

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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Waveform Catalog
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by

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1985

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

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time, and epicentral distance, Δ , in degrees. The start time is chosen to be about 15 seconds before the earliest theoretical arrival time of interest (P, Pdiff, or PKPdiff, depending on distance). The vertical scale is in microns of ground displacement at the dominant period of the instrument response, which is taken to be 1 second. Each page of waveforms is titled with the event origin date-time, the Flinn-Engdahl region name, and the component identifier (SPZ, LPZ or IPZ). Also, the depth of the event (h) in kilometers and its average body (m_b) and vertical surface wave (M_{SZ}) magnitudes are shown for convenience.

Following the short-period waveforms (SPZ), long-period vertical (LPZ) and finally intermediate-period vertical (IPZ) waveforms are shown. In each case, the format is the same as for the short-period waveforms. Fifty minutes of long-period data are shown beginning 1 minute before the theoretical first arrival, and the dominant period is taken to be 25 seconds. Four minutes of intermediate-period data are shown beginning 30 seconds before the theoretical first arrival, and the dominant period is assumed to be 1 second. Because (1) the event detection algorithm is not perfect, (2) only about half of the available stations have intermediate-period channels, and (3) one station (GAC) has no short-period recordings, it is not uncommon for stations with good long-period recordings to have no intermediate-period and perhaps no short-period recordings at all.

With the inclusion of the Network of Autonomously Registering Stations (NARS) in September 1985, it was difficult to list the name of each station in the network on the station coverage map because of their close proximity. Instead, a new symbol (\square) will be used to denote each station of the network, with the name NARS. When other networks are included with stations situated close together, a new symbol will be used to denote each station of each network. The name used will be the network name only.

Table 1. Earthquakes for September 1985 with magnitudes ≥ 5.5

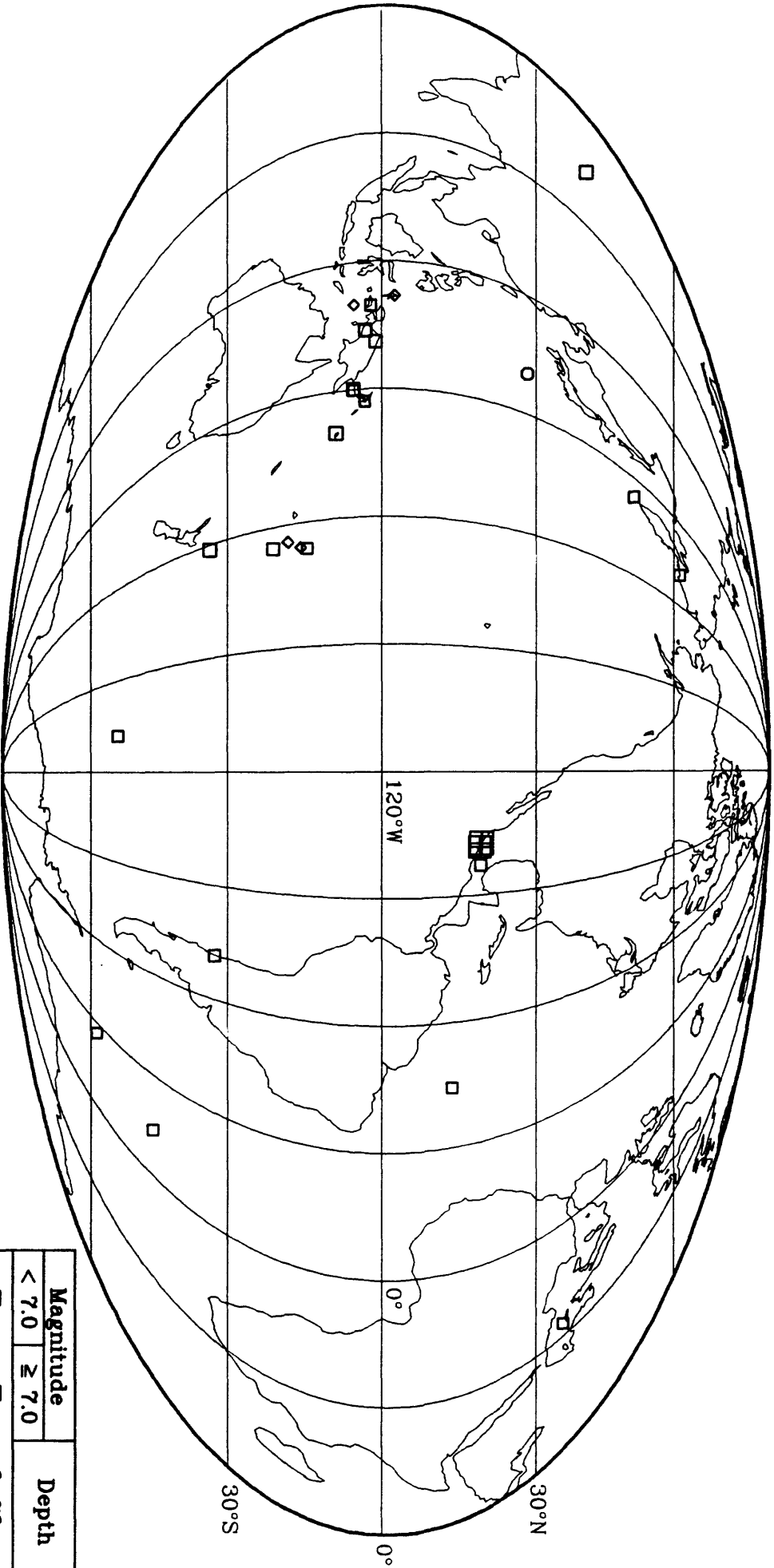
	Origin Time		Latitude	Longitude	Depth (km)	Magnitude		Flinn-Engdahl Region Name
	UTC	UTG				m_b	M_{s2}	
1.	1985 09 03	23:32:47.60	1.417° N	128.124° E	115.9	5.7	5.7	Halmahera
2.	1985 09 07	00:22:01.03	3.120° S	130.388° E	27.9	5.7	5.6	Ceram
3.	1985 09 07	04:40:32.28	3.185° S	130.323° E	46.4	5.5	5.4	Ceram
4.	1985 09 07	05:00:47.36	59.565° S	26.125° W	33.0	5.5	5.5	South Sandwich Islands Region
5.	1985 09 07	22:59:34.28	4.270° S	152.930° E	60.7	5.5	5.5	New Britain Region
6.	1985 09 10	01:26:06.90	60.421° N	168.835° E	33.0	5.6	4.4	Eastern Siberia
7.	1985 09 10	04:07:50.18	6.450° S	149.888° E	33.0	5.7	6.3	New Britain Region
8.	1985 09 10	06:39:01.45	27.209° N	139.810° E	499.1	5.8	5.8	Bonin Islands Region
9.	1985 09 10	11:52:57.00	6.412° S	150.115° E	36.6	5.6	5.1	New Britain Region
10.	1985 09 11	17:47:35.72	15.376° S	173.598° W	68.8	5.7	5.7	Tonga Islands
11.	1985 09 11	18:23:02.94	54.468° S	131.861° W	10.0	5.3	5.5	South Pacific Cordillera
12.	1985 09 11	20:26:49.73	2.211° S	138.895° E	33.0	5.1	6.3	West Irian
13.	1985 09 11	20:45:51.79	39.328° N	75.416° E	33.0	5.8	6.6	Southern Xinjiang, China
14.	1985 09 15	01:29:22.96	4.170° S	136.231° E	10.0	5.6	6.3	West Irian Region
15.	1985 09 15	02:42:54.48	4.170° S	136.106° E	10.0	5.8	6.3	West Irian Region
16.	1985 09 15	07:57:53.79	17.975° N	97.183° W	67.1	5.9		Oaxaca, Mexico
17.	1985 09 15	11:25:08.23	19.105° S	175.812° W	282.0	5.7		Tonga Islands
18.	1985 09 15	17:31:01.37	16.664° S	174.049° W	85.0	5.7		Tonga Islands
19.	1985 09 18	01:27:17.83	49.641° N	155.809° E	57.4	5.5		Kuril Islands
20.	1985 09 19	13:17:47.89	18.182° N	102.573° W	33.0	7.0	8.1	Michoacan, Mexico
21.	1985 09 21	01:37:13.81	17.823° N	101.671° W	33.0	6.3	7.5	Near Coast of Guerrero, Mexico
22.	1985 09 21	10:54:44.58	46.712° S	13.519° W	10.0	5.5	5.5	South Atlantic Ridge
23.	1985 09 22	18:23:12.20	12.494° N	44.327° W	10.0	5.7	5.5	North Atlantic Ridge
24.	1985 09 24	20:28:51.81	6.387° S	130.042° E	140.4	5.7		Banda Sea
25.	1985 09 26	07:27:48.98	34.627° S	178.694° W	33.0	6.5	6.9	South of Kermadec Islands
26.	1985 09 26	08:33:27.17	33.638° S	71.635° W	47.2	5.6	5.7	Near Coast of Central Chile
27.	1985 09 27	03:39:08.27	9.805° S	159.844° E	29.6	6.3	6.9	Solomon Islands
28.	1985 09 27	10:10:19.62	21.944° S	174.804° W	33.0	5.8		Tonga Islands
29.	1985 09 27	16:39:48.67	34.507° N	26.588° E	58.7	5.5		Crete

Table 2. Current network-event tape station list

Code	ID	Station	Latitude	Longitude	Elevation (m)	Type*
AFI	69	Afiamalu, Western Samoa	13.91° S	171.78° W	706.0	DWWSSN
ANMO	30	Albuquerque, New Mexico	34.95° N	106.46° W	1740.0	SRO
ANTO	31	Ankara, Turkey	39.87° N	32.79° E	883.0	SRO
BCAO	37	Bangui, Central African Republic	4.43° N	18.54° E	336.0	SRO
BDF	72	Brasilia, Brazil	15.66° S	47.90° W	1500.0	DWWSSN
CHTO	33	Chiang Mai, Thailand	18.79° N	98.98° E	316.0	SRO
COL	62	College, Alaska	64.90° N	147.79° W	320.0	DWWSSN
CTAO	50	Charters Towers, Australia	20.09° S	146.25° E	357.0	ASRO
GAC	43	Glen Almond, Quebec, Canada	45.70° N	75.48° W	620.0	SRO
GDH	70	Godhavn, Greenland	69.25° N	53.53° W	23.0	DWWSSN
GRA1	302	Haidhof, Germany	49.69° N	11.22° E	500.0	GRF
GRFO	39	Graefenberg, Germany	49.69° N	11.22° E	500.0	SRO
GUMO	35	Guam, Mariana Islands	13.59° N	144.87° E	14.0	SRO
HON	66	Honolulu, Hawaii	21.32° N	158.01° W	2.0	DWWSSN
JAS1	64	Jamestown, California	37.93° N	120.42° W	425.0	DWWSSN
KEV	67	Kevo, Finland	69.76° N	27.01° E	80.0	DWWSSN
KONO	54	Kongsberg, Norway	59.65° N	9.60° E	216.0	ASRO
LEM	76	Lembang, Indonesia	6.83° S	107.62° E	1247.0	DWWSSN
LON	63	Longmire, Washington	46.75° N	121.81° W	854.0	DWWSSN
MAJO	53	Matsushiro, Japan	36.54° N	138.21° E	422.0	ASRO
NE02	202	Monsted, Denmark	56.459° N	9.170° E	60.0	NARS
NE03	203	Logumkloster, Denmark	55.045° N	9.153° E	25.0	NARS
NE04	204	Witteveen, Netherlands	52.813° N	6.668° E	17.0	NARS
NE06	206	Dourbes, Belgium	50.097° N	4.595° E	225.0	NARS
NE07	207	Villiers-Adam, France	49.074° N	2.232° E	70.0	NARS
NE09	209	Les-Eyzies, France	44.852° N	0.981° E	160.0	NARS
NE10	210	Arette, France	43.086° N	0.699° W	480.0	NARS
NE11	211	Ainzon, France	41.814° N	1.517° W	440.0	NARS
NE13	213	Puertollano, Spain	38.685° N	4.091° W	700.0	NARS
NE14	214	Granada, Spain	37.190° N	3.595° W	774.0	NARS
NE15	215	Valkenburg, Netherlands	50.867° N	5.785° E	100.0	NARS
NE16	216	Clermont-Ferand, France	45.763° N	3.103° E	80.0	NARS
NE17	217	Toledo, Spain	39.881° N	4.049° W	480.0	NARS
NRA0	301	NORESS array site A0	60.735° N	11.541° E	302.0	NRSA
NWAO	38	Mundaring (Narrogin), Australia	32.93° S	117.24° E	265.0	SRO
RSCP	81	Cumberland Plateau, Tennessee,	35.60° N	85.57° W	481.0	RSTN
RSNT	82	Yellowknife, Northwest Territories	62.48° N	114.59° W	90.0	RSTN
RSNY	84	Adirondack, New York	44.55° N	74.53° W	351.0	RSTN
RSON	85	Red Lake, Ontario	50.86° N	93.70° W	302.0	RSTN
RSSD	83	Black Hills, South Dakota	44.12° N	104.04° W	1948.0	RSTN
SCP	61	State College, Pennsylvania	40.79° N	77.87° W	352.0	DWWSSN
SLR	71	Silverton, South Africa	25.73° S	28.28° E	1348.0	DWWSSN
SNZO	42	Wellington (South Karori), New Zealand	41.31° S	174.70° E	-12.0	SRO
TATO	41	Taipei, Taiwan	24.98° N	121.49° E	53.0	SRO
TAU	74	Hobart, Tasmania	42.91° S	147.32° E	132.0	DWWSSN
TOL	73	Toledo, Spain	39.88° N	4.05° W	480.0	DWWSSN
ZOBO	51	La Paz (Zongo), Bolivia	16.27° S	68.13° W	4450.0	ASRO

- ASRO - Abbreviated Seismic Research Observatory
- DWSSN - Digital World Wide Standardized Seismograph Network
- GRF - Graefenberg Array
- NARS - Network of Autonomously Registrating Stations
- NRSA - Norwegian Regional Seismic Array
- RSTN - Regional Seismic Test Network
- SRO - Seismic Research Observatory

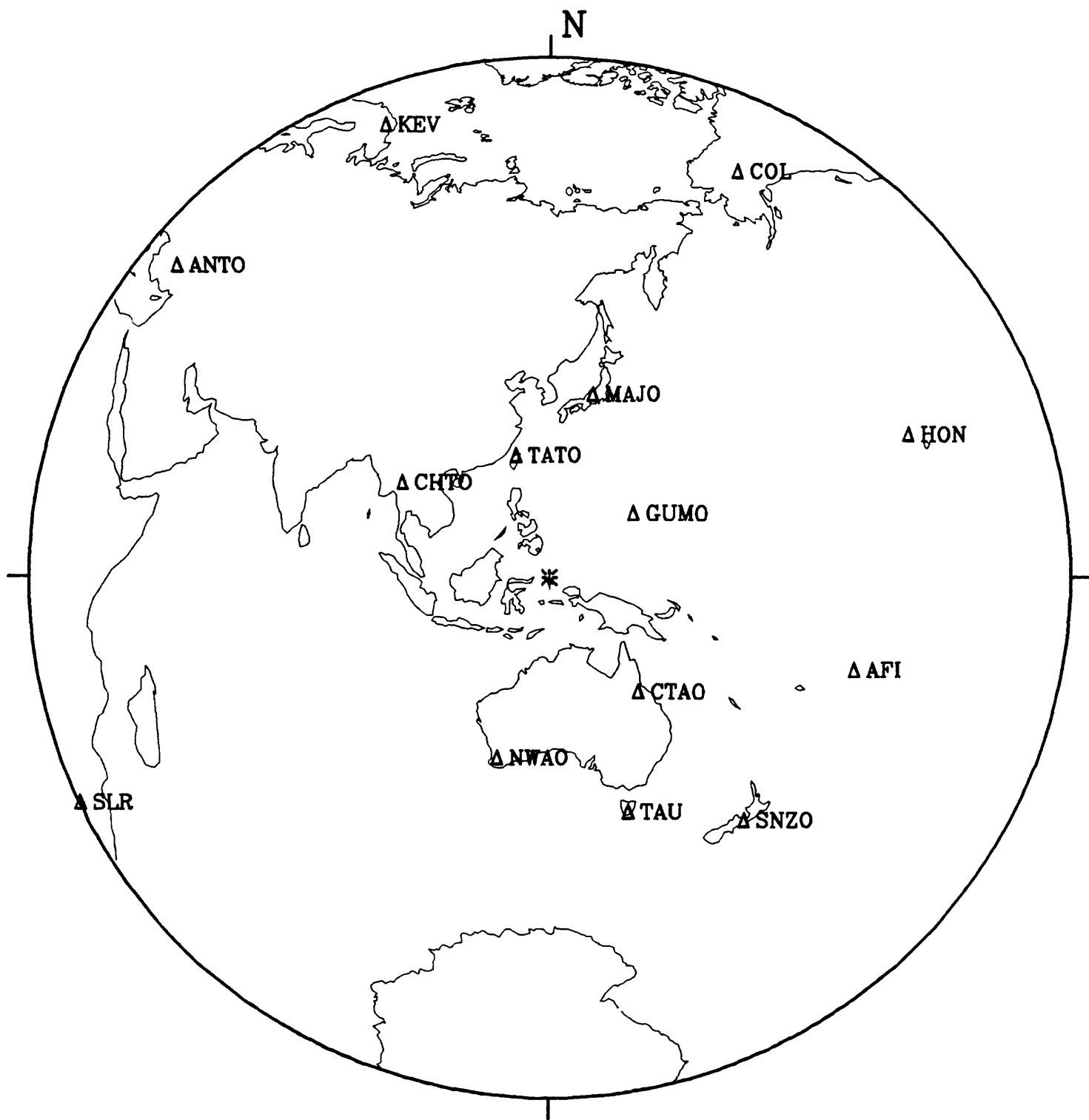
EARTHQUAKES - September 1985 - MAGNITUDE ≥ 5.5

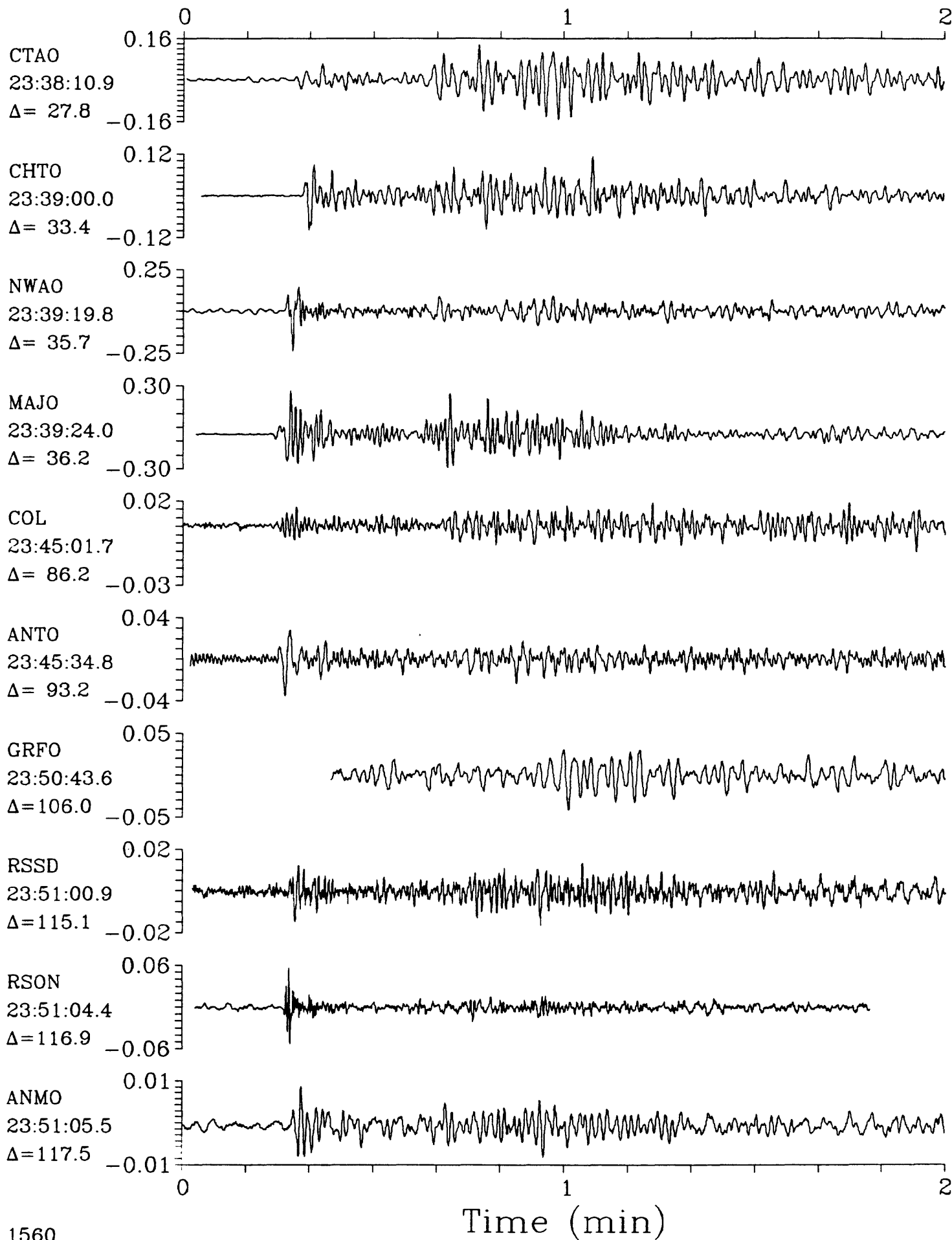


Magnitude		Depth
< 7.0	≥ 7.0	0-70
□	⊞	71-300
◇	⊠	301-800
○	⊕	

03 September 1985 23:32:47.60

Halmahera



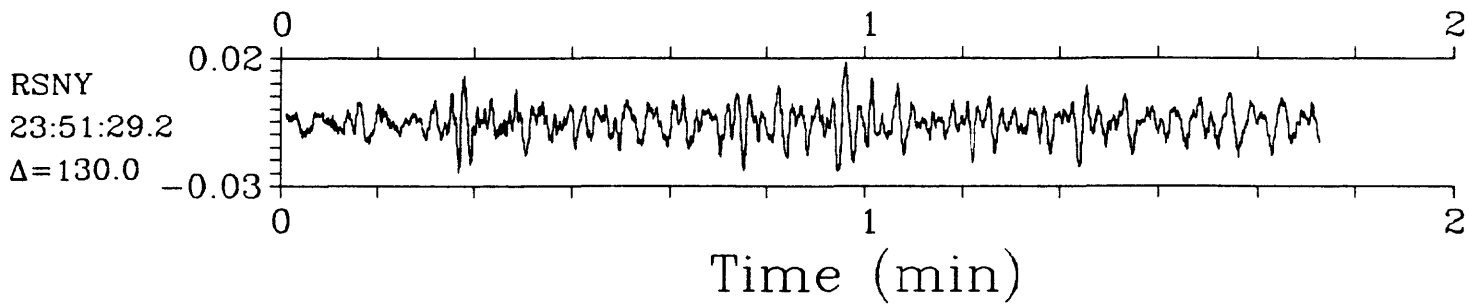


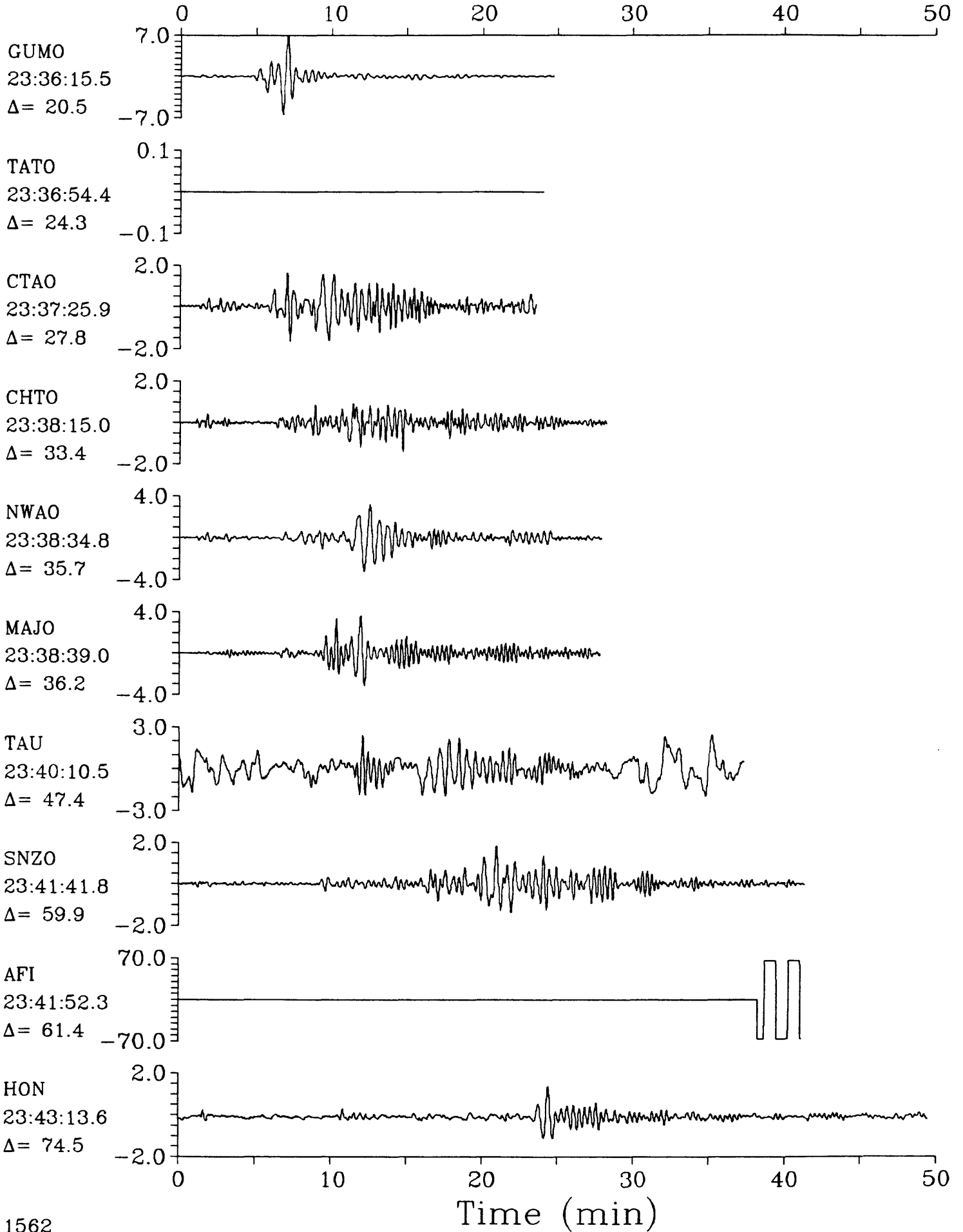
SPZ

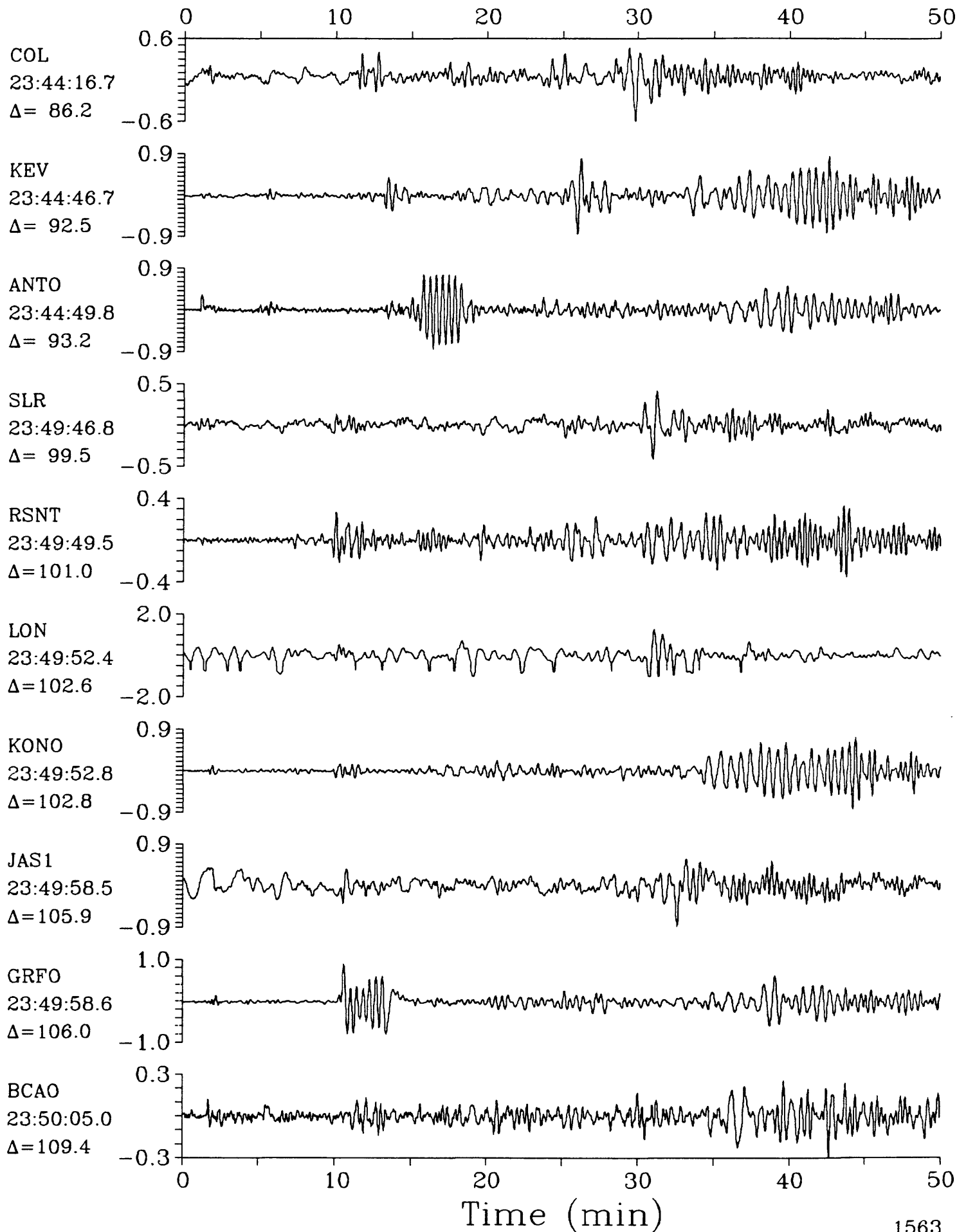
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SPZ

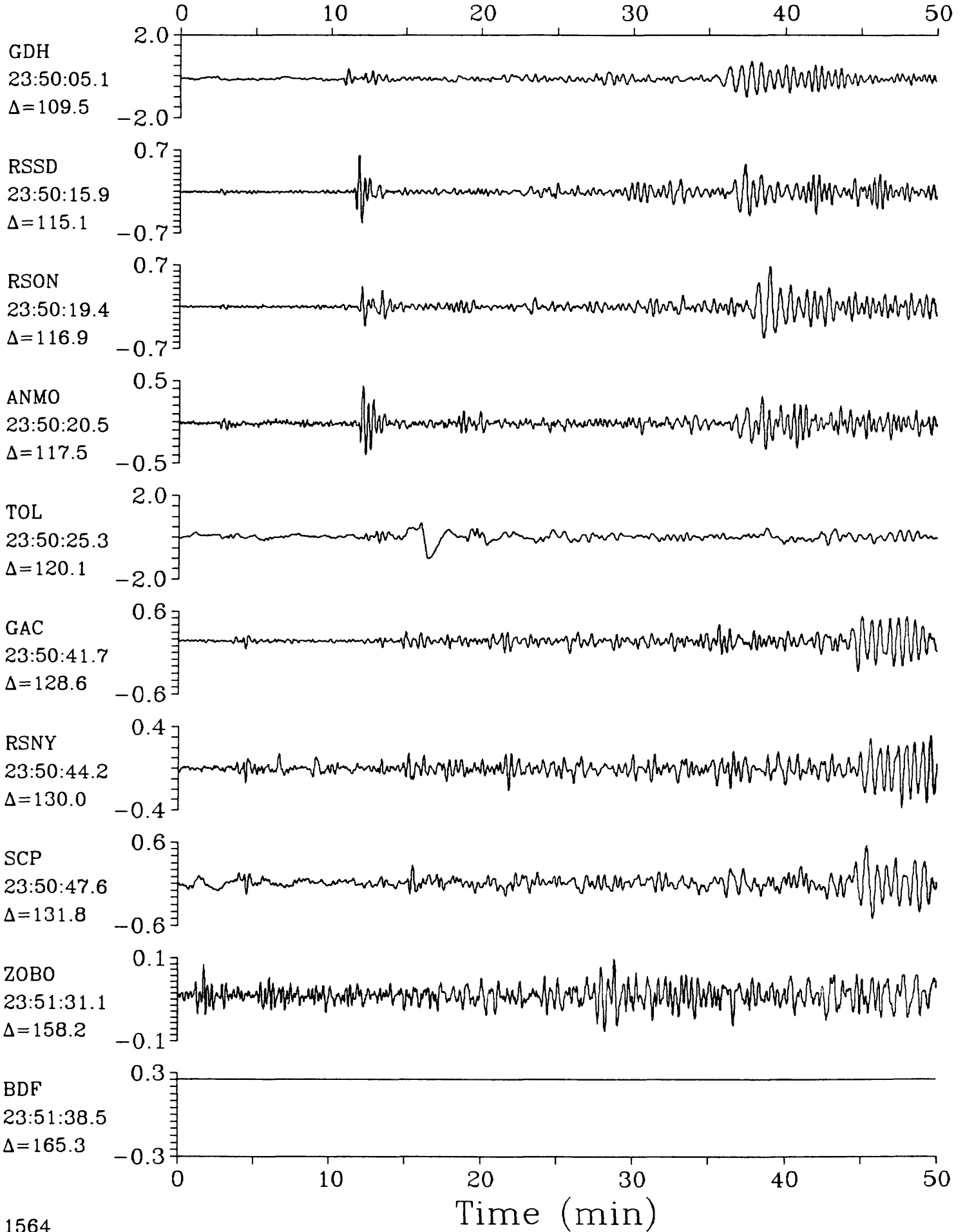
Halmahera $h=115.9$ $m_b=5.7$





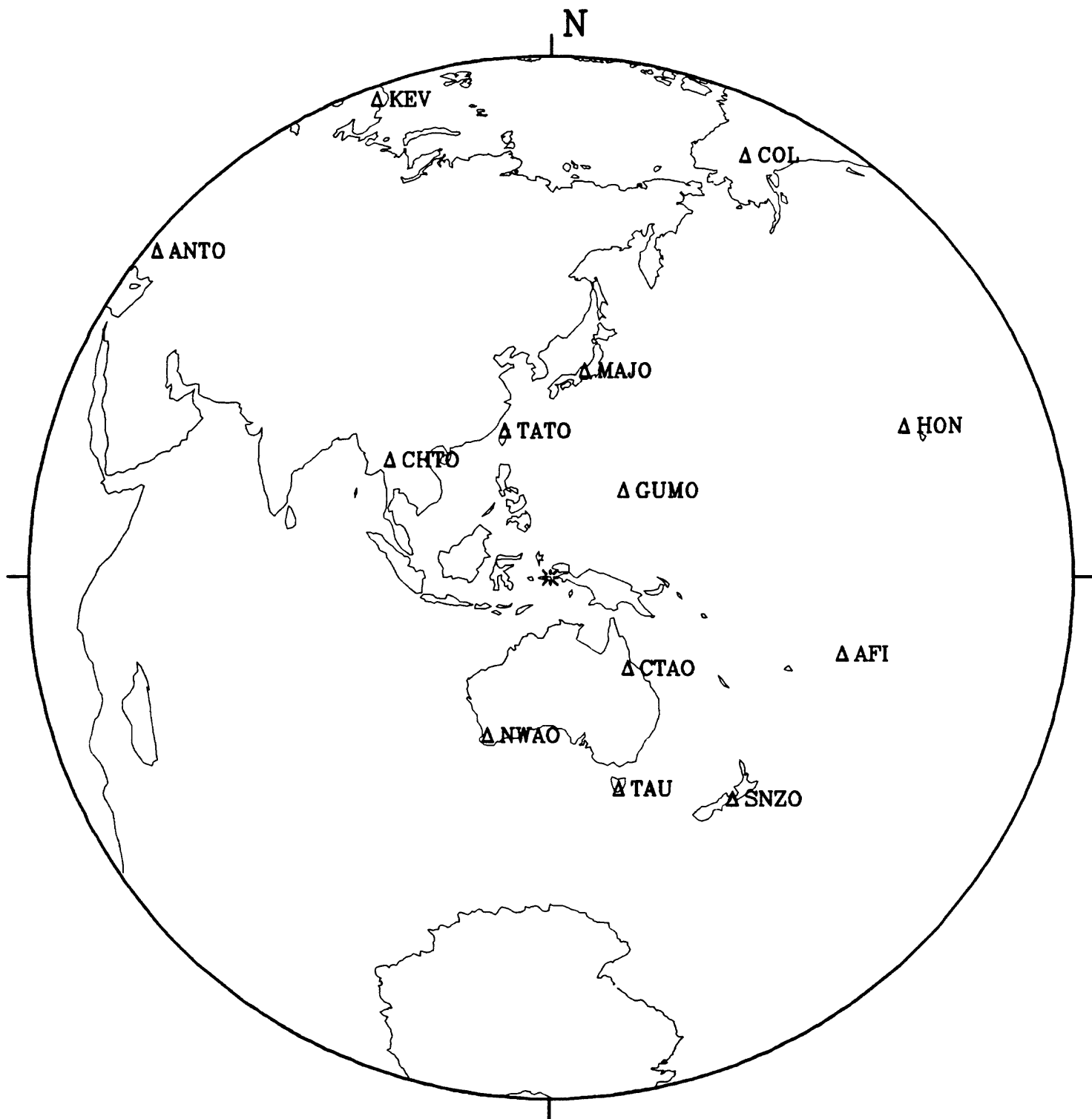


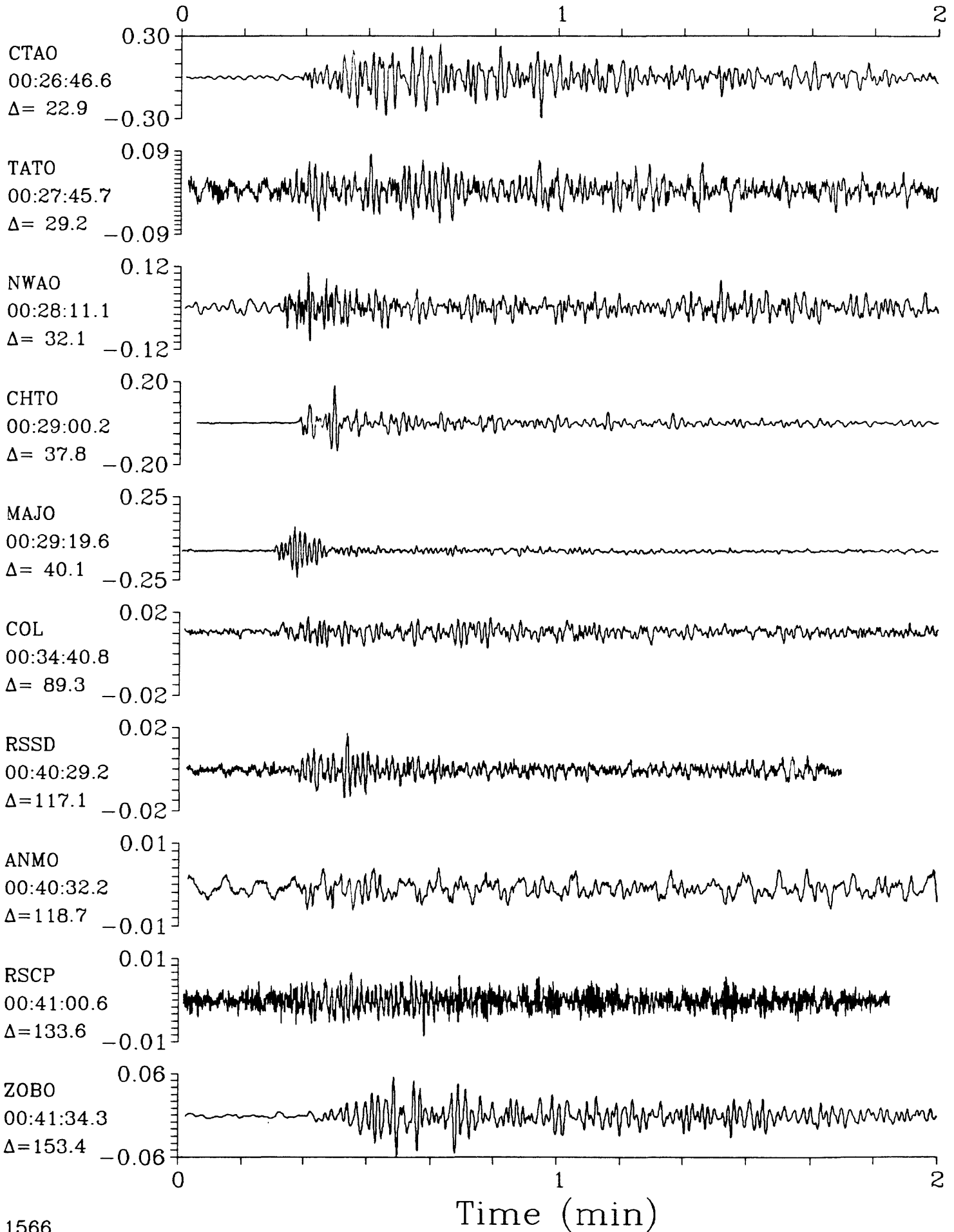
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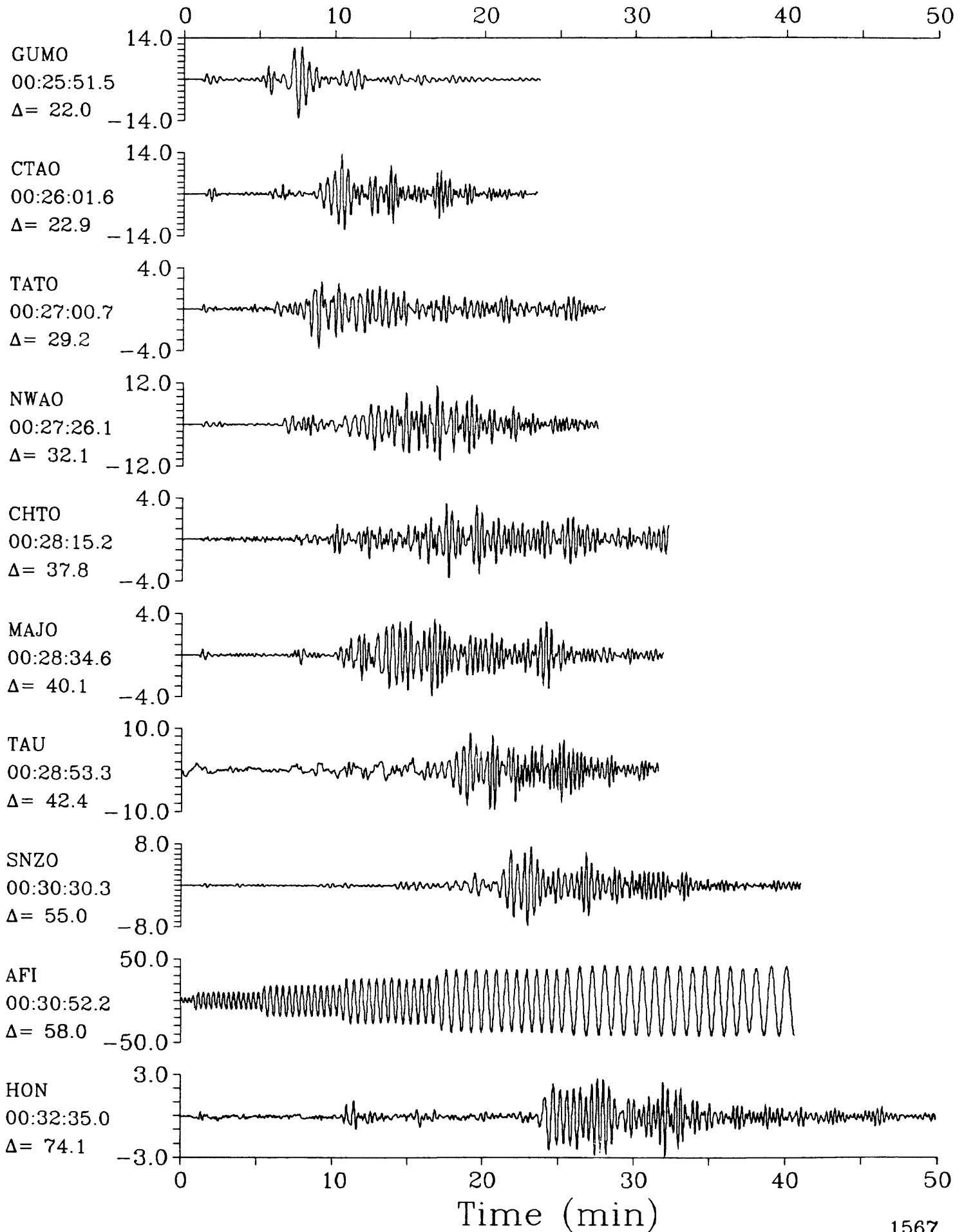


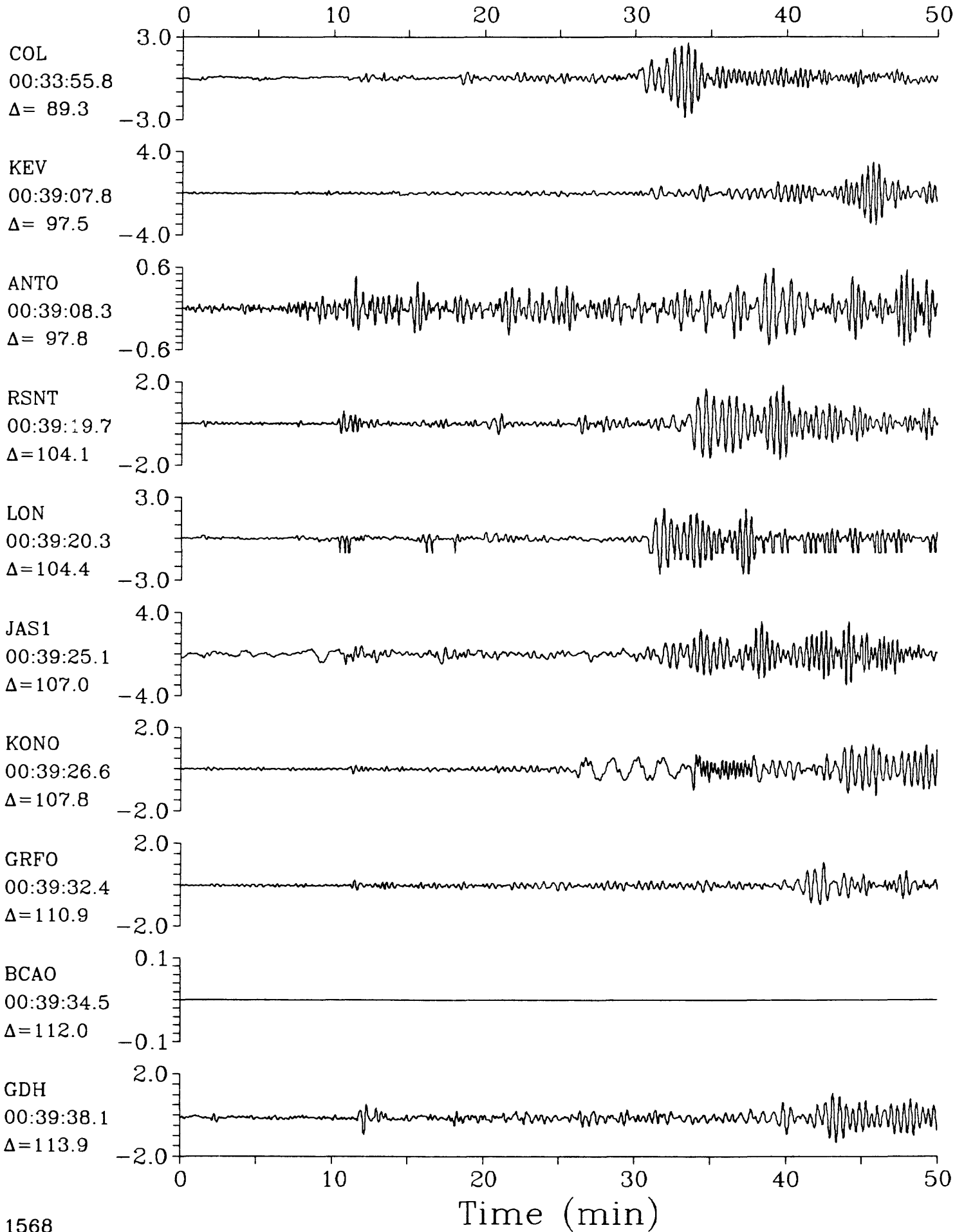
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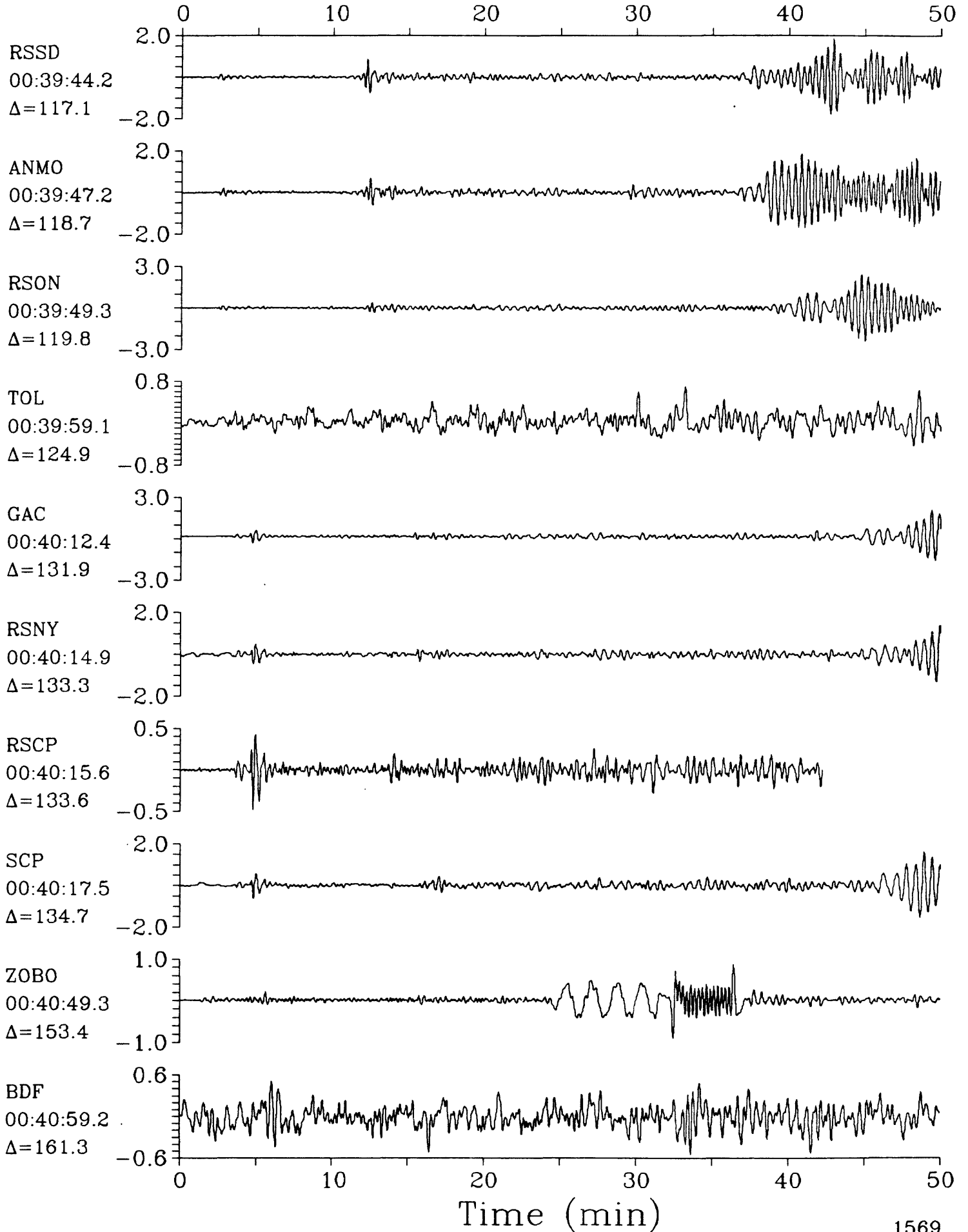
Ceram





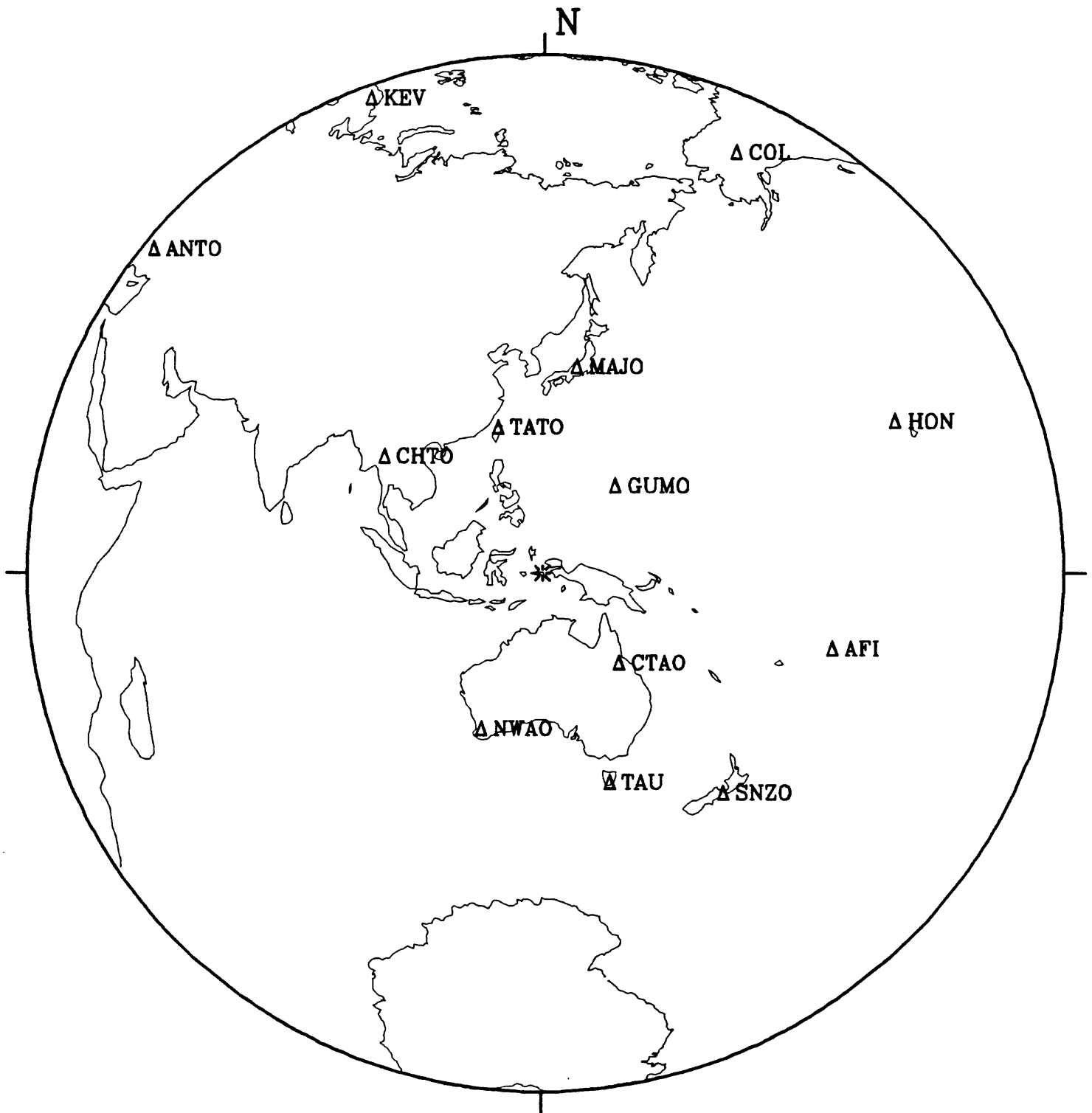
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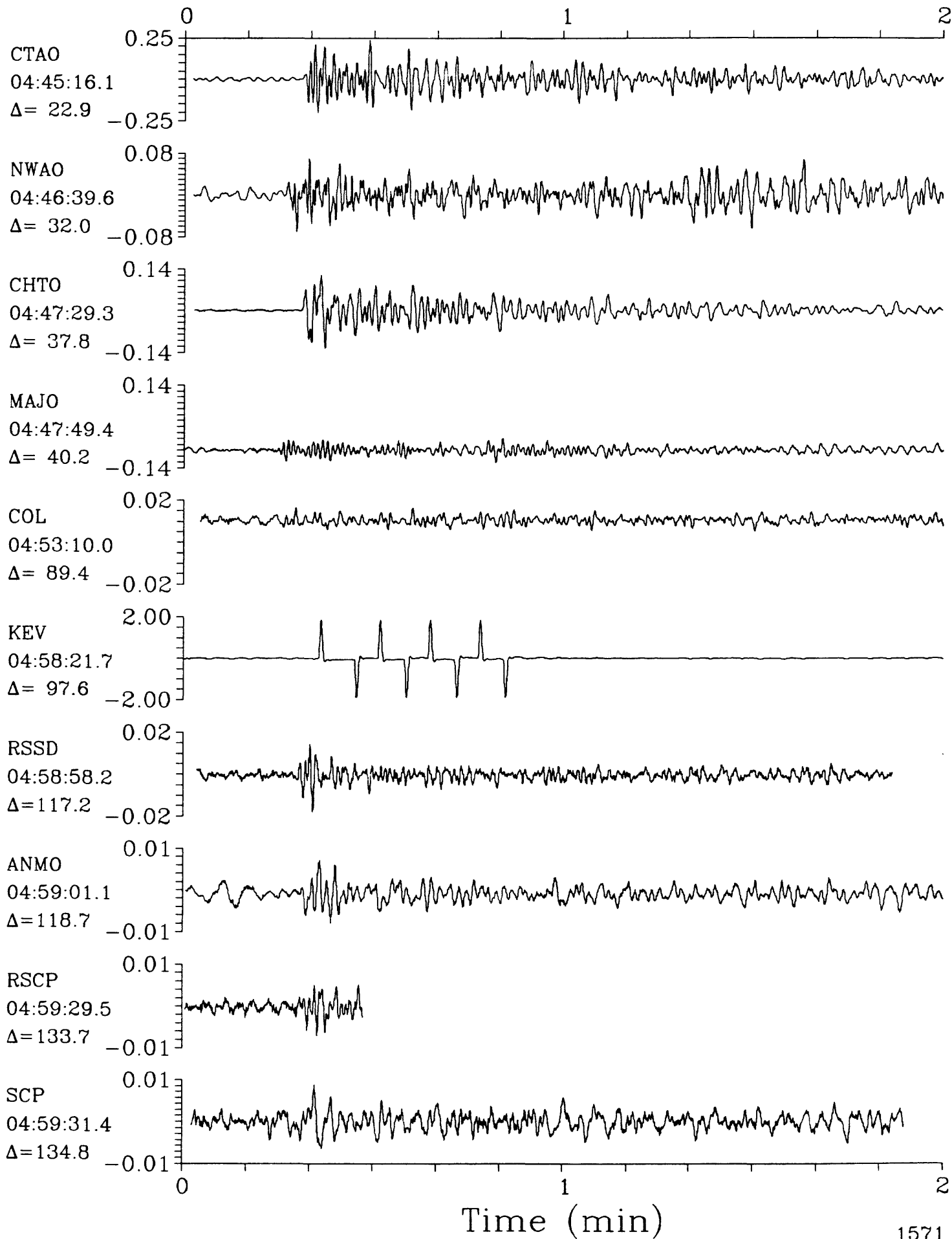




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Ceram

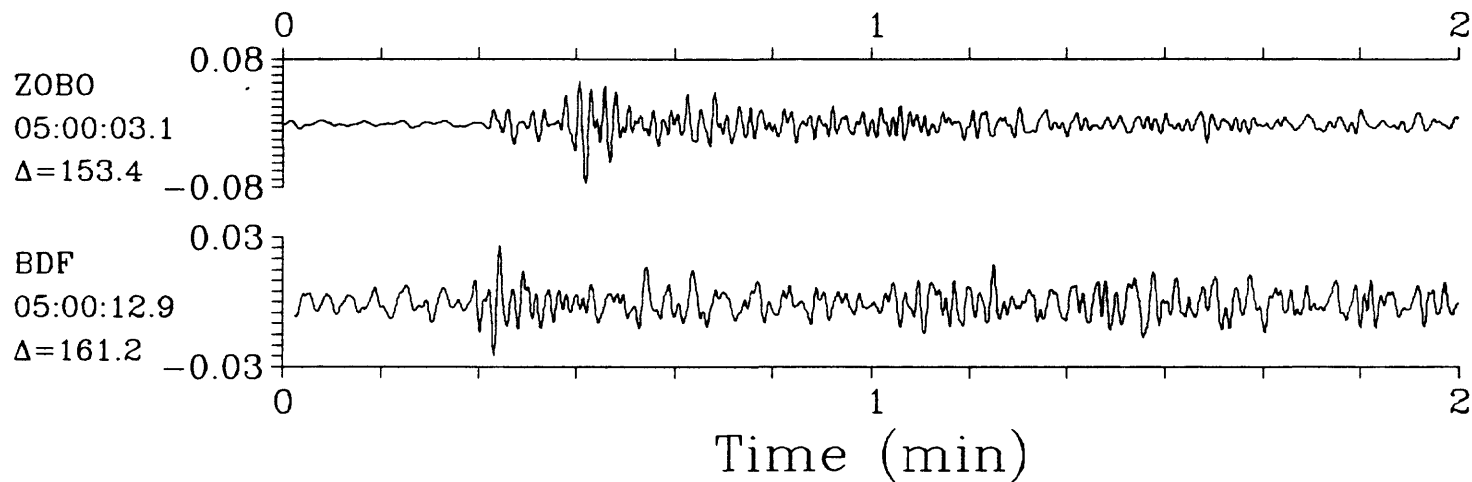


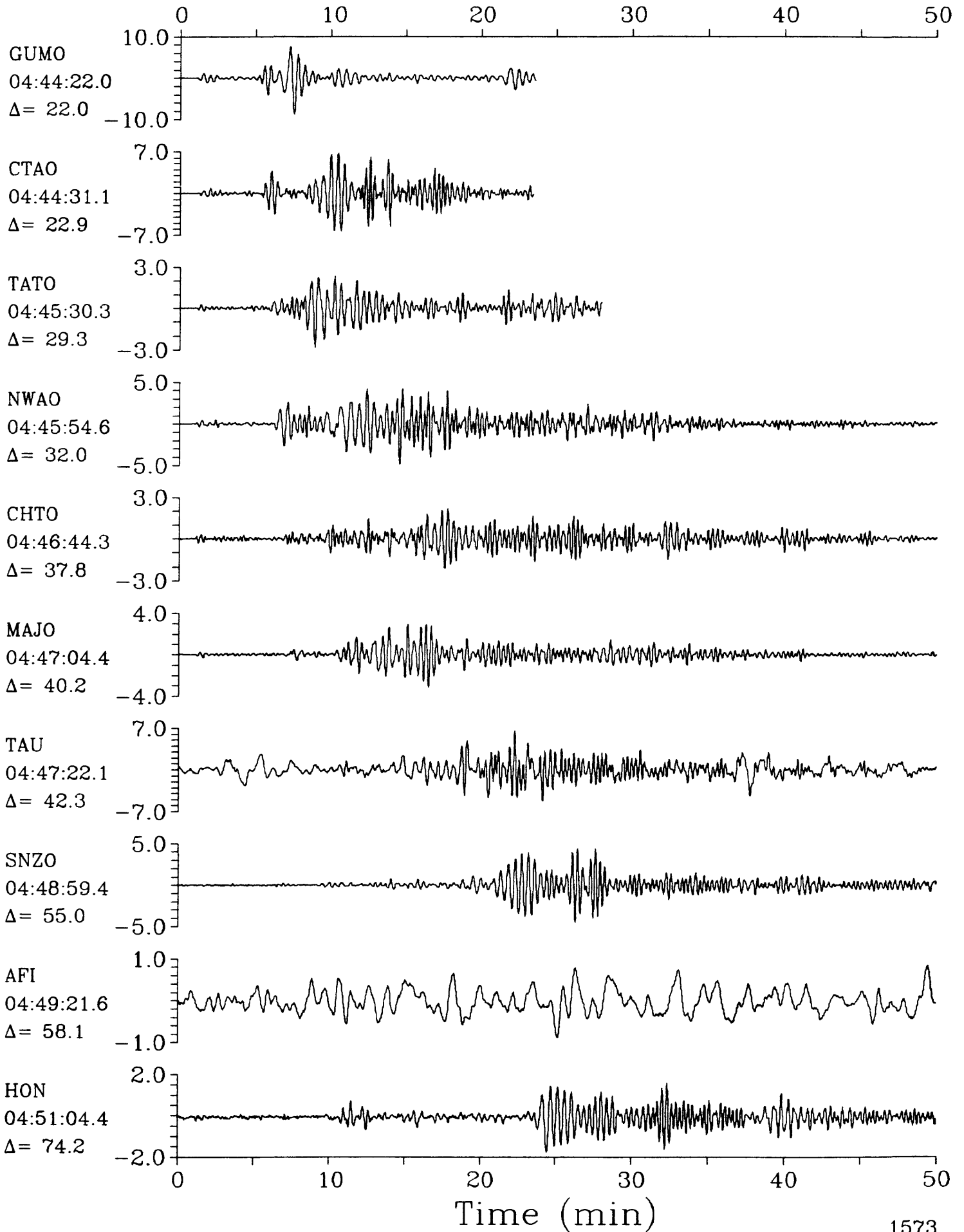


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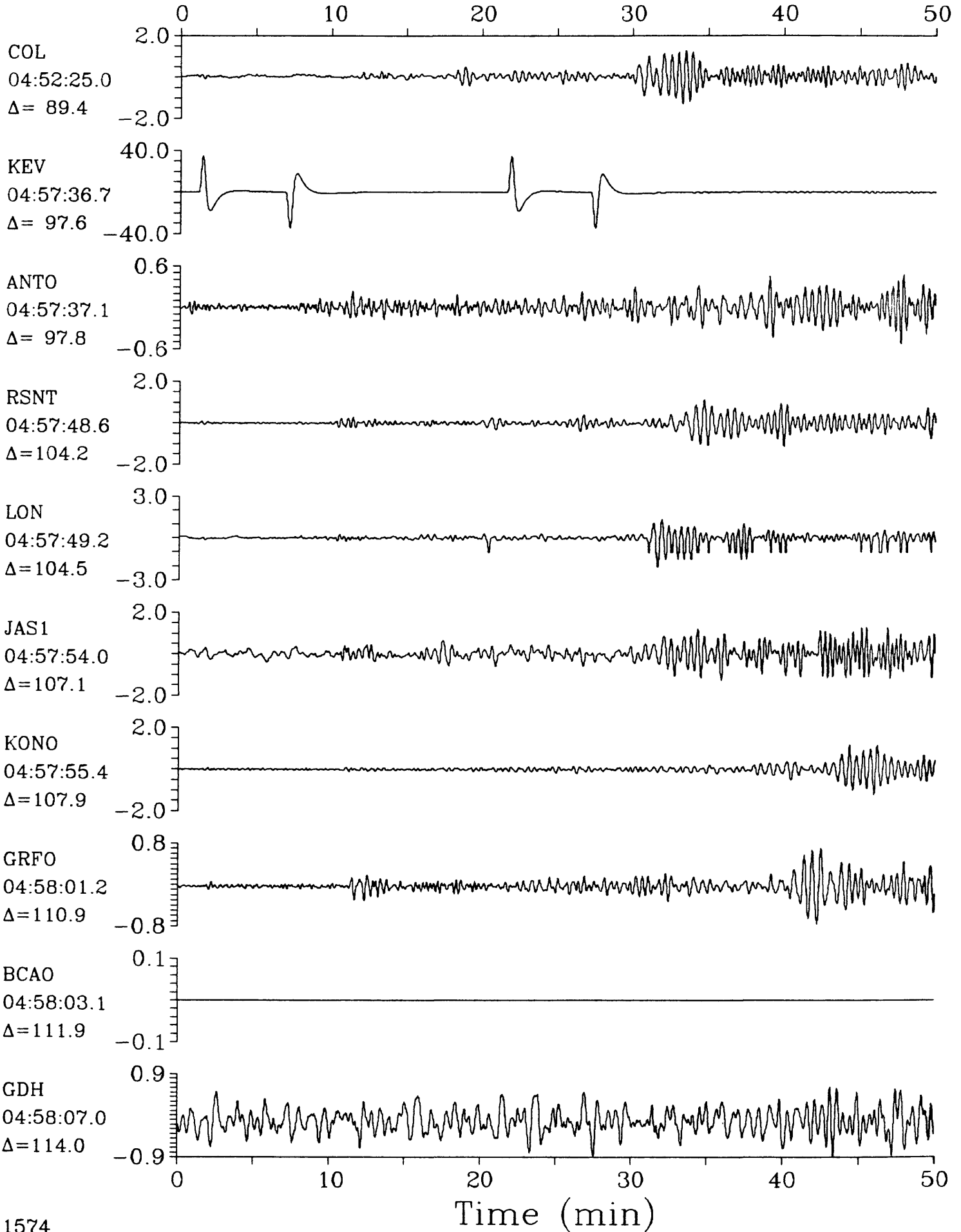
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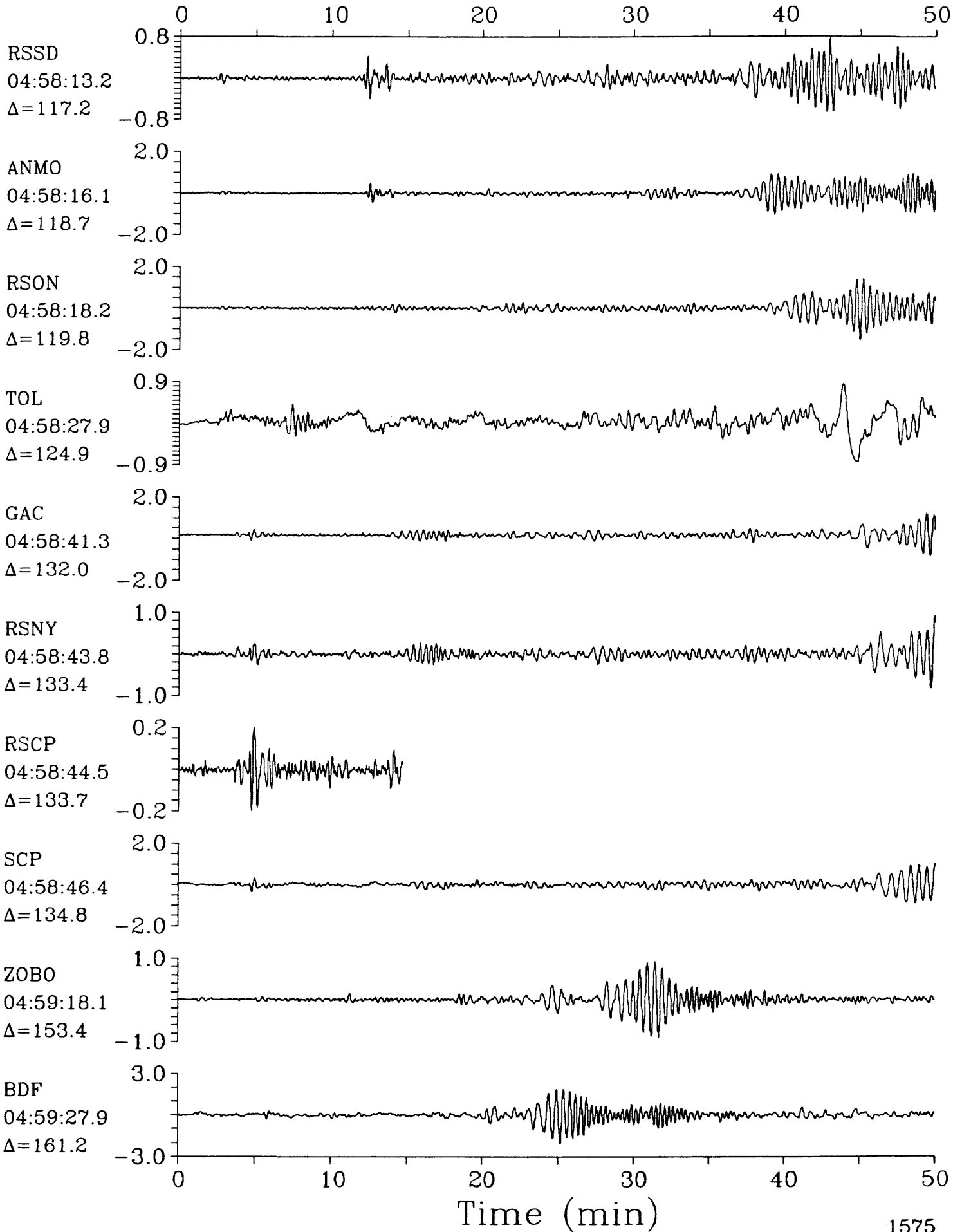
SPZ



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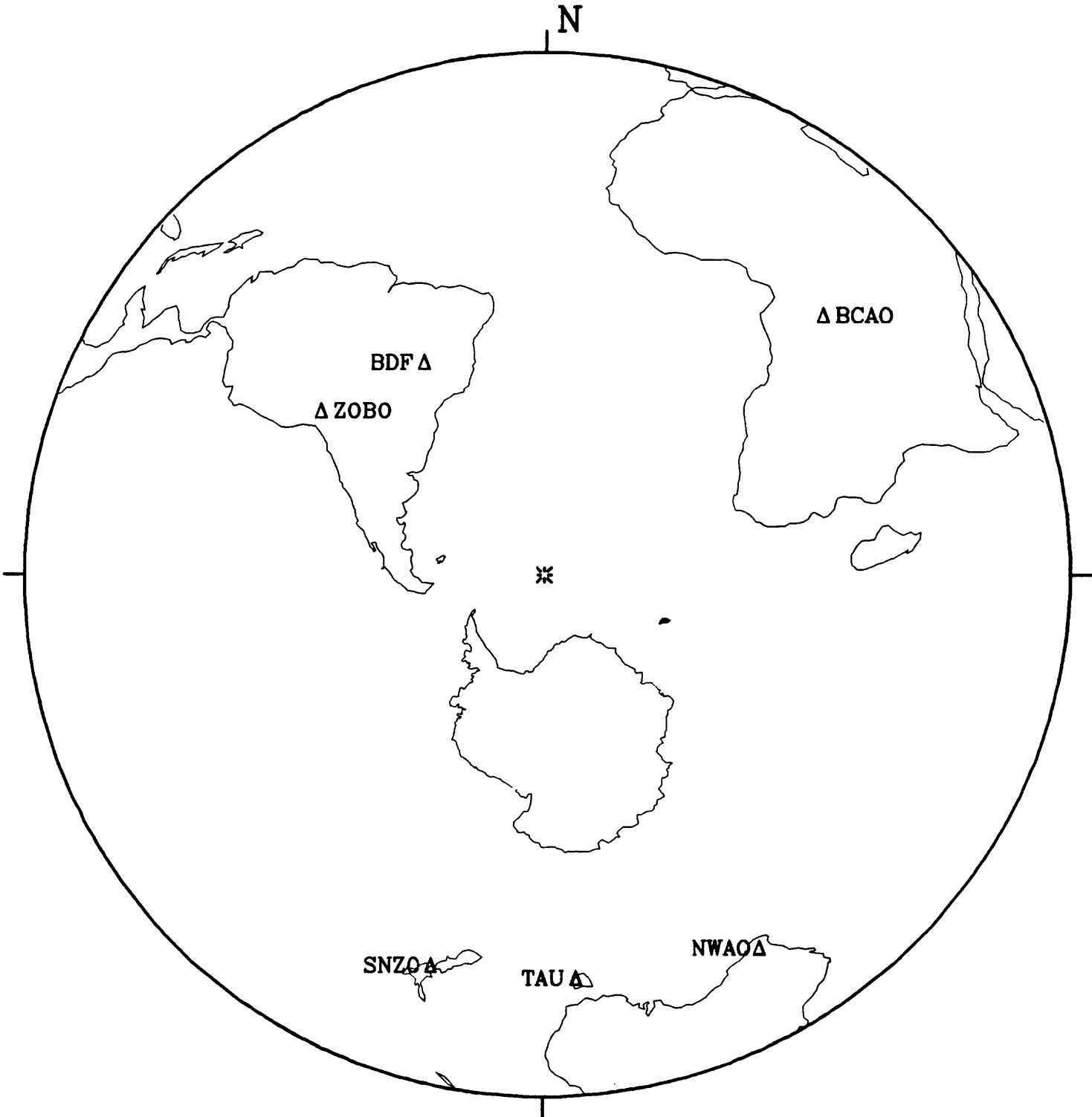
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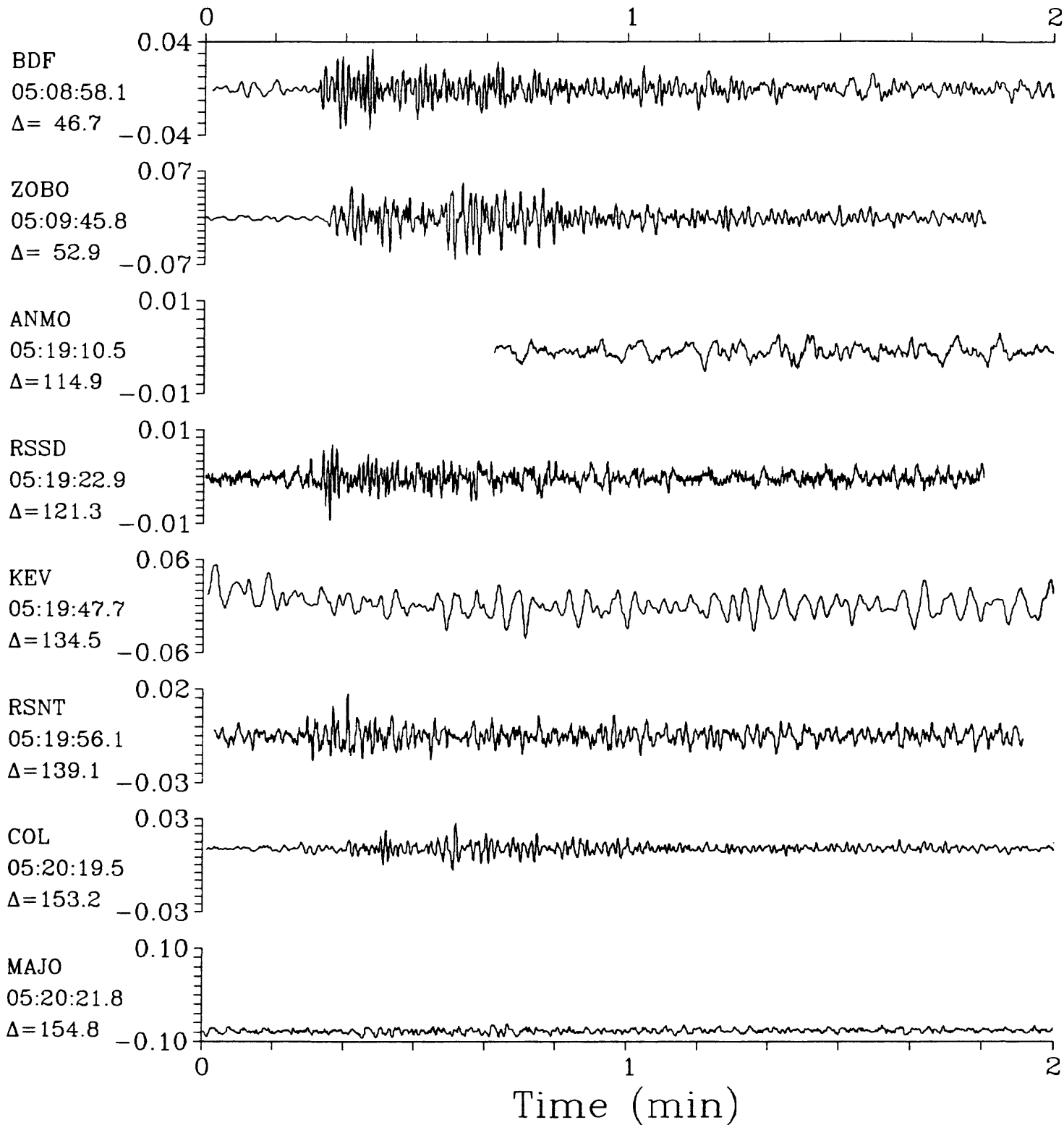
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07 September 1985 05:00:47.36

South Sandwich Islands Region



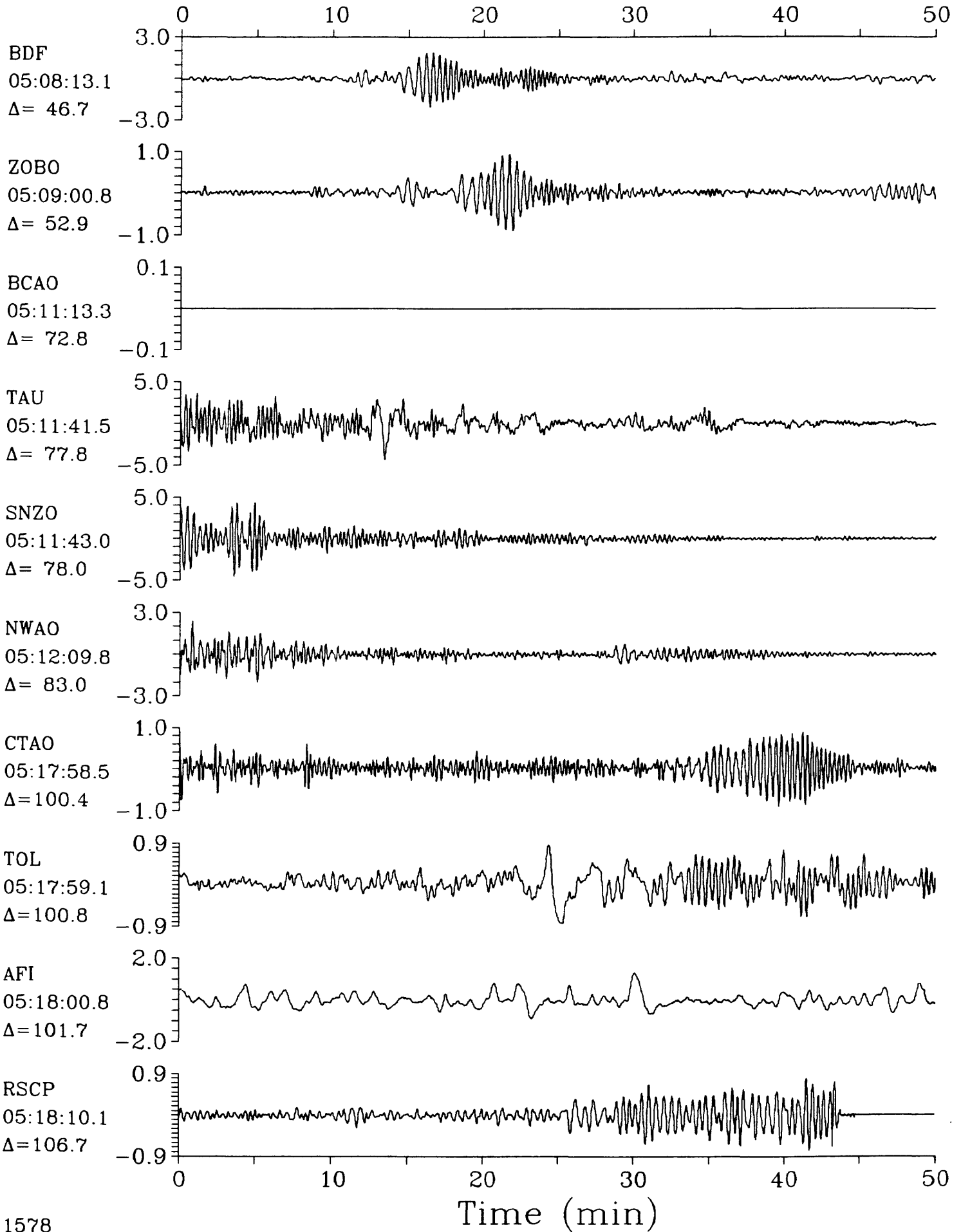
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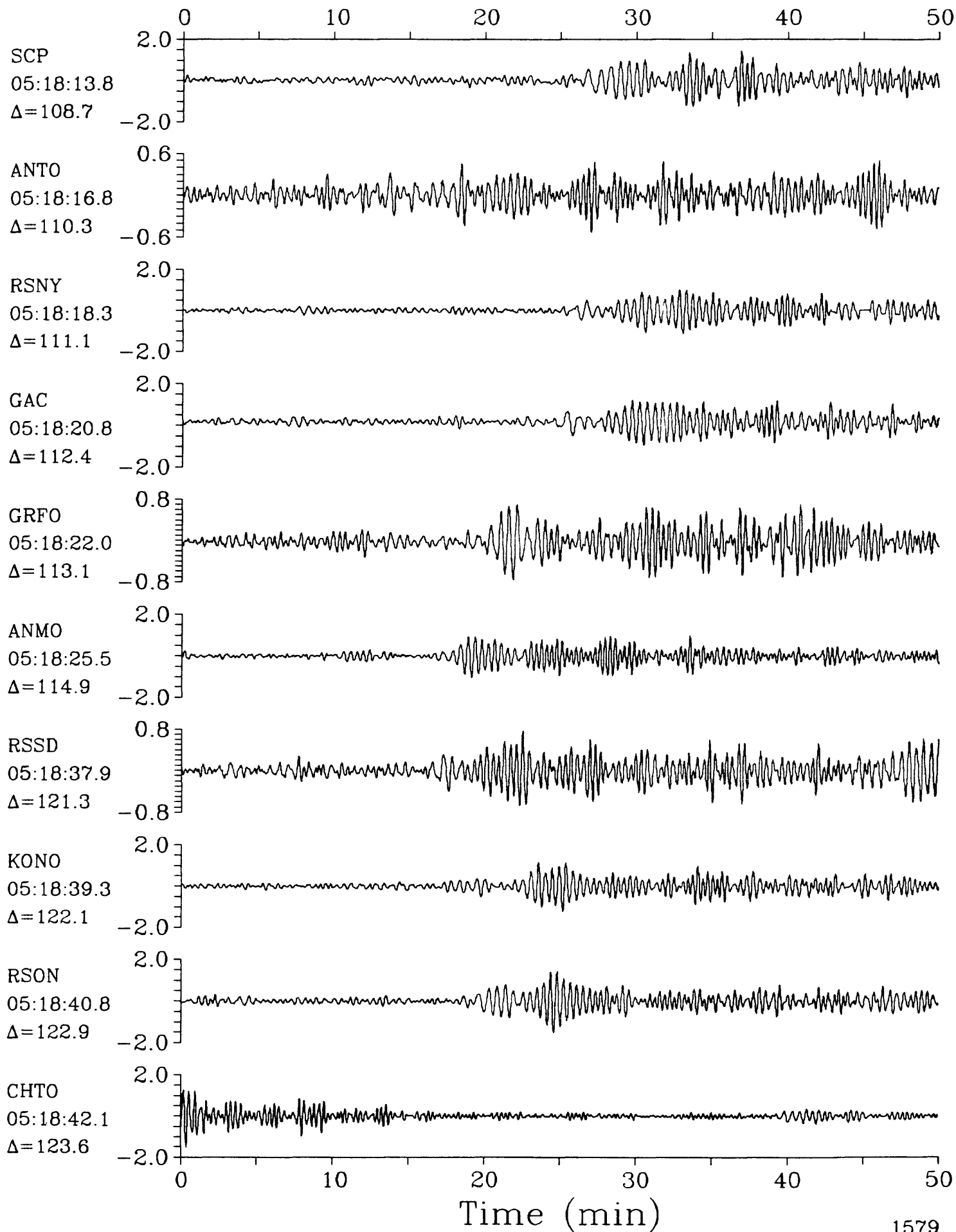
LPZ

