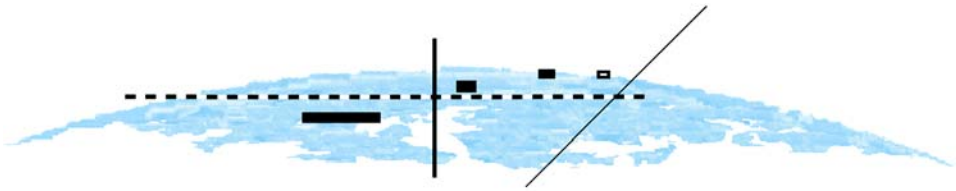

GeoForschungsZentrum Potsdam

STIFTUNG DES ÖFFENTLICHEN RECHTS

Scientific Technical Report

ISSN 1610-0956

An earthquake catalogue for central, northern and northwestern Europe based on M_w magnitudes

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Contents

Abstract
A Databank was created using data from 25 local catalogues and 30 special studies of earthquakes in central, northern and northwestern Europe. Event types were discriminated, fake events and duplets eliminated, and different magnitudes and intensities converted to M_w. The conversions require the establishment of regression equations. The Catalogue contains tectonic events from the Databank within the area 44°N-72°N, 25°W-32°E and the time period 1300-1993 which have M_w magnitudes of 3.50 and larger. The area is covered by different polygons. Within each polygon only data from one or a small number of the local catalogues, supplemented by data from special studies, enter the Catalogue. If there are two or more such catalogues or studies providing a solution for an event, a priority algorithm selects one entry for the Catalogue. Then M_w is calculated from one of the magnitude types, or from macroseismic data, given by the selected entry according to another priority scheme. The origin time, location, M_w magnitude and reference are specified for each entry of the Catalogue. So is the epicentral intensity, I_0, if provided by the original source. Following these criteria, a total of about 5,000 earthquakes constitute the Catalogue. Although originally derived for the purpose of seismic hazard calculation within GSHAP, the Catalogue provides a data base for many types of seismicity and seismic hazard studies.

Key words: Earthquake catalogue, M_w magnitude, central, northern and north-western Europe

1. Introduction

Historical and instrumental data are available for separate countries or areas in Europe. However, homogeneous catalogues with high-quality data covering large territories and long historical time spans are lacking. Such catalogues are needed for numerous kinds of studies. The catalogues from the international seismological data centres, such as the International Seismological Centre (ISC), U.S. National Earthquake Information Service (NEIS) / Center (NEIC), Bureau Central International Seismologique (BCIS) and European Mediterranean Seismological Centre (EMSC), cover short time periods and use high magnitude thresholds with respect to the needs of long term seismicity studies and seismic hazard assessment in areas of relatively low seismic activity. The same is the case with the catalogue for European and Mediterranean earthquakes by Kárník (1996), where the general limits are intensity 7 for the period 1800-1900, M_S = 4.5 for 1901-1950 and M_S = 3.8 for 1951-1990, with few, scattered events below the thresholds. The restrictions make the use of this catalogue north of the Alps insufficient. The different national catalogues together contain much more information and are in many cases remarkably complete back to historical times.

The present Catalogue covers central, northern and northwestern Europe, more precisely the area 44°N-72°N and 25°W-32°E°. This corresponds to the GSHAP Region 3 defined within the Global Seismic Hazard Assessment Program (GSHAP - Giardini and Basham, 1993; Giardini, 1999), where certain institutions were coordinators to specify and obtain

seismic hazard maps for various regions. A requirement for GSHAP was to derive such maps from homogeneously compiled data. The GeoForschungsZentrum Potsdam was responsible for GSHAP Region 3 (Grünthal et al., 1999a) and the purpose of the current paper is to present a uniform earthquake catalogue for this region and describe the details of its contents and how it was developed. The work implied a major challenge due to the large number of national and regional catalogues and their different types of data. A major task was to convert the occurring size measures, i. e., different magnitudes and intensity, to one concept. M_w was chosen for reasons explained below.

The Catalogue contains tectonic earthquakes with $M_w \geq 3.50$ in the years 1300-1993 in the area specified above. The starting year 1300 is chosen because in many parts of the study area the highest magnitude classes reach a certain degree of completeness since that time. 1993 is the last year of data in about half of the domestic catalogues provided for the project. Some 30 countries or parts of them belong to the selected region and difficulties in preparing a unified catalogue arise already in accessing data from several of these catalogues (see Chapter 2). Other difficulties to overcome are due to the different structures of the various catalogues, e. g., earthquake strength parameters and error measures, and the identification of duplications of events appearing in more than one catalogue, often with slightly different parameters.

All original data from the different sources are incorporated into a Databank, including not only tectonic earthquakes but also rockbursts, explosions and suspected non-seismic events of different kinds. The entries from the many sources are given a uniform form in the Databank, which is passed on to the Catalogue. The Catalogue is an excerpt from the Databank giving a selected set of parameters for tectonic events, with improvements and supplements made in different respects (see below). The parameters are: Origin time, location, M_w magnitude, epicentral intensity (if given) and a reference. These are the data needed to perform seismic hazard studies, a main purpose of the Catalogue, and various types of seismicity studies.

The general limited access to detailed macroseismic information for historical earthquakes prevents the application of modern macroseismic methods to determine M_w (see Chapter *5.2.2*). Other restrictions are caused by the inaccessibility of later possible improvements of national catalogues and of special studies on new interpretations of historical earthquakes. It is beyond the scope of our analysis to penetrate such data in detail in order to upgrade the Catalogue.

2. Seismicity data sources for the Catalogue

Most European countries have advanced and elaborated local catalogues starting in the late 1970s and early 1980s connected with the advent of appropriate computer techniques. They are supplied as printed earthquake lists and/or computer files. At the start of the

GSHAP project, many catalogues were made available to us only for this study, i. e., for the seismic hazard assessment, but they have later become fully accessible. In a few cases, the data remain classified and cannot be published in the Catalogue. In these exceptional cases, entries from other catalogues covering the same area are used and the total loss of data is minor. The 25 local catalogues contributing data to the Catalogue are listed in Table 1a. Epicentres of events from the catalogues are plotted in Figure 1. In the course of the GSHAP project, upgraded data from several of them were submitted and incorporated in the Databank. Even so, about half of the local catalogues terminate before 1993 (see Table 1a), implying a slight temporal inconsistency of different geographical parts of the Catalogue. However, this can be considered (or would else be insignificant) for hazard calculations.

Table 1a. Areas, local catalogues and associated polygons (cf. Figure 2).

Country / area	Main local catalogue /year of last entry in the Databank, if before 1993/	Catalogue notation	Polygons associated with the local catalogue (with notation)
Austria	Lenhardt (1996)	**ZAMG**	Austria (A) adjacent parts of Germany (D) and Switzerland (CH)
Belgium	Verbeiren et al. (1995)	**ORB**	Belgium and Luxemburg (BL) Germany, United Kingdom, Ireland and adjacent waters (UK), France (F)
Belorussia	Boborikin et al. (1993) /1988/	**Bob**	Belorussia (BY) Fennoscandia, Balticum, Kola Peninsula and adjacent waters (FEN)
Croatia	Živčić (1994) /1981/	**ZivC**	Croatia (CRO) Slovenia (SLO) Bosnia and Serbia (BS)
Estonia	Nikonov (1992) /1987/	**Nik**	Fennoscandia etc.
Fennoscandia	Ahjos and Uski (1992) /1991/	**FEN**	Fennoscandia etc. North Atlantic Ocean and Iceland (AOI)
France	Lambert and Levret-Albaret (1996)	**LLA**	France United Kingdom etc.
Germany	Leydecker (1986) /1981/, (1996)	**Ley**, **Ley96**[1)]	Germany outside 49.6˚N-54.8˚N, 9.5˚E-15.5˚E adjacent parts of Switzerland, Austria and France
Germany, central part	Grünthal (1988) /1984/, (1991) /1991/	**Gru, Gru91**	catalogued area 49.6˚N-54.8˚N, 9.5˚E-15.5˚E, i.e., including parts of Germany, the Czech Republic (CZ) and Poland (PL)
Hungary	Zsíros et al. (1990) /1986/, Zsíros (1994)	**Zsi, Zsi94**	Hungary (H) The Czech Republic, Poland, Ukraine (UA), Bosnia and Serbia

cont'd

Country / area	Main local catalogue /year of last entry in the Databank, if before 1993/	Catalogue notation	Polygons associated with the local catalogue (with notation)
Iceland	Halldorsson (1997) /1990/	**IMO**	North Atlantic Ocean and Iceland
Italy	Camassi and Stucchi (1996) /1980/	**NT4.1**	Italy (I) France
The Netherlands	Houtgast (1995) /1992/	**Hou**	The Netherlands (NL)
North Atlantic Ocean (selection from world-wide data base)	Global Hypocenter Data Base, CD version 2.0 (1996) /1990/	**NEIC**	North Atlantic Ocean and Iceland
Poland	Pagaczewski (1972) /1996/	**Pag**	Poland The Czech Republic
Romania	Oncescu et al. (1999)	**Onc**	Romania (RO) Ukraine, Bosnia and Serbia, Moldavia (MD)
Slovakia	Labak (1998)	**Lab**	Slovakia (SK) The Czech Republic, Poland
Slovenia	Živčic (1993) /1981/	**ZivS**	Slovenia Croatia
Southern Baltic Sea	Wahlström and Grünthal (1994) /1984/	**WG**	Fennoscandia etc.
Switzerland	Mayer-Rosa and Baer (1992) /1992/	**SED**	Switzerland adjacent parts of Germany, Austria, France
United Kingdom	Musson (1994)	**Mus**	United Kingdom etc. Belgium and Luxemburg
The former USSR	Kondorskaya and Shebalin (1982) /1974/	**KSh**	Ukraine, Moldavia

[1)] Before 1982 **Ley96** is given when the corresponding **Ley** entry is revised.

The Italian catalogue (Camassi and Stucchi, 1996) is special in that dependent earthquakes (in time and space) are excluded. Therefore, fore- and aftershocks in Italy are not included in the Catalogue.

Besides local catalogues, 30 special studies contribute seismicity data to the Catalogue. These studies, the majority of which apply to events in Germany, yield new information on source parameters compared to the local catalogues. Many more special studies contribute data to the Databank. Future updates of the Databank should include not only the prolongation in time of the local catalogues but also information from further special studies. Table 1b lists special studies used, including the 30 contributing data to the Catalogue, those identifying fake events (Section *4.1*) and those from which data for some of the regressions are taken (Section *5.2*).

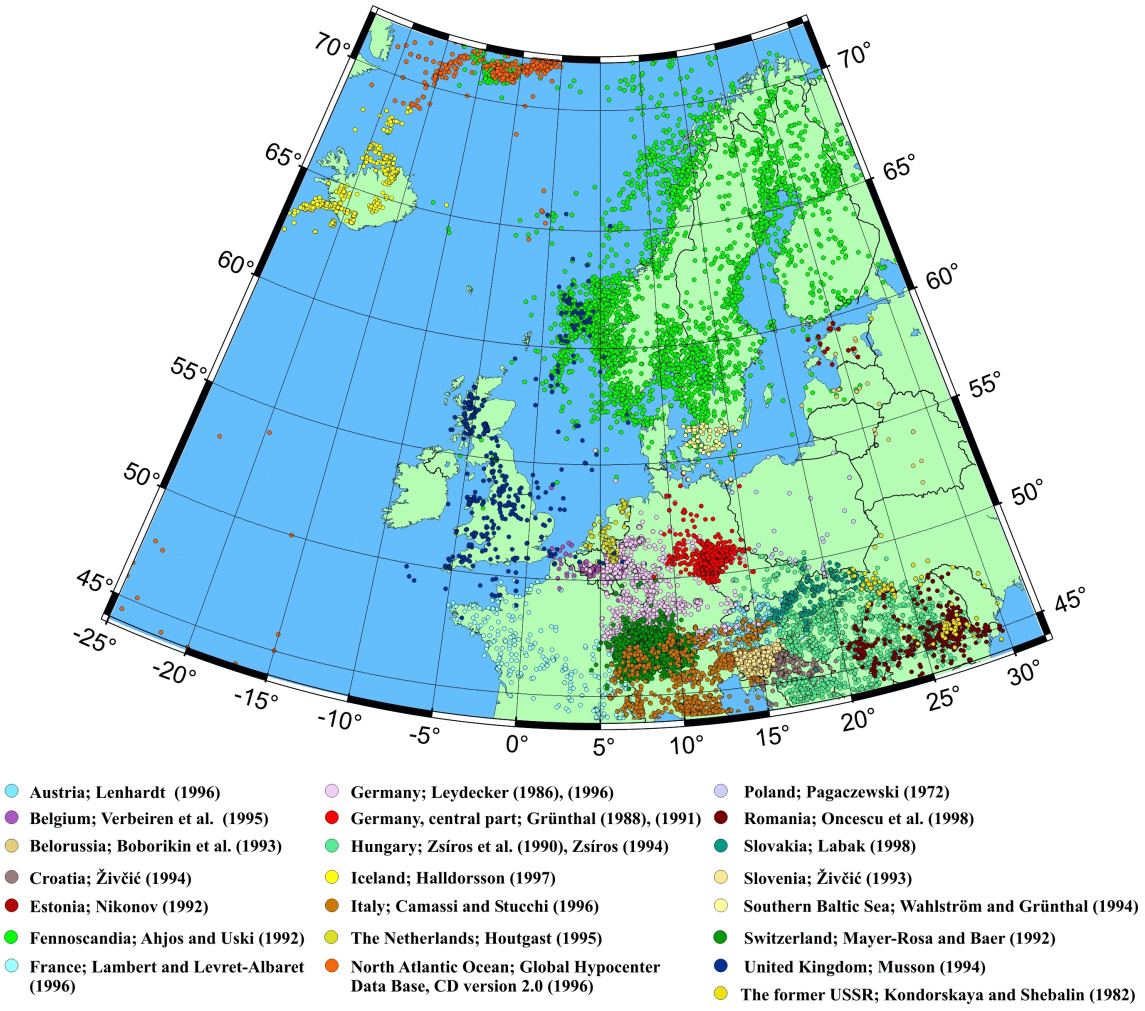

Figure 1 Original epicentres from the 25 local catalogues used in this study. There are about 37,000 points plotted in the selected area, but one event can be represented by more than one point (i. e., be listed by more than one catalogue). No discrimination has been done as to event type or size.

3. Areal data selection

The investigated area is subdivided into 21 polygons, geographical regions in general following national borders (Table 2; Figure 2). One or a few local catalogues are associated with a given polygon, i. e., only entries in the Databank with certain local catalogue - polygon combinations, specified in Tables 1a and 2, qualify for the Catalogue. If more than one local catalogue contribute entries to the Databank for an earthquake, the priority scheme in Table 2 decides which one should be included in the Catalogue. Sometimes, this selection can be complicated - see Section *4.2*. Special studies are usually given

Table 1b. Special studies.

Special study	Catalogue notation
Ahorner, L., pers. communic.	*Aho*
Alexandre (1994)	*Alx94*
Ahorner and Pelzing (1983)	*AP83*
Arvidsson et al. (1991)	*Arv91*
Arvidsson et al. (1992)	*AWK92*
Bonjer et al. (1990)	*BFA90*
Bonamassa et al. (1984)	*Bon84*
Brüstle (1985)	*Bru85*
Bachmann and Schmedes (1993)	*BS93*
Camelbeeck et al. (1994)	*Cam94*
Console and Rovelli (1985)	*CR85*
Fischer and Grünthal (1996)	*FG96*
Fischer et al. (2001)	*FGS01*
Grosser et al. (1986)	*GBK86*
Gutdeutsch et al. (1987)	*Gdt87*
Grünthal and Fischer (1998)	*GF98*
Grünthal and Fischer (1999)	*GF99*
Grünthal and Fischer (2001)	*GF01*
Grünthal and Fischer (2002)	*GF02*
Grünthal et al. (1999b)	*GFV99*
Grässl et al. (1984)	*GGG84*
Gutdeutsch et al. (1999)	*GHK99*
Grünthal and Meier (1995)	*GM95*
Grünthal et al. (1998)	*GML98*

Special study	Catalogue notation
Grünthal, G., (renewed analysis)	*GruRA*
Grünthal (1988)	*Gru88*
Grünthal (1989)	*Gru89*
Grünthal and Schwarz (2001)	*GS01*
Haessler et al. (1980)	*Hae80*
Hammerl and Lenhardt (1997); Lenhardt, W., pers. communic.	*HL97*
Kunze (1986)	*Kun86*
Langer (1986)	*Lan86*
Lenhardt, W., pers. communic.	*Len*
Leydecker, G., pers. communic.	*LeyP*
Meidow (1995)	*Mei95*
Meidow (2001)	*Mei01*
Meier and Grünthal (1992)	*MG92*
Neunhöfer and Grünthal (1995)	*NG95*
Oncescu et al. (1994)	*OCM94*
Prinz et al. (1994)	*PHW94*
Schneider, G., pers. communic.	*Sch*
Scherbaum and Stoll (1983)	*SS83*
Strauch (1989)	*Str89*
Vogt and Grünthal (1994)	*VG94*
Vogt (1984)	*Vog84*
Vogt (1991)	*Vog91*
Vogt (1993a,b)	*Vog93a,b*

higher priority than local catalogues. If only non-associated original sources list an earthquake, e. g., an event in the Italian polygon (I) is given only in catalogues (one or more) other than the Italian, then this event does not at all enter the Catalogue.

In the border regions of the polygons of Germany, Austria and Switzerland - the so-called D-A-CH countries - the priority schedule is not strictly followed. Here, entries from the catalogues of Leydecker (1986, 1996), Lenhardt (1996) and Mayer-Rosa and Baer (1992) were selected for the Catalogue irrespective of which polygon they are located in. D-A-CH was a test area introduced in the GSHAP study (Grünthal et al., 1998).

The catalogue for France (Lambert and Levret-Albaret, 1996) lists only earthquakes with well constrained solutions. This makes it rather incomplete compared to the catalogues from the neighbouring countries and since these have some overlap in France they are

Table 2. Polygons and the hierarchy of local catalogues to which they are associated.

Polygon	Country / area	Original sources
A	Austria	**ZAMG**
AOI	North Atlantic Ocean and Iceland	**IMO → NEIC → FEN**
BL	Belgium and Luxemburg	**ORB → Mus**
BS	Bosnia and Serbia	**ZivC → Onc → Zsi, Zsi94**
BY	Belorussia	**Bob**
CH	Switzerland	**SED**
CRO	Croatia	**ZivC → ZivS**
CZ	Czech Republic	**Lab → Gru, Gru91 → Zsi, Zsi91 → Pag**
D	Germany	**(Ley96 → Ley), Gru, Gru91 → ORB**
F	France	**LLA → SED → Ley96 → Ley → ORB → Nt4.1 → Mus**
FEN	Fennoscandia, Balticum, Kola Peninsula and adjacent waters	**FEN → Nik → Bob → WG**
H	Hungary	**Zsi, Zsi94**
I	Italy	**NT4.1**
MD	Moldavia	**Onc → KSh**
NL	The Netherlands	**Hou, Hou01**
PL	Poland	**Pag → Gru, Gru91 → Lab → Zsi, Zsi94**
RO	Romania	**Onc**
SK	Slovakia	**Lab**
SLO	Slovenia	**ZicS → ZivC**
UA	Ukraine	**KSh → Zsi, Zsi94 → Onc**
UK	United Kingdom, Ireland and adjacent waters	**Mus → LLA → ORB**

Falling order in the hierarchy is indicated with "→" and similar order with ",".

also associated with the French polygon, in the order given in Table 2. The incompleteness of the French catalogue is the reason why the British catalogue of Musson (1994) is preferred for the English Channel. The British polygon is thus extended to cover the area of the whole Channel (see Figure 2). However, the French and the Belgian (Verbeiren et al., 1995) catalogues remain as associated references of lower priority for the British polygon (see Table 2) and are used for a few events for which the British catalogue has no data.

In an analogous way to the French data, several catalogues are associated and ranked for Poland and the Czech Republic, since modern domestic earthquake lists for these countries could not be used in the present study.

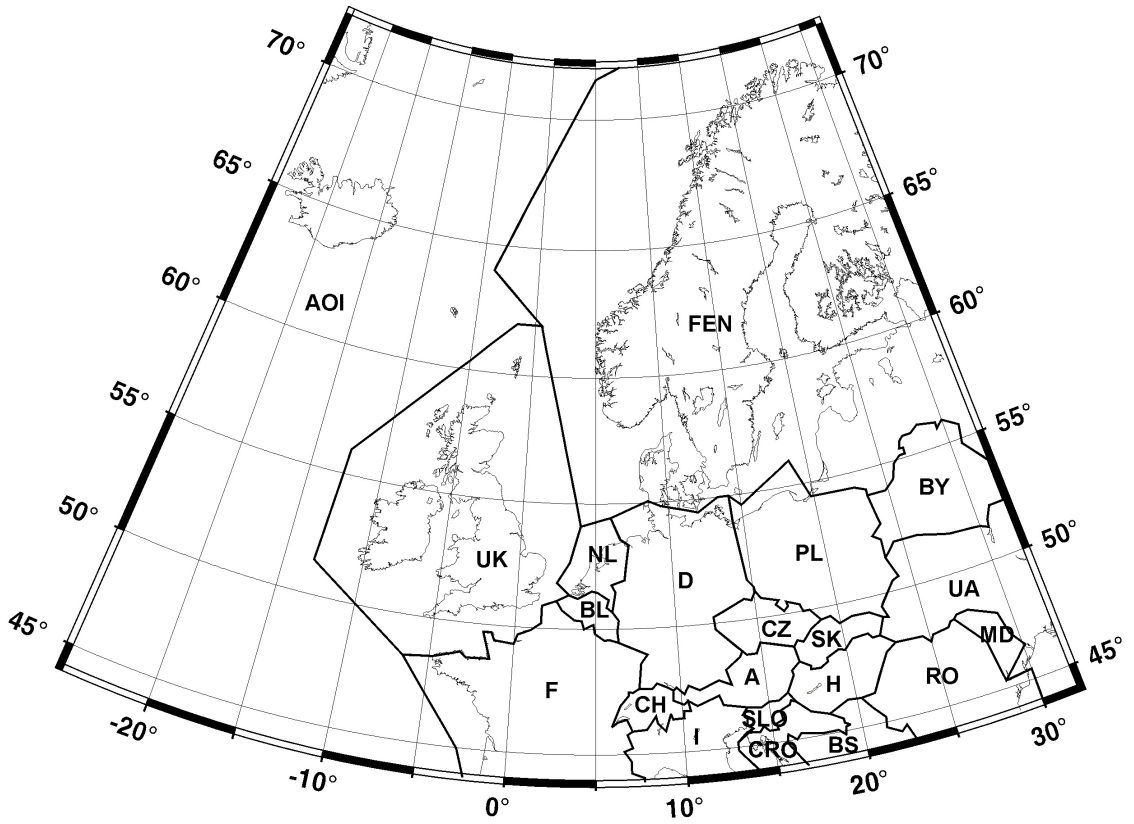

Figure 2 The polygons.

4. Data cleaning

The Catalogue contains parameter values from the original catalogues to the greatest possible extent. Only events with a location and a measure of the strength (intensity or magnitude) corresponding to $M_w \geq 3.50$ enter the Catalogue. Several suspected erroneous entries have been rejected. Obvious errors, e. g., in the dates or locations, detected in several catalogues have been corrected. Inadequacies like "February 29" in non leap years, "April 31", etc. have been adjusted to "February 28", "April 30", etc. The hour "24" has been consistently changed to "00" of the next day and the minute or second "60" to "00" of the next hour or minute, respectively. Some important "cleaning" procedures are described below.

4.1 Non-tectonic and fake events

Entries of the Databank identified as belonging to other types of events than tectonic earthquakes are not included in the Catalogue. The non-tectonic character (rockburst, collapse, explosion, etc.) is normally identified in the respective local catalogues. A number of events are reinterpreted as fake "earthquakes". These are events which have

either been moved both in time by more than one year and location by more than 100 km and/or where the intensity has changed by at least one degree. The corrected solutions for these events are given in the Catalogue. Events for which single parameters have been only slightly changed are not classified as fake. Events whose origin is classified as non-seismic do not enter the Catalogue. The authors notably came across studies revealing fake events for German "earthquakes". The detected fake events and the sources revealing them are listed in Table 3. Events identified as fake already in an original local catalogue are not included in the table. The different types of fake events, i. e., hoax, storm, collapse, mixture with other event or large deviation in time/distance/intensity, are specified in Table 3.

Table 3. Revealed fake events according to special studies.

Time of event					Special study	Event classification
year	mo	day	h	min		
1323					*GruRA*	mixture with other event
1346					*GruRA*	mixture with other event
1348					*GML98*	mixture with other event
1410	08	23	22		*GM95*	wrong time, place and size
1412	11	28			*GM95*	storm
1445	02	15			*GFV99*	non-seismic collapse of houses
1471	05				*GF01*	non-seismic collapse of houses
1558	05	17			*FG96*	storm
1591					*GF01*	mixture with other events
1593	02	06			*GF01*	storm
1595	06				*GF99*	wrong time and place
1670	04	12	02	30	*GF01*	non-seismic collapse of houses
1690	11	24	15	15	*GF01*	mixture with other event
1693	12	26	13		*Gru88*	mixture with other event
1755	12	09	09	30	*GF01*	mixture with other event
1789	05	17			*GruRA*	mixture with other event
1822	02	07	23		*BS93*	hoax
1838	03	16			*FG96*	hoax
1871	02	16			*GHK99*	mixture with other event
1876	10	31	11	50	*GruRA*	hoax
1904	02	11	20	30	*LeyP*	hoax

4.2 Duplicates

As mentioned in Chapter 3, the scheme in Table 2 decides which entry should enter the Catalogue if more than one source in the Databank lists an event. In general, the polygons follow national borders and the top priority is given to a domestic catalogue. An entry in a special study published later than a local catalogue has higher priority than the catalogue entry.

The selection of an entry for the Catalogue must be preceded by an identification of what entries in the Databank are associated with this event. This is not always trivial, since the precision of time and location is low for many historical earthquakes. As examples, (1) only the year is given in one catalogue but the exact date (or any other closer specification) in another catalogue, (2) entries have different local times (hours) and there are mixtures between local time and GMT, (3) the locations for two or more simultaneous entries show a significant difference, sometimes matched by a difference in intensity. In such and similar cases, it may be hard to conclude if one or more earthquakes have taken place. The large number of local catalogues used in the present study makes the introduction of a deterministic schedule for the identification of duplicates based on deviations in time and location inexpedient. Instead, a thorough manual inspection was made for the identification and for the selection of the proper entries to the Catalogue in a consistent way.

Table 4. Duplicates in the Databank with respect to Julian vs. Gregorian times. Only sources referred to in the Catalogue are included. Entries to the Catalogue have the dates marked in bold.

Origin time					Local catalogue or special study
year	mo	day	h	min	
1590	09	05			**ZivC**
1590	09	15			**Ley**
1590	09	15			**Lab**
1590	**09**	**15**	**17**		**ZAMG**
1590	09	15	17		*Gdt87*
1642	06	03	21	30	**SED**
1642	**06**	**13**	**22**		**NT4.1**
1669	09	30	12	45	**Ley**[1)]
1669	**10**	**10**	**00**	**45**	**Ley**[1)]
1670	07	06	01		**SED**
1670	**07**	**17**	**01**	**15**	**ZAMG**
1670	07	17	02		**Ley**
1670	07	17	02		**NT4.1**

[1)] **Ley** reference is made to different sources.

Origin time					Local catalogue or special study
year	mo	day	h	min	
1695	02	15	05		**SED**
1695	**02**	**25**	**05**	**30**	**NT4.1**
1714	**01**	**13**	**21**	**30**	**ORB**
1714	01	13	22		**Hou**
1714	01	23	22		**Ley**
1714	01	31	22[2)]		*Mei95*
1732	**08**	**09**			**NT4.1**
1732	08	19			**SED**

[2)] Date error.

4.3 Different calendars

A special type of duplicate for historical earthquakes is due to the mixed use of the Julian and Gregorian calendars by different sources, sometimes even within the same catalogue. The new calendar was introduced by Pope Gregor XIII in October 1582 and was adopted in this year in Italy (with some exceptions) and on the Iberian peninsula. The other countries concerned in this study switched to the Gregorian calendar in quite different years

and the period over which the changes were made is stretched out over many centuries up to 1924 (Romania). No detailed investigation is made in this study of what catalogue uses what time frame over what period. If entries separated by some 10 days in time can be identified as probably referring to one and the same event, then the priority scheme in Table 2 decides which one should enter the Catalogue and this is listed with Julian or Gregorian time as given by the local catalogue. Duplicates of this kind in the Databank are listed in Table 4.

5. Magnitude assessment and conversion

5.1 Hierarchy for calculating M_w

Seismic hazard calculations are currently based mostly on M_w magnitudes, which, unlike other magnitude concepts, do not saturate for strong events. Most strong motion relations refer to M_w. Therefore, M_w is also used by the present Catalogue. Where M_w or the seismic moment, M_0, is provided by the original source, these concepts are used, M_0 being converted to M_w using the Hanks and Kanamori (1979) relation (Section *5.2.1.1*). Where M_w or M_0 is not given, an algorithm is followed to select the magnitude type or macroseismic data from which M_w should be calculated. A detailed hierarchy scheme specifying which strength concept(s) to base the calculations on for the different catalogues is given as Table 5. For the special studies, M_w is calculated according to Table 5 based on the location of the event. In the special studies giving M_w, this has been computed from formulae given by Ahorner (1983) or Johnston (1996b).

For the majority of the catalogues, M_L and/or I_0 are the only original strength concepts given. Where both occur, M_L is given priority. For the historical time, many catalogues give only macroseismic data. Therefore, we are confined to this type of data for the M_w calculations of a lot of earthquakes. Special attention is paid to these calculations (Section *5.2.2*).

For Fennoscandia, several original concepts exist (Ahjos and Uski, 1992) and we rank them in the order M_L, M_S, m_b, I_0 and M_c. The coda magnitude, M_c, has been calibrated with M_L. Other catalogues providing other magnitudes than M_L are the Global Hypocenter Data Base, CD version 2.0 (1996) for the North Atlantic Ridge and Ocean, with M_S and/or m_b, Camassi and Stucchi (1996) for Italy, M_S, Labak (1998) for Slovakia and Lenhardt (1996) for Austria, both of which give M_S or M_L, and Verbeiren et al. (1995) for Belgium, M_S and/or M_L.

Details of the priority settings are given in Table 5. Since the hierarchy of the strength concepts, i. e., magnitude types and/or epicentral intensity, is subordinated to that of selecting the original source for the Catalogue (Table 2), only concepts occurring in the associated local catalogue - polygon combinations are listed in Table 5.

Table 5. Hierarchy of calculation of M_w for the different local catalogues and special studies. The default value for h is 10 km, if not specified otherwise. Equation notations *(1)-(7)* are from Chapter 5.

Local catalogue or special study Priority / Original concept / Algorithm[1] / *(Eq. notation)*[2]
Local catalogues
Ahjos and Uski (1992)
1. M_L: Eq. *(3)* 2. M_S: Eq. *(4)* 3. m_b: Equations *(7)* & *(2)* 4. Macroseismic data: $M_L = 0.88(\pm0.09)\ I_0 + 0.64(\pm0.25)\ \log h - 1.52(\pm0.45)$ / GFZ; N = 101; $\sigma = 0.33$ / *(FEN) Figure 8c* + Eq. *(3)* 5. M_c: $M_L = M_c$ + Eq. *(3)*
Boborikin et. al. (1993)
1. Macroseismic data: Equations *(FEN)* & *(3)*
Camassi and Stucchi (1996)
1. M_S: Equations *(5.1)* / *(5.2)* where M_S is M_S, M_S0100; M_S0110 or M_S0120, corresponding to O, C, M and G, respectively, in Camassi and Stucchi (1996), p. IX
Global Hypocenter Data Base, CD version 2.0 (1996)
1. M_S: Eq. *(4)* 2. M_b: Equations *(6.2)* / *(6.3) Figure 5* + Eq. *(4)*
Grünthal (1988, 1991), Leydecker (1986, 1996)
1. M_L: Eq. *(1)* 2. Macroseismic data: $M_L = 0.74(\pm0.05)\ I_0 + 0.78(\pm0.23)\ \log h - 0.87(\pm0.36)$ / GFZ; N = 145; $\sigma = 0.39$ / *(GER) Figure 8d* + Eq. *(1)* 3. M_{Ii}: $M_L = M_{Ii} + 0.65$ (Grünthal, 1988) + Eq. *(1)*
Halldorsson (1997)
1. M_L: $\log(M_0) = 1.3M_L + 10.5$ (K. Agustsson, personal communication) + Eq. *(2)* with $\log M_0 + 7$ (conversion from Nm to dyn cm)
Houtgast (1995)
1. M_L: Eq. *(1)* 2. Macroseismic data: $M_L = 0.77(\pm0.07)\ I_0 + 0.43(\pm0.32)$ / GFZ; N = 12; $\sigma = 0.21$ / *Figure 8e* + Eq. *(1)*
Kondorskaya and Shebalin (1982)
1. Macroseismic data: Equations *(FEN)* & *(3)*

[1] GFZ denotes that a M_L vs. I_0 regression has been performed in the present study, with N number of data points and σ standard deviation.

[2] Introduced for equations with repeated occurrence in the table.

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Local catalogue or special study Priority / Original concept / Algorithm / *(Eq. notation)*
Local catalogues
Labak (1998)
1a. M_L: Eq. *(1)*; beside the original M_L, the M_M type 5 is considered original M_L, i.e., $M_L = M_M$ is set [All events with NMAG = 4 are located outside Slovakia]
1b. M_S: $M_S = M_M$ is set for NMAG = 1, 2 and 3 (Labak, personal communication), these are to be considered original M_S + Eq. *(4)*
2. Macroseismic data: $M_S = 0.55\ I_0 + 0.95$, which is the most frequently used M_M formula by Labak (1998), corresponding to NMAG = 1 + Eq. *(4)*
Lambert and Levret-Albaret (1996)
1. Macroseismic data: $M_L = 0.44\ I_0 + 1.48 \log h + 0.48$ (Levret et al. 1994), region-specific h used when no depth given +Eq. *(1)*
Lenhardt (1996)
1a. M_S: Eq. *(4)* 1b. M_L: Eq. *(1)*
Mayer-Rosa and Baer (1992)
1. ML: Eq. *(1)* 2. Macroseismic data: $M_L = 0.74(\pm0.09)\ I_0 + 0.14(\pm0.42)$ / GFZ; N = 53; $\sigma = 0.39$ / *Figure 8f* + Eq. *(1)*
Musson (1994)
1. M_L: Eq. *(1)*
Nikonov (1992)
1. Macroseismic data: Equations *(FEN)* & *(3)*
Oncescu et al. (1998)
1. M_w given for all events
Pagaczewski (1972)
1. Macroseismic data: Equations *(GER)* & *(1)*
Verbeiren et al. (1995)
1. M_L: Eq. *(1)* 2. Macroseismic data: $M_L = 0.77(\pm0.07)\ I_0 + 2.02(\pm0.48) \log h - 2.25(\pm0.67)$ / GFZ; N = 15; $\sigma = 0.24$ / *Figure 8a* + Eq. *(1)*
Wahlström and Grünthal (1994)
1. M_L: Eq. *(3)* 2. Macroseismic data: Equations *(FEN)* & *(3)*
Živčić (1993)
1. M_L: Eq. *(1)* 2. Macroseismic data: $M_L = 0.494\ I_0 + 1.27 \log h + 0.09$ (Živčić et al., 2000) + Eq. *(1)*

cont'd

Local catalogue or special study Priority / Original concept / Algorithm / *(Eq. notation)*
Local catalogues
Živčić (1994) 1. M_L: Eq. *(1)* 2. Macroseismic data: $M_L = 0.70(\pm0.07)\ I_0 + 1.09(\pm0.28)\ \log h - 1.14(\pm0.56)$ / GFZ; N = 39; $\sigma = 0.33$ / *Figure 8b*
Zsíros et al. (1990), Zsíros (1994) 1. M_L: Eq. *(1)*, with $M_L = M_M$ set 2. Macroseismic data: $M_L = 0.6\ I_0 + 1.8 \log h - 1.0$ (Zsíros, 1983 - after Gutenberg and Richter, 1942 on recommendation from T. Zsíros) + Eq. *(1)*
Special studies
Where M_w does not exist, it is calculated from available formulae for the polygon in which the event is located.

5.2 Original and calculated M_w

Although M_w is given for each entry of the Catalogue, the vast majority of the values are not from the original catalogues but had to be derived from other magnitude concepts or from macroseismic parameters. Exceptions are the M_w based Romanian catalogue (Oncescu et al., 1999) and many special studies giving M_w or M_0 values. Different measures of the event strength are given by different sources (Section *5.1*). Existing local formulae for the conversions to M_w are used in the first place. Lacking such formulae, the conversion routines below are followed. The full algorithm for the calculation of M_w for various catalogues and from various magnitude types and/or macroseismic parameters is given in Table 5.

5.2.1 M_w from instrumentally determined magnitudes

5.2.1.1 M_L

M_L is by far the most frequent magnitude concept in the Databank. For many earthquakes, it is the only magnitude given. The well constrained relation

$$M_w = 0.67(\pm0.11) + 0.56(\pm0.08)\ M_L + 0.046(\pm0.013)\ M_L^2 \qquad (1)$$

derived in this study by chi-square maximum likelihood regression is based on 164 earthquakes in central Europe with original seismic moment data (Table 6; Figure 3). The second order structure gives an improved fit for small and large magnitudes compared to a linear fit. The technique to fit measured data with known or assumed statistical errors to a given model is described in detail by Stromeyer et al. (2003). The chi-square maximum likelihood regression is preferred over the frequently used orthogonal maximum likelihood procedure since the data points can have their own error distribution in the former method.

This method is also useful when the measurement errors are not normally distributed. Eq. *(1)* is applied to many catalogues in the present study (Table 5).

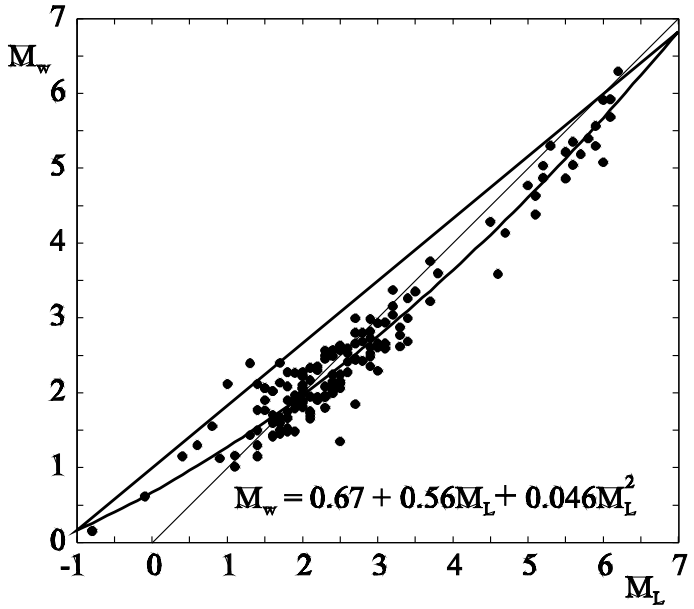

Figure 3 Input data and M_w vs. M_L chi-square maximum likelihood regression curve for central Europe, eq. *(1)*. Data from 164 events (Table 6). The $M_w = M_L$ line is drawn for comparison.

The M_w values used for derivation of eq. *(1)* are calculated from the seismic moment (in dyn cm) using the relation of Hanks and Kanamori (1979)

$$M_w = 2/3 \log(M_0) - 10.7 \qquad (2)$$

As a local magnitude scale, the M_L-scale is different for different catalogues and this is a factor of uncertainty in the applicability of eq. *(1)*. However, the errors of the coefficients of the equation are small, although derived from data from many sources, and equations *(1)* and *(2)* are applied for all events with original or calculated M_L, where no local formulae are available.

Modifying a linear relation by Kim et al. (1989), Wahlström and Grünthal (2000) derived a quadratic M_w-M_L relation for Fennoscandia

$$M_w = 1.2 + 0.28\ M_L + 0.06\ M_L^2 \qquad (3)$$

Eq. *(3)* is used also for the structurally similar parts of eastern Europe east of the Tornqvist-Teisseyre zone (Nikonov, 1992, Boborikin et al., 1993 and Kondorskaya and Shebalin, 1982 catalogues and eastern Poland).

The non-linear behaviour of equations *(1)* and *(3)* has been discovered also in several studies for North America, e. g., by Bollinger et al. (1993), Hasegawa (1983), Nuttli (1983), Street et al. (1975) and Uhrhammer et al. (1996) and is ascribed to the intrinsic

character of M_L. Figure 4 shows a comparison of eq. *(1)*, eq. *(3)* and two of the North American relations. There is fair agreement between the M_w-M_L relations for central Europe (this study), Fennoscandia and North America, although the relation for Fennoscandia gives lower M_w values than the others for $M_L \geq 4$. A formula by K. Agustsson (personal communication) to calculate M_0 from M_L is used for events in the Icelandic catalogue (Table 5; Halldorsson, 1997).

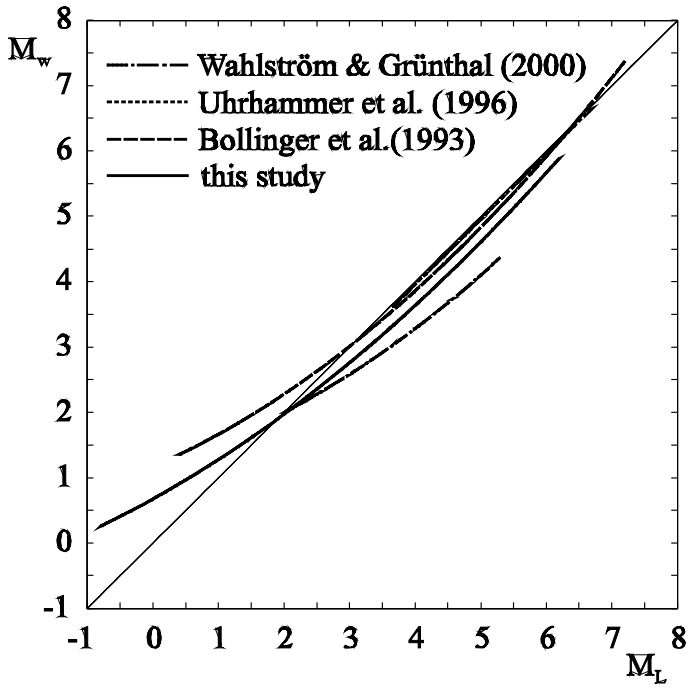

Figure 4 Comparison of M_w-M_L curves for different data sets:
Bollinger et al. (1993) for western United States: $M_w = 1.17 + 0.436\ M_L + 0.059\ M_L^2$; the original Bollinger et al. (1993) curve is a log(moment) vs. M_L plot which we have converted using eq. *(2)*. Uhrhammer et al. (1996) for California: $M_w = -0.050 + 0.997\ M_L$. Present study for central Europe, eq. *(1)*. Wahlström and Grünthal (2000) for Fennoscandia, eq. *(3)*. Each curve is plotted within its respective range of input M_L data and the $M_w = M_L$ line is drawn for comparison.

5.2.1.2 M_S

Only 19 of the earthquakes with original M_0 data (Table 6) have M_S magnitudes, preventing a meaningful regression with the two concepts. M_S magnitudes need to be converted to M_w in the catalogues for Fennoscandia (Ahjos and Uski, 1992), the North Atlantic Ocean (Global Hypocenter Data Base, CD version 2.0, 1996), Austria (Lenhardt, 1996), Italy (Camassi and Stucchi, 1996) and Slovakia (Labak, 1998). For all but Camassi and Stucchi (1996), we found the equality

$$M_w = M_S \qquad (4)$$

reflecting the original intention with the M_w concept to be a good approximation. This

Table 6. Events with original M_0 data in the study area used for the derivation of eq. *(1)*.

year	note	mo	day	h	min	lat °N	lon °E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1911		11	16	21	25	48.22	9	**Ley**	3.8e+24	*Kun86*	6.1	*Kun86*	7.9e+05	**Ley**	8	**Ley**
1913		7	20	12	6	48.23	9.01	**Ley**	4.1e+23	*Kun86*	5.6	*Kun86*	2.0e+05	**Ley**	7	**Ley**
1935		6	27	17	19	48.04	9.47	**Ley**	1.4e+24	*Kun86*	5.8	*Kun86*	7.9e+05	*Kun86*	7.5	**Ley**
1943		5	2	1	8	48.27	8.98	**Ley**	2.2e+23	*Kun86*	5.5	*Kun86*	4.4e+05	**Ley**	7	**Ley**
1943		5	28	1	24	48.27	8.98	**Ley**	1.2e+24	*Kun86*	5.6	*Kun86*	7.4e+05	**Ley**	8	**Ley**
1951		3	14	9	46	50.63	6.72	**Ley**	4.7e+23	*Kun86*	6	*Kun86*	2.1e+05	**Ley**	7.5	**Ley**
1955		5	22	4	57	47.3	11.4	**Ley**	9.1e+22	*Sch*			3.1e+04	**Ley**	6.5	**Ley**
1967		1	29	0	12	47.9	14.3	**ZAMG**	5.2e+22	*Sch*			8.6e+04	*Sch*	6.5	*Sch*
1969		2	26	1	28	48.29	9.01	**Ley**	4.2e+22	*Kun86*	5.1	*Kun86*	9.6e+04	**Ley**	7	**Ley**
1970		1	22	15	25	48.28	9.03	**Ley**	2.3e+23	*Kun86*	5.2	*Kun86*	1.7e+05	**Ley**	7	**Ley**
1971		9	29	7	18	47.1	9	**Ley**	3.0e+22	*Sch*	4.5	**Ley**	9.1e+04	**Ley**	7	**Ley**
1976		5	6	20	0	46.23	13.07	**NT4.1**	3.1e+25	*Bon84*	6.2	*Bon84*	1.5e+06	*Sch*	9.5	**NT4.1**
1976		5	11	22	44	46.29	12.99	*CR85*	1.0e+24	*Bon84*	5.3	*Bon84*				
1976		9	11	16	31	46.29	13.18	*CR85*	7.5e+23	*Bon84*	5.5	*Bon84*				
1976		9	11	16	35	46.3	13.19	*CR85*	2.5e+24	Bon84	5.9	*Bon84*				
1976		9	15	3	15	46.3	13.19	*CR85*	8.5e+24	Bon84	6.1	*CR85*				
1976		9	15	4	38	46.29	13.13	*CR85*	1.6e+23	*Bon84*	5	*Bon84*				
1976		9	15	9	21	46.34	13.12	*CR85*	8.3e+24	*Bon84*	6	*Bon84*				
1977		9	16	23	48	46.28	12.98	*CR85*	4.0e+23	*Bon84*	5.2	*Bon84*				

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year	note	mo	day	h	min	lat °N	lon °E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1978	[1]	9	3	5	8	48.28	9.03	**Ley**	6.8e+23	[1]	5.7	**Ley**	3.4e+05	**Ley**	7.5	**Ley**
1978	[2]								[2]	*SS83*	[2]	*SS83*				
1980		7	15	12	17	47.67	7.48	**Ley**	1.8e+22	*Sch*	4.7	**Ley**			6.5	**Ley**
1981		12	20	10	38	50.86	5.84	**Hou**	3.5e+20	*AP83*	2.7	**Hou**				
1982		2	20	4	35	51.35	12.44	**Gru**	2.0e+20	*GGG84*					5	**Gru**
1982		2	24	5	15	51.35	12.44	**Gru**	1.7e+19	*GGG84*	1.4	**Gru**				
1982		3	2	1	27	51.02	5.83	**Hou**	1.2e+21	*AP83*	3.5	**Hou**	3.8e+03	**Hou**	4	**Hou**
1982		5	22	6	0	51.02	6	**Hou**	4.9e+21	*AP83*	3.7	**Hou**	3.1e+04	**Hou**	4.5	**Hou**
1982		11	28	4	34	48.3	9.04	*Lan86*	7.6e+20	*Lan86*	3.7	*Lan86*				
1982		11	28	4	36	48.3	9.04	*Lan86*	4.7e+19	*Lan86*	2.6	*Lan86*				
1983		2	19	18	42	48.34	8.96	*Lan86*	9.5e+18	*Lan86*	2.1	*Lan86*				
1983		2	19	18	43	48.34	8.96	*Lan86*	2.0e+18	*Lan86*	1.4	*Lan86*				
1983		3	23	22	27	48.34	8.95	*Lan86*	6.9e+19	*Lan86*	2.9	*Lan86*				
1983		3	27	5	8	48.34	8.95	*Lan86*	9.3e+19	*Lan86*	2.9	*Lan86*				
1983		5	5	14	28	48.34	8.96	*Lan86*	4.9e+19	*Lan86*	2.8	*Lan86*				
1983		5	11	13	11	48.34	8.96	*Lan86*	9.9e+18	*Lan86*	1.9	*Lan86*				
1983		5	11	14	14	48.34	8.96	*Lan86*	5.2e+19	*Lan86*	2.7	*Lan86*				
1983		9	11	11	48	48.32	9.04	*Lan86*	3.5e+20	*Lan86*	3.4	*Lan86*				

[1] Seismic moment is the average of *Bru85*, *Hae80* and *Kun86*.

[2] Data from 58 aftershocks in September-October 1978, M_L = 1.1-3.4, to the Swabian Jura earthquake 1978-09-03 are included in the M_0-M_L regression. Only data from two of the field stations, NHS (first priority) or BHB, are used, since the other three stations give unreliable spectral data *(SS83)*.

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year	note	mo	day	h	min	lat °N	lon °E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1983		9	14	9	13	48.32	9.04	*Lan86*	8.7e+18	*Lan86*	1.9	*Lan86*				
1983		9	14	10	52	48.32	9.04	*Lan86*	6.8e+19	*Lan86*	1.9	*Lan86*				
1983		9	14	18	25	48.32	9.04	*Lan86*	1.5e+19	*Lan86*	2.3	*Lan86*				
1983		9	15	6	26	48.32	9.04	*Lan86*	1.4e+20	*Lan86*	2.9	*Lan86*				
1983		9	15	13	59	48.34	9.04	*Lan86*	7.0e+18	*Lan86*	1.9	*Lan86*				
1983		10	11	16	49	48.31	9.04	*Lan86*	9.2e+19	*Lan86*	3	*Lan86*				
1983		11	5	14	13	50.81	12.68	**Gru**	4.5e+19	**Gru**	1.7	**Gru**	2.5e+02	**Gru**	4.5	**Gru**
1983		11	8	0	50	50.63	5.5	**Hou**	1.0e+23	*Kun86*	5.1	*Sch*	2.3e+05	**Hou**	7	**Hou**
1983		12	12	11	32	48.36	9.19	*Lan86*	1.1e+20	*Lan86*	3.1	*Lan86*				
1984		1	3	15	28	48.25	9.05	*Lan86*	2.6e+19	*Lan86*	2.5	*Lan86*				
1984		1	26	17	15	48.37	9.02	*Lan86*	1.1e+20	*Lan86*	3	*Lan86*				
1984		2	25	19	5	48.29	9.04	*Lan86*	1.6e+19	*Lan86*	2.4	*Lan86*				
1984		3	21	1	7	48.34	9.2	*Lan86*	1.4e+19	*Lan86*	2	*Lan86*				
1985	[1]	12	14	9	50	[1]	[1]	*GBK86*	8.0e+18	*GBK86*	1.8	*GBK86*				
1985		12	16	15	26				1.4e+19	*GBK86*	1.5	*GBK86*				
1985		12	17	21	42				3.6e+19	*GBK86*	2.1	*GBK86*				
1985		12	20	16	36				6.1e+20	*GBK86*	3.2	*GBK86*				
1985		12	21	10	16	50.22	12.46	*Str89*	2.7e+21	*GBK86*	4.6	*Str89*	2.0e+05	*Sch*	7	*Gru89*
1985		12	21	19	23				1.8e+19	*GBK86*	1.7	*GBK86*				

[1] The Vogtland earthquake sequence was limited to a small area - the coordinates for the largest shock, on December 21 at 10:16, apply with good approximation to all listed events in December 1985.

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year	note	mo	day	h	min	lat ˚N	lon ˚E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1985		12	21	20	5				8.1e+19	*GBK86*	2.4	*GBK86*				
1985		12	21	20	6				1.6e+19	*GBK86*	2	*GBK86*				
1985		12	22	4	49				1.2e+20	*GBK86*	2.8	*GBK86*				
1985		12	22	5	2				1.5e+19	*GBK86*	1.8	*GBK86*				
1985		12	22	5	6				1.2e+19	*GBK86*	1.6	*GBK86*				
1985		12	22	5	51				2.0e+19	*GBK86*	2.1	*GBK86*				
1985		12	22	6	23				1.2e+19	*GBK86*	1.6	*GBK86*				
1985		12	22	8	2				5.1e+18	*GBK86*	1.4	*GBK86*				
1985		12	22	9	11				8.0e+19	*GBK86*	2.3	*GBK86*				
1985		12	22	17	31				3.5e+19	*GBK86*	2.1	*GBK86*				
1985		12	23	3	25				2.9e+20	*GBK86*	3.1	*GBK86*				
1985		12	23	4	5				8.7e+19	*GBK86*	2.6	*GBK86*				
1985		12	23	4	27				1.3e+21	*GBK86*	3.2	*GBK86*				
1985		12	23	4	47				1.4e+19	*GBK86*	1.5	*GBK86*				
1985		12	29	15	30				1.0e+20	*GBK86*	2.5	*GBK86*				
1985		12	30	18	40				2.9e+19	*GBK86*	1.8	*GBK86*				
1985		12	30	21	50				3.8e+19	*GBK86*	2.2	*GBK86*				
1985		12	31	1	0				1.2e+19	*GBK86*	1.6	*GBK86*				
1988		8	26	0	30	47.8	7.69	*BFA90*	2.3e+20	*BFA90*	3.3	*BFA90*				

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year	note	mo	day	h	min	lat °N	lon °E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1988	1)	8	26	4	59	1)	1)	*BFA90*	1.9e+16	*BFA90*	-0.8	*BFA90*				
1988	1)	8	26	9	44	1)	1)	*BFA90*	9.5e+16	*BFA90*	-0.1	*BFA90*				
1988		8	28	20	45	47	7	*BFA90*	8.0e+18	*BFA90*	1.5	*BFA90*				
1992	2)	4	13	1	20	51.16	5.95	*Cam94*	1.0e+24	2)	5.9	2)	5.5e+05	*Sch*	7	2)
1992	3)	4	13	2	8	51.17	5.95	*OCM94*	6.2e+19	*OCM94*	2.4	*OCM94*				
1992		4	13	3	3	51.18	5.92	*OCM94*	9.0e+19	*OCM94*	2.5	*OCM94*				
1992		4	13	3	41	51.16	5.98	*OCM94*	8.3e+19	*OCM94*	2.5	*OCM94*				
1992		4	13	3	49	51.17	5.97	*OCM94*	8.8e+20	*OCM94*	3.4	*OCM94*				
1992		4	13	4	37	51.07	6.06	*OCM94*	7.0e+19	*OCM94*	2.6	*OCM94*				
1992		4	13	5	20	51.1	5.99	*OCM94*	2.8e+20	*OCM94*	3	*OCM94*				
1992		4	13	6	2	51.15	5.99	*OCM94*	4.1e+20	*OCM94*	3.2	*OCM94*				
1992		4	13	6	16	51.16	5.99	*OCM94*	1.1e+20	*OCM94*	2.7	*OCM94*				
1992		4	13	6	33	51.16	5.99	*OCM94*	1.8e+20	*OCM94*	2.7	*OCM94*				
1992		4	13	18	34	50.81	6.23	*PHW94*	1.7e+19	*PHW94*	1	*PHW94*				
1992		4	13	18	46	50.84	6.2	*PHW94*	5.5e+17	*PHW94*	0.9	*PHW94*				
1992		4	13	21	50	51.17	6	*OCM94*	3.2e+19	*OCM94*	2.2	*OCM94*				
1992		4	13	22	59	51.15	6.01	*OCM94*	2.4e+19	*OCM94*	2	*OCM94*				
1992		4	14	1	6	50.94	6.17	*PHW94*	2.8e+21	*PHW94*	3.8	*PHW94*				

[1] Location is similar to the other events on this date.

[2] Seismic moment is the average of the values given in *Cam94*.

[3] Several of the Roermond aftershocks with the seismic moments from *OCM94* and *PHW94* have similar determinations by Ahorner (1994).

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year	note	mo	day	h	min	lat °N	lon °E	ref	M_0 dyn cm	ref	M_L	ref	A_{III} km^2	ref	I_0	ref
1992		4	14	1	36	50.82	6.22	*PHW94*	3.4e+20	*PHW94*	2.9	*PHW94*				
1992		4	14	2	31	51.16	6	*OCM94*	6.3e+19	*OCM94*	2.3	*OCM94*				
1992		4	14	12	41	51.17	5.92	*OCM94*	1.8e+20	*OCM94*	2.8	*OCM94*				
1992		4	14	12	56	51.17	5.99	*OCM94*	1.9e+20	*OCM94*	2.9	*OCM94*				
1992		4	15	22	5	50.82	6.23	*PHW94*	5.0e+18	*PHW94*	1.5	*PHW94*				
1992		4	16	0	5	50.83	6.24	*PHW94*	2.4e+18	*PHW94*	0.8	*PHW94*				
1992		4	17	23	56	50.81	6.26	*PHW94*	3.7e+17	*PHW94*	1.1	*PHW94*				
1992		4	20	4	41	51.18	5.97	*OCM94*	2.8e+19	*OCM94*	1.9	*OCM94*				
1992		4	20	7	27	51.15	6	*OCM94*	2.9e+19	*OCM94*	2	*OCM94*				
1992		4	20	16	50	50.81	6.22	*PHW94*	2.5e+19	*PHW94*	2	*PHW94*				
1992		4	24	10	35	51.16	6	*OCM94*	5.4e+19	*OCM94*	2.3	*OCM94*				
1992		4	26	1	45	50.82	6.21	*PHW94*	4.4e+19	*PHW94*	1.3	*PHW94*				
1992		5	2	8	50	51.18	6.01	*OCM94*	8.0e+19	*OCM94*	2.5	*OCM94*				
1992		5	17	9	26	50.89	6.32	*PHW94*	1.4e+19	*PHW94*	2	*PHW94*				
1992		6	8	2	17	50.85	6.22	*PHW94*	1.0e+18	*PHW94*	0.6	*PHW94*				
1992		6	25	16	48	50.97	6.1	*PHW94*	1.2e+18	*PHW94*	2.5	*PHW94*				
1992		8	22	2	46	50.81	6.24	*PHW94*	6.0e+17	*PHW94*	0.4	*PHW94*				

equality has recently been confirmed empirically for central and northern Europe by Bungum et al. (2003). For the more southern part of Europe, transformation formulae proposed by Bungum et al. (2003)

$$M_w = 0.769\ M_S + 1.280 \qquad \text{for } M_S \geq 5.4 \qquad (5.1)$$

$$M_w = 0.585\ M_S + 2.422 \qquad \text{for } M_S < 5.4 \qquad (5.2)$$

are applied to the Camassi and Stucchi (1996) catalogue (see Table 5). There is then no need first to use a local formula given by Camassi and Stucchi (1996) to convert M_S to M_L and then to use equations *(1)* and *(2)* to calculate M_w.

Also Verbeiren et al. (1995) give M_S for a few events. First priority M_L magnitudes are given for four of these. For the fifth event, M_w calculated from I_o (see Section *5.2.2*) differs by only 0.1 from M_w calculated from M_S using eq. (4). Therefore, M_S magnitudes are not included in the priority scheme for the Verbeiren et al. (1995) catalogue.

5.2.1.3 m_b

The Global Hypocenter Data Base, CD version 2.0 (1996) contains M_S and m_b magnitudes and we give priority to the former. A linear relation between M_S and m_b based on 42 data points in this catalogue located in the polygon North Atlantic Ocean and Iceland (AOI in Figure 2) gives an acceptable mean fitting error of 0.26 for both magnitudes (see Stromeyer et al., 2003), but there are systematic deviations in the lower and upper parts of the data range. With a second order chi-square maximum likelihood regression

$$M_S = -31.95(\pm 8.63) + 12.13(\pm 3.18)\ m_b - 0.96(\pm 0.29)\ m_b^2 \quad (6.1)$$

where the fitting error is reduced to 0.23, a good approximation within the whole range of data ($4.4 \leq m_b \leq 6.1$) is obtained, but the relation is in this case inadequate for small and large events outside the range, where the calculated m_b values may even be imaginary. Therefore, to calculate M_w for North Atlantic Ridge and Ocean earthquakes which only have m_b, formulae for the bilinear fit with optimized intersection (at m_b=5.04)

$$M_S = -11.50(\pm 2.70) + 3.28(\pm 0.54)\ m_b \qquad \text{for } 4.5 \leq m_b \leq 5.04 \qquad (6.2)$$

$$M_S = -1.16(\pm 1.36) + 1.23(\pm 0.26)\ m_b \qquad \text{for } m_b > 5.04 \qquad (6.3)$$

are used, together with eq. *(4)*. The lower level, $m_b = 4.5$, is sufficient to obtain M_w for all Catalogue events, i. e., with $M_w = 3.50$ or larger. The relations *(6.1)* - *(6.3)* are plotted in Figure 5.

The Fennoscandian catalogue by Ahjos and Uski (1992) is the only other local catalogue where m_b magnitudes need to be converted to M_w, and this only for five events. Although the events in question have slightly offshore locations, the global relation for continental interiors by Johnston (1996a)

$$\log(M_0) = 18.28 + 0.679 m_b + 0.077 m_b^2 \qquad (7)$$

is applied and combined with eq. *(2)* to give M_w.

