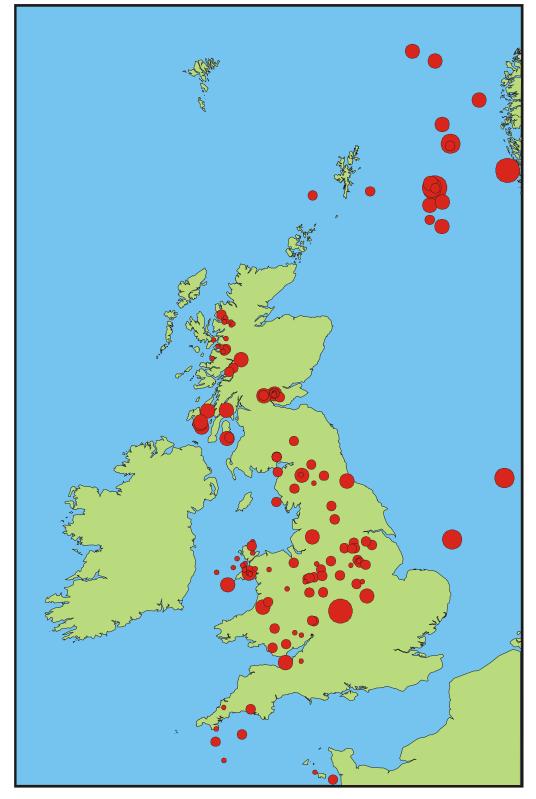


British Geological Survey

BULLETIN OF BRITISH EARTHQUAKES 2000



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BRITISH GEOLOGICAL SURVEY

TECHNICAL REPORT IR/01/28

Global Seismology and Geomagnetism

Bulletin of British earthquakes 2000

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BRITISH GEOLOGICAL SURVEY

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1. INTRODUCTION

1.1 The Bulletin

The British Geological Survey's Seismic Monitoring and Information Service operates a nationwide network of seismograph stations in the United Kingdom. The whole of the UK, including coastal waters, is covered within the limits of the detection capabilities of the seismograph network, and accuracy is extended through data exchange with neighbouring countries. Seismic phase data, location details and magnitudes are presented in the Bulletin for all earthquakes detected and located by BGS during 2000 together with maps showing the larger magnitude events since 1979 (ML \geq 2.5) and since 1970 (ML \geq 3.5). All felt areas are quoted in km², and are for the area enclosed within isoseismal 3 EMS (European Macroseismic Scale, Appendix C).

1.2 Summary of 2000 Seismicity

There have been 156 earthquakes located by the monitoring network during the year, with 35 of them having magnitudes of 2.0 ML or greater. Of these, 8 are known to have been felt, together with a further 9 smaller ones, bringing the total to 17 felt earthquakes in 2000.

The largest onshore earthquake, with a magnitude of 4.2 ML, occurred near Warwick on 23 September (Appendix A1). It was felt up to 150 km away and over an area of 14,900 km². A macroseismic survey conducted after the event yielded over 2,500 replies and the resulting map of felt effects is shown in Appendix A1. The highest observed intensity was 5 EMS at Warwick, where in a number of cases, objects such as ornaments, pictures or toys fell or were displaced. In a few cases, heavy objects were also said to have been displaced, including two washing machines, a cooker, a microwave and a sofa. The nearest 3-component strong motion instrument to record the earthquake was 76 km distant and accelerations of 17.3, 16.6 and 20.8 mms⁻² were recorded for the vertical, NS and EW components, respectively. The focal mechanism indicates almost pure normal faulting on a NW-SE oriented plane, dipping either to the NE or to the SW.

The largest offshore earthquake occurred in the northern North Sea on 8 December. It had a magnitude of 4.6 ML and was located approximately 175 km east of the Shetland Islands. It was felt on a nearby oil platform in the Bruce field (20 km SW of the epicentre). One staff member reported that "the size of the movement was similar to that experienced in storm conditions although the sea state wasn't more than a few metres at the time". Using a standard attenuation formula, it is estimated that a ground acceleration of 0.04g might have been experienced at this range; enough to be felt strongly on land. Platform dynamics may have amplified the effect at deck level.

An earthquake, with a magnitude of 4.2 ML, was located on the Norwegian Coast also on 8 December. It was felt with intensities of 5 EMS around Bergen, Norway. A further 20 events occurred in the North Sea and surrounding waters during the year, with magnitudes ranging between 1.0 and 4.5 ML, and were located using both the BGS and Norwegian networks.

Near Lochgilphead, Strathclyde, an earthquake, with a magnitude of 2.7 ML, occurred on 12 February. It was felt in Kames, Lochgilphead and Achahoish where residents described "tins fell off the shelf", "the house was shaking" and "was woken up from sleep", indicating an intensity of at least 4 EMS. Although the general area is seismically active, this is the largest

event since the magnitude 3.5 ML Lochgilphead earthquake in 1972, some 20 km to the northeast, which was also felt with intensities of at least 4 EMS.

Near Doune, Central Scotland, an earthquake with a magnitude of 2.3 ML occurred on 20 February. It was felt in Doune and Dunblane where residents described "windows and radiators rattled", indicating an intensity of at least 3 EMS. This is an area which has experienced a number of earthquakes in the past. In particular, in 1997, a swarm of ten earthquakes occurred with magnitudes ranging between 0.9 and 2.7 ML. The two largest of these were felt with intensities of at least 4 EMS.

Two events occurred near Calthwaite, Cumbria with magnitudes of 0.5 and 2.6 ML. The latter occurred on 24 April (Appendix A2) and felt reports described "the whole house shook" and "the windows rattled", indicating an intensity of at least 3 EMS. The nearest 3-component strong motion instrument to record the earthquake was 38 km distant and accelerations of 1.3, 7.2 and 1.4 mms⁻² were recorded for the vertical, NS and EW components, respectively. A focal mechanism for the larger event was calculated and shows dominantly normal faulting with a minor component of strike-slip. The nodal planes strike NNW-SSE.

In North Wales, six events with magnitudes ranging between 0.0 to 2.7 ML, were located on the Lleyn Peninsula, in the same area and at similar depths (20 km) as the magnitude 5.4 ML Lleyn earthquake of 19 July 1984, which was felt throughout England and Wales and into Scotland and Ireland. The magnitude 2.7 ML event occurred on 22 June (Appendix A3) and felt reports were received via the media, the Police and residents in Dinorwic, Maentwrog, Llanberis and Caernarvon, North Wales. These reports described "the whole house shook" and "felt a shudder", indicating an intensity of at least 4 EMS. This is the largest event in the Lleyn Peninsula area since the magnitude 2.7 ML earthquake on 15 April 1986, which was felt with intensities of 2 EMS in Pwllheli and Porthmadog. The calculated focal mechanism shows dominantly strike-slip faulting with a varying component of dip-slip. The nodal planes strike WNW-ESE and N-S. This is in reasonable agreement with the regional stress direction for the UK.

Near Middlesbrough, Cleveland, an earthquake with a magnitude of 2.7 ML occurred on 8 August. Earthquakes of this size are usually felt when they occur onshore but enquiries to local Police stations and post offices revealed that no felt reports were received. The depth (24.4 km) may have contributed to the lack of felt effects. This is an area that has experienced little seismicity in both the historical and instrumental periods, with only two events located since 1970 within 10 km of this event.

Fourteen earthquakes were detected in the Blackford area of Tayside during the year 2000, with magnitudes ranging between 0.4 and 2.1 ML. The largest occurred on 9 August and was felt in the Blackford and Glendevon areas of Tayside, where intensities reached at least 3 EMS. Felt reports described "the furniture moved" and "the building shook". This is an area that has continued to be active in recent years; 49 events occurred in 1997, of which five were felt by local residents; 10 events occurred in 1998, of which 2 were felt by local residents and 3 in 1999. In the same general area in 1979, a magnitude 3.2 ML Ochil Hills earthquake was felt with a maximum intensity of 5 EMS.

Seven events, with magnitudes ranging between 0.7 and 1.8 ML, occurred near Dumfries, Dumfries and Galloway. Two of these events with magnitudes of 1.2 and 1.8 ML were felt

by local residents in the Tinwald area of Dumfries and Galloway, where intensities reached at least 3 EMS.

Near Dollar, an earthquake with a magnitude of 1.1 ML, occurred on 25 September. Felt reports were received from the village of Rumbling Bridge, where intensities reached at least 3 EMS. Felt reports described "a rumbling beneath the feet", "felt a thud" and "the whole house shook". This is the first felt event in the Dollar area, since the magnitude 1.0 ML earthquake, on 25 August 1999, which was felt in the Forest Mill area, with intensities of at least 2 EMS.

An earthquake, with a magnitude of 1.4 ML, occurred near Mold, Clwyd on 3 November. Felt reports were received via the North Wales Environment Agency, Flintshire County Council and residents of Eryrys and Nercwys. Felt reports described "heard a tremendous bang", "like a boulder hitting the side of the house" and "ornamental plates on the shelves rattled", indicating an intensity of at least 4 EMS. This is the first felt event within 30 km of Mold, since the magnitude 4.5 ML Widnes earthquake, on 3 November 1976, which was felt with intensities of 4 EMS.

The coalfield areas of Yorkshire, Staffordshire, Mid Glamorgan, Northumberland and Nottinghamshire continued to experience shallow earthquake activity that is believed to be mining induced. Some 13 coalfield events, with magnitudes ranging between 0.8 and 1.9 ML, were detected during the year. Three of these were reported felt by local residents. The largest coalfield event (1.9 ML), occurred near Doncaster, South Yorkshire on 4 August. Felt reports were received via Yorkshire Television and residents of the Woodlands area of Doncaster, where intensities reached at least 5 EMS. Felt reports described "the walls shook" and "the whole street ran outside". This is an area that has experienced similar events in the past.

2. BULLETIN FORMAT

2.1 Tables

Data on the earthquakes and seismograph stations operated in 2000 are arranged as follows:

- **TABLE 1**:This is a chronological listing of all earthquakes in and near the UK for which
a reliable epicentral location could be obtained together with felt sonic events
and other significant non-natural events.
- **TABLE 2:** This is a listing of earthquakes arranged in order of decreasing latitude to facilitate identification of earthquakes in selected regions.
- **TABLE 3:** This is a chronological listing of felt sonic events and significant non-natural events detected by the seismograph network. These events are included in Table 1 but not Table 2.
- TABLES 4: This is an alphabetical listing of the geographical co-ordinates of seismograph stations operated in 2000 by BGS, DIAS (the Dublin Institute of Advanced Studies) and KUN (Keele University). Table 4a lists the short period instruments; Table 4b the BGS low gain stations and Table 4c the BGS strong motion instruments.
- **TABLE 5:**This lists the arrival times of phases for the events in Table 2 at each station,
together with amplitude information used for magnitude calculation.
- **TABLE 6:** This shows the crustal seismic velocity models used for event location.

2.2 Figures

- **FIGURE 1:** Seismograph network operational in December 2000.
- **FIGURE 2:** Detection threshold of the seismograph stations operational in December 2000 for average background noise conditions where the detection criterion is that the signal has to exceed 4 nanometers at 10 Hz on 4 stations.
- **FIGURE 3:** Epicentral location map of all the events in 2000 that are listed in Table 2. It is estimated that the dataset is complete for the land area.
- **FIGURE 4:** Locations of earthquakes in the UK of magnitude 2.5 ML and above in the period 1979 to 2000. It is estimated that the dataset is complete for the land area.
- **FIGURE 5:** Locations of earthquakes in the UK of magnitude 3.5 ML and above in the period 1970 to 2000.

3. THE BGS UK SEISMOGRAPH NETWORK

3.1 Instrumentation

A standard seismic network consists of up to ten 'outstation' vertical seismometers radiolinked over distances of up to 100 km to a central site. Here the data, along with that from a local 3-component set of two horizontal and one vertical seismometers, are recorded onto a digital event-triggered recorder (SEISLOG). It is designed to trigger on events and write to a computer disk which is accessed from Edinburgh via a modem. Four times a day, data is transferred automatically to the Edinburgh central computer and the events are analysed during that day providing a rapid response for location and magnitude determinations. All of the recording centres in the UK have been upgraded to provide a SEISLOG system (Figs 1 and 2). At some centres, a continuous back-up facility is provided by the traditional magnetic tape Geostore recorders, and tapes are dispatched weekly to Edinburgh for analysis. SEISLOGS have the advantage over the Geostore system by providing digital data, of wider dynamic range (72 db), a bandwidth of up to 40 Hz and the capacity for 32 seismic channels. The system also has the facility to auto-reboot in the event of mains power failure and this normally takes three minutes once power has recovered.

At some locations, on-line paper chart recorders display three channels to enable local operators to view earthquake data. At other stations, low-gain vertical seismometers extend the dynamic range of the system (by 34 db) to stronger motions, and low frequency microphones are used to aid the discrimination of sonic booms. In addition, strong motion accelerometers have been installed at locations throughout the country and record accelerations up to 0.1g. A digitally recorded broad-band station (Guralp) located in Edinburgh, provides an assessment of surface-wave (Richter magnitude) for large Global earthquakes.

Recent developments in geographic coverage of the UK are described in Walker (2001, in press) and details of the SEISLOG system, which has been jointly developed by Bergen university and BGS are given in Utheim and Havskov (1993).

3.2 Detection Threshold

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. For the BGS UK network, the lower limit of sensitivity is governed by the background noise level. The contours in Figure 2 illustrate the lower threshold magnitude for an earthquake to significantly exceed 4 nanometers of noise (average) at 10 Hz on at least four seismographs. Noise sources such as wind, waves, traffic and livestock vary considerably with time (typically 0.5 to 15 nanometers, at 10 Hz) causing the magnitude thresholds to increase or decrease. In conditions of high noise, 0.8 ML should be added to the contour values.

The detection contours in Figure 2 hold true only if all stations are continuously monitored. Small events in unmonitored areas may then go undetected unless they are felt and reported to BGS by local inhabitants. The detection capabilities by this process are strongly dependent on population density.

3.3 Environmental Monitoring

The infrastructure provided by the UK nationwide seismic monitoring network, comprising remote sensing stations linked to computers, is ideal for expansion into a full-spectrum environmental monitoring network (including pollution, radioactivity and climate). The remote sites required for seismic stations (in order to escape 'cultural' vibration noise from industry, towns, roads etc) are ideal for establishing environmental baselines, long-term trends, the effects of sudden release incidents and the long-range impacts of power stations, traffic and city emissions. The data-rate for seismics, at 100 samples per second per channel, is very high compared to the normal requirements of an environmental monitoring station. It has, therefore, proved to be relatively simple to provide for the transmission of 16 channels of environmental data, at 1 minute intervals, alongside the seismics. To demonstrate this, BGS has established several remote environmental stations, recording Ultra Violet-B, a full set of parameters, radioactivity, NOx, SO₂ and O₃ gases. At Eskdalemuir meteorological Observatory, in the Scottish Borders, a comprehensive system for environmental monitoring has been installed to prove this capability through an INTERNET connection with the wider community.

4. HYPOCENTRE PARAMETERS AND THEIR ERRORS

4.1 Epicentre Location

By accurately timing the signal onsets at a minimum of three stations, a location can be found for an earthquake which satisfies the observed pattern of arrivals. Instrumental locations in the bulletin were obtained using the computer program HYPO71 (Lee and Lahr, 1975) which iteratively adjusts a trial hypocentre (latitude, longitude, depth, and origin time) until the observed and computed arrival times coincide closely.

The accuracy of locations is dependent on distances from the closest stations, the distribution of the stations around the epicentre, the resolution to which signal onsets can be timed from the records, and the accuracy with which the seismic wave velocity through the earth can be modelled.

The velocity models used for the location of events in 2000 are given in Table 6 and were derived from a series of refraction profiles traversing Britain, LISPB (Bamford et al, 1976; Bamford et al, 1978; Assumpçao and Bamford, 1978 and Bott et al., 1985).

4.2 Depth Determination

The accurate determination of earthquake depth presents a more difficult problem, mainly because phase arrival patterns at the seismographs can still be satisfied for a large range of depths merely by adjusting the origin time to suit. Constraints on the depth can usually only be imposed when a station is very near the epicentre and even then the accuracy depends on the velocity model.

The best depth determinations have been obtained when an earthquake or earthquake series occurred almost beneath a network. For events at larger distances, and where the error columns (ERH and ERZ), in the tables, are blank, the depth errors can be up to tens of kilometres. The quality factor of the event, as listed in the tables (SQD), is an indication of the depth error. As a general guide only, A*A, A*B, B*A and possibly B*B class events, have reliable depths.

4.3 Seismicity Distribution

Owing to variability in the earthquake detection threshold, which is governed by ambient noise conditions and the geometry of the observing network (see 3.2), the bulletin is biased towards certain localities. In order to present a consistent picture of UK seismic activity, earthquakes with magnitude 2.5 ML or greater, in the period 1979 to 2000, have been plotted in Figure 4. The data set is considered complete for these magnitudes in all localities of the onshore area. Seismicity for the period 1970 to 2000 is shown in Figure 5 with a threshold magnitude of 3.5 ML. This is the period covered by BGS instrumentation which in the early years, only consisted of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL). The dataset is likely to be complete for such magnitudes.

4.4 Magnitude

All earthquakes in the bulletin have been assigned a local magnitude (ML) as defined by Richter (1935):

$$ML = log10 (A/Ao)$$

where A is the maximum deflection (centre to peak in mm) registered by the earthquake on a Wood-Anderson seismograph and Ao is that for a 'standard' magnitude zero earthquake at the same distance. The Ao term is thus a distance correction factor tabulated by Richter out to 200 km, and later adjusted to include up to 600 km. Although Richter intended his method to be an approximate quantification of earthquake size and his attenuation term, Ao, strictly only applies to California, the formula is still used world-wide today. The ML magnitudes in this bulletin have been calculated according to Richter by converting the output of the BGS instruments to an equivalent Wood-Anderson deflection. Ideally, the measurements are made on two horizontal instruments and averaged but, if this was not possible, the mean of the magnitudes from a number of verticals has been used. Ground motion registered at a seismograph varies with site conditions, direction from the earthquake, and the nature of the ray path. Consequently, it is important to take the mean from a good distribution of stations. The resulting errors on magnitudes quoted in the bulletin will normally be less than 0.4 ML.

4.5 Intensity

Intensity is a measure of the effect of the shaking on people, structures and objects. It decreases with distance from a maximum value (Imax) usually found close to the epicentre. The maximum felt intensity is quoted, where known, on the European Macroseismic Scale (EMS), (Grünthal, 1998).

5. BULLETIN CONTENT AND COMPLETENESS

5.1 The Geographical Area

The bulletin covers all of the UK land mass and its coastal waters including the North Sea to 800 kmE and 1500 kmN.

5.2 Events Included

All events believed to be of true tectonic origins have been included, that is, events caused by natural stresses within the earth.

Coalfield events are also included. These are small events occurring near coal workings which are believed to be caused by the redistribution of stress as the coal is extracted and, in some cases by collapse in old workings. They are indicated by C/F in the comments column of Tables 1, 2 and 5.

Acoustic disturbances, such as sonic booms from supersonic aircraft, are included when they are felt. The air-borne waves are readily identified by their slow travel time across an array or by their signature on a microphone but they are frequently reported by local people as small earthquakes. They are indicated by 'SONIC' in both the locality and comments column of Tables 1 and 3. There was one felt sonic event reported during the year. It occurred on 20 January in the Grampian region of Scotland. Numerous felt reports received from residents throughout the Grampian region who described "the windows rattled", "the door rattled" and "heard a loud bang". RAF flying complaints were contacted and confirmed that a RAF Tornado was operational in the area at the time.

Significant non-natural events which received media attention or were greater than magnitude 2.5 ML and felt explosions are also included in Tables 1 and 3. The felt explosions are indicated by 'EXPL' in both the locality and comments column. There was one felt explosion reported during the year on 30 August in Largo Bay, Fife. The coastguard confirmed that a 300lb ordnance charge was detonated at the time.

5.3 Events Excluded

Events that are known, or suspected to be of explosive origin, are excluded from the bulletin. Explosions due to quarrying, mining, weapon testing or disposal, naval exercises, geophysical prospecting and civil engineering are all excluded where possible, unless they are greater than 2.5 ML or reported to be felt. Unfortunately, identification by record character, location and time of occurrence is not always conclusive and some man-made events may have been included in the bulletin or, more rarely, a small natural event may have been excluded.

5.4 Completeness

The contours of detection threshold in Figure 2 show that the whole of the UK is covered by the seismograph network for approximately magnitude 1.5 ML, and above, at times of average ambient noise levels. High noise levels may cause this threshold to rise to about 2.3 ML. Normally, however, an earthquake of this size would be felt, if not detected, in the areas of poorer instrumental coverage. The bulletin can, therefore, be assumed to be complete for all earthquakes of magnitude 2.3 ML and above.

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YEAR	AUTHOR(S)	BGS REPORT NO.
89/90	Browitt, CWA and Turbitt, T	WL/90/13
90/91	Browitt, CWA and Turbitt T	WL/91/26
91/92	Browitt, CWA and Turbitt T	WL/92/11
92/93	Browitt, CWA and Walker, AB	WL/93/08
93/94	Walker, AB and Browitt, CWA	WL/94/10
94/95	Walker, AB and Browitt, CWA	WL/95/10
95/96	Walker, AB and Browitt, CWA	WL/96/06
96/97	Walker, AB	WL/97/16
97/98	Walker, AB	WL/98/03
98/99	Walker, AB	WL/99/03
99/00	Walker, AB	WL/00/03

UK Earthquake Monitoring Annual Reports

TABLE 1

CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 2000

KEY TO BULLETIN ENCODING

YearMoDy	:	Year, month and day of event.
HrMn Secs	:	Time of occurrence of event in hours, mins and secs, (UTC).
Lat	:	Latitude of the event, positive latitude indicates north.
Lon	:	Longitude of the event, neg ative longitude indicates west.
kmE	:	UK National Grid Reference in kilometres east of grid origin.
kmN	:	UK National Grid Reference in kilometres north of grid origin.
Dep	:	Depth of the hypocentre in kilometres.
Mag	:	Richter local magnitude of the event.
Locality	:	A geographical indication of the epicentral area, usually the nearest town
		followed by the region. A key to the abbreviations used in the locality column are given below.
Int	:	Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the maximum EMS intensity produced by the event.
Comments	:	Additional comments about the event eg : C/F, see below under comments abbreviations.

The following abbreviations are extracted from the output of the location program HYPO71 (Lee and Lahr, 1975)

No	:	Total number of P and S readings used in the event location.
DM	:	Epicentral distance in kilometres to the closest station.
Gap	:	Largest azimuthal separation in degrees between stations.
RMS	:	Root Mean Square of the travel -time residuals in seconds.
ERH	:	Standard error of the epicentre in kilometres. When this column is blank,
		the error is large and indeterminate.
ERZ	:	Standard error of the focal depth in kilometres. When this column is blank,
		the error is large and indeterminate.
SQD	:	S is quality factor ascribed to RMS, D is quality ascribed to number and
		distribution of stations.

Locality abbreviations

Sonic Expl D & G Gtr Her & Worcs	:	Explosion Dumfries and Galloway	N Yorkshire Notts Lincs N'umberInd Staffs	: : :	North Yorkshire Nottinghamshire Lincolnshire Northumberland Staffordshire
S'Clyde S Yorkshire New-U-Lyme Penin	::	South Yorkshire Newcastle-Under-Lyme	Leics W Mids Salop	:	Leicestershire West Midlands Shropshire

Comments abbreviations

Sonic	: Sonic boom
Expl	: Explosion
C/F	: Coalfield type event
	: and felt elsewhere

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY:2000

YearMoDy HrMnSecs La	t Lon	kmE	kmN	Dep	Mag	Locality	Int	No DM	Gap	RMS	ERH	ERZ SQD	Comments
20000107 221638.4 55.0	9 -3.63	295.8	579.0	10.3	1.8	DUMFRIES,D & G	2+	89	134	0.04	0.4	0.9 A*B	FELT TINWALD
20000110 040957.8 53.0	4 -4.20	252.3	351.7	10.6	0.7	CAERNARVON, GWYNEDD		9 11	125	0.05	0.3	1.3 A*B	11km se of caernarvon
20000112 093549.0 52.1	1 -2.40	372.3	246.2	6.4	1.6	GREAT MALVERN, HER & WOR	t l	8 13	243	0.09	1.0	2.4 B*D	
20000116 055658.8 57.0	5 -5.57	183.4	801.4	7.3-	-0.1	KNOYDART, HIGHLAND		5 20	199	0.12	8.9	8.1 D*D	
20000117 194010.8 56.2	2 -3.77	290.5	704.4	5.2	0.9	BLACKFORD, TAYSIDE		6 16	147	0.27	2.7	4.1 C*C	
20000120 103536.0						SONIC-GRAMPIAN	3+						SONIC-FELT ELGIN
20000120 141051.0 51.6	1 -3.62	287.5	191.8	11.4	1.8	SONIC-GRAMPIAN MAESTEG,MID GLAMORGAN LOCH LEVEN,HIGHLAND DUMFRIES,D & G BLACKFORD,TAYSIDE		7 40	104	0.04	0.9	18.9 C*C	
20000120 234129.6 56.6	8 -5.15	207.3	758.6	4.9	1.2	LOCH LEVEN, HIGHLAND		5 19	268	0.05	2.9	3.7 C*D	
20000121 060257.3 55.0	9 -3.63	296.1	578.6	10.1	1.1	DUMFRIES,D & G		9 10	132	0.05	0.3	0.8 A*B	
20000122 122530.7 56.2	5 -3.76	291.2	707.3	4.6	1.9	BLACKFORD, TAYSIDE LOCH MORAR, HIGHLAND		10 15	106	0.05	0.3	0.6 A*C	
20000122 134315.6 56.9	7 -5.51	186.7	792.2	14.8	0.7	LOCH MORAR, HIGHLAND		5 20	241	0.13	0.8	2.9 B*D	
20000124 003528.1 52.1	2 -2.41	371.6	246.9	6.4	0.7	GREAT MALVERN, HER & WOR	2	6 13	242	0.06	1.1	2.7 B*D	
20000125 104813.7 53.6	4 -2.47	369.0	416.0	8.0	2.0	BOLTON,GTR MANCHESTER		9 42	89	0.11	0.6	C*C	
20000203 042244.4 51.3	8 -2.77	346.2	165.0	2.3	0.8	BRISTOL, AVON	4+	69	193	0.35	1.2	0.6 C*D	FELT FLAX BOURTON
20000211 021617.9 54.5	8 3.61	762.4	534.9	20.0	3.2	SOUTHERN NORTH SEA		16249	279	0.23	7.5	11.2 D*D	
20000212 085128.5 55.9	1 -5.31	193.1	673.5	8.8	2.7	LOCHGILPHEAD,S'CLYDE	5+	13 36	135	0.11	0.5	2.9 B*C	FELT KAMES
20000212 185106.2 52.3	5 -3.95	267.5	274.4	4.4	2.0	ABERYSTWYTH, DYFED		12 37					7km se of aberystwyth
20000214 003254.2 52.8	1 -0.95	470.9	324.3	12.0	0.8	MELTON MOWBRAY, LEICS		4 11	196	0.01		A*D	6KM NW OF MELTON MOWBRAY
20000214 044245.6 53.1	3 -0.83	478.2	360.2	1.0	1.1	NEWARK-ON-TRENT, NOTTS		4 48	290	0.27		B*D	C/F
20000216 060251.5 55.8	8 -5.92	154.6	671.8	12.5	2.2	MELTON MOWBRAY,LEICS NEWARK-ON-TRENT,NOTTS JURA,STRATHCLYDE		9 63	175	0.17	1.9	4.4 B*D	
20000220 055451.4 54.7	6 -2.11	392.7	540.7	11.8	1.1	STANHOPE, DURHAM		13 13	124	0.08	0.5	1.0 A*B	7km west of stanhope
20000220 093152.3 56.2	0 -4.10	269.7	702.6	4.6	2.3	DOUNE, CENTRAL	4+	14 15	132	0.04	0.2	0.4 A*C	FELT DOUNE
20000224 010033.6 53.0	4 -2.20	386.7	348.7	3.7	1.7	NEWCASTLE-U-LYME, STAFFS	5	624	163	0.04	0.5	0.9 A*C	
20000303 075649.9 57.0	6 -5.70	175.6	802.5	9.6	0.8	KNOYDART, HIGHLAND		4 17	180	0.10		A*D	
20000306 220631.6 54.7	7 -2.84	345.8	542.4	11.8	0.5	KNOYDART, HIGHLAND CALTHWAITE, CUMBRIA SHREWSBURY, SHROPSHIRE OLLERTON, NOTTS SANDBACH, CHESHIRE		13 7	129	0.09	0.5	0.9 A*B	
20000313 211404.1 52.8	3 -2.68	354.1	325.6	13.4	0.8	SHREWSBURY, SHROPSHIRE		637	147	0.05	0.9	2.1 B*C	12KM NNE OF SHREWSBURY
20000315 043440.2 53.2	0 -1.04	464.2	367.5	1.0	0.9	OLLERTON, NOTTS		5 33	279	0.31	11.9	9.3 D*D	C/F
20000317 020556.6 53.1	4 -2.33	378.1	360.5	11.2	0.9	SANDBACH, CHESHIRE		11 35	118	0.16	0.9	4.0 B*C	
20000317 095725.0 53.0	4 -3.79	280.3	350.5	14.5	0.4	BETWS-Y-COED,GWYNEDD		8 26	131	0.04	0.5	2.6 B*B	6KM S OF BETWS-Y-COED
20000320 085041.3 53.2	2 -4.77	215.1	372.4	17.3	0.3	CAERNARVON BAY, GWYNEDD		7 14	261	0.07	2.2	1.9 B*D	15KM SW OF HOLYHEAD
20000320 153838.9 55.0	9 -3.62	296.5	578.3	10.2	0.9	DUMFRIES,D & G		8 10	129	0.07	0.5	1.4 A*B	
20000320 215456.4 55.0	9 -3.62	296.6	578.4	10.0	0.9	DUMFRIES,D & G		9 10	128	0.07	0.4	1.1 A*B	
20000321 052313.8 54.2	7 -3.61	295.4	487.4	9.2	1.0	IRISH SEA		8 20	166	0.07	1.2	6.2 C*C	
20000322 013509.1 51.6	8 -3.23	315.0	199.1	1.0	1.4	BARGOED, MID GLAMORGAN		8 30	80	0.14	0.7	1.9 A*C	C/F
20000324 205853.8 52.9	0 -2.55	363.3	333.6	5.3	1.9	MARKET DRAYTON, SALOP		8 48	149	0.05	0.5	4.1 B*C	
20000326 154328.9 56.2	4 -3.75	291.7	707.2	5.4	0.9	BLACKFORD, TAYSIDE		7 15	105	0.07	0.9	1.8 A*C	
20000327 020149.0 56.2	1 -4.11	269.0	703.4	4.6	1.7	DOUNE, CENTRAL		12 14	137	0.07	0.4	0.7 A*C	
20000331 052110.0 56.2	5 -3.76	291.2	707.6	5.1	0.6	BLACKFORD, TAYSIDE		8 15	107	0.07	0.5	0.8 A*C	
20000401 102213.4 57.5	1 -5.52	189.0	852.1	7.3	0.8	TORRIDON, HIGHLAND		4 14	253	0.05		A*D	4KM SOUTH OF TORRIDON
20000401 201507.1 52.8	8 -2.61	359.0	331.8	10.7	1.4	MARKET DRAYTON, SALOP		9 4 4	121	0.14	0.9	C*C	7KM W OF MARKET DRAYTON
20000402 084047.6 49.8	7 -5.18	171.2	1.7	12.7	1.7	LIZARD POINT, CORNWALL		10 20	308	0.07	1.3	2.7 B*D	SOUTH OF LIZARD POINT
20000405 164144.5 56.2	0 -4.11	269.0	703.2	4.6	1.2	SANDBACH, CHESHIRE BETWS-Y-COED, GWYNEDD CAERNARVON BAY, GWYNEDD DUMFRIES, D & G DUMFRIES, D & G IRISH SEA BARGOED, MID GLAMORGAN MARKET DRAYTON, SALOP BLACKFORD, TAYSIDE DOUNE, CENTRAL BLACKFORD, TAYSIDE TORRIDON, HIGHLAND MARKET DRAYTON, SALOP LIZARD POINT, CORNWALL DOUNE, CENTRAL ABERGAVENNY, GWENT		8 14	136	0.08	0.6	1.0 A*C	
20000406 201651.1 51.8	9 -2.97	332.9	222.0	15.0	0.8	ABERGAVENNY,GWENT		7 12	158	0.15	0.6	1.4 A*C	7KM NORTH OF ABERGAVENNY

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY:2000 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No DM	Gap	RMS	ERH	ERZ	SQD	Comments
20000410	045450.5	54.96	-2.52	366.9	563.2	0.0	1.1	HALTWHISTLE, N'UMBERLND		9 12		0.05		0.3	A*D	C/F
20000410	211658.7	52.79	-1.12	459.4	321.4	27.0	1.3	LOUGHBOROUGH,LEICS		7 11	136	0.05	0.6	0.6		
20000411	021751.8	52.91	-2.41	372.6	334.7	8.8	1.9	MARKET DRAYTON, SALOP		6 40	147	0.17	2.0		C*C	
20000411	022613.5	59.23	2.09	633.41	044.8	8.1	2.1	NORTHERN NORTH SEA OLLERTON,NOTTS FORT WILLIAM,HIGHLAND MONMOUTH,GWENT		16180	176	0.20	1.4	2.0	B*D	
20000411	182315.2	53.17	-1.01	465.9	364.7	1.0	1.1	OLLERTON, NOTTS		5 35	205	0.24	7.1	9.8	D*D	C/F
20000414	192733.5	56.84	-4.90	223.3	775.7	12.1	2.1	FORT WILLIAM, HIGHLAND		85	127	0.07	0.8	0.8	A*B	12KM E OF FORT WILLIAM
20000418	172957.4	51.86	-2.77	346.7	217.8	16.7	0.7	MONMOUTH, GWENT		7 22	147	0.04	0.3	1.2	A*C	7 KM NW OF MONMOUTH
20000422	001833.7	57.64	-5.64	183.0	866.7	3.2	1.8	GAIRLOCH, HIGHLAND		15 25						10KM SOUTH OF GAIRLOCH
20000424	051055.7	54.77	-2.81	347.6	541.5	13.8	2.6	CALTHWAITE, CUMBRIA	3+							FELT CALTHWAITE
								NORTHERN NORTH SEA		15 66						-
								UPPINGHAM, LEICS				0.10				6KM SW OF UPPINGHAM
20000503	004757.2	52.94	-4.36	241.7	341.2	24.5	0.0	LLEYN PENIN, GWYNEDD		9 6	103	0.08	0.6	1.8	A*B	
20000503	182011.6	53.22	-1.07	462.0	370.0	1.0	1.3	MARKET WORSOP, NOTTS		7 31	118	0.30	1.8	4.6	C*C	C/F
20000505	045217.1	60.73	2.61	651.31	214.3	16.8	3.6	NORTHERN NORTH SEA		17122	149	0.19	1.2	4.8	B*D	
20000505	050901.6	60.69	2.62	651.91	209.8	10.8	1.8	NORTHERN NORTH SEA		13123	147	0.29	1.9	4.4	B*D	
20000509	005533.8	52.92	-1.62	425.5	335.8	7.6	1.7	DERBY, DERBYSHIRE		7 18	173	0.06	0.5		C*C	10KM WEST OF DERBY
20000516	233002.3	53.53	-4.31	247.1	406.8	16.9	0.2	IRISH SEA		7 15	188	0.04	0.8	1.1	A*D	13KM NORTH OF ANGLESEY
20000518	150820.3	53.49	-0.63	491.1	400.3	18.8	1.9	GAINSBOROUGH, LINCS		5 20	187	0.07	0.1	0.1	A*D	
20000520	161654.3	52.74	-5.02	196.0	319.7	10.6	2.3	IRISH SEA		II 29	215	0.09	1.0	0.8	A*D	20KM SW OF LLEYN PENIN
20000526	200945.5	51.97	-3.5/	292.0	230.9	14.2	1.6	SENNYBRIDGE, POWYS		9 24	124	0.14	0.8	1.2	A*B	
20000529	050427.7	55.10	-3.63	296.1	5/9.2	10.7	0.7	DUMFRIES, D & G		99	131	0.06	0.4	0.9	A^B A*D	
20000601	143/2/.5	57.49	-5.23	206.7	848.4	1.4	0.9	LLEYN PENIN,GWYNEDD MARKET WORSOP,NOTTS NORTHERN NORTH SEA NORTHERN NORTH SEA DERBY,DERBYSHIRE IRISH SEA GAINSBOROUGH,LINCS IRISH SEA SENNYBRIDGE,POWYS DUMFRIES,D & G GLEN CARRON,HIGHLAND DEVIL'S BRIDGE,DYFED LAKE THIRLMERE,CUMBRIA BLACKFORD,TAYSIDE		4 5	212	0.02	0 0	1 2	A^D D*D	
20000606	115818.4	52.43	-3./8	2/8.9 222 E	283.1 514 4	10.0	1.5	DEVIL'S BRIDGE, DYFED		13 15 0 0	224	0.16	0.8	1.3	B^B B^B	
20000607	112626 E	54.5Z	-3.04	332.5 201 2	514.4 707 4	10.9	⊥•⊥ 1 1	BLACKFORD, TAYSIDE		8 9 0 1 E	234	0.05	0.9	1.0	A^D A*C	
20000611	113626.3	50.25	-3.70	291.2 220 E	212 1	4.0	1.1	LLEYN PENIN,GWYNEDD		0 70		0.05				
20000012	065425 4	52.90	-4.59	102 2	242.4 707 0	6 0	1 1	LLEIN PENIN, GWINEDD		0) 5)1						
20000013	122727 0	57.02	2 75	192.2 201 5	707 0	6.0	1 0	LOCH QUOICH,HIGHLAND BLACKFORD,TAYSIDE		0 15	21U 107	0.11	0.2	2.7 0.7	D"D 3*C	
								BROMYARD, HER & WOR				0.04				6KM SOUTH OF BROMYARD
																FELT LLANBERIS
								HAWICK, BORDERS	4+	$11 \ 12 \ 11$						18KM WSW OF HAWICK
								ARRAN, STRATHCLYDE				0.08				5KM SOUTH OF ARRAN
								ROTHERHAM, S YORKSHIRE	3.							C/F,FELT SPOTSWOOD
								TORRIDON, HIGHLAND	JŦ		257		4.0		A*D	C/F,FEBI STOTSWOOD
								APPIN, STRATHCLYDE	3.1				06			FELT APPIN
								STONE, STAFFORDSHIRE	JŦ			0.03				
								OLEN GADDON LITCULTAND		1 0	210	0 01			7 * D	C/1
								NORWEGIAN SEA		12216	264	0.01	6 1	75	 	
20000703	083634 6	57 51	-5 51	189 7	852 6	13 5	0 4	TORRIDON, HIGHLAND		5 13	255	0.27	2 4	3.6	B*D	8KM SOUTH OF TORRIDON
20000703	084118 7	59.37	1 67	608 21	059 8	14 9	1 7	GLEN CARRON, HIGHLAND NORWEGIAN SEA TORRIDON, HIGHLAND NORTHERN NORTH SEA CAERNARVON BAY, GWYNEDD ROTHERHAM, S YORKSHIRE NORTHERN NORTH SEA DODMAN POINT, CORNWALL		5179	343	0.35	4.1	5.0	ם*ח	Star 500111 OF TORREDON
20000704	042154 7	53 02	-4 54	229 9	349 7	15 6	0 5	CAERNARVON BAY GWYNEDD		8 8	157	0 07	0.9	14	A*C	
20000705	230954 0	53.44	-1.15	456.3	393.9	- 5.0	1.5	ROTHERHAM, S. YORKSHIRE		7 32	116	0.13	1.0	2.4	B*C	C/F,10KM E OF ROTHERHAM
20000710	090601.4	61.09	2.37	635.31	252.8	22.5	2.2	NORTHERN NORTH SEA		15129	176	0.19	1.2	2.3	B*D	s, , , , , , , , , , , , , , , , , , ,
20000712	194852.3	50.02	-4.45	224.8	16.5	5.6	1.7	DODMAN POINT CORNWALL		8 49	314	0.05	2.0	19.9	C*D	25km se of dodman point
20000713	232046 7	55.09	-3.63	296.1	578.5	11.0	1.0	DUMFRIES, D & G		9 10	132	0.06	0.4	0.9	A*B	Lotat DE OF DODIARY FOINT
20000710							-• ~	, ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		0			· • ±			

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY:2000 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
20000714	212524.3	52.63	-2.55	362.9	303.9	5.9	1.4	TELFORD, SHROPSHIRE		11	26	106	0.07	0.3	0.6	A*C	
20000715	034300.2	53.54	-1.16	455.8	405.7	0.3	1.7	DONCASTER,S YORKSHIRE	2+	5	59	285	0.25	18.8	10.8	D*D	C/F,FELT SCAWTHORPE
20000717	020602.6	49.54	-4.93	188.0	-36.0	15.0	0.9	ENGLISH CHANNEL		5	59	355	0.21			D*D	
								DUMFRIES,D & G	3+	9	9	132	0.07	0.5	1.1	A*B	FELT TINWALD
								MANSFIELD,NOTTS					0.40			C*D	C/F,6KM SW OF MANSFIELD
								CAERNARVON BAY, GWYNEDD		6	16	179	0.06	1.1	2.9	B*C	
								WHARFDALE,N YORKSHIRE						1.9			
								CAERNARVON BAY, GWYNEDD					0.05	1.0	3.5	B*D	
								ARISAIG, HIGHLAND					0.03				10KM SOUTH OF ARISAIG
								DONCASTER, S YORKSHIRE									C/F, FELT DONCASTER
								JERSEY, CHANNEL ISLANDS		6	19	338	0.02	0.9	0.4	A*D	
								SHIEL BRIDGE, HIGHLAND					0.26		0.2		
													0.26			C*C	
								MIDDLESBROUGH, CLEVELAND									8KM NW OF MIDDLESBROUGH
									4+				0.05				FELT BLACKFORD
								BRISTOL CHANNEL						1.4	4.4		
								NORWEGIAN COAST					0.21			D*D	
								JERSEY, CHANNEL ISLANDS					0.01		0.3		
								BUXTON, DERBYSHIRE						1.6	2.6		7KM SOUTH OF BUXTON
								ARRAN, STRATHCLYDE					0.15			C*C	3KM SOUTH OF ARRAN
								OFF ANGLESEY, GWYNEDD					0.02				5KM NORTH OF ANGLESEY
								CAERNARVON BAY, GWYNEDD					0.07				
								CAERNARVON BAY, GWYNEDD					0.05				
								ARRAN, STRATHCLYDE						0.8			
								EXPL-LARGO BAY, FIFE	2+					0.3	0.7		FELT LEVEN
								NORWEGIAN COAST					0.18	1 6		D*D	
20000906	002612.3	57.58	-5.49	191.7	860.3	5.2	0.6	TORRIDON,HIGHLAND LLEYN PENIN,GWYNEDD		7			0.22				4KM NORTH OF TORRIDON
20000910	065255.2	52.97	-4.41	238.4	343.6	21.9	0.4	LLEYN PENIN, GWYNEDD		8				0.7			
								SOLWAY FIRTH APPLEBY,CUMBRIA		9	1/	239	0.09	1.0	2.7	B∡D	
								APPLEBY, CUMBRIA		8	35	311	0.13	2.1	9.7	C*D	
								CONSTANTINE, CORNWALL		9	3	84	0.02	0.2	0.3	A*A	
								LLEYN PENIN,GWYNEDD LLEYN PENIN,GWYNEDD					0.04				
								SHEFFIELD, S YORKSHIRE					0.03	0.2	0.5		C/E CWM N OF CURRETED
								LOCH NEVIS, HIGHLAND					0.07	0 0	1 /		C/F,6KM N OF SHEFFIELD
								WARWICK, WARWICKSHIRE	5								FELT WARWICK
								STRATHCARRON, HIGHLAND	5				0.21	1.0	1.0	A*D	FELI WARWICK
								DOLLAR, CENTRAL	2+				0.04	0.2	0.4		FELT RUMBLING BRIDGE
								EAST OF SHETLAND	Δ+				0.05				46KM SE OF SANDWICK
								WELSHPOOL, POWYS					0.03				6KM NW OF WELSHPOOL
													0.12				OTTA NAM OF WELISHFOOL
								IRISH SEA					0.00				65KM SW OF HOLYHEAD
								NORTH ANGLESEY, GWYNEDD					0.22				USIGI DW UT HUDTHEAD
								SKAGERRAK						7.0			
								NEWQUAY, CORNWALL									9km ne of newouay
20001020	000100.0	50.50	ユ・ノノ	10/./	1 2	,	0.9	1121120111, COLUMNITED		0	τU	200	0.00	1.7	5.5		Star top of topogotit

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY:2000 continued

Yea	arMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No DM	Gap	RMS	ERH	ERZ SQD	Comments
200	01103	003208.8	53.16	-3.04	330.8	362.9	9.9	1.4	MOLD,CLWYD	4+	9 59	308	0.09	1.7	1.2 B*D	FELT MOLD
200	01109	160816.9	62.26	2.24	620.01	383.1	5.9	2.8	NORTHERN NORTH SEA		12165	254	0.31	7.6	8.0 D*D	
200	01122	055148.5	57.55	-5.54	188.3	856.8	6.5	0.5	TORRIDON, HIGHLAND		6 16	139	0.10	1.1	1.6 B*C	5KM WEST OF TORRIDON
200	01130	030719.8	54.21	-1.88	408.1	479.4	7.6	1.6	MIDDLEHAM,N YORKSHIRE		11 33	126	0.12	0.9	C*C	10km sw of middleham
200	01204	113614.8	59.87	-2.55	369.11	109.5	11.6	1.9	WEST OF SHETLAND		8 67	202	0.06	1.1	1.3 B*D	65KM WEST OF SHETLAND
200	01208	004805.9	60.16	4.64	767.91	160.5	10.9	4.2	NORWEGIAN COAST	5+	24 35	90	0.54	2.4	2.7 D*C	FELT BERGEN
200	01208	055401.6	59.94	1.93	619.71	124.1	10.3	4.6	NORTHERN NORTH SEA	3+	18175	125	0.39	2.7	4.4 C*D	FELT BRUCE FIELD
200	01213	051726.4	55.64	-6.15	138.6	645.9	9.1	2.0	ISLAY, INNER HEBRIDES		6 48	257	0.05	1.8	16.7 C*D	
200	01215	134205.8	55.11	-3.61	297.5	580.9	7.4	0.9	DUMFRIES,D & G		68	186	0.06	1.7	3.9 B*D	
200	01217	002746.3	56.25	-3.76	291.1	707.7	5.4	1.8	BLACKFORD, TAYSIDE		8 15	191	0.08	0.7	1.1 A*D	
200	01217	030636.3	56.25	-3.76	291.3	707.7	5.5	1.3	BLACKFORD, TAYSIDE		7 15	191	0.10	1.1	1.5 B*D	
									NORTHERN NORTH SEA		5195	343	0.50		D*D	
200	01221	235309.1	53.52	1.85	655.2	410.0	8.6	3.4	SOUTHERN NORTH SEA		8 82	257	0.21	9.7	12.4 D*D	100KM N OF GT YARMOUTH
200	01222	051925.1	59.93	1.95	620.81	122.7	15.8	1.9	NORTHERN NORTH SEA		6176	317	0.28		D*D	
200	01222	194949.0	50.48	-4.21	243.0	67.4	5.0	1.5	BERE ALSTON, CORNWALL		5 50	341	0.19		D*D	
									BLACKFORD, TAYSIDE		7 16	154	0.04	0.4	0.7 A*C	
									BLACKFORD, TAYSIDE						1.6 B*D	
200	01225	172624.9	56.25	-3.76	291.2	708.0	5.8	0.6	BLACKFORD, TAYSIDE		6 15	155	0.04	0.4	0.8 A*C	
									BLACKFORD, TAYSIDE		9 15	107	0.05	0.3	0.7 A*C	
									ISLAY, INNER HEBRIDES		7 89	335	0.15	6.8	11.6 D*D	7km offshore
200	01228	055125.9	56.24	-3.76	291.1	707.2	3.5	0.4	BLACKFORD, TAYSIDE		7 15	106	0.05	0.4	1.0 A*C	
200	01228	055533.5	60.03	1.79	611.01	132.8	10.0	2.2	NORTHERN NORTH SEA		6165				D*D	
200	01228	055658.0	59.93	1.80	612.31	122.6	15.0	3.3	NORTHERN NORTH SEA		10168	170	0.36	6.0	9.1 D*D	
									ISLAY, INNER HEBRIDES		5 89	334	0.05	2.9	2.0 C*D	
200	01229	050157.3	59.66	1.71	608.91	091.3	17.1	2.3	NORTHERN NORTH SEA		7170	180	0.14	3.5	4.2 C*D	

TABLE 2

CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 2000

KEY TO BULLETIN ENCODING

YearMoDy	:	Year, month and day of event.
HrMn Secs	:	Time of occurrence of event in hours, mins and secs, (UTC).
Lat	:	Latitude of the event, positive latitude indicates north.
Lon	:	Longitude of the event, neg ative longitude indicates west.
kmE	:	UK National Grid Reference in kilometres east of grid origin.
kmN	:	UK National Grid Reference in kilometres north of grid origin.
Dep	:	Depth of the hypocentre in kilometres.
Mag	:	Richter local magnitude of the event.
Locality	:	A geographical indication of the epicentral area, usually the nearest town
		followed by the region. A key to the abbreviations used in the locality column are given below.
Int	:	Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the maximum EMS intensity produced by the event.
Comments	:	Additional comments about the event eg : C/F, see below under comments abbreviations.

The following abbreviations are extracted from the output of the location program HYPO71 (Lee and Lahr, 1975)

No	:	Total number of P and S readings used in the event location.
DM	:	Epicentral distance in kilometres to the closest station.
Gap	:	Largest azimuthal separation in degrees between stations.
RMS	:	Root Mean Square of the travel -time residuals in seconds.
ERH	:	Standard error of the epicentre in kilometres. When this column is blank,
		the error is large and indeterminate.
ERZ	:	Standard error of the focal depth in kilometres. When this column is blank,
		the error is large and indeterminate.
SQD	:	S is quality factor ascribed to RMS, D is quality ascribed to number and
		distribution of stations.

Locality abbreviations

Sonic Expl D & G Gtr Her & Worcs	:	Explosion Dumfries and Galloway	N Yorkshire Notts Lincs N'umberInd Staffs	: : :	North Yorkshire Nottinghamshire Lincolnshire Northumberland Staffordshire
S'Clyde S Yorkshire New-U-Lyme Penin	::	South Yorkshire Newcastle-Under-Lyme	Leics W Mids Salop	:	Leicestershire West Midlands Shropshire

Comments abbreviations

Sonic	: Sonic boom
Expl	: Explosion
C/F	: Coalfield type event
	: and felt elsewhere

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE:2000

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No DM	Gap	RMS	ERH	ERZ	SQD	Comments
								NORWEGIAN SEA		12216	264	0.27	6.1	7.5	D*D	
20001109	160816.9	62.26	2.24	620.01	383.1	5.9	2.8	NORTHERN NORTH SEA		12165	254	0.31	7.6	8.0	D*D	
20000427	214408.9	61.49	3.82	709.71	303.9	10.3	2.9	NORTHERN NORTH SEA		15 66	191	0.37	2.3	1.9	C*D	
20000710	090601.4	61.09	2.37	635.31	252.8	22.5	2.2	NORTHERN NORTH SEA		15129	176	0.19	1.2	2.3	B*D	
20000505	045217.1	60.73	2.61	651.31	214.3	16.8	3.6	NORTHERN NORTH SEA		17122	149	0.19	1.2	4.8	B*D	
20000505	050901.6	60.69	2.62	651.91	209.8	10.8	1.8	NORTHERN NORTH SEA		13123	147	0.29	1.9	4.4	B*D	
20001208	004805.9	60.16	4.64	767.91	160.5	10.9	4.2	NORWEGIAN COAST	5+	24 35	90	0.54	2.4	2.7	D*C	FELT BERGEN
								NORTHERN NORTH SEA		6165					D*D	
20001001	011354.5	59.94	-0.43	487.61	118.1	5.2	1.0	EAST OF SHETLAND		746	309	0.05	4.3	10.0	C*D	46KM SE OF SANDWICK
								NORTHERN NORTH SEA	3+				2.7	4.4		FELT BRUCE FIELD
								NORTHERN NORTH SEA		6176					D*D	
								NORTHERN NORTH SEA		10168						
										8 67			1.1	1.3		65KM WEST OF SHETLAND
20000812	142726.2	59.73	5.37	813.81	116.7	15.0	4.5	NORWEGIAN COAST NORTHERN NORTH SEA		9372	312	0.21			D*D	
20001219	093544.3	59.68	2.18	635.21	095.3	14.6	2.2	NORTHERN NORTH SEA		5195	343	0.50			D*D	
20001229	050157.3	59.66	1.71	608.91	091.3	17.1	2.3	NORTHERN NORTH SEA NORTHERN NORTH SEA NORWEGIAN COAST		7170	180	0.14	3.5	4.2		
20000703	084118.7	59.37	1.67	608.21	059.8	14.9	1.7	NORTHERN NORTH SEA		5179	343	0.35			D*D	
20000901	114837.7	59.24	5.73	840.41	064.4	15.0	3.3	NORWEGIAN COAST		8375	333	0.18			D*D	
20000411	022613.5	59.23	2.09	633.41	044.8	8.1	2.1	NORTHERN NORTH SEA		16180	176	0.20	1.4	2.0	B*D	10KM SOUTH OF GAIRLOCH
20000422	001833.7	57.64	-5.64	183.0	866.7	3.2	1.8	GAIRLOCH, HIGHLAND		15 25	65	0.23	0.9	2.0	B*C	
20000906	002612.3	57.58	-5.49	191.7	860.3	5.2	0.6	TORRIDON, HIGHLAND		7 15	136	0.22	1.6	3.2	B*C	4KM NORTH OF TORRIDON
20001122	055148.5	5/.55	-5.54	102.0	856.8	6.5	0.5	TORRIDON, HIGHLAND TORRIDON, HIGHLAND		0 10	139	0.10	1.1	1.6	3 ≁D	5KM WEST OF TORRIDON
20000627	195024.5	57.5Z	-5.44	193.8	053.4	9.0-	-0.2	TORRIDON, HIGHLAND		3 9	257	0.01			A^D A*D	AVM COUNTLOF MODDIDON
20000401	102213.4	57.51 57.51	-2.24	189.0	052.1	12 2	0.8	TORRIDON, HIGHLAND		4 14					A^D A*D	4KM SOUTH OF TORRIDON
20000023	002303.3	57.51 57.51	-5.50	100 7	052.0	12.5	0.2	GLEN CARRON, HIGHLAND TORRIDON, HIGHLAND		4 Z		0.01	2 4			8KM SOUTH OF TORRIDON
20000703	1/3727 5	57 /9	-5 23	206 7	8/8 /	13.J 7 /	0.4 0 0	CIEN CAPPON HICHIAND		1 5	233	0.00	2.4	5.0	∆*D	SAM SOUTH OF TORRIDON
20000001	143727.5	57 46	-5 29	200.7	846 0	5.0	0.7	STRATHCARRON HIGHLAND		4 5	207	0.02			л тр Л * D	
200000220	102724 8	57.42	6.88	932.2	871 1	15 0	39	SKAGERBAK		19221	273	0.04	7 0	8 2	ת*ח	
20000805	052521 1	57 21	-5 44	192.5	818 3	7 0	0 1	GLEN CARRON,HIGHLAND STRATHCARRON,HIGHLAND SKAGERRAK SHIEL BRIDGE,HIGHLAND ISLE OF SKYE,HIGHLAND		5 1	237	0.26	0 4	0.2	B*D	
20001005	032254.9	57.17	-5.86	167.0	815.6	4.3-	-0.1	ISLE OF SKYE, HIGHLAND		5 22	217	0.08	0.5	10.3	C*D	
20000303	075649.9	57.06	-5.70	175.6	802.5	9.6	0.8	KNOYDART, HIGHLAND KNOYDART, HIGHLAND LOCH QUOICH, HIGHLAND		4 17	180	0.10	0.0	10.5	A*D	
20000116	055658.8	57.05	-5.57	183.4	801.4	7.3-	-0.1	KNOYDART, HIGHLAND		5 20		0.12	8.9	8.1		
20000613	065435.4	57.02	-5.42	192.2	797.2	6.2	1.1	LOCH OUOICH, HIGHLAND		5 21		0.11				
20000921	073048.3	56.99	-5.47	189.0	794.2	6.4	1.2	LOCH NEVIS, HIGHLAND		7 23		0.10	0.8			
20000122	134315.6	56.97	-5.51	186.7	792.2	14.8	0.7	LOCH MORAR, HIGHLAND		5 20		0.13	0.8	2.9	B*D	
20000414	192733.5	56.84	-4.90	223.3	775.7	12.1	2.1	FORT WILLIAM, HIGHLAND		85	127	0.07	0.8	0.8	A*B	12KM E OF FORT WILLIAM
20000804	002659.5	56.83	-5.88	163.6	778.0	12.8	0.9	LOCH WOULT, HIGHLAND LOCH MORAR, HIGHLAND FORT WILLIAM, HIGHLAND ARISAIG, HIGHLAND LOCH LEVEN, HIGHLAND APPIN, STRATHCLYDE		3 10	340	0.03			A*D	10KM SOUTH OF ARISAIG
20000120	234129.6	56.68	-5.15	207.3	758.6	4.9	1.2	LOCH LEVEN, HIGHLAND		5 19	268	0.05	2.9	3.7	C*D	
20000628	070959.0	56.61	-5.28	199.0	750.9	8.7	1.6	APPIN, STRATHCLYDE	3+	11 30	157	0.11	0.6	13.2	C*C	FELT APPIN
20000122	122530.7	56.25	-3.76	291.2	707.3	4.6	1.9	BLACKFORD, TAYSIDE		10 15	106	0.05	0.3	0.6	A*C	
20000331	052110.0	56.25	-3.76	291.2	707.6	5.1	0.6	BLACKFORD, TAYSIDE BLACKFORD, TAYSIDE BLACKFORD, TAYSIDE		8 15						
20000611	113626.5	56.25	-3.76	291.2	707.4	4.5	1.1	BLACKFORD, TAYSIDE		8 15	107	0.03	0.2	0.5	A*C	

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE:2000 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
20000614	132737.9	56.25	-3.75	291.5	707.9	6.0	1.0	BLACKFORD, TAYSIDE		8	15	107	0.04	0.3	0.7	A*C	
													80.0			A*D	
20001217	030636.3	56.25	-3.76	291.3	707.7	5.5	1.3	BLACKFORD, TAYSIDE		7	15	191	0.10	1.1	1.5	B*D	
20001223	153315.5	56.25	-3.76	291.1	707.3	4.4	1.1	BLACKFORD, TAYSIDE		7	16	154	0.04	0.4	0.7	A*C	
								BLACKFORD, TAYSIDE		7	16	189	0.08	1.3	1.6	B*D	
								BLACKFORD, TAYSIDE		6	15	155	0.04	0.4	0.8	A*C	
								BLACKFORD, TAYSIDE		9	15	107	0.05	0.3	0.7	A*C	
								BLACKFORD, TAYSIDE					0.07				
								BLACKFORD, TAYSIDE	4+	8	15	104	0.05	0.4	0.7	A*C	FELT BLACKFORD
								BLACKFORD, TAYSIDE					0.05				
								BLACKFORD, TAYSIDE		6	16	147	0.27	2.7	4.1	C*C	
								DOUNE, CENTRAL		12	14	137	0.07	0.4	0.7	A*C	FELT DOUNE
									4+								FELT DOUNE
								DOUNE, CENTRAL	_				0.08				
																	FELT RUMBLING BRIDGE
																	FELT KAMES
20000216	060251.5	55.88	-5.92	154.6	671.8	12.5	2.2	JURA, STRATHCLYDE		9	63	175	0.17	1.9	4.4	B*D	
20001228	085955.4	55.67	-6.13	140.6	649.2	11.1	2.2	ISLAY, INNER HEBRIDES		5	89	334	0.05	2.9	2.0	C*D	
20001213	051726.4	55.64	-6.15	138.6	645.9	9.1	2.0	ISLAY, INNER HEBRIDES		6	48	257	0.05	1.8	16.7	C*D	
20001228	004141.9	55.58	-6.09	142.5	639.3	6.8	2.0	ISLAY, INNER HEBRIDES		1	89	335	0.15	6.8	11.6	D*D	7KM OFFSHORE
20000813	223356.2	55.41	-5.17	199.1	617.9	10.0	1.0	ARRAN, STRATHCLYDE		6	28	135	0.15	1.8	0 5	C*C	3 KM SOUTH OF ARRAN
20000824	074921.2	55.40	-5.24	194.6	616.1	18.9	2.2	ARRAN, STRATHCLYDE		10	23	136	0.09	0.8	2.5	B*C	10000 000 000 000000
20000622	144907.8	55.39	-3.09	33⊥.3 10⊑ 1	611.1	8.1	1.3	HAWICK, BORDERS		ΤZ	11	120	0.16	1.1	∠.⊥	B×B	18KM WSW OF HAWICK
20000625	043117.0	55.39	-5.23	195.1	615.0	14.8	0.9	ARRAN, STRATHCLYDE		6	23	132	0.08	1.0	4.2	B∗B	5KM SOUTH OF ARRAN
20001215	134205.8	55.11	-3.61	297.5	580.9	1.4	0.9	DUMFRIES, D & G		6	8	120	0.06	1./	3.9	B∗D B	
20000529	050427.7	55.10	-3.63	296.1	579.2	11.0	0.7	JURA, STRATHCLYDE ISLAY, INNER HEBRIDES ISLAY, INNER HEBRIDES ARRAN, STRATHCLYDE ARRAN, STRATHCLYDE HAWICK, BORDERS ARRAN, STRATHCLYDE DUMFRIES,D & G DUMFRIES,D & G DUMFRIES,D & G DUMFRIES,D & G DUMFRIES,D & G DUMFRIES,D & G DUMFRIES,D & G HALTWHISTLE,N'UMBERLND SOLWAY FIRTH	.	9	9	122	0.05	0.4	0.9	A^B A≁D	
20000717	233220.0	55.IU	-3.03	290.1 205 0	579.1	10.2	1.0	DUMERIES, D & G	3+ 2.	9	9	124	0.07	0.5	1.1	A^B A★D	FELT TINWALD
20000107	221038.4	55.09	-3.03	290.0	579.0	10.3	1 1	DUMERIES, D & G	Δ+	0	9 10	122	0.04	0.4	0.9	A^B	FELT TINWALD
20000121	152020 0	55.09	-3.03	290.I	570.0	10.1	1.1	DUMERIES, D & G		9	10	120	0.05	0.5	1 4	А"В л*р	
20000320	10000.9	55.09	-3.04	290.0	570.5	10.2	0.9	DUMERIES, D & G		0	10	129	0.07	0.5	1 1	A"D A*D	
20000320	210400.4	55.09	-2.02	290.0	570.4 570 5	11 0	1 0	DUMERIES, D & G		9	10	120	0.07	0.4	1.1	А"D л*D	
20000713	232040.7 046460 6	53.09	-3.03	230.I	5/0.5	11.0	1 1	DUMPRIES, D & G		2	10	201	0.00	0.4	0.9	A D	C /F
20000410	040400.0	54.90	3 50	200.3	540 0	4 1	1 0	COLWAY EIDTH		9	17	230	0.05	1 0	2.7	A D	C/r
20000311	220631 6	54.02	2.20	315 0	540.0	4.1 11 0	0.5	SOLWAY FIRTH CALTHWAITE, CUMBRIA		13	- '	120	0.09	1.0	0.9		
20000300	051055 7	54.77	-2.04	347.6	542.4	13 0	2.6	CALTHWAITE, COMBRIA	3 .	10	á	133	0.09	0.5			FELT CALTHWAITE
20000424	055451 4	54.76	_2.01	392 7	541.5	11 8	1 1	STANHOPE, DURHAM	JŦ	13	13	124	0.09	0.5			7KM WEST OF STANHOPE
								MIDDLESBROUGH, CLEVELAND									8KM NW OF MIDDLESBROUGH
								APPLEBY, CUMBRIA									ONN NW OF MIDDLESDROOGH
200000012	021617 9	54.02	3 61	762 /	53/ 9	20 0	3 2	SOUTHERN NORTH SEA		162	19	279	0.13	2.1 7 5	11 2	с <i>D</i> п*п	
20000607	032559 5	54 52	-3 04	332 5	514 /	10.9	1 1	LAKE THIRLMERE CUMBRIA		8	9	234	0 05	0.9	1 0	A*D	
20000321	052313 8	54 27	-3 61	295 4	487 4	- 9 2	1 0	LAKE THIRLMERE,CUMBRIA IRISH SEA MIDDLEHAM,N YORKSHIRE WHARFDALE,N YORKSHIRE		8	20	166	0.07	1 2	±.0	C*C	
20001130	030719 8	54 21	-1 88	408 1	479 4	7 6	1 6	MIDDLEHAM.N. YORKSHIRE		11	33	126	0 12	0 9	0.2	C*C	10km sw of middleham
20000801	215322.9	53.96	-1.78	414.7	452.1	11.0	1.4	WHARFDALE, N YORKSHIRE		16	10	99	0.36	1.9	2.5	C*B	SH OL LLEDDEHILL
20000125	104813.7	53.64	-2.47	369.0	416.0	8.0	2.0	BOLTON, GTR MANCHESTER		- 9	42	89	0.11	0.6	2.9	C*C	
20000120		-0.01				0.0	2.0	,,		-			- •				

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE:2000 continued

YearMoDy HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
20000715 034300.2 53	3.54 -1	1.16	455.8	405.7	0.3	1.7	DONCASTER,S YORKSHIRE	2+	5	59	285	0.25	18.8	10.8	D*D	C/F,FELT SCAWTHORPE
							DONCASTER, S YORKSHIRE					0.02				C/F, FELT DONCASTER
20000516 233002.3 53	8.53 -4	1.31	247.1	406.8	16.9	0.2	IRISH SEA		7	15	188	0.04				13KM NORTH OF ANGLESEY
20001221 235309.1 53	8.52 1	L.85	655.2	410.0	8.6	3.4	SOUTHERN NORTH SEA		8	82	257	0.21	9.7	12.4	D*D	100km n of gt yarmouth
20000518 150820.3 53	3.49 -0).63	491.1	400.3	18.8	1.9	GAINSBOROUGH, LINCS		5	20	187	0.07	0.1	0.1	A*D	
20000818 170852.0 53	8.46 -4	1.34	244.8	398.3	12.4	1.7	OFF ANGLESEY, GWYNEDD		13	7	133	0.02	0.2	0.2	A*B	5km north of Anglesey
20000705 230954.0 53	8.44 -1	L.15	456.3	393.9	0.5	1.5	ROTHERHAM, S YORKSHIRE		7	32	116	0.13	1.0	2.4	B*C	C/F,10KM E OF ROTHERHAM
							SHEFFIELD, S YORKSHIRE		3	21	238	0.07			A*D	C/F,6KM N OF SHEFFIELD
							ROTHERHAM,S YORKSHIRE	3+	6	27	206	0.28	4.6	6.6	C*D	C/F,FELT SPOTSWOOD
							NORTH ANGLESEY, GWYNEDD		10	7	112	0.03	0.3	0.6	A*B	
							CAERNARVON BAY,GWYNEDD					0.07		1.9		15KM SW OF HOLYHEAD
20000503 182011.6 53							,						1.8			C/F
20000315 043440.2 53													11.9			C/F
							BUXTON, DERBYSHIRE						1.6			7KM SOUTH OF BUXTON
20000411 182315.2 53							-						7.1			C/F
20001103 003208.8 53								4+	-			0.09	1.7			FELT MOLD
20000317 020556.6 53												0.16	0.9	4.0		
							NEWARK-ON-TRENT,NOTTS					0.27			B*D	
20000718 145155.7 53												0.40			C*D	C/F,6KM SW OF MANSFIELD
							CAERNARVON BAY, GWYNEDD						0.7			
							CAERNARVON BAY, GWYNEDD						1.1			
							CAERNARVON BAY, GWYNEDD					0.05		0.7		
							CAERNARVON BAY, GWYNEDD					0.05	1.0			
20000110 040957.8 53									-			0.05		1.3		11KM SE OF CAERNARVON
							NEWCASTLE-U-LYME, STAFFS	5				0.04		0.9		
							BETWS-Y-COED,GWYNEDD					0.04		2.6		6KM S OF BETWS-Y-COED
							CAERNARVON BAY, GWYNEDD		-	-		0.07		1.4		
20000910 065255.2 52									8			0.07	0.7			
20000612 053655.2 52									8			0.05		1.6		
20000622 143713.4 52								4+		-		0.05			A*A	FELT LLANBERIS
20000914 214946.0 52												0.04		0.9		
20000915 035724.7 52												0.03		0.5		
20001009 225819.8 52												0.22	1.7			65KM SW OF HOLYHEAD
							LLEYN PENIN, GWYNEDD		-			0.08		1.8		10000 000 000 000000
20000509 005533.8 52												0.06	0.5	0 7	C*C	10KM WEST OF DERBY
							STONE, STAFFORDSHIRE					0.03		0./	A*C	C/F
							MARKET DRAYTON, SALOP					0.17	2.0	4 1	C*C	
							MARKET DRAYTON, SALOP					0.05		4.1		TWM M OF MARKER DRAVEON
							MARKET DRAYTON, SALOP					0.14	0.9	0 1	C*C	7KM W OF MARKET DRAYTON
							SHREWSBURY, SHROPSHIRE					0.05	0.9	2.1		12KM NNE OF SHREWSBURY
20000214 003254.2 52	1.01 -U	1.95	4/0.9	JZ4.3	12.0	1 2	MELTON MOWBRAY, LEICS LOUGHBOROUGH, LEICS					0.01	0 0	0.6	A*D	6KM NW OF MELTON MOWBRAY
20000620 161664 2 52	3./9 -1) 74 -	1.12	409.4	JZ⊥.4	2/.0	1.3	LOUGHBOROUGH, LEICS						0.6			20KM ON OF LIEVAL DEVIN
20000520 161654.3 52												0.09	1.0			20KM SW OF LLEYN PENIN
20001001 204709.3 52							WELSHPOOL, POWYS WOLVERHAMPTON, W MIDS					0.12 0.26	1.7	Τ.0	C*C B*D	6KM NW OF WELSHPOOL
20000800 005/31.5 52	4.04 -2	5.T3	39⊥.⊥	304.3	1.9	1.2	WOLVERHAMPTON, W MIDS		ΤT	4 /	124	∪.∠0	τ.ο		C^C	

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE:2000 continued

YearMoDy HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
20000714 212524.3	52.63 -	-2.55	362.9	303.9	5.9	1.4	TELFORD, SHROPSHIRE		11	26	106	0.07	0.3	0.6	A*C	
20000502 213811.2	52.55 -	-0.81	480.7	295.4	15.3	2.1	UPPINGHAM, LEICS		8	29	122	0.10	1.1	1.9	B*B	6KM SW OF UPPINGHAM
20000606 115818.4	52.43 -	-3.78	278.9	283.1	11.0	1.5	DEVIL'S BRIDGE,DYFED		13	15	77	0.16	0.8	1.3	B*B	
20000212 185106.2	52.35 -	-3.95	267.5	274.4	4.4	2.0	ABERYSTWYTH,DYFED		12	37	88	0.19	0.8		C*C	7KM SE OF ABERYSTWYTH
20000923 042345.8	52.28 -	-1.61	426.6	264.8	14.4	4.2	WARWICK,WARWICKSHIRE	5	14	39	95	0.21	1.0	1.5	B*C	FELT WARWICK
20000124 003528.1	52.12 -	-2.41	371.6	246.9	6.4	0.7	GREAT MALVERN, HER & WO	R	6	13	242	0.06	1.1	2.7	B*D	
20000617 040329.6	52.12 -	-2.46	368.2	247.2	14.9	1.4	BROMYARD, HER & WOR		7	11	236	0.07	1.1	0.8	B*D	6KM SOUTH OF BROMYARD
							GREAT MALVERN, HER & WO	R	8	13	243	0.09	1.0	2.4	B*D	
							SENNYBRIDGE, POWYS		-			0.14	0.8			
							ABERGAVENNY, GWENT		7	12	158	0.15	0.6	1.4	A*C	7KM NORTH OF ABERGAVENNY
20000418 172957.4	51.86 -	-2.77	346.7	217.8	16.7	0.7	MONMOUTH, GWENT		7	22	147	0.04	0.3	1.2	A*C	7km nw of monmouth
							BARGOED, MID GLAMORGAN		-			0.14		1.9		C/F
							MAESTEG,MID GLAMORGAN		7	40	104	0.04	0.9	18.9	C*C	
20000203 042244.4	51.38 -	-2.77	346.2	165.0	2.3	0.8	BRISTOL,AVON	4+	6	9	193	0.35	1.2	0.6	C*D	FELT FLAX BOURTON
20000811 062205.5									7	44	188	0.09	1.4	4.4	B*D	
20001026 060409.5													1.9	5.3	C*D	9KM NE OF NEWQUAY
							BERE ALSTON, CORNWALL		5	50	-	0.19			D*D	
20000912 014225.6	50.11 -	-5.18	172.6	28.0	7.2	-0.2	CONSTANTINE, CORNWALL		9	3	84	0.02	0.2	0.3	A*A	
20000712 194852.3	50.02 -	-4.45	224.8	16.5	5.6	1.7	DODMAN POINT, CORNWALL		8	49	314	0.05		19.9		25KM SE OF DODMAN POINT
							LIZARD POINT, CORNWALL					0.07	1.3	2.7	B*D	SOUTH OF LIZARD POINT
20000717 020602.6									-			0.21			D*D	
							JERSEY, CHANNEL ISLANDS		-			0.02	0.9	0.4		
20000813 032822.8	49.22 -	-1.84	411.3	-75.0	10.3	1.3	JERSEY, CHANNEL ISLANDS		7	14	341	0.01	0.2	0.3	A*D	

TABLE 3

CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOL OGICALLY: 2000

KEY TO BULLETIN ENCODING

YearMoDy		Year, month and day of event.
HrMn Secs	:	Time of occurrence of event in hours, mins and secs, (UTC).
Lat	:	Latitude of the event, positive latitude indicates north.
Lon	:	Longitude of the event, negative longitude indicates west.
kmE	:	UK National Grid Reference in kilometres east of grid origin.
kmN	:	UK National Grid Reference in kilometres north of grid origin.
Dep	:	Depth of the hypocentre in kilometres.
Mag	:	Richter local magnitude of the event.
Locality	:	A geographical indication of the epicentral area, usually the nearest town
		followed by the region. A key to the abbreviations used in the locality column are given below.
Int	:	Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the maximum EMS intensity produced by the event.
Comments	:	Additional comments about the event eg : C/F, see below under comments abbreviations.

The following abbreviations are extracted from the output of the location program HYPO71 (Lee and Lahr,1975)

No	:	Total number of P and S readings used in the event location.
DM	:	Epicentral distance in kilometres to the closest station.
Gap	:	Largest azimuthal separation in degrees between stations.
RMS	:	Root Mean Square of the travel-time residuals in seconds.
ERH	:	Standard error of the epicentre in kilometres. When this column is blank,
		the error is large and indeterminate.
ERZ	:	Standard error of the focal depth in kilometres. When this column is blank,
		the error is large and indeterminate.
SQD	:	S is quality factor ascribed to RMS, D is quality ascribed to number and
		distribution of stations.

Locality abbreviations

Sonic Expl D & G Gtr Her & Worcs S'Clyde S Yorkshire New-U-Lyme	: : : :	Sonic boom Explosion Dumfries and Galloway Greater Hereford and Worcester Strathclyde South Yorkshire Newcastle-Under-Lyme	N Yorkshire Notts Lincs N' umberInd Staffs Leics W Mids Salop	: : : : : :	North Yorkshire Nottinghamshire Lincolnshire Northumberland Staffordshire Leicestershire West Midlands Shropshire
New-U-Lyme Penin		Newcastle-Under-Lyme Peninsula	Salop	:	Shropshire

Comments abbreviations

Sonic	: Sonic boom
Expl	: Explosion
C/F	: Coalfield type event
	: and felt elsewhere

TABLE 3: CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOLOGICALLY:2000

YearMoDy HrMnSecs Lat	Lon kmE kmN	Dep Mag Locality	Int No DM Gap RMS EF	H ERZ SQD	Comments
20000120 103536.0 20000830 235340.7 56.20	-2.96 340.2 700.8	SONIC-GRAMPIAN 3.7 1.4 EXPL-LARGO BAY,FIFE	3+ 2+ 12 33 127 0.07 0.	3 0.7 A*C	SONIC-FELT ELGIN FELT LEVEN

TABLES 4

GEOGRAPHICAL COORDINATES OF SEISMOGRAPH STATIONS: DECEMBER 2000

Table 4a: Geographic Coordinates of Seismographic Stations, December 2000Table 4b: Geographic Coordinates of Low Gain Stations, December 2000Table 4c: Geographic Coordinates of Strong Motion Stations, December 2000

TABLE 4a

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, DECEMBER 2000

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
ABA	BACONSTHORPE	52.8884	1.1453	611.58	337.00	74	82-	1	BGS
AEA	EAST ANGLIA UNIV	52.6208	1.2403	619.30	307.53	45	84-	Μ	BGS
APA	PACKWAY	52.3006	1.4782	637.12	272.68	58	84-	1	BGS
AWH	WHINBURGH	52.6297	0.9507	599.67	307.68	64	80-	1R	BGS
AWI	WITTON	52.8319	1.4471	632.17	331.65	46	83-	1	BGS
BBH	BRUNTSHEIL	55.1333	-2.9299	340.72	582.50	216	92-	1	BGS
BBO	BOTHEL	54.7367	-3.2464	319.76	538.69	209	92-	3	BGS
BCM	CHAPELCROSS MIC	55.0151	-3.2212	321.92	569.64	78	92-	Μ	BGS
BDL	DOBCROSS HALL	54.8030	-2.9385	339.68	545.76	157	92-	1	BGS
BHH	HOWATS HILL	55.0931	-3.2181	322.27	578.31	216	92-	3	BGS
BNA	NEW ABBEY	54.9658	-3.6242	296.03	564.68	28	92-	1	BGS
BTA	TALKIN	54.9057	-2.6844	356.12	557.00	279	92-	3	BGS
BWH	WARDLAW	55.1758	-3.6549	294.62	588.09	269	92-	1	BGS
CBW	BUDOCK WATER	50.1482	-5.1144	177.53	32.29	94	81-	1	BGS
CCA	CARNMENELLIS	50.1866	-5.2277	169.62	36.90	210	81-	1	BGS
CCO	CONSTANTINE	50.1357	-5.1957	171.66	31.14	168	81-	1	BGS
CDU	DUNNERDALE	54.3362	-3.1952	322.30	494.08	355	92-	1	BGS
CGH	GOONHILLY	50.0507	-5.1649	173.46	21.60	97	81-	1	BGS
CGW	GWEEK	50.1006	-5.2228	169.56	27.32	9	93-	1	BGS
CKE	KESWICK	54.5877	-3.1059	328.54	521.96	304	92-	1	BGS
CMA	MANACCAN	50.0821	-5.1274	176.29	24.98	42	93-	1	BGS
CPZ	PENZANCE	50.1566	-5.5828	144.12	34.72	199	81-	1R	BGS
CR2	ROSEMANOWES 2	50.1667	-5.1687	173.74	34.51	143	81-	3	BGS
CSA	ST AUSTELL	50.3527	-4.8919	194.30	54.38	112	81-	1	BGS
CSF	SCAFELL	54.4478	-3.2430	319.41	506.55	540	92-	1	BGS
CSM	SELLAFIELD MIC	54.4183	-3.4913	303.24	503.58	50	92-	Μ	BGS
CST	STITHIANS	50.1952	-5.1635	174.24	37.66	141	81-	1	BGS
CWF	CHARNWOOD FST	52.7385	-1.3076	446.74	315.91	203	75-	3R	BGS
DCO	COMBE FARM	50.3201	-3.8721	266.74	48.43	117	82-	1R	BGS
DYA	YADSWORTHY	50.4353	-3.9310	262.88	61.34	292	82-	3R	BGS
EAB	ABERFOYLE	56.1887	-4.3373	254.97	702.02	279	69-	1R	BGS
EAU	AUCHINOON	55.8454	-3.4474	309.38	662.30	359	69-	1R	BGS
EBH	BLACK HILL	56.2476	-3.5084	306.54	707.13	375	69-	1R	BGS
EBL	BROAD LAW	55.7723	-3.0445	334.48	653.71	436	69-	1R	BGS
ECK	CAULDKAINE HILL	55.1810	-3.1292	328.10	588.00	351	81-	1R	BGS
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	69-	3R	BGS
EDR	DRUMTOCHTY	56.9190	-2.5393	367.17	780.97	401	89-	1R	BGS
EDU		56.5477	-3.0110	337.85	739.97	421	69-	1R	BGS
ELO		56.4703	-3.7112	294.59	732.21	523	69-	1R	BGS
ESK	ESKDALEMUIR	55.3165	-3.2052	323.52	603.16	261	65-	3R	BGS
ESY	STONEYPATH	55.9175	-2.6141	361.62	669.55	337	81-	1R	BGS
FHV	HALDARSVIK	62.2597	-7.0984	135.46	1385.95	380	99-	1R	BGS
FSD	SUDUROY	61.5701	-6.7884	145.86	1308.06	480	99-	1R	BGS
FSV	SVINOY	62.2598	-6.3550	173.99	1383.14	430	99-	1R	BGS
FTO	TORSHAVN	62.0199	-6.8274	147.51	1358.21	325	99-	3R	BGS
FVA	VAGAR	62.0575	-7.3520	120.46	1364.55	430	99-	1R	BGS
GAL	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	89-	3M	BGS
GCD	CASTLE DOUGLAS CUSHENDALL	54.8630	-3.9403	275.48	553.76	184	89-	1R	BGS
GCL GIM	ISLE OF MAN (North)	55.0783	-6.1264	136.66	583.77	278	89- 89-	1R 3R	BGS
	· · · · · · · · · · · · · · · · · · ·	54.2923	-4.4672	239.44	491.35	346			BGS
GMK GMM	MULL OF KINTYRE MTNS OF MOURNE	55.3458	-5.5934 -5.9498	172.19	611.64 489.67	164 155	89- 89-	1R 1R	BGS
HAE	ALDERS END	54.2377 52.0368	-5.9498	142.66 362.73	489.67 237 70	155 260	89- 82-	1R 1R	BGS BGS
HAE			-2.5434 -3.6570		237.79		82- 80-	1R 1R	
HEX	CRAIG GOCH EXMOOR	52.3231	-3.6570	287.08	270.78	533 230	80- 91-	1R 1R	BGS
HGH	GRAY HILL	51.0664 51.6370	-3.8026	273.71	131.28	230 223	91- 80-	1R 1R	BGS BGS
		51.6379	-2.8057	344.25	193.59				
HLM	LONG MYND	52.5184	-2.8807	340.25	291.57	429	84-	1	BGS

TABLE 4a: continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
HPE	PEMBROKE	51.9372	-4.7746	209.29	230.21	349	90-	1R	BGS
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	78-	3R	BGS
HSA	SWANSEA	51.7500	-4.1532	251.38	207.94	293	87-	1R	BGS
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	81-	3RM	BGS
HTR	TREWERN HILL	52.0785	-3.2679	313.12	243.04	337	82-	1R	BGS
JLP	LES PLATONS	49.2486	-2.1039			129	81-	1R	BGS
JQE	QUEENS EAST	49.2000	-2.0383			58	91-	1	BGS
JRS	MAISON ST LOUIS	49.1922	-2.0922			56	81-	3R	BGS
JSA	ST AUBINS	49.1878	-2.1717			39	81-	1R	BGS
JVM	VALLE D.L.MARE	49.2169	-2.2067			64	81	1R	BGS
KAC	ACHNASHELLACH	57.4989	-5.2988	202.36	850.19	206	83-	1R	BGS
KAR	ARISAIG	56.9188	-5.8290	166.98	787.34	186	83-	1	BGS
KBI	BIRLEY GRANGE	53.2543	-1.5279	431.49	373.17	272	88-	1	BGS
KLE	KEELE UNIVERSITY	53.0038	-2.2657	382.17	345.23	203		1	KUN
KLE3	NEWCHAPEL	53.0928	-2.2047	386.29	355.12	200		1	KUN
KNR	NEVIS RANGE	56.8219	-4.9714	218.68	773.97	1147	91-	1R	BGS
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	86-	3R	BGS
KSB	SHIEL BRIDGE	57.2099	-5.4214	193.40	818.40	417	83-	1R	BGS
KSK	SCOVAL	57.4659	-6.7002	118.21	851.46	265	89-	1R	BGS
KSY	SYSTON TILBROOK GRNGE	52.9642	-0.5872 -0.4019	494.88	341.73	121	88-	1R	BGS
KTG KUF	UFFORD	52.3264 52.6170		508.90 508.94	271.06 303.39	83 38	88- 88-	1 1R	BGS BGS
KWE	WEAVER FARM	53.0164	-0.3907 -1.8412	410.65	346.61	328	88-	1R	BGS
LCP	CASSOP	54.7370	-1.4744	433.84	538.14	185	91-	1R	BGS
LDU	LEEDS	53.8058	-1.5540	429.37	434.51	74	83-	M	BGS
LHO	HOLMEFIRTH	53.5453	-1.8548	409.62	405.44	462	91-	1R	BGS
LMI	MILLOM	54.2206	-3.3070	314.79	481.35	129	89-	3R	BGS
LMK	MARKET RASEN	53.4569	-0.3260	511.14	396.90	146	91-	1R	BGS
LRN	RICHMOND	54.4165	-1.8007	412.93	502.37	313	91-	1R	BGS
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	98	78-	3R	BGS
LWH	WHINNY NAB	54.3338	-0.6717	486.36	493.97	277	91-	1R	BGS
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	81-	3RM	BGS
MCH	MICHAELCHURCH	51.9974	-2.9983	331.47	233.74	219	78-	3	BGS
MDO	DOCHFOUR	57.4409	-4.3633	258.17	841.39	415	81-	1R	BGS
MFI	FISHRIE	57.6119	-2.2956	382.34	858.00	232	88-	1R	BGS
MLA	LATHERON	58.3055	-3.3627	320.15	935.98	188	81-	1	BGS
MME	MEIKLE CAIRN	57.3149	-2.9647	341.90	825.32	475	81-	1	BGS
MVH	ACHVAICH	57.9250	-4.1825	270.75	894.90	185	84-	1	BGS
OBR	BRABSTER	58.6142	-3.1626	332.47	970.13	89	95-	1R	BGS
OHO	HOY	58.8322	-3.2465	328.05	994.48	172	95-	1R	BGS
ORE	REAY	58.5480	-3.7622	297.45	963.52	100	95-	3RM	BGS
OST	STRONSAY	59.0860	-2.5516		1022.20	21	95-	1R	BGS
OTO	TONGUE	58.4953	-4.3939	260.49	958.79	338	95-	1R	BGS
OWE	WESTRAY	59.3180	-3.0289		1048.36	87	95-	1R	BGS
PCA	CARROT	55.7007	-4.2550	258.30	647.55	302	83-	1	BGS
PCO	CORRIE	55.9880	-4.1002	269.00	679.21	267	83-	1	BGS
PGB	GLENIFFERBRAES	55.8115	-4.4837	244.38	660.37	199	84-	3	BGS
PMS		55.8459	-4.7452	228.15	664.82	351	83-	1	BGS
RCR		58.6245	-4.9987	225.90	974.58	100	95- 05	1R	BGS
REB	EISG-BRACHAIDH	58.1194	-5.2802	206.82	919.16	100	95- 05	1R	BGS
RFO		58.2133	-7.0052	106.10	935.83	195	95- 05	1R 1P	BGS
RRH		57.9197 57.8577	-6.6881	122.43	901.86	103 61	95- 95-	1R 2 PM	BGS BGS
RRR RSC	RUBHA REIDH SCOURIE	57.8577 58.3485	-5.8067 -5.1683	174.19 214.61	891.68 944.33	60	95- 95-	3RM 1R	BGS
RTO	TOLSTA	58.3485 58.3778	-5.1683 -6.2092	214.61 153.95	944.33 950.93	60 74	95- 95-	1R 1R	BGS
SAN	SANDWICK	50.3778 60.0179	-6.2092 -1.2392	442.41	950.93	150	95- 85-	1 1	BGS
SAN	BRYNDU	52.9055	-1.2392	315.37	335.01	489	80-	1	BGS
SFH	HASELMERE	52.9055 51.0604	-0.6912	491.71	129.88	469 260	80- 93-	1	BGS
GITT		51.0004	0.0312	-31./I	120.00	200	30-	I	000

TABLE 4a: continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
SIW	ISLE OF WHITE	50.6711	-1.3747	444.18	85.97	162	93-	1	BGS
SKP	KOPHILL	51.7218	-0.8096	482.22	203.29	212	93- 93-	1	BGS
SMD	MENDIPS	51.3083	-2.7170	350.03	156.88	310	93-	1	BGS
SSP	STONEY POUND	52.4177	-3.1119	324.39	280.59	428	90-	3	BGS
SSW	STOW-ON-WOLD	51.9667	-1.8499	410.31	229.86	291	93-	1	BGS
SWK	WARMINSTER	51.1483	-2.2471	382.72	138.87	266	93-	1	BGS
SWN	SWINDON	51.5137	-1.8007	413.83	179.49	192	93-	3	BGS
TBW	BRENTWOOD	51.6549	0.2913	558.48	197.66	89	89-	1R	BGS
TCR	COLCHESTER	51.8347	0.9212	601.24	219.20	45	89-	1R	BGS
TEB	EASTBOURNE	50.8187	0.1457	551.13	104.39	68	89-	1R	BGS
TFO	FOLKESTONE	51.1135	1.1409	619.81	139.66	202	89-	3	BGS
TSA	SEVENOAKS	51.2426	0.1561	550.48	151.53	177	89-	1	BGS
WAL	WALLS	60.2564	-1.6173	421.18	1152.46	167	80-	1	BGS
WCB	CHURCH BAY	53.3782	-4.5467	230.62	389.87	139	85-	ЗM	BGS
WFB	FAIRBOURNE	52.6831	-4.0383	262.23	311.48	316	85-	1R	BGS
WIM	ISLE OF MAN(South)	54.1475	-4.6738	225.39	475.73	386	85-	1R	BGS
WLF	LLYNFAES	53.2894	-4.3966	240.27	379.65	58	85-	1	BGS
WME	MYNDD EILIAN	53.3969	-4.3032	246.88	391.40	129	85-	1R	BGS
WPM	PENMAENMAWR	53.2581	-3.9048	272.95	375.18	353	85-	1R	BGS
XAL	ALLENDALE	54.8617	-2.2147	386.22	551.91	458	83-	1R	BGS
XDE	DENT	54.5056	-3.4902	303.52	513.29	301	83-	1R	BGS
XSO	SOURHOPE	55.4924	-2.2510	384.14	622.10	516	83-	1R	BGS
YEL	YELL	60.5509	-1.0830	450.29	1185.55	203	79-	1	BGS
YLL	LLANBERIS	53.1402	-4.1704	254.84	362.57	159	84-	1R	BGS
YRC	RHOSCOLYN	53.2508	-4.5753	228.21	375.77	22	84-	1R	BGS
YRE	YR EIFL	52.9811	-4.4254	237.19	345.43	193	84-	1R	BGS
YRH	RHIW	52.8336	-4.6288	222.94	329.51	286	84-	1R	BGS
DCN	CROGHAN	53.3439	-7.2767			150	77-	1R	DIAS
DLF	LYONS FARM	53.2958	-6.5314			96	91-	3	DIAS
ASK	ASKOY	60.4830	5.1950			50	83-	1	BER
BER	BERGEN	60.3838	5.3339			50		1	BER
EGD	ESPEGREND	60.2712	5.2257			20	91-	1	BER
FOO	FLORO	61.5980	5.0440			50		1	BER
KMY	KARMOY	59.2120	5.2470			58	84-	1	BER
MOL	MOLDE	62.5700	7.5480			98	87-	1	BER
ODD1	ODDA	59.9120	6.6280			684	87-	1	BER
SUE	SULEN	61.0570	4.7610			10	84-	1	BER

Component Codes:

- 1
- Single vertical seismometer Orthogonal set of 3 seismometers 3
- Low-frequency microphone Μ
- R Station coordinates registered with the International Seismological Centre (ISC), England and the National Earthquake Information Centre (NEIC), USA

Agency Codes:

- BGS British Geological Survey
- