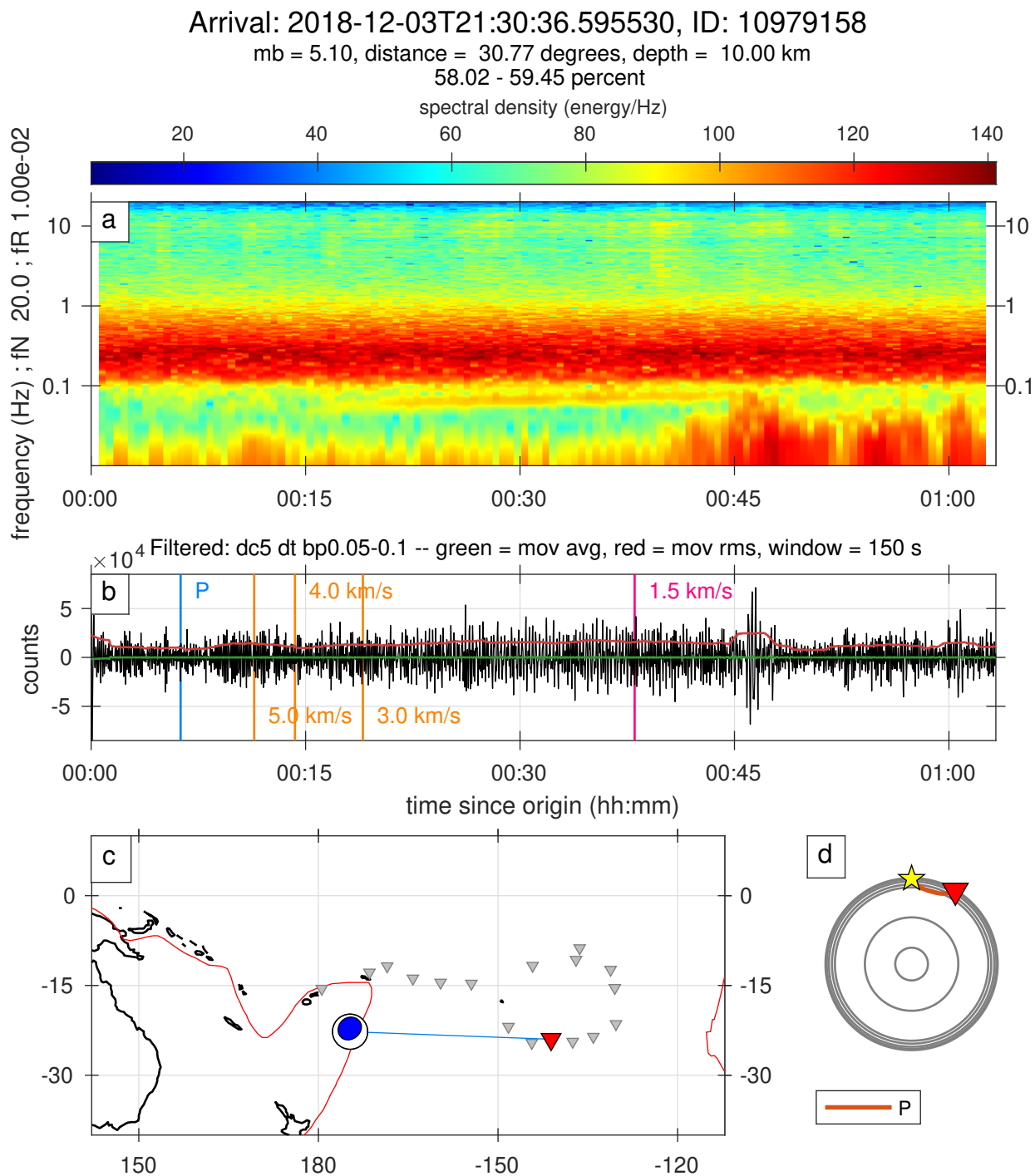


Figure S152. A full record of an earthquake classified as 1star category.



Arrival: 2018-12-15T20:33:00.000000, ID: 10985560

Mww = 5.40, distance = 47.73 degrees, depth = 11.08 km

45.94 - 46.95 percent

spectral density (energy/Hz)

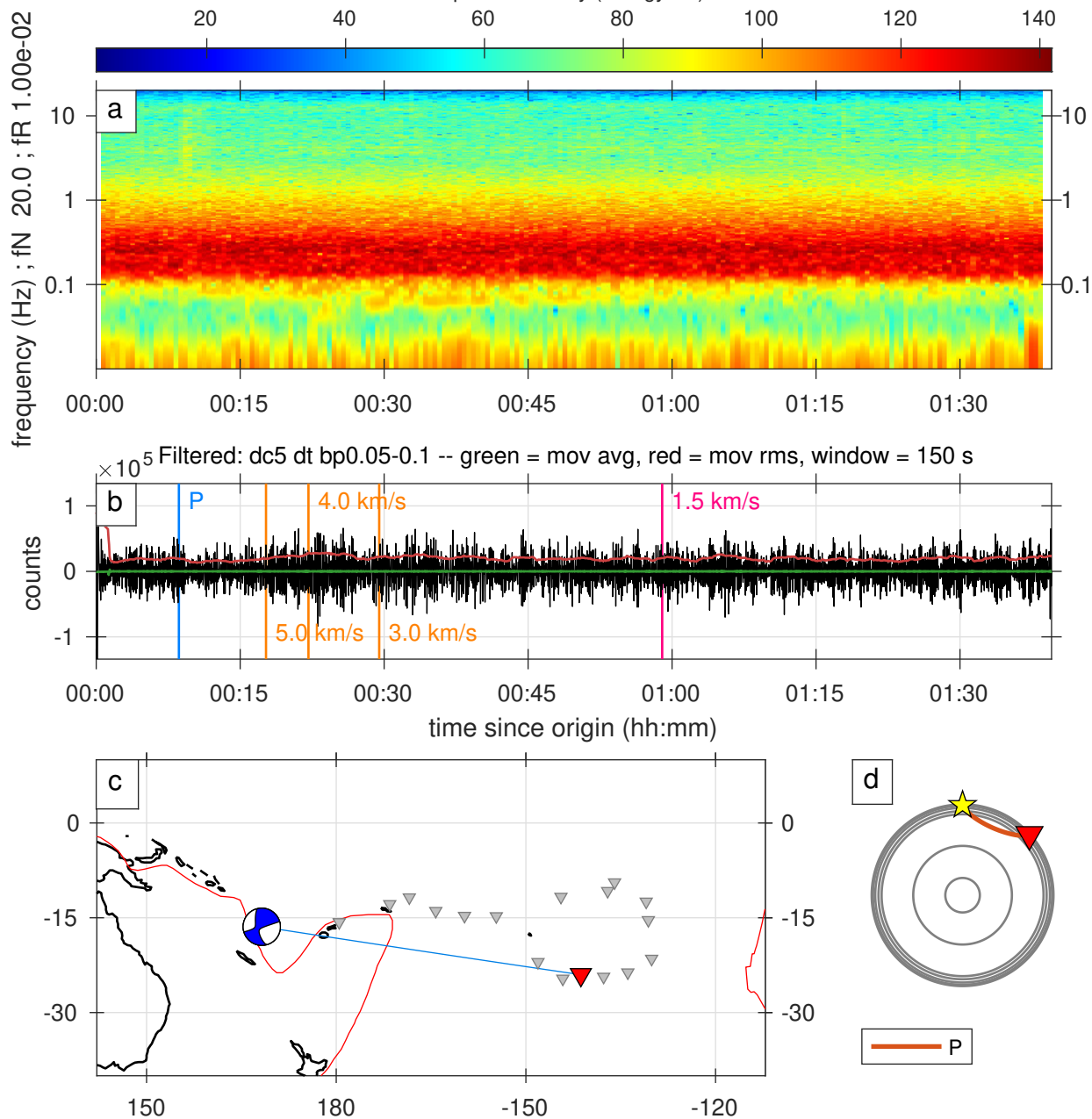


Figure S154. A full record of an earthquake classified as 1star category.

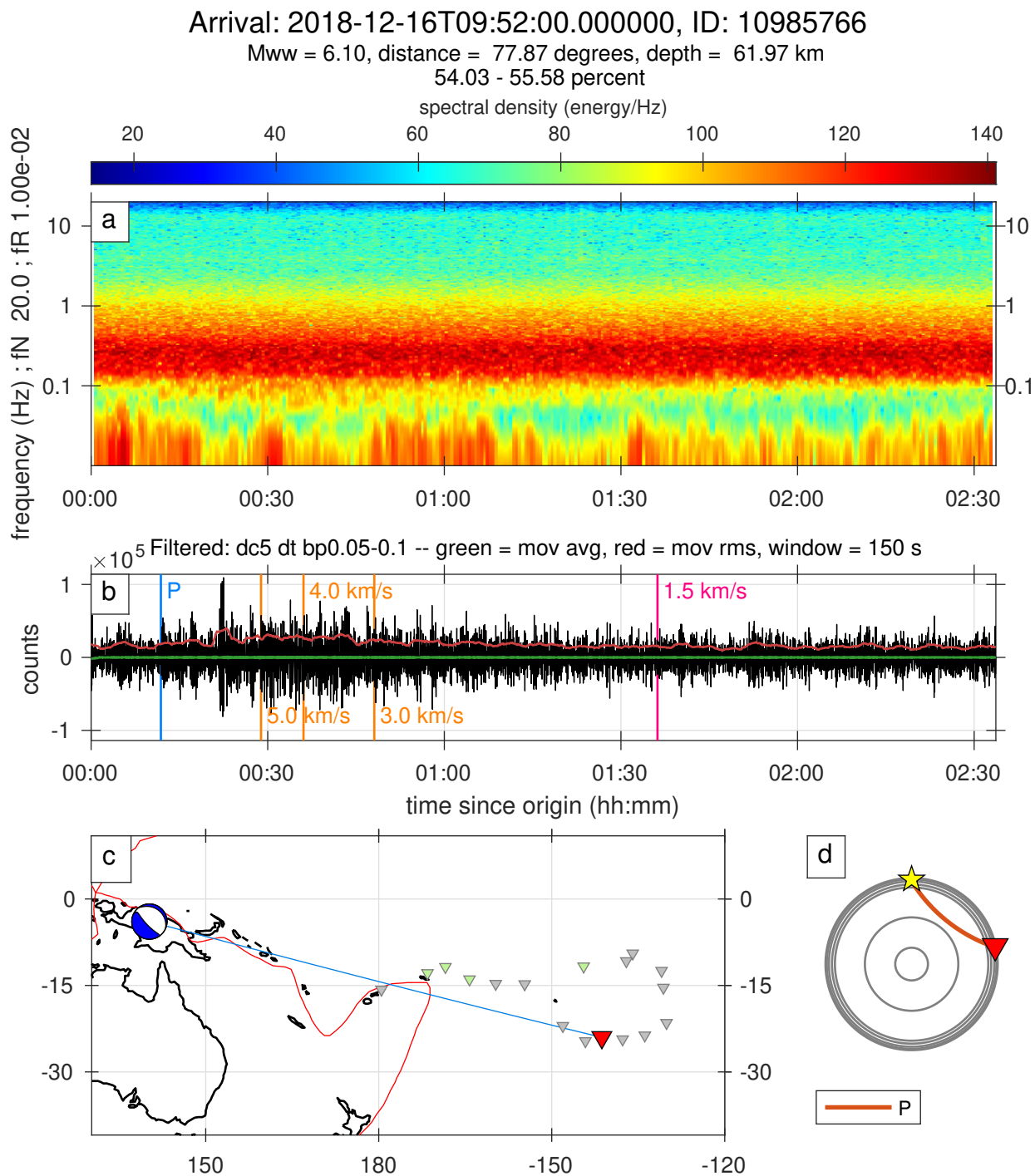


Figure S155. A full record of an earthquake classified as 1star category.

Arrival: 2018-12-16T14:40:00.000000, ID: 10985829

Mww = 5.80, distance = 94.17 degrees, depth = 10.00 km

56.90 - 58.80 percent

spectral density (energy/Hz)

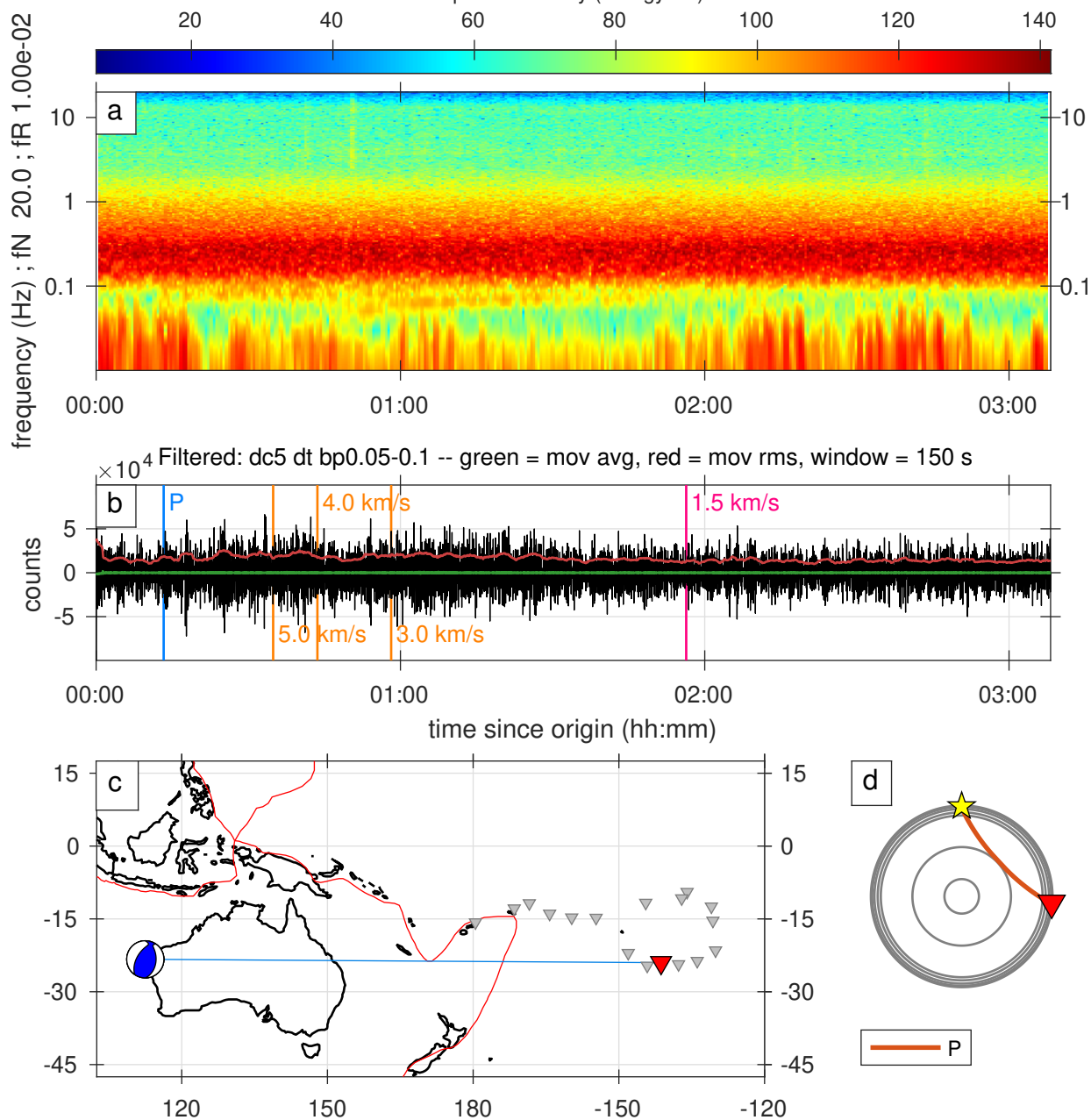


Figure S156. A full record of an earthquake classified as 1star category.

Arrival: 2018-12-22T14:33:00.000000, ID: 10988309

Mww = 6.00, distance = 49.90 degrees, depth = 42.00 km

34.32 - 38.00 percent

spectral density (energy/Hz)

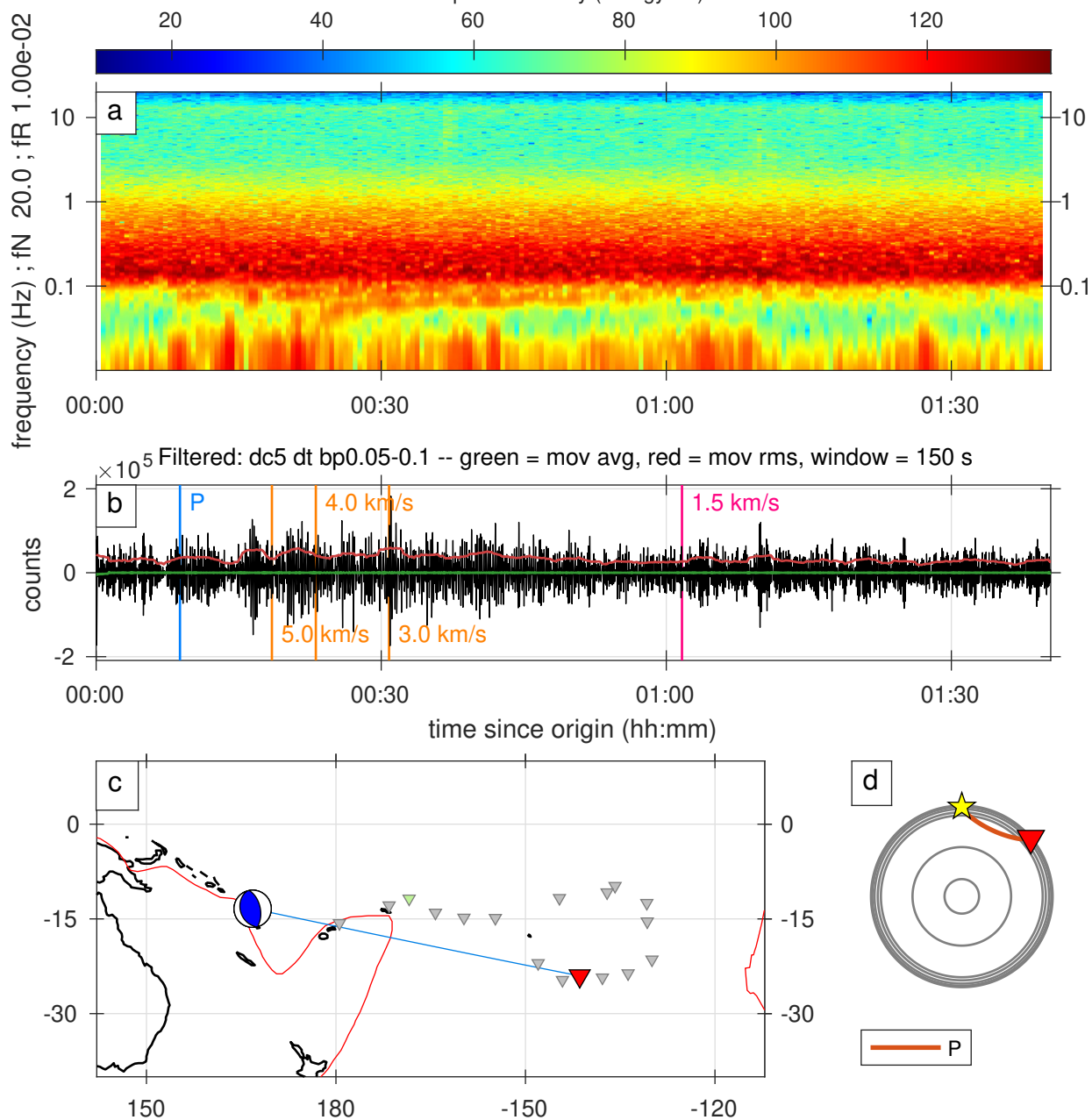


Figure S157. A full record of an earthquake classified as 1star category.

Arrival: 2018-12-25T00:25:00.000000, ID: 10989140

Mww = 5.30, distance = 93.24 degrees, depth = 10.00 km

13.68 - 34.49 percent

spectral density (energy/Hz)

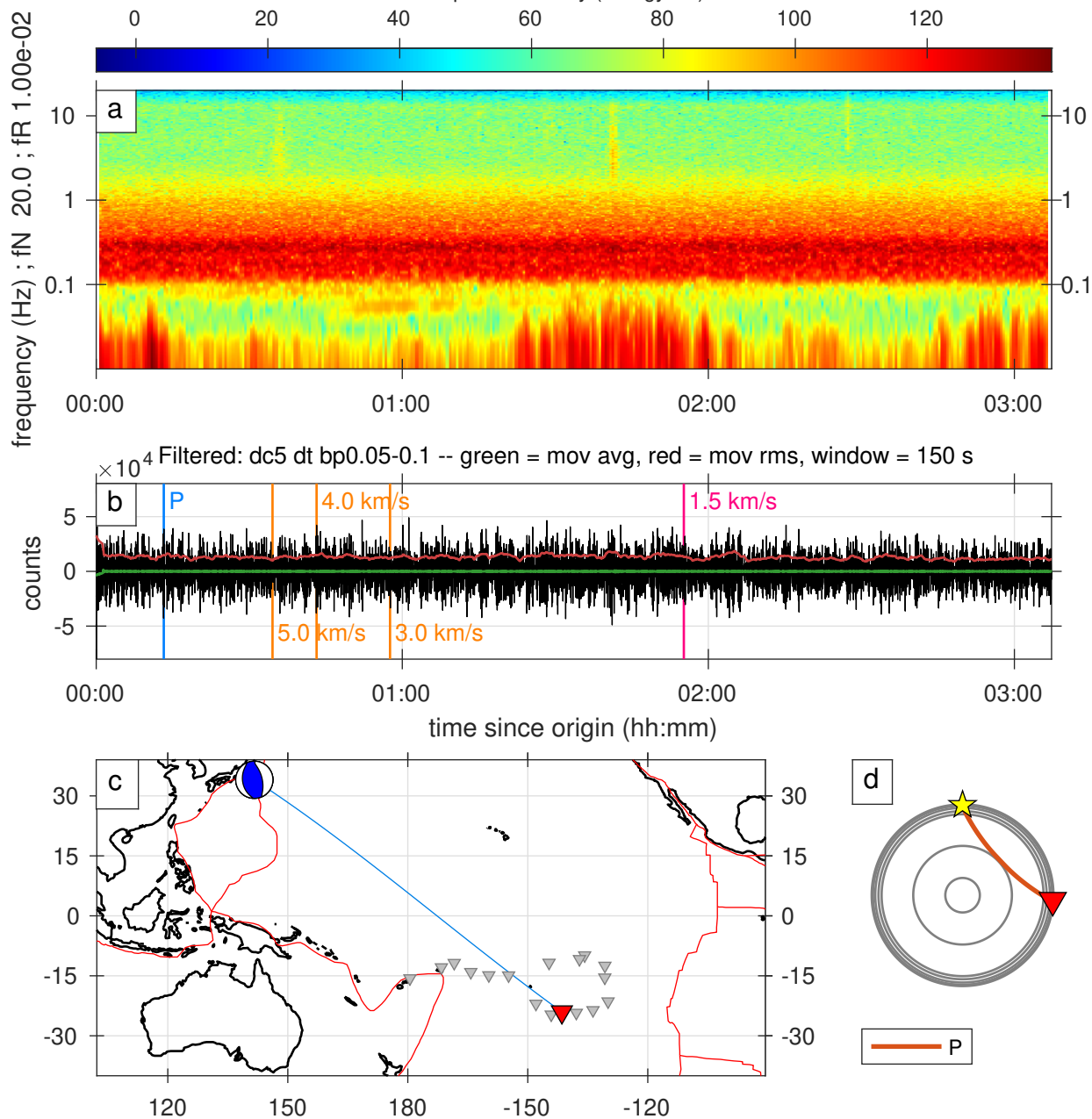


Figure S158. A full record of an earthquake classified as 1star category.

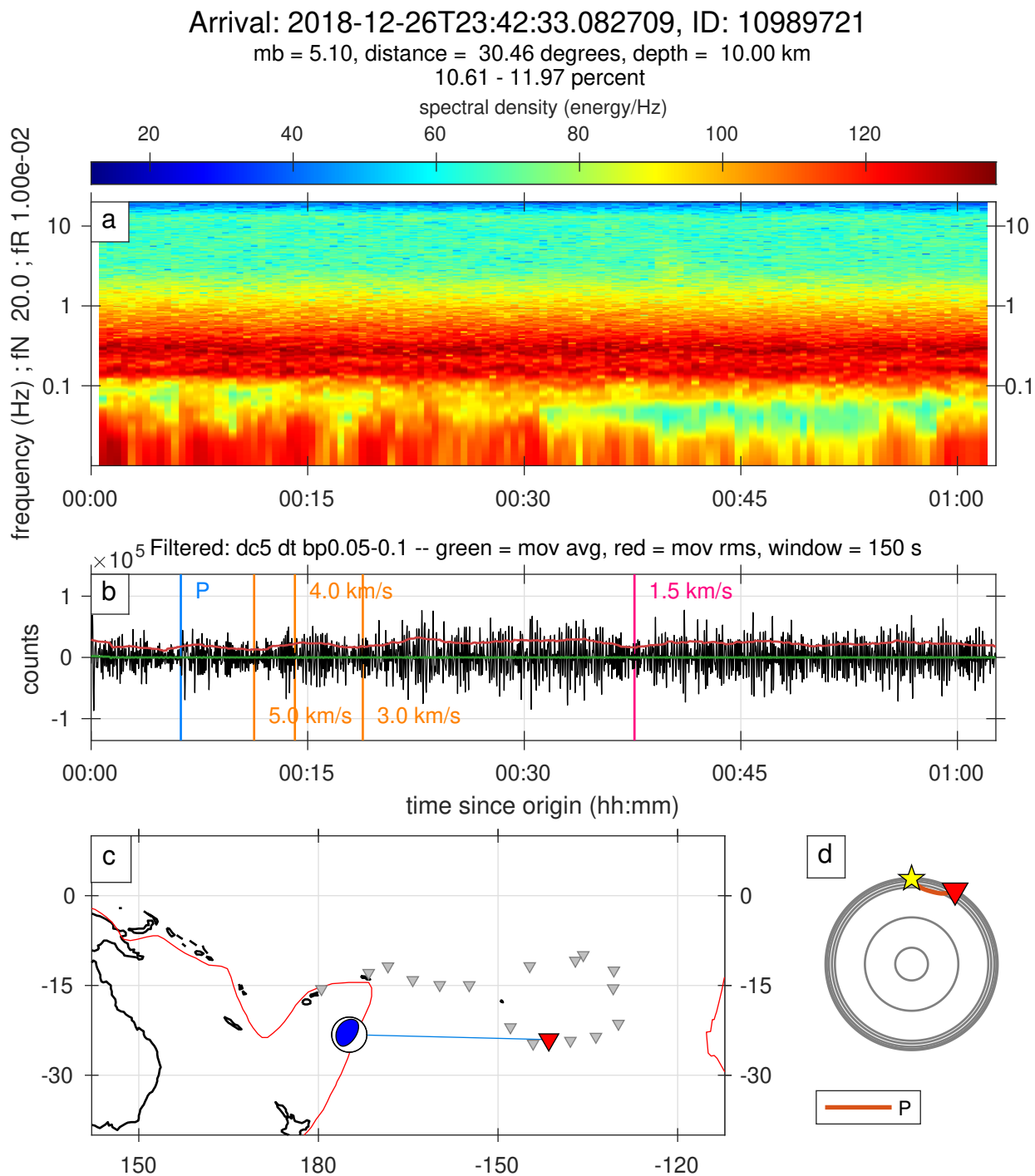


Figure S159. A full record of an earthquake classified as 1star category.

Arrival: 2018-12-27T14:52:29.434833, ID: 10989901

mb = 4.90, distance = 30.44 degrees, depth = 10.00 km

30.45 - 31.81 percent

spectral density (energy/Hz)

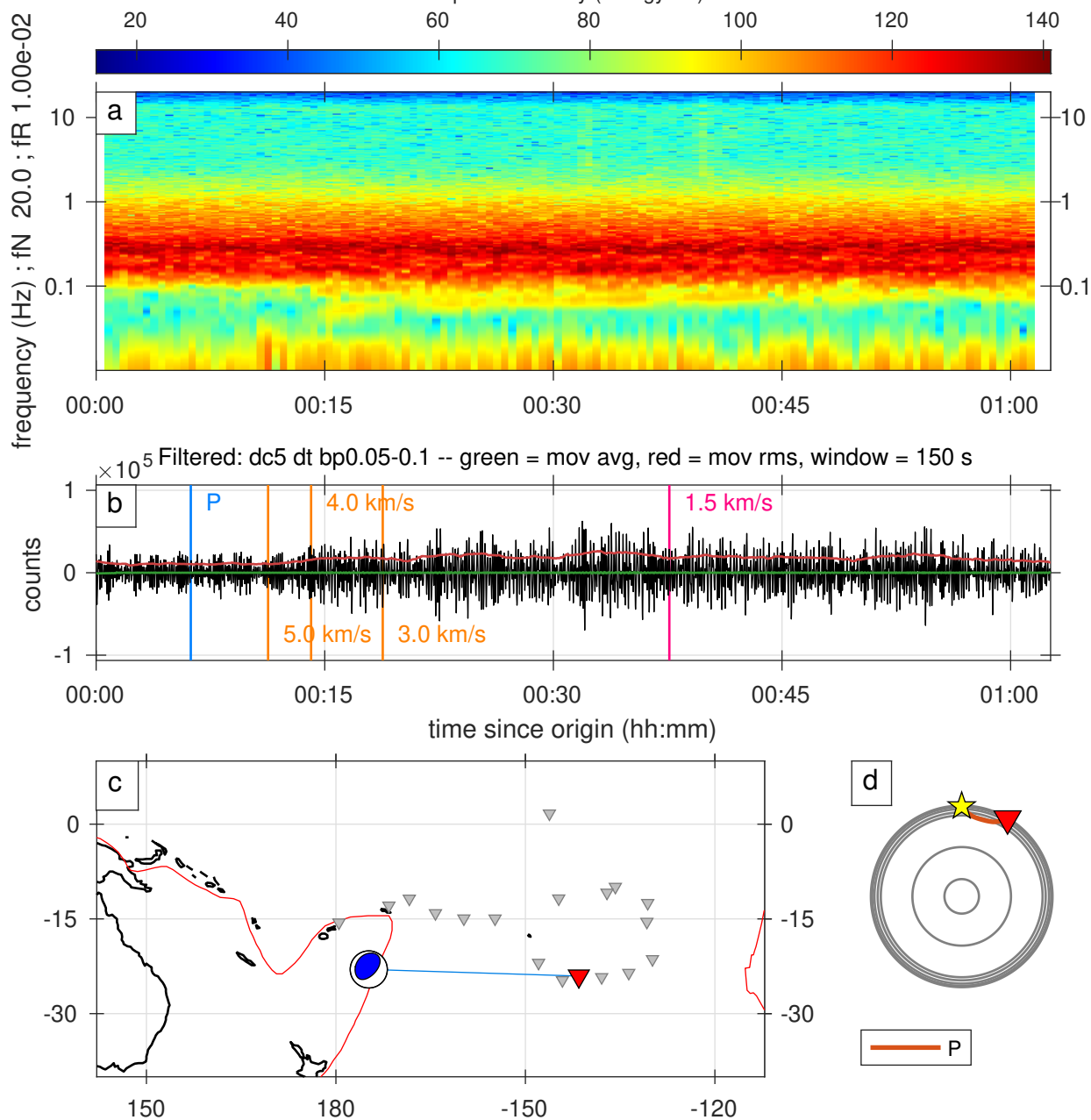


Figure S160. A full record of an earthquake classified as 1star category.

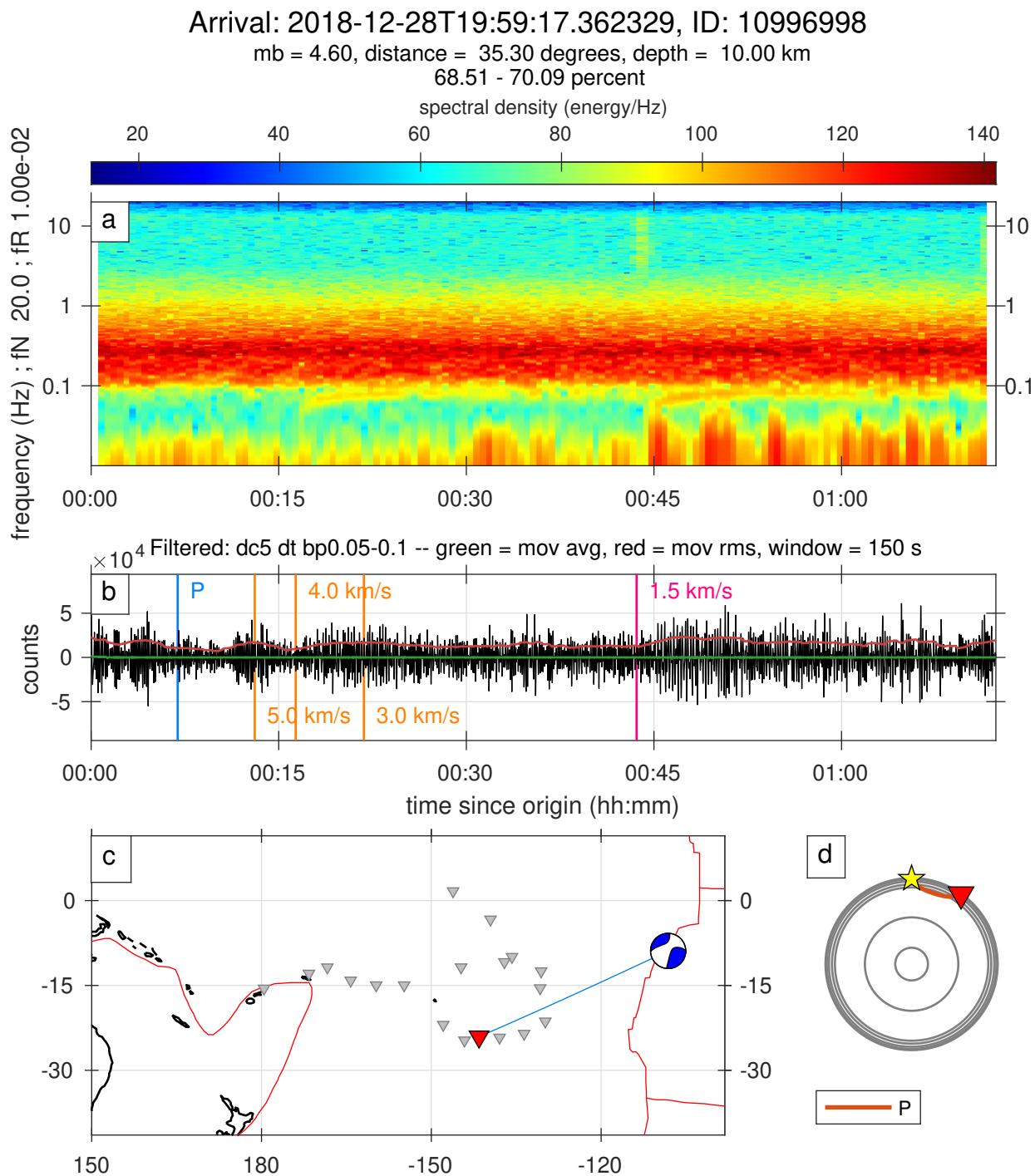


Figure S161. A full record of an earthquake classified as 1star category.

Arrival: 2018-12-28T20:27:04.655526, ID: 10990456

mb = 4.80, distance = 35.00 degrees, depth = 10.00 km

69.12 - 70.68 percent

spectral density (energy/Hz)

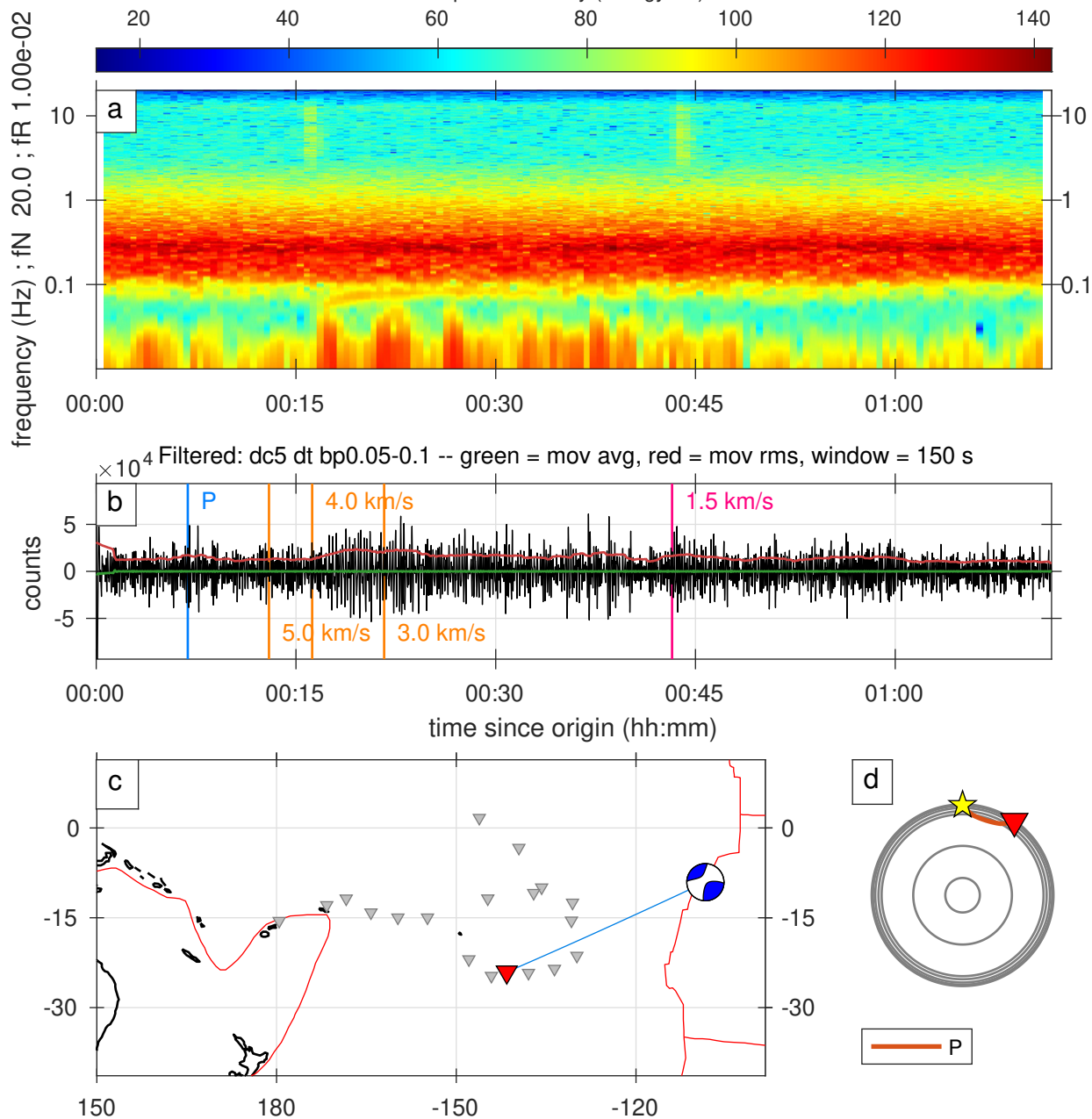


Figure S162. A full record of an earthquake classified as 1star category.

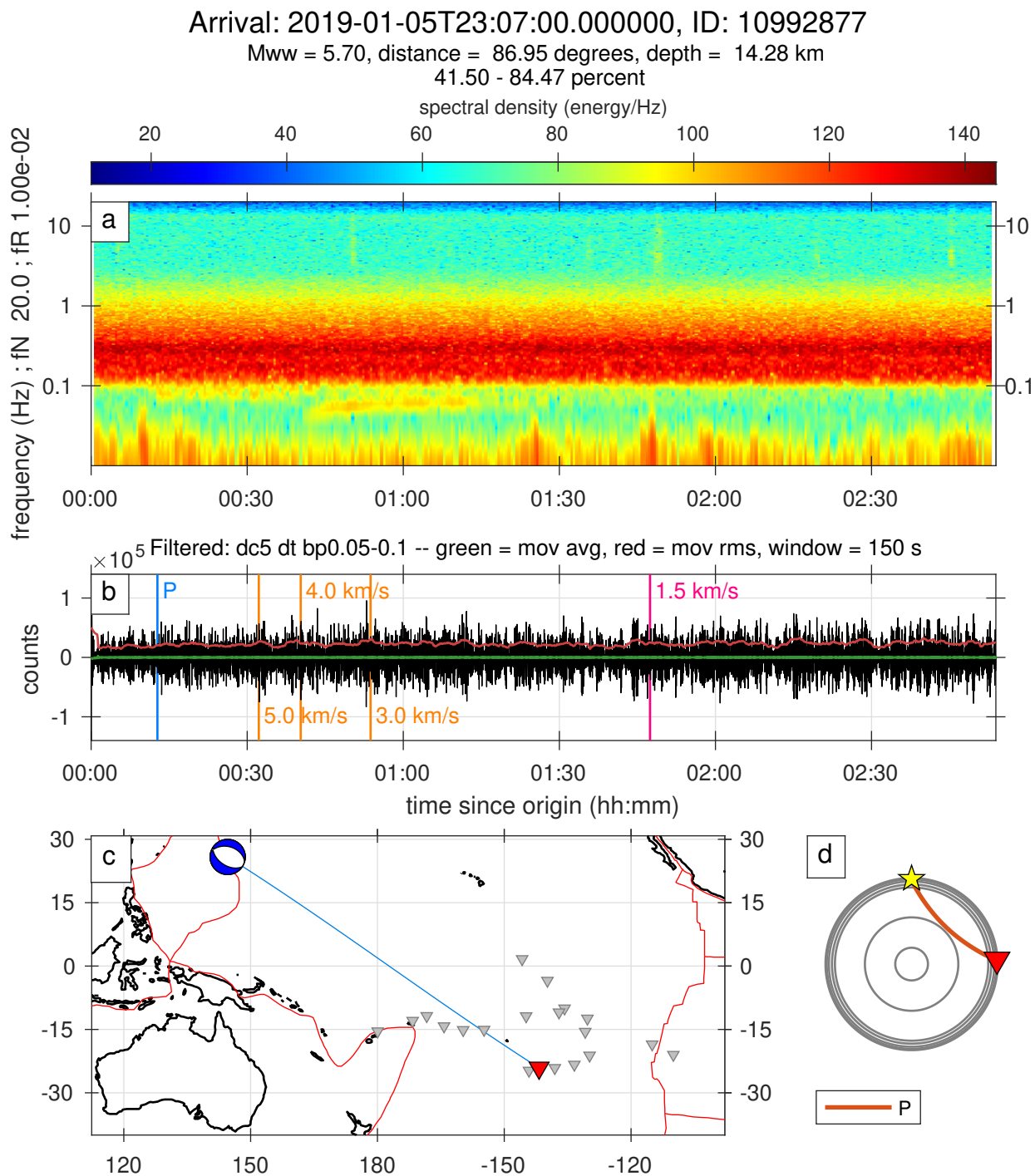


Figure S163. A full record of an earthquake classified as 1star category.

Arrival: 2019-01-17T15:18:00.000000, ID: 10996799

Mww = 6.20, distance = 71.92 degrees, depth = 10.00 km

81.74 - 84.96 percent

spectral density (energy/Hz)

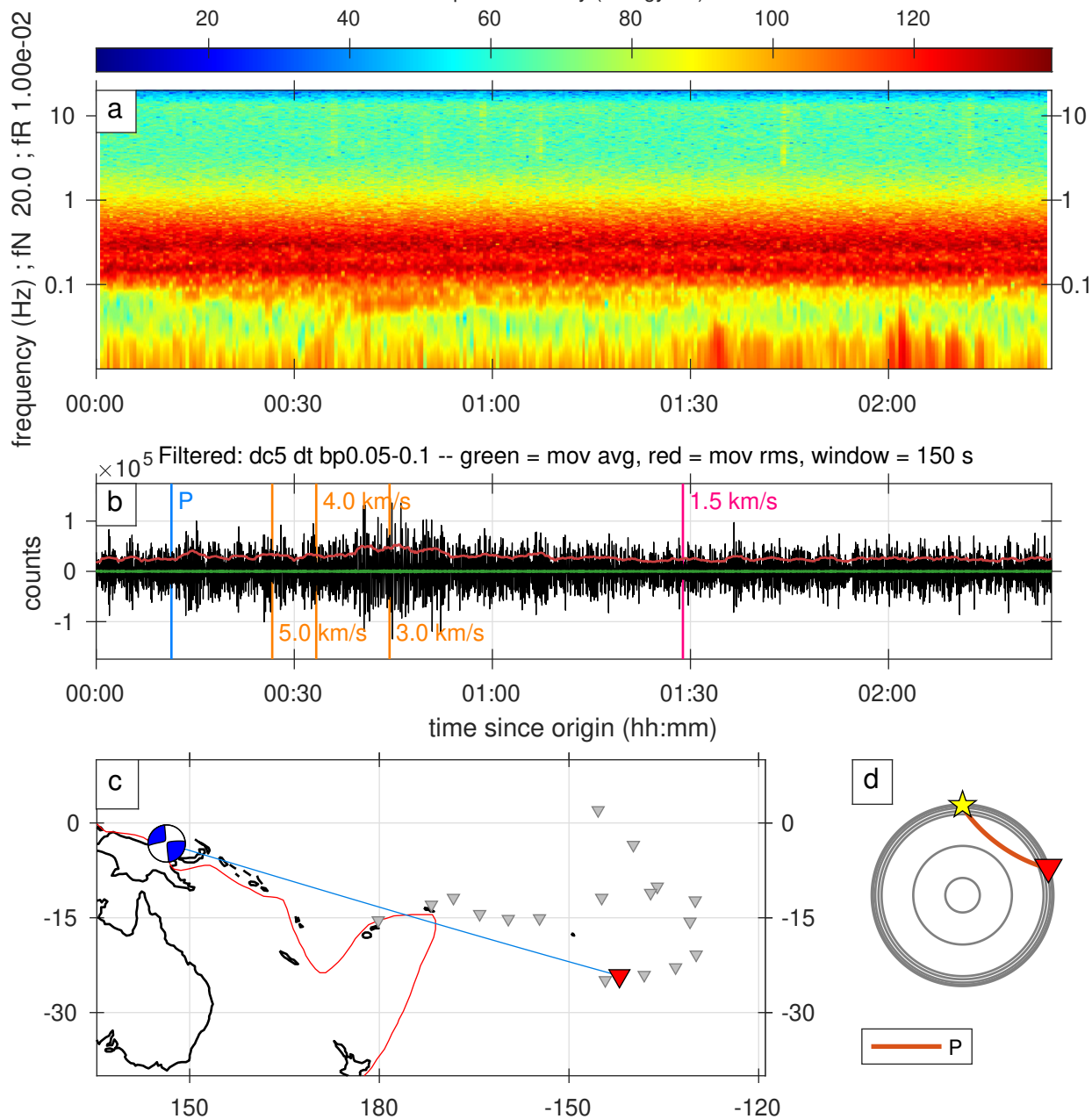


Figure S164. A full record of an earthquake classified as 1star category.

Arrival: 2019-01-25T04:55:00.000000, ID: 10999355

Mww = 5.70, distance = 63.19 degrees, depth = 60.91 km

42.01 - 45.30 percent

spectral density (energy/Hz)

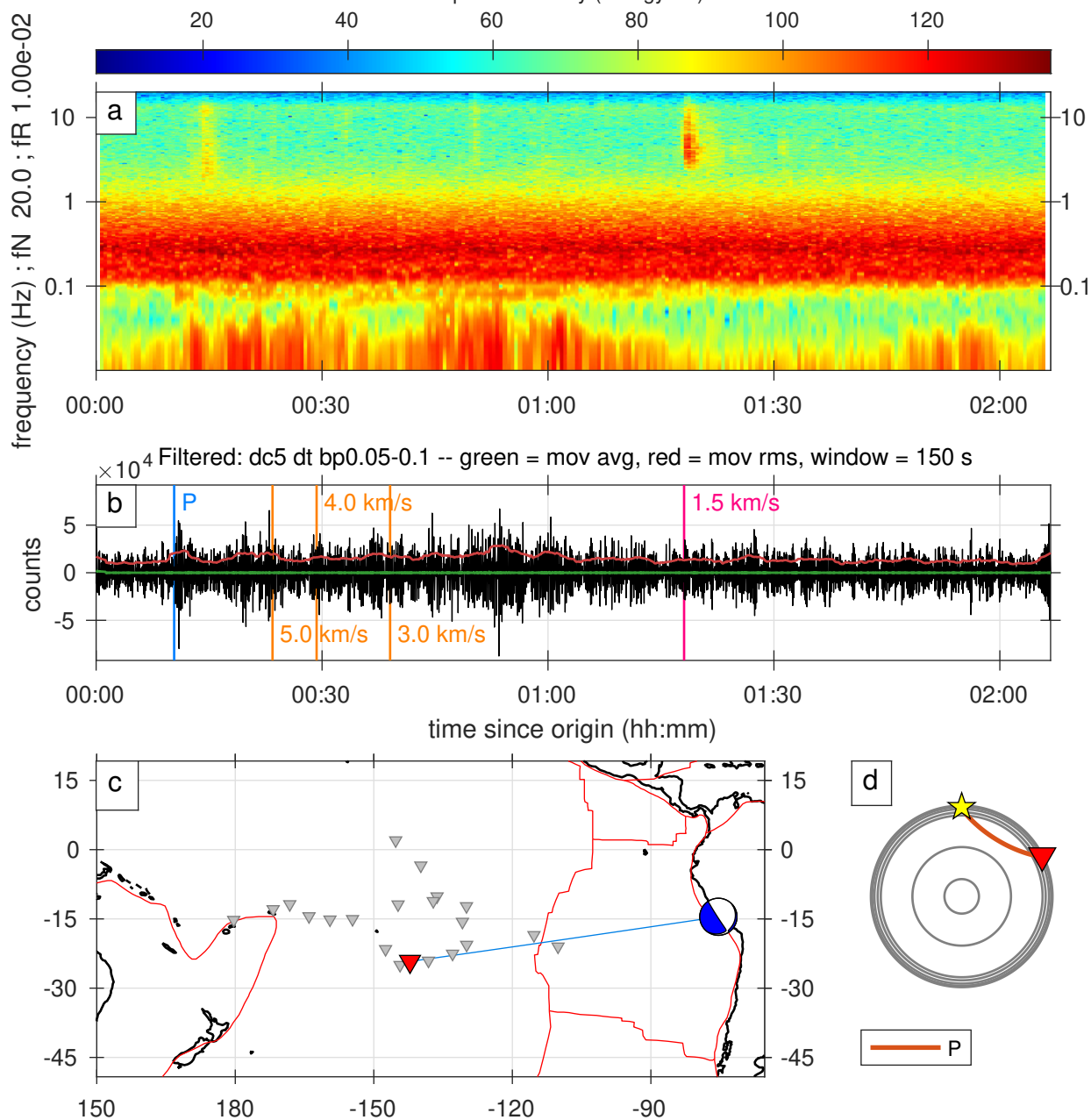


Figure S165. A full record of an earthquake classified as 1star category.

Arrival: 2019-01-26T12:43:38.600565, ID: 10999684

Mww = 5.60, distance = 70.00 degrees, depth = 10.00 km

91.52 - 95.18 percent

spectral density (energy/Hz)

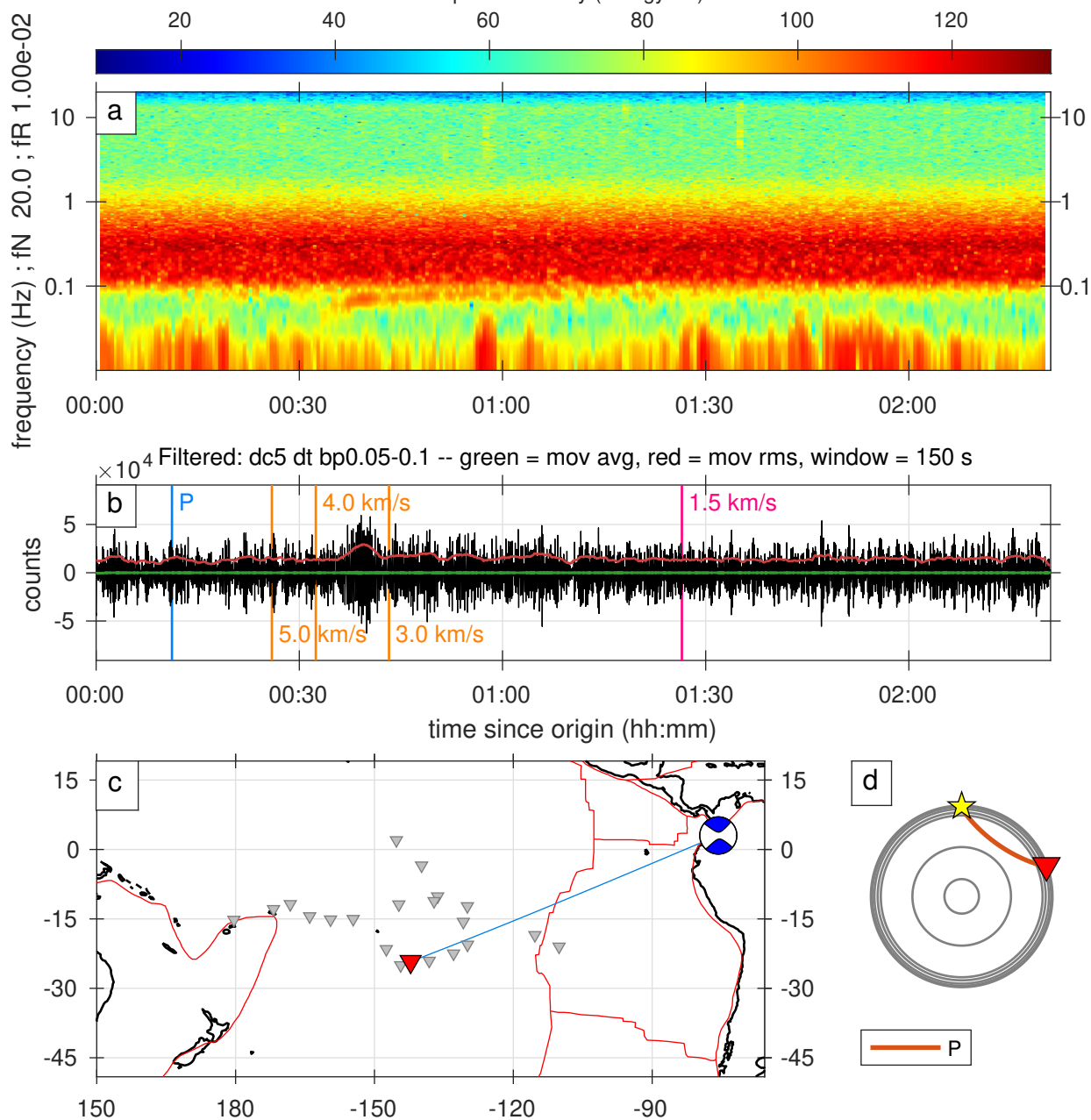


Figure S166. A full record of an earthquake classified as 1star category.

Arrival: 2019-01-30T07:55:00.000000, ID: 11000968

Mww = 5.60, distance = 63.99 degrees, depth = 51.00 km

5.10 - 12.81 percent

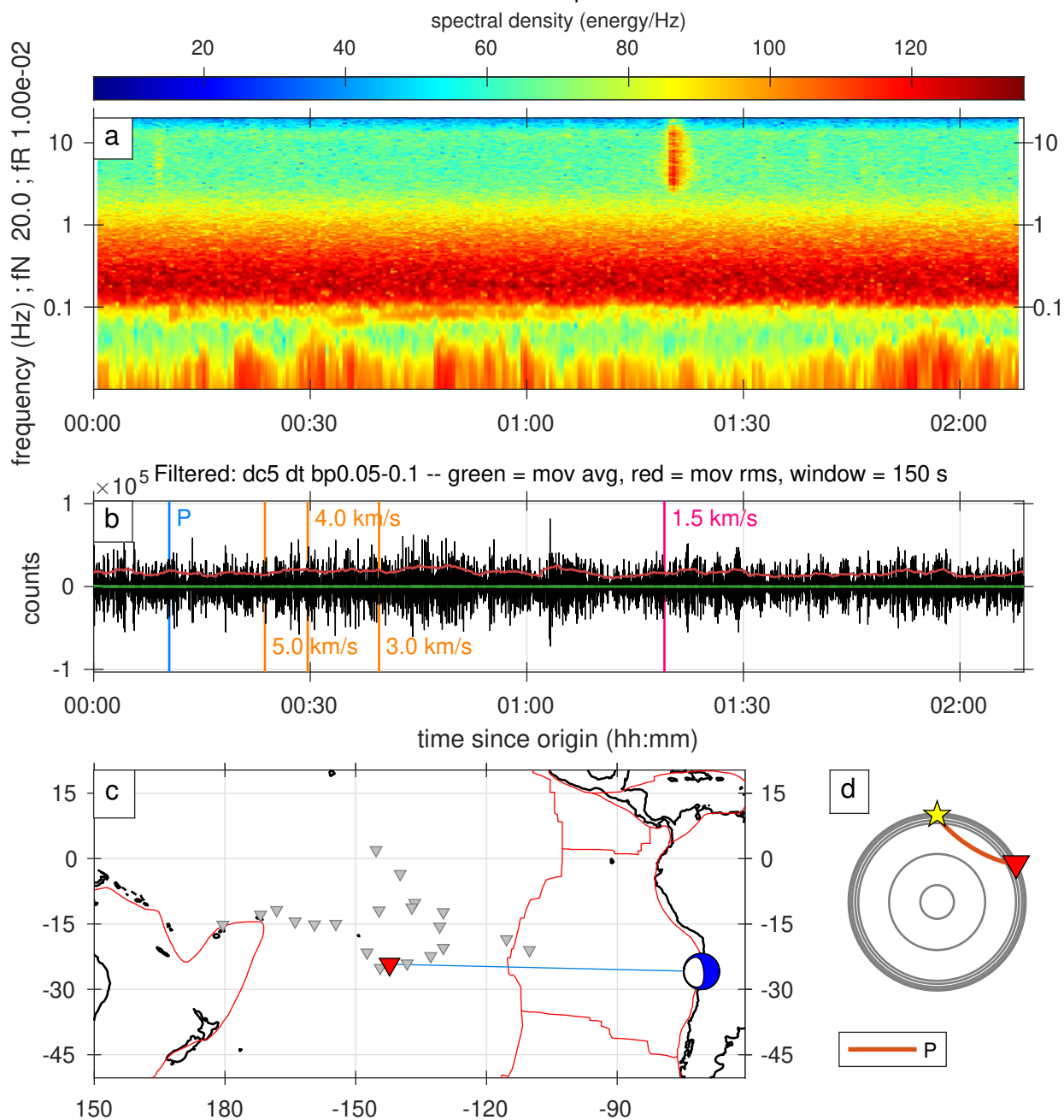


Figure S167. A full record of an earthquake classified as 1star category.

Arrival: 2019-02-08T12:08:00.000000, ID: 11003845

Mww = 5.90, distance = 95.03 degrees, depth = 24.71 km

20.54 - 23.06 percent

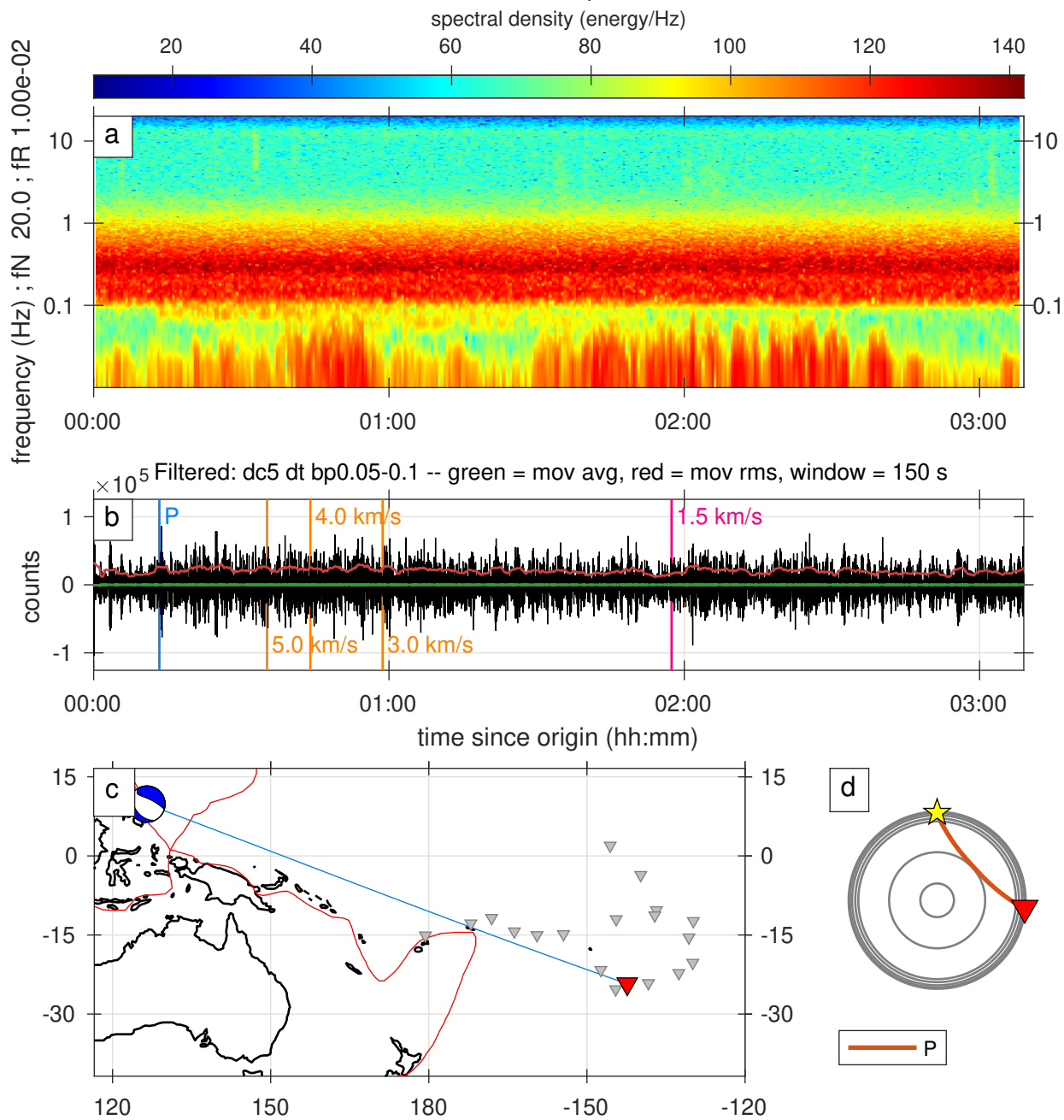


Figure S168. A full record of an earthquake classified as 1star category.

Arrival: 2019-02-15T12:53:43.791266, ID: 11005855

mb = 4.70, distance = 30.90 degrees, depth = 10.00 km

26.10 - 26.69 percent

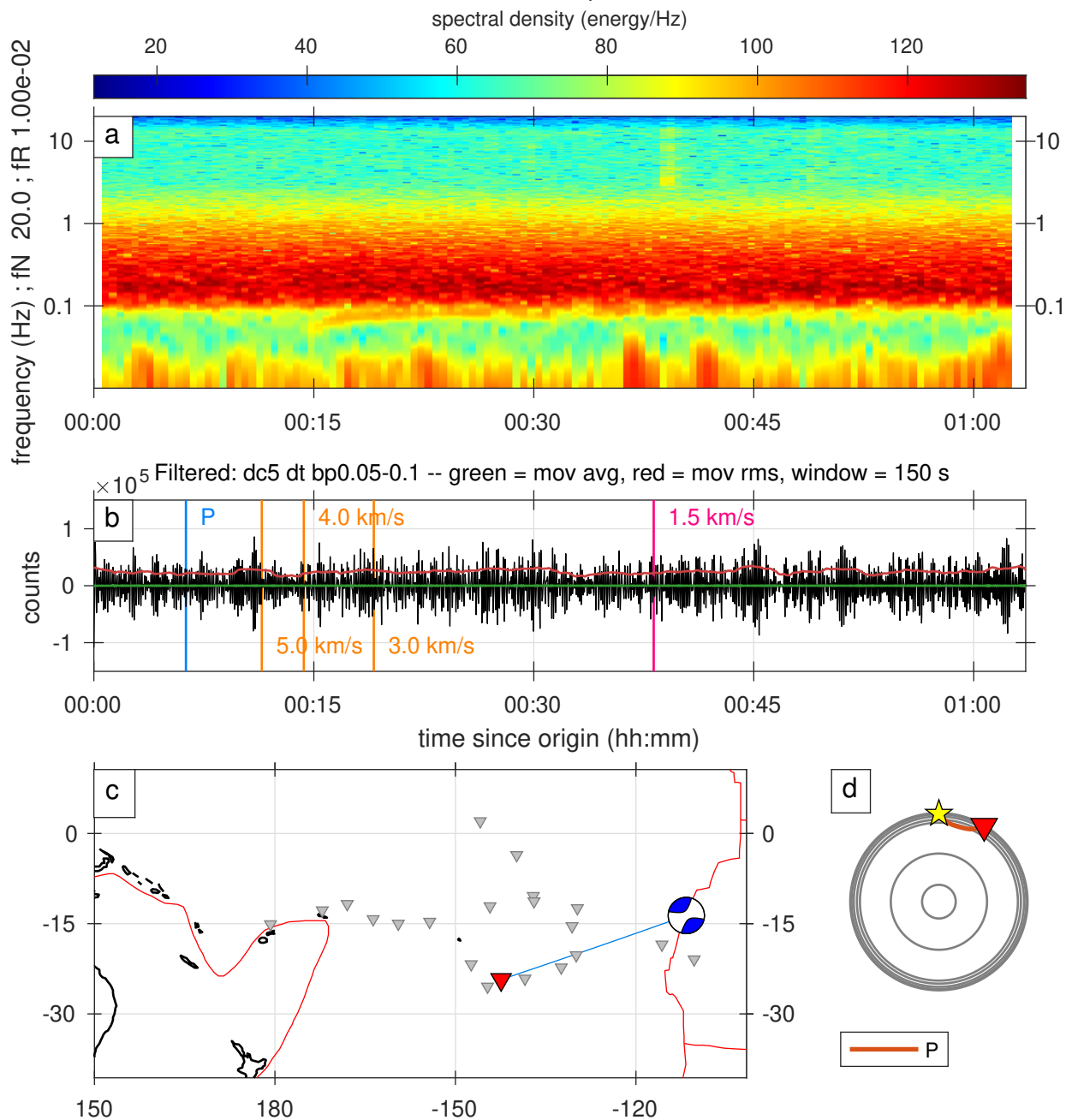


Figure S169. A full record of an earthquake classified as 1star category.

Arrival: 2019-02-16T00:00:00.000000, ID: 11006952

Mww = 5.60, distance = 33.94 degrees, depth = 10.00 km

32.25 - 32.91 percent

spectral density (energy/Hz)

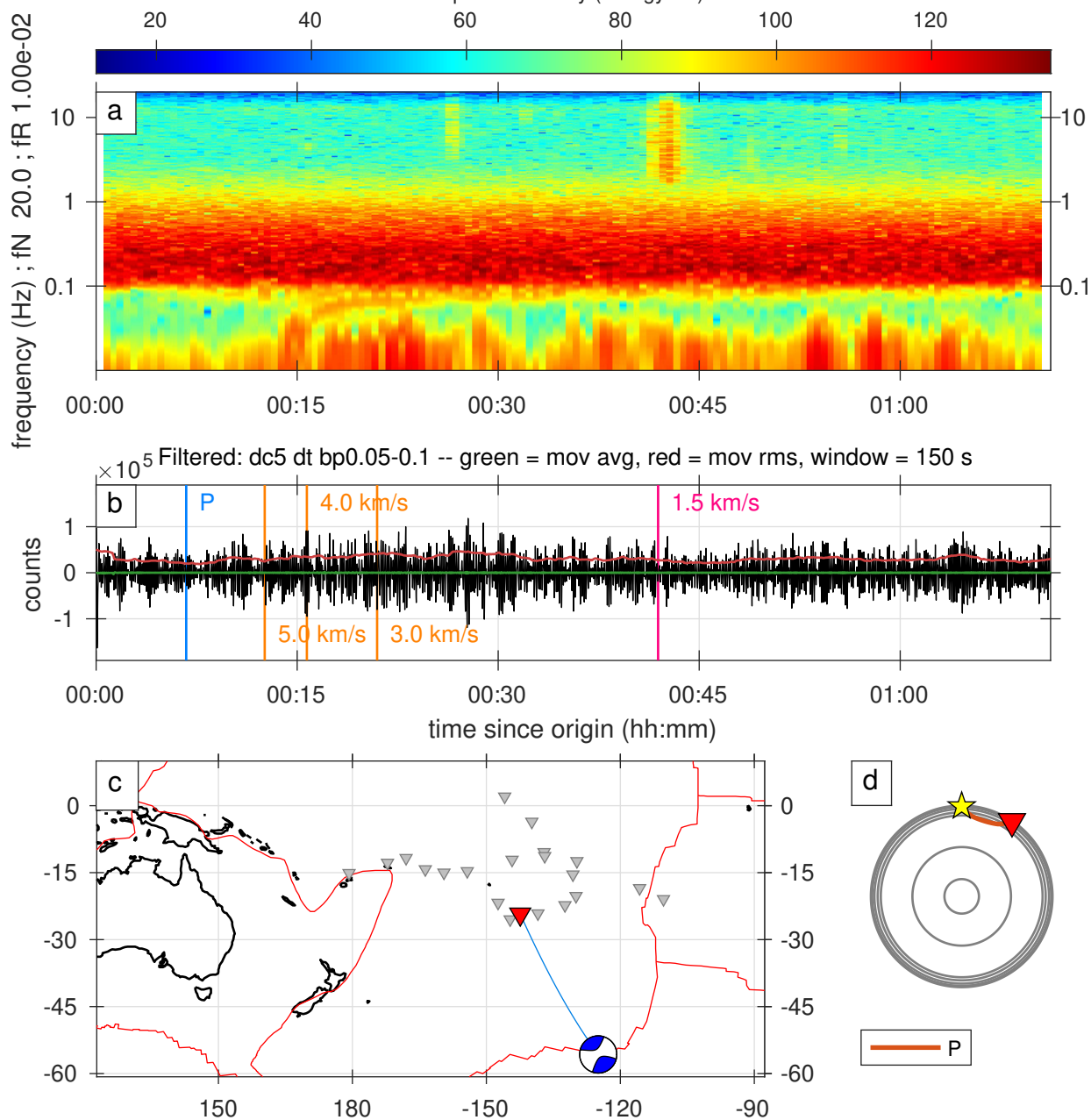


Figure S170. A full record of an earthquake classified as 1star category.

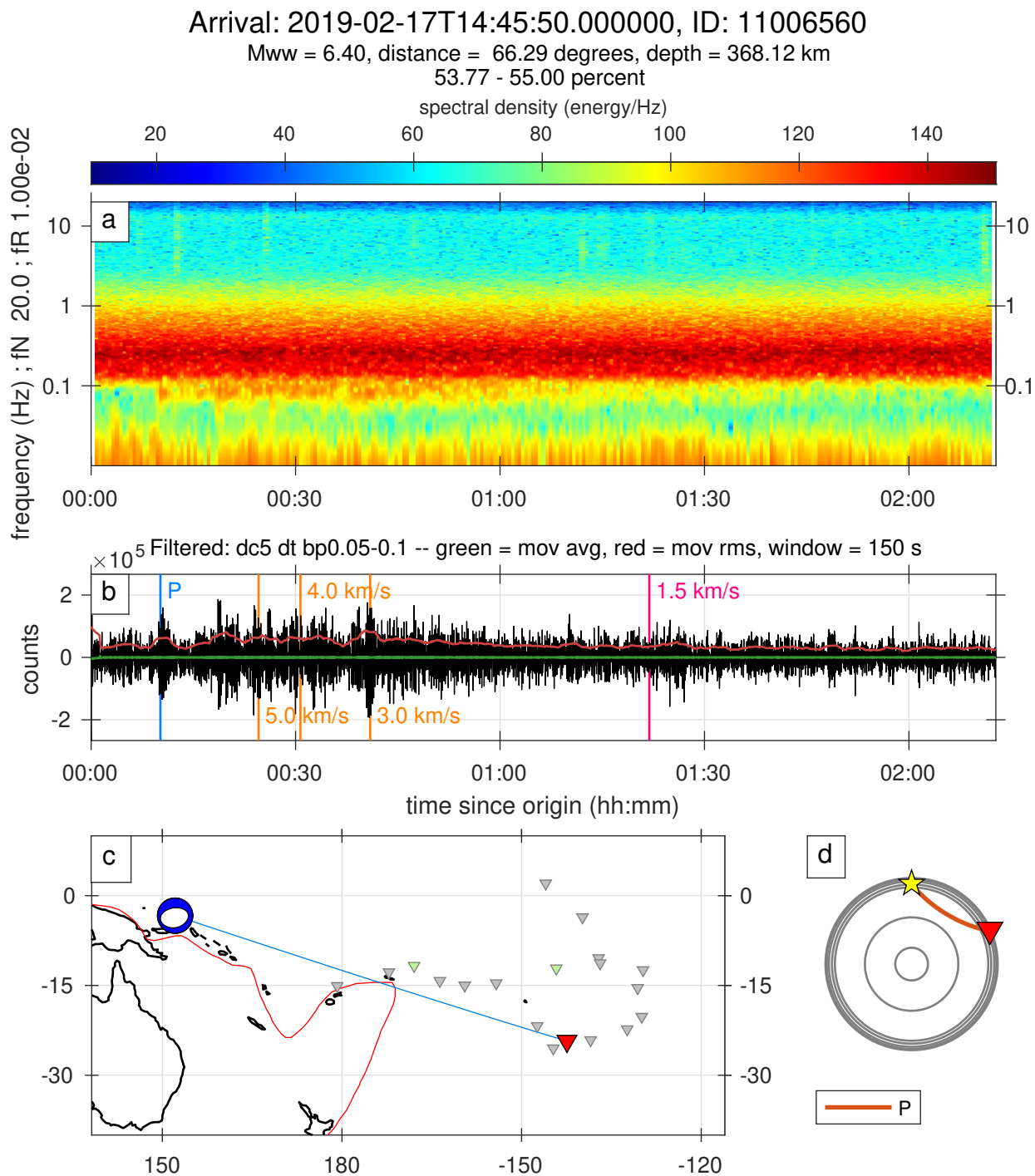


Figure S171. A full record of an earthquake classified as 1star category.

Arrival: 2019-03-06T07:28:22.218185, ID: 11011831

Mww = 5.60, distance = 40.25 degrees, depth = 10.00 km

81.14 - 82.40 percent

spectral density (energy/Hz)

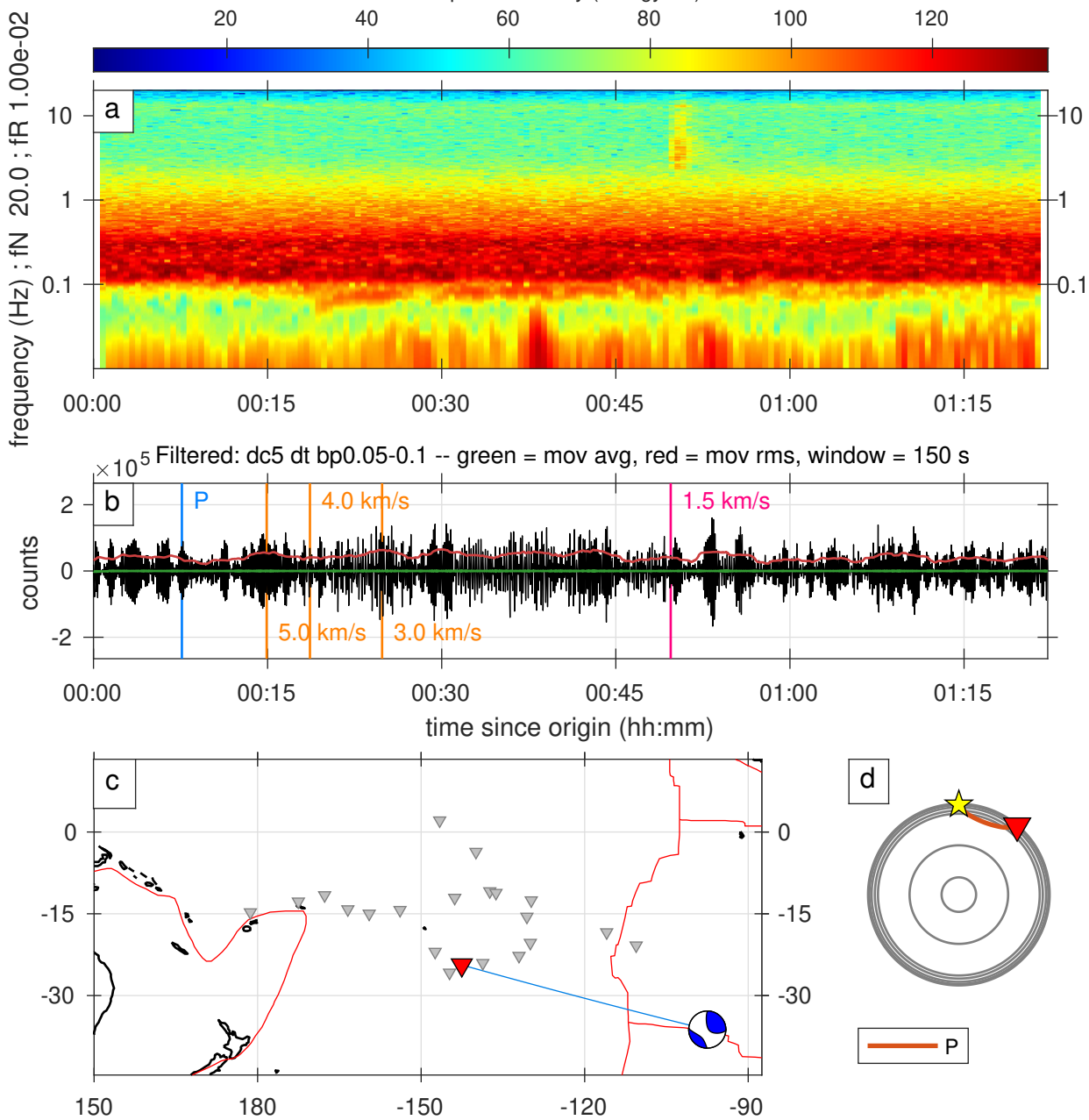


Figure S172. A full record of an earthquake classified as 1star category.

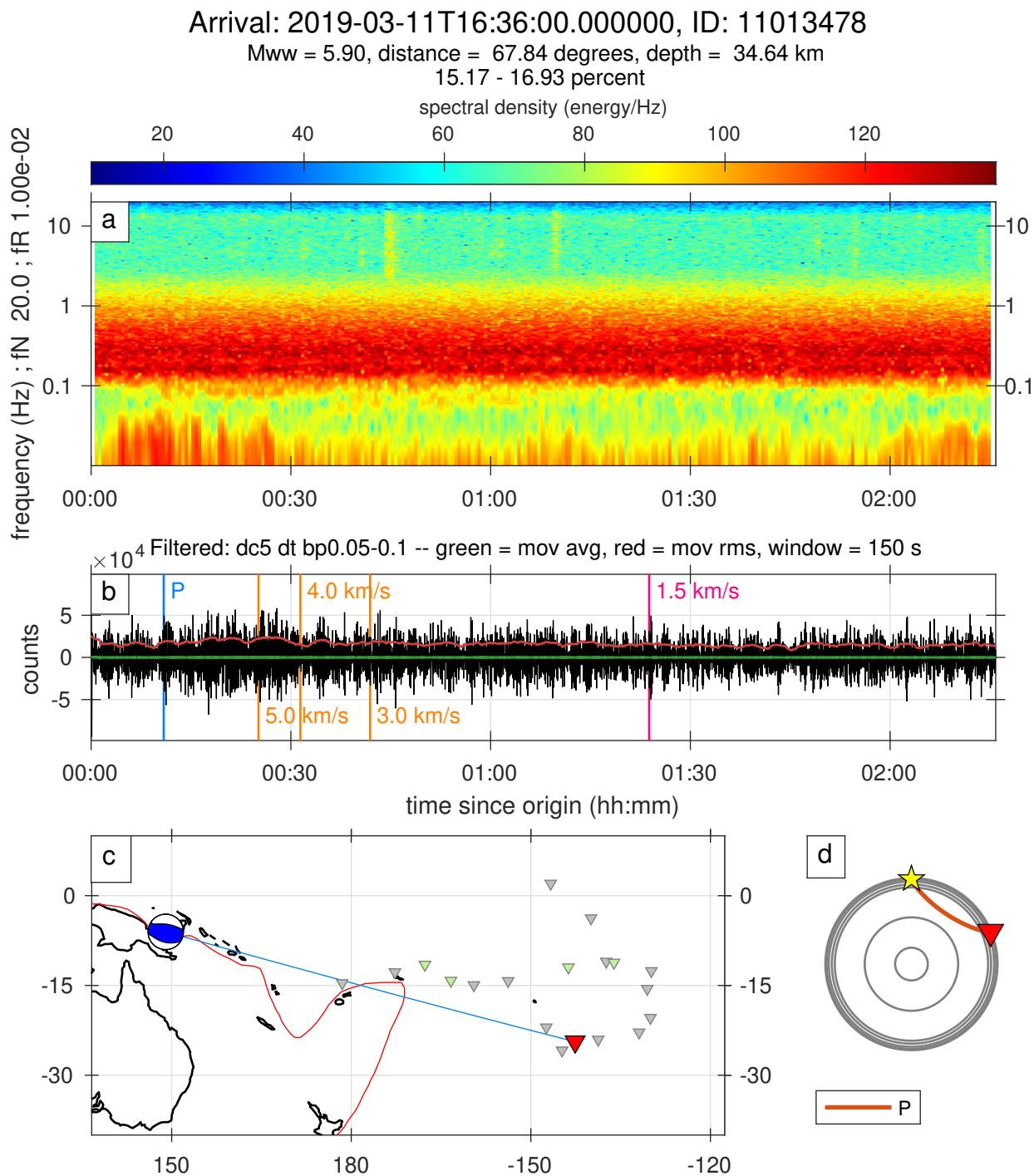


Figure S173. A full record of an earthquake classified as 1star category.

Arrival: 2019-03-15T05:15:00.000000, ID: 11014923

Mww = 6.30, distance = 71.00 degrees, depth = 359.00 km

81.08 - 82.94 percent

spectral density (energy/Hz)

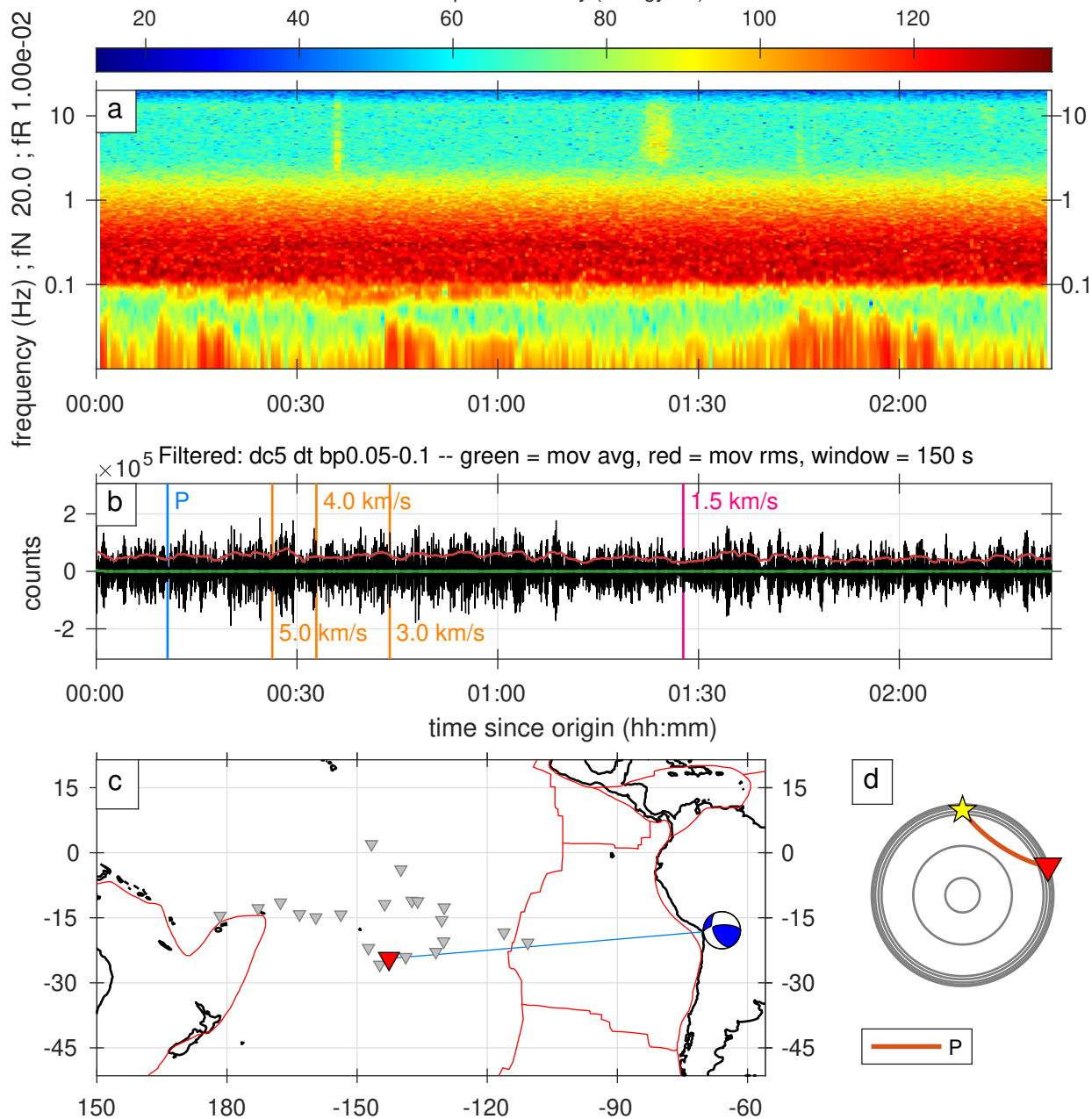
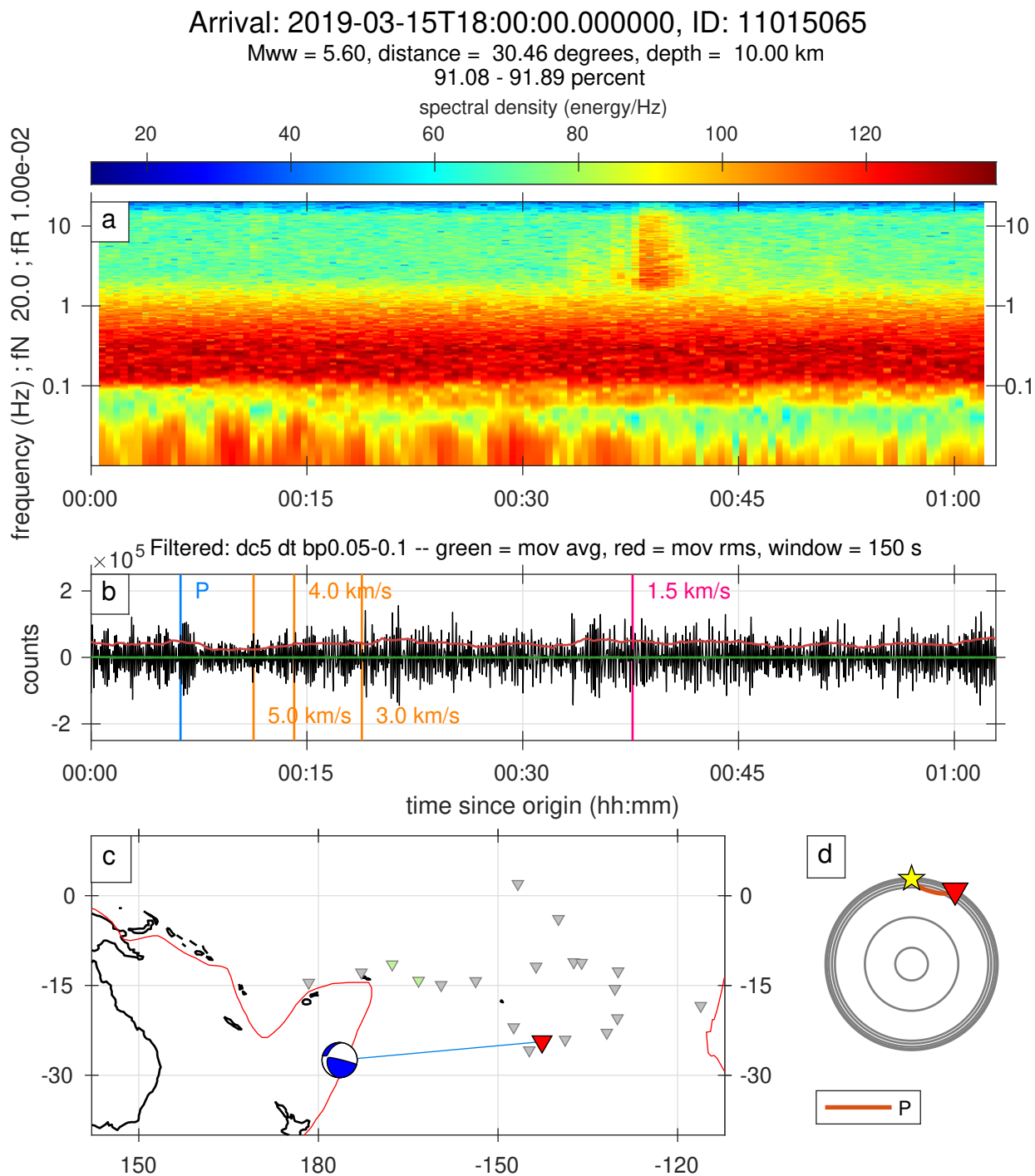


Figure S174. A full record of an earthquake classified as 1star category.