07 September 1985 05:00:47.36

LPZ

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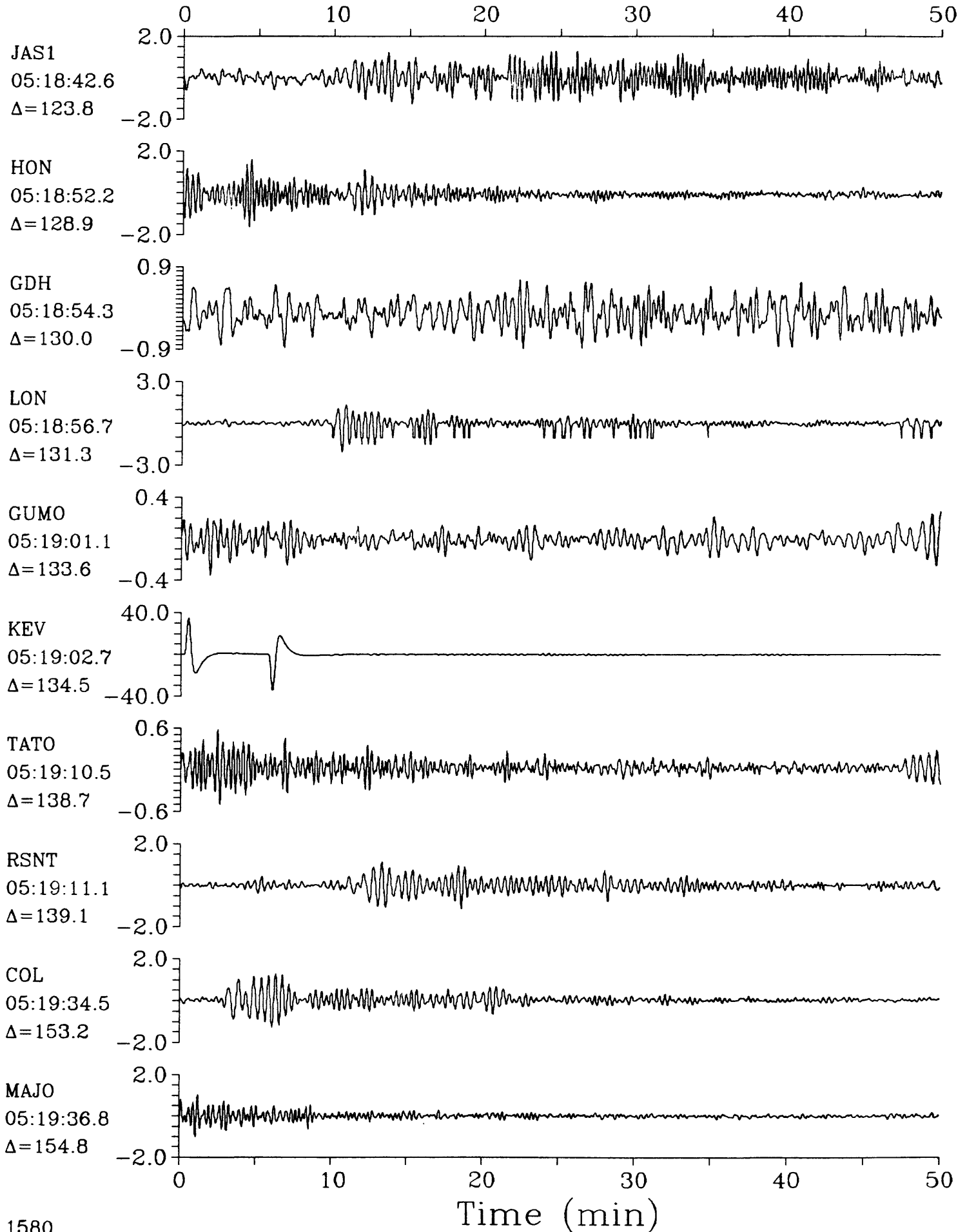
1578

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LPZ

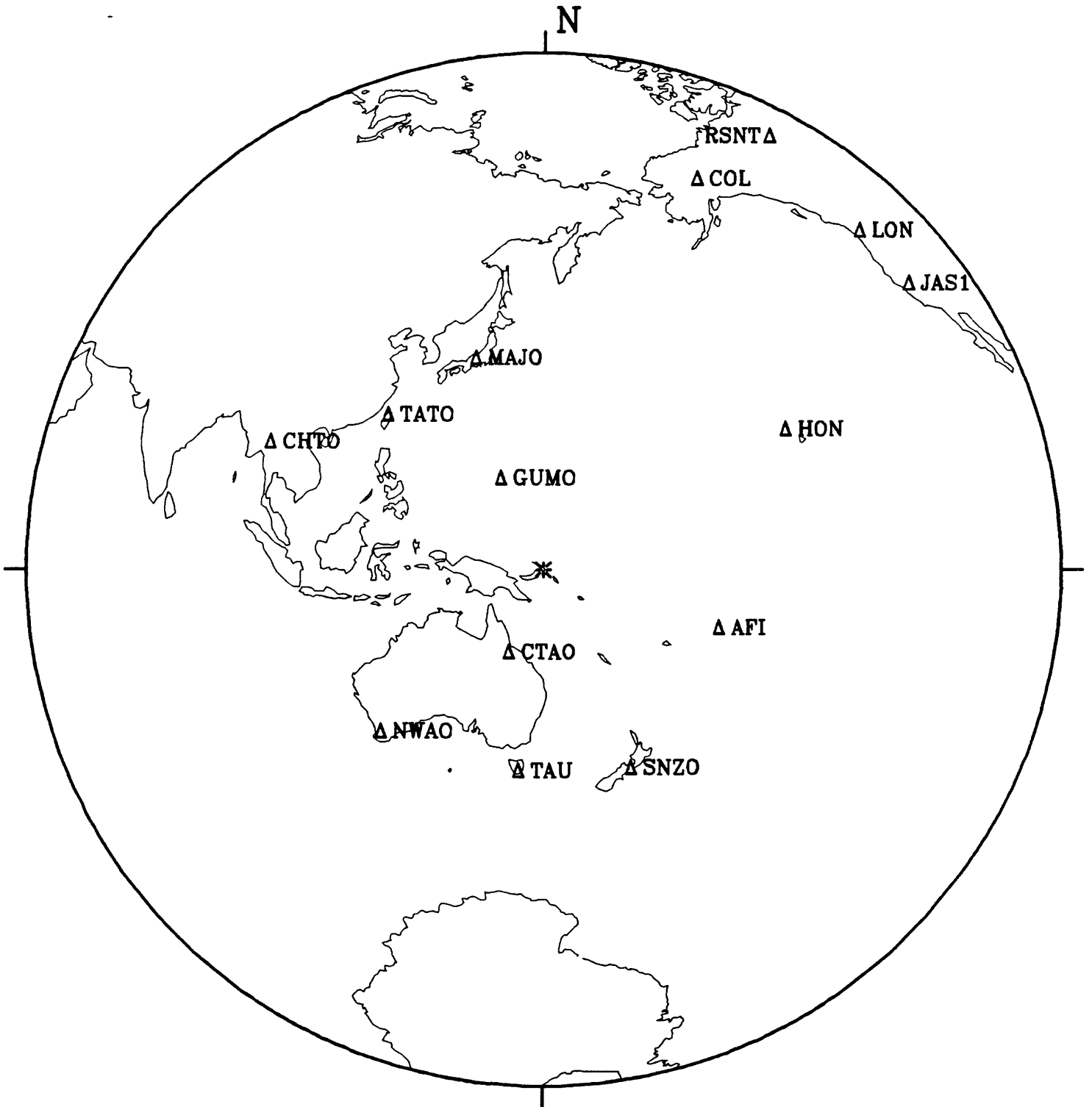
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LPZ

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07 September 1985 22:59:34.28

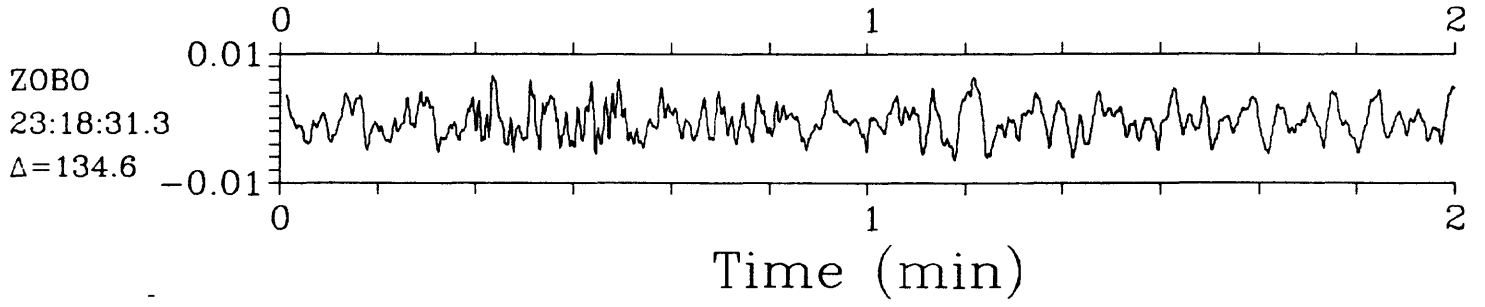
New Britain Region

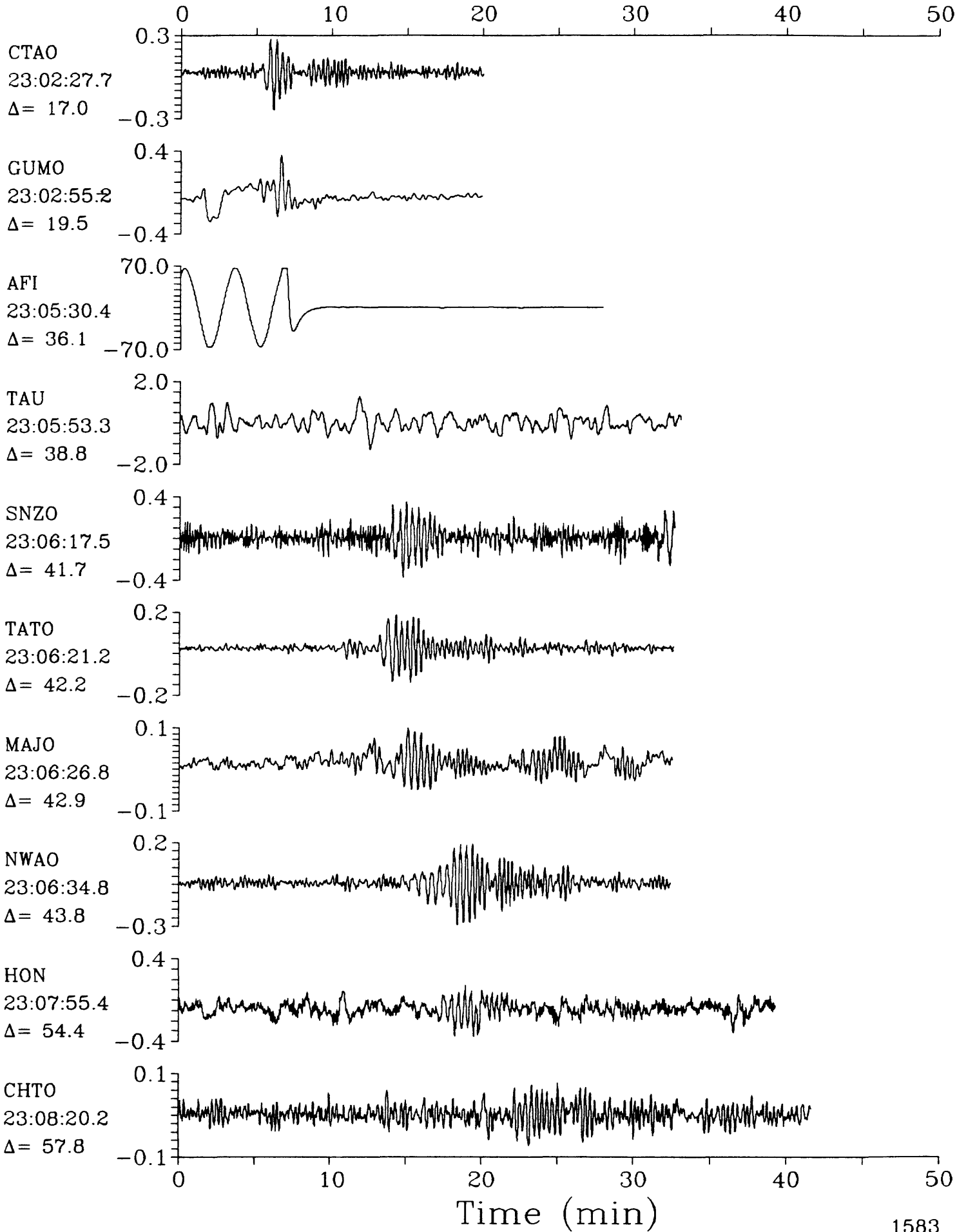


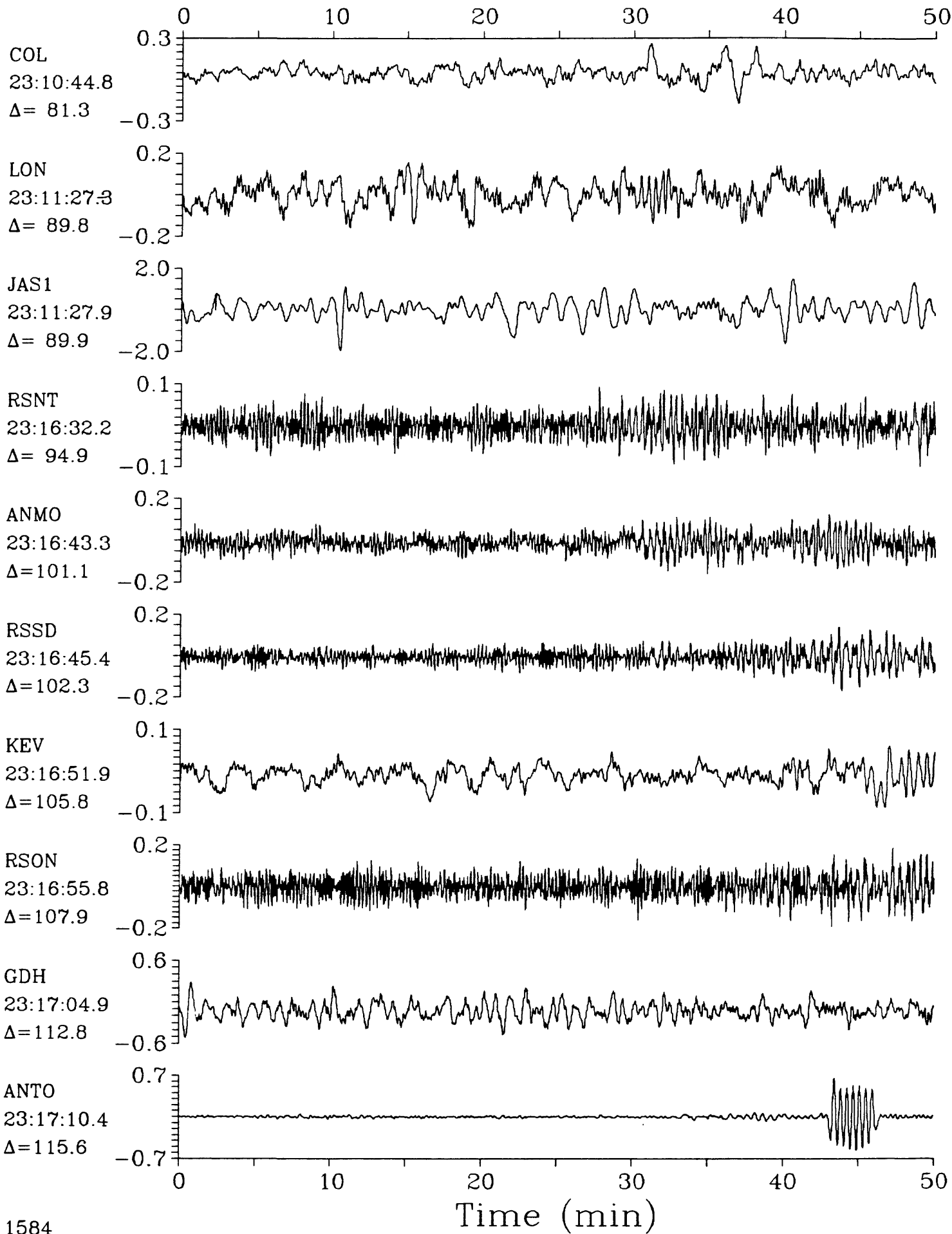
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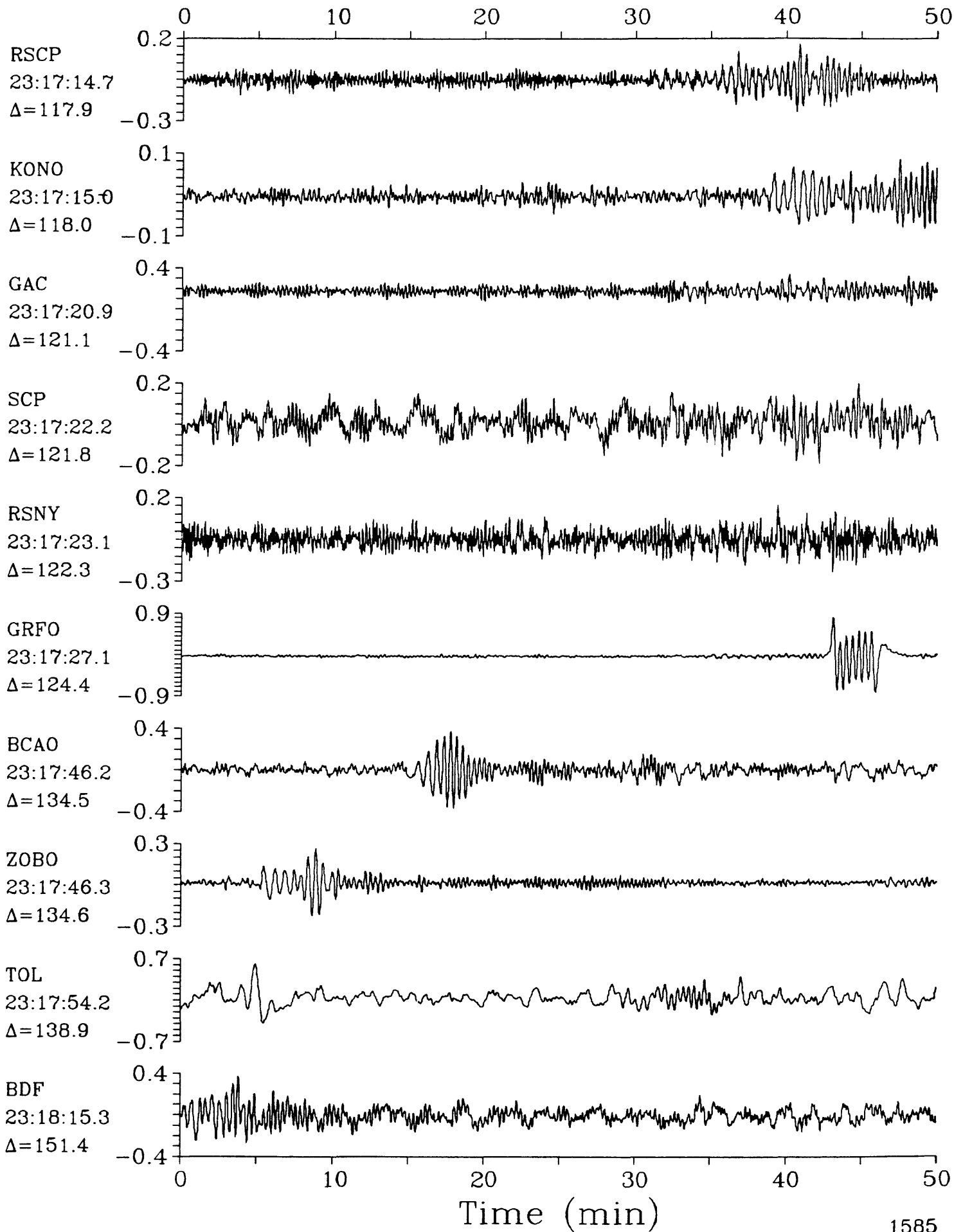
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SPZ



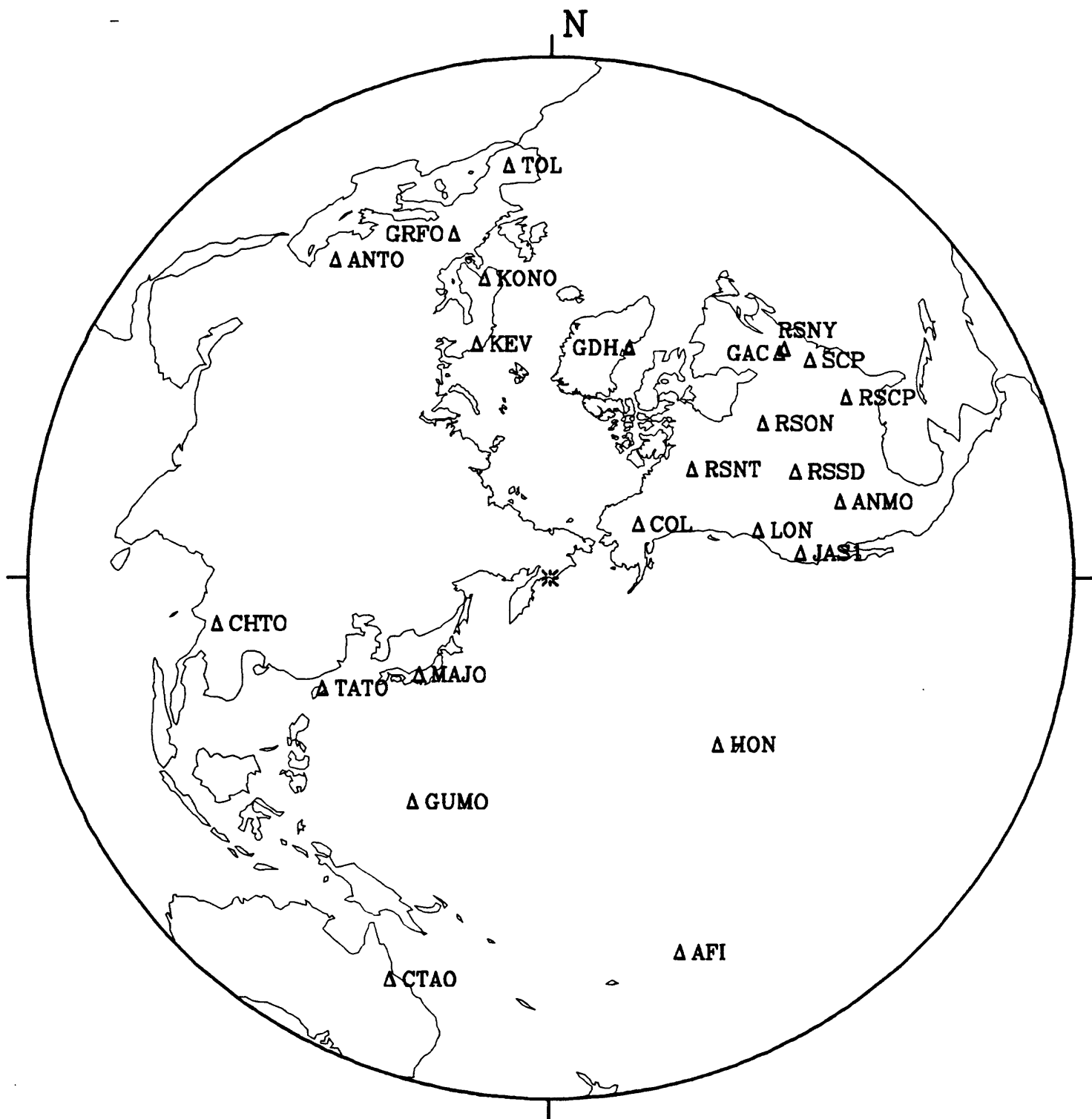


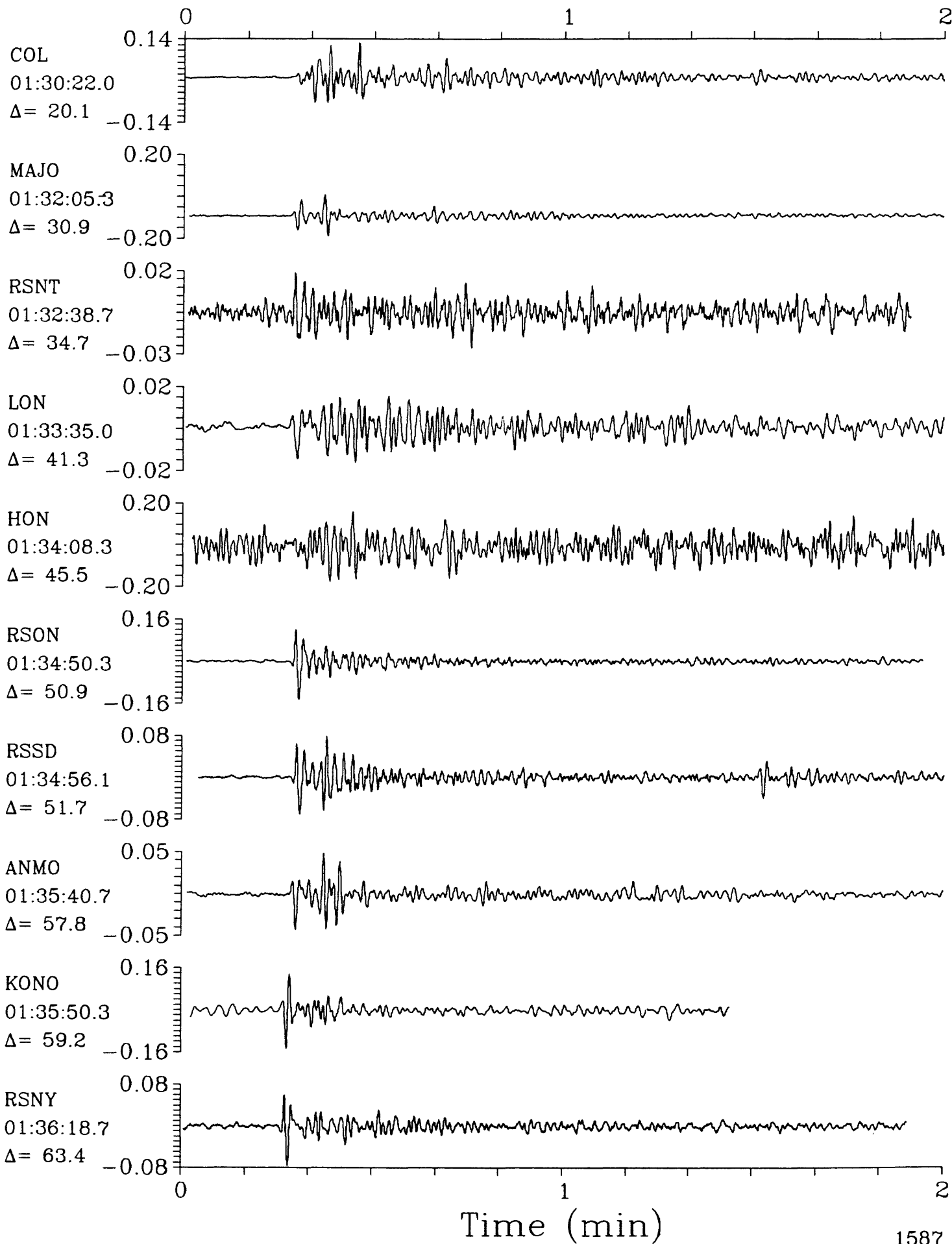


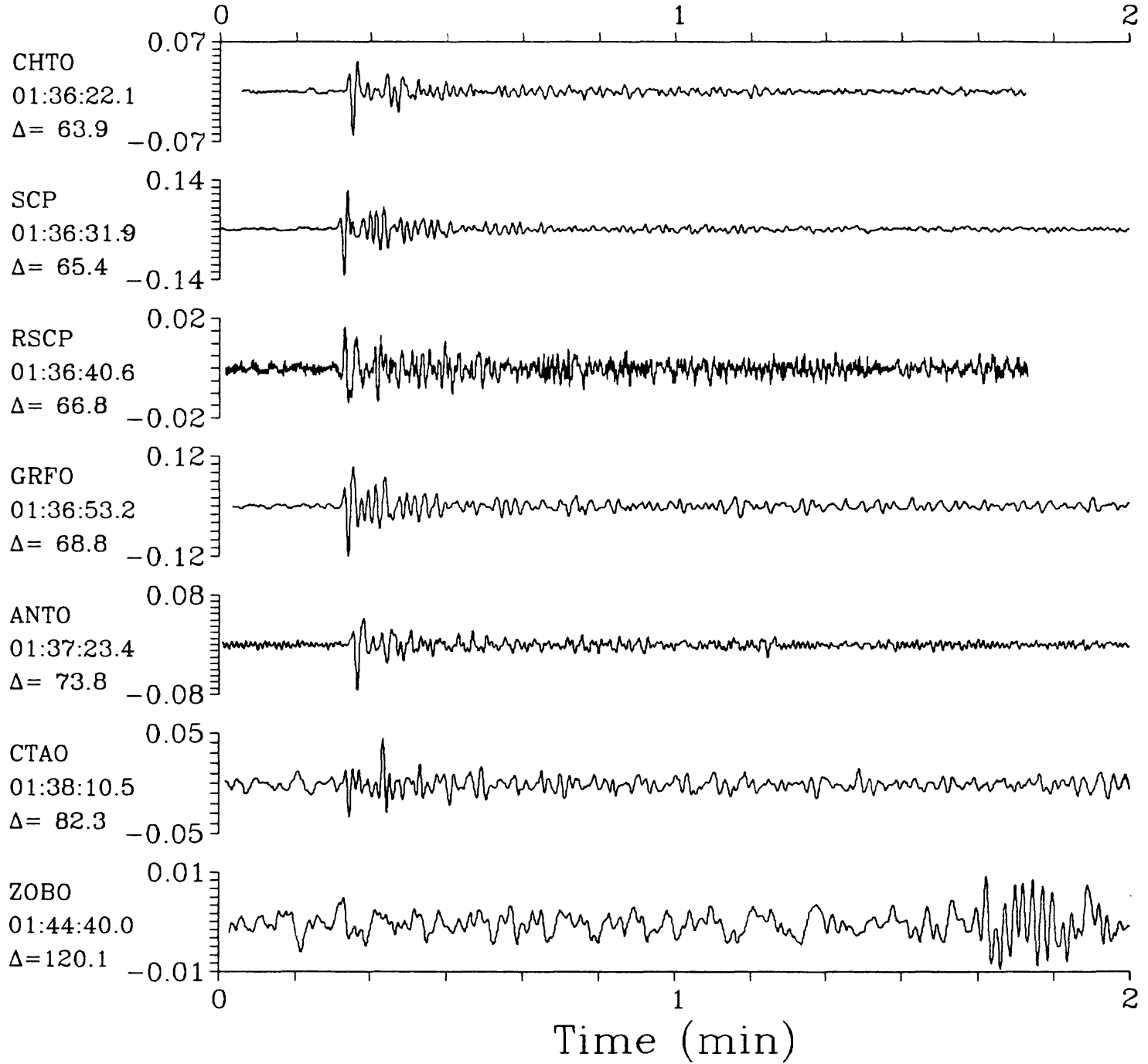


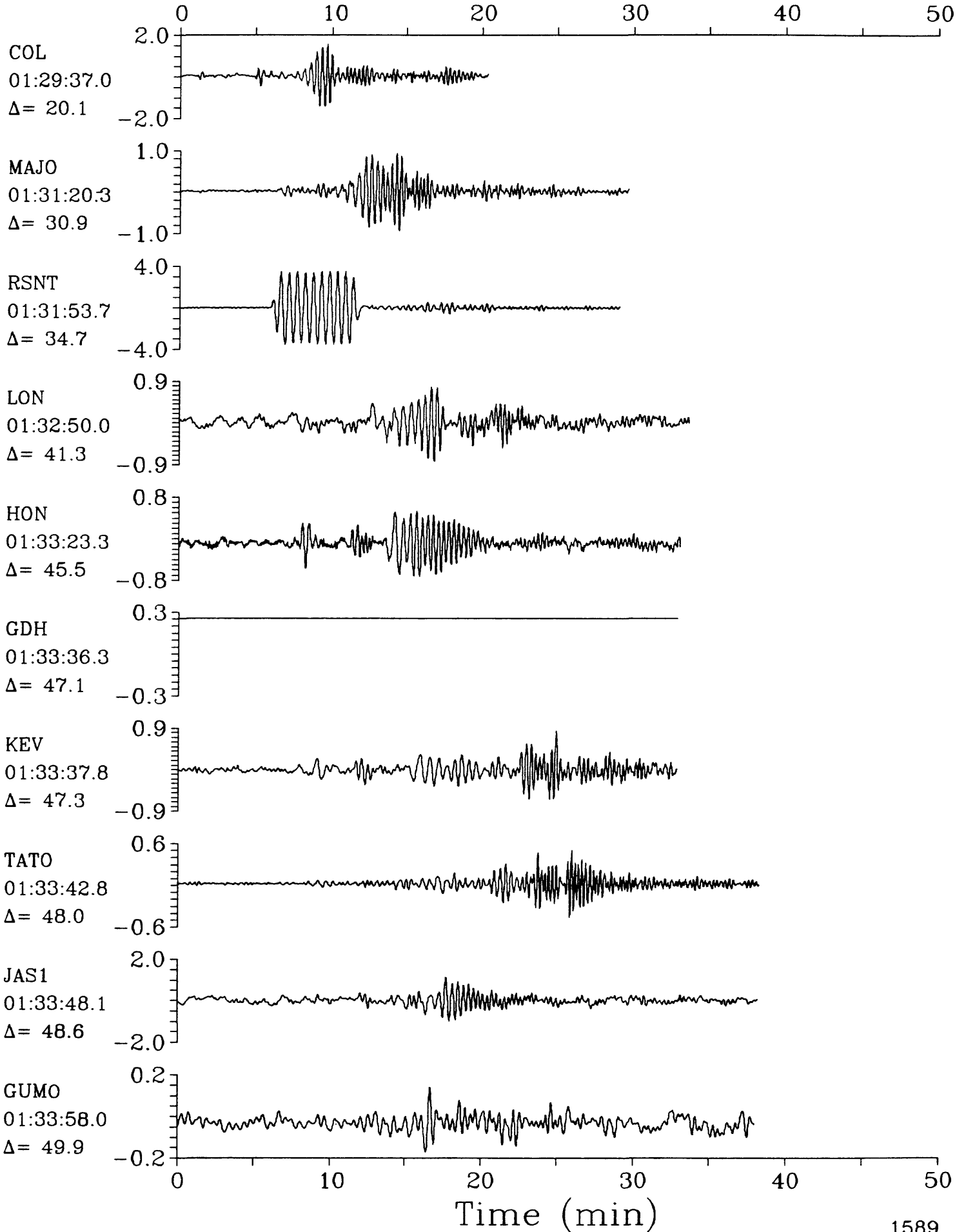
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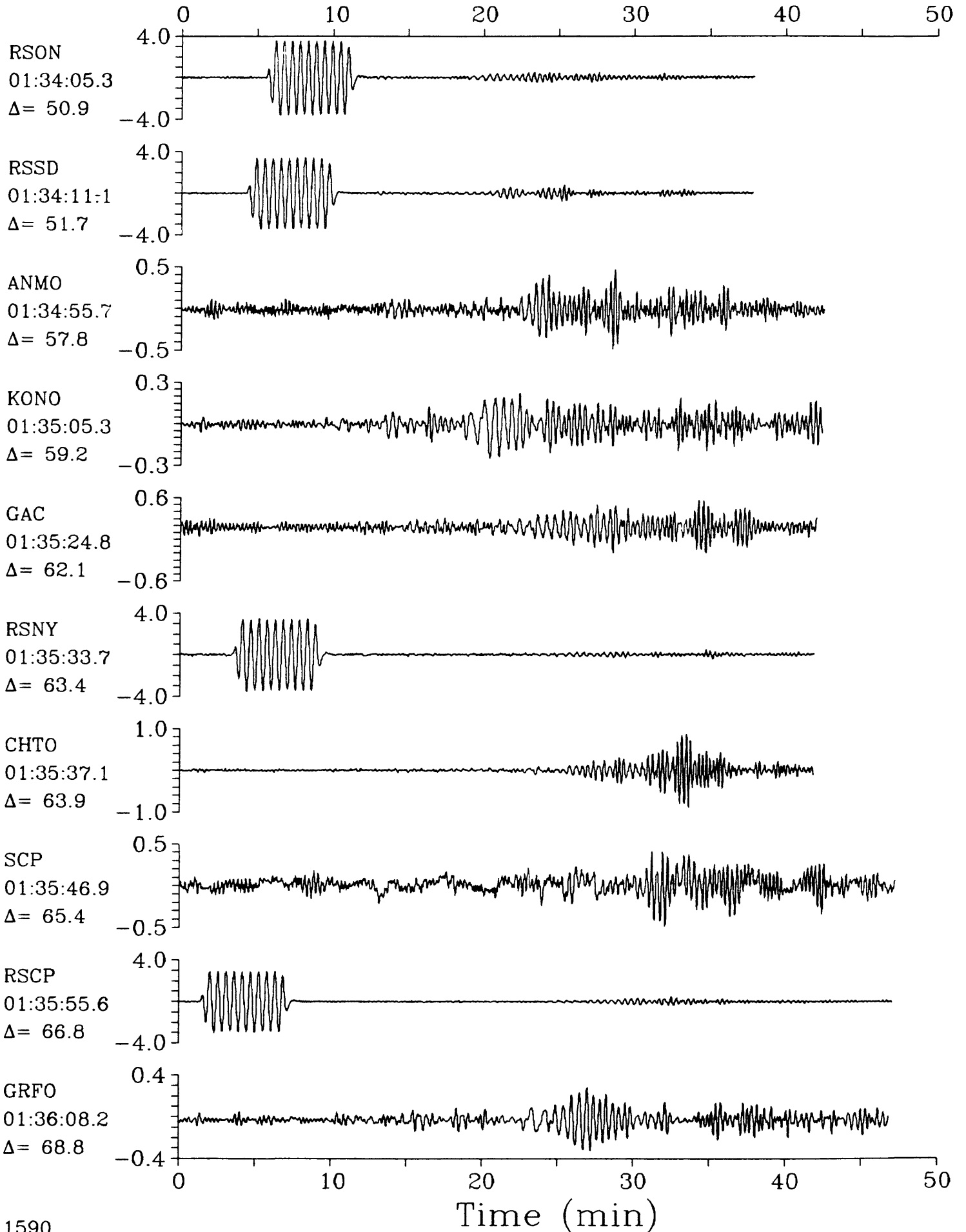
Eastern Siberia

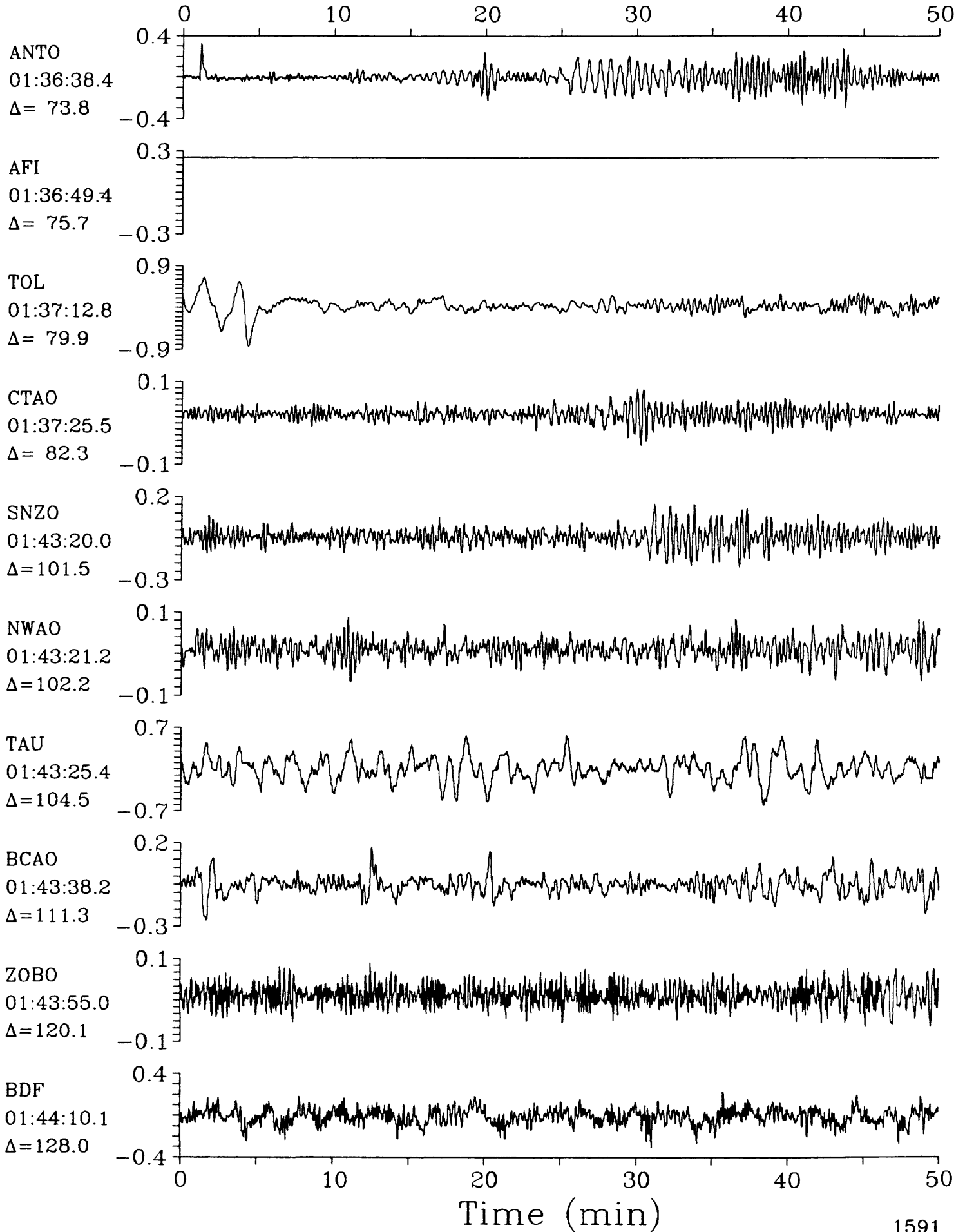






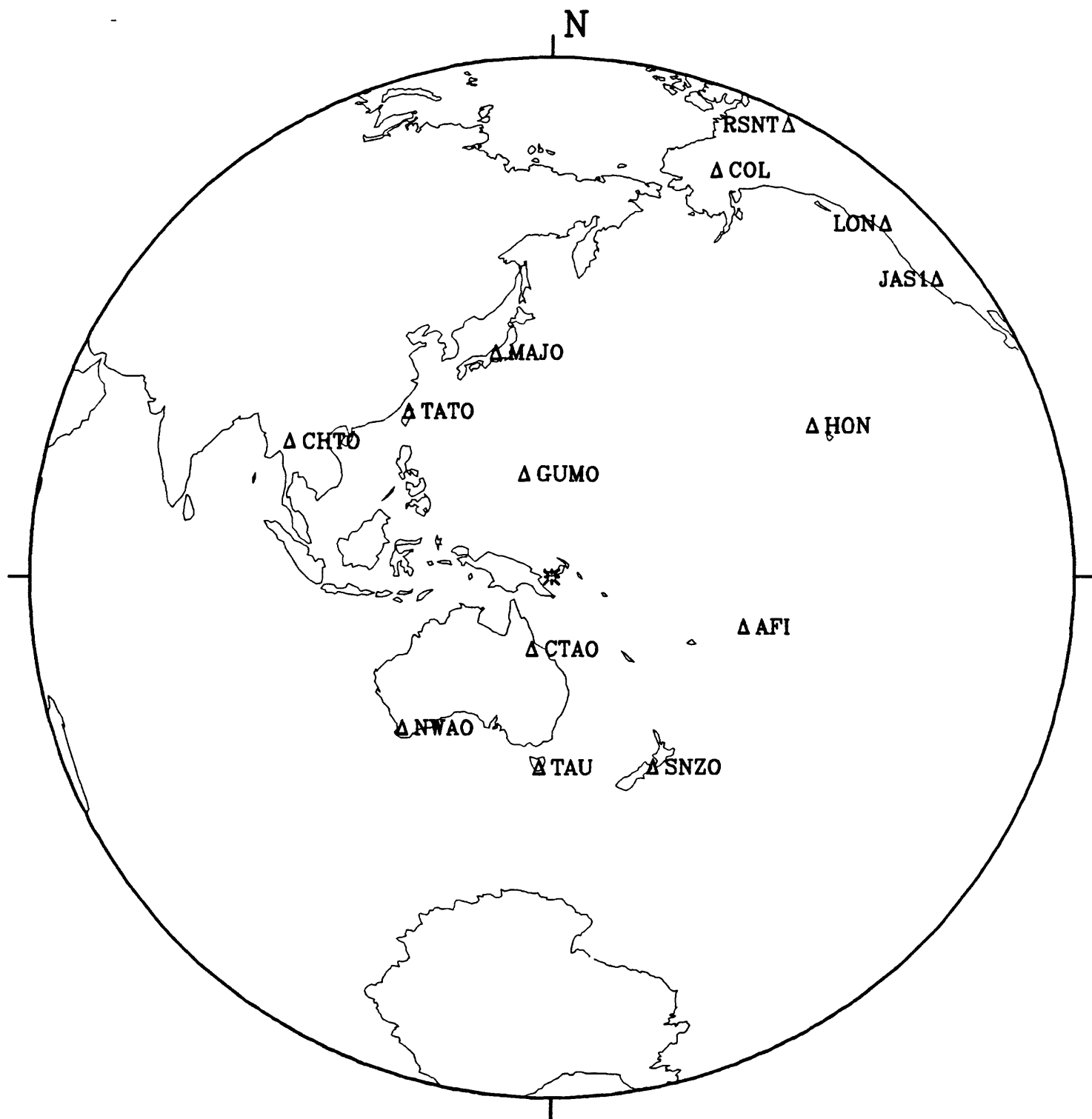


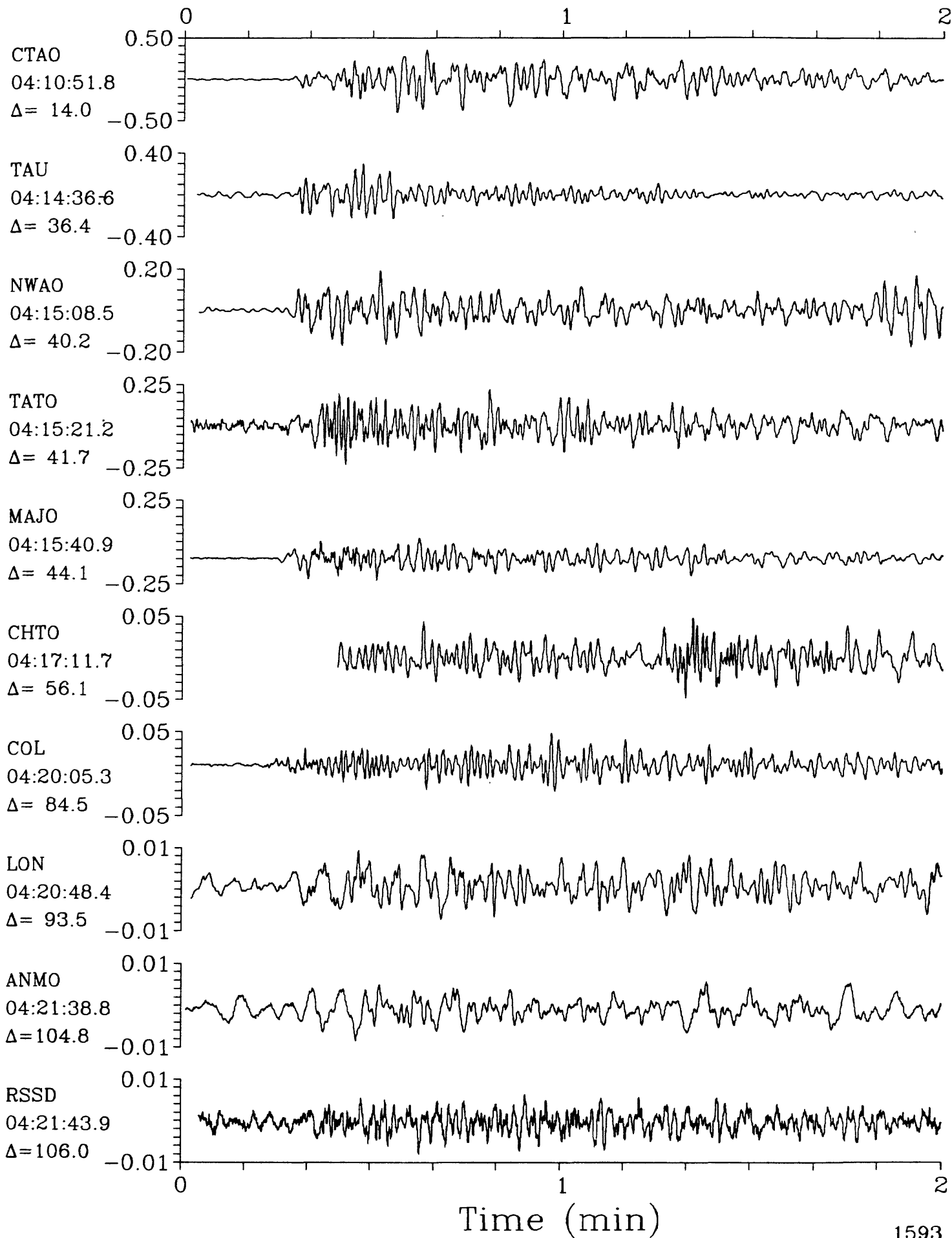


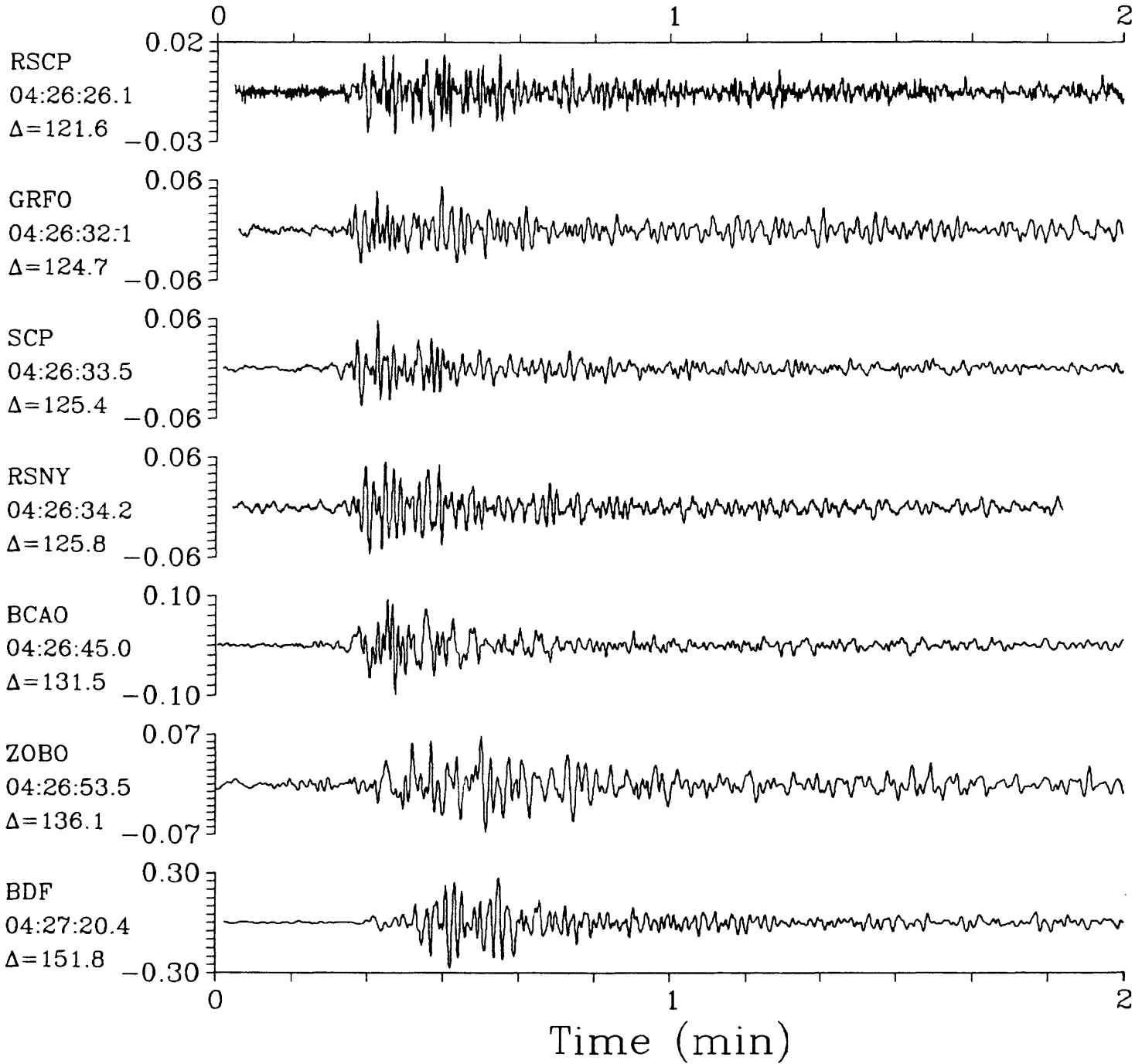


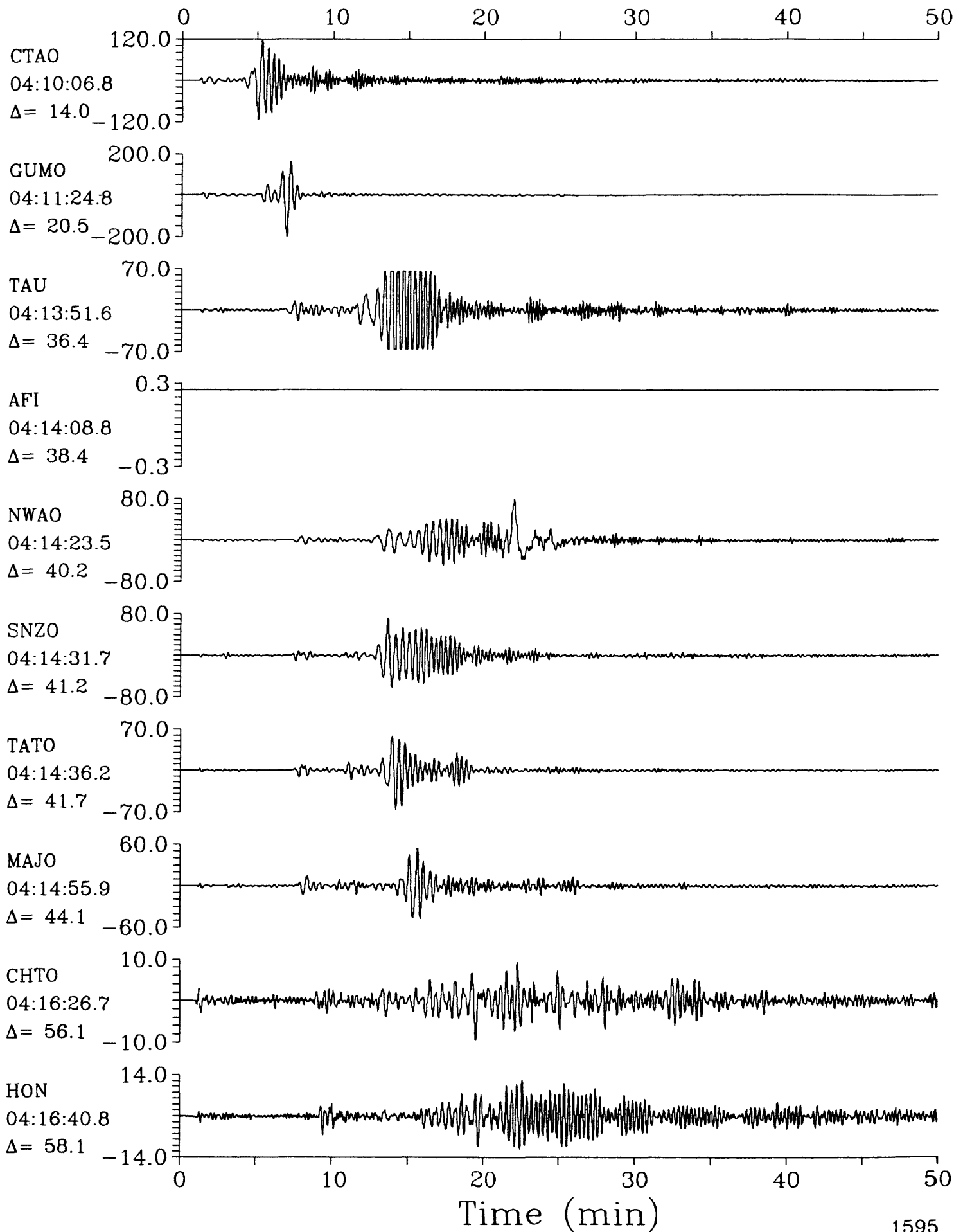
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New Britain Region

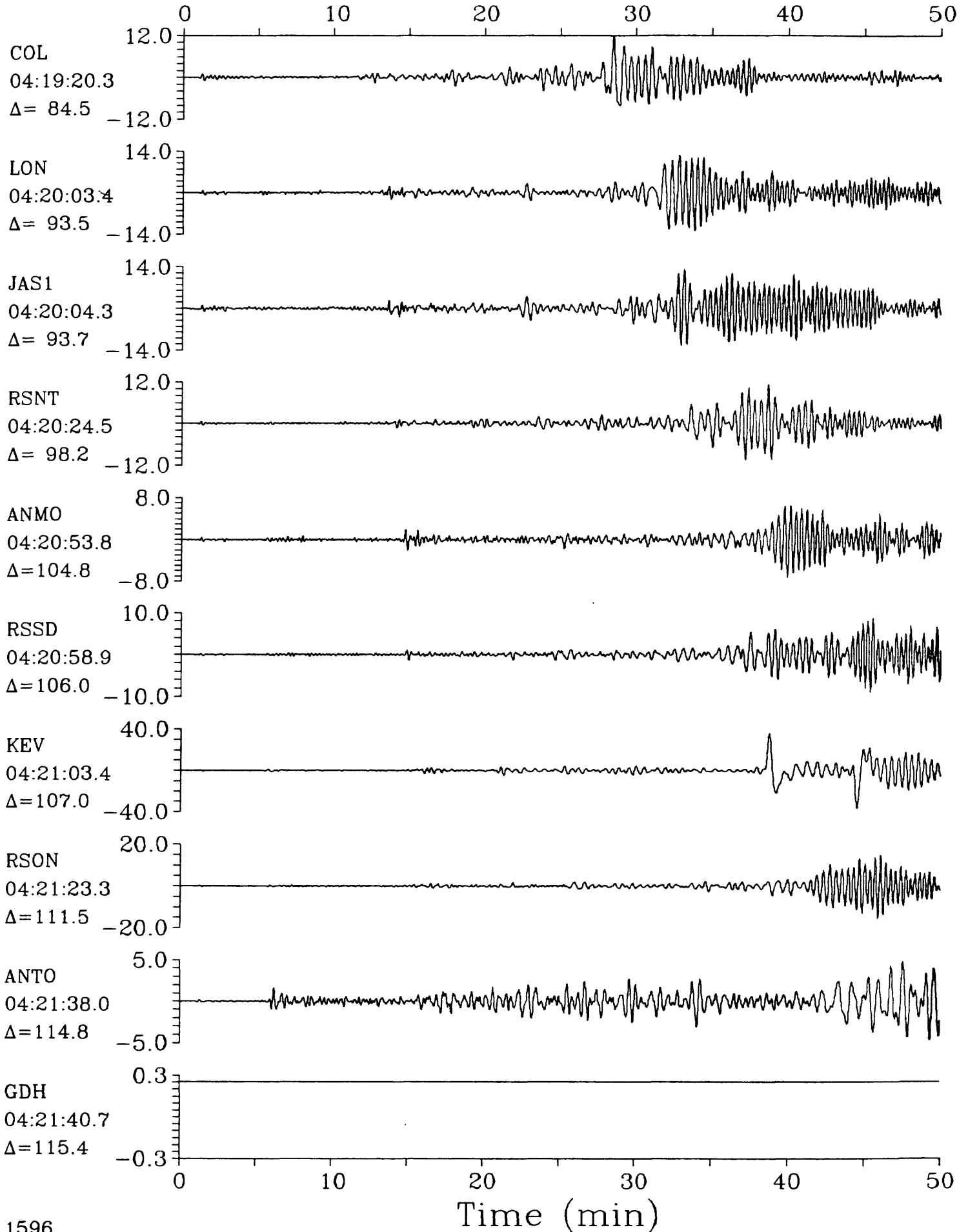


New Britain Region $h=33.0$ $m_b=5.7$ $M_{SZ}=6.3$ 



New Britain Region $h=33.0$ $m_b=5.7$ $M_{sz}=6.3$ 

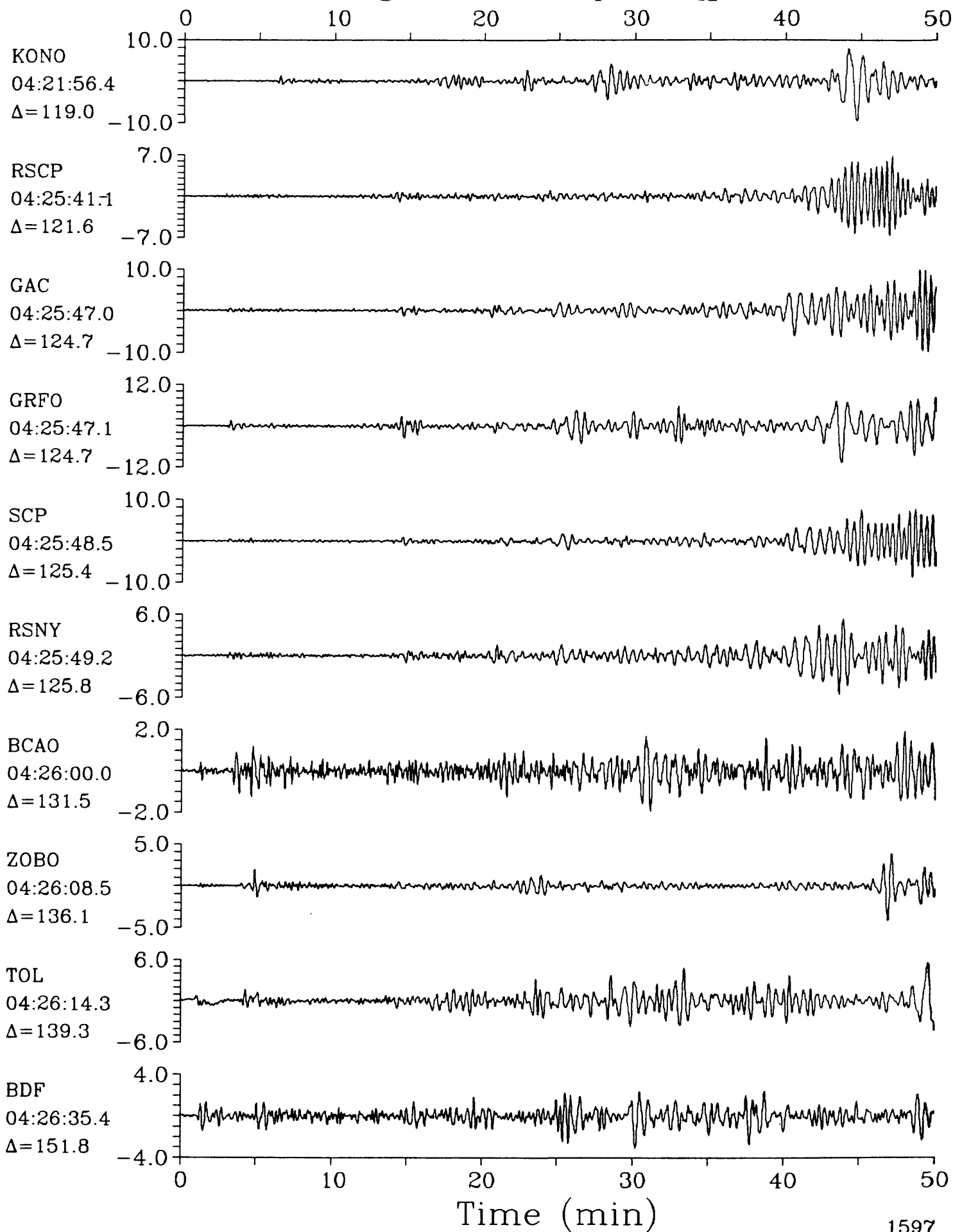
New Britain Region $h=33.0$ $m_b=5.7$ $M_{sz}=6.3$



LPZ

10 September 1985 04:07:50.18

LPZ

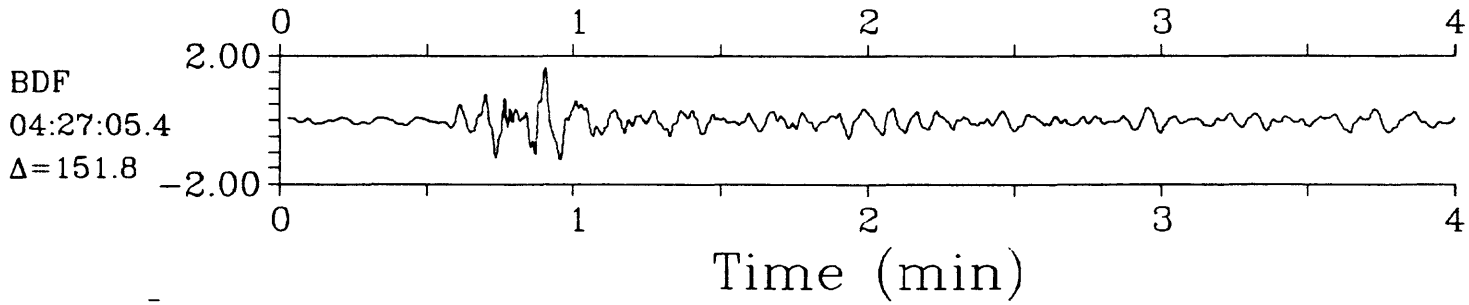
New Britain Region $h=33.0$ $m_b=5.7$ $M_{sz}=6.3$ 

IPZ

10 September 1985 04:07:50.18

IPZ

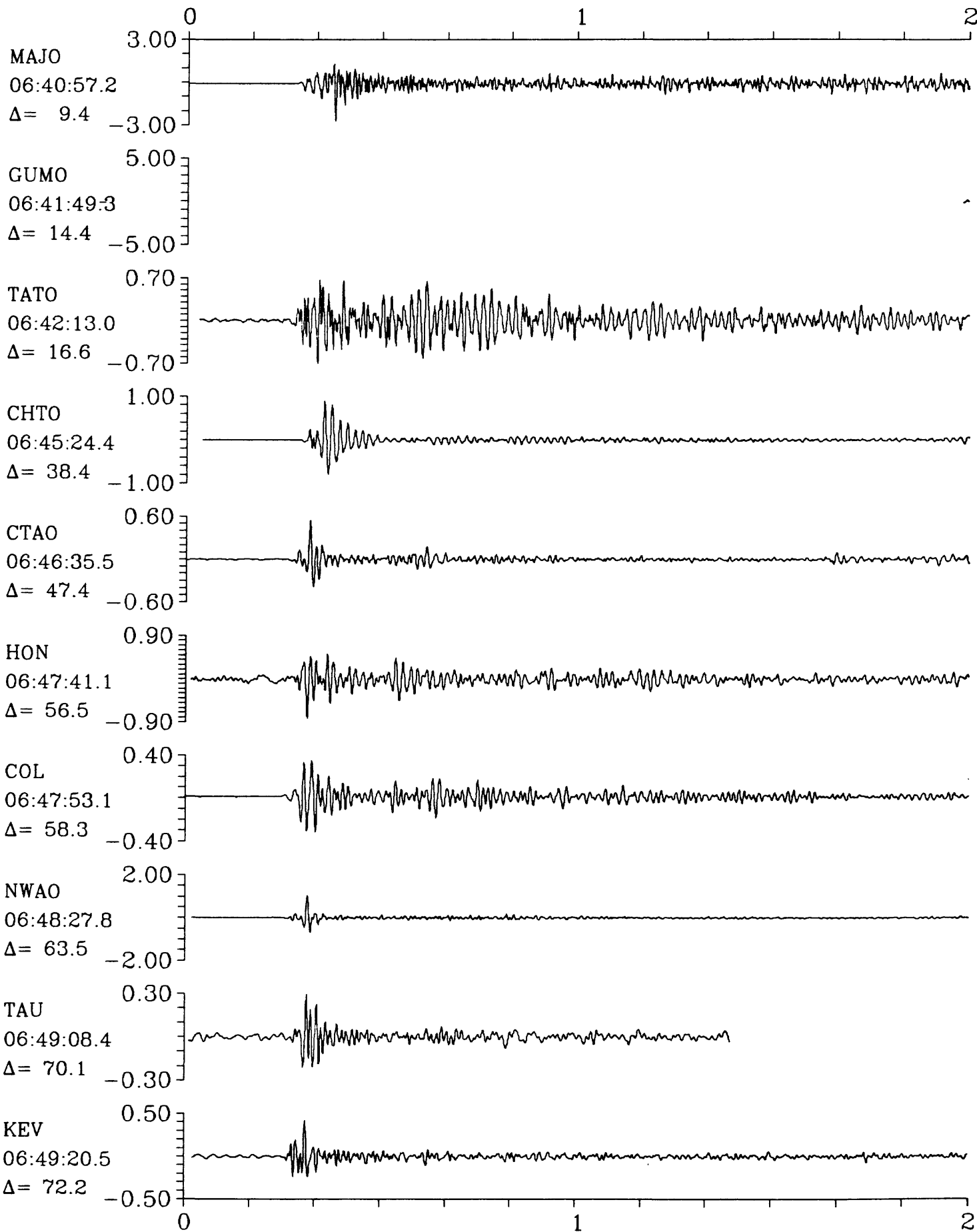
New Britain Region $h=33.0$ $m_b=5.7$ $M_{sz}=6.3$

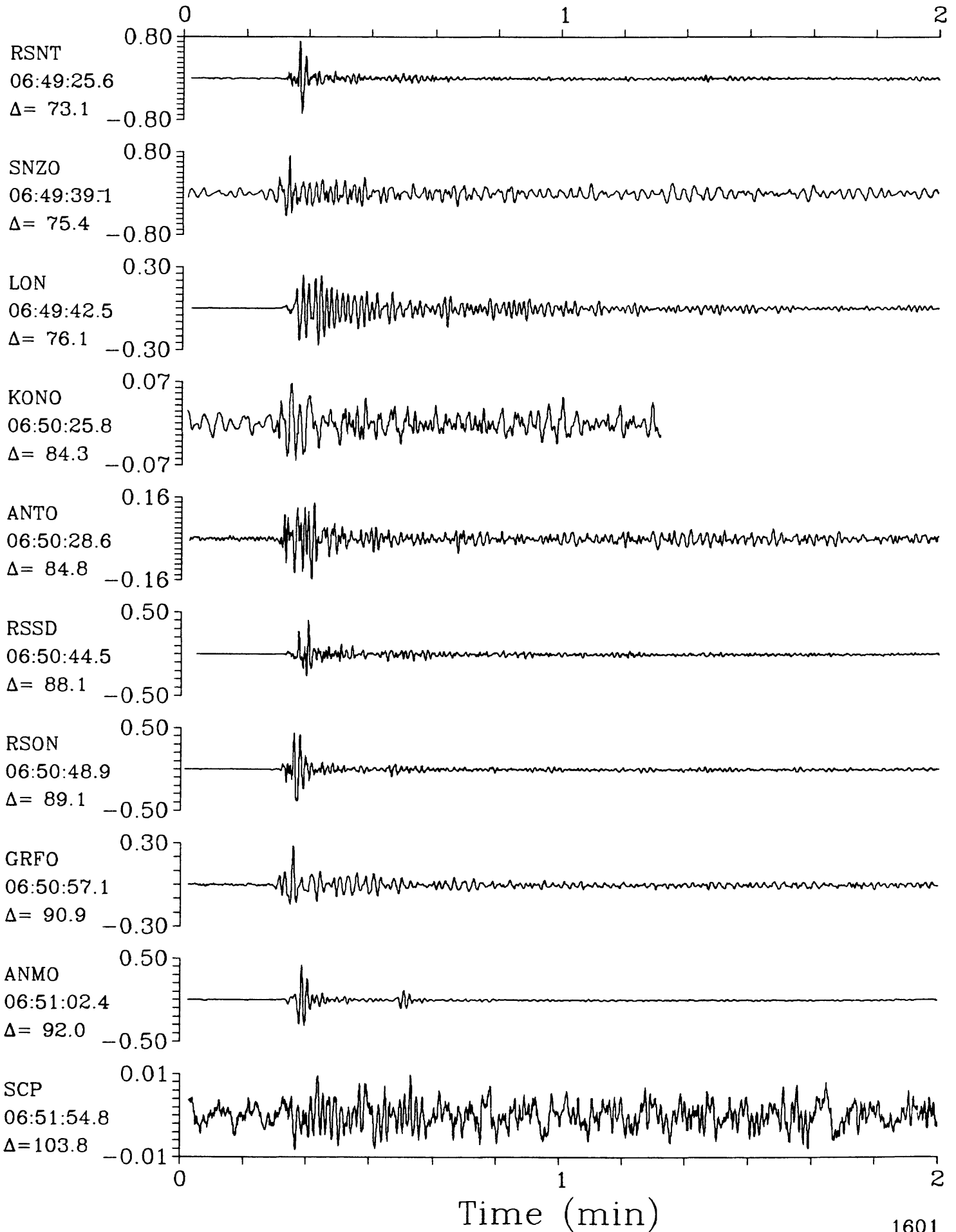


10 September 1985 06:39:01.45

Bonin Islands Region



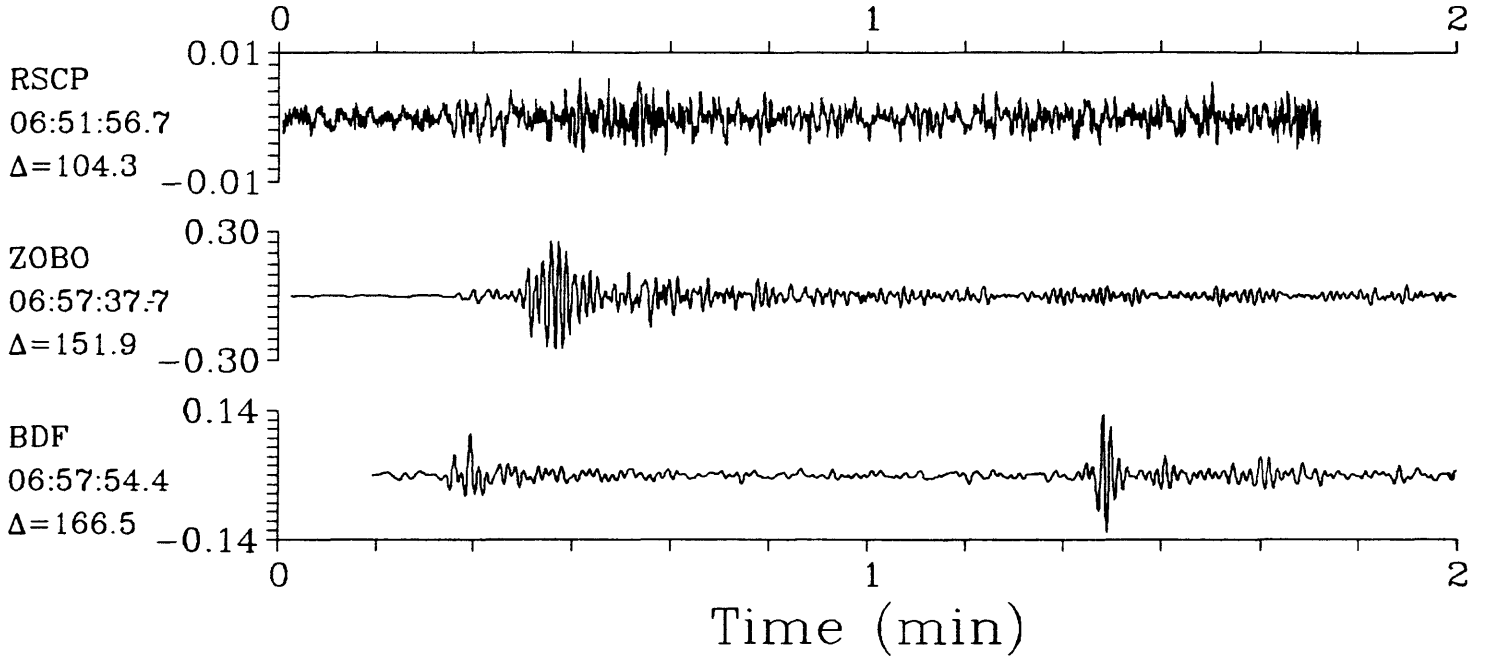


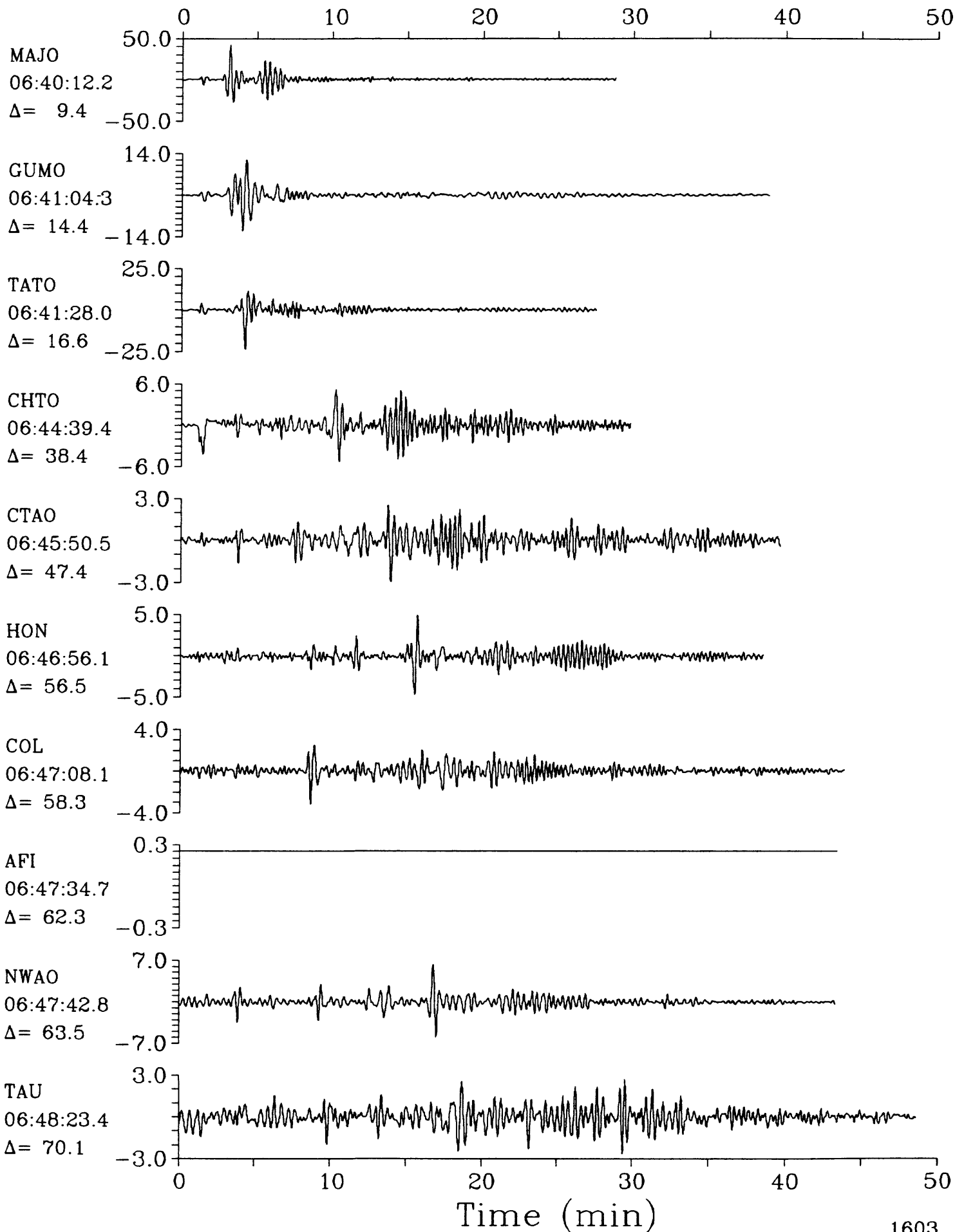


SPZ

10 September 1985 06:39:01.45
Bonin Islands Region $h=499.1$ $m_b=5.8$

SPZ

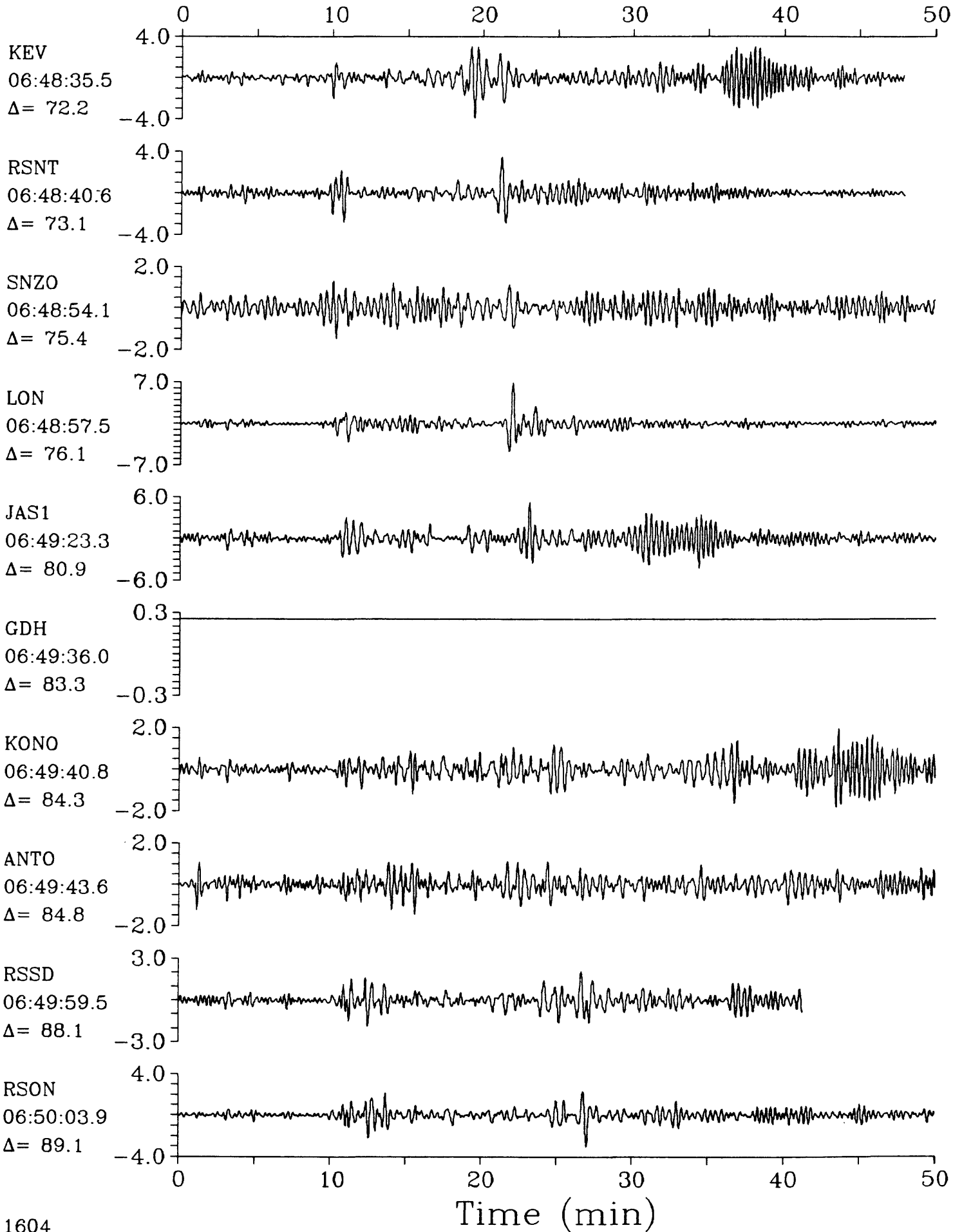


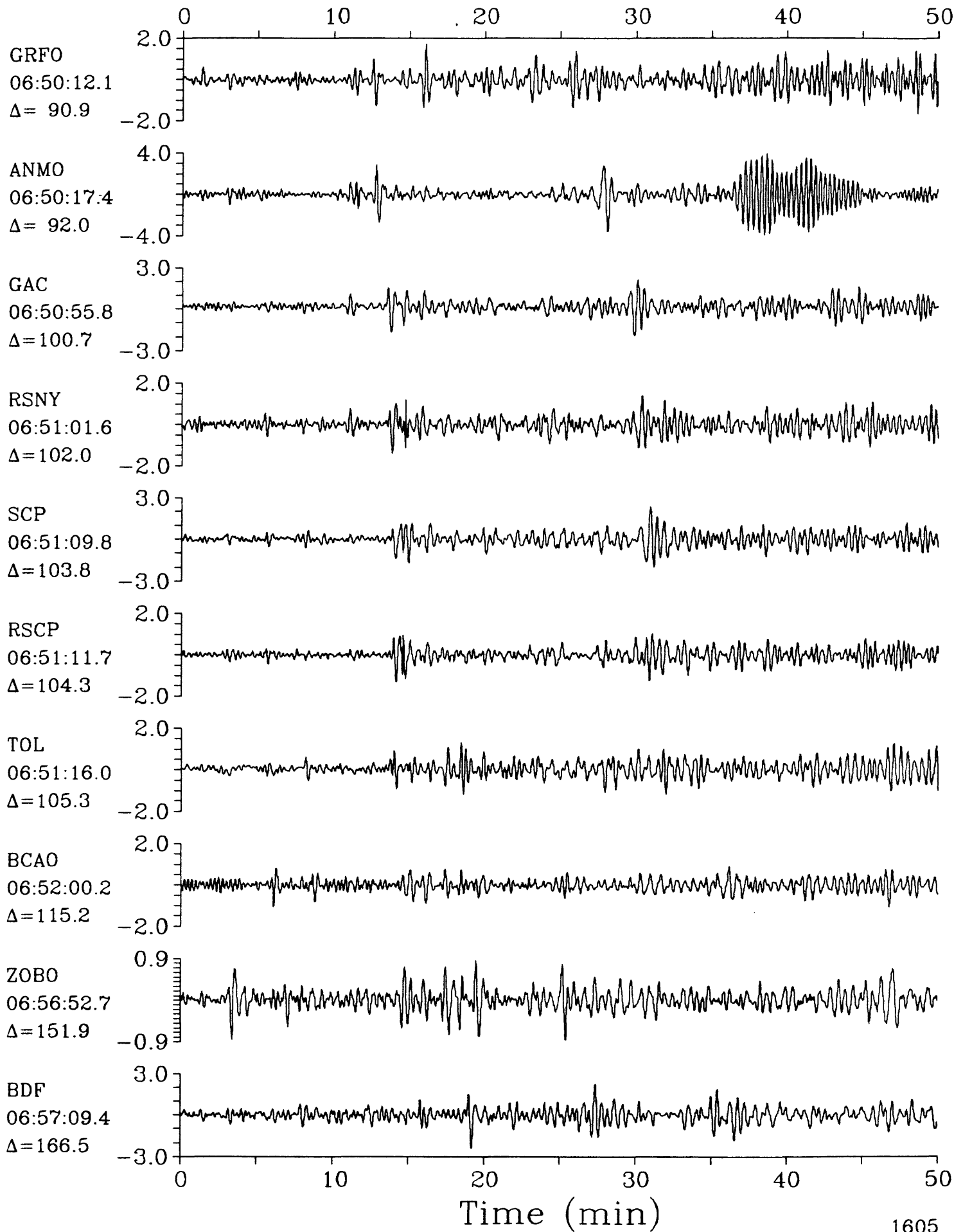


LPZ

10 September 1985 06:39:01.45
Bonin Islands Region $h=499.1$ $m_b=5.8$

LPZ

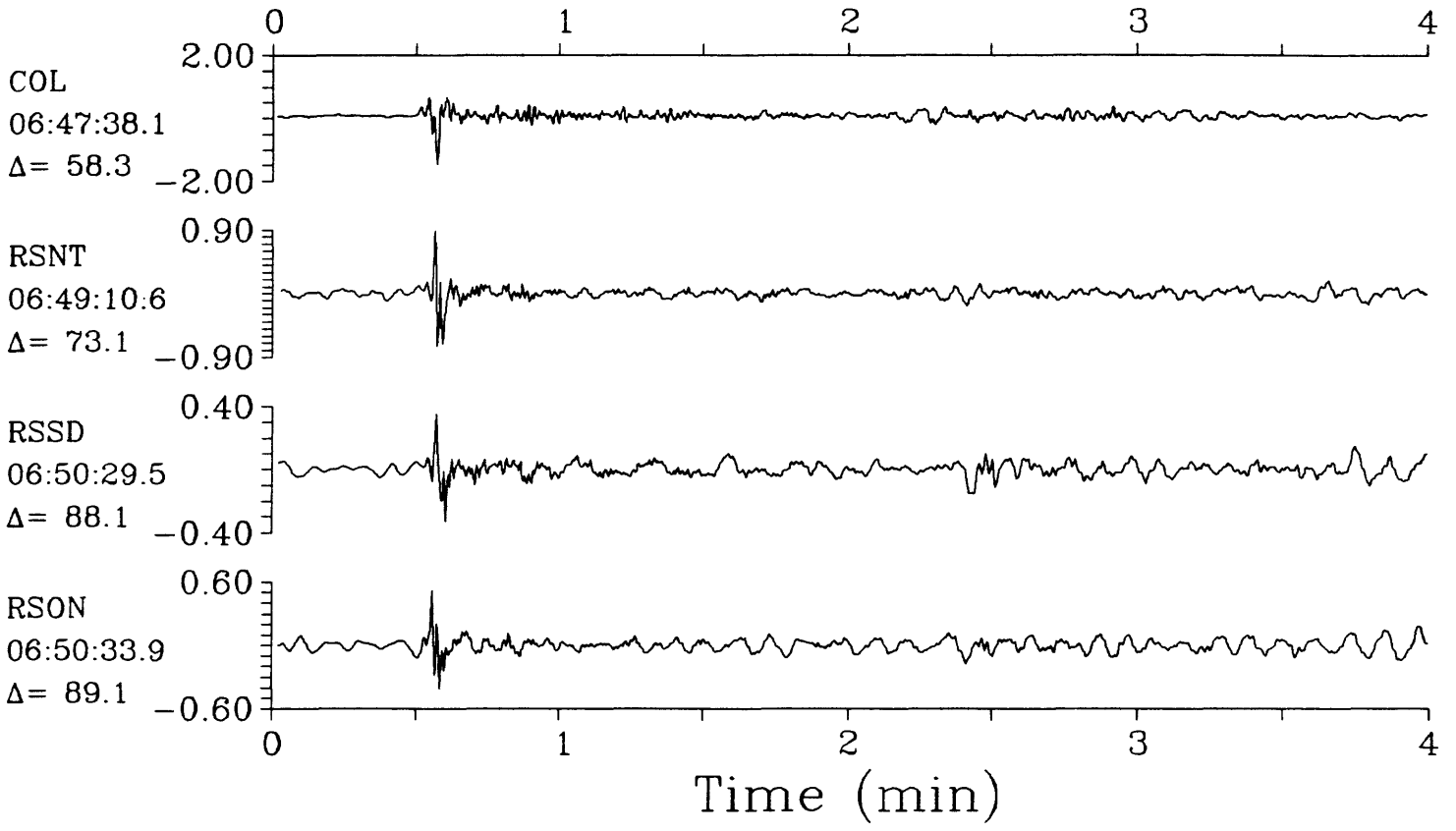




IPZ

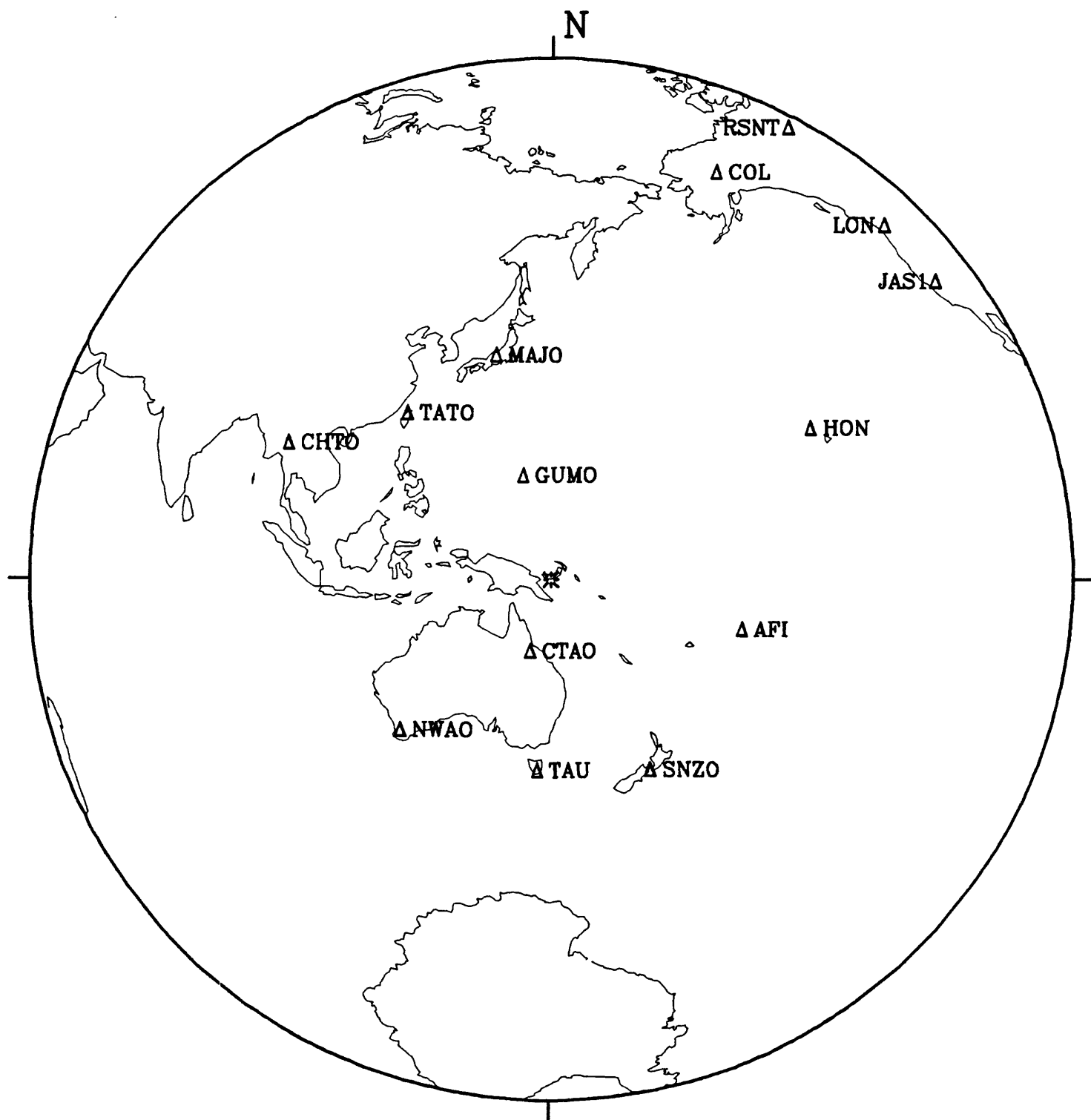
10 September 1985 06:39:01.45
Bonin Islands Region $h=499.1$ $m_b=5.8$

IPZ



10 September 1985 11:52:57.00

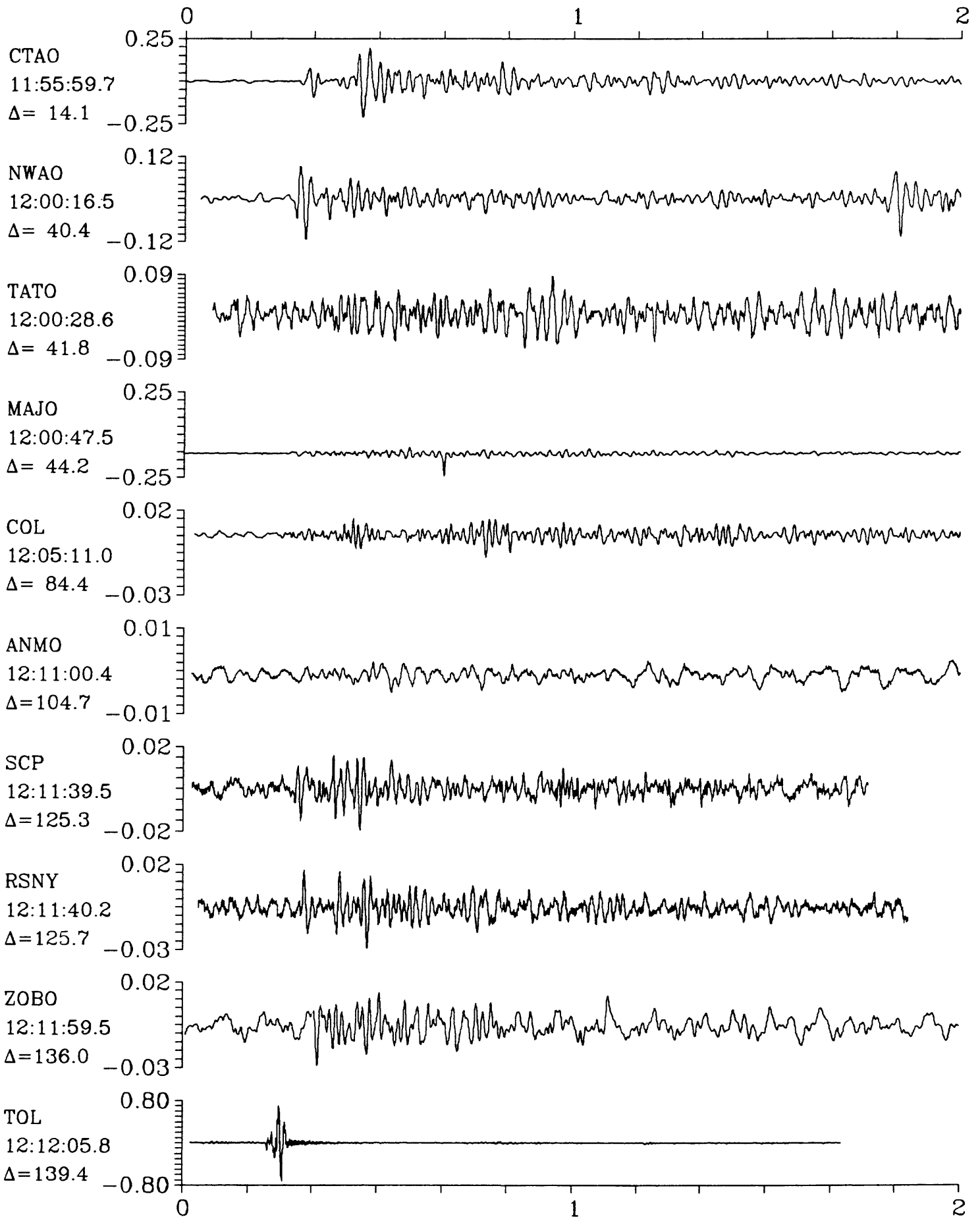
New Britain Region

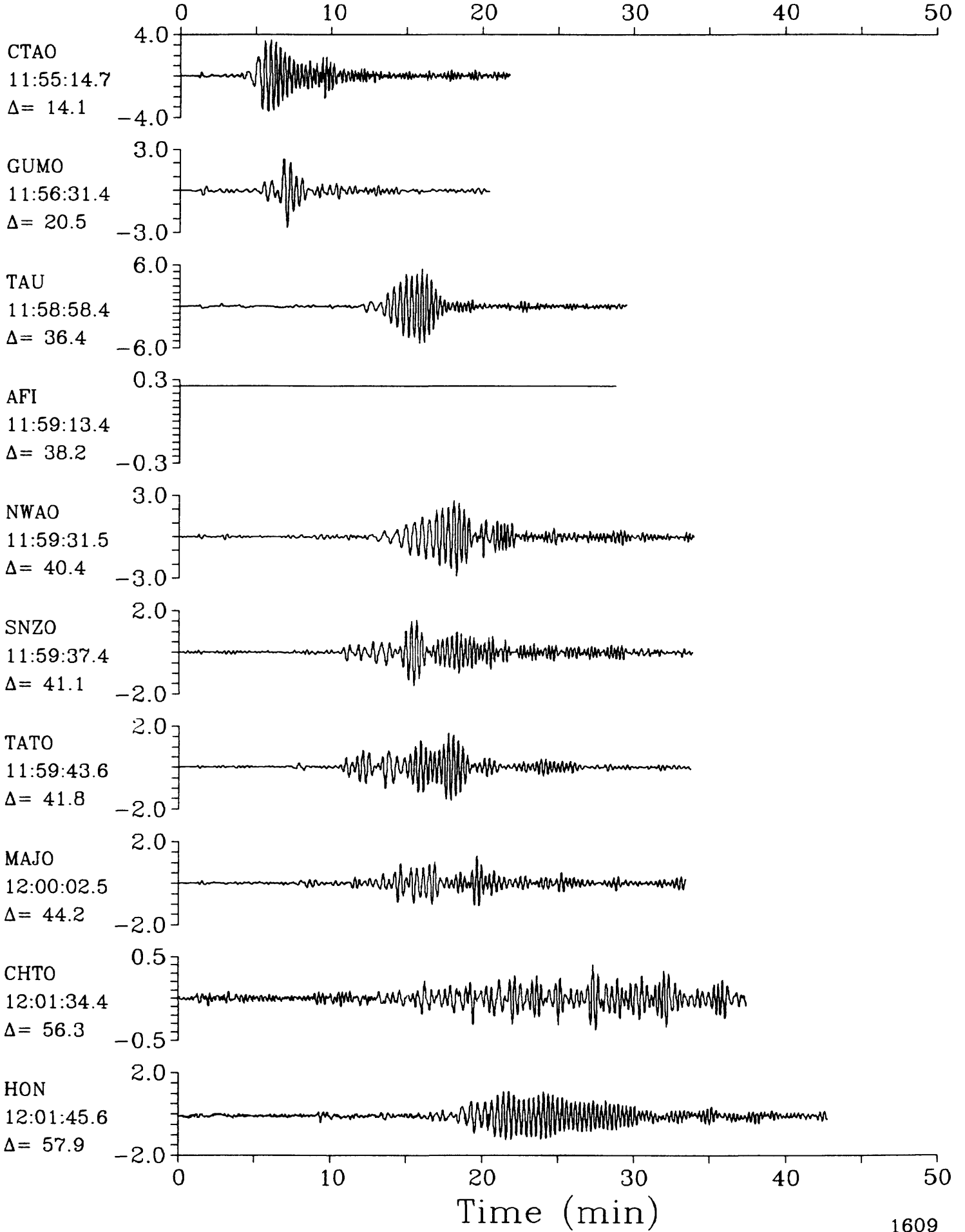


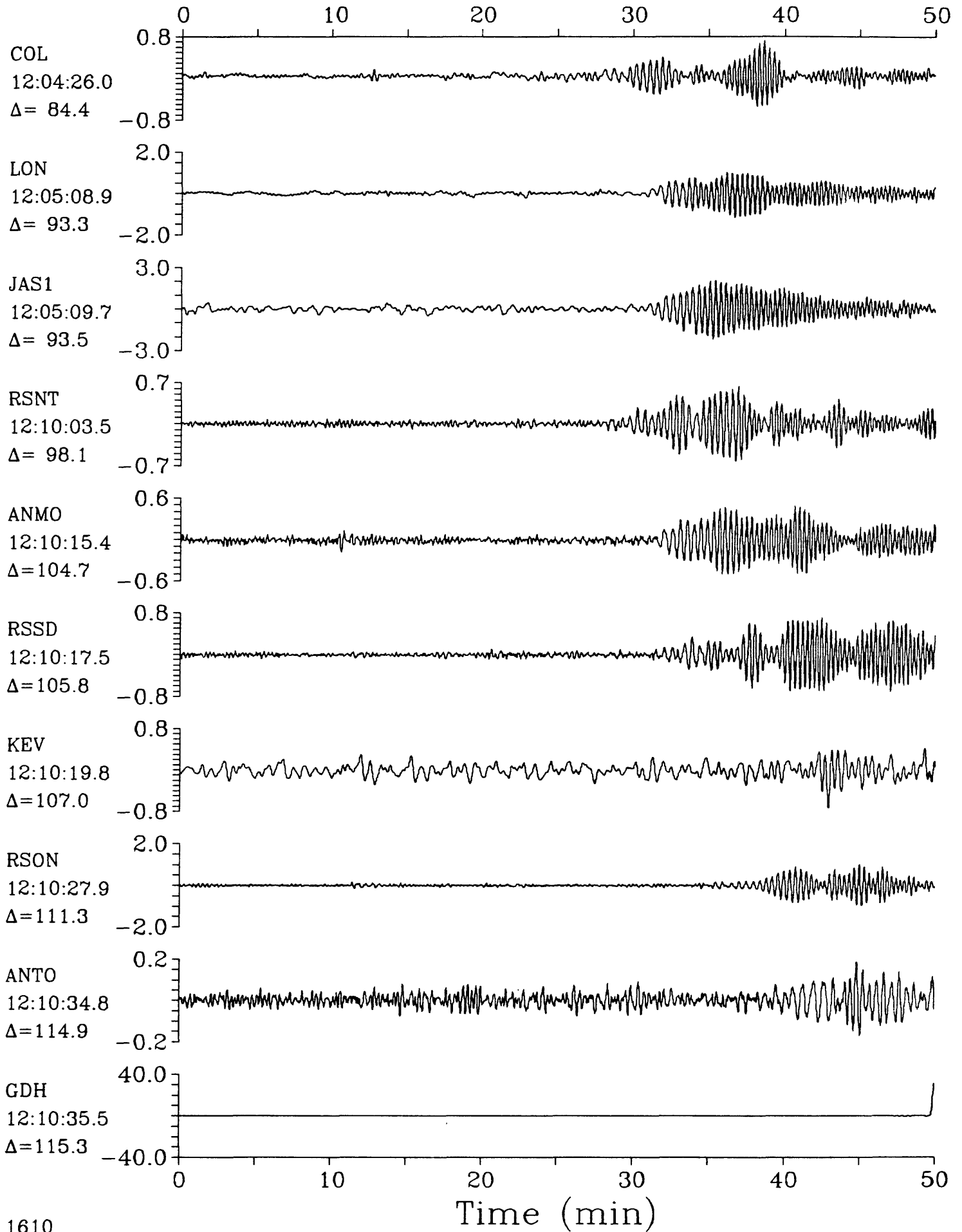
SPZ

10 September 1985 11:52:57.00
New Britain Region $h=36.6$ $m_b=5.6$ $M_{sz}=5.1$

SPZ



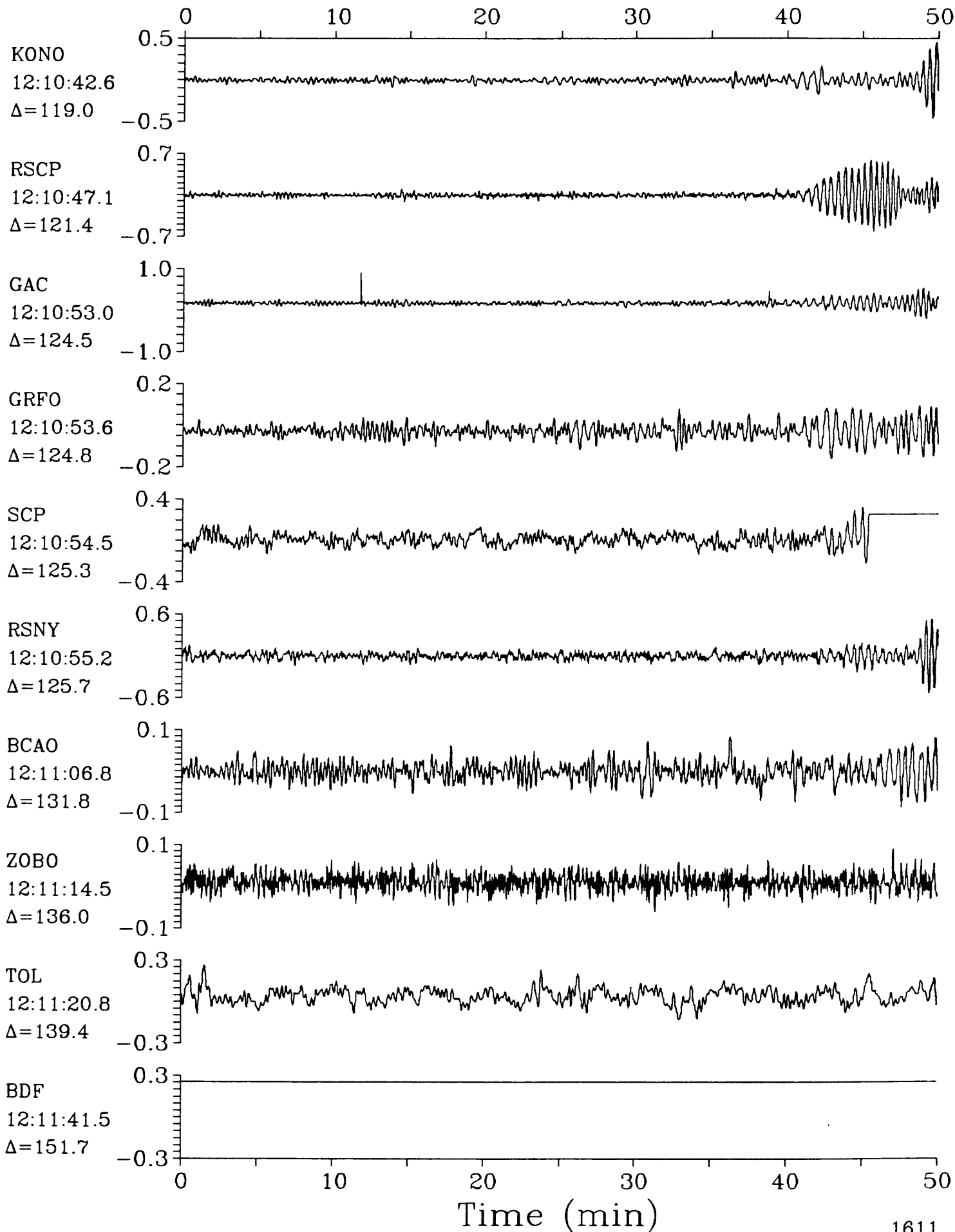


New Britain Region $h=36.6$ $m_b=5.6$ $M_{sz}=5.1$ 

LPZ

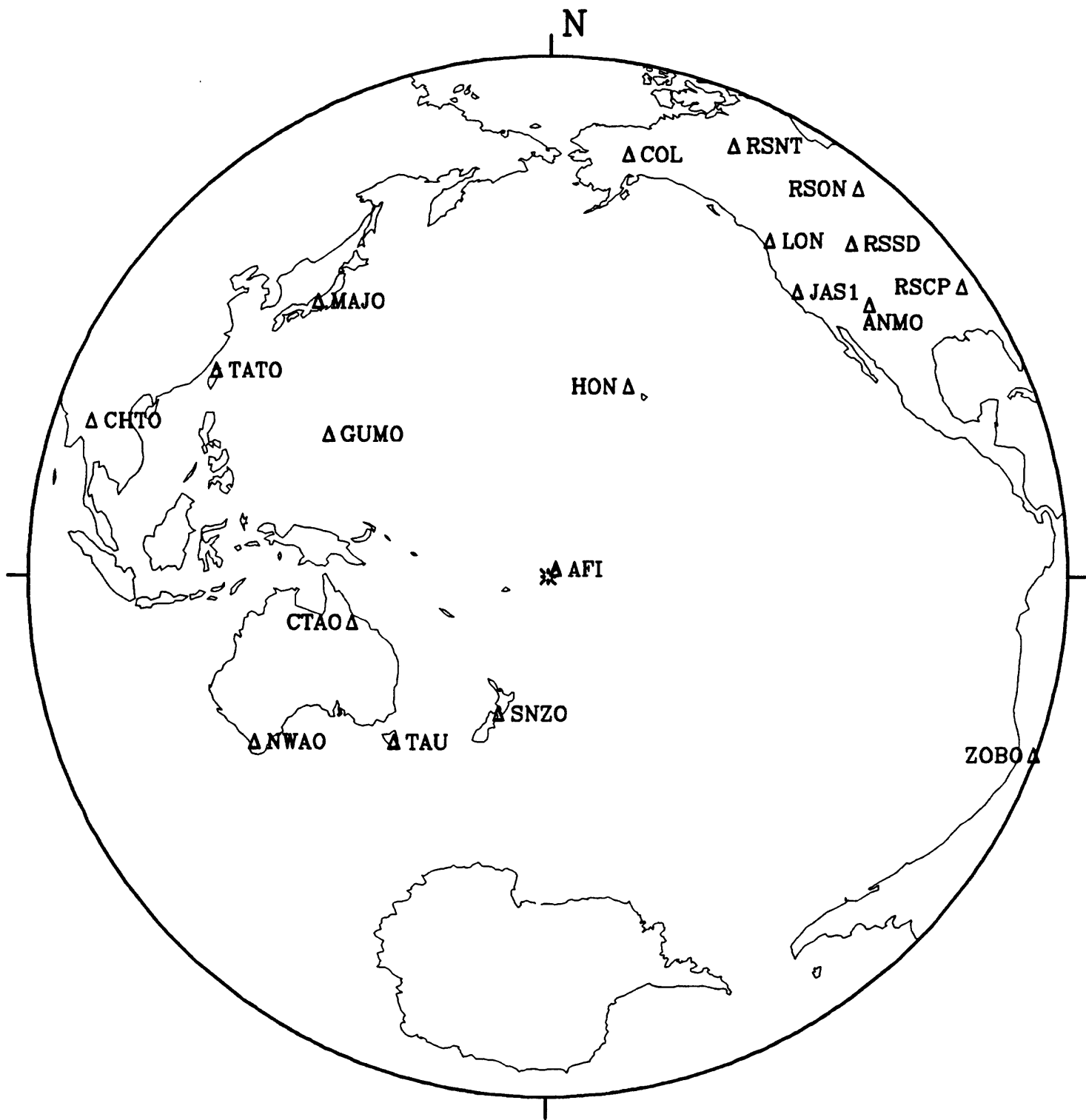
10 September 1985 11:52:57.00

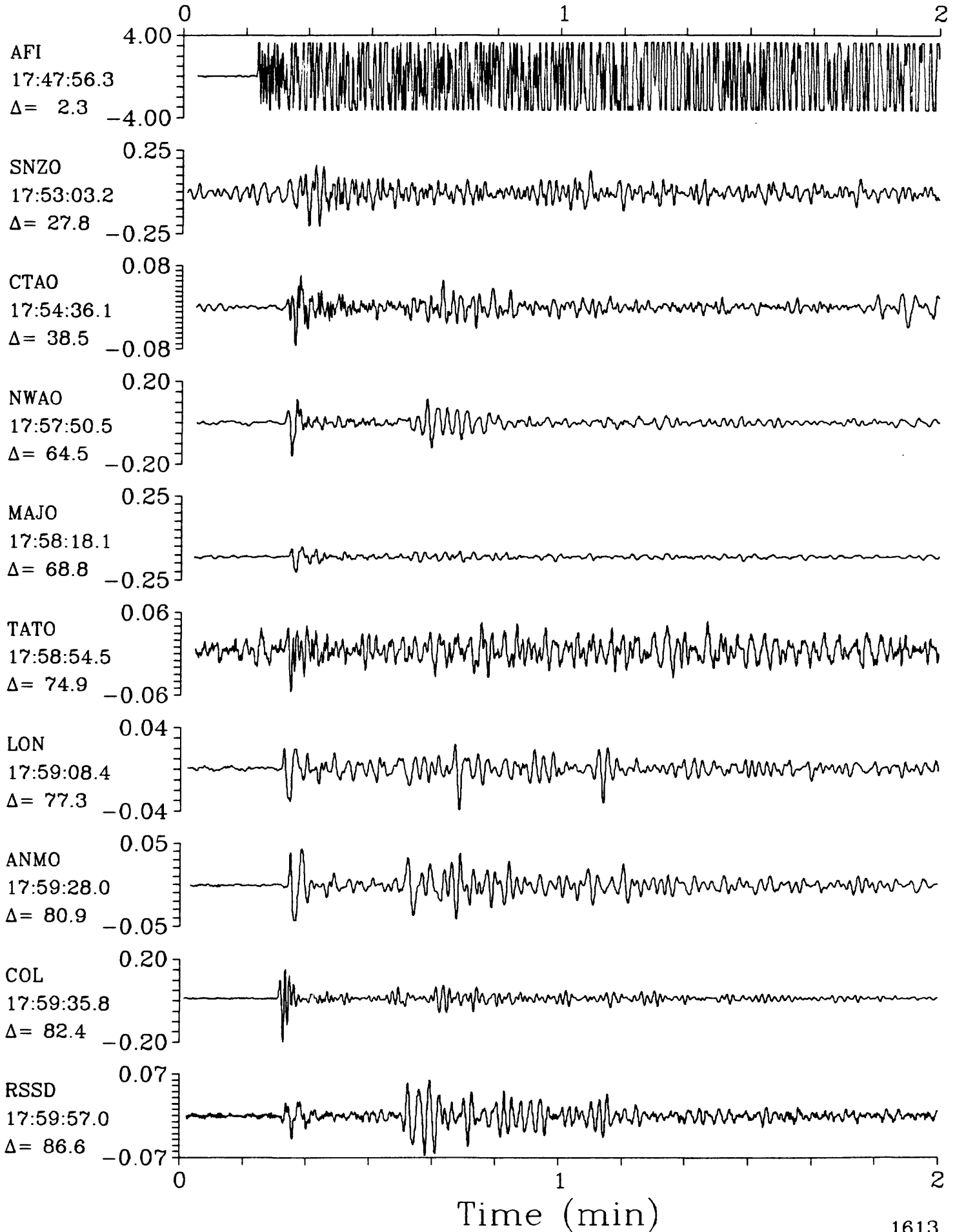
LPZ

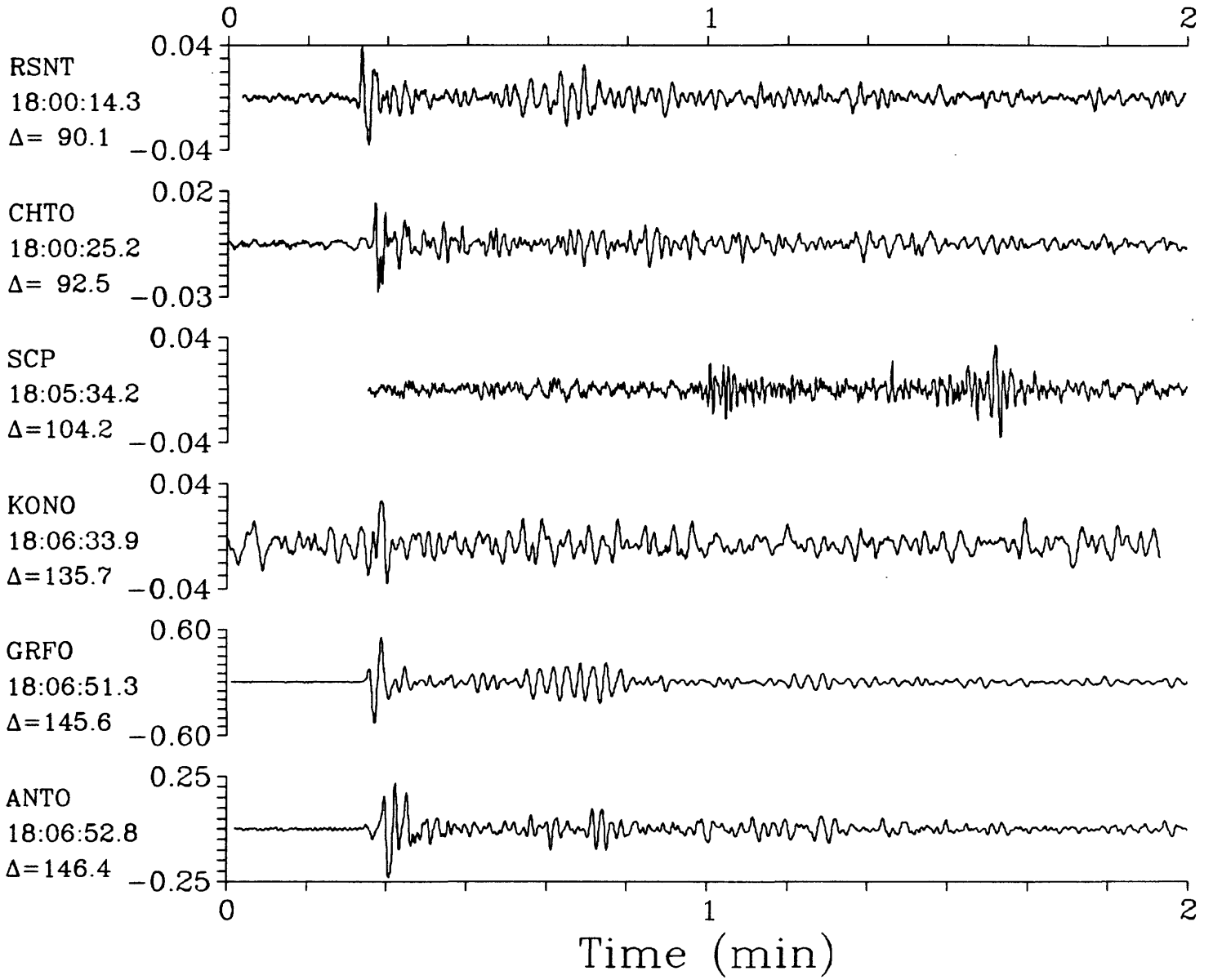
New Britain Region $h=36.6$ $m_b=5.6$ $M_{sz}=5.1$ 

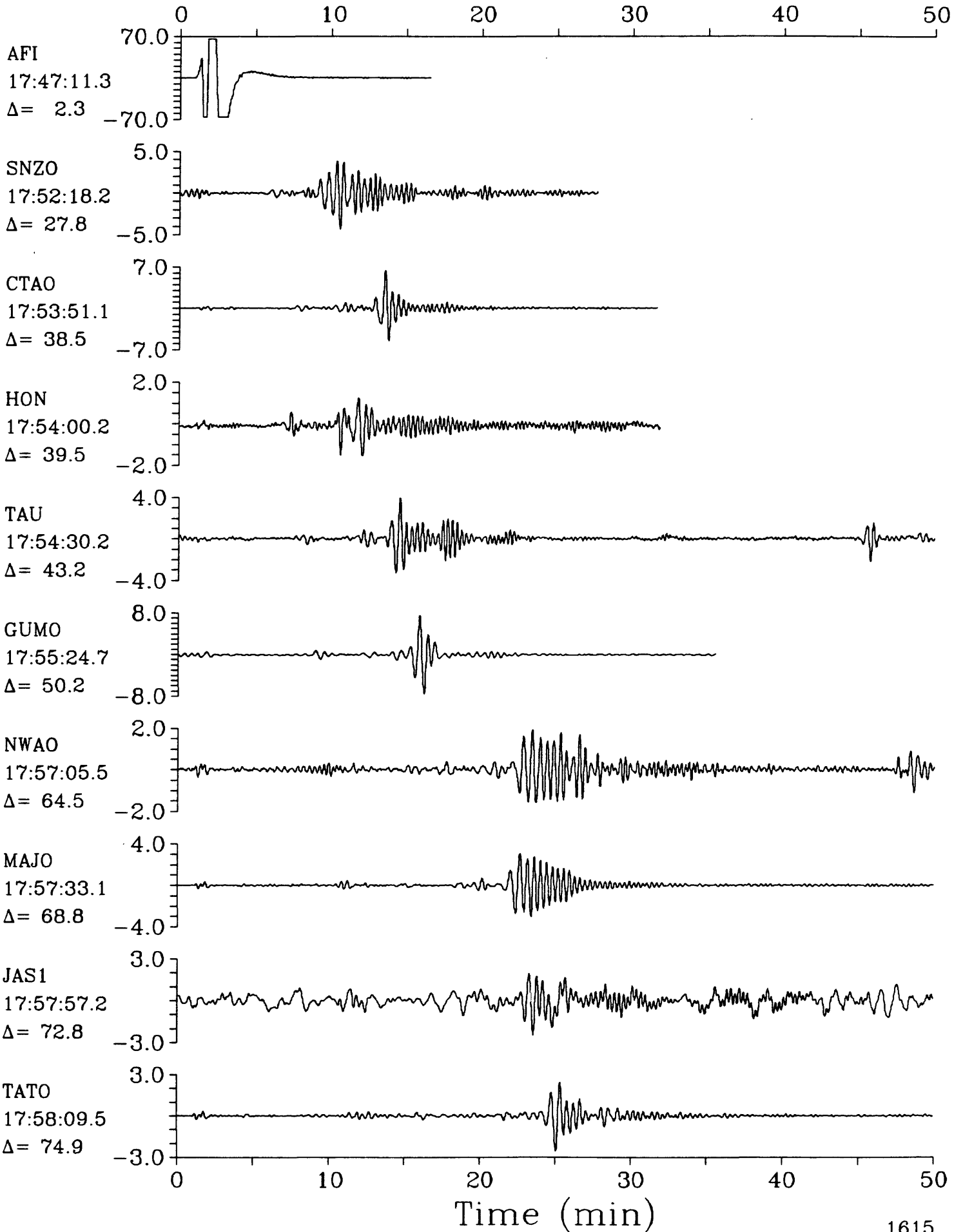
11 September 1985 17:47:35.72

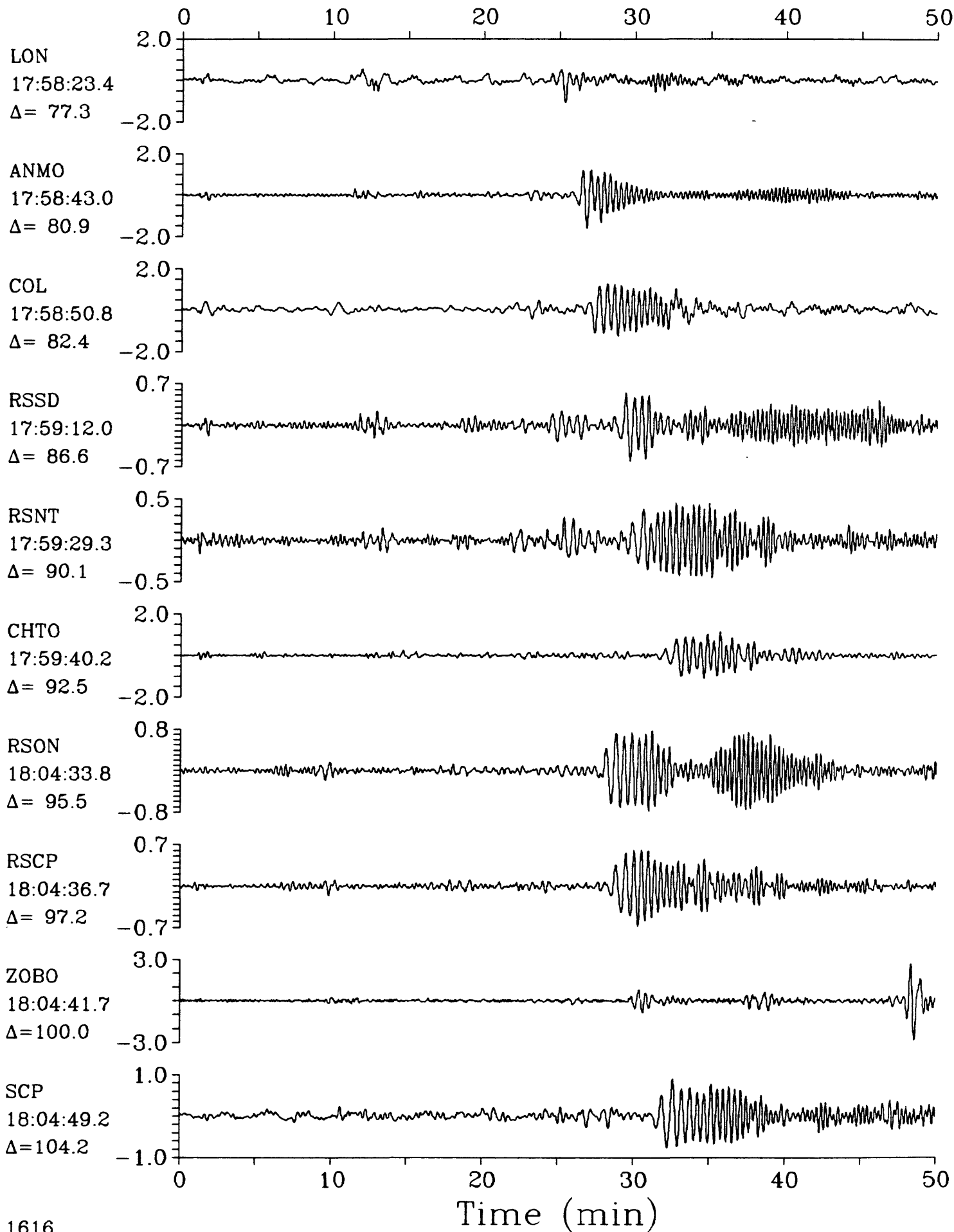
Tonga Islands

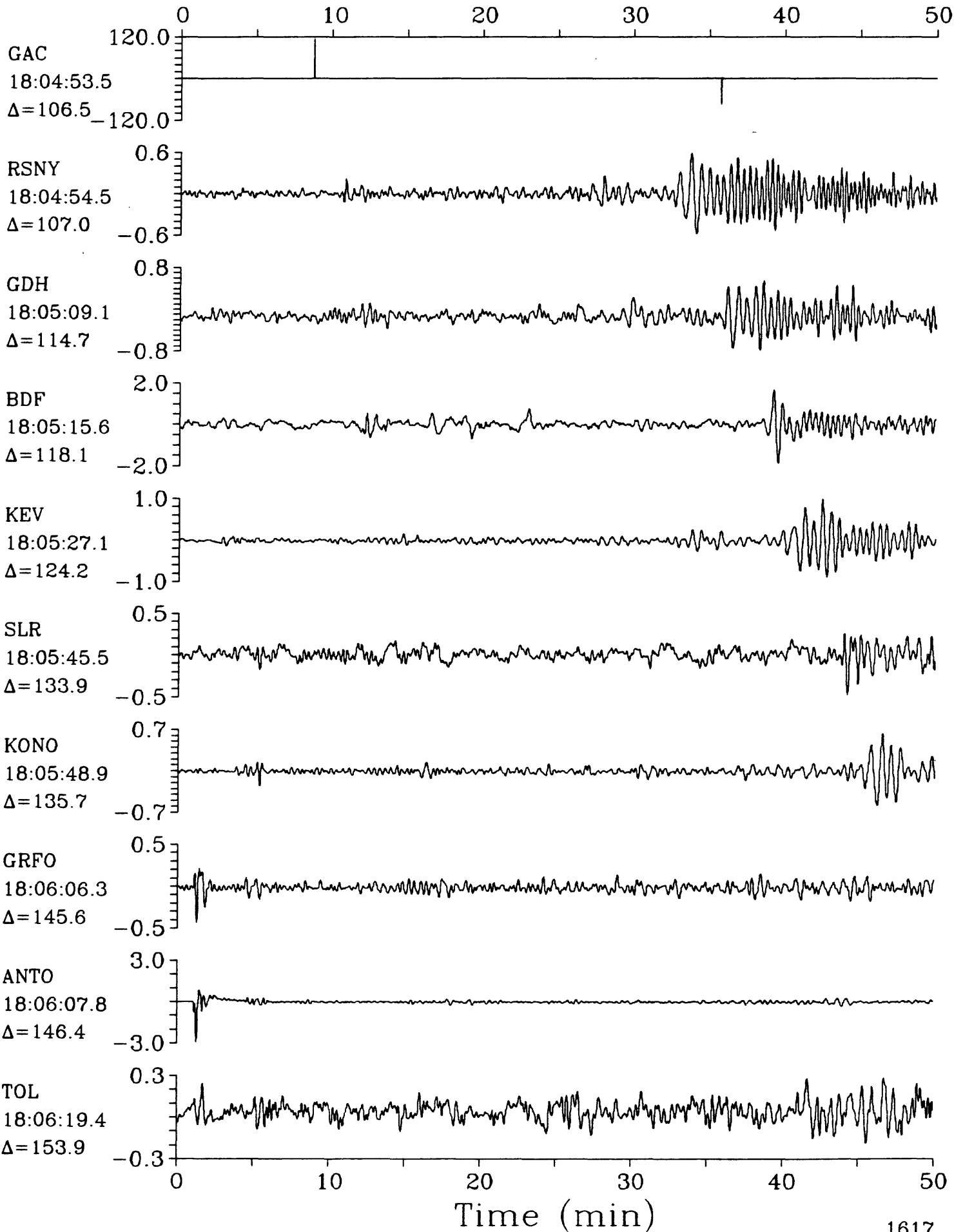










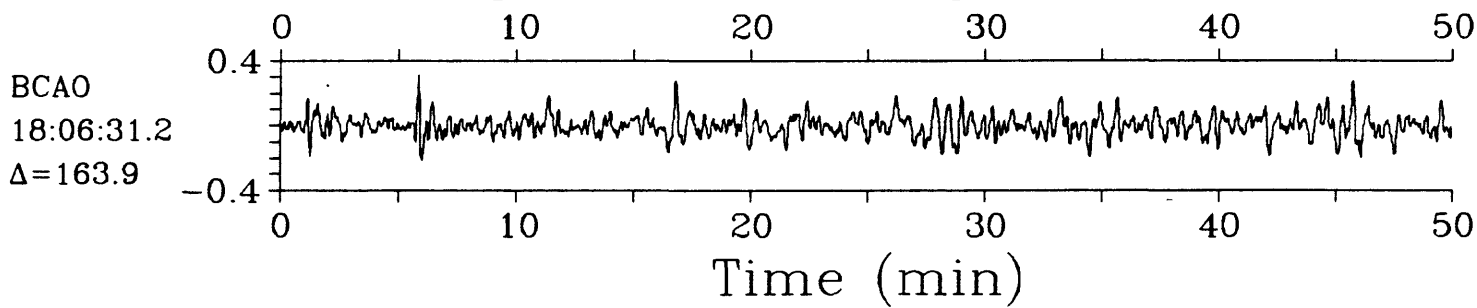


LPZ

11 September 1985 17:47:35.72

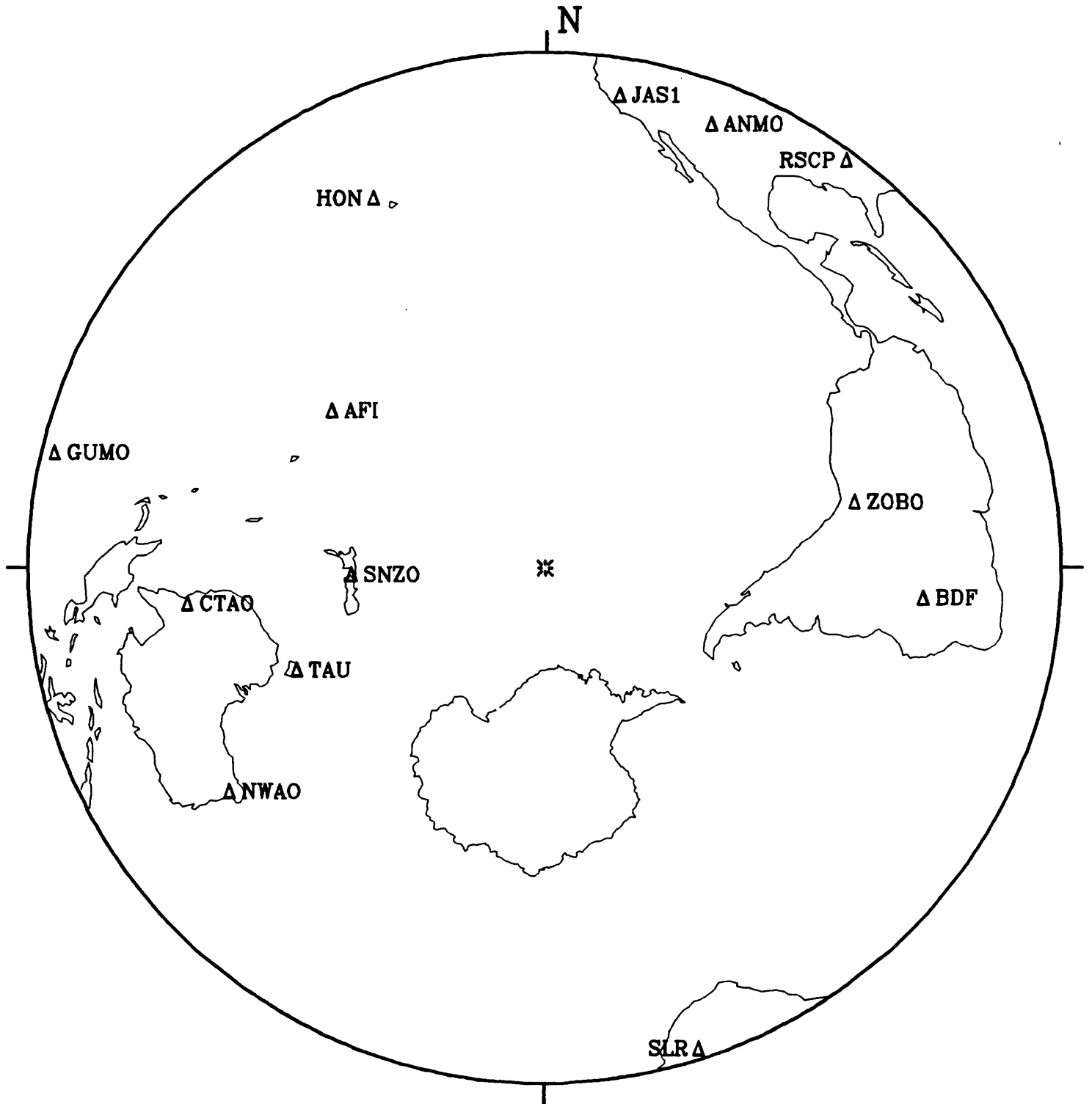
LPZ

Tonga Islands $h=68.8$ $m_b=5.7$



11 September 1985 18:23:02.94

South Pacific Cordillera

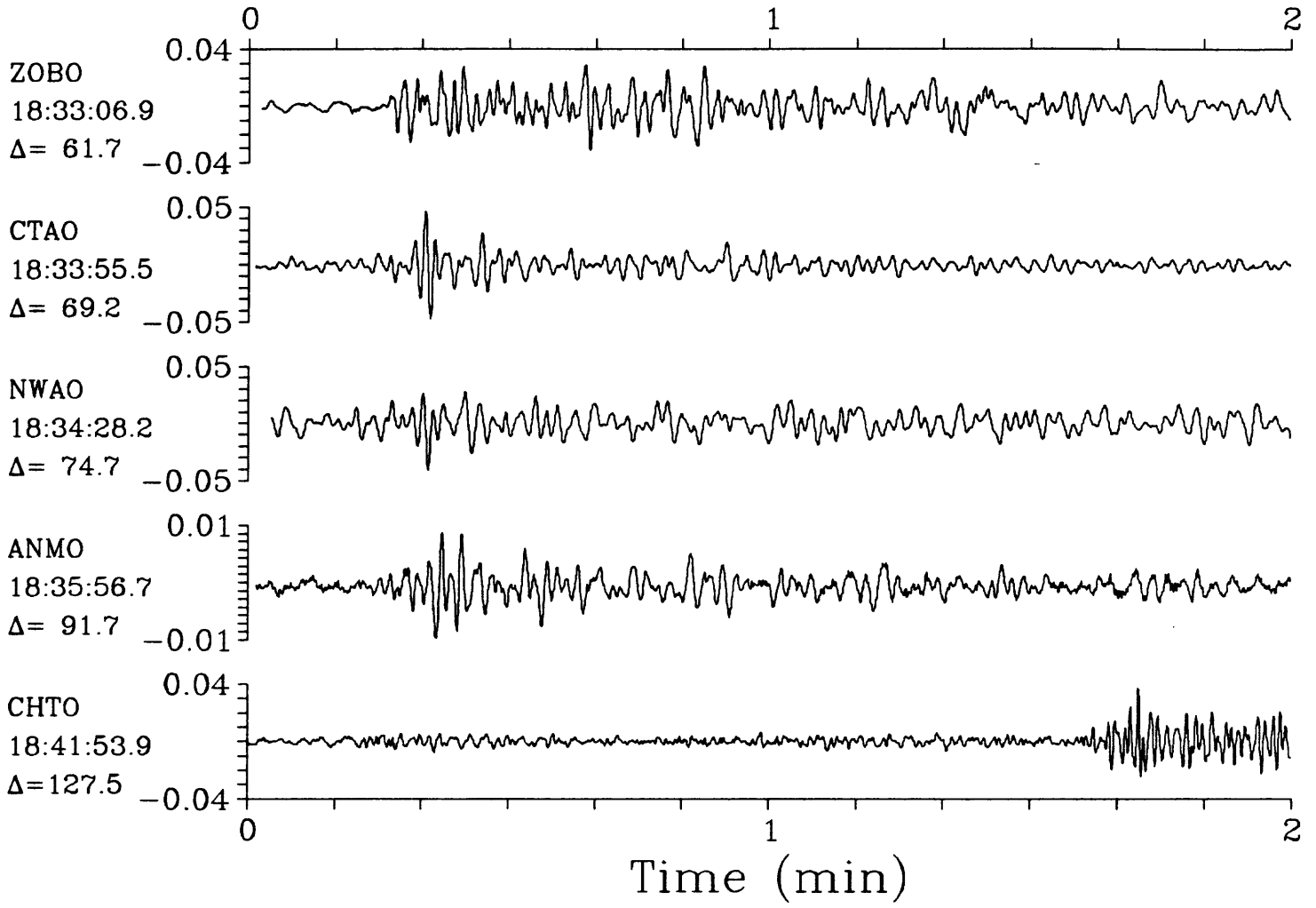


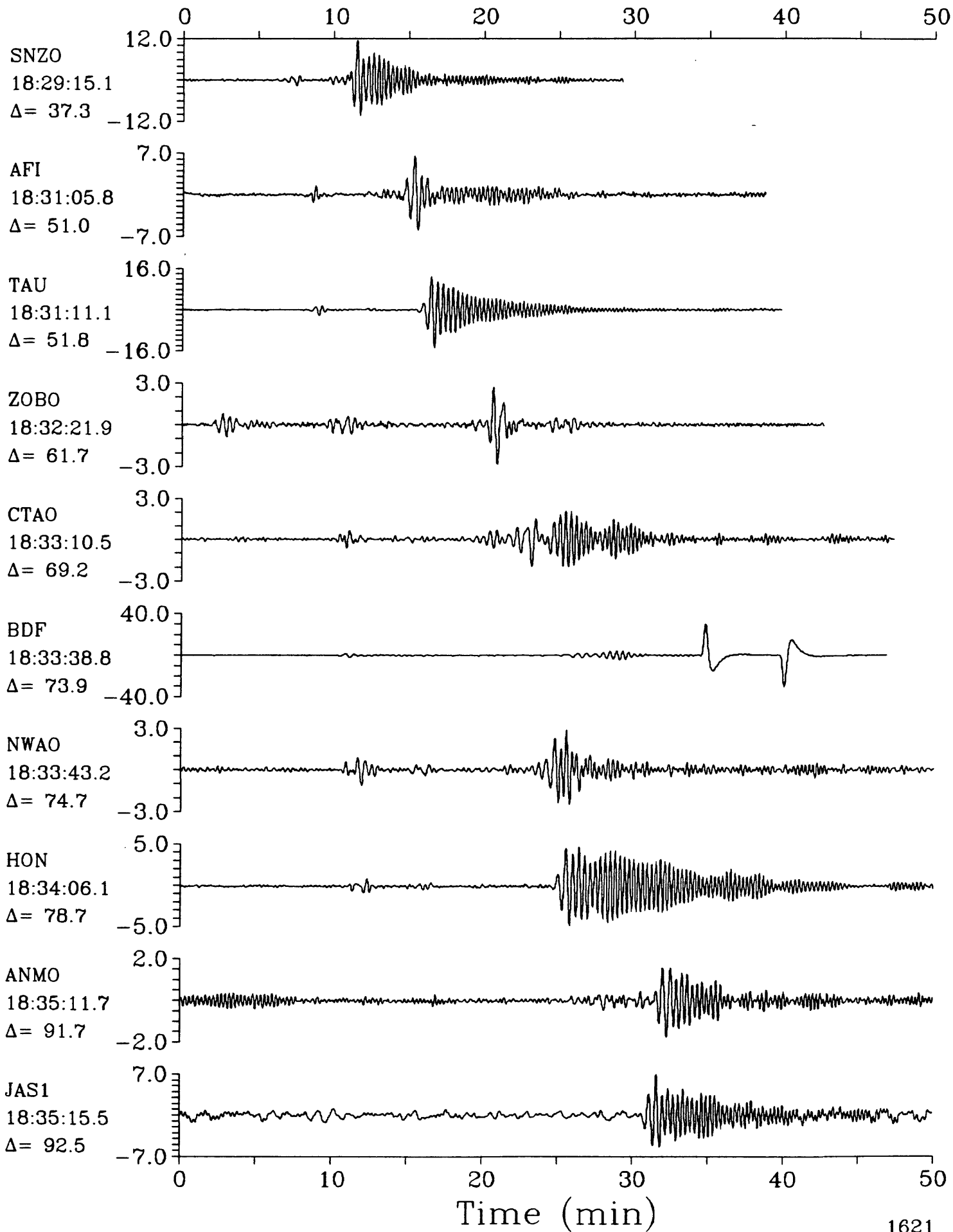
SPZ

11 September 1985 18:23:02.94

SPZ

South Pacific Cordillera $h=10.0$ $m_b=5.3$ $M_{SZ}=5.5$

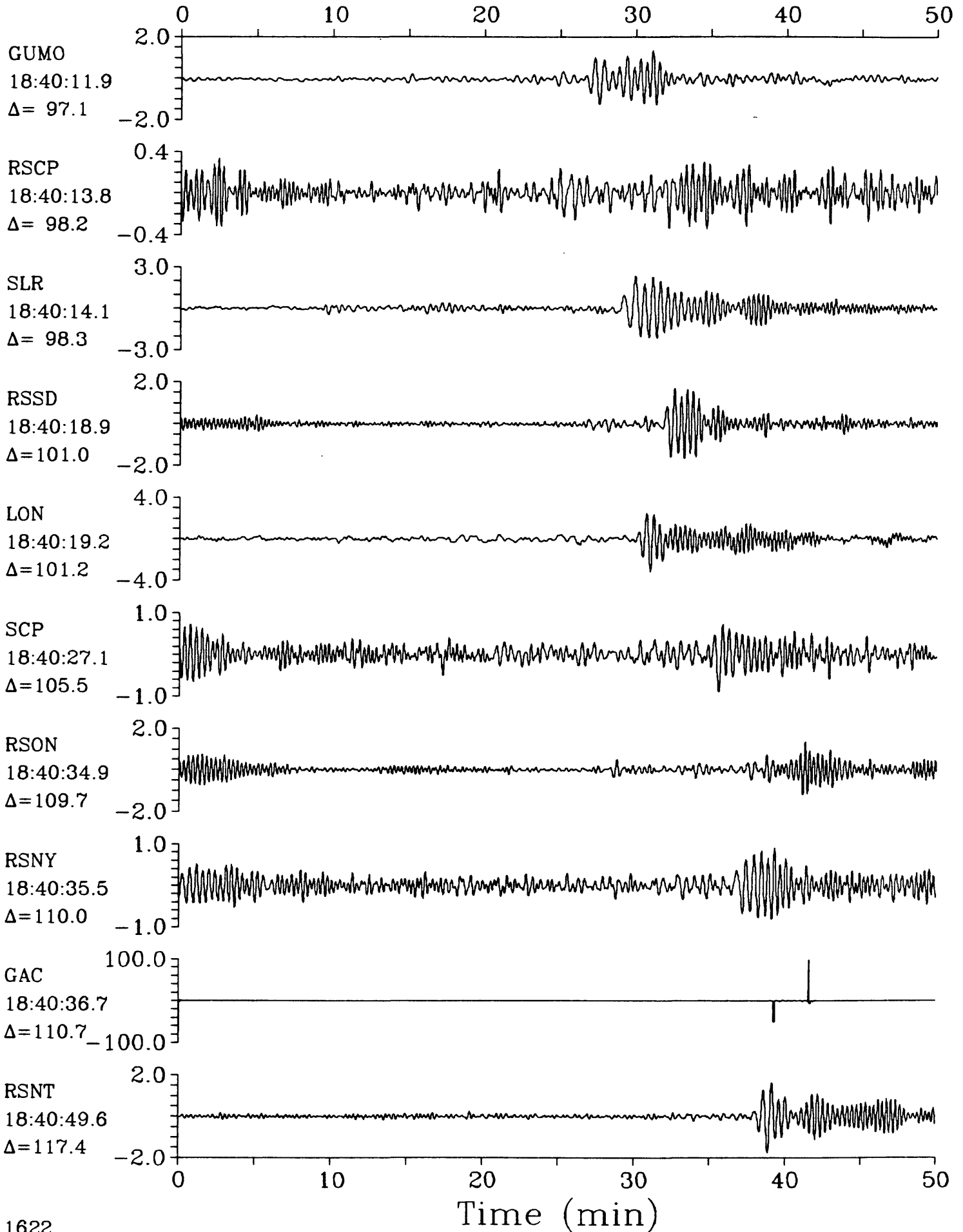


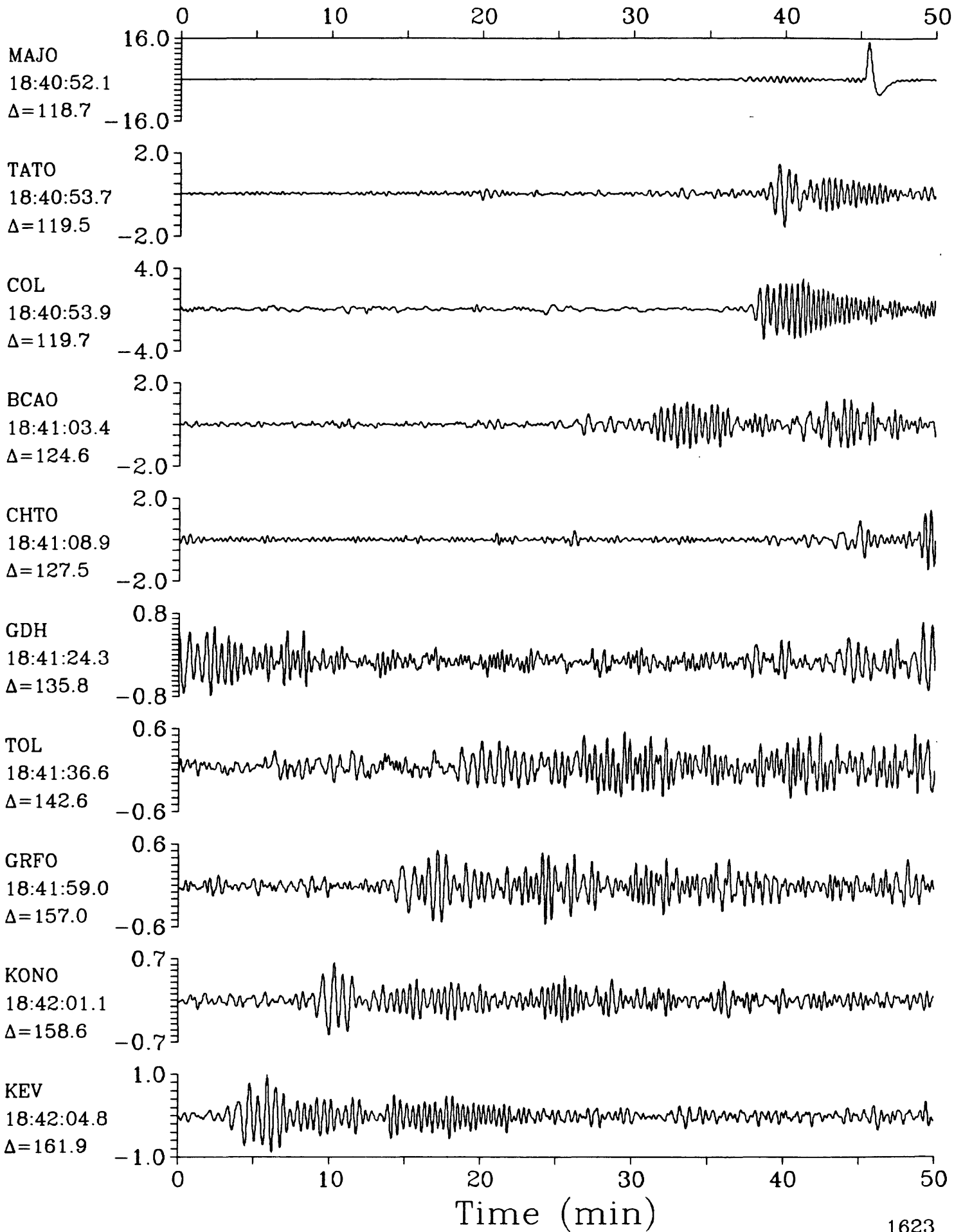
South Pacific Cordillera $h=10.0$ $m_b=5.3$ $M_{sz}=5.5$ 

LPZ

11 September 1985 18:23:02.94

LPZ

South Pacific Cordillera $h=10.0$ $m_b=5.3$ $M_{sz}=5.5$ 



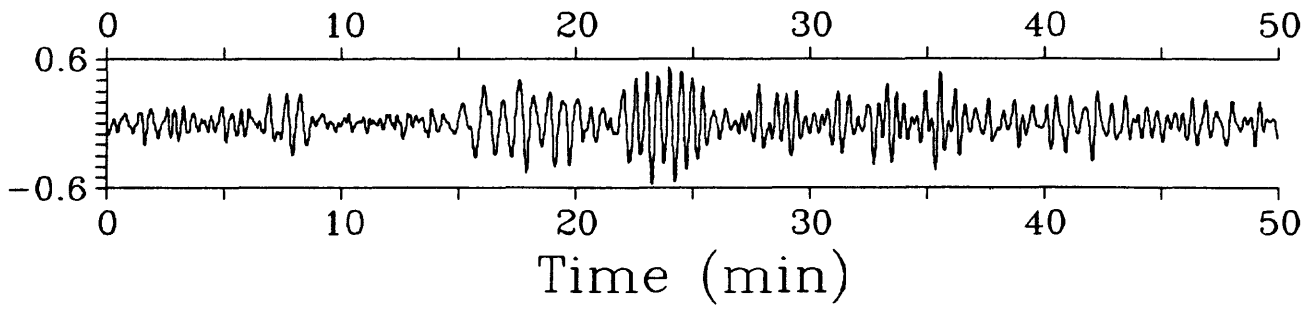
LPZ

11 September 1985 18:23:02.94

LPZ

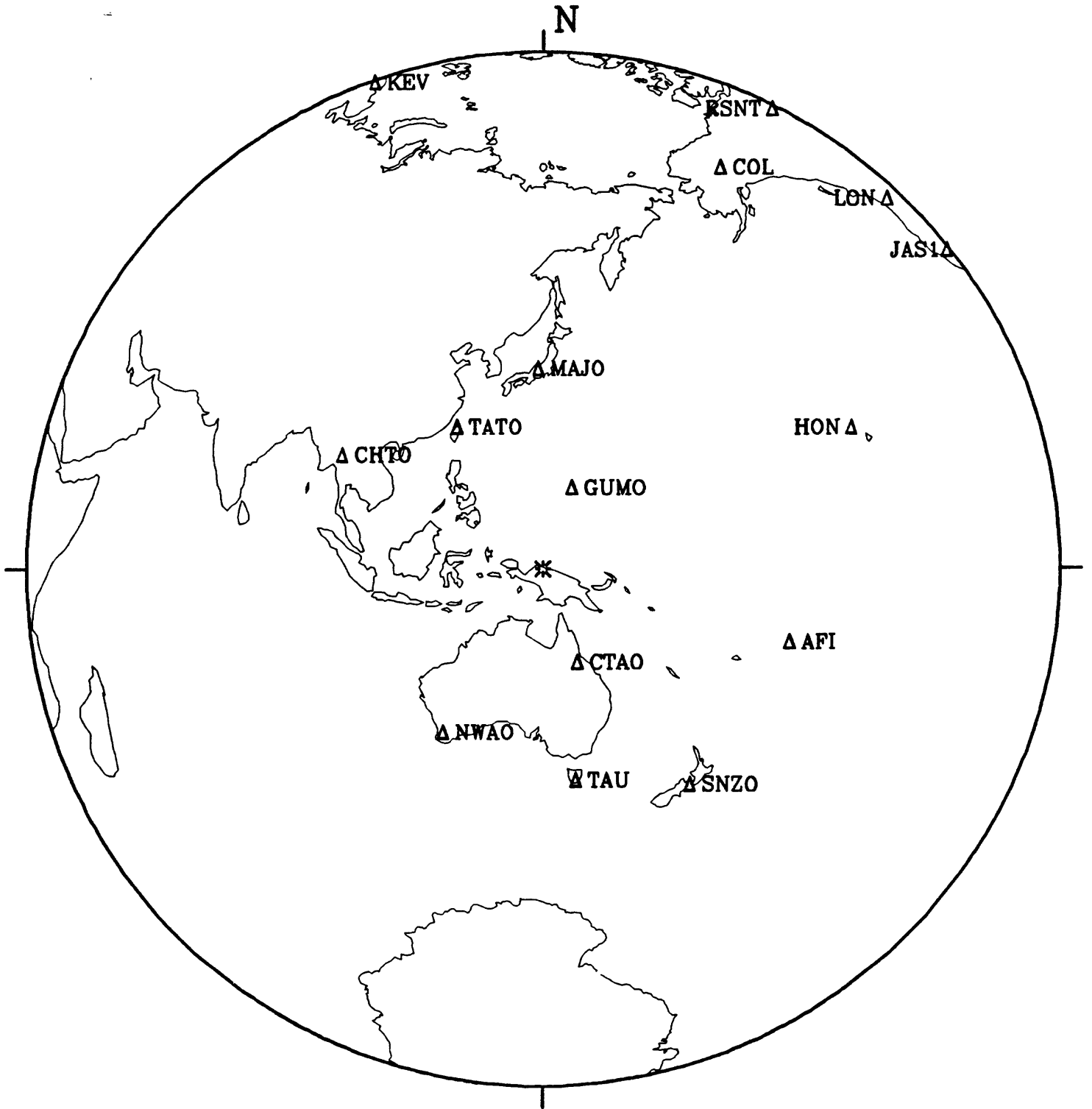
South Pacific Cordillera $h=10.0$ $m_b=5.3$ $M_{sz}=5.5$

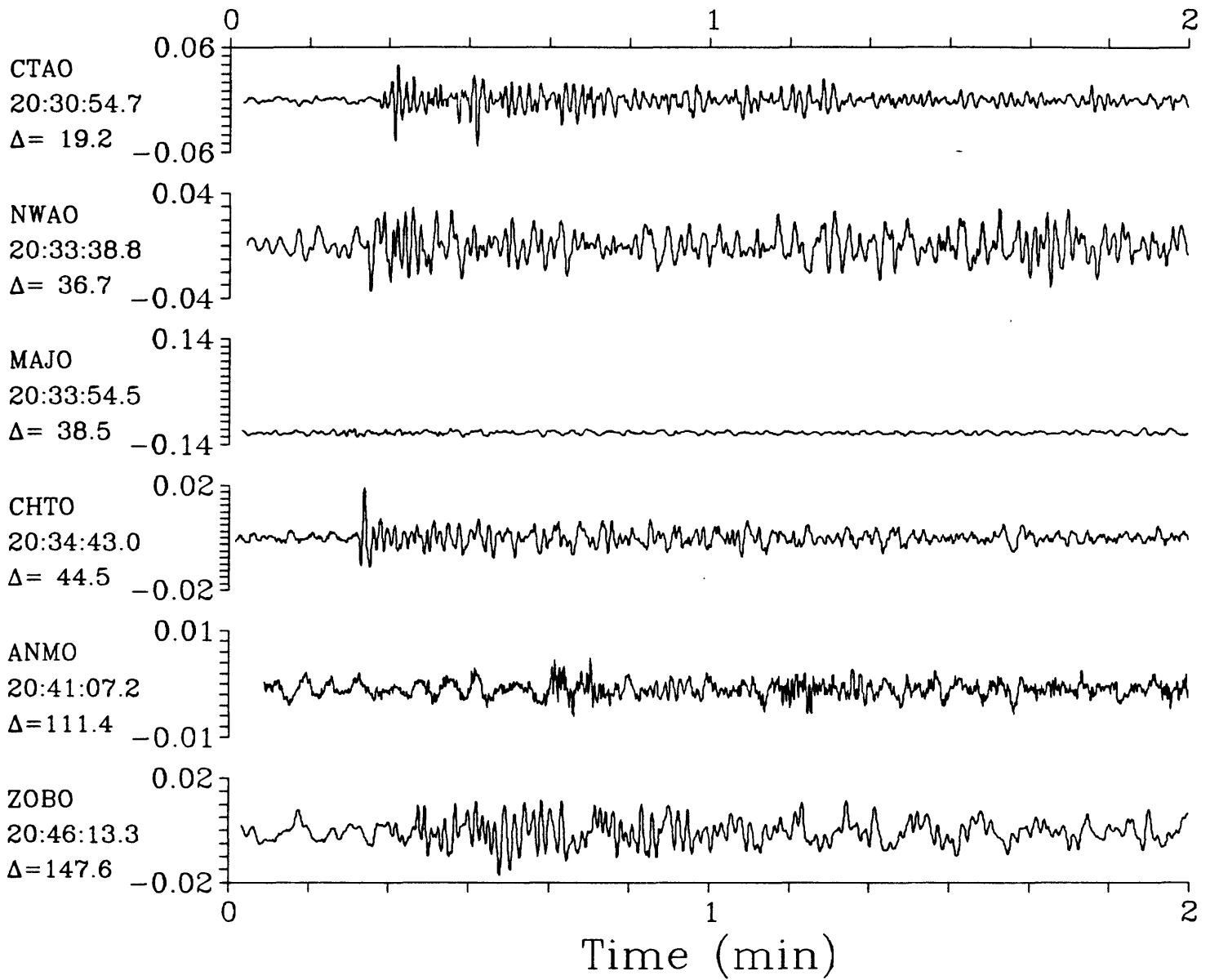
ANTO
18:42:04.9
 $\Delta=162.1$

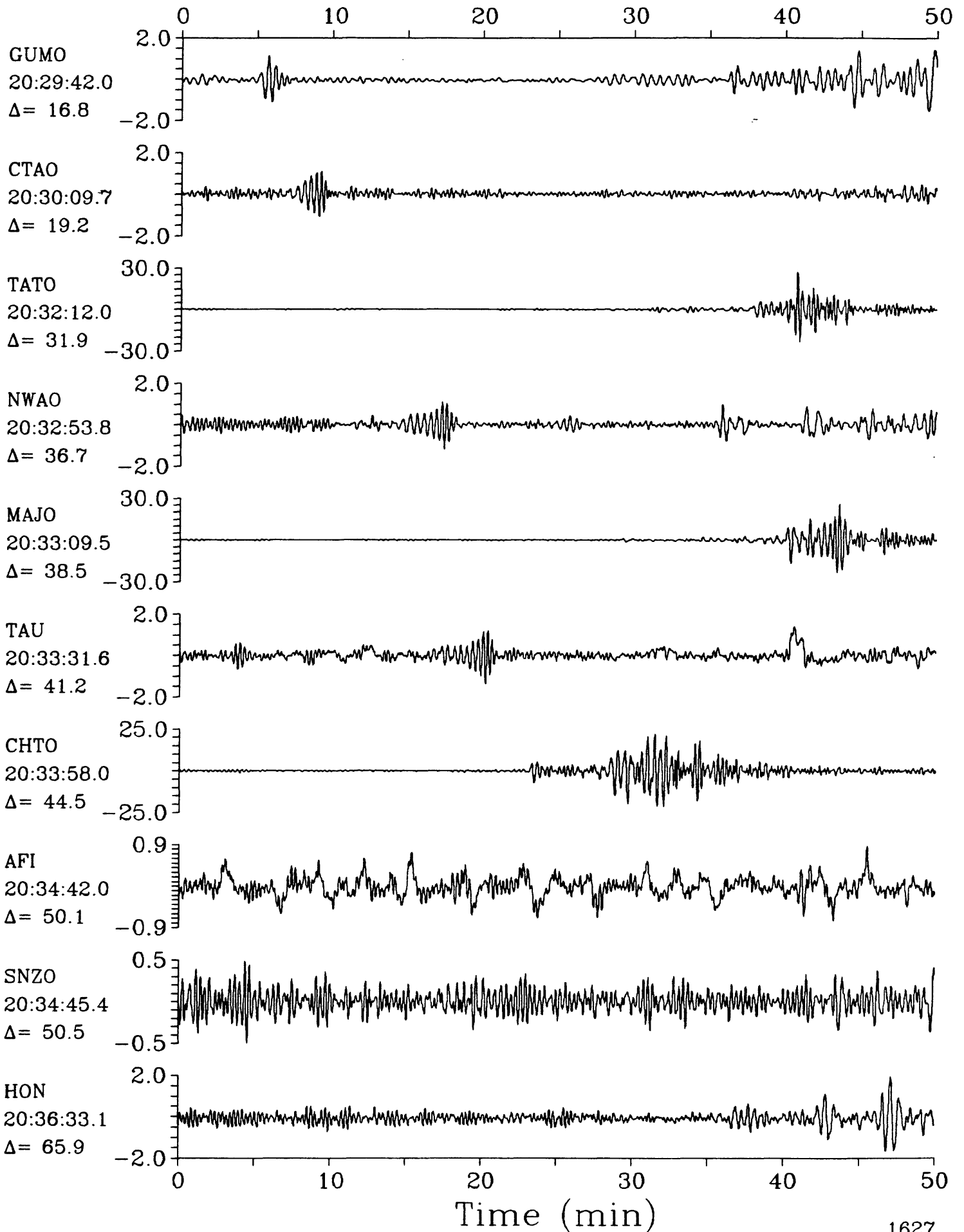


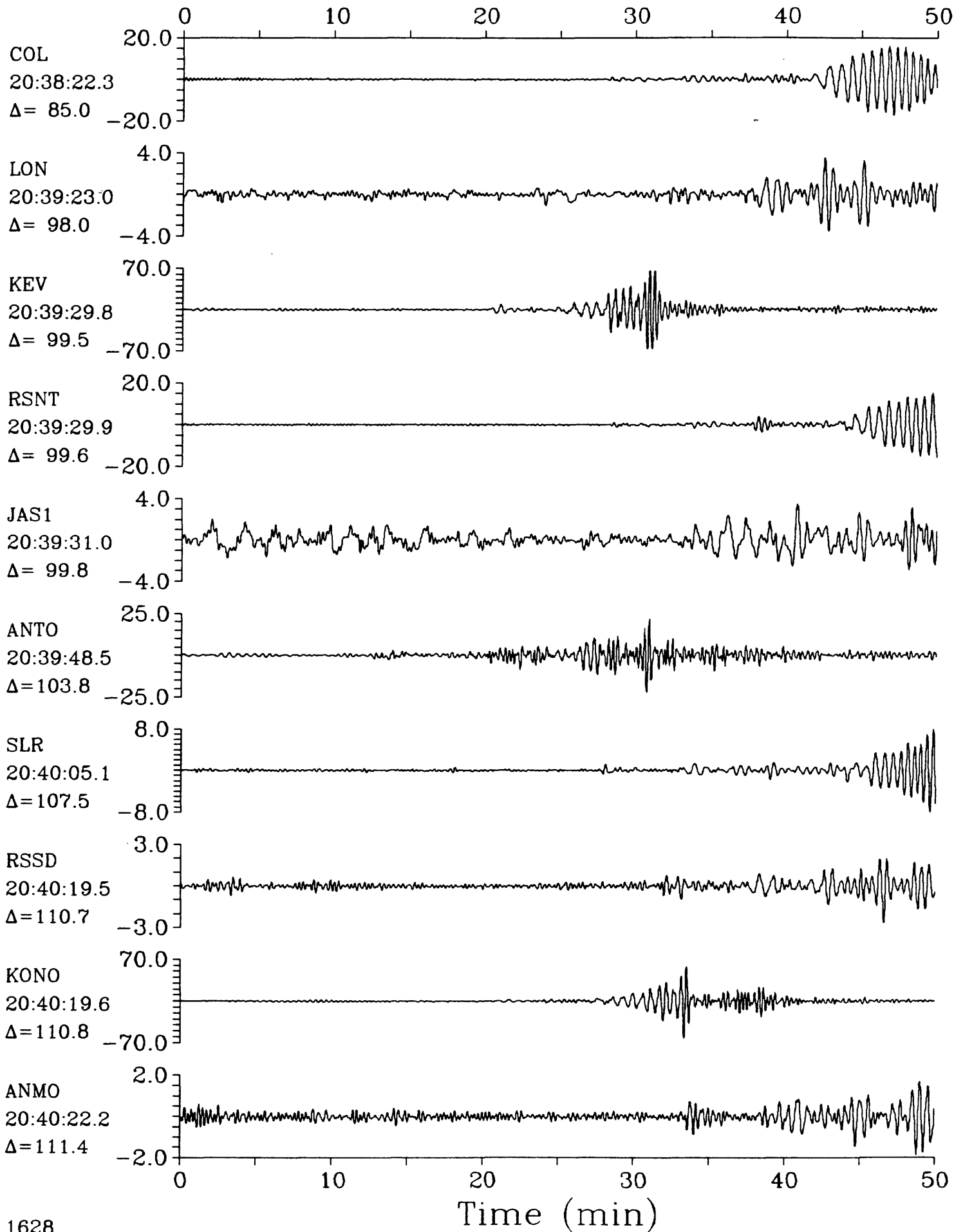
11 September 1985 20:26:49.73

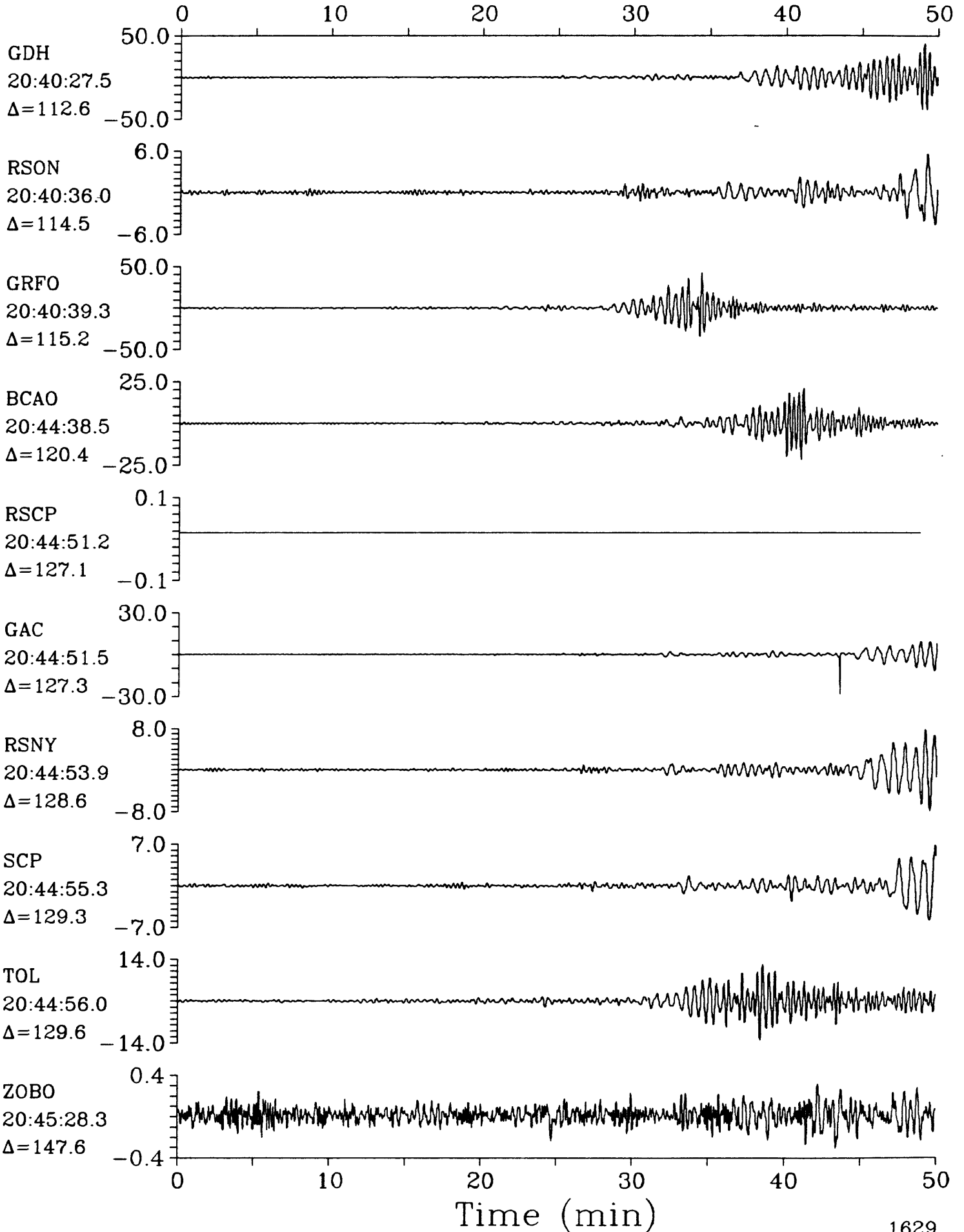
West Irian







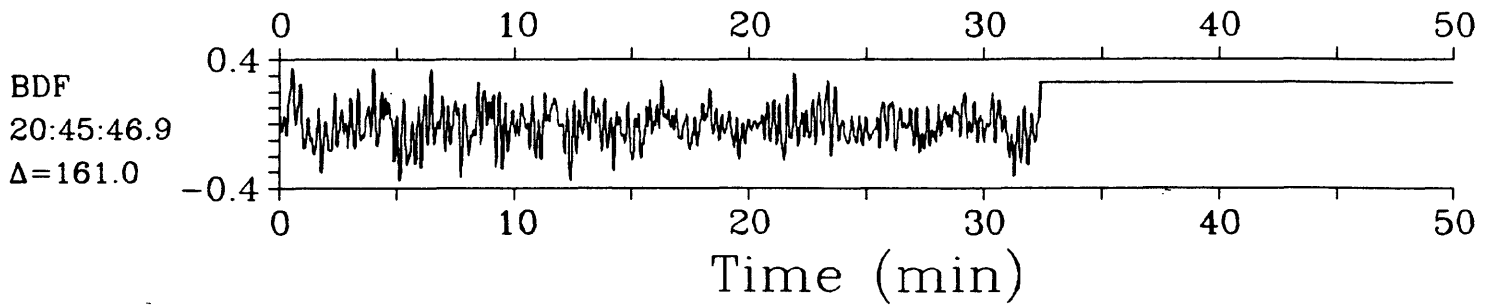




LPZ

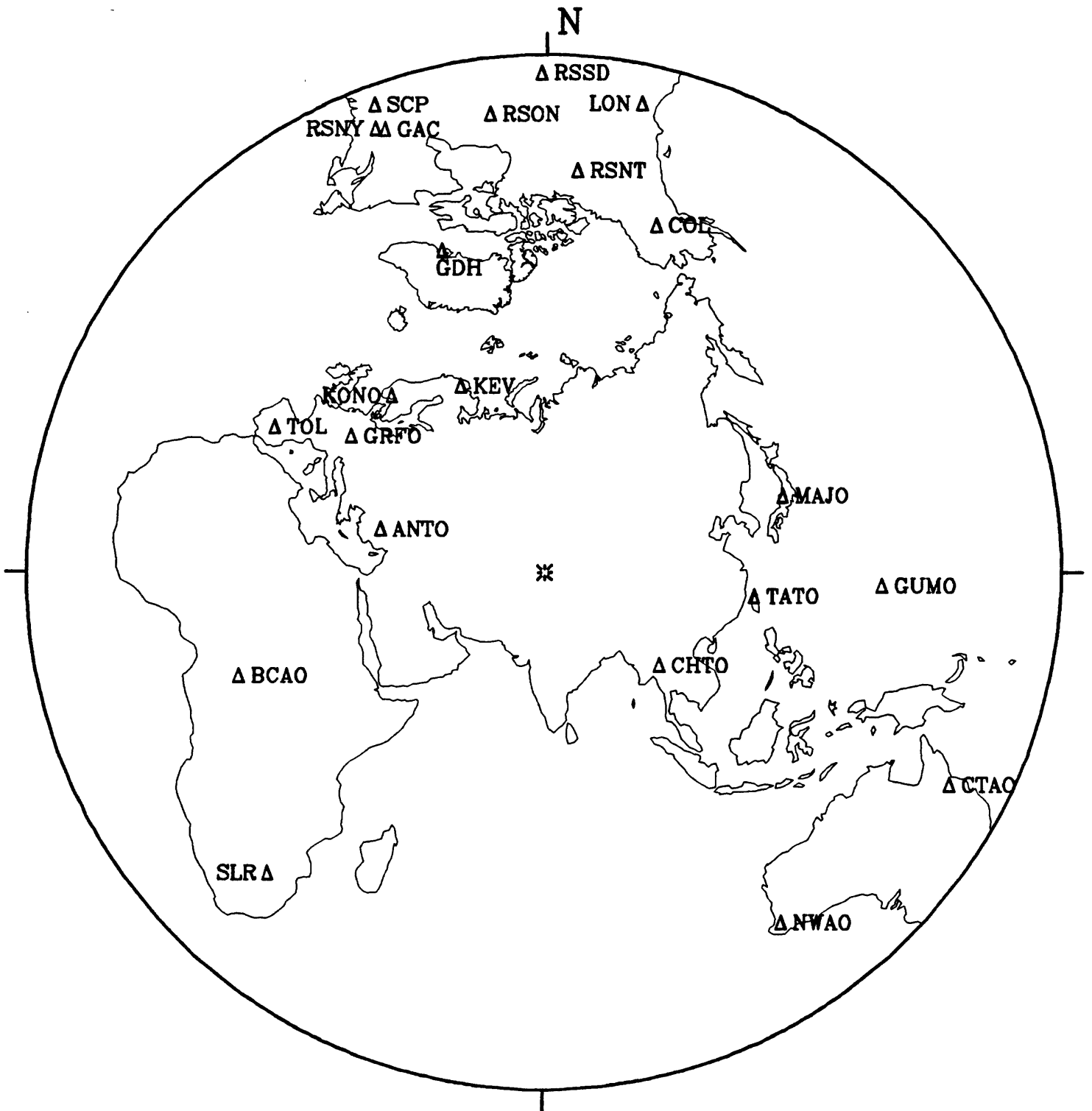
11 September 1985 20:26:49.73
West Irian $h=33.0$ $m_b=5.1$ $M_{SZ}=6.3$