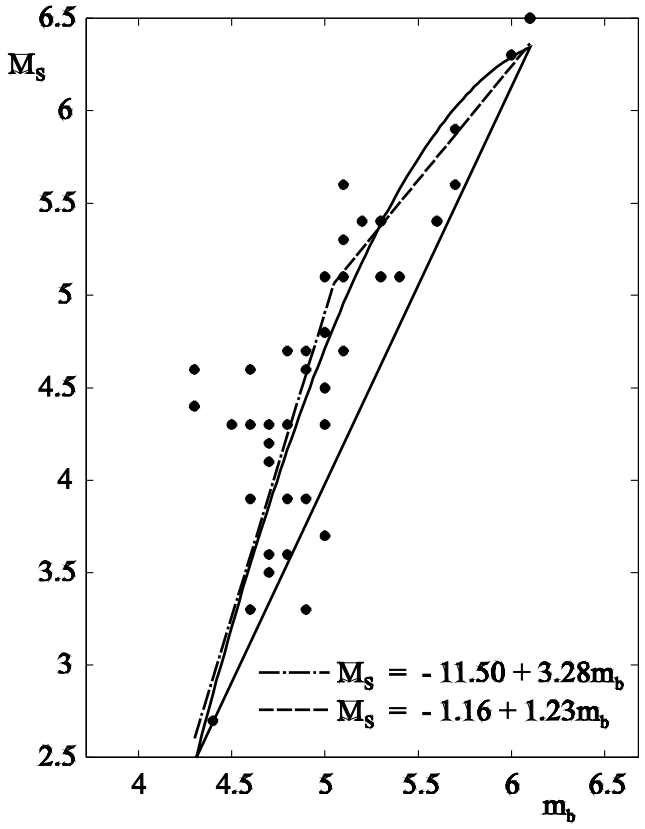

Figure 5 Input data and M_S vs. m_b chi-square maximum likelihood regression curve, eq. *(6.1)*, and bilinear fit, equations *(6.2)* and *(6.3)*, for events in Global Hypocenter Data Base, CD version 2.0 (1996) located in the polygon North Atlantic Ocean and Iceland. Eq. *(6.2)* is used in the interval for $4.5 \leq m_b \leq 5.04$ and eq. *(6.3)* for $m_b > 5.04$.

5.2.1.4 M_c

Ahjos and Uski (1992) is the only catalogue contributing coda magnitudes, M_c, which need to be converted to M_w. The M_c magnitudes are given mostly for small earthquakes in Finland and Norway and for offshore earthquakes. Since the M_c magnitudes have been calibrated with the local M_L magnitudes, M_L is put equal to M_c and eq. *(3)* is applied. Coda based M_w values for the offshore events are often very small compared to M_S based M_w values and also to M_w obtained from data in other catalogues. M_c is therefore not used for offshore events and it is given the lowest priority for the other events (see Table 5).

5.2.2 M_w from macroseismic data

For historical earthquakes, M_w has to be calculated from macroseismic data in many catalogues. Similar to a local study (western Nevada) by Toppozada (1975), Sibol et al. (1987) found that the felt area is a better predictor than maximum intensity for calculation of the magnitude, in this case m_b for North American earthquakes. The combined use of I_0 and felt area was found even better. Musson (1994) used the area of intensity 3 to

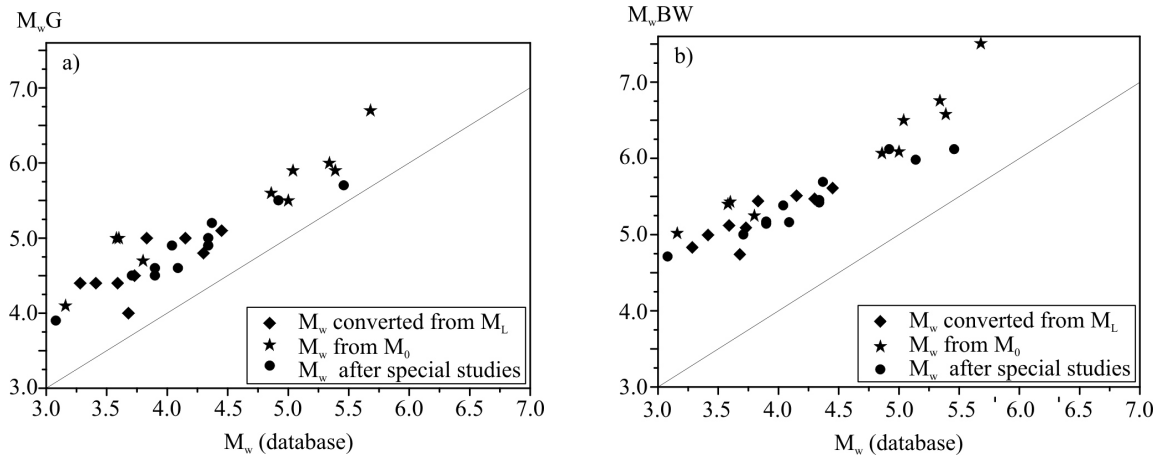

Figure 6 M_w magnitudes for earthquakes in central Europe using the formulae of the present study and those of a) Gasperini et al. (1999) M_wG; b) Bakun and Wentworth (1997) M_wBW. Each of the 36 earthquakes compared have 15 or more data points with intensity 4 or larger. See the text for details of the methods. The line representing the equality of both M_w determinations is drawn in each case for comparison.

calculate M_L. Bollinger et al. (1993) used the area of higher intensities (damage) as a predictor of M_w in the United States.

Bakun and Wentworth (1997) and Gasperini et al. (1999) used individual intensity observation data to calculate M_w for earthquakes in Italy and California, respectively. Bakun and Wentworth (1997) calculate M_w for each intensity class and the final M_w is the mean of the values for the different classes. Figure 6 compares M_w magnitudes calculated with the algorithms of Gasperini et al. (1999) and Bakun and Wentworth (1997), respectively, with those of the present study. The comparisons are based on 36 earthquakes, each of which has 15 or more data points with intensity 4 or larger. Both the Bakun and Wentworth (1997) and Gasperini et al. (1999) M_w values, about one third of which were directly converted from M_0, fall significantly above those of our study (Figure 6). The highest values are obtained from the Bakun and Wentworth (1997) algorithm. Bakun and Wentworth point out that their method must be tested and perhaps modified and the empirical relations calibrated before they should be applied in other regions. The extent of the required calibrations are indicated in Figure 6. The discrepancy between our values and those of Gasperini's may be explained by the lower attenuation north of the Alps than south thereof. In summary, the macroseismic data available for the present study are insufficient for an application of these techniques to derive M_w.

Regressions of M_w on epicentral intensity, I_0, and felt area, A_{III} (km), respectively, have been performed based on the data in Table 6

$$M_w = 1.2(\pm1.6) + 0.32(\pm0.52)\ I_0 + 0.03(\pm0.04)\ I_0^2 \qquad (8.1)$$

$$M_w = 2.3(\pm1.6) - 0.19(\pm0.76)\ \log A_{III} + 0.13(\pm0.09)\ (\log A_{III})^2 \qquad (8.2)$$

The corresponding plots are shown in Figure 7. The quadratic structure was again applied, like, e.g., by Johnston (1996b). Due to the scarce data (22 data points for I_0 and 19 for A_{III}) and large errors, equations *(8.1)* and *(8.2)* are not used in this study.

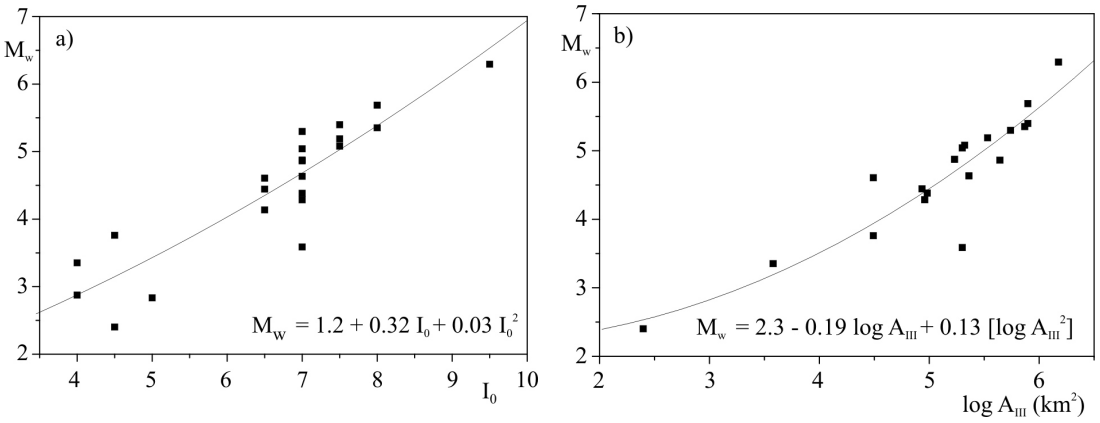

Figure 7 Input data and regression curves for central Europe based on data in Table 6:
a) M_w-I_0, where I_0 is epicentral intensity;
b) M_w-log(A_{III}), where A_{III} is area (km^2) of intensity 3 and larger.
These relations are not used for M_w calculations in this study.

An attempt to derive an M_L-I_0 relation from data from all local catalogues together showed an unsatisfactorily large scatter, probably mainly due to the heterogeneity in the macroseismic practice and between different M_L scales. Considerable improvement was achieved when each catalogue was treated separately. In several catalogues, magnitudes are given for all events, also the historical: The Austrian (Lenhardt, 1996), British (Musson, 1994), Icelandic (Halldorsson, 1997), Italian (Camassi and Stucchi, 1996), Romanian (Oncescu et al., 1999) and that for the North Atlantic Ocean (Global Hypocenter Data Base, CD version 2.0). There is thus no need to convert macroseismic data from these catalogues. For France (Levret et al., 1994), Hungary (Zsíros, 1983), Slovakia (Labak, 1998) and Slovenia (Živčić et al., 2000), a local M_L vs. I_0 or M_S vs. I_0 formula exists (Table 5) and is combined with formulae in Sections *5.2.1.1* and *5.2.1.2*, respectively, to give M_w.

For each remaining catalogue which has sets of M_L and I_0 data, a chi-square maximum likelihood regression was performed, with the focal depth as an additional parameter where this is significant (see Stromeyer et al., 2003). With a few exceptions, only data from a more reliable period of instrumental recording, starting in 1963, were used in the regressions. Nodata from offshore located events were used (no epicentral intensity).The six obtained relations are given in Table 5 and the data and graphs are shown in Figure 8. The relations for the Belgian (Verbeiren et al., 1995), Croatian (Živčić, 1994), Fenno-scandian (Ahjos and Uski, 1992) and German (Grünthal, 1988, 1991 and Leydecker,

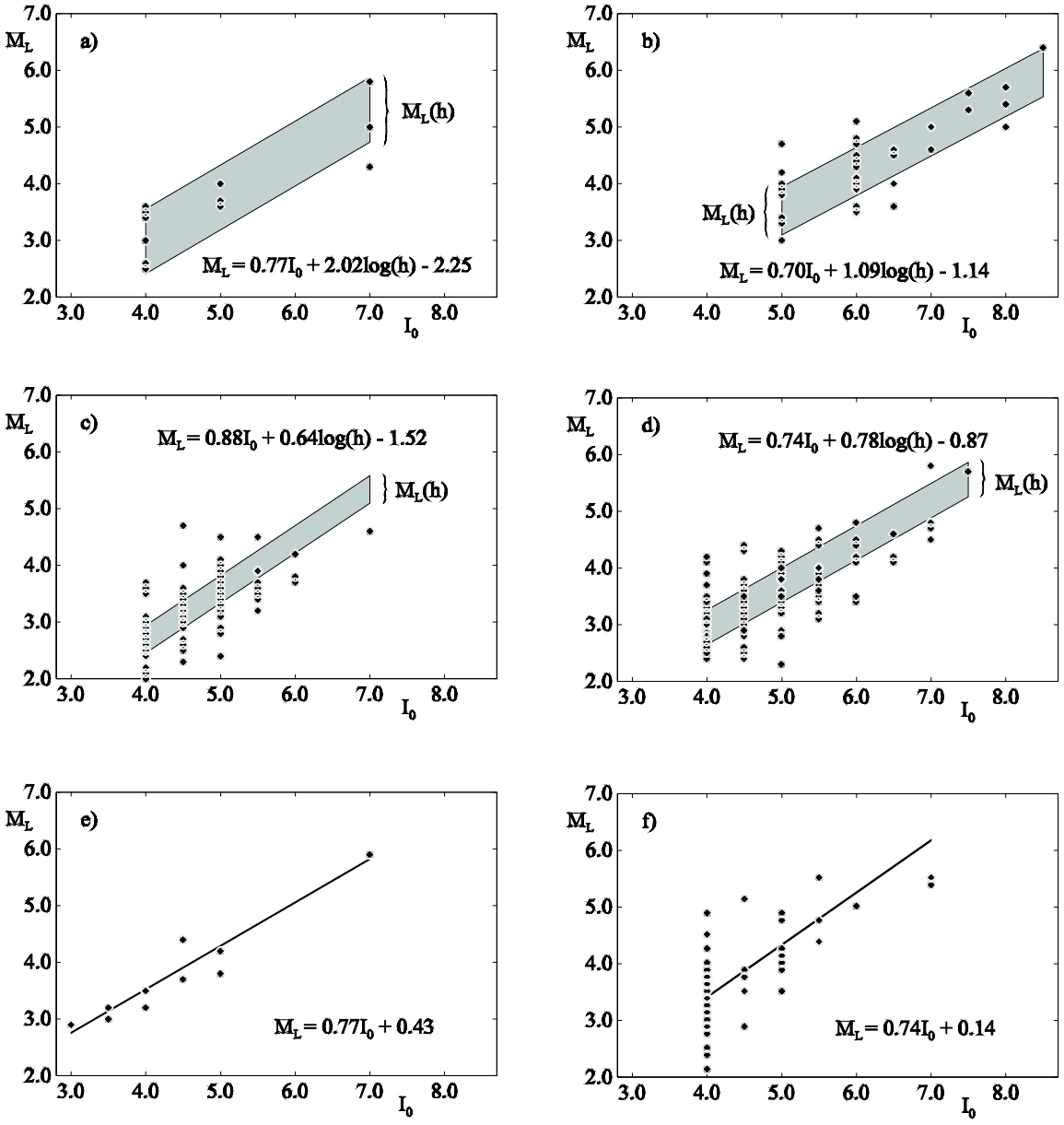

Figure 8 Graphs showing input data to and output sheets from M_L vs. I_0 chi-square maximum likelihood regressions for the local catalogues for:

a) Belgium - Verbeiren et al. (1995);

b) Croatia - Živčić (1994);

c) Fennoscandia - Ahjos and Uski (1992);

d) Germany - Grünthal (1988, 1991) and Leydecker (1986, 1996);

e) The Netherlands - Houtgast (1995);

f) Switzerland - Mayer-Rosa and Baer (1992).

The full equations with error estimates are given in Table 5. The solutions a-d contain the focal depth as an independent parameter; for the solutions e and f the focal depth influence is insignificant.

1986, 1996, combined) catalogues include the depth parameter, whereas the Dutch (Houtgast, 1995) and Swiss (Mayer-Rosa and Baer, 1992) catalogues do not. In general,

there is a resemblance of the coefficient of the intensity term for all relations (see Table 5). The catalogues covering mostly the East European Platform or adjacent to Fennoscandia, i. e., Belorussia (Boborikin et al., 1993), Estonia (Nikonov, 1992), the southern Baltic Sea (Wahlström and Grünthal, 1994) and Ukraine and Moldavia (Kondorskaya and Shebalin, 1982), use the relation for Fennoscandia.

6. Entries of the Catalogue

After the data selection and cleaning of the events, there are about 5,000 tectonic earthquakes entering the current Catalogue. The epicentres are plotted in Figure 9 and a histogram showing the magnitude distribution of all events except those in the polygon Atlantic Ocean and Iceland is given as Figure 10.

The following information is given in the Catalogue:

* *Origin Time*. Year, month, day, hour and minute, specified to the smallest unit given by the original source. Time period 1300-1993. Except for the adjustments mentioned in Chapter 4, original data have been kept. This means that no separation has been done between GMT and local times.

* *Location*. Latitude, longitude and focal depth. Events with quantified epicentral location within the area 44°N-72°N, 25°W-32°E.

* *Intensity, I_0*. The epicentral intensity, I_0, if quoted by the original source. There is no notable difference between the various intensity scales applied in the local catalogues, but experience tells that there may still be differences in the intensity assessment between and also within the different catalogues due to different routines in the compilation of macroseismic data and the subjectivity in their evaluation. Maximum observed intensities from offshore located earthquakes are sometimes listed by the local catalogues. They are not given in the Catalogue and also not used in the calculations of M_w.

* *Original magnitude and moment magnitude, M_w*. Events with $M_w \geq 3.50$. Hanks and Kanamori's (1979) relation is used to calculate M_w from the seismic moment. If not given by the original source, M_w or the seismic moment is calculated from a magnitude concept - M_L, M_S, m_b or M_c - or from macroseismic data via M_L or M_S. Details of the calculation of M_w are given in the Section *5.2* and in Table 5.

* *Reference*. The original reference, i.e., local catalogue (Table 1a) or special study (Table 1b), of each event. The Catalogue lists only one reference for each entry, although the parameters are sometimes taken from different sources, notably when only one or a few of the parameters have been reassessed in a special study.

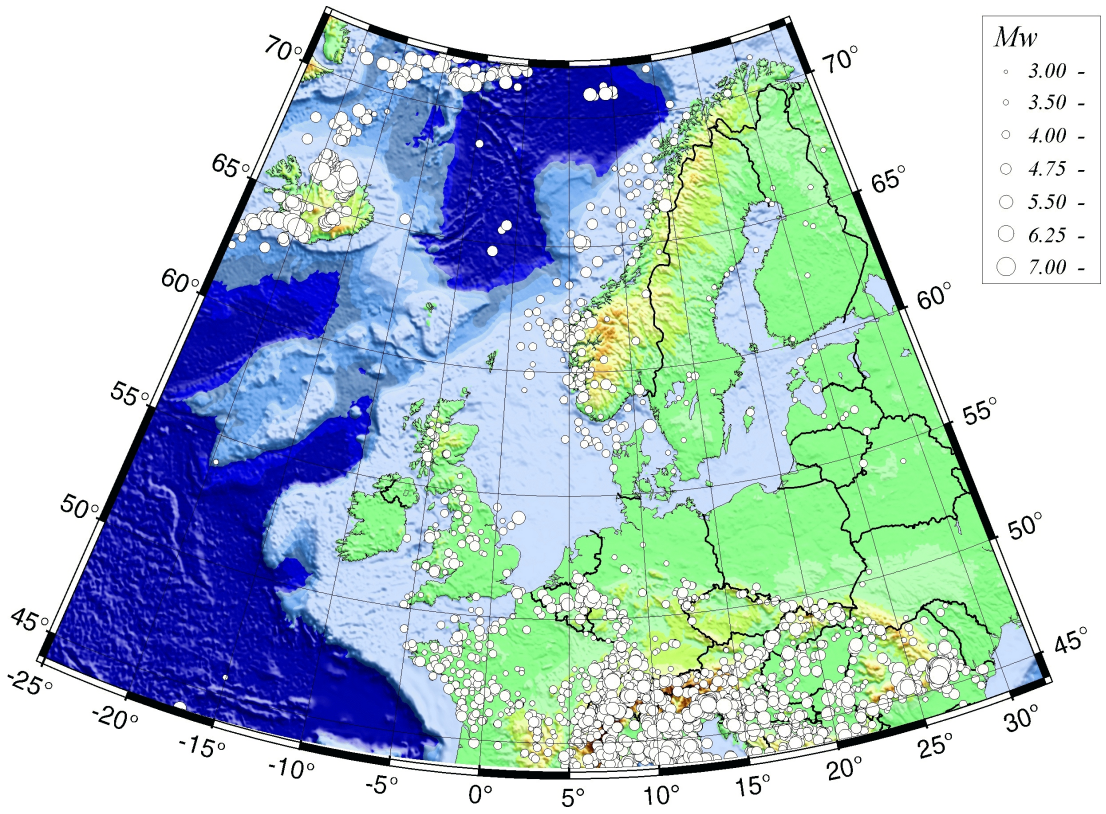

Figure 9 Epicentres of the Catalogue entries. Only tectonic earthquakes are plotted.

7. Discussion and Conclusions

Any earthquake catalogue should endeavour to homogenize the given parameters, especially the magnitude or any other strength measure. M_L is by far the dominant (and often the only) magnitude in most of the used catalogues and there is a heterogeneity between different local M_L scales, unknown to its extent, which only an analysis of basic seismogram data can possibly overcome. This has not been possible in the present study and the M_w values of the Catalogue are therefore not homogenized in a strict sense. The subjectivity in intensity assessments is another possible factor influencing the heterogeneity in the calculated M_w values. The approximate homogeneity of M_w can nonetheless be tested by comparison of values calculated for different catalogues, notably for events listed by more than one source. Although there is a good agreement in most cases, certain systematic discrepancies have been observed and are described below.

M_w values based on data from the Icelandic catalogue are usually 0.7-0.8 units larger than those from the Global Hypocenter Data Base, CD version 2.0 (1996). M_w based on Fennoscandian M_S magnitudes (Ahjos and Uski, 1992), which are reported primarily for large offshore events, agree well with those given by the Global Hypocenter Data Base, CD version 2.0 (1996) and with M_w values for offshore events based on Musson's (1994)

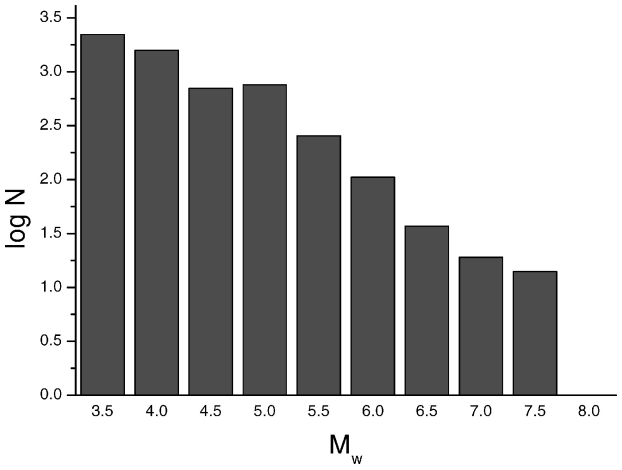

Figure 10 Magnitude-frequency histogram for the Catalogue earthquakes. Events in the polygon Atlantic Ocean and Iceland (AOI) are excluded. The irregularities from a log-linear falling-off is due to differences in basic data, including ranges of earthquake size, and magnitude relationships for the different catalogues. Although the magnitude threshold for the Catalogue is M_w=3.50, events down to M_w = 3.25 have been used for the lowest magnitude class.

M_L magnitudes. As mentioned in the Section *5.2.1.4*, coda based M_w in this region (from Ahjos and Uski, 1992) give much lower values and are discarded. The Fennoscandian M_w values are generally low compared to the continental M_w values for similar intensities or M_L magnitudes. This is most likely an effect of the different local M_L scales.

The M_w values obtained for the Swiss catalogue (Mayer-Rosa and Baer, 1992) are slightly higher than the corresponding values from the catalogues of neighbouring countries, as are the M_w values calculated from intensity data in the Dutch catalogue (Houtgast, 1995) in comparison to neighbouring countries (Levret et al., 1994; Leydecker, 1986, 1996; Verbeiren et al., 1995).

The largest events for various geological areas with respect to the obtained M_w values are shown in Table 7. For simplicity, the geological regions are associated with the polygons (Figure 2): The Alpine region encompasses Italy, Switzerland, Austria, Slovenia, Croatia, Bosnia and Serbia, Hungary and Slovakia. Variscian Europe encompasses United Kingdom, the Netherlands, Belgium and Luxemburg, France, Germany, Poland and the Czech Republic. Fennoscandia, and the North Atlantic Ocean and Iceland, are represented by the single polygons with these names, with a modification for Fennoscandia mentioned below. For Vrançea, the earthquakes are easy to identify from their intermediate depth.

The two destructive Vrançea earthquakes in the past century, in 1940 (M_w = 7.7) and 1977 (M_w = 7.4), are much larger than the strongest events in the complete record for central and northern Europe since 1300 outside Vrançea.

Two earthquakes in the mid 14th century are the dominant events in the Alpine region. The 1356 Basel earthquake was located at the border to the Variscian Europe region according

Table 7. Earthquakes with the largest obtained M_w values in different geological areas.

Area	year	mo	day	h	min	lat° N	lon °E/°W	M_w	I_0	ref	poly-gon	site
Vrançea (since	1738	06	11	10		45.7	26.6	7.7	9.5	**Onc**	RO	
1700)	1802	10	26	10	55	45.7	26.6	7.9		**Onc**	RO	
	1838	01	23	18	45	45.7	26.6	7.5	9	**Onc**	RO	
	1940	11	10	01	39	45.8	26.7	7.7	9.5	**Onc**	RO	
Alpine region	1348	01	25	17		46.5	13.5	6.5	10	*LH97*	I	Friuli
(except Romania)	1356	10	18	21		47.5	7.6	6.6	9	**SED**	CH	Basel
	1511	03	26	14		46.1	14.0	6.3	10	**ZivS**	SLO	W. Slovenia
	1695	02	25	05	12	45.9	11.9	6.2	9.5	**NT4.1**	I	Asolo
	1837	04	11	16	50	44.2	10.2	6.2	9.5	**NT4.1**	CH	Alpi Apuane
	1855	07	25	11	55	46.2	7.9	6.2	8.5	**SED**	I	Visp
	1873	06	29	03	55	46.2	12.4	6.2	9.5	**NT4.1**	CH	Bellunese
	1920	09	07	05	00	44.2	10.2	6.3	9.5	**NT4.1**	I	Garfagnana
	1976	05	06	20		46.2	13.1	6.3	9.5	*Bon84*	I	Friuli
Variscian Europe	1682	05	12	02	30	48.0	6.5	5.6	8	**LLA**	F	Remiremont
	1692	09	18	14	30	50.8	4.8	5.6	8	*Vog84*	BL	Verviers
	1756	02	18	08	00	50.8	6.4	5.8	8	*Mei95*	D	Düren
	1828	02	23	08	30	50.6	4.9	5.6	8	**ORB**	BL	Tirlemont
	1878	08	26	09		50.9	6.6	5.6	8	*Mei95*	D	Düren
	1911	11	16	21	25	48.2	9.0	5.7	8	*Kun86*	D	Ebingen
	1931	06	07	00	25	54.1	1.5	5.8		**Mus**	UK	North Sea
Fennoscandia	1759	12	22	00	45	57.7	11.1	5.6		**FEN**	FEN	Kattegat
	1819	08	31	13		66.4	14.4	5.8	7	**FEN**	FEN	Lurøy
	1866	03	09	01	20	65.2	6.0	5.7		**FEN**	FEN	Norwegian Sea
	1894	07	23	05	25	67.9	13.3	5.4	7	**FEN**	FEN	Lofoten
	1904	10	23	10	26	59.2	10.5	5.4	7	**FEN**	FEN	Oslo Fiord
North Atlantic	1734	03	21	00		63.9	-20.8	6.9		**IMO**	AOI	S. Iceland
Ocean and	1784	08	14	16	35	64.0	-20.5	7.1		**IMO**	AOI	S. Iceland
Iceland	1896	08	26	21	50	64.0	-20.2	6.9		**IMO**	AOI	S. Iceland
	1910	01	22	07	48	66.5	-17.0	7.1		**IMO**	AOI	N. Iceland
	1912	05	06	18	00	63.9	-20.0	7.0		**IMO**	AOI	S. Iceland
	1963	03	28	00	16	66.3	-19.6	7.0		**IMO**	AOI	N. Iceland

Intensity is shown only when given in original.

to our definitions. Previous interpretations had lower magnitudes for this event. The historical Swiss earthquakes in general yield somewhat high M_w compared to events in neighbouring areas with similar intensities. The 1348 event (I_0 = 10, M_s = 6.8), formerly located in Villach (Austria), now falls inside the polygon Italy with M_w = 6.5.

Two earthquakes in Germany, in 1756 (Düren, M_w = 5.8) and 1911 (Ebingen, M_w = 5.7), and one in the North Sea in 1931 (M_w = 5.8) are topping the list in Variscian Europe. As a comparison, the 1992 Roermond, the Netherlands, earthquake has an M_w magnitude of 5.3.

While discrepancies in M_w obtained from different scales in Fennoscandia may bias the earthquake statistics for this region, the expected earthquakes are found in Table 7 (they are all based on M_S). The events without intensity have offshore locations. Whereas the Fennoscandian polygon is extended way offshore to give the catalogue of Ahjos and Uski (1992) priority (see Figure 2), only events in or near Fennoscandia are considered for Table 7.

The work to prepare the Databank from the many sources of different kinds and to establish selection criteria for the events entering the Catalogue has been lengthy and non-trivial. It is the hope of the authors that the Catalogue will be useful for broad applications in various fields of seismology and seismic hazard. The Catalogue is given as Annex (Table 8) and is also available at the home page of the GeoForschungsZentrum Potsdam: *http://seismohazard.gfz-potsdam.de/projects/catalogues/EEC_CNNW.html*

Acknowledgements

We are indebted to the following colleagues for supplying the recent local catalogue data: T. Ahjos, M. Baer, R. Camassi, T. Camelbeeck, Th. de Crook, P. Halldorsson, G. Houtgast, P. Labak, W. Lenhardt, A. Levret, G. Leydecker, P. Mäntyniemi, D. Mayer-Rosa, R. Musson, M.-C. Oncescu, M. Rizescu, M. Stucchi, M. Uski, R. Verbeiren, M. Živčić and T. Zsíros. We would like to thank two reviewers for valuable suggestions which we have used to improve the paper. Ch. Bosse, J. Fischer, U. Lemgo, D. Stromeyer and A.-D. Wirth of the GeoForschungsZentrum Potsdam made significant technical contributions in the data processing.

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Table 8. **Earthquake catalogue for central, northern and northwestern Europe** **ANNEX**

based on M_w magnitudes, resulting from the compilation and revision of data in local catalogues and special studies.

Time period 1300-1993; area 44˚N-72˚N, 25˚W-32˚E; focal depth is given in km; $M_w \geq 3.50$. „im" denotes intermediate depth events in the Vrançea region for which no exact depth is calculated.

Indices at original magnitudes: w for M_w or M_0 , L for M_L , S for M_S , b for m_b , c for M_c .