Arrival: 2019-03-20T19:09:30.000000, ID: 11016738

Mww = 5.30, distance = 28.53 degrees, depth = 10.00 km

74.72 - 76.66 percent

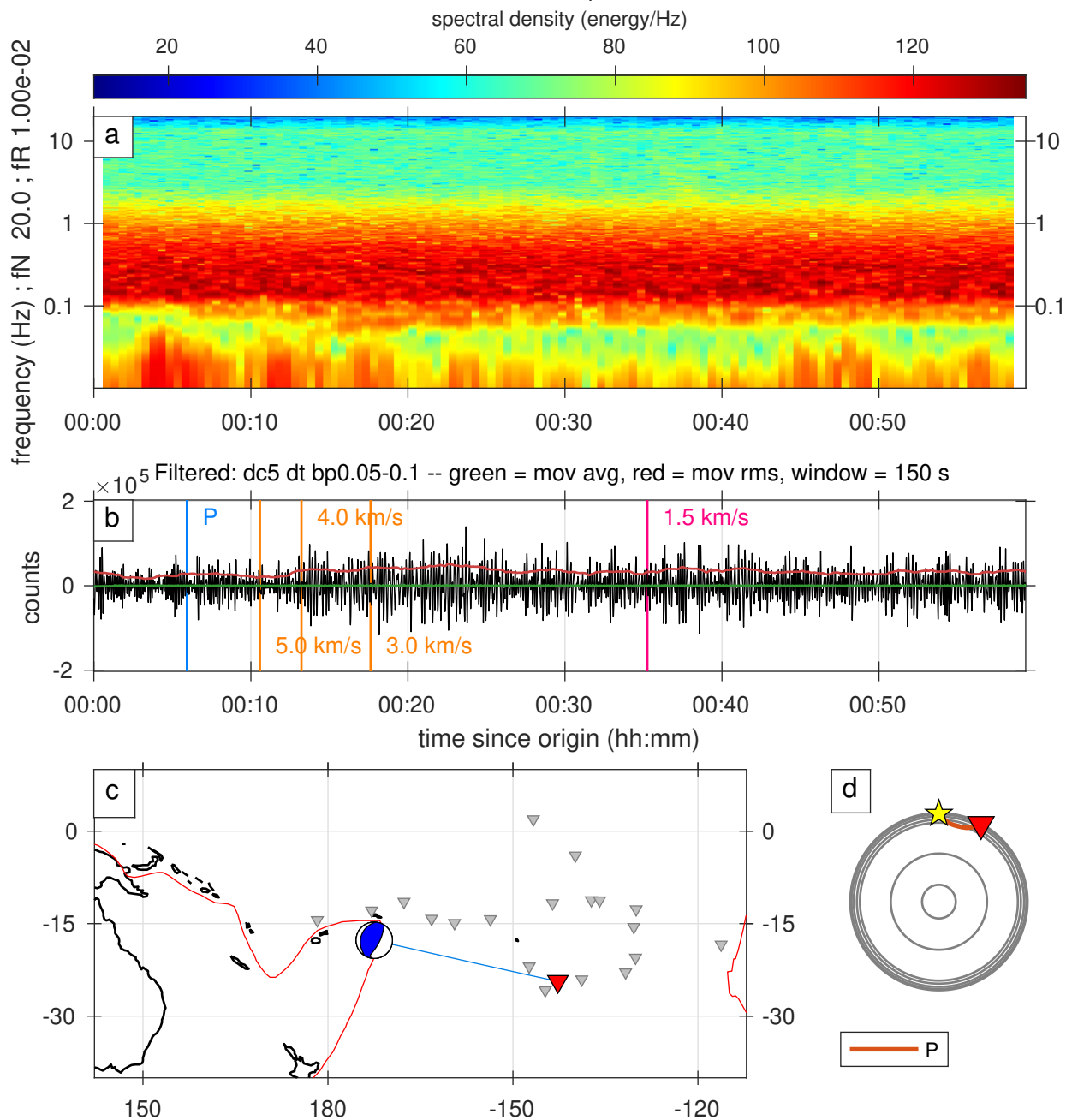


Figure S176. A full record of an earthquake classified as 1star category.

Arrival: 2019-03-23T07:55:00.000000, ID: 11017711

Mww = 5.00, distance = 31.68 degrees, depth = 10.00 km

55.56 - 56.86 percent

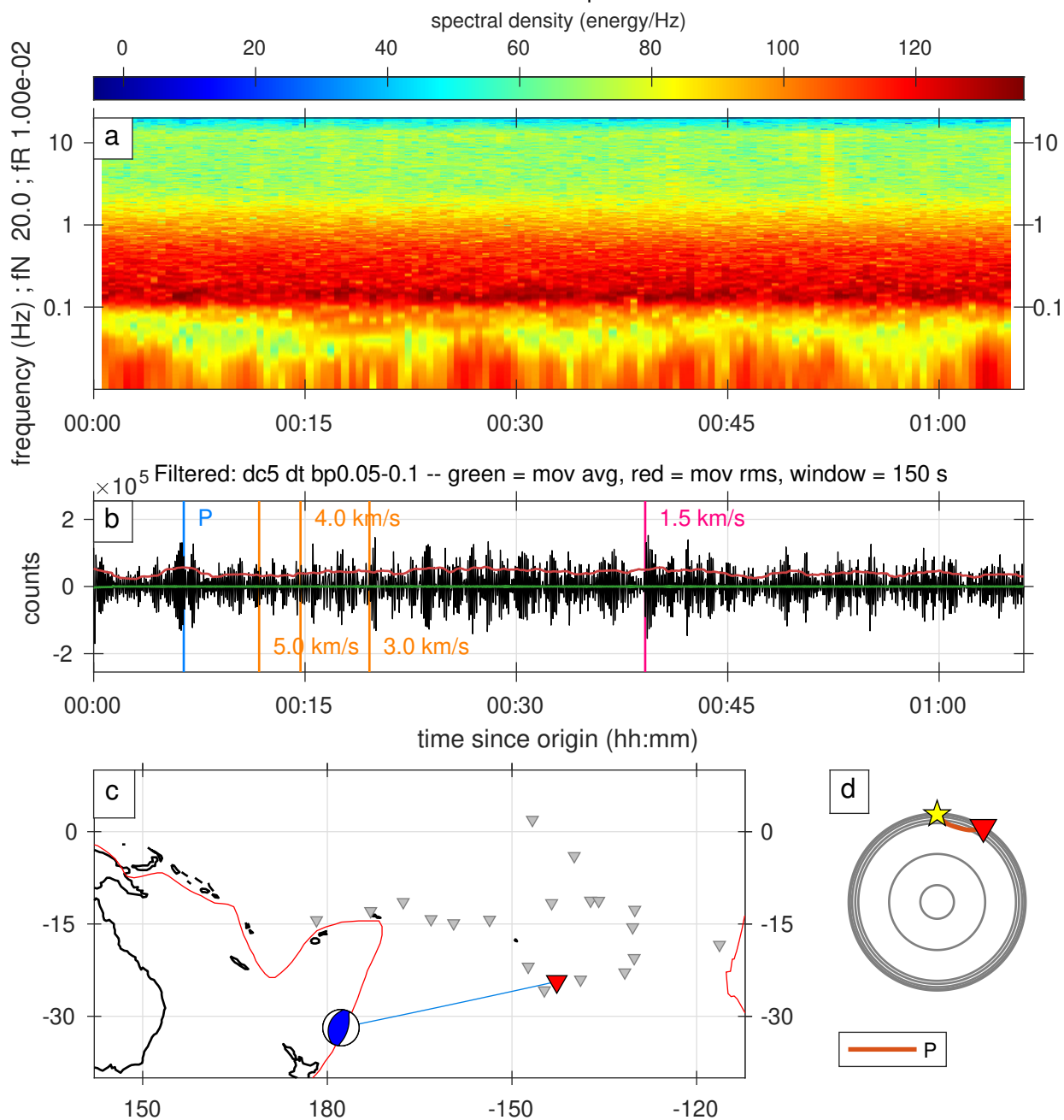


Figure S177. A full record of an earthquake classified as 1star category.

Arrival: 2019-03-23T19:32:00.000000, ID: 11017822

Mww = 6.10, distance = 70.77 degrees, depth = 122.00 km

69.15 - 71.92 percent

spectral density (energy/Hz)

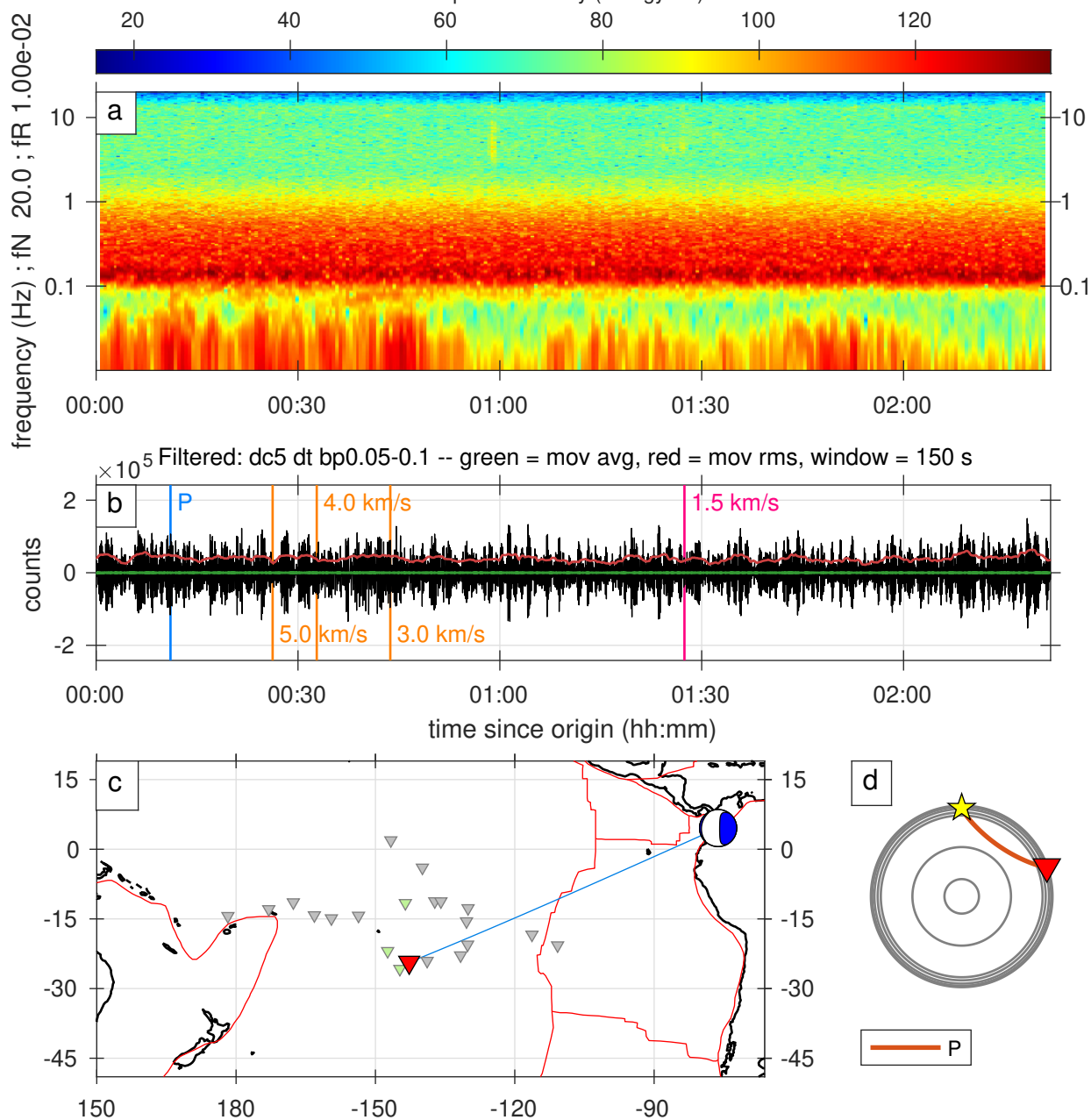


Figure S178. A full record of an earthquake classified as 1star category.

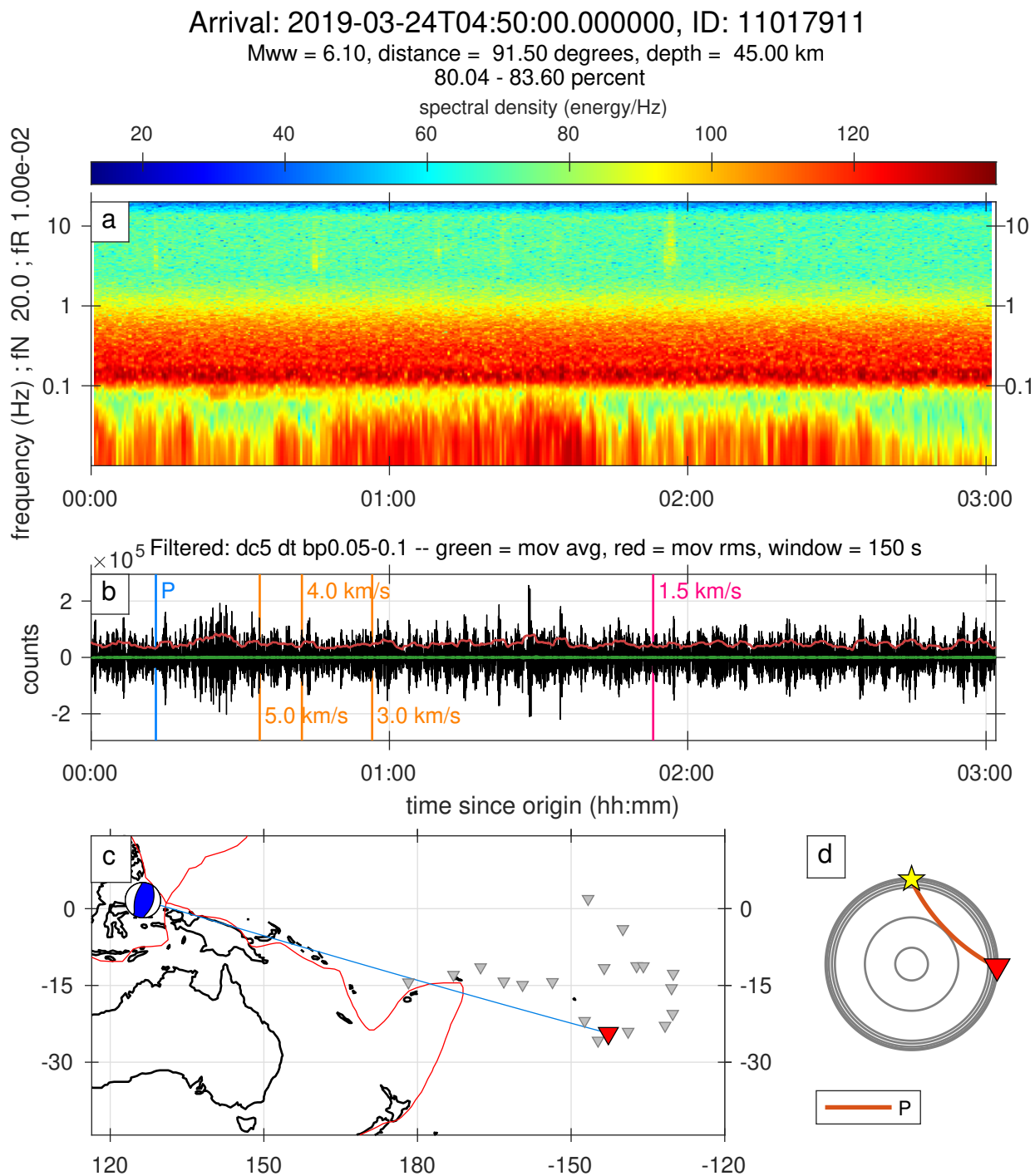


Figure S179. A full record of an earthquake classified as 1star category.

Arrival: 2019-03-31T15:38:13.945150, ID: 11020776

Mww = 5.50, distance = 61.80 degrees, depth = 29.00 km

81.31 - 87.58 percent

spectral density (energy/Hz)

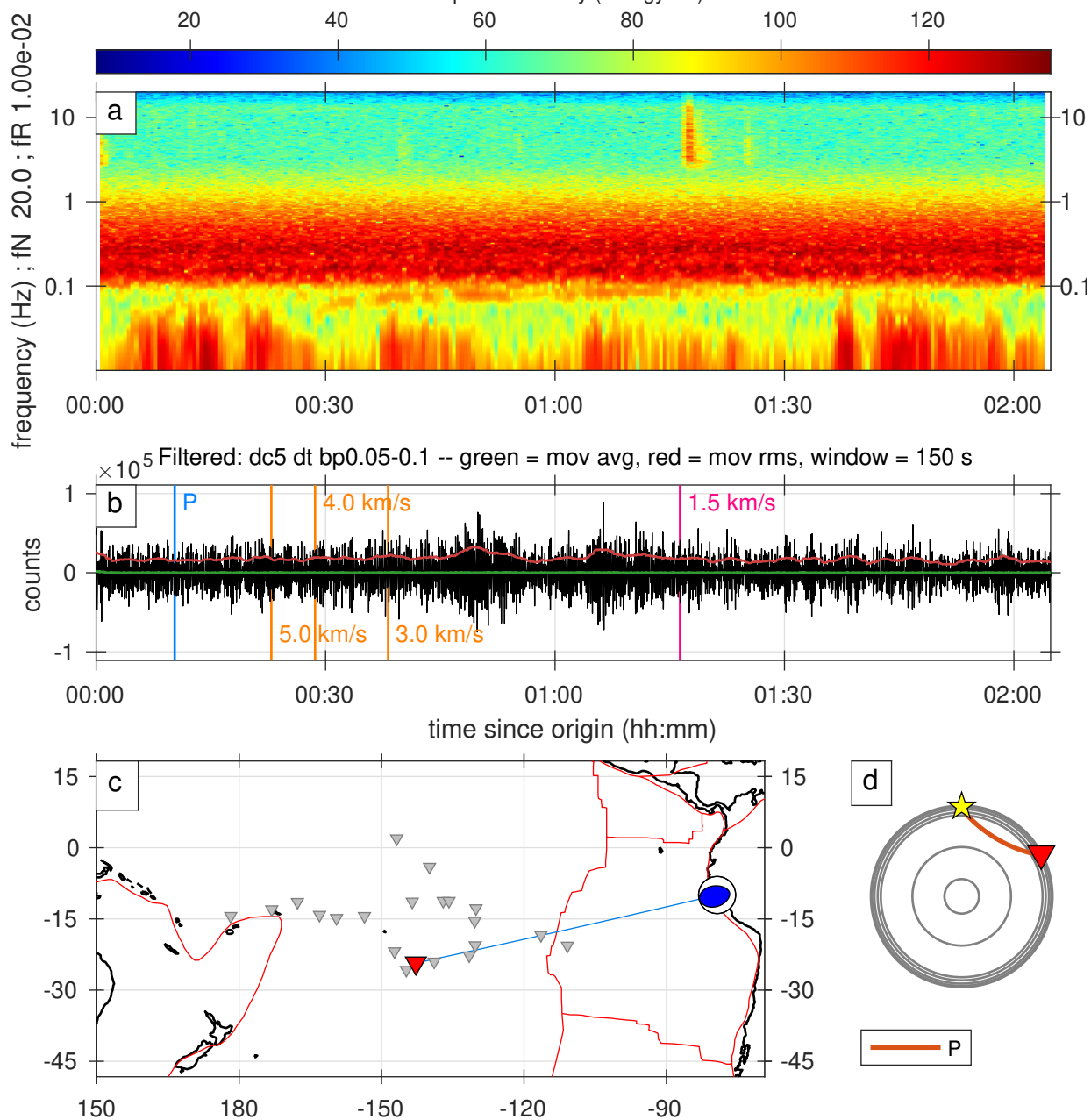


Figure S180. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-05T16:27:00.000000, ID: 11022772

mww = 6.40, distance = 82.80 degrees, depth = 58.60 km

14.48 - 17.30 percent

spectral density (energy/Hz)

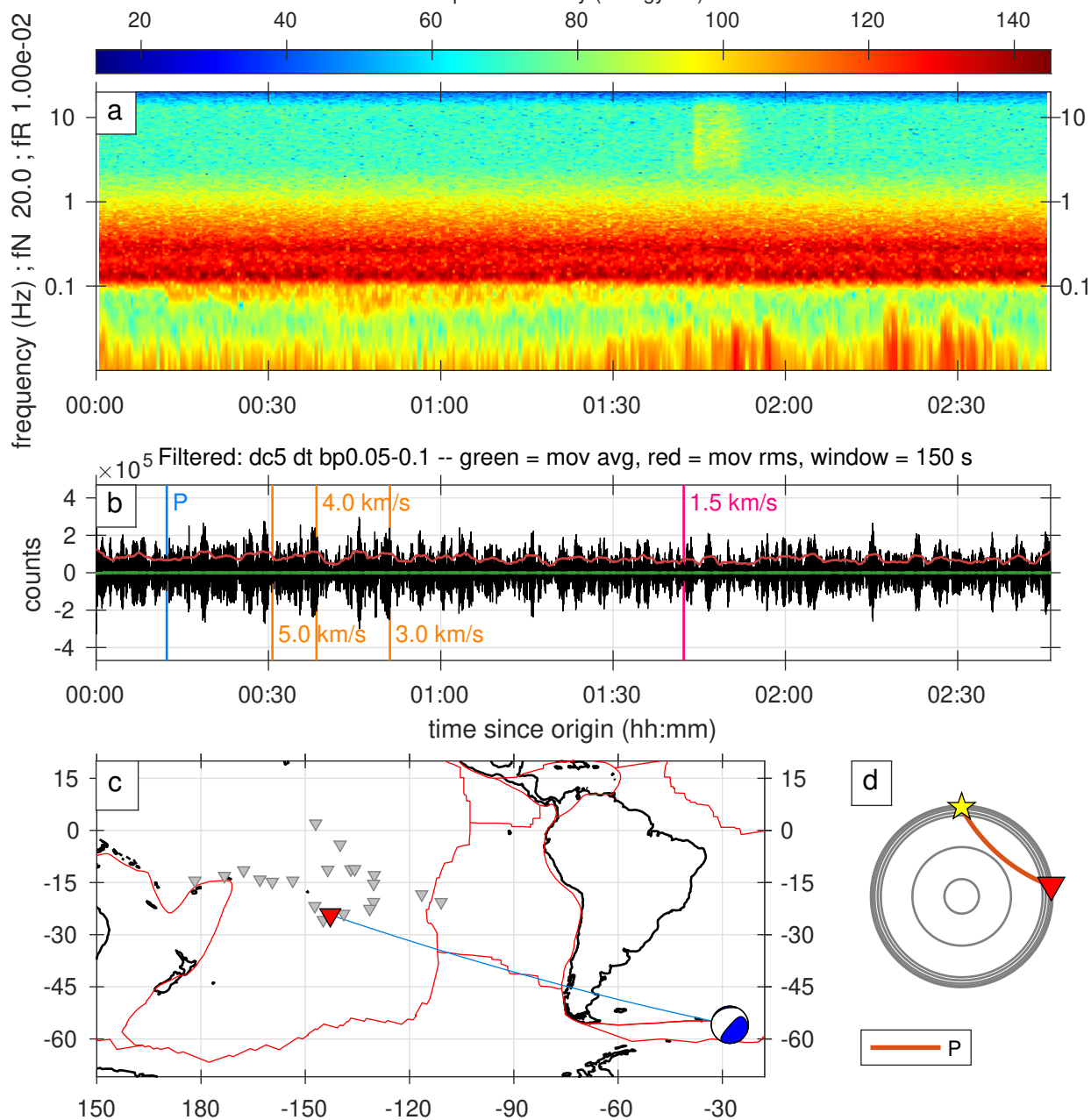


Figure S181. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-08T22:36:12.501204, ID: 11023834

mb = 5.00, distance = 64.01 degrees, depth = 35.00 km

94.03 - 96.22 percent

spectral density (energy/Hz)

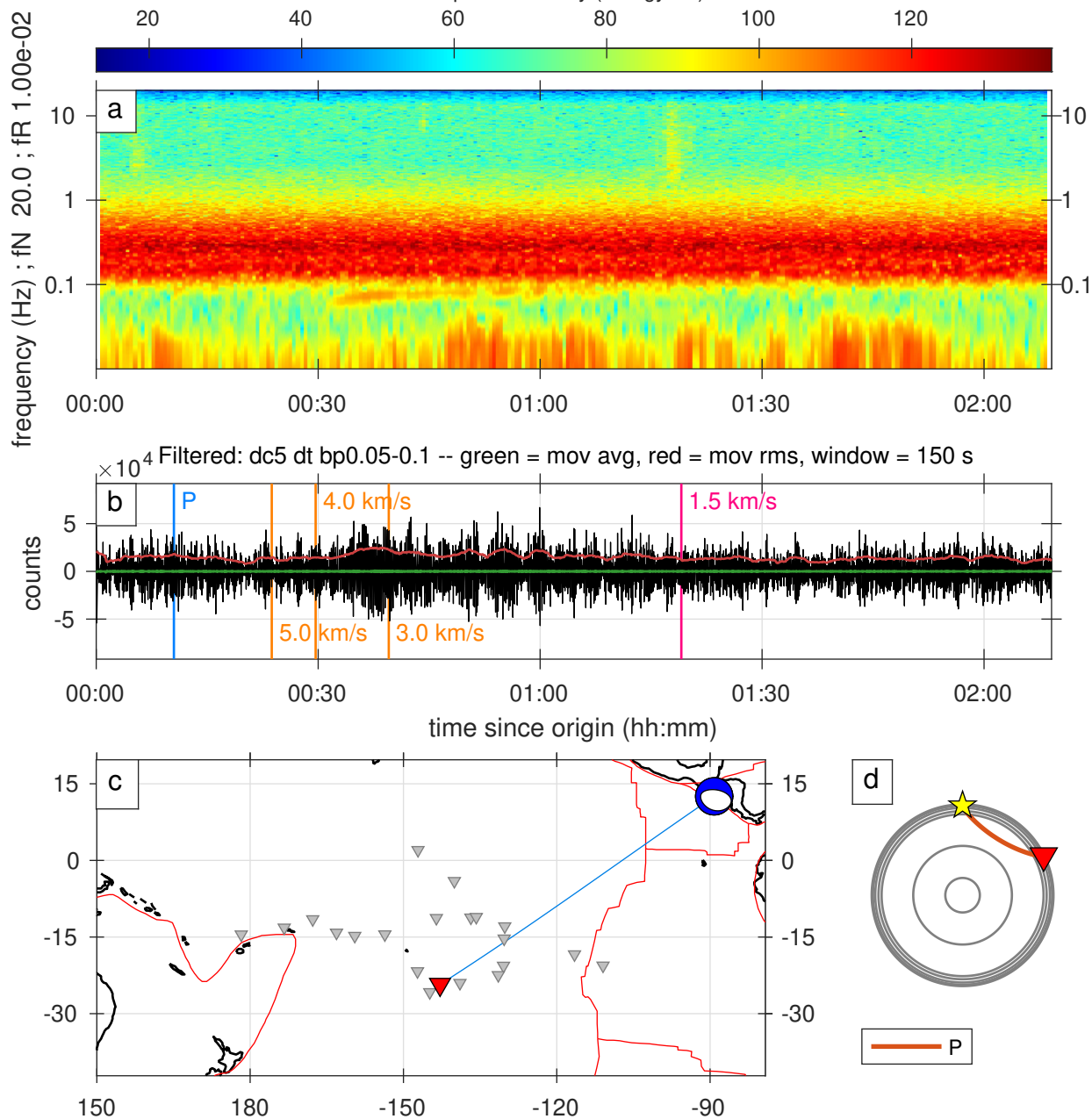


Figure S182. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-22T09:28:00.000000, ID: 11028716

Mww = 6.10, distance = 101.85 degrees, depth = 20.00 km

53.25 - 100.00 percent

spectral density (energy/Hz)