LPZ



11 September 1985 20:45:51.79

Southern Xinjiang, China

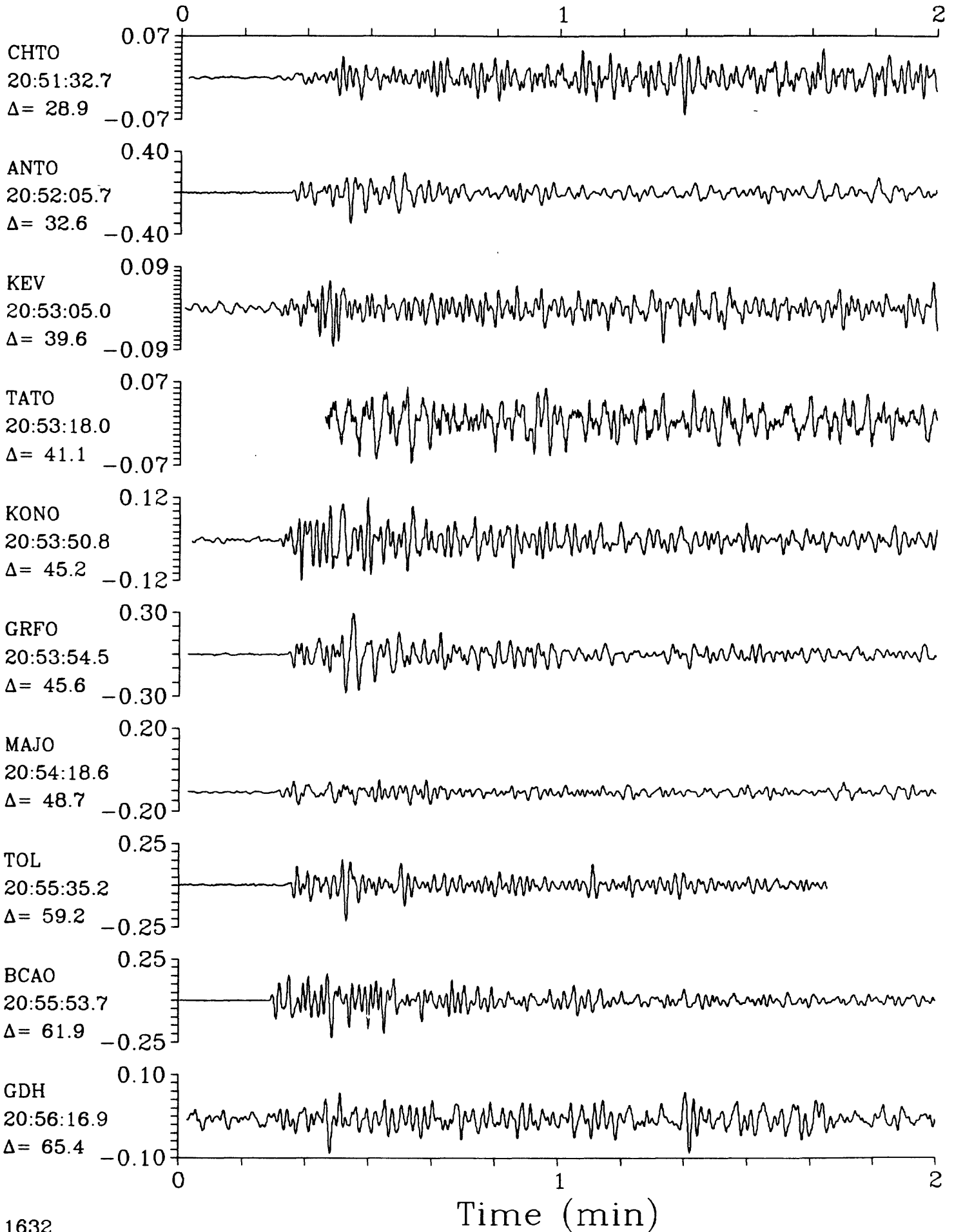


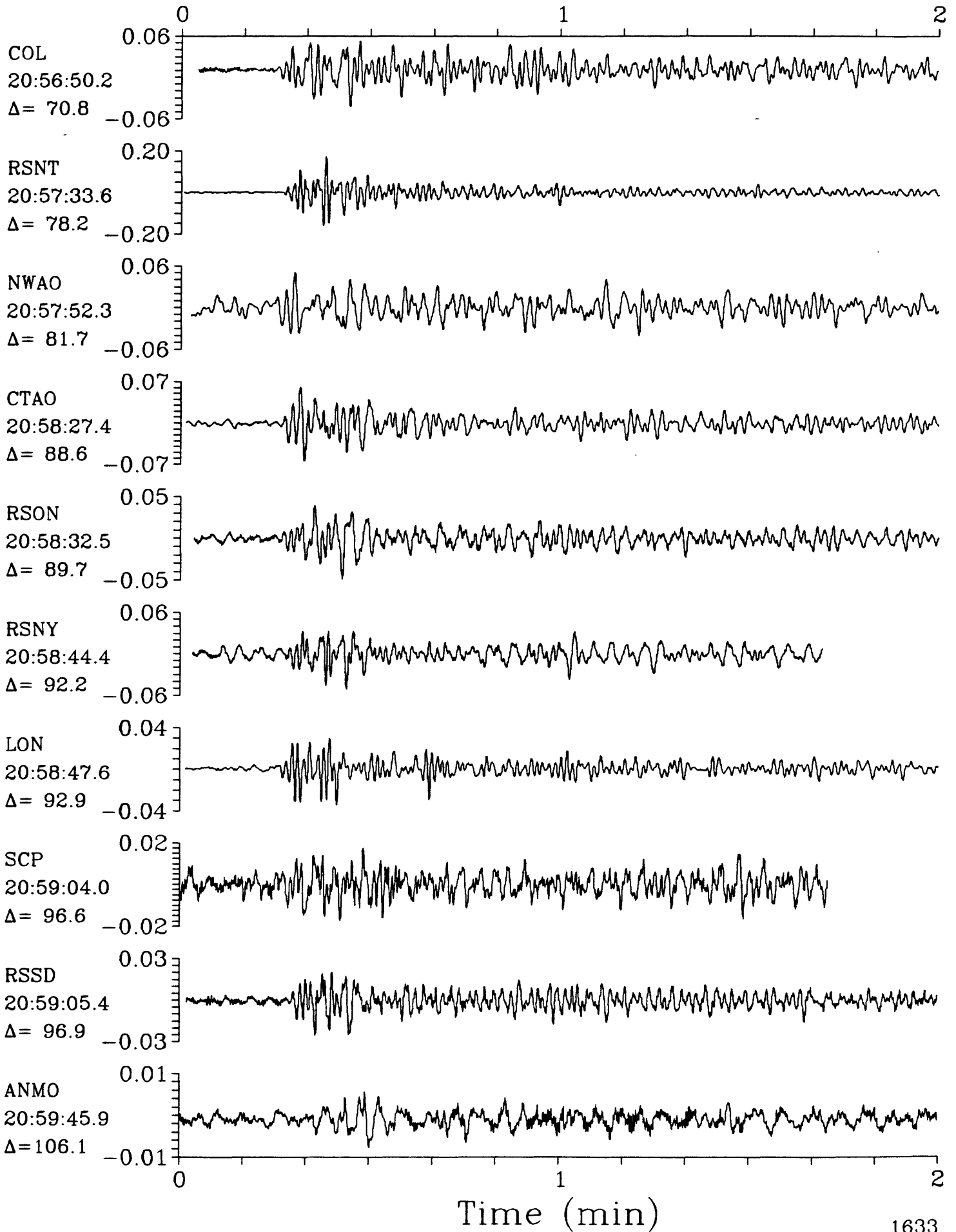
SPZ

11 September 1985 20:45:51.79

SPZ

Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{SZ}=6.6$



Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{SZ}=6.6$ 

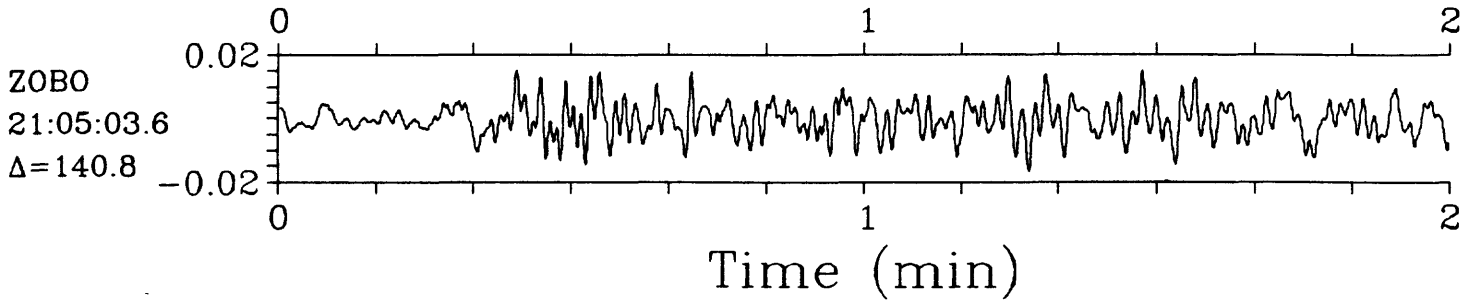
Time (min)

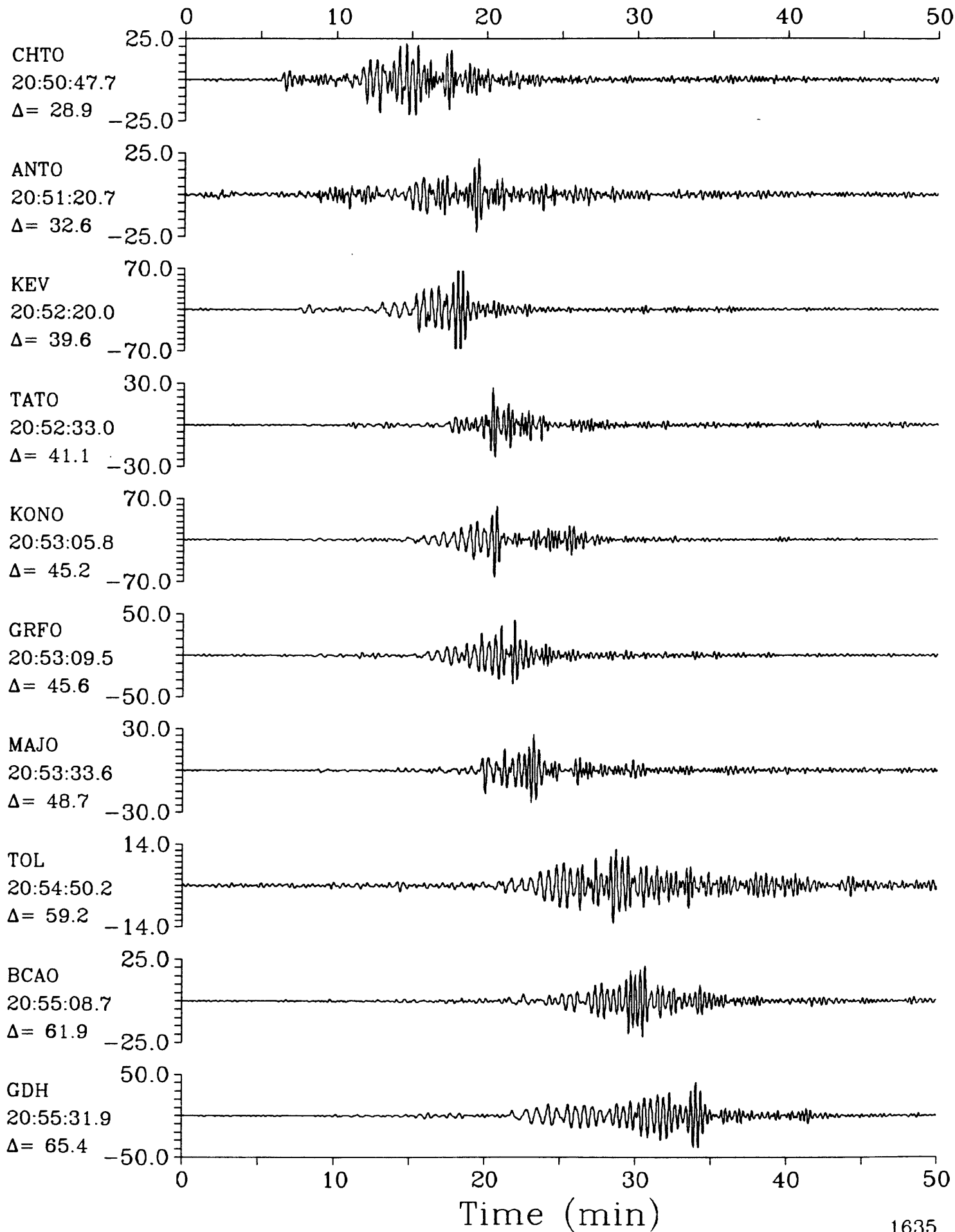
SPZ

11 September 1985 20:45:51.79

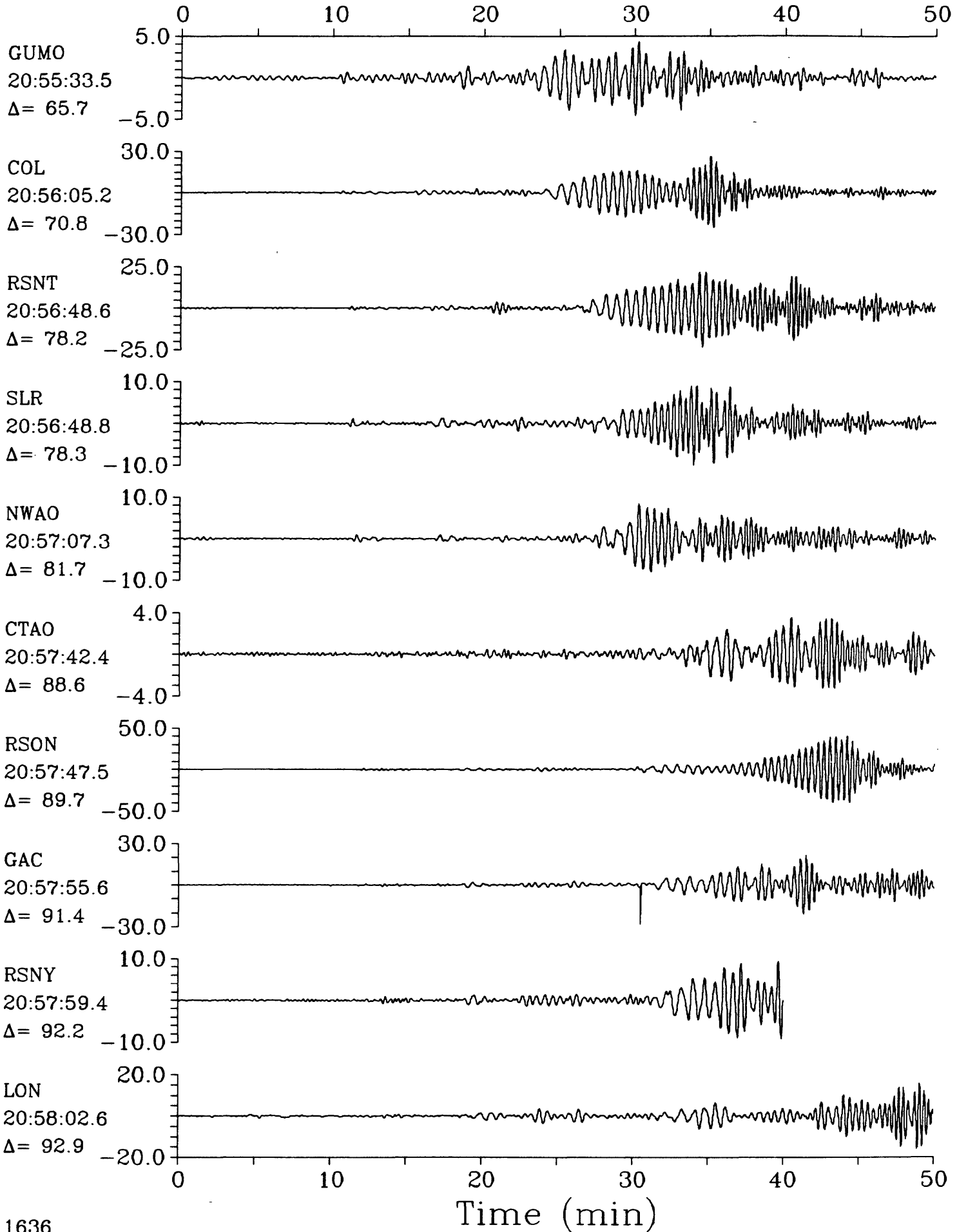
SPZ

Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{sz}=6.6$



Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{SZ}=6.6$ 

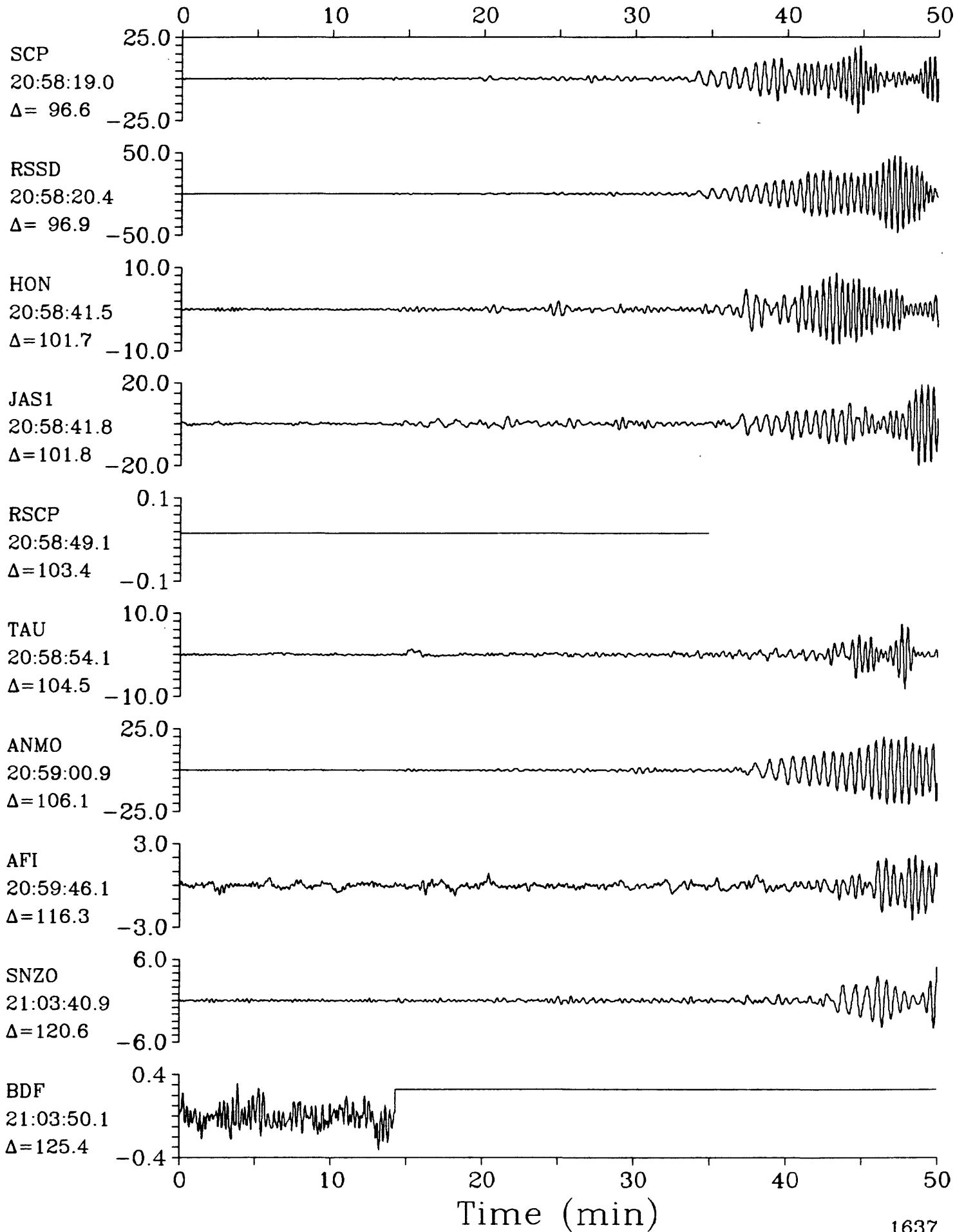
Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{sz}=6.6$



LPZ

11 September 1985 20:45:51.79

LPZ

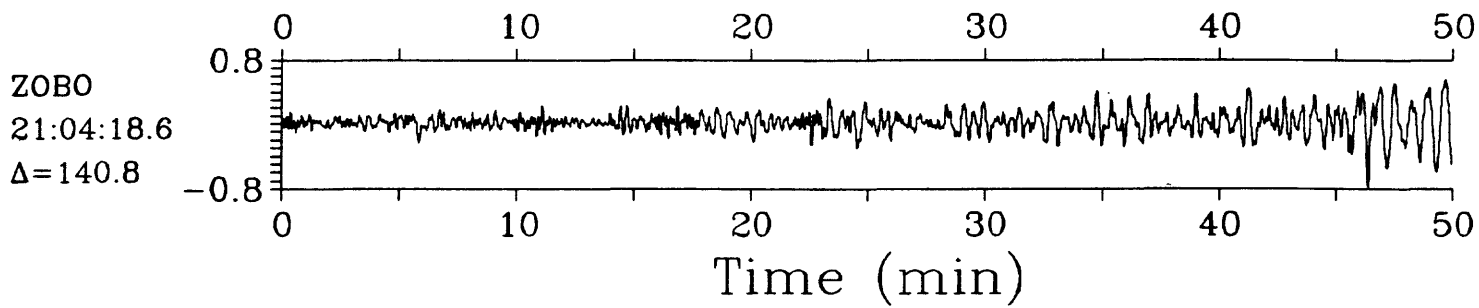
Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{sz}=6.6$ 

LPZ

11 September 1985 20:45:51.79

LPZ

Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{sz}=6.6$

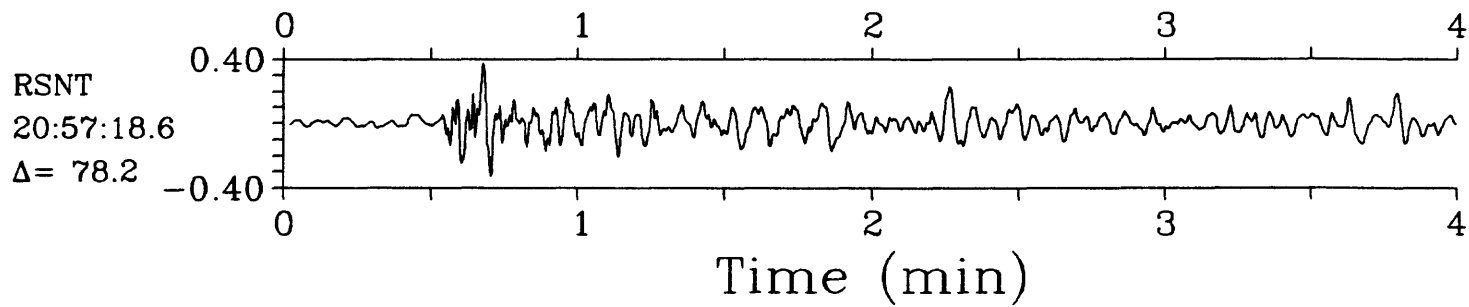


IPZ

11 September 1985 20:45:51.79

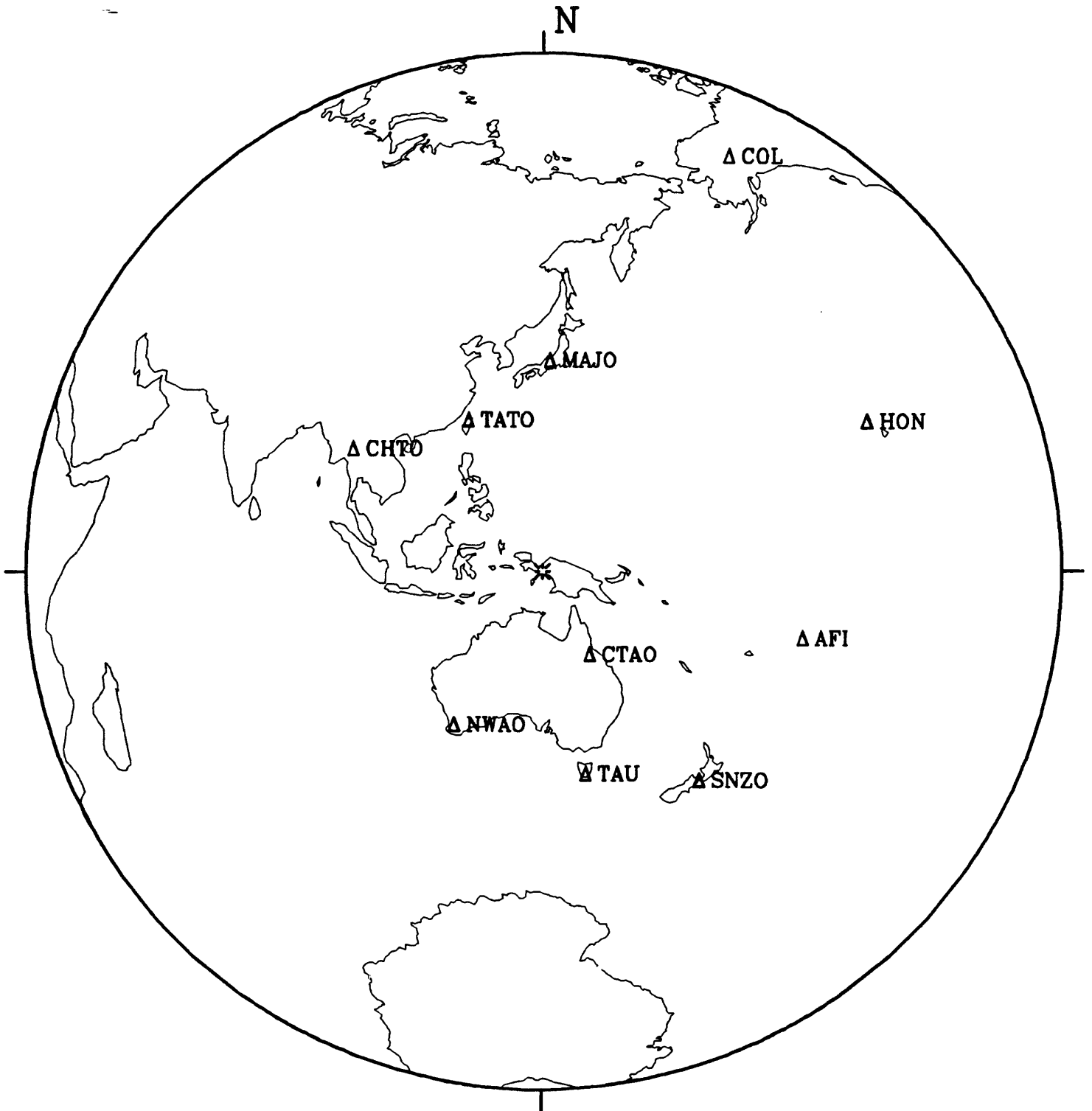
IPZ

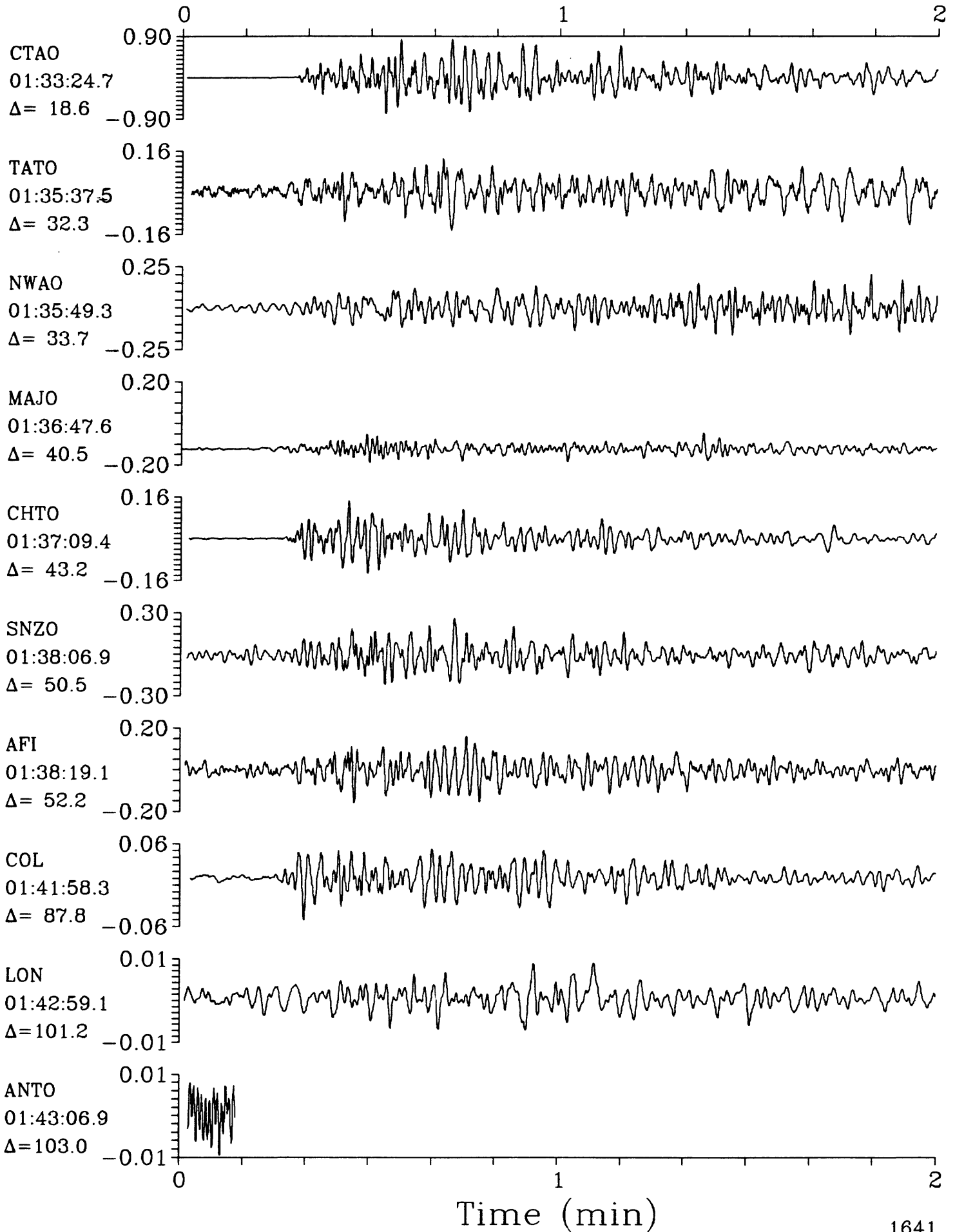
Southern Xinjiang, China $h=33.0$ $m_b=5.8$ $M_{SZ}=6.6$

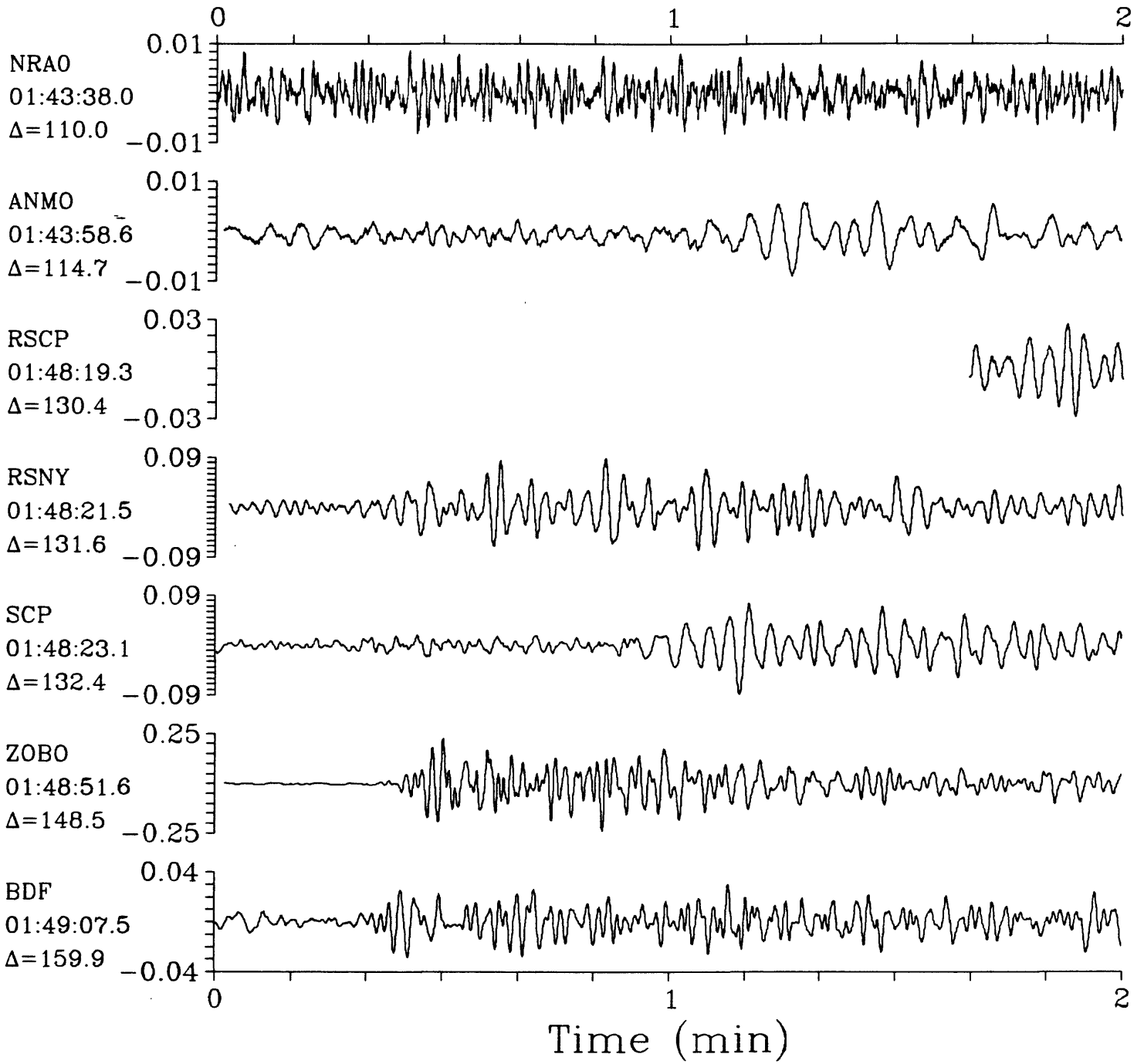


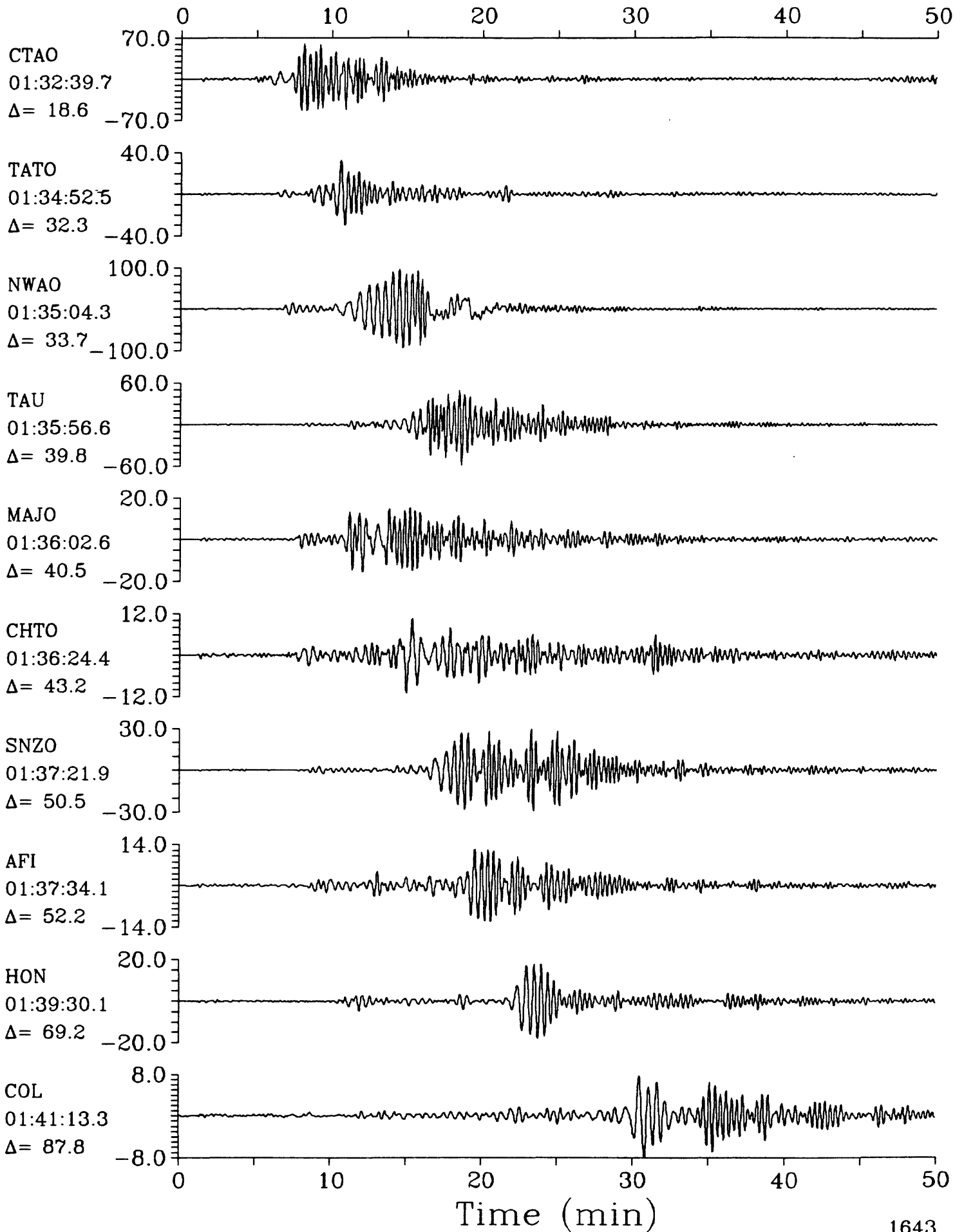
15 September 1985 01:29:22.96

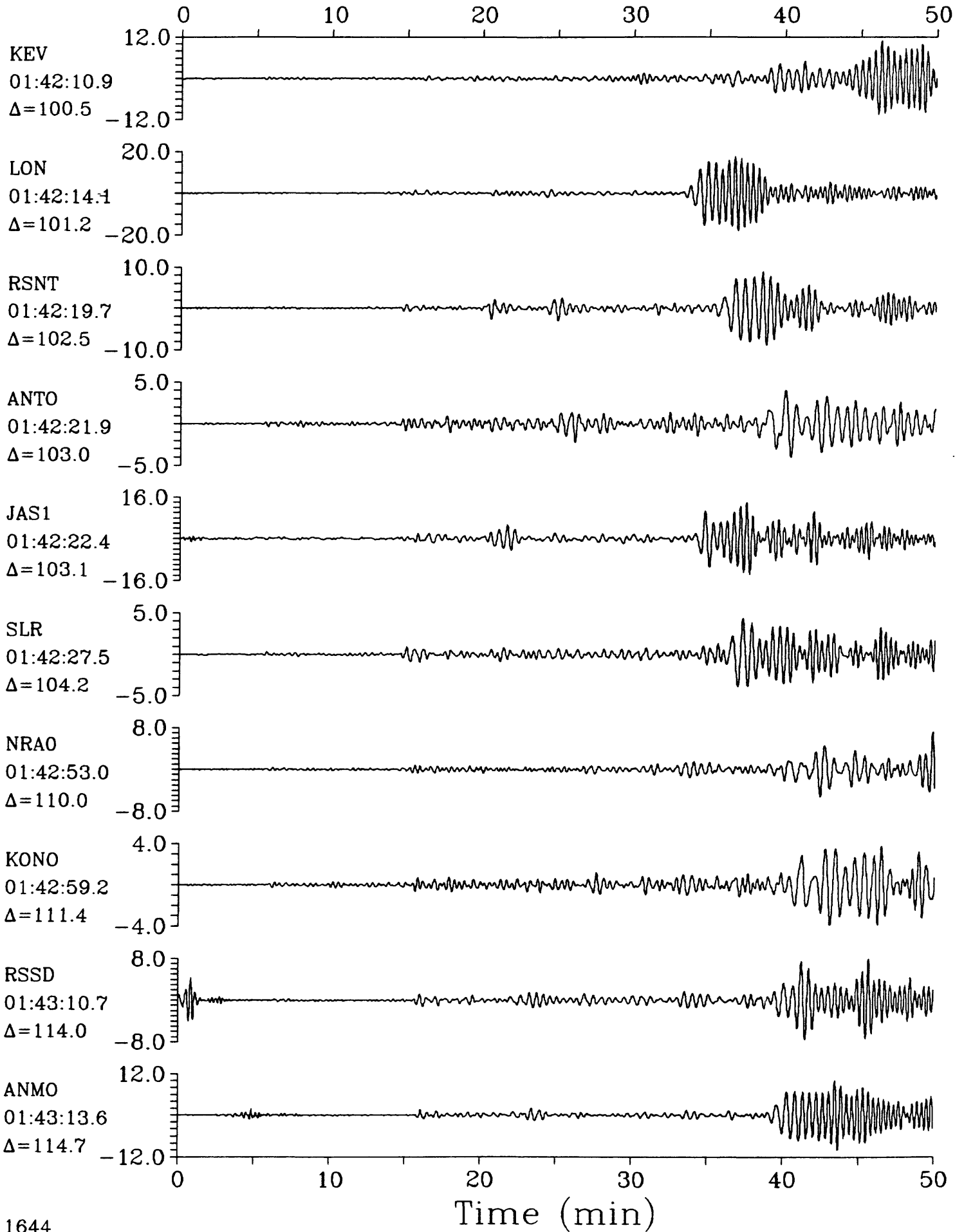
West Irian Region

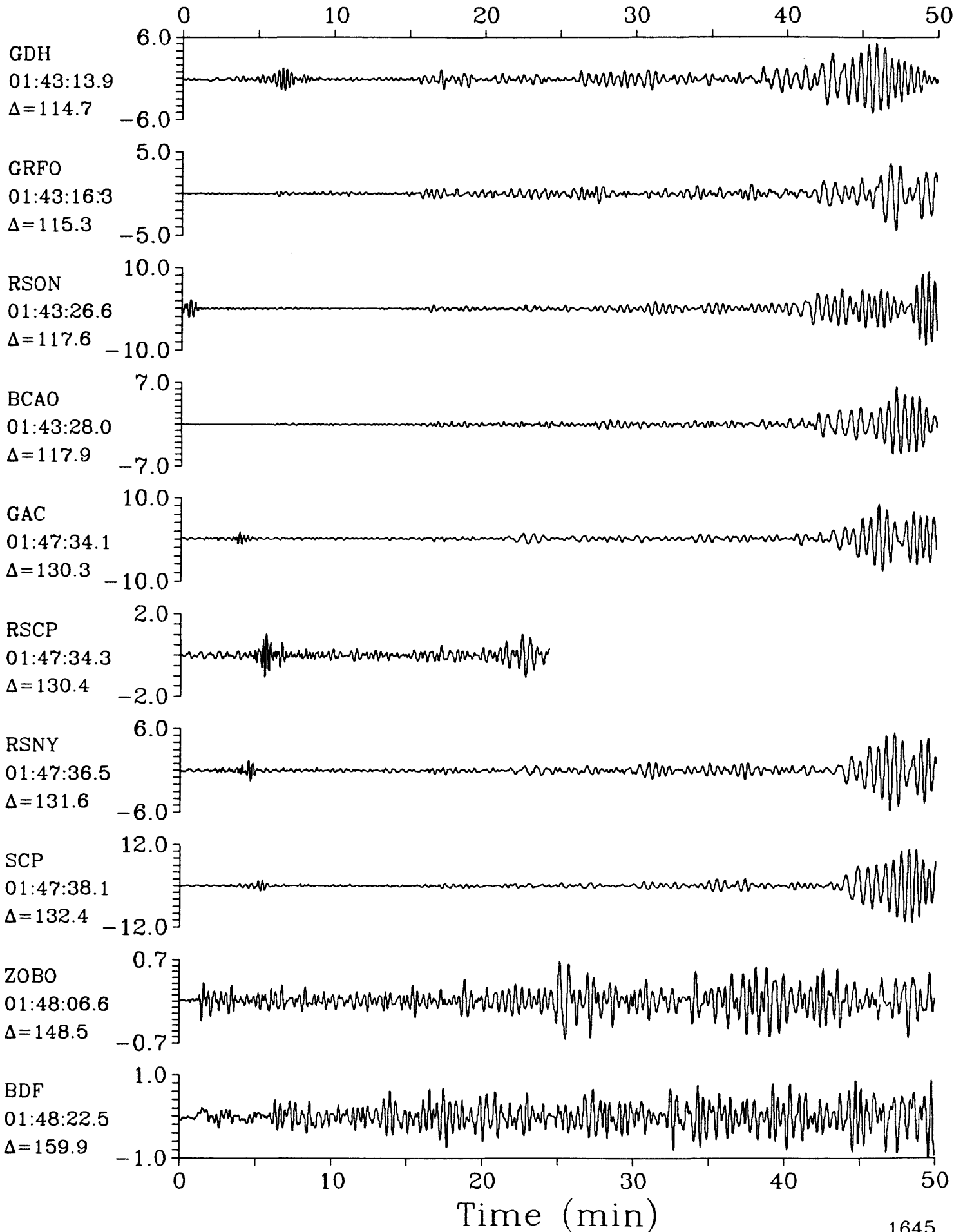








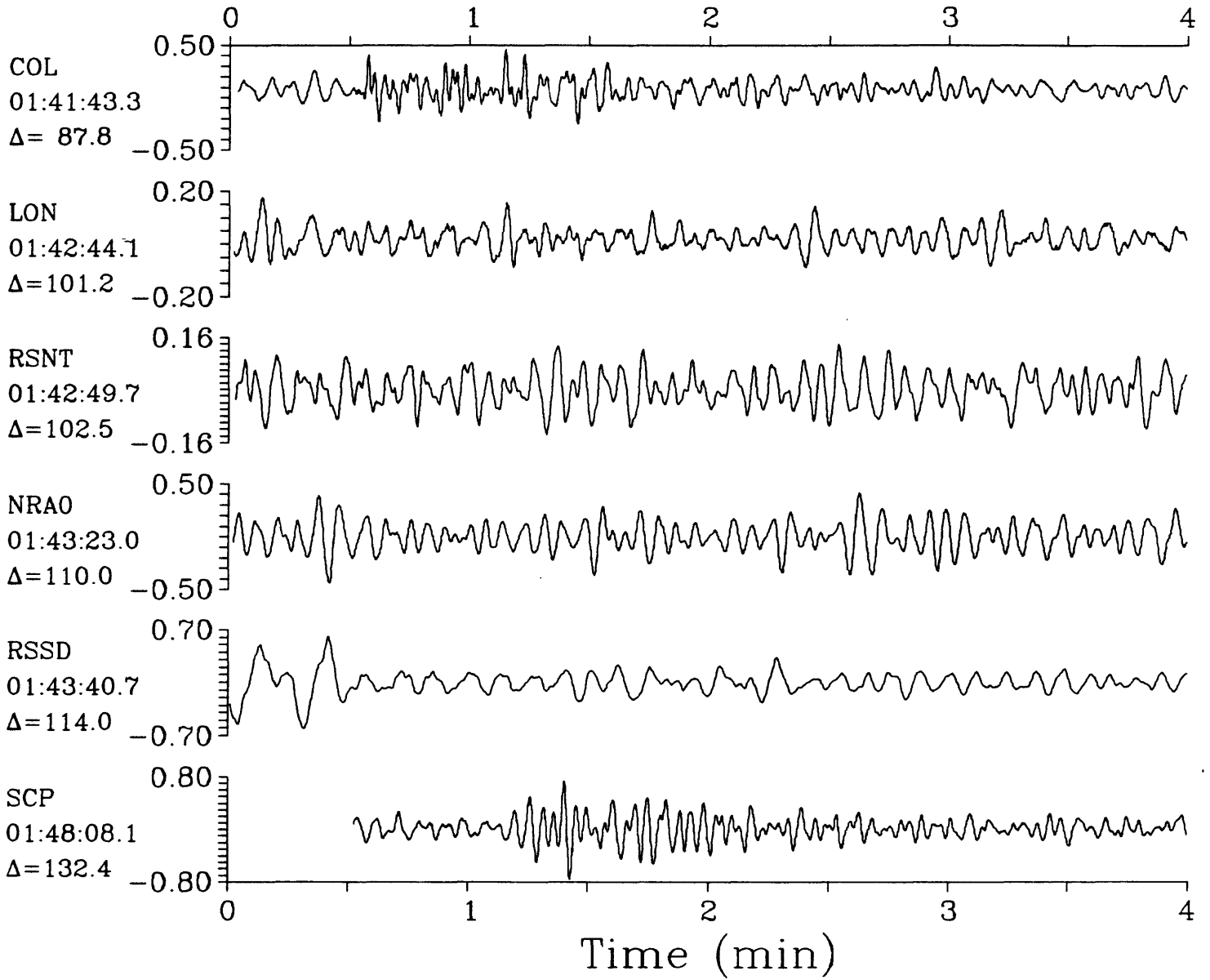


West Irian Region $h=10.0$ $m_b=5.6$ $M_{SZ}=6.3$ 

IPZ

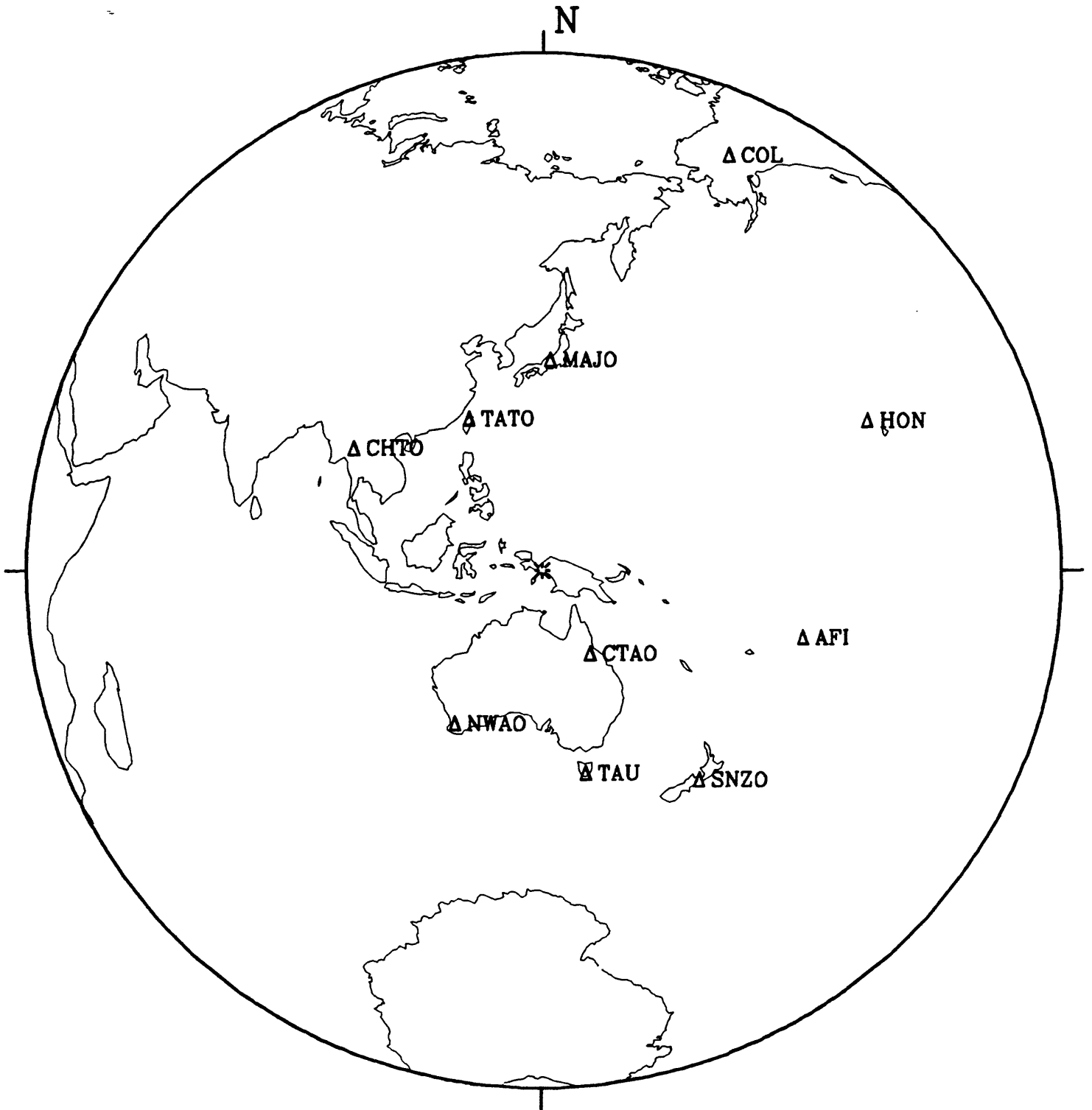
15 September 1985 01:29:22.96
West Irian Region $h=10.0$ $m_b=5.6$ $M_{sz}=6.3$

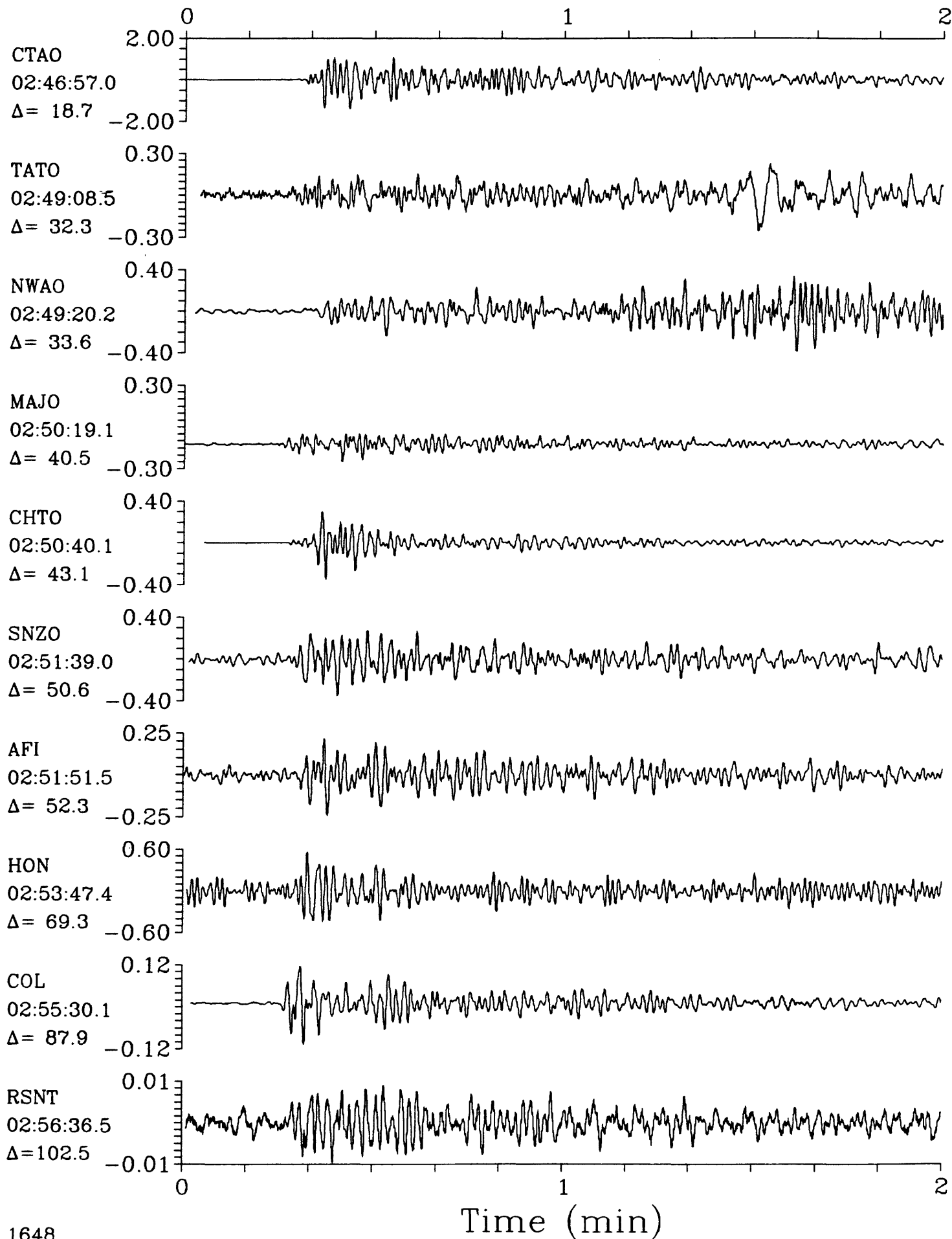
IPZ



15 September 1985 02:42:54.48

West Irian Region



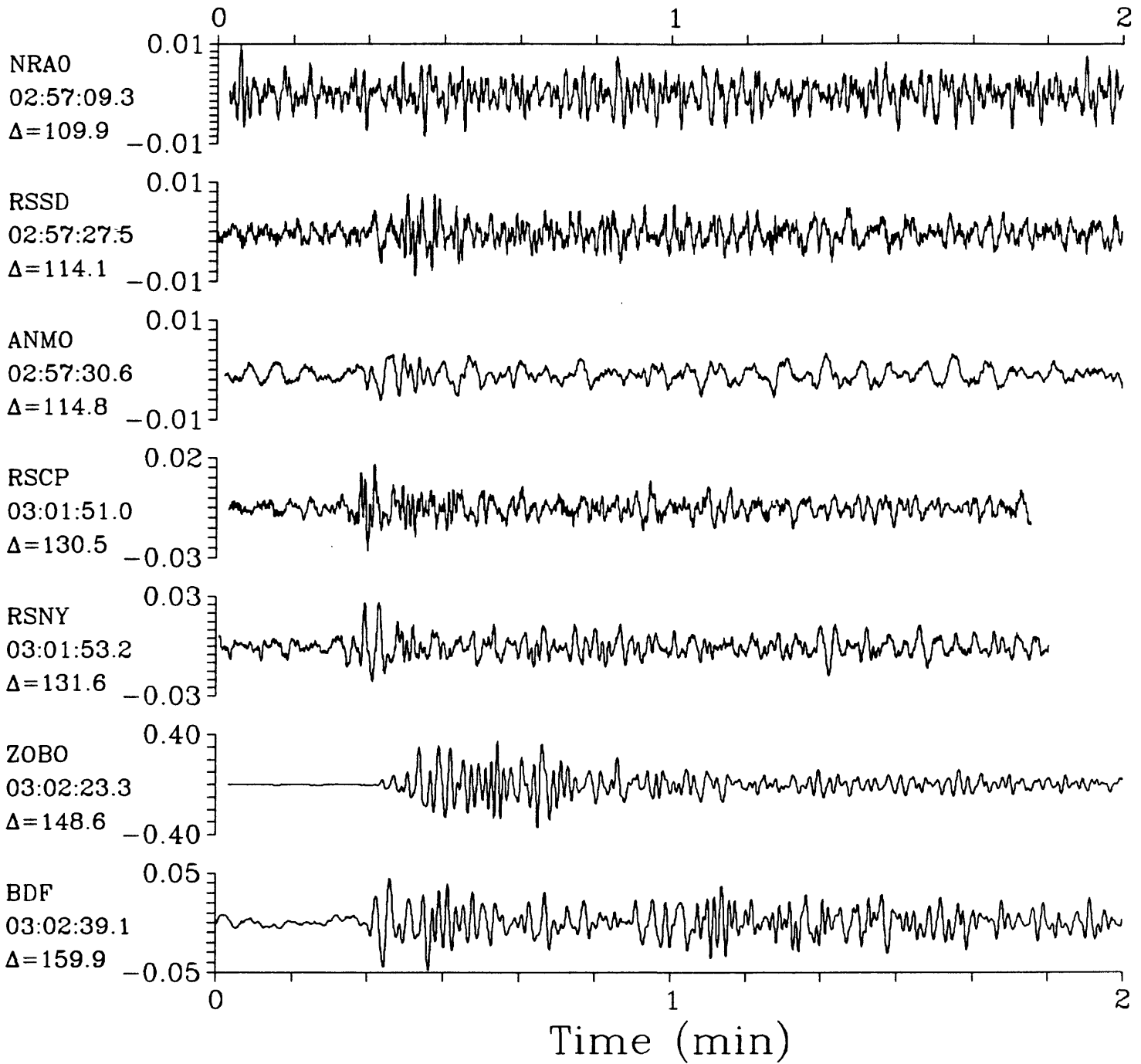
West Irian Region $h=10.0$ $m_b=5.8$ $M_{sz}=6.3$ 

SPZ

15 September 1985 02:42:54.48

SPZ

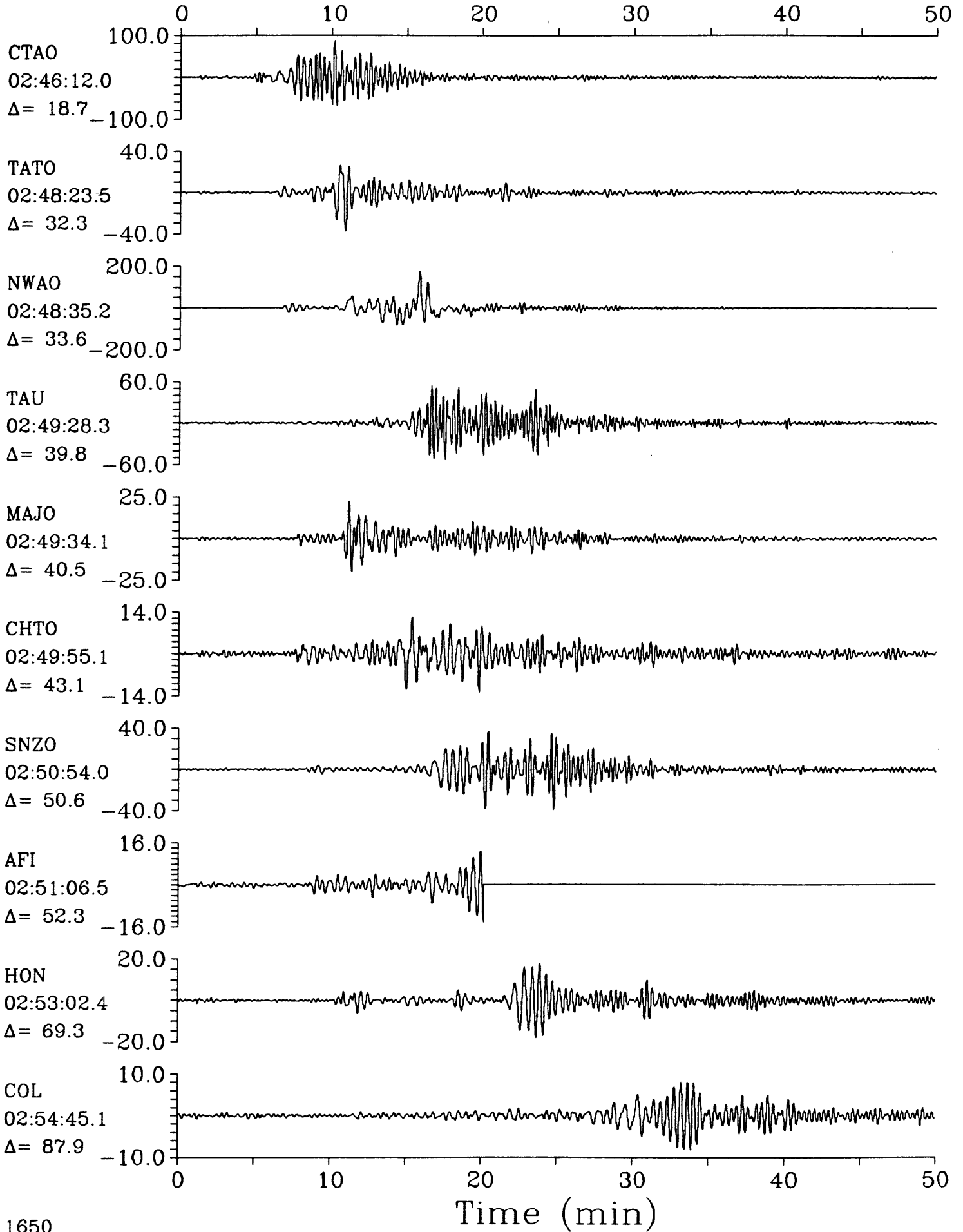
West Irian Region $h=10.0$ $m_b=5.8$ $M_{SZ}=6.3$



LPZ

15 September 1985 02:42:54.48

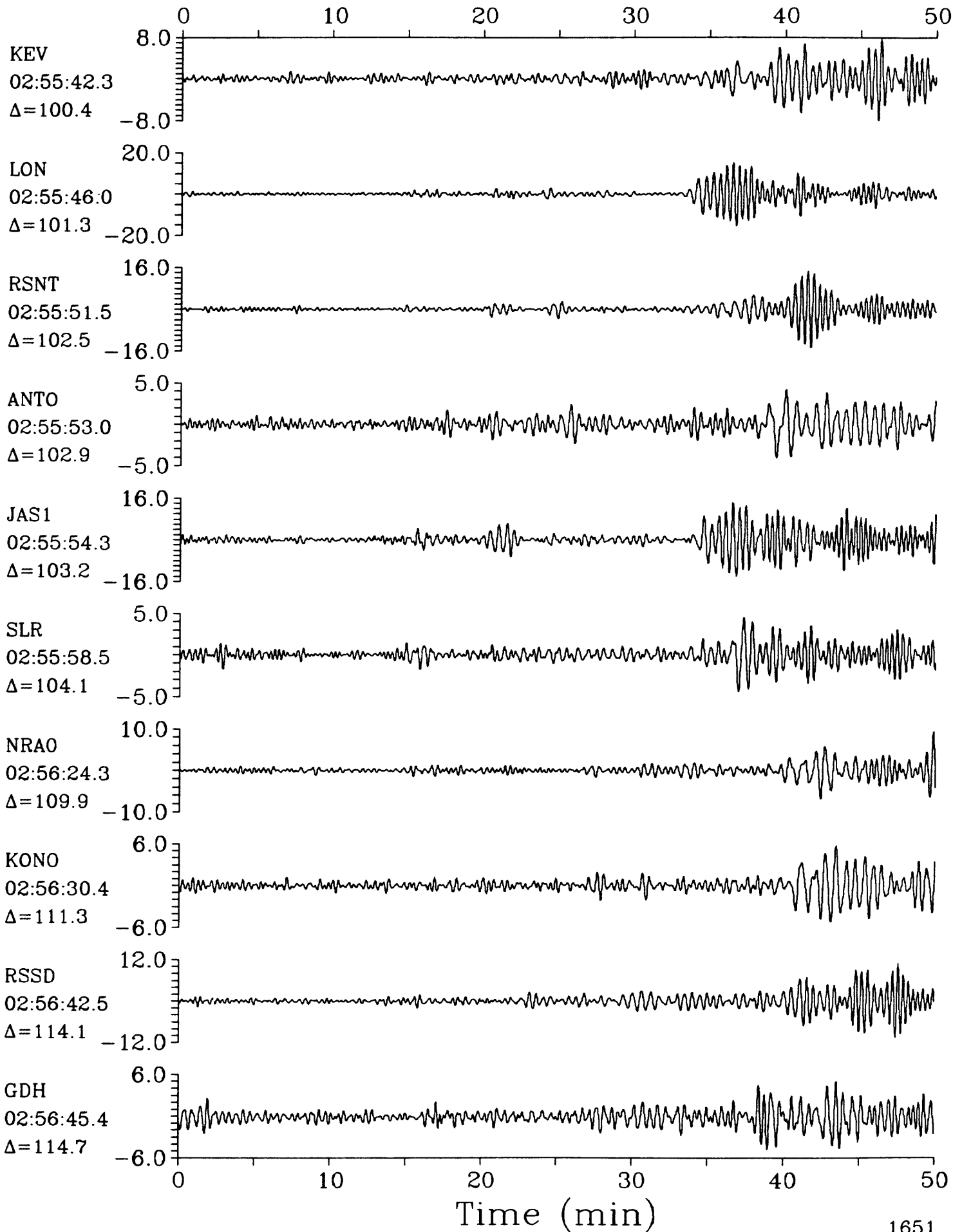
LPZ

West Irian Region $h=10.0$ $m_b=5.8$ $M_{sz}=6.3$ 

LPZ

15 September 1985 02:42:54.48

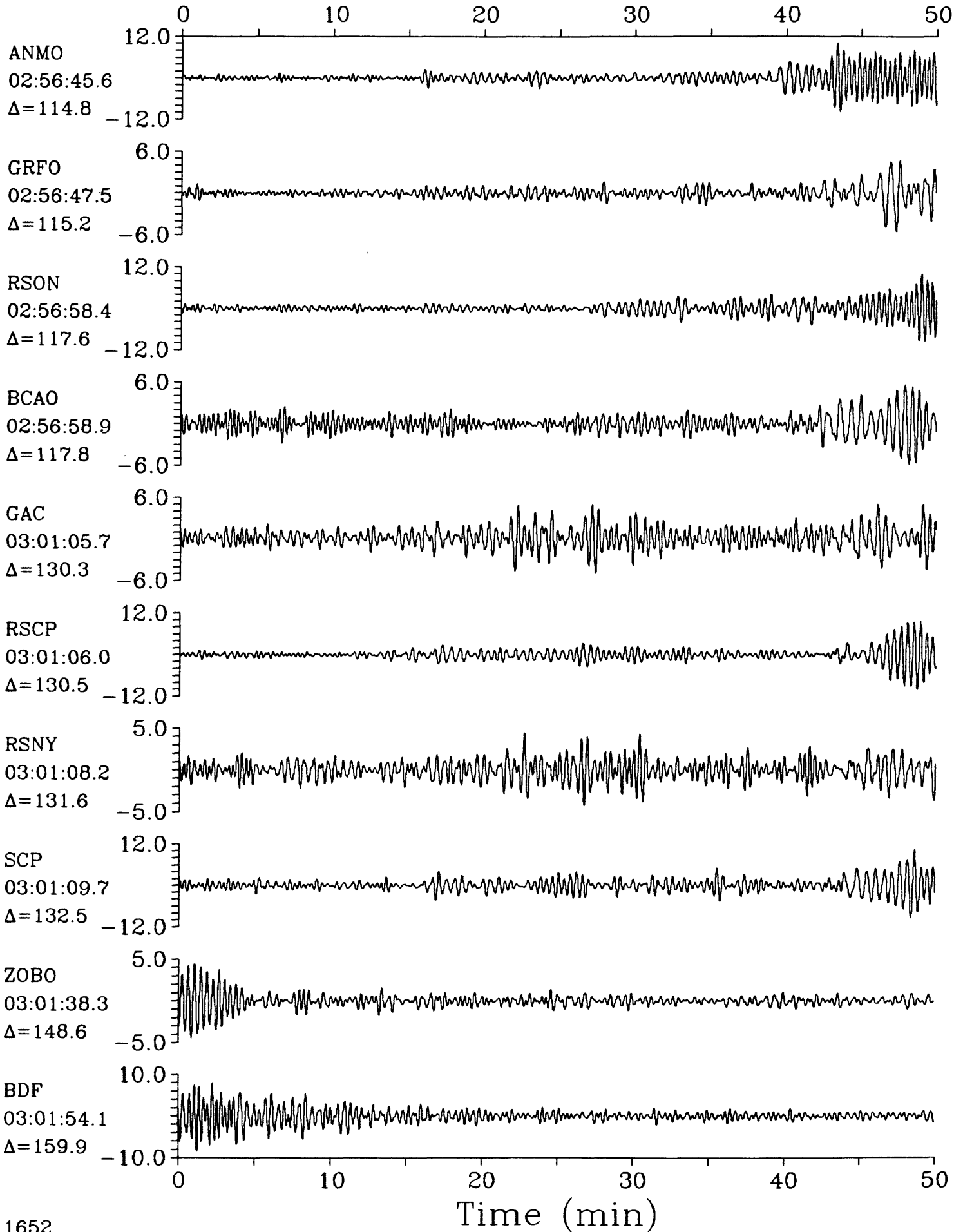
LPZ

West Irian Region $h=10.0$ $m_b=5.8$ $M_{SZ}=6.3$ 

LPZ

15 September 1985 02:42:54.48
West Irian Region $h=10.0$ $m_b=5.8$ $M_{SZ}=6.3$

LPZ

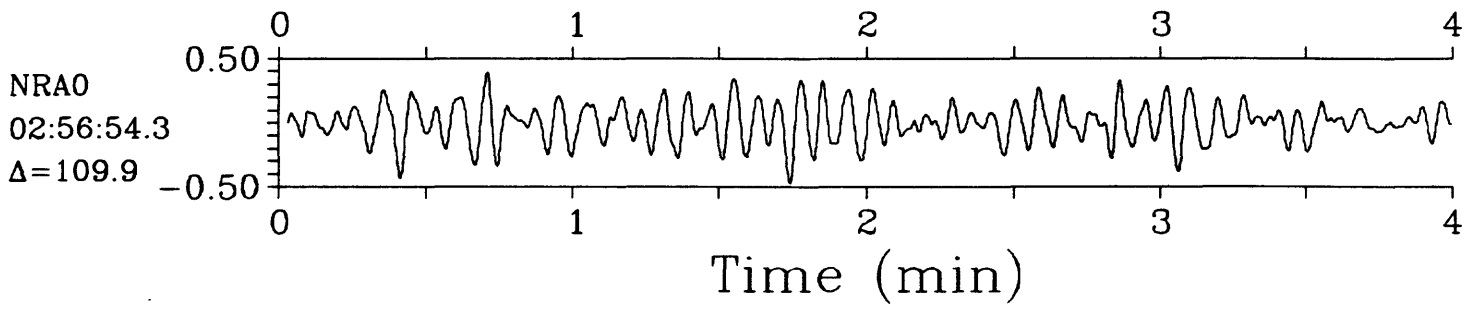


IPZ

15 September 1985 02:42:54.48

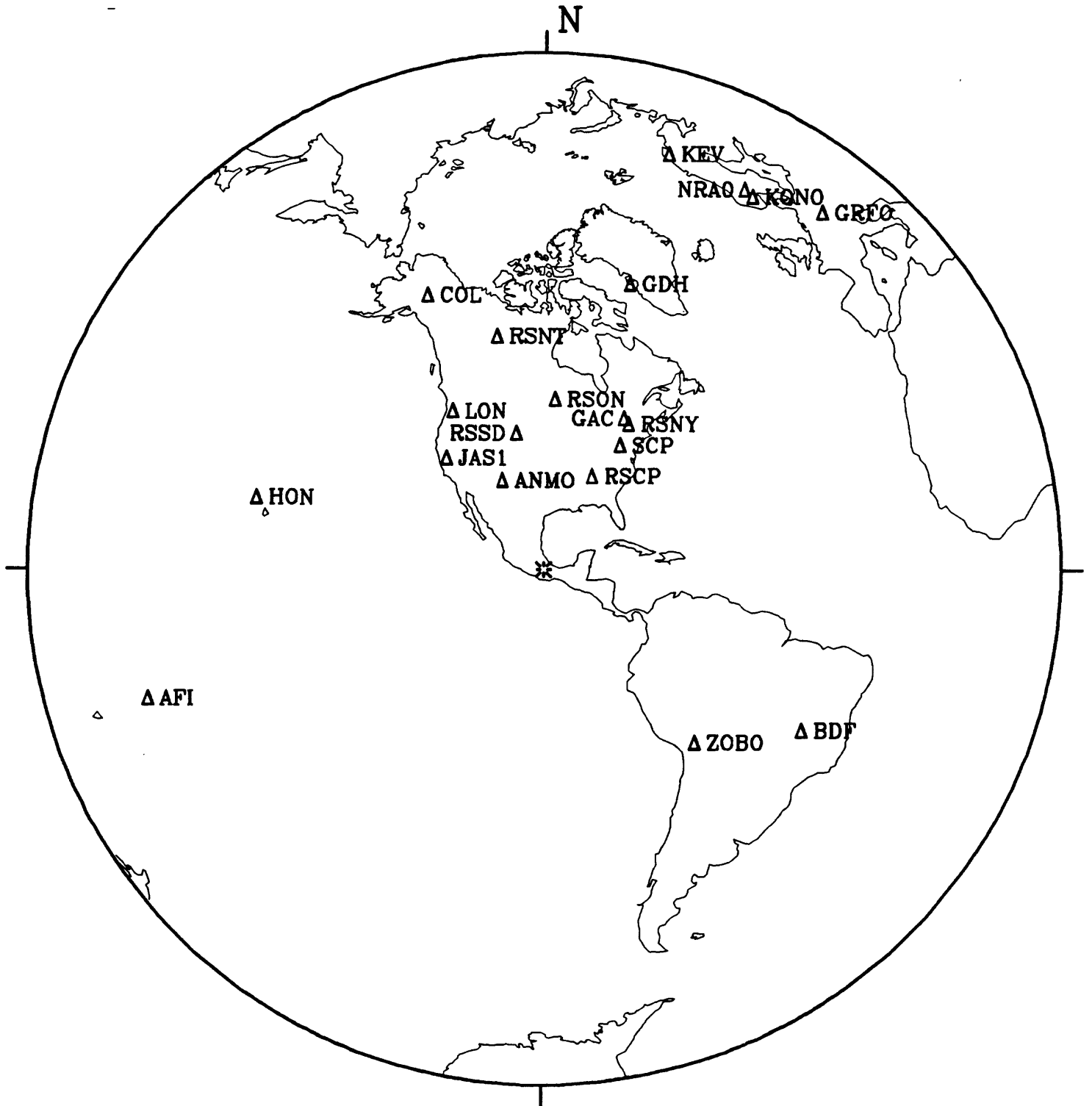
IPZ

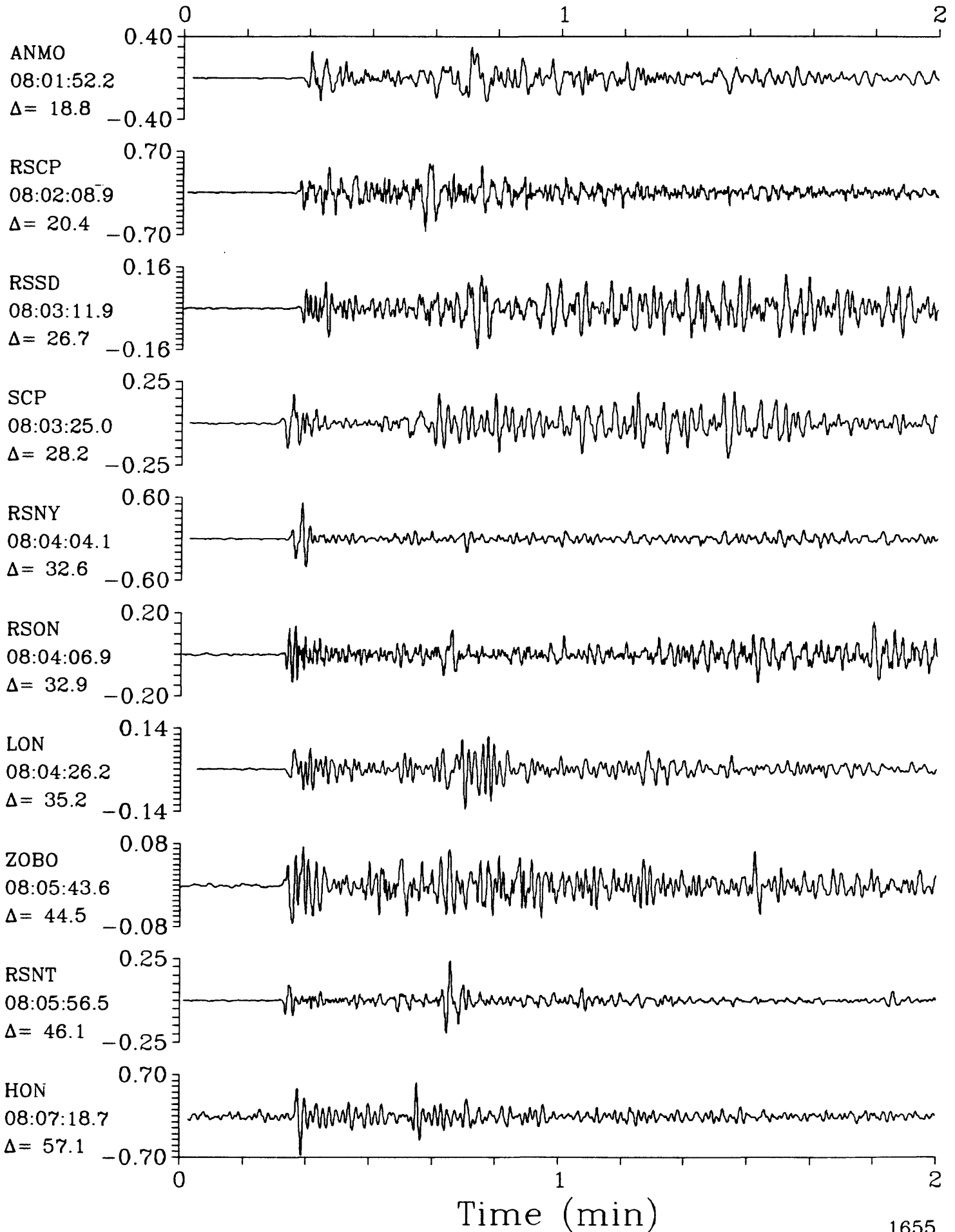
West Irian Region $h=10.0$ $m_b=5.8$ $M_{SZ}=6.3$