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1300					44.00	14.00		9	6.0L	ZivC	5.7
1301					47.55	9.68		6		SED	4.2
1301	6	11			46.08	13.45		6	4.4S	NT4.1	5.0
1303	3	22	23		45.05	9.70		5.5	4.2S	NT4.1	4.9
1303	10	23			45.52	11.55		7	5.0S	NT4.1	5.3
1304	8	8			44.00	14.00		7	5.0L	ZivC	4.6
1308	1	25	16		44.07	12.57		8	5.5S	NT4.1	5.5
1311					44.87	7.32		6	4.4S	NT4.1	5.0
1322	10	31			46.20	6.15		6		SED	4.2
1323					45.20	14.70		9	6.0L	ZivC	5.7
1323	2	25			44.50	11.33		6.5	4.7S	NT4.1	5.2
1326					50.80	12.20		6.5		Gru	4.3
1327					45.70	26.60	150	8	7.3w	Onc	7.3
1332	2	12			50.80	12.20		5.5		Gru	3.6
1334	12	4	23		45.42	10.95		7.5	5.2S	NT4.1	5.5
1342					47.00	19.00		7	5.0L	Zsi	4.6
1345	1	31			44.80	10.55		5.5	4.2S	NT4.1	4.9
1346	2	22	11		44.82	11.62		7.5	5.2S	NT4.1	5.5
1346	11	24	23		47.47	7.62		8		SED	5.8
1348	1	25	17		46.50	13.45		10	6.8S	HL97	6.4
1349					50.83	6.33		7		Ley	4.7
1350					46.50	7.50		6		SED	4.2
1356	10	18	21		47.47	7.60		9		SED	6.6
1357	5	14	7	30	48.17	7.50		7		Ley	4.7
1358					46.87	9.53		6		SED	4.2
1363	7	3			47.80	7.10		6		SED	4.2
1364	5	11			47.80	7.10		5.5		SED	3.8
1364	8				46.08	13.45		6	4.4S	NT4.1	5.0
1365	3	4			45.50	12.00		6	4.4S	NT4.1	5.0
1365	4	7	18		44.50	11.25		7.5	5.2S	NT4.1	5.5
1365	9	21			45.43	10.98		5.5	4.2S	NT4.1	4.9
1366	5	24			51.12	10.33		5.5		GruRA	3.6
1369	2	1			44.91	8.61		6.5	4.7S	NT4.1	5.2
1372	6	1			47.47	7.60		7		SED	5.0
1372	9	8			47.47	7.60		5.5		SED	3.8
1373	3	1			45.42	12.33		6	4.4S	NT4.1	5.0
1375					46.90	8.40		8		SED	5.8
1378	6	1			47.00	9.00		6		SED	4.2
1382	4	20			46.00	7.00		6		SED	4.2
1382	5	21	15		51.10	1.60		8	5.8L	Mus	5.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1382	5	24	4		51.10	1.60			4.0L	Mus	3.6
1383	7	24	20		44.82	10.30		5.5	4.2S	NT4.1	4.9
1383	8	4			44.22	12.03		7.5	5.2S	NT4.1	5.5
1384	12	24			47.75	7.08		6		SED	4.2
1385					50.90	5.70		6.5		Hou	5.1
1386					44.20	17.70		9	6.0L	ZivC	5.7
1387	3	5			44.10	15.20		7	5.0L	ZivC	4.6
1389	8	20	11		46.42	13.25		8	5.5S	NT4.1	5.5
1390	12	5			44.10	15.20		7	5.0L	ZivC	4.6
1391	3	23			47.67	7.30		7		SED	5.0
1392	1	28	0	30	46.13	12.22		6	4.4S	NT4.1	5.0
1393	6	11			50.90	5.70		6.5		Hou	5.1
1393	6	15			44.00	11.92		7	5.0S	NT4.1	5.3
1394	3	22			46.30	7.97		8		SED	5.8
1396	12	26			45.65	9.67		7	5.0S	NT4.1	5.3
1399	7	20	23		44.45	11.08		7	5.0S	NT4.1	5.3
1400					47.67	9.17		6		SED	4.2
1401	6	29	9		46.13	12.20		6	4.4S	NT4.1	5.0
1402					45.42	10.95		6	4.4S	NT4.1	5.0
1403	1	17			45.44	10.99		6.5	4.7S	NT4.1	5.2
1403	9	6			46.10	13.43		7.5	5.2S	NT4.1	5.5
1404	2	1	21		46.17	12.17		7	5.0S	NT4.1	5.3
1406	5	28	21	30	46.13	12.20		5.5	4.2S	NT4.1	4.9
1408					44.50	11.33		5.5	4.2S	NT4.1	4.9
1409	8	24			52.10	11.40		6		GM95	4.0
1409	11	15	11	15	44.80	10.28		7	5.0S	NT4.1	5.3
1410					47.00	19.00		8	5.6L	Zsi	5.2
1410	5	9	22	30	44.83	11.62		6.5	4.7S	NT4.1	5.2
1410	6	10	21		45.44	10.99		5.5	4.2S	NT4.1	4.9
1411	7	1	6		46.13	12.22		5.5	4.2S	NT4.1	4.9
1415	6	21			47.45	7.58		6		SED	4.2
1416	7	21			47.50	7.60		6		Ley	4.0
1424	10	20	22		44.17	11.92		6	4.4S	NT4.1	5.0
1425	8	10	19		44.83	11.67		6	4.4S	NT4.1	5.0
1428	7	3	5		44.15	12.00		8	5.5S	NT4.1	5.5
1428	12	13			47.53	7.60		7		SED	5.0
1433	5	4			44.50	11.33		6.5	4.7S	NT4.1	5.2
1438	6	10	2		44.82	10.15		8	5.5S	NT4.1	5.5
1443	6	5	8		48.71	18.94	26	8	5.9S	Lab	5.9
1444	8	4			46.25	20.15		8	5.6L	Zsi	5.2
1444	11	30	4		47.80	7.10		6		SED	4.2
1445	3	21	13	30	45.43	10.95		5.5	4.2S	NT4.1	4.9
1446	10	10	4		45.70	26.60	150	8.5	7.5w	Onc	7.5
1449					45.00	7.25		6	4.4S	NT4.1	5.0
1449	4	23	3	30	51.00	3.30		7	5.3L	Mus	4.9
1450					45.88	3.12		7		LLA	4.7
1455	2	3			46.10	12.90		7.5	5.2S	NT4.1	5.5
1455	2	6			44.40	11.25		7.5	5.2S	NT4.1	5.5
1455	12	20	20	30	44.50	11.32		7	5.0S	NT4.1	5.3
1465	4	6	21	30	45.42	10.95		5.5	4.2S	NT4.1	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1465	4	15	20		44.70	10.62		6.5	4.7S	NT4.1	5.2
1470	4	11			44.17	11.03		7	5.0S	NT4.1	5.3
1471					45.52	10.20		5.5	4.2S	NT4.1	4.9
1471	8	29	10		45.70	26.60	110	9	7.5w	Onc	7.5
1472					44.07	12.57		7	5.0S	NT4.1	5.3
1472	5	14	19		46.50	13.25		7	5.0S	NT4.1	5.3
1473	2	2			44.07	12.57		6	4.4S	NT4.1	5.0
1473	8	29			45.70	26.60	150	8.5	7.3w	Onc	7.3
1474	3	11	20	30	44.63	10.92		6	4.4S	NT4.1	5.0
1475	8	25			49.63	8.35		6		GFV99	4.0
1477	6	29	7		45.83	3.10		7.5		LLA	4.9
1478	2	24			47.75	10.33		5.5		Ley	3.6
1479	10	10	22		44.22	12.05		6	4.4S	NT4.1	5.0
1481	5	7			44.28	10.12		8.5	5.9S	NT4.1	5.8
1483	3	3	22		44.82	11.65		5.5	4.2S	NT4.1	4.9
1483	8	11			44.15	12.17		7.5	5.2S	NT4.1	5.5
1485	9	1			45.40	11.88		5.5	4.2S	NT4.1	4.9
1487	12				45.40	11.85		6.5	4.7S	NT4.1	5.2
1490	3	1	10		45.83	2.97		8		LLA	5.1
1491	1	25			45.42	10.98		7.5	5.2S	NT4.1	5.5
1492	11	7			47.50	7.65		6		SED	4.2
1493	8	24			46.27	13.13		6	4.4S	NT4.1	5.0
1497	1	20	23		59.50	15.00	16	7		FEN	4.5
1497	5	14	23		47.57	-0.40	15	7		LLA	4.9
1498	3	31			46.50	7.43		5.5		SED	3.8
1498	9	3	14		46.50	7.43		6.5		SED	4.6
1500	4	30			47.17	8.75		5.5		SED	3.8
1501	6	5	10		44.52	10.85		8.5	5.9S	NT4.1	5.8
1502	3	26	13		45.90	16.00		8	5.5L	ZivC	5.1
1502	5				44.40	7.50		6	4.4S	NT4.1	5.0
1502	9	23			44.50	7.50		7	5.0S	NT4.1	5.3
1504	2	29			46.78	10.20		8		SED	5.8
1504	8	23	23		50.80	6.10		7		Alx94	4.7
1505					45.00	15.50		9	6.0L	ZivC	5.7
1505	1	3	2		44.49	11.20		7	5.0S	NT4.1	5.3
1505	5	15			44.48	11.33		5.5	4.2S	NT4.1	4.9
1507					45.00	7.25		6	4.4S	NT4.1	5.0
1508					46.65	9.80		6		SED	4.2
1508	1				46.00	14.50		7		ZivS	4.4
1508	10	18	15		44.83	11.67		6	4.4S	NT4.1	5.0
1509	4	19			44.28	11.87		7	5.0S	NT4.1	5.3
1509	9	14	19		47.42	9.42		6		SED	4.2
1511	3	26	14		46.10	14.00	15	10		ZivS	6.3
1511	3	28			46.00	14.00		6		ZivS	4.0
1511	6	26	21		46.00	14.00		8		ZivS	4.9
1511	8	8			46.10	13.50		9		ZivS	5.5
1512	2	8			46.30	9.37		6	4.4S	NT4.1	5.0
1512	2	8	16		45.43	12.33		5.5	4.2S	NT4.1	4.9
1513	9	28			46.35	9.13		6		SED	4.2
1514	7	12	21	30	46.28	13.15		7	5.0S	NT4.1	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1516	3	9			45.47	12.33		6	4.4S	NT4.1	5.0
1516	11	24	12		45.70	26.60	150	9	7.5w	Onc	7.5
1516	12	20	5	30	46.28	13.15		6	4.4S	NT4.1	5.0
1517	2	6			46.00	25.20		7	5.3w	Onc	5.3
1517	4	4	16		48.67	9.00		6		Ley	4.0
1521					44.79	20.45		7	5.0L	Zsi	4.6
1521	1	26	10	30	45.55	10.22		6	4.4S	NT4.1	5.0
1522	7	7	0		46.00	13.25		6	4.4S	NT4.1	5.0
1522	10	5	8		45.13	10.02		5.5	4.2S	NT4.1	4.9
1523	5	19	2		46.78	6.63		6		SED	4.2
1523	6	9			45.70	26.60	130	7	6.5w	Onc	6.5
1523	6	27			46.27	13.13		7	5.0S	NT4.1	5.3
1523	11	19			46.20	24.40		8	5.9w	Onc	5.9
1525	2	19	21		46.27	13.13		6	4.4S	NT4.1	5.0
1528	6	14			46.10	18.25		6	4.4L	Zsi	4.0
1529	4	14			46.02	13.25		5.5	4.2S	NT4.1	4.9
1529	9	11	18		47.53	7.57		5.5		SED	3.8
1531	1	26			47.55	7.60		8		SED	5.8
1531	7	12			51.30	6.20		7		Hou	5.5
1531	10	10	20		47.03	9.07		6		SED	4.2
1533	10	22			47.37	8.53		5.5		SED	3.8
1533	11	17			47.48	9.33		6		SED	4.2
1533	11	26			47.38	9.63		6		SED	4.2
1534	10	2			47.52	8.30		6		SED	4.2
1534	10	6	4	30	46.67	9.50		6		SED	4.2
1537	3	1			47.52	7.43		6		SED	4.2
1537	11				44.30	8.48		6	4.4S	NT4.1	5.0
1538	1	28			47.57	7.65		5.5		SED	3.8
1540					57.70	18.70	5	7		FEN	4.2
1540	6	26	19		51.10	12.90		6.5		Gru	4.3
1540	9	1			45.53	10.22		6	4.4S	NT4.1	5.0
1541	1	6			46.62	8.57		7		SED	5.0
1541	10	22	18		44.75	8.85		8	5.5S	NT4.1	5.5
1542	6	13	2	15	44.00	11.40		9	6.2S	NT4.1	6.0
1542	11	8			47.83	10.00		6		Ley	4.0
1543					45.70	26.60	150	8	7.1w	Onc	7.1
1545	6	9	15		44.47	9.78		7.5	5.2S	NT4.1	5.5
1545	7	19	8		45.70	26.60	110	8	7.1w	Onc	7.1
1547	2	10	19	30	44.70	10.62		8	5.5S	NT4.1	5.5
1547	7	31			44.30	8.48		5.5	4.2S	NT4.1	4.9
1549	5	3			44.30	8.48		6.5	4.7S	NT4.1	5.2
1549	5	14			44.67	8.00		6	4.4S	NT4.1	5.0
1549	8	25	21		48.73	19.16		5	3.6S	Lab	3.6
1550	2	28	16		44.38	7.53		6.5	4.7S	NT4.1	5.2
1550	10	26	1		45.80	24.20		9	6.5w	Onc	6.5
1552	2	9	2		47.82	7.10		6		SED	4.2
1552	3	6			50.58	13.08		6		Gru	4.0
1552	4	20	9		50.57	12.66		5.5		Gru	3.6
1552	8	21	2		45.70	26.60	130	7	6.5w	Onc	6.5
1553	8	17	19	30	51.10	12.90		6.5		GF98	4.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1554	3	22			51.10	5.80		7		ORB	4.8
1557	4	28			47.43	8.62		5.5		SED	3.8
1559	1	15	19		48.60	7.80		6		Ley	4.0
1561	2	12			47.53	19.01		8	5.6L	Zsi	5.2
1561	11	24			44.83	11.60		7	5.0S	NT4.1	5.3
1562	2	10			50.50	16.70		6		Pag	4.0
1563	3	22			51.30	5.70		6		Hou	4.7
1564	7	20			44.00	7.32		8		LLA	5.1
1565	2	8	0		50.05	7.25		6		GF99	4.0
1568	7	26			51.12	13.05		5.5		Gru	3.6
1568	11	8			44.17	5.13		5		LLA	3.8
1569	8	6			47.43	7.60		7		SED	5.0
1569	8	17	5		45.40	24.50		8	6.4w	Onc	6.4
1570	11	17			44.82	11.65		8	5.5S	NT4.1	5.5
1571	4	10	7		45.50	24.60		8	6.5w	Onc	6.5
1571	5	10			45.70	26.60	150	8	7.1w	Onc	7.1
1571	11	1			47.27	11.39	6	7	4.5S	ZAMG	4.5
1572	1	4	18	45	47.27	11.39	6	8	5.2S	ZAMG	5.2
1572	2	9	7		47.52	7.53		6		SED	4.2
1572	6	4	22		44.80	10.32		7	5.0S	NT4.1	5.3
1573	6	30			46.87	9.53		6		SED	4.2
1573	7	8	18		46.75	9.67		6		SED	4.2
1573	12	20			47.03	9.02		6		SED	4.2
1574					48.50	7.90		7		Ley	4.7
1574	3	17	3	40	44.82	11.30		7	5.0S	NT4.1	5.3
1574	5	3			46.20	6.20		7		SED	5.0
1574	8	14			45.40	14.10		8	5.3L	ZivC	4.9
1575	2	26	17		53.20	-1.60		7	5.0L	Mus	4.6
1575	11	17			46.08	14.50		7		ZivS	4.4
1576	9	26	6		45.67	9.67		6	4.4S	NT4.1	5.0
1577	2	2	2		46.77	7.57		6		SED	4.2
1577	9	22			47.53	7.62		6		SED	4.2
1578	4	1			45.70	26.60	130	7	6.5w	Onc	6.5
1578	4	27	11		50.88	12.23		6.5		Gru	4.3
1578	9	28			47.40	8.50		6		SED	4.2
1580	4	6	18		51.00	1.66		8	5.8L	Mus	5.5
1580	5	1			51.00	1.66			4.3L	Mus	3.9
1581	3	10			51.60	5.90		6		Hou	4.7
1584	3	1			44.50	7.25		6.5	4.7S	NT4.1	5.2
1584	3	10			46.33	6.93		7		SED	5.0
1584	5	4			46.35	6.97		6		SED	4.2
1586					48.37	17.56		7	4.6S	Lab	4.6
1586	1	12	12		44.58	11.00		6	4.4S	NT4.1	5.0
1588	3	25	10		47.40	-0.55	15	6.5		LLA	4.7
1588	6	11			47.75	8.83		7		Ley	4.7
1590	4	22	12	30	46.08	14.50		7		ZivS	4.4
1590	4	30			45.70	26.60	100	8.5	7.3w	Onc	7.3
1590	6	29			47.96	16.40	7	6	3.9S	ZAMG	3.9
1590	8	10	20		45.40	24.40		8.5	6.5w	Onc	6.5
1590	9	15	17		48.20	15.91	4	8	4.7S	ZAMG	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1590	9	15	18		48.20	16.05		6.5	4.2S	Gdt87	4.2
1590	9	15	23	50	48.20	15.91	4	9	5.3S	ZAMG	5.3
1591	4	24	12		46.20	-1.37		5.5		LLA	4.0
1591	5	24			44.70	10.63		6	4.4S	NT4.1	5.0
1591	7	10			44.25	11.97		6.5	4.7S	NT4.1	5.2
1593	3	8			45.68	9.68		6.5	4.7S	NT4.1	5.2
1593	4	8	21		47.47	-0.55	15	6		LLA	4.5
1593	10	10			47.03	9.05		6		SED	4.2
1593	11	5			47.00	6.78		5.5		SED	3.8
1594	3	20			47.03	9.05		6		SED	4.2
1594	11	11			47.03	9.05		6		SED	4.2
1595	4	21	10		45.70	26.60	150	8	7.1w	Onc	7.1
1595	7	12			47.28	11.51	6	6	3.9S	ZAMG	3.9
1597	7	23	8	30	57.06	-4.97			4.6L	Mus	4.2
1597	8	3			44.00	11.35		7.5	5.2S	NT4.1	5.5
1598	11	22	2		45.70	26.60	120	7	6.5w	Onc	6.5
1598	12	16	7		50.87	12.18		6.5		Gru	4.3
1598	12	28			45.70	26.60	100	5.5	5.7w	Onc	5.7
1599	3	4			45.70	26.60	100	6.5	6.1w	Onc	6.1
1599	5	29	2		45.70	26.60	100	6	5.9w	Onc	5.9
1599	10	1	8	30	47.76	18.14		7	4.6S	Lab	4.6
1599	10	23			46.80	9.40		6		SED	4.2
1600					44.12	11.55		7.5	5.2S	NT4.1	5.5
1600	9	21	19		49.23	18.76		5	3.6S	Lab	3.6
1601	9	8	1		46.83	8.50		8.5		SED	6.2
1602	10	7			59.50	24.70		6		Bob	3.6
1603	5	5			46.80	23.60		6	4.7w	Onc	4.7
1604	5	3	2		45.70	26.60	130	7.5	6.8w	Onc	6.8
1605	12	24	15		45.70	26.60	150	8	7.1w	Onc	7.1
1606	1	13	1		45.70	26.60	120	7.5	6.8w	Onc	6.8
1606	8	22			45.67	9.67		6.5	4.7S	NT4.1	5.2
1607					59.70	24.70		6		Bob	3.6
1607	4	2			46.78	6.63		6		SED	4.2
1607	11	27	18		49.06	18.29		6	4.1S	Lab	4.1
1608	1	6			44.68	10.62		6	4.4S	NT4.1	5.0
1608	11	8	21		56.39	-3.98		6	4.6L	Mus	4.2
1609	1	16	2		47.43	-0.57		6		LLA	4.2
1610	11	29			47.47	7.55		7.5		SED	5.3
1611	1	15			44.75	7.25		5.5	4.2S	NT4.1	4.9
1611	9	8			44.00	11.35		7.5	5.2S	NT4.1	5.5
1612	1	31			44.00	7.00		6.5	4.7S	NT4.1	5.2
1612	11	7			52.00	8.65		6.5		VG94	4.3
1613	11	16	11		49.25	18.75		8	5.2S	Lab	5.2
1614	2	28			47.52	7.62		6		SED	4.2
1614	3	2			44.10	15.20		7	5.0L	ZivC	4.6
1614	9	25			47.43	7.58		5.5		SED	3.8
1615	1	5			47.98	18.18		6	4.1S	Lab	4.1
1616	2	29			46.83	8.40		8		SED	5.8
1616	6	30	5	30	56.40	24.20		6		FEN	3.6
1616	12	18	18		51.20	12.25		5.5		FG96	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1619	1	19	6		50.20	8.40		6.5		Ley	4.3
1620	1	29			46.60	7.65		6		SED	4.2
1620	2	20	0		50.17	7.67		6		Ley	4.0
1620	11	8	13		45.70	26.60	150	9	7.5w	Onc	7.5
1621					46.17	14.50		7		ZivS	4.4
1621	5	21	16		47.22	7.30		7		SED	5.0
1622	5	5	11		46.08	14.50		7.5		ZivS	4.7
1622	7	25			46.78	10.25		6		SED	4.2
1622	8	3			46.80	10.25		7		SED	5.0
1623	2	20			46.30	9.77		6	4.4S	NT4.1	5.0
1623	7	15			46.60	23.80		5	4.1w	Onc	4.1
1624	3	18	19	30	44.67	11.92		8	5.5S	NT4.1	5.5
1625					46.00	14.50		7		ZivS	4.4
1625	12	5			44.07	12.57		6	4.4S	NT4.1	5.0
1626	1	7	4		46.08	14.50		6		ZivS	4.0
1626	6	22			64.50	27.00	18	6		FEN	3.7
1628	6	17	18		45.98	15.50	7	8		ZivS	4.7
1628	11	4	15	15	44.82	10.32		7	5.0S	NT4.1	5.3
1632	2	29	23		55.80	12.50		6		WG	3.6
1632	11	27	19		45.97	15.50	8	7		ZivS	4.3
1634	5	1	4	30	45.75	15.08		6		ZivS	4.0
1636	6				48.27	7.45		5		LLA	3.8
1637	2	1	1		45.70	26.60	130	8	7.1w	Onc	7.1
1639	4	9	1		45.40	24.20		7	5.3w	Onc	5.3
1640					45.92	15.50	2	9		ZivS	4.6
1640	4	4	3	15	50.75	6.50		7.5		Ley	5.1
1641	1	13	6		46.08	14.50		6		ZivS	4.0
1642	6	13	22		45.70	9.70		6.5	4.7S	NT4.1	5.2
1642	11	28	23		50.00	8.38		5.5		Ley	3.6
1643	6	5	11		49.23	20.37		6	4.1S	Lab	4.1
1643	7	9			46.00	15.00		6		ZivS	4.0
1645					45.60	15.40		8	5.4L	ZivC	5.0
1648					45.00	14.90		8	5.4L	ZivC	5.0
1650	1	8			47.20	9.47		6		SED	4.2
1650	4	11	17		54.98	-2.78		7	4.9L	Mus	4.5
1650	4	19			45.70	26.60	100	7	6.5w	Onc	6.5
1650	5	6			47.50	7.55		6		SED	4.2
1650	9	7			47.55	7.53		7		SED	5.0
1650	9	10	3		47.52	7.65		6.5		SED	4.6
1650	9	11	1	30	47.50	7.60		6.5		Ley	4.3
1650	9	12			47.52	7.65		5.5		SED	3.8
1650	10	20	12		47.50	8.17		5.5		SED	3.8
1652	3	7			48.72	21.27		5	3.6S	Lab	3.6
1652	3	27			48.73	19.16		5	3.6S	Lab	3.6
1652	10	13			47.12	9.02		5.5		SED	3.8
1653	8	15			44.13	12.23		6.5	4.7S	NT4.1	5.2
1655	3	25			44.07	11.85		6	4.4S	NT4.1	5.0
1655	3	29			48.50	9.07		7.5		Ley	5.1
1655	4	11			48.50	9.07		7		Ley	4.7
1656					49.01	20.72		5	3.6S	Lab	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1657	2	15	15		47.12	0.62		7.5		LLA	4.9
1657	5	4	10	45	59.00	10.50	28	6		FEN	3.8
1660					44.63	10.92		5.5	4.2S	NT4.1	4.9
1660	11	30	8	30	48.37	17.56		6	4.4L	Lab	4.0
1661	1	9	21		47.03	9.07		6		SED	4.2
1661	3	11			45.70	9.85		7.5	5.2S	NT4.1	5.5
1661	3	22	12	45	44.03	11.90		9	6.2S	NT4.1	6.0
1662	8	9			49.13	20.44		5	3.6S	Lab	3.6
1663	5	19	18		50.90	5.70		5		Hou	3.9
1663	9	10	21		46.92	9.17		6		SED	4.2
1666	2				45.70	26.60	150	6.5	6.1w	Onc	6.1
1666	4	14	18	58	44.50	11.33		6	4.4S	NT4.1	5.0
1666	9	1			47.58	9.33		6		Ley	4.0
1667	3	15			44.10	15.20		7	5.0L	ZivC	4.6
1668	8	27			47.82	16.24	7	7	4.6S	ZAMG	4.6
1669	2	27			48.95	20.54		5	3.6S	Lab	3.6
1669	9	1	3		46.08	14.53		6		ZivS	4.0
1669	10	10	0	45	48.60	7.80		7		Ley	4.7
1670	1	1	1		45.95	14.33	10	5.5		ZivS	3.7
1670	2	1	22		58.00	24.00	8	7		Nik	4.3
1670	2	8			58.00	24.00	8	6.5		Nik	3.9
1670	7	17	1	15	47.28	11.51	6	8	5.2S	ZAMG	5.2
1670	8	3			49.90	23.60	8	6		KSh	3.5
1671	6	20			44.65	10.80		7	5.0S	NT4.1	5.3
1672	1	12	10	30	47.23	9.47		5.5		SED	3.8
1672	4	14	15	15	44.08	12.67		8	5.5S	NT4.1	5.5
1673	2	19			50.58	7.17		7		Ley	4.7
1674	12	6	8		47.08	9.07		6		SED	4.2
1676	3	26			48.72	21.27		7	4.6S	Lab	4.6
1677	12	13	6		47.42	9.37		5.5		SED	3.8
1679	8	9	1		45.70	26.60	110	9	7.5w	Onc	7.5
1680	4	30	11		44.65	8.75		7	5.0S	NT4.1	5.3
1681	1	18	4	30	50.20	8.40		6		Ley	4.0
1681	1	27	21		47.12	9.15		6		SED	4.2
1681	8	19			45.70	26.60	150	8	7.1w	Onc	7.1
1681	10	16			45.70	26.60	140	5	5.4w	Onc	5.4
1681	10	18			45.70	26.60	130	5	5.4w	Onc	5.4
1681	12	27	4	30	45.70	26.60	110	6	5.9w	Onc	5.9
1682	5	12	2	30	47.97	6.52	20	8		LLA	5.6
1683	5	25			46.08	10.72		6.5	4.7S	NT4.1	5.2
1683	10	6	22	58	53.09	-1.63		5.5	4.7L	Mus	4.3
1684	2	26	19		46.37	8.08		7		SED	5.0
1684	10	21	5	30	46.08	14.50	9	7		ZivS	4.4
1686					46.00	14.50		6		ZivS	4.0
1687					44.33	11.75		6	4.4S	NT4.1	5.0
1688	4	11	11	30	44.40	11.97		9	6.2S	NT4.1	6.0
1688	8	18			44.42	12.00		7	5.0S	NT4.1	5.3
1689	3	15			44.42	12.00		6	4.4S	NT4.1	5.0
1689	5	10	3		45.97	14.85	5	8		ZivS	4.5
1689	12	22	1		47.27	11.39	6	8	5.2S	ZAMG	5.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1690	5	4			46.13	12.22		6	4.4S	NT4.1	5.0
1690	8	27	20		51.83	-4.38			4.7L	Mus	4.3
1690	10	7	7	15	53.10	-4.00		6	5.0L	Mus	4.6
1690	12	4	15	45	46.60	13.80		8.5	5.9S	NT4.1	5.8
1691	2	19			46.17	14.47	7	7.5		ZivS	4.5
1691	2	19	7		49.25	6.50		6		Ley	4.0
1691	7	14			45.33	11.83		6	4.4S	NT4.1	5.0
1691	11	27			46.00	15.50	7	6		ZivS	3.8
1691	12				47.13	13.68	8	6.5	4.4S	ZAMG	4.4
1692	5				46.35	12.80		7	5.0S	NT4.1	5.3
1692	9	18	14	30	50.80	4.80		8		Vog84	5.6
1692	10	28	14		50.59	5.82		6		ORB	4.0
1693	1	9			46.75	6.58		6		SED	4.2
1693	7	6	9	15	45.25	10.63		7	5.0S	NT4.1	5.3
1695	2	25	5	30	45.88	11.91		9.5	6.4S	NT4.1	6.2
1695	2	28			44.83	11.62		5.5	4.2S	NT4.1	4.9
1695	3	27			45.75	9.42		5	3.9S	NT4.1	4.7
1695	4	18			50.97	11.91		5.5		Gru	3.6
1695	6	29			46.00	15.48	8	6.5		ZivS	4.0
1695	9	1			46.88	9.67		6		SED	4.2
1697	3	2	19		57.00	13.50	10	6		FEN	3.6
1697	3	15			45.62	15.46		8	5.4L	ZivC	5.0
1699	2	6			44.10	15.20		7	5.2L	ZivC	4.8
1699	2	11			45.62	15.33		8.5	5.7L	ZivC	5.4
1699	4	22			51.10	5.90		6.5	4.0L	Hou	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1700					48.14	17.12		7	4.6S	Lab	4.6
1700	7	28			46.43	12.87		8.5	5.9S	NT4.1	5.8
1700	8	25			45.60	15.40		7.5	5.2L	ZivC	4.8
1701	3	27	15		50.59	12.64		5.5		Gru	3.6
1701	4	8	0	30	50.59	12.64		5.5		Gru	3.6
1701	6	12			45.70	26.60	150	8	7.1w	Onc	7.1
1701	9	7			46.92	8.98		6		SED	4.2
1702	12	9	4		46.93	9.02		6		SED	4.2
1703	11	23	13		46.08	14.50		6		ZivS	4.0
1703	12	28			44.77	7.50		7.5	5.2S	NT4.1	5.5
1703	12	28	17	3	53.62	-0.11		5.5	4.2L	Mus	3.8
1704	3	11	15		46.73	0.32		6.5		LLA	4.4
1705	11	17			47.58	8.53		5.5		SED	3.8
1706	3	28			47.27	11.39	6	6	3.9S	ZAMG	3.9
1706	4	20	9		64.00	-21.20			6.0L	IMO	6.2
1706	9	7	2		47.32	0.40		7		LLA	4.7
1706	12	2			47.28	11.51	6	6.5	4.2S	ZAMG	4.2
1711	2	9	3	30	47.45	7.62		6.5		SED	4.6
1711	10	6	19		46.93	0.05	15	7.5		LLA	5.2
1711	10	11			45.70	26.60	120	7	6.5w	Onc	6.5
1711	10	25	19	15	51.18	12.56		6.5		Gru	4.3
1712	4	10			47.82	16.24	7	7	4.6S	ZAMG	4.6
1712	8	11	23		46.30	7.02		6		SED	4.2
1714	1	13	21	30	50.80	4.80		7		ORB	4.8
1716					49.12	20.37		5	3.6S	Lab	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1716	2	3			46.07	13.62		7	5.0S	NT4.1	5.3
1717	3	31			45.42	12.32		5.5	4.2S	NT4.1	4.9
1717	7	28			44.10	15.20		7	5.2L	ZivC	4.8
1719	1	7	20	30	46.32	13.12		6.5	4.7S	NT4.1	5.2
1719	12	16	18		45.53	12.22		5.5	4.2S	NT4.1	4.9
1720	1	10	15		44.25	10.33		6	4.4S	NT4.1	5.0
1720	7	1	17		50.56	12.40		6		Gru	4.0
1720	12	20	5	30	47.50	9.67		6		GruRA	4.0
1721	1	12			45.30	14.40		9	6.0L	ZivC	5.7
1721	7	3	6	45	47.45	7.70		7		SED	5.0
1724	1	29	19	45	49.13	20.44		7	4.6S	Lab	4.6
1724	3	10	21		48.97	20.67		5	3.6S	Lab	3.6
1724	3	12			48.97	20.67		5	3.6S	Lab	3.6
1724	3	13	7		48.97	20.67		5	3.6S	Lab	3.6
1724	6	12			48.90	20.60		5	3.6S	Lab	3.6
1724	6	13			48.98	20.63		5	3.6S	Lab	3.6
1724	8	9	0		63.90	-21.50			6.0L	IMO	6.2
1725	10	28			44.25	11.80		7	5.0S	NT4.1	5.3
1726	7	7	6		46.60	7.50		5.5		SED	3.8
1727	7	19	4		51.57	-3.76	25	7	5.2L	Mus	4.8
1727	8	18			47.27	11.39	6	6.5	4.2S	ZAMG	4.2
1728	3	1	4	30	55.58	-2.81	21	4	4.2L	Mus	3.8
1728	8	3	16	30	48.83	8.22	16	7.5		Ley	5.3
1729	1	13	21	30	46.63	7.63		7		SED	5.0
1730	1	10			47.38	9.43		6		SED	4.2
1730	4	6	4		45.70	26.60	100	6	6.1w	Onc	6.1
1731	12				44.00	11.00		6.5	4.7S	NT4.1	5.2
1732	2	27			44.78	10.32		6	4.4S	NT4.1	5.0
1732	8	9			44.28	11.88		6	4.4S	NT4.1	5.0
1732	9	7	6		64.00	-20.10			6.7L	IMO	6.8
1733	4	13	21		50.01	5.70		7		ORB	4.8
1733	5	18			49.84	8.13		6.5		Vog91	4.3
1733	7	8	0	30	47.13	7.37		6		SED	4.2
1734	1	6			48.01	16.24	7	6	3.9S	ZAMG	3.9
1734	3	21	0		63.90	-20.80			6.8L	IMO	6.9
1734	6	10			45.70	26.60		6	5.2w	Onc	5.2
1734	10	25	3	50	50.20	-0.70	14		4.5L	Mus	4.1
1736	6	12	19		47.48	7.62		6		SED	4.2
1737	5	11	14	30	48.91	8.28		5.5		Vog93a	3.6
1737	5	18	21	45	48.91	8.28		7		Vog93a	4.7
1738	3	20			46.53	15.52	9	6		ZivS	3.9
1738	6	11	10		45.70	26.60	130	9.5	7.7w	Onc	7.7
1738	10	18	16	15	44.05	5.05		6		LLA	4.2
1738	11	5	0	30	44.90	10.05		7	5.0S	NT4.1	5.3
1739	2	4			46.10	18.25		6	4.4L	Zsi	4.0
1739	12	20	16	24	45.20	19.80		8		Zsi	5.2
1740	3	6	5	15	44.12	10.53		7	5.0S	NT4.1	5.3
1740	4	5	18		45.70	26.60	150	8.5	7.3w	Onc	7.3
1740	11	12			45.10	19.80		9		Zsi	5.9
1743	5	29			44.82	11.65		6.5	4.7S	NT4.1	5.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1745	2	7	7	30	57.30	8.50			4.7S	FEN	4.7
1746	7	23	17	15	44.08	10.47		6	4.4S	NT4.1	5.0
1746	10	8	6		46.03	13.38		7	5.0S	NT4.1	5.3
1746	12	7	1		45.50	24.60		8	5.9w	Onc	5.9
1750	3	18	17	45	50.23	-1.20	13		4.3L	Mus	3.9
1750	4	2	22	15	53.25	-2.82	10	5	4.0L	Mus	3.6
1750	8	23	6	45	53.50	0.50			4.7L	Mus	4.3
1750	9	30	12	30	52.56	-0.82	5	6	4.1L	Mus	3.7
1750	12	17	16		45.30	14.40		7.5	5.2L	ZivC	4.8
1751	11	14			63.50	19.50	15	6		FEN	3.7
1751	11	21	9	41	44.25	9.25		6	4.4S	NT4.1	5.0
1751	12	26			47.58	8.52		6		SED	4.2
1752	5	13	1		48.85	18.98		5	3.6S	Lab	3.6
1753	3	31			44.92	7.28		7	5.0S	NT4.1	5.3
1753	6	8	23	30	53.86	-2.15		5	4.0L	Mus	3.6
1754	1	12	22		45.30	5.63		6.5		LLA	4.4
1754	4	19	23		54.47	0.01		5	4.4L	Mus	4.0
1754	9	19	11		46.28	7.12		7		SED	5.0
1755	8	1	6	40	53.07	-0.57		5	4.2L	Mus	3.8
1755	8	28			45.97	12.60		5.5	4.2S	NT4.1	4.9
1755	10	1			47.12	9.02		6		SED	4.2
1755	10	15	0	10	45.57	5.92		6		LLA	4.2
1755	12	9	13	30	46.32	7.98		8		SED	5.8
1755	12	18			50.90	5.70		7		Hou	5.5
1755	12	21	3		46.32	8.00		6		SED	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1755	12	26	16		50.80	6.30		6.5	5.1L	Mei95	4.7
1755	12	27	0	30	50.80	6.25	18	7	5.8L	Mei95	5.5
1755	12	27	3		50.78	6.30	8	5.5	5.0L	Mei95	4.6
1755	12	27	13	30	46.30	8.00		5.5		SED	3.8
1755	12	30			46.30	7.98		6		SED	4.2
1756	1	26	3	30	50.78	6.30		5	4.8L	Mei95	4.4
1756	2	13	16	30	50.78	6.30		4	4.5L	Mei95	4.1
1756	2	14	3	30	50.78	6.30		4	4.4L	Mei95	4.0
1756	2	18	8		50.75	6.35	14	8	6.1L	Mei95	5.8
1756	2	18	9	20	50.78	6.30			4.1L	Mei95	3.7
1756	2	19	6		50.78	6.30		4.5	4.9L	Mei95	4.5
1756	2	19	10	30	46.30	8.02		5.5		SED	3.8
1756	2	20	4	30	50.78	6.30		5	5.0L	Mei95	4.6
1756	2	21	6		50.78	6.30		4	4.3L	Mei95	3.9
1756	2	25	17		50.78	6.30		5	4.3L	Mei95	3.9
1756	2	25	21		45.75	11.75		5.5	4.2S	NT4.1	4.9
1756	4	13			45.67	12.25		6.5	4.7S	NT4.1	5.2
1756	4	26	9	15	49.57	2.42		5		LLA	3.8
1756	4	30	21	15	49.55	2.37	10	6		LLA	4.2
1756	6	3	1		50.78	6.30		5.5	4.4L	Mei95	4.0
1756	6	7	7	50	47.13	6.85		6		SED	4.2
1756	6	22	23		47.13	6.90		5.5		SED	3.8
1756	8	17	10	57	45.42	11.83		6	4.4S	NT4.1	5.0
1756	10	28	22		50.78	6.30		4	4.1L	Mei95	3.7
1756	11	19	3		50.78	6.30		4.5	4.6L	Mei95	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1757	1	18	5	52	47.77	6.73		6		LLA	4.2
1757	6	27			45.85	17.38		8		ZivC	5.2
1757	7	8	3		45.80	17.30		7	4.9L	ZivC	4.5
1757	7	15	18	15	50.13	-5.46	15	5.5	4.4L	Mus	4.0
1757	10	28	0	40	49.50	0.13		6		LLA	4.2
1757	12	12	18		49.50	0.13		5.5		LLA	4.0
1759	5	26	1	30	45.18	9.17		6	4.4S	NT4.1	5.0
1759	8	10	22	10	44.88	-0.42	10	7.5		LLA	4.9
1759	8	23	4	45	50.80	6.10	4	7	4.5L	Mei95	4.1
1759	12	22	0	45	57.70	11.10			5.6S	FEN	5.6
1760	1	20	22	30	50.80	6.40	8	7	5.0L	Mei95	4.6
1762	4	15	22	30	44.00	11.33		7	5.0S	NT4.1	5.3
1762	4	18	11	30	46.50	13.00		5.5	4.2S	NT4.1	4.9
1762	7	31	12	45	50.70	6.65		5.5		Ley	3.6
1763	6	28	4	22	47.82	18.22	7	8.5	5.8S	Lab	5.8
1763	7	2			47.75	18.16		5	3.7S	Lab	3.7
1763	9	4	11		48.97	8.18		6		Ley96	4.0
1764	6	23	17	30	47.76	18.14		5	3.6S	Lab	3.6
1764	12	30	0		47.76	18.14		5	3.7S	Lab	3.7
1765	2	5	22	45	47.76	18.14		6	4.1S	Lab	4.1
1765	4	7	13		46.87	8.23		6		SED	4.2
1766	4	5	9		64.00	-19.90			6.0L	IMO	6.2
1766	8	5			47.80	16.61	7	7	4.6S	ZAMG	4.6
1766	8	16			47.80	16.61	7	7	4.6S	ZAMG	4.6
1766	8	17			48.14	17.12		5		Lab	3.7
1766	9	9	19		64.00	-21.10			6.0L	IMO	6.2
1767	1	19			51.90	8.90		5.5	4.3L	Aho	3.9
1767	1	21	7	15	44.18	10.11		7	5.0S	NT4.1	5.3
1767	2	7	3	45	44.42	8.88		6.5	4.7S	NT4.1	5.2
1767	3	17			47.76	18.14		6	4.1S	Lab	4.1
1767	4	7	1	30	47.03	-1.95	15	6		LLA	4.5
1767	4	13	0	20	51.00	9.70	15	6	4.3w	Mei01	4.3
1767	5	10			46.48	12.98		5.5	4.2S	NT4.1	4.9
1767	5	26			45.27	7.48		6.5	4.7S	NT4.1	5.2
1767	11	21			46.89	14.33	8	7	4.7S	ZAMG	4.7
1767	12	8	11		47.52	19.73		6	4.4L	Zsi	4.0
1768	2	27	1	45	47.83	16.17	7	8	5.2S	ZAMG	5.2
1768	5	15	16	15	54.32	-2.20	17	5	4.4L	Mus	4.0
1768	12	21	17		52.04	-2.16	10	5	4.1L	Mus	3.7
1769	8	4	16	15	48.75	10.83		7		Ley	4.7
1769	11	18	4		44.05	4.83		7		LLA	4.7
1769	12	1	18	30	49.87	0.80		6.5		LLA	4.4
1769	12	21	14	30	44.05	4.83		7		LLA	4.7
1770	2	26	18	30	49.87	0.80		5		LLA	3.8
1770	3	20	15	55	46.48	7.18		6.5		SED	4.6
1770	9	3	11	45	52.50	8.00		6		MG92	4.0
1770	10	7			46.50	13.00		5.5	4.2S	NT4.1	4.9
1770	10	9	6	30	47.03	8.37		6		SED	4.2
1770	11	4	1		50.25	12.43		5.5		Gru	3.6
1770	11	24	23		46.45	-1.25	15	5		LLA	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1771	1	6	16		50.25	12.43		6		Gru	4.0
1771	4	30	7	30	47.76	18.14		5	3.7S	Lab	3.7
1771	8	11	7	30	47.30	9.03		6		SED	4.2
1771	8	13			44.17	11.17		6	4.4S	NT4.1	5.0
1771	8	15			45.67	10.00		6	4.4S	NT4.1	5.0
1771	12	27			47.33	10.17		6		SED	4.2
1772	1	9	7		46.65	-0.25	15	7.5		LLA	5.2
1772	1	23			47.76	18.14		5	3.7S	Lab	3.7
1772	6	24	9	36	45.03	3.88		6		LLA	4.2
1772	7	3			47.67	9.13		7		SED	5.0
1773	1	23	16		44.37	4.80		7.5		LLA	4.9
1773	2	7	1	45	44.37	4.82		6.5		LLA	4.4
1773	2	24	8		44.37	4.82		6		LLA	4.2
1773	4	23	13		49.80	-2.20		5	4.4L	Mus	4.0
1773	11	25	17		47.03	9.02		6		SED	4.2
1773	12	31	1	15	44.67	6.63		6		LLA	4.2
1774	1	26			50.10	18.20		6		Pag	4.0
1774	2	28			46.87	9.53		6		SED	4.2
1774	3	4			44.80	10.32		6	4.4S	NT4.1	5.0
1774	4	17	23	30	46.95	7.43		7		SED	5.0
1774	9	10	15	25	46.85	8.67		8		SED	5.8
1774	9	16	4		46.85	8.55		5.5		SED	3.8
1774	10	29	13	30	59.50	7.00		5	4.6S	FEN	4.6
1775	1	23	3	25	46.85	8.55		6.5		SED	4.6
1775	8	26			46.48	13.00		5.5	4.2S	NT4.1	4.9
1775	9	8	21	45	51.73	-3.81	19	6.5	5.1L	Mus	4.7
1775	10	13	6	30	46.00	16.00		7.5	5.1L	ZivC	4.7
1775	12	30	10	34	49.17	-0.33		7		LLA	4.7
1776	4	24	16	36	45.30	14.58		7	4.9L	ZivC	4.5
1776	4	30	5	20	46.37	-1.32		5.5		LLA	4.0
1776	7	10			46.23	12.70		8.5	5.9S	NT4.1	5.8
1776	11	28	2	15	47.77	7.30		7		SED	5.0
1776	11	28	8	15	51.00	1.60			4.1L	Mus	3.7
1777	2	7	1		46.88	8.25		7		SED	5.0
1777	3	25			46.88	8.25		7		SED	5.0
1777	3	27	23	45	46.88	8.25		5.5		SED	3.8
1777	3	28			46.88	8.25		7		SED	5.0
1777	8	5	18		46.88	8.25		5.5		SED	3.8
1777	9	14	10	55	53.45	-2.30	15	6	4.4L	Mus	4.0
1778	1	18			45.50	26.60	130	7	6.5w	Onc	6.5
1778	1	27			47.25	9.55		7		SED	5.0
1778	1	28	2	30	47.25	9.63		6	3.9S	GF02	3.9
1778	2	18			44.17	10.17		6	4.4S	NT4.1	5.0
1778	4	21	3		46.48	13.00		6	4.4S	NT4.1	5.0
1778	6	11			44.22	12.05		6.5	4.7S	NT4.1	5.2
1778	11	8	19	30	46.20	16.90		8	5.4L	ZivC	5.0
1778	12	19	8		48.99	21.77	12	7	5.0S	Lab	5.0
1778	12	23	6		48.86	21.71		7	4.8S	Lab	4.8
1779	4	6	3	15	48.86	21.77		7	4.8S	Lab	4.8
1779	7	14			44.50	11.37		7	5.0S	NT4.1	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1780	2	5	22		44.48	11.33		6.5	4.7S	NT4.1	5.2
1780	2	22	18		47.03	8.32		6		SED	4.2
1780	2	25	0		50.27	7.67	2	7	4.5L	Mei95	4.1
1780	4	4	2		48.94	21.94		5	3.7S	Lab	3.7
1780	5	2	3	20	46.45	-1.30	15	6.5		LLA	4.7
1780	5	25			44.42	12.18		6.5	4.7S	NT4.1	5.2
1780	6	26	22	20	47.80	18.82		5.5	4.1L	Zsi	3.7
1780	8	29	8	45	53.11	-3.84		5	3.9L	Mus	3.6
1780	9	8	17		46.50	13.00		5.5	4.2S	NT4.1	4.9
1780	10	31	3	15	47.63	6.12		5		LLA	3.8
1780	12	9	16	30	54.30	-1.95	21	5	4.8L	Mus	4.4
1781	4	4			44.23	11.75		9	6.2S	NT4.1	6.0
1781	7	17	9	10	44.25	12.00		8	5.5S	NT4.1	5.5
1781	9	10			45.50	9.65		6.5	4.7S	NT4.1	5.2
1781	12	23	17		46.50	12.98		5.5	4.2S	NT4.1	4.9
1782	4	11	20		46.50	12.98		5.5	4.2S	NT4.1	4.9
1782	8	15	16		45.15	5.83		6		LLA	4.2
1782	10	5	20	39	53.49	-4.11		4.5	3.9L	Mus	3.6
1782	12	10	18	30	46.50	13.00		5.5	4.2S	NT4.1	4.9
1783	4	22	2	30	47.75	18.08	7	8	5.3S	Lab	5.3
1783	7	6	9	56	47.10	4.63		6		LLA	4.2
1783	7	28			45.88	10.80		6.5	4.7S	NT4.1	5.2
1783	12	9	4		50.18	3.23		6		LLA	4.2
1783	12	10	16		47.76	18.14		6	4.3S	Lab	4.3
1784	1	23			47.90	23.90		7	5.3w	Onc	5.3
1784	3	18			46.10	25.70		7	5.6w	Onc	5.6
1784	3	20			50.60	13.77		5.5		Gru	3.6
1784	3	24			46.08	14.50		6.5		ZivS	4.2
1784	6	15			47.76	18.14		6	4.3S	Lab	4.3
1784	8	7	3	40	47.76	18.14		6	4.3S	Lab	4.3
1784	8	14	16	35	64.00	-20.50			7.1L	IMO	7.1
1784	8	16	15	13	63.90	-20.90			6.7L	IMO	6.8
1784	10	15	12	3	45.63	5.92		6.5		LLA	4.4
1784	11	12			49.30	8.10		6		Ley	4.0
1784	11	29	22	10	47.62	7.25		6		LLA	4.2
1785	8	22	7		49.70	19.00	35	6.5		Pag	4.8
1785	9	12			45.08	7.17		7	5.0S	NT4.1	5.3
1785	11	18			46.60	10.10		7		SED	5.0
1786	2	14	0		50.00	17.50		5.5		Zsi	3.7
1786	2	15			46.80	23.60		7	5.3w	Onc	5.3
1786	2	27	1		50.00	18.00		6.25		Pag	4.2
1786	2	27	3		49.68	18.52		7.5	4.9S	Lab	4.9
1786	4	7			45.28	9.58		6.5	4.7S	NT4.1	5.2
1786	4	11	9		46.08	14.50	13	6		ZivS	4.1
1786	7	8	5		47.76	18.14		5	3.7S	Lab	3.7
1786	8	11	1	55	54.53	-3.68	16	6.5	5.0L	Mus	4.6
1786	11	24	6		44.65	8.02		5.5	4.2S	NT4.1	4.9
1786	12	3	17		49.70	20.00	40	7		Pag	5.2
1786	12	25			44.07	12.57		8	5.5S	NT4.1	5.5
1786	12	28	13		46.50	13.00		5.5	4.2S	NT4.1	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1787	1	18			45.70	26.60	120	7	6.5w	Onc	6.5
1787	3	16			45.70	26.60	100	6	5.9w	Onc	5.9
1787	4	25	19		46.50	12.98		5.5	4.2S	NT4.1	4.9
1787	7	26	7	15	44.84	11.63		6.5	4.7S	NT4.1	5.2
1787	11	4	3		49.78	8.59	8	6		Vog93b	3.9
1787	12	9	22		46.50	13.00		5.5	4.2S	NT4.1	4.9
1788					45.20	19.90		8		Zsi	5.2
1788	10	20			46.38	13.02		8.5	5.9S	NT4.1	5.8
1789	1	18	15		50.10	8.50		5.5		Ley96	3.6
1789	3	26			45.70	26.60	100	6	5.9w	Onc	5.9
1789	8	4			46.28	12.80		5.5	4.2S	NT4.1	4.9
1789	8	26	9	30	50.55	12.12		6		Gru	4.0
1790	4	6	19	29	45.70	26.60	150	8	7.1w	Onc	7.1
1790	7	26	16	45	44.17	10.00		6.5	4.7S	NT4.1	5.2
1792	2	25	20	40	52.53	-0.63		5	4.1L	Mus	3.7
1792	10	20			46.48	12.98		6	4.4S	NT4.1	5.0
1793	11	26	18		45.70	26.60	100		5.9w	Onc	5.9
1793	12	8			45.70	24.50		7	6.2w	Onc	6.2
1794	1	1	15	30	57.80	9.20			4.5S	FEN	4.5
1794	2	6	12	18	47.38	15.09	8	8	5.4S	ZAMG	5.4
1794	5	12	10	59	47.27	11.39	6	6	3.9S	ZAMG	3.9
1794	6	7			46.28	12.80		7.5	5.2S	NT4.1	5.5
1795	11	18	23		53.09	-1.33	10	6.5	4.7L	Mus	4.3
1795	12	6			47.20	9.42		7		SED	5.0
1796	3	4	0		48.60	10.40		6		Ley	4.0
1796	4	20	6	12	47.20	9.42		8.5		SED	6.2
1796	10	22			44.63	11.68		7	5.0S	NT4.1	5.3
1797	10	19			46.20	21.30		7	5.0w	Onc	5.0
1797	10	30	5		46.50	13.00		5.5	4.2S	NT4.1	4.9
1798	3	14	7		45.70	26.60	100		5.9w	Onc	5.9
1798	3	14	10		49.10	7.40		5.5		Ley	3.6
1799	1	25	3	45	46.97	-2.10	15	7.5		LLA	5.2
1799	4	19	18	30	64.00	6.50			5.0S	FEN	5.0
1799	5	29	19		45.50	10.25		6.5	4.7S	NT4.1	5.2
1799	10	26	4		46.48	12.98		6	4.4S	NT4.1	5.0
1800					47.10	27.50		6	4.5w	Onc	4.5
1801	7	18	18		46.50	13.00		6	4.4S	NT4.1	5.0
1801	9	7	6		56.40	-3.99	9	6	4.6L	Mus	4.2
1801	10	8			44.48	11.33		5.5	4.2S	NT4.1	4.9
1801	12	16	16	15	46.97	1.95		5		LLA	3.8
1802	1	3	6	30	45.40	14.30		8	5.4L	ZivC	5.0
1802	5	12	9	30	45.38	9.83		8	5.5S	NT4.1	5.5
1802	9	11	15		48.60	7.80	2	7		Ley	4.2
1802	10	26	10	55	45.70	26.60	150		7.9w	Onc	7.9
1802	11	8	23	30	48.60	7.80	2	7		Ley	4.2
1803	3	1	16		46.48	13.00		5.5	4.2S	NT4.1	4.9
1803	12	12	15	30	45.92	6.83		6		SED	4.2
1805					48.58	17.68		6	4.3S	Lab	4.3
1805	11	30	5		46.57	9.78		6		SED	4.2
1806	2	12			44.83	10.67		7	5.0S	NT4.1	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1806	7	30	20		48.14	17.12		5	3.7S	Lab	3.7
1806	9	22	19	45	47.76	18.14		7.5	5.1S	Lab	5.1
1807	3	23	11	15	44.58	2.52		5.5		LLA	4.0
1807	9	5	1	30	44.00	8.50		6	4.4S	NT4.1	5.0
1807	9	11	20	30	50.42	7.45		6		Ley	4.0
1808	3	27	5	15	48.60	7.75		6.5		Ley	4.3
1808	4	2			44.82	7.28		8	5.5S	NT4.1	5.5
1809	11	17	21	40	48.99	21.20		7	4.8S	Lab	4.8
1810	1	14	18	9	47.38	18.20	18	8	5.4L	Zsi	5.0
1810	1	21	3		47.38	18.20		6	4.4L	Zsi	4.0
1810	5	1			45.75	10.83		6	4.4S	NT4.1	5.0
1810	5	27	9		47.38	18.20		7	5.0L	Zsi	4.6
1810	6	3			47.38	18.20		5.5	4.1L	Zsi	3.7
1810	6	24	15		47.38	18.20		6	4.4L	Zsi	4.0
1810	7	18			47.58	14.46	6	7	4.5S	ZAMG	4.5
1810	12	21	17	30	47.38	18.20		6	4.4L	Zsi	4.0
1810	12	25	0	45	44.83	10.72		7	5.0S	NT4.1	5.3
1811	6	6	22	15	46.87	9.53		6		SED	4.2
1811	7	15	22	44	44.58	10.68		7	5.0S	NT4.1	5.3
1811	9	6	2		47.38	18.20		5.5	4.1L	Zsi	3.7
1811	10	4	20	50	47.55	15.56	8	6.5	4.4S	ZAMG	4.4
1811	12	12	20		50.63	12.97	7	5.5		Gru	3.5
1812	3	5	12	30	45.70	26.60	130	7	6.5w	Onc	6.5
1812	5	13	13		50.70	6.65		6.5		Ley	4.3
1812	7	17	4		47.73	7.67	3	6.5		Ley	3.9
1812	10	25	7		46.17	12.78		7.5	5.2S	NT4.1	5.5
1813	2	1			45.70	26.60	120	6	5.9w	Onc	5.9
1813	6	3	11	15	48.28	-0.67		5.5		LLA	4.0
1813	8	17			46.68	15.85	11	7		ZivS	4.5
1813	9	21			44.28	11.88		7	5.0S	NT4.1	5.3
1813	9	22	1	30	46.83	9.80		6		SED	4.2
1813	12	26	13	30	45.30	18.40		7	4.9L	ZivC	4.5
1814	4	28			47.27	11.39	6	6	3.9S	ZAMG	3.9
1814	5	7	17	15	47.38	18.20		6	4.4L	Zsi	4.0
1814	11	6	5	45	45.85	4.83		5		LLA	3.8
1815	2	26	6		45.70	11.38		5.5	4.2S	NT4.1	4.9
1816	3	17	12	45	53.09	-1.18	5	7	4.2L	Mus	3.8
1816	8	13	22	45	57.43	-4.33	18	7	5.1L	Mus	4.7
1816	8	13	23	15	57.43	-4.33		4	4.7L	Mus	4.3
1817	3	11	21	25	45.90	6.83		7		LLA	4.7
1817	4	23	6	30	56.70	-4.94			4.5L	Mus	4.1
1817	5	28	19	30	46.10	18.25		6	4.4L	Zsi	4.0
1817	8	11	10		48.81	19.67		5	3.7S	Lab	3.7
1817	9	30	7		45.70	26.60	120		5.9w	Onc	5.9
1818	11	5	0		50.80	6.10		6		Ley	4.0
1818	12	9	18	52	44.67	10.27		7.5	5.2S	NT4.1	5.5
1819	5	2	14		46.00	14.02	10	6.5		ZivS	4.2
1819	8	31	13		66.40	14.40		7	5.8S	FEN	5.8
1820	7	17	6	30	47.35	11.71	6	7	4.5S	ZAMG	4.5
1821	2	10	0	30	45.70	26.60	150	7	6.6w	Onc	6.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1821	2	20			56.60	25.30		6.5		Bob	4.0
1821	9	29			45.70	26.60	150	6.5	6.1w	Onc	6.1
1821	10	7	13	30	48.05	6.55		5		LLA	3.8
1821	11	17	13	45	45.70	26.60	130	7	6.5w	Onc	6.5
1822	2	18	16	15	47.75	18.25		8	5.4S	Lab	5.4
1822	2	19	8	45	45.82	5.82	15	7.5		LLA	5.2
1822	8	12	2	30	46.05	14.50		6		ZivS	4.0
1822	11	28	10	45	48.50	8.40	11	6.5		Ley	4.4
1823	1	5	2		47.90	23.90		7	5.0w	Onc	5.0
1823	2	9	16	50	45.70	26.60	120		5.9w	Onc	5.9
1823	5	24	18	43	45.87	15.42	7	6		ZivS	3.7
1823	11	21	21	30	48.12	7.68	3	6.5		Ley	3.9
1823	11	24	17		59.40	14.50	25	6		FEN	3.8
1823	12	3	21		48.12	7.68	3	6		Ley	3.6
1823	12	13	3		45.82	5.68		5.5		LLA	4.0
1824	1	13	13		50.33	12.51		5.5		Gru	3.6
1824	1	19	16	30	50.22	12.57	9	5.5		Gru	3.6
1825	2	21	2	30	46.77	14.35	8	6	4.1S	ZAMG	4.1
1825	4	6	12	30	46.62	15.17	12	6		ZivS	4.0
1825	12	23	5		48.57	7.83	10	5.5		Ley	3.6
1826	5	15			47.58	14.46	6	6	3.8S	ZAMG	3.8
1826	6	24	12	15	45.60	10.52		5.5	4.2S	NT4.1	4.9
1826	10				44.08	11.75		6	4.4S	NT4.1	5.0
1826	10	16			45.70	24.50		6	5.5w	Onc	5.5
1826	12	15	19		47.20	9.68		6		SED	4.2
1827	1	2	18		48.52	0.35		6		LLA	4.2
1827	1	24			46.77	7.57		6		SED	4.2
1827	2	26	20		46.28	8.00		6		SED	4.2
1827	4	2	0	20	46.73	10.18		7		SED	5.0
1827	10	14	18	45	45.70	26.60	140		5.9w	Onc	5.9
1827	11	21	2		46.58	7.90		5.5		SED	3.8
1828	2	8	14	20	48.40	9.32	4	6.5		Ley	4.0
1828	2	23	8	30	50.60	4.90		8		ORB	5.6
1828	4	8			44.07	11.98		6	4.4S	NT4.1	5.0
1828	4	11	23	30	44.00	14.00		7	5.1L	ZivC	4.7
1828	10	8			44.22	12.05		6.5	4.7S	NT4.1	5.2
1828	10	9			44.82	9.10		7.5	5.2S	NT4.1	5.5
1828	10	26	11	30	47.28	6.08		6		LLA	4.2
1828	10	30	7	20	47.28	6.08		7		LLA	4.7
1828	12	3	18	30	50.80	6.10	9	7		Ley	4.7
1828	12	13	20	40	46.77	7.35		6		SED	4.2
1828	12	15	20	50	47.57	9.58	12	6		Ley	4.0
1829	2	2	21	45	63.90	-20.00			6.0L	IMO	6.2
1829	7	1	19	30	47.50	22.20	35	7	6.2w	Onc	6.2
1829	8	7	3		48.07	6.77		5		LLA	3.8
1829	9	6	19	30	45.13	10.02		6.5	4.7S	NT4.1	5.2
1829	11	2	9	30	45.80	15.20	8	6		ZivS	3.8
1829	11	25	19	30	45.80	15.20	10	5.5		ZivS	3.7
1829	11	26	1	40	45.80	26.60	150	8.5	7.3w	Onc	7.3
1829	11	27	16	5	46.07	-1.33		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1829	12	10	19	55	45.80	15.20	10	6		ZivS	3.9
1830	1	22			47.30	23.20	5	6	4.5w	Onc	4.5
1830	1	26	4	30	44.08	11.00		6	4.4S	NT4.1	5.0
1830	6	8	7	10	47.61	15.67	8	6.5	4.4S	ZAMG	4.4
1830	6	26	4	57	47.38	15.09	8	6.5	4.4S	ZAMG	4.4
1830	7	1	4		48.00	23.60	10	6		KSh	3.6
1830	7	11	9	15	48.75	19.35		7	4.6S	Lab	4.6
1830	8	2	10		46.00	15.50		7		ZivS	4.4
1830	8	11	12	20	46.49	14.27	7	6	3.9S	ZAMG	3.9
1830	9	12	10	45	48.25	9.47		5.5		GruRA	3.6
1831	1	29	22	30	47.97	6.53		5		LLA	3.8
1831	4	29	17	30	47.93	2.13		5		LLA	3.8
1831	8	3			45.70	26.60	100	6	6.1w	Onc	6.1
1831	9	11	18	15	44.73	10.45		7	5.0S	NT4.1	5.3
1832	2	19	7	8	45.40	24.20		8	5.6w	Onc	5.6
1832	3	13	3	20	44.76	10.60		7.5	5.2S	NT4.1	5.5
1832	12	30	8	25	51.65	-3.95	5	6	4.3L	Mus	3.9
1833	10	9	13	15	45.58	3.18		6		LLA	4.2
1833	10	18	8	40	45.33	3.20		7		LLA	4.7
1833	11	20	0	25	46.37	14.30	11	5		ZivS	3.5
1834	2	2	8	2	45.77	14.23	13	5		ZivS	3.6
1834	2	14	13	15	44.45	9.87		8.5	5.9S	NT4.1	5.8
1834	7	4	0	35	44.47	9.88		6.5	4.7S	NT4.1	5.2
1834	8	17	23	30	61.50	4.10			4.9S	FEN	4.9
1834	9	3	19		59.50	7.90	75	5	5.0S	FEN	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1834	10	4	19		44.50	11.42		7	5.0S	NT4.1	5.3
1834	10	15	6		47.60	22.30		8	5.6w	Onc	5.6
1835	4	18	17	25	46.68	7.83		6		SED	4.2
1835	4	20	3		44.42	9.83		6.5	4.7S	NT4.1	5.2
1835	4	21	20	30	45.70	26.60	130	7	6.5w	Onc	6.5
1835	5	23			44.33	7.50		6.5	4.7S	NT4.1	5.2
1835	8	20	3	30	54.02	-2.69	11	5.5	4.4L	Mus	4.0
1835	9	14	16	15	45.95	-0.52		5.5		LLA	4.0
1835	10	29	2	47	47.42	9.42		6.5		SED	4.6
1835	10	31	2	30	47.38	9.37		6		SED	4.2
1835	10	31	7	30	46.88	13.51	8	5.5	3.9S	ZAMG	3.9
1836	6	12	2	30	45.78	11.75		7.5	5.2S	NT4.1	5.5
1836	6	29	1	28	46.07	14.65	9	6		ZivS	3.9
1836	7	12	13		46.00	17.50		7.5		Zsi	4.9
1836	11	5	6		47.47	7.55	2	6.5	3.9L	SED	3.6
1836	11	12	23		46.20	16.20		7.5	5.2L	ZivC	4.8
1836	11	18	4		46.20	15.90		7	4.9L	ZivC	4.5
1837	1	24	0	58	46.32	7.97		7		SED	5.0
1837	1	24	1	30	46.58	8.10		6		SED	4.2
1837	3	14	15	40	47.61	15.67	8	7	4.7S	ZAMG	4.7
1837	4	11	16	50	44.17	10.18		9.5	6.4S	NT4.1	6.2
1837	5				46.70	2.28		5		LLA	3.8
1837	6	21	10		46.50	14.84	8	6		ZivS	3.8
1837	9	22	11	30	45.90	16.00		7	4.9L	ZivC	4.5
1837	11	12	22		47.72	7.47		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1838	1	23	18	45	45.70	26.60	150	9	7.5w	Onc	7.5
1838	7	31	15		46.42	16.18	7	6		ZivS	3.8
1838	8	10	19	30	45.30	14.60		7	4.9L	ZivC	4.5
1838	8	26			46.30	16.30		7	4.9L	ZivC	4.5
1839	2	7	4	30	49.12	20.37		5	3.7S	Lab	3.7
1839	2	7	20	47	48.90	9.01	8	5	3.6w	FGS01	3.6
1839	2	10	20	30	46.02	3.20		5.5		LLA	4.0
1839	3	22	4	15	46.40	16.12	8	6.5		ZivS	4.0
1839	3	26	15	50	45.20	6.20		5.5		LLA	4.0
1839	4	3	18	30	45.20	5.85		6		LLA	4.2
1839	7	11	13		47.45	19.68		5.5	4.1L	Zsi	3.7
1839	8	9	8	45	45.50	10.17		6	4.4S	NT4.1	5.0
1839	8	11	20		45.90	6.13		7		LLA	4.7
1839	8	16	17	30	45.90	6.12		7		SED	5.0
1839	10	23	22	15	56.41	-3.96	9	7	4.8L	Mus	4.4
1839	10	23	22	45	56.40	-3.88		5	4.1L	Mus	3.7
1840	4	25	22	30	49.40	20.40		7		Pag	4.7
1840	6	26			49.40	20.37		6	4.4L	Zsi	4.0
1840	8	27	12	5	46.22	14.73	8	7.5		ZivS	4.6
1840	8	30	5	45	46.22	14.70	8	6.5		ZivS	4.1
1840	9	2	20	20	44.07	4.77		5.5		LLA	4.0
1840	9	24	21		46.25	14.75	11	6		ZivS	4.0
1841	4	1	10	30	47.76	18.14		5	3.7S	Lab	3.7
1841	4	3	15	40	57.00	8.50	20	6	4.5S	FEN	4.5
1841	7	5	0	30	46.93	1.28		7		LLA	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1841	7	13	12	30	47.82	16.24	7	7	4.6S	ZAMG	4.6
1841	7	30	14	20	56.39	-4.03		6.5	3.9L	Mus	3.6
1841	10	6	3		46.42	13.00		6	4.4S	NT4.1	5.0
1841	10	15	22		45.17	11.15		6	4.4S	NT4.1	5.0
1841	10	24	12	10	47.76	18.14		7	4.6S	Lab	4.6
1841	10	24	14	8	50.90	6.90	4	7		Ley	4.4
1841	12	2	19	53	45.78	5.92		6.5		LLA	4.4
1842	3	30	0	30	46.23	7.12		6		SED	4.2
1842	4	28	6	15	46.88	6.77		5.5		SED	3.8
1842	8	31	10	30	46.47	17.00		6	4.4L	Zsi	4.0
1843	3	17	0	55	54.00	-3.60	15	5.5	5.1L	Mus	4.7
1843	4	6	5	30	51.60	5.60	12	5.5	4.5L	Hou	4.1
1843	9	6	8	20	47.33	6.87		6		SED	4.2
1843	9	10			45.70	26.60	100	6	5.9w	Onc	5.9
1843	10	5	9		48.02	-1.55	15	5		LLA	4.0
1843	10	25	3	22	44.03	11.22		7	5.0S	NT4.1	5.3
1843	12	22	15	53	49.50	-3.00		7	4.4L	Mus	4.0
1844	1	14	13	5	56.44	-4.11		4.5	3.9L	Mus	3.6
1844	3	6	19	10	45.70	26.60	110	6	6.0w	Onc	6.0
1844	3	10	17	15	44.22	12.05		6.5	4.7S	NT4.1	5.2
1844	11	5	8	30	47.90	23.90	6	5.5	3.5w	Onc	3.5
1844	12	31			48.77	19.28		5	3.7S	Lab	3.7
1845	5	9	13		47.76	18.14		6	4.3S	Lab	4.3
1845	12	21	20	40	46.08	14.52	7	7.5		ZivS	4.5
1845	12	22	1		46.08	14.52		6		ZivS	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1846	7	29	21	24	50.15	7.68	10	7	5.5L	Mei95	5.1
1846	8	17	5	45	46.78	6.58		6		SED	4.2
1846	8	17	6	15	46.77	6.58		7		SED	5.0
1846	11	14	12	35	46.98	0.60		5.5		LLA	4.0
1846	11	24	23	57	56.40	-3.94	8	6	4.4L	Mus	4.0
1847	4	7	19	30	50.46	11.14	17	6		NG95	4.2
1847	7	10	22	50	49.68	0.42		6		LLA	4.2
1847	8	30			47.51	15.45	8	6	4.0S	ZAMG	4.0
1847	10	14	21		46.63	1.42		5		LLA	3.8
1847	10	15	6	15	46.20	21.30		7	5.0w	Onc	5.0
1847	10	15	7	52	44.83	0.97		5.5		LLA	4.0
1847	11	29	22		46.23	15.20	9	5.5		ZivS	3.7
1847	11	30	6	30	45.03	5.17		5.5		LLA	4.0
1848	1	1			45.70	26.60	130	7	6.5w	Onc	6.5
1848	5	16	5		46.77	6.03		5.5		LLA	4.0
1848	11	13	17	30	48.17	-0.57		5		LLA	3.8
1848	12	30	18	30	49.50	0.37		6		LLA	4.2
1849	1	6	3		44.08	11.50		6	4.4S	NT4.1	5.0
1849	2	3	11		46.82	5.55		5		LLA	3.8
1849	5	26	22		48.42	-4.55	15	5		LLA	4.0
1849	6	18	6	25	44.20	7.57		6	4.4S	NT4.1	5.0
1849	8	3	22	25	44.95	5.72		5.5		LLA	4.0
1849	10	1	0	30	45.53	6.32		6		LLA	4.2
1849	11	28	18	15	44.48	9.77		6.5	4.7S	NT4.1	5.2
1850	7	10	2	30	46.13	14.00	17	6		ZivS	4.2
1850	7	15	2	45	50.18	12.76		5.5		Gru	3.6
1850	9	1	9	45	46.80	11.95		6	4.4S	NT4.1	5.0
1850	9	18	6	10	44.63	10.92		6	4.4S	NT4.1	5.0
1851	1	1			46.28	7.98		6		SED	4.2
1851	3	10	16	13	47.63	9.50	8	6		Ley	3.9
1851	4	13	12		58.70	10.70	18	6		FEN	3.7
1851	7	1	21	15	47.74	18.15		7.5	5.1S	Lab	5.1
1851	7	12	15	40	48.08	6.63		5		LLA	3.8
1851	8	3			46.03	10.72		6	4.4S	NT4.1	5.0
1851	8	24	1	30	46.50	8.08		6		SED	4.2
1852	1	26	2	16	44.88	-0.47	10	6		LLA	4.2
1852	7	29	12	40	46.43	9.85		6		SED	4.2
1852	7	29	13		46.43	9.85		6		SED	4.2
1852	11	9	4	25	53.05	-4.43	21	6	5.3L	Mus	4.9
1852	11	15	22	30	48.64	17.16		6	4.3S	Lab	4.3
1852	11	16	17	10	46.13	15.03	11	5		ZivS	3.5
1852	11	17	14	3	46.13	15.03	6	6.5		ZivS	3.9
1853	1	16	1	30	45.90	15.63	5	7		ZivS	4.0
1853	1	17	1		45.90	15.63	7	6		ZivS	3.7
1853	2	5	2		56.70	25.60		6		Bob	3.6
1853	2	19	10		46.38	13.10		7	5.0S	NT4.1	5.3
1853	2	19	14	30	57.51	-4.84		4.5	3.9L	Mus	3.6
1853	4	1	22	45	49.15	-1.70	21	7	5.2L	Mus	4.8
1853	8	11	10	10	47.22	7.57		7		SED	5.0
1853	12	29			56.90	24.00		6		Bob	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1854	1	5			56.90	24.00		6		Bob	3.6
1854	6	16	13	25	44.33	11.75		7	5.0S	NT4.1	5.3
1854	10	2	3	14	47.78	19.13		5.5	4.1L	Zsi	3.7
1854	10	28	12	15	45.70	26.60	150	7	6.5w	Onc	6.5
1855	2	13	10	27	45.43	6.50		6		LLA	4.2
1855	3	18	6	15	46.61	13.85	7	6	3.9S	ZAMG	3.9
1855	7	25	11	50	46.23	7.85		8.5		SED	6.2
1855	7	26	9	15	46.23	7.88		8		SED	5.8
1855	7	26	13	20	46.23	7.82		7.5		SED	5.3
1855	7	28	10		46.25	7.82		7		SED	5.0
1855	8	24			46.25	7.88		6		SED	4.2
1855	8	26	9		46.25	7.92		6		SED	4.2
1855	9	13	0	30	47.22	0.87		5		LLA	3.8
1855	10	28	1	45	46.25	7.92		7		SED	5.0
1855	11	6	3	30	46.23	7.92		6		SED	4.2
1856	2	1	8	20	47.22	7.57		6		SED	4.2
1856	8	6	13	45	46.25	7.87		6.5		SED	4.6
1856	9				46.15	12.37		5	3.9S	NT4.1	4.7
1856	9	27	5	53	46.05	14.50	13	5.5		ZivS	3.9
1856	11	9	22	17	45.87	14.50	8	7		ZivS	4.3
1856	11	10	7	30	45.87	14.50	13	5.5		ZivS	3.9
1856	11	27	5	53	46.01	14.50	13	5.5		ZivS	3.9
1857	1	24	7	3	50.12	3.25		5		LLA	3.8
1857	1	25	9	15	45.82	4.93		5		LLA	3.8
1857	2	1			44.75	10.47		6.5	4.7S	NT4.1	5.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1857	2	14	4	45	47.52	6.92		5		LLA	3.8
1857	3	7	2	56	46.20	14.00	19	7.5		ZivS	5.1
1857	3	10	3		45.90	12.10		5.5	4.2S	NT4.1	4.9
1857	5	18	9		57.80	22.20	1	7		FEN	3.8
1857	6	7	15	7	50.82	12.09	12	5.5		Gru	3.7
1857	6	9	15	47	47.76	18.14		6	4.3S	Lab	4.3
1857	8	27	23	15	46.78	10.25		5.5		SED	3.8
1857	8	28			46.78	10.27		7		SED	5.0
1857	10	16	3	30	45.30	18.40		7	4.9L	ZivC	4.5
1857	10	19	12		45.57	14.25	20	5		ZivS	3.8
1857	11	4	7	15	46.23	7.87		5.5		SED	3.8
1857	12	24			47.58	14.46	6	6	3.8S	ZAMG	3.8
1857	12	25	1	30	46.59	14.02	7	7	4.6S	ZAMG	4.6
1858	1	15	19	15	49.22	18.76	7	7.5	5.1S	Lab	5.1
1858	2	5	3	45	46.23	7.90		5.5		SED	3.8
1858	5	24	19		50.00	8.30	3	7		Ley	4.3
1858	8	30			44.18	7.30		6.5	4.7S	NT4.1	5.2
1858	10	20	21		46.38	15.42	9	5.5		ZivS	3.7
1858	10	21	2		46.38	15.42	7	6		ZivS	3.8
1858	10	24	15	14	49.22	18.76		6	4.3S	Lab	4.3
1858	10	25			44.88	7.32		6	4.4S	NT4.1	5.0
1859	1	20	7	55	45.87	12.20		6.5	4.7S	NT4.1	5.2
1859	4	28	6	45	47.39	11.77	6	6	3.9S	ZAMG	3.9
1859	5	13	20	15	45.28	4.17		5		LLA	3.8
1859	9	29	8	30	46.13	12.22		5.5	4.2S	NT4.1	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1859	10	17	9	30	46.10	20.90		7	5.0w	Onc	5.0
1859	10	21	18	45	50.57	-5.06	7	5	4.0L	Mus	3.6
1859	12	21	21	30	47.90	23.90	6	5.5	3.5w	Onc	3.5
1860	1	13	22	54	50.46	-5.31	8	5.5	4.0L	Mus	3.6
1860	3	24	4		47.33	-3.17		5		LLA	3.8
1860	5	8	5	30	45.92	15.62	3	6.5		ZivS	3.5
1860	7	19	15	38	45.90	12.05		7	5.0S	NT4.1	5.3
1861	3	16	0	30	44.33	9.60		6	4.4S	NT4.1	5.0
1861	4	12	3	10	47.95	5.75		5		LLA	3.8
1861	5	15	0	30	45.23	17.38		6	4.3L	ZivC	3.9
1861	5	19	19	45	45.75	11.92		6.5	4.7S	NT4.1	5.2
1861	10	16			44.22	12.05		6.5	4.7S	NT4.1	5.2
1861	11	8			48.71	18.97		5.5	3.8S	Lab	3.8
1861	11	14	21		47.35	8.87		6		SED	4.2
1861	12	18	8	20	45.20	16.20		7.5	5.2L	ZivC	4.8
1862	1	13	0	55	48.65	19.05		6	4.3S	Lab	4.3
1862	1	25	0	20	46.49	14.27	7	6	3.9S	ZAMG	3.9
1862	3	18	20	45	48.46	18.96		5	3.7S	Lab	3.7
1862	4	17	8	10	47.58	5.17		5		LLA	3.8
1862	4	18	2	30	47.76	18.14		5	3.7S	Lab	3.7
1862	5	27	0	20	46.75	12.42	8	6.5	4.4S	ZAMG	4.4
1862	10	16	1	10	45.70	26.60	130	7	6.5w	Onc	6.5
1863	1	22	9	45	45.50	15.00	13	6		ZivS	4.1
1863	2	13	3	50	46.93	5.90		5		LLA	3.8
1863	9	18	18	20	45.57	2.82		5		LLA	3.8
1863	9	19	19	15	45.57	2.82		5		LLA	3.8
1863	9	30	7	20	47.76	18.14		5	3.7S	Lab	3.7
1863	10	4	15	10	49.47	0.88	15	5		LLA	4.0
1863	10	6	3	22	52.03	-2.95	25	6	5.4L	Mus	5.0
1864	3	15			44.35	11.05		6.5	4.7S	NT4.1	5.2
1864	7	16	9	10	47.75	1.20		5		LLA	3.8
1864	9	1	11	5	48.91	18.18		6	4.3S	Lab	4.3
1864	12	11	17	40	44.07	11.37		7	5.0S	NT4.1	5.3
1865	1	21			47.49	12.07	6	6	3.9S	ZAMG	3.9
1865	3	27	1		45.40	6.50		5		LLA	3.8
1865	5	7	13	20	59.00	6.10	57	5	4.9S	FEN	4.9
1865	7	13			47.05	16.18	8	6	4.0S	ZAMG	4.0
1866	2	27	19	57	47.76	18.14		5	3.7S	Lab	3.7
1866	3	9	1	20	65.20	6.00			5.7S	FEN	5.7
1866	4	14			47.15	10.02		6		SED	4.2
1866	4	21	17	45	47.76	18.14		5	3.7S	Lab	3.7
1866	5	19	9	12	44.35	6.03		7.5		LLA	4.9
1866	7	7	6	42	45.30	14.50		7	4.9L	ZivC	4.5
1866	8	11	23		45.72	10.78		7	5.0S	NT4.1	5.3
1866	9	1	20	30	46.42	-0.20	15	5.5		LLA	4.3
1866	9	14	5	10	46.85	1.20	15	7		LLA	4.9
1866	11	4	10	25	48.10	28.10	10	6.5		KSh	4.0
1866	12	1	7	15	48.34	17.34		5	3.7S	Lab	3.7
1867	2	12	12	3	46.05	14.50	14	5		ZivS	3.7
1867	5	14	3		46.80	6.75		6		SED	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1867	12	17	11		47.07	7.23		6		SED	4.2
1868	2	20	20		45.62	10.72		6	4.4S	NT4.1	5.0
1868	4	4	1	40	48.57	-2.28		5		LLA	3.8
1868	5	22	21		45.88	11.03		5.5	4.2S	NT4.1	4.9
1868	6	21	5	30	47.51	19.94		7	4.9L	ZsiP	4.5
1868	8	5	5	20	45.03	3.88		5		LLA	3.8
1868	8	20	20	20	47.50	20.07		6	4.4L	Zsi	4.0
1868	8	22	16	30	47.50	20.07		6	4.4L	Zsi	4.0
1868	10	30	22	35	51.73	-3.67	24	5.5	4.9L	Mus	4.5
1868	11	13	7	45	45.70	26.60	150	7.5	6.8w	Onc	6.8
1868	11	27	20	30	45.70	26.60	135	7	6.5w	Onc	6.5
1869	5	29	20	37	48.73	19.16		6	4.3S	Lab	4.3
1869	6	25			44.32	11.05		7.5	5.2S	NT4.1	5.5
1869	10	2	23	45	50.43	7.55	9	7		Ley	4.7
1869	10	13	3	30	46.35	14.17	7	7		ZivS	4.2
1869	10	30	20	4	49.90	8.50	3	6		Ley	3.6
1869	10	31	15	25	49.92	8.48	2	7		Ley	4.2
1869	10	31	17	26	49.92	8.48	5	7		Ley	4.5
1869	11	1	4	7	49.92	8.48	6	7		Ley	4.5
1869	11	1	23	48	49.90	8.50	10	7		Ley	4.7
1869	11	2	21	26	49.92	8.48	6	7		Ley	4.5
1869	11	3	3	48	49.90	8.50	5	6.5		Ley	4.1
1869	11	22	7	8	49.90	8.50	6	6		Ley	3.8
1869	11	29	16	38	45.67	7.25		5.5	4.2S	NT4.1	4.9
1869	12	13	2	53	44.50	10.75		6.5	4.7S	NT4.1	5.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1870	1	5	4		48.37	17.16		6	4.3S	Lab	4.3
1870	1	18	0	15	47.65	15.92	7	6	3.9S	ZAMG	3.9
1870	3	1	19	57	45.40	14.40		8	5.4L	ZivC	5.0
1870	3	2	2		46.10	14.90	4	7		ZivS	4.0
1870	10	30			44.12	12.05		8	5.5S	NT4.1	5.5
1870	12	21	16		48.00	23.60	7	6.5		KSh	3.9
1871	2	10	5	32	49.67	8.50	7	7		GHK99	4.6
1871	2	12	10	24	49.83	8.80	3	6		Ley	3.6
1871	2	21	15	55	48.50	8.40	8	6		Ley	3.9
1871	3	17	18	35	54.71	-2.47	10	4	3.9L	Mus	3.6
1871	3	17	23	4	54.71	-2.47	21	5	4.9L	Mus	4.5
1871	9	12	7	35	46.58	4.58		5		LLA	3.8
1871	11	2	1	20	45.80	27.50		6	5.3w	Onc	5.3
1871	12	2			45.90	15.00	5	7		ZivS	4.0
1872	3	6	15	55	50.86	12.28	12	7	5.0w	GS01	5.0
1872	4	18	10		66.00	-17.50			6.3L	IMO	6.4
1872	4	18	11		66.20	-17.90			6.3L	IMO	6.4
1872	5	14	17	45	46.10	13.43		6.5	4.7S	NT4.1	5.2
1872	5	19	19	40	45.30	25.20		4	3.9w	Onc	3.9
1872	8	8	5	10	47.27	11.39	6	6	3.9S	ZAMG	3.9
1872	11	27	7	20	46.82	10.33		5.5		SED	3.8
1872	12	26	13	40	48.40	23.30	5	7		KSh	4.2
1873	1	3	18		48.25	15.96	4	6.5	3.7S	ZAMG	3.7
1873	1	8	12	45	45.87	14.25	17	4.5		ZivS	3.5
1873	4	10	19	30	46.87	7.32		6		SED	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1873	5	16	19	35	44.60	10.70		6.5	4.7S	NT4.1	5.2
1873	6	29	3	55	46.18	12.38		9.5	6.4S	NT4.1	6.2
1873	7	14	23	45	44.47	4.75		6.5		LLA	4.4
1873	7	19	3	50	44.48	4.72		7.5		LLA	4.9
1873	8	8	3		44.45	4.75	5	7.5		LLA	4.4
1873	9	17			44.25	9.83		6.5	4.7S	NT4.1	5.2
1873	10	22	9	45	50.87	6.08	4	7	4.6L	Mei95	4.2
1873	11	6	8	30	46.13	12.22		6.5	4.7S	NT4.1	5.2
1874	1	23	18	45	45.96	15.07	7	5.5		ZivS	3.5
1874	2	20	18	5	47.33	8.45		6		SED	4.2
1874	4	15	6	30	45.45	-0.43		5.5		LLA	4.0
1874	10	7			44.27	11.60		7	5.0S	NT4.1	5.3
1874	12	1	19	30	46.15	7.80		7		SED	5.0
1875	1	1	4		47.57	7.27		5		LLA	3.8
1875	1	10	19		44.03	11.80		6	4.4S	NT4.1	5.0
1875	3	17			44.07	12.57		7.5	5.2S	NT4.1	5.5
1875	4	2	4	55	47.00	6.87		5.5		SED	3.8
1875	8	17	15	45	50.30	24.20	19	6		KSh	3.7
1875	10	14	9	30	45.47	6.55		5		LLA	3.8
1875	10	24	20	13	46.13	12.22		6	4.4S	NT4.1	5.0
1876	3	28	1		46.12	12.37		5.5	4.2S	NT4.1	4.9
1876	4	2	4	55	47.00	6.95		6		SED	4.2
1876	4	29	23		45.73	10.77		7.5	5.2S	NT4.1	5.5
1876	5	7	4	48	46.70	6.50		6		SED	4.2
1876	7	6	7	30	46.23	17.37		6	4.4L	Zsi	4.0
1876	7	17	12	17	48.00	15.17	4	7.5	4.3S	ZAMG	4.3
1876	10	21	15		46.33	16.97		6	4.4L	Zsi	4.0
1876	10	22	8	9	46.50	13.30		5.5	4.2S	NT4.1	4.9
1876	11	25	2	45	45.98	12.38		5	3.9S	NT4.1	4.7
1876	11	30	10	15	46.33	16.97		6	4.4L	Zsi	4.0
1876	12	1			47.51	15.45	8	6	4.0S	ZAMG	4.0
1876	12	6	8	30	46.00	18.70		6	4.4L	Zsi	4.0
1877	1	25	3	53	46.45	13.30		6.5	4.7S	NT4.1	5.2
1877	4	4	19	45	46.17	15.23	4	7		ZivS	3.9
1877	5	2	19	40	47.23	8.70		6		SED	4.2
1877	5	23	18	5	46.42	13.02		5.5	4.2S	NT4.1	4.9
1877	6	24	8	53	50.87	6.10	2	8	4.6L	Mei95	4.2
1877	8	21	1	30	48.90	-2.10	15	5		LLA	4.0
1877	9	12	6	50	45.87	3.82		6		LLA	4.2
1877	9	12	15	30	45.95	15.15	6	6.5		ZivS	4.0
1877	9	13	1		45.95	15.15	13	5		ZivS	3.6
1877	10	1	7	27	45.75	10.80		6.5	4.7S	NT4.1	5.2
1877	10	8	5	12	46.07	6.32		7		LLA	4.7
1877	10	22	20	30	46.03	7.75		6		SED	4.2
1877	12	28	3	32	47.07	14.53	8	6	4.0S	ZAMG	4.0
1878	1	13	2	15	45.98	14.22	10	5.5		ZivS	3.7
1878	1	22	6	44	44.67	7.50		6	4.4S	NT4.1	5.0
1878	1	28	11	53	49.80	-0.60	16	5	5.0L	Mus	4.6
1878	3	12			44.40	11.58		6.5	4.7S	NT4.1	5.2
1878	4	14	18	45	46.78	10.18		5.5		SED	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1878	5	14	5	55	48.07	-3.20	15	5		LLA	4.0
1878	6	7	22	25	44.47	7.30		7	5.0S	NT4.1	5.3
1878	6	24	9	15	45.88	4.67	15	6.5		LLA	4.7
1878	8	21	6		46.00	15.20	16	6.5		ZivS	4.4
1878	8	26	9		50.93	6.55	9	8	5.9L	Mei95	5.6
1878	9	10	13	31	44.23	10.08		6.5	4.7S	NT4.1	5.2
1878	10	9			45.80	17.00		6.5		ZivC	4.1
1878	11	9	17	49	44.25	11.50		7	5.0S	NT4.1	5.3
1879	1	4	0	30	61.00	2.00			4.5S	FEN	4.5
1879	1	11	9	8	46.49	14.59	7	6	3.9S	ZAMG	3.9
1879	1	21	7	53	45.99	15.99		7	4.6L	ZivC	4.2
1879	2	2	17	20	58.80	16.20	10	6		FEN	3.6
1879	2	12	13	42	46.17	14.42	11	6		ZivS	4.0
1879	2	14			45.67	10.65		5.5	4.2S	NT4.1	4.9
1879	4	27			44.17	11.58		7	5.0S	NT4.1	5.3
1879	6	22	4	15	46.25	13.20		5.5	4.2S	NT4.1	4.9
1879	9	9	7	45	45.92	5.32		6		LLA	4.2
1879	9	12			46.17	14.32	7	6.5		ZivS	4.0
1879	9	28	15	30	44.80	21.50		7	4.7w	Onc	4.7
1879	10	10	15	45	44.70	21.60		8	5.3w	Onc	5.3
1879	10	10	18	30	44.70	21.60		7	4.7w	Onc	4.7
1879	10	10	19	30	44.70	21.60		7	4.7w	Onc	4.7
1879	10	11	1		44.70	21.60		7	4.7w	Onc	4.7
1879	10	11	2	45	44.70	21.60		8	5.3w	Onc	5.3
1879	10	11	10	45	44.70	21.60		7	4.7w	Onc	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1879	10	17	2	53	44.70	21.60		7	4.7w	Onc	4.7
1879	10	20	10	45	44.70	21.70		7	4.7w	Onc	4.7
1879	10	31	18	30	46.10	20.60		7	4.7w	Onc	4.7
1879	10	31	18	31	45.90	20.40		7	4.7w	Onc	4.7
1879	11	1	6		46.00	20.50		7	4.7w	Onc	4.7
1879	11	19	23	10	45.80	21.30		7	4.7w	Onc	4.7
1879	12	13	19	30	49.10	10.30		6		Ley	4.0
1879	12	21	18	24	65.40	11.90		3	4.1S	FEN	4.1
1879	12	22	4	3	44.70	21.60		7	4.7w	Onc	4.7
1879	12	30	12	27	46.20	6.65		7		LLA	4.7
1880	1	24	19	41	49.13	8.20	8	5.5		Ley	3.6
1880	2	23	21	30	44.50	21.60		7	4.7w	Onc	4.7
1880	3	1	2	45	44.70	21.60		7	4.7w	Onc	4.7
1880	3	22	18	5	46.65	0.37		5		LLA	3.8
1880	4	13	12	20	44.60	21.60		7	4.7w	Onc	4.7
1880	5	20	10	30	44.90	16.90		7	4.9L	ZivC	4.5
1880	6	7	1	30	61.90	6.20		4	3.9S	FEN	3.9
1880	7	4	8	20	46.25	8.05		7		SED	5.0
1880	7	4	19	30	46.28	7.88		6		SED	4.2
1880	7	18	0	20	61.00	1.00	34		4.1S	FEN	4.1
1880	7	23	1	50	44.20	11.80		5.5	4.2S	NT4.1	4.9
1880	8	4	5	30	63.60	3.90			4.5S	FEN	4.5
1880	9	19	10	1	46.82	7.18		6		SED	4.2
1880	9	21	18	50	46.82	7.18		6		SED	4.2
1880	10	3	5	46	46.30	24.10		8	5.3w	Onc	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1880	11	9	6	33	45.91	16.11		9	6.3L	ZivC	6.0
1880	11	11	10	26	45.98	16.00		7	4.6L	ZivC	4.2
1880	11	14	7	30	47.39	11.26	8	6	4.1S	ZAMG	4.1
1880	11	28	17	45	56.19	-5.30	25	5	5.2L	Mus	4.8
1880	12	9	6	36	46.23	15.20	13	5		ZivS	3.6
1880	12	25	14	30	45.70	26.60	130	7.5	6.8w	Onc	6.8
1881	1	24			44.45	11.52		7	5.0S	NT4.1	5.3
1881	1	27	13	19	46.90	7.50		7		SED	5.0
1881	2	4	1	26	45.75	14.08	10	6.5		ZivS	4.2
1881	2	12			44.37	12.03		6.5	4.7S	NT4.1	5.2
1881	3	1			46.23	15.25	11	5.5		ZivS	3.8
1881	3	3	2	15	46.30	7.92		5.5		SED	3.8
1881	3	3	2	35	46.28	7.92		5.5		SED	3.8
1881	6	18	8		46.42	13.02		6	4.4S	NT4.1	5.0
1881	7	4	17	38	47.37	4.75		6		LLA	4.2
1881	7	22	0	5	45.22	6.20		5.5		LLA	4.0
1881	7	22	2	45	45.32	6.27		7		LLA	4.7
1881	8	5	0	30	45.22	6.20		6		LLA	4.2
1881	9	28			44.15	12.18		6.5	4.7S	NT4.1	5.2
1881	11	5	8	42	46.91	13.54	8	6	4.1S	ZAMG	4.1
1881	11	18	3	50	47.20	9.42		6.5		SED	4.6
1881	11	18	23	14	50.80	6.10	13	6		Ley96	4.1
1881	11	25	17	25	46.30	6.97		7		SED	5.0
1882	1	23			47.44	10.64	8	6	4.1S	ZAMG	4.1
1882	2	15	4	50	44.63	9.12		6	4.4S	NT4.1	5.0
1882	2	18	4		50.08	1.42		5		LLA	3.8
1882	2	27	6	30	45.88	9.98		6.5	4.7S	NT4.1	5.2
1882	5	11	23	30	45.48	6.53		5		LLA	3.8
1882	5	21	16	40	48.05	7.65		5		LLA	3.8
1882	6	15	13		65.80	24.20	20	6		FEN	3.8
1882	6	23	6		65.60	24.50	27	6		FEN	3.8
1882	7	17	5	30	46.00	14.25	13	5		ZivS	3.6
1882	7	17	7	51	46.00	14.25	12	7		ZivS	4.5
1882	7	26	15	38	45.75	-0.63		6		LLA	4.2
1882	8	14	4	13	47.17	4.95		5		LLA	3.8
1882	9	13	0	40	47.95	6.45		5		LLA	3.8
1882	12	10	17	40	45.22	6.20		5		LLA	3.8
1882	12	31	18	30	50.07	1.47		5		LLA	3.8
1883	1	31	14	43	50.50	15.90		6.5		Zsi	4.3
1883	3	7	9	15	44.60	7.40		6	4.4S	NT4.1	5.0
1883	6	13	13		61.50	5.70	42	4	4.2S	FEN	4.2
1883	6	25	13	39	50.61	-4.46	11	5.5	4.2L	Mus	3.8
1883	10	20	22	30	50.87	12.18	13	5.5		Gru	3.7
1883	10	22	2	40	45.98	12.30		6	4.4S	NT4.1	5.0
1884	3	24	19	59	45.26	18.45		7	4.9L	ZivC	4.5
1884	4	2	1	20	46.83	6.97		5.5		SED	3.8
1884	4	22	9	18	51.82	0.90	3	8	4.6L	Mus	4.2
1884	6	29	5	45	48.77	17.84		5	3.7S	Lab	3.7
1884	9	12			45.57	9.85		6	4.4S	NT4.1	5.0
1884	11	27	23	5	44.78	6.67		7		LLA	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1884	11	29	0	20	45.88	6.33		5.5		SED	3.8
1884	12	27	21	55	46.50	13.58		5.5	4.2S	NT4.1	4.9
1885	1	25	10	50	66.10	-16.90			6.3L	IMO	6.4
1885	1	28	14	40	46.40	15.25	12	5		ZivS	3.6
1885	2	1	16	35	49.17	-0.55	15	5.5		LLA	4.3
1885	2	6	18	30	45.73	-0.62		5.5		LLA	4.0
1885	2	26	20	48	44.58	10.67		6	4.4S	NT4.1	5.0
1885	4	13	10	25	46.57	7.38		7		SED	5.0
1885	4	24	5	12	46.57	7.37		5.5		SED	3.8
1885	4	30	23	15	47.51	15.45	8	7	4.7S	Len	4.7
1885	5	26	8	29	47.30	23.20		6	4.1w	Onc	4.1
1885	6	28	1	26	46.55	7.37		6		SED	4.2
1885	7	1	6	15	44.25	7.50		6	4.4S	NT4.1	5.0
1885	8	16	19	23	47.97	1.88		5		LLA	3.8
1885	8	17	18	35	48.89	21.71		6	4.3S	Lab	4.3
1885	8	26			47.51	15.45	8	6	4.0S	ZAMG	4.0
1885	9	22			47.68	15.94	7	6.5	4.2S	ZAMG	4.2
1885	9	25	23	58	46.22	7.35		5.5		SED	3.8
1885	12	29	22	6	46.08	12.28		6	4.4S	NT4.1	5.0
1886	1	16	3		57.20	6.40	61		4.5S	FEN	4.5
1886	3	27	7	50	47.75	18.25		5	3.7S	Lab	3.7
1886	4	12	21	20	47.00	21.90		6	4.1w	Onc	4.1
1886	5	11	18	45	46.87	-1.50	15	5		LLA	4.0
1886	8	14	3		48.15	7.18		5.5		LLA	4.0
1886	9	5			45.00	7.20		6.5	4.7S	NT4.1	5.2
1886	9	5	12		61.30	5.00	34	4	4.0S	FEN	4.0
1886	9	29	17	28	46.75	10.05		6		SED	4.2
1886	10	9	18	20	48.45	7.92	2	7		Ley	4.2
1886	10	15	2	20	44.73	10.32		6	4.4S	NT4.1	5.0
1886	10	24	23	15	62.00	6.90	49	5	4.8S	FEN	4.8
1886	11	12			44.10	5.42		6		LLA	4.2
1886	11	28	22	30	47.32	10.84	8	7.5	5.1S	ZAMG	5.1
1886	12	21	21	15	62.00	17.20	8	6		FEN	3.5
1887	2	15	9	5	48.33	-0.93		5.5		LLA	4.0
1887	3	3	1		44.42	7.10		5.5	4.2S	NT4.1	4.9
1887	4	14	1	11	45.80	11.92		7	5.0S	NT4.1	5.3
1887	4	21	3		49.85	-1.99			4.3L	Mus	3.9
1887	5	20	4	12	45.83	9.40		5.5	4.2S	NT4.1	4.9
1887	6	11	21	30	48.38	7.88	3	6		Ley	3.6
1887	6	22	16	45	48.55	-1.75	15	5		LLA	4.0
1887	7	10	2	56	46.00	21.20		7	4.7w	Onc	4.7
1887	8	2	22		46.65	-1.22		5		LLA	3.8
1887	8	5	18	15	67.40	12.00			3.8S	FEN	3.8
1887	8	13	2	54	45.68	15.58		7	4.6L	ZivC	4.2
1887	9	20	6	40	50.45	4.05		6		ORB	4.0
1887	9	30	15	52	44.28	11.87		6	4.4S	NT4.1	5.0
1887	10	1	3	5	44.47	7.32		5.5	4.2S	NT4.1	4.9
1887	10	11	3	40	47.20	-1.67		5		LLA	3.8
1887	10	23	4	5	45.57	15.22	6	6		ZivS	3.6
1887	11	26	23	40	46.82	4.53		6		LLA	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1887	12	10			54.20	28.50	12	6		Bob	3.6
1888	2	2	5	2	57.10	-5.14	17	5.5	4.8L	Mus	4.4
1888	3	30	9	30	45.40	18.20		6.5	4.6L	ZivC	4.2
1888	4	2	10	1	59.00	6.40		4	3.6S	FEN	3.6
1888	4	12			47.78	16.54	7	6.5	4.2S	ZAMG	4.2
1888	4	12			47.78	16.54	7	7	4.6S	ZAMG	4.6
1888	5	4	20		46.15	2.88		6		LLA	4.2
1888	5	15	5	30	48.17	-2.25	15	6		LLA	4.5
1888	5	20	11	30	44.90	16.90		7		Zsi	4.6
1888	6	21	14	28	47.80	24.10		5.5	3.8w	Onc	3.8
1888	7	28	1	55	63.30	19.00	9	6		FEN	3.6
1888	8	19	4	56	45.70	26.60	100	7	6.5w	Onc	6.5
1888	12	23	11		61.80	5.10		5	3.9S	FEN	3.9
1888	12	26	0	12	50.51	12.40	9	5.5		Gru	3.6
1889	1	7			47.45	9.23		5.5		SED	3.8
1889	1	27	21	47	46.25	14.60	7	6		ZivS	3.7
1889	2	18	7	30	45.58	5.48		6.5		LLA	4.4
1889	3	8	2	47	44.48	11.33		6	4.4S	NT4.1	5.0
1889	3	23	16	15	44.80	3.20		5.5		LLA	4.0
1889	3	28	2		44.80	3.28		5		LLA	3.8
1889	5	30	20	19	49.40	-0.60	25		5.2L	Mus	4.8
1889	6	7	13	15	48.37	-4.53		5		LLA	3.8
1889	6	25	1	25	46.40	13.00		6	4.4S	NT4.1	5.0
1889	8	12	2	30	46.40	-0.55	15	5.5		LLA	4.3
1889	10	13	10	10	46.40	13.00		7	5.0S	NT4.1	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1890	1	28	8	11	48.76	19.32	5	6	4.1S	Lab	4.1
1890	3	26	20	10	46.33	12.42		6	4.4S	NT4.1	5.0
1890	5	4	12	9	44.00	11.25		5.5	4.2S	NT4.1	4.9
1890	6	10	16		46.90	5.77		5		LLA	3.8
1890	9	13	21		66.20	12.70		5	4.1S	FEN	4.1
1890	11	15	17	50	57.46	-4.35	10	6	4.5L	Mus	4.1
1890	11	25	9	56	48.34	17.11	13	6	4.5S	Lab	4.5
1890	12	27	6		47.73	-1.17		5		LLA	3.8
1890	12	28	11	32	48.90	21.80	10	6.5	4.6S	Lab	4.6
1891	1	9	20	34	47.37	9.62		6.5		SED	4.6
1891	1	23	20	5	47.38	9.43		6		SED	4.2
1891	2	9	5		48.10	6.92		5.5		LLA	4.0
1891	3	4	16	15	46.82	6.93		5.5		SED	3.8
1891	3	13	2	25	47.38	-0.70	15	5		LLA	4.0
1891	6	7			45.57	11.15		8	5.5S	NT4.1	5.5
1891	6	15			45.42	10.73		6	4.4S	NT4.1	5.0
1891	8	1	13	30	44.42	11.93		6	4.4S	NT4.1	5.0
1891	10	13	0	40	46.83	10.32		5.5		SED	3.8
1891	12	20	16	36	46.17	8.43		5.5	4.2S	NT4.1	4.9
1891	12	22			46.20	9.87		5.5	4.2S	NT4.1	4.9
1892	1	5			45.55	10.43		6.5	4.7S	NT4.1	5.2
1892	1	11	1	56	46.08	12.43		5.5	4.2S	NT4.1	4.9
1892	3	5			45.62	7.80		7	5.0S	NT4.1	5.3
1892	5	15	14	51	61.40	5.10	46	6	5.2S	FEN	5.2
1892	5	17	3	8	44.45	10.52		6	4.4S	NT4.1	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1892	5	31	21	30	48.14	17.12		5	3.7S	Lab	3.7
1892	6	22	2	35	46.68	18.45	6	6.5	4.3L	Zsi	3.9
1892	6	23	23	20	46.28	12.52		7	5.0S	NT4.1	5.3
1892	6	24	1	4	45.82	13.08		5.5	4.2S	NT4.1	4.9
1892	8	1	4	58	47.63	8.62	20	5.5		Ley96	3.8
1892	8	9			50.27	7.62	4	7		Ley	4.4
1892	8	9	7	58	45.57	11.17		7	5.0S	NT4.1	5.3
1892	8	18	0	24	51.70	-5.04	26	6	5.1L	Mus	4.7
1892	8	18	0	37	51.69	-5.04		3.5	4.0L	Mus	3.6
1892	8	18	1	40	51.70	-5.04		4	4.8L	Mus	4.4
1892	8	18	2	50	51.71	-5.04			4.0L	Mus	3.6
1892	8	26	4	30	45.20	3.17		6		LLA	4.2
1892	8	26	10	10	45.47	3.17		7		LLA	4.7
1892	9	25	18	30	61.70	5.50		5	4.0S	FEN	4.0
1892	11	20	21	30	59.70	5.70	30	5	4.4S	FEN	4.4
1892	11	26	8		44.25	7.57		6	4.4S	NT4.1	5.0
1892	12	28	6		47.28	6.80		5		LLA	3.8
1892	12	29	13	48	44.17	11.50		6	4.4S	NT4.1	5.0
1893	3	11	9	25	48.00	23.00		7	4.7w	Onc	4.7
1893	3	24	17	35	48.62	17.80	5	5.5	3.8S	Lab	3.8
1893	4	8	15	9	44.20	21.30		7	5.0L	Zsi	4.6
1893	4	8	17	41	44.20	21.40		7	5.0L	Zsi	4.6
1893	4	9	1	50	44.20	21.20		7	5.0L	Zsi	4.6
1893	4	10	23	57	44.10	21.20		7	5.0L	Zsi	4.6
1893	4	15	4	48	49.23	21.73	9	6.5	4.6S	Lab	4.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1893	4	22	11	12	44.20	21.20		7	5.0L	Zsi	4.6
1893	4	29	23	45	44.20	21.20		7	5.0L	Zsi	4.6
1893	5	1	17	18	45.70	26.60	120	6.5	6.2w	Onc	6.2
1893	5	20	21	42	44.30	21.20		8	5.6L	Zsi	5.2
1893	5	31	20	13	44.20	21.20		7	5.0L	Zsi	4.6
1893	7	1	16	39	47.73	5.93		5		LLA	3.8
1893	7	27	20	54	44.20	21.20		7	5.0L	Zsi	4.6
1893	8	17	14	45	45.70	26.60	100	8	7.1w	Onc	7.1
1893	9	10	3	40	45.70	26.60	100	7	6.5w	Onc	6.5
1893	10	27	16	31	46.27	12.30		6	4.4S	NT4.1	5.0
1893	11	2	17	45	51.81	-4.41	24	6	5.0L	Mus	4.6
1893	12	8	2	45	61.80	5.20		5	3.9S	FEN	3.9
1893	12	13			44.60	18.80		6.5	4.6L	ZivC	4.2
1893	12	19	3		44.60	18.80		6.5	4.6L	ZivC	4.2
1893	12	30	3	35	46.00	26.70		4.5	4.2w	Onc	4.2
1894	1	19	8	25	45.30	24.60		5	4.5w	Onc	4.5
1894	2	9	12	48	45.57	11.15		7	5.0S	NT4.1	5.3
1894	3	1	15	25	45.70	26.60		7	5.9w	Onc	5.9
1894	3	4	6	35	45.70	26.60	130	7	6.5w	Onc	6.5
1894	3	5	21	14	45.83	9.42	6	5	3.9S	NT4.1	4.7
1894	3	11	6	30	45.50	27.70		4	3.9w	Onc	3.9
1894	3	17	20		45.70	26.60	100	5	5.4w	Onc	5.4
1894	3	18	0	50	45.70	26.60	110	4.5	5.1w	Onc	5.1
1894	3	18	12	50	45.70	27.20		4	4.0w	Onc	4.0
1894	3	24	19	30	45.60	27.20		4	4.0w	Onc	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1894	5	11	15	45	45.30	25.20		4	3.9w	Onc	3.9
1894	5	17	11	30	47.27	-1.05	15	5.5		LLA	4.3
1894	7	23	5	25	67.90	13.30		7	5.4S	FEN	5.4
1894	8	31	12	20	45.70	26.60	130	8	7.1w	Onc	7.1
1894	10	6	15		58.90	4.60			4.0S	FEN	4.0
1894	10	7	21	30	48.05	23.47		6	4.4L	Zsi	4.0
1894	10	30	7	40	67.30	13.00		5.5	4.8S	FEN	4.8
1894	10	31	11	30	45.20	24.00		4	3.9w	Onc	3.9
1894	11	27			45.58	10.12		6.5	4.7S	NT4.1	5.2
1894	11	28			46.02	11.80		6.5	4.7S	NT4.1	5.2
1894	12	19	21	30	45.00	21.70		7	4.7w	Onc	4.7
1895	2	5	15	4	45.70	26.60	150	5	5.4w	Onc	5.4
1895	2	5	23	40	65.00	6.00			5.3S	FEN	5.3
1895	2	27	15	38	46.18	12.52		6	4.4S	NT4.1	5.0
1895	3	23			44.70	12.18		6	4.4S	NT4.1	5.0
1895	4	14	20	17	46.10	14.50	16	8.5		ZivS	5.5
1895	4	14	22	20	46.10	14.50	10	6.5		ZivS	4.2
1895	4	14	22	40	46.05	14.50	11	6		ZivS	4.0
1895	4	14	23	1	46.10	14.50	13	7		ZivS	4.6
1895	4	14	23	49	46.10	14.50	12	6		ZivS	4.0
1895	4	15	0	31	46.10	14.50	18	5		ZivS	3.8
1895	4	15	2	36	46.10	14.50	11	6		ZivS	4.0
1895	4	15	3	11	46.10	14.50	14	5.5		ZivS	3.9
1895	4	15	3	19	46.10	14.50	10	6.5		ZivS	4.2
1895	4	15	3	43	46.10	14.50	20	5		ZivS	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1895	4	15	4	35	46.10	14.50	13	5.5		ZivS	3.9
1895	4	15	5	52	46.05	14.50	8	6		ZivS	3.8
1895	5	16	18	5	45.70	27.20		3.5	3.5w	Onc	3.5
1895	5	22			50.77	6.10		6		Ley	4.0
1895	5	25	11	42	45.00	12.00		6	4.4S	NT4.1	5.0
1895	6	10	1	47	45.88	12.28		6.5	4.7S	NT4.1	5.2
1895	6	11	9	27	50.70	17.00	9	7		Pag	4.7
1895	7	3			44.70	12.18		6	4.4S	NT4.1	5.0
1895	8	7	19	49	44.25	10.75		6	4.4S	NT4.1	5.0
1895	9	4			44.03	11.78		6.5	4.7S	NT4.1	5.2
1895	10	12	1	45	45.77	10.83		6	4.4S	NT4.1	5.0
1895	11	2	6	30	45.67	8.75		5.5	4.2S	NT4.1	4.9
1895	11	19	7	44	45.70	26.60	130	4.5	5.1w	Onc	5.1
1895	11	27	2	30	59.40	6.00	34	4	4.1S	FEN	4.1
1895	12	6	16	20	48.45	-1.92		5.5		LLA	4.0
1895	12	7	8	28	47.77	-3.33		5.5		LLA	4.0
1895	12	16	12		57.60	7.90	34		4.1S	FEN	4.1
1895	12	27	4	26	45.70	26.60	100	4	4.9w	Onc	4.9
1896	1	7	2		61.90	6.40	38	4	4.2S	FEN	4.2
1896	1	22	0	47	47.90	8.18	12	6		Ley	4.0
1896	1	28	21	30	61.70	3.60	48		4.3S	FEN	4.3
1896	3	11	21	30	66.40	12.50		5	3.8S	FEN	3.8
1896	3	11	23		45.70	26.60	150	7	6.6w	Onc	6.6
1896	5	16	20	50	50.50	12.10		6		Gru	4.0
1896	6	14	20	48	48.52	-2.85	15	5		LLA	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1896	6	30	14		48.88	0.13		6		LLA	4.2
1896	7	8	1	51	44.13	10.93		6	4.4S	NT4.1	5.0
1896	7	27	5	45	45.08	20.97		6	4.4L	Zsi	4.0
1896	8	26	21	50	64.00	-20.20			6.9L	IMO	6.9
1896	8	27	9	30	64.00	-20.10			6.7L	IMO	6.8
1896	9	2	21	15	50.35	3.02	10	6		LLA	4.2
1896	9	5	23	30	63.90	-21.00			6.0L	IMO	6.2
1896	9	5	23	35	64.00	-20.60			6.5L	IMO	6.6
1896	9	6	2		63.90	-21.20			6.0L	IMO	6.2
1896	10	6	16	30	46.48	6.77		5.5		SED	3.8
1896	10	16			44.05	8.22		6	4.4S	NT4.1	5.0
1896	10	29	13	25	46.90	19.68	11	5	3.9L	Zsi	3.6
1896	11	3	21	10	50.59	13.50	11	5.5		Gru	3.7
1896	11	4	0	34	46.40	27.00		5	4.5w	Onc	4.5
1896	11	24	18	50	45.70	26.60	100	6.5	6.1w	Onc	6.1
1896	12	1	2	25	46.50	13.33		6	4.4S	NT4.1	5.0
1896	12	8	17	6	44.25	10.75		6	4.4S	NT4.1	5.0
1896	12	16	23	15	52.02	-2.55		4	4.1L	Mus	3.7
1896	12	17	3		52.02	-2.55		4	4.1L	Mus	3.7
1896	12	17	5	32	52.02	-2.55	18	7	5.2L	Mus	4.8
1896	12	31	1	52	45.45	17.19		5.5	4.1L	ZivC	3.7
1897	1	17	8	50	45.70	26.60	100	4	5.0w	Onc	5.0
1897	1	27	1	35	45.70	11.22		5.5	4.2S	NT4.1	4.9
1897	1	29	0	30	45.80	-0.55		5		LLA	3.8
1897	1	29	1	30	45.95	-0.63	15	5.5		LLA	4.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1897	2	2	0	32	46.18	14.50	6	6		ZivS	3.6
1897	2	20	6		47.30	11.45	6	6	3.9S	ZAMG	3.9
1897	2	26	18	38	47.30	11.45	6	5.5	3.5S	ZAMG	3.5
1897	3	6	4	8	45.60	27.60		4.5	4.2w	Onc	4.2
1897	5	17	20	52	45.10	25.45		4	3.9w	Onc	3.9
1897	6	11	11	40	45.82	12.03		6	4.4S	NT4.1	5.0
1897	6	14	4	20	66.40	13.00		4.5	3.7S	FEN	3.7
1897	7	15	5	57	46.05	14.50	7	8		ZivS	4.7
1897	7	20	7	20	45.70	26.60	100	4	5.0w	Onc	5.0
1897	8	3	13	48	45.75	14.37	12	5.5		ZivS	3.8
1897	8	11	21	15	44.90	17.90		7	4.9L	ZivC	4.5
1897	9	17	11	59	48.60	7.75		5		LLA	3.8
1897	9	18	9	10	46.78	9.57		5.5		SED	3.8
1897	9	24	14	26	45.70	26.60	130	3	5.4w	Onc	5.4
1897	10	25	21		50.35	12.40	9	5.5		Gru	3.6
1897	10	29	19	45	50.35	12.48	8	6		Gru	3.9
1897	11	7	4	58	50.35	12.48	8	6.5		Gru	4.3
1897	11	10	16		45.45	4.05		5		LLA	3.8
1897	11	17	6	30	50.22	12.32	9	6		Gru	3.9
1897	11	17	7	43	50.22	12.32	9	5.5		Gru	3.6
1897	11	25			44.70	26.60		4.5	4.2w	Onc	4.2
1897	12	11	12	8	47.15	14.65	8	5.5	3.7S	ZAMG	3.7
1897	12	11	19		46.50	27.30		4.5	4.2w	Onc	4.2
1898	1	16			44.62	11.83		7	5.0S	NT4.1	5.3
1898	2	20	4	57	46.10	13.45		7	5.0S	NT4.1	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1898	2	22	10	44	46.80	6.60		7		SED	5.0
1898	3	4			44.60	10.12		6.5	4.7S	NT4.1	5.2
1898	4	17	22	49	46.05	14.50	11	6.5		ZivS	4.2
1898	5	6	13	10	46.60	7.68		7		SED	5.0
1898	6	7	4		47.15	9.50	4	6.5	3.8S	ZAMG	3.8
1898	6	14	3	55	47.12	9.50		7		SED	5.0
1898	9	28	18	35	47.90	16.40	7	5.5	3.6S	ZAMG	3.6
1898	10	21	20	45	45.30	25.20		4.5	4.2w	Onc	4.2
1898	10	26	15	32	44.70	26.60		4	3.9w	Onc	3.9
1898	11	4	23		66.20	25.00	22	6		FEN	3.8
1898	11	8	11	33	44.10	15.50		7	5.3L	ZivC	4.9
1898	11	13	15	40	47.02	4.93		6		SED	4.2
1898	11	14	11	44	45.70	26.60	100	4.5	4.7w	Onc	4.7
1898	11	16			45.62	10.47		5.5	4.2S	NT4.1	4.9
1898	11	26	1	29	47.67	15.93	7	5.5	3.6S	ZAMG	3.6
1898	12	29	4		46.50	27.30		4	3.9w	Onc	3.9
1899	1	31	23	45	60.10	5.50	30	5.5	4.6S	FEN	4.6
1899	2	14	16	58	48.10	7.60		6.5		LLA	4.4
1899	2	16	2	30	46.13	14.47	11	5		ZivS	3.5
1899	3	20	16	35	47.12	0.62		5.5		LLA	4.0
1899	4	29	11	6	47.32	14.98	8	6	4.0S	ZAMG	4.0
1899	5	30	8		47.30	10.50		6		Ley	4.0
1899	6	11	0	30	47.95	16.45	7	5.5	3.6S	ZAMG	3.6
1899	8	5	6	20	46.59	14.64	7	6.5	4.2S	ZAMG	4.2
1899	8	8	11	10	46.28	12.43		4.5	3.6S	NT4.1	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1899	8	9	21	48	46.70	26.50		4	3.9w	Onc	3.9
1899	9	18	5	16	46.15	14.38	8	6.5		ZivS	4.1
1899	10	10	14	14	45.40	26.30		4	3.9w	Onc	3.9
1899	12	20	19	28	45.70	26.60	100	3.5	5.4w	Onc	5.4
1900	1	28	9	35	45.41	16.90		5.5	4.1L	ZivC	3.7
1900	1	29	1	15	46.00	21.20		6.5	4.5w	Onc	4.5
1900	1	31	9		46.50	27.30		6.5	5.5w	Onc	5.5
1900	3	4	16	55	45.85	12.07	38	6	4.4S	NT4.1	5.0
1900	4	5	22	27	44.30	7.05		6	4.4S	NT4.1	5.0
1900	6	3	3	40	48.15	7.55	3	6.5		Ley	3.9
1900	6	4	0	30	48.37	7.43		5		LLA	3.8
1900	6	4	2	30	48.28	7.35		5		LLA	3.8
1900	6	23	7	6	45.00	24.10		4.5	4.2w	Onc	4.2
1900	8	6	23	5	47.03	9.15		5.5		SED	3.8
1900	8	16	21		45.42	7.45		6	4.4S	NT4.1	5.0
1900	11	19			44.90	28.40		4.5	4.2w	Onc	4.2
1901	1	10	3	30	50.50	16.10		7	4.7L	Zsi	4.3
1901	1	20	6	30	45.00	11.10		6	4.4S	NT4.1	5.0
1901	2	5	17	17	47.42	17.75	11	5	3.9L	Zsi	3.6
1901	2	15	5	30	46.45	6.40		5.5		SED	3.8
1901	2	16			44.93	26.31	30	4	3.9w	Onc	3.9
1901	2	16	20	6	46.18	15.01	9	6.5		ZivS	4.1
1901	2	17	5	36	46.42	6.27		5.5		SED	3.8
1901	3	8	5	43	61.80	3.00	48		4.3S	FEN	4.3
1901	3	22	19	33	45.94	14.73	19	4.5		ZivS	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1901	3	29	7	5	45.17	7.17		5.5	4.2S	NT4.1	4.9
1901	3	30	13	40	44.30	22.10	20	5	4.1w	Onc	4.1
1901	4	2	16	54	45.50	20.70	18	7	5.0w	Onc	5.0
1901	4	20	9	35	44.33	7.50	10	6	4.4S	NT4.1	5.0
1901	5	13	8	21	44.65	5.02		6.5		LLA	4.4
1901	5	25	4	59	44.83	7.75		6	4.4S	NT4.1	5.0
1901	7	9	16	23	54.80	-3.04	7	6	4.1L	Mus	3.7
1901	8	12	18	37	45.93	15.48	10	6		ZivS	4.0
1901	8	18	8	44	44.20	20.70	4	8	4.6L	Zsi	4.2
1901	9	18	1	24	57.43	-4.32	11	7	5.0L	Mus	4.6
1901	9	18	3	56	57.43	-4.32		4	4.4L	Mus	4.0
1901	9	23	18	11	45.70	26.60	130	5.5	5.7w	Onc	5.7
1901	10	21	1	20	49.38	20.37		6.5		Pag	4.3
1901	10	27	21	10	44.00	19.50	6	7	4.9L	Zsi	4.5
1901	10	30	14	49	45.58	10.37	25	8	5.5S	NT4.1	5.5
1901	11	15	3	28	45.40	28.10		5	4.5w	Onc	4.5
1901	11	18	22	15	46.13	0.35		6		LLA	4.2
1901	12	12	10	28	47.90	23.10	2	6	3.7w	Onc	3.7
1901	12	17	14	12	45.83	15.98	4	7	4.4L	ZivC	4.0
1902	1	10	19	40	45.67	14.22	13	5.5		ZivS	3.9
1902	1	21	12	46	45.80	21.50	5	6	3.8w	Onc	3.8
1902	2	9	2	50	59.50	5.50	22	5	4.1S	FEN	4.1
1902	3	1	21	45	47.90	24.00	1	6	4.1w	Onc	4.1
1902	3	5	7	6	44.10	10.47		7	5.0S	NT4.1	5.3
1902	3	11	20	14	45.70	26.60	100	6	5.9w	Onc	5.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1902	4	10	19	30	64.30	27.60	22	6		FEN	3.8
1902	6	7	0	5	47.57	15.62	8	5.5	3.7S	ZAMG	3.7
1902	8	4	22	37	44.20	10.20	40	7	5.0S	NT4.1	5.3
1902	9	4	9		64.80	9.50			4.7S	FEN	4.7
1902	10	17	21	52	45.20	26.80		3.5	3.5w	Onc	3.5
1902	11	5	18	35	44.50	17.50	24	4.5	4.4L	ZivC	4.0
1902	11	26	12	15	49.67	12.67	5	6.5		Gru	4.1
1902	11	29	2		47.15	-0.73		5		LLA	3.8
1902	12	4	16	35	44.20	10.20	10	5.5	4.2S	NT4.1	4.9
1902	12	5	0	5	47.42	-3.13		6		LLA	4.2
1902	12	6	3	10	46.92	8.27		5.5		SED	3.8
1902	12	17	15	20	45.97	15.13	6	6		ZivS	3.7
1903	1	20	3	4	47.80	26.60		6	4.1w	Onc	4.1
1903	2	6	23	55	48.48	-4.90	15	5.5		LLA	4.3
1903	2	16	19	59	46.03	14.23	4	6.5		ZivS	3.7
1903	2	21	21	9	50.34	12.47	5	6		Gru	3.8
1903	2	23	4	9	45.60	27.70		3.5	3.5w	Onc	3.5
1903	2	23	5	31	50.30	12.42	7	5.5		Gru	3.5
1903	2	25	23	11	50.27	12.33	7	6		Gru	3.9
1903	3	5	0	50	50.31	12.33	12	5.5		Gru	3.7
1903	3	5	20	37	50.37	12.42	10	6.5		Gru	4.3
1903	3	5	20	55	50.37	12.42	10	6.5		Gru	4.3
1903	3	6	1	13	50.26	12.28	9	5.5		Gru	3.6
1903	3	6	4	57	50.34	12.47	14	6		Gru	4.1
1903	3	6	12	59	50.27	12.33		5.5		Gru	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1903	3	6	19	11	50.26	12.28	16	5.5		Gru	3.8
1903	3	7	5	0	50.37	12.48	10	5.5		Gru	3.6
1903	3	8	6	22	50.35	12.50	8	5.5		Gru	3.6
1903	3	21	21	35	44.30	7.05		5.5	4.2S	NT4.1	4.9
1903	3	22	5	8	49.08	8.17	2	7		Ley	4.2
1903	3	24	13	30	53.05	-1.70	8	6	4.6L	Mus	4.2
1903	4	27	16	8	50.27	12.29	5	6		Gru	3.8
1903	6	8	15	8	45.50	26.80	120	6	5.9w	Onc	5.9
1903	6	19	10	5	53.02	-4.39	10	6	4.9L	Mus	4.5
1903	6	26	5	28	47.90	20.38	8	6.5	4.5L	Zsi	4.1
1903	7	4	12	15	46.13	0.35		5		LLA	3.8
1903	7	20	10	40	45.60	21.30	6	6	4.0w	Onc	4.0
1903	7	27	3	46	44.32	9.95		7	4.7S	NT4.1	5.2
1903	8	17	7	45	45.44	16.26	10	6	4.7L	ZivC	4.3
1903	8	17	9	3	45.57	15.86		5	4.2L	ZivC	3.8
1903	8	30	13	30	66.80	13.60	13	4.5	3.8S	FEN	3.8
1903	9	13	8	2	45.70	26.60	70	6.5	6.3w	Onc	6.3
1903	10	7	9	15	45.04	16.78		5	3.9L	ZivC	3.6
1903	10	11	1	50	45.60	17.25		6	4.3L	ZivC	3.9
1903	10	11	1	50	45.60	17.60	6	6	4.0L	ZivC	3.6
1903	10	27	2	30	46.23	-1.13		6		LLA	4.2
1904	2	6	2	49	45.70	26.60	75	6	6.6w	Onc	6.6
1904	2	12	5		46.45	17.98		6	4.4L	Zsi	4.0
1904	2	13	22	30	47.00	-0.73		5		LLA	3.8
1904	2	25	18	47	44.48	10.48	8	7	5.3S	NT4.1	5.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1904	3	2	6	27	45.52	15.87	7	6	4.2L	ZivC	3.8
1904	3	28	13	20	46.77	7.32		6		SED	4.2
1904	3	31	8	41	46.15	14.92	6	6		ZivS	3.6
1904	4	20	14	3	48.62	17.46		6.5	4.5S	Lab	4.5
1904	5	16	1	51	44.51	19.23	6	6	4.4L	ZivC	4.0
1904	6	6	14	25	44.10	27.30	30	5	4.7w	Onc	4.7
1904	6	10	11	14	44.25	10.75		7.5	5.2S	NT4.1	5.5
1904	7	3	15	21	53.05	-1.75	17	6	4.2L	Mus	3.8
1904	7	12	5	31	44.92	6.67		7		LLA	4.7
1904	9	16	5	37	45.30	14.60	5	7	4.6L	ZivC	4.2
1904	10	9	6	41	46.28	12.52	6	6	4.4S	NT4.1	5.0
1904	10	12	3		48.68	17.39		6	4.3S	Lab	4.3
1904	10	23	10	26	59.20	10.50		7	5.4S	FEN	5.4
1904	11	10	16	10	48.73	10.80		6		Ley	4.0
1904	11	10	17	9	46.02	14.25	7	5.5		ZivS	3.5
1904	11	29	6	20	67.20	14.20		4.5	4.0S	FEN	4.0
1904	11	30	11	6	47.23	14.40	8	5.5	3.7S	ZAMG	3.7
1904	12	8	0	57	47.41	13.22	8	5.5	3.8S	ZAMG	3.8
1905	1	5	18	22	44.50	19.30	7	5.5	4.0L	ZivC	3.6
1905	1	6	4	34	44.40	19.30	6	7	5.8L	Zsi	5.5
1905	1	16	5	19	44.40	19.50	4	7	4.7L	Zsi	4.3
1905	1	21			44.90	6.60		6	4.4S	NT4.1	5.0
1905	2	3	19	28	46.25	13.75	16	5.5		ZivS	4.0
1905	2	6	17	10	61.50	5.10	27	5.5	4.5S	FEN	4.5
1905	2	18	2	15	47.57	15.62	8	5.5	3.7S	ZAMG	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1905	2	24	5	25	47.30	11.67	6	6	3.7S	ZAMG	3.7
1905	2	28	11	16	46.15	16.21	10	6.5	5.2L	ZivC	4.8
1905	4	10	10		44.28	5.00		7		LLA	4.7
1905	4	23	1	37	53.40	-0.99	15	5.5	4.3L	Mus	3.9
1905	4	27	1	50	44.56	16.36	13	6	5.0L	ZivC	4.6
1905	4	28	21	4	46.10	16.15	5	5.5	4.2L	ZivC	3.8
1905	4	29	1	55	46.08	6.90	15	7.5		LLA	5.2
1905	5	23	13	13	45.92	15.33	3	7		ZivS	3.9
1905	5	29	11	16	46.15	16.21	10	6.5	5.2L	ZivC	4.8
1905	5	30	4	55	44.33	7.40	13	5.5	4.2S	NT4.1	4.9
1905	6	4			45.92	3.22		5		LLA	3.8
1905	6	11	12	20	45.80	27.70		3.5	3.5w	Onc	3.5
1905	8	13	10	22	45.98	6.98		7		LLA	4.7
1905	8	17	3	21	51.35	12.38	10	5.5		Gru	3.6
1905	11	8	3	4	46.20	27.70		4.5	4.2w	Onc	4.2
1905	11	8	16	31	44.70	19.20		6	4.1L	ZivC	3.7
1905	11	25	10	57	45.95	-0.52		5.5		LLA	4.0
1905	12	5			46.85	9.52		6		SED	4.2
1905	12	17	21	45	47.63	-2.82		5		LLA	3.8
1905	12	17	22	16	45.90	16.10	7	7.5	5.6L	ZivC	5.2
1905	12	25	17	5	46.80	9.40	12	7	4.9L	SED	4.5
1905	12	26	0	20	46.80	9.40		6	4.2L	SED	3.8
1905	12	28	22	24	45.92	16.15	7	5	3.9L	ZivC	3.6
1906	1	2	4	26	45.92	16.10	5	8	6.1L	ZivC	5.8
1906	1	4	4	25	45.80	16.00	9	6	4.5L	ZivC	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1906	1	9	23	7	48.58	17.46	9	8.5	5.7S	Lab	5.7
1906	1	10	1	6	48.63	17.56		5	3.7S	Lab	3.7
1906	1	16	2	52	48.62	17.56	7	7.5	5.1S	Lab	5.1
1906	2	8	0	19	67.00	14.00		5	4.2S	FEN	4.2
1906	2	21	10	10	48.60	17.55		5	3.7S	Lab	3.7
1906	3	2	3		48.60	17.55		5	3.7S	Lab	3.7
1906	3	9	0	50	48.60	17.51		5	3.7S	Lab	3.7
1906	4	7	16	53	46.49	14.59	7	5.5	3.6S	ZAMG	3.6
1906	4	7	18	27	48.60	17.51		5	3.7S	Lab	3.7
1906	4	9	7	20	48.61	17.53		5	3.7S	Lab	3.7
1906	4	23	6	35	44.10	17.30	6	7	4.5L	ZivC	4.1
1906	4	29	9	18	47.30	22.10	10	6	4.2w	Onc	4.2
1906	6	2	2	23	45.20	28.80		4.5	4.2w	Onc	4.2
1906	6	3	3	24	57.60	6.20	30		4.5S	FEN	4.5
1906	6	3	19	39	46.40	13.00		6	4.4S	NT4.1	5.0
1906	6	6	11	20	46.03	4.43		5.5		LLA	4.0
1906	6	16	11	17	46.10	14.57	5	6		ZivS	3.6
1906	6	27	9	45	51.62	-3.81	13	7	5.2L	Mus	4.8
1906	7	25	12	45	44.40	19.40	6	7	4.7L	Zsi	4.3
1906	8	12			47.45	19.70		5.5	4.1L	Zsi	3.7
1906	8	15	8	15	44.71	17.23		5	3.9L	ZivC	3.6
1906	8	28	0	21	44.50	19.50	10	5	4.0L	ZivC	3.6
1906	8	31			51.20	5.90		5		Hou	3.9
1906	9	20	8	38	44.54	18.68	2	6	3.9L	ZivC	3.6
1906	10	17	23	15	46.60	27.30	30	5.5	4.9w	Onc	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1906	11	10	17	55	44.50	9.63	10	6	4.4S	NT4.1	5.0
1906	11	17	19	30	61.90	6.00	38	4	4.1S	FEN	4.1
1906	12	10	16	15	58.00	5.70	38		4.2S	FEN	4.2
1907	1	14	13	3	66.30	10.00			5.0S	FEN	5.0
1907	1	17	13	54	56.33	-5.40	10	6	4.4L	Mus	4.0
1907	1	27	4	58	65.70	10.00			5.2S	FEN	5.2
1907	3	10	8	49	45.50	21.10		5.5	3.8w	Onc	3.8
1907	3	22	19	10	47.58	14.46	6	6	4.2S	ZAMG	4.2
1907	4	20	13	25	46.45	10.53		6	4.0S	NT4.1	4.8
1907	4	25	4	52	45.35	11.00	10	6	4.5S	NT4.1	5.1
1907	5	13	4	23	47.51	15.45	8	6.5	4.4S	ZAMG	4.4
1907	5	23	14	27	44.70	18.50		5	4.3L	ZivC	3.9
1907	6	25	0	33	44.40	17.80	4	7	4.5L	ZivC	4.1
1907	6	29	20		60.50	7.80	24	5	4.2S	FEN	4.2
1907	7	2	2	32	46.43	13.07		6	4.4S	NT4.1	5.0
1907	7	19	0	27	45.90	15.60		6		ZivS	4.0
1907	7	28	13	32	44.73	17.23	23	6	4.7L	ZivC	4.3
1907	9	28	19	35	44.50	19.75	15	5	4.1L	Zsi	3.7
1907	10	11	4	45	45.20	19.80		7	4.7L	Zsi	4.3
1907	11	24	0	31	45.60	26.80		5	4.5w	Onc	4.5
1907	11	30	3		44.71	17.23		5	3.9L	ZivC	3.6
1907	12	9	1	30	44.52	5.10		5		LLA	3.8
1907	12	12	5	33	47.62	-1.53		6		LLA	4.2
1908	2	6	8	52	44.91	17.83		5	3.9L	ZivC	3.6
1908	2	16	1	10	47.61	14.75	6	5.5	3.5S	ZAMG	3.5
1908	2	19	21	11	47.94	16.74	7	6.5	4.8S	ZAMG	4.8
1908	2	22	10	34	46.02	15.90		6.5	4.2L	ZivC	3.8
1908	3	13	0	40	45.50	27.90	25	5	4.5w	Onc	4.5
1908	3	15	7	50	45.63	11.13	4	6	4.7S	NT4.1	5.2
1908	4	8	0	4	45.95	14.70	11	5		ZivS	3.5
1908	5	12	5	9	46.98	14.38	8	5.5	3.7S	ZAMG	3.7
1908	5	28	9	27	46.90	19.68	12	7	4.4L	Zsi	4.0
1908	6	2	9	25	60.20	6.20		4	3.7S	FEN	3.7
1908	6	2	22	30	44.28	10.80		4.5	4.5S	NT4.1	5.1
1908	6	28	3	19	44.80	11.30		6	4.4S	NT4.1	5.0
1908	6	30	4	53	67.20	14.60		5	4.6S	FEN	4.6
1908	7	10	2	13	46.47	13.18	10	7.5	5.0S	NT4.1	5.3
1908	7	20	8	11	45.58	17.72	3	6.5	4.2L	ZivC	3.8
1908	8	26	8	8	46.90	19.68	11	5	3.9L	Zsi	3.6
1908	9	23	23	21	47.25	-0.45	15	5.5		LLA	4.3
1908	10	6	21	40	45.50	26.50	125	8	7.1w	Onc	7.1
1908	10	21	14	4	50.27	12.32	10	5.5		Gru	3.6
1908	10	21	20	39	50.28	12.29	10	6		Gru	4.0
1908	10	22	21	42	50.35	12.49	9	5.5		Gru	3.6
1908	11	3	12	1	50.23	12.27	8	5.5		Gru	3.6
1908	11	3	13	24	50.23	12.31	10	6		Gru	4.0
1908	11	3	17	21	50.34	12.47	10	6.5		Gru	4.3
1908	11	4	3	32	50.36	12.49	6	6		Gru	3.8
1908	11	4	10	55	50.34	12.47	9	6.5		Gru	4.3
1908	11	4	13	10	50.34	12.47	9	6.5		Gru	4.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1908	11	4	20	41	50.28	12.37	14	6		Gru	4.1
1908	11	6	4	35	50.34	12.47	14	6.5		Gru	4.5
1908	11	12	9	14	50.50	5.58		6		ORB	4.0
1908	11	18	1		49.57	2.42		5		LLA	3.8
1908	11	18	4		45.80	15.10	17	4.5		ZivS	3.5
1908	11	20	4	3	46.25	15.27	7	6.5		ZivS	4.0
1908	12	18	5	6	47.00	12.54	8	5.5	3.7S	ZAMG	3.7
1908	12	19	5	3	51.11	12.93	14	5.5		Gru	3.7
1908	12	20	6		69.70	18.00		5	4.3S	FEN	4.3
1908	12	23	7	35	44.98	16.73		5	3.9L	ZivC	3.6
1908	12	23	10	17	44.40	18.00	4	7	4.8L	ZivC	4.4
1908	12	25	21	41	44.15	19.00	18	7	5.3L	ZivC	4.9
1908	12	27	23	3	44.10	19.00	6	7	4.8L	ZivC	4.4
1908	12	29	1		56.80	26.30	12	7		Bob	4.4
1908	12	29	18	40	59.40	6.00		4	3.5S	FEN	3.5
1908	12	29	22		55.80	26.70		7		Bob	4.4
1908	12	30	5		54.60	25.80		7		Bob	4.4
1908	12	30	5		56.90	24.00		6		Bob	3.6
1908	12	31	4		56.90	24.00		6		Bob	3.6
1909	1	13	0	45	44.62	11.67	25	6.5	5.4S	NT4.1	5.4
1909	2	12	1		56.60	20.90		6		Bob	3.6
1909	2	17	16	58	46.28	6.72		6		LLA	4.2
1909	2	17	17	43	45.92	15.35	7	6		ZivS	3.8
1909	2	26	10	2	47.38	15.09	8	5.5	3.7S	ZAMG	3.7
1909	3	9			64.00	22.00	19	6		FEN	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1909	3	14	3	5	48.60	17.51		5	3.7S	Lab	3.7
1909	3	18	2	51	44.50	10.50	4	6	4.4S	NT4.1	5.0
1909	4	21	14		45.83	15.33	12	6		ZivS	4.0
1909	5	28	4	21	47.38	15.09	8	5.5	3.7S	ZAMG	3.7
1909	6	23	19	43	46.90	-1.15	15	5		LLA	4.0
1909	6	24	7	24	45.80	27.70		4	3.9w	Onc	3.9
1909	8	5	15	11	48.45	-4.52		6		LLA	4.2
1909	8	31	21	21	45.10	21.80	20	6	4.4w	Onc	4.4
1909	9	6	11	21	47.68	15.94	7	5.5	3.6S	ZAMG	3.6
1909	9	22	16	25	47.41	13.22	8	5.5	3.8S	ZAMG	3.8
1909	10	5	1	10	44.83	7.25		5.5	4.2S	NT4.1	4.9
1909	10	8	9	59	45.42	16.18	10	8.5	6.0L	ZivC	5.7
1909	10	8	10	53	45.18	15.55	5	6	4.1L	ZivC	3.7
1909	10	8	10	59	45.41	16.19			4.6L	ZivC	4.2
1909	10	10	5	37	45.41	16.17	38	5	5.1L	ZivC	4.7
1909	10	10	5	54	45.40	16.20	33	5.5	5.2L	ZivC	4.8
1909	12	13	0	21	45.40	16.20	38		4.9L	ZivC	4.5
1909	12	24	0	14	46.02	16.03	6	6	4.1L	ZivC	3.7
1910	1	17	1	40	47.98	5.33		5		LLA	3.8
1910	1	22	7	48	66.50	-17.00			7.1L	IMO	7.1
1910	1	23	1	50	44.90	9.63		5.5	4.2S	NT4.1	4.9
1910	1	28	23	57	45.44	16.16	32	7	5.4L	ZivC	5.0
1910	1	28	23	59	45.03	16.41		6	4.3L	ZivC	3.9
1910	1	29	0	11	45.40	16.14	18	6.5	5.1L	ZivC	4.7
1910	1	29	2	59	45.42	16.13	15	6	4.4L	ZivC	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1910	3	24	14	37	47.20	14.28	8	6.5	4.0S	ZAMG	4.0
1910	3	27	17	53	48.43	7.62		5.5		LLA	4.0
1910	4	5	19	20	45.85	13.00		5.5	4.2S	NT4.1	4.9
1910	5	11	20	18	47.74	15.99	7	6.5	4.5S	ZAMG	4.5
1910	5	21	3		56.90	24.00		6		Bob	3.6
1910	5	26	6	12	47.40	7.30		7		SED	5.0
1910	7	13	8	32	47.32	10.84	8	7	4.8S	ZAMG	4.8
1910	7	26	13	5	66.80	14.00		4	3.7S	FEN	3.7
1910	8	8	22	7	46.50	21.60	10	6	4.3w	Onc	4.3
1910	10	11	11	52	44.90	22.40	7	6	4.3w	Onc	4.3
1910	12	3	9	15	44.00	21.30	5	7	4.5L	Zsi	4.1
1910	12	7	19	51	47.73	7.57		5.5		LLA	4.0
1910	12	12	8	7	44.53	18.68		5	3.9L	ZivC	3.6
1911	2	3	11	30	60.20	6.20		4	3.9S	FEN	3.9
1911	2	8	2	54	46.50	13.30		5.5	4.4S	NT4.1	5.0
1911	2	19	7	18	44.10	12.07	5	7.5	5.2S	NT4.1	5.5
1911	2	24	18	13	64.60	11.20		4.5	4.1S	FEN	4.1
1911	3	26	13	51	44.07	12.57	8	5	4.9S	NT4.1	5.3
1911	4	18	6	40	58.20	7.40		4	3.7S	FEN	3.7
1911	4	24	17	19	47.15	10.34	8	6	3.7S	ZAMG	3.7
1911	5	30	19	43	50.58	6.32	7	5.5		Ley	3.5
1911	5	31	0	18	50.57	6.32		5.5		Ley	3.6
1911	5	31	2	8	50.78	6.33		5.5		Ley	3.6
1911	6	1	22	52	50.45	4.50	2	7	4.3L	ORB	3.9
1911	6	3	14	35	50.45	4.50		6	4.2L	ORB	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1911	6	19	4	21	46.90	19.68		6.5	4.5L	Zsi	4.1
1911	7	8	2	2	46.90	19.68	12	8	5.6L	Zsi	5.2
1911	8	2	6	6	44.50	19.40		6	3.9L	Zsi	3.6
1911	8	16	11	31	44.40	19.40		7	3.9L	Zsi	3.6
1911	8	24	21	50	60.00	5.90	35	5	4.5S	FEN	4.5
1911	9	6	4	21	48.22	9.00	12	5.5		Ley	3.7
1911	9	6	13	54	50.75	6.25	10	6		Ley96	4.0
1911	9	15	5	34	64.60	11.20		4	4.0S	FEN	4.0
1911	9	27	14	53	44.03	6.37		5		LLA	3.8
1911	11	11	19	9	46.80	12.30		5.5	4.2S	NT4.1	4.9
1911	11	16	21	25	48.22	9.00	10	8	5.7w	Kun86	5.7
1911	11	17	15	58	45.20	24.30		5	4.5w	Onc	4.5
1911	11	23	1	59	48.20	9.03	3	6		Ley	3.6
1911	12	14			44.27	4.90		5.5		LLA	4.0
1912	1	19	5	45	48.20	9.03	8	6		Ley	3.9
1912	1	22	20	8	47.27	15.33	8	6	3.6S	ZAMG	3.6
1912	1	28	4	30	56.19	-5.30	12	4	4.1L	Mus	3.7
1912	3	3	1	30	45.20	24.30		4.5	4.2w	Onc	4.2
1912	3	9	8	25	45.20	24.30		5	4.5w	Onc	4.5
1912	4	16	4	30	45.20	21.90		6	4.1w	Onc	4.1
1912	4	25	18	30	44.45	2.97	10	5.5		LLA	4.0
1912	5	4	16	48	48.22	8.97	15	5.5		Ley	3.8
1912	5	6	18		63.90	-20.00			7.0L	IMO	7.0
1912	5	9	23	3	47.27	11.39	6	5.5	3.5S	ZAMG	3.5
1912	5	12			45.80	26.60			4.1w	Onc	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1912	5	25	18	1	45.70	27.20	90	7	6.7w	Onc	6.7
1912	5	25	20	15	45.70	27.20	100	6	6.1w	Onc	6.1
1912	5	25	21		45.70	27.20	130	5.5	5.8w	Onc	5.8
1912	5	25	23	45	45.80	27.10		4	3.9w	Onc	3.9
1912	5	26	3		45.80	27.10		4	3.9w	Onc	3.9
1912	5	27	5	15	45.85	27.20		4.5	4.2w	Onc	4.2
1912	5	27	9	20	45.90	27.40	20	5	4.1w	Onc	4.1
1912	6	7	1	58	45.70	26.60	100	6	5.9w	Onc	5.9
1912	7	9	21	46	45.00	23.30		5	4.5w	Onc	4.5
1912	7	12	2	55	46.10	27.20		4.5	4.2w	Onc	4.2
1912	8	5	10	33	46.15	12.40		6	4.0S	NT4.1	4.8
1912	8	15	23	50	44.05	11.17		5.5	4.2S	NT4.1	4.9
1912	12	1	11		56.70	7.70	34		4.0S	FEN	4.0
1913	1	23	21	49	45.89	15.81	9	5	4.5L	ZivC	4.1
1913	2	13	16	39	44.10	10.90	4	6	4.2S	NT4.1	4.9
1913	2	27	3	15	47.90	7.70		6		Ley96	4.0
1913	2	28	15	16	46.15	14.33	17	4.5		ZivS	3.5
1913	3	11	3	42	45.60	27.80	15	5	4.2w	Onc	4.2
1913	3	14	3	40	45.70	26.60	120	5.5	5.9w	Onc	5.9
1913	3	23	3	10	48.30	-0.18		5		LLA	3.8
1913	3	26	17	54	45.40	16.10	10	6	4.2L	ZivC	3.8
1913	4	16	4	20	45.80	21.90		5	3.5w	Onc	3.5
1913	4	21	20	25	47.25	8.60		6		SED	4.2
1913	5	20	16	15	45.52	14.37	7	7		ZivS	4.2
1913	5	24	21	30	45.40	25.20		3.5	3.5w	Onc	3.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1913	6	9	5	30	45.70	27.10		4	3.9w	Onc	3.9
1913	7	16	14	24	45.38	16.10	12	6	4.2L	ZivC	3.8
1913	7	19	15	46	64.40	7.60			5.0S	FEN	5.0
1913	7	20	12	6	48.23	9.01	11	7	5.0w	Kun86	5.0
1913	7	21	22	35	44.10	11.70	5	6	4.7S	NT4.1	5.2
1913	7	23	22	3	45.70	26.60	130	5.5	5.7w	Onc	5.7
1913	7	24	5	15	44.33	7.33		5.5	4.2S	NT4.1	4.9
1913	7	29	4		56.10	8.20	22	5	4.2S	FEN	4.2
1913	7	30	8	50	44.83	18.08	11	5	3.9L	ZivC	3.6
1913	8	4	7	38	61.30	5.20	55	5	4.9S	FEN	4.9
1913	8	31	19	1	45.41	16.41		6	4.1L	ZivC	3.7
1913	9	11	2	35	68.30	13.20		6	4.8S	FEN	4.8
1913	10	16	15	12	46.08	2.65		6		LLA	4.2
1913	11	2	1	50	47.22	7.40		5.5		SED	3.8
1913	11	11	7	58	47.22	7.40		5.5		SED	3.8
1913	11	25	20	55	44.60	10.12		5	4.7S	NT4.1	5.2
1913	12	7	1	28	44.77	8.78		5	4.4S	NT4.1	5.0
1914	1	8	0	15	48.52	-3.20	15	5		LLA	4.0
1914	1	13	3	5	44.98	17.91	35	5	4.3L	ZivC	3.9
1914	2	11	0	22	45.63	14.17	17	5.5		ZivS	4.0
1914	4	18	5	15	48.32	17.22	8	7.5	5.1S	Lab	5.1
1914	5	26	20	29	49.08	21.56		7	4.8S	Lab	4.8
1914	6	7	13	45	44.50	19.20	18	5	4.2L	Zsi	3.8
1914	6	27	1	44	51.36	12.43	8	6		Gru	3.9
1914	7	14	3		45.70	26.80	100	6	5.7w	Onc	5.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1914	7	31	18	23	45.90	26.30	80	5.5	5.7w	Onc	5.7
1914	8	26	15	9	45.70	26.60	100	4	5.4w	Onc	5.4
1914	10	1	17	25	48.90	11.30		5	4.2L	Ley	3.8
1914	10	1	20	31	48.87	11.42		5	4.6L	Ley	4.2
1914	10	26	2	59	45.70	26.60	120	5	5.4w	Onc	5.4
1914	10	26	3	45	45.07	7.33	40	7	4.9S	NT4.1	5.3
1914	10	27	9	22	44.05	10.45	28	7	5.8S	NT4.1	5.7
1914	11	25	17	12	47.33	18.20	20	4.5	4.4L	Zsi	4.0
1914	11	30	19	43	47.27	11.39	6	5.5	3.5S	ZAMG	3.5
1915	1	13	19	30	44.13	12.10		6	4.4S	NT4.1	5.0
1915	2	22	0	37	45.77	15.22	11	6		ZivS	4.0
1915	6	2	2	33	48.87	11.42		6.5	5.0L	Ley	4.6
1915	6	13	14	15	48.33	8.99	11	5.5		Ley	3.7
1915	8	25	2	11	46.03	7.03	10	7	4.4L	SED	4.0
1915	8	25	7	30	45.75	15.20	15	6		ZivS	4.2
1915	10	2	3	9	54.96	-3.17	17	5	4.0L	Mus	3.6
1915	10	9	21	25	45.40	21.10	4	7	4.3w	Onc	4.3
1915	10	10	4	10	48.87	11.35		5	4.5L	Ley96	4.1
1915	10	10	4	50	48.82	11.57	7	7	4.8L	Kun86	4.4
1915	10	10	23	10	44.72	10.45		6	4.6S	NT4.1	5.1
1915	10	16	23		45.50	26.60		4	3.9w	Onc	3.9
1915	10	19	8	43	45.40	21.10	5	7.5	4.8w	Onc	4.8
1915	10	27			45.50	21.10	5	7	4.6w	Onc	4.6
1915	11	7	17	48	45.72	15.59	10	5	4.0L	ZivC	3.6
1916	1	2	15	10	45.63	15.28	6	6		ZivS	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1916	1	14	19	29	52.85	-2.19	10	7	4.6L	Mus	4.2
1916	1	26	7	37	45.40	24.60	21	8	6.4w	Onc	6.4
1916	1	26	8	15	45.40	24.20	10	8	5.2w	Onc	5.2
1916	1	26	8	30	45.40	24.20	15	7	5.0w	Onc	5.0
1916	1	26	18	15	45.40	24.20	15	6	4.4w	Onc	4.4
1916	2	1	1	32	45.20	24.30		4	3.9w	Onc	3.9
1916	2	8	2	33	46.05	14.50	11	6		ZivS	4.0
1916	2	12	0	50	44.80	23.20		4	3.9w	Onc	3.9
1916	3	1	20	53	46.85	6.03		5		LLA	3.8
1916	3	12	3	23	45.12	14.97	18	7.5	5.8L	ZivC	5.5
1916	3	15	21	42	46.07	15.48	11	5		ZivS	3.5
1916	5	1	10	24	47.17	14.66	8	7	4.7S	ZAMG	4.7
1916	7	14	20	27	45.12	14.97	20	6.5	5.2L	ZivC	4.8
1916	7	14	22	34	45.20	14.80	15		4.2L	ZivC	3.8
1916	7	27	18	38	44.10	10.50	5	6	4.4S	NT4.1	5.0
1916	8	19	5	30	44.30	7.05		5	4.1S	NT4.1	4.8
1916	9	18	11	8	45.95	15.65	5	7		ZivS	4.1
1916	9	24	5	48	45.95	15.65	4	6.5		ZivS	3.7
1916	10	28	8	15	46.32	14.82	11	7		ZivS	4.5
1916	10	30	0	17	46.30	14.80	10	6.5		ZivS	4.2
1916	11	20	23	20	46.23	14.75	13	5		ZivS	3.6
1916	11	21	20	45	46.23	14.75	14	5		ZivS	3.7
1917	1	8	1	45	44.02	11.92		6	4.4S	NT4.1	5.0
1917	1	29	8	22	45.90	15.57	13	8		ZivS	5.1
1917	1	29	8	38	45.90	15.57	7	6.5		ZivS	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1917	1	29	9	14	45.90	15.57	10	6.5		ZivS	4.2
1917	1	29	10	29	45.90	15.57	19	6.5		ZivS	4.5
1917	1	29	10	57	45.90	15.57	15	5		ZivS	3.7
1917	1	29	21	18	45.90	15.57	16	6		ZivS	4.2
1917	1	30	5	9	45.90	15.57	10	5.5		ZivS	3.7
1917	2	15	20	12	45.90	15.57	5	6		ZivS	3.6
1917	2	26	1	9	45.50	15.35	9	6	3.9L	ZivC	3.6
1917	2	26	18	30	45.95	15.37	6	6		ZivS	3.7
1917	3	15	20	42	46.00	26.50	130	5	5.9w	Onc	5.9
1917	4	10	2	14	45.83	15.43	20	6		ZivS	4.3
1917	5	14	6	57	72.00	-2.80			4.7S	FEN	4.7
1917	5	19	21		45.70	26.60	150	6	5.9w	Onc	5.9
1917	6	20	23	9	47.72	9.02	12	6		Ley	4.0
1917	7	8	14	40	68.80	16.10		4.5	4.2S	FEN	4.2
1917	7	11	3	23	45.70	26.60	130	6	5.9w	Onc	5.9
1917	7	30	1	30	48.45	22.09		5	3.7S	Lab	3.7
1917	8	21	10	44	72.00	-2.80			5.3S	FEN	5.3
1917	10	11	10	10	61.60	5.10		4	3.9S	FEN	3.9
1917	12	2	17	39	44.07	11.83	12	6.5	4.9S	NT4.1	5.3
1917	12	9	21	40	46.60	9.90	18	6	4.5L	SED	4.1
1917	12	30	7	50	47.48	10.95		5	4.5L	Ley	4.1
1918	1	13	12		45.33	9.50		4.5	4.9S	NT4.1	5.3
1918	2	19	11	3	45.10	15.00	20	6	4.4L	ZivC	4.0
1918	2	19	11	3	46.00	13.00		6	4.2S	NT4.1	4.9
1918	2	25	2	7	45.70	26.60	120	6	5.9w	Onc	5.9
1918	4	10	0	26	61.50	5.90	49	5	4.8S	FEN	4.8
1918	4	24	14	21	45.80	9.55	17	6	4.7S	NT4.1	5.2
1918	5	27	16	8	50.90	5.70	5	6.5	4.4L	Hou	4.0
1918	7	16	11	49	46.13	14.85	11	5		ZivS	3.5
1918	7	19	19	3	45.60	10.52		4	4.4S	NT4.1	5.0
1918	8	13	20	1	46.00	14.02	13	6		ZivS	4.1
1918	8	22	20	22	60.80	6.00		4	4.0S	FEN	4.0
1918	9	17	2	11	47.51	14.12	6	5.5	3.5S	ZAMG	3.5
1918	9	26	0	16	47.28	10.22	5	5.5	4.8L	SED	4.4
1919	2	22	15		46.97	16.46		6	4.4L	Zsi	4.0
1919	4	18	6	20	45.70	26.80	100	6	6.1w	Onc	6.1
1919	4	18	6	20	46.00	25.00		6	4.1w	Onc	4.1
1919	7	12	12	6	45.80	11.92		5.5	5.0S	NT4.1	5.3
1919	8	9	14	38	45.70	26.60	120	6	6.0w	Onc	6.0
1919	9	5	20	37	46.50	16.00	8	6		ZivS	3.8
1919	9	16	2	18	46.45	9.93		4.5	4.3L	SED	3.9
1919	9	25	3	15	44.13	10.53		5.5	4.2S	NT4.1	4.9
1919	11	5			45.90	15.60		5.5		ZivS	3.7
1919	11	23	1	50	45.62	10.13		4	4.9S	NT4.1	5.3
1919	11	28	21	38	44.18	7.53		5.5	4.8S	NT4.1	5.2
1920	1	17	3	11	50.43	3.82		6		ORB	4.0
1920	5	5	14	41	46.38	13.15	20	6.5	5.3S	NT4.1	5.5
1920	5	19	7	10	48.92	11.52		4	4.1L	Ley	3.7
1920	6	8	16	13	44.10	11.80		5	4.1S	NT4.1	4.8
1920	6	27	1	40	48.57	-1.97		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1920	7	30	20	6	45.10	14.90	7	6.5	4.7L	ZivC	4.3
1920	9	6	5		67.10	13.90		5	4.4S	FEN	4.4
1920	9	7	5	55	44.20	10.20	18	9.5	6.5S	NT4.1	6.3
1920	10	3	4	57	45.33	3.35	10	5		LLA	3.8
1920	10	17	10	50	45.97	15.50	6	6		ZivS	3.7
1920	10	27	3	16	45.82	15.47	5	6		ZivS	3.6
1920	12	22	22	14	47.61	15.99	7	6	4.1S	ZAMG	4.1
1920	12	27	16	19	44.25	10.28		5	4.2S	NT4.1	4.9
1921	1	5	0	20	45.75	15.08	7	6.5		ZivS	4.0
1921	1	15	11	55	45.70	20.10	14	7	4.6L	Zsi	4.2
1921	3	21	15	52	44.76	17.18		5	3.9L	ZivC	3.6
1921	4	22	16	4	44.00	-17.00			5.6b	NEIC	5.7
1921	5	7	6	15	44.38	9.88		6.5	4.7S	NT4.1	5.2
1921	5	19	2	41	50.77	3.95	10	5	4.0L	ORB	3.6
1921	7	28	2	35	47.53	12.57	8	5.5	3.8S	ZAMG	3.8
1921	8	10	3	30	44.53	18.48		5	3.9L	ZivC	3.6
1921	8	11	7		47.33	-0.18		5		LLA	3.8
1921	8	22	6	8	45.78	15.18	5	6		ZivS	3.6
1921	9	12	0	25	45.80	11.92		4	5.0S	NT4.1	5.3
1921	10	22	5	13	45.70	26.60	100	4.5	5.3w	Onc	5.3
1921	11	29	12	4	44.50	9.80		5	4.6S	NT4.1	5.1
1921	12	13	6	30	47.29	12.53	8	5.5	3.8S	ZAMG	3.8
1922	1	6	6	53	44.00	20.40	5	6	4.1L	Zsi	3.7
1922	3	5	11	8	44.20	21.30	4	7	4.6L	Zsi	4.2
1922	3	24	13	22	44.40	20.40	12	9	6.0L	Zsi	5.7
1922	4	8	20	42	72.00	-8.50			6.2b	NEIC	6.5
1922	5	24	21	17	44.73	11.38		3.5	4.4S	NT4.1	5.0
1922	6	11	12	44	59.60	14.50	11	6		FEN	3.6
1922	7	13	19		61.70	5.80	27	5	4.4S	FEN	4.4
1922	7	24	14		61.80	5.60	22	4	3.9S	FEN	3.9
1922	8	2	21	13	44.20	10.70	4	6	4.0S	NT4.1	4.8
1922	10	12	22	30	46.32	1.70		5		LLA	3.8
1922	11	8	10	28	46.00	12.00		6	4.2S	NT4.1	4.9
1922	11	24	2	15	45.70	18.75	18	7.5	5.3L	ZivC	4.9
1922	11	24	2	28	45.70	18.80	26	5.5	4.8L	ZivC	4.4
1923	2	27	5	45	45.70	15.30	16	6	4.2L	ZivC	3.8
1923	3	23	1	10	61.40	4.50	30	5	4.3S	FEN	4.3
1923	3	25	20	5	45.90	15.45	16	6		ZivS	4.2
1923	4	11	20	20	48.87	-1.72		5		LLA	3.8
1923	5	5	3	10	62.50	4.80	61	4	4.3S	FEN	4.3
1923	5	27	1	30	44.60	28.60		4.5	4.2w	Onc	4.2
1923	6	28	15	12	44.58	10.83		6	4.9S	NT4.1	5.3
1923	7	5	3		45.70	24.20		5	3.5w	Onc	3.5
1923	7	23	12	45	45.00	29.00		3.5	3.5w	Onc	3.5
1923	9	1	5	45	47.76	18.14		5	3.6S	Lab	3.6
1923	9	10	4	23	44.67	6.75		6	4.4S	NT4.1	5.0
1923	9	18	14	8	45.70	26.60	100	3.5	4.7w	Onc	4.7
1923	10	10	7	11	72.00	-10.00			6.5b	NEIC	6.8
1923	10	18	0	55	45.50	14.25		6		ZivS	4.0
1923	11	2	18	55	47.67	-2.83		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1923	11	28	6	7	47.13	13.81	8	6	4.8S	ZAMG	4.8
1923	12	2	6		48.18	-3.02		5		LLA	3.8
1924	1	3	14	36	47.45	14.67	6	5.5	3.5S	ZAMG	3.5
1924	1	17	5	45	44.62	3.82	20	5.5		LLA	4.4
1924	3	26	17	8	46.90	11.40		6.5	4.9S	NT4.1	5.3
1924	4	15	12	48	46.25	7.92	35	7	5.1L	SED	4.7
1924	5	5	6	20	61.80	4.70	28	4.5	4.1S	FEN	4.1
1924	5	12	8	46	46.40	12.90		6	4.8S	NT4.1	5.2
1924	5	21	15	32	46.60	10.50		5.5	4.1S	NT4.1	4.8
1924	6	12	21	3	44.17	10.73	15	6	4.6S	NT4.1	5.1
1924	8	12	16	27	45.80	18.90	7	7	4.9L	ZivC	4.5
1924	8	14	2	18	45.67	6.25		5		LLA	3.8
1924	9	15	20	7	46.20	15.22	15	6.5		ZivS	4.4
1924	9	21	20	18	44.40	8.95		5.5	4.2S	NT4.1	4.9
1924	9	24	12		44.10	4.75		6.5		LLA	4.4
1924	10	10	9	21	71.00	-16.00			5.6b	NEIC	5.7
1924	12	3	21	34	45.90	15.60	13	7		ZivS	4.6
1924	12	3	22	35	45.82	15.41		6		ZivS	4.0
1924	12	11	16	33	48.26	9.09	14	6		Ley	4.1
1924	12	12	3	29	46.43	12.97		7	5.4S	NT4.1	5.4
1925	1	8	2	45	46.87	6.50		7		SED	5.0
1925	1	31	8	5	47.86	20.42	5	7.5	5.0L	Zsi	4.6
1925	2	1	21	52	49.16	-5.22	25		5.1L	Mus	4.7
1925	2	23	21	32	50.85	5.55	5	7	4.1L	ORB	3.7
1925	3	15	17	15	44.30	10.57		4.5	4.4S	NT4.1	5.0
1925	4	3	10	52	44.50	16.50	20		4.3L	ZivC	3.9
1925	4	7	20	18	44.70	17.93	26	5	4.2L	ZivC	3.8
1925	4	21	22		61.10	4.20	20		3.8S	FEN	3.8
1925	6	9	0	37	47.41	15.27	8	5.5	3.7S	ZAMG	3.7
1925	6	27	8	22	46.30	16.80	5	6.5	4.2L	ZivC	3.8
1925	6	27	9	15	46.47	17.00		6.5	4.5L	Zsi	4.1
1925	7	4	17	48	46.13	12.20		5.5	4.3S	NT4.1	4.9
1925	9	5	7	43	45.10	14.80	20	6.5	5.0L	ZivC	4.6
1925	9	6	0	39	45.20	14.80	30		4.2L	ZivC	3.8
1925	9	10	10	33	45.10	14.80	15		4.3L	ZivC	3.9
1925	9	11	4	41	45.20	14.70	25	6	5.1L	ZivC	4.7
1925	9	11	6	58	45.00	14.90	30		4.8L	ZivC	4.4
1925	9	26	5	5	46.53	2.12	10	6.5		LLA	4.4
1925	11	28	8	14	69.00	-18.00			5.6b	NEIC	5.7
1925	12	3	18	58	46.55	2.08	15	6		LLA	4.5
1925	12	9	23	40	46.62	2.00		5		LLA	3.8
1925	12	23	12	35	56.55	-5.53	15	5	4.3L	Mus	3.9
1925	12	25	2	37	45.70	26.60	130	6	6.1w	Onc	6.1
1926	1	1	18	4	45.77	14.37	13	7.5		ZivS	4.8
1926	1	1	22	30	45.77	14.37	18	4.5		ZivS	3.6
1926	1	5	23	37	50.73	6.62	22	6		Ley	4.2
1926	1	6	11	37	50.80	7.20	14	6		Ley	4.1
1926	1	7	1	40	45.72	15.57	20	6	4.2L	ZivC	3.8
1926	1	28	16	57	50.88	11.76	4	6		Gru	3.7
1926	4	5	14	24	46.20	16.80	26	5	4.5L	ZivC	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1926	4	10	3	12	67.40	15.20		4.5	4.1S	FEN	4.1
1926	5	12	1	12	45.93	16.15		7	4.6L	ZivC	4.2
1926	5	19	11	11	44.50	20.60		6	4.6L	Zsi	4.2
1926	6	28	21	15	44.48	10.48		4	4.2S	NT4.1	4.9
1926	6	28	22	0	48.13	7.68	11	7		Kun86	4.7
1926	7	5	0	1	44.00	20.40	8	6	4.3L	Zsi	3.9
1926	7	6	7	39	47.61	15.67	8	6.5	4.4S	ZAMG	4.4
1926	7	30	13	19	49.17	-1.62	18	6.5	5.5L	Mus	5.1
1926	8	10	1	10	48.02	23.70	5	7		KSh	4.2
1926	8	15	3	58	52.31	-2.66	17	6	4.8L	Mus	4.4
1926	8	18	13	57	65.80	28.50	18	6		FEN	3.7
1926	9	28	15	41	47.72	16.04	7	6.5	4.7S	ZAMG	4.7
1926	9	28	21	30	46.50	13.00		6	4.7S	NT4.1	5.2
1926	10	19	17	20	57.70	7.80			4.0S	FEN	4.0
1926	10	21	9	29	45.10	14.90	26	6	4.7L	ZivC	4.3
1926	10	25	11	4	63.80	-22.80			4.3L	IMO	4.7
1926	11	18	22	57	44.30	10.00		5.5	4.2S	NT4.1	4.9
1926	12	15	13	58	46.75	7.18	12	6	4.3L	SED	3.9
1927	1	24	5	18	59.90	1.80			5.3S	FEN	5.3
1927	1	27	9	3	55.91	-5.20	7	5	4.1L	Mus	3.7
1927	2	17	23	17	49.17	-1.62	22	6	5.4L	Mus	5.0
1927	3	21	2	17	44.98	17.91		5	3.9L	ZivC	3.6
1927	4	5	14	24	46.30	16.80	5	5	4.1L	ZivC	3.7
1927	4	22	0	18	45.06	17.70	18	5	4.1L	ZivC	3.7
1927	4	29	11	20	66.30	-19.50			5.5L	IMO	5.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1927	5	9	4	55	44.60	19.30	24	5	4.2L	ZivC	3.8
1927	5	15	3	47	44.10	20.50	12	9	5.9L	Zsi	5.6
1927	5	15	22	31	44.10	20.50	13	6	4.0L	Zsi	3.6
1927	5	17	16	40	46.00	17.00			4.0L	ZivC	3.6
1927	5	31	22	58	44.90	21.70	16	6	4.4w	Onc	4.4
1927	6	1	0	10	44.00	20.90	12	6.5	4.4L	Zsi	4.0
1927	6	15	6	20	61.00	4.70	34	4	4.1S	FEN	4.1
1927	7	16	1	35	71.00	-17.00			5.6b	NEIC	5.7
1927	7	16	2	16	71.00	-17.00			5.6b	NEIC	5.7
1927	7	24	20	17	45.70	26.60	120	5	5.9w	Onc	5.9
1927	7	24	22	15	44.20	5.20	5	7		LLA	4.2
1927	7	25	20	35	47.53	15.49	8	7	5.1S	ZAMG	5.1
1927	8	1	16	53	62.70	-22.00			4.8L	IMO	5.1
1927	8	13	0	57	46.50	9.90	28	5.5	4.3L	SED	3.9
1927	9	28	23	31	45.40	20.90	22	4.5	4.0w	Onc	4.0
1927	10	1	1	30	47.15	-1.73		5.5		LLA	4.0
1927	10	8	19	49	48.07	16.58	7	8	5.2S	ZAMG	5.2
1927	10	11	16	28	44.10	20.60	5	7	4.4L	Zsi	4.0
1927	10	28	21	49	44.53	9.53		6	4.8S	NT4.1	5.2
1927	10	30	3	9	71.50	-14.00			5.6b	NEIC	5.7
1927	10	31			44.85	26.70	5	6	3.8w	Onc	3.8
1927	11	19	23	3	48.80	-0.57	20	6		LLA	4.7
1927	11	20	10	24	44.40	10.40		6	4.0S	NT4.1	4.8
1927	12	11	15	49	45.15	7.22		5.5	4.8S	NT4.1	5.2
1927	12	16	10	44	48.27	9.02	8	6		Ley	3.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1928	1	27	3	13	47.67	7.70	11	4.5	4.0L	SED	3.6
1928	1	31	21	59	47.71	15.82	7	5.5	3.6S	ZAMG	3.6
1928	2	21	4	37	44.40	9.60		6	3.8S	NT4.1	4.6
1928	3	18	23	49	45.35	17.15	6	7	4.9L	ZivC	4.5
1928	3	22	5	27	45.40	17.00	4	6	4.2L	ZivC	3.8
1928	3	27	8	32	46.37	12.97	5	8.5	5.6S	NT4.1	5.6
1928	3	30	9	38	45.90	26.50	120	6	6.0w	Onc	6.0
1928	6	13	8		44.83	10.85	6	6.5	4.3S	NT4.1	4.9
1928	6	19	21	25	50.45	7.45	7	6		Ley	3.9
1928	6	24	0	50	47.22	-1.02		5		LLA	3.8
1928	7	20	19	53	44.50	9.62		6	3.7S	NT4.1	4.6
1928	8	1	19	3	62.70	-22.00			4.5L	IMO	4.9
1928	8	1	19	46	62.70	-22.00			5.0L	IMO	5.3
1928	8	1	20	28	62.70	-22.00			4.5L	IMO	4.9
1928	8	1	20	35	62.70	-22.00			4.5L	IMO	4.9
1928	8	1	20	46	62.70	-22.00			5.0L	IMO	5.3
1928	8	2	8	42	46.40	13.00		5.5	4.2S	NT4.1	4.9
1928	8	3	23	9	44.20	10.20		5.5	4.2S	NT4.1	4.9
1928	8	25	21	9	45.92	15.55	5	7		ZivS	4.1
1928	8	26	10	31	45.92	15.55		5.5		ZivS	3.7
1928	8	26	13	58	45.92	15.55		5.75		ZivS	3.8
1928	11	16	3	17	46.35	13.05		6	4.2S	NT4.1	4.9
1928	11	22	12	16	63.80	-22.80			4.8L	IMO	5.1
1928	11	23	4	23	45.70	26.60	150	5.5	5.7w	Onc	5.7
1928	12	2	22	51	64.00	-21.30			4.0L	IMO	4.4
1928	12	6	5	35	64.00	-21.30			4.3L	IMO	4.7
1928	12	13	19	36	50.95	6.48	10	5.5		Ley	3.6
1928	12	20	7	27	45.66	15.52	26	5	4.5L	ZivC	4.1
1928	12	30	16	34	46.18	6.87		5		LLA	3.8
1929	1	3	4	10	48.03	-2.50	15	5		LLA	4.0
1929	1	6	0	2	63.80	-22.80			5.3L	IMO	5.5
1929	3	1	10	32	46.77	6.75	6	7.5	4.4L	SED	4.0
1929	3	25	11	52	45.72	16.00	18	5	4.1L	ZivC	3.7
1929	4	20	1	9	44.45	11.13		7	5.4S	NT4.1	5.4
1929	5	20	12	17	45.80	26.50	100	6	6.0w	Onc	6.0
1929	5	22	18	49	45.80	27.40		4	3.9w	Onc	3.9
1929	5	23	18	36	57.20	6.60	77		4.4S	FEN	4.4
1929	5	29	23	31	57.30	6.40	53		4.3S	FEN	4.3
1929	6	10	23	3	70.90	9.20			6.1S	FEN	6.1
1929	6	26	20	15	48.63	19.57		5	3.7S	Lab	3.7
1929	6	27	22	39	71.00	-6.00			5.6b	NEIC	5.7
1929	7	15	23	37	45.30	14.60			4.0L	ZivC	3.6
1929	7	18	21	2	44.00	11.50		6.5	4.7S	NT4.1	5.2
1929	7	23	18	43	63.90	-21.70			6.3L	IMO	6.4
1929	7	23	20	4	63.90	-21.70			5.3L	IMO	5.5
1929	8	6	1	30	72.00	-8.00			5.6b	NEIC	5.7
1929	9	1	20	13	60.90	5.00		4	3.8S	FEN	3.8
1929	9	2	5	52	46.40	14.28	14	6		ZivS	4.1
1929	10	3	17	5	46.08	13.43		6	4.4S	NT4.1	5.0
1929	10	12	6	8	46.67	10.22	35	5.5	4.3L	SED	3.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1929	11	1	6	57	45.90	26.50	160	6.5	6.1w	Onc	6.1
1929	11	3	0	32	44.20	21.70	6	6	4.0L	Zsi	3.6
1929	11	5	8	50	46.75	19.69	19	5	4.0L	Zsi	3.6
1930	1	9	19	38	47.73	-2.80	15	7		LLA	4.9
1930	1	10	21	53	46.35	13.03		6	4.1S	NT4.1	4.8
1930	2	25	13	35	45.83	14.25	12	6		ZivS	4.0
1930	3	4	9	30	48.60	17.51		5	3.7S	Lab	3.7
1930	3	5	23	55	48.58	17.62	6	7.5	5.0S	Lab	5.0
1930	3	6	5	13	48.55	17.63	8	6.5	4.6S	Lab	4.6
1930	3	10	22	36	62.90	17.70	8	6		FEN	3.5
1930	4	3	17	45	70.20	23.00		4.5	4.4S	FEN	4.4
1930	4	11	2	44	46.58	18.27	15	5	3.9L	Zsi	3.6
1930	4	25	1	56	45.80	15.30	7	6		ZivS	3.8
1930	5	14	0	1	46.52	12.44	2	6	4.6S	NT4.1	5.1
1930	5	18	4	14	47.46	13.38	8	6	4.1S	ZAMG	4.1
1930	5	24	22	2	44.18	10.65	15	6	4.9S	NT4.1	5.3
1930	6	10	0	14	60.70	5.40		4	3.8S	FEN	3.8
1930	7	4	21	6	45.32	6.58	10	5.5		LLA	4.0
1930	7	10	13		45.20	14.50	7	5.5	4.4L	ZivC	4.0
1930	7	30	12	20	44.78	17.20	12	5	3.9L	ZivC	3.6
1930	8	22	6	49	47.98	19.43	10	6	4.2L	Zsi	3.8
1930	8	25	15	22	63.90	-22.20			4.3L	IMO	4.7
1930	8	25	15	35	63.90	-22.20			4.8L	IMO	5.1
1930	8	25	15	45	63.90	-22.20			4.0L	IMO	4.4
1930	8	26	4	10	48.67	-0.52		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1930	9	24	19	10	44.60	10.60		6	4.4S	NT4.1	5.0
1930	10	7	23	27	47.36	10.66	8	7.5	5.3S	ZAMG	5.3
1930	10	11	3	6	71.00	-13.00			5.6b	NEIC	5.7
1930	11	26	23	30	44.76	17.18		5	3.9L	ZivC	3.6
1930	11	27	9		44.76	17.18		5	3.9L	ZivC	3.6
1930	12	17	0	30	44.76	17.18		5	3.9L	ZivC	3.6
1931	1	22	2	54	46.50	14.85	12	6		ZivS	4.0
1931	1	25	10	48	44.25	10.10	5	6	4.0S	NT4.1	4.8
1931	3	5	8	40	64.00	-22.00			4.3L	IMO	4.7
1931	4	5	13	34	44.20	11.71		6.5	4.7S	NT4.1	5.2
1931	4	7	2	35	48.17	22.53	6	6	4.0L	Zsi	3.6
1931	4	12	22	25	49.90	17.90	10	6	4.0L	Zsi	3.6
1931	4	13	1	56	45.83	15.33	8	6		ZivS	3.8
1931	4	14	22	13	45.97	10.63	7	6	4.4S	NT4.1	5.0
1931	4	20	11	21	47.20	18.13		3	3.9L	Zsi	3.6
1931	4	21	15	22	47.20	18.13			4.0L	Zsi	3.6
1931	5	15	14	47	46.42	16.22	7	5.5		ZivS	3.5
1931	6	7	0	25	54.08	1.50	23		6.1L	Mus	5.8
1931	6	10	17	2	44.53	10.95		4	4.5S	NT4.1	5.1
1931	6	28	0	40	67.10	15.00		4	3.7S	FEN	3.7
1931	8	7	1	42	48.22	22.69	7	6		KSh	3.5
1931	8	23	15	53	64.00	-21.50			4.3L	IMO	4.7
1931	9	5	1	26	44.05	11.37		6.5	4.7S	NT4.1	5.2
1931	10	27	19	16	64.60	-21.50			4.0L	IMO	4.4
1931	10	28	3	17	64.60	-21.50			4.3L	IMO	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1931	10	28	7	45	64.60	-21.50			4.5L	IMO	4.9
1931	11	16	3	20	62.50	25.80	15	6		FEN	3.7
1931	12	25	11	41	46.20	13.13	9	7	5.2S	NT4.1	5.5
1932	1	19	21	29	44.67	6.78		5.5		LLA	4.0
1932	2	18	23	15	48.75	21.78	9	5.5	4.1S	Lab	4.1
1932	2	19	12	57	45.65	10.75		6.5	4.5S	NT4.1	5.1
1932	3	13	2	53	45.70	26.60	120	5.5	5.7w	Onc	5.7
1932	4	7	20	3	64.00	-21.00			4.0L	IMO	4.4
1932	4	17	7	46	63.80	-22.80			4.0L	IMO	4.4
1932	4	17	13	34	63.80	-22.80			4.5L	IMO	4.9
1932	5	27	10	42	45.70	26.60	120	6	6.0w	Onc	6.0
1932	9	7	18	36	45.70	26.60	120		5.8w	Onc	5.8
1932	9	24	14	15	64.00	-22.00			4.3L	IMO	4.7
1932	9	24	16	25	64.00	-22.00			4.3L	IMO	4.7
1932	10	21	18	43	47.44	12.76	8	5.5	3.8S	ZAMG	3.8
1932	11	2	8	42	63.80	-22.80			4.3L	IMO	4.7
1932	11	2	12	33	63.80	-22.80			4.5L	IMO	4.9
1932	11	15	16	28	47.20	14.45	8	5.5	3.7S	ZAMG	3.7
1932	11	20	23	36	51.67	5.58	8	7.5	5.5L	Mei95	5.1
1932	11	23	3	8	51.30	5.90		5	4.5L	Hou	4.1
1932	11	28	3	59	51.90	5.40		5	4.0L	Hou	3.6
1932	11	28	5	41	51.60	5.30		5	4.3L	Hou	3.9
1932	11	29	8	34	71.00	-8.00			5.6b	NEIC	5.7
1932	12	3	18	11	64.00	-22.00			4.3L	IMO	4.7
1932	12	31	2	50	66.50	-17.50			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1932	12	31	3	30	66.50	-17.50			4.0L	IMO	4.4
1933	1	14	8	30	54.30	-2.15	10	6	4.4L	Mus	4.0
1933	1	18			45.00	22.00		5	3.5w	Onc	3.5
1933	2	8	7	7	48.85	8.20	7	7	5.3L	Kun86	4.9
1933	2	21	15	45	48.24	8.94	22	5		Ley	3.5
1933	2	21	15	48	48.24	8.94	22	5		Ley	3.5
1933	2	26	1	48	48.85	8.20	7	5.5		Ley	3.5
1933	3	1	2	13	48.24	8.94	21	5		Ley	3.5
1933	3	12	3	25	44.98	16.73		5	3.9L	ZivC	3.6
1933	3	13	16	42	44.20	5.95		5		LLA	3.8
1933	3	26	0	19	44.98	16.73		5	3.9L	ZivC	3.6
1933	4	12	14	31	49.10	-1.90		5	5.2L	Mus	4.8
1933	4	25	22	37	71.00	-19.00			5.6b	NEIC	5.7
1933	6	10	12	6	63.90	-22.20			5.5L	IMO	5.7
1933	6	10	15	13	63.90	-22.20			4.5L	IMO	4.9
1933	6	10	16	6	63.90	-22.20			4.0L	IMO	4.4
1933	6	10	16	30	63.90	-22.20			4.8L	IMO	5.1
1933	6	10	20	38	63.90	-22.20			4.3L	IMO	4.7
1933	6	11	20	32	63.90	-22.20			4.0L	IMO	4.4
1933	7	6	21	10	46.52	2.07		5.5		LLA	4.0
1933	7	24	9	41	46.49	14.59	7	5.5	3.6S	ZAMG	3.6
1933	8	3	8	33	46.13	2.78		5		LLA	3.8
1933	8	12	9	56	46.68	6.78	4	7	4.4L	SED	4.0
1933	9	19	3	46	44.42	6.47		6.5		LLA	4.4
1933	9	24	23	55	46.28	7.88		5.5	4.2L	SED	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1933	10	3	7	54	47.80	2.17	5	6		LLA	3.8
1933	10	5	5	50	68.50	-19.50			5.0L	IMO	5.3
1933	10	5	6	22	68.50	-19.50			5.3L	IMO	5.5
1933	11	8	0	51	47.36	10.66	8	6.5	4.6S	ZAMG	4.6
1934	2	2	19	59	45.20	26.20	140	6	6.0w	Onc	6.0
1934	2	13	9	51	70.50	-14.50			5.6b	NEIC	5.7
1934	3	4	23	16	64.00	-23.00			4.0L	IMO	4.4
1934	3	23	1	46	45.80	10.10	13	5.5	4.0S	NT4.1	4.8
1934	3	29	20	6	45.80	26.50	90	7	6.6w	Onc	6.6
1934	3	30	21	4	64.70	-17.40			4.5L	IMO	4.9
1934	4	26	17	55	47.72	18.70		5.5	4.1L	Zsi	3.7
1934	5	1	2	14	44.43	4.75		5		LLA	3.8
1934	5	4	13	56	46.40	13.05	7	6	4.3S	NT4.1	4.9
1934	5	11	22		44.38	4.77		6		LLA	4.2
1934	5	11	22	15	44.42	4.77		5		LLA	3.8
1934	5	12	2		44.42	4.77		5		LLA	3.8
1934	5	12	8	21	44.40	4.78		7		LLA	4.7
1934	5	13	18	25	44.38	4.75		5		LLA	3.8
1934	5	14	3	25	44.42	4.77		5		LLA	3.8
1934	5	16	3	52	44.40	4.83	5	6		LLA	3.8
1934	5	16	4	30	44.33	4.83		6		LLA	4.2
1934	5	20	19	4	64.70	-2.10			4.8S	FEN	4.8
1934	5	21	10	7	71.75	-1.50			5.6b	NEIC	5.7
1934	6	2	13	43	66.00	-18.50			6.3L	IMO	6.4
1934	6	2	14	54	66.00	-18.50			4.3L	IMO	4.7
1934	6	2	18		66.00	-18.50			4.3L	IMO	4.7
1934	6	3	20	34	66.00	-18.50			4.5L	IMO	4.9
1934	6	8	3	16	46.27	12.52	35	6	4.7S	NT4.1	5.2
1934	6	13	9	6	44.48	9.80	15	6	4.9S	NT4.1	5.3
1934	6	24	9	25	44.42	4.80		6		LLA	4.2
1934	7	14	5	45	44.42	4.80		5		LLA	3.8
1934	7	18	11	52	64.60	-21.50			4.0L	IMO	4.4
1934	7	18	11	53	64.60	-21.50			4.3L	IMO	4.7
1934	8	16	2	15	57.54	-5.34	14	5.5	4.1L	Mus	3.7
1934	9	1	0	29	46.79	16.93	7	6	4.7L	Zsi	4.3
1934	9	4	1	26	47.39	11.80	6	6.5	4.7S	ZAMG	4.7
1934	9	12	20	50	48.42	7.67		5		LLA	3.8
1934	9	18	9	37	44.50	11.00		4	4.2S	NT4.1	4.9
1934	10	15	1	40	44.50	19.20		7	4.7L	ZivC	4.3
1934	11	30	2	58	44.10	14.00	30		5.6L	ZivC	5.2
1934	12	9	17	40	44.42	4.80		6		LLA	4.2
1934	12	12	20	8	60.20	23.20	7	6		FEN	3.5
1934	12	29			45.70	26.60	100		5.0w	Onc	5.0
1935	1	4	4	12	51.27	6.40	13	6		Ley	4.1
1935	1	28	15	12	65.80	11.00			4.2S	FEN	4.2
1935	1	31	12	39	47.70	9.02	8	6		Ley	3.9
1935	2	3	22	48	45.70	26.60	100		5.0w	Onc	5.0
1935	2	5	1	30	48.30	8.20		6		Ley	4.0
1935	3	19	7	27	44.58	6.63	10	7		LLA	4.7
1935	3	23	23	46	49.45	19.85		5.5		Pag	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1935	5	16	4	34	48.40	7.67		5		LLA	3.8
1935	6	5	11	48	44.25	11.88	13	6	5.1S	NT4.1	5.4
1935	6	8	4	2	64.00	-22.00			4.0L	IMO	4.4
1935	6	27	17	19	48.04	9.47	9	7.5	5.4w	Kun86	5.4
1935	6	28	9	9	48.04	9.47	20	5		Ley	3.5
1935	7	13	0	3	45.30	26.60	140	6	6.0w	Onc	6.0
1935	7	13	0	6	45.70	26.60	100		5.2w	Onc	5.2
1935	7	17	0	5	65.90	7.20			5.0S	FEN	5.0
1935	7	18	13	15	45.80	0.13		5		LLA	3.8
1935	7	24	23	18	50.07	17.02	7	7.5	4.2L	Zsi	3.8
1935	8	14	12	59	45.77	3.17	10	5		LLA	3.8
1935	8	19	18	32	45.75	0.07	5	5.5		LLA	3.6
1935	9	5	6		45.80	26.70	130	6	6.0w	Onc	6.0
1935	9	28	16	17	45.77	-0.03	5	7		LLA	4.2
1935	9	29	6	30	44.20	6.40		5.5		LLA	4.0
1935	10	5	14	2	44.81	17.28	17	5	4.1L	ZivC	3.7
1935	10	6	7	45	62.00	3.90	48		4.3S	FEN	4.3
1935	10	8	7	6	44.76	17.18	5	6	3.9L	ZivC	3.6
1935	10	9	22	8	64.00	-21.50			5.5L	IMO	5.7
1935	10	10	5	52	62.50	17.10	7	6		FEN	3.5
1935	10	11	0	46	44.79	17.21	6	7	4.6L	ZivC	4.2
1935	10	14	10	29	64.00	-21.50			5.0L	IMO	5.3
1935	10	20	22	37	45.77	0.10		5		LLA	3.8
1935	10	21	11	7	44.88	17.29	7	7	4.7L	ZivC	4.3
1935	11	14	5	37	45.78	0.10		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1935	12	10	11	4	44.79	17.20	20	5	4.2L	ZivC	3.8
1935	12	12	3	14	44.76	17.18	33	6	4.3L	ZivC	3.9
1935	12	19	20	30	44.42	4.80		5		LLA	3.8
1935	12	30	3	7	48.62	8.22	24	6		Ley	4.3
1935	12	30	3	36	48.62	8.22	24	6.5		Ley	4.6
1936	1	8	16	23	46.42	14.92	19	6		ZivS	4.3
1936	1	11	4	40	44.45	4.78		5		LLA	3.8
1936	1	17	0	14	45.75	-0.02		5		LLA	3.8
1936	1	20	2	30	64.30	10.70		4	4.0S	FEN	4.0
1936	1	29	12	35	46.25	2.75	10	5		LLA	3.8
1936	1	30	18	45	45.03	5.78		5.5		LLA	4.0
1936	2	4	8	16	46.25	14.55	15	5.5		ZivS	3.9
1936	2	13	5	14	44.40	4.75	5	6		LLA	3.8
1936	3	4	5	45	48.02	21.08	12	5	3.9L	Zsi	3.6
1936	3	15	1	26	47.65	9.48	8	6	4.3L	SED	3.9
1936	4	8			44.42	4.80		5		LLA	3.8
1936	4	17	3	19	46.05	5.93	5	7		LLA	4.2
1936	5	4	22	34	44.42	4.80		5		LLA	3.8
1936	5	10	12	41	45.70	26.60	100		4.5w	Onc	4.5
1936	5	14	12	50	45.70	26.60	100		5.0w	Onc	5.0
1936	5	17	17	38	45.30	26.30	140	5.5	6.0w	Onc	6.0
1936	5	22	22	51	45.70	26.60	100		4.5w	Onc	4.5
1936	6	22	3	44	45.50	10.77	5	6	4.3S	NT4.1	4.9
1936	7	1	21	32	47.52	9.43	7	5	4.4L	SED	4.0
1936	7	7	1		44.42	4.80		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1936	7	14	18	37	64.40	-20.70			4.8L	IMO	5.1
1936	8	2	20	27	48.61	22.53	6	6.5		KSh	3.8
1936	9	6	4	49	45.70	21.10	5	7	4.8w	Onc	4.8
1936	9	21	15	32	63.80	-22.80			4.0L	IMO	4.4
1936	9	21	16	11	63.80	-22.80			4.5L	IMO	4.9
1936	9	21	16	26	63.80	-22.80			4.5L	IMO	4.9
1936	9	21	17	7	63.80	-22.80			4.0L	IMO	4.4
1936	9	21	17	12	63.80	-22.80			4.3L	IMO	4.7
1936	9	21	18	10	63.80	-22.80			4.8L	IMO	5.1
1936	9	21	18	12	63.80	-22.80			4.5L	IMO	4.9
1936	9	21	18	13	63.80	-22.80			4.5L	IMO	4.9
1936	9	21	18	17	63.80	-22.80			4.0L	IMO	4.4
1936	9	21	18	28	63.80	-22.80			4.0L	IMO	4.4
1936	9	21	20	29	63.80	-22.80			4.8L	IMO	5.1
1936	9	21	20	30	63.80	-22.80			4.5L	IMO	4.9
1936	9	22	12	39	63.80	-22.80			4.0L	IMO	4.4
1936	10	3	15	48	47.07	14.70	8	7.5	5.1S	ZAMG	5.1
1936	10	18	3	10	46.07	12.37	18	9	5.8S	NT4.1	5.7
1936	10	22	23	50	66.80	-17.40			5.8L	IMO	5.9
1936	10	23	0	1	66.80	-17.40			5.8L	IMO	5.9
1936	10	23	2	50	66.80	-17.40			4.8L	IMO	5.1
1936	10	31	15	52	45.70	26.60	150		5.0w	Onc	5.0
1936	11	1	0	23	45.70	26.60	75		5.0w	Onc	5.0
1936	11	23	22	44	44.75	17.81	20	6	4.2L	ZivC	3.8
1937	1	5	20	58	46.50	13.00		6	4.1S	NT4.1	4.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1937	1	9	0	20	61.40	5.70		4	3.9S	FEN	3.9
1937	1	26	14	34	45.70	26.60	100		5.4w	Onc	5.4
1937	2	18	5	30	46.13	12.22		6	4.4S	NT4.1	5.0
1937	3	10	21	34	45.43	16.12	17	6	3.9L	ZivC	3.6
1937	4	4	15	25	45.30	17.90		6	4.3L	ZivC	3.9
1937	4	4	15	40	45.25	17.90	6	7	4.7L	ZivC	4.3
1937	4	4	15	43	45.22	18.00		6	4.3L	ZivC	3.9
1937	4	6	7	34	45.30	17.90	6	6	3.9L	ZivC	3.6
1937	5	27	1	5	45.70	26.60	100		4.5w	Onc	4.5
1937	6	7	22	2	46.37	10.65		6	4.1S	NT4.1	4.8
1937	6	10	2	43	48.12	21.35	8	6	4.2L	Zsi	3.8
1937	7	2	23	51	45.70	26.60	100		4.0w	Onc	4.0
1937	9	14	8	58	48.21	23.54	7	6.5		KSh	3.9
1937	9	17	12	19	44.80	10.30	5	6	3.8S	NT4.1	4.6
1937	11	27	20	10	71.00	10.00			5.1S	FEN	5.1
1937	12	10	18	4	44.35	10.83	4	6.5	5.2S	NT4.1	5.5
1937	12	17	3	11	44.67	6.72		6		LLA	4.2
1938	1	25	1	36	64.00	-22.00			4.0L	IMO	4.4
1938	2	2	10	55	46.13	15.22	7	5.5		ZivS	3.5
1938	2	10	5	30	64.80	-22.50			4.3L	IMO	4.7
1938	2	10	5	59	64.80	-22.50			4.5L	IMO	4.9
1938	2	10	6	54	64.80	-22.50			4.5L	IMO	4.9
1938	2	10	7	3	64.80	-22.50			5.3L	IMO	5.5
1938	2	10	8	28	64.80	-22.50			5.0L	IMO	5.3
1938	2	10	8	38	64.80	-22.50			5.0L	IMO	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1938	2	10	8	54	64.80	-22.50			4.5L	IMO	4.9
1938	2	10	9	29	64.80	-22.50			4.3L	IMO	4.7
1938	2	10	9	34	64.80	-22.50			4.8L	IMO	5.1
1938	2	10	10	19	64.80	-22.50			5.3L	IMO	5.5
1938	2	10	11	40	64.80	-22.50			4.8L	IMO	5.1
1938	2	15	2	32	44.62	6.55	5	6		LLA	3.8
1938	3	11	16	10	61.60	4.10	72		4.3S	FEN	4.3
1938	3	27	11	16	46.02	16.85	7	8	5.6L	ZivC	5.2
1938	4	2	18	10	71.30	26.60		4	3.8S	FEN	3.8
1938	4	11	6	42	48.04	9.47	7	6		Ley	3.9
1938	4	11	6	47	48.04	9.47	13	5.5		Ley	3.7
1938	6	11	10	57	50.78	3.58	24	7.5	5.6L	ORB	5.2
1938	6	11	13	8	50.78	3.58		4	4.0L	ORB	3.6
1938	6	12	13	25	50.78	3.58		5	4.5L	ORB	4.1
1938	7	4	23	8	45.70	26.60	100		4.7w	Onc	4.7
1938	7	7	7	48	46.05	12.75		5	4.7S	NT4.1	5.2
1938	7	8	6	32	46.10	21.10	6	6.5	4.3w	Onc	4.3
1938	7	8	16	47	46.15	15.23	6	6		ZivS	3.7
1938	7	8	22	50	66.50	-17.00			4.5L	IMO	4.9
1938	7	9	9	21	66.50	-17.00			4.5L	IMO	4.9
1938	7	13	20	15	45.90	26.70	120	6	6.0w	Onc	6.0
1938	7	14	19	57	46.38	12.97		6	4.5S	NT4.1	5.1
1938	7	18	0	57	44.67	6.60	15	6.5		LLA	4.7
1938	8	2	4	11	48.27	8.99	8	5.5		Ley	3.6
1938	8	17	19	14	45.70	26.60	100		4.2w	Onc	4.2
1938	8	17	20	14	45.70	26.80	100		4.2w	Onc	4.2
1938	9	23	1	51	45.90	7.30		5	4.4S	NT4.1	5.0
1938	9	29	15	6	46.02	16.98	24	4.5	4.2L	ZivC	3.8
1938	11	8	3	12	47.96	16.40	7	7	5.0S	ZAMG	5.0
1938	12	8	7	35	45.12	5.30		6		LLA	4.2
1938	12	10	3	10	44.43	6.43		5		LLA	3.8
1938	12	23	17	34	45.40	7.50	11	6	4.4S	NT4.1	5.0
1939	2	2	18	58	45.70	26.60	100		4.0w	Onc	4.0
1939	2	5	22		45.20	14.60	8	6.5	4.4L	ZivC	4.0
1939	2	6	7	23	45.20	14.60	12	6.5	4.9L	ZivC	4.5
1939	2	7	1		45.20	14.60	19	5	4.0L	ZivC	3.6
1939	2	11	11	17	44.07	11.57	5	7	4.8S	NT4.1	5.2
1939	3	5	23	23	45.42	5.30		5		LLA	3.8
1939	3	23	6	44	47.43	21.97	23	6	5.1L	Zsi	4.7
1939	4	5	16	2	45.70	26.60	100		4.0w	Onc	4.0
1939	4	24	20	6	45.70	26.60	100		4.6w	Onc	4.6
1939	5	6	4	10	46.07	14.82	11	6.5		ZivS	4.2
1939	5	9	21	9	64.00	-22.00			4.3L	IMO	4.7
1939	5	16	4	5	44.37	3.10		6		LLA	4.2
1939	6	17	3	41	45.70	26.60	100		3.9w	Onc	3.9
1939	6	22	14	11	61.40	4.70		4	3.9S	FEN	3.9
1939	6	30	12	3	45.70	26.60	100		4.5w	Onc	4.5
1939	7	1	21	32	47.55	9.47		5.5		SED	3.8
1939	7	2	15	49	44.58	16.79	10	6	4.3L	ZivC	3.9
1939	7	2	23	46	44.60	18.10	10	6	4.4L	ZivC	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1939	7	10	16	27	45.93	12.77		5	4.4S	NT4.1	5.0
1939	7	21	13	4	50.43	7.82	13	5.5		Ley	3.7
1939	7	28	8	39	45.70	26.60	100		4.9w	Onc	4.9
1939	7	28	9	29	45.70	26.60	100		3.9w	Onc	3.9
1939	8	1	19	55	45.70	26.60	100		3.8w	Onc	3.8
1939	8	3	22	26	45.70	26.60	100		4.4w	Onc	4.4
1939	9	5	6	2	45.90	26.70	120	6	6.2w	Onc	6.2
1939	9	18	0	14	47.77	15.91	7	7	5.0S	ZAMG	5.0
1939	10	9	10	10	59.30	8.40	22	5	4.1S	FEN	4.1
1939	10	15	14	5	44.17	10.23	18	6.5	4.9S	NT4.1	5.3
1939	12	11	18	42	59.90	5.20		4	3.7S	FEN	3.7
1939	12	13	4	3	45.90	-0.08		5		LLA	3.8
1940	1	3	19	15	46.03	11.80	15	6	4.4S	NT4.1	5.0
1940	1	5	2	36	45.30	25.20	7	6	4.5w	Onc	4.5
1940	1	7	20	12	46.70	9.60	20	5.5	4.1L	SED	3.7
1940	1	12	7	12	66.00	-17.50			4.0L	IMO	4.4
1940	1	12	9	40	66.00	-17.50			4.8L	IMO	5.1
1940	1	24	23	32	44.47	10.10	20	5	4.6S	NT4.1	5.1
1940	2	10	18	14	45.70	26.70	150		5.2w	Onc	5.2
1940	2	14	19	30	45.70	26.70	130		5.0w	Onc	5.0
1940	3	9	4	54	45.83	15.42	4	7		ZivS	4.0
1940	4	29	2	21	44.75	6.58		5		LLA	3.8
1940	5	1	9	36	44.80	10.18	25	5	4.8S	NT4.1	5.2
1940	5	7	7	15	45.70	26.60	100		4.9w	Onc	4.9
1940	5	17	12	50	45.70	26.60	100		4.5w	Onc	4.5
1940	6	4	3	49	63.80	-22.80			4.0L	IMO	4.4
1940	6	24	9	57	45.90	26.60	115	5.5	5.9w	Onc	5.9
1940	7	15	18	43	45.70	26.60	100		4.5w	Onc	4.5
1940	8	7	17	26	64.00	-22.00			4.8L	IMO	5.1
1940	8	15	18	43	45.70	26.60	100		4.6w	Onc	4.6
1940	9	27	13	33	45.70	26.60	100		4.0w	Onc	4.0
1940	10	3	15	4	45.60	26.60	150		5.1w	Onc	5.1
1940	10	21	22	14	45.70	26.80	100	4	5.0w	Onc	5.0
1940	10	22	6	37	45.80	26.40	125	7	6.5w	Onc	6.5
1940	10	22	22	14	45.70	26.60	130		5.0w	Onc	5.0
1940	11	6	19	58	45.70	26.60	130		5.0w	Onc	5.0
1940	11	6	22	6	45.70	26.60	100		4.1w	Onc	4.1
1940	11	8	12	0	45.50	26.20	145	6	5.9w	Onc	5.9
1940	11	10	1	39	45.80	26.70	150	9.5	7.7w	Onc	7.7
1940	11	10	8	14	45.70	26.60	100		3.9w	Onc	3.9
1940	11	10	9	3	45.70	26.60	130		4.6w	Onc	4.6
1940	11	10	10	40	45.70	26.60	130		4.5w	Onc	4.5
1940	11	10	13	28	45.70	26.60	130		5.0w	Onc	5.0
1940	11	10	13	37	45.70	26.60	130		4.9w	Onc	4.9
1940	11	10	16	41	45.70	26.60	130		5.0w	Onc	5.0
1940	11	10	19	47	45.70	26.60	130		4.8w	Onc	4.8
1940	11	10	21	41	45.70	26.60	130		4.9w	Onc	4.9
1940	11	11	6	34	46.00	26.80	130	6	5.9w	Onc	5.9
1940	11	12	14	48	45.70	26.60	130		4.7w	Onc	4.7
1940	11	12	20	57	45.70	26.60	130		4.6w	Onc	4.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1940	11	13	5	45	45.70	26.60	130		4.6w	Onc	4.6
1940	11	13	16	51	45.70	26.60	130		5.2w	Onc	5.2
1940	11	13	17	11	45.70	26.60	100		4.4w	Onc	4.4
1940	11	14	14	37	45.70	26.60	130		5.3w	Onc	5.3
1940	11	14	22	32	45.70	26.60	130		4.9w	Onc	4.9
1940	11	15	10	54	45.70	26.60	100		4.4w	Onc	4.4
1940	11	16	22	31	45.70	26.60	130		5.0w	Onc	5.0
1940	11	17	6	1	45.70	26.60	130		5.1w	Onc	5.1
1940	11	19	20	27	46.00	26.50	110	6	5.7w	Onc	5.7
1940	11	20	8	9	45.70	26.60	100		4.0w	Onc	4.0
1940	11	20	9	44	45.70	26.60	100		4.4w	Onc	4.4
1940	11	20	12	58	45.70	26.60	100		4.0w	Onc	4.0
1940	11	21	1	21	45.80	26.60	130		4.9w	Onc	4.9
1940	11	21	12	18	45.70	26.60	100		3.8w	Onc	3.8
1940	11	22	2	30	45.70	26.60	130		5.0w	Onc	5.0
1940	11	22	9	35	45.70	26.60	100		4.1w	Onc	4.1
1940	11	23	14	49	45.80	26.80	150	5.5	5.7w	Onc	5.7
1940	11	24	21	39	45.70	26.60	100		4.1w	Onc	4.1
1940	11	25	12	19	45.70	26.60	100		3.9w	Onc	3.9
1940	11	25	13	31	45.70	26.60	100		3.9w	Onc	3.9
1940	11	27	8	13	45.70	26.60	130		5.0w	Onc	5.0
1940	12	1	17	19	45.70	26.60	130		5.5w	Onc	5.5
1940	12	6	19	58	45.80	26.60	130		4.8w	Onc	4.8
1940	12	10	1	35	45.70	26.60	130		5.3w	Onc	5.3
1940	12	12	21	20	52.90	-4.40	9	5.5	4.7L	Mus	4.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1940	12	17	10	52	44.98	17.91	17	7	4.6L	ZivC	4.2
1940	12	22	7	54	45.70	26.60	100		3.9w	Onc	3.9
1941	1	6	16	16	45.70	26.60	100		4.7w	Onc	4.7
1941	1	12	15	48	45.70	26.60	100		4.3w	Onc	4.3
1941	1	13	2	29	45.70	26.60	100		3.9w	Onc	3.9
1941	1	13	3	39	45.70	26.60	100		3.9w	Onc	3.9
1941	1	27	1	21	61.00	5.00	28	4.5	4.1S	FEN	4.1
1941	1	29	7	4	45.70	26.60	130		5.5w	Onc	5.5
1941	2	2	4	44	45.70	26.60	100		4.3w	Onc	4.3
1941	2	11	8	32	45.70	26.60	100		4.6w	Onc	4.6
1941	2	13	10	28	45.70	26.60	100		4.3w	Onc	4.3
1941	2	23	20	12	44.13	7.28	20	6	4.3S	NT4.1	4.9
1941	3	9	22	37	45.70	26.60	100		3.8w	Onc	3.8
1941	3	12	23	45	45.70	26.60	100		4.7w	Onc	4.7
1941	3	16	6	50	45.70	26.60	130		5.0w	Onc	5.0
1941	4	4	19	27	45.70	26.60	130		5.0w	Onc	5.0
1941	4	24	23	21	45.70	26.60	100		3.8w	Onc	3.8
1941	5	8	6	23	63.50	-24.00			4.0L	IMO	4.4
1941	5	8	6	51	63.50	-24.00			4.0L	IMO	4.4
1941	5	8	6	56	63.50	-24.00			5.3L	IMO	5.5
1941	5	8	7	45	63.50	-24.00			4.3L	IMO	4.7
1941	5	14	13	45	45.70	26.60	100		4.9w	Onc	4.9
1941	5	19	20	25	45.70	26.60	100		4.8w	Onc	4.8
1941	6	5	2	49	48.86	21.80	3	7	4.4S	Lab	4.4
1941	6	5	5	15	48.87	21.82		5	3.7S	Lab	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1941	6	6	21	2	72.00	-0.50			5.6b	NEIC	5.7
1941	6	27	2	55	45.70	26.60	130		5.1w	Onc	5.1
1941	7	3	10	43	45.70	26.60	100		4.9w	Onc	4.9
1941	7	25	0	1	45.70	26.60	100		4.6w	Onc	4.6
1941	7	29	8	22	45.70	26.60	100		4.5w	Onc	4.5
1941	8	9	14	14	63.00	-25.00			4.8L	IMO	5.1
1941	8	9	14	24	63.00	-25.00			5.0L	IMO	5.3
1941	8	9	15	7	63.00	-25.00			4.8L	IMO	5.1
1941	8	9	15	28	63.00	-25.00			5.5L	IMO	5.7
1941	8	9	15	35	63.00	-25.00			5.8L	IMO	5.9
1941	8	10	19	20	45.37	5.30	5	6		LLA	3.8
1941	8	30	4	41	45.80	20.80	7	7	4.8w	Onc	4.8
1941	9	3	20	55	45.70	26.60	100		4.1w	Onc	4.1
1941	9	5	8	23	45.70	26.60	130		5.1w	Onc	5.1
1941	9	7		50	71.25	-2.50			5.6b	NEIC	5.7
1941	9	26	7	30	45.70	26.60	100		4.6w	Onc	4.6
1941	9	28	21	24	63.80	-22.50			4.0L	IMO	4.4
1941	11	4	21	59	45.70	26.60	100		4.1w	Onc	4.1
1941	12	10	7	23	45.70	26.60	130		5.3w	Onc	5.3
1942	1	4	22	40	60.00	6.00		4.5	3.8S	FEN	3.8
1942	1	20	9	38	64.00	-20.70			4.3L	IMO	4.7
1942	2	12	16	2	45.42	5.45		5.5		LLA	4.0
1942	3	8	22	54	45.70	26.60	100		4.5w	Onc	4.5
1942	3	15	23	30	44.52	6.67		5		LLA	3.8
1942	3	17	0	24	45.70	26.60	130		5.0w	Onc	5.0
1942	4	12	0	1	46.25	13.83	11	6		ZivS	4.0
1942	4	13	3	7	45.70	26.50	70		5.6w	Onc	5.6
1942	4	25	20	2	66.30	-19.50			4.8L	IMO	5.1
1942	4	27	10	59	45.70	26.60	130		5.2w	Onc	5.2
1942	5	5	4	58	45.70	26.60	130		5.0w	Onc	5.0
1942	6	8	5	49	45.70	26.60	100		4.5w	Onc	4.5
1942	6	17	22	14	64.00	-20.70			4.5L	IMO	4.9
1942	6	20	14	42	45.90	10.88	4	6	3.6S	NT4.1	4.5
1942	7	1	23	42	46.40	7.15	2	4.5	4.1L	SED	3.7
1942	7	17	10	26	48.27	9.00	11	6		Ley	4.0
1942	7	18	15	46	47.52	7.44	1		3.9L	SED	3.6
1942	7	29	19	19	45.70	26.60	130		5.4w	Onc	5.4
1942	8	9	16	57	45.70	26.60	100		4.3w	Onc	4.3
1942	8	21			45.70	26.60	100		4.0w	Onc	4.0
1942	8	27	5	42	45.80	26.50	100		4.7w	Onc	4.7
1942	9	5	12	29	45.70	26.60	100		4.6w	Onc	4.6
1942	9	6	1	34	45.70	26.60	100		3.9w	Onc	3.9
1942	9	15			45.70	26.60	100		4.1w	Onc	4.1
1942	9	20	5	37	45.70	26.50	140		5.3w	Onc	5.3
1942	9	20	20	2	45.70	25.20			4.1w	Onc	4.1
1942	9	29	21	55	47.35	19.63		4	4.1L	Zsi	3.7
1942	9	30	3	30	47.45	19.60	8	6	4.2L	Zsi	3.8
1942	10	3	12	43	45.70	26.60	125		5.0w	Onc	5.0
1942	10	14	22	14	45.70	26.60	100		4.6w	Onc	4.6
1942	10	30	0	18	46.54	6.94	7		4.4L	SED	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1942	11	13			45.70	26.60	100		4.2w	Onc	4.2
1942	11	19	17	55	63.50	-23.00			5.0L	IMO	5.3
1942	11	19	18	6	63.50	-23.00			4.3L	IMO	4.7
1942	11	19	21	9	63.50	-23.00			4.5L	IMO	4.9
1942	11	19	21	11	63.50	-23.00			4.5L	IMO	4.9
1942	11	19	21	31	63.50	-23.00			4.3L	IMO	4.7
1942	11	26	3	10	59.90	6.20	35	5	4.5S	FEN	4.5
1942	12	27	7	45	44.50	18.00			4.1L	ZivC	3.7
1943	1	1	8	50	45.70	26.60	100		4.0w	Onc	4.0
1943	1	4	10	36	45.70	26.60	100		4.8w	Onc	4.8
1943	1	5	9	59	45.70	26.60	100		4.6w	Onc	4.6
1943	1	17	2	48	45.70	26.60	100		4.3w	Onc	4.3
1943	1	30	21	5	44.47	6.83		5		LLA	3.8
1943	2	8	9	5	45.70	26.60	100		4.5w	Onc	4.5
1943	2	9	12	2	45.70	26.60	100		4.4w	Onc	4.4
1943	2	12	7	50	45.70	26.60	100		4.0w	Onc	4.0
1943	2	19	16	3	45.70	26.60	100		3.9w	Onc	3.9
1943	4	23	20	55	45.70	26.60	100		4.3w	Onc	4.3
1943	4	25	11	35	48.27	8.98	8	6		Ley	3.9
1943	4	28	19	46	45.80	27.10	100	6	5.9w	Onc	5.9
1943	5	2	1	8	48.27	8.98	9	7	4.9w	Kun86	4.9
1943	5	18	18	34	45.70	26.60	120		5.0w	Onc	5.0
1943	5	19	7	30	45.70	26.60	100		4.3w	Onc	4.3
1943	5	22	19	3	45.15	7.17	10	5	4.6S	NT4.1	5.1
1943	5	28	1	24	48.27	8.98	9	8	5.3w	Kun86	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1943	6	1	13	53	48.26	8.98	7	6.5	5.0L	Kun86	4.6
1943	6	3	6	43	45.70	26.60	100		4.3w	Onc	4.3
1943	6	12	4	21	46.40	13.00	5	6	4.4S	NT4.1	5.0
1943	6	20	1		45.00	23.00		6	5.2w	Onc	5.2
1943	6	22	4	25	45.60	26.40	145		4.6w	Onc	4.6
1943	6	22	19	20	45.70	26.60	100		4.1w	Onc	4.1
1943	6	24	6	50	45.70	26.60	100		4.0w	Onc	4.0
1943	6	24	9	45	45.70	26.60	100		3.8w	Onc	3.8
1943	6	24	19	42	48.26	8.98	7	5.5		Ley	3.5
1943	6	28	14	59	45.70	26.60	100		4.5w	Onc	4.5
1943	7	1	12	29	45.70	26.60	100		3.9w	Onc	3.9
1943	7	4	4	37	48.27	8.98	7	6		Ley	3.9
1943	7	8	13	58	45.70	26.60	100		3.9w	Onc	3.9
1943	7	10	2	50	45.80	26.80	130		5.3w	Onc	5.3
1943	7	13	12	50	45.70	26.60	100		4.0w	Onc	4.0
1943	7	14	4	16	48.26	8.98	9	6		Ley	3.9
1943	7	19	10	16	45.70	26.60	100		3.8w	Onc	3.8
1943	7	24	1	44	45.97	12.02		6.5	4.8S	NT4.1	5.2
1943	7	26			45.70	26.60	100		4.3w	Onc	4.3
1943	8	6	1	44	45.70	26.60	100		4.5w	Onc	4.5
1943	8	10	13	59	45.70	26.60	100		3.9w	Onc	3.9
1943	8	16	2	54	45.70	26.60	100		4.1w	Onc	4.1
1943	8	21	18	31	45.70	26.60	100		4.2w	Onc	4.2
1943	8	25			45.70	26.60	100		4.0w	Onc	4.0
1943	8	29	5	35	58.90	5.90	26	4.5	4.5S	FEN	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1943	9	2	6	8	45.70	26.60	100		4.4w	Onc	4.4
1943	9	21	3	37	45.70	26.60	100		4.4w	Onc	4.4
1943	10	6	20	42	46.91	8.56	10		4.0L	SED	3.6
1943	10	13	22	57	45.70	26.60	100		4.6w	Onc	4.6
1943	10	13	23	24	48.28	8.98	8	6		Ley	3.9
1943	10	15	6	37	45.90	26.70	100		4.5w	Onc	4.5
1943	10	15	7	36	45.63	26.60	60		4.7w	Onc	4.7
1943	10	16	12	10	45.10	8.10		5	4.2S	NT4.1	4.9
1943	10	17	2	30	48.30	9.00	3	6		Ley	3.6
1943	10	20	1	24	45.70	26.60	100		4.3w	Onc	4.3
1943	11	11	15	59	45.70	26.60	100		3.9w	Onc	3.9
1943	11	15	8	30	46.02	11.80	16	6	4.4S	NT4.1	5.0
1943	11	29	2	4	46.50	16.00	19	6		ZivS	4.3
1943	12	11	1	44	45.70	26.60	100		4.5w	Onc	4.5
1943	12	22	15	35	45.80	26.50	150		5.1w	Onc	5.1
1943	12	27	18	50	48.26	8.98	7	6.5		Ley	4.2
1943	12	27	18	57	48.26	8.98	10	6		Ley	4.0
1943	12	27	19	46	48.26	8.98	12	5.5		Ley	3.7
1944	1	6	3	40	45.70	26.60	100		4.1w	Onc	4.1
1944	1	22	10	48	45.70	26.60	100		4.4w	Onc	4.4
1944	2	3	3	56	45.70	26.60	100		4.5w	Onc	4.5
1944	2	4	18	13	66.00	-17.50			5.3L	IMO	5.5
1944	2	6	17	6	66.00	-17.50			5.0L	IMO	5.3
1944	2	10	3	20	66.00	-17.50			4.8L	IMO	5.1
1944	2	18	20	3	63.40	-23.60			5.0L	IMO	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1944	2	18	21	37	63.40	-23.60			5.3L	IMO	5.5
1944	2	19	11	36	63.40	-23.60			5.8L	IMO	5.9
1944	2	19	13	47	63.40	-23.60			5.5L	IMO	5.7
1944	2	20	19	32	63.40	-23.60			5.3L	IMO	5.5
1944	2	21	0	26	63.40	-23.60			5.3L	IMO	5.5
1944	2	21	8	29	63.40	-23.60			5.3L	IMO	5.5
1944	2	21	15	26	63.40	-23.60			5.5L	IMO	5.7
1944	2	21	17	34	63.40	-23.60			5.3L	IMO	5.5
1944	2	21	20	14	63.40	-23.60			5.0L	IMO	5.3
1944	2	22	0	33	63.40	-23.60			5.0L	IMO	5.3
1944	2	22	2	13	63.40	-23.60			5.3L	IMO	5.5
1944	2	23	1	29	63.40	-23.60			5.3L	IMO	5.5
1944	2	25	16	59	45.70	26.60	100		5.6w	Onc	5.6
1944	2	28	12	24	63.40	-23.60			5.3L	IMO	5.5
1944	3	1	15	48	45.70	26.60	100		4.5w	Onc	4.5
1944	3	2	12	19	63.40	-23.60			4.5L	IMO	4.9
1944	3	4	3	40	63.40	-23.60			4.3L	IMO	4.7
1944	3	7	2	32	63.40	-23.60			4.3L	IMO	4.7
1944	3	9	19	44	46.37	4.76	10		4.3L	SED	3.9
1944	3	12	21	19	45.80	26.50	130		5.0w	Onc	5.0
1944	3	17			45.70	26.60	100		4.1w	Onc	4.1
1944	3	18	0	52	45.70	26.60	100		4.0w	Onc	4.0
1944	3	26	17	32	45.70	26.60	100		4.6w	Onc	4.6
1944	4	6			45.70	26.60	100		4.1w	Onc	4.1
1944	4	7	2	55	45.70	26.60	100		4.5w	Onc	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1944	4	7	8	8	45.70	26.60	100		4.1w	Onc	4.1
1944	5	28	13	17	45.70	26.60	100		4.3w	Onc	4.3
1944	5	29	9	32	45.70	26.60	100		4.2w	Onc	4.2
1944	6	2	4	52	64.00	-22.50			4.0L	IMO	4.4
1944	6	6	7	51	45.70	26.60	100		3.8w	Onc	3.8
1944	6	10	6	16	45.70	26.60	100		4.7w	Onc	4.7
1944	7	8	10	50	45.70	26.60	100		4.9w	Onc	4.9
1944	7	10	6	21	63.40	-23.60			5.0L	IMO	5.3
1944	8	11	15	43	45.70	26.60	100		4.0w	Onc	4.0
1944	9	8	6	18	45.70	26.60	130		5.0w	Onc	5.0
1944	9	8	9	19	45.70	26.60	100		4.8w	Onc	4.8
1944	9	10	9	45	45.70	26.60	100		4.4w	Onc	4.4
1944	12	15	6	31	45.70	26.60	100		4.1w	Onc	4.1
1944	12	17	12	22	45.70	26.60	100		4.5w	Onc	4.5
1944	12	18	8	29	45.70	26.60	100		4.0w	Onc	4.0
1944	12	30	0	35	53.86	-2.02	21	6	4.8L	Mus	4.4
1945	1	5	23	29	47.58	14.46	6	5.5	3.5S	ZAMG	3.5
1945	1	10	5	6	47.58	14.46	6	5.5	3.5S	ZAMG	3.5
1945	1	19	16	17	45.70	26.60	100		4.3w	Onc	4.3
1945	1	19	23	55	45.70	26.60	100		4.8w	Onc	4.8
1945	2	20	3	42	45.70	26.60	130		5.0w	Onc	5.0
1945	3	12	16	51	45.70	26.60	100		4.5w	Onc	4.5
1945	3	12	20	51	45.60	26.40	125	6	6.1w	Onc	6.1
1945	3	26	16	44	45.70	26.60	100		3.8w	Onc	3.8
1945	4	11	8	8	45.70	26.60	100		4.0w	Onc	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1945	4	11	22	36	45.70	26.60	100		3.8w	Onc	3.8
1945	4	28	2	2	45.70	26.60	100		3.8w	Onc	3.8
1945	4	29	15	12	45.70	26.60	100		3.8w	Onc	3.8
1945	5	10	13	57	64.00	-22.00			4.0L	IMO	4.4
1945	6	12	23	48	45.70	26.60	100		4.1w	Onc	4.1
1945	6	25	16	22	45.70	26.60	100		4.4w	Onc	4.4
1945	6	29	15	37	44.82	9.10		7.5	4.6S	NT4.1	5.1
1945	6	30	14	56	45.70	26.60	100		4.1w	Onc	4.1
1945	8	20	10	34	45.70	26.60	100		4.5w	Onc	4.5
1945	8	26	0	4	45.70	26.60	100		3.7w	Onc	3.7
1945	8	31	3	38	45.70	26.60	100		4.1w	Onc	4.1
1945	9	7	15	48	45.90	26.50	80	7.5	6.8w	Onc	6.8
1945	9	14	17	22	45.70	26.60	100		5.5w	Onc	5.5
1945	10	15	19	15	47.88	-3.08	15	5		LLA	4.0
1945	10	15	21	48	46.97	-2.15	15	5		LLA	4.0
1945	10	23	7	22	45.70	26.60	100		4.9w	Onc	4.9
1945	11	13	12	14	45.70	26.60	100		4.2w	Onc	4.2
1945	11	24	21	18	45.70	26.60	100		3.8w	Onc	3.8
1945	12	9	6	8	45.70	26.80	80	7	6.5w	Onc	6.5
1945	12	15	5	27	44.83	9.12		5.5	4.7S	NT4.1	5.2
1945	12	17	22	36	45.70	26.80	130		5.0w	Onc	5.0
1946	1	25	17	31	46.38	7.52	4	8		SED	5.8
1946	1	26	3	15	46.32	7.52		6.5		SED	4.6
1946	2	4	4	11	46.30	7.52	15	6.5	4.2L	SED	3.8
1946	2	18	23		44.60	9.60		6	4.4S	NT4.1	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1946	5	11	16	25	65.70	-0.90			4.7S	FEN	4.7
1946	5	11	18	39	65.75	-1.00			5.2S	FEN	5.2
1946	5	30	4	41	46.37	7.53	10		4.7L	SED	4.3
1946	7	9	0	42	45.70	26.60	100		4.9w	Onc	4.9
1946	7	12	8	55	45.70	26.60	100		4.3w	Onc	4.3
1946	7	17	16	7	46.10	16.00	30	5	4.1L	ZivC	3.7
1946	7	18	16	15	45.70	26.60	100		3.9w	Onc	3.9
1946	8	18	8	13	45.70	26.60	100		4.2w	Onc	4.2
1946	9	7	23	34	45.70	26.60	100		4.5w	Onc	4.5
1946	10	2	17	50	45.70	26.60	100		4.3w	Onc	4.3
1946	10	3	7	17	45.70	26.60	130	6	5.3w	Onc	5.3
1946	11	3	18	47	45.60	26.30	140	6	6.0w	Onc	6.0
1946	11	15	1	11	45.70	26.60	130		5.1w	Onc	5.1
1946	11	15	4	34	48.32	-3.78	10	5		LLA	3.8
1946	12	1	2	50	45.87	0.12		5		LLA	3.8
1946	12	25	7	22	46.10	12.40		5.5	3.4S	NT4.1	4.4
1946	12	25	17	2	56.95	-4.80	11	5	4.1L	Mus	3.7
1946	12	31	23	30	45.70	26.60	100		4.0w	Onc	4.0
1947	1	8	9	24	45.70	26.60	100		4.9w	Onc	4.9
1947	1	24	2	30	45.70	6.10		5		LLA	3.8
1947	2	8	20	45	62.10	8.20		4	3.9S	FEN	3.9
1947	2	15	17	39	45.70	26.60	100		4.2w	Onc	4.2
1947	2	17	0	12	44.53	7.00	13		4.6S	NT4.1	5.1
1947	3	12	7	20	45.83	15.43	5	6		ZivS	3.6
1947	3	13	14	3	45.70	26.60	130		5.4w	Onc	5.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1947	3	29	7	50	64.00	-19.70			5.3L	IMO	5.5
1947	3	29	7	59	64.00	-19.70			4.0L	IMO	4.4
1947	4	14	21	30	48.25	9.05	8	6		Ley	3.9
1947	5	15	10	59	45.70	26.60	100		4.8w	Onc	4.8
1947	5	19	6	57	64.00	-21.20			4.0L	IMO	4.4
1947	5	19	11	47	64.00	-21.20			4.3L	IMO	4.7
1947	5	25	4	1	64.00	-21.50			4.5L	IMO	4.9
1947	5	27	16	57	45.73	5.78		6		LLA	4.2
1947	5	29	0	21	45.70	26.60	100		4.8w	Onc	4.8
1947	6	28	13	13	48.26	9.05	9	6.5		Ley	4.3
1947	6	28	17	24	66.30	-19.00			4.5L	IMO	4.9
1947	6	28	19	18	66.30	-19.00			4.5L	IMO	4.9
1947	6	28	22	22	66.30	-19.00			4.8L	IMO	5.1
1947	8	12	15	59	64.00	-19.70			4.5L	IMO	4.9
1947	8	16	1	33	45.90	16.60		6	4.3L	ZivC	3.9
1947	8	30	3	54	45.70	26.60	130		5.1w	Onc	5.1
1947	9	22	9	22	47.38	-2.03		5		LLA	3.8
1947	9	30	18	46	64.00	-19.70			4.0L	IMO	4.4
1947	10	17	13	25	45.70	26.60	130		5.8w	Onc	5.8
1947	11	8	14	1	64.00	-19.70			5.0L	IMO	5.3
1947	11	17	21	3	46.37	15.33	16	6		ZivS	4.2
1947	11	22	23	7	45.70	26.60	130		5.2w	Onc	5.2
1947	11	23	11	25	45.70	26.60	100		4.1w	Onc	4.1
1947	11	24	20	35	45.70	26.60	100		4.3w	Onc	4.3
1947	11	27	8	47	64.00	-19.70			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1947	12	21	9	43	49.23	18.76		6	4.3S	Lab	4.3
1947	12	25	20	42	45.70	10.20		6	4.2S	NT4.1	4.9
1948	1	27	3	17	48.26	9.05	12	5.5		Ley	3.7
1948	1	28	2	5	45.70	26.60	130		5.3w	Onc	5.3
1948	3	13	21	6	45.90	26.70	150	5	5.7w	Onc	5.7
1948	3	22	21	39	45.70	26.60	100		4.3w	Onc	4.3
1948	4	18	9	2	45.70	26.60	100		4.8w	Onc	4.8
1948	4	24	12	29	45.90	26.70	150	4.5	5.2w	Onc	5.2
1948	4	29	0	33	45.90	26.70	130	4.5	5.4w	Onc	5.4
1948	5	28	17	2	52.61	0.39	10	4.5	4.0L	Mus	3.6
1948	5	29	4	42	45.70	26.60	100		4.5w	Onc	4.5
1948	5	29	4	48	45.80	26.50	130	6.5	6.3w	Onc	6.3
1948	5	30	4	41	46.37	7.53	10		4.7L	SED	4.3
1948	5	31	19	26	57.95	-5.21	14	4.5	4.4L	Mus	4.0
1948	6	7	7	15	48.97	8.33	6	7		Ley	4.5
1948	6	24	2	6	63.90	-22.10			4.8L	IMO	5.1
1948	6	24	2	11	63.90	-22.10			4.8L	IMO	5.1
1948	6	24	2	15	63.90	-22.10			4.0L	IMO	4.4
1948	6	24	2	17	63.90	-22.10			4.3L	IMO	4.7
1948	7	3	15	45	64.00	-20.50			5.3L	IMO	5.5
1948	7	7	12	41	45.70	26.60	100		4.6w	Onc	4.6
1948	7	17	19	34	45.90	10.40		5	4.7S	NT4.1	5.2
1948	7	21	14	24	64.00	-22.00			4.3L	IMO	4.7
1948	7	23	8	32	62.80	6.30		5	3.9S	FEN	3.9
1948	7	28	16		46.10	15.20		5.5		ZivS	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1948	7	29	8	57	45.70	26.60	130		5.3w	Onc	5.3
1948	8	9	7	45	45.70	26.60	130		5.0w	Onc	5.0
1948	8	20	18	36	45.70	26.60	100		4.7w	Onc	4.7
1948	8	30	1	29	66.50	-17.50			5.3L	IMO	5.5
1948	9	25	7	37	45.78	15.08		6		ZivS	4.0
1948	9	27	20	37	46.30	15.30	16	5		ZivS	3.7
1948	10	12	11	51	46.28	13.07		6	4.4S	NT4.1	5.0
1948	12	22	4	18	45.70	26.60	130		5.2w	Onc	5.2
1949	1	6	19	29	46.12	14.83	11	6		ZivS	4.0
1949	1	20	6	48	44.80	14.90	22	7	5.2L	ZivC	4.8
1949	1	29	22	50	48.92	-1.18		5		LLA	3.8
1949	2	17	4	38	44.32	6.68		5		LLA	3.8
1949	3	6	2	17	47.03	0.73		5		LLA	3.8
1949	3	9	4	16	44.10	11.38		6	4.2S	NT4.1	4.9
1949	3	14	12	45	45.67	15.25	11	6		ZivS	4.0
1949	3	22	18	45	44.45	6.37		6		LLA	4.2
1949	4	3	12	27	50.45	4.05		6	3.9L	ORB	3.6
1949	4	3	12	33	50.45	4.05	3	7	4.5L	ORB	4.1
1949	5	13	7	24	47.08	4.08		5		LLA	3.8
1949	6	10	20	3	46.07	15.47	6	6		ZivS	3.7
1949	6	29	17	28	45.70	26.60	100		4.5w	Onc	4.5
1949	7	7			45.70	26.60	100		4.6w	Onc	4.6
1949	7	14	11	9	44.10	21.00	7	7	4.9L	Zsi	4.5
1949	7	22	12	21	46.08	7.93			4.7L	SED	4.3
1949	9	30	5	57	45.70	26.60	100		4.5w	Onc	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1949	10	10	21	48	45.70	26.60	100		4.3w	Onc	4.3
1949	11	6	7	49	48.26	8.99	9	5.5		Ley	3.6
1949	11	25	3	17	45.70	26.60	130		5.2w	Onc	5.2
1949	12	7	1	43	45.88	13.93	5	6		ZivS	3.6
1949	12	23	19	3	45.70	26.60	100		4.5w	Onc	4.5
1949	12	26	3	36	45.70	26.60	135	5.5	5.7w	Onc	5.7
1950	1	9	19	30	51.10	1.90	7		4.4L	Mus	4.0
1950	1	16	4	25	45.60	26.30	120	5.5	5.7w	Onc	5.7
1950	2	2	5	36	45.70	26.60	100		4.7w	Onc	4.7
1950	2	17	18	4	45.70	26.60	130		5.0w	Onc	5.0
1950	2	20	1	55	46.40	13.10		5.5	3.6S	NT4.1	4.5
1950	3	8	4	27	50.63	6.72	7	7	5.0L	Mei95	4.6
1950	3	20	17	29	45.70	26.60	130		5.0w	Onc	5.0
1950	4	26	18	45	45.70	26.60	100		4.7w	Onc	4.7
1950	4	27	3	34	45.70	26.60	100		4.4w	Onc	4.4
1950	4	30			45.70	26.60	100		5.0w	Onc	5.0
1950	5	6	3	43	44.72	10.70		4	4.1S	NT4.1	4.8
1950	5	10	2	8	48.10	25.60	8	6		KSh	3.5
1950	6	20	1	18	45.90	26.50	160	6	5.9w	Onc	5.9
1950	7	14	6	29	45.70	27.10	100	5	5.5w	Onc	5.5
1950	7	19	5	36	63.80	-20.80			4.8L	IMO	5.1
1950	7	25	7	25	45.70	26.60	130		5.0w	Onc	5.0
1950	8	31	17	22	44.88	17.43	4	8	5.0L	ZivC	4.6
1950	9	8	2	30	60.00	6.00		4.5	3.7S	FEN	3.7
1950	9	10	5	43	46.88	-0.73		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1950	10	18	18	20	47.07	14.71	8	5.5	3.7S	ZAMG	3.7
1950	10	18	21	35	47.07	14.71	8	5.5	3.7S	ZAMG	3.7
1950	10	24	11	48	47.01	14.74	8	6	4.1S	ZAMG	4.1
1950	11	9	8	41	45.70	26.60	100		4.9w	Onc	4.9
1950	11	17	2	6	48.55	-2.00	15	5		LLA	4.0
1951	1	11	1	50	52.80	-5.90	15		4.4L	Mus	4.0
1951	1	23	0	38	45.70	26.60	100		4.4w	Onc	4.4
1951	2	20	1	14	47.97	19.13	17	6.5	5.1L	Zsi	4.7
1951	3	14	9	46	50.63	6.72	9	7.5	5.1w	Kun86	5.1
1951	3	18	11	32	45.80	26.60	150	4.5	5.3w	Onc	5.3
1951	4	1	1	47	45.70	26.60	100		4.3w	Onc	4.3
1951	5	15	22	54	45.30	9.62	12	6.5	4.9S	NT4.1	5.3
1951	6	10	3	29	46.17	12.37		5	3.9S	NT4.1	4.7
1951	6	20	0	23	46.36	7.38	5		3.9L	SED	3.6
1951	7	14	15	44	45.60	15.31			4.1L	ZivC	3.7
1951	8	12	21	19	44.07	10.48		5.5	4.5S	NT4.1	5.1
1951	8	20	19	48	46.27	7.23	10		4.3L	SED	3.9
1951	8	27	13	15	45.70	26.60	100		4.3w	Onc	4.3
1951	9	7	23	6	50.53	5.80	13	6		ORB	4.2
1951	10	3			45.70	26.60	100		4.4w	Onc	4.4
1951	10	18	19	57	48.28	9.02	6	6		Ley	3.8
1951	10	29	22	48	44.48	11.03	15	5	4.1S	NT4.1	4.8
1951	12	4	0	30	45.70	26.60	100		4.7w	Onc	4.7
1951	12	13	16	24	45.70	26.60	100		4.7w	Onc	4.7
1951	12	27	4	5	45.70	26.60	100		4.9w	Onc	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1952	1	16	17	36	45.40	26.90	20		4.2w	Onc	4.2
1952	1	16	23	54	45.40	26.90	20		4.7w	Onc	4.7
1952	1	17	0	5	45.40	26.90	20		4.3w	Onc	4.3
1952	1	18	1	36	46.03	12.55		5	4.3S	NT4.1	4.9
1952	2	1	1	36	45.70	26.60	100		4.6w	Onc	4.6
1952	2	23	21	56	45.80	14.27	19	6		ZivS	4.3
1952	2	24	21	25	49.50	8.32	8	7	4.7L	Ley	4.3
1952	3	12	12	13	63.90	-22.10			5.2L	IMO	5.5
1952	4	28	21	45	60.30	6.40		4	3.7S	FEN	3.7
1952	4	29	16	31	45.70	26.60	100		4.7w	Onc	4.7
1952	5	6	4	7	45.70	26.60	100		4.2w	Onc	4.2
1952	5	9	14	10	47.95	7.07		5		LLA	3.8
1952	5	16	14	32	63.90	-22.10			5.0L	IMO	5.3
1952	6	3	5	53	45.40	27.00	22	5	4.5w	Onc	4.5
1952	6	8	21	26	44.25	5.22		7		LLA	4.7
1952	6	13	21	4	60.50	4.50		4	3.8S	FEN	3.8
1952	7	4	20	35	44.07	11.85	15	5.5	4.4S	NT4.1	5.0
1952	7	14	21	1	45.90	26.70	100		4.7w	Onc	4.7
1952	7	16	3	57	45.60	26.70	135		5.0w	Onc	5.0
1952	7	27	21	34	64.00	-19.00			4.3L	IMO	4.7
1952	7	28	16	17	45.70	26.60	100		3.5w	Onc	3.5
1952	7	28	23	28	45.70	26.60	100		4.4w	Onc	4.4
1952	8	1	20	19	64.00	-19.00			4.5L	IMO	4.9
1952	8	3	16	36	45.60	26.50	150	5	5.5w	Onc	5.5
1952	8	10	21	22	48.92	8.05		5		LLA	3.8
1952	8	13	16	45	45.70	26.60	100		4.7w	Onc	4.7
1952	8	22	2	25	45.00	8.30	25	6	4.2S	NT4.1	4.9
1952	9	29	16	45	48.83	7.97		6.5		LLA	4.4
1952	10	6	22	27	48.95	7.98		5.5		LLA	4.0
1952	10	8	5	17	48.95	7.98	10	7		LLA	4.7
1952	10	19	3	36	64.00	-19.00			4.0L	IMO	4.4
1952	10	19	3	40	64.00	-19.00			4.7L	IMO	5.0
1952	10	21	21	15	50.43	3.87		6		ORB	4.0
1952	10	27	6	11	50.43	3.87		6		ORB	4.0
1952	11	4	22	55	45.70	26.60	100		4.7w	Onc	4.7
1952	11	13	2	39	45.90	27.60	30		4.3w	Onc	4.3
1952	11	13	2	47	45.70	27.60	30		4.2w	Onc	4.2
1952	12	10	23	58	45.70	26.60	100		4.3w	Onc	4.3
1953	1	6	23	58	50.62	4.60		6		ORB	4.0
1953	1	29	20	36	61.10	4.80	31	4.5	4.2S	FEN	4.2
1953	2	10	14	26	66.70	-17.00			4.8L	IMO	5.1
1953	2	13	16	29	44.03	11.52		6	4.4S	NT4.1	5.0
1953	2	22	17	58	45.60	26.70	135		5.2w	Onc	5.2
1953	3	7	20	21	45.70	26.60	100		3.8w	Onc	3.8
1953	3	17	8	36	45.70	26.60	100		4.1w	Onc	4.1
1953	3	21	19	35	45.30	18.20	8	7	4.5L	ZivC	4.1
1953	5	2	12	37	48.08	16.75	7	6	4.1S	ZAMG	4.1
1953	5	2	19	7	45.50	14.50	30		4.5L	ZivC	4.1
1953	5	9	2	59	45.60	26.60	135		5.0w	Onc	5.0
1953	5	17	2	33	45.30	27.30	140	5	5.4w	Onc	5.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1953	5	21	13	5	45.70	26.60	100		4.6w	Onc	4.6
1953	5	23	13	9	46.00	27.40	23		4.0w	Onc	4.0
1953	6	19	6	15	63.00	11.70		4	4.0S	FEN	4.0
1953	6	21	13	5	45.70	26.60	100		4.7w	Onc	4.7
1953	7	3	15	53	45.70	26.60	100		4.6w	Onc	4.6
1953	7	21	0	19	63.90	-22.10			4.0L	IMO	4.4
1953	7	25	1	34	46.48	13.03	7	5	4.1S	NT4.1	4.8
1953	7	30	22		62.10	6.20		4.5	3.9S	FEN	3.9
1953	8	20	13	11	64.10	-21.30			4.1L	IMO	4.5
1953	8	28	0	5	50.62	4.60		6		ORB	4.0
1953	8	28	0	6	50.62	4.60		6		ORB	4.0
1953	8	30	23	35	50.37	5.93		6		ORB	4.0
1953	9	13	9	1	47.03	17.17	6	6.5	4.2L	Zsi	3.8
1953	9	15	23	55	50.45	3.87		7		ORB	4.8
1953	10	1	15	10	45.70	26.60	100		4.2w	Onc	4.2
1953	10	1	18	27	45.97	15.50	3	7	4.9L	ZivS	4.5
1953	10	15	4	43	45.30	27.00	15		4.6w	Onc	4.6
1953	11	4	0	24	71.20	9.00			4.0S	FEN	4.0
1953	11	16	16	37	45.20	20.40		6	4.1L	Zsi	3.7
1953	11	18	4	31	45.79	15.72	8	6	4.2L	ZivC	3.8
1953	12	14	7	11	44.07	12.18	13	6	4.6S	NT4.1	5.1
1954	1	19	3	24	64.50	-17.50			4.0L	IMO	4.4
1954	3	11	11	37	53.92	0.43		5	4.2L	Mus	3.8
1954	3	15	6	57	60.10	6.80		4.5	3.7S	FEN	3.7
1954	4	8	15	36	45.60	26.30	100		4.7w	Onc	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1954	4	9	2	1	59.90	5.90		4.5	3.8S	FEN	3.8
1954	4	13	10	6	45.70	26.80	120	4.5	5.3w	Onc	5.3
1954	4	25	22	17	46.37	12.60	10	6	4.2S	NT4.1	4.9
1954	5	9	9	25	45.60	26.30	150		5.0w	Onc	5.0
1954	5	19	9	34	46.36	7.07	10	6.5	5.3L	SED	4.9
1954	6	4	22	12	45.60	26.34	145		4.0w	Onc	4.0
1954	6	26	8	49	45.70	26.40	190		4.1w	Onc	4.1
1954	7	7	0	25	59.70	4.90	55	5	4.9S	FEN	4.9
1954	7	10	3	12	60.10	6.20		4.5	3.9S	FEN	3.9
1954	7	10	17	18	50.43	3.87		6		ORB	4.0
1954	7	15	8	58	46.42	7.18	21	4.5	4.0L	SED	3.6
1954	7	29	4	42	46.28	7.50	12	5.5	4.5L	SED	4.1
1954	8	5	21	21	45.50	26.30	150		3.8w	Onc	3.8
1954	8	27	12	21	71.10	-14.00			5.2b	NEIC	5.2
1954	9	6	7	23	45.51	26.51	160		4.2w	Onc	4.2
1954	9	15	12	11	63.80	-22.50			4.1L	IMO	4.5
1954	9	15	13	36	63.80	-22.50			4.2L	IMO	4.6
1954	10	1	13	30	45.70	27.10	60	4	5.6w	Onc	5.6
1954	10	5	7	37	45.56	26.61	160		4.3w	Onc	4.3
1954	10	11	16	45	46.30	13.15	30	6	4.4S	NT4.1	5.0
1954	10	21	12	3	45.60	26.60	120		5.0w	Onc	5.0
1954	10	27	1	14	45.70	26.60	100		4.3w	Onc	4.3
1954	10	27	4	42	45.50	26.70	130		4.8w	Onc	4.8
1954	10	29	20	11	64.10	-21.30			4.3L	IMO	4.7
1954	10	29	21	24	64.10	-21.30			4.5L	IMO	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1954	10	29	21	26	64.10	-21.30			4.2L	IMO	4.6
1954	10	30	15	46	64.10	-21.30			4.3L	IMO	4.7
1954	11	2	20	58	46.15	1.52		5		LLA	3.8
1954	11	4	21	9	45.70	26.60	100		3.7w	Onc	3.7
1954	11	9	19	5	45.87	5.83		5.5		LLA	4.0
1954	11	21	23	23	64.10	-21.30			4.5L	IMO	4.9
1954	11	25	14	47	45.71	26.54	180		4.0w	Onc	4.0
1954	12	17	2	7	64.40	-17.70			4.2L	IMO	4.6
1954	12	22	12	35	64.70	-20.20			4.1L	IMO	4.5
1954	12	22	12	52	64.70	-20.20			4.1L	IMO	4.5
1954	12	25	21	46	67.30	14.00		4	3.7S	FEN	3.7
1954	12	27	20	36	45.70	26.60	100		4.2w	Onc	4.2
1955	1	7	8	21	46.00	-1.38	10	5		LLA	3.8
1955	1	15	16	3	63.90	-22.30			4.8L	IMO	5.1
1955	1	15	16	43	63.90	-22.30			5.0L	IMO	5.3
1955	1	16	11	14	45.70	26.60	100		4.1w	Onc	4.1
1955	1	20	19	54	45.70	26.60	100		3.9w	Onc	3.9
1955	2	10	19	30	67.00	11.70			4.2S	FEN	4.2
1955	2	27	7	46	66.20	-16.30			4.3L	IMO	4.7
1955	2	27	8	28	66.20	-16.30			4.1L	IMO	4.5
1955	2	28	3	59	66.20	-16.30			4.3L	IMO	4.7
1955	3	13	2	13	64.20	-20.70			4.3L	IMO	4.7
1955	4	1	17	25	64.10	-21.20			4.3L	IMO	4.7
1955	4	1	18	41	64.10	-21.20			5.5L	IMO	5.7
1955	4	11	15	24	44.12	9.97	8	5.5	4.2S	NT4.1	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1955	4	26	0	10	45.70	26.60	100		3.9w	Onc	3.9
1955	5	1	21	22	45.50	26.30	135	5	5.8w	Onc	5.8
1955	5	12	14	15	44.55	7.17	10	6.5	3.9S	NT4.1	4.7
1955	5	17	8		67.40	11.00			4.3S	FEN	4.3
1955	5	17	18	12	64.30	-17.50			4.4L	IMO	4.8
1955	5	17	18	15	64.30	-17.50			4.3L	IMO	4.7
1955	5	19	3	11	66.50	-17.50			5.0L	IMO	5.3
1955	5	22	4	57	47.30	11.40	3	7	4.6w	Sch	4.6
1955	5	26	6		45.70	26.60	100		4.5w	Onc	4.5
1955	5	28	2	45	45.70	26.60	100		3.8w	Onc	3.8
1955	6	3	11	40	61.90	4.10			5.2S	FEN	5.2
1955	6	7	7	32	64.40	-17.40			4.2L	IMO	4.6
1955	6	13	22	31	45.18	17.70	9	6	4.2L	ZivC	3.8
1955	7	14	21	50	68.00	-19.00			4.5L	IMO	4.9
1955	7	19	7	2	45.70	26.60	100		4.3w	Onc	4.3
1955	7	20	7	46	45.70	26.60	100		4.0w	Onc	4.0
1955	7	23	3	54	46.20	12.72	6	6	4.1S	NT4.1	4.8
1955	9	12	20	32	46.27	1.38	10	5		LLA	3.8
1955	9	14	11	38	45.70	26.60	100		3.8w	Onc	3.8
1955	9	19	6	11	46.15	16.50		6	3.9L	ZivC	3.6
1955	9	19	11	37	45.70	26.60	100		3.7w	Onc	3.7
1955	9	19	13	8	45.70	26.60	100		4.8w	Onc	4.8
1955	9	25	5	32	45.70	26.60	100		3.8w	Onc	3.8
1955	10	2			50.65	5.68		6		ORB	4.0
1955	10	25	3	52	45.70	26.60	100		4.1w	Onc	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1955	10	29	8	13	45.70	26.60	100		3.9w	Onc	3.9
1955	11	1	11	32	62.40	5.60		4	3.8S	FEN	3.8
1955	11	3	14	27	47.42	6.00	10	6		LLA	4.2
1955	11	9	13	25	45.70	26.60	100		4.0w	Onc	4.0
1955	11	14	17	52	45.70	26.40	150		5.0w	Onc	5.0
1955	11	23	6	27	46.13	6.95		4.5	4.5L	SED	4.1
1955	11	23	6	39	47.42	5.98	5	6		LLA	3.8
1955	11	28	16	23	45.70	26.60	100		3.8w	Onc	3.8
1955	12	13	17	4	44.12	10.15		5	4.1S	NT4.1	4.8
1955	12	14	19		45.40	25.20		4.5	4.2w	Onc	4.2
1955	12	24	18	43	45.70	26.60	100		4.0w	Onc	4.0
1955	12	27	8	11	45.70	26.40	150		5.0w	Onc	5.0
1956	1	4	21	29	45.70	26.60	100		3.8w	Onc	3.8
1956	1	12	6	46	47.35	19.09	10	8	5.6L	Zsi	5.2
1956	1	31	2	25	45.55	14.28	7	7	5.1L	ZivS	4.7
1956	2	3	13	42	45.55	14.28	8	6	4.1L	ZivS	3.7
1956	2	7	1	50	45.75	6.42		5		LLA	3.8
1956	2	13	13	26	45.60	26.50	150		4.5w	Onc	4.5
1956	2	15	15	24	65.40	12.40		4.5	4.0S	FEN	4.0
1956	2	16	15	50	45.80	26.60	125		4.5w	Onc	4.5
1956	2	20	1	29	44.57	11.95	13	5.5	4.8S	NT4.1	5.2
1956	3	2	23	0	45.60	26.40	100		4.1w	Onc	4.1
1956	3	8	11	3	45.55	14.28	8	6		ZivS	3.8
1956	3	31	15	7	46.98	17.00	10	6	4.5L	Zsi	4.1
1956	4	18	12	52	46.10	27.40	20	5	4.5w	Onc	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1956	4	21	22	47	50.58	4.63		6		ORB	4.0
1956	4	26	3	0	44.15	11.32	7	6	4.5S	NT4.1	5.1
1956	5	7	3	54	45.70	26.90	100		5.0w	Onc	5.0
1956	5	10	12	30	46.43	12.87		6	4.4S	NT4.1	5.0
1956	5	18	12	52	46.10	27.40	21	5	4.5w	Onc	4.5
1956	6	1	8	32	44.68	7.20	2	6	4.4S	NT4.1	5.0
1956	6	1	10	46	63.90	-22.10			4.7L	IMO	5.0
1956	6	1	12	10	63.90	-22.10			4.1L	IMO	4.5
1956	6	10	13	49	47.07	14.70	8	5.5	3.7S	ZAMG	3.7
1956	6	10	14	5	64.40	-17.80			4.7L	IMO	5.0
1956	6	17	5	34	64.90	-17.60			4.1L	IMO	4.5
1956	7	16	6	53	63.90	-22.20			4.1L	IMO	4.5
1956	8	1	9	40	48.30	9.02	8	6		Ley	3.9
1956	8	16	23	43	45.60	26.10	140		4.7w	Onc	4.7
1956	8	21	17	30	45.70	26.60	100		4.4w	Onc	4.4
1956	9	16	21	7	48.08	7.43		5		LLA	3.8
1956	9	23	7	32	45.56	26.45	150		3.9w	Onc	3.9
1956	9	29	23	1	70.81	10.19			4.0S	FEN	4.0
1956	10	1	23	23	45.41	21.16	5	5.5	3.8w	Onc	3.8
1956	10	29	13	48	66.70	-17.50			4.5L	IMO	4.9
1956	10	29	16	20	66.70	-17.50			4.8L	IMO	5.1
1956	10	29	16	31	66.70	-17.50			4.5L	IMO	4.9
1956	10	29	16	56	66.70	-17.50			4.0L	IMO	4.4
1956	10	30	0	11	66.70	-17.50			5.1L	IMO	5.4
1956	11	4	1	23	45.65	26.85	125		4.6w	Onc	4.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1956	11	5	19	45	46.52	13.03	15	6	4.8S	NT4.1	5.2
1956	11	16	5	57	45.67	5.88		5		LLA	3.8
1956	11	18	16	2	45.80	26.80	150		4.7w	Onc	4.7
1956	11	19	5	49	45.75	26.75	150		4.5w	Onc	4.5
1956	11	29	21	15	45.58	26.55	150		4.1w	Onc	4.1
1956	12	4	6	21	46.80	16.20		6		ZivS	4.0
1956	12	10	23	21	45.70	26.60	100		4.3w	Onc	4.3
1956	12	14	1	12	47.92	20.27	16	5.5	4.5L	Zsi	4.1
1957	1	6	2	13	45.70	26.60	100		4.1w	Onc	4.1
1957	1	8	16	12	50.43	3.80		6		ORB	4.0
1957	1	18	8	6	65.30	11.00		4.5	4.1S	FEN	4.1
1957	2	11	15	43	52.82	-1.33	13	6.5	5.3L	Mus	4.9
1957	2	12	23	59	52.82	-1.33	12	5	4.2L	Mus	3.8
1957	3	2	0	46	45.70	26.60	100		3.9w	Onc	3.9
1957	3	19	19	32	63.80	-22.10			4.0L	IMO	4.4
1957	3	25	7	46	46.05	3.45	5	6		LLA	3.8
1957	4	30	3	10	45.78	5.95		5		LLA	3.8
1957	5	20	0	49	64.40	-17.40			4.2L	IMO	4.6
1957	6	5	21	11	68.90	14.20		4.5	4.0S	FEN	4.0
1957	6	22	9		68.80	14.30	15	5.5	4.5S	FEN	4.5
1957	6	29	23	32	45.68	26.75	130		4.2w	Onc	4.2
1957	7	8	0	45	62.00	4.00	93		4.1S	FEN	4.1
1957	7	9	20	20	68.20	-18.30			4.1L	IMO	4.5
1957	7	9	20	35	68.20	-18.30			4.3L	IMO	4.7
1957	7	9	21	20	68.20	-18.30			4.4L	IMO	4.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1957	7	10	6	5	68.20	-18.30			4.5L	IMO	4.9
1957	8	27	11	54	44.35	11.02	10	6	4.7S	NT4.1	5.2
1957	8	29	3	45	48.23	9.02	9	6		Ley	3.9
1957	9	2	10	25	45.70	26.60	100		3.5w	Onc	3.5
1957	9	22	14	44	45.70	21.10	5	5.5	3.8w	Onc	3.8
1957	9	28	11	37	45.70	26.60	100		4.0w	Onc	4.0
1957	10	22	2	51	47.93	-4.20	15	5		LLA	4.0
1957	10	25	23	2	44.38	10.20	6	5.5	4.2S	NT4.1	4.9
1957	11	17	16	19	57.70	8.90	28		4.1S	FEN	4.1
1957	12	2	4	21	45.80	26.50	140	3	4.7w	Onc	4.7
1957	12	9	8	2	64.80	-17.30			4.6L	IMO	5.0
1957	12	23	23	38	45.40	26.90	20		4.0w	Onc	4.0
1958	1	15	2	58	47.61	15.67	8	5.5	3.7S	ZAMG	3.7
1958	1	15	15	11	46.63	13.69	7	5.5	3.6S	ZAMG	3.6
1958	1	23	13	35	65.20	6.50			5.0S	FEN	5.0
1958	2	9	23	21	53.75	1.01	16		5.1L	Mus	4.7
1958	2	16	9	44	45.80	26.60	100		4.2w	Onc	4.2
1958	2	16	23	1	67.80	-18.40			4.8L	IMO	5.1
1958	3	19	16	3	46.50	14.75	15	6.5		ZivS	4.4
1958	3	20	4	48	45.80	26.60	100		4.1w	Onc	4.1
1958	3	20	14	47	57.20	7.00	67		4.1S	FEN	4.1
1958	3	30	16	10	45.77	5.80	5	6.5		LLA	4.0
1958	4	7	15	24	45.60	26.70	180		3.7w	Onc	3.7
1958	4	26	10	40	48.12	21.98	12	5	3.9L	Zsi	3.6
1958	5	4	10	52	44.50	7.40	15	6	4.0S	NT4.1	4.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1958	5	19	17	25	63.90	-19.00			4.0L	IMO	4.4
1958	5	19	23	16	62.30	6.60	19	5	4.0S	FEN	4.0
1958	5	30	14	45	50.45	4.05		6		ORB	4.0
1958	6	2	16	29	45.70	26.75	115		4.0w	Onc	4.0
1958	6	9	18	47	45.70	26.60	135		4.6w	Onc	4.6
1958	6	25	7	22	45.70	26.80	150	4	5.0w	Onc	5.0
1958	7	10	15	23	58.50	9.50			4.0S	FEN	4.0
1958	7	20	0	25	45.80	26.60	100		4.3w	Onc	4.3
1958	7	20	19	27	46.00	-1.35	20	6		LLA	4.7
1958	7	24	23	3	45.80	26.60	100		4.3w	Onc	4.3
1958	8	1	2	11	45.70	26.60	100		3.8w	Onc	3.8
1958	8	4	10	5	45.70	26.60	100		3.8w	Onc	3.8
1958	8	6	17	16	59.60	5.80	27	5.5	4.6S	FEN	4.6
1958	9	15	16	21	45.70	5.72	5	6		LLA	3.8
1958	9	27	10	41	66.10	-17.80			4.6L	IMO	5.0
1958	9	30	8	45	47.23	10.59	8	6.5	4.5S	ZAMG	4.5
1958	9	30	17	5	47.17	4.07	15	5		LLA	4.0
1958	10	2	14	29	71.45	-2.26			4.6b	NEIC	3.6
1958	10	9	19	5	63.70	-19.00			4.0L	IMO	4.4
1958	11	8	13	42	64.80	-17.40			4.1L	IMO	4.5
1958	11	11	23	7	45.50	27.20	40		4.7w	Onc	4.7
1958	11	20	0	10	61.50	4.80		5	3.7S	FEN	3.7
1958	12	6	11	12	66.40	-18.50			4.8L	IMO	5.1
1958	12	6	15	31	66.40	-18.50			4.3L	IMO	4.7
1958	12	6	15	33	66.40	-18.50			4.7L	IMO	5.0
1958	12	13	9	22	63.70	-19.10			4.3L	IMO	4.7
1958	12	19	0	50	66.20	13.50		5	4.7L	FEN	3.8
1958	12	19	7	56	66.36	13.20			4.7L	FEN	3.8
1959	1	2	6	20	47.93	-4.00	15	7		LLA	4.9
1959	1	26	5	35	44.50	9.50	10	5.5	4.2S	NT4.1	4.9
1959	1	29	23	24	70.90	7.40			5.6S	FEN	5.6
1959	2	2	15	54	64.60	-17.10			4.0L	IMO	4.4
1959	2	10	7	19	47.18	9.40	10		3.9L	SED	3.6
1959	2	11	17	6	70.81	7.98			4.3S	FEN	4.3
1959	2	16	14	14	45.75	26.75	100		4.3w	Onc	4.3
1959	2	17	1	54	48.45	15.56	4	6	3.5S	ZAMG	3.5
1959	2	18	21	56	63.70	-19.10			4.0L	IMO	4.4
1959	2	19	2	13	48.35	-1.72		5		LLA	3.8
1959	2	25	4	41	63.70	-19.10			4.0L	IMO	4.4
1959	2	28	17	35	63.70	-19.10			4.0L	IMO	4.4
1959	3	24	20	11	45.70	26.60	100		4.5w	Onc	4.5
1959	3	29	13	54	45.70	26.60	100		4.2w	Onc	4.2
1959	4	2	8	32	66.10	12.60			4.0S	FEN	4.0
1959	4	5	10	48	44.53	6.82	10	7.5		LLA	4.9
1959	4	16	11	1	45.80	27.40	33		4.1w	Onc	4.1
1959	4	26	14	45	46.45	13.02	6	7.5	4.9S	NT4.1	5.3
1959	4	29	1	35	45.60	26.50	160	4.5	5.1w	Onc	5.1
1959	5	2	6	36	46.38	14.50	7	5.5		ZivS	3.5
1959	5	27	20	38	45.70	21.10	5	7.5	5.0w	Onc	5.0
1959	5	31	12	15	45.80	27.40	60	6	5.0w	Onc	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1959	6	26	13	44	45.80	26.50	135	6	5.3w	Onc	5.3
1959	6	28	3	44	45.66	26.78	120		4.1w	Onc	4.1
1959	6	28	4	23	63.90	-19.20			4.9L	IMO	5.2
1959	6	28	13	6	63.70	-19.10			4.3L	IMO	4.7
1959	6	28	13	11	63.70	-19.10			4.0L	IMO	4.4
1959	6	30	7	24	45.50	26.30	150	5	5.2w	Onc	5.2
1959	7	17	13	16	44.53	6.72		5		LLA	3.8
1959	7	22	3	1	45.80	26.50	150		4.5w	Onc	4.5
1959	8	2	3	33	45.60	26.60	125		4.8w	Onc	4.8
1959	8	5	11	53	45.80	26.60	150		4.7w	Onc	4.7
1959	8	7	11	31	63.00	-25.00			4.0L	IMO	4.4
1959	8	19	15	32	45.90	26.80	150	5	5.5w	Onc	5.5
1959	9	4	8	36	48.35	7.63	10	7		Kun86	4.7
1959	9	16	15	17	45.70	26.60	100		3.8w	Onc	3.8
1959	10	1	16	4	45.90	26.90	80		4.9w	Onc	4.9
1959	10	6	16	48	45.70	26.60	100		4.3w	Onc	4.3
1959	10	12	16	43	46.10	27.40	33		4.1w	Onc	4.1
1959	10	23	3	54	64.60	13.30		4	3.7S	FEN	3.7
1959	11	10	18	2	45.50	26.40	150		5.3w	Onc	5.3
1959	12	2	18	20	44.70	15.40	7	7	4.6L	ZivC	4.2
1959	12	28	10	26	63.70	-23.30			4.4L	IMO	4.8
1960	1	4	12	51	44.60	27.00	40	5.5	5.4w	Onc	5.4
1960	1	5	6	7	45.60	26.50	150		5.0w	Onc	5.0
1960	1	6	15	18	46.48	12.72	4	6.5	4.3S	NT4.1	4.9
1960	1	19	0	5	58.50	6.50	34	4	4.1S	FEN	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1960	1	26	20	27	45.80	26.20	140	5.5	5.7w	Onc	5.7
1960	1	28	14	34	44.55	6.73		5		LLA	3.8
1960	2	2	12	32	67.00	30.90	22	5.5	4.6L	FEN	3.8
1960	2	17	15	32	45.58	14.32	14	6		ZivS	4.1
1960	2	19	2	30	45.92	10.63	15	6	4.4S	NT4.1	5.0
1960	2	21	4	23	64.60	-17.00			4.3L	IMO	4.7
1960	2	21	11	47	45.80	21.00			4.5w	Onc	4.5
1960	2	26	13	33	45.50	26.20	100		4.5w	Onc	4.5
1960	3	10	20	10	45.70	26.60	100		4.5w	Onc	4.5
1960	3	21	18	2	46.00	15.30	10	6		ZivS	3.9
1960	3	23	23	8	46.37	8.15		7	4.7L	SED	4.3
1960	4	5	17	25	65.54	-1.40			4.3S	FEN	4.3
1960	4	6	14	41	45.70	26.60	100		4.1w	Onc	4.1
1960	4	22	17	36	45.70	26.60	100		4.7w	Onc	4.7
1960	4	26	10	59	46.43	7.40	10		4.2L	SED	3.8
1960	4	28	19	47	45.60	26.90	30		4.4w	Onc	4.4
1960	4	30	1	38	44.17	11.75		6	4.4S	NT4.1	5.0
1960	4	30	1	54	45.80	26.80	30		4.1w	Onc	4.1
1960	5	13	3	55	48.43	7.33		5		LLA	3.8
1960	5	14	23	53	64.50	-20.60			4.0L	IMO	4.4
1960	5	18	1	6	45.70	26.60	100		4.0w	Onc	4.0
1960	5	23	1	8	48.40	7.28		5		LLA	3.8
1960	5	25	19	47	66.70	-18.70			4.2L	IMO	4.6
1960	6	19	3	35	47.58	7.38		5		LLA	3.8
1960	6	22	13	58	68.00	-18.50			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1960	6	25	14	29	51.18	5.68	13	5	4.0L	ORB	3.6
1960	7	1	9	5	45.70	26.60	130		4.6w	Onc	4.6
1960	7	4	1	38	45.70	26.60	100		4.3w	Onc	4.3
1960	7	12	0	46	46.12	5.57	15	5		LLA	4.0
1960	7	14	4	18	46.40	13.02		5	4.1S	NT4.1	4.8
1960	8	24	1	41	45.70	26.60	100		4.4w	Onc	4.4
1960	9	2	5	39	45.60	26.50	150		4.8w	Onc	4.8
1960	9	24	4	40	45.70	26.60	130		4.6w	Onc	4.6
1960	9	26	9	46	64.60	-20.20			4.0L	IMO	4.4
1960	10	1	7	47	45.70	26.60	100		4.0w	Onc	4.0
1960	10	13	2	21	45.70	26.40	160	6	5.9w	Onc	5.9
1960	10	13	23	32	45.70	26.60	100		4.2w	Onc	4.2
1960	10	22	19	17	45.60	21.10	12	6	4.2w	Onc	4.2
1960	12	6	1	26	44.63	6.63		5		LLA	3.8
1960	12	6	2	57	45.70	26.60	100		4.4w	Onc	4.4
1961	1	17	1	51	46.03	7.47		5.5	4.4L	SED	4.0
1961	1	21	5	29	67.93	11.67			4.3S	FEN	4.3
1961	2	6	13	56	64.80	11.30			3.7S	FEN	3.7
1961	2	23	4	46	66.90	11.10			4.2S	FEN	4.2
1961	3	2	13	38	45.70	26.60	100		4.3w	Onc	4.3
1961	4	4	22	43	61.80	1.50	83		4.5S	FEN	4.5
1961	4	5	10	16	45.70	26.60	130		4.7w	Onc	4.7
1961	4	28	20	48	47.72	7.88	22	6		Ley	4.2
1961	4	29	9	29	71.40	-7.40	14		5.8b	NEIC	6.0
1961	5	7	15	40	71.60	-6.30	33		5.2b	NEIC	5.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1961	5	8	22	45	44.10	11.93	15	5.5	3.8S	NT4.1	4.6
1961	5	14	15	8	67.70	-18.40			4.0L	IMO	4.4
1961	5	14	15	38	67.70	-18.40			4.5L	IMO	4.9
1961	6	11	17	6	46.00	27.00	150		5.0w	Onc	5.0
1961	6	23	5	37	45.70	26.60	100		3.8w	Onc	3.8
1961	6	29	18	8	45.50	26.60	100		5.1w	Onc	5.1
1961	7	20	12	1	45.70	26.60	100		4.0w	Onc	4.0
1961	7	26	12	1	47.42	13.31	8	5.5	3.8S	ZAMG	3.8
1961	8	3	10	26	44.20	10.20		6	4.4S	NT4.1	5.0
1961	8	4	19	38	45.50	27.00	80		4.7w	Onc	4.7
1961	8	9	13	4	46.60	10.40		5.5	4.2S	NT4.1	4.9
1961	8	25	12	22	47.38	10.56	8	5.5	3.7S	ZAMG	3.7
1961	9	25	0	42	45.50	26.50	160		4.6w	Onc	4.6
1961	10	7	8	50	45.70	26.60	100		3.8w	Onc	3.8
1961	10	26	11	55	65.10	-16.70			4.0L	IMO	4.4
1961	11	17	21	6	45.90	26.80	140		4.7w	Onc	4.7
1961	11	18	3	18	45.50	26.70	100		5.1w	Onc	5.1
1961	11	23	1	12	45.72	9.57		6	4.4S	NT4.1	5.0
1961	11	29	4	15	44.83	15.88	7	6	4.7L	ZivC	4.3
1961	12	16	8	7	45.70	26.60	100		4.2w	Onc	4.2
1962	1	1	18	6	61.80	4.50		3	3.9S	FEN	3.9
1962	1	8	5	5	44.83	15.88	30	5	4.2L	ZivC	3.8
1962	1	23	17	31	44.10	12.80	60		4.7S	NT4.1	5.2
1962	2	2	3	26	46.05	-0.40	15	5		LLA	4.0
1962	2	21	12	43	61.20	3.40	74		4.1S	FEN	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1962	2	27	21	34	45.70	26.40	145		5.2w	Onc	5.2
1962	3	6	20	27	45.70	26.60	100		4.7w	Onc	4.7
1962	3	13	23	50	65.10	-16.70			4.2L	IMO	4.6
1962	3	14	20	54	47.70	-1.97	10	5		LLA	3.8
1962	3	27	19	48	45.70	26.60	100		4.1w	Onc	4.1
1962	3	31	23	36	45.80	26.70	140		4.5w	Onc	4.5
1962	4	12	13	38	45.03	5.57		5		LLA	3.8
1962	4	22	21	58	45.40	26.50	110		4.6w	Onc	4.6
1962	4	25	4	44	45.00	5.57	5	7.5		LLA	4.4
1962	4	27	4	17	45.00	5.57		5		LLA	3.8
1962	5	11	1	5	44.20	11.17	15	6	4.3S	NT4.1	4.9
1962	5	28	16	21	45.00	5.55		5		LLA	3.8
1962	6	7	19	55	45.02	5.57		5		LLA	3.8
1962	6	12	9	46	65.00	-16.60			4.4L	IMO	4.8
1962	7	15	4	36	44.95	5.60		5		LLA	3.8
1962	7	26	22	34	45.30	23.50	16	5	4.0w	Onc	4.0
1962	7	28			47.10	25.60			4.5w	Onc	4.5
1962	8	1	13	55	59.90	6.60		3.5	4.4S	FEN	4.4
1962	8	1	13	58	59.80	6.00			4.2S	FEN	4.2
1962	8	6	4	24	46.20	7.30	10		4.8L	SED	4.4
1962	8	30	7	46	45.50	26.00	108		5.3w	Onc	5.3
1962	9	1	11	53	66.39	8.53			4.0S	FEN	4.0
1962	11	5	11	46	66.58	7.08			4.4S	FEN	4.4
1962	11	9	2	14	45.70	26.70	129	4.5	5.1w	Onc	5.1
1962	12	3	16	58	45.70	26.60	100		4.6w	Onc	4.6
1962	12	14	11	57	44.60	20.40		5	4.0L	Zsi	3.6
1962	12	15	3	49	66.70	13.90		5	4.5L	FEN	3.7
1963	1	14	18	33	45.90	26.70	117	6	5.8w	Onc	5.8
1963	1	14	20	22	46.50	13.58		5.5	4.2S	NT4.1	4.9
1963	2	14	13	18	44.20	15.05	30	6	5.1L	ZivC	4.7
1963	3	22	23	56	46.30	7.45	10		3.9L	SED	3.6
1963	3	23	22	52	67.10	13.80		4	3.8S	FEN	3.8
1963	3	28	0	16	66.30	-19.60			7.0L	IMO	7.0
1963	3	28	0	26	66.30	-20.20			5.4L	IMO	5.6
1963	3	28	0	34	66.30	-19.80			4.0L	IMO	4.4
1963	3	28	0	58	66.30	-19.70			4.0L	IMO	4.4
1963	3	28	1		66.40	-19.60			5.4L	IMO	5.6
1963	3	28	1	29	66.60	-20.00			4.6L	IMO	5.0
1963	3	28	1	44	66.30	-19.60			4.2L	IMO	4.6
1963	3	28	2	40	66.30	-19.60			4.0L	IMO	4.4
1963	4	1	13	10	66.30	-19.80			4.0L	IMO	4.4
1963	4	2	10	3	66.30	-19.60			4.2L	IMO	4.6
1963	4	5	21	40	66.30	-19.60			4.1L	IMO	4.5
1963	4	7	11	16	71.50	-12.90	33		5.0b	NEIC	4.9
1963	4	20	2	45	69.40	16.70		4	3.8S	FEN	3.8
1963	4	25	13	36	44.93	5.67	5	7		LLA	4.2
1963	4	27	3	43	66.40	-19.40			5.1L	IMO	5.4
1963	4	27	5	28	44.93	5.65	5	7		LLA	4.2
1963	4	30	17	30	65.10	-16.10			4.5L	IMO	4.9
1963	5	4	16	48	45.20	23.10		5	4.5w	Onc	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1963	5	19	10	0	46.10	14.80	13	7		ZivS	4.6
1963	6	27	0	11	44.90	6.63		5		LLA	3.8
1963	7	1	10	27	64.70	-20.20			4.6L	IMO	5.0
1963	7	20	15	7	68.80	-4.60	49		4.8b	NEIC	4.2
1963	8	5	5	3	44.93	3.08		5		LLA	3.8
1963	8	9	6	5	44.30	11.98	30	5.5	5.2S	NT4.1	5.5
1963	8	12	15	33	45.70	26.60	100		4.5w	Onc	4.5
1963	9	3	9	12	62.30	-24.70			4.3L	IMO	4.7
1963	9	3	9	21	62.30	-24.70			4.3L	IMO	4.7
1963	9	27	23	51	44.65	6.62		5		LLA	3.8
1963	10	15	9	37	66.90	-18.70			4.3L	IMO	4.7
1963	10	15	10		67.00	-19.30			5.2L	IMO	5.5
1963	10	22	22	14	44.05	6.07		5		LLA	3.8
1963	10	25	4	45	50.77	-0.97	12	5	4.7L	Mus	4.3
1963	11	15	5	15	46.06	14.78		6		ZivS	4.0
1963	12	2	6	49	47.88	16.37	7	6.5	4.5S	ZAMG	4.5
1963	12	4	11	26	45.03	5.58		6		LLA	4.2
1963	12	7	10	39	45.00	5.55		6		LLA	4.2
1963	12	12	13	24	45.05	5.52		6		LLA	4.2
1963	12	14	3	33	64.60	-16.70			4.0L	IMO	4.4
1963	12	23	8	48	46.26	7.43	9	5	4.3L	SED	3.9
1964	1	7	22	10	63.20	-20.80			4.0L	IMO	4.4
1964	1	7	22	31	63.30	-20.60			4.0L	IMO	4.4
1964	1	8	9	39	63.20	-20.80			4.3L	IMO	4.7
1964	1	8	19	44	63.30	-20.80			4.4L	IMO	4.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1964	1	9	0	27	63.20	-20.70			4.0L	IMO	4.4
1964	1	9	4	52	63.30	-20.80			4.4L	IMO	4.8
1964	1	9	10	37	63.40	-20.80			4.0L	IMO	4.4
1964	1	9	16	33	63.20	-20.60			4.5L	IMO	4.9
1964	1	23	11	6	63.30	-20.60			4.0L	IMO	4.4
1964	2	1	2	2	63.30	-20.70			4.3L	IMO	4.7
1964	2	1	7	28	63.40	-20.80			4.1L	IMO	4.5
1964	2	1	8	57	63.40	-20.80			4.2L	IMO	4.6
1964	2	1	14	51	63.40	-20.70			4.2L	IMO	4.6
1964	2	17	12	18	46.92	8.23	10		5.1L	SED	4.7
1964	2	18	21	53	46.86	8.26	10		3.9L	SED	3.6
1964	2	21	5	8	46.86	8.23	10		4.0L	SED	3.6
1964	2	26	22	59	64.50	-17.60			4.2L	IMO	4.6
1964	3	11	19	19	46.90	8.25		5.5	4.2L	SED	3.8
1964	3	14	2	37	46.87	8.28	10		5.2L	SED	4.8
1964	3	16	1	58	61.16	10.50	25	4.5	4.0S	FEN	4.0
1964	3	18	16	43	45.54	14.35	14	6	4.6L	ZivS	4.2
1964	4	13	8	30	45.25	18.20	16	8	5.7L	ZivC	5.4
1964	4	15	22	41	45.30	18.10	8	6	4.1L	ZivC	3.7
1964	5	6	7	10	61.60	4.20			3.5S	FEN	3.5
1964	5	8	21	59	71.10	-6.20	25		4.9b	NEIC	4.6
1964	5	27	19	16	46.84	6.91	10	5	4.2L	SED	3.8
1964	6	6	20	48	46.08	16.87	12	6	4.3L	ZivC	3.9
1964	6	17	13	38	45.90	26.70	145		4.8w	Onc	4.8
1964	7	11	17	44	66.00	-19.80			5.0L	IMO	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1964	7	14	5	34	57.20	7.00	38		4.2S	FEN	4.2
1964	7	26	20	21	46.14	7.83	4	3.5	4.1L	SED	3.7
1964	8	8	13	16	45.40	27.10	33		4.3w	Onc	4.3
1964	8	20	3	56	64.00	-20.40			5.0L	IMO	5.3
1964	8	22	13	17	45.40	27.10	33		3.8w	Onc	3.8
1964	8	29	5	20	71.60	-3.70	33		4.7b	NEIC	3.9
1964	9	5	21	9	44.13	11.20		5	4.6S	NT4.1	5.1
1964	9	20	19		62.00	4.00			4.1S	FEN	4.1
1964	9	23	3	34	48.78	19.70	8	5	3.7S	Lab	3.7
1964	9	30	21	35	49.12	19.36	10	4.5	3.5S	Lab	3.5
1964	10	6	18	24	70.90	-5.70	33		4.8b	NEIC	4.2
1964	10	27	19	46	47.63	15.81	7	6.5	5.3S	ZAMG	5.3
1964	11	13	22	3	45.60	26.50	135		4.8w	Onc	4.8
1964	12	28	11	46	46.30	7.26	10	3.5	4.3L	SED	3.9
1964	12	30	2	9	48.30	17.10	9	4.5	3.5S	Lab	3.5
1964	12	30	3	10	48.33	17.13	7	6	4.2S	Lab	4.2
1965	1	2	18	15	44.88	18.43		5	3.9L	ZivC	3.6
1965	1	4	12		46.38	13.10		5.5	4.2S	NT4.1	4.9
1965	1	10	2	52	45.80	26.60	128	6	5.8w	Onc	5.8
1965	1	23	3	39	44.20	18.00	13	6	4.5L	Zsi	4.1
1965	2	10	4	43	46.80	8.60	10		3.9L	SED	3.6
1965	2	11	12	57	67.50	14.80			3.5S	FEN	3.5
1965	2	22	9	15	45.47	5.40	10		4.1L	SED	3.7
1965	3	4	0	47	47.68	-0.72	25	5.5		LLA	4.6
1965	3	13	20	22	44.07	7.18		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1965	3	15	8	56	44.70	8.70	12	5.5	4.2S	NT4.1	4.9
1965	3	31	8	27	44.81	16.86	15	5	4.0L	ZivC	3.6
1965	4	12	19	14	45.30	26.40	67		4.5w	Onc	4.5
1965	5	11	22	35	45.90	26.90	84		5.0w	Onc	5.0
1965	5	14	17	17	63.30	-20.60			4.3L	IMO	4.7
1965	5	28	3	57	63.50	5.00			4.3S	FEN	4.3
1965	6	20	14	59	63.90	-22.00			4.0L	IMO	4.4
1965	6	29	0	43	47.14	10.00	7		4.0L	SED	3.6
1965	7	8	0	13	71.70	-1.80	33		4.7b	NEIC	3.9
1965	7	8	0	57	45.50	26.40	140		4.5w	Onc	4.5
1965	7	8	23	21	47.27	11.39	6	6	3.5S	ZAMG	3.5
1965	8	19	19	14	46.10	13.10	36	5	5.0S	NT4.1	5.3
1965	8	27	7	26	46.82	8.32	10		3.9L	SED	3.6
1965	9	16	0	40	46.10	27.10	45		4.3w	Onc	4.3
1965	9	19	8	10	47.95	8.27	18	6	4.4L	Ley	4.0
1965	10	1	13	40	46.76	9.15	10		4.0L	SED	3.6
1965	10	13	3	53	71.28	-19.90			4.8b	NEIC	4.2
1965	10	24	6	26	48.22	22.66	2	7		KSh	4.0
1965	10	24	12	16	46.30	7.40		5.5	4.8L	SED	4.4
1965	11	8	18	44	47.95	-2.40	15	5		LLA	4.0
1965	11	9	15	35	44.45	10.30	10	5	4.8S	NT4.1	5.2
1965	11	13	1	7	63.20	-20.90			4.2L	IMO	4.6
1965	11	14	8	20	57.90	8.40		3.5	3.8S	FEN	3.8
1965	11	17	10	47	63.30	-20.70			4.2L	IMO	4.6
1965	11	17	11	43	63.30	-20.70			4.3L	IMO	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1965	11	17	15	45	63.30	-20.70			4.1L	IMO	4.5
1965	11	21	10	27	63.30	-20.80			4.1L	IMO	4.5
1965	11	22	0	2	63.30	-20.80			4.4L	IMO	4.8
1965	12	15	12	7	50.47	4.07	3	7	4.4L	ORB	4.0
1965	12	18	9	22	44.40	12.00	10	5.5	4.9S	NT4.1	5.3
1965	12	21	10	0	50.65	5.53	7	7	4.3L	ORB	3.9
1966	1	16	12	32	50.47	4.23	2	7	4.4L	ORB	4.0
1966	1	18	20	20	46.00	26.80	69	5	5.1w	Onc	5.1
1966	1	19	7	0	45.76	6.63	10		4.6L	SED	4.2
1966	1	23	1	31	45.97	12.50	16	4.5	4.0S	NT4.1	4.8
1966	1	28	17	52	46.60	7.52	10		4.4L	SED	4.0
1966	2	9	23	54	57.80	8.20			3.8S	FEN	3.8
1966	2	13	10	48	71.90	-0.70	33		4.8b	NEIC	4.2
1966	2	24	0	15	63.90	-19.00			4.1L	IMO	4.5
1966	2	24	0	18	63.90	-19.10			4.1L	IMO	4.5
1966	2	24	15	14	64.00	-19.20			4.3L	IMO	4.7
1966	3	6	23	32	64.40	-17.40			4.0L	IMO	4.4
1966	3	16	13	27	46.68	9.85	10		4.2L	SED	3.8
1966	3	20	21	49	71.70	-2.80	33		4.9b	NEIC	4.6
1966	4	7	19	38	44.33	7.47	7	6	3.7S	NT4.1	4.6
1966	4	25	21	16	66.20	-19.70			4.1L	IMO	4.5
1966	5	26	18	7	44.50	11.20		6	4.4S	NT4.1	5.0
1966	6	9	14	17	46.50	7.21	10		4.3L	SED	3.9
1966	6	10	9	12	45.10	25.10	32	4.5	4.6w	Onc	4.6
1966	6	10	9	12	45.10	25.30	49		4.0w	Onc	4.0
1966	6	16	17	5	71.50	-2.80	33		4.7b	NEIC	3.9
1966	6	22	9	9	46.30	7.50	10		3.9L	SED	3.6
1966	6	28	0	1	45.60	26.40	158		4.7w	Onc	4.7
1966	7	23	1	50	50.09	-5.22	18	5.5	4.1L	Mus	3.7
1966	8	2	6	54	57.90	8.30		3.5	3.8S	FEN	3.8
1966	8	24	20	47	44.98	5.70		5		LLA	3.8
1966	8	31	18	15	71.60	-2.70	33		5.0b	NEIC	4.9
1966	9	1	1	38	71.70	-2.80	33		5.0b	NEIC	4.9
1966	9	1	19	18	71.60	-2.90	33		5.0b	NEIC	4.9
1966	9	4	1	29	45.70	26.60	136	4.5	4.8w	Onc	4.8
1966	9	4	8	40	62.80	6.00	30	4	4.3S	FEN	4.3
1966	10	2	11	21	45.70	26.50	140	6	5.9w	Onc	5.9
1966	10	15	6	59	45.60	26.40	140	5	5.1w	Onc	5.1
1966	10	16	2	39	45.80	26.50	129		4.7w	Onc	4.7
1966	10	25	1	11	63.60	-19.20			4.0L	IMO	4.4
1966	11	11	16	16	45.30	16.00	5	6.5	4.6L	ZivC	4.2
1966	12	14	14	49	45.70	26.40	150	5	5.2w	Onc	5.2
1966	12	17	5	59	70.80	-14.00	9		5.1b	NEIC	5.1
1966	12	29	6	30	45.50	26.40	129		4.8w	Onc	4.8
1967	1	5	16	35	46.15	6.76	10		3.9L	SED	3.6
1967	1	29	0	12	47.90	14.30	7	6.5	4.4w	Sch	4.4
1967	2	16	8	15	63.60	-19.20			4.0L	IMO	4.4
1967	2	27	21	0	44.90	26.70	42	5	5.0w	Onc	5.0
1967	3	5	17	22	45.81	26.82	131		4.9w	Onc	4.9
1967	3	7	17	57	63.60	-19.10			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1967	3	11	12	23	63.60	-19.20			4.1L	IMO	4.5
1967	3	24	17	38	46.50	7.45	13	4.5	4.5L	SED	4.1
1967	3	28	15	49	50.47	4.26	3	7	4.5L	ORB	4.1
1967	4	1	12	41	63.60	-19.20			4.3L	IMO	4.7
1967	4	1	15	40	63.60	-19.20			4.0L	IMO	4.4
1967	4	3	16	36	44.80	10.75	15	5.5	4.2S	NT4.1	4.9
1967	4	4	18	6	45.73	26.37	161		5.0w	Onc	5.0
1967	4	25	22	37	63.70	-19.10			4.1L	IMO	4.5
1967	5	15	10	3	44.60	10.40		6	4.4S	NT4.1	5.0
1967	5	16	16	11	63.70	-19.20			4.1L	IMO	4.5
1967	5	26	17	33	45.39	26.13	162		4.8w	Onc	4.8
1967	6	7	2	57	63.70	-19.00			4.5L	IMO	4.9
1967	6	17	17	45	48.58	17.38	8	5	3.7S	Lab	3.7
1967	6	17	20	22	46.40	7.40	10		4.0L	SED	3.6
1967	6	30	0	13	70.40	-15.30	33		4.6b	NEIC	3.6
1967	7	3	3	53	44.00	19.00	6	7	5.0L	Zsi	4.6
1967	7	11	12	41	44.50	17.29	30	6	4.5L	ZivC	4.1
1967	7	25	12	33	45.80	26.50	146		4.7w	Onc	4.7
1967	7	26	22		66.50	-17.90			4.2L	IMO	4.6
1967	7	27	5	18	64.00	-20.80			4.8L	IMO	5.1
1967	7	28	2	47	66.50	-18.00			4.3L	IMO	4.7
1967	7	28	15	35	64.20	-20.80			4.9L	IMO	5.2
1967	7	29	2	21	64.00	-20.80			4.5L	IMO	4.9
1967	7	30	12	47	64.20	-20.70			4.1L	IMO	4.5
1967	8	2	11	6	71.20	-8.00	33		5.0b	NEIC	4.9
1967	8	2	14	6	71.20	-8.50	33		5.3b	NEIC	5.4
1967	8	14	10	16	46.90	10.41	9		4.5L	SED	4.1
1967	8	18	12	3	46.80	9.80	10		3.9L	SED	3.6
1967	8	21	13	42	57.30	4.70			4.0S	FEN	4.0
1967	8	28	10	31	63.70	-19.20			4.1L	IMO	4.5
1967	9	11	22	54	63.70	-22.90			4.0L	IMO	4.4
1967	9	16	6	53	47.83	11.10		5.5		Ley	3.6
1967	9	16	20	19	48.44	17.07	10	4.5	3.5S	Lab	3.5
1967	9	20	6	9	44.70	17.20		6	4.2L	ZivC	3.8
1967	9	20	22	44	48.39	17.19	13	5	3.9S	Lab	3.9
1967	9	28	23	54	63.90	-22.30			4.1L	IMO	4.5
1967	9	29	10	57	63.90	-22.20			4.1L	IMO	4.5
1967	9	30	2	34	63.80	-22.50			4.6L	IMO	5.0
1967	9	30	4	19	63.80	-22.50			4.3L	IMO	4.7
1967	9	30	4	30	63.80	-22.50			4.4L	IMO	4.8
1967	9	30	4	46	63.80	-22.40			4.0L	IMO	4.4
1967	10	1	22	45	44.57	10.95	50	5	4.0S	NT4.1	4.8
1967	10	4	15	43	63.60	-19.10			4.0L	IMO	4.4
1967	10	4	18	58	63.60	-19.10			4.0L	IMO	4.4
1967	10	4	21	47	63.70	-19.10			4.4L	IMO	4.8
1967	10	5	4	29	63.70	-19.10			4.0L	IMO	4.4
1967	10	6	17	45	63.70	-19.20			4.2L	IMO	4.6
1967	10	9	10	3	46.54	7.40	10		4.1L	SED	3.7
1967	10	14	6	34	46.54	7.40			4.0L	SED	3.6
1967	10	15	6	40	47.77	-2.65	15	5		LLA	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1967	10	27	7	59	45.80	26.70	IM		4.5w	Onc	4.5
1967	12	3	22	10	48.57	17.39	4	6.5	4.3S	Lab	4.3
1967	12	6	4	15	44.00	7.23		5		LLA	3.8
1967	12	24	4	22	71.90	-0.90	33		5.0b	NEIC	4.9
1967	12	30	4	19	44.67	11.83	35	6	5.3S	NT4.1	5.5
1968	1	6	10	23	45.80	26.60	163	5	5.0w	Onc	5.0
1968	1	11	17	8	44.40	12.00		5	4.3S	NT4.1	4.9
1968	1	28	2	10	46.11	7.22	10		3.9L	SED	3.6
1968	2	5	2	28	46.30	5.40	10		4.1L	SED	3.7
1968	2	9	13	22	45.60	26.40	122		5.0w	Onc	5.0
1968	2	24	13	23	45.80	26.60	134		3.6w	Onc	3.6
1968	3	7	7	21	71.70	-3.10	26		4.6b	NEIC	3.6
1968	3	7	7	27	71.60	-3.50	33		4.9b	NEIC	4.6
1968	3	8	4	1	47.30	5.05	10		4.1L	SED	3.7
1968	4	18	19	38	44.08	8.02	7	5	4.1S	NT4.1	4.8
1968	4	29	21	59	57.90	8.30	38	4	4.1S	FEN	4.1
1968	5	30	18	16	44.96	17.16		6	4.3L	ZivC	3.9
1968	6	7	9	34	44.10	10.20	19		4.3S	NT4.1	4.9
1968	6	13	3	58	71.17	-5.57	33		4.6b	NEIC	3.6
1968	6	18	5	27	45.60	7.75	1	6	5.0S	NT4.1	5.3
1968	6	22	12	21	45.80	11.30	37	6	4.3S	NT4.1	4.9
1968	6	27	15	43	46.28	6.75		6.5		LLA	4.4
1968	6	27	15	55	46.30	6.80			4.0L	SED	3.6
1968	7	8	5	45	46.11	7.60	33		4.1L	SED	3.7
1968	7	22	4	53	63.50	-23.20			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1968	7	22	5	29	63.50	-23.20			4.2L	IMO	4.6
1968	7	30	2	25	66.40	-17.40			4.6L	IMO	5.0
1968	7	30	20	29	64.40	-17.20			4.2L	IMO	4.6
1968	8	13	16	57	50.47	4.13	3	7	4.1L	ORB	3.7
1968	8	14	15	47	45.71	26.50	128		4.8w	Onc	4.8
1968	8	16	21	33	46.30	14.10	14	6		ZivS	4.1
1968	8	19	0	36	46.30	6.77		7		LLA	4.7
1968	9	7	13	36	62.30	5.40		4.5	3.8S	FEN	3.8
1968	9	7	16	49	44.23	8.20	6	6	4.4S	NT4.1	5.0
1968	9	21	11	5	45.70	26.59	128		4.7w	Onc	4.7
1968	10	20	23	15	45.73	26.57	123		5.0w	Onc	5.0
1968	11	8	15	18	64.50	-18.00			4.0L	IMO	4.4
1968	11	9	16	11	64.50	-17.80			4.6L	IMO	5.0
1968	11	9	19	20	64.10	-21.20			4.7L	IMO	5.0
1968	11	20	1	51	45.72	26.80	110		4.7w	Onc	4.7
1968	11	21	22	50	46.10	6.00		5	4.1L	SED	3.7
1968	11	26	9	53	45.71	27.85	46		4.7w	Onc	4.7
1968	11	27	2	3	46.23	6.70		5		LLA	3.8
1968	12	3	20	57	44.68	18.60	7	6.5	4.6L	ZivC	4.2
1968	12	5	9	44	63.90	-21.70			5.4L	IMO	5.6
1969	1	6	22	3	44.07	10.73	8	6	4.0S	NT4.1	4.8
1969	1	10	16	17	44.38	12.00	20	5.5	4.0S	NT4.1	4.8
1969	1	15	8	46	45.56	26.42	135		5.0w	Onc	5.0
1969	2	10	0	8	47.45	18.10	20	5	4.6L	Zsi	4.2
1969	2	15	8	54	44.08	11.28	30	4	4.3S	NT4.1	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1969	2	26	1	28	48.29	9.01	8	7	4.4w	Kun86	4.4
1969	3	5	22	41	71.12	-5.64	33		4.8b	NEIC	4.2
1969	4	1	4	11	66.70	-18.20			4.7L	IMO	5.0
1969	4	3	16	52	66.50	-17.70			4.1L	IMO	4.5
1969	4	12	20	38	45.25	25.02	8	6	5.2w	Onc	5.2
1969	5	5	21	47	66.50	-17.60			5.0L	IMO	5.3
1969	5	6	23	56	66.50	-17.40			4.0L	IMO	4.4
1969	5	15	18	28	63.70	-23.00			4.0L	IMO	4.4
1969	6	1	23	20	46.98	14.22	8	5.5	4.4S	ZAMG	4.4
1969	7	27	9	1	45.65	26.44	163		4.8w	Onc	4.8
1969	8	26	22	41	66.50	-17.50			4.5L	IMO	4.9
1969	8	26	22	47	66.50	-17.50			4.9L	IMO	5.2
1969	8	26	23	49	66.50	-17.50			4.5L	IMO	4.9
1969	8	27	12	12	66.50	-17.50			4.3L	IMO	4.7
1969	9	9	6	32	63.80	-22.80			4.0L	IMO	4.4
1969	9	10	3	26	46.10	7.90		4	3.9L	SED	3.6
1969	9	29	10	28	65.10	6.50			5.0S	FEN	5.0
1969	10	9	3	31	45.08	7.37	10	6	4.1S	NT4.1	4.8
1969	10	26	15	36	44.79	17.29	24	7.5	5.6L	ZivC	5.2
1969	10	27	2	55	44.90	17.10	18	5.5	4.5L	ZivC	4.1
1969	10	27	8	10	44.79	17.20	18	8.5	6.4L	ZivC	6.1
1969	10	27	8	53	44.90	17.10	20	5	4.7L	ZivC	4.3
1969	11	3	1	55	44.76	17.20		6	4.0L	ZivC	3.6
1969	11	3	14	33	44.76	17.20		5	3.9L	ZivC	3.6
1969	11	22	7	49	44.38	6.63		5		LLA	3.8
1969	12	18	19	0	71.67	-2.70	33		4.6b	NEIC	3.6
1969	12	21	19	6	45.56	26.93	34		4.6w	Onc	4.6
1969	12	31	13	18	44.88	17.21	12	7	5.0L	ZivC	4.6
1970	1	2	7	31	45.46	26.31	134		3.6w	Onc	3.6
1970	1	2	19	45	44.86	17.46	23	4.5	4.1L	ZivC	3.7
1970	1	22	15	25	48.28	9.03	8	7	4.9w	Kun86	4.9
1970	2	4	8	38	63.50	-23.50			4.1L	IMO	4.5
1970	2	8	11	17	64.80	-17.20			4.2L	IMO	4.6
1970	2	22	23	41	71.12	-8.63	33		5.4S	NEIC	5.4
1970	3	5	4	56	53.92	-19.71	33		4.6b	NEIC	3.6
1970	3	7	8	1	46.20	6.90			4.2L	SED	3.8
1970	3	24	11	15	63.60	-23.50			4.1L	IMO	4.5
1970	3	25	11	18	66.30	-19.30			4.2L	IMO	4.6
1970	4	10	20	19	48.32	9.05	2	5.5	3.9L	Ley	3.6
1970	4	19	18	16	45.65	10.45	6	6	3.7S	NT4.1	4.6
1970	4	25	4	24	44.75	17.25	8	6	4.1L	ZivC	3.7
1970	5	3	4	17	44.63	10.38	5	6	4.2S	NT4.1	4.9
1970	5	5	12	49	44.35	10.85	10	6	4.4S	NT4.1	5.0
1970	5	10	1	49	47.30	9.70		5.5		SED	3.8
1970	5	11	3	50	64.00	-19.80			4.1L	IMO	4.5
1970	5	11	5	52	44.86	17.39	10	6	4.0L	ZivC	3.6
1970	5	14	8	37	64.00	-19.80			4.0L	IMO	4.4
1970	5	17	18	31	64.00	-19.80			4.0L	IMO	4.4
1970	5	31	8	11	48.32	9.05	2	5	4.0L	Ley	3.6
1970	6	5	12	0	45.65	26.62	129		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1970	6	30	3	37	68.00	-18.70			4.4L	IMO	4.8
1970	7	9	21	8	45.71	26.47	143		3.8w	Onc	3.8
1970	7	10	14	18	47.70	25.60	33	7	4.7w	Onc	4.7
1970	8	2	8	14	64.00	-19.10			4.0L	IMO	4.4
1970	8	4	21	7	45.85	25.40	33		4.0w	Onc	4.0
1970	8	8	4	27	44.70	12.80	27		4.0S	NT4.1	4.8
1970	8	9	20	9	54.50	-2.47	20	5	4.1L	Mus	3.7
1970	8	21	19	38	44.71	17.29	6	6	3.9L	ZivC	3.6
1970	9	7	20	58	44.00	16.20	10	7.5	5.3L	ZivC	4.9
1970	9	18	2	6	71.16	-7.69	33		5.3S	NEIC	5.3
1970	9	26	16	42	44.10	12.30		6	3.6S	NT4.1	4.5
1970	10	1	7	44	44.76	17.26		6	4.1L	ZivC	3.7
1970	10	20	13	45	44.70	17.20			4.0L	ZivC	3.6
1970	10	20	20	19	44.70	17.30	20	6	4.8L	ZivC	4.4
1970	11	3	8	45	50.40	4.37	3	7	3.9L	ORB	3.6
1970	11	6	7	15	63.60	-23.00			4.3L	IMO	4.7
1970	11	6	7	19	63.70	-23.20			4.2L	IMO	4.6
1970	11	6	7	30	63.50	-23.40			4.2L	IMO	4.6
1970	11	6	11	25	63.70	-22.80			4.3L	IMO	4.7
1970	11	6	11	49	63.80	-23.10			4.2L	IMO	4.6
1970	11	24	17	20	71.82	-2.54	33		4.6b	NEIC	3.6
1970	12	19	2	59	46.50	16.30	10	6	3.9L	ZivC	3.6
1970	12	31	22	4	44.22	8.33	2	6	4.2S	NT4.1	4.9
1971	1	14	9	30	62.10	5.30	19	5	4.0S	FEN	4.0
1971	1	15	2	55	48.30	8.95	8	5	4.1L	Ley	3.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1971	2	1	12	26	44.50	7.20	5	6	4.3S	NT4.1	4.9
1971	2	12	8	48	44.16	16.98	6	7	4.4L	Zsi	4.0
1971	2	18	23	41	51.05	5.95	20	4.5	4.4L	Hou	4.0
1971	3	12	12	45	47.60	24.00	14	5	3.5w	Onc	3.5
1971	3	23	9	26	70.99	-7.03	33		6.3S	NEIC	6.3
1971	4	22	22	37	71.62	-3.22	33		4.7b	NEIC	3.9
1971	4	25	13	34	68.20	-17.90			4.2L	IMO	4.6
1971	4	25	17	48	68.20	-18.10			5.0L	IMO	5.3
1971	5	13	18	35	63.60	-23.90			4.3L	IMO	4.7
1971	5	13	20	8	63.60	-23.90			4.3L	IMO	4.7
1971	5	19	17	30	48.30	9.10	17		3.9L	SED	3.6
1971	6	6	21	59	44.67	6.68	5	5.5		LLA	3.6
1971	6	8	2	22	48.35	8.93	6	6	4.2L	Ley	3.8
1971	6	21	7	25	46.37	5.72		7		LLA	4.7
1971	7	1	16	42	47.10	17.90			4.0L	Zsi	3.6
1971	7	15	1	33	44.78	10.38	12	7.5	5.4S	NT4.1	5.4
1971	7	18	16	18	45.71	26.31	137		3.8w	Onc	3.8
1971	8	8	3	51	59.20	6.30		4	3.7S	FEN	3.7
1971	8	15	0	36	44.85	6.77		5		LLA	3.8
1971	8	20	19	6	61.70	4.70	27	5	4.5S	FEN	4.5
1971	8	29	10	56	68.00	-18.50			4.5L	IMO	4.9
1971	9	25	10	34	44.23	8.68	5	6	3.9S	NT4.1	4.7
1971	9	29	7	18	47.10	9.00	10	7	4.3w	Sch	4.3
1971	11	10	14	25	63.90	-22.10			4.0L	IMO	4.4
1971	11	10	15	8	63.90	-22.10			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1971	11	10	18	28	63.90	-22.20			4.2L	IMO	4.6
1971	11	17	12	22	69.07	-16.26	33		4.7b	NEIC	3.9
1971	11	19	1	20	63.80	-22.80			4.3L	IMO	4.7
1971	11	19	1	23	63.80	-22.80			4.3L	IMO	4.7
1971	11	19	2	57	63.80	-23.00			4.5L	IMO	4.9
1971	11	19	3		63.70	-23.00			4.2L	IMO	4.6
1971	11	19	3	3	48.23	9.58	10	5	3.9L	Ley	3.6
1971	11	19	3	16	63.70	-22.80			4.1L	IMO	4.5
1971	11	19	4	34	63.80	-22.80			4.3L	IMO	4.7
1971	11	19	4	48	63.80	-22.90			4.1L	IMO	4.5
1971	11	19	5	57	63.80	-22.80			4.3L	IMO	4.7
1971	12	31	9	8	47.60	16.05	11	5	3.6S	ZAMG	3.6
1972	1	1	13	1	63.90	-22.40			4.3L	IMO	4.7
1972	1	1	13	5	63.80	-22.40			4.2L	IMO	4.6
1972	1	1	14	8	63.90	-22.40			4.2L	IMO	4.6
1972	1	1	14	41	64.00	-22.40			4.1L	IMO	4.5
1972	1	4	17	13	65.90	-16.90			4.1L	IMO	4.5
1972	1	5	4	58	47.82	16.24	9	6	4.1S	ZAMG	4.1
1972	1	18	23	26	44.13	8.27		6	4.0S	NT4.1	4.8
1972	3	3	21	27	44.59	18.54	9	7	4.6L	ZivC	4.2
1972	3	4	19	12	71.33	-5.28	33		4.8S	NEIC	4.8
1972	3	7	6	52	53.70	-2.03	6	5.5	4.0L	Mus	3.6
1972	3	22	16	33	70.97	-6.81	33		5.3b	NEIC	5.4
1972	4	7	20	20	62.20	5.60	15	5.5	4.2S	FEN	4.2
1972	4	16	0	3	45.53	26.44	136		3.8w	Onc	3.8
1972	4	16	10	10	47.71	16.18	10	7.5	5.3S	ZAMG	5.3
1972	4	16	11	5	47.71	16.18	7	6.5	4.0S	ZAMG	4.0
1972	4	21	13	33	62.90	2.50			4.1S	FEN	4.1
1972	4	22	10	18	47.00	13.10	21	4	3.6S	ZAMG	3.6
1972	5	18	8	11	48.28	9.03	8	7	4.8L	Ley	4.4
1972	5	26	12	23	65.00	-20.70			4.0L	IMO	4.4
1972	6	17	9	3	48.36	14.53	4	6.5	3.6S	ZAMG	3.6
1972	6	19	4	9	44.42	6.27		5		LLA	3.8
1972	6	23	4	18	66.00	-17.30			4.3L	IMO	4.7
1972	6	25	17	10	44.60	10.20	10	6	3.6S	NT4.1	4.5
1972	8	23	18	0	45.85	26.77	82		4.0w	Onc	4.0
1972	9	7	22	26	45.92	-1.22	15	7		LLA	4.9
1972	9	8	1	51	45.95	-1.30	15	5		LLA	4.0
1972	9	8	11	34	71.59	-10.03	33		5.9S	NEIC	5.9
1972	9	9	2	48	45.95	-1.30	15	5		LLA	4.0
1972	9	11	7	48	46.08	-1.28		5		LLA	3.8
1972	10	1	0	56	45.80	26.18	155		3.8w	Onc	3.8
1972	10	7	8	32	44.59	18.66	16	5	3.9L	ZivC	3.6
1972	10	25	18	25	70.92	-7.01	33		5.1S	NEIC	5.1
1972	10	25	21	56	44.42	9.92	45	5	4.7S	NT4.1	5.2
1972	11	14	4	31	71.05	-7.91	33		5.1S	NEIC	5.1
1972	11	25	1	19	64.60	-20.90			4.0L	IMO	4.4
1972	11	30	11	25	44.00	13.20			4.4S	NT4.1	5.0
1972	12	25	12	53	45.80	26.73	132		3.5w	Onc	3.5
1973	1	2	23	20	71.33	-7.55	33		4.7b	NEIC	3.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1973	1	4	8	3	71.11	-7.67	33		5.1b	NEIC	5.1
1973	1	5	12	37	45.56	26.59	131		3.6w	Onc	3.6
1973	1	6	2	6	46.00	-1.37	15	5		LLA	4.0
1973	4	1	8	51	68.20	-18.80			4.1L	IMO	4.5
1973	5	6	22	36	63.70	-22.60			4.0L	IMO	4.4
1973	5	15	22	51	47.10	12.95	18	5	4.1S	ZAMG	4.1
1973	6	5	13	48	44.52	9.57		4	4.4S	NT4.1	5.0
1973	6	11	3	15	46.15	15.96	14	6.5	4.0L	ZivC	3.6
1973	6	12	21	3	47.54	15.51	8	6	4.0S	ZAMG	4.0
1973	8	20	15	18	45.74	26.48	73	6	6.0w	Onc	6.0
1973	9	7	19	37	45.79	26.48	140		3.8w	Onc	3.8
1973	9	10	16	22	66.00	-17.40			4.0L	IMO	4.4
1973	9	15	1	46	63.90	-22.20			5.5L	IMO	5.7
1973	9	15	2	22	63.90	-22.20			4.9L	IMO	5.2
1973	9	16	3	8	63.90	-22.30			4.4L	IMO	4.8
1973	9	16	3	13	63.80	-21.80			4.1L	IMO	4.5
1973	9	16	3	15	63.80	-21.80			4.0L	IMO	4.4
1973	9	16	4	53	63.90	-22.30			4.1L	IMO	4.5
1973	9	16	4	54	63.90	-22.30			4.0L	IMO	4.4
1973	9	16	4	55	63.90	-22.30			4.0L	IMO	4.4
1973	9	16	4	56	63.90	-22.30			4.1L	IMO	4.5
1973	9	16	21	26	63.90	-22.30			5.3L	IMO	5.6
1973	9	16	21	39	63.90	-22.30			4.1L	IMO	4.5
1973	9	16	21	54	63.90	-22.50			4.2L	IMO	4.6
1973	9	16	22	23	63.90	-22.30			4.5L	IMO	4.9
1973	9	17	1	14	63.90	-22.40			4.1L	IMO	4.5
1973	9	21	2	38	44.13	17.03	8	5	4.4L	Zsi	4.0
1973	9	27	12	29	71.54	-12.10	33		5.6S	NEIC	5.6
1973	10	23	10	50	45.69	26.50	174		4.3w	Onc	4.3
1973	10	28	3	56	48.35	17.07	5	5	3.5S	Lab	3.5
1973	10	28	10	2	67.00	-18.90			4.3L	IMO	4.7
1973	10	28	10	43	66.90	-19.90			4.1L	IMO	4.5
1973	10	28	10	49	67.00	-19.60			4.4L	IMO	4.8
1973	10	28	10	53	66.90	-19.80			4.0L	IMO	4.4
1973	10	28	11	12	66.90	-19.70			4.4L	IMO	4.8
1973	10	28	11	15	66.80	-19.90			4.1L	IMO	4.5
1973	10	28	11	26	66.90	-19.70			4.1L	IMO	4.5
1973	10	28	11	32	66.80	-19.70			4.6L	IMO	5.0
1973	10	28	11	48	66.80	-19.80			4.5L	IMO	4.9
1973	10	28	12	2	66.80	-19.90			4.2L	IMO	4.6
1973	10	28	14	26	67.00	-19.70			4.6L	IMO	5.0
1973	10	29	8	42	66.80	-19.10			4.0L	IMO	4.4
1973	10	29	9	22	66.90	-19.00			4.1L	IMO	4.5
1973	10	29	14	2	66.90	-19.00			4.2L	IMO	4.6
1973	10	29	19	14	66.70	-19.20			4.1L	IMO	4.5
1973	11	4	16	14	45.97	9.30			3.6S	NT4.1	4.5
1973	11	10	3	1	44.00	13.20			4.2S	NT4.1	4.9
1973	12	12	0	3	47.05	14.09	13	6	4.5S	ZAMG	4.5
1973	12	21	8	17	46.12	14.17	11	6		ZivS	4.0
1974	1	15	19	47	64.50	-17.80			4.6L	IMO	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1974	1	28	19	57	44.08	10.88	5	6	3.2S	NT4.1	4.3
1974	2	8	20	12	44.15	6.48	10	5		LLA	3.8
1974	2	25	18	10	51.64	-3.05			3.9L	Mus	3.6
1974	2	25	20	3	51.64	-3.12		5	4.1L	Mus	3.7
1974	3	22	19	10	70.85	-14.37	20		5.1b	NEIC	5.1
1974	3	30	18	41	63.80	-23.20			4.4L	IMO	4.8
1974	3	30	19	9	63.60	-23.60			4.3L	IMO	4.7
1974	3	30	20	16	63.50	-23.50			4.4L	IMO	4.8
1974	4	15	21	49	44.65	9.68		5.5	4.1S	NT4.1	4.8
1974	4	17	1	31	46.00	21.10	33		4.9w	Onc	4.9
1974	4	18	2	24	44.52	2.42	10	5		LLA	3.8
1974	4	26	9	57	70.24	16.42			4.0S	FEN	4.0
1974	4	28	12	53	68.80	16.20		5	4.3S	FEN	4.3
1974	5	6	7	50	46.30	13.40	54	4.5	4.8S	NT4.1	5.2
1974	5	11	9	17	64.80	-21.00			4.6L	IMO	5.0
1974	5	11	14	46	64.80	-21.30			4.5L	IMO	4.9
1974	5	17	14	27	64.60	-21.20			5.0L	IMO	5.3
1974	5	18	23	39	64.70	-21.20			4.7L	IMO	5.0
1974	5	25	20	13	71.11	-20.85			4.6b	NEIC	3.6
1974	5	31	12	29	64.80	-20.90			4.4L	IMO	4.8
1974	6	12	16	8	64.80	-21.00			4.9L	IMO	5.2
1974	6	12	17	55	64.80	-21.20			5.5L	IMO	5.7
1974	6	13	13	40	64.90	-21.20			4.3L	IMO	4.7
1974	6	20	10	28	44.34	17.82		7	4.8L	Zsi	4.4
1974	6	20	17	8	46.17	15.43	8	6		ZivS	3.8
1974	6	20	17	8	46.20	15.46	15	7.3		ZivS	4.8
1974	6	20	22	26	46.09	15.43	7	6.5		ZivS	4.0
1974	6	25	22	23	64.70	-17.40			5.1L	IMO	5.4
1974	6	30	19	5	44.10	10.70		4.5	4.0S	NT4.1	4.8
1974	7	1	1	26	49.42	6.03			4.3L	SED	3.9
1974	7	11	17	56	71.57	-4.13	33		5.0b	NEIC	4.9
1974	7	17	5	9	45.75	26.53	145	5.5	4.6w	Onc	4.6
1974	8	6	8	7	57.20	-5.40		5	4.0L	Mus	3.6
1974	8	7	20	38	44.43	6.38		5		LLA	3.8
1974	8	10	12	49	57.19	-5.35	22	5	4.4L	Mus	4.0
1974	10	10	4	3	47.45	12.70	11	5	3.7S	ZAMG	3.7
1974	10	16	3	42	48.32	9.02	10	6	4.2L	Ley	3.8
1974	10	29	1	5	44.58	18.46	10	8	5.0L	ZivC	4.6
1974	10	31	23	23	44.50	18.30			4.0L	Zsi	3.6
1974	11	12	2	58	48.23	6.53		5		LLA	3.8
1974	12	8	0	26	63.60	-23.20			4.2L	IMO	4.6
1974	12	8	0	36	63.70	-23.10			4.3L	IMO	4.7
1974	12	8	1	26	63.70	-22.90			4.2L	IMO	4.6
1974	12	8	1	46	63.90	-22.80			4.1L	IMO	4.5
1974	12	8	3	56	63.80	-22.50			4.3L	IMO	4.7
1974	12	8	6	47	63.80	-22.70			4.2L	IMO	4.6
1974	12	8	7	5	64.00	-22.70			4.2L	IMO	4.6
1974	12	15	20	57	46.00	12.40		4.5	3.6S	NT4.1	4.5
1974	12	18	20	12	67.85	10.50			4.1S	FEN	4.1
1974	12	29	3	50	64.60	-17.60			5.1L	IMO	5.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1975	1	11	15	54	45.60	10.72		5.5	3.8S	NT4.1	4.6
1975	1	20	10	47	71.70	14.21			4.2S	FEN	4.2
1975	2	17	14	25	44.90	17.10	5	6	4.0L	ZivC	3.6
1975	2	19	17	49	44.38	4.60		6		LLA	4.2
1975	3	7	4	13	45.86	26.63	21		4.5w	Onc	4.5
1975	3	11	23	42	66.30	-18.60			4.5L	IMO	4.9
1975	3	12	12	38	45.72	-15.03			4.6b	NEIC	3.6
1975	3	14	2	1	71.64	-4.12	33		4.7S	NEIC	4.7
1975	3	18	13	15	65.50	5.16			4.0S	FEN	4.0
1975	3	24	2	33	46.38	13.40		6	3.9S	NT4.1	4.7
1975	3	31	8	28	45.63	26.35	140		4.0w	Onc	4.0
1975	4	3	6	39	59.50	5.20	19	5	4.0S	FEN	4.0
1975	4	4	9	10	44.08	10.92		6	3.6S	NT4.1	4.5
1975	4	13	4	56	46.27	1.70	5	5.5		LLA	3.6
1975	4	16	1	27	71.52	-10.43	13		6.5S	NEIC	6.5
1975	5	16	19	41	45.51	14.32	14	5.5		ZivS	3.9
1975	5	18	22	19	68.00	11.10			4.0S	FEN	4.0
1975	5	29	0	32	46.02	5.95		5.5		LLA	4.0
1975	6	1	13	25	46.20	10.90		5.5	4.2S	NT4.1	4.9
1975	7	11	10	49	66.40	-19.90			4.8L	IMO	5.1
1975	8	9	8	46	44.79	17.00		6	4.0L	ZivC	3.6
1975	8	13	10	6	66.60	-17.80			4.5L	IMO	4.9
1975	8	30	14	7	48.60	-3.27		5.5		LLA	4.0
1975	10	3	18	34	64.50	-17.30			5.1L	IMO	5.4
1975	11	12	0	6	57.00	7.20			4.7b	FEN	4.7
1975	11	12	17	51	71.73	-2.45	33		4.9b	NEIC	4.6
1975	11	12	22	1	71.67	-1.27	33		4.9b	NEIC	4.6
1975	11	12	23	38	71.68	-2.48	33		5.0b	NEIC	4.9
1975	11	16	4	57	46.13	12.45		5	3.9S	NT4.1	4.7
1975	11	16	13	4	44.62	9.43	20	5.5	4.5S	NT4.1	5.1
1975	11	27	20	26	57.26	-5.41	11	5	4.1L	Mus	3.7
1975	12	16	3	57	66.60	-18.10			4.6L	IMO	5.0
1975	12	16	10	13	66.70	-18.00			4.5L	IMO	4.9
1975	12	21	12	52	66.20	-16.50			4.4L	IMO	4.8
1975	12	22	10	35	66.20	-16.40			4.4L	IMO	4.8
1975	12	23	6	18	66.00	-17.20			4.5L	IMO	4.9
1975	12	23	15	40	63.90	-21.90			4.5L	IMO	4.9
1975	12	23	16	6	63.90	-21.90			4.5L	IMO	4.9
1975	12	23	16	28	63.90	-21.90			4.4L	IMO	4.8
1975	12	23	16	36	63.90	-21.90			4.1L	IMO	4.5
1975	12	24	9	33	66.10	-16.40			4.7L	IMO	5.0
1975	12	24	17	41	66.00	-16.50			4.5L	IMO	4.9
1975	12	25	5	44	66.10	-16.40			4.5L	IMO	4.9
1975	12	25	22	4	66.30	-16.40			5.3L	IMO	5.6
1975	12	26	0	50	66.10	-16.50			4.8L	IMO	5.1
1975	12	26	18	24	65.90	-16.40			4.5L	IMO	4.9
1975	12	26	20	31	66.10	-16.40			4.4L	IMO	4.8
1975	12	27	18	32	45.75	26.74	129		5.3w	Onc	5.3
1975	12	28	11	3	66.10	-16.50			4.3L	IMO	4.7
1975	12	29	10	45	66.10	-16.50			4.7L	IMO	5.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1975	12	30	15	5	65.90	-16.50			4.5L	IMO	4.9
1975	12	31	8	43	66.20	-16.50			4.4L	IMO	4.8
1976	1	1	0	32	66.10	-16.70			4.4L	IMO	4.8
1976	1	2	2	15	65.70	-16.90			4.3L	IMO	4.7
1976	1	2	6	33	66.10	-16.70			4.7L	IMO	5.0
1976	1	4	4	29	66.10	-16.60			4.8L	IMO	5.1
1976	1	5	12	40	65.60	-16.80			4.4L	IMO	4.8
1976	1	6	8	50	65.80	-16.60			4.9L	IMO	5.2
1976	1	6	14	24	66.20	-16.60			4.4L	IMO	4.8
1976	1	6	23	1	66.10	-16.70			4.4L	IMO	4.8
1976	1	6	23	1	66.10	-16.70			4.7L	IMO	5.0
1976	1	8	21	54	66.10	-16.60			4.1L	IMO	4.5
1976	1	9	3	46	66.10	-16.70			4.8L	IMO	5.1
1976	1	9	6	9	66.00	-16.80			4.6L	IMO	5.0
1976	1	9	6	45	66.00	-16.70			4.7L	IMO	5.0
1976	1	13	4	34	66.10	-16.60			5.0L	IMO	5.3
1976	1	13	13	29	66.20	-16.60			6.2L	IMO	6.3
1976	1	13	13	59	67.30	-22.00			4.5L	IMO	4.9
1976	1	13	14	27	66.00	-16.70			4.4L	IMO	4.8
1976	1	13	16	26	66.10	-16.60			4.7L	IMO	5.0
1976	1	13	17		66.10	-16.70			4.3L	IMO	4.7
1976	1	13	18	58	66.10	-16.70			4.5L	IMO	4.9
1976	1	14	9	5	65.70	-16.70			4.5L	IMO	4.9
1976	1	15	0	15	66.20	-16.60			4.5L	IMO	4.9
1976	1	15	3	17	66.20	-16.50			4.1L	IMO	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1976	1	15	10	45	66.20	-16.60			4.2L	IMO	4.6
1976	1	16	13	6	65.60	-17.30			4.2L	IMO	4.6
1976	1	17	2	44	66.00	-17.40			4.4L	IMO	4.8
1976	1	17	11	51	65.70	-17.00			4.5L	IMO	4.9
1976	1	17	12	25	65.80	-16.70			4.4L	IMO	4.8
1976	1	18	8	23	65.70	-16.80			4.7L	IMO	5.0
1976	1	19	9	22	65.70	-17.00			4.9L	IMO	5.2
1976	1	20	4	45	65.70	-16.80			4.6L	IMO	5.0
1976	1	21	14	32	65.70	-16.80			4.7L	IMO	5.0
1976	1	22	10	5	65.70	-16.80			4.5L	IMO	4.9
1976	1	22	20	55	65.70	-16.80			4.4L	IMO	4.8
1976	1	25	15	37	66.20	-16.90			4.6L	IMO	5.0
1976	1	25	15	41	66.30	-17.00			4.7L	IMO	5.0
1976	1	25	21	57	65.60	-17.10			4.3L	IMO	4.7
1976	1	31	22	40	65.70	-16.80			4.7L	IMO	5.0
1976	2	2	13	16	66.10	-16.70			5.0L	IMO	5.3
1976	2	6	7	23	65.70	-17.00			4.6L	IMO	5.0
1976	2	29	3	40	48.02	8.48	10	5	4.0L	Ley	3.6
1976	3	2	8	27	47.58	9.42	20	5	4.2L	Ley	3.8
1976	3	6	20	26	66.60	-17.90			4.6L	IMO	5.0
1976	3	25	21	16	71.69	-1.93	33		4.7b	NEIC	3.9
1976	3	26	22	28	47.60	9.40	18	4.5	4.3L	Ley96	3.9
1976	3	29	12	40	71.12	-8.52	33		4.7b	NEIC	3.9
1976	5	6	20		46.24	13.12		9.5	6.3w	Bon84	6.3
1976	5	11	22	44	46.29	12.99			5.3w	Bon84	5.3