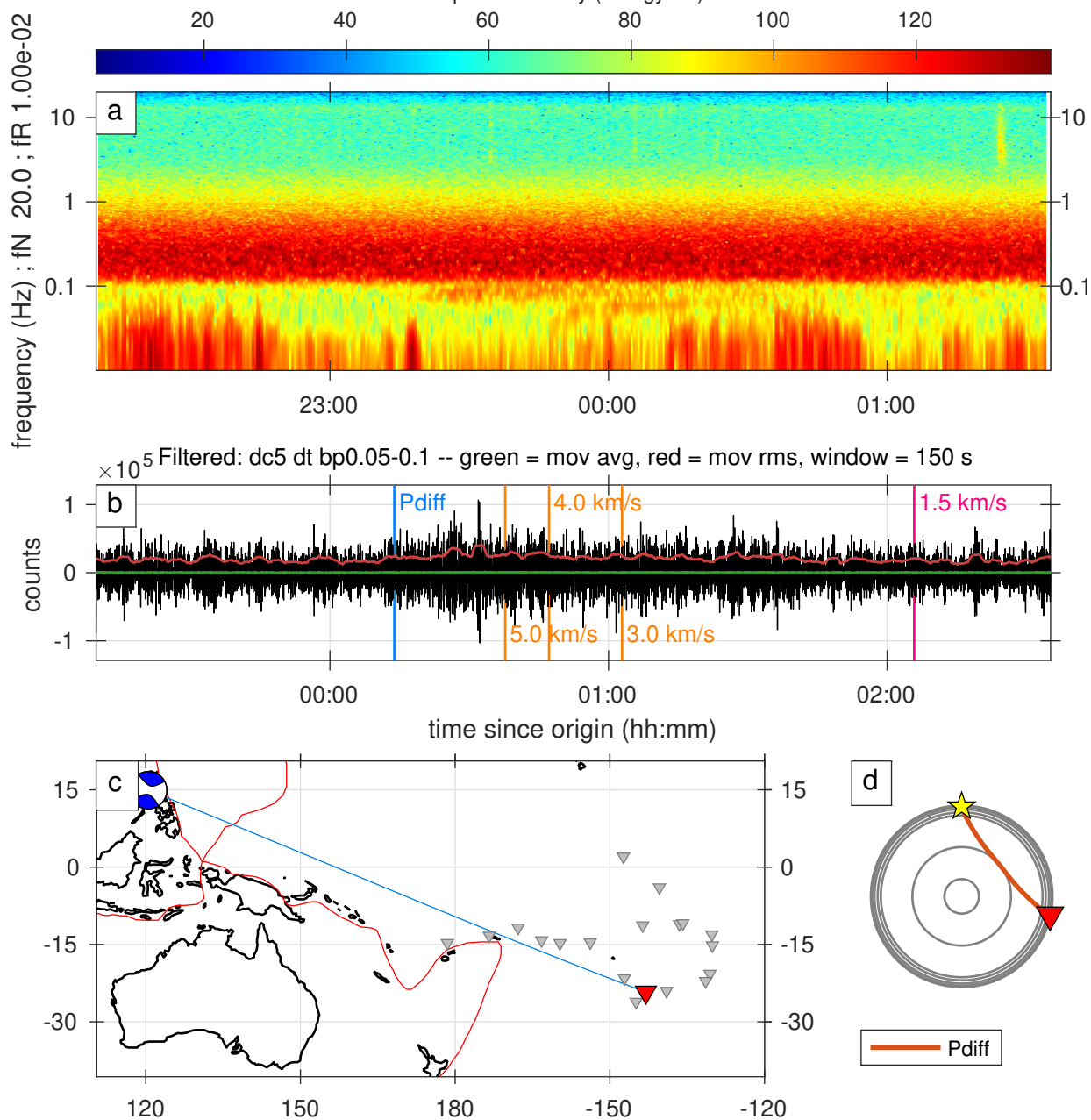


Figure S183. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-23T04:57:53.726763, ID: 11028990

mb = 5.20, distance = 28.09 degrees, depth = 10.00 km

58.34 - 61.75 percent

spectral density (energy/Hz)

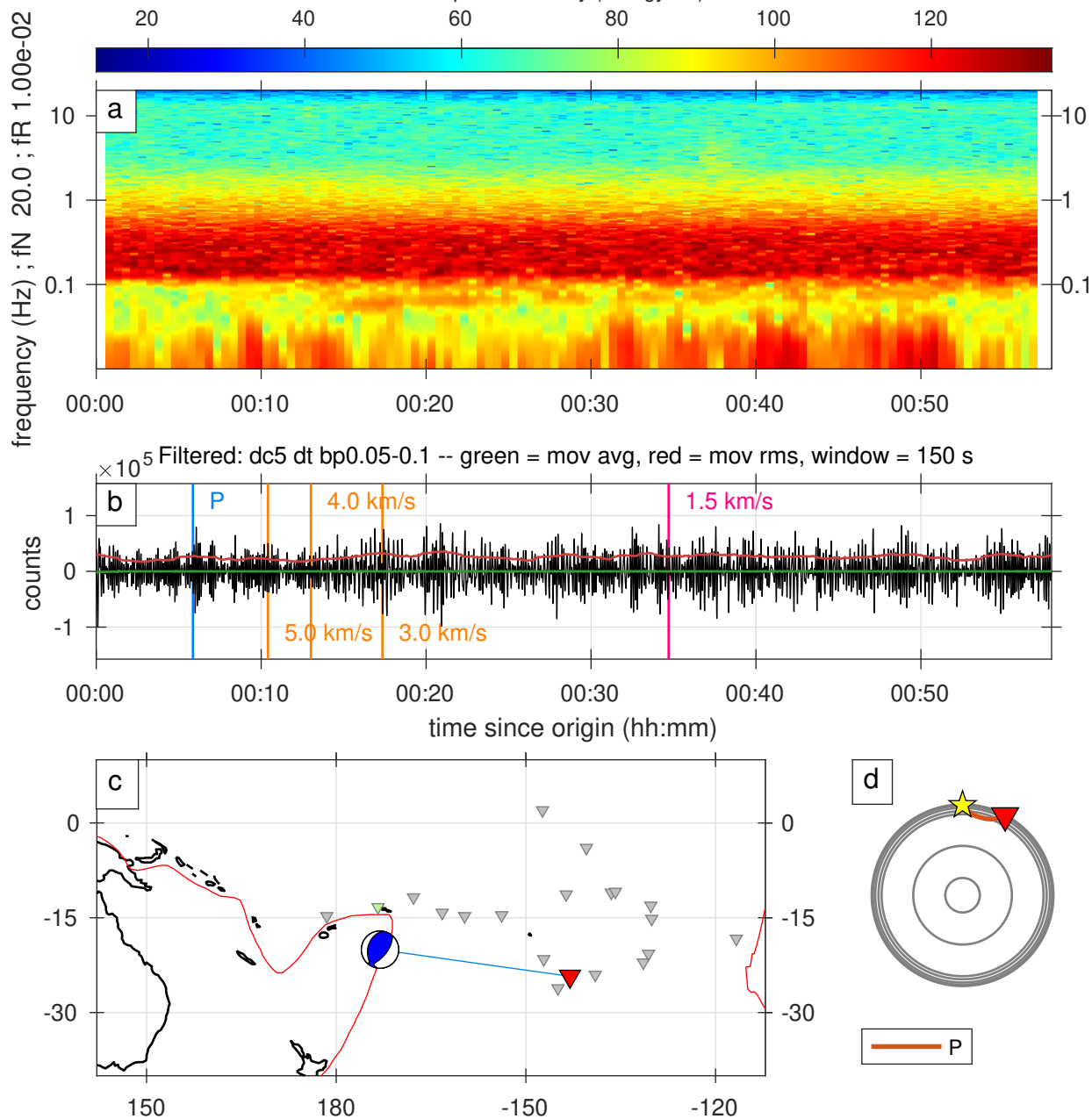


Figure S184. A full record of an earthquake classified as 1star category.

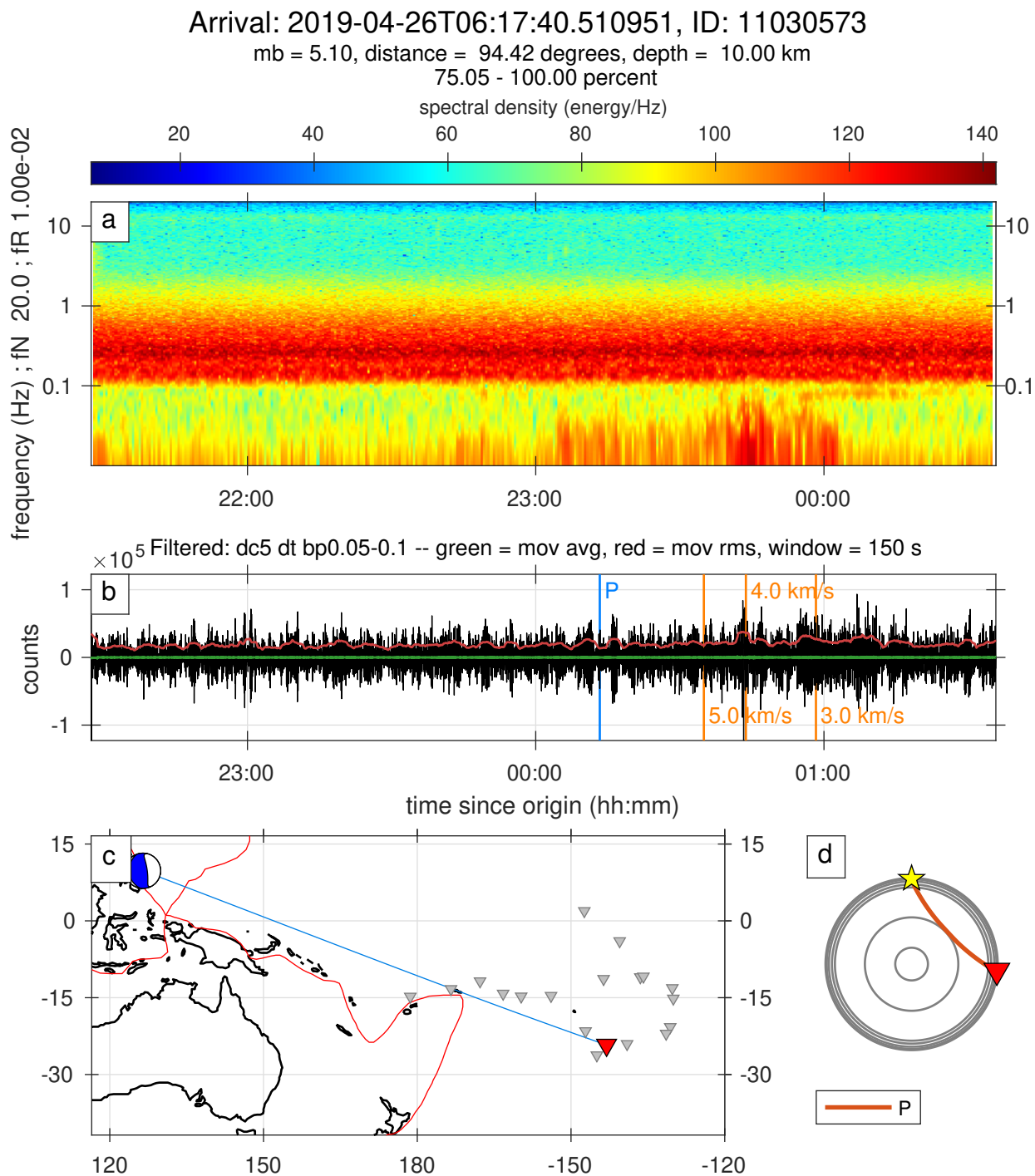


Figure S185. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-26T06:33:07.628752, ID: 11030576

Mww = 5.50, distance = 64.40 degrees, depth = 29.00 km

82.79 - 100.00 percent

spectral density (energy/Hz)

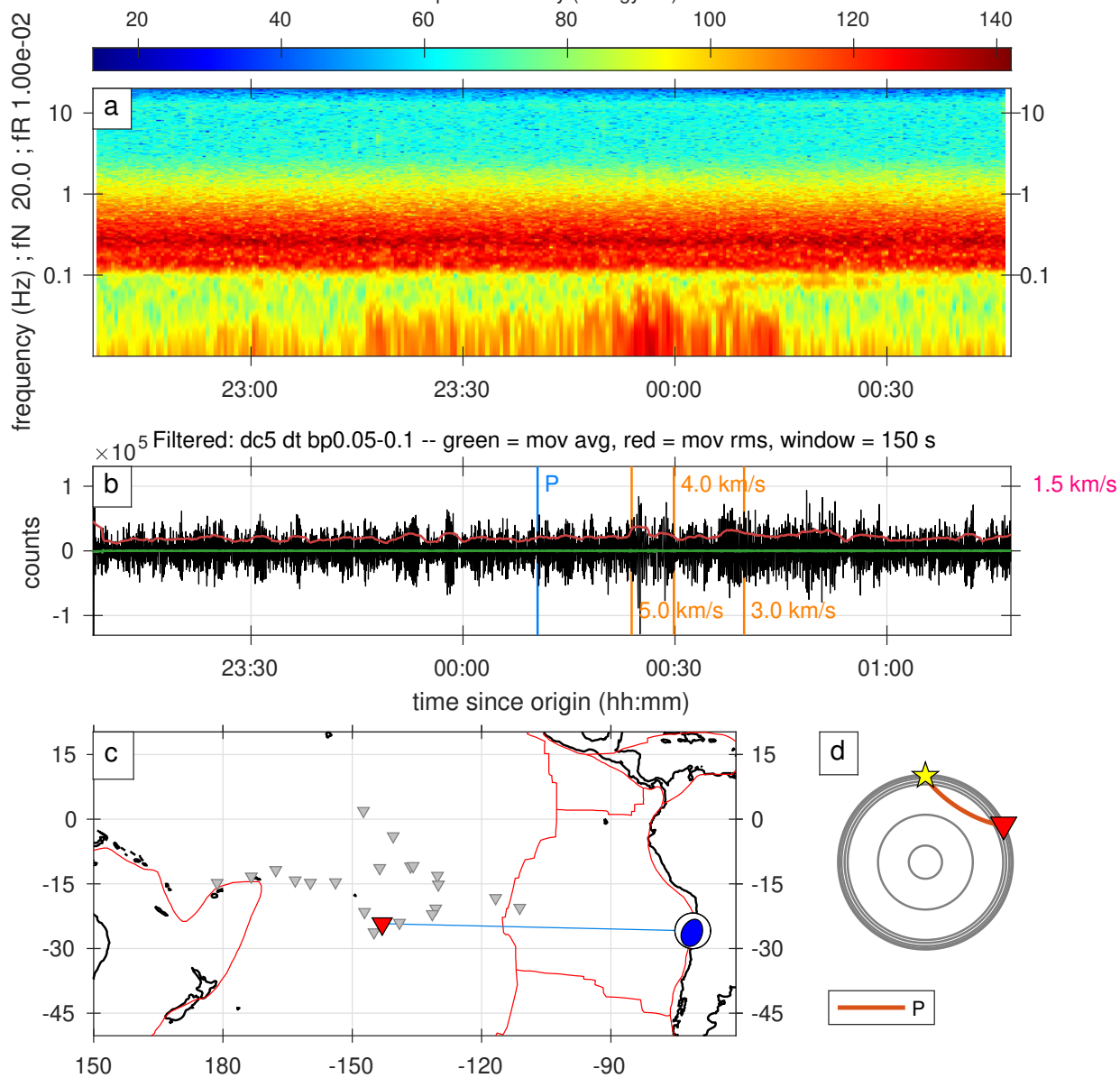


Figure S186. A full record of an earthquake classified as 1star category.

Arrival: 2019-04-27T11:06:16.175280, ID: 11031077

mb = 4.80, distance = 35.74 degrees, depth = 10.00 km

3.51 - 5.94 percent

spectral density (energy/Hz)

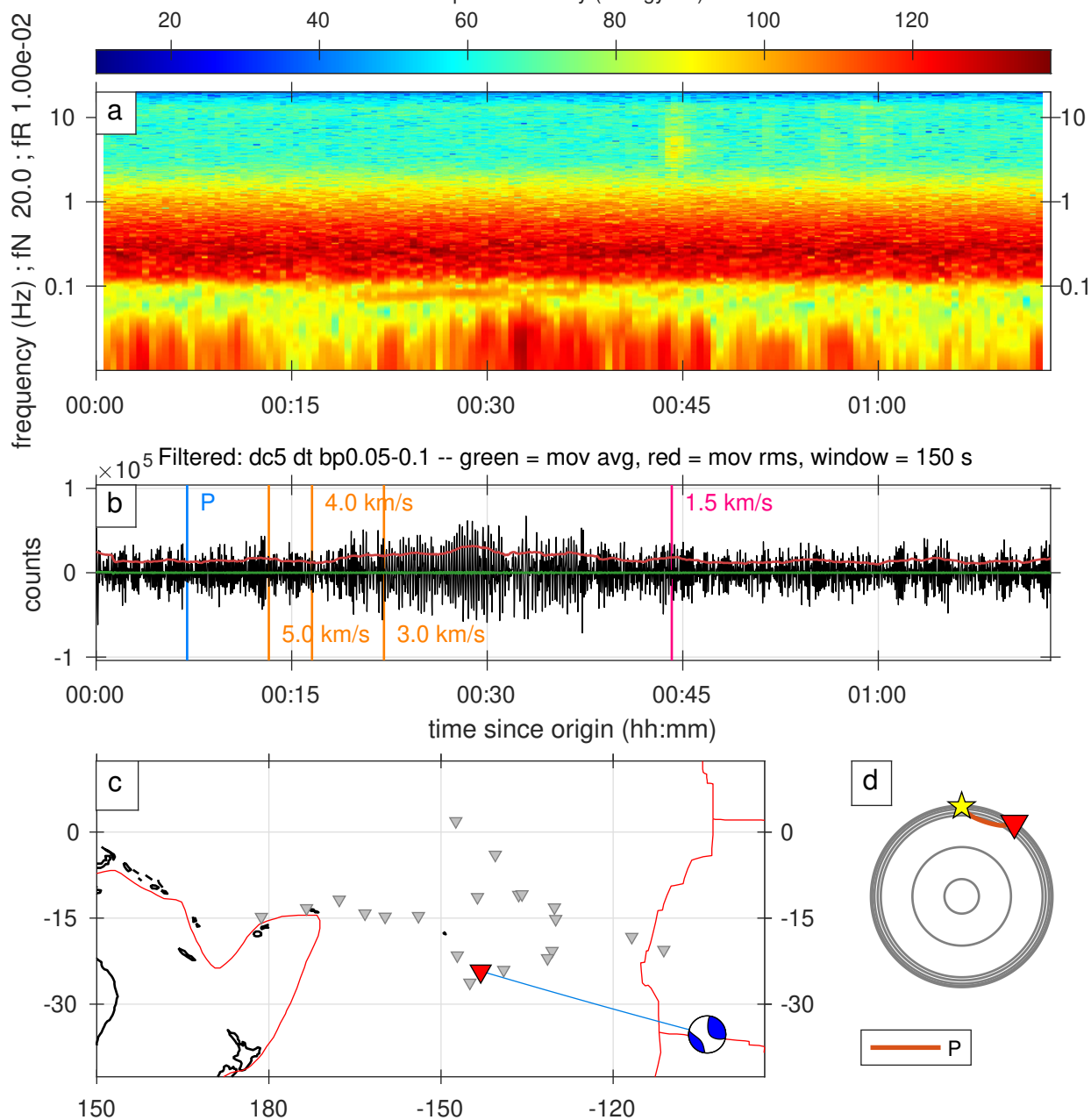


Figure S187. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-04T04:39:05.524328, ID: 11033566

mb = 5.00, distance = 24.84 degrees, depth = 10.00 km

44.23 - 44.96 percent

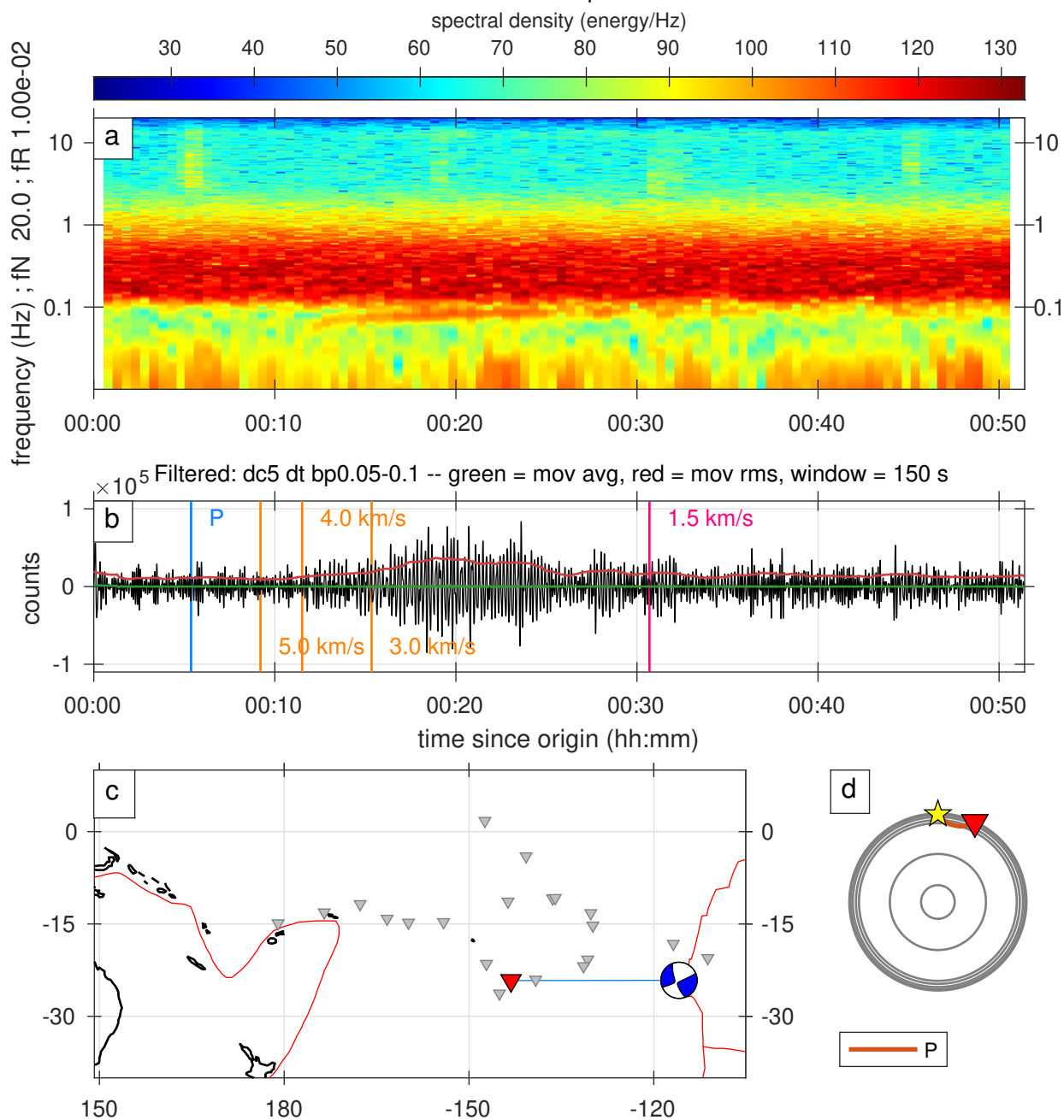


Figure S188. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-10T00:02:19.151223, ID: 11035661

Mww = 6.10, distance = 98.44 degrees, depth = 22.00 km

0.00 - 8.83 percent

spectral density (energy/Hz)

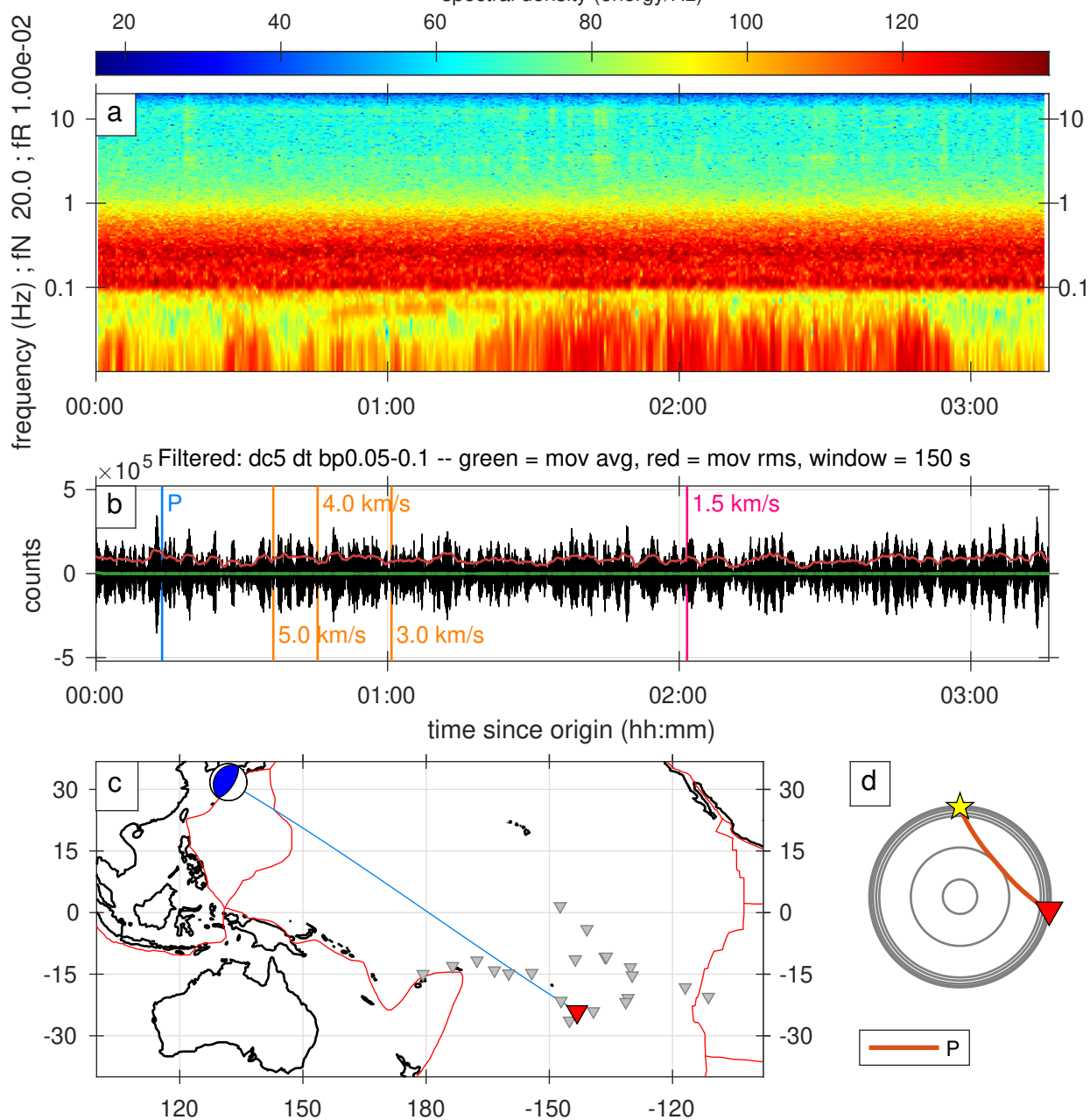


Figure S189. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-17T22:48:00.000000, ID: 11038666

Mww = 5.90, distance = 64.17 degrees, depth = 21.00 km

74.92 - 81.71 percent

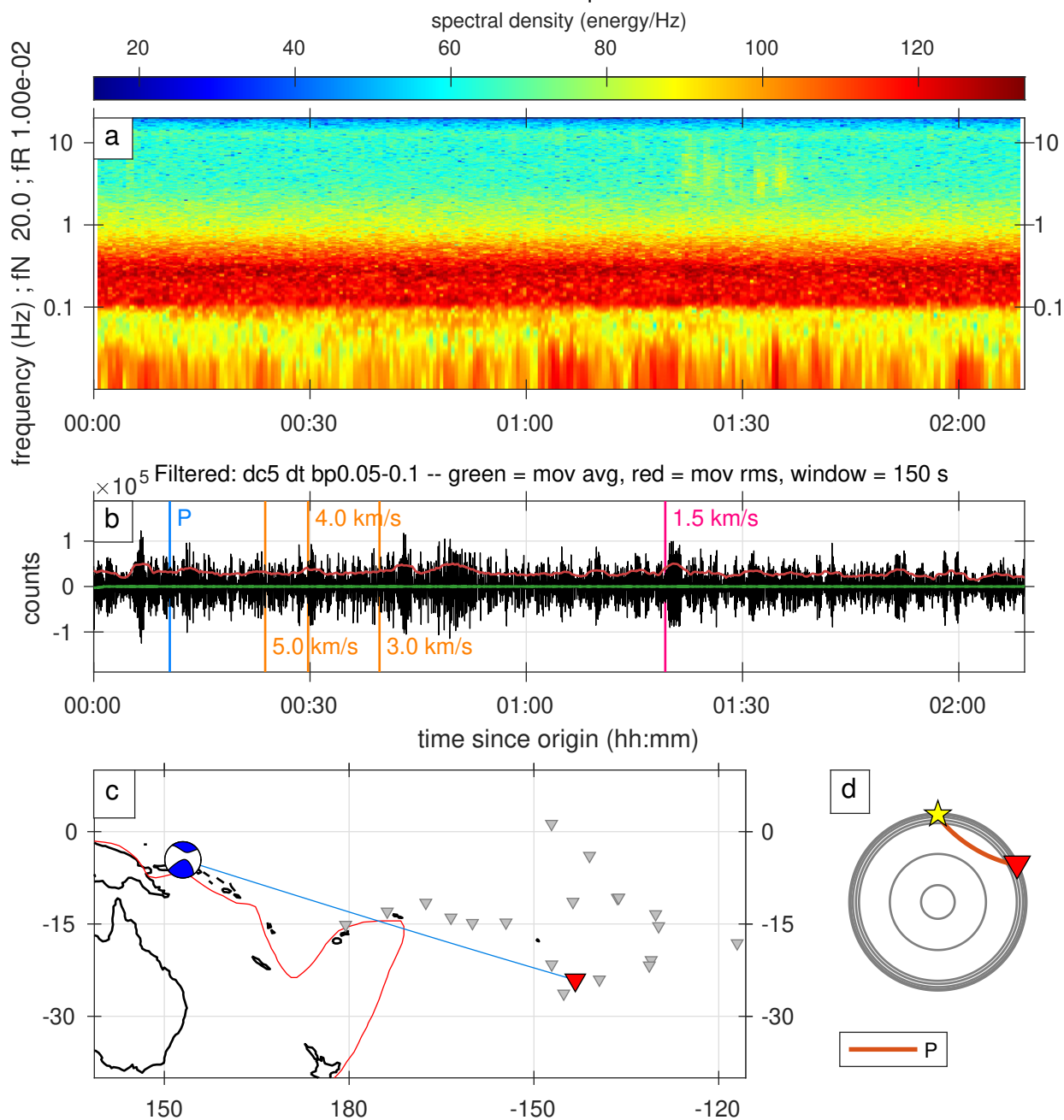


Figure S190. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-23T15:10:00.000000, ID: 11040302