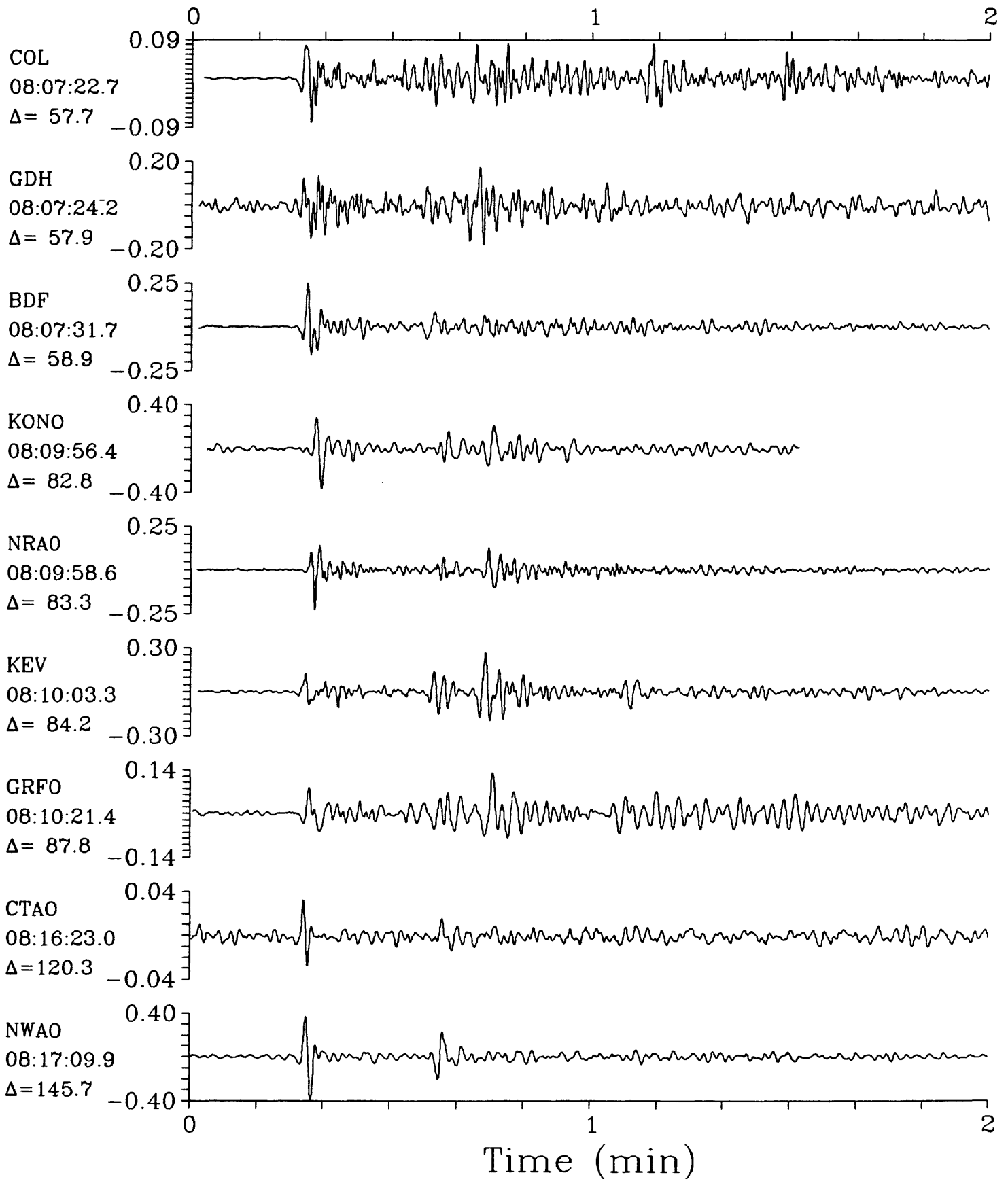


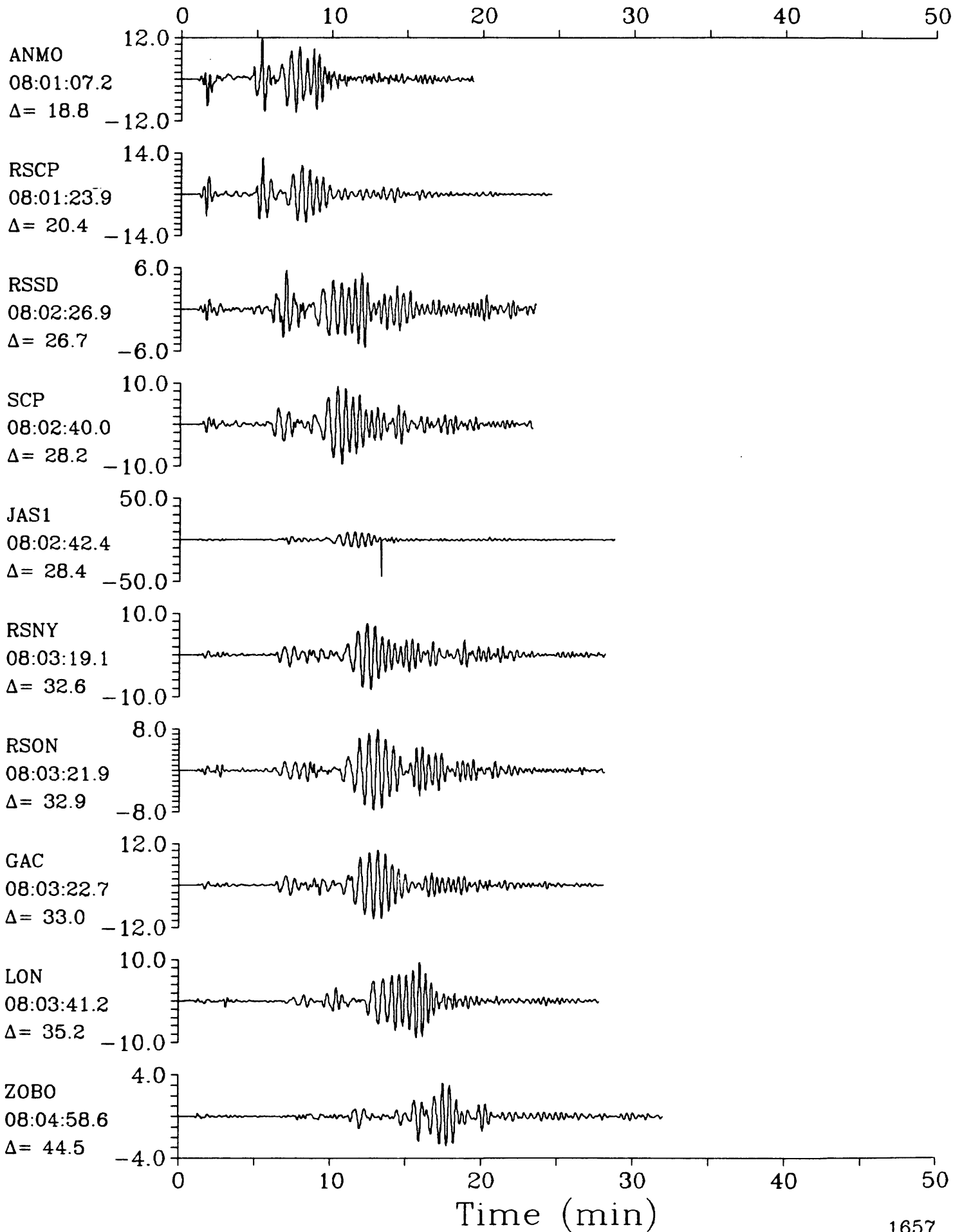
15 September 1985 07:57:53.79

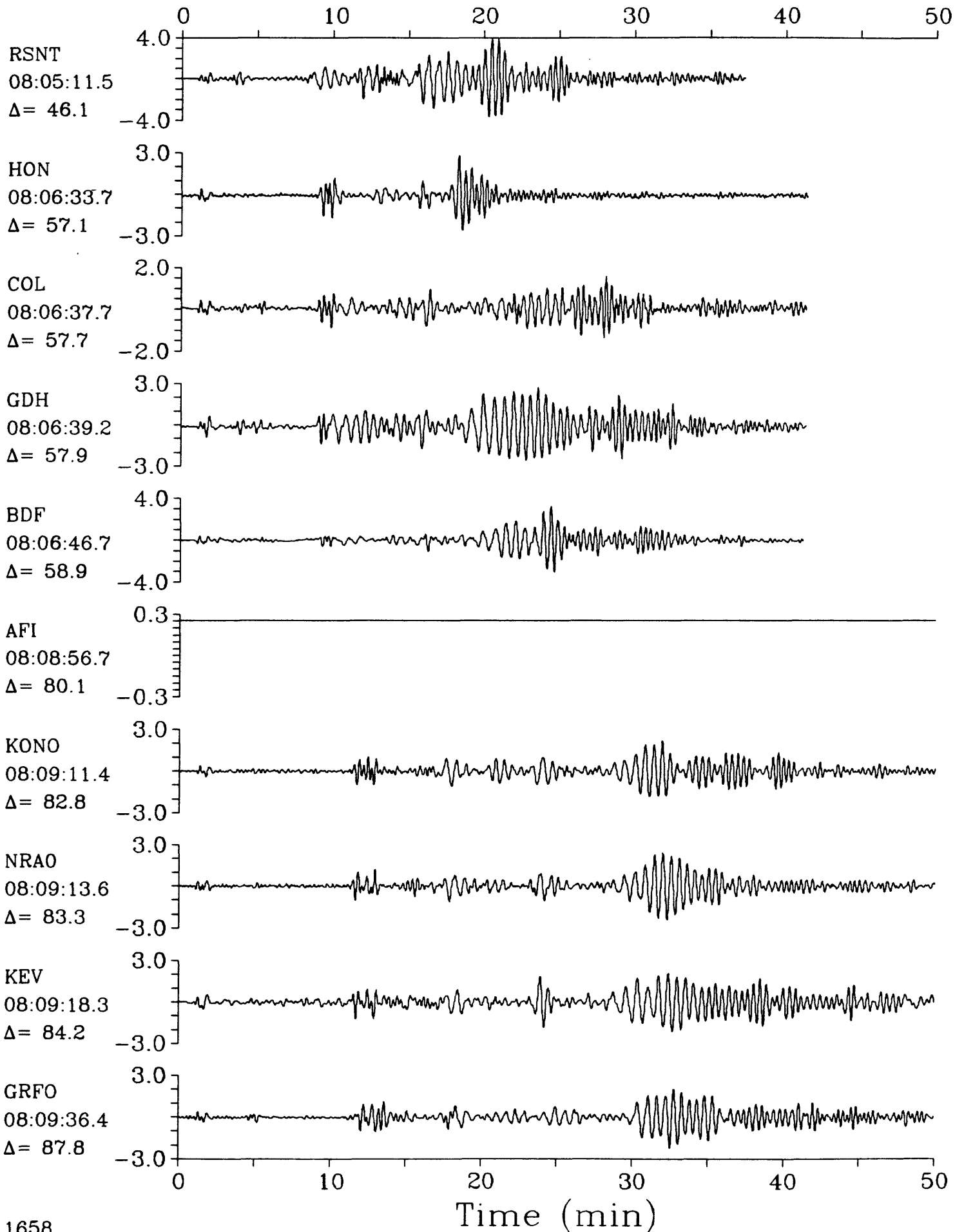
Oaxaca, Mexico







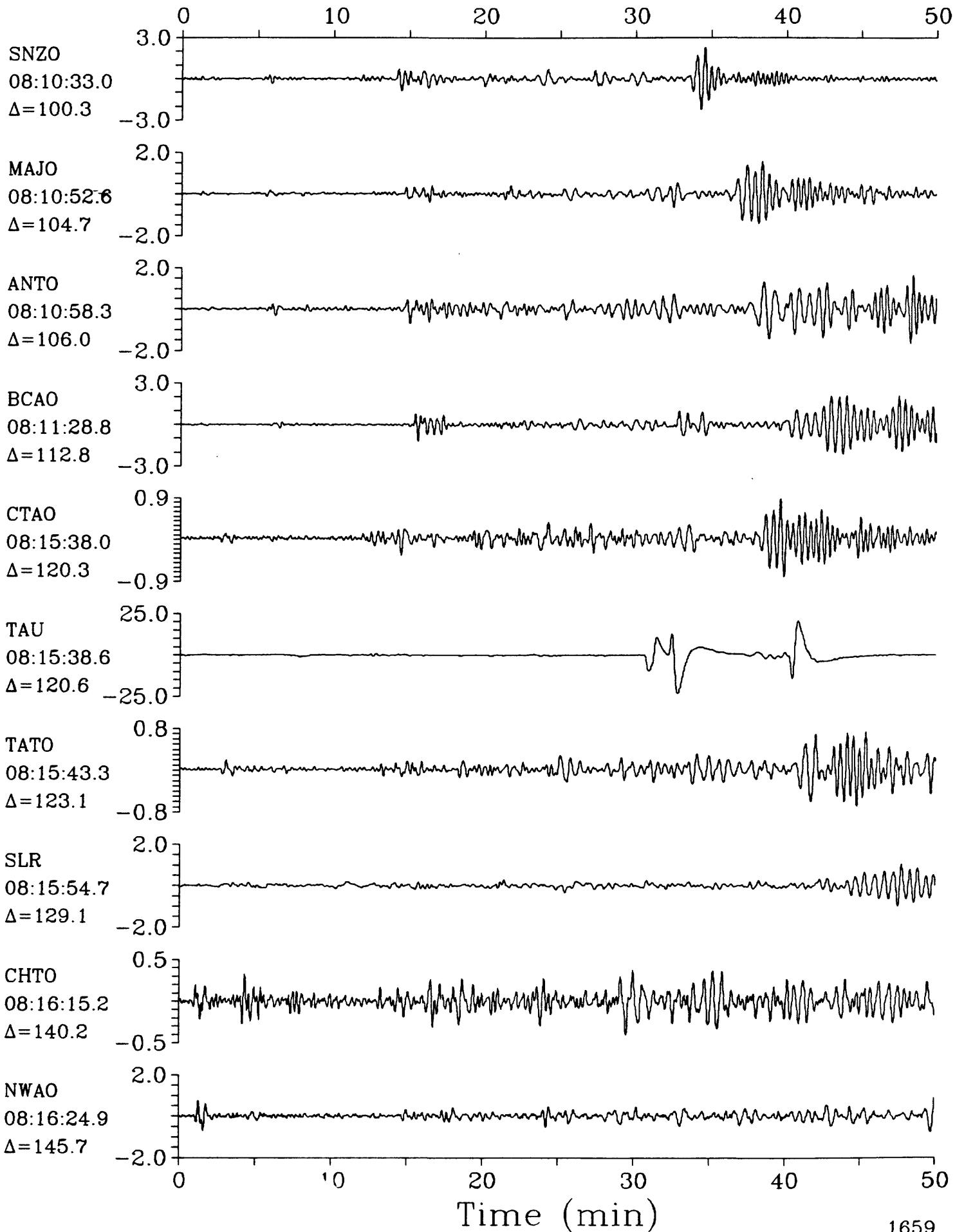


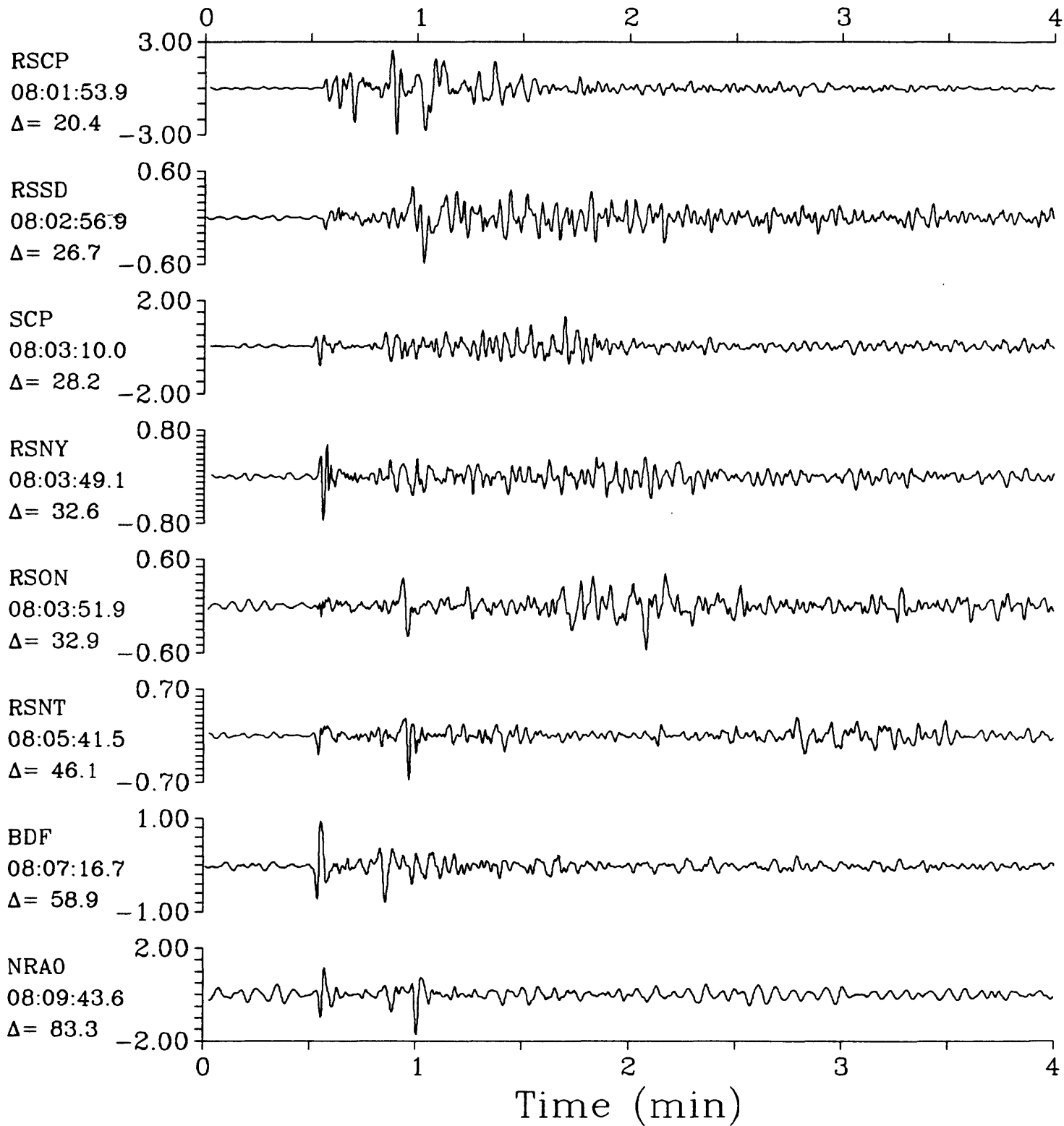


LPZ

15 September 1985 07:57:53.79
Oaxaca, Mexico $h=67.1$ $m_b=5.9$

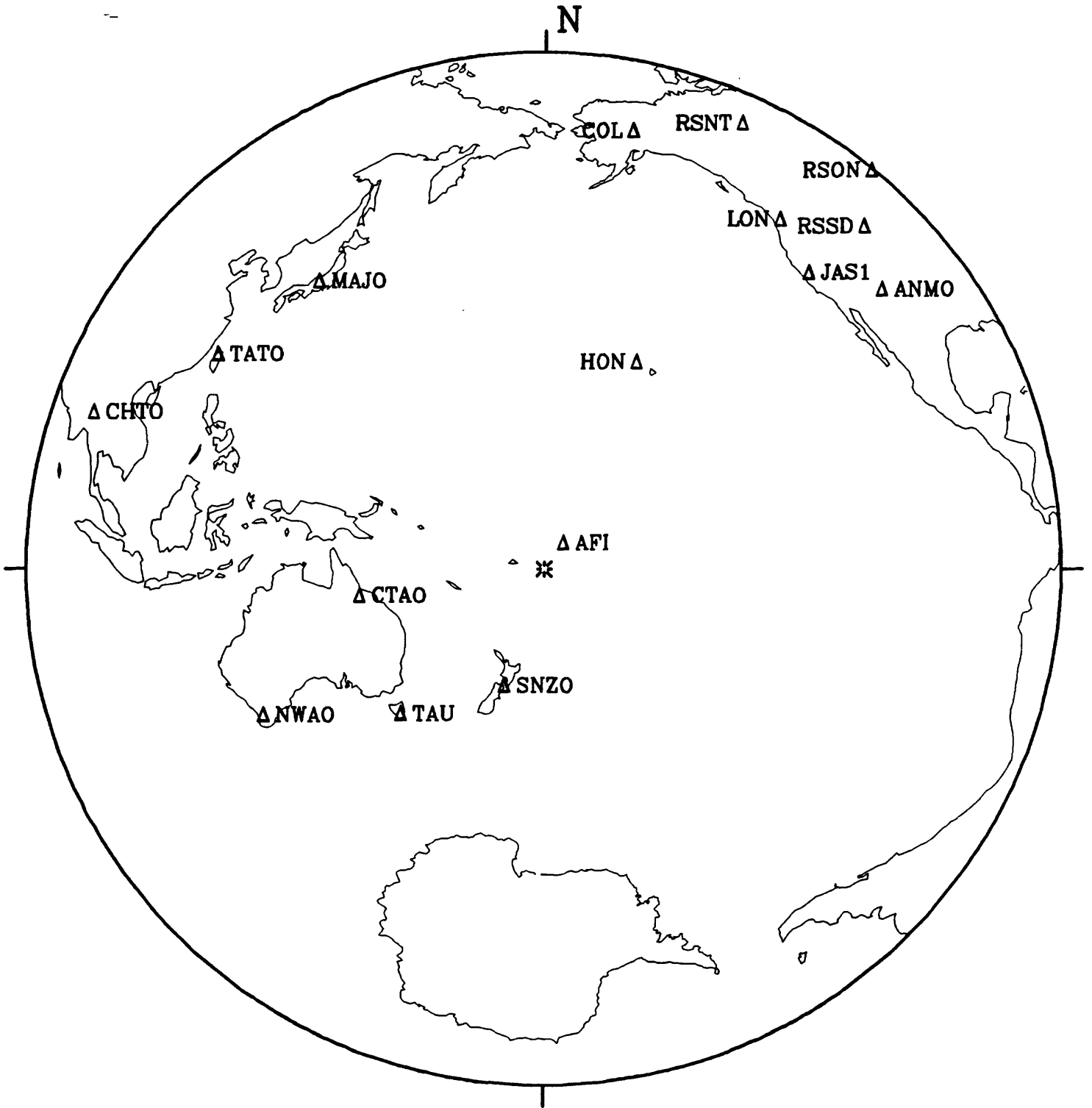
LPZ

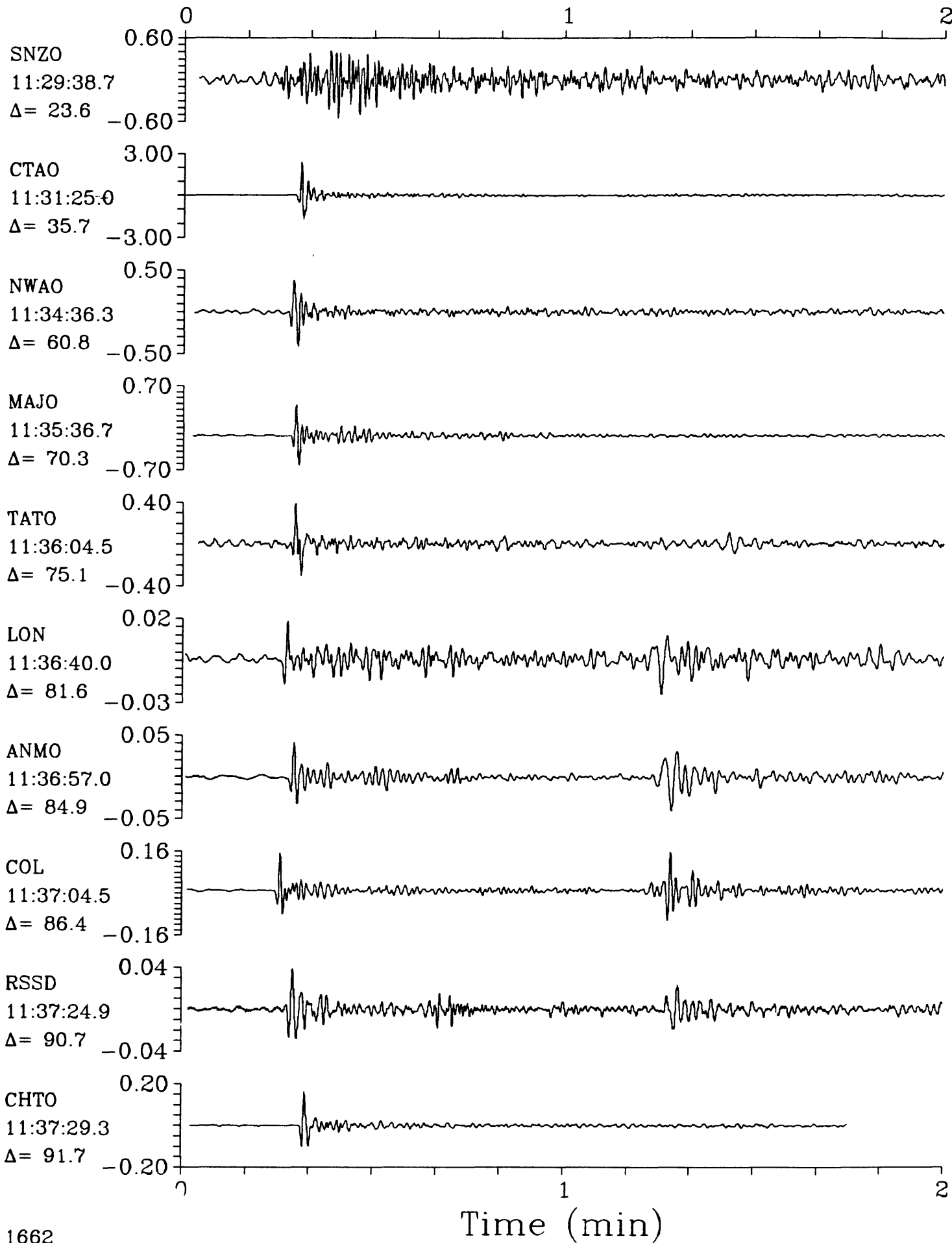


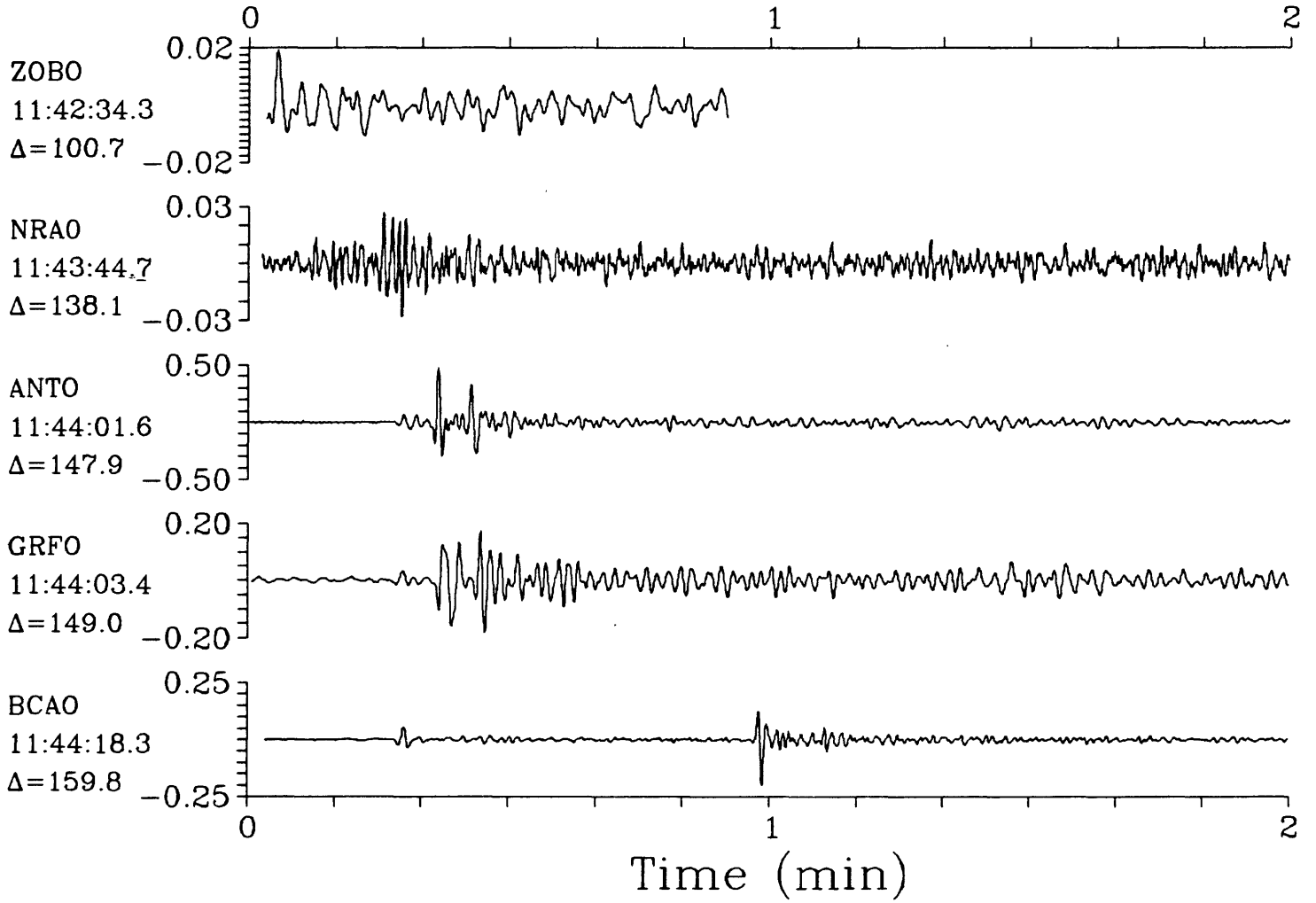


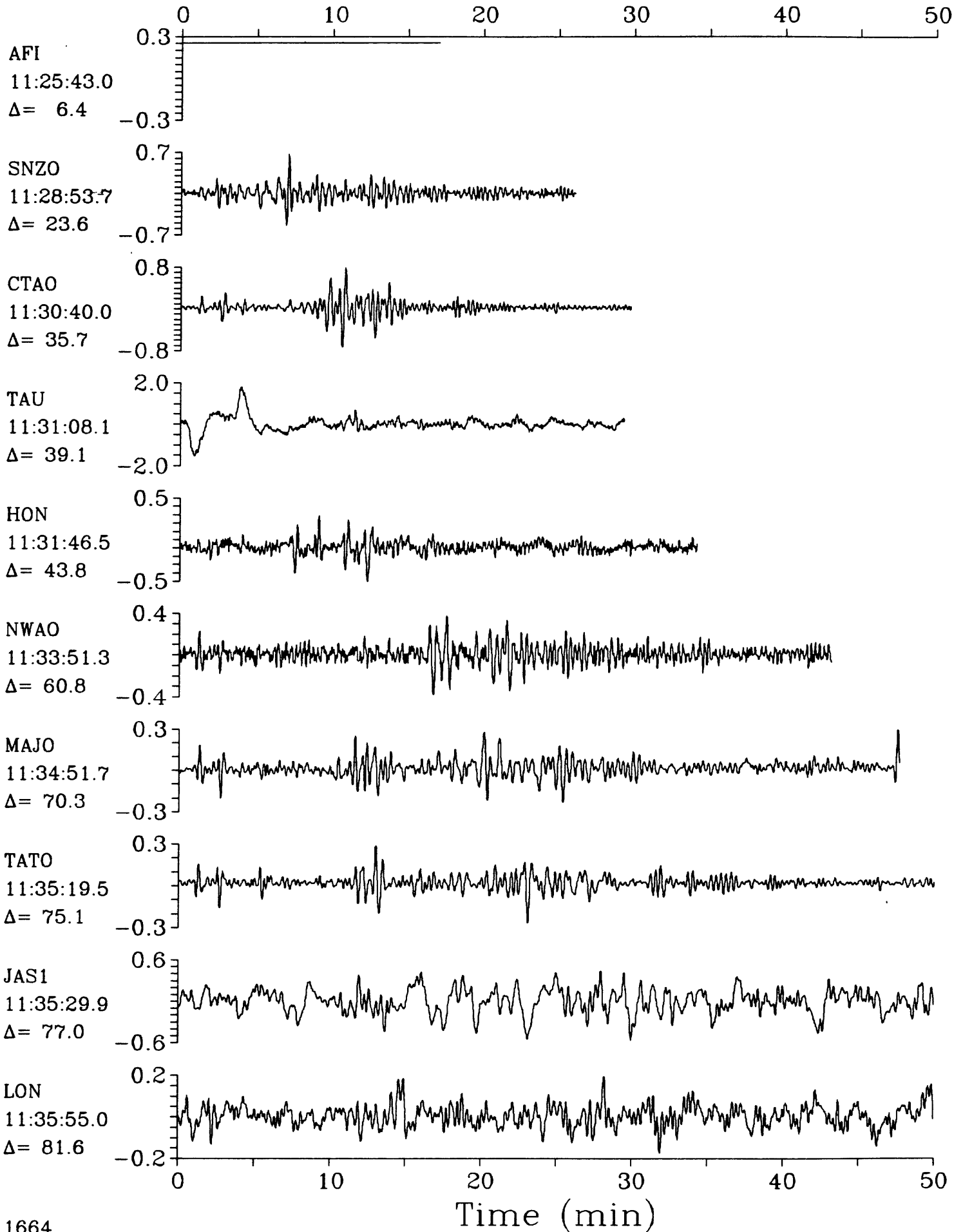
15 September 1985 11:25:08.23

Tonga Islands





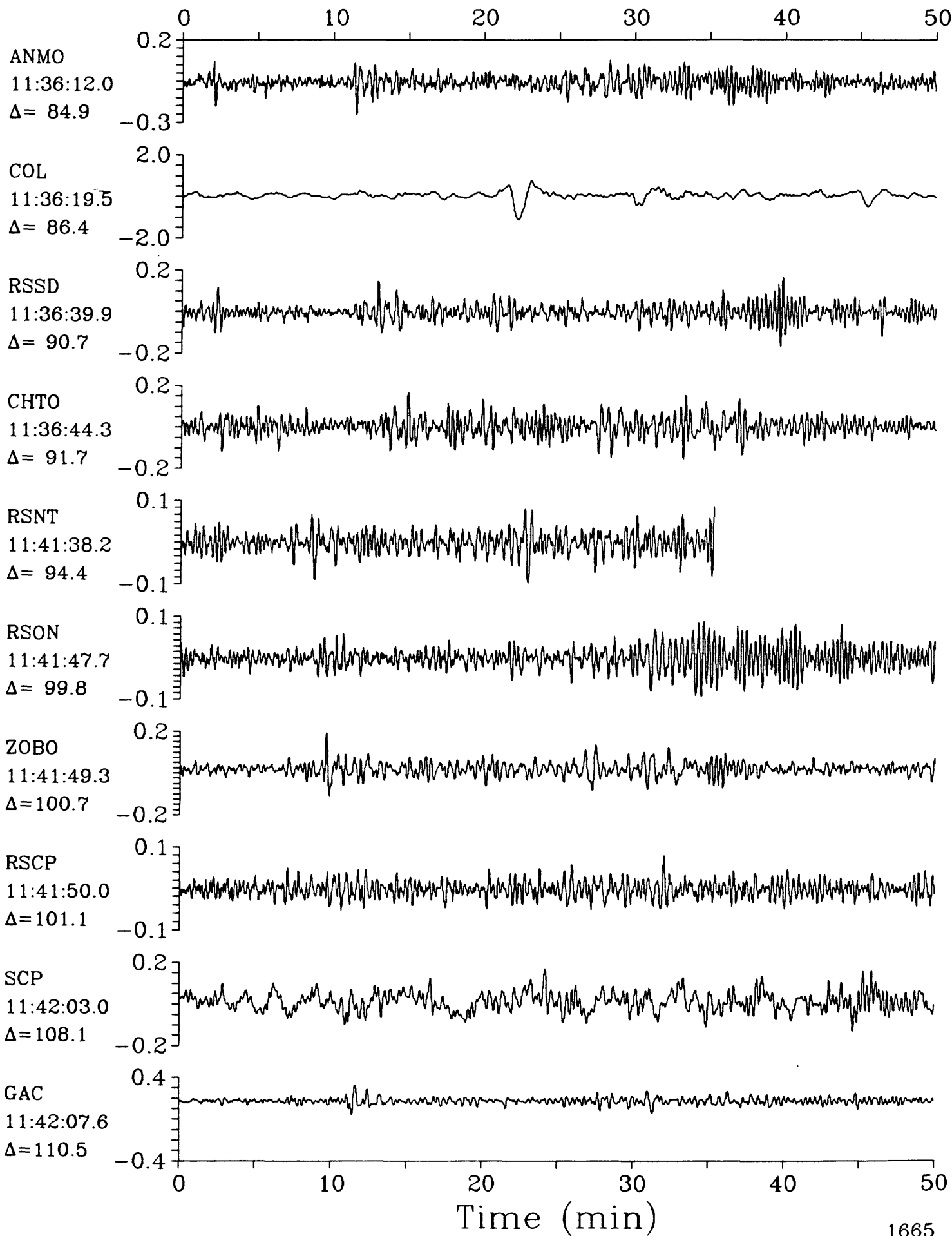




LPZ

15 September 1985 11:25:08.23
Tonga Islands $h=282.0$ $m_b=5.7$

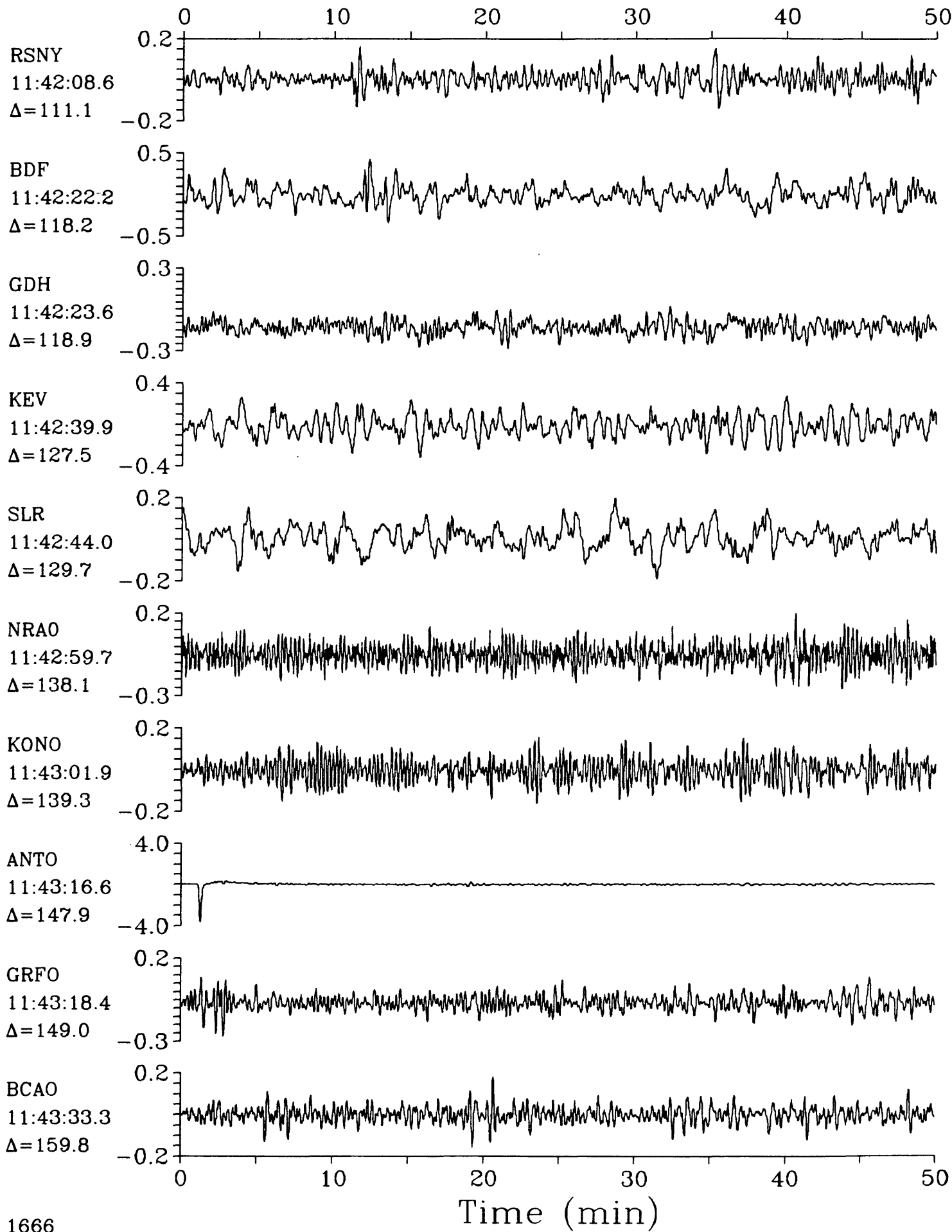
LPZ



LPZ

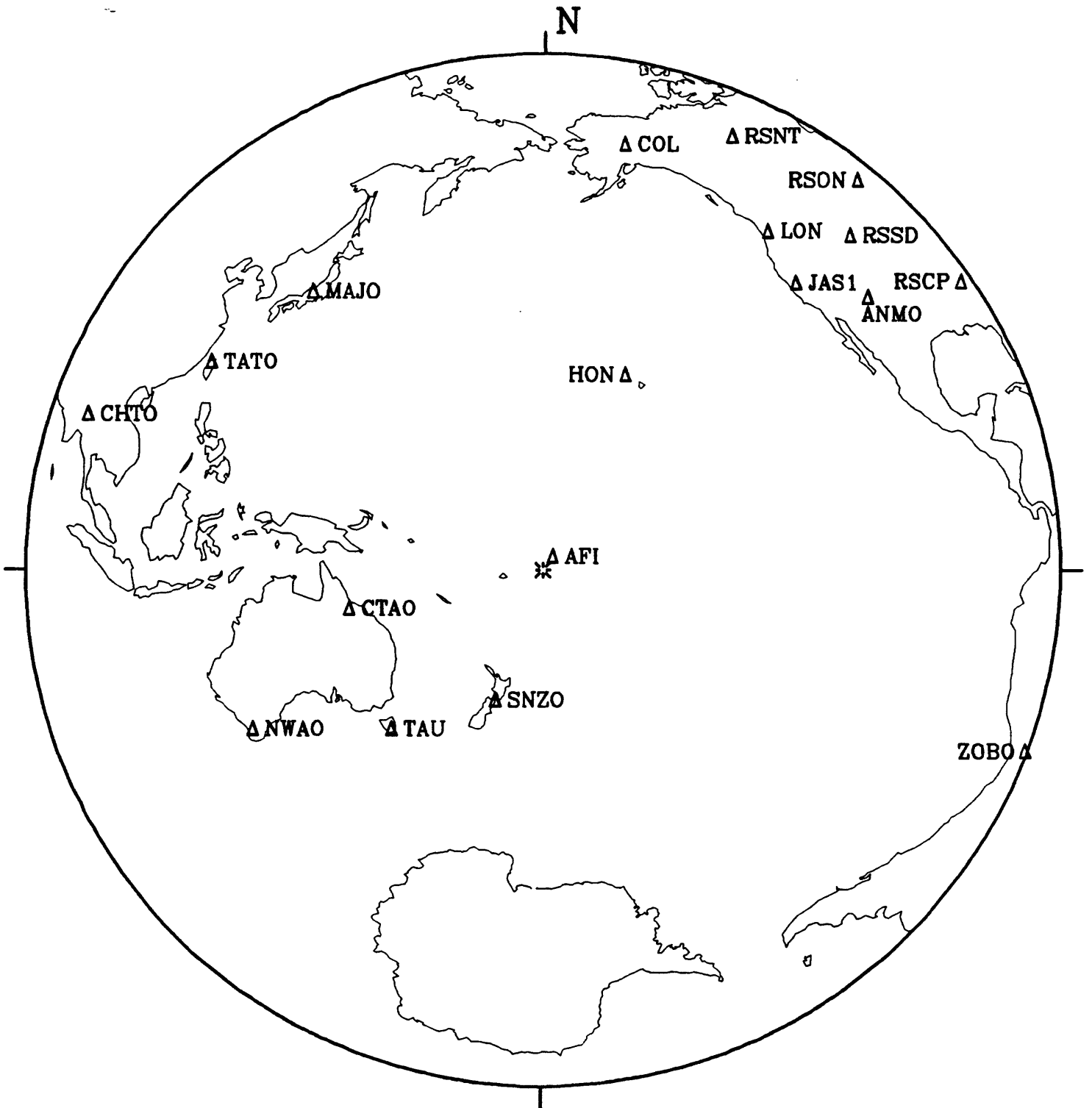
15 September 1985 11:25:08.23
Tonga Islands $h=282.0$ $m_b=5.7$

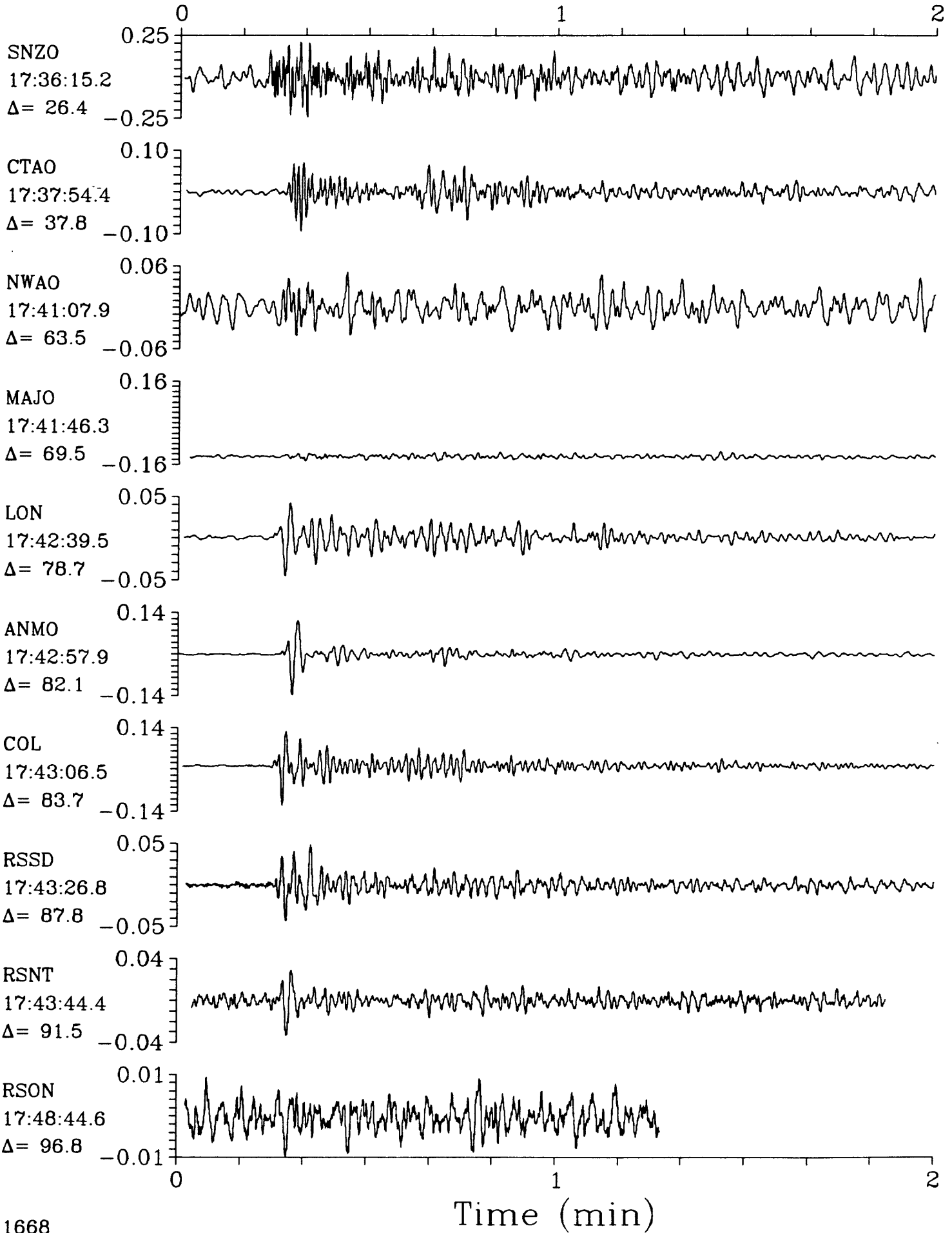
LPZ

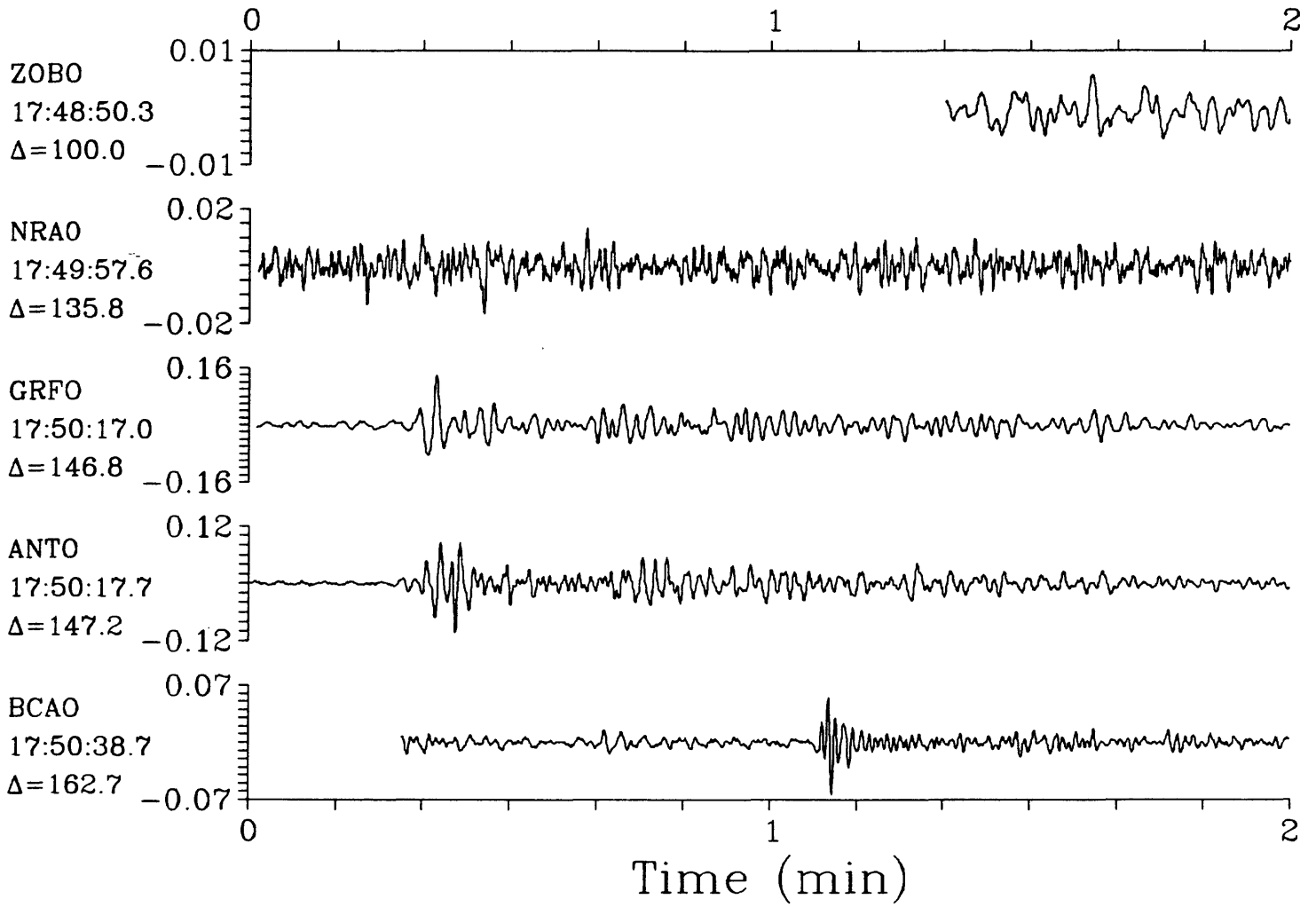


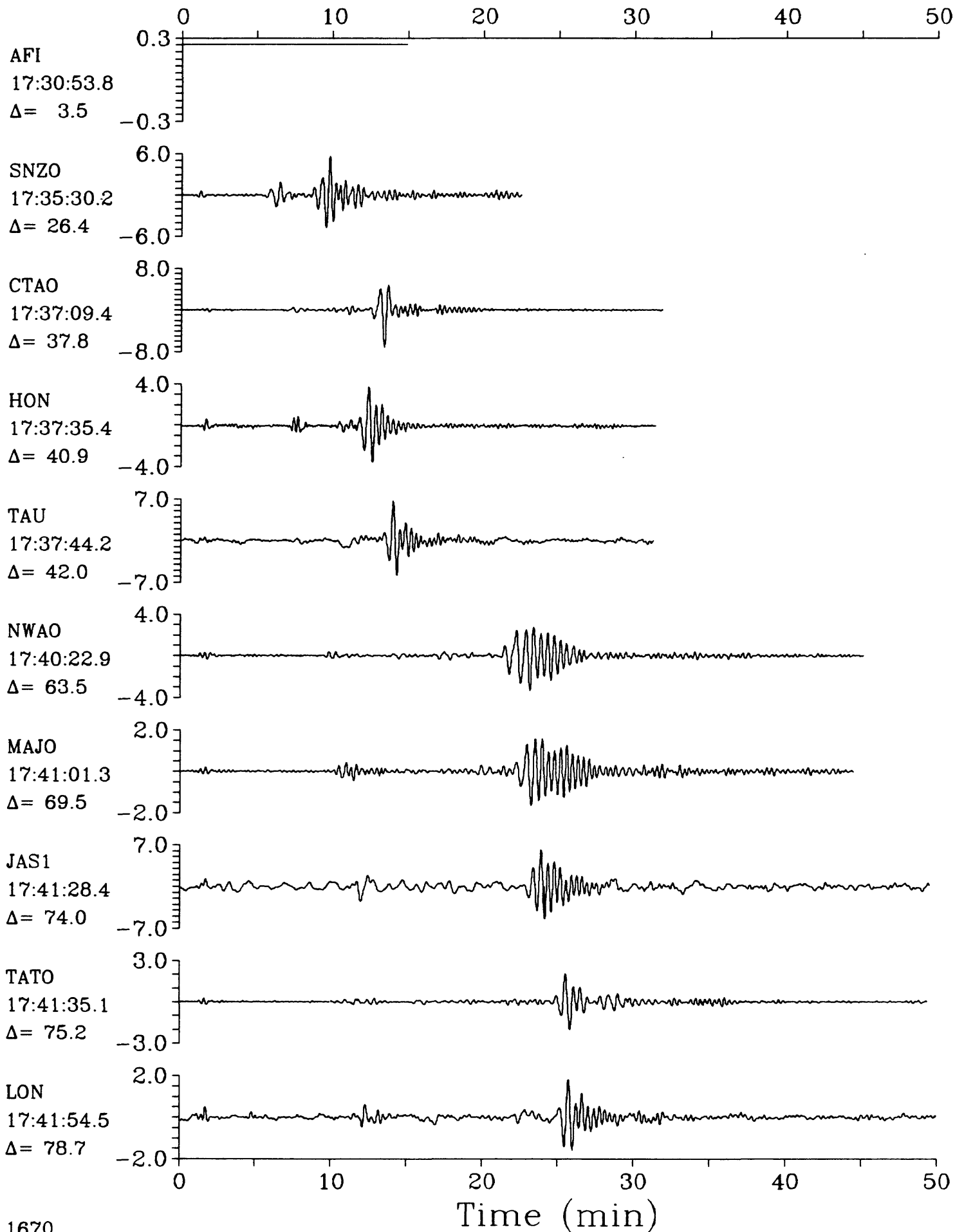
15 September 1985 17:31:01.37

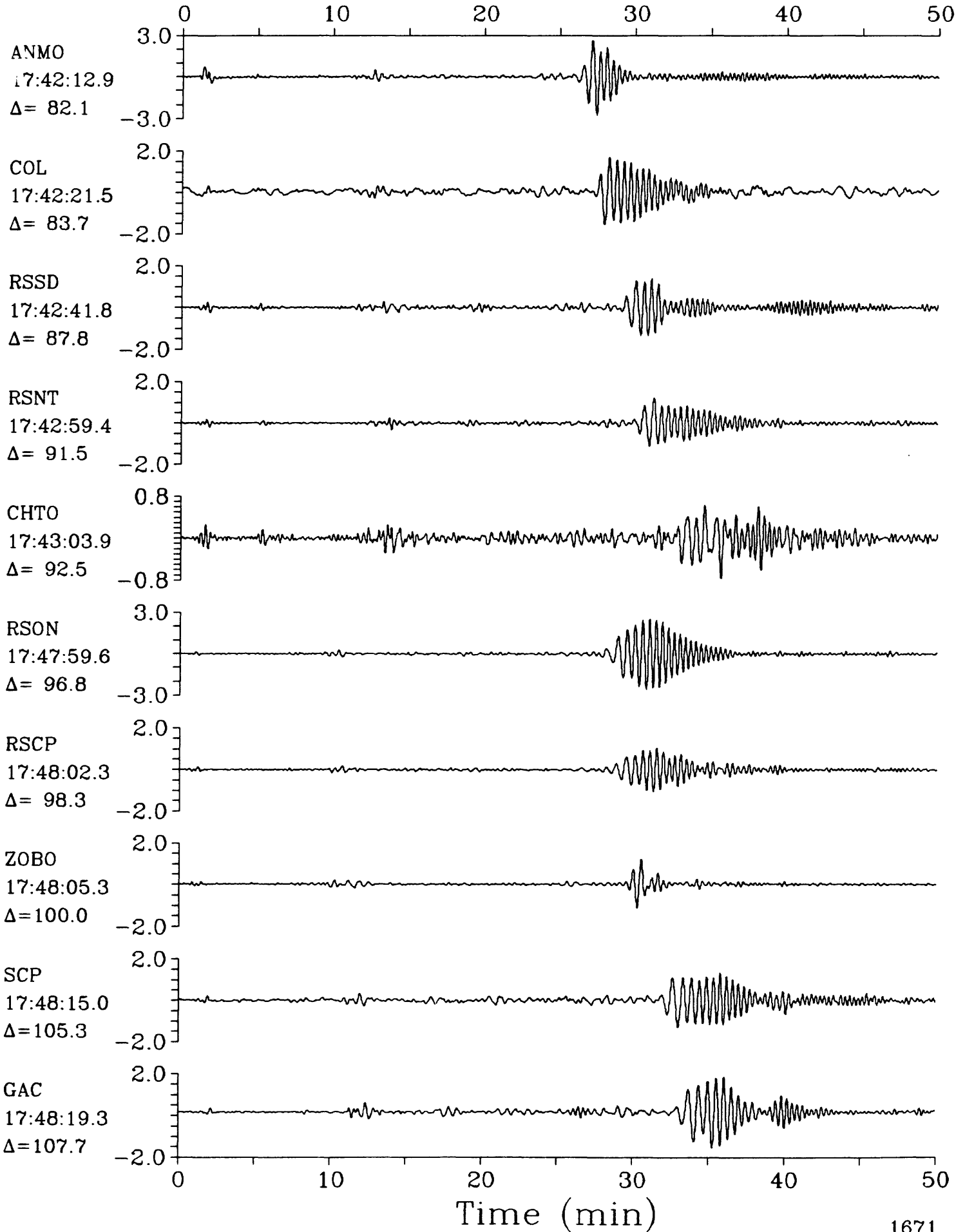
Tonga Islands







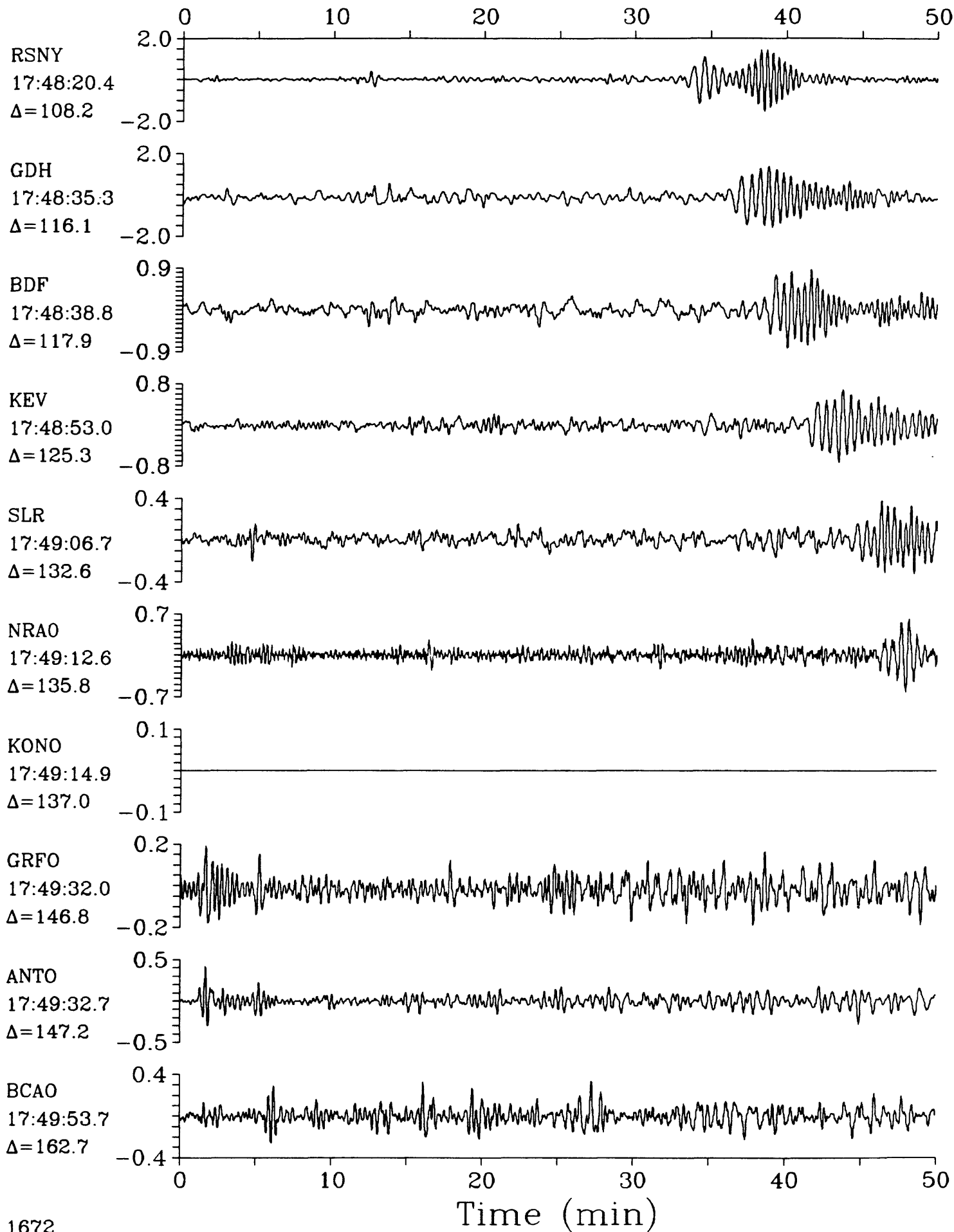




LPZ

15 September 1985 17:31:01.37

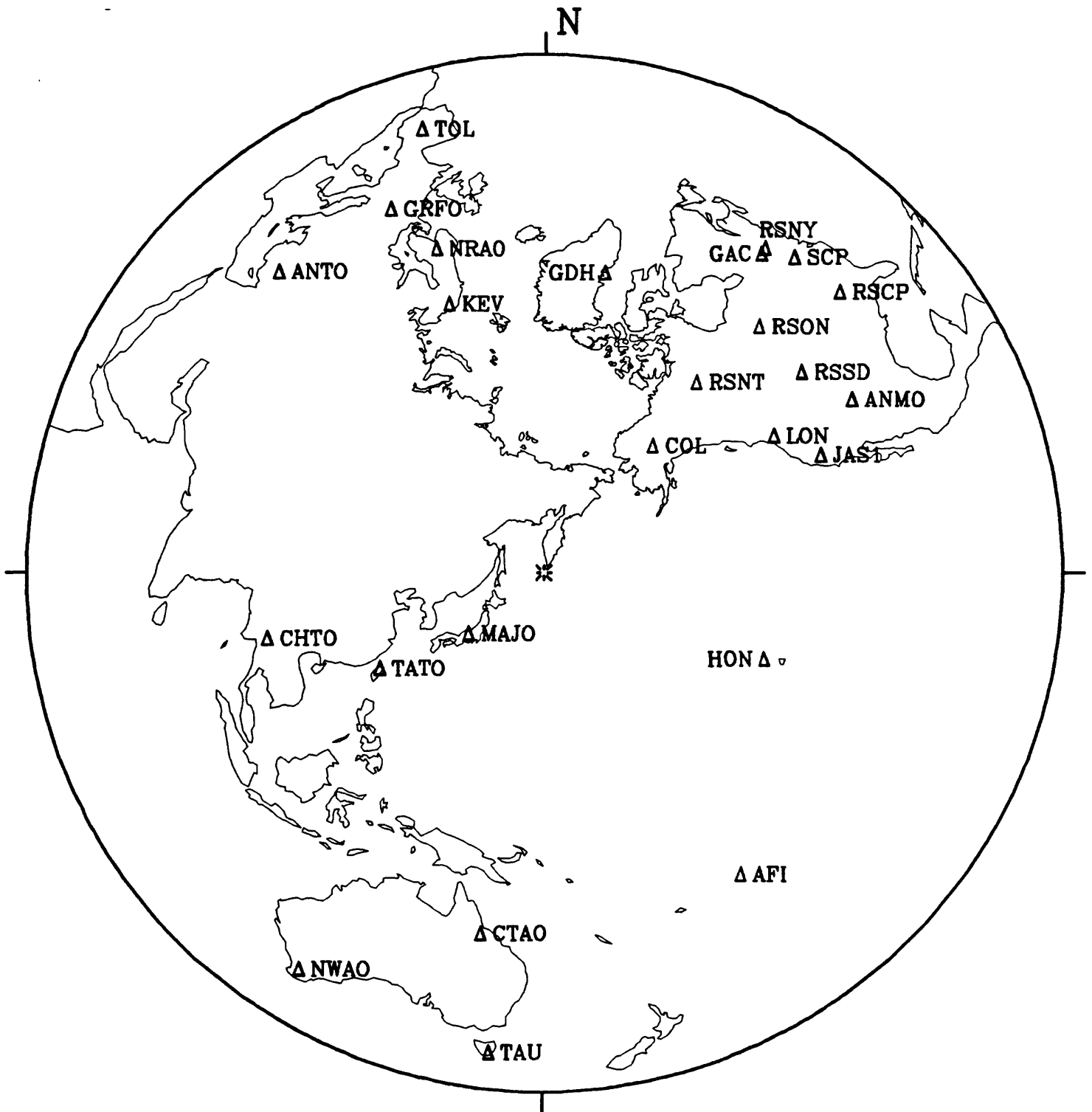
LPZ

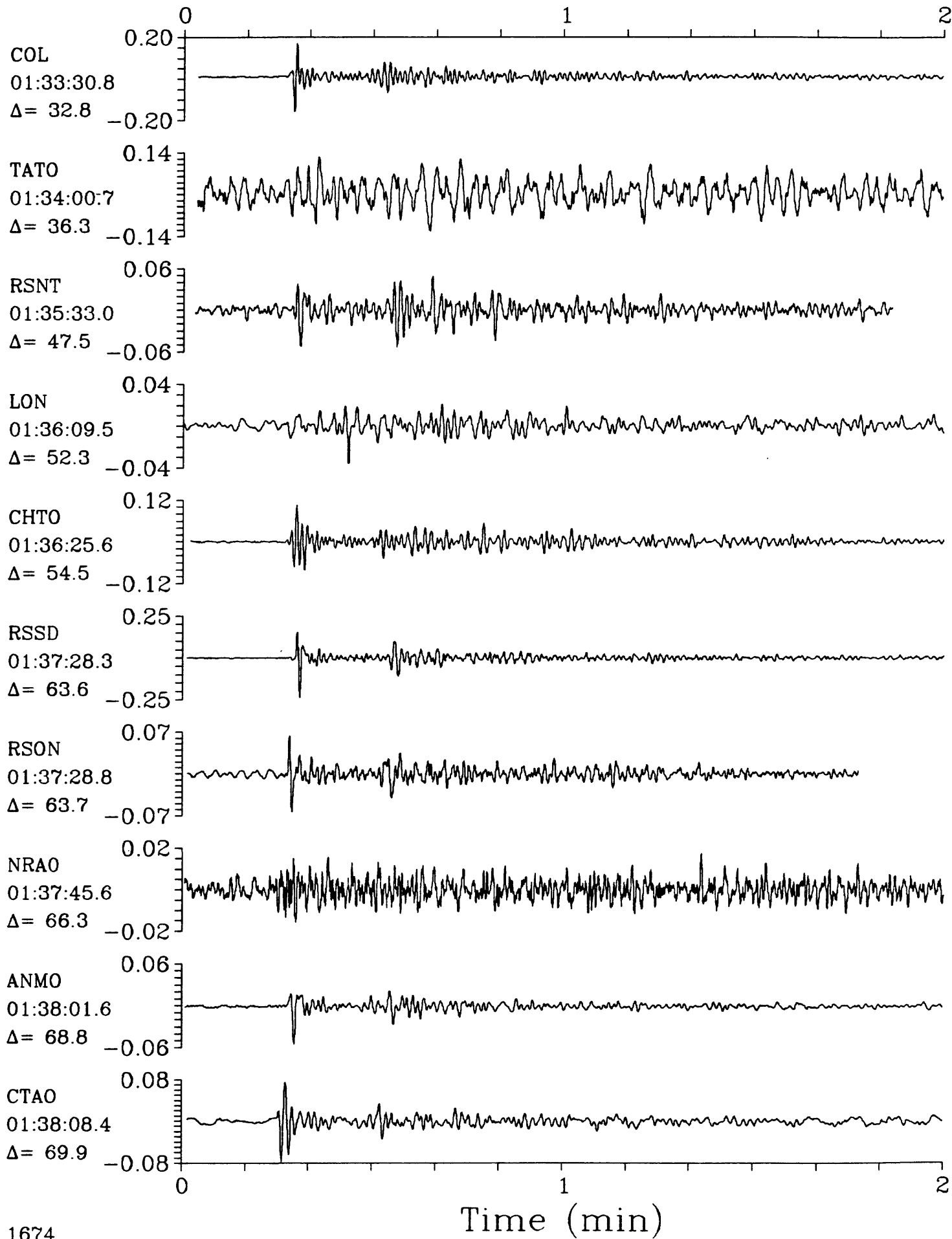
Tonga Islands $h=85.0$ $m_b=5.7$ 

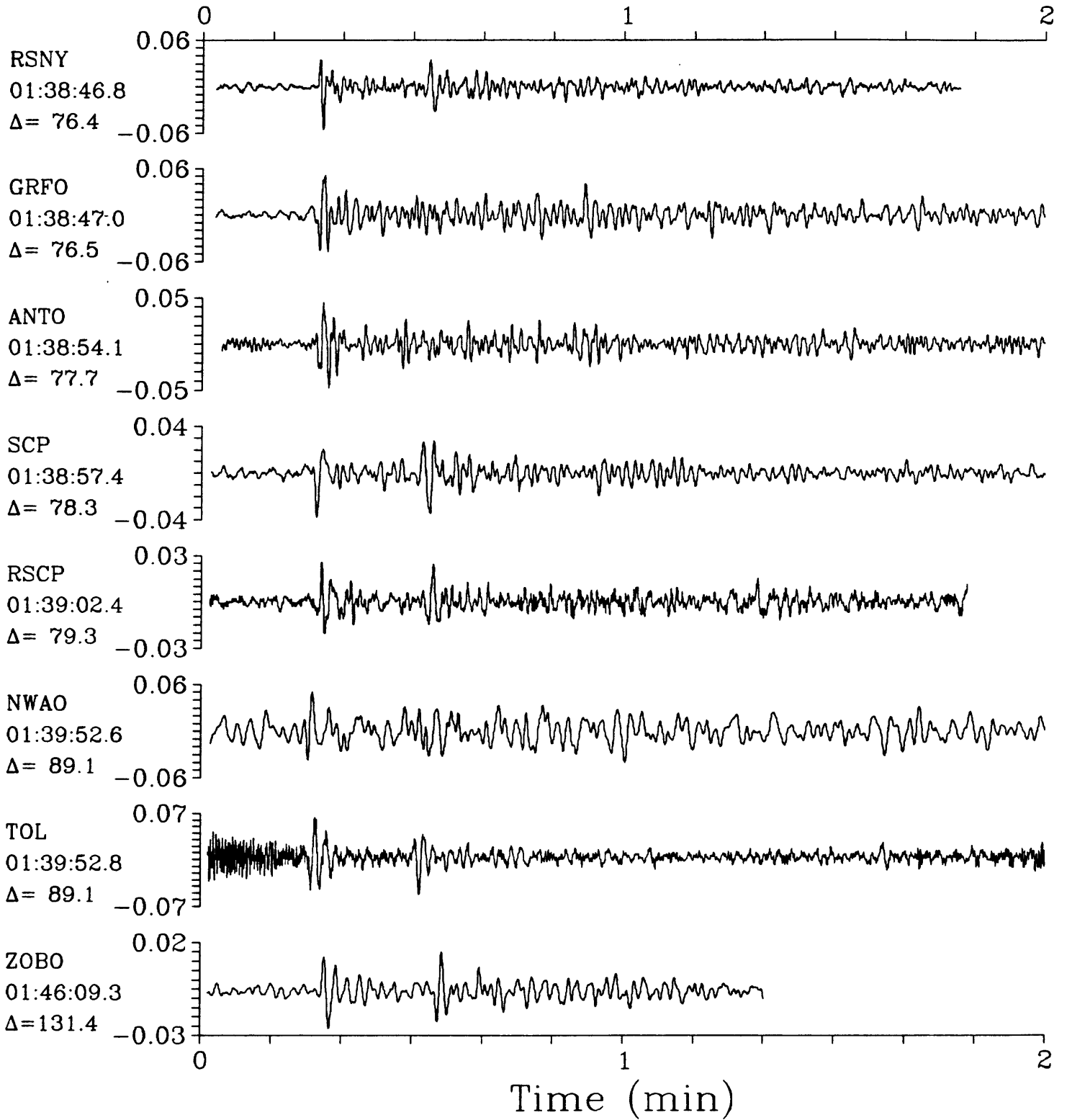
1672

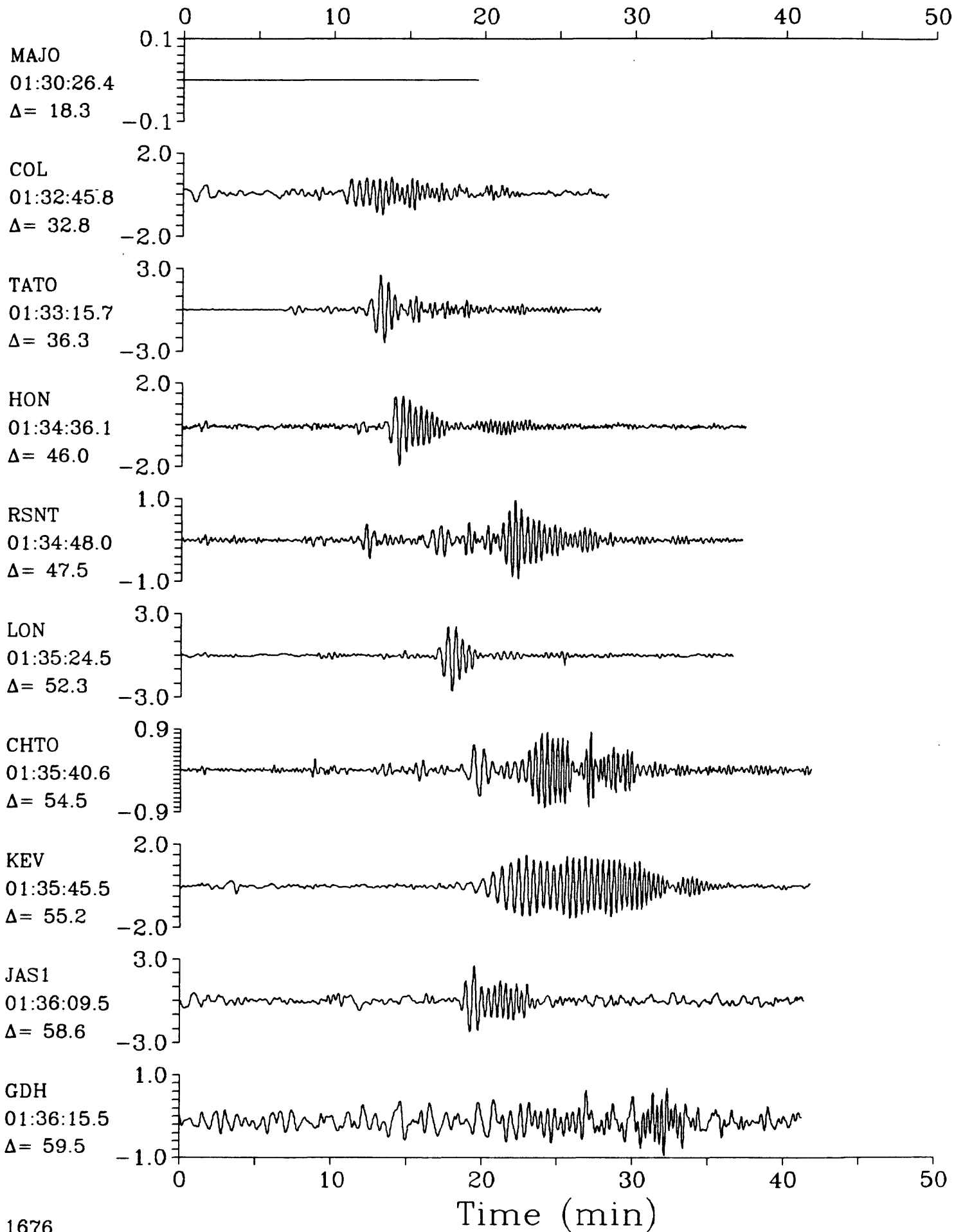
18 September 1985 01:27:17.83

Kuril Islands

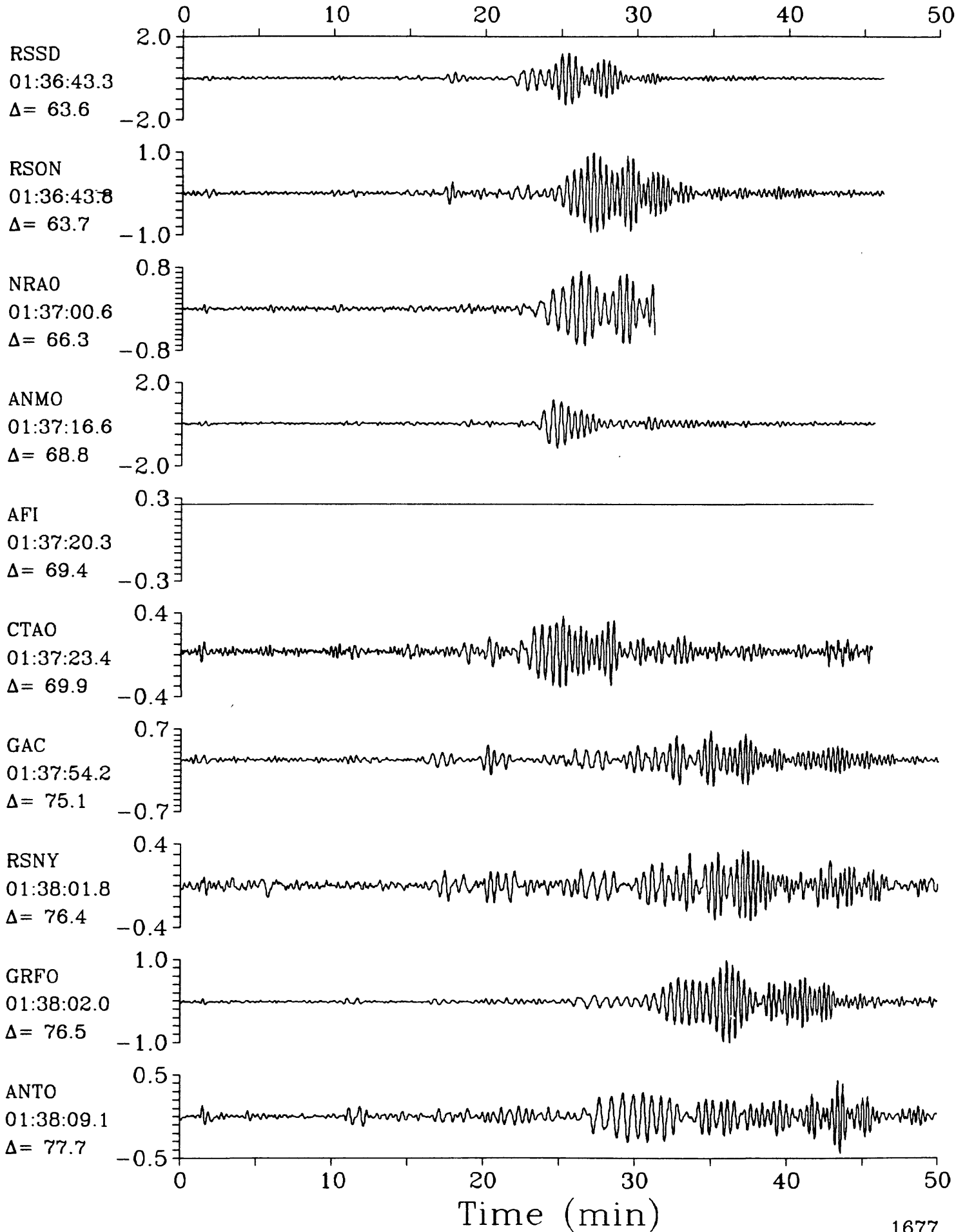


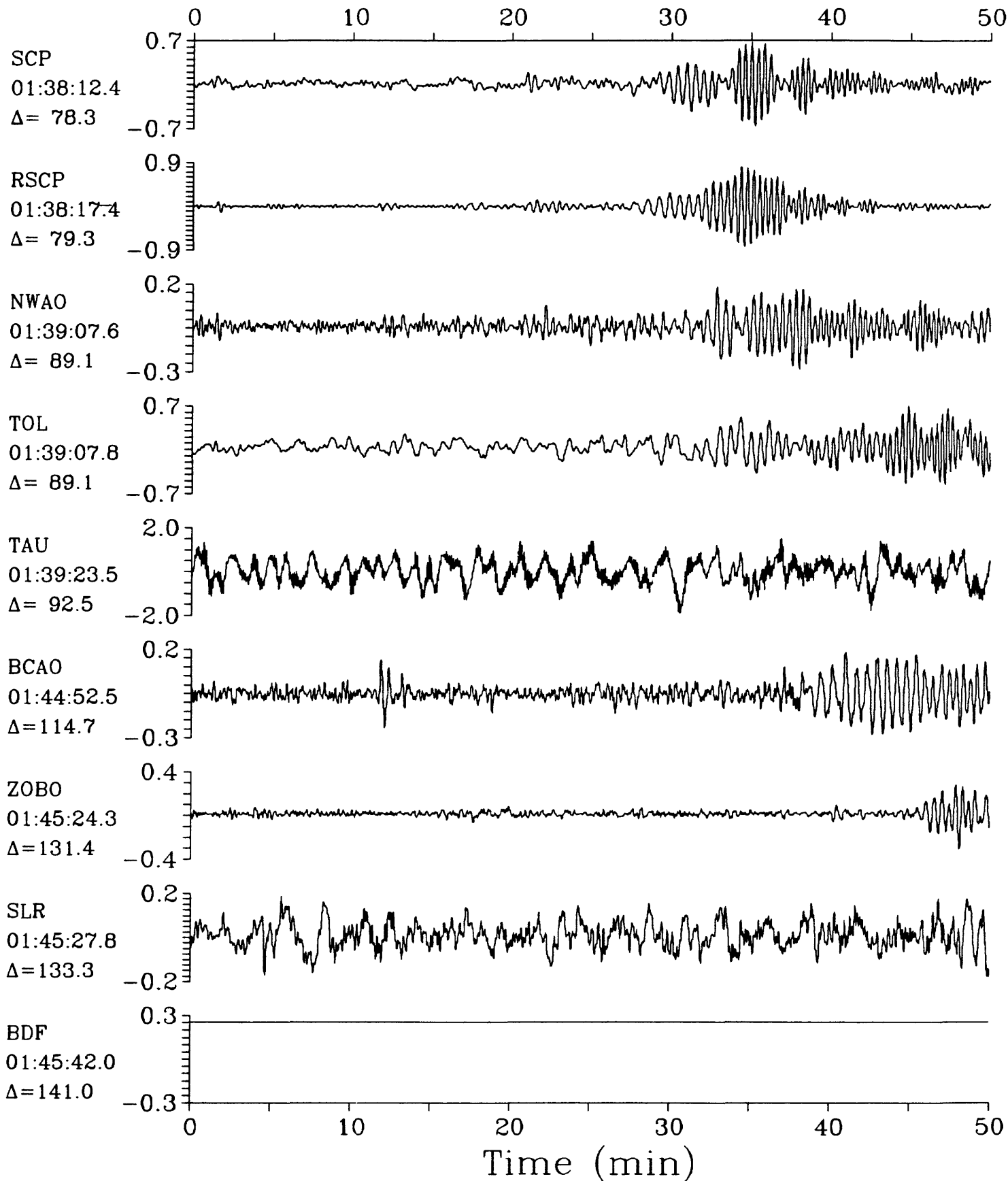






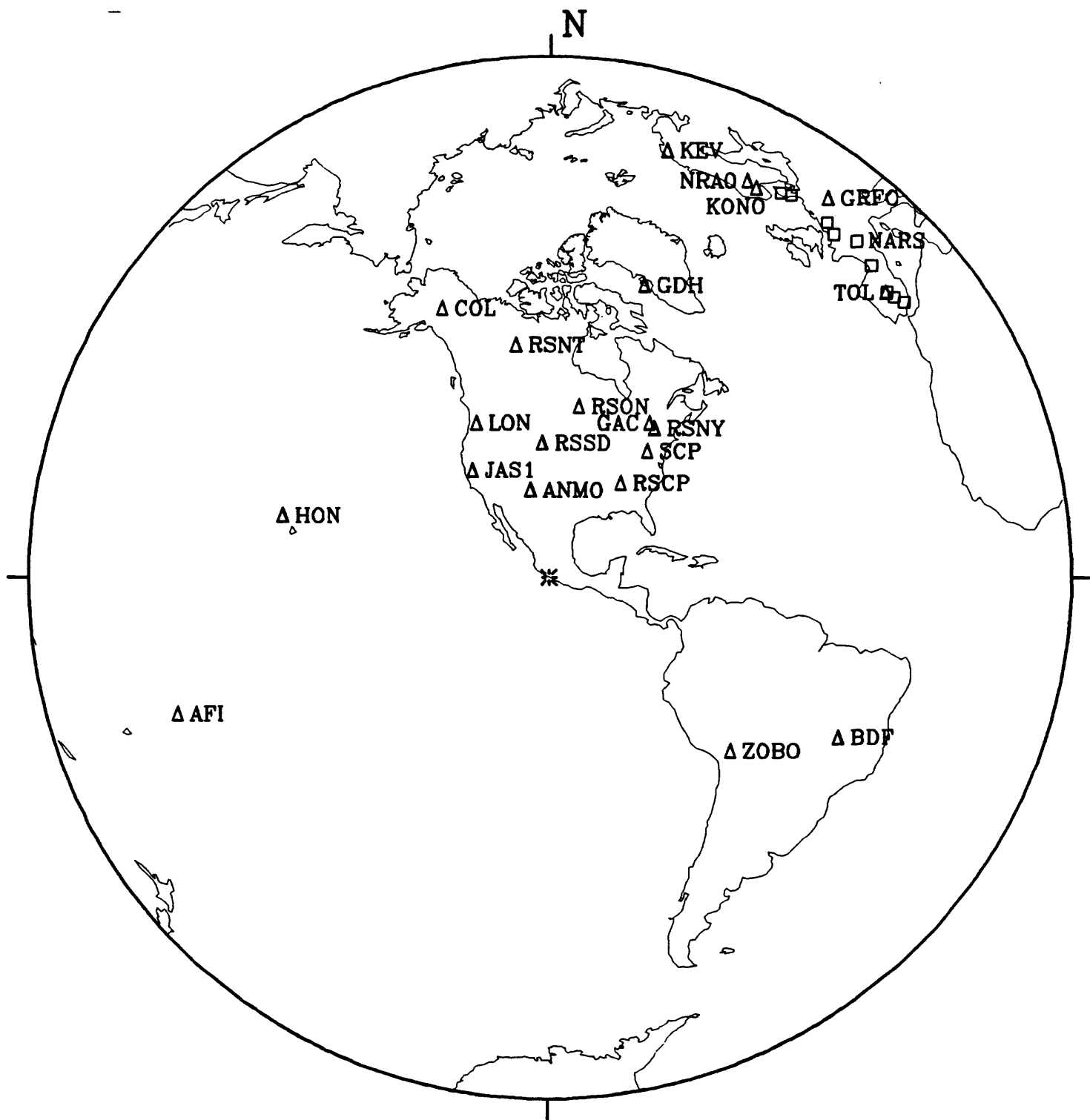
Kuril Islands $h=57.4$ $m_b=5.5$



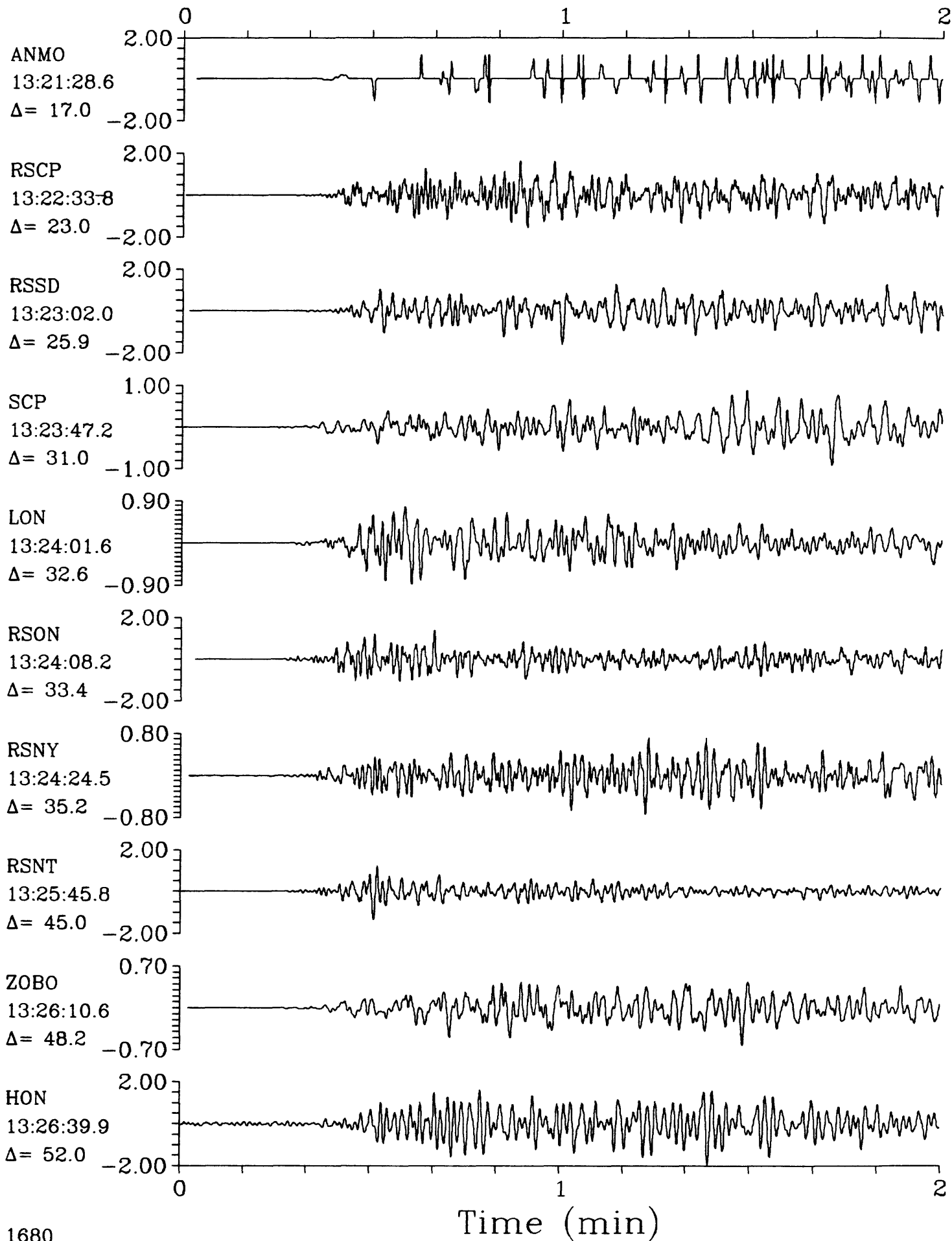
Kuril Islands $h=57.4$ $m_b=5.5$ 

19 September 1985 13:17:47.89

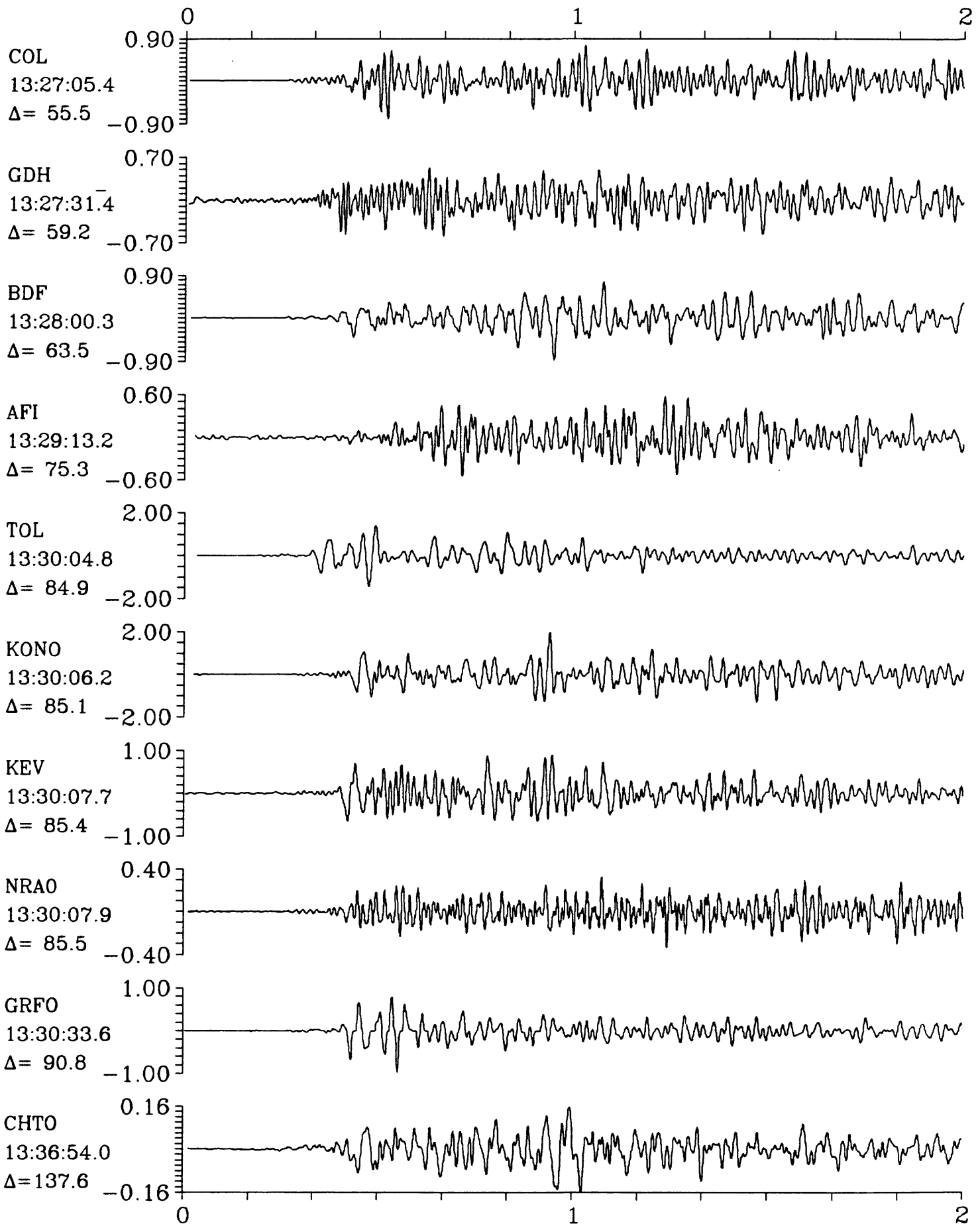
Michoacan, Mexico



Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$



Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$



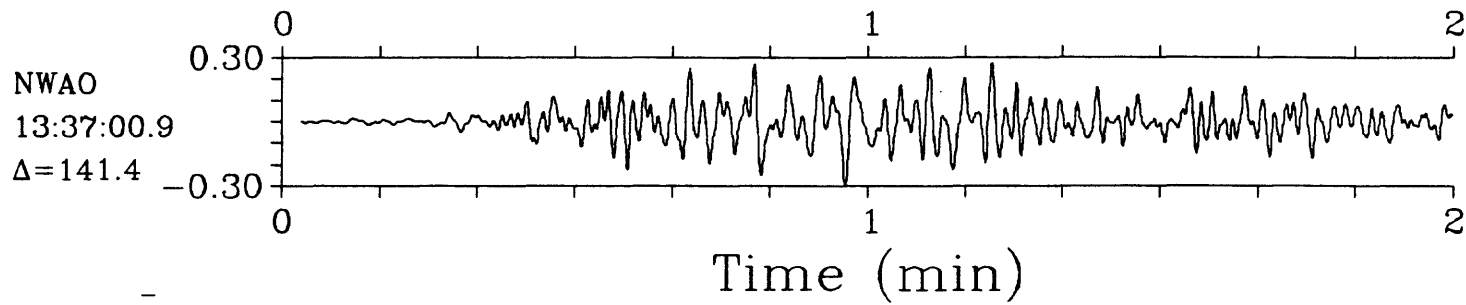
Time (min)

SPZ

19 September 1985 13:17:47.89

SPZ

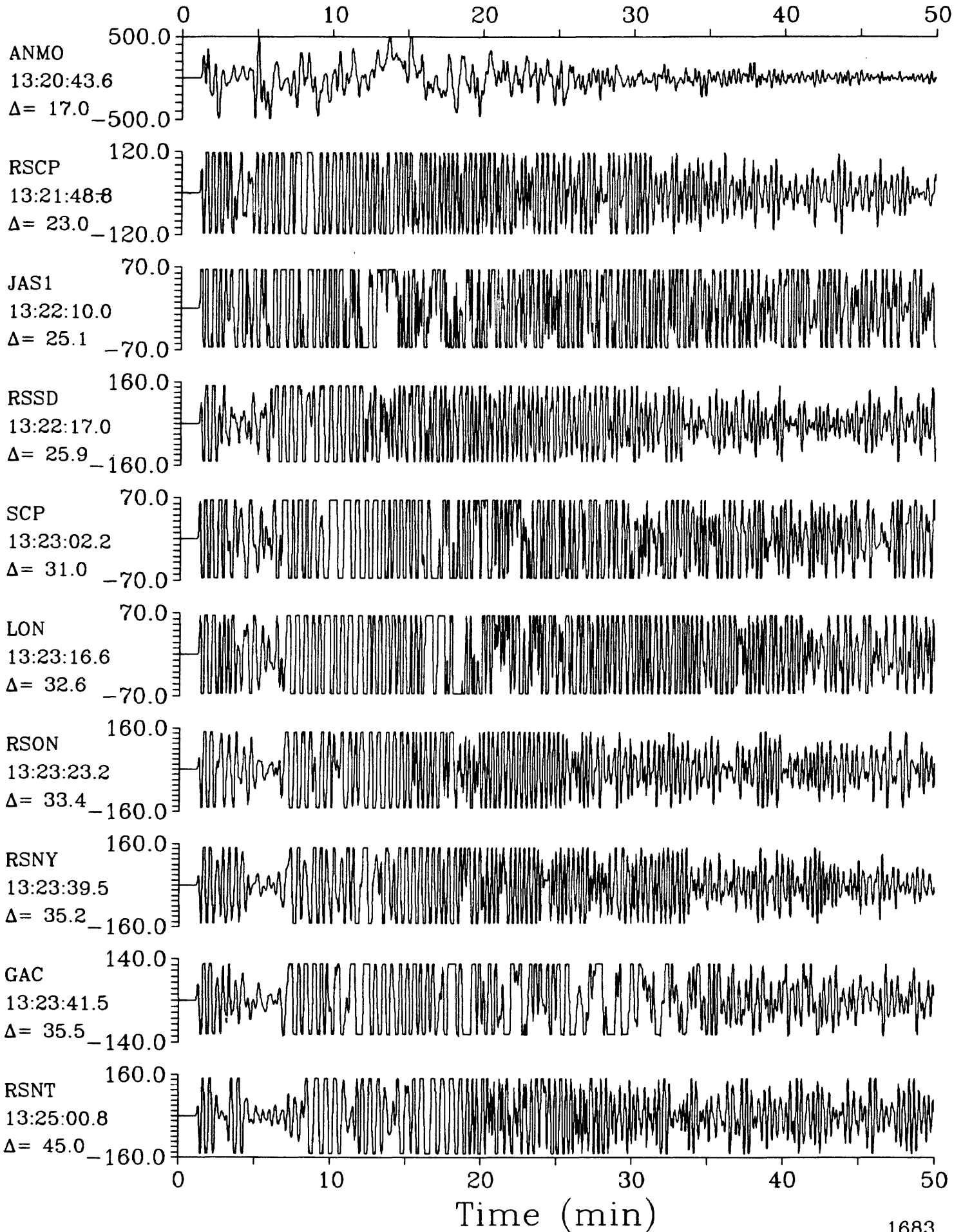
Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$



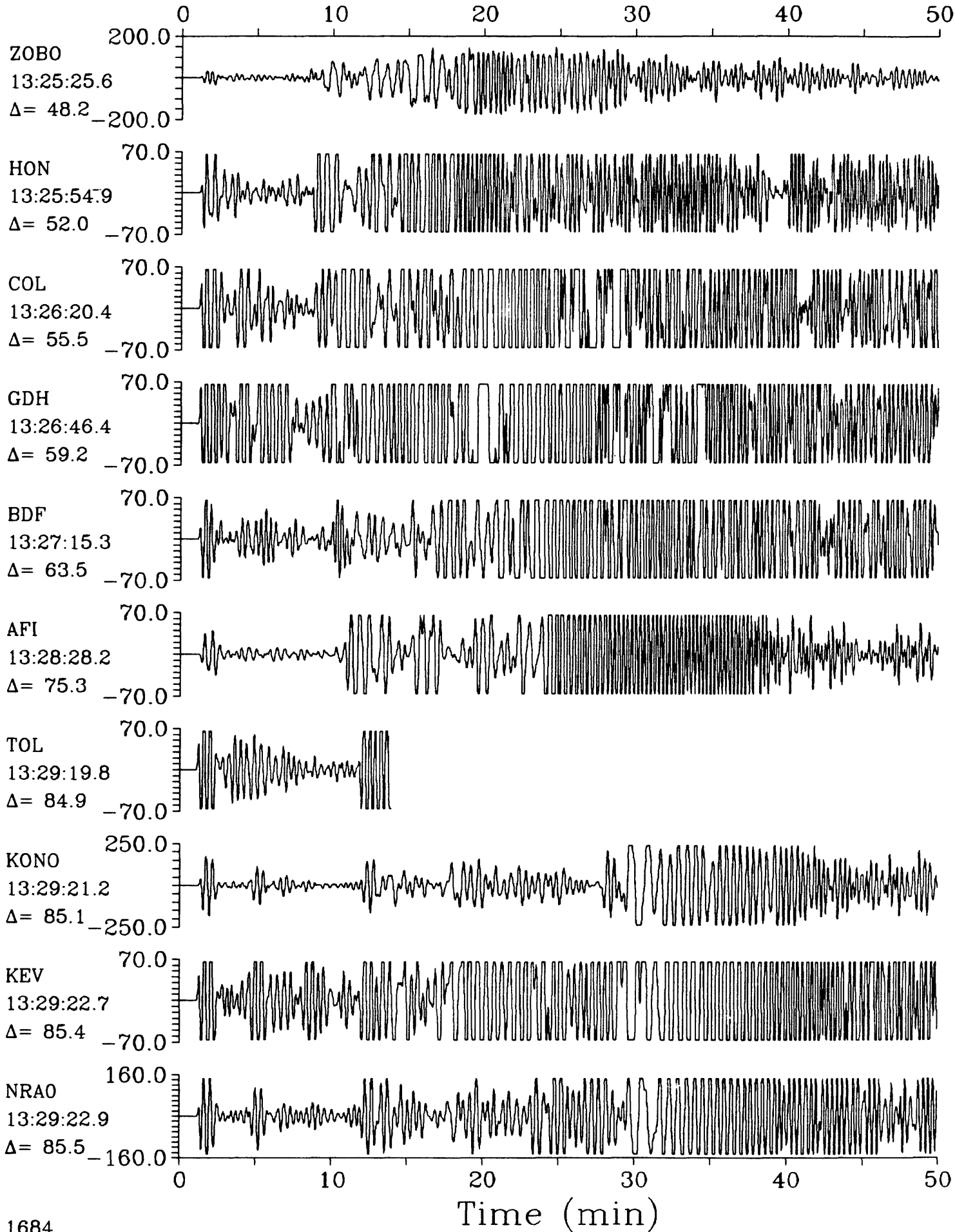
LPZ

19 September 1985 13:17:47.89

LPZ

Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$ 

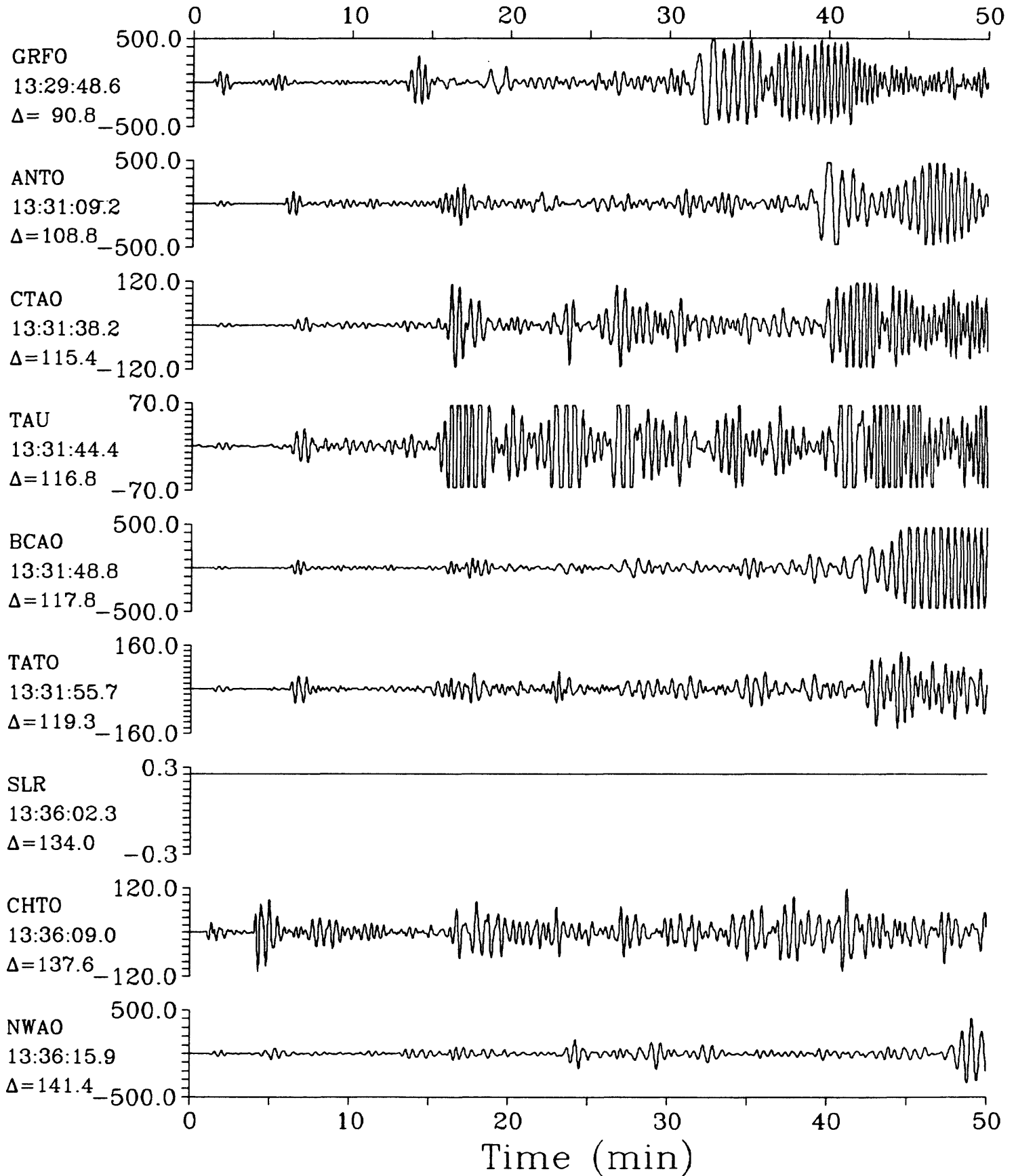
1683

Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{SZ}=8.1$ 

LPZ

19 September 1985 13:17:47.89

LPZ

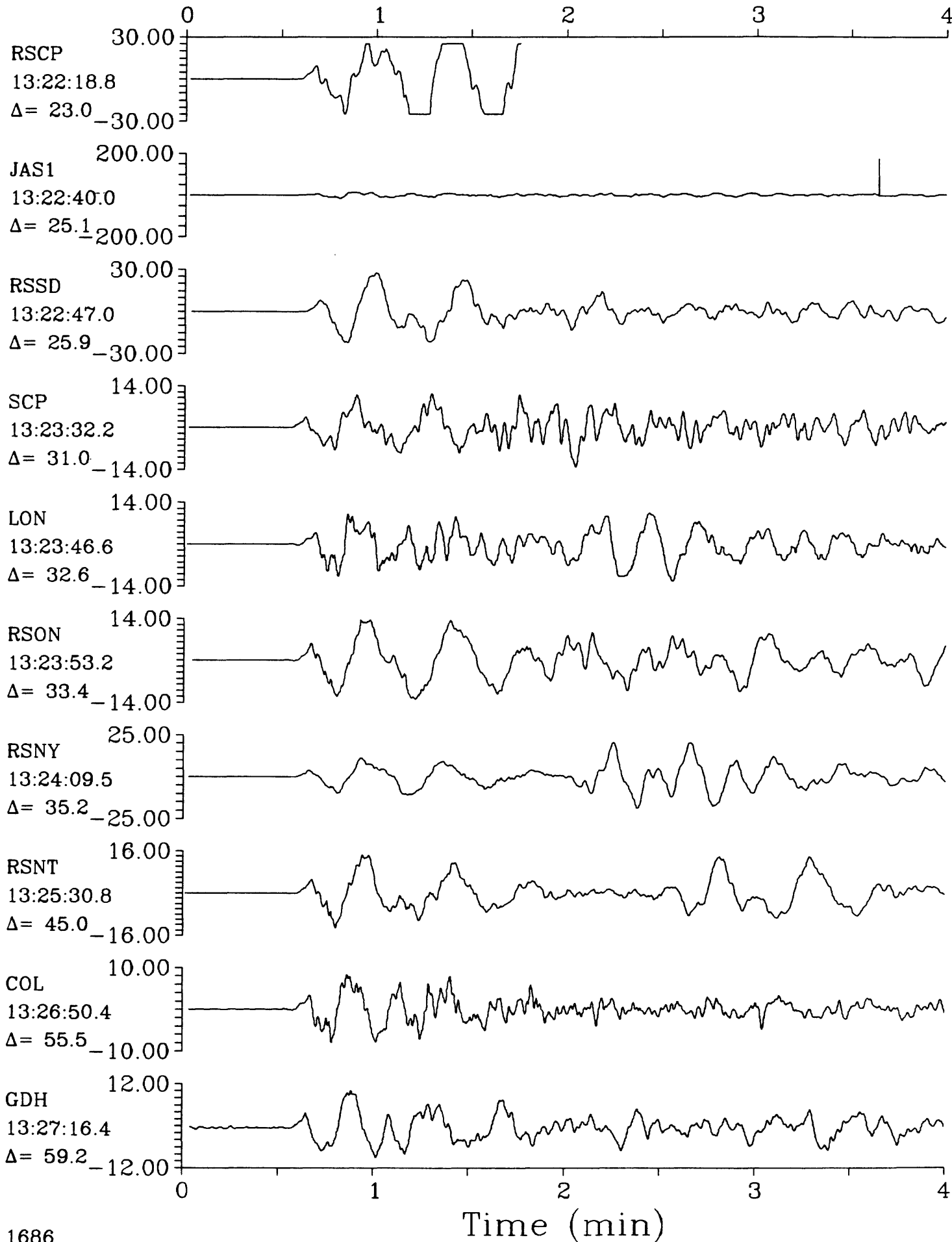
Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$ 

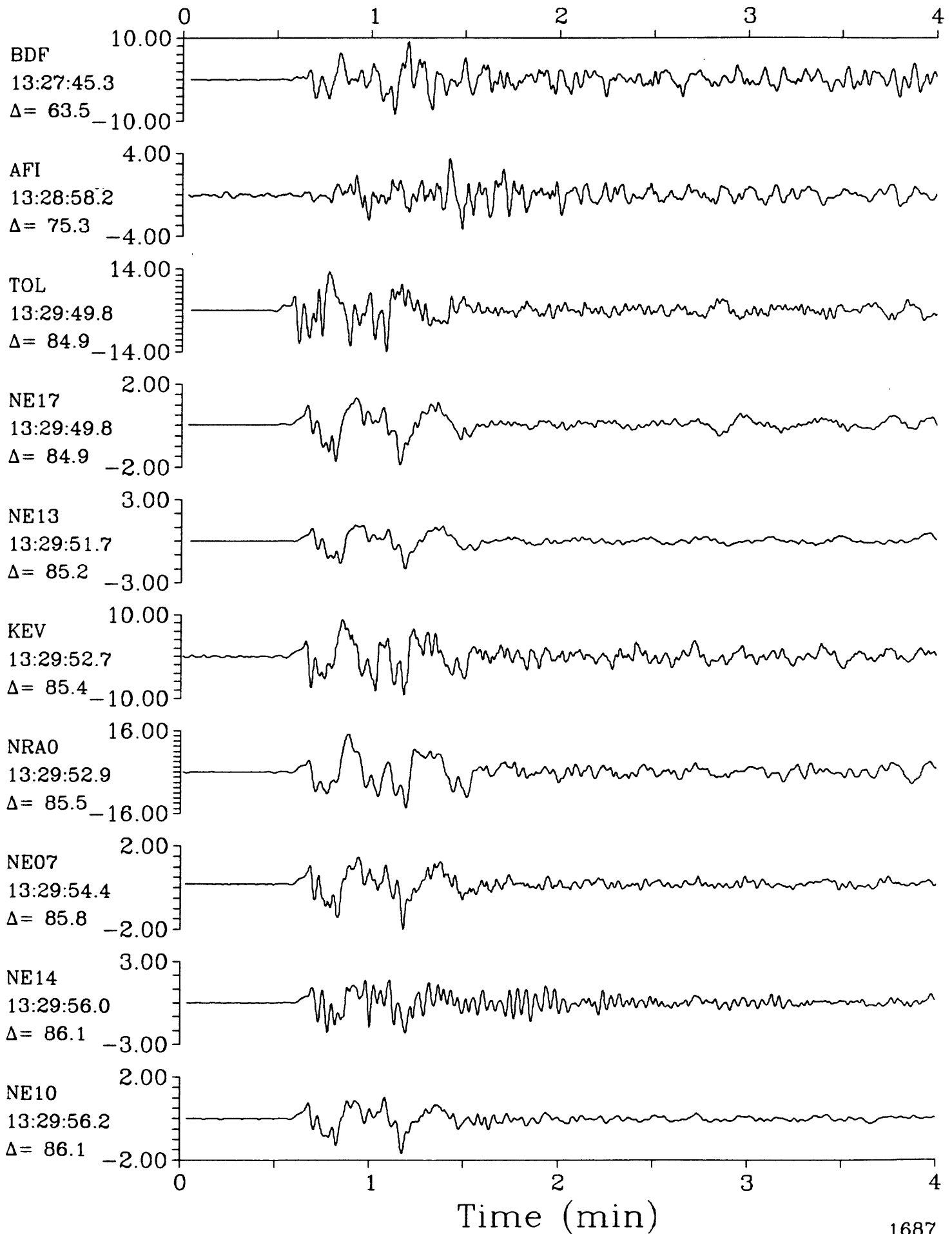
IPZ

19 September 1985 13:17:47.89

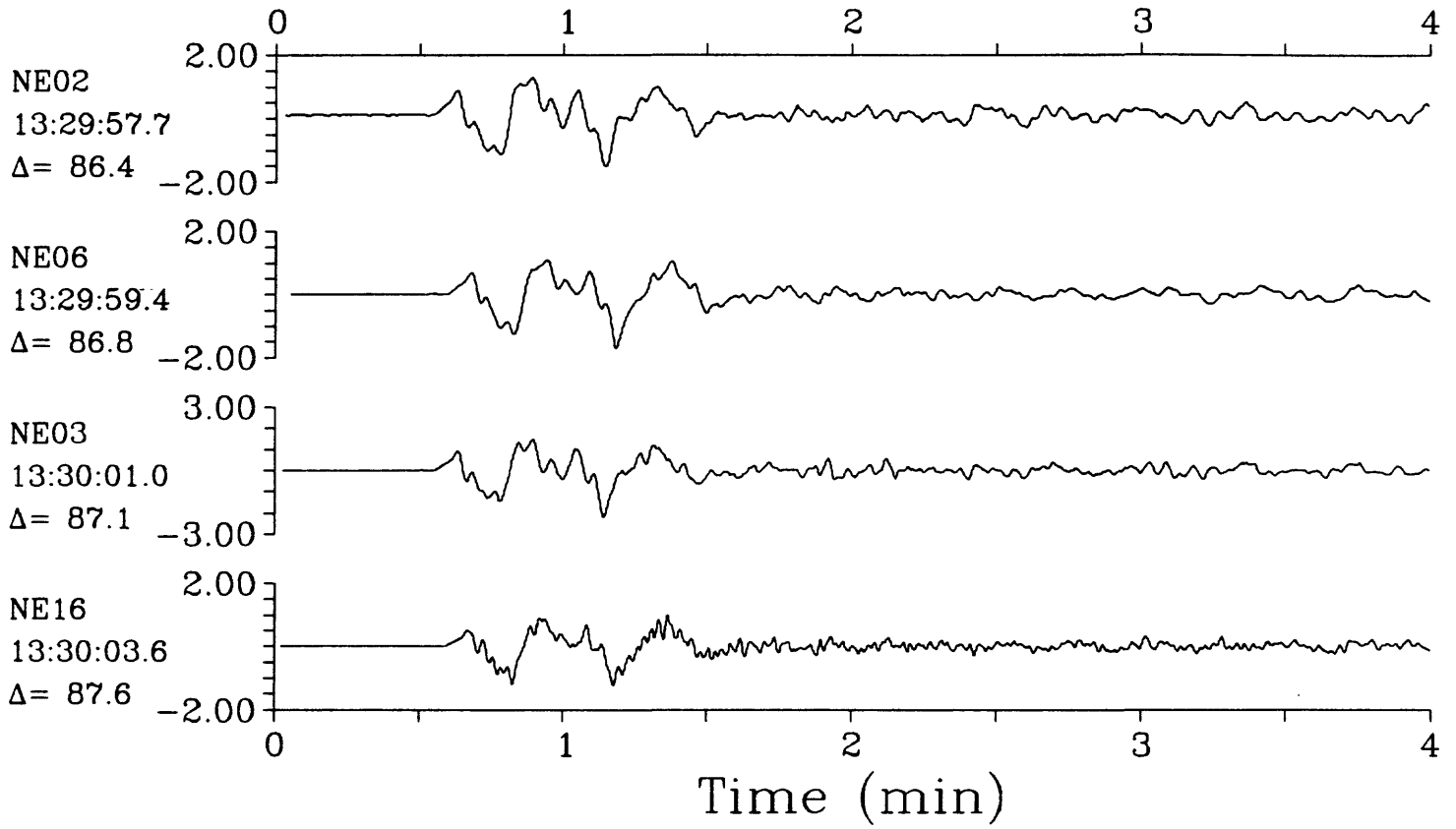
IPZ

Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$



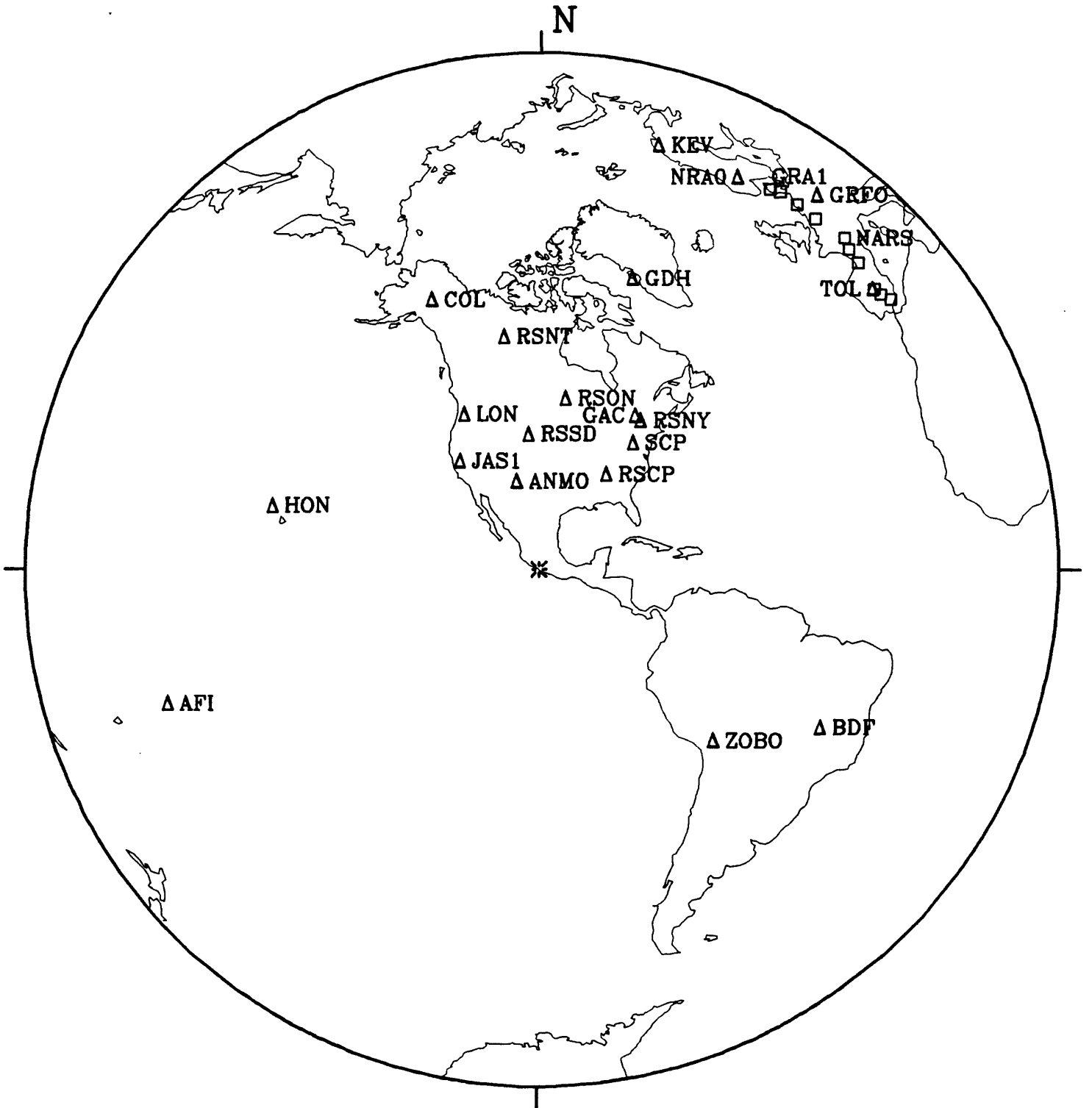
Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$ 

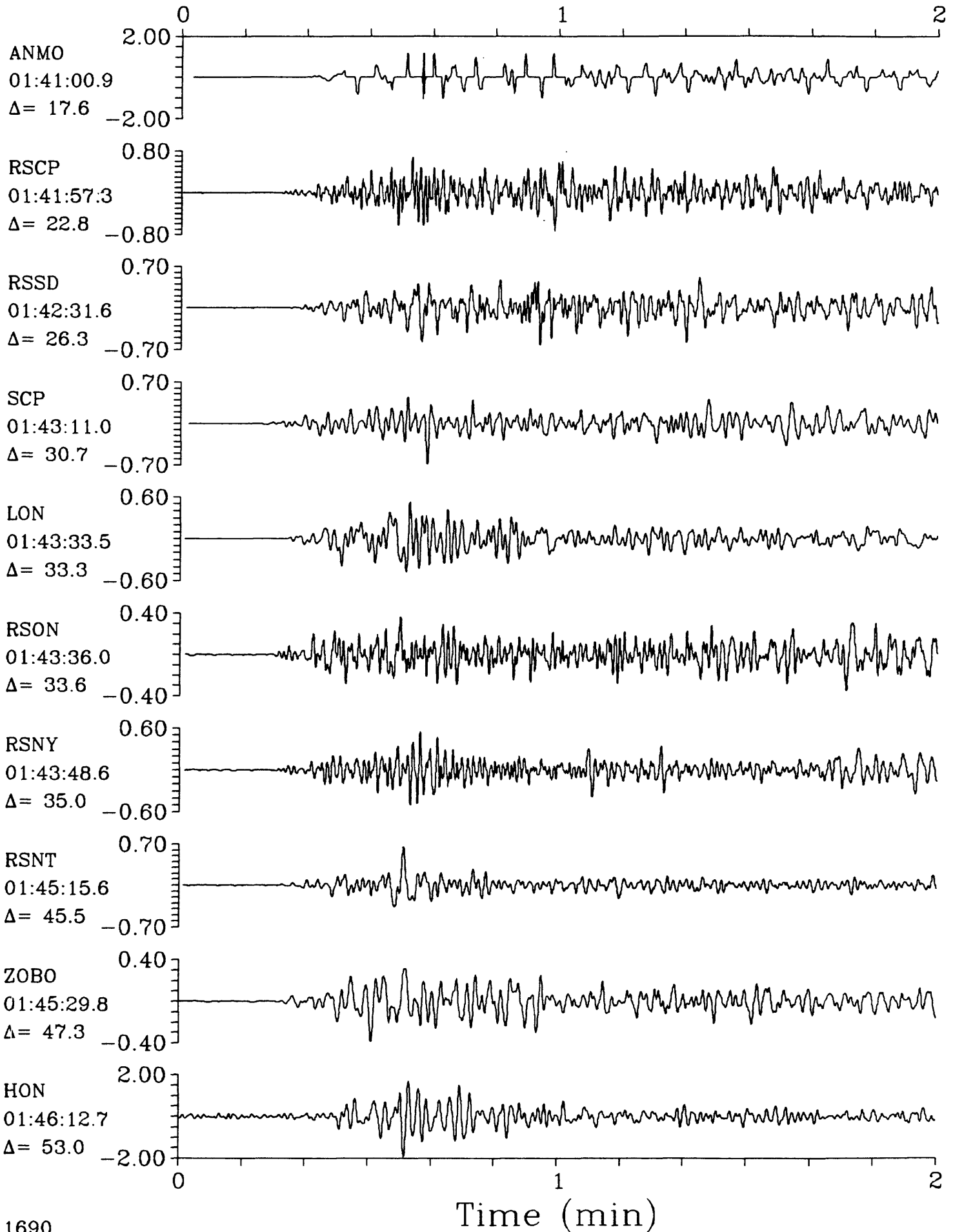
Michoacan, Mexico $h=33.0$ $m_b=7.0$ $M_{sz}=8.1$

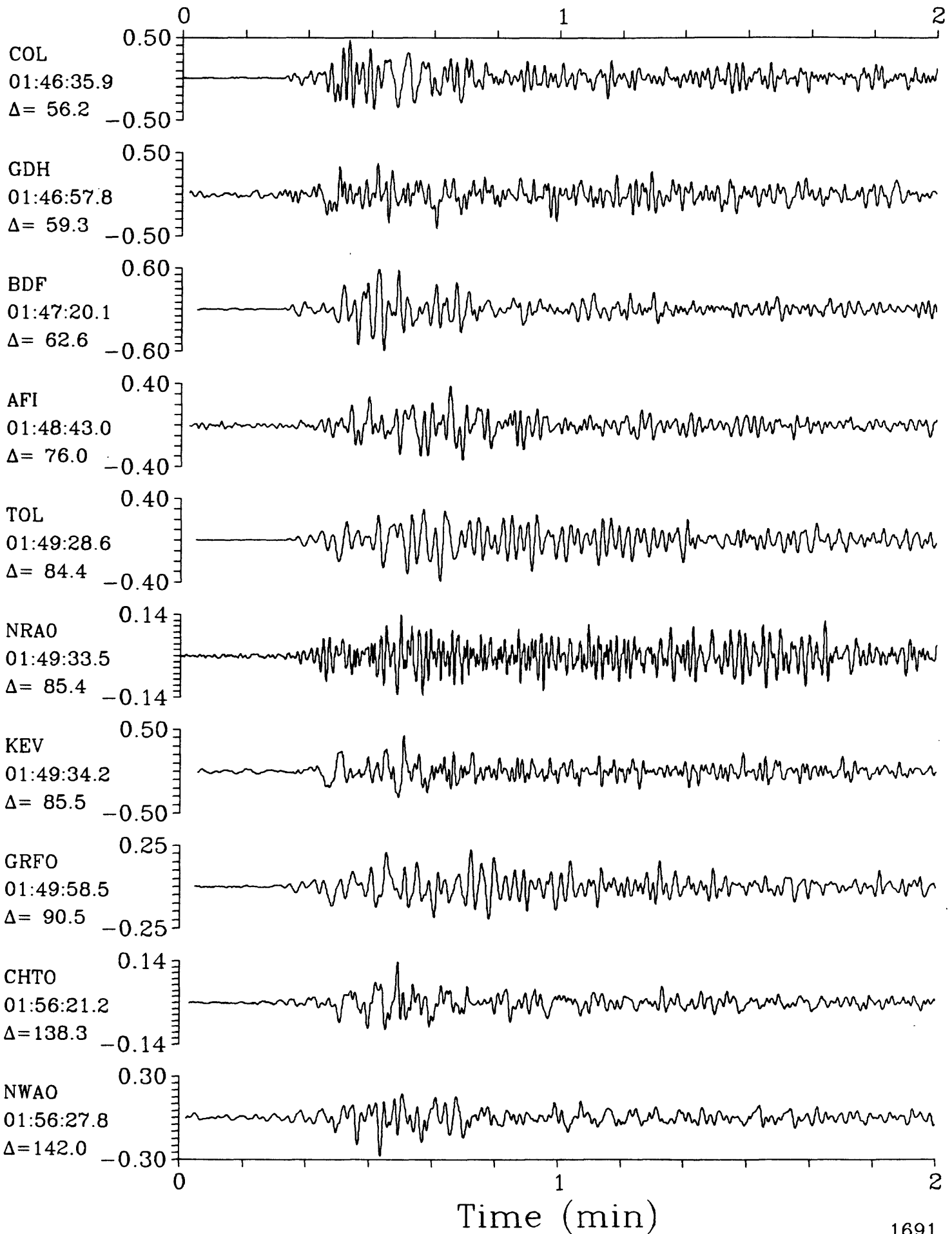


21 September 1985 01:37:13.81

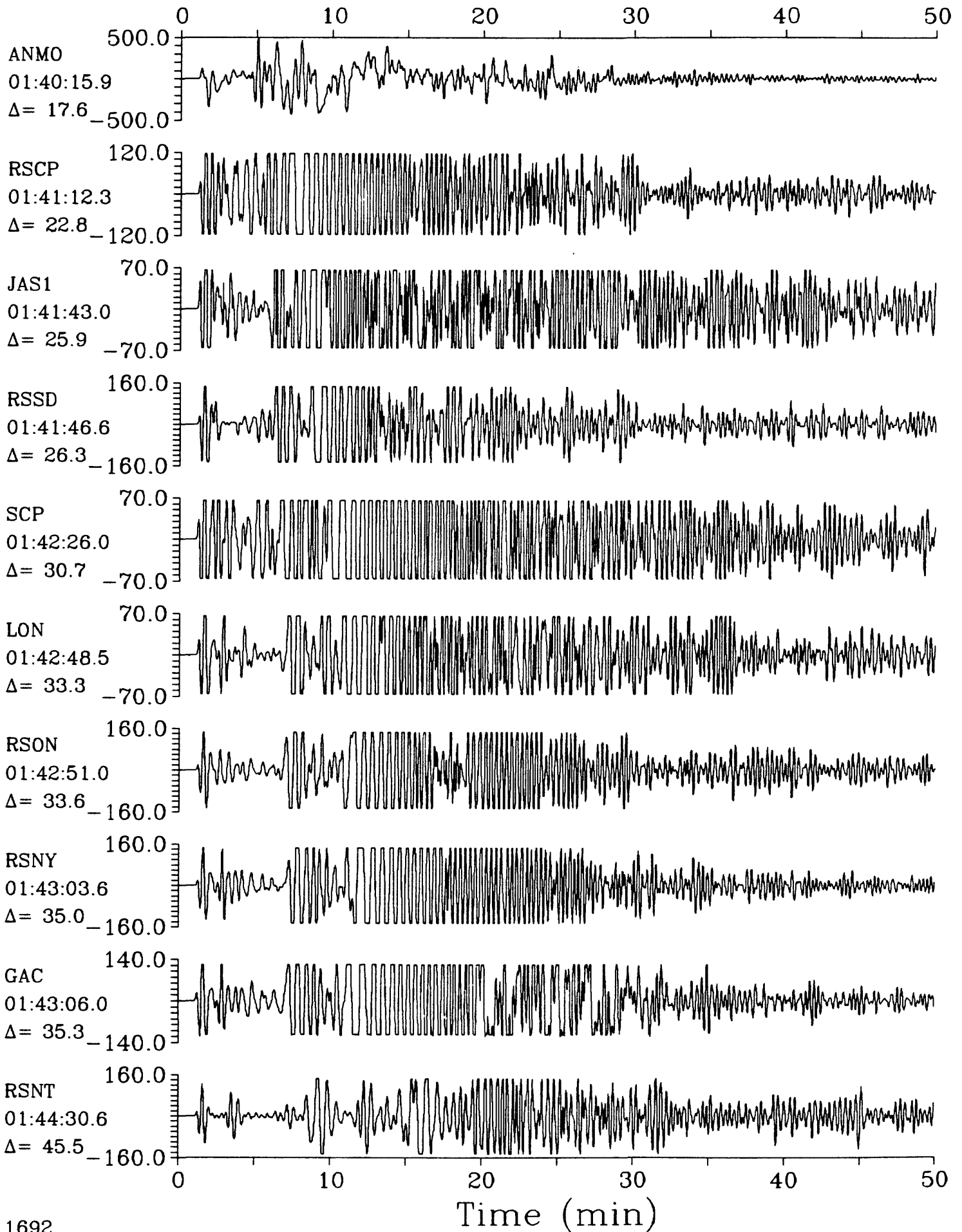
Near Coast of Guerrero, Mexico







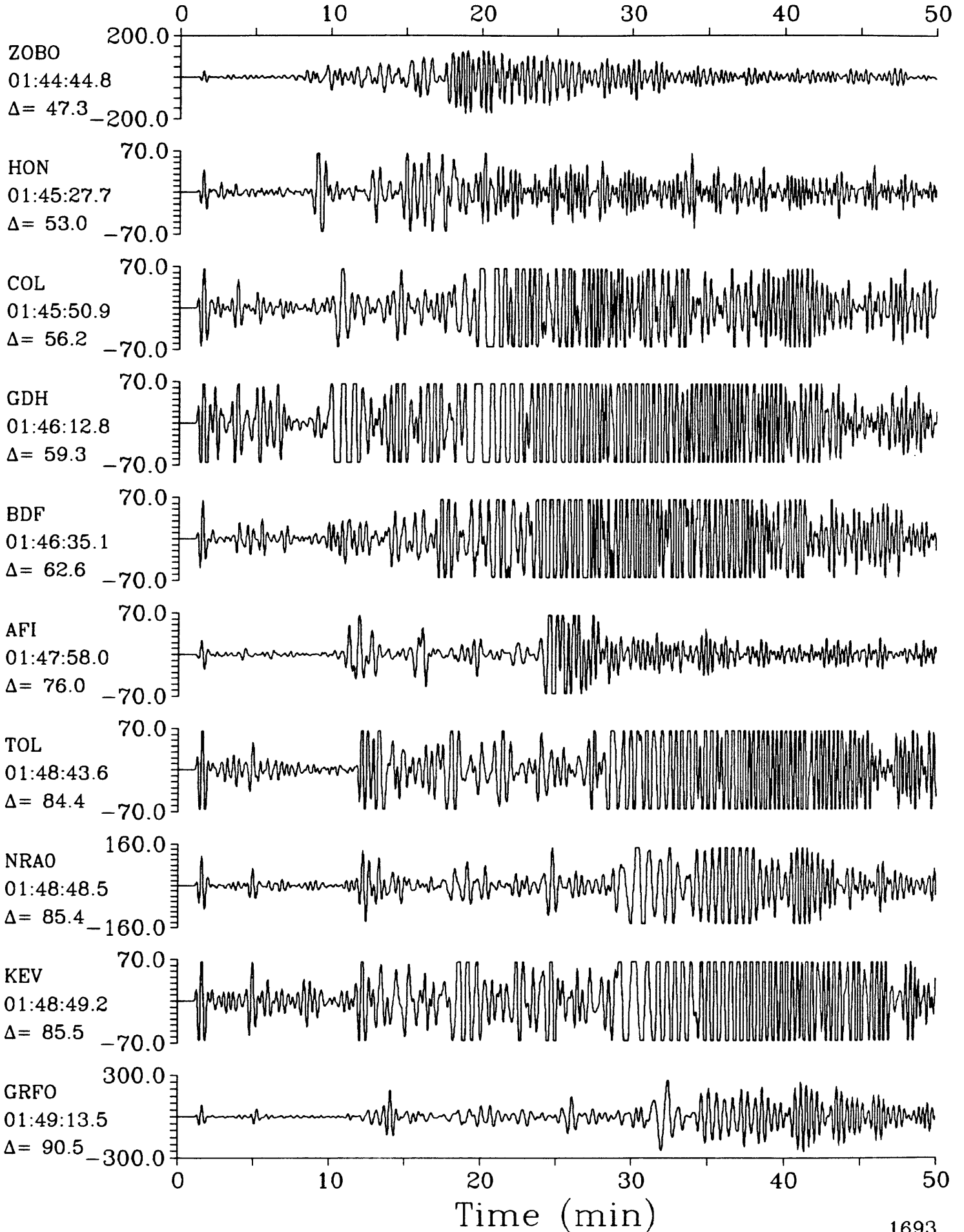
Near Coast of Guerrero, Mexico $h=33.0$ $m_b=6.3$ $M_{sz}=7.5$



LPZ

21 September 1985 01:37:13.81

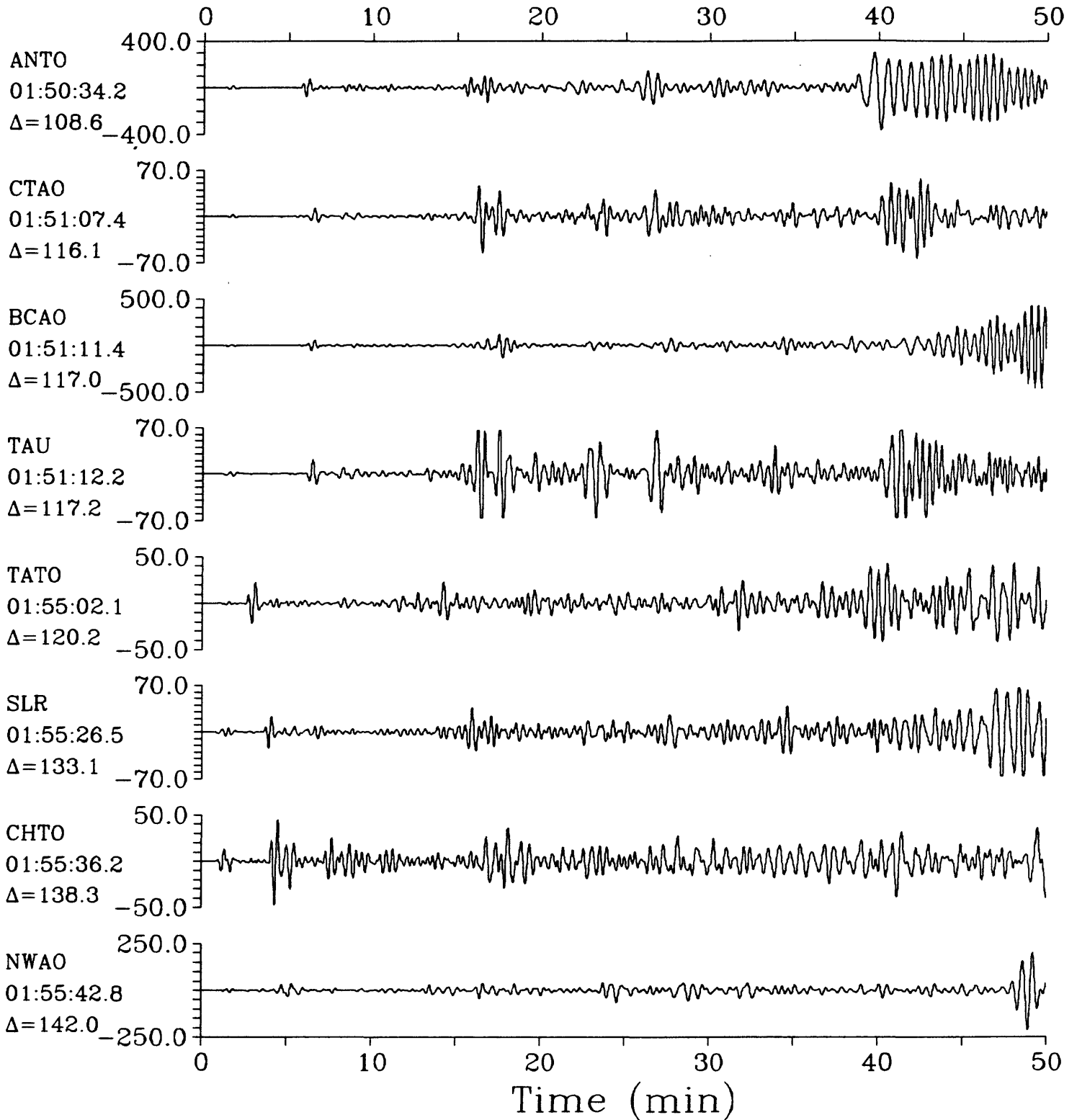
LPZ

Near Coast of Guerrero, Mexico $h=33.0$ $m_b=6.3$ $M_{sz}=7.5$ 

LPZ

21 September 1985 01:37:13.81

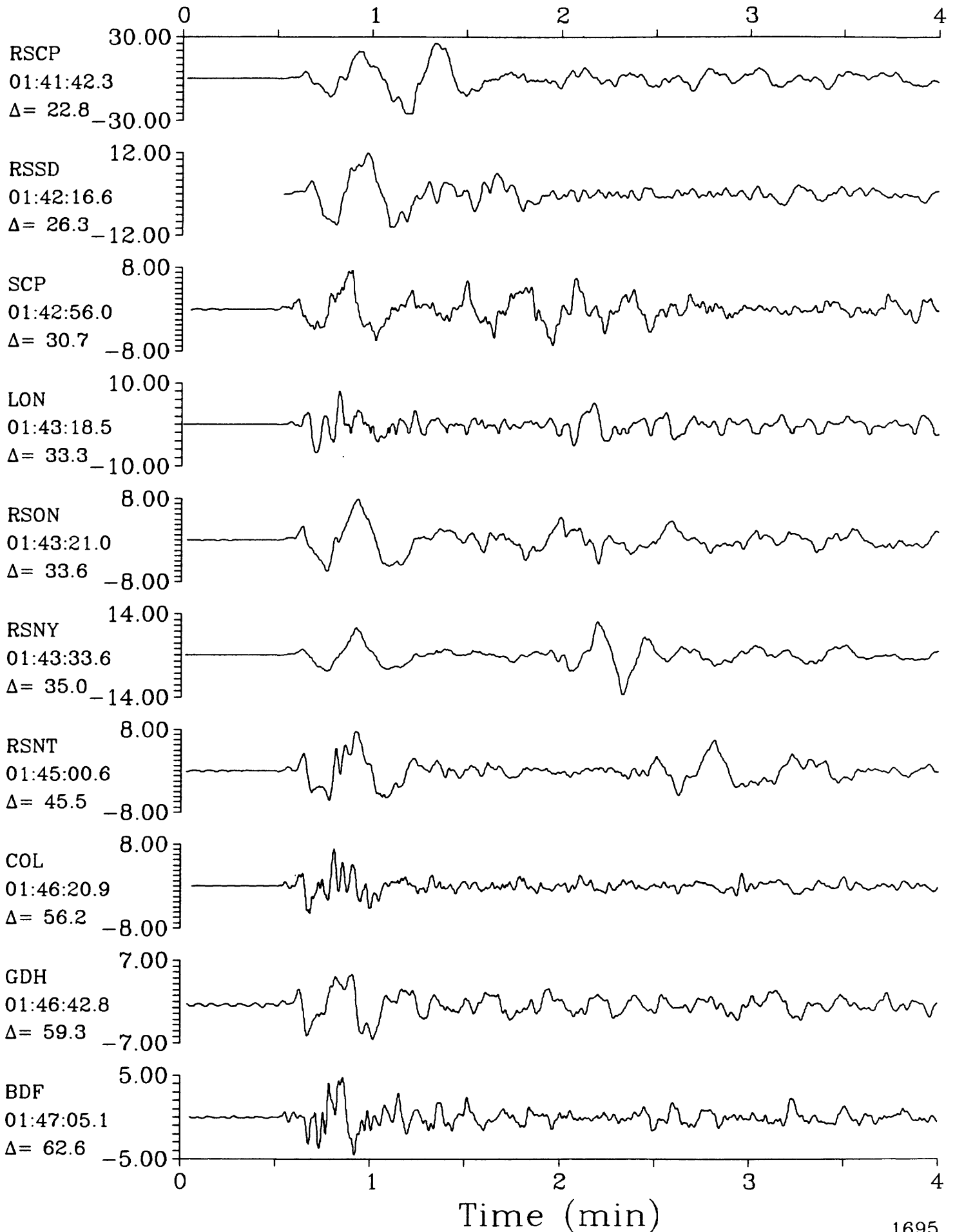
LPZ

Near Coast of Guerrero, Mexico $h=33.0$ m $m_b=6.3$ $M_{SZ}=7.5$ 

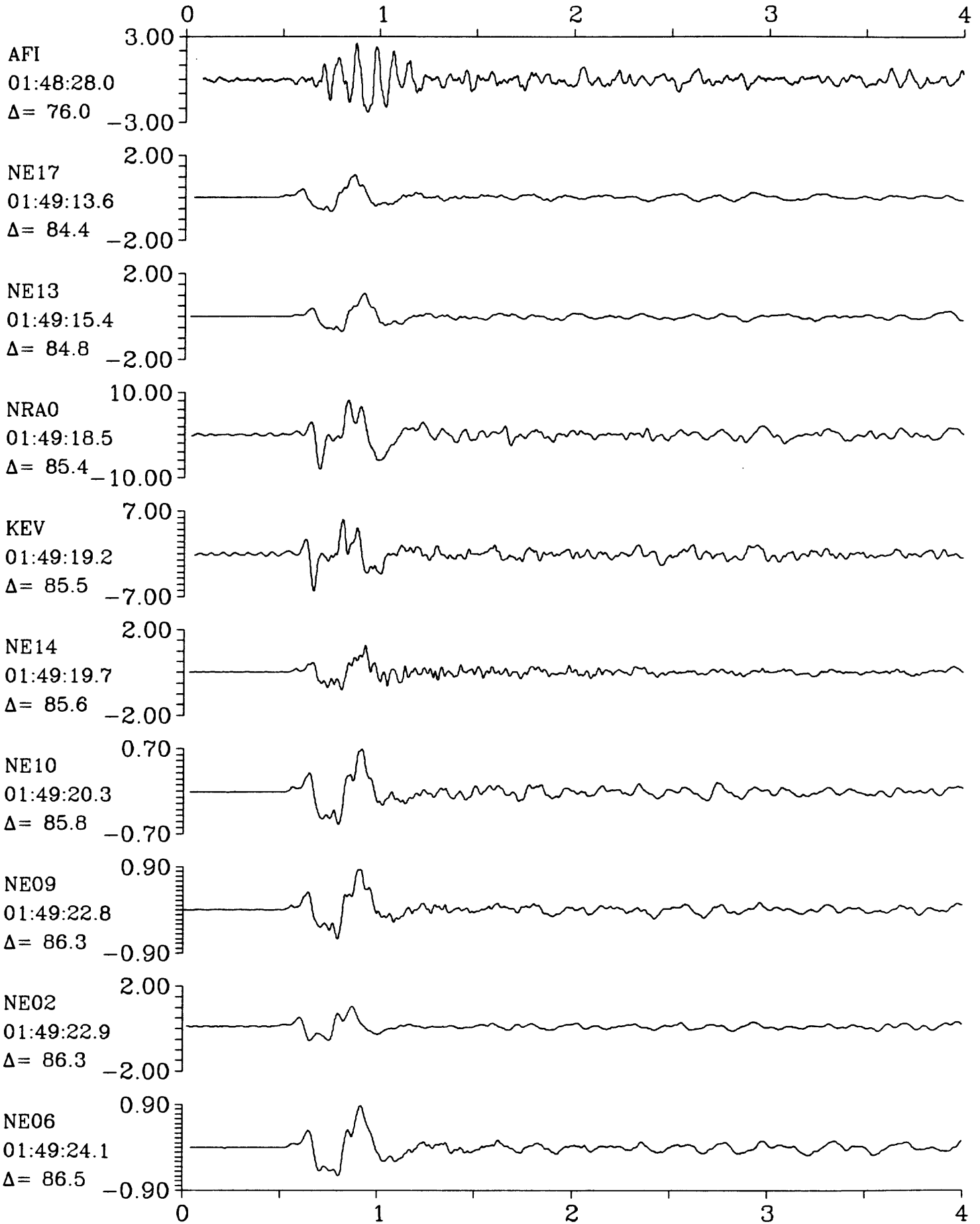
IPZ

21 September 1985 01:37:13.81

IPZ

Near Coast of Guerrero, Mexico $h=33.0$ $m_b=6.3$ $M_{SZ}=7.5$ 

Near Coast of Guerrero, Mexico $h=33.0$ $m_b=6.3$ $M_{sz}=7.5$

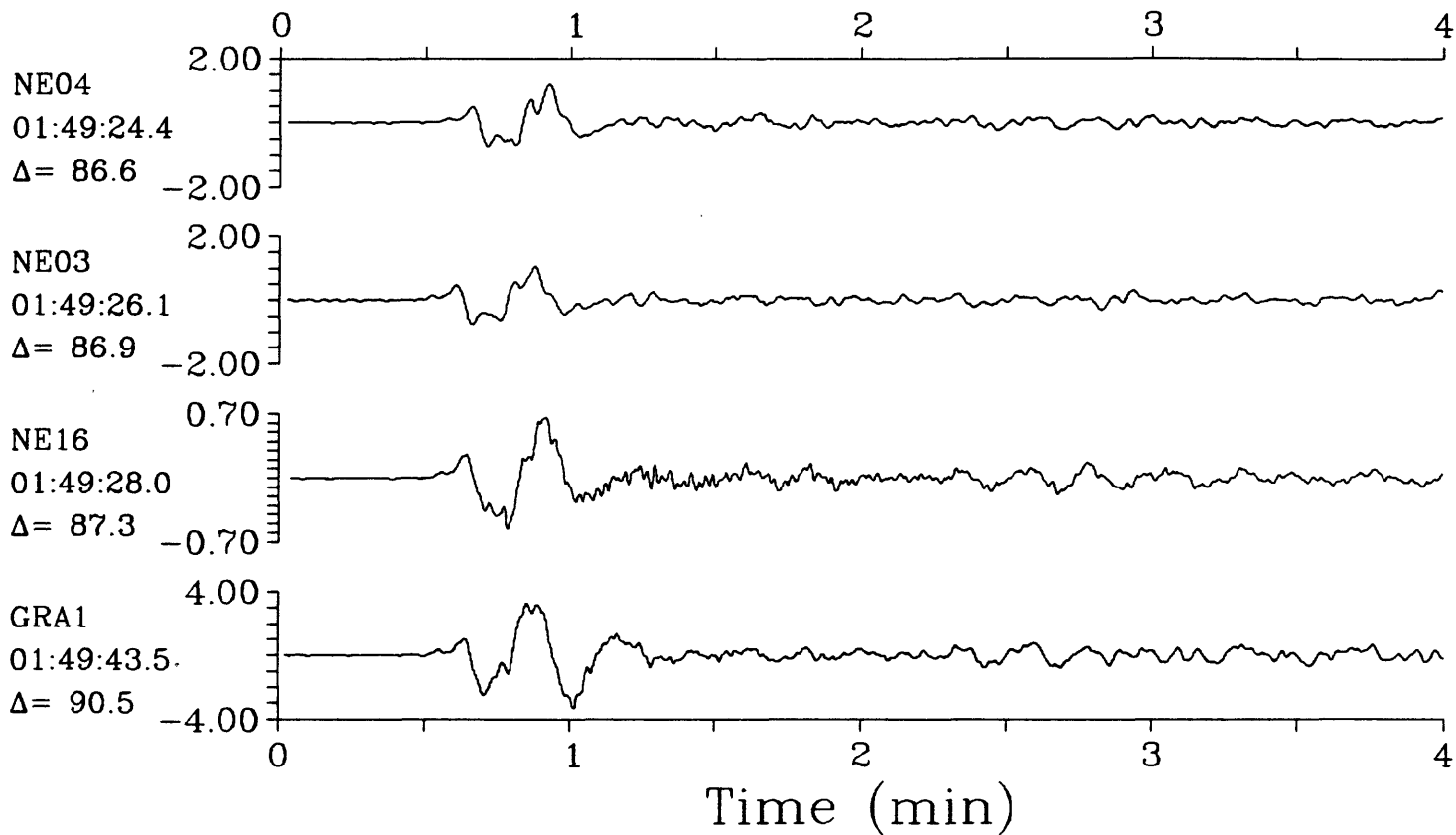


IPZ

21 September 1985 01:37:13.81

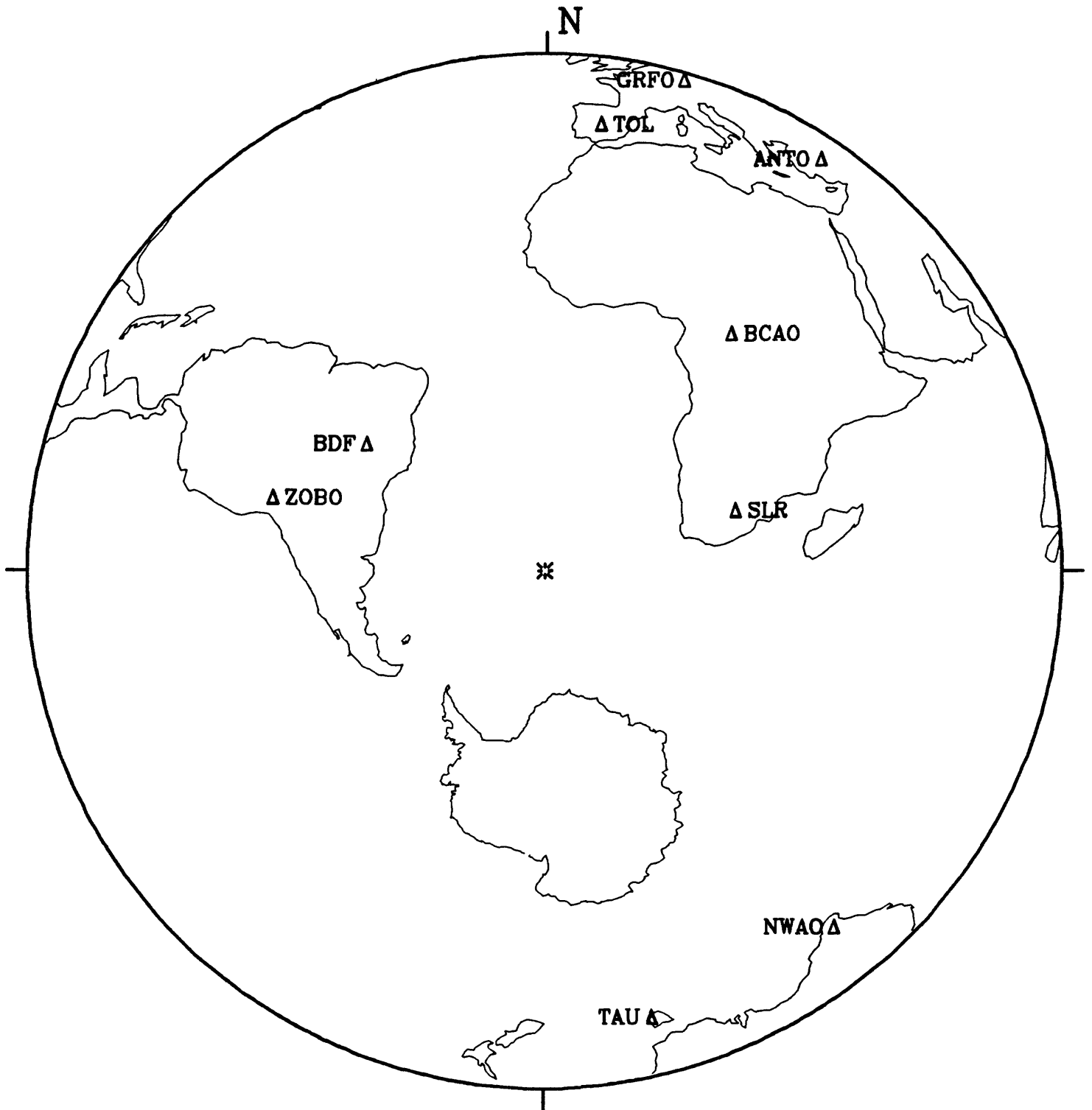
IPZ

Near Coast of Guerrero, Mexico $h=33.0$ $m_b=6.3$ $M_{sz}=7.5$



21 September 1985 10:54:44.58

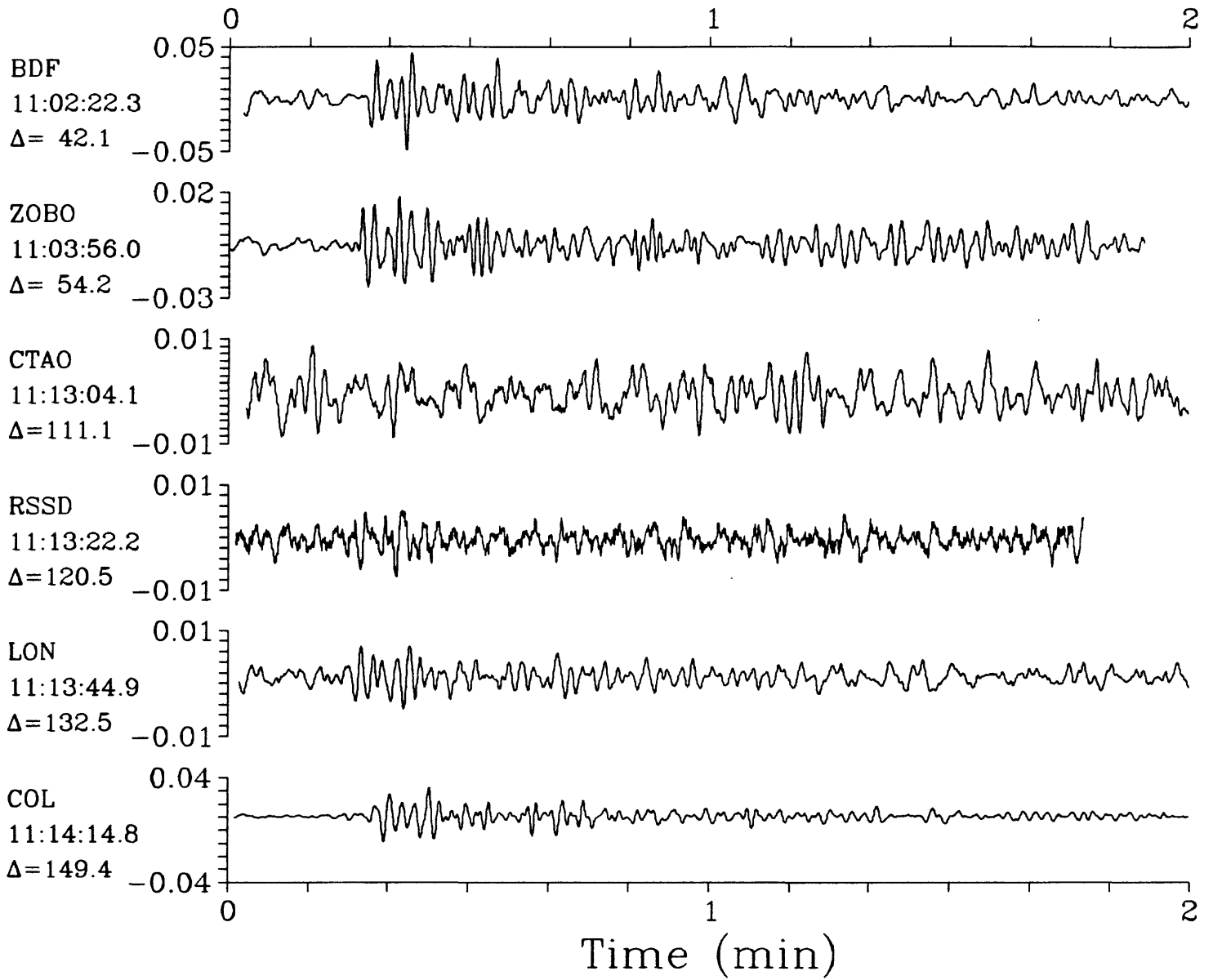
South Atlantic Ridge



SPZ

21 September 1985 10:54:44.58
South Atlantic Ridge $h=10.0$ $m_b=5.5$ $M_{SZ}=5.5$

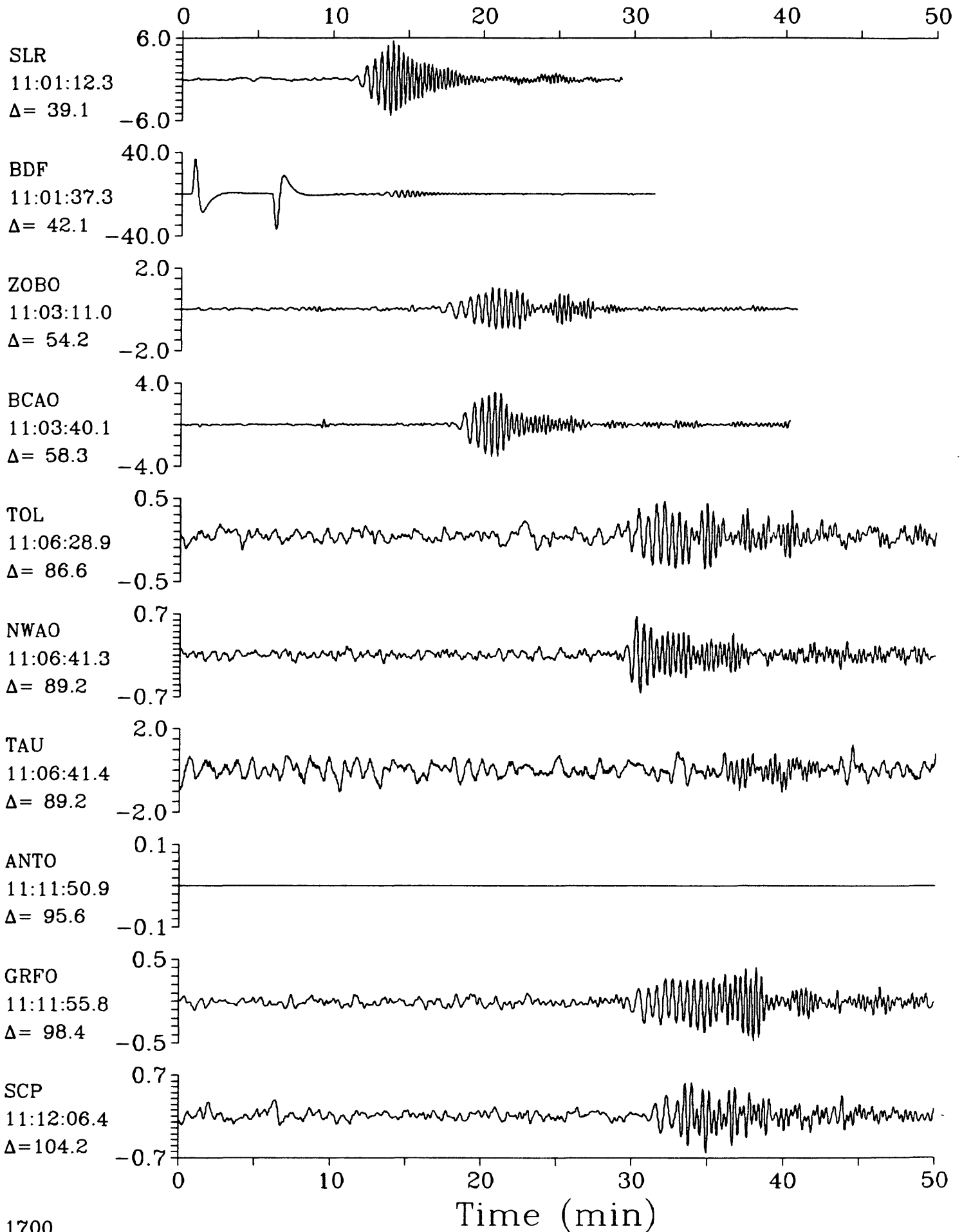
SPZ



LPZ

21 September 1985 10:54:44.58
South Atlantic Ridge $h=10.0$ $m_b=5.5$ $M_{sz}=5.5$

LPZ

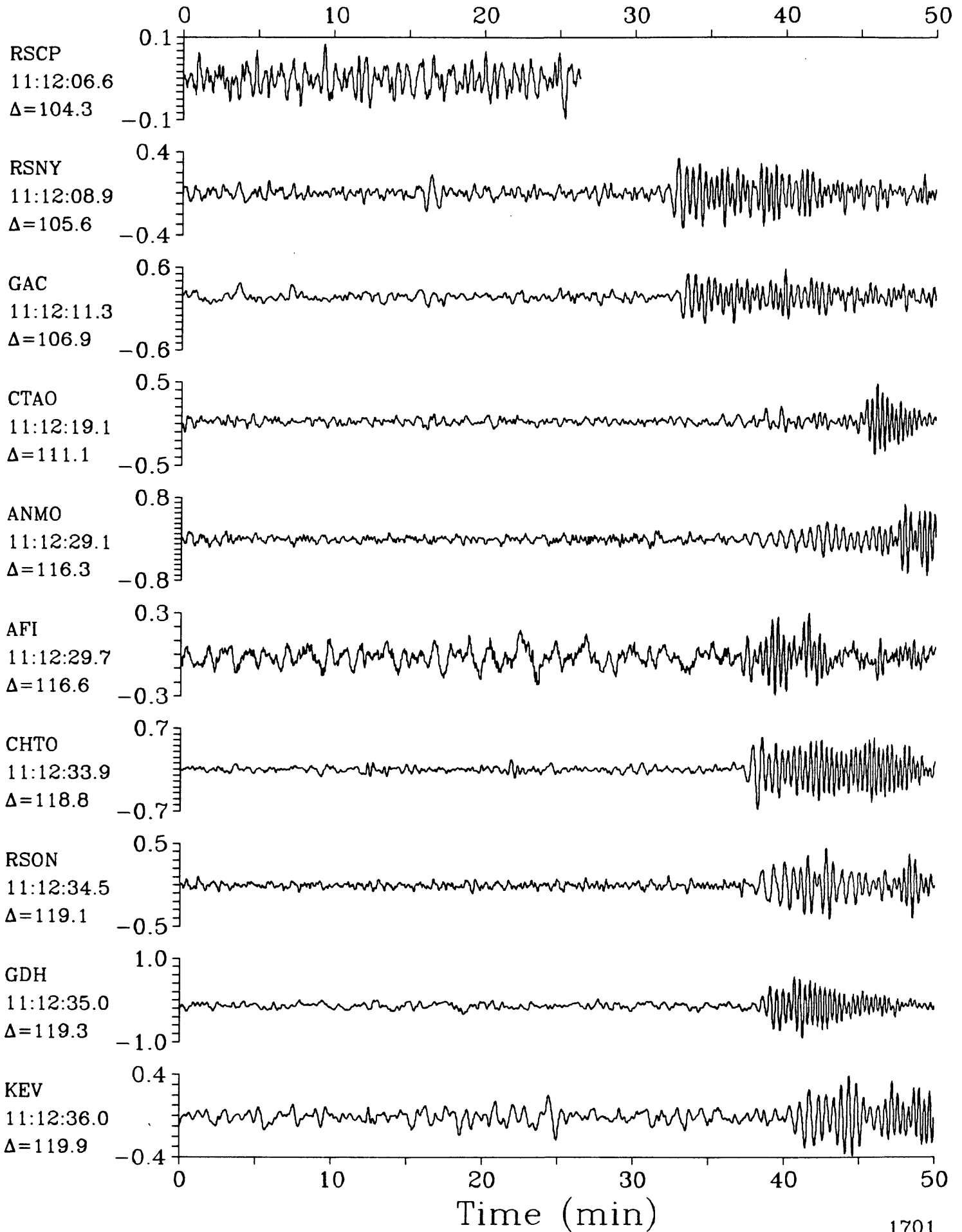


1700

LPZ

21 September 1985 10:54:44.58

LPZ

South Atlantic Ridge $h=10.0$ $m_b=5.5$ $M_{SZ}=5.5$ 

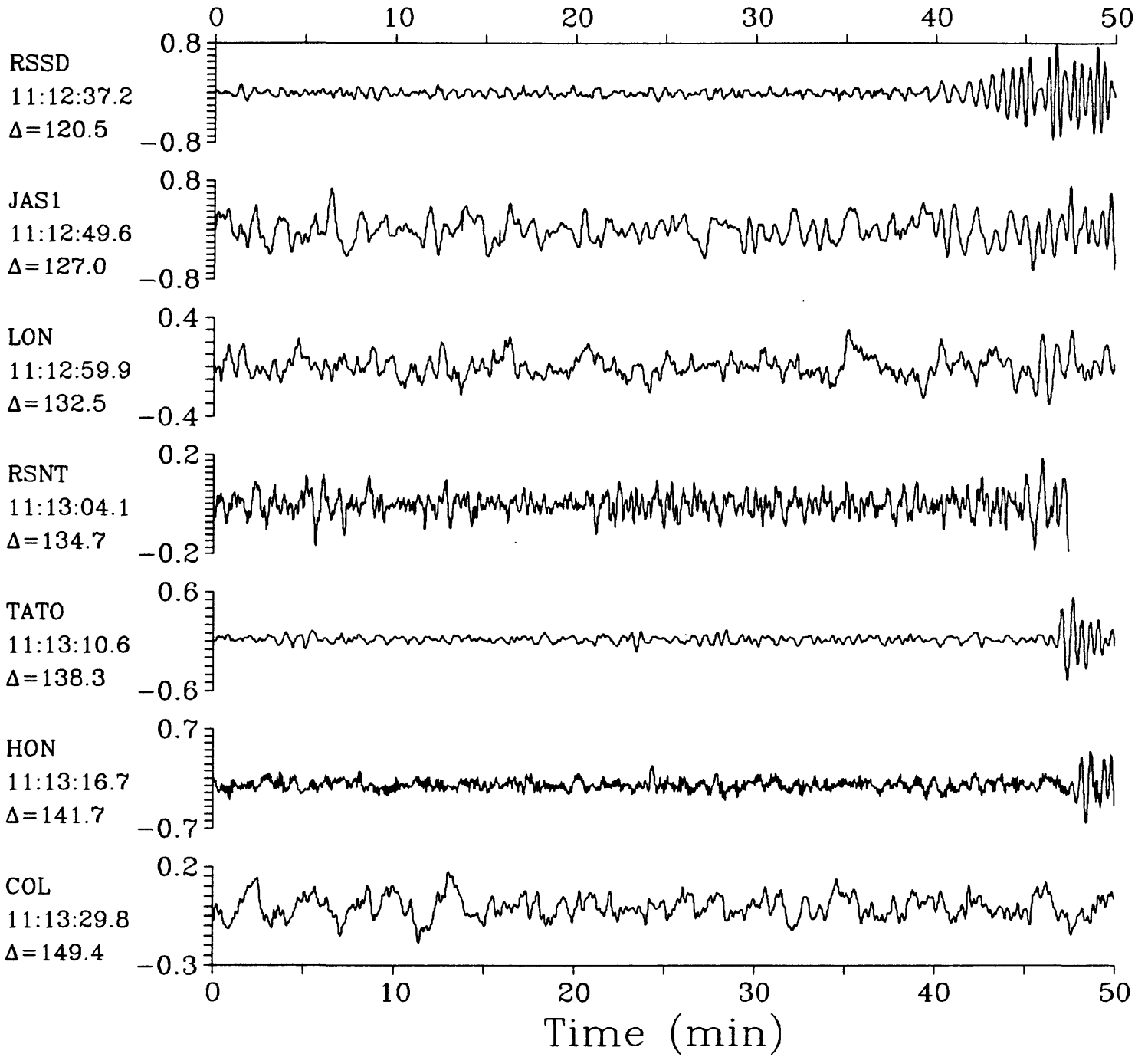
1701

LPZ

21 September 1985 10:54:44.58

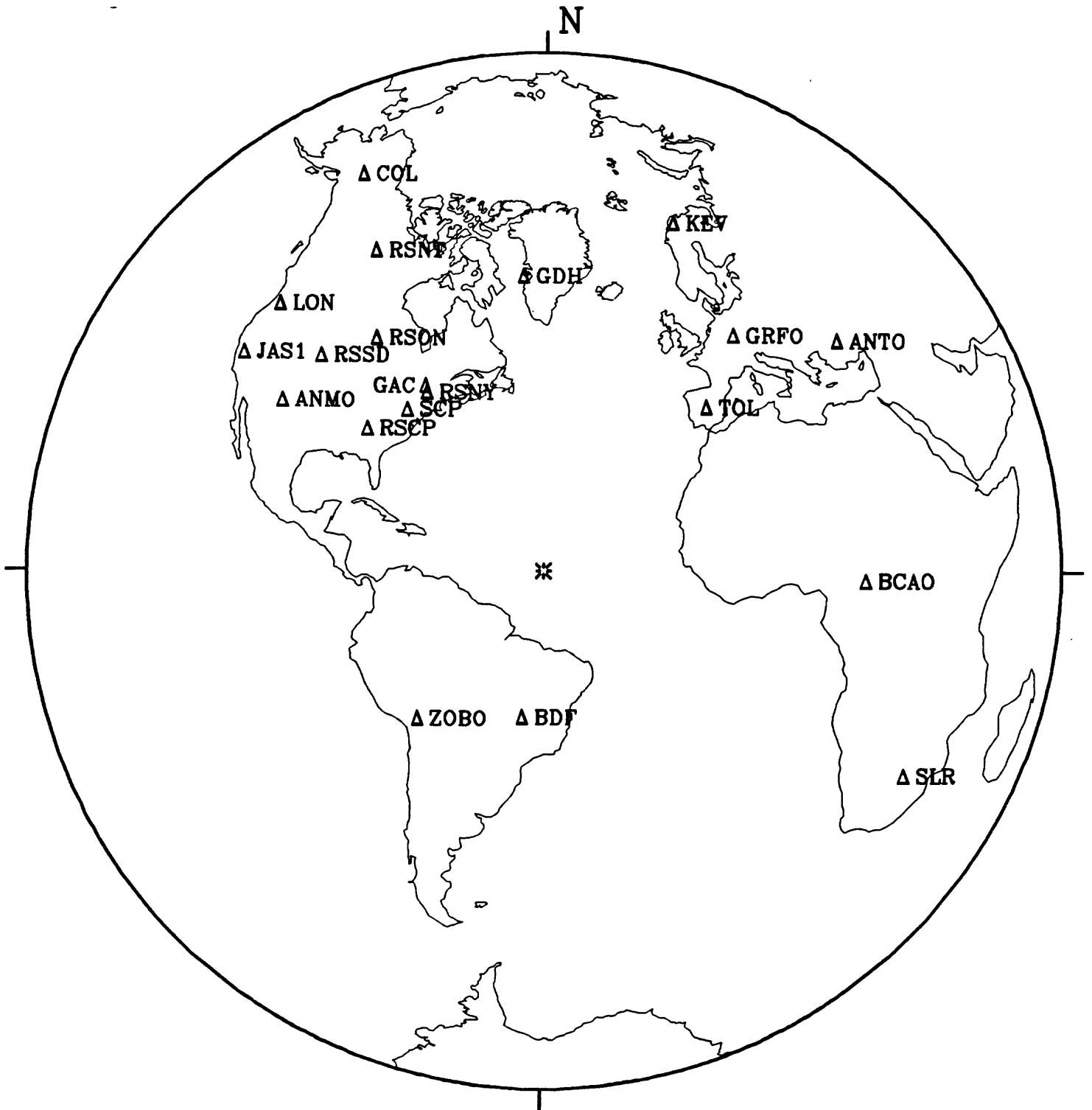
LPZ

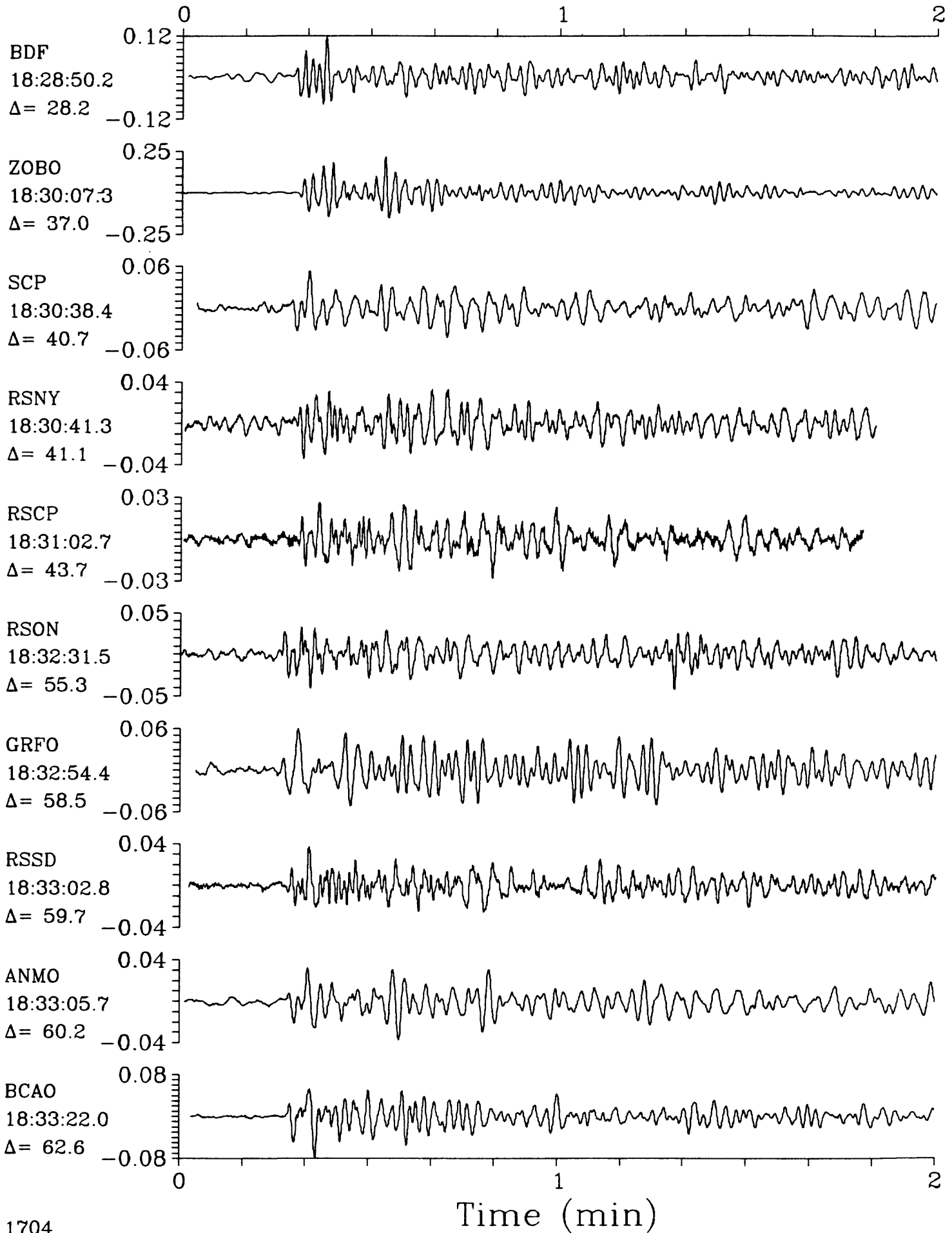
South Atlantic Ridge $h=10.0$ $m_b=5.5$ $M_{sz}=5.5$



22 September 1985 18:23:12.20

North Atlantic Ridge



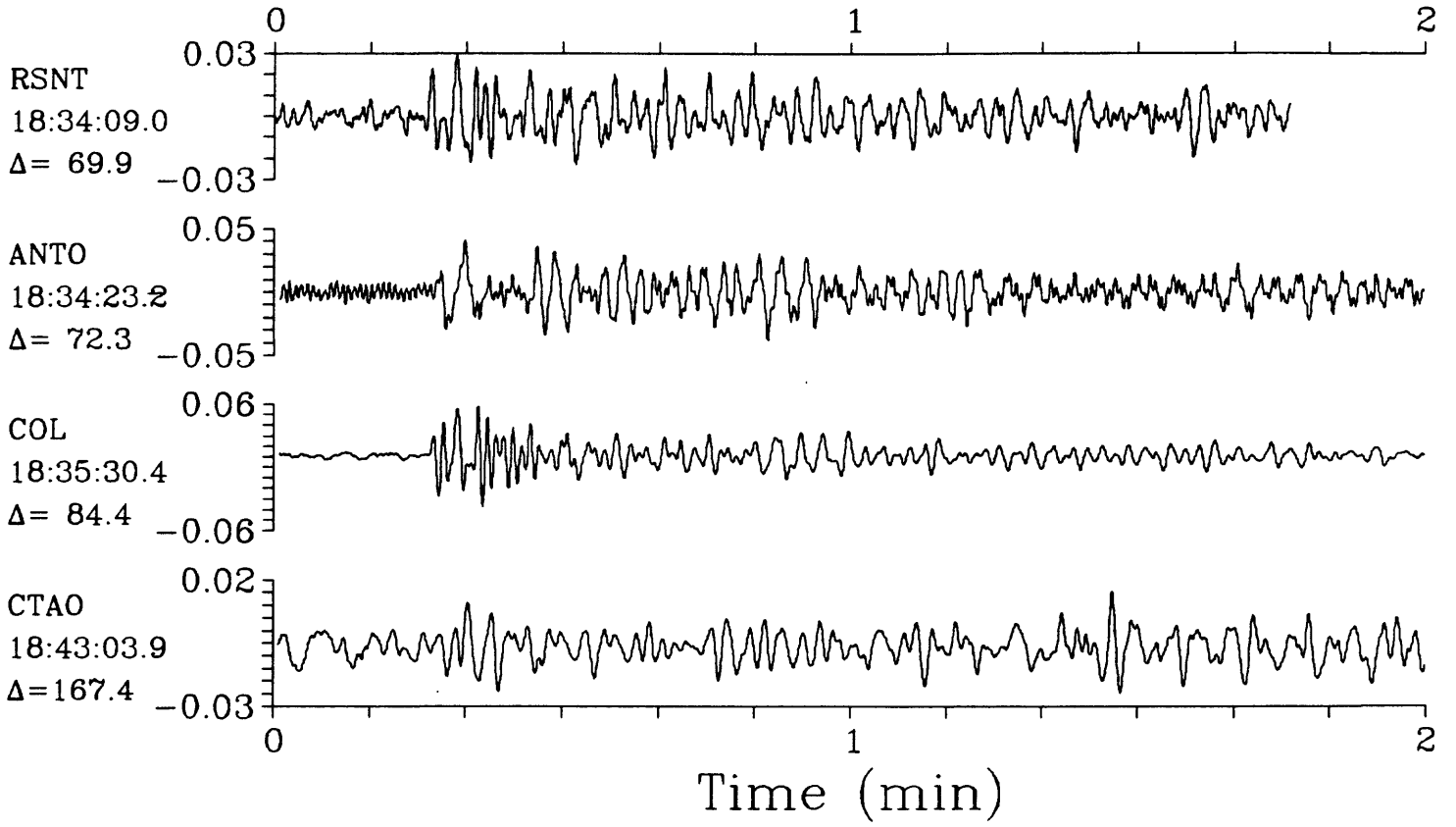
North Atlantic Ridge $h=10.0$ $m_b=5.7$ $M_{SZ}=5.5$ 

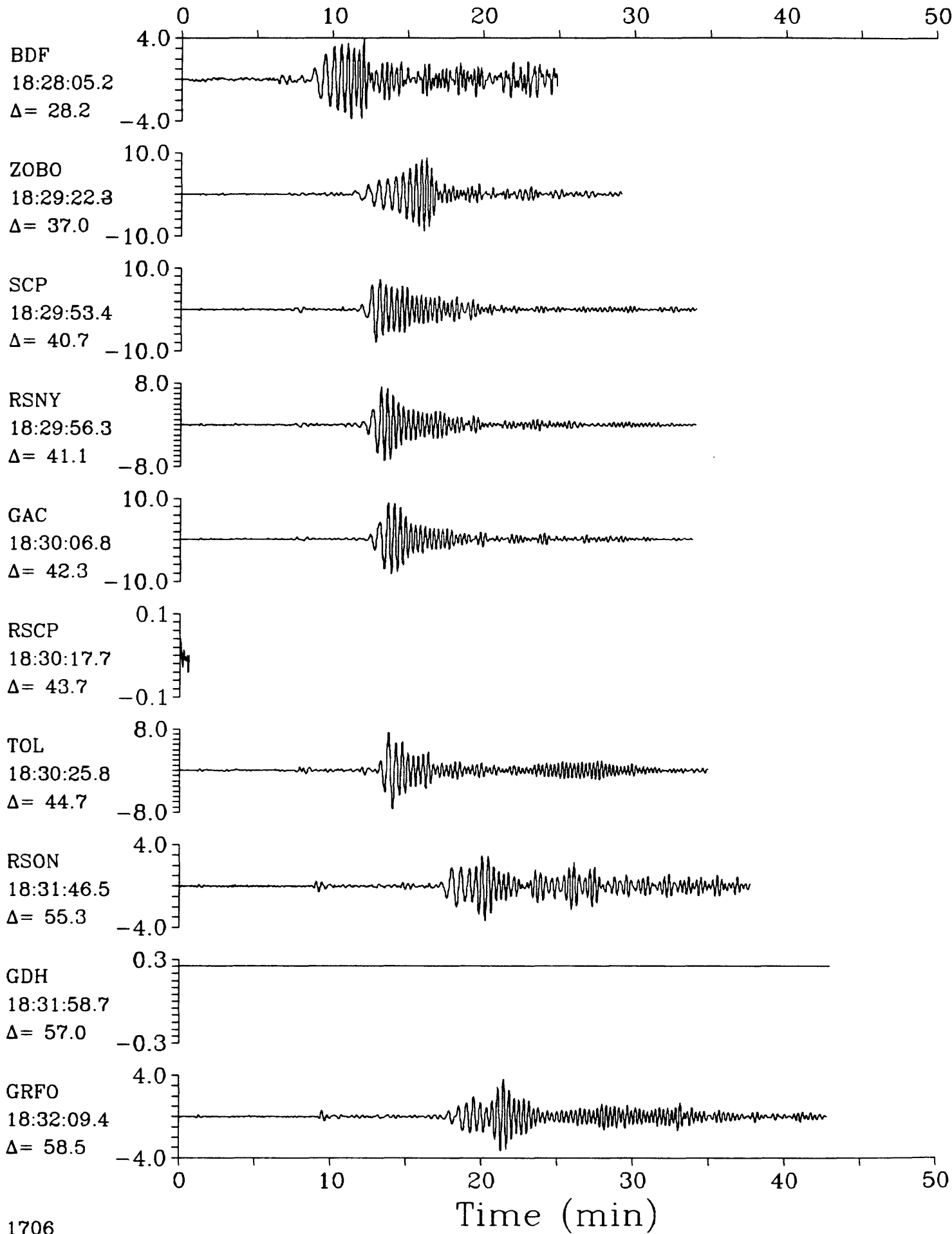
SPZ

22 September 1985 18:23:12.20

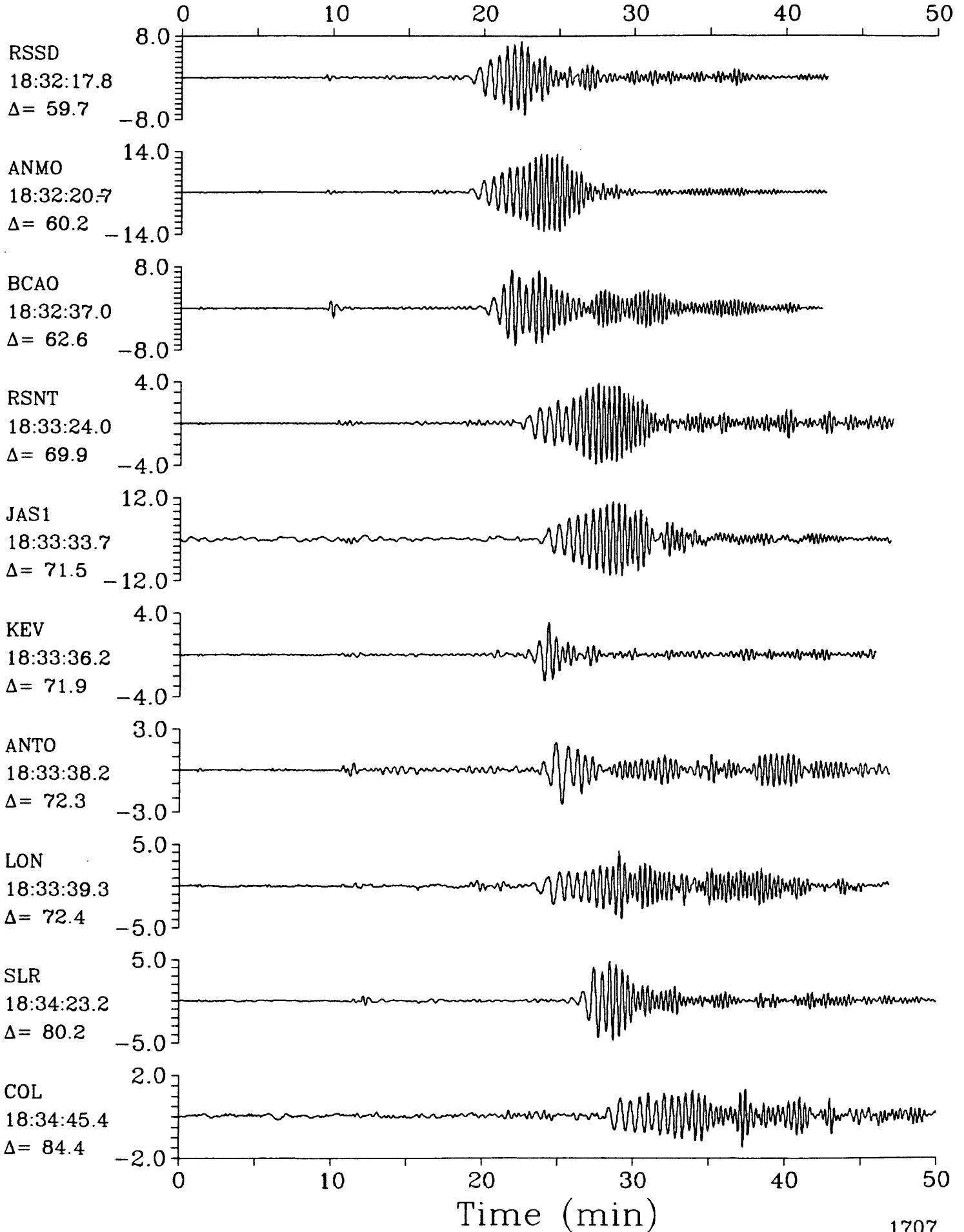
SPZ

North Atlantic Ridge $h=10.0$ $m_b=5.7$ $M_{sz}=5.5$



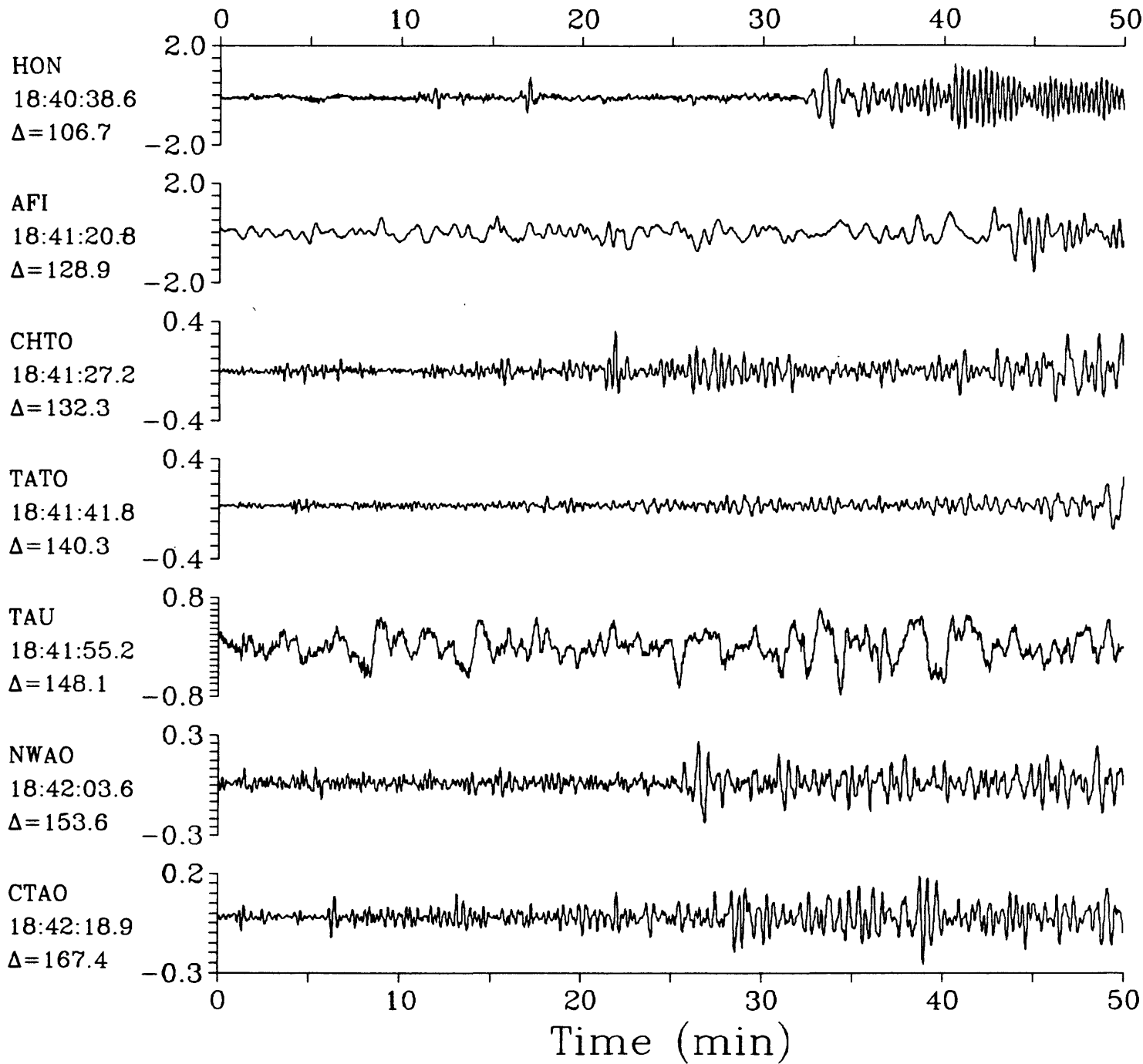


North Atlantic Ridge $h=10.0$ $m_b=5.7$ $M_{sz}=5.5$



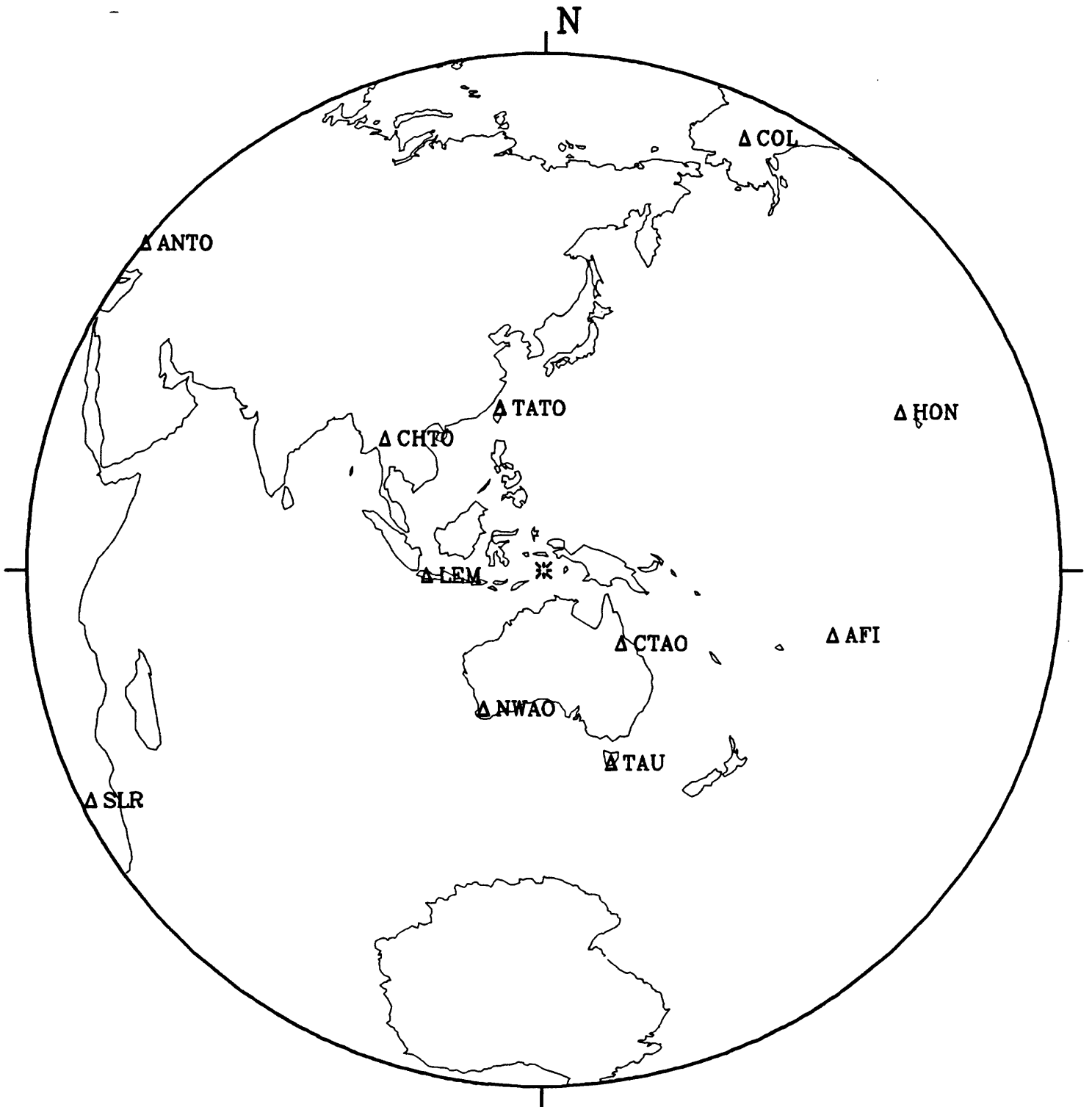
Time (min)

North Atlantic Ridge $h=10.0$ $m_b=5.7$ $M_{sz}=5.5$

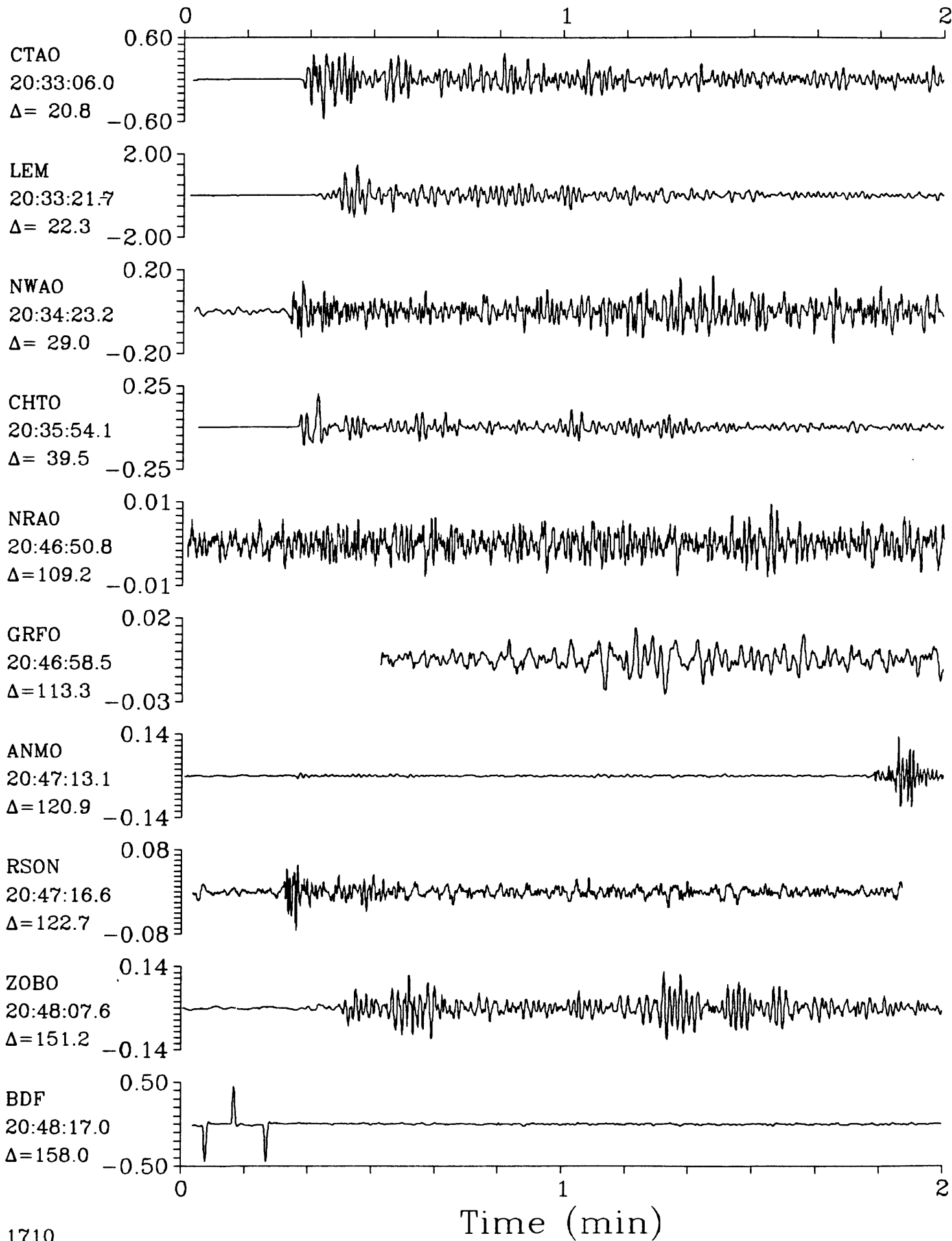


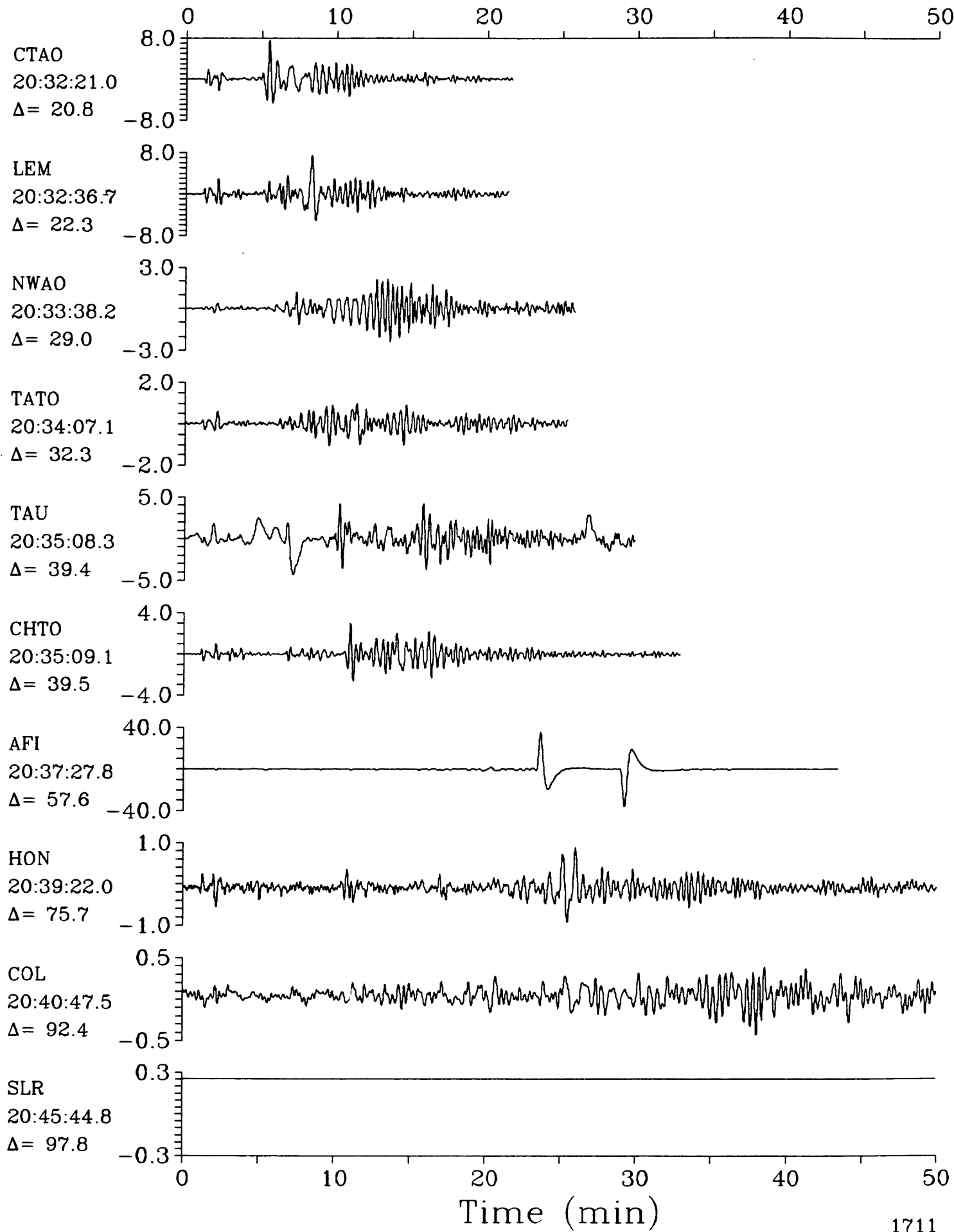
24 September 1985 20:28:51.81

Banda Sea



Banda Sea $h=140.4$ $m_b=5.7$

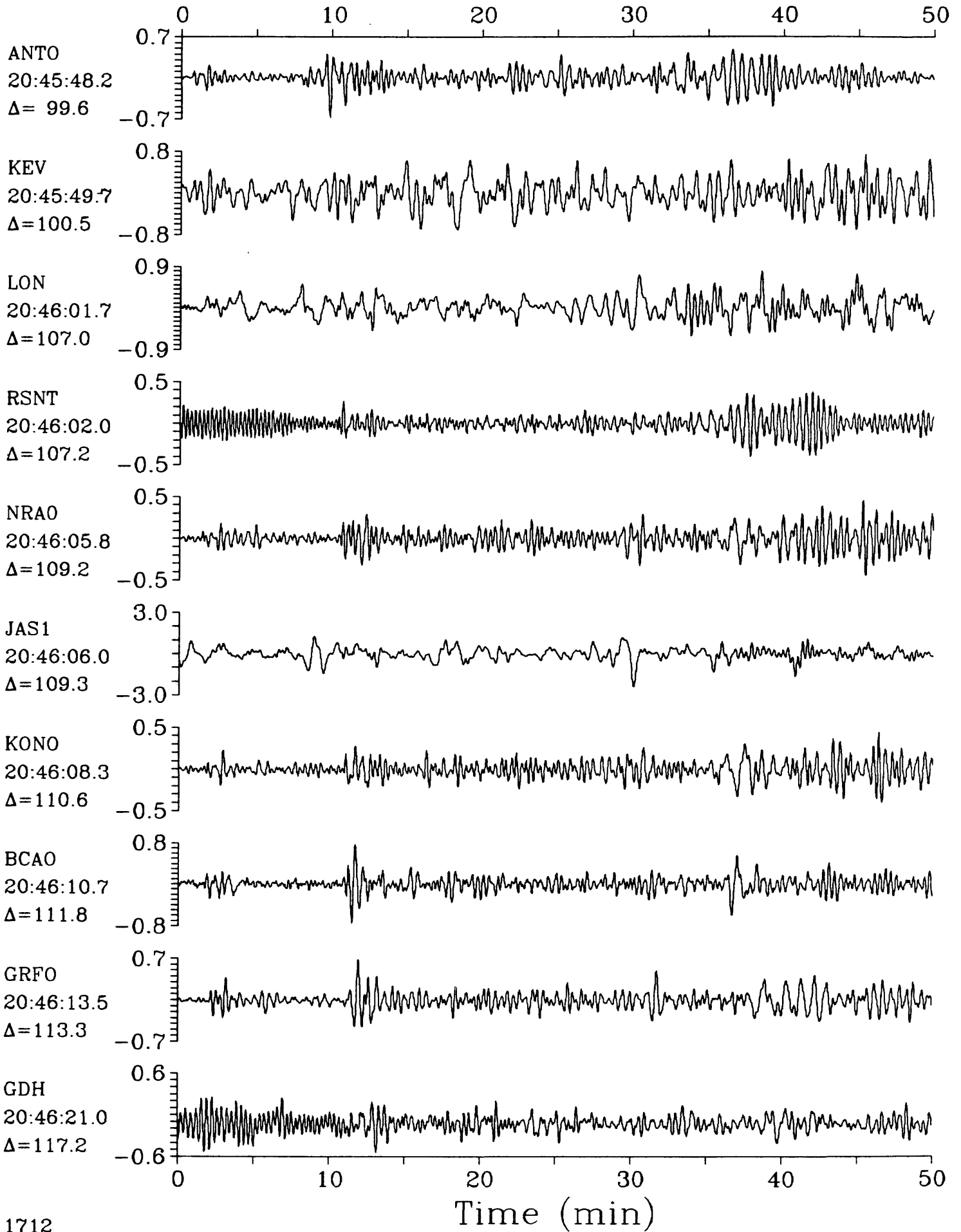




LPZ

24 September 1985 20:28:51.81
Banda Sea $h=140.4$ $m_b=5.7$

LPZ



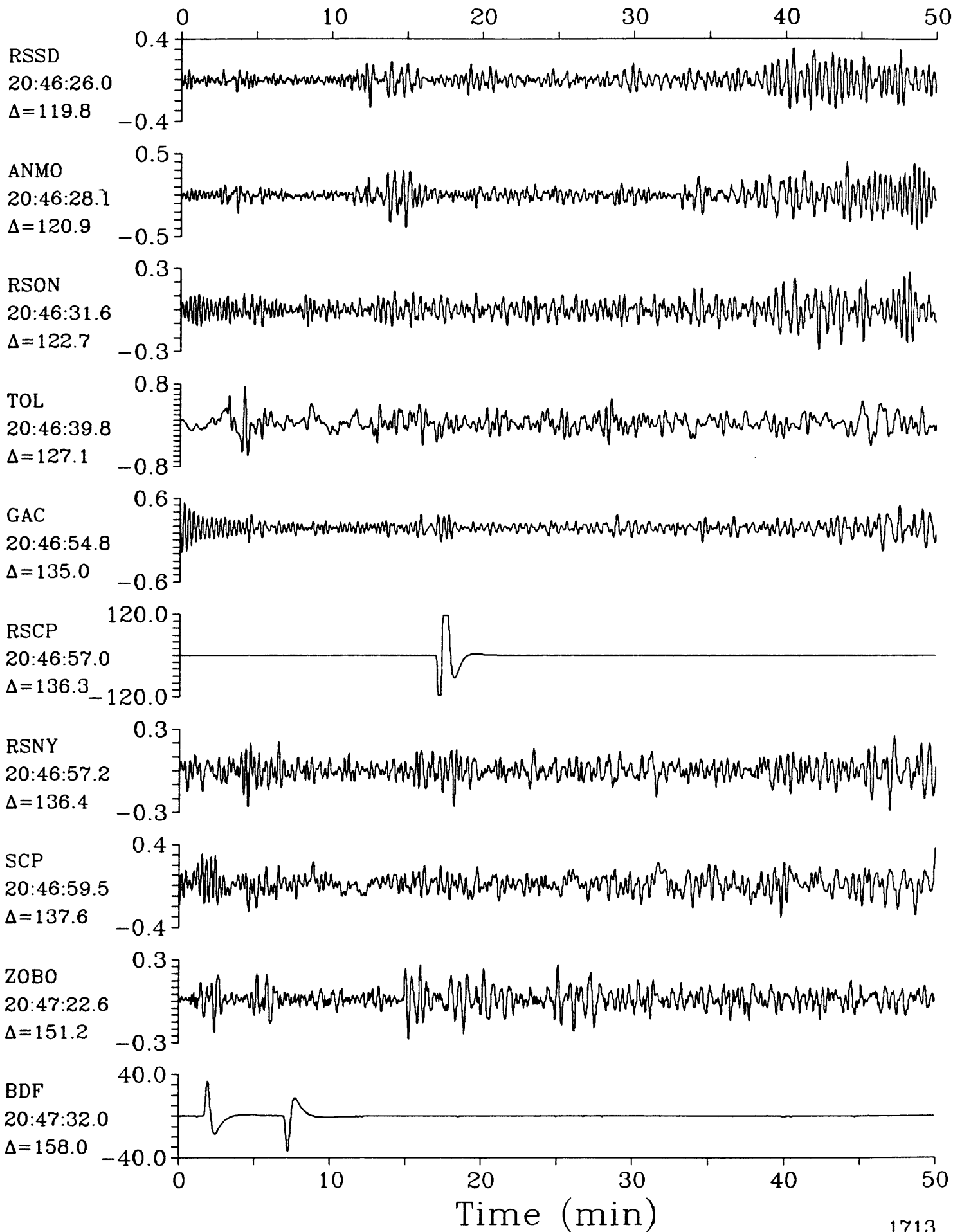
1712

LPZ

24 September 1985 20:28:51.81

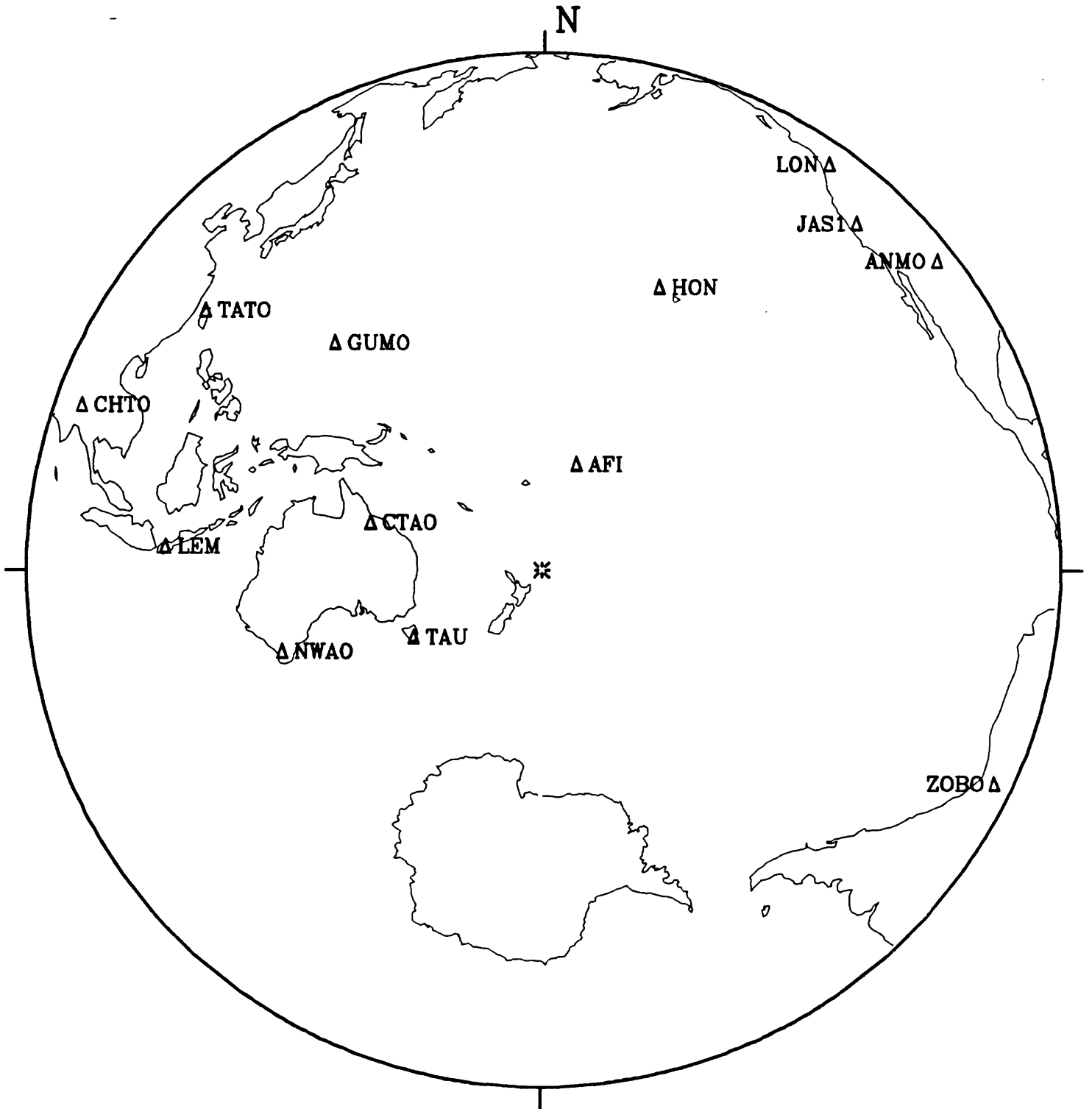
LPZ

Banda Sea $h=140.4$ $m_b=5.7$

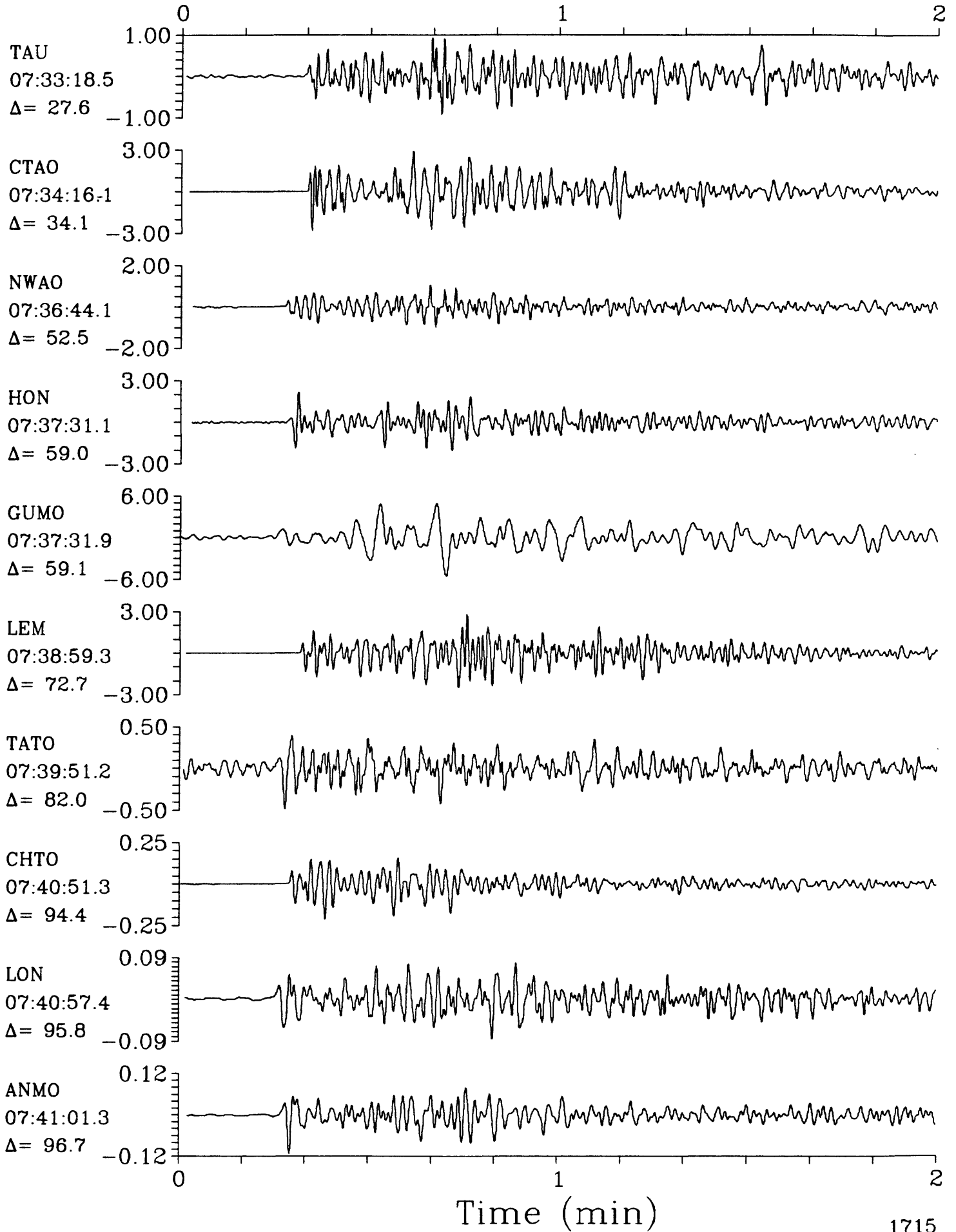


26 September 1985 07:27:48.98

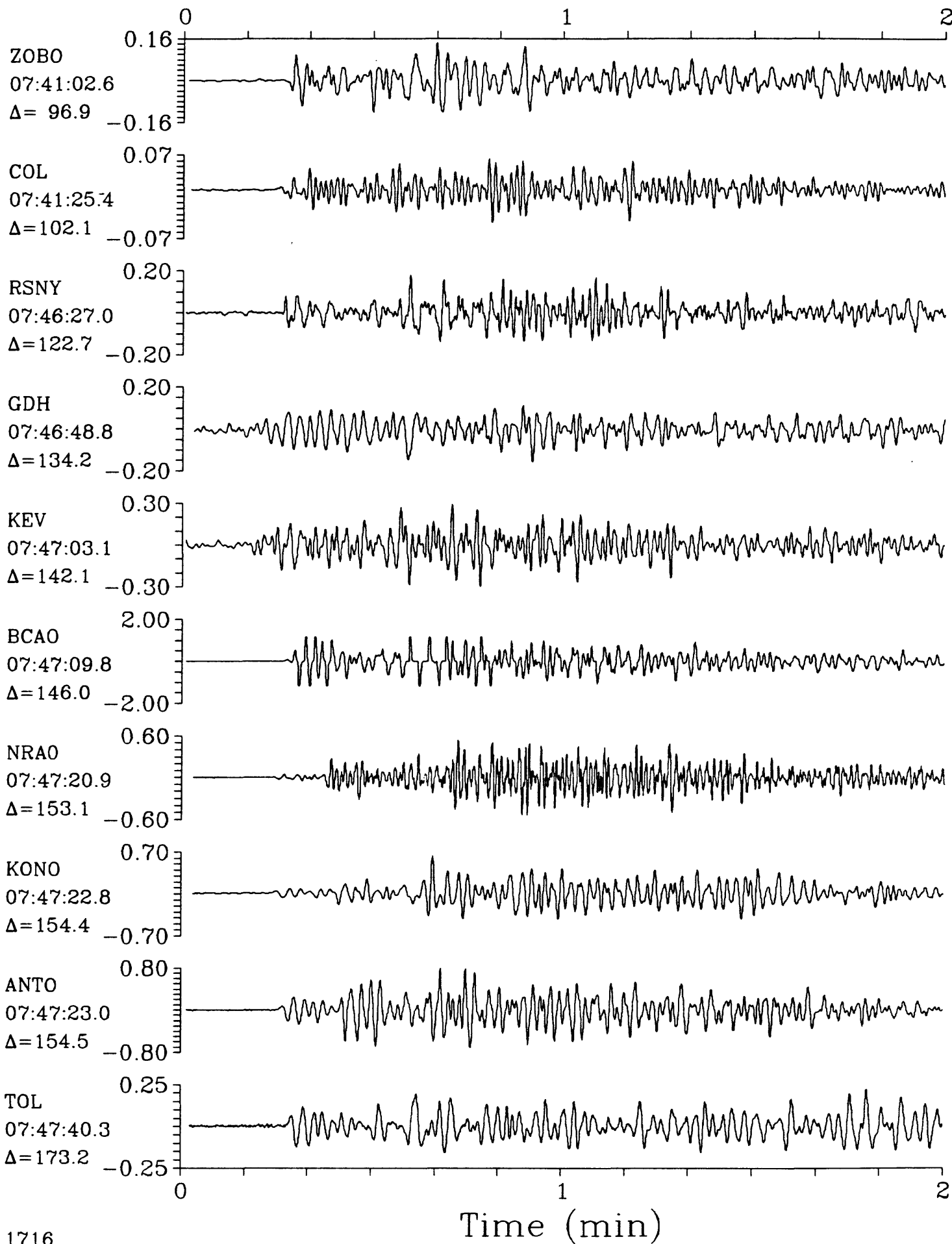
South of Kermadec Islands



South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$



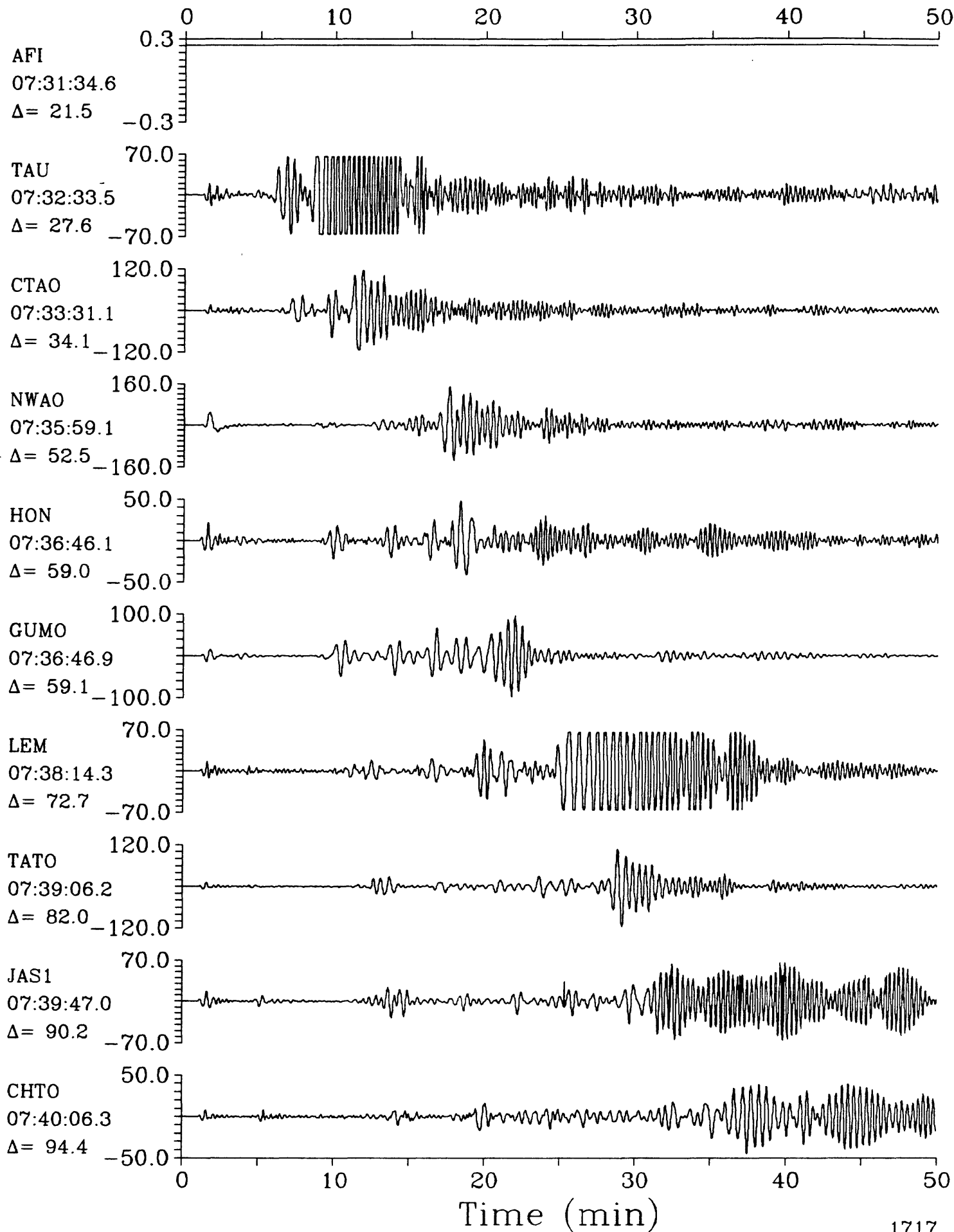
Time (min)

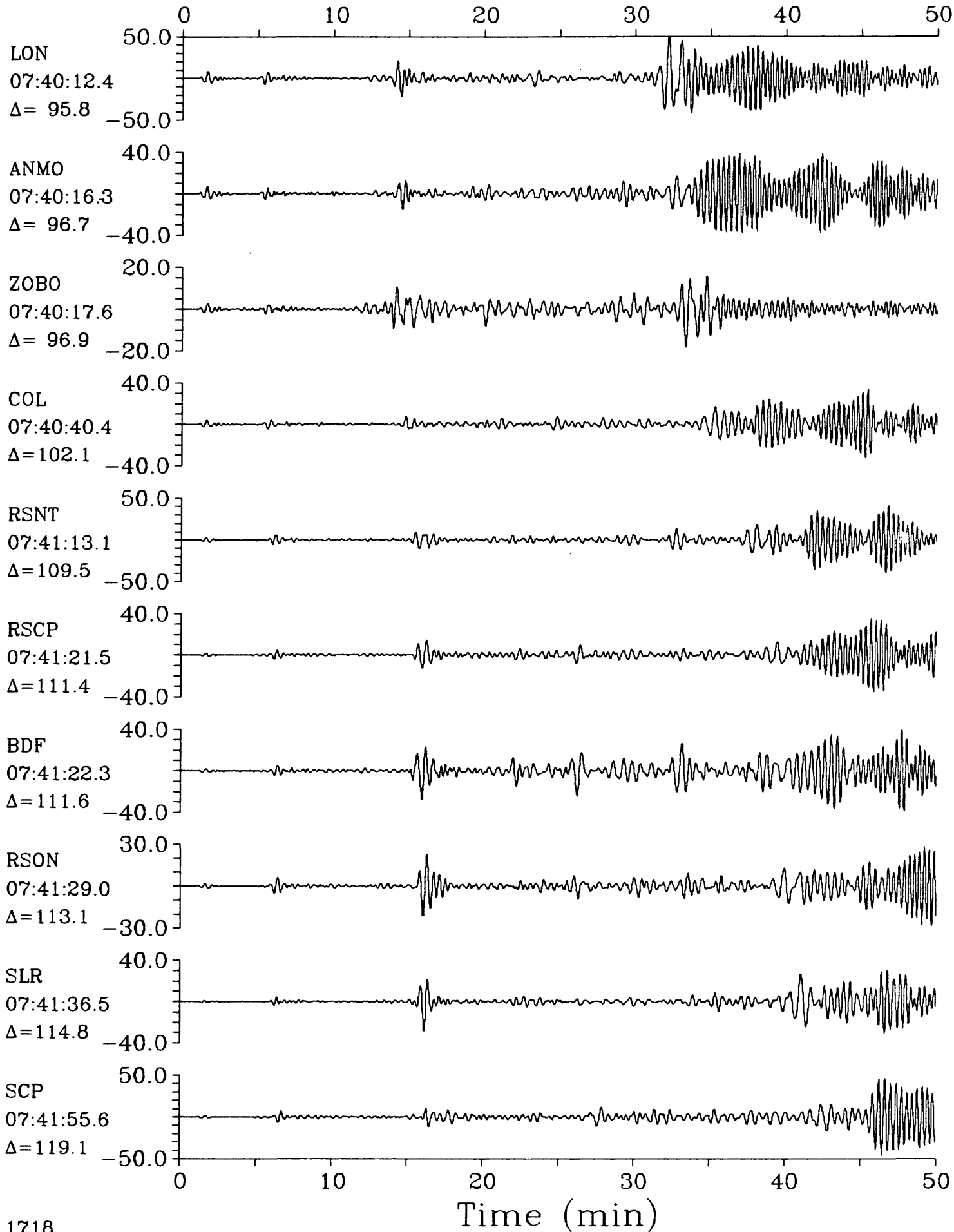
South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$ 

LPZ

26 September 1985 07:27:48.98

LPZ

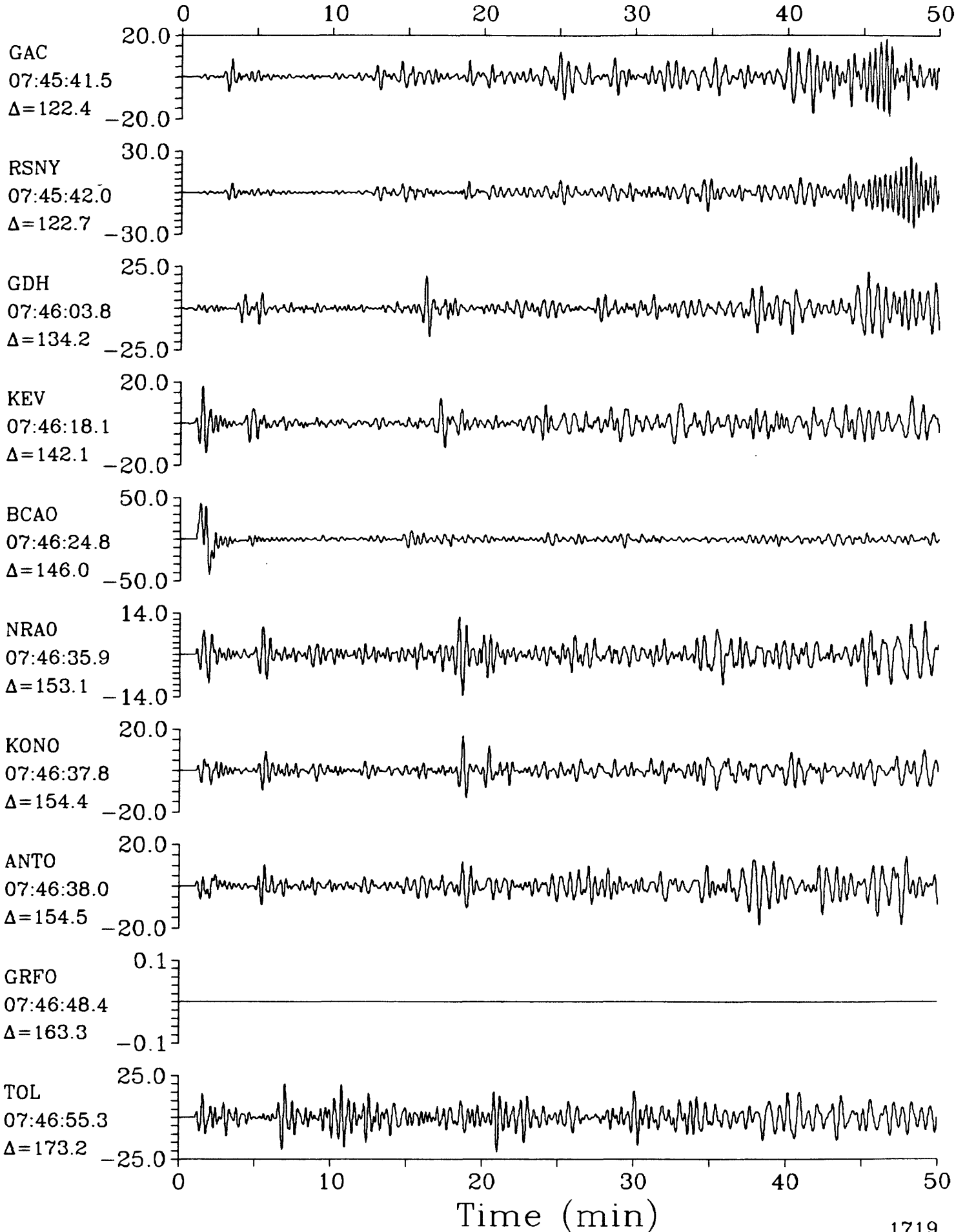
South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{SZ}=6.9$ 

South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$ 

LPZ

26 September 1985 07:27:48.98

LPZ

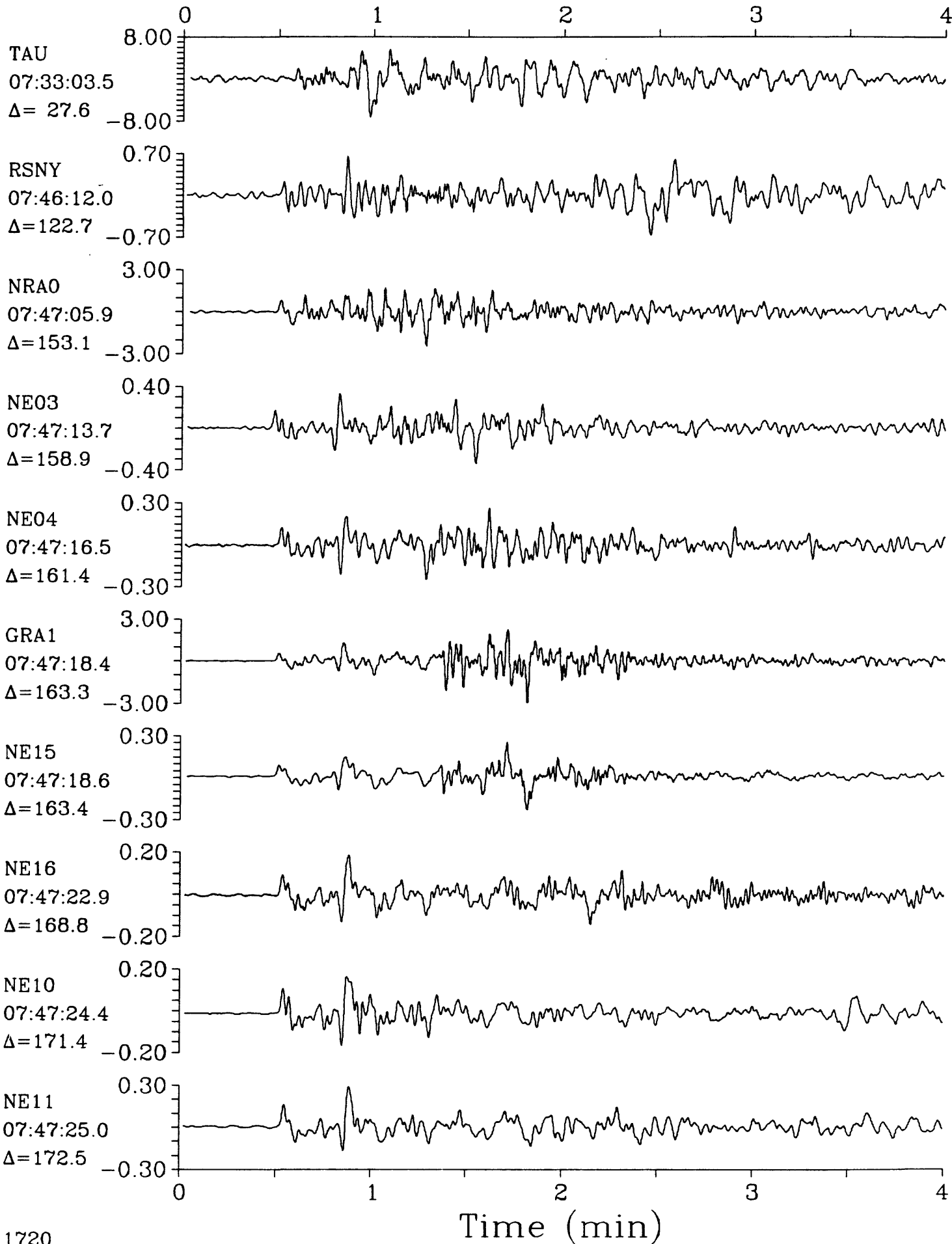
South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$ 

IPZ

26 September 1985 07:27:48.98

IPZ

South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$

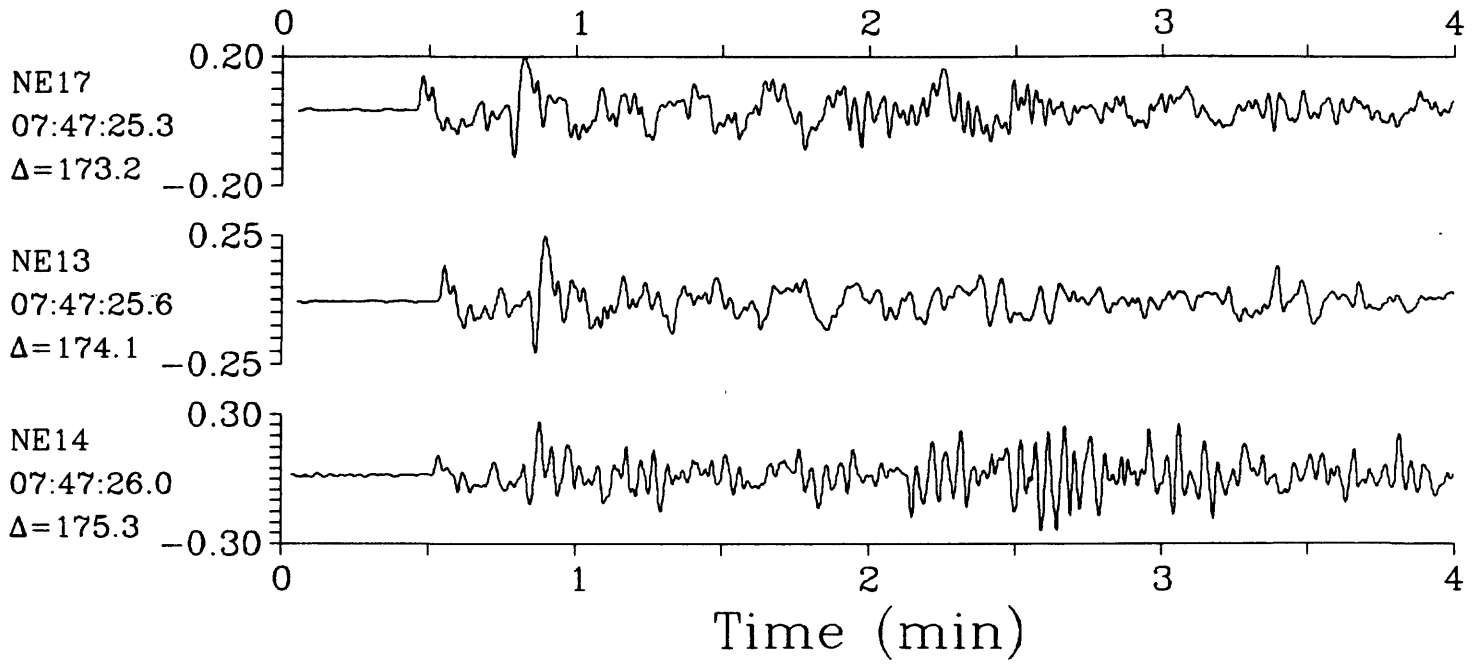


IPZ

26 September 1985 07:27:48.98

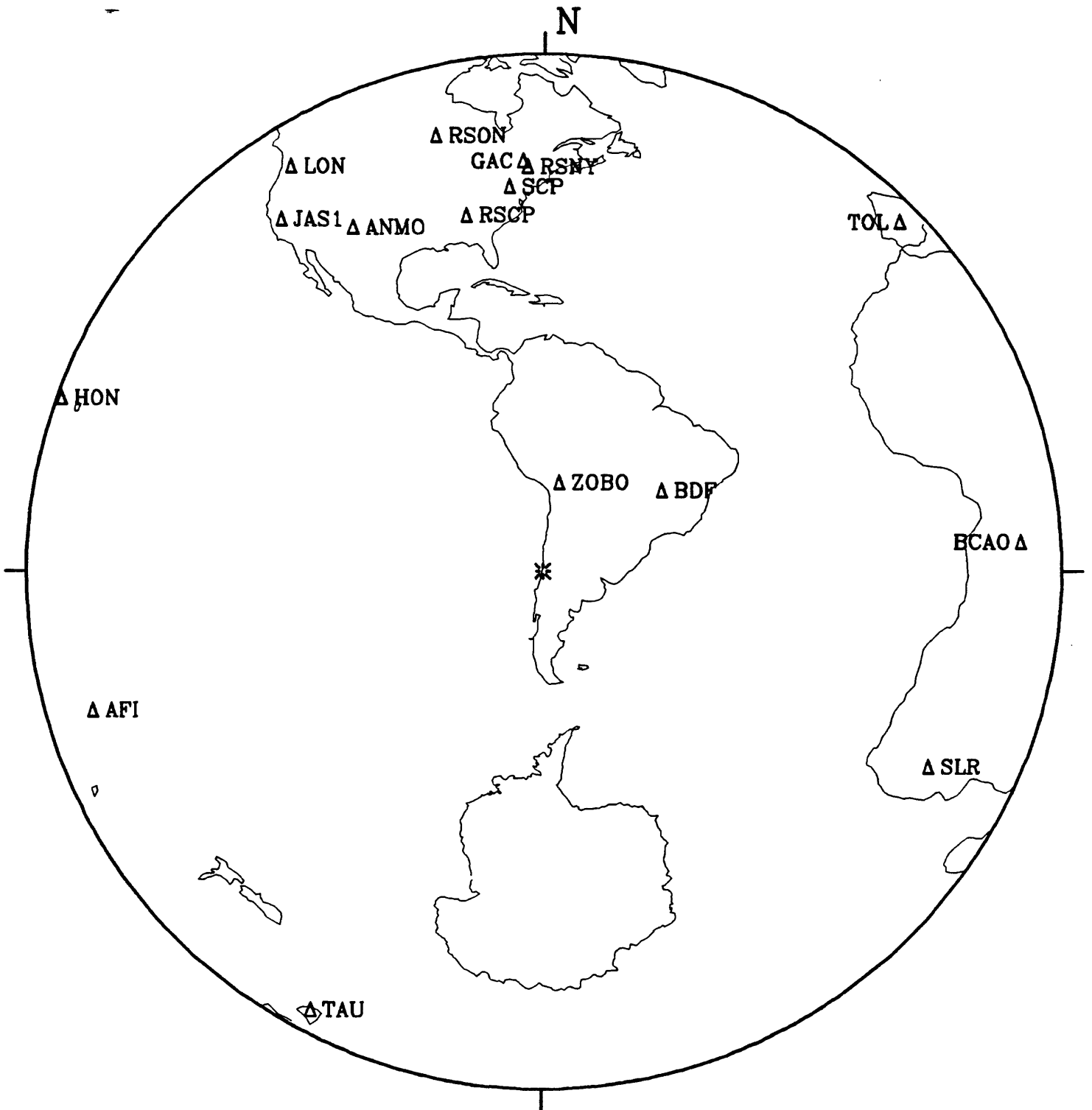
IPZ

South of Kermadec Islands $h=33.0$ $m_b=6.5$ $M_{sz}=6.9$



26 September 1985 08:33:27.17

Near Coast of Central Chile

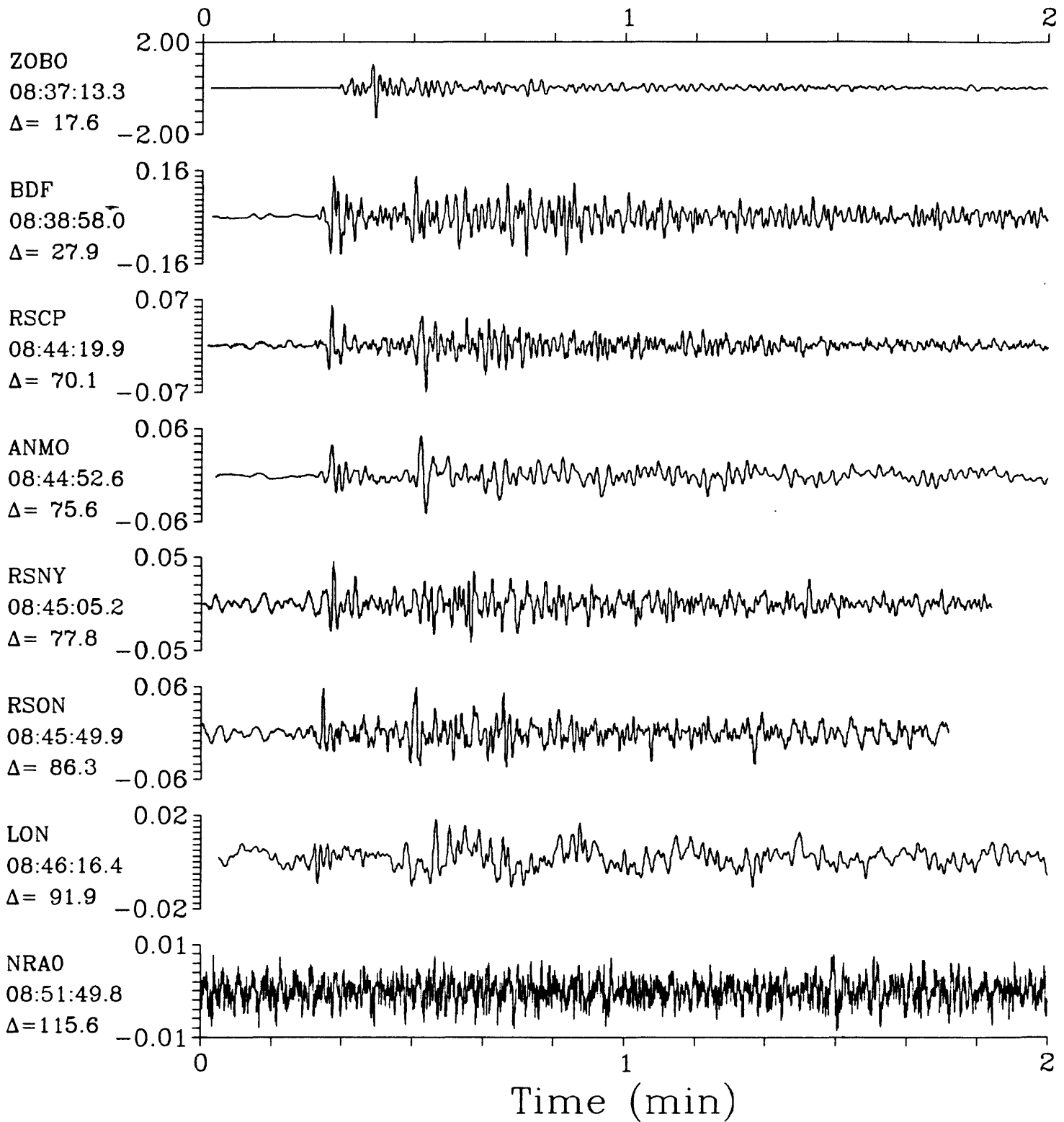


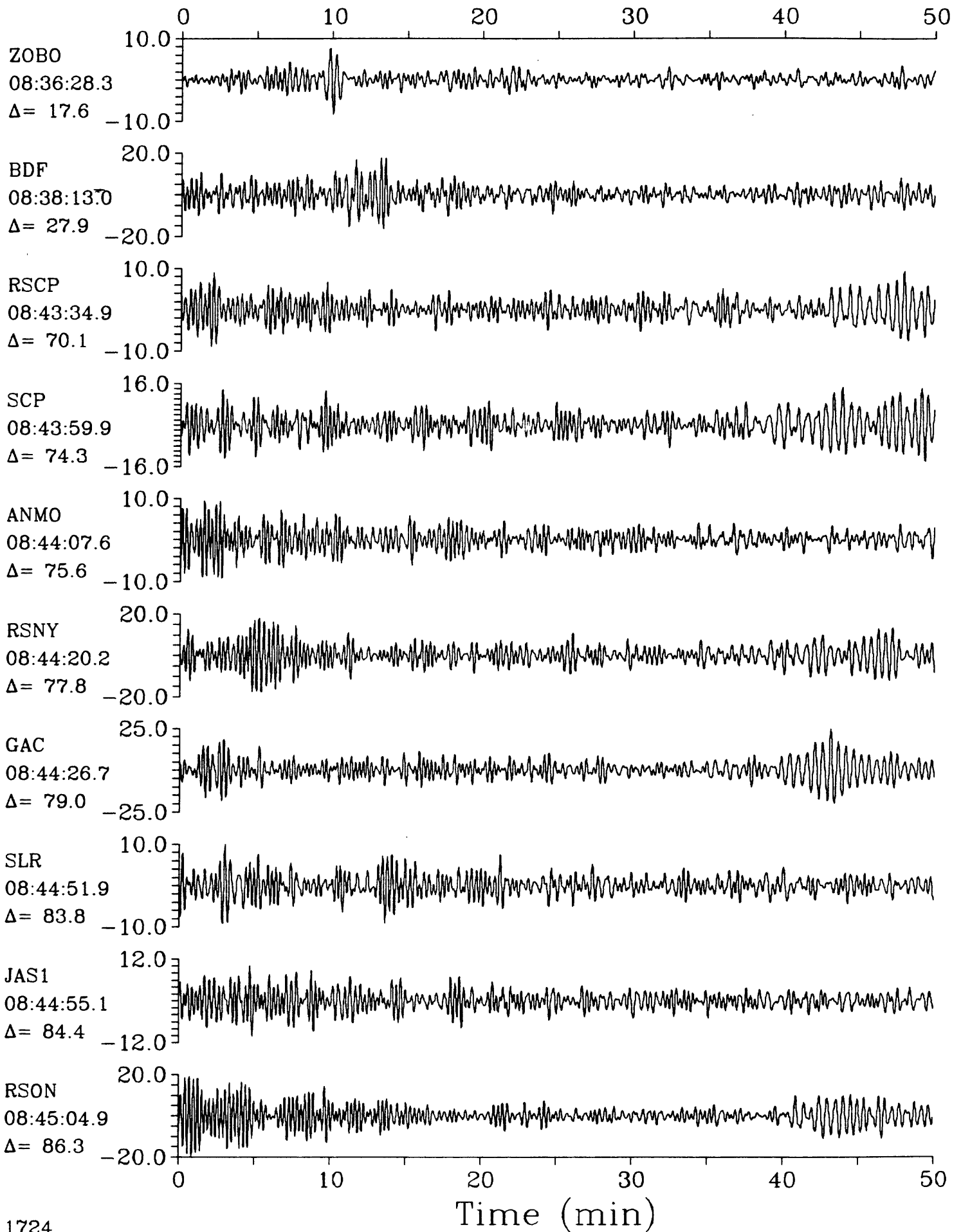
SPZ

26 September 1985 08:33:27.17

SPZ

Near Coast of Central Chile $h=47.2$ $m_b=5.6$ $M_{sz}=5.7$



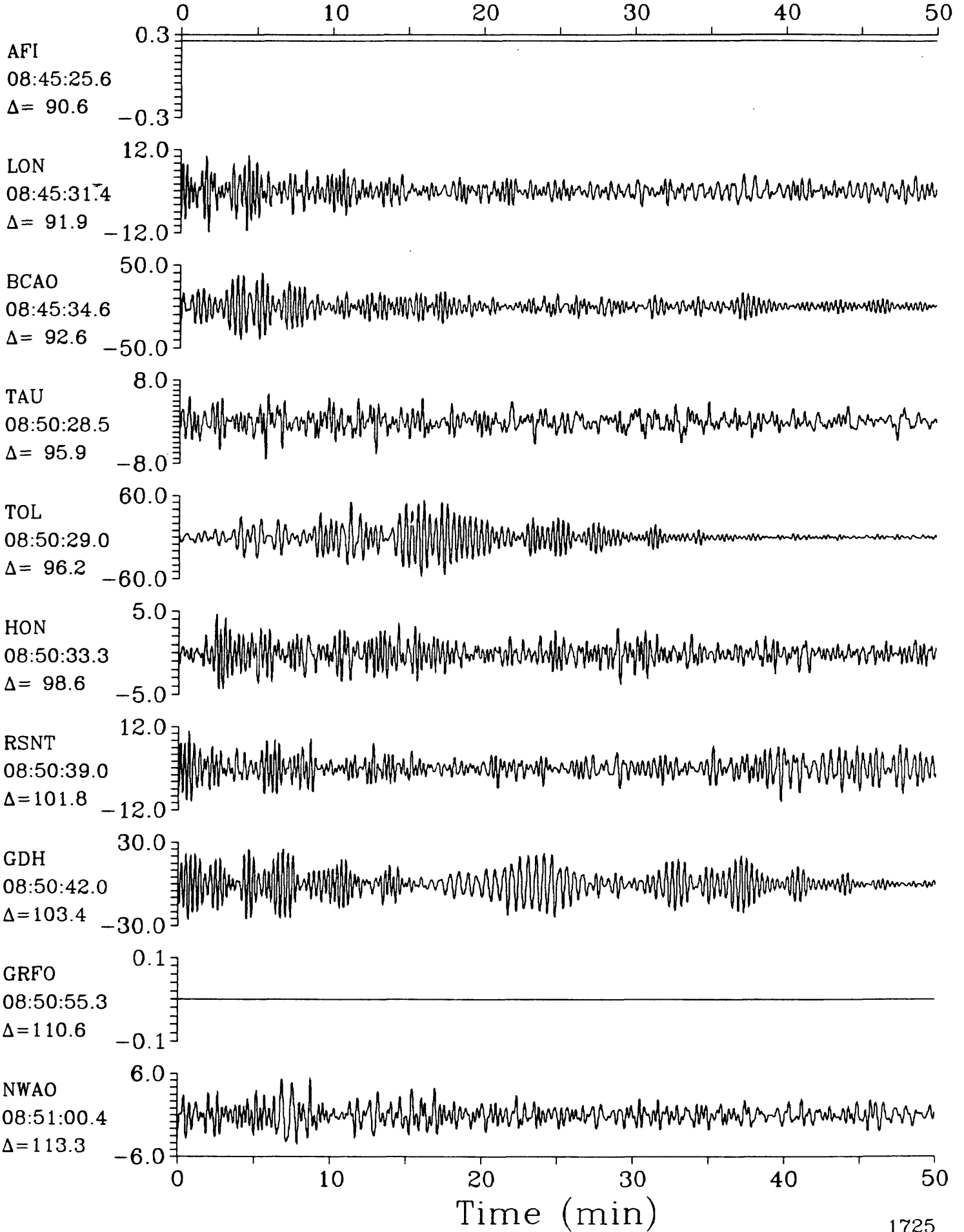
Near Coast of Central Chile $h=47.2$ $m_b=5.6$ $M_{sz}=5.7$ 

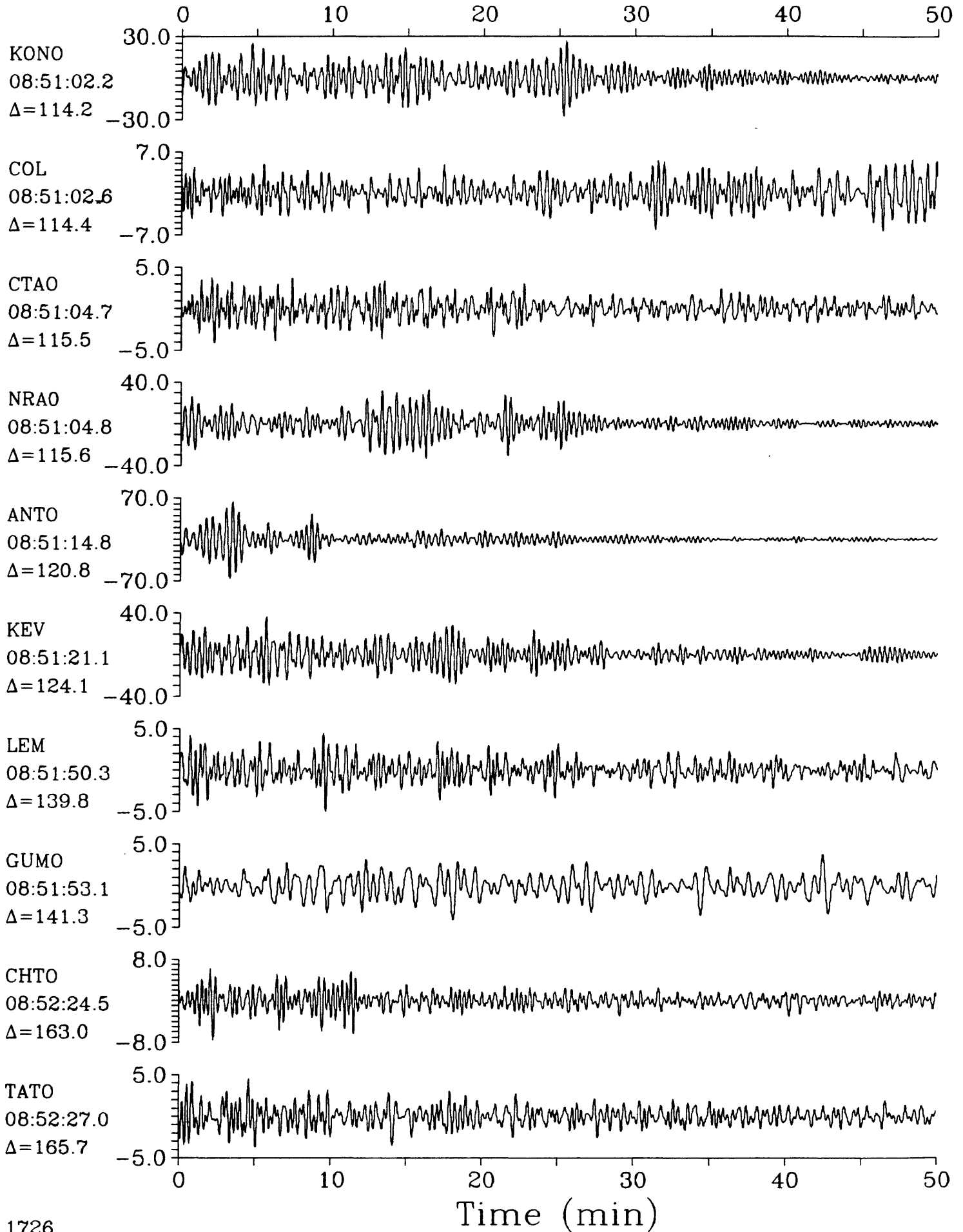
LPZ

26 September 1985 08:33:27.17

LPZ

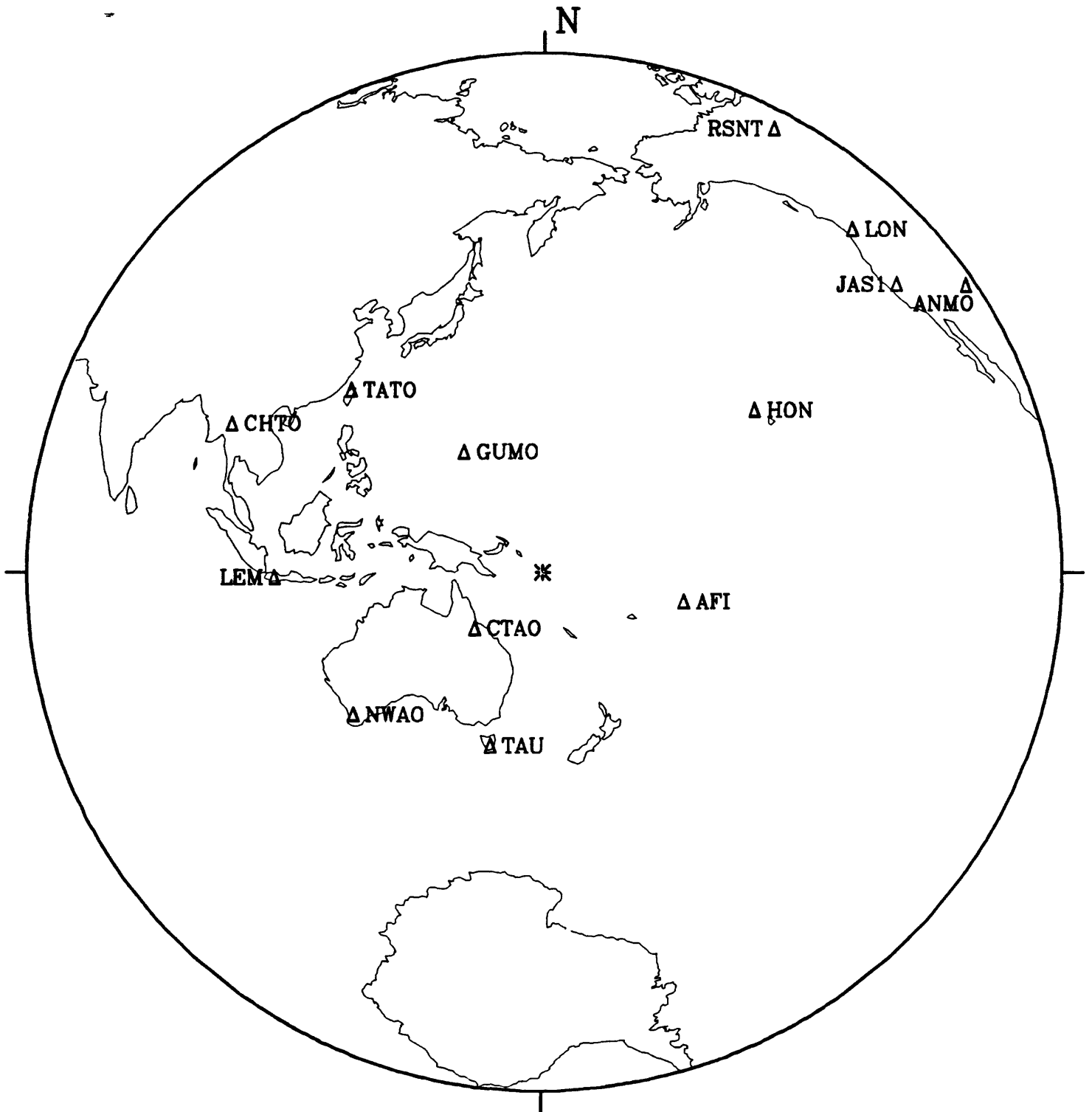
Near Coast of Central Chile $h=47.2$ $m_b=5.6$ $M_{sz}=5.7$

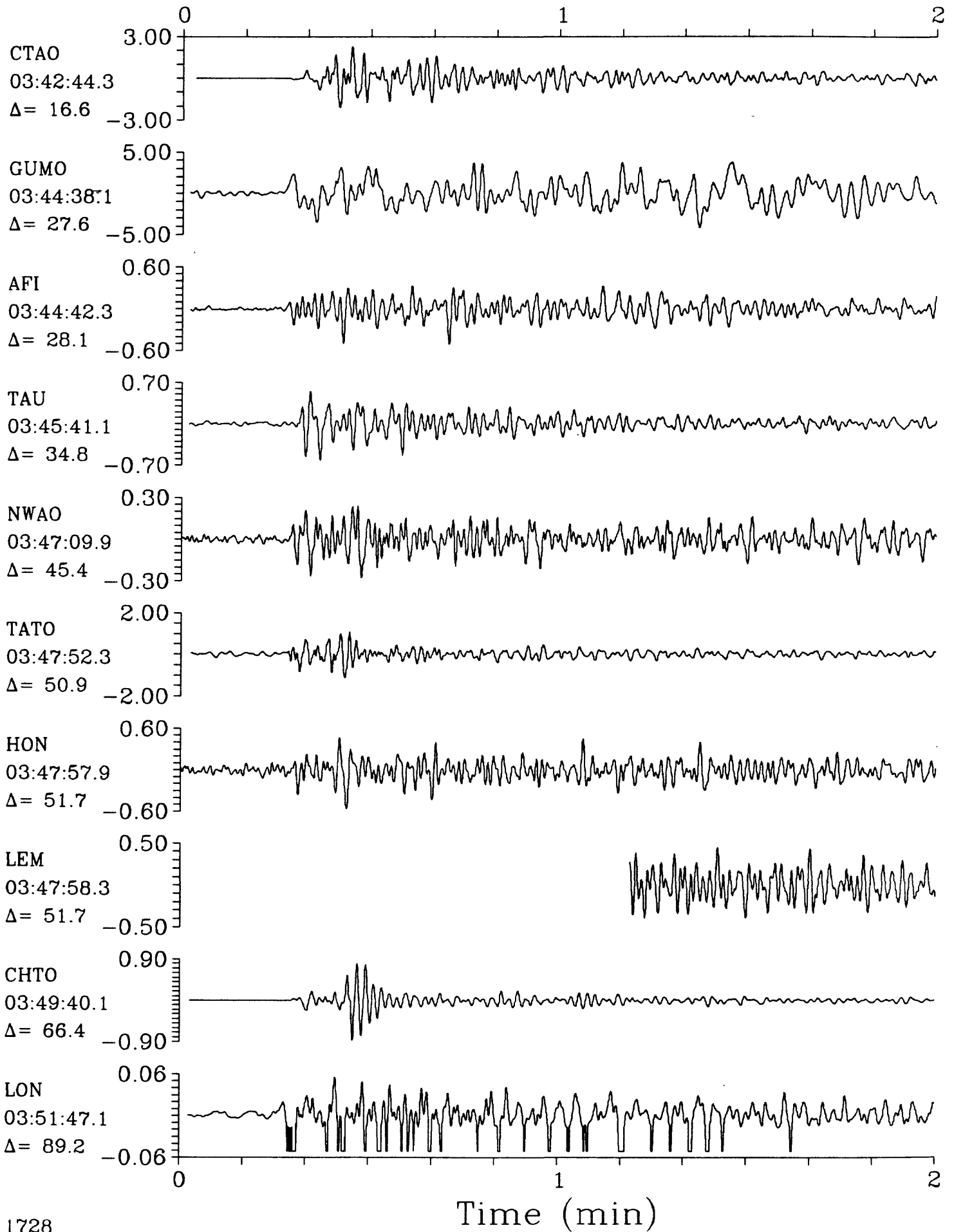


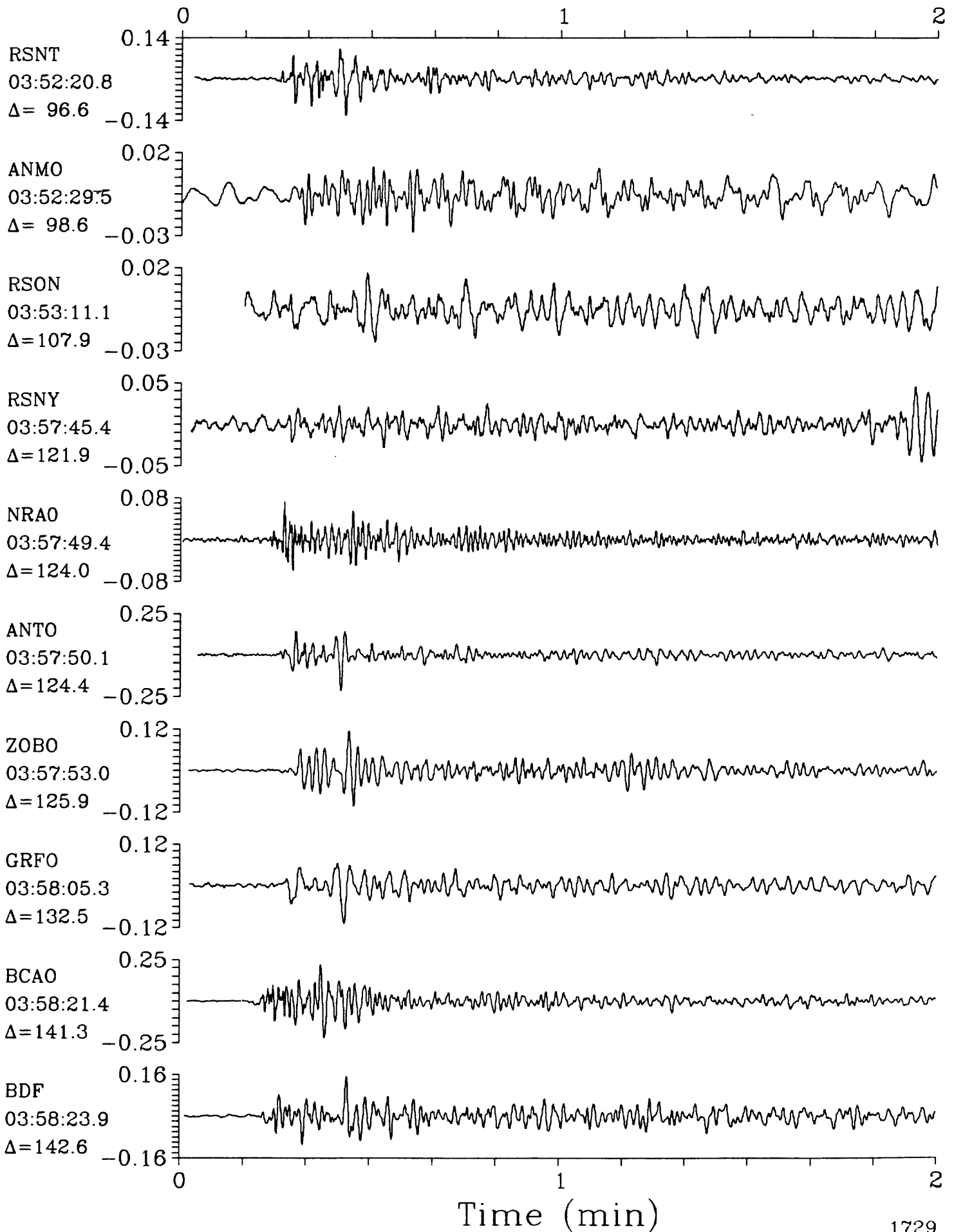
Near Coast of Central Chile $h=47.2$ $m_b=5.6$ $M_{SZ}=5.7$ 

27 September 1985 03:39:08.27

Solomon Islands





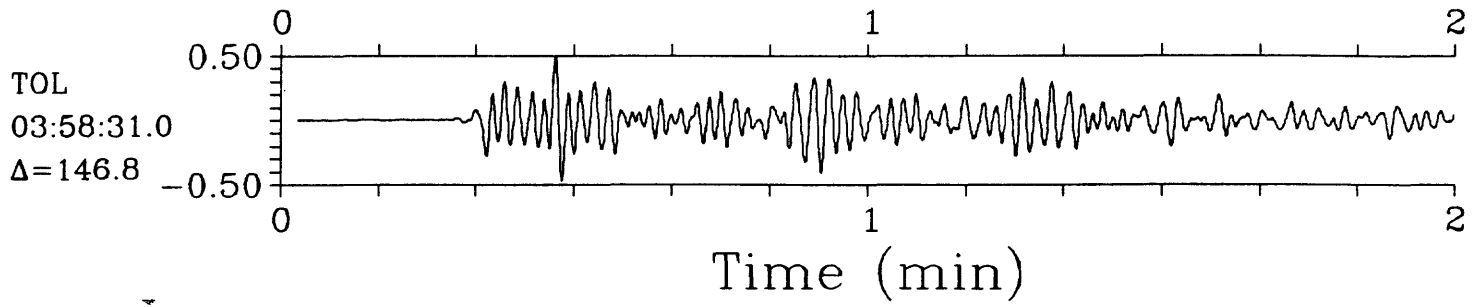


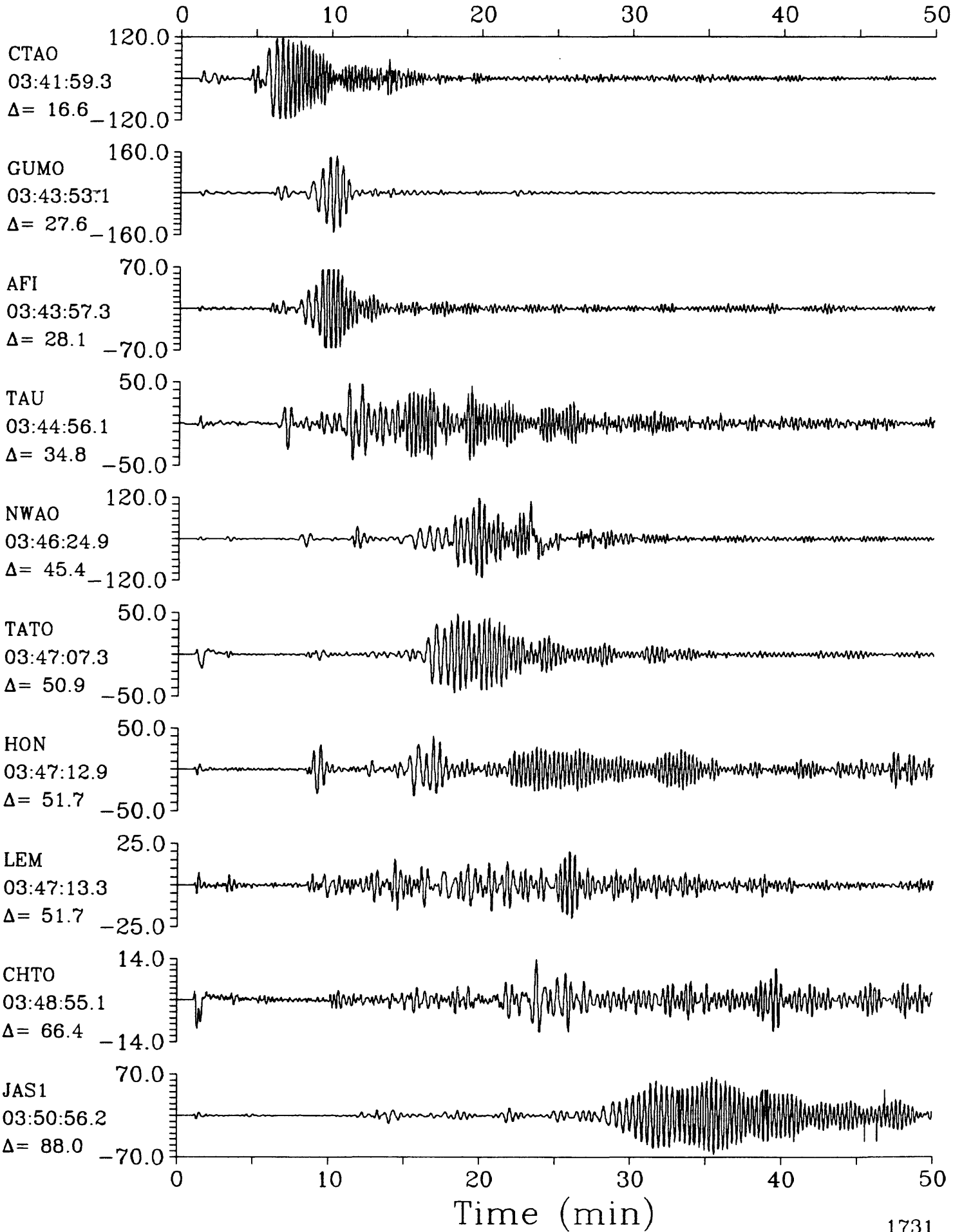
SPZ

27 September 1985 03:39:08.27

SPZ

Solomon Islands $h=29.6$ $m_b=6.3$ $M_{sz}=6.9$

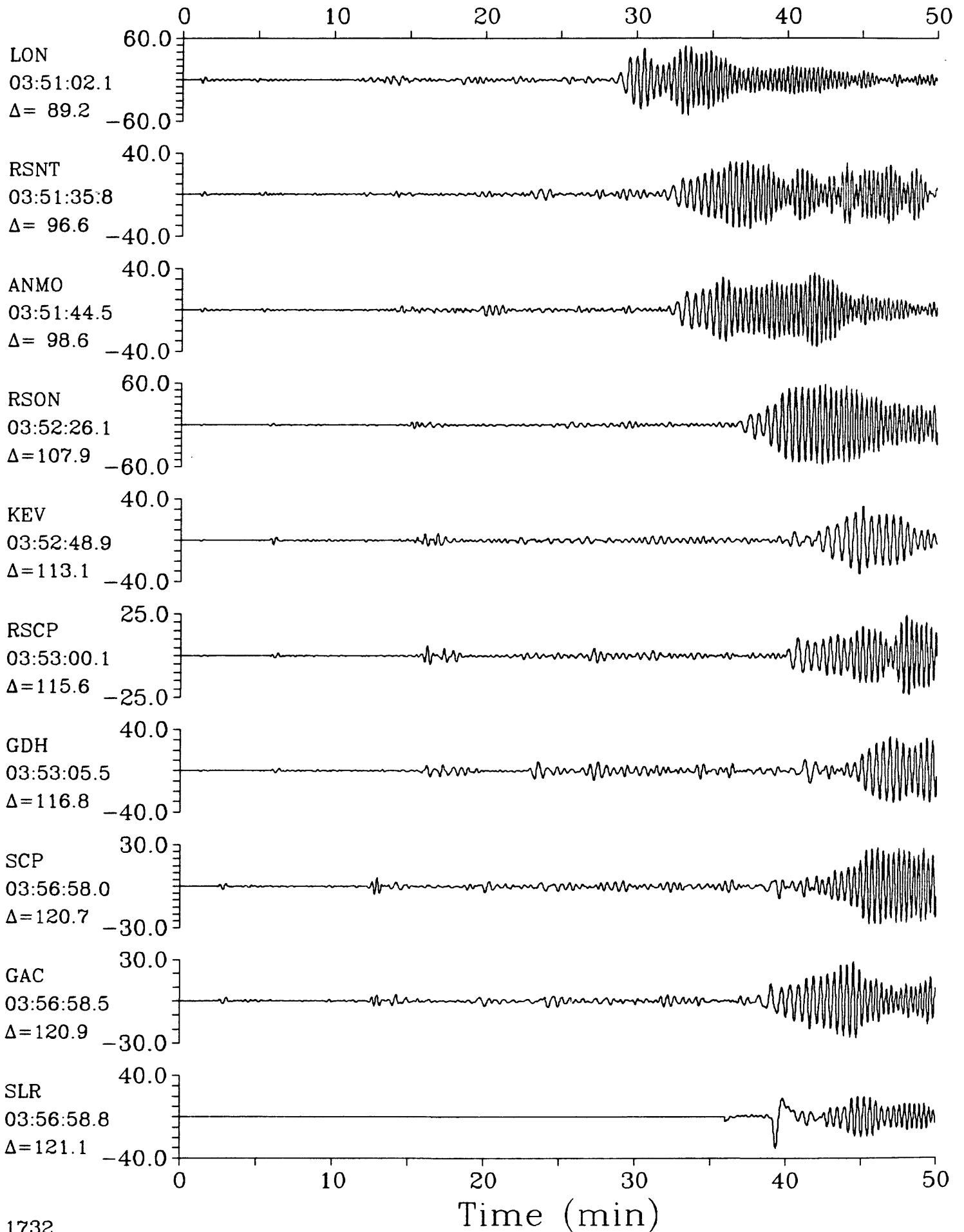




LPZ

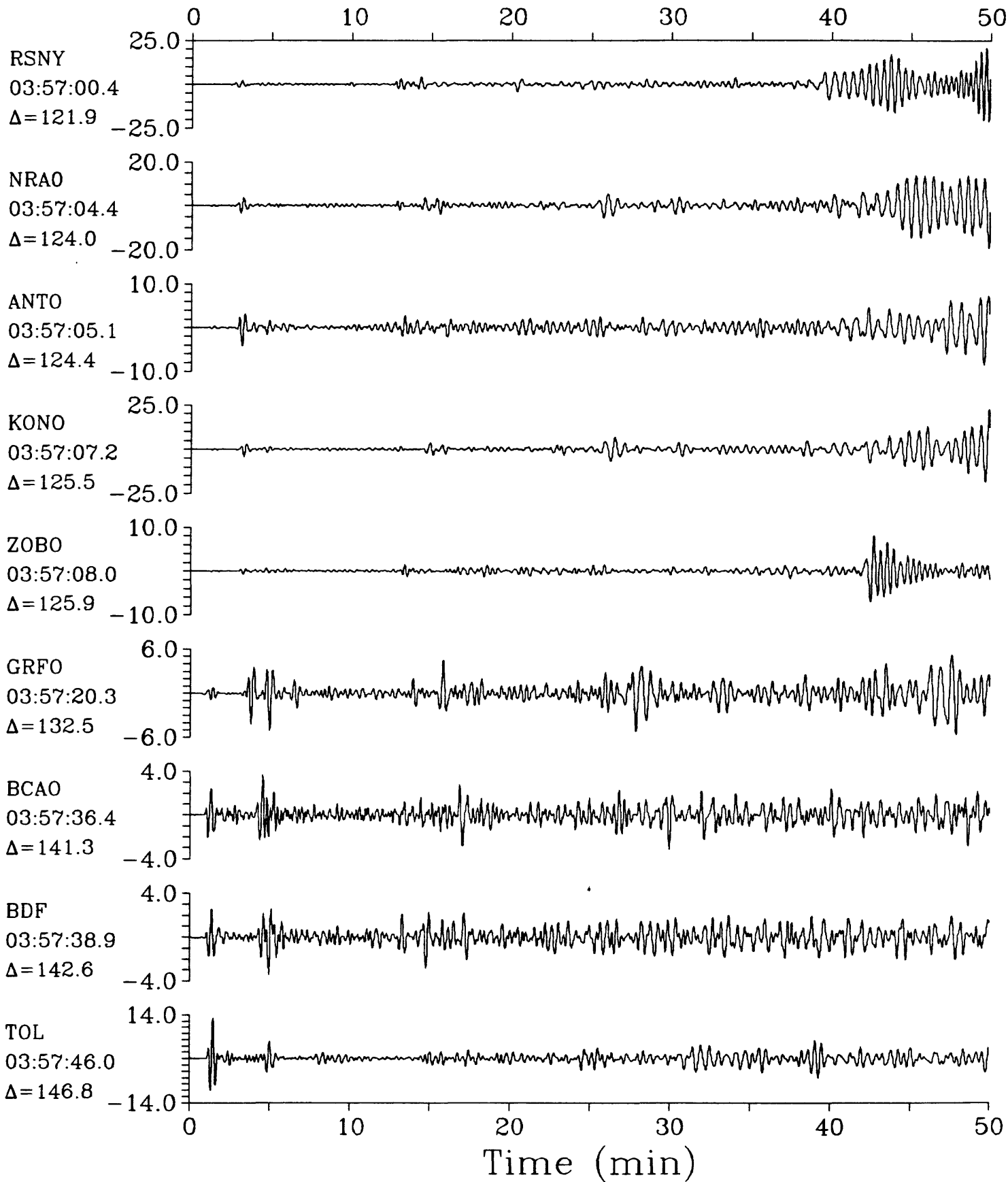
27 September 1985 03:39:08.27

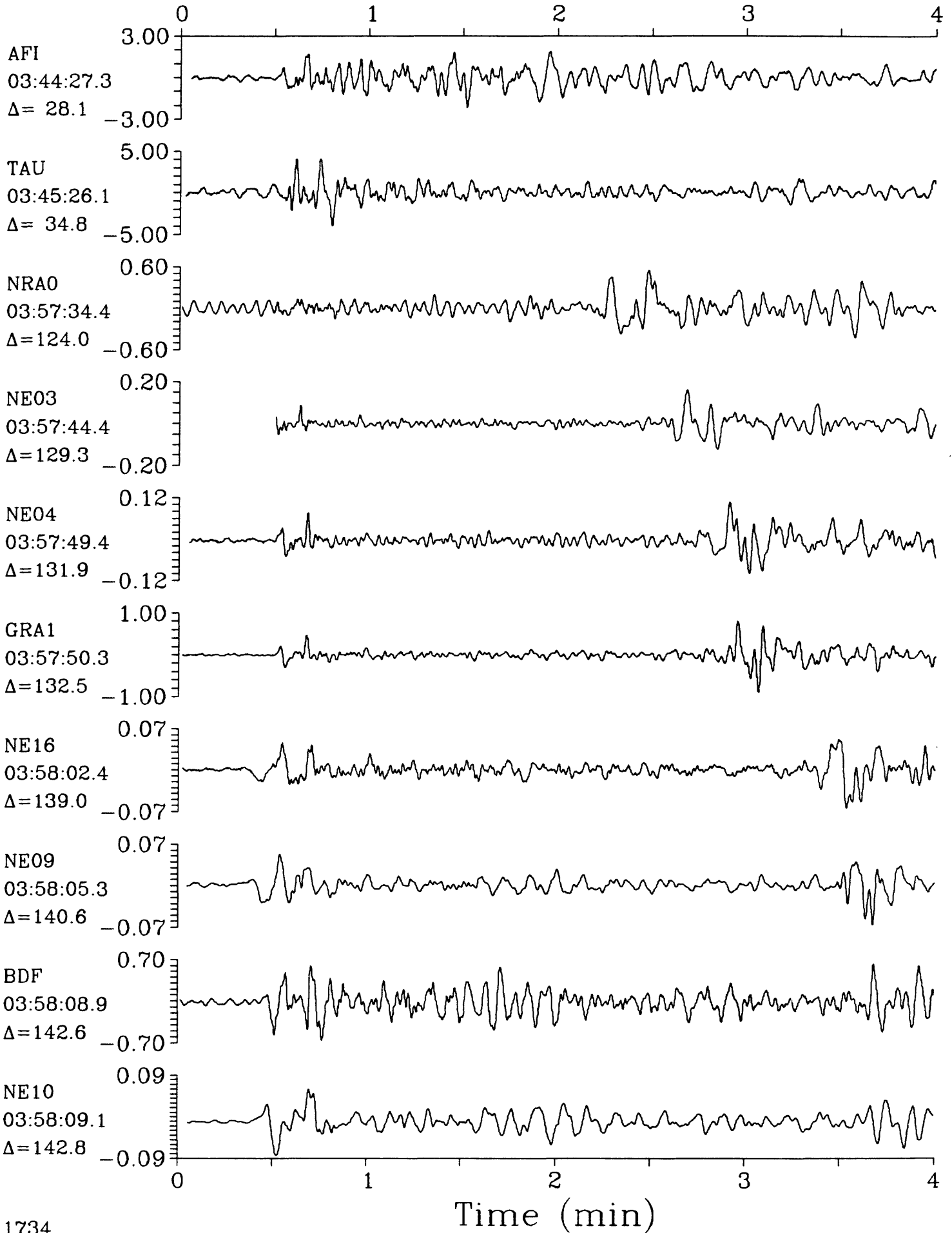
LPZ

Solomon Islands $h=29.6$ $m_b=6.3$ $M_{SZ}=6.9$ 

1732

Time (min)

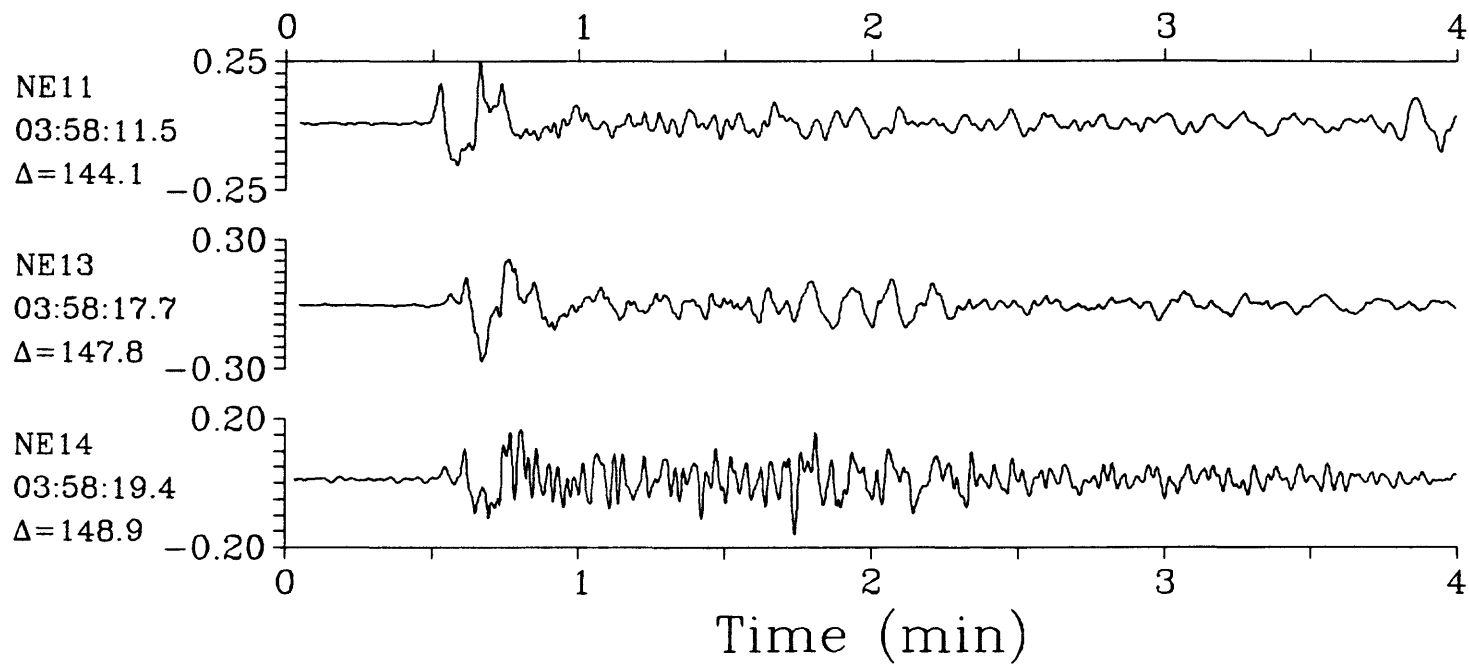




IPZ

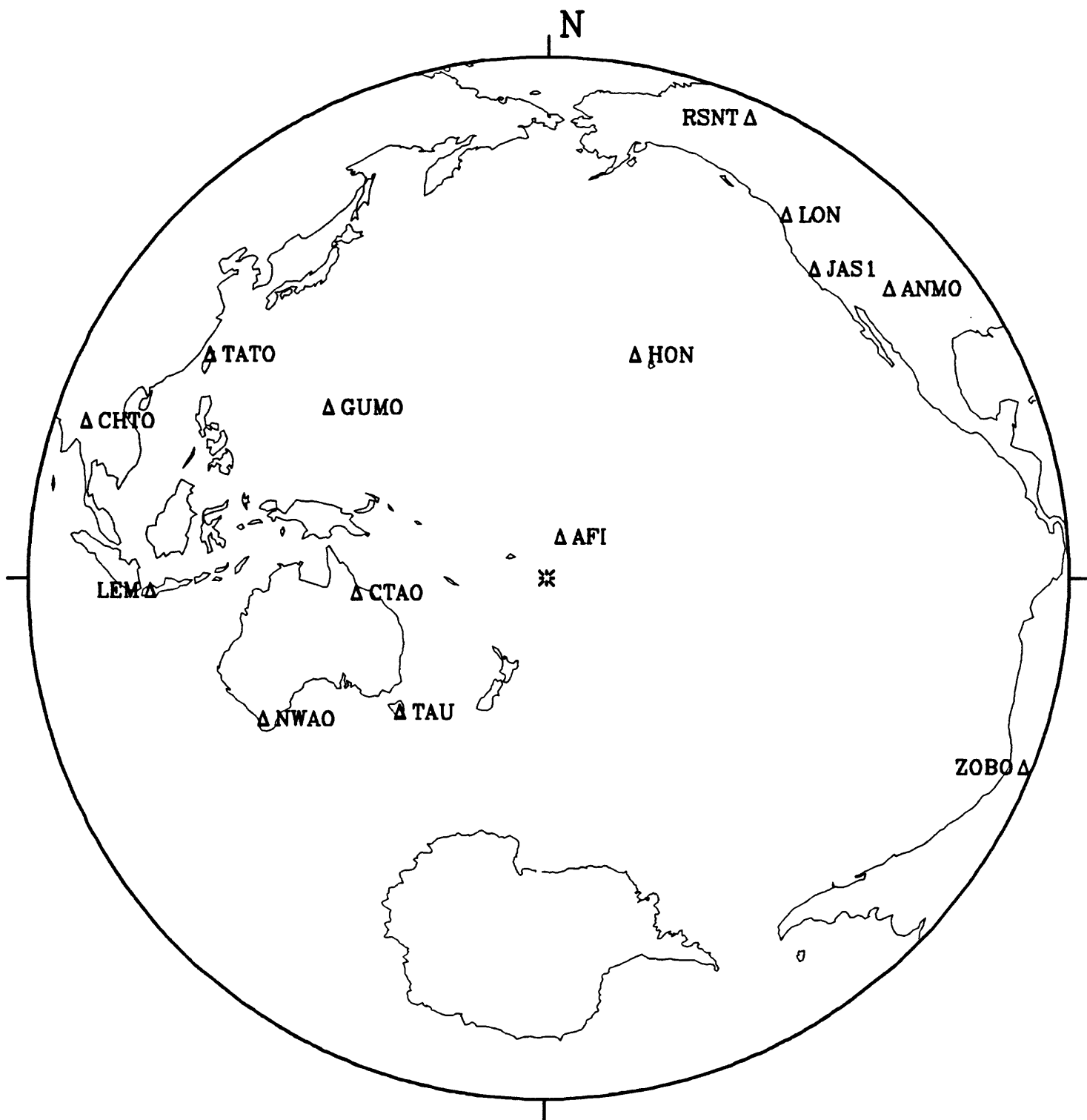
27 September 1985 03:39:08.27
Solomon Islands $h=29.6$ $m_b=6.3$ $M_{SZ}=6.9$

IPZ



27 September 1985 10:10:19.62

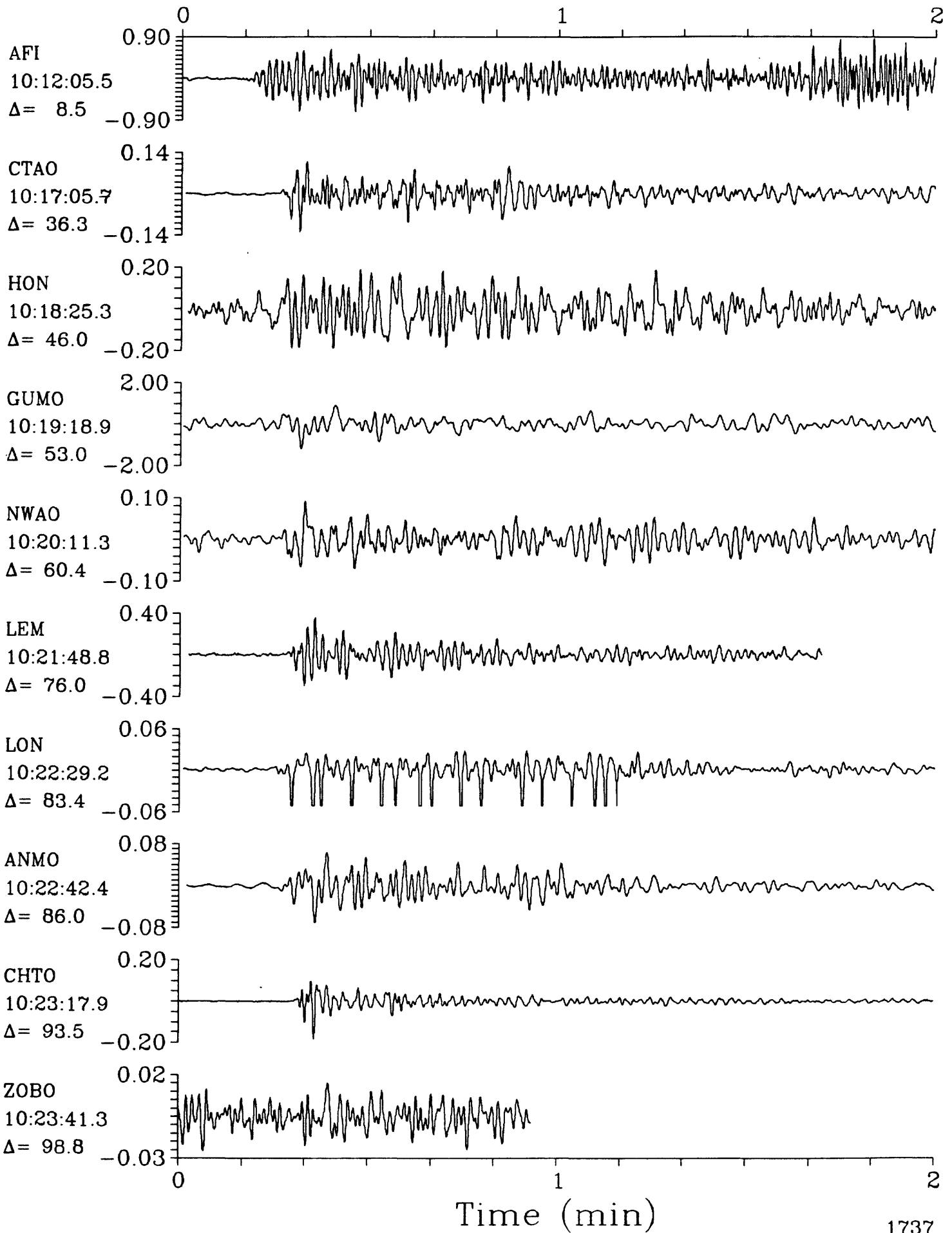
Tonga Islands



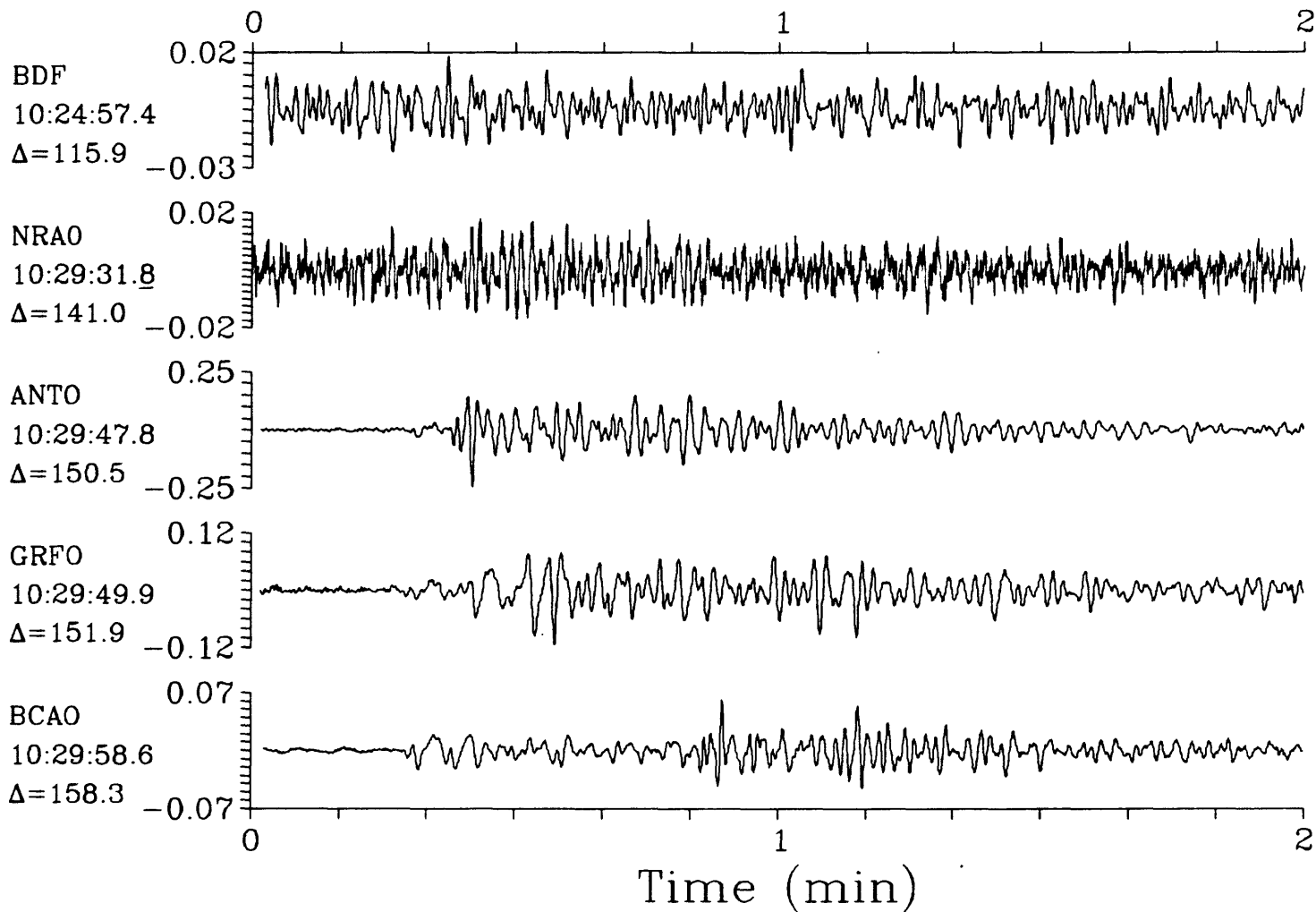
SPZ

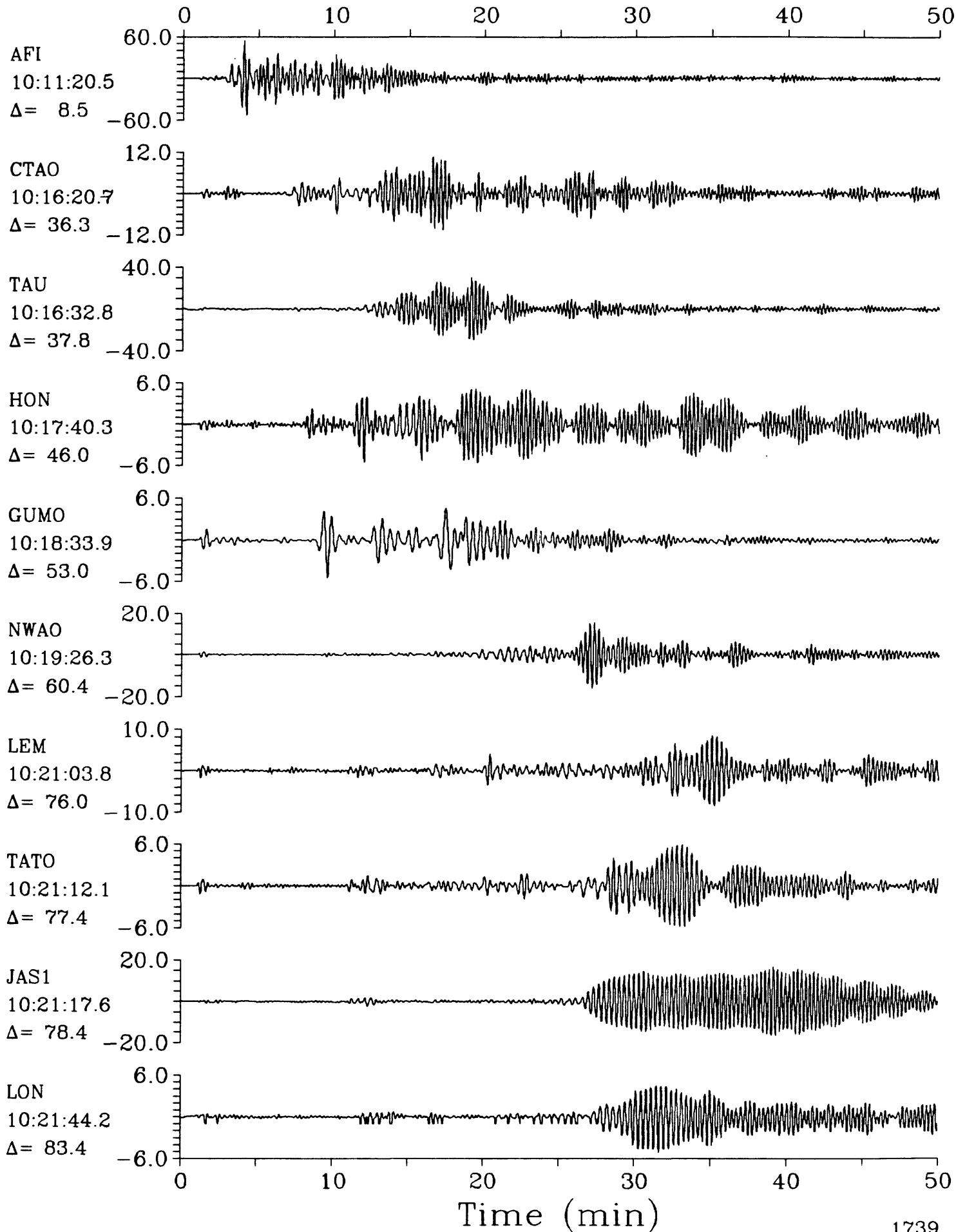
27 September 1985 10:10:19.62
Tonga Islands $h=33.0$ $m_b=5.8$ $M_{SZ}=6.2$

SPZ



1737

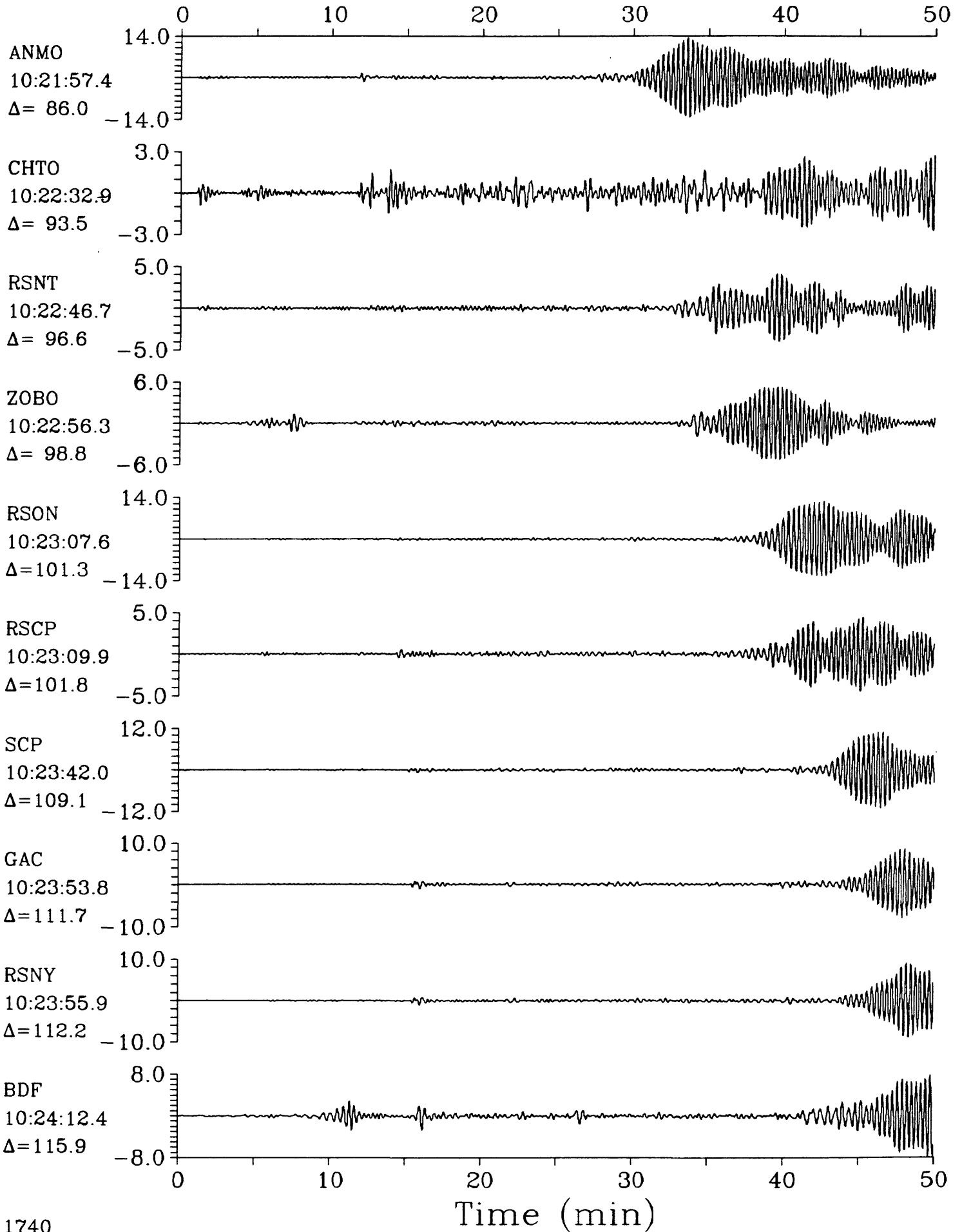




LPZ

27 September 1985 10:10:19.62
Tonga Islands $h=33.0$ $m_b=5.8$ $M_{sz}=6.2$

LPZ

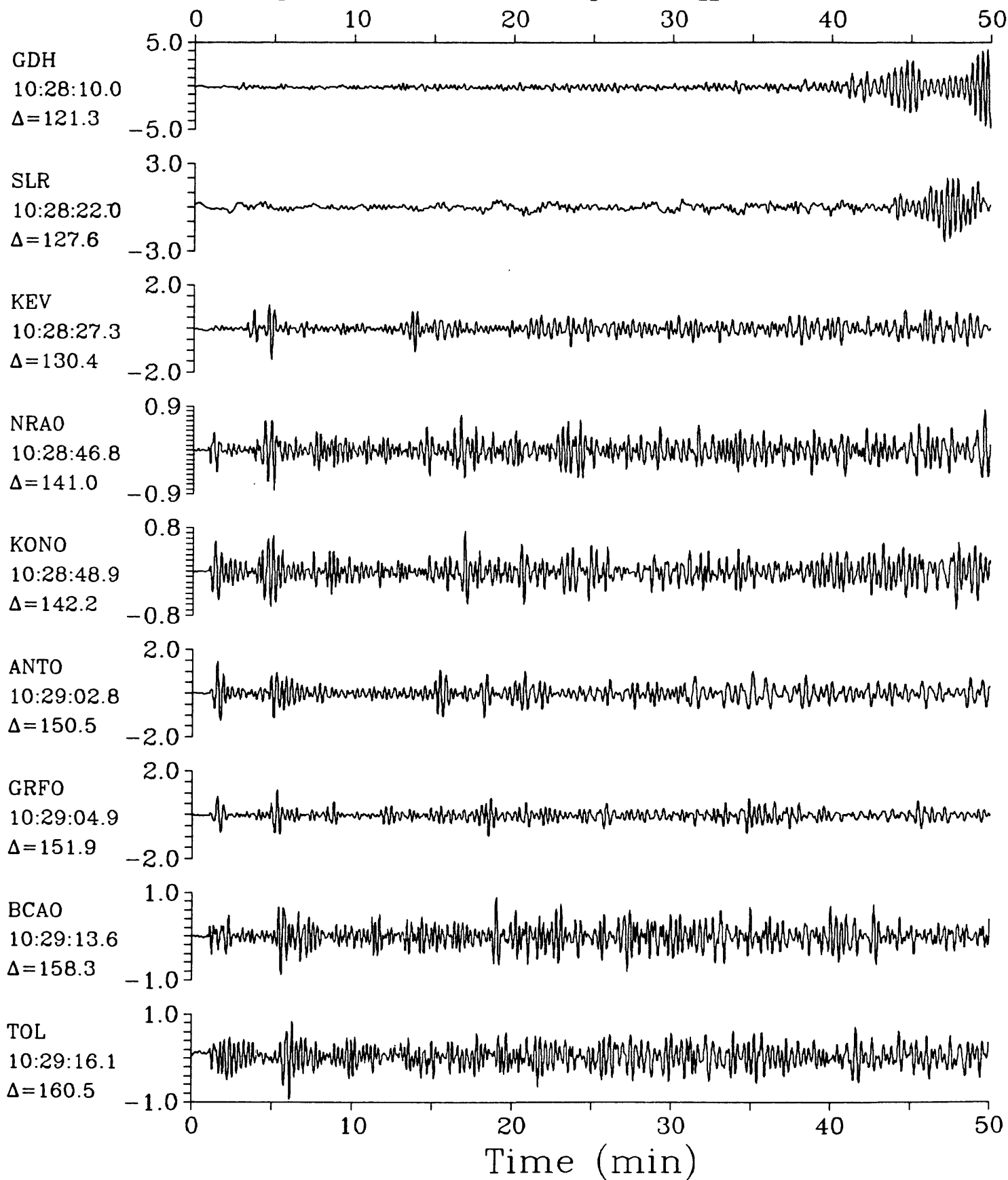


1740

LPZ

27 September 1985 10:10:19.62
Tonga Islands $h=33.0$ $m_b=5.8$ $M_{sz}=6.2$

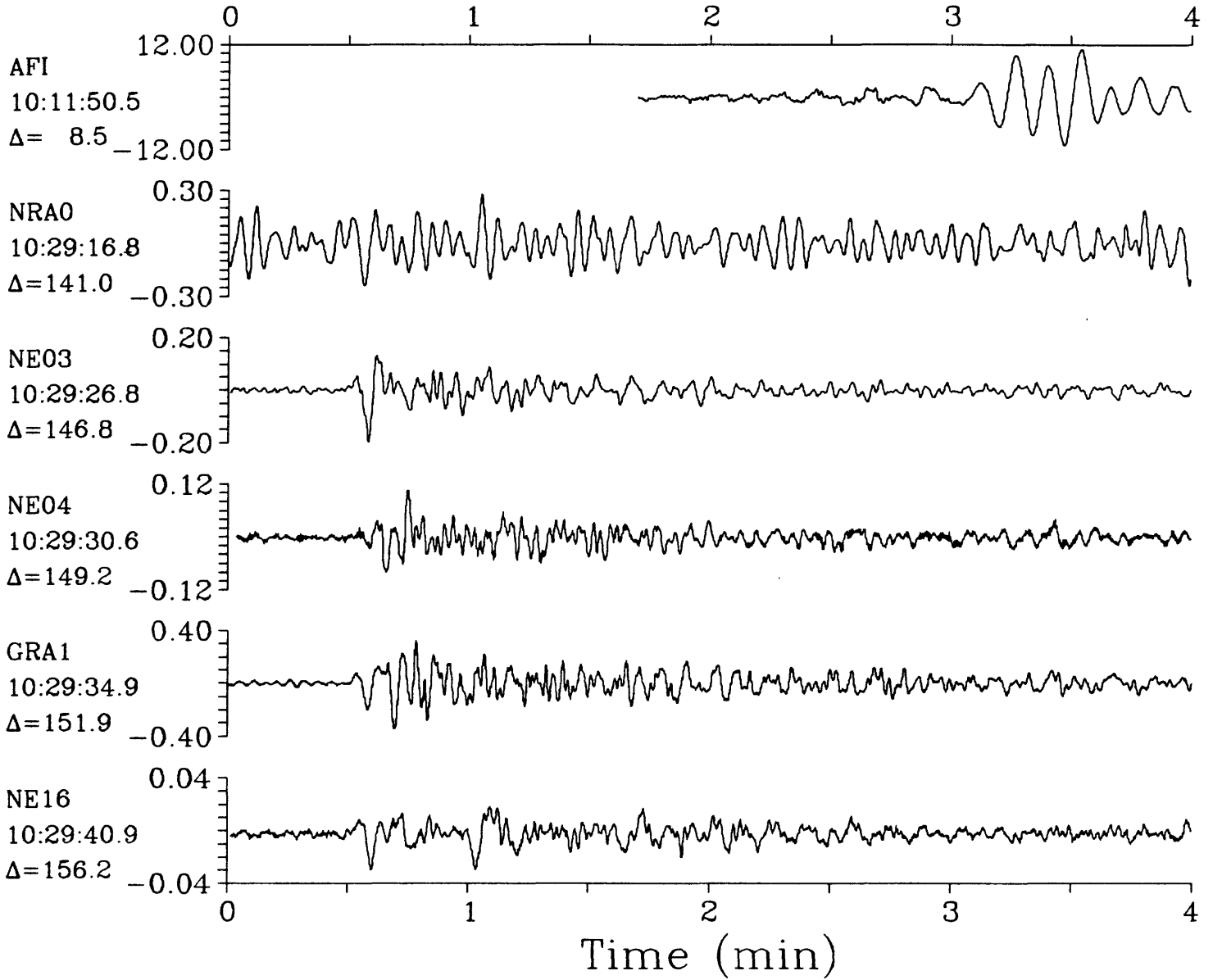
LPZ



IPZ

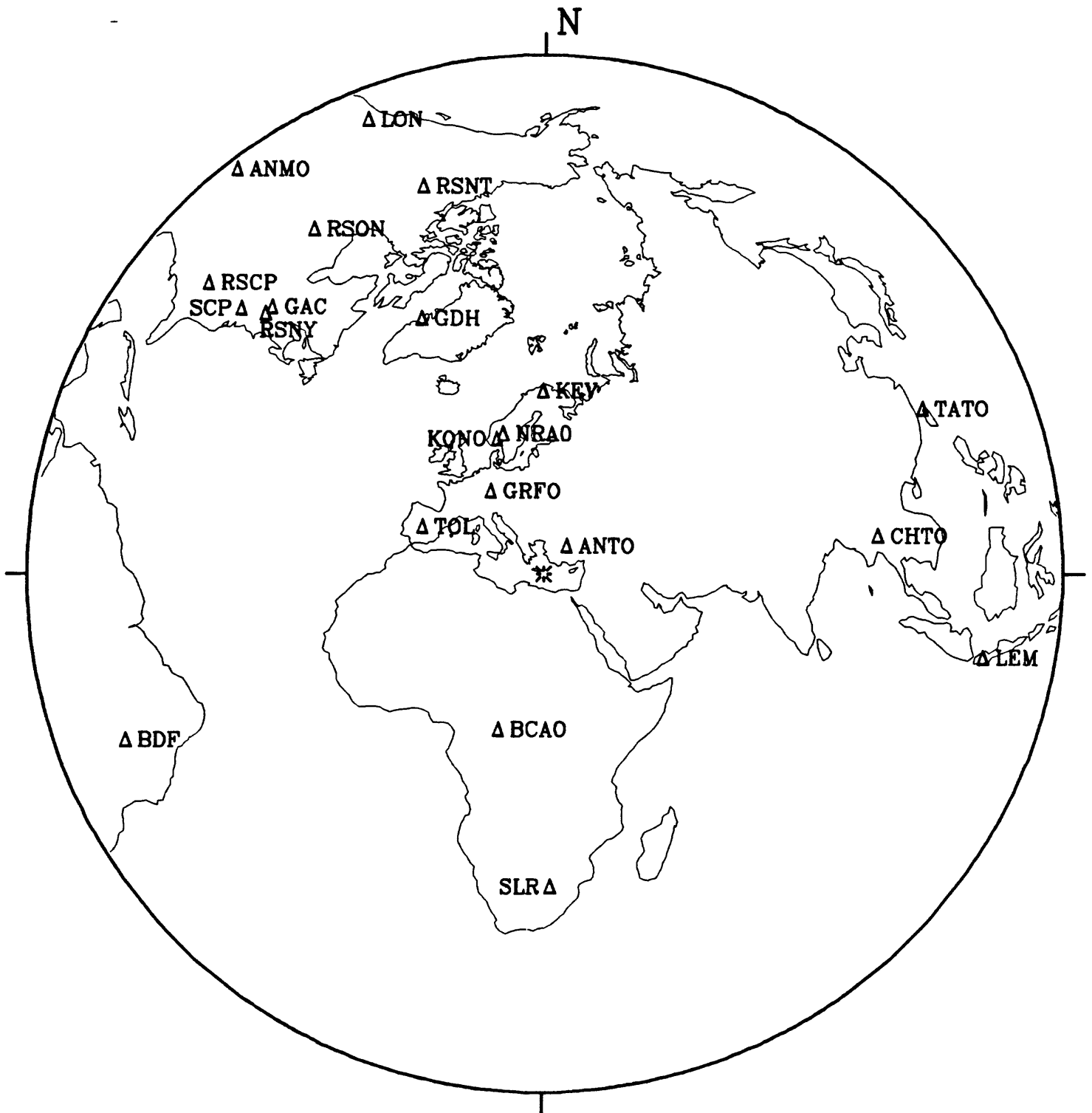
27 September 1985 10:10:19.62
Tonga Islands $h=33.0$ $m_b=5.8$ $M_{sz}=6.2$

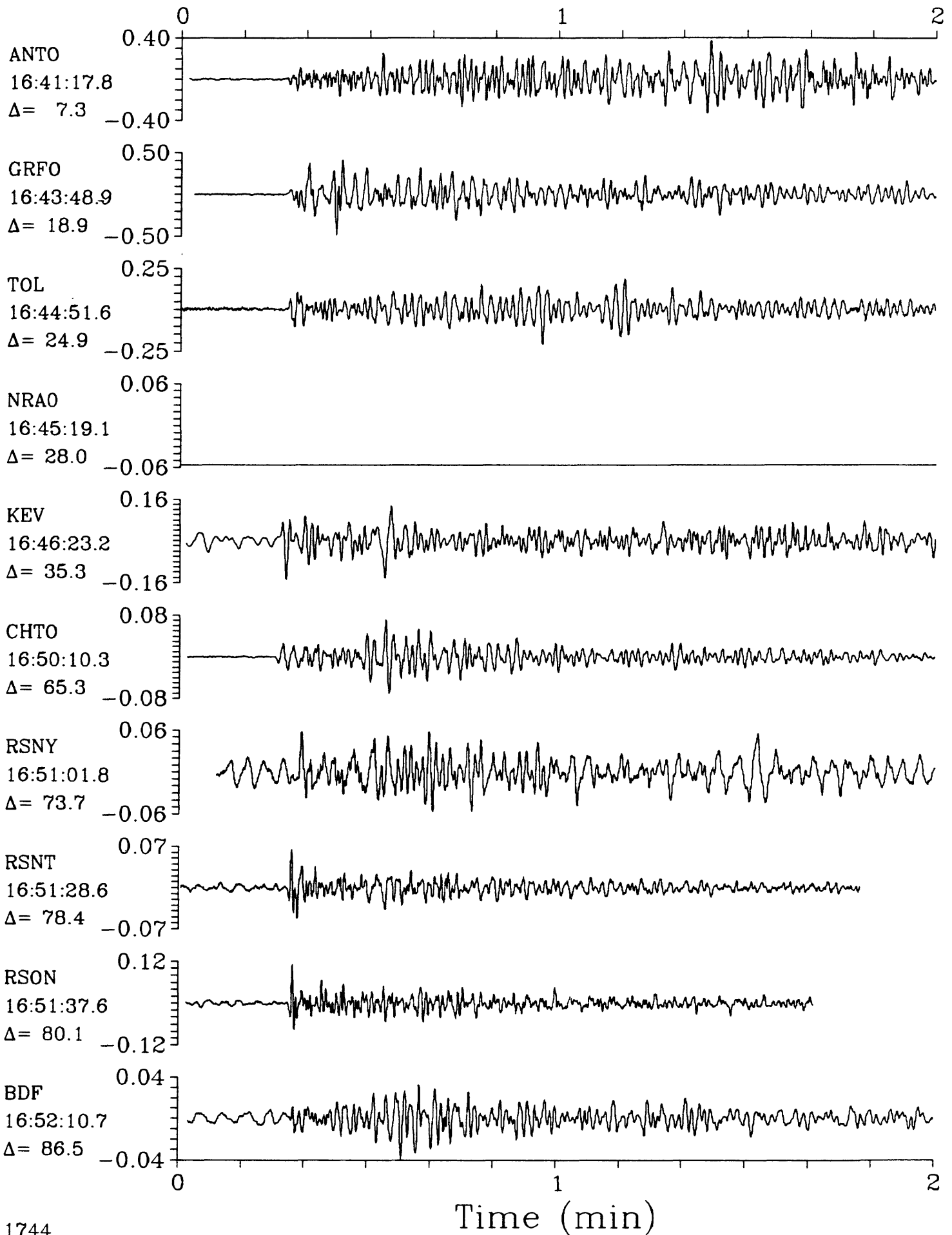
IPZ



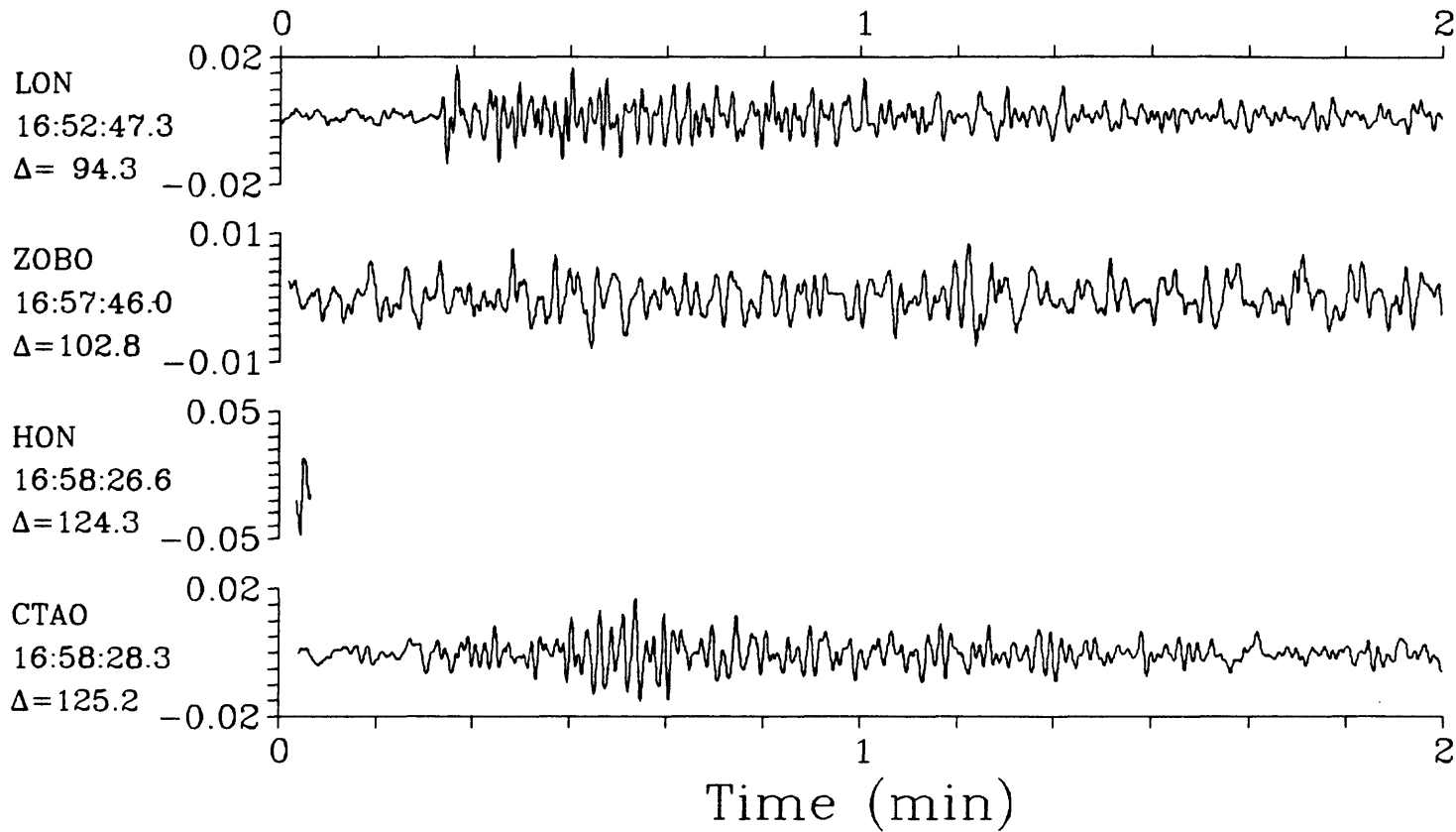
27 September 1985 16:39:48.67

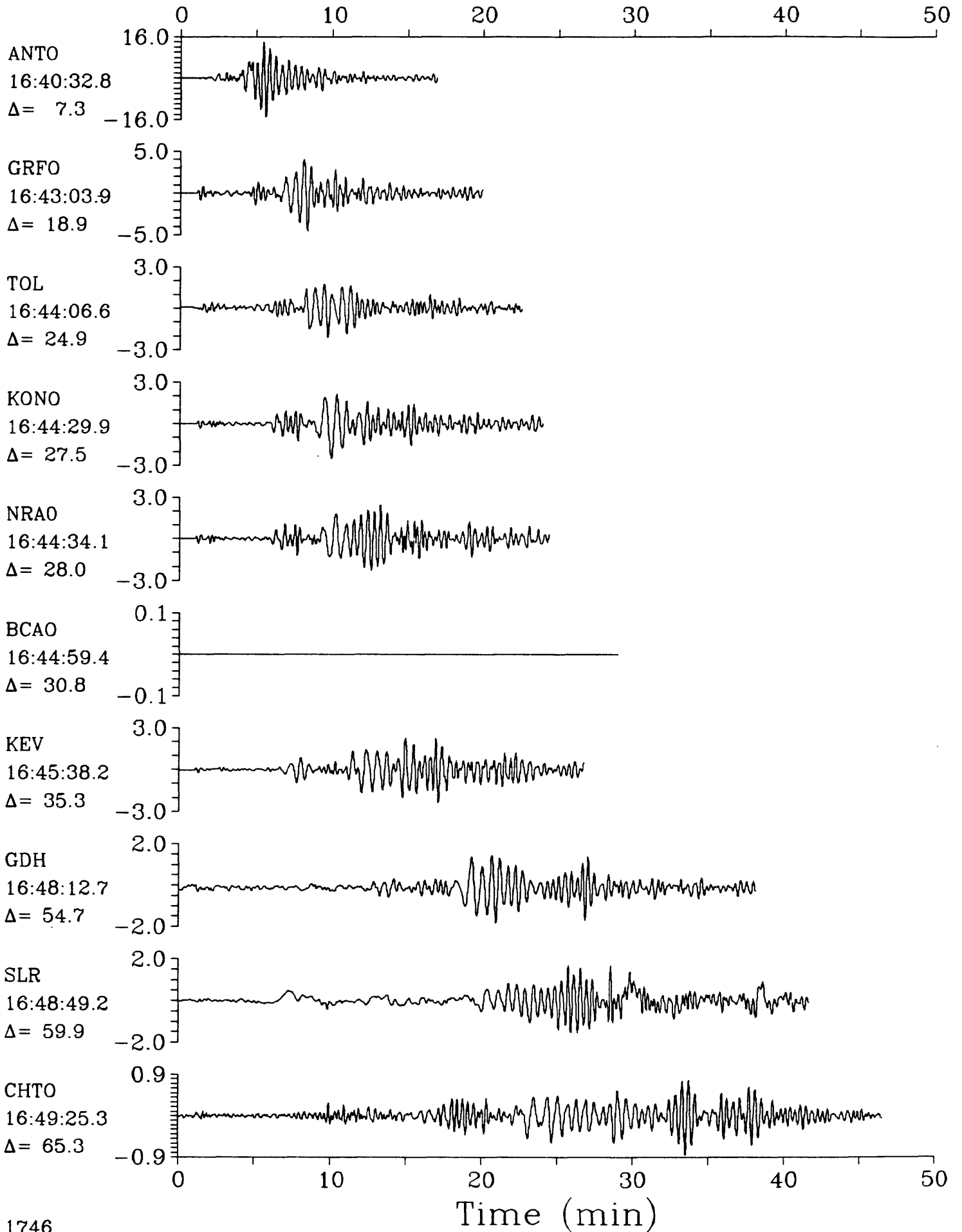
Crete

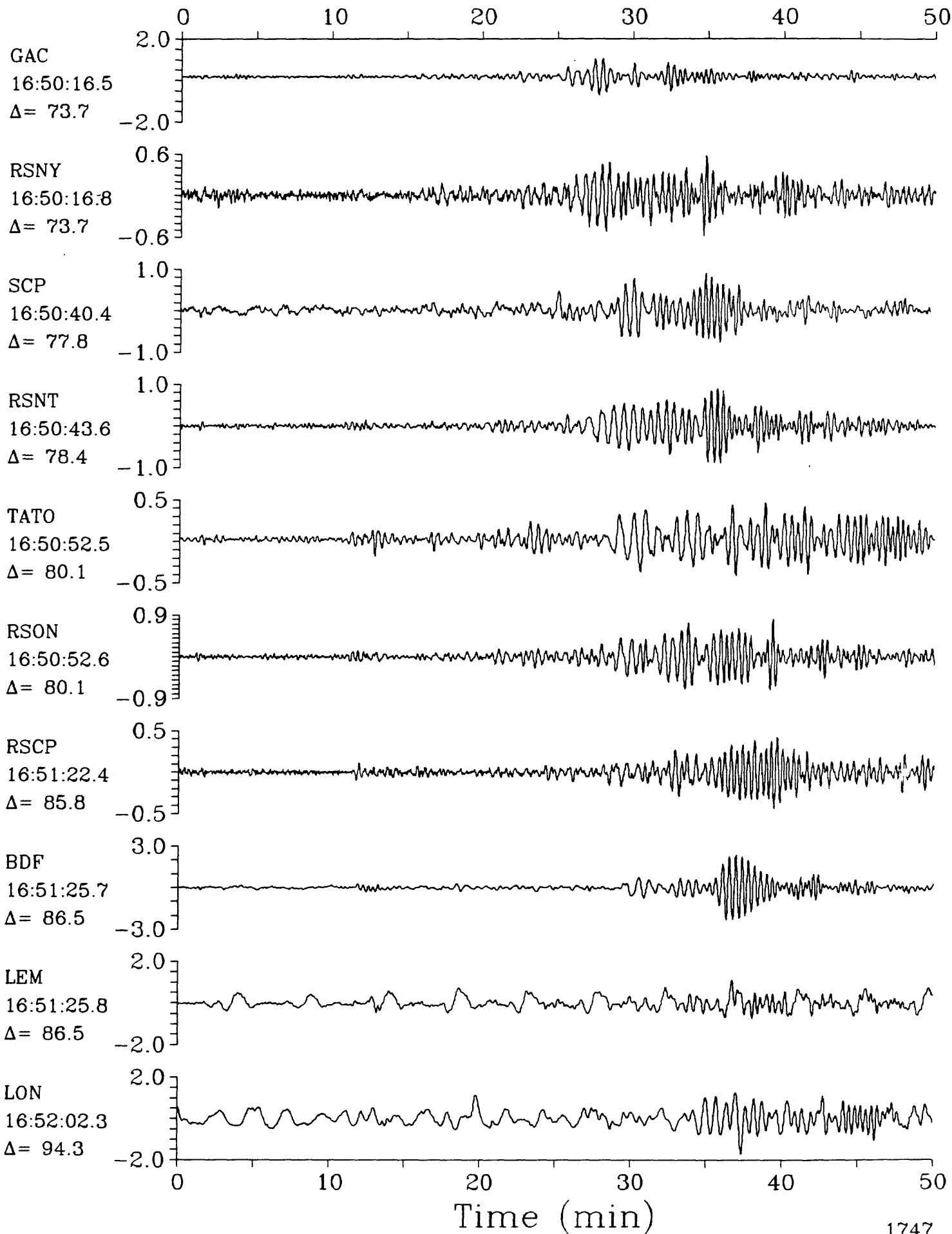




Crete $h=58.7$ $m_b=5.5$





Crete $h=58.7$ $m_b=5.5$ 

Crete $h=58.7$ $m_p=5.5$ 