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1976	5	25	12	45	71.58	-12.45	10		4.6b	NEIC	3.6
1976	5	25	14	4	71.57	-12.25	10		4.6b	NEIC	3.6
1976	6	12	10	34	71.39	-8.61	33		4.8b	NEIC	4.2
1976	6	23	4	37	71.76	-3.00	33		4.9b	NEIC	4.6
1976	7	17	9	13	46.69	9.68	4	5	4.2L	SED	3.8
1976	7	27	4		64.70	-17.30			5.1L	IMO	5.4
1976	8	22	2	49	44.57	9.50	20		4.0S	NT4.1	4.8
1976	8	24	23	23	48.57	17.36	8	5.5	4.0S	Lab	4.0
1976	9	7	17	38	45.62	26.50	155		3.6w	Onc	3.6
1976	9	8	19	54	45.68	0.80	10	5		LLA	3.8
1976	9	11	16	31	46.29	13.18			5.2w	Bon84	5.2
1976	9	11	16	35	46.30	13.19			5.6w	Bon84	5.6
1976	9	15	3	15	46.30	13.19			5.9w	Bon84	5.9
1976	9	15	4	38	46.30	13.19			4.8w	Bon84	4.8
1976	9	15	9	21	46.34	13.12		8.5	5.9w	Bon84	5.9
1976	9	15	23	39	48.32	9.07	1	6	4.0L	Ley	3.6
1976	9	16	23	48	46.28	12.98			5.0w	Bon84	5.0
1976	9	19	14	52	45.53	14.31	10	6		ZivS	3.9
1976	10	1	17	50	45.68	26.49	146	6	6.0w	Onc	6.0
1976	10	15	10	54	47.10	25.60	17		3.9w	Onc	3.9
1976	10	24	20	33	50.36	4.03	1	6	4.2L	ORB	3.8
1976	10	25	8	39	59.26	23.39	10	6.5	4.7b	FEN	4.7
1976	12	13	5	24	45.90	10.77		7	4.1S	NT4.1	4.8
1977	1	20	2	57	65.80	-16.70			4.2L	IMO	4.6
1977	1	20	4	34	65.70	-16.80			4.2L	IMO	4.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1977	2	16	19	34	45.98	16.18	10	5.5	4.0L	ZivC	3.6
1977	3	4	19	21	45.77	26.76	94	9	7.4w	Onc	7.4
1977	3	5	0	0	45.48	27.09	104		4.2w	Onc	4.2
1977	3	5	12	8	45.37	26.30	124		3.5w	Onc	3.5
1977	3	5	13	31	46.41	7.39	14		4.1L	SED	3.7
1977	3	9	11	5	45.44	27.07	118		3.6w	Onc	3.6
1977	3	12	13	27	45.74	26.90	100		3.8w	Onc	3.8
1977	3	12	18	2	45.79	26.89	100		3.5w	Onc	3.5
1977	3	13	18	47	45.75	27.08	136		3.5w	Onc	3.5
1977	3	22	8	26	45.51	26.15	167		3.5w	Onc	3.5
1977	3	24	9	25	63.60	-19.00			4.7L	IMO	5.0
1977	4	3	0	24	46.40	13.00		4.5	4.2S	NT4.1	4.9
1977	4	4	2	15	45.59	26.64	115		3.8w	Onc	3.8
1977	4	6	11	9	46.48	1.68		5		LLA	3.8
1977	4	15	0	27	57.10	6.10			4.4b	FEN	4.5
1977	4	18	12	35	70.52	-15.18	10		4.6b	NEIC	3.6
1977	4	19	11	30	63.60	-19.00			4.0L	IMO	4.4
1977	4	20	0	32	44.75	17.21	25	6	4.4L	ZivC	4.0
1977	4	21	3	59	70.89	-14.21	10		4.9b	NEIC	4.6
1977	4	27	23	25	46.58	2.83		5		LLA	3.8
1977	4	30	23	33	67.80	13.80		4.5	3.9S	FEN	3.9
1977	5	2	20	34	61.10	3.80			4.5L	FEN	3.7
1977	5	7	2	13	71.75	-1.81	33		5.1S	NEIC	5.1
1977	5	8	21	7	71.51	-12.47	33		4.4S	NEIC	4.4
1977	5	16	15	7	63.90	-23.00			4.1L	IMO	4.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1977	5	16	16	30	63.80	-22.90			4.1L	IMO	4.5
1977	5	16	16	44	63.90	-23.00			4.1L	IMO	4.5
1977	5	16	16	47	63.90	-22.90			4.6L	IMO	5.0
1977	5	16	16	58	64.00	-23.10			4.0L	IMO	4.4
1977	5	16	17	9	63.80	-23.00			4.0L	IMO	4.4
1977	5	17	2	49	46.48	1.68		5		LLA	3.8
1977	6	2	13	32	52.94	9.94	8	5.5	4.0L	Gru	3.6
1977	6	2	14	55	63.70	-19.00			5.1L	IMO	5.4
1977	6	16	2	26	45.74	26.60	151		4.7w	Onc	4.7
1977	7	14	7	15	64.50	-17.30			4.8L	IMO	5.1
1977	7	16	13	13	46.31	14.24	8	6.5		ZivS	4.0
1977	7	17	17	34	45.60	26.65	106		4.2w	Onc	4.2
1977	7	26	3	48	62.00	2.50			4.0S	FEN	4.0
1977	7	26	6	46	46.24	27.05	122		3.9w	Onc	3.9
1977	7	28	6	24	45.64	26.71	139		3.8w	Onc	3.8
1977	7	29	22	54	44.94	17.39	6	4	4.0L	Zsi	3.6
1977	8	4	22	32	45.68	26.62	146		4.8w	Onc	4.8
1977	8	26	9	48	45.64	26.70	96	4	4.0w	Onc	4.0
1977	8	28	13	14	45.51	26.55	125		3.8w	Onc	3.8
1977	9	2	22	47	48.03	9.32	3	6.5	3.9L	Ley	3.6
1977	9	13	0	39	45.70	26.60	120		3.6w	Onc	3.6
1977	9	13	4	25	45.70	26.60	110		3.8w	Onc	3.8
1977	9	16	23	48	46.30	12.98	14	7.5	5.4S	NT4.1	5.4
1977	10	10	6	5	46.08	-1.27		5		LLA	3.8
1977	11	6	17	11	45.44	26.42	126		4.4w	Onc	4.4
1977	11	7	0	23	48.07	9.38	12	5	3.9L	Ley	3.6
1977	11	19	21	41	47.38	12.95	10	5	3.5S	ZAMG	3.5
1977	11	22	2	17	45.70	26.60	120		3.8w	Onc	3.8
1977	12	5	3	44	62.40	2.20			4.4b	FEN	4.5
1977	12	28	20	32	64.60	-17.30			5.2L	IMO	5.5
1978	1	1	7	40	45.72	26.46	136	5	5.1w	Onc	5.1
1978	1	4	9	31	45.70	26.60	130		3.5w	Onc	3.5
1978	1	6	3	40	45.70	26.60	150		3.5w	Onc	3.5
1978	1	9	4	35	66.10	-16.80			4.2L	IMO	4.6
1978	1	9	9	15	66.00	-16.80			4.3L	IMO	4.7
1978	1	9	13	54	65.90	-16.60			4.4L	IMO	4.8
1978	1	9	19	3	66.00	-16.70			4.6L	IMO	5.0
1978	1	9	20	3	65.80	-16.60			4.2L	IMO	4.6
1978	1	10	1	56	66.00	-16.60			4.4L	IMO	4.8
1978	1	10	3	26	65.80	-16.60			4.0L	IMO	4.4
1978	1	10	7	3	66.10	-16.80			4.0L	IMO	4.4
1978	1	10	10	38	66.00	-16.80			4.1L	IMO	4.5
1978	1	10	12	45	66.00	-16.60			4.5L	IMO	4.9
1978	1	10	17	42	65.80	-16.90			4.6L	IMO	5.0
1978	1	10	19	25	66.00	-16.80			4.3L	IMO	4.7
1978	1	10	20	44	66.00	-16.80			4.4L	IMO	4.8
1978	1	11	8	50	66.10	-16.80			4.0L	IMO	4.4
1978	1	11	10	58	66.00	-16.90			4.8L	IMO	5.1
1978	1	11	16	41	66.10	-16.80			4.3L	IMO	4.7
1978	1	12	9	7	65.90	-16.80			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1978	1	13	0	31	66.00	-16.90			4.0L	IMO	4.4
1978	1	13	17	8	65.90	-16.90			4.1L	IMO	4.5
1978	1	14	19	9	66.10	-16.80			4.1L	IMO	4.5
1978	1	14	19	44	47.65	15.92	10	5	3.5S	ZAMG	3.5
1978	1	15	10	26	45.78	26.73	142	4.5	4.8w	Onc	4.8
1978	1	16	14	31	48.30	9.03	7	6.5	4.6L	Ley	4.2
1978	1	16	14	33	48.30	9.04	6		4.1L	Ley	3.7
1978	1	17	6	48	45.70	26.60	110		3.6w	Onc	3.6
1978	1	24	9	35	66.10	-16.80			4.1L	IMO	4.5
1978	1	28	9	35	45.70	26.60	160		3.6w	Onc	3.6
1978	2	9	17	30	44.16	16.98	8	6	4.5L	Zsi	4.1
1978	2	9	20	6	45.70	26.60	100	4	4.0w	Onc	4.0
1978	3	4	13	0	48.75	19.30	5	5	3.6S	Lab	3.6
1978	4	13	22		45.70	26.60	130		3.6w	Onc	3.6
1978	4	16	19	35	71.56	-3.36	10		4.6b	NEIC	3.6
1978	4	26	20	7	45.70	26.60	150		3.5w	Onc	3.5
1978	5	2	10	29	45.70	26.60	125		3.8w	Onc	3.8
1978	5	23	4		45.70	26.60	80		3.5w	Onc	3.5
1978	5	25	17	5	45.64	26.62	127	4	4.3w	Onc	4.3
1978	5	26	23	47	45.70	26.60	90		3.6w	Onc	3.6
1978	6	21	23	29	64.60	-17.60			4.0L	IMO	4.4
1978	6	22	3	33	46.75	21.13	8	6	4.6L	Zsi	4.2
1978	6	22	3	57	46.75	21.13			3.9L	Zsi	3.6
1978	6	30	1	15	47.69	23.26	10		4.0w	Onc	4.0
1978	7	4	15	16	45.47	26.61	114	3	4.0w	Onc	4.0
1978	7	5	6	38	70.60	-15.07	10		4.3S	NEIC	4.3
1978	7	11	13	11	45.70	26.60	90		3.5w	Onc	3.5
1978	7	12	17	59	65.90	-16.70			4.0L	IMO	4.4
1978	7	19	0	57	48.88	21.68		5	3.7S	Lab	3.7
1978	8	6	2	48	45.70	26.60	150		3.6w	Onc	3.6
1978	8	14	7	18	45.70	26.60	140		3.5w	Onc	3.5
1978	8	19	18	43	48.79	19.19	3	5	3.6S	Lab	3.6
1978	9	3	5	8	48.28	9.03	7	7.5	5.1w	Kun86	5.1
1978	9	3	5	23	48.28	9.00	10		3.9L	Ley	3.6
1978	9	3	5	34	48.28	8.72	10		4.3L	Ley	3.9
1978	9	3	8	10	48.50	8.90	10		4.1L	Ley	3.7
1978	9	3	10	2	48.40	8.90	10		4.7L	Ley	4.3
1978	9	5	13	36	45.68	26.51	152	5	4.8w	Onc	4.8
1978	9	5	18	24	45.70	26.60	130		3.5w	Onc	3.5
1978	9	15	19	34	45.72	26.75	169		3.9w	Onc	3.9
1978	9	19	14	52	62.34	1.50			4.1S	FEN	4.1
1978	9	19	23	53	48.30	8.95	10		4.1L	Ley	3.7
1978	9	23	16	58	45.70	26.60	120		3.5w	Onc	3.5
1978	9	26	17	47	47.26	19.05	14	5	4.5L	Zsi	4.1
1978	9	30	2	24	45.70	26.63	154	4.5	4.4w	Onc	4.4
1978	9	30	12	36	45.70	26.60	130		3.5w	Onc	3.5
1978	10	2	20	28	45.72	26.48	164	5.5	5.2w	Onc	5.2
1978	10	12	9	8	45.70	26.60	120		3.6w	Onc	3.6
1978	10	13	1	2	46.65	26.61	30	5	4.3w	Onc	4.3
1978	10	21	16	16	45.70	26.60	80		3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1978	10	22	4	12	45.70	26.60	100		3.8w	Onc	3.8
1978	10	23	5	1	47.73	16.17	15	4.5	3.8S	ZAMG	3.8
1978	11	5	0	10	45.40	26.30	145	3	4.0w	Onc	4.0
1978	11	6	10	48	45.70	0.90	10	5.5		LLA	4.0
1978	11	19	3	46	45.34	26.23	121		4.2w	Onc	4.2
1978	11	19	7	27	64.00	-20.40			4.0L	IMO	4.4
1978	11	23	8	32	45.70	26.60	140		3.6w	Onc	3.6
1978	12	5	15	39	44.38	12.12			4.2S	NT4.1	4.9
1978	12	9	21	1	61.50	3.20			3.9b	FEN	4.0
1978	12	11	6	15	46.40	27.40	15	4	3.8w	Onc	3.8
1978	12	11	23	37	45.73	26.67	140		4.4w	Onc	4.4
1978	12	12	15	14	46.27	12.73	23		4.2S	NT4.1	4.9
1978	12	17	3	48	46.16	14.13	7	6	3.9L	ZivS	3.6
1978	12	27	16	20	45.70	26.60	70		3.8w	Onc	3.8
1978	12	29	17	37	45.70	26.60	150		3.5w	Onc	3.5
1978	12	31	18	9	45.60	27.00	30		3.5w	Onc	3.5
1979	1	9	2	8	45.56	26.49	148	4	4.6w	Onc	4.6
1979	1	24	15	58	45.56	26.43	123	4	4.4w	Onc	4.4
1979	1	27	2	9	45.70	26.60	130		3.5w	Onc	3.5
1979	2	6	9	50	47.40	14.83	10	5.5	3.8S	ZAMG	3.8
1979	2	9	14	44	45.62	9.47	37		4.6S	NT4.1	5.1
1979	2	25	2	21	45.70	26.60	140		3.5w	Onc	3.5
1979	3	4	4	28	45.46	26.52	139	3	3.8w	Onc	3.8
1979	3	9	8	17	45.44	26.60	138	4	4.3w	Onc	4.3
1979	3	12	23	37	45.70	26.60	130		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1979	3	28	13	2	47.96	23.62	10	5	3.5w	Onc	3.5
1979	3	30	15	56	47.95	23.66	33	6	4.5w	Onc	4.5
1979	4	1	4	31	64.50	-17.60			4.1L	IMO	4.5
1979	4	4	16	40	45.70	26.60	65		3.5w	Onc	3.5
1979	4	16	12	27	44.65	5.23	5	5.5		LLA	3.6
1979	4	18	15	19	46.30	13.22	19		4.7S	NT4.1	5.2
1979	4	21	1	58	45.70	26.60	165		3.5w	Onc	3.5
1979	4	30	21	49	66.60	-17.90			4.2L	IMO	4.6
1979	4	30	23	28	66.50	-18.00			4.4L	IMO	4.8
1979	5	12	21	34	47.28	15.33	9	6	4.0S	ZAMG	4.0
1979	5	15	0	38	63.90	-22.90			4.2L	IMO	4.6
1979	5	18	7	39	45.71	26.64	91	4	4.2w	Onc	4.2
1979	5	31	7	20	45.55	26.33	120	6	5.3w	Onc	5.3
1979	6	2	19	30	45.70	26.60	165		3.5w	Onc	3.5
1979	6	6	11	59	45.82	27.24	54	4	3.8w	Onc	3.8
1979	6	7	21	20	45.83	27.41	32	4	4.1w	Onc	4.1
1979	6	7	21	26	45.78	27.22	23	4	3.9w	Onc	3.9
1979	6	7	21	41	45.83	27.40	33	4	3.8w	Onc	3.8
1979	6	13	22	50	45.70	26.60	160		3.6w	Onc	3.6
1979	6	19	18		45.70	26.60	110		3.8w	Onc	3.8
1979	6	20	13	38	45.70	26.60	100		3.5w	Onc	3.5
1979	6	22	23	17	64.50	-17.20			5.2L	IMO	5.5
1979	6	23	20	21	45.58	26.41	167	4	4.3w	Onc	4.3
1979	6	29	21	54	45.85	27.33	10	4	3.5w	Onc	3.5
1979	7	6	1	33	45.52	26.52	133		4.0w	Onc	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1979	7	26	11	23	45.70	26.60	60		3.5w	Onc	3.5
1979	8	7	16	34	45.70	26.60	90		3.8w	Onc	3.8
1979	8	8	0	24	45.80	27.04	39	4	3.9w	Onc	3.9
1979	9	6	11	47	45.70	26.60	120		3.5w	Onc	3.5
1979	9	7	13	57	44.86	17.60	10	5	4.0L	Zsi	3.6
1979	9	11	15	36	45.56	26.30	154	5.5	5.3w	Onc	5.3
1979	9	14	12	45	44.81	17.28		5	3.9L	ZivC	3.6
1979	9	22	19	6	48.27	23.60			4.3L	Zsi	3.9
1979	9	30	19	39	63.60	-19.20			4.2L	IMO	4.6
1979	10	9	20	53	45.70	26.60	130		3.8w	Onc	3.8
1979	10	13	14	25	45.70	26.60	100		3.8w	Onc	3.8
1979	10	20	4	43	47.47	25.64	10		3.7w	Onc	3.7
1979	10	20	5	42	45.42	26.41	141		4.2w	Onc	4.2
1979	10	27	14	58	48.29	7.65	7	5	4.0L	Ley	3.6
1979	11	11	2	17	45.72	26.67	124		3.8w	Onc	3.8
1979	11	20	17	36	71.19	-8.03	10		5.4S	NEIC	5.4
1979	11	20	18	19	71.19	-6.88	10		4.8b	NEIC	4.2
1979	11	22	7	24	44.90	5.63	5	6		LLA	3.8
1979	12	26	3	57	55.03	-2.82	11	6	4.7L	Mus	4.3
1980	1	5	14	32	45.02	7.33	21		4.7S	NT4.1	5.2
1980	1	14	15	7	45.78	26.60	141		5.1w	Onc	5.1
1980	1	22	6	26	45.71	26.65	163		4.3w	Onc	4.3
1980	1	24	4	25	45.49	26.51	147		3.8w	Onc	3.8
1980	1	25	0	27	46.63	10.75	4	5.5	3.4S	NT4.1	4.4
1980	2	5	5		63.60	-19.10			4.5L	IMO	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1980	2	18	10	28	45.70	26.60	130		3.8w	Onc	3.8
1980	2	20	10	54	45.70	26.60	130		3.6w	Onc	3.6
1980	3	6	3	15	45.57	26.43	153		3.8w	Onc	3.8
1980	3	7	23	19	45.69	26.63	112		3.8w	Onc	3.8
1980	3	8	6	22	45.70	26.60	80		3.5w	Onc	3.5
1980	3	10	19	15	45.61	26.47	157		3.8w	Onc	3.8
1980	3	24	8	44	70.31	-15.26	10		4.8b	NEIC	4.2
1980	4	8	17	5	45.20	24.20	13	4	3.5w	Onc	3.5
1980	4	29	6	15	45.76	26.61	151		3.8w	Onc	3.8
1980	5	3	23	13	44.29	17.68			4.0L	Zsi	3.6
1980	5	5	13	22	64.60	-17.00			4.0L	IMO	4.4
1980	5	9	13	5	45.70	26.60	70		3.5w	Onc	3.5
1980	5	10	20	15	45.20	23.80	7	4	3.7w	Onc	3.7
1980	5	17	20	59	63.20	-24.20			4.4L	IMO	4.8
1980	5	17	21	15	63.20	-24.50			4.5L	IMO	4.9
1980	6	7	18	35	44.05	10.60	30		4.1S	NT4.1	4.8
1980	6	18	7	47	45.49	26.54	154		3.9w	Onc	3.9
1980	7	3	16	14	45.65	26.33	163		3.8w	Onc	3.8
1980	7	5	23	28	45.74	26.62	119		3.6w	Onc	3.6
1980	7	15	12	17	47.67	7.48	12	6.5	4.1w	Sch	4.1
1980	7	16	15	0	47.65	7.50	17	4	4.0L	SED	3.6
1980	7	22	22	46	47.72	7.32		5.5		LLA	4.0
1980	8	12	12	11	64.70	-17.10			5.3L	IMO	5.6
1980	8	17	2	25	45.58	15.79	39	5	3.9L	ZivC	3.6
1980	8	22	22	9	44.35	18.49	35		4.4L	Zsi	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1980	8	29	7	33	44.03	16.93	5		4.4L	Zsi	4.0
1980	9	11	23	24	45.32	28.03	20	5	4.2w	Onc	4.2
1980	9	19	1	54	47.75	7.40		5		LLA	3.8
1980	10	9	10	27	45.28	26.12	84		3.6w	Onc	3.6
1980	10	10	21	42	44.45	6.85		5		LLA	3.8
1980	10	19	23	36	45.75	26.56	100		4.0w	Onc	4.0
1980	12	2	5	58	45.77	6.30	5	6.5		LLA	4.0
1980	12	8	0	46	45.51	26.47	127		3.9w	Onc	3.9
1980	12	8	8	22	45.76	26.52	61		3.6w	Onc	3.6
1980	12	8	9	38	45.65	26.53	100		3.6w	Onc	3.6
1980	12	12	5	48	45.78	26.60	106		3.8w	Onc	3.8
1980	12	12	22	47	45.71	26.54	95		3.6w	Onc	3.6
1980	12	23	12	1	44.82	9.85	31		4.6S	NT4.1	5.1
1980	12	25	11	37	66.70	-17.70			5.1L	IMO	5.4
1980	12	25	11	43	66.60	-17.80			4.6L	IMO	5.0
1980	12	25	17	47	66.50	-17.80			4.7L	IMO	5.0
1980	12	26	0	45	66.50	-17.80			4.5L	IMO	4.9
1980	12	26	1	5	66.40	-18.00			4.5L	IMO	4.9
1980	12	26	1	46	66.40	-18.20			4.5L	IMO	4.9
1980	12	26	5		66.50	-17.90			4.5L	IMO	4.9
1980	12	26	5	2	66.50	-17.80			4.8L	IMO	5.1
1981	1	9	20	58	45.83	26.44	157		3.6w	Onc	3.6
1981	1	26	23	43	68.70	-17.20			4.2L	IMO	4.6
1981	1	31	12	49	47.12	14.66	8	6	3.7S	ZAMG	3.7
1981	2	18	17	15	45.70	26.60	120		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1981	3	7	20	48	45.70	26.60	150	4	4.6w	Onc	4.6
1981	3	19	22	7	45.70	26.60	110		3.8w	Onc	3.8
1981	3	23	21	29	47.63	7.53		5		LLA	3.8
1981	5	8	0	11	45.73	26.63	144		3.9w	Onc	3.9
1981	5	9	1	31	64.60	-20.90			4.4L	IMO	4.8
1981	5	10	11	3	44.00	19.05	16		4.0L	Zsi	3.6
1981	5	22	13	34	47.50	14.20	12	4.5	3.5S	ZAMG	3.5
1981	5	31	19	46	47.49	13.98	15	4.5	3.7S	ZAMG	3.7
1981	6	9	9	28	45.70	26.60	150		3.8w	Onc	3.8
1981	6	11	15	44	45.70	26.60	100		3.8w	Onc	3.8
1981	6	15	10	17	47.04	14.73	12	6	4.4S	ZAMG	4.4
1981	6	21	14	42	45.70	26.60	150		3.9w	Onc	3.9
1981	6	28	4	22	45.70	26.50	123		3.9w	Onc	3.9
1981	6	28	6	16	45.72	14.17	9	5	3.9L	ZivS	3.6
1981	7	6	7	37	45.54	26.42	129		3.8w	Onc	3.8
1981	7	18	0	2	45.69	26.42	166	6	5.5w	Onc	5.5
1981	7	19	0	19	45.63	26.50	129		4.3w	Onc	4.3
1981	7	25	7	27	45.65	26.77	95		3.6w	Onc	3.6
1981	7	28	4	57	68.20	-20.00			4.5L	IMO	4.9
1981	8	13	2	58	44.70	17.29	14	8	5.4L	ZivC	5.0
1981	9	1	14	51	71.73	-0.04	10		5.0b	NEIC	4.9
1981	9	3	18	40	69.00	16.50		5.5	4.7L	FEN	3.8
1981	9	4	4	41	48.60	-4.60	15	5		LLA	4.0
1981	9	6	2	7	45.61	26.61	120		3.5w	Onc	3.5
1981	9	12	16	42	45.48	26.33	143		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1981	9	25	18	39	45.68	26.58	144		3.9w	Onc	3.9
1981	10	1	17	19	45.63	26.47	136		4.2w	Onc	4.2
1981	10	8	16	13	45.65	26.55	104		4.2w	Onc	4.2
1981	10	9	2	24	45.63	26.52	118		3.5w	Onc	3.5
1981	11	13	9	7	45.17	29.00	15	6.5	5.1w	Onc	5.1
1981	11	28	0	3	45.65	26.60	122		4.0w	Onc	4.0
1981	12	5	23	15	45.52	26.43	136		3.8w	Onc	3.8
1981	12	31	12	51	45.67	26.62	150		3.6w	Onc	3.6
1982	1	1	6	31	45.72	26.89	78		3.8w	Onc	3.8
1982	1	1	8	53	44.90	26.60	10		3.8w	Onc	3.8
1982	1	8	0	52	47.21	9.84	6	5.5	3.7S	ZAMG	3.7
1982	2	1	17	15	45.69	26.68	100		3.5w	Onc	3.5
1982	2	24	11	21	45.67	26.52	150		3.5w	Onc	3.5
1982	3	2	8	37	45.45	26.42	113		4.0w	Onc	4.0
1982	3	11	19	6	45.72	26.76	114		3.9w	Onc	3.9
1982	4	9	1	42	45.80	26.85	79		3.5w	Onc	3.5
1982	4	19	9	50	61.70	4.40			4.1S	FEN	4.1
1982	5	5	12	22	45.76	26.82	112		3.5w	Onc	3.5
1982	5	5	17	23	45.70	26.52	150		3.6w	Onc	3.6
1982	5	6	1	49	45.72	26.73	94		3.8w	Onc	3.8
1982	5	7	6	41	45.62	26.52	151		3.5w	Onc	3.5
1982	5	8	16	41	70.91	-6.16	10		4.7S	NEIC	4.7
1982	5	11	2	0	45.56	26.58	126		3.7w	Onc	3.7
1982	5	12	16	4	45.62	26.53	139		4.1w	Onc	4.1
1982	5	16	4	3	45.36	26.38	218		4.1w	Onc	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1982	5	17	17	30	48.55	10.25	30	5	4.3L	Ley96	3.9
1982	5	22	6	0	51.05	5.98	14	4	3.8w	AP83	3.8
1982	5	29	16	37	45.69	26.57	112		3.6w	Onc	3.6
1982	6	1	10	18	47.65	15.80	6	5	3.7S	ZAMG	3.7
1982	6	5	11	56	45.62	26.45	156		4.1w	Onc	4.1
1982	6	12	6	58	45.66	26.51	142		3.8w	Onc	3.8
1982	6	17	7	23	45.47	26.35	136		3.5w	Onc	3.5
1982	6	18	9	40	45.79	26.87	109		4.0w	Onc	4.0
1982	6	28	9	57	50.68	7.99	13	5.5	4.7L	Ley96	4.3
1982	7	1	6	50	48.48	22.23	14	6	4.6L	Zsi	4.2
1982	7	29	0	17	60.30	2.07	18		4.8L	FEN	3.9
1982	7	30	14	52	45.59	26.45	159		3.8w	Onc	3.8
1982	7	30	22	51	45.68	26.70	114		3.8w	Onc	3.8
1982	8	26	8	42	63.60	-19.60			4.2L	IMO	4.6
1982	9	27	20	18	71.59	-3.69	10		4.6b	NEIC	3.6
1982	10	9	6	57	45.64	26.51	141		3.5w	Onc	3.5
1982	10	10	11	16	70.41	-15.27	10		4.9b	NEIC	4.6
1982	10	10	12	7	70.35	-15.44	10		4.3S	NEIC	4.3
1982	10	16	18	57	45.57	26.58	140		4.2w	Onc	4.2
1982	10	18	3	57	45.79	26.77	89		3.8w	Onc	3.8
1982	10	30	15	2	49.86	18.44			4.2L	Zsi	3.8
1982	11	5	21	26	45.66	26.54	130		4.2w	Onc	4.2
1982	11	7	22	32	45.66	26.47	153		4.1w	Onc	4.1
1982	11	8	12	43	63.00	-24.40			4.6L	IMO	5.0
1982	11	8	13	2	46.10	6.38		5		LLA	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1982	11	13	10	3	45.67	26.83	131		3.7w	Onc	3.7
1982	12	1	16	52	45.68	26.65	145		4.3w	Onc	4.3
1982	12	2	11	20	45.63	26.54	97		3.5w	Onc	3.5
1982	12	12	21	25	45.69	26.44	154		3.9w	Onc	3.9
1982	12	23	20	59	45.83	26.96	62		3.8w	Onc	3.8
1983	1	9	10	13	45.75	26.58	91		4.0w	Onc	4.0
1983	1	25	7	34	45.75	26.64	150		5.6w	Onc	5.6
1983	1	25	19	0	45.52	6.53		5		LLA	3.8
1983	2	16	23	43	45.81	26.62	143		4.9w	Onc	4.9
1983	2	17	17	29	66.60	-18.10			4.0L	IMO	4.4
1983	2	21	18	3	45.33	26.91	24		3.5w	Onc	3.5
1983	2	21	18	9	45.31	26.97	20		3.5w	Onc	3.5
1983	2	27	0	57	45.65	26.46	155		3.7w	Onc	3.7
1983	3	6	18	13	45.57	26.36	146		3.8w	Onc	3.8
1983	3	8	18	44	59.70	5.60		5	4.4L	FEN	3.6
1983	3	11	6	29	45.68	26.54	154		4.5w	Onc	4.5
1983	3	19	0	6	68.90	-17.30			4.7L	IMO	5.0
1983	3	19	12	40	71.97	-2.15	10		4.8b	NEIC	4.2
1983	3	20	16	1	44.40	6.35		5		LLA	3.8
1983	3	22	18	4	45.50	26.34	138		3.6w	Onc	3.6
1983	3	24	10	11	45.62	26.53	106		3.7w	Onc	3.7
1983	3	29	18	3	45.72	26.65	137		3.6w	Onc	3.6
1983	4	2	23	24	45.57	26.39	127		3.8w	Onc	3.8
1983	4	3	0	51	45.79	26.69	121		3.7w	Onc	3.7
1983	4	8	4	2	45.73	26.53	91		3.5w	Onc	3.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1983	4	12	20	10	45.67	26.61	140		4.4w	Onc	4.4
1983	4	14	14	52	47.66	15.13	10	6.5	4.4S	ZAMG	4.4
1983	4	21	1	53	46.08	1.05		5		LLA	3.8
1983	4	24	6	56	45.68	26.66	129		3.8w	Onc	3.8
1983	5	3	20	5	45.35	27.03	17		3.7w	Onc	3.7
1983	5	5	12	45	45.75	26.86	91		4.6w	Onc	4.6
1983	5	16	15	17	64.10	-22.80			4.2L	IMO	4.6
1983	5	16	15	35	63.60	-23.60			4.6L	IMO	5.0
1983	5	16	15	41	63.60	-23.50			4.9L	IMO	5.2
1983	5	21	2	13	45.62	26.56	140		4.1w	Onc	4.1
1983	6	1	6	55	45.69	26.70	112		3.5w	Onc	3.5
1983	6	6	19	19	45.72	26.77	128		4.1w	Onc	4.1
1983	6	6	22	26	45.65	26.52	146		3.5w	Onc	3.5
1983	6	11	20	1	45.58	26.47	139		3.7w	Onc	3.7
1983	6	20	7	24	45.72	26.67	92		3.5w	Onc	3.5
1983	7	8	13	18	64.70	-17.60			4.3L	IMO	4.7
1983	7	11	19	32	63.60	-23.00			4.2L	IMO	4.6
1983	7	11	19	41	63.40	-23.90			4.6L	IMO	5.0
1983	7	11	19	54	63.60	-23.70			4.2L	IMO	4.6
1983	7	11	20	26	63.40	-23.90			4.7L	IMO	5.0
1983	7	20	9	44	64.50	-17.80			4.6L	IMO	5.0
1983	7	29	2	23	45.53	26.55	118		3.5w	Onc	3.5
1983	8	12	9	23	45.59	26.52	132		3.5w	Onc	3.5
1983	8	17	6	10	45.54	26.34	152		4.1w	Onc	4.1
1983	8	25	23	57	45.63	26.49	113		3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1983	8	30	9	54	45.61	26.47	150		3.7w	Onc	3.7
1983	8	31	0	18	46.71	10.36	3		4.0L	SED	3.6
1983	9	7	14	33	68.30	-18.70			4.6L	IMO	5.0
1983	9	9	3	40	71.31	-12.93	10		4.7b	NEIC	3.9
1983	9	20	0	18	45.65	26.47	152		4.3w	Onc	4.3
1983	9	21	1	44	45.68	26.59	136		3.5w	Onc	3.5
1983	11	8	0	49	50.63	5.50	6	7	5.0L	ORB	4.6
1983	11	11	21	10	45.45	6.88		5		LLA	3.8
1983	11	17	12	50	45.61	26.48	152		4.2w	Onc	4.2
1983	11	20	15	45	45.55	26.43	118		3.5w	Onc	3.5
1983	12	7	1	5	45.56	26.51	114		3.5w	Onc	3.5
1983	12	26	17	56	45.63	26.54	147		3.9w	Onc	3.9
1984	1	12	7	55	45.71	26.63	92		3.8w	Onc	3.8
1984	1	20	7	24	45.50	26.40	131		4.4w	Onc	4.4
1984	1	20	15	41	48.33	14.55	3	5.5	3.5S	ZAMG	3.5
1984	1	23	2	18	45.44	26.32	134		3.5w	Onc	3.5
1984	1	29	16	14	71.87	-1.62	10		5.4S	NEIC	5.4
1984	1	29	20	27	45.58	26.33	150		3.8w	Onc	3.8
1984	2	7	11	16	45.45	26.43	123		4.1w	Onc	4.1
1984	2	12	4	43	68.20	-18.90			4.3L	IMO	4.7
1984	2	12	19	9	45.69	26.75	124		4.7w	Onc	4.7
1984	2	21	10	0	45.48	26.44	132		3.8w	Onc	3.8
1984	2	22	18	30	64.40	-20.60			4.6L	IMO	5.0
1984	2	26	1	35	47.22	11.40	11	5	4.4S	ZAMG	4.4
1984	3	1	2	22	45.57	26.61	118		3.9w	Onc	3.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1984	3	5	21	43	45.63	26.51	147		3.5w	Onc	3.5
1984	3	9	15	32	45.55	26.43	142		3.9w	Onc	3.9
1984	3	18	16	28	44.58	17.10	6	6	4.6L	Zsi	4.2
1984	3	21	1	36	45.67	26.66	134		4.3w	Onc	4.3
1984	4	1	15	52	45.67	26.65	133		4.0w	Onc	4.0
1984	4	8	21	58	44.55	17.13	51	6	5.0L	Zsi	4.6
1984	4	11	16	56	45.72	26.60	80		3.6w	Onc	3.6
1984	4	15	10	57	47.64	15.87	7	6.5	4.9S	ZAMG	4.9
1984	4	17	8	53	44.98	5.17	5	5.5		LLA	3.6
1984	4	18	7	19	45.68	26.59	145		3.8w	Onc	3.8
1984	4	19	2	35	45.52	26.37	136		3.7w	Onc	3.7
1984	4	24	8	22	63.00	-24.90			4.7L	IMO	5.0
1984	5	3	8	56	46.05	6.52		5		LLA	3.8
1984	5	8	15	31	45.69	26.67	135		3.8w	Onc	3.8
1984	5	11	23	15	45.73	26.84	97		3.5w	Onc	3.5
1984	5	15	21	51	45.50	26.41	142		4.3w	Onc	4.3
1984	5	22	19	33	47.65	15.85	10	5.5	3.8S	ZAMG	3.8
1984	5	24	19	56	47.65	15.92	10	6	4.6S	ZAMG	4.6
1984	5	30	17	21	45.67	26.48	157		3.5w	Onc	3.5
1984	6	11	10	39	45.47	26.35	117		3.5w	Onc	3.5
1984	6	14	14	46	45.44	26.27	155		4.2w	Onc	4.2
1984	6	19	11	40	44.05	6.15		6		LLA	4.2
1984	6	27	2	55	70.61	-14.79	10		3.9S	NEIC	3.9
1984	6	27	3	4	70.64	-14.91	10		5.0b	NEIC	4.9
1984	6	30	19	34	44.05	6.13		5.5		LLA	4.0