Mww = 5.70, distance = 43.04 degrees, depth = 19.00 km

74.28 - 85.28 percent

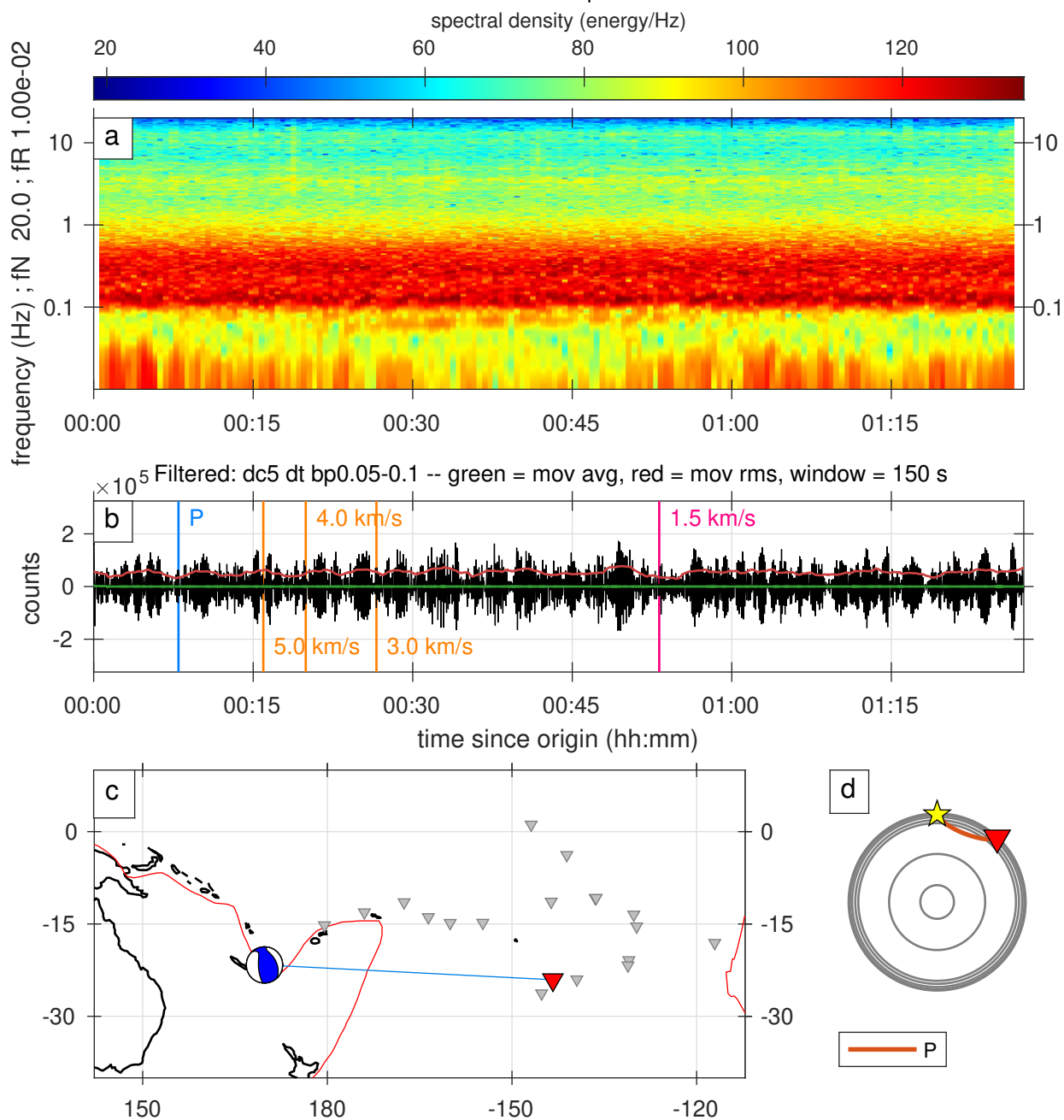


Figure S191. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-31T10:26:00.000000, ID: 11042835

Mww = 6.10, distance = 92.53 degrees, depth = 90.21 km

62.70 - 64.76 percent

spectral density (energy/Hz)

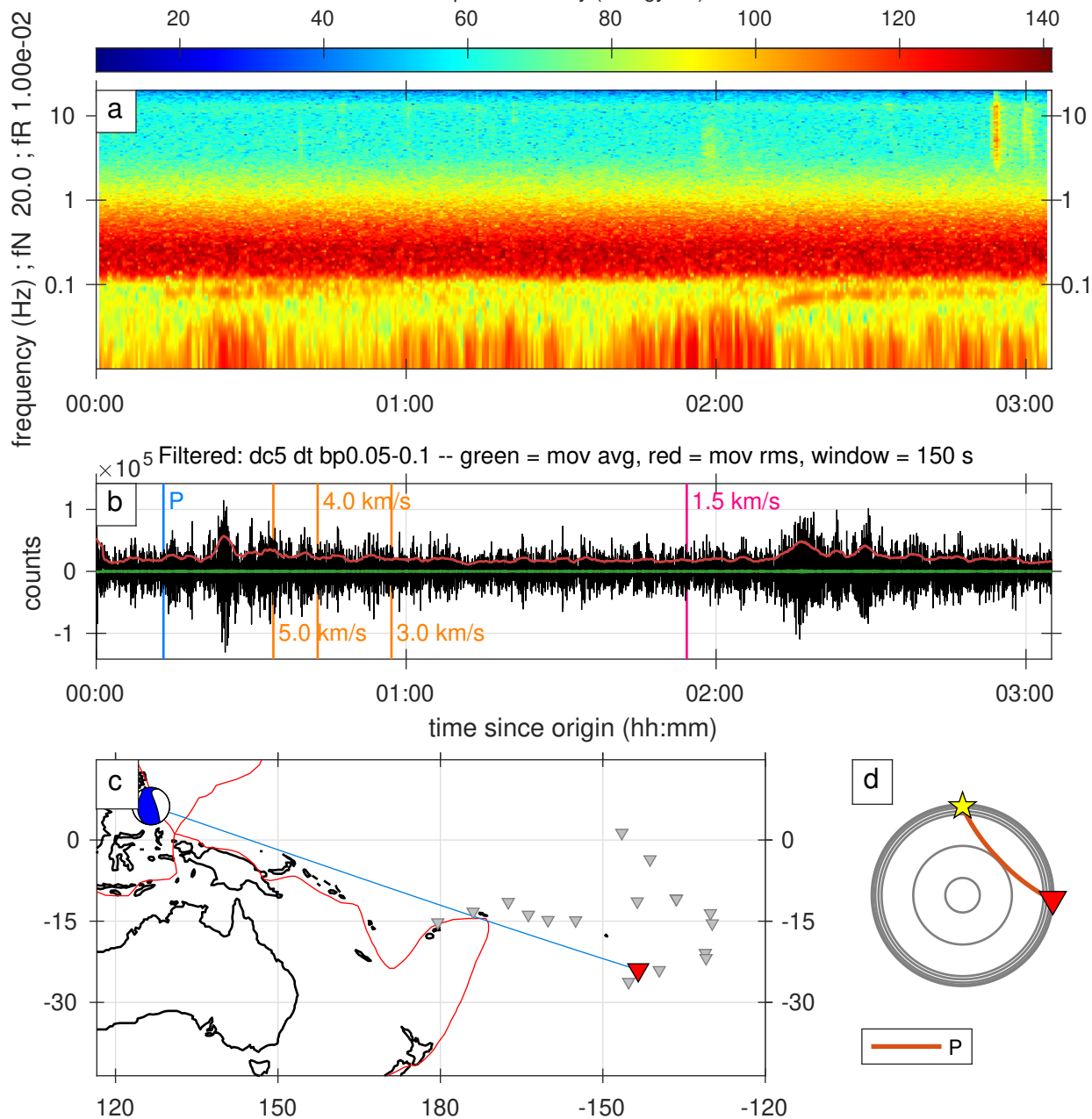


Figure S192. A full record of an earthquake classified as 1star category.

Arrival: 2019-05-31T12:06:59.436799, ID: 11042843

Mww = 5.80, distance = 55.47 degrees, depth = 10.00 km

63.87 - 65.11 percent

spectral density (energy/Hz)

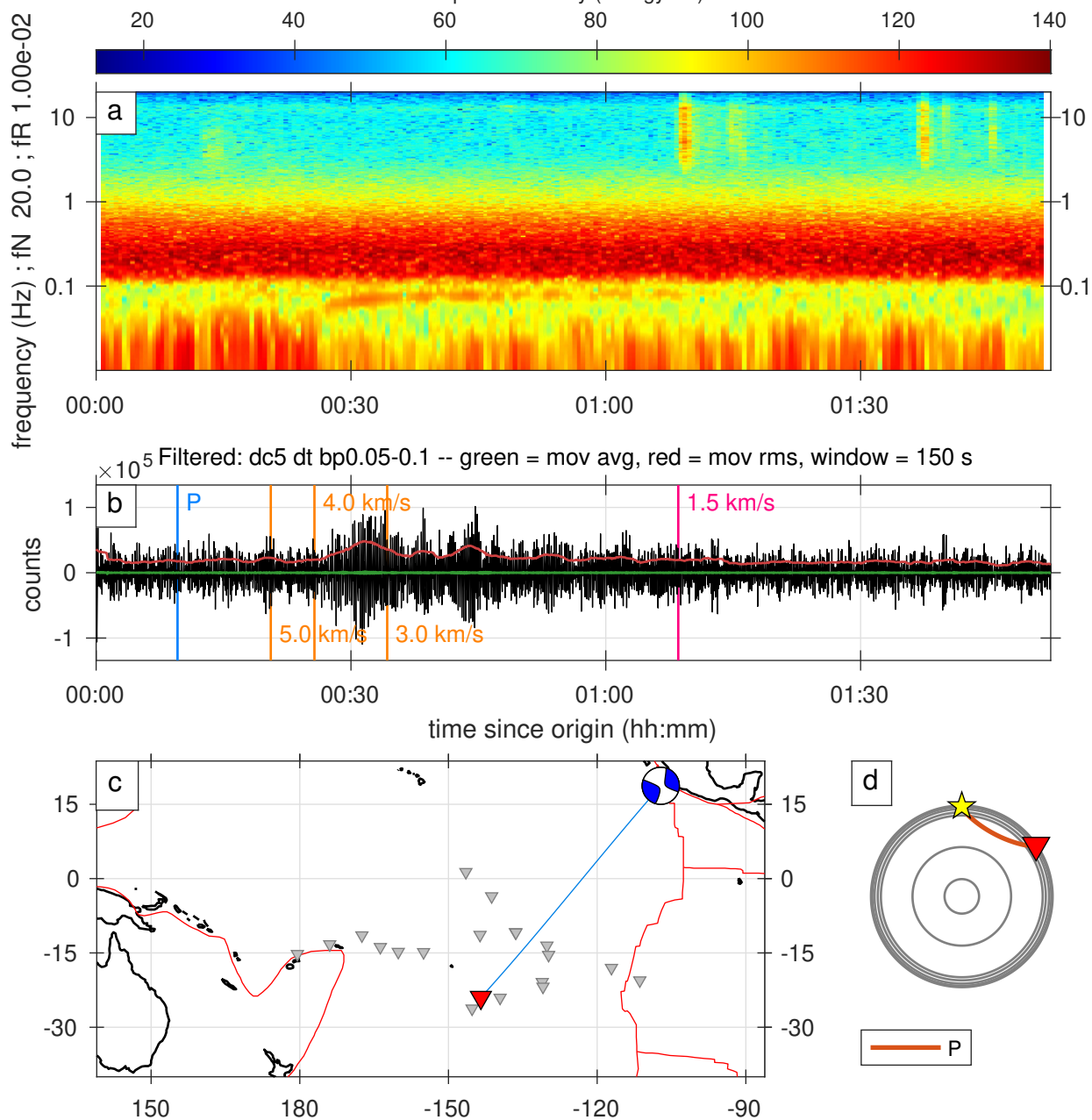


Figure S193. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-11T23:30:20.523358, ID: 11047824

mb = 5.20, distance = 33.47 degrees, depth = 10.00 km

16.66 - 33.42 percent

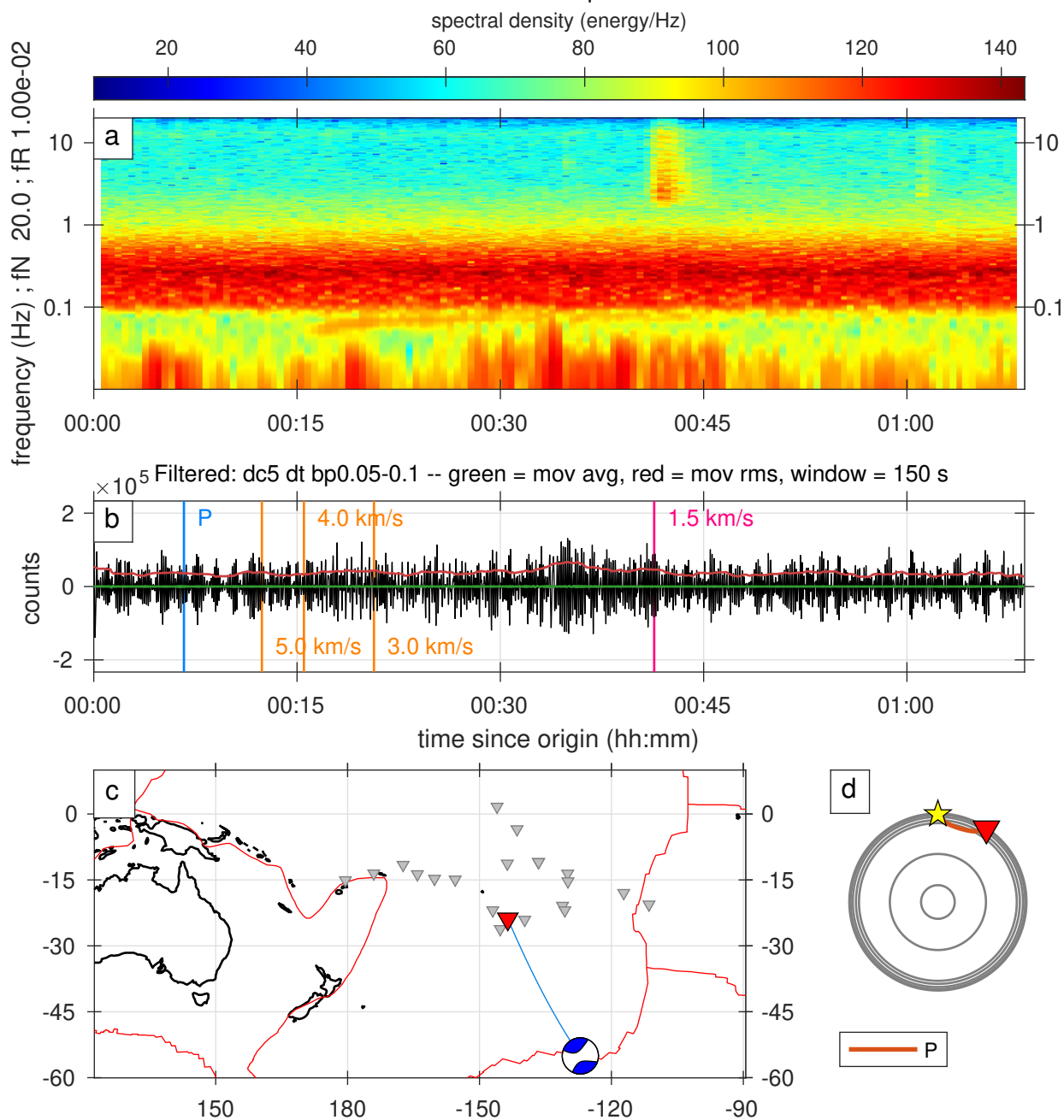


Figure S194. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-13T07:39:49.179341, ID: 11048373

mb = 5.20, distance = 28.02 degrees, depth = 10.00 km

3.48 - 4.92 percent

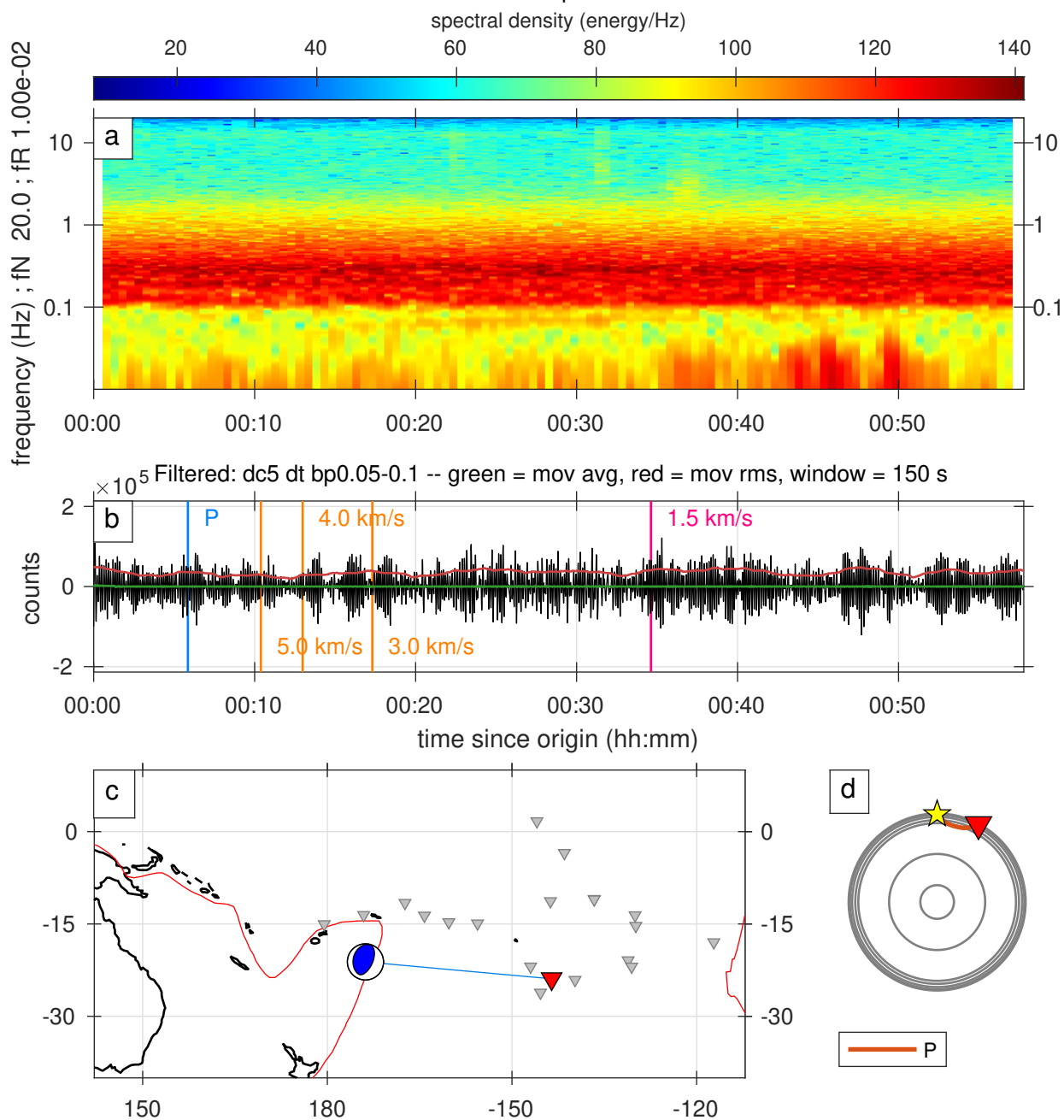


Figure S195. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-14T16:36:47.494482, ID: 11048883

Mww = 5.10, distance = 62.17 degrees, depth = 10.00 km

52.83 - 55.97 percent

spectral density (energy/Hz)

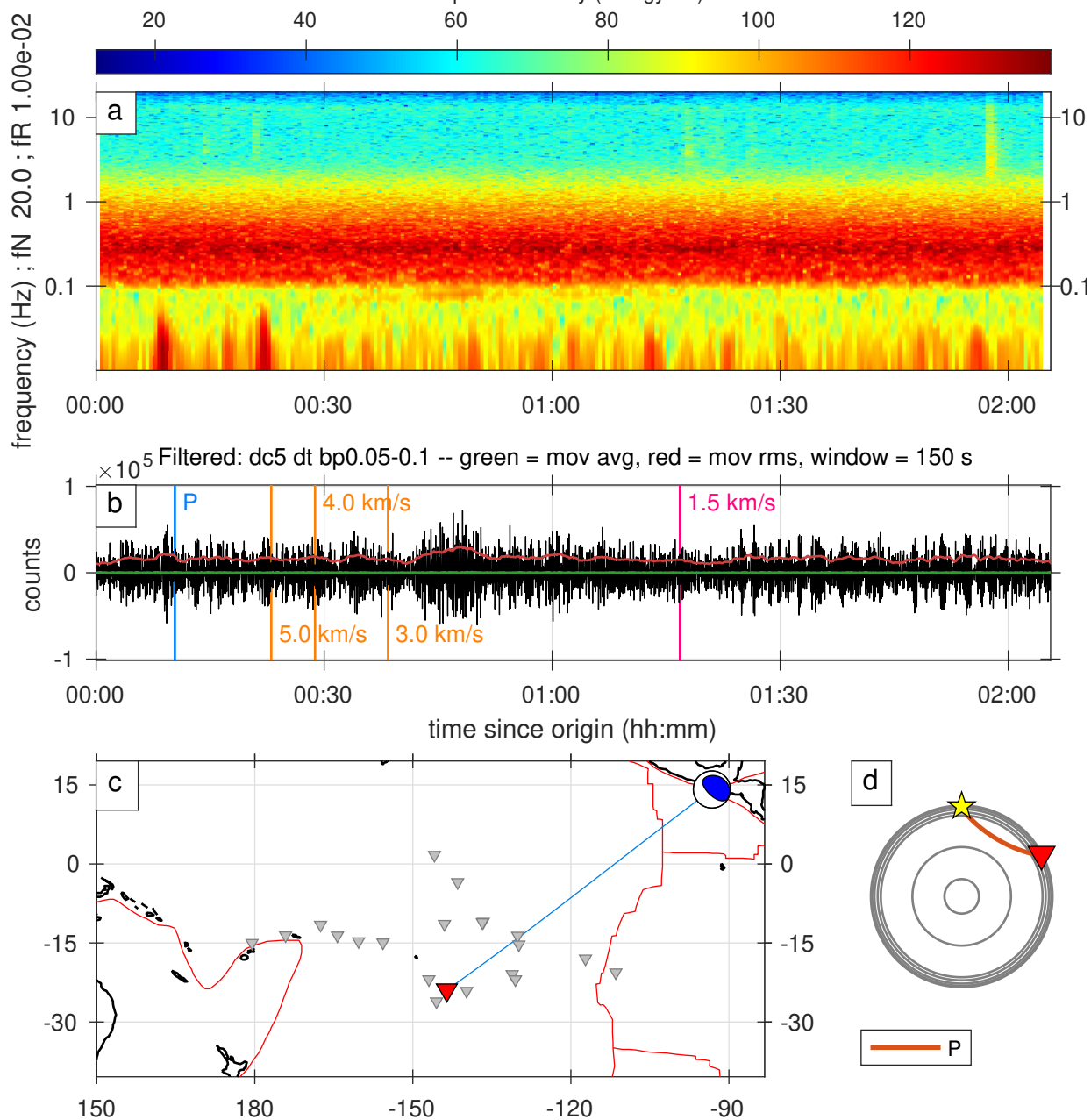


Figure S196. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-24T01:17:30.000000, ID: 11052533

Mww = 6.10, distance = 77.85 degrees, depth = 28.00 km

92.96 - 100.00 percent

spectral density (energy/Hz)

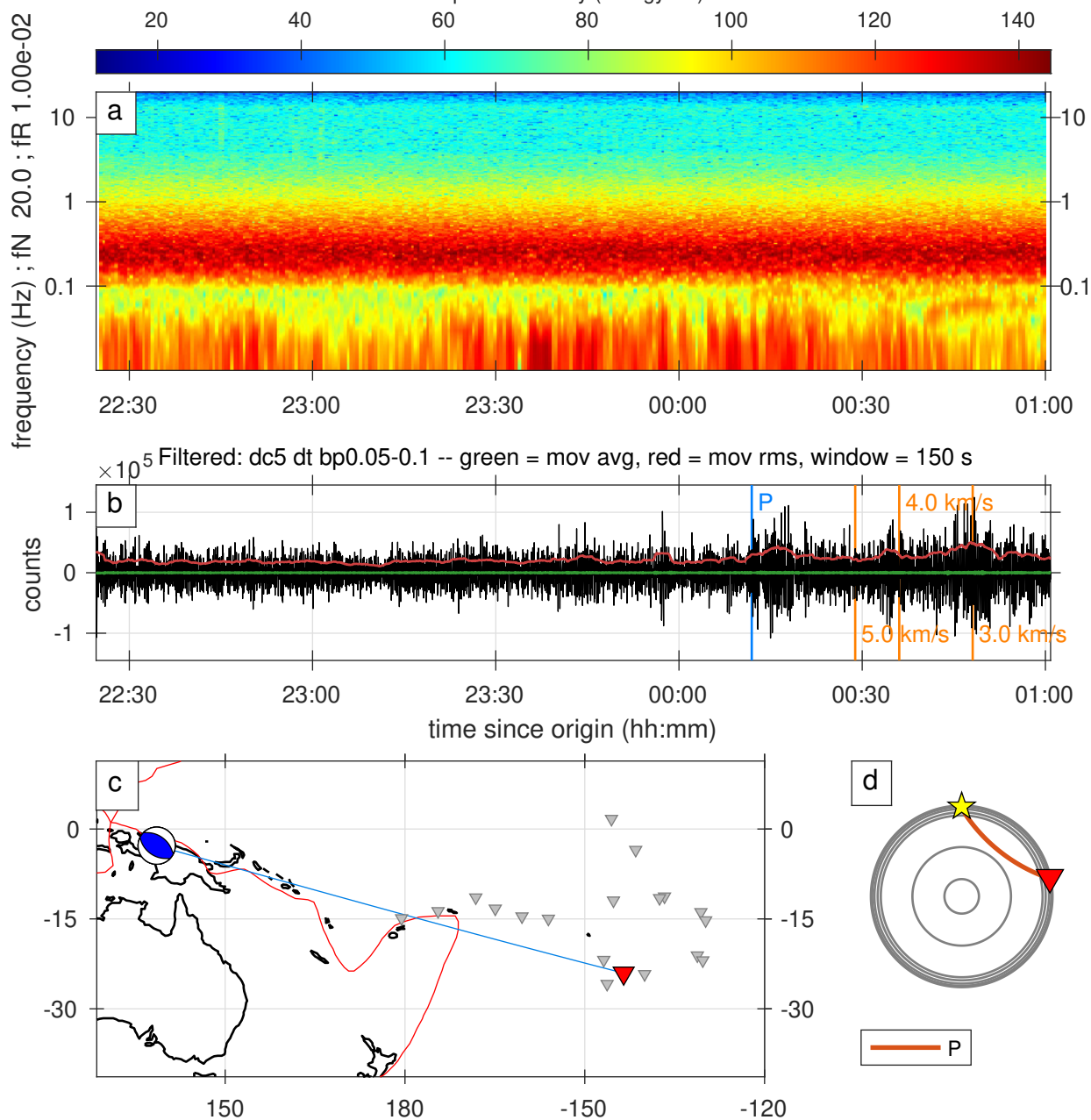


Figure S197. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-25T09:18:40.000000, ID: 11052941

mww = 6.30, distance = 91.60 degrees, depth = 10.00 km

67.94 - 74.91 percent

spectral density (energy/Hz)

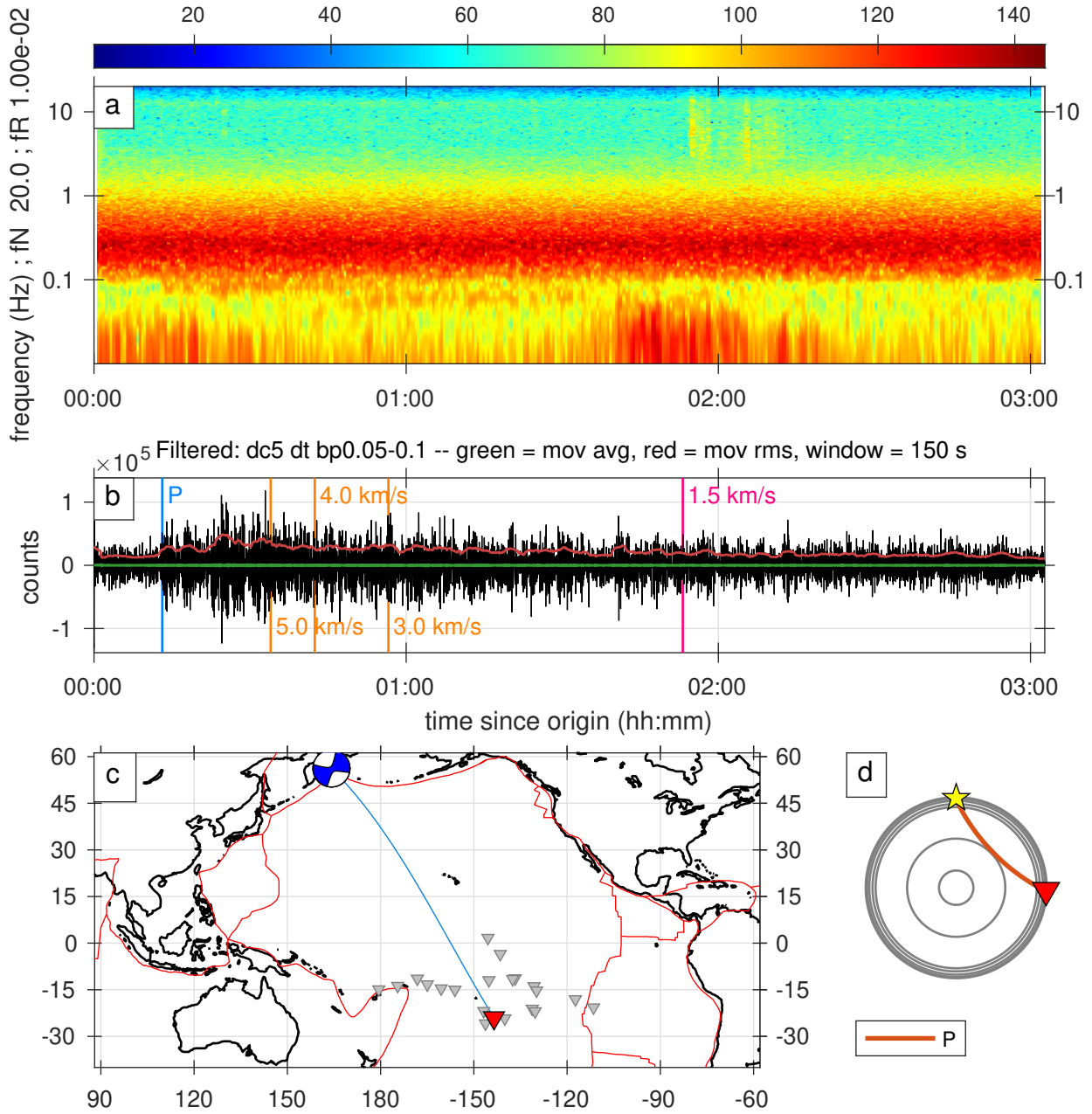


Figure S198. A full record of an earthquake classified as 1star category.

Arrival: 2019-06-28T16:05:00.000000, ID: 11054354

Mww = 6.40, distance = 82.78 degrees, depth = 410.00 km

68.30 - 71.23 percent

spectral density (energy/Hz)

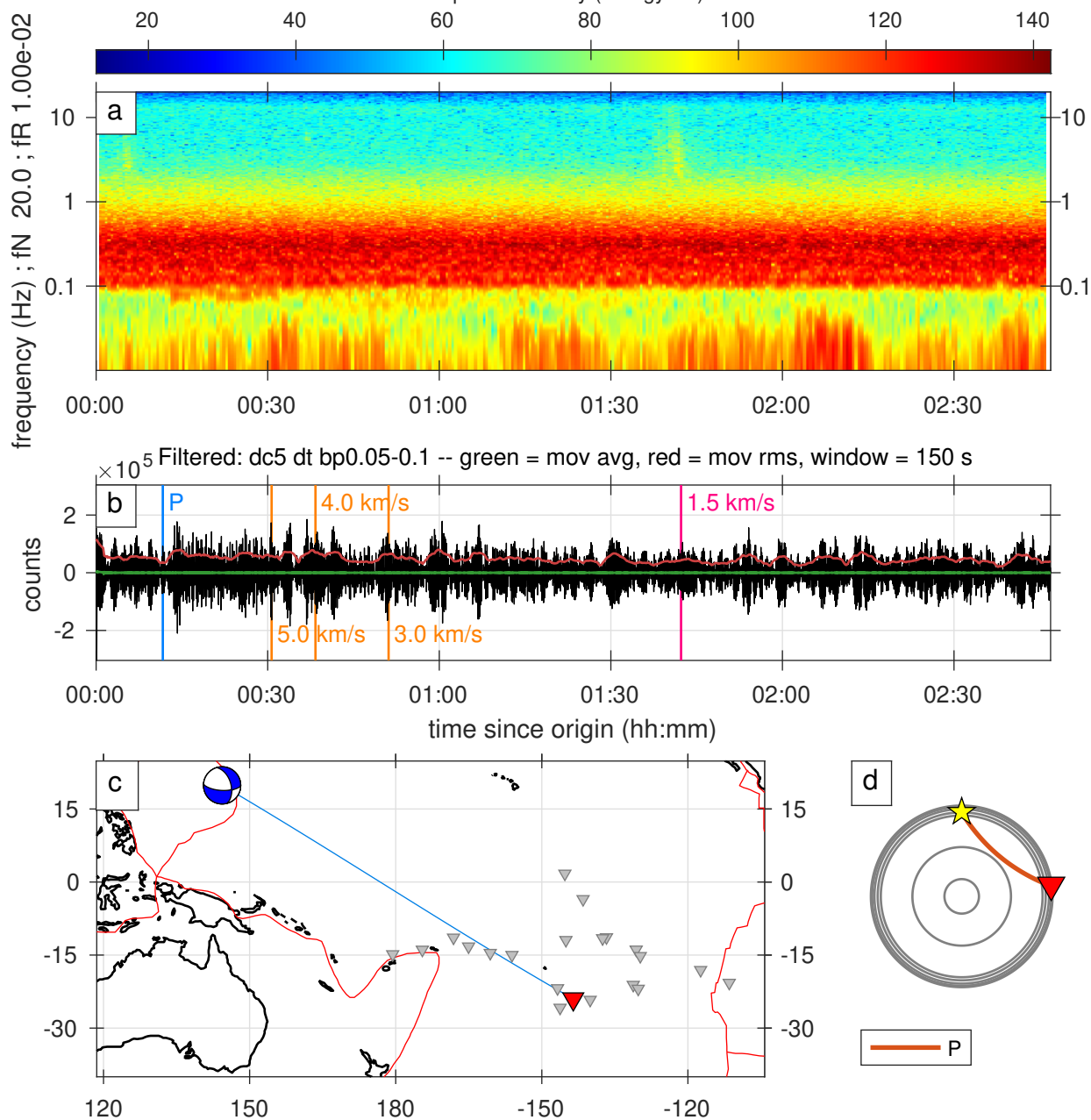


Figure S199. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-05T02:14:28.097684, ID: 11057330

Mww = 5.20, distance = 29.57 degrees, depth = 10.00 km

56.59 - 60.03 percent

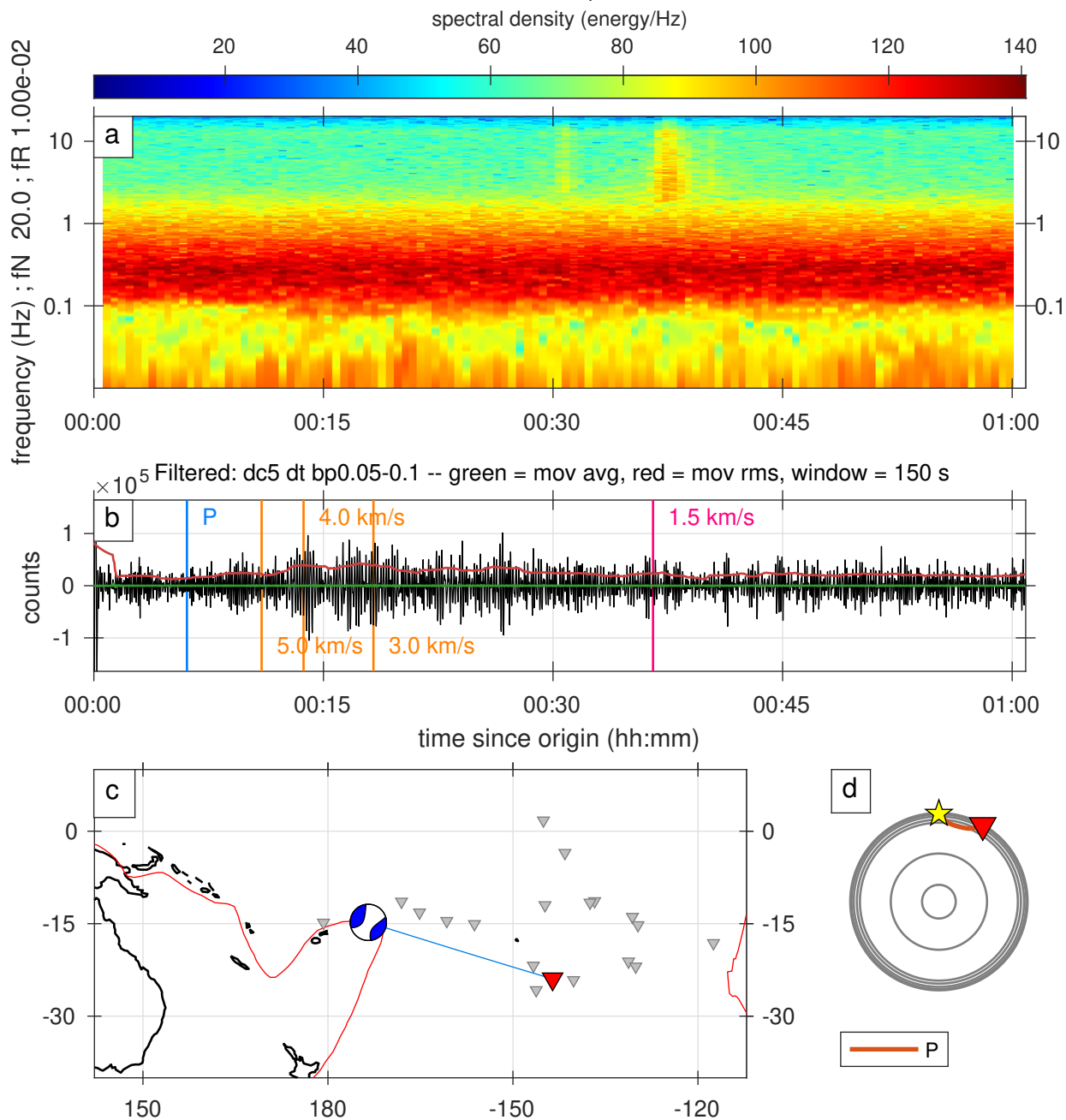


Figure S200. A full record of an earthquake classified as 1star category.

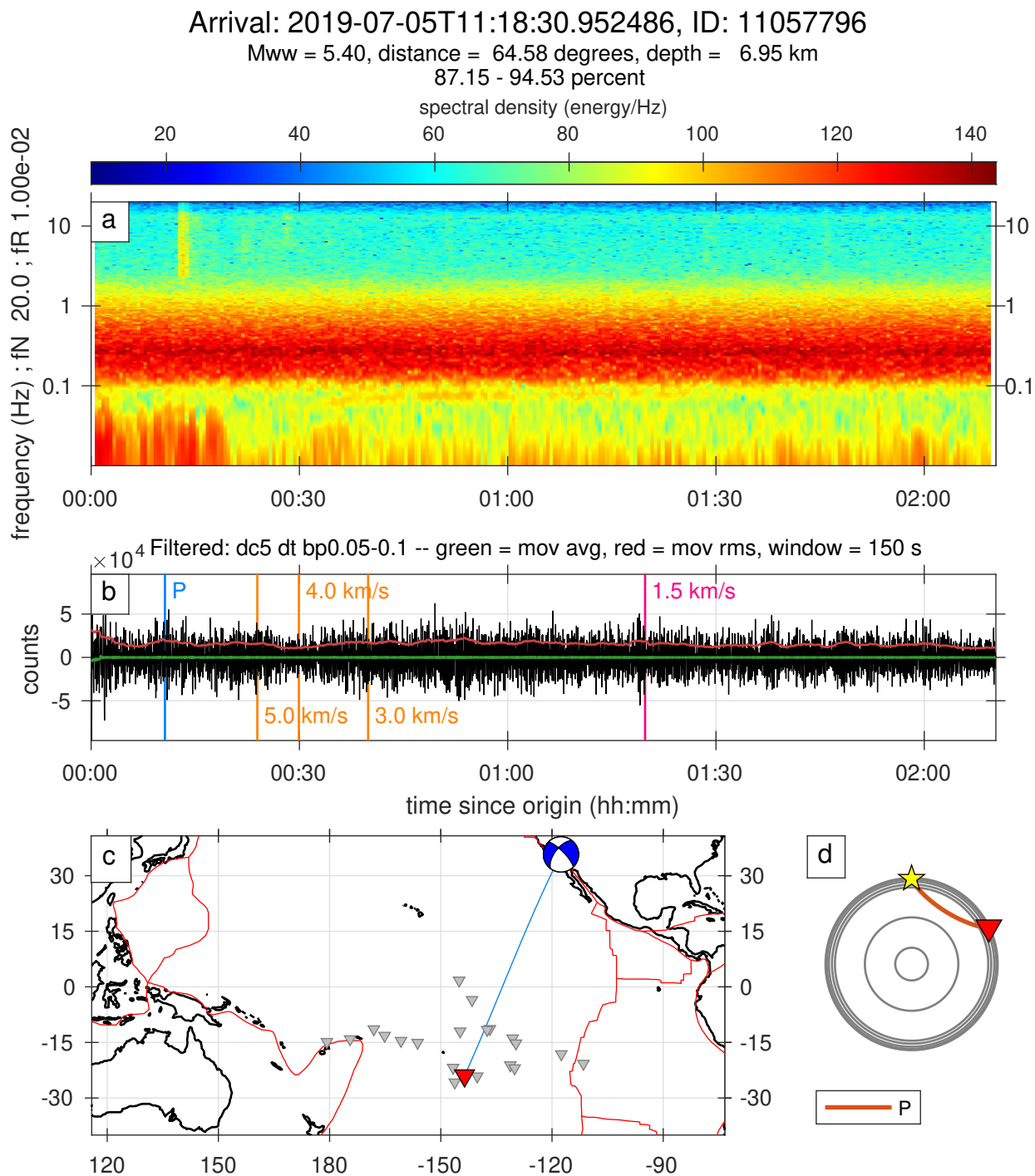


Figure S201. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-05T13:10:17.341773, ID: 11057951

Mww = 5.60, distance = 76.16 degrees, depth = 5.11 km

91.34 - 100.00 percent

spectral density (energy/Hz)

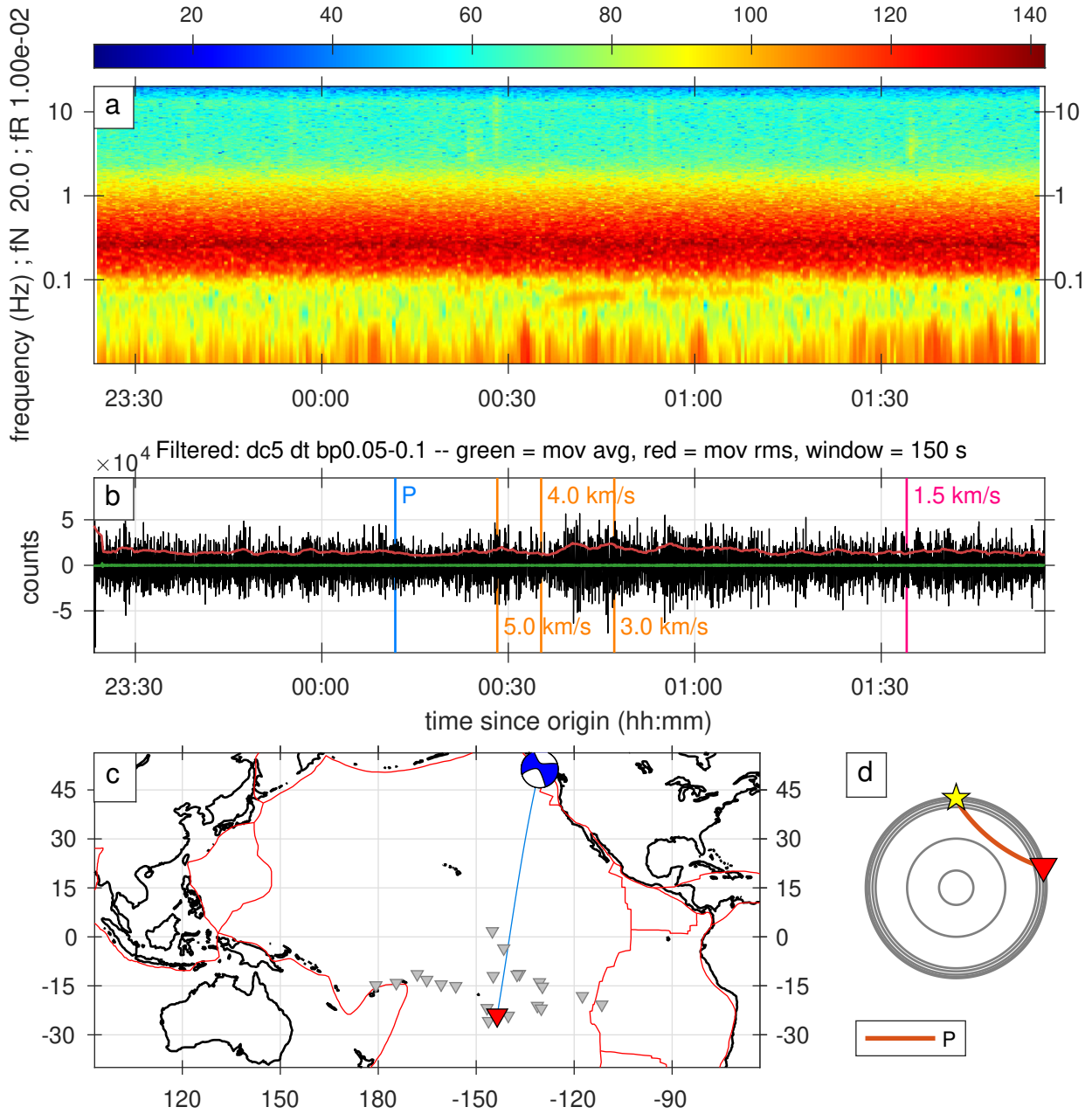


Figure S202. A full record of an earthquake classified as 1star category.

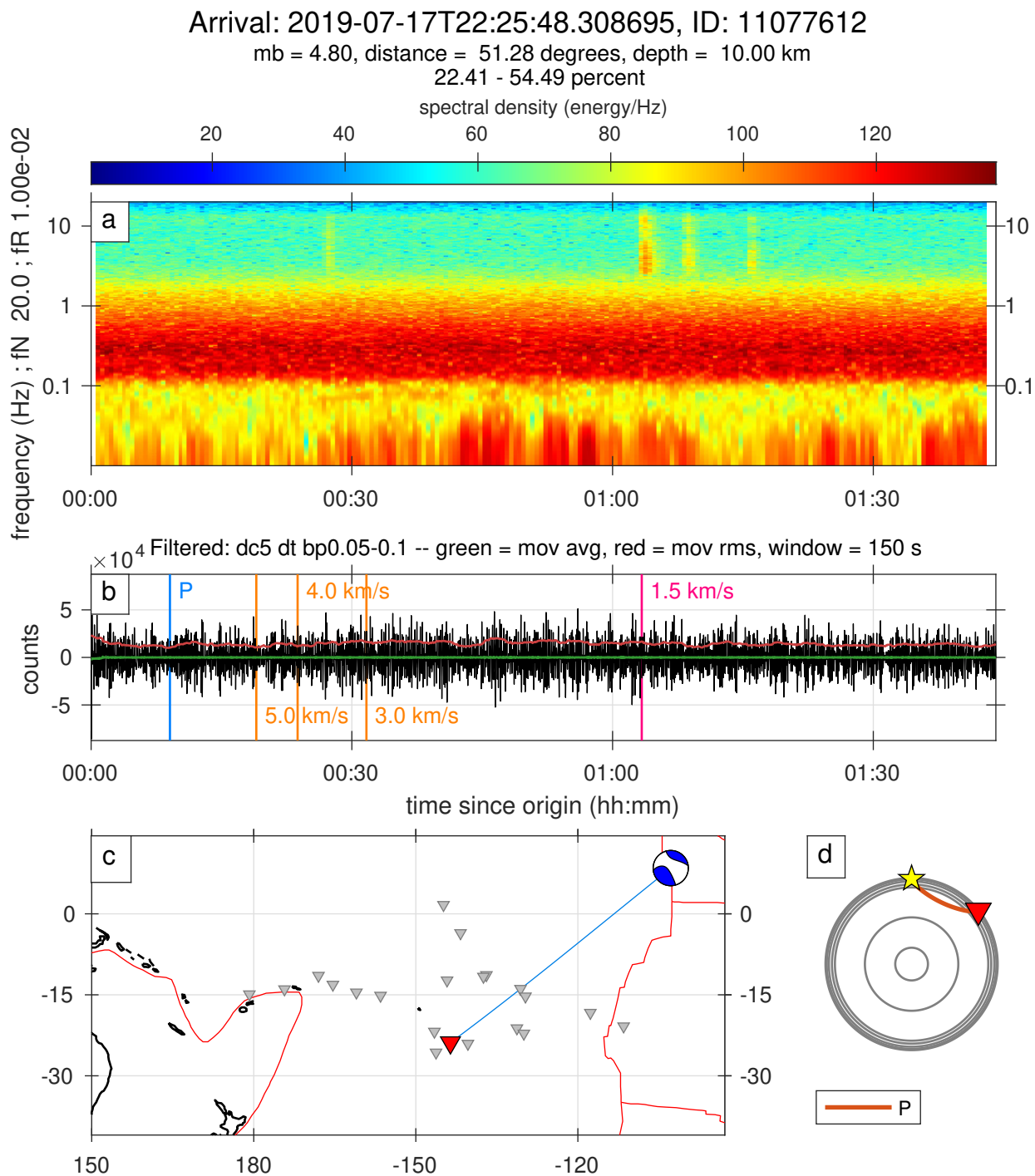


Figure S203. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-20T14:16:54.390053, ID: 11080263

mb = 4.80, distance = 27.91 degrees, depth = 10.00 km

60.39 - 63.01 percent

spectral density (energy/Hz)

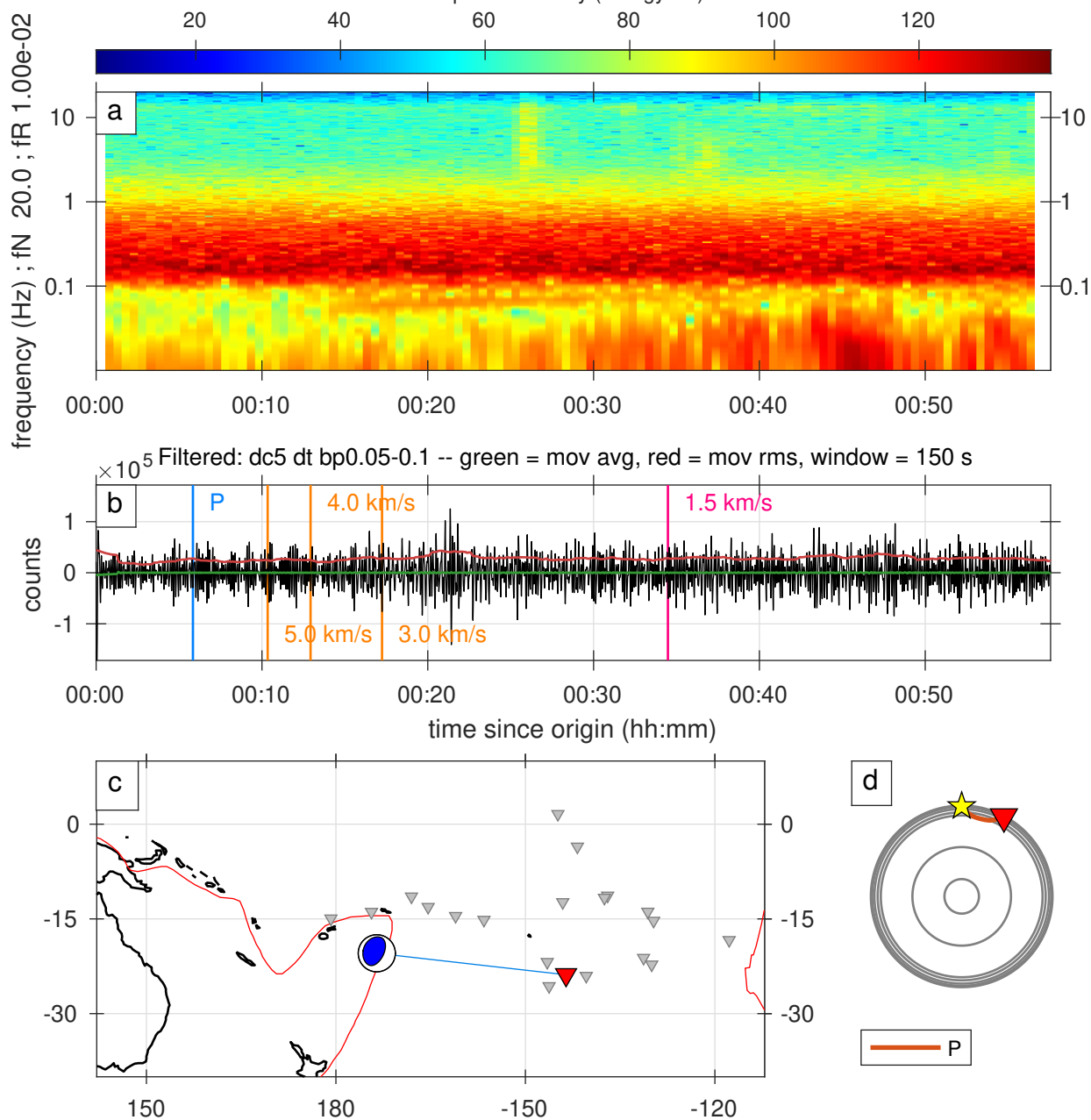


Figure S204. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-20T15:22:16.823495, ID: 11080254

Mww = 5.10, distance = 27.63 degrees, depth = 10.00 km

63.37 - 65.97 percent

spectral density (energy/Hz)

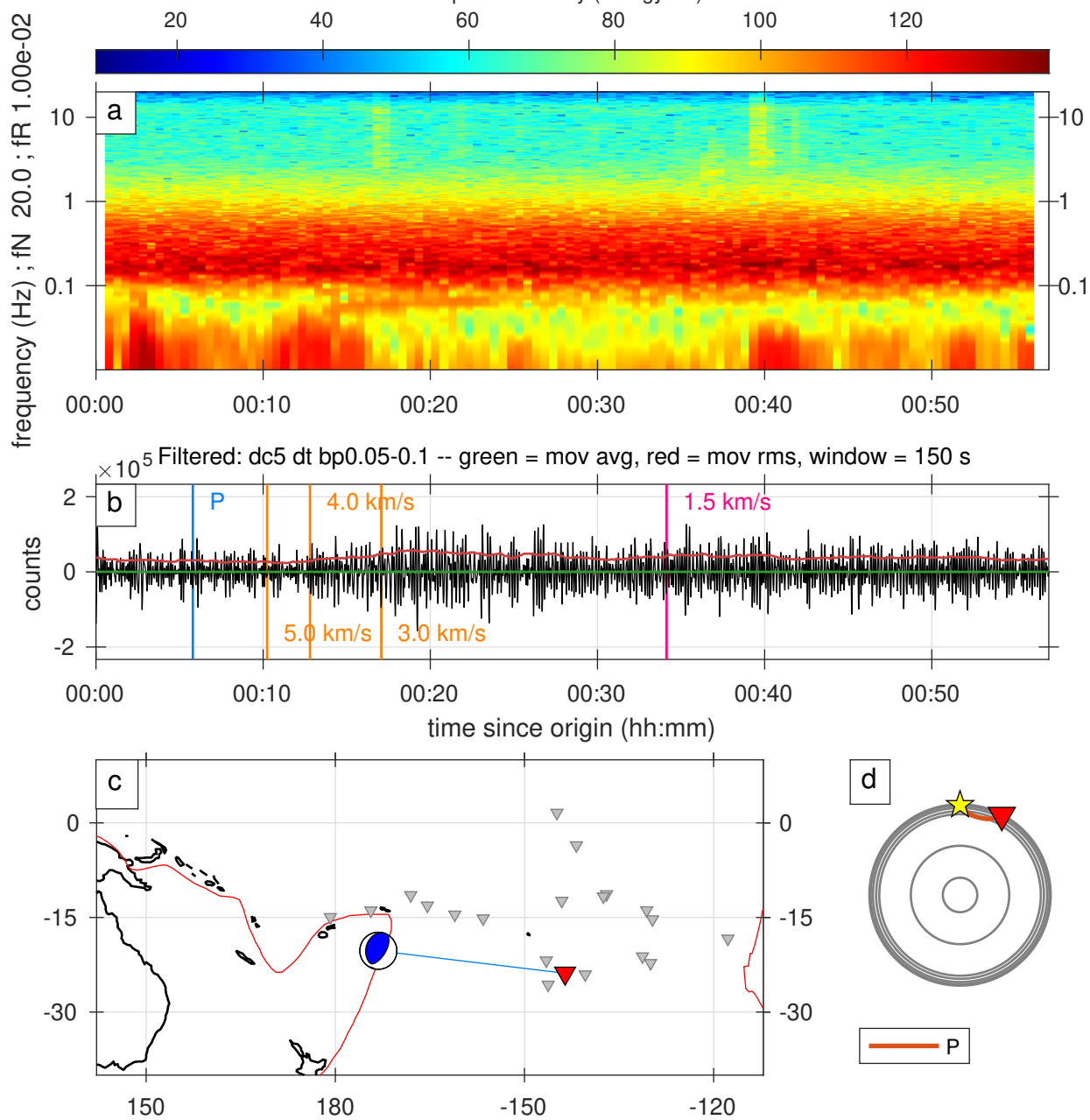


Figure S205. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-21T21:05:01.099695, ID: 11081248

mb = 4.70, distance = 28.89 degrees, depth = 10.00 km

88.20 - 93.56 percent

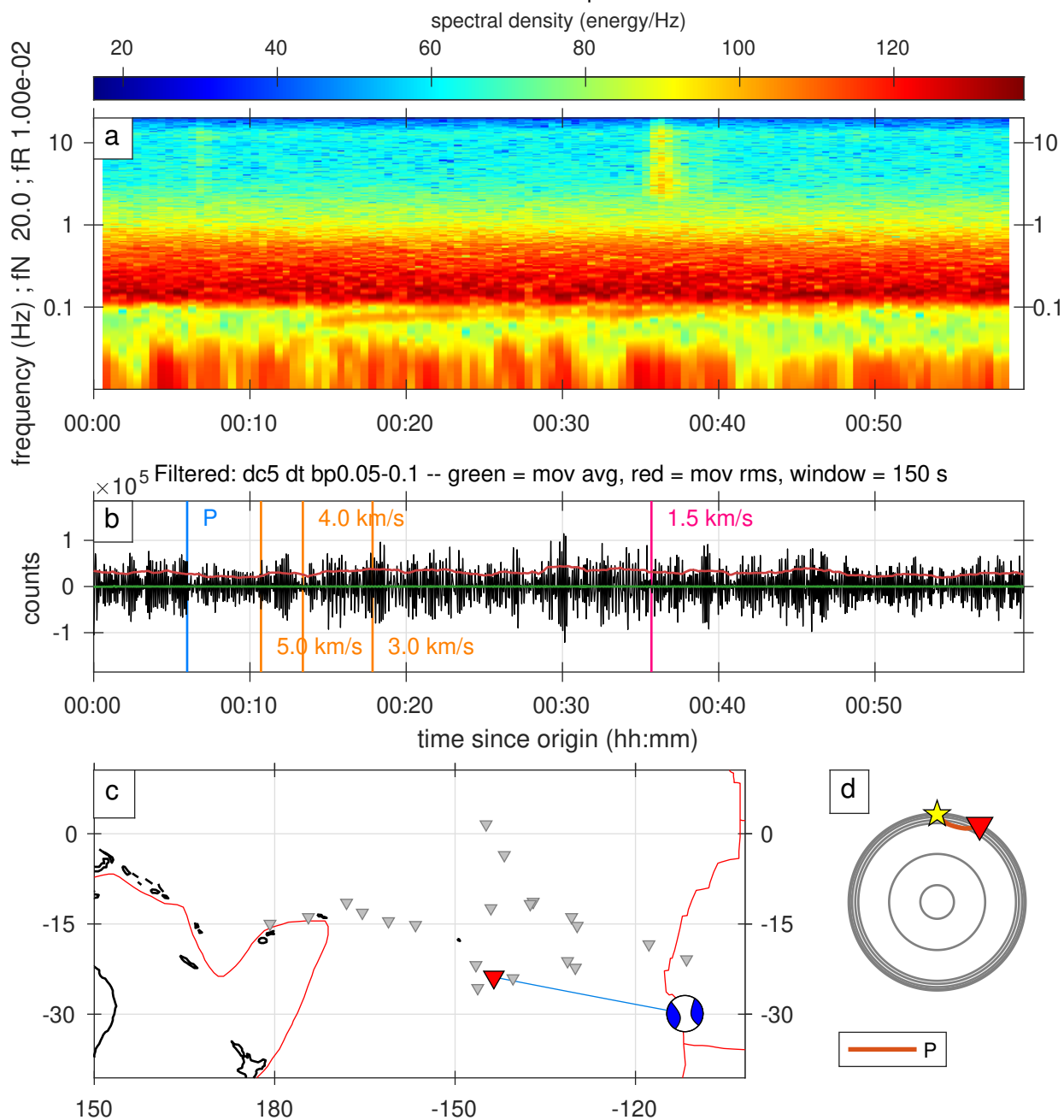


Figure S206. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-23T10:43:03.328153, ID: 11082724

Mww = 6.00, distance = 56.09 degrees, depth = 10.00 km

46.06 - 50.94 percent

spectral density (energy/Hz)

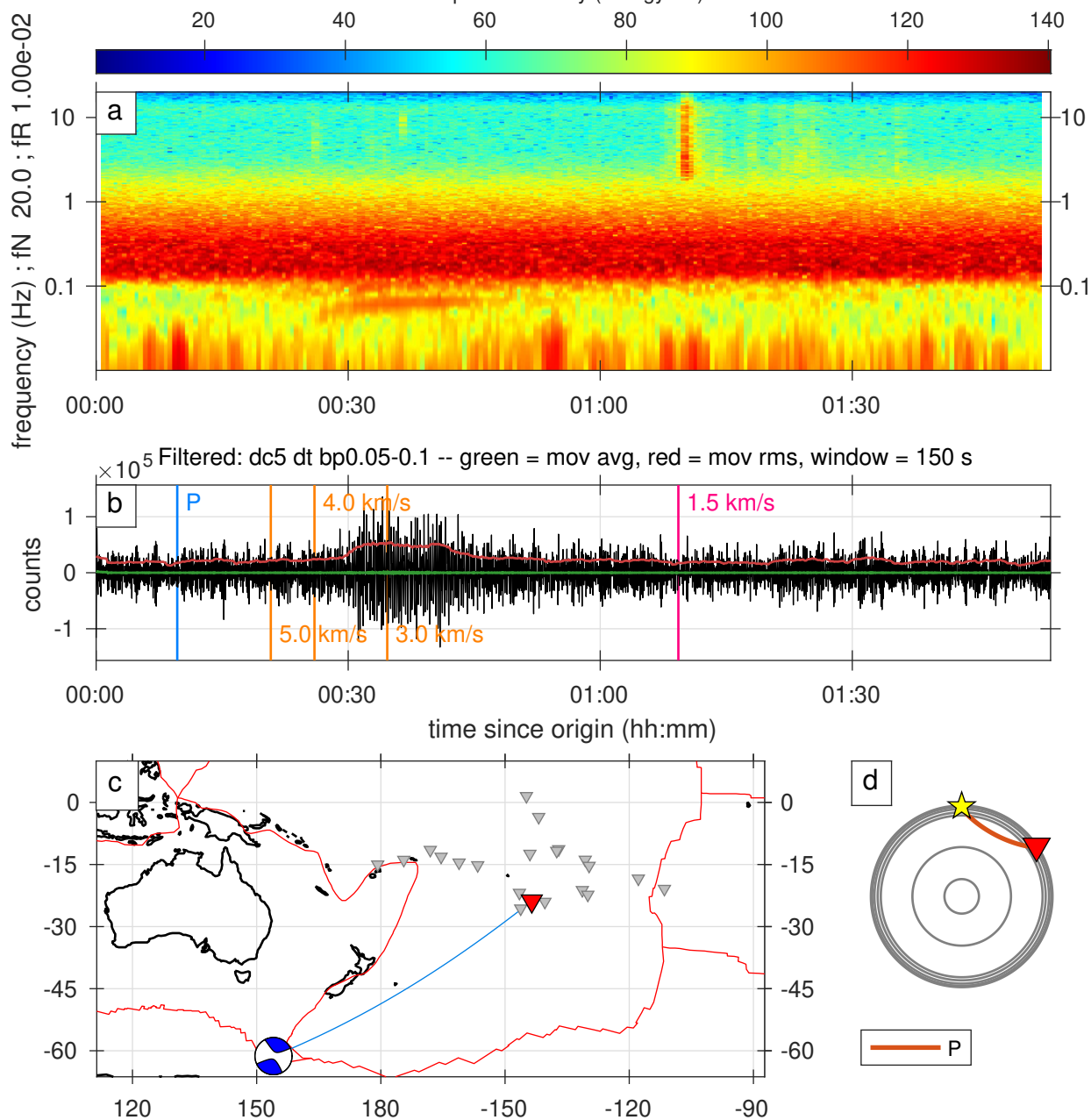


Figure S207. A full record of an earthquake classified as 1star category.

Arrival: 2019-07-27T18:45:00.000000, ID: 11086537

Mww = 6.30, distance = 94.40 degrees, depth = 367.00 km

35.29 - 38.72 percent

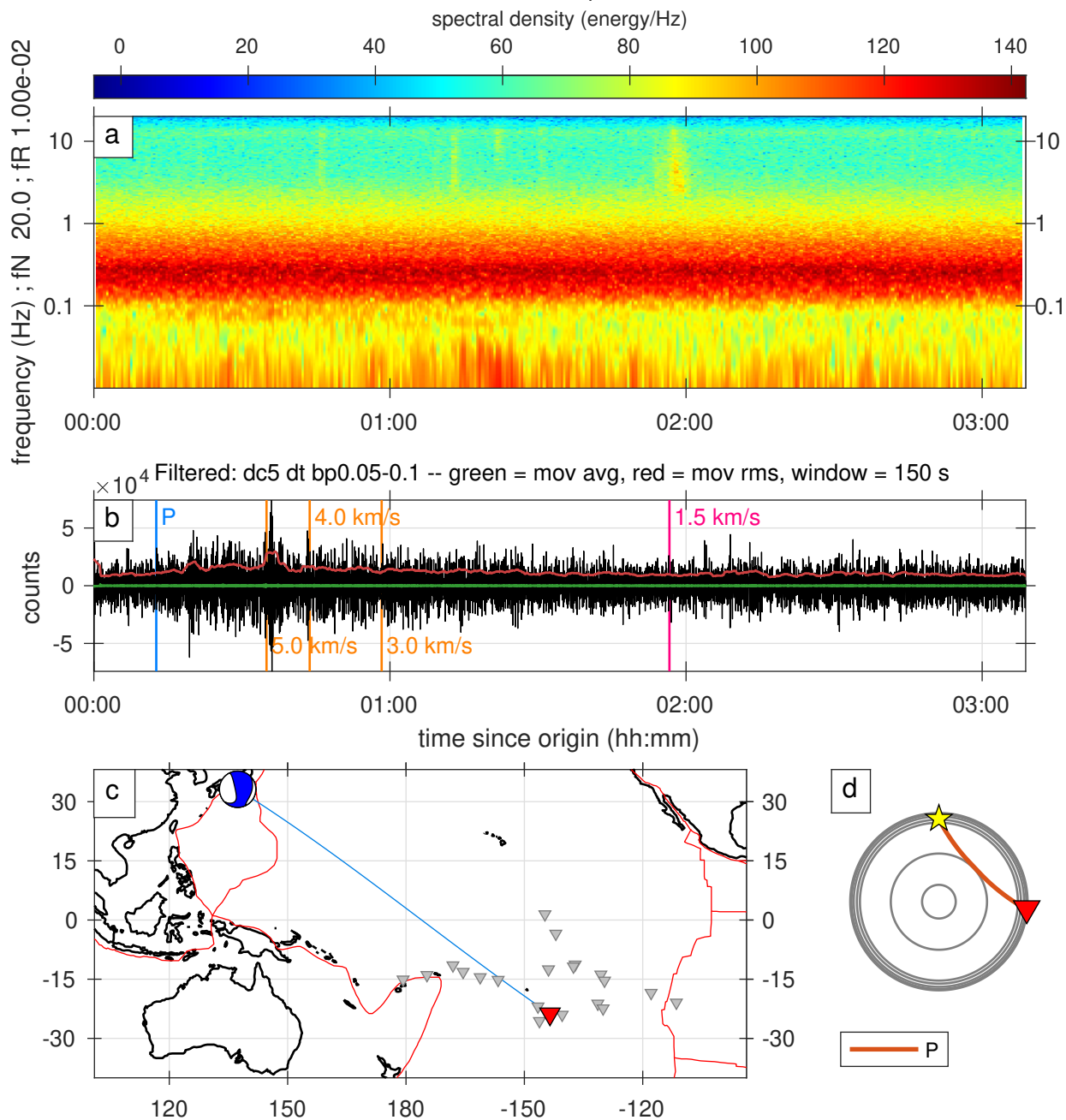


Figure S208. A full record of an earthquake classified as 1star category.

Arrival: 2019-08-02T01:05:36.604521, ID: 11090368

Mww = 5.40, distance = 62.01 degrees, depth = 14.04 km

9.39 - 19.57 percent

spectral density (energy/Hz)

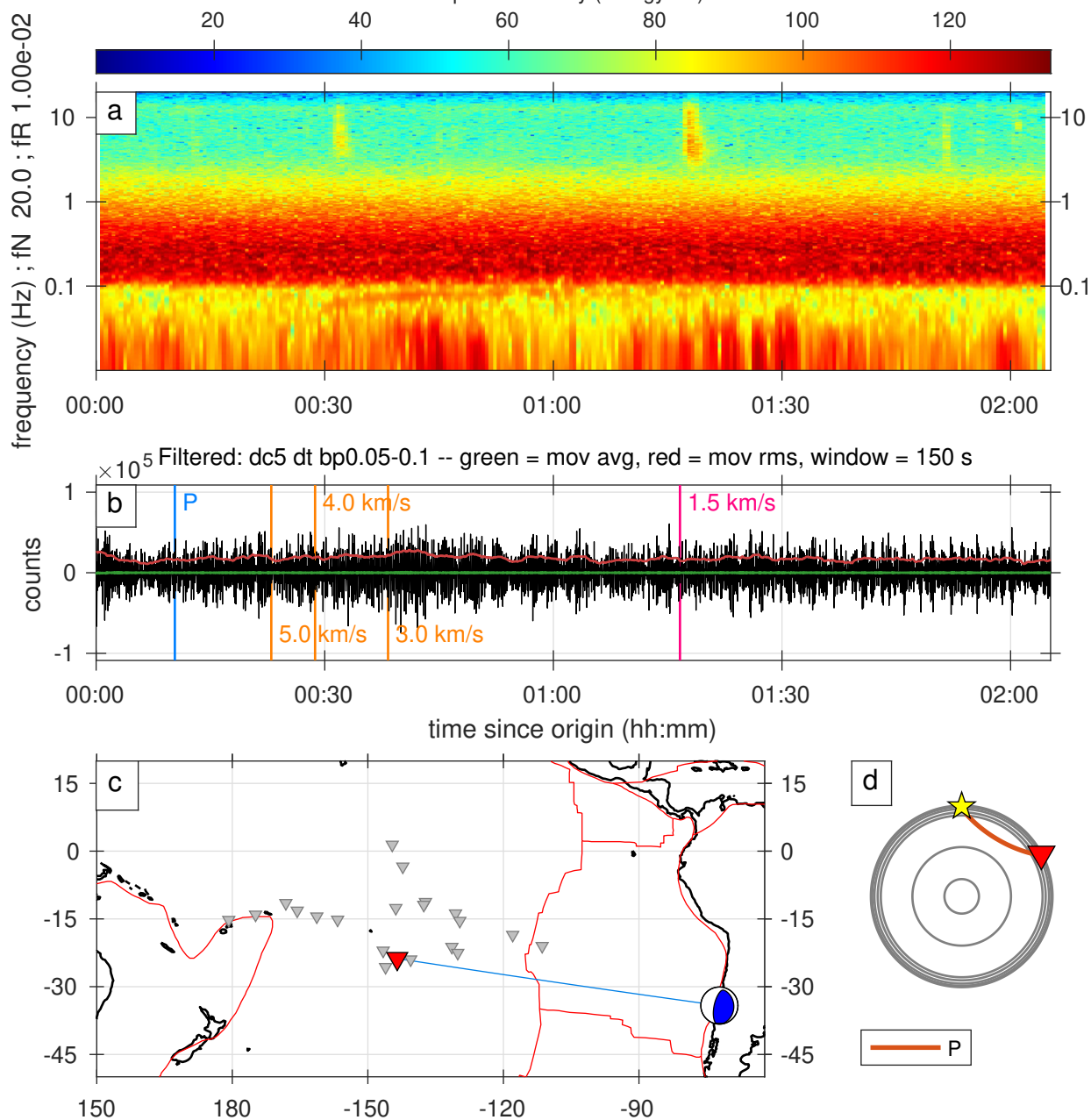


Figure S209. A full record of an earthquake classified as 1star category.

Arrival: 2019-08-06T17:28:23.573093, ID: 11092784

mb = 4.90, distance = 39.00 degrees, depth = 10.00 km

43.97 - 46.32 percent

spectral density (energy/Hz)

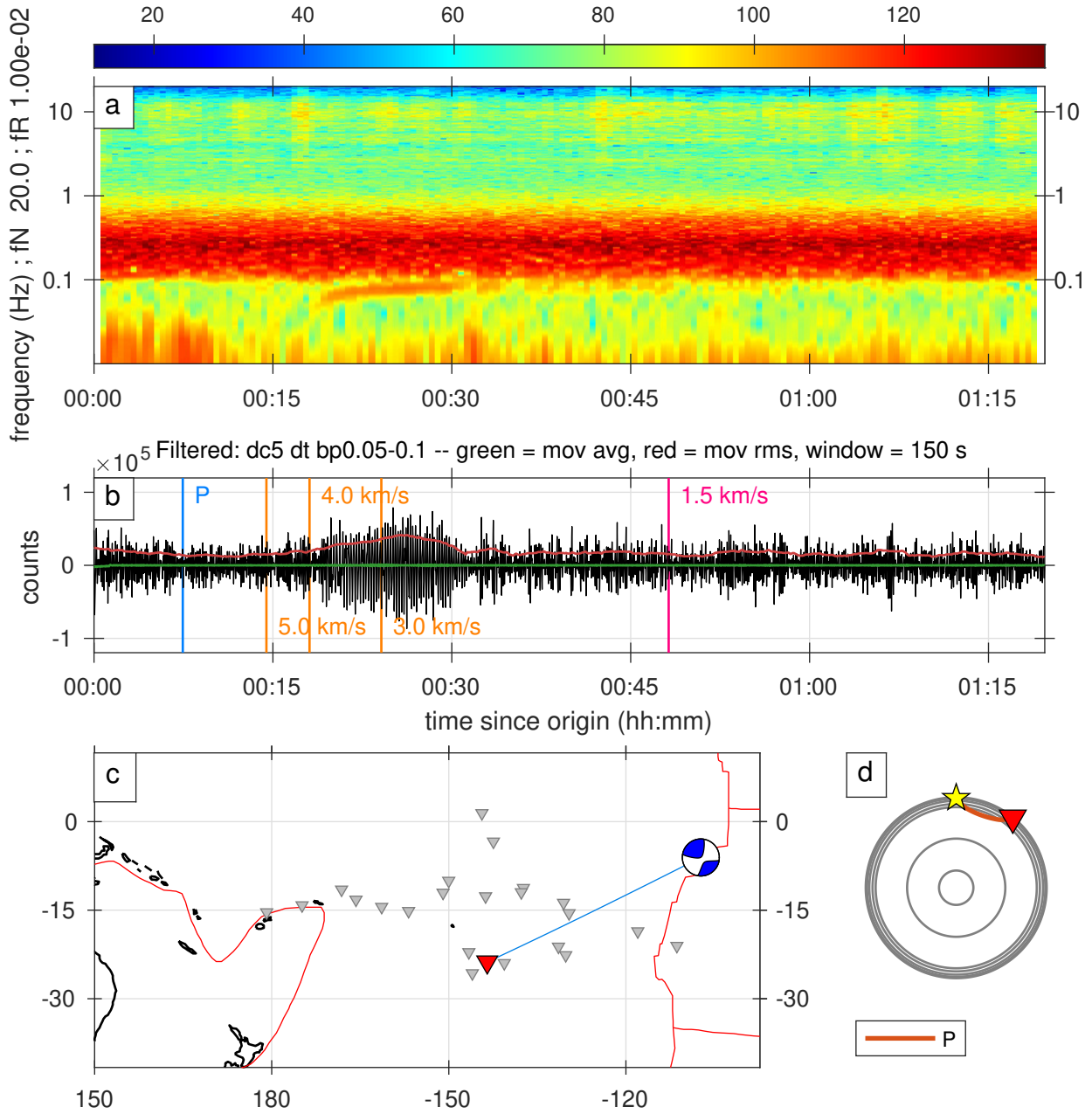


Figure S210. A full record of an earthquake classified as 1star category.

Arrival: 2019-08-06T22:22:00.000000, ID: 11092895

Mww = 5.90, distance = 44.95 degrees, depth = 150.00 km

52.59 - 55.27 percent

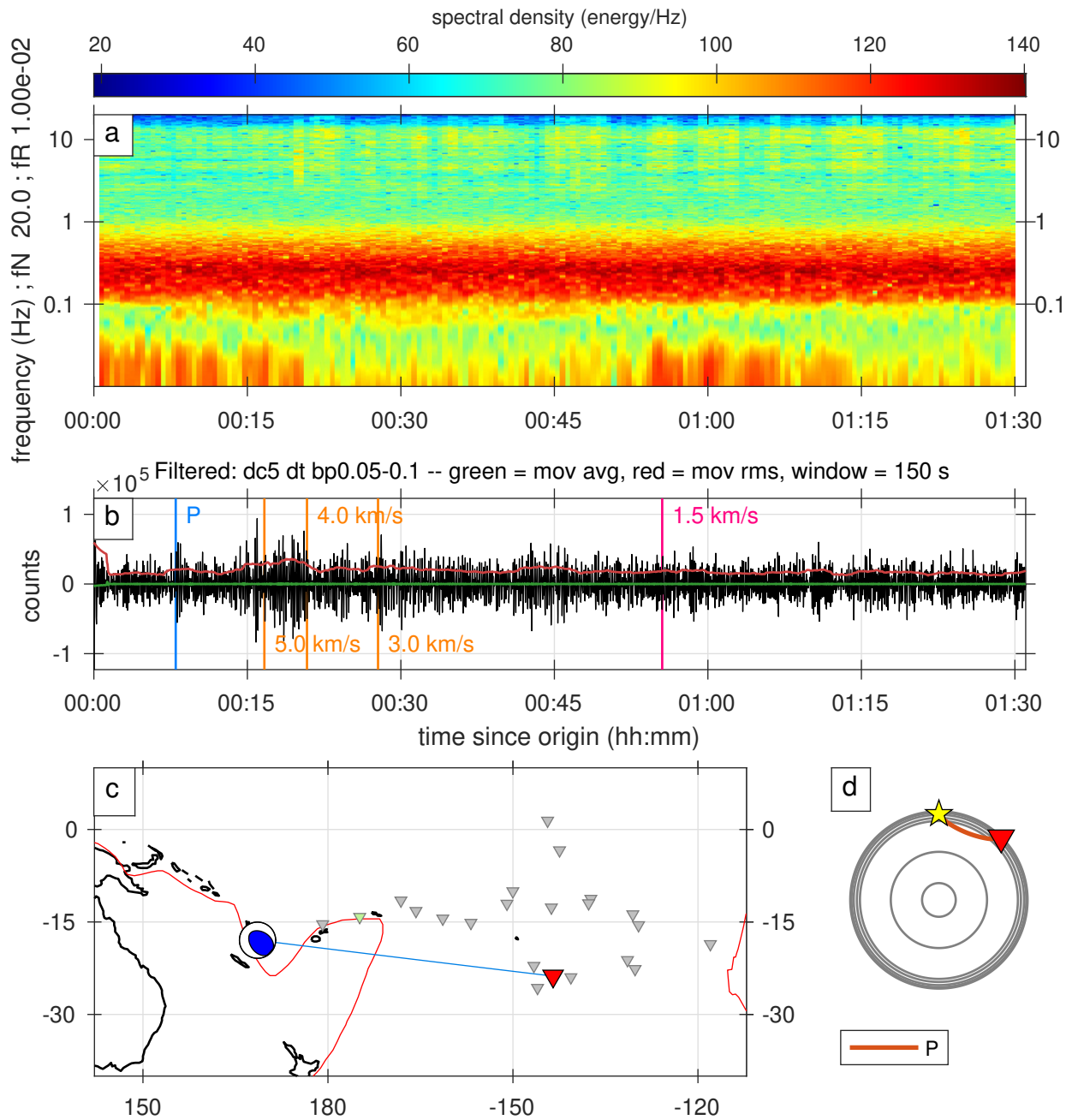


Figure S211. A full record of an earthquake classified as 1star category.

Arrival: 2019-08-07T05:41:40.000000, ID: 11093088

Mww = 5.80, distance = 46.48 degrees, depth = 123.30 km

65.48 - 68.27 percent

spectral density (energy/Hz)

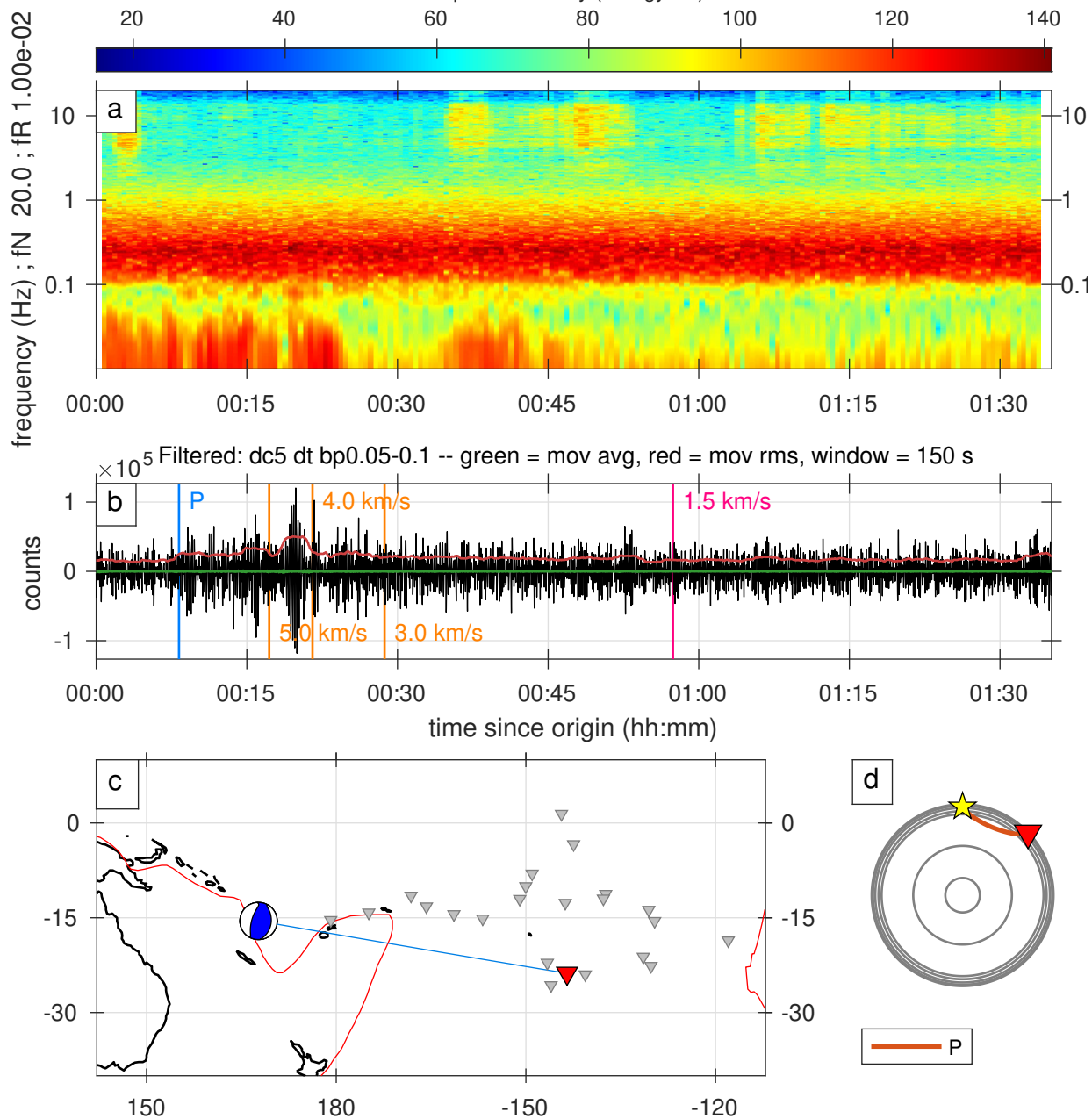


Figure S212. A full record of an earthquake classified as 1star category.

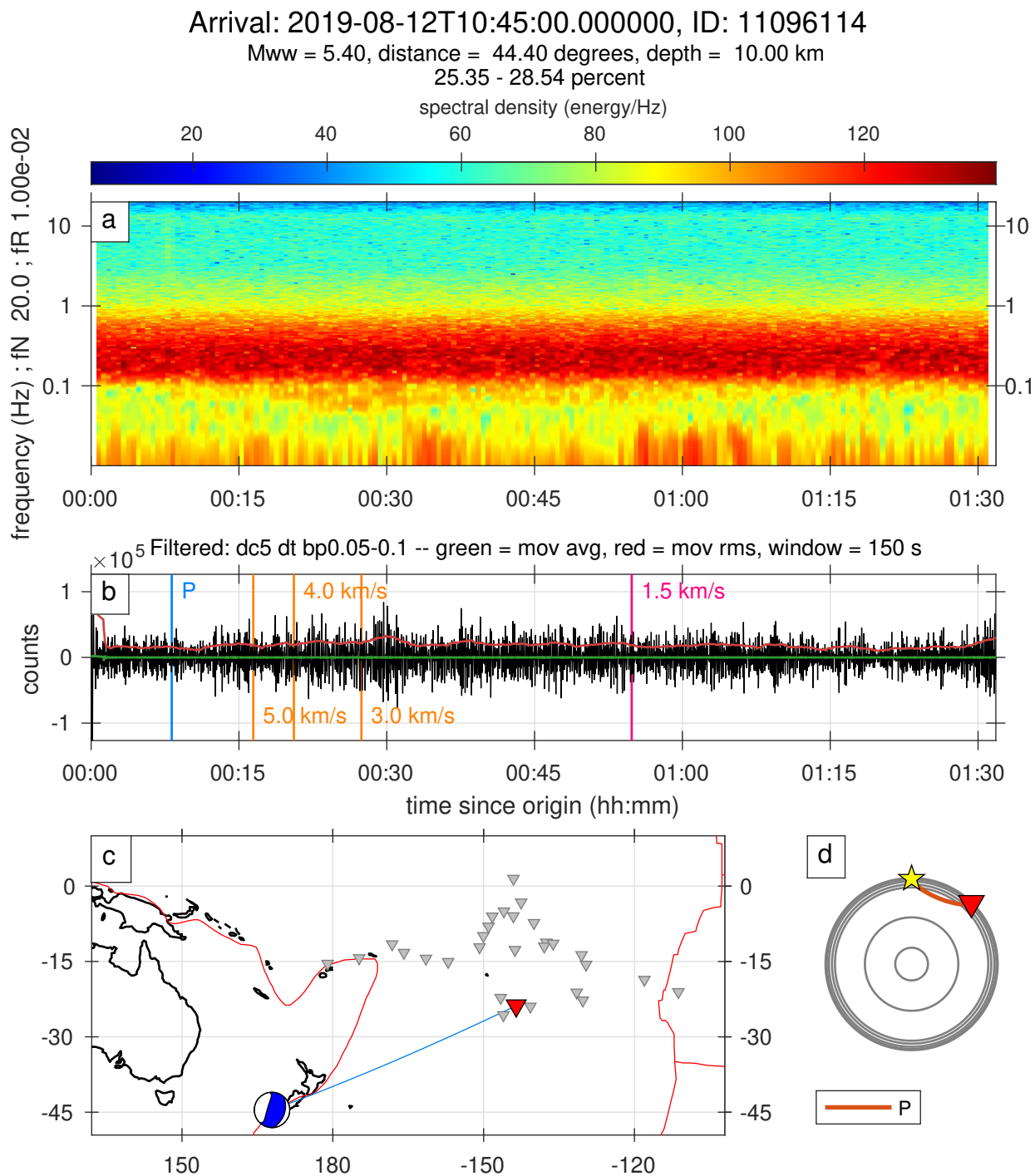


Figure S213. A full record of an earthquake classified as 1star category.