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1984	7	14	10	3	45.41	26.35	132		4.0w	Onc	4.0
1984	7	19	6	56	52.96	-4.38	20	6	5.4L	Mus	5.0
1984	7	29	20	17	52.98	-4.44	21		4.0L	Mus	3.6
1984	7	30	12	16	71.50	-11.97	10		5.2S	NEIC	5.2
1984	8	3	19	36	45.74	26.72	84		4.0w	Onc	4.0
1984	8	7	9	22	45.59	26.40	153		4.2w	Onc	4.2
1984	8	9	7	40	47.70	18.21	11	4.5	3.6S	Lab	3.6
1984	8	18	11	37	52.96	-4.38	21		4.3L	Mus	3.9
1984	9	2	16	14	44.88	17.28	6	6	4.2L	Zsi	3.8
1984	9	5	5	16	47.25	8.56	15		4.0L	SED	3.6
1984	9	30	23	31	64.50	-17.50			5.2L	IMO	5.5
1984	10	28	2	45	71.47	-4.26	10		4.3S	NEIC	4.3
1984	11	2	20	33	45.49	26.46	118		3.5w	Onc	3.5
1984	11	4	6	35	45.67	26.62	136		3.8w	Onc	3.8
1984	11	30	22	25	45.69	26.52	89		3.9w	Onc	3.9
1984	12	22	2	18	48.07	6.60		5		LLA	3.8
1984	12	24	16	44	48.13	6.54	10		4.1L	Ley96	3.7
1984	12	29	11	2	48.07	6.60	5	6		LLA	3.8
1984	12	29	11	3	48.00	6.60	11		4.5L	Ley96	4.1
1984	12	29	14	2	48.09	6.53	10		4.3L	Ley96	3.9
1984	12	29	14	54	48.12	6.55	10		4.2L	Ley96	3.8
1984	12	31	23	26	48.07	6.60		5		LLA	3.8
1985	1	2	18	39	48.10	6.60	9		4.0L	Ley96	3.6
1985	1	4	23	59	45.32	6.57		5		LLA	3.8
1985	1	5	2	40	45.61	26.22	152		4.2w	Onc	4.2

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1985	1	6	7	57	71.18	-8.17	10		3.6S	NEIC	3.6
1985	1	6	8	57	70.96	-7.40	10		4.7b	NEIC	3.9
1985	1	6	10	22	71.22	-8.01	10		3.6S	NEIC	3.6
1985	1	6	12	6	71.09	-7.75	10		5.0b	NEIC	4.9
1985	1	6	12	35	71.24	-7.80	10		4.7b	NEIC	3.9
1985	1	7	21	53	71.14	-7.44	10		3.7S	NEIC	3.7
1985	1	10	7	39	45.73	26.53	142		3.8w	Onc	3.8
1985	1	12	21	15	63.10	-24.40			4.3L	IMO	4.7
1985	1	28	10	3	45.62	26.44	139		4.2w	Onc	4.2
1985	1	30	21	54	45.72	26.55	123		3.6w	Onc	3.6
1985	2	13	6	21	45.70	26.20	148		3.8w	Onc	3.8
1985	2	28	21	33	47.60	7.47		5		LLA	3.8
1985	3	5	22	6	45.67	26.35	150		3.6w	Onc	3.6
1985	3	6	7	21	45.52	26.29	156		3.8w	Onc	3.8
1985	3	11	2	37	45.60	26.30	160		3.9w	Onc	3.9
1985	3	14	9	9	45.55	26.53	137		4.0w	Onc	4.0
1985	3	15	10	39	45.64	26.55	150		4.3w	Onc	4.3
1985	3	17	9	22	45.49	26.35	118		4.3w	Onc	4.3
1985	3	26	2	57	45.71	26.65	146		3.5w	Onc	3.5
1985	3	26	7	3	45.69	26.55	140		4.9w	Onc	4.9
1985	4	25	21	24	45.80	26.77	94		3.8w	Onc	3.8
1985	4	27	16	25	45.73	26.68	91		4.4w	Onc	4.4
1985	5	11	0	30	45.68	26.66	133		3.5w	Onc	3.5
1985	5	25	21	57	45.52	26.37	143		3.5w	Onc	3.5
1985	6	5	11	17	45.61	26.48	143		3.5w	Onc	3.5

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1985	6	5	23	54	48.05	16.35	11	5	3.8S	ZAMG	3.8
1985	6	10	11	25	47.32	11.86	11	5	3.8S	ZAMG	3.8
1985	6	15	0	40	56.56	12.25	11	7	3.7w	Arv91	3.7
1985	6	16	0	37	71.36	-11.15	10		5.1b	NEIC	5.1
1985	6	21	16	50	45.63	26.37	120		4.5w	Onc	4.5
1985	6	25	10	27	64.70	-20.80			4.0L	IMO	4.4
1985	6	25	10	31	64.70	-20.70			4.4L	IMO	4.8
1985	6	26	7	40	45.76	26.57	121		3.8w	Onc	3.8
1985	6	26	13	38	64.70	-20.80			4.3L	IMO	4.7
1985	6	28	16	44	64.50	-20.90			4.3L	IMO	4.7
1985	7	6	11	53	44.22	17.48	11		4.0L	Zsi	3.6
1985	7	14	7	34	45.61	26.65	138		3.9w	Onc	3.9
1985	7	14	8	26	45.73	26.59	96		3.5w	Onc	3.5
1985	7	17	6	32	45.65	26.49	151		4.4w	Onc	4.4
1985	7	19	17	23	64.90	-21.20			4.2L	IMO	4.6
1985	7	27	4	20	64.80	-19.50			4.1L	IMO	4.5
1985	8	1	11	17	45.79	26.77	119	4.5	5.2w	Onc	5.2
1985	8	1	14	35	45.73	26.62	94	6	5.8w	Onc	5.8
1985	8	14	18	23	45.64	26.53	147		3.5w	Onc	3.5
1985	8	15	5	28	47.06	18.01	10	6.5	4.7L	Zsi	4.3
1985	8	15	6	29	47.04	18.01	11		4.0L	Zsi	3.6
1985	8	15	11	53	47.14	18.05	10		4.0L	Zsi	3.6
1985	8	15	22	10	47.08	18.13	5		3.9L	Zsi	3.6
1985	8	19	7	16	47.11	18.12	2	4.5	3.9L	Zsi	3.6
1985	8	21	16	38	71.91	-1.48	10		5.1S	NEIC	5.1
1985	8	23	11	9	68.10	-18.70			4.3L	IMO	4.7
1985	8	24	6	8	50.26	7.99	15	4	3.9L	Ley96	3.6
1985	8	27	0	16	45.55	26.38	158		3.8w	Onc	3.8
1985	8	30	18	47	67.70	-19.10			4.6L	IMO	5.0
1985	8	30	19	1	67.70	-18.60			5.0L	IMO	5.3
1985	9	4	11	4	46.99	18.04	5	5	3.9L	Zsi	3.6
1985	9	10	1	38	47.03	18.12	10	5.5	3.9L	Zsi	3.6
1985	9	20	5	34	45.84	27.07	62		3.5w	Onc	3.5
1985	9	30	0	8	45.65	26.42	153		3.5w	Onc	3.5
1985	9	30	11	16	47.55	0.52	10	5		LLA	3.8
1985	10	3	12	8	45.54	26.49	119		3.5w	Onc	3.5
1985	10	17	4	54	45.74	26.73	118		3.8w	Onc	3.8
1985	10	26	3	21	45.68	26.63	155		3.5w	Onc	3.5
1985	11	22	5	16	45.81	26.51	145		3.5w	Onc	3.5
1985	12	12	2	58	47.59	14.36	9	5.5	4.1S	ZAMG	4.1
1985	12	15	12	14	45.81	26.93	86		3.5w	Onc	3.5
1985	12	21	10	16	50.22	12.46		7	3.6w	GBK86	3.6
1985	12	22	6	1	69.07	-16.91	10		4.6b	NEIC	3.6
1985	12	24	0	4	50.24	12.45	9	5.5	4.0L	GruRA	3.6
1985	12	24	10	52	67.70	-18.70			4.6L	IMO	5.0
1985	12	24	16	35	68.20	-22.00			4.7L	IMO	5.0
1985	12	26	20	50	68.80	-16.90			4.7L	IMO	5.0
1985	12	29	9	4	45.79	26.67	116		3.5w	Onc	3.5
1986	1	10	7	9	70.44	-15.26	10		4.6b	NEIC	3.6
1986	1	10	8	10	70.32	-15.27	10		4.7b	NEIC	3.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1986	1	20	23	38	50.24	12.45	9	6.5	4.2L	Gru91	3.8
1986	1	23	2	21	50.25	12.45	9	5.5	3.9L	GruRA	3.6
1986	2	5	17	54	62.80	4.90			4.6L	FEN	3.8
1986	2	13	0	18	45.81	26.58	130		3.9w	Onc	3.9
1986	2	27	12	7	47.72	8.93	13	5.5	4.4L	Ley96	4.0
1986	3	4	17	34	45.65	26.33	153		3.8w	Onc	3.8
1986	3	7	12	24	45.67	26.33	121		3.6w	Onc	3.6
1986	3	16	18	45	45.74	26.62	116		3.8w	Onc	3.8
1986	4	15	6	39	45.70	26.72	104		3.9w	Onc	3.9
1986	4	18	10	48	45.61	26.49	168		3.5w	Onc	3.5
1986	4	27	0	4	45.51	27.07	18		3.7w	Onc	3.7
1986	5	19	0	15	45.60	26.59	160		3.5w	Onc	3.5
1986	5	27	9	41	71.76	-2.36	10		4.6S	NEIC	4.6
1986	5	28	6	22	71.73	-10.84	10		4.6S	NEIC	4.6
1986	5	30	8	47	71.69	-2.47	10		4.3S	NEIC	4.3
1986	6	5	3	4	45.76	26.76	111		3.6w	Onc	3.6
1986	6	16	18	13	45.75	26.86	129		3.5w	Onc	3.5
1986	6	26	2	41	71.38	-4.33	10		4.2S	NEIC	4.2
1986	7	8	16	34	45.69	26.42	92		3.6w	Onc	3.6
1986	7	14	13	50	58.48	14.01	29	5.5	3.8w	AWK92	3.8
1986	7	28	20	54	70.92	-7.22	10		4.6S	NEIC	4.6
1986	8	16	6	41	45.58	26.33	148	5	4.7w	Onc	4.7
1986	8	17	11	56	45.67	26.47	105		4.4w	Onc	4.4
1986	8	20	9	7	45.53	26.57	122		3.6w	Onc	3.6
1986	8	20	17	0	45.64	26.67	143		3.5w	Onc	3.5
1986	8	21	2	11	45.66	26.54	147		3.8w	Onc	3.8
1986	8	30	21	28	45.52	26.49	131	8.5	7.1w	Onc	7.1
1986	8	30	22	50	45.55	26.46	141		3.7w	Onc	3.7
1986	8	31	5	13	45.49	26.40	135		3.5w	Onc	3.5
1986	8	31	6	19	45.53	26.41	143		4.0w	Onc	4.0
1986	8	31	6	57	45.57	26.58	134		3.8w	Onc	3.8
1986	8	31	8	50	45.51	26.41	138		3.5w	Onc	3.5
1986	8	31	10	44	45.48	26.38	132		3.5w	Onc	3.5
1986	8	31	12	35	45.47	26.39	126		4.0w	Onc	4.0
1986	8	31	22	46	45.53	26.48	135		3.6w	Onc	3.6
1986	9	1	4	40	45.52	26.39	137		3.5w	Onc	3.5
1986	9	1	9	7	45.53	26.38	140		4.2w	Onc	4.2
1986	9	1	22	11	45.52	26.39	139		4.1w	Onc	4.1
1986	9	2	2	0	45.54	26.43	143		4.5w	Onc	4.5
1986	9	2	9	3	45.54	26.48	134		4.1w	Onc	4.1
1986	9	2	10	0	45.45	26.31	133		3.6w	Onc	3.6
1986	9	2	21	55	45.55	26.44	140		3.8w	Onc	3.8
1986	9	2	23	21	45.53	26.36	146		3.9w	Onc	3.9
1986	9	3	20	24	45.56	26.47	137		4.1w	Onc	4.1
1986	9	4	0	6	45.49	26.41	131		3.5w	Onc	3.5
1986	9	4	1	8	45.53	26.42	138		3.5w	Onc	3.5
1986	9	4	1	30	45.49	26.38	136		3.8w	Onc	3.8
1986	9	4	2	15	45.55	26.45	148		3.8w	Onc	3.8
1986	9	5	11	1	45.51	26.39	136		3.7w	Onc	3.7
1986	9	7	1	56	45.49	26.28	142		3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1986	9	7	4	45	45.51	26.37	146		4.3w	Onc	4.3
1986	9	7	8	0	45.51	26.36	140		4.0w	Onc	4.0
1986	9	7	19	4	45.50	26.21	156		4.0w	Onc	4.0
1986	9	7	23	4	45.54	26.41	143		3.5w	Onc	3.5
1986	9	8	12	39	45.60	26.54	147		3.7w	Onc	3.7
1986	9	8	17	19	45.53	26.41	140		3.7w	Onc	3.7
1986	9	9	3	49	45.53	26.43	143		3.8w	Onc	3.8
1986	9	11	4	37	71.00	-15.24	10		4.8b	NEIC	4.2
1986	9	12	8	38	45.57	26.59	135		3.6w	Onc	3.6
1986	9	16	14	18	63.40	-24.10			4.5L	IMO	4.9
1986	9	17	2	56	45.61	26.61	136		3.8w	Onc	3.8
1986	9	17	13	0	45.52	26.36	143		4.0w	Onc	4.0
1986	9	19	0	21	45.53	26.68	143		4.4w	Onc	4.4
1986	9	20	13	51	45.53	26.42	140		3.5w	Onc	3.5
1986	9	20	15	0	45.59	26.37	165		3.8w	Onc	3.8
1986	9	23	1	45	45.51	26.42	135		3.5w	Onc	3.5
1986	9	29	1	33	56.45	-5.65	23	5	4.1L	Mus	3.7
1986	10	10	17	16	45.51	26.31	132		4.4w	Onc	4.4
1986	10	12	0	52	45.73	26.80	140		3.5w	Onc	3.5
1986	10	12	23	34	66.20	-17.40			4.2L	IMO	4.6
1986	10	18	6	33	45.49	26.28	145		3.8w	Onc	3.8
1986	10	24	16	21	45.47	26.31	147		3.6w	Onc	3.6
1986	10	26	11	34	61.70	3.31	11		4.7L	FEN	3.8
1986	10	26	23	1	45.58	26.50	141		3.6w	Onc	3.6
1986	11	2	7	48	58.71	13.51	21	5	3.5w	AWK92	3.5
1986	11	23	2	49	64.70	-17.30			5.2L	IMO	5.5
1986	12	2	8	56	45.50	26.30	151		4.2w	Onc	4.2
1986	12	8	19	19	45.88	26.96	67		3.7w	Onc	3.7
1986	12	10	19	44	45.47	26.38	151		3.9w	Onc	3.9
1986	12	15	2	18	71.36	-9.47	10		3.9S	NEIC	3.9
1986	12	16	22	33	45.59	26.56	144		4.5w	Onc	4.5
1987	2	17	17	24	45.51	26.33	157		4.2w	Onc	4.2
1987	2	19	8	41	45.55	26.50	188		3.6w	Onc	3.6
1987	2	22	1	51	63.80	-22.70			4.2L	IMO	4.6
1987	2	22	2	26	63.80	-23.20			4.2L	IMO	4.6
1987	2	22	2	32	63.80	-23.20			4.4L	IMO	4.8
1987	3	6	15	18	45.15	23.11	10		3.5w	Onc	3.5
1987	3	18	17	55	45.69	26.61	115		4.4w	Onc	4.4
1987	3	20	8	41	68.20	-17.40			4.0L	IMO	4.4
1987	3	21	3	1	45.69	26.71	169		4.0w	Onc	4.0
1987	3	21	16	41	45.76	26.55	143		3.9w	Onc	3.9
1987	3	30	3	41	45.88	26.74	76		4.3w	Onc	4.3
1987	4	8	16	11	45.61	26.64	96		3.5w	Onc	3.5
1987	5	16	8	56	45.55	26.47	120		3.6w	Onc	3.6
1987	5	18	2	25	45.71	26.66	143		3.5w	Onc	3.5
1987	5	25	11	31	63.90	-19.80			5.8L	IMO	6.0
1987	5	26	2	43	66.10	-17.60			4.2L	IMO	4.6
1987	6	22	5	42	45.73	26.58	148		4.2w	Onc	4.2
1987	6	29	10	16	45.50	26.31	145		3.8w	Onc	3.8
1987	7	1	17	56	64.70	-17.40			4.3L	IMO	4.7

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1987	7	19	2	18	45.55	27.79	15		4.4w	Onc	4.4
1987	8	29	19	24	71.71	-2.64	10		4.4S	NEIC	4.4
1987	8	30	6	7	45.83	27.12	50		3.5w	Onc	3.5
1987	9	4	1	40	45.68	26.43	160		5.0w	Onc	5.0
1987	9	4	9	58	45.72	26.44	151		4.7w	Onc	4.7
1987	9	16	2	37	66.60	-18.00			4.4L	IMO	4.8
1987	9	20	11	53	46.76	7.22	7		3.9L	SED	3.6
1987	9	23	20	40	45.60	26.58	140		3.9w	Onc	3.9
1987	9	25	7	55	45.69	26.65	142		4.4w	Onc	4.4
1987	9	27	4	40	45.56	26.42	129		3.5w	Onc	3.5
1987	10	5	16	9	45.67	26.54	146		3.9w	Onc	3.9
1987	10	9	7	12	45.65	26.48	156		4.4w	Onc	4.4
1987	10	19	19	20	45.70	26.68	121		4.8w	Onc	4.8
1987	10	28	23	49	47.08	9.21	7		4.2L	SED	3.8
1987	10	31	3	42	45.96	26.47	135		3.8w	Onc	3.8
1987	11	10	21	37	45.99	26.63	64		3.5w	Onc	3.5
1987	11	14	17	5	47.70	5.59	11		3.9L	Ley96	3.6
1987	11	20	0	3	44.50	18.86			4.3L	Zsi94	3.9
1987	11	23	8	28	62.70	-24.10			4.1L	IMO	4.5
1987	11	25	22	3	45.77	26.81	118		4.3w	Onc	4.3
1987	12	4	0	13	45.68	26.52	162		3.5w	Onc	3.5
1987	12	18	10	8	45.67	26.46	152		3.8w	Onc	3.8
1988	1	7	10	21	45.67	26.67	139	4	4.6w	Onc	4.6
1988	1	8	12	50	45.55	26.43	158		3.6w	Onc	3.6
1988	1	8	16	50	45.49	26.41	133		4.6w	Onc	4.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1988	1	11	2	46	47.46	13.99	10	5	3.5S	ZAMG	3.5
1988	1	20	0	14	44.39	17.81	6		4.2L	Zsi94	3.8
1988	1	21	17	41	45.61	26.53	144		3.9w	Onc	3.9
1988	1	31	18	51	68.02	9.70	31		4.6L	FEN	3.8
1988	2	1	17	48	45.70	26.70	110		3.6w	Onc	3.6
1988	2	11	19	7	45.43	26.42	124		3.9w	Onc	3.9
1988	2	12	19	36	45.54	26.55	152		3.6w	Onc	3.6
1988	2	13	5	3	45.78	26.47	106		3.6w	Onc	3.6
1988	3	13	17	41	45.75	26.45	111		3.5w	Onc	3.5
1988	3	15	0	31	45.68	26.57	152		4.0w	Onc	4.0
1988	3	20	4	8	45.73	26.68	87		4.0w	Onc	4.0
1988	3	20	14	39	70.96	-6.49	10		3.5S	NEIC	3.5
1988	4	1	7	15	47.90	27.70	17		4.2w	Onc	4.2
1988	4	28	21	22	48.92	18.36	5	6	4.1S	Lab	4.1
1988	5	27	15	18	44.13	21.60			4.4L	Zsi94	4.0
1988	6	3	4	10	45.75	26.68	151		3.6w	Onc	3.6
1988	6	15	21	2	45.79	26.88	101		3.8w	Onc	3.8
1988	6	27	5	36	45.76	26.89	97		4.3w	Onc	4.3
1988	7	7	19	1	44.73	25.37	6		3.5w	Onc	3.5
1988	7	12	17	2	47.34	10.54	8	5	3.5S	ZAMG	3.5
1988	8	13	12	18	45.83	26.86	113		3.8w	Onc	3.8
1988	8	18	3	34	45.55	26.39	144		3.8w	Onc	3.8
1988	8	22	2	21	45.67	26.85	110		3.8w	Onc	3.8
1988	9	9	14	40	66.70	-17.90			4.9L	IMO	5.2
1988	9	9	22	29	66.60	-17.90			4.0L	IMO	4.4

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1988	9	12	20	19	66.60	-17.80			5.1L	IMO	5.4
1988	9	12	23		66.60	-17.90			4.2L	IMO	4.6
1988	9	13	0	22	66.60	-18.00			4.0L	IMO	4.4
1988	9	14	20	13	66.70	-17.90			4.1L	IMO	4.5
1988	9	17	8	54	66.70	-17.90			4.1L	IMO	4.5
1988	9	23	5	46	65.20	-17.10			4.1L	IMO	4.5
1988	10	9	11	49	45.67	26.70	84		3.5w	Onc	3.5
1988	10	15	12	16	45.76	26.63	110		3.5w	Onc	3.5
1988	10	27	1	15	45.77	26.64	126		3.5w	Onc	3.5
1988	11	1	5	45	45.68	26.59	151		3.5w	Onc	3.5
1988	11	3	15	56	45.82	26.90	84		4.4w	Onc	4.4
1988	11	7	21	53	45.81	26.72	128		3.5w	Onc	3.5
1988	11	19	12	56	45.55	26.53	125		3.8w	Onc	3.8
1988	11	26	10	25	45.57	26.78	127		3.9w	Onc	3.9
1988	11	29	1	23	45.89	21.60	3		3.9w	Onc	3.9
1988	12	11	11	20	45.59	26.47	126		4.1w	Onc	4.1
1988	12	13	4	1	71.13	-7.63	10		5.6S	NEIC	5.6
1988	12	15	11	24	45.74	26.68	157		3.8w	Onc	3.8
1988	12	24	5	43	45.72	26.68	137		3.5w	Onc	3.5
1988	12	24	21	10	45.47	26.39	149		3.8w	Onc	3.8
1988	12	28	8	36	45.66	26.53	155		3.8w	Onc	3.8
1988	12	31	17	46	45.59	26.46	151		3.9w	Onc	3.9
1989	1	1	13	57	45.64	26.55	153		3.9w	Onc	3.9
1989	1	3	1	14	45.73	26.71	136		4.3w	Onc	4.3
1989	1	3	21	39	45.73	26.49	147		3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1989	1	27	4	55	47.00	16.98	22	6	4.2L	Zsi94	3.8
1989	1	29	16	38	59.62	6.04	13	5	4.5L	FEN	3.7
1989	2	3	15	18	64.60	-17.40			4.8L	IMO	5.1
1989	2	9	10	43	45.62	26.51	131		4.1w	Onc	4.1
1989	2	25	15	43	47.56	22.42	20		3.7w	Onc	3.7
1989	3	4	19	18	45.50	26.15	84		3.5w	Onc	3.5
1989	4	13	2	39	45.65	26.59	132		3.7w	Onc	3.7
1989	4	13	14	34	45.75	26.81	118		4.0w	Onc	4.0
1989	5	6	23	46	64.70	-17.30			4.4L	IMO	4.8
1989	5	16	0	5	45.69	26.59	147		3.8w	Onc	3.8
1989	5	16	1	30	45.48	26.30	131		4.0w	Onc	4.0
1989	5	21	2	15	45.48	26.44	133		4.4w	Onc	4.4
1989	5	26	13	28	45.67	26.54	143		3.7w	Onc	3.7
1989	6	7	0	18	48.69	19.33	12	5.5	4.1S	Lab	4.1
1989	6	9	9	46	71.57	-4.38	10		4.7b	NEIC	3.9
1989	6	9	12	19	71.43	-4.37	10		5.4S	NEIC	5.4
1989	6	10	4	53	71.48	-3.80	10		4.5S	NEIC	4.5
1989	6	10	21	46	45.39	26.27	125		3.5w	Onc	3.5
1989	6	13	9	4	45.71	26.91	117		3.5w	Onc	3.5
1989	6	22	2	37	45.81	26.53	82		3.8w	Onc	3.8
1989	7	8	15	41	45.51	26.42	143		4.4w	Onc	4.4
1989	7	13	13	14	45.61	26.44	142		3.5w	Onc	3.5
1989	7	16	4	26	45.64	26.47	143		4.2w	Onc	4.2
1989	7	18	19	56	47.55	13.12	10	5	4.0S	ZAMG	4.0
1989	7	19	5	28	65.40	-10.60			4.5L	IMO	4.9

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1989	7	20	9	15	47.55	13.12	10	4	3.5S	ZAMG	3.5
1989	7	28	0	45	45.82	26.56	143		3.5w	Onc	3.5
1989	8	6	1	2	66.20	-16.70			4.0L	IMO	4.4
1989	8	6	12	46	66.30	-16.90			4.0L	IMO	4.4
1989	8	7	22	30	45.64	26.37	162		3.5w	Onc	3.5
1989	8	15	4	15	45.73	26.57	111		4.4w	Onc	4.4
1989	8	18	10	36	45.70	26.65	142		3.6w	Onc	3.6
1989	8	22	3	40	45.63	26.51	139		3.7w	Onc	3.7
1989	8	22	9	6	45.74	26.51	157		3.5w	Onc	3.5
1989	9	16	1	0	45.64	26.67	128		3.6w	Onc	3.6
1989	9	30	1	0	71.12	-1.05	10		4.3S	NEIC	4.3
1989	10	3	9	5	45.61	26.50	121		3.6w	Onc	3.6
1989	10	4	19	15	63.60	-19.10			4.3L	IMO	4.7
1989	10	22	11	25	45.46	26.39	139		3.9w	Onc	3.9
1989	11	3	8	30	45.82	26.75	108		3.5w	Onc	3.5
1989	11	3	10	14	45.16	26.74	167		3.5w	Onc	3.5
1989	11	3	20	55	45.25	26.08	147		3.8w	Onc	3.8
1989	11	12	8	10	45.54	26.48	142		3.6w	Onc	3.6
1989	11	15	2	54	48.75	19.36	8	5.5	4.0S	Lab	4.0
1989	11	16	16	56	45.84	26.77	71		3.6w	Onc	3.6
1989	11	16	20	40	45.75	26.69	146		3.9w	Onc	3.9
1989	11	17	0	54	47.39	11.85	12	5	4.0S	ZAMG	4.0
1989	11	21	21	52	47.15	14.65	12	5	3.6S	ZAMG	3.6
1989	11	23	4	10	45.42	26.27	137		4.3w	Onc	4.3
1989	12	6	0	48	47.27	25.14			3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1990	1	13	6	55	45.61	26.54	151		4.1w	Onc	4.1
1990	1	20	1	48	45.58	26.48	118		3.5w	Onc	3.5
1990	2	4	9	37	45.44	26.41	141		3.9w	Onc	3.9
1990	2	7	2	20	45.69	26.73	136		4.0w	Onc	4.0
1990	2	14	15	55	46.27	6.71	16		3.9L	SED	3.6
1990	2	22	8	39	45.42	26.25	133		4.1w	Onc	4.1
1990	2	24	8	55	45.68	26.77	110		3.6w	Onc	3.6
1990	3	7	5	59	45.72	26.64	134		3.7w	Onc	3.7
1990	3	7	6	50	45.80	26.57	141		4.0w	Onc	4.0
1990	3	13	5	16	45.67	26.58	146		3.6w	Onc	3.6
1990	3	19	10	46	64.00	-21.90			4.7L	IMO	5.0
1990	3	19	10	48	63.90	-21.90			4.0L	IMO	4.4
1990	3	27	3	51	45.44	26.41	135		3.5w	Onc	3.5
1990	4	2	13	46	52.43	-3.03	14	6	5.1L	Mus	4.7
1990	4	26	8	28	45.67	26.57	105		3.8w	Onc	3.8
1990	4	29	22	26	45.59	26.50	146		3.5w	Onc	3.5
1990	5	1	8	41	45.62	26.51	139		3.8w	Onc	3.8
1990	5	2	11	39	57.69	5.67	15		4.5c	FEN	3.7
1990	5	12	23	30	45.53	26.36	141		4.0w	Onc	4.0
1990	5	16	12	32	46.95	10.25	11	5.5	4.1L	ZAMG	3.7
1990	5	25	6	34	45.39	26.21	141		3.9w	Onc	3.9
1990	5	30	10	40	45.83	26.89	91		6.9w	Onc	6.9
1990	5	30	10	49	45.94	26.80	94		3.5w	Onc	3.5
1990	5	30	11	2	45.79	26.84	94		3.9w	Onc	3.9
1990	5	30	11	7	45.86	26.80	100		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1990	5	30	11	31	45.86	26.81	89		4.2w	Onc	4.2
1990	5	30	12	6	45.72	26.81	81		3.7w	Onc	3.7
1990	5	30	13	19	45.72	26.84	74		3.5w	Onc	3.5
1990	5	30	13	22	45.87	26.78	93		3.5w	Onc	3.5
1990	5	30	14	15	45.72	26.65	77		3.7w	Onc	3.7
1990	5	30	14	16	45.84	26.87	93		3.6w	Onc	3.6
1990	5	30	15	38	45.81	26.81	90		3.5w	Onc	3.5
1990	5	30	17	21	45.82	26.86	86		3.7w	Onc	3.7
1990	5	30	17	47	45.85	26.82	88		3.5w	Onc	3.5
1990	5	30	20	19	45.81	26.83	86		3.8w	Onc	3.8
1990	5	31	0	17	45.85	26.91	87		6.4w	Onc	6.4
1990	5	31	2	25	45.73	26.69	82		3.5w	Onc	3.5
1990	5	31	4	48	45.77	26.99	79		4.1w	Onc	4.1
1990	5	31	4	50	45.78	26.85	84		3.5w	Onc	3.5
1990	6	1	17	23	45.87	26.88	93		3.5w	Onc	3.5
1990	6	1	21	46	45.81	26.76	97		3.7w	Onc	3.7
1990	6	2	14	33	46.53	1.58		5		LLA	3.8
1990	6	8	6	34	45.63	26.54	116		3.7w	Onc	3.7
1990	6	8	7	21	45.77	26.81	84		3.5w	Onc	3.5
1990	6	10	15	25	45.78	26.78	85		3.5w	Onc	3.5
1990	6	13	22	27	45.80	26.80	65		3.7w	Onc	3.7
1990	6	15	22	55	45.79	26.81	80		3.5w	Onc	3.5
1990	6	18	8	20	45.47	26.31	154		3.5w	Onc	3.5
1990	6	18	17	3	45.75	26.72	73		3.5w	Onc	3.5
1990	6	20	2	22	45.85	26.82	90		3.5w	Onc	3.5
1990	6	20	11	53	45.76	26.90	78		3.5w	Onc	3.5
1990	6	22	19	16	45.44	26.41	143		3.5w	Onc	3.5
1990	6	26	7	53	45.76	26.78	78		3.5w	Onc	3.5
1990	6	26	7	54	45.79	26.77	86		3.8w	Onc	3.8
1990	6	29	20	7	45.78	26.85	79		3.5w	Onc	3.5
1990	7	1	0	3	45.55	26.48	123		3.8w	Onc	3.8
1990	7	6	5	57	45.08	26.27	163		3.5w	Onc	3.5
1990	7	8	9	12	45.66	26.46	154		3.6w	Onc	3.6
1990	7	16	8	59	45.51	26.37	149		4.1w	Onc	4.1
1990	8	4	3	56	45.60	26.50	103		3.8w	Onc	3.8
1990	8	16	16	3	45.51	26.64	117		3.6w	Onc	3.6
1990	9	2	15	44	45.72	26.50	155		3.6w	Onc	3.6
1990	9	9	17	50	45.78	26.71	108		3.7w	Onc	3.7
1990	9	10	8	28	45.84	26.63	85		4.1w	Onc	4.1
1990	9	10	12	17	70.77	-13.80	10		4.3S	NEIC	4.3
1990	9	11	17	15	71.66	-2.54	10		4.1S	NEIC	4.1
1990	9	14	2	52	71.73	-2.68	10		4.8b	NEIC	4.2
1990	9	30	18	54	45.63	26.48	77		4.3w	Onc	4.3
1990	10	2	17	28	44.63	22.45	20		3.5w	Onc	3.5
1990	10	3	3	54	45.62	26.47	134		4.2w	Onc	4.2
1990	10	4	8	46	71.61	-4.28	10		3.9S	NEIC	3.9
1990	10	6	19	9	45.44	26.19	138		4.6w	Onc	4.6
1990	10	18	10	5	45.72	26.66	152		3.5w	Onc	3.5
1990	10	29	21	59	45.49	26.44	111		3.5w	Onc	3.5
1990	11	18	9	7	45.72	26.59	146		4.1w	Onc	4.1

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1990	11	23	23	31	45.61	26.33	149		3.6w	Onc	3.6
1990	12	3	23	37	45.48	26.35	141		3.6w	Onc	3.6
1990	12	10	3	37	45.76	26.56	158		3.5w	Onc	3.5
1990	12	16	16	21	45.74	26.65	133		3.5w	Onc	3.5
1990	12	29	8	33	45.69	26.58	158		4.0w	Onc	4.0
1991	1	13	3	23	45.76	26.74	121		4.4w	Onc	4.4
1991	1	31	13	28	45.80	26.77	129		4.2w	Onc	4.2
1991	2	11	15	43	44.85	6.67		6		LLA	4.2
1991	2	23	22	36	45.72	26.45	164		3.5w	Onc	3.5
1991	2	26	3	37	45.77	26.80	129		3.5w	Onc	3.5
1991	2	28	6	48	45.61	26.35	155		3.8w	Onc	3.8
1991	4	1	10	10	45.65	26.49	158		4.0w	Onc	4.0
1991	4	1	11	7	45.49	25.96	131		3.5w	Onc	3.5
1991	4	28	21	24	45.61	26.41	144		3.9w	Onc	3.9
1991	4	29	12	17	45.65	26.54	135		3.9w	Onc	3.9
1991	4	30	18	0	45.57	26.54	129		3.7w	Onc	3.7
1991	5	2	10	15	47.88	16.37	11	5.5	4.3L	ZAMG	3.9
1991	5	3	22	36	45.72	26.54	148		3.7w	Onc	3.7
1991	5	9	3	4	45.54	26.43	114		3.5w	Onc	3.5
1991	5	19	23	27	45.83	26.82	87		3.6w	Onc	3.6
1991	5	20	15	8	45.45	26.28	130		3.7w	Onc	3.7
1991	5	22	8	15	45.44	26.25	138		3.5w	Onc	3.5
1991	5	25	12	11	45.74	26.75	84		3.7w	Onc	3.7
1991	6	5	1	18	45.51	26.45	139		3.8w	Onc	3.8
1991	6	25	19	46	45.56	26.36	145		3.5w	Onc	3.5
1991	7	2	17	16	45.79	26.69	112		3.8w	Onc	3.8
1991	7	12	10	42	45.38	21.05	11	8	5.6w	Onc	5.6
1991	7	13	17	27	45.89	22.11			3.7w	Onc	3.7
1991	7	18	11	56	44.90	22.35	12	8	5.6w	Onc	5.6
1991	7	18	17	38	45.59	26.43	130		3.8w	Onc	3.8
1991	7	19	1	27	46.03	22.30	10		3.7w	Onc	3.7
1991	7	19	5	0	45.54	26.57	125		3.8w	Onc	3.8
1991	8	7	7	8	45.57	26.53	143		3.7w	Onc	3.7
1991	8	8	19	1	45.71	26.61	146		3.8w	Onc	3.8
1991	8	12	9	19	45.56	26.56	123		3.8w	Onc	3.8
1991	9	1	1	15	45.48	26.93	22		3.5w	Onc	3.5
1991	9	10	18	41	45.68	26.56	143		3.9w	Onc	3.9
1991	9	25	15	1	45.51	26.35	145		4.0w	Onc	4.0
1991	9	29	21	40	45.52	26.46	130		4.1w	Onc	4.1
1991	11	14	10	27	45.71	26.45	134		3.5w	Onc	3.5
1991	11	18	7	8	45.49	26.49	131		3.8w	Onc	3.8
1991	11	20	1	54	46.72	9.53	7		5.0L	SED	4.6
1991	11	25	4	57	45.67	26.61	87		3.6w	Onc	3.6
1991	11	29	2	45	48.20	18.63	17	4.5	3.8S	Lab	3.8
1991	12	2	8	49	45.45	21.12	9	8	5.5w	Onc	5.5
1991	12	9	4	39	45.51	26.36	156		4.1w	Onc	4.1
1991	12	14	13	30	50.72	1.87		5		LLA	3.8
1991	12	19	3	12	45.80	21.78			3.8w	Onc	3.8
1992	1	12	7	22	45.54	26.40	137		3.7w	Onc	3.7
1992	2	22	21	48	45.72	26.46	86		3.6w	Onc	3.6

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1992	2	25	10	49	45.54	26.36	122		3.5w	Onc	3.5
1992	3	16	23	53	45.55	26.48	123		3.6w	Onc	3.6
1992	3	31	15	4	45.63	26.58	154		4.7w	Onc	4.7
1992	4	13	1	20	51.16	5.95	18	7	5.3w	Cam94	5.3
1992	4	14	1	6	50.94	6.17			3.6w	PHW94	3.6
1992	4	19	12	20	45.52	26.66	155		3.7w	Onc	3.7
1992	4	23	16	44	45.50	26.49	137		4.4w	Onc	4.4
1992	5	3	13	10	45.52	26.36	139		4.1w	Onc	4.1
1992	5	8	6	44	47.16	9.56	10		4.6L	SED	4.2
1992	5	8	7	51	47.15	9.52	9		4.2L	SED	3.8
1992	5	15	0	43	47.16	9.52	11		3.9L	SED	3.6
1992	6	2	12	12	45.79	26.81	109		4.2w	Onc	4.2
1992	6	23	22	51	45.71	26.64	139		3.8w	Onc	3.8
1992	6	24	17	24	45.71	26.61	145		3.8w	Onc	3.8
1992	6	28	23	19	49.57	20.84	24	5	4.2S	Lab	4.2
1992	6	29	0	29	49.52	20.94	14	5.5	4.2S	Lab	4.2
1992	7	15	17	42	45.57	26.49	128		4.0w	Onc	4.0
1992	7	21	9	4	45.69	26.65	89		3.5w	Onc	3.5
1992	8	16	23	58	45.61	26.48	105		4.2w	Onc	4.2
1992	8	19	15	22	45.52	26.37	139		3.5w	Onc	3.5
1992	9	22	8	24	48.88	21.95	11	5	3.9S	Lab	3.9
1992	10	3	0	48	45.47	26.45	146		3.7w	Onc	3.7
1992	10	6	9	31	45.51	26.41	119		3.9w	Onc	3.9
1992	10	12	19	33	45.51	26.53	116		4.6w	Onc	4.6
1992	11	1	3	40	45.85	26.73	97		3.6w	Onc	3.6
1992	11	10	1	17	45.63	26.50	156		4.5w	Onc	4.5
1992	11	11	14	6	45.63	26.64	121		4.4w	Onc	4.4
1992	11	13	0	18	45.77	26.76	127		3.5w	Onc	3.5
1992	11	21	12	55	45.77	26.68	138		4.6w	Onc	4.6
1992	12	9	23	43	45.57	26.64	117		4.1w	Onc	4.1
1992	12	15	10	25	45.46	26.20	146		4.2w	Onc	4.2
1992	12	23	21	5	45.54	20.95	35		4.1L	Zsi94	3.7
1992	12	26	5	23	59.24	1.49	9		3.9L	Mus	3.6
1992	12	30	21	34	47.71	8.38	22	5	4.0L	Ley96	3.6
1993	1	14	8	23	45.53	20.96	11		3.9L	Zsi94	3.6
1993	1	21	15	1	45.66	26.58	142		3.7w	Onc	3.7
1993	2	12	4	14	45.67	26.36	120		3.5w	Onc	3.5
1993	3	1	7	42	49.48	20.90	12	7	5.0S	Lab	5.0
1993	3	9	14	17	45.56	26.39	148		4.2w	Onc	4.2
1993	3	13	11	36	47.35	-2.43		5.5		LLA	4.0
1993	4	9	22	22	45.73	26.58	143		3.5w	Onc	3.5
1993	4	16	19	56	45.56	26.34	125		3.5w	Onc	3.5
1993	4	18	2	3	45.59	26.31	145		4.1w	Onc	4.1
1993	6	18	17	56	47.70	15.85	29	4.5	4.4L	ZAMG	4.0
1993	7	4	2	32	45.74	26.77	130		3.5w	Onc	3.5
1993	7	10	5	1	45.56	26.56	135		3.5w	Onc	3.5
1993	7	10	5	40	45.62	26.48	154		3.6w	Onc	3.6
1993	7	10	8	59	47.13	10.22	19	5	3.9L	ZAMG	3.6
1993	7	30	14	25	45.73	26.53	123		4.4w	Onc	4.4
1993	8	1	18	4	44.91	26.96	77		3.8w	Onc	3.8

year	mo	day	h	min	lat	lon	depth	int	M_{orig}	ref	M_w
1993	8	2	2	22	45.72	26.44	146		3.5w	Onc	3.5
1993	8	16	12	14	45.56	26.35	163		3.8w	Onc	3.8
1993	8	26	21	32	45.66	26.62	146		4.3w	Onc	4.3
1993	8	29	2	2	45.64	26.49	151		3.8w	Onc	3.8
1993	9	3	3	42	45.57	26.54	118		3.6w	Onc	3.6
1993	9	3	17	31	45.25	26.16	143		3.5w	Onc	3.5
1993	9	6	2	56	45.63	26.52	142		3.7w	Onc	3.7
1993	9	17	20	5	45.50	26.51	158		3.6w	Onc	3.6
1993	9	18	8	4	45.83	26.37	155		4.0w	Onc	4.0
1993	10	21	13	14	45.45	26.28	135		3.6w	Onc	3.6
1993	10	31	16	59	45.64	26.54	151		3.8w	Onc	3.8
1993	11	4	10	52	45.66	26.63	132		4.1w	Onc	4.1
1993	11	5	14	41	45.59	26.57	139		3.6w	Onc	3.6
1993	12	11	2	9	45.72	26.72	140		4.1w	Onc	4.1
1993	12	12	2	58	47.08	-0.42		5		LLA	3.8
1993	12	28	22	15	45.69	26.65	145		3.5w	Onc	3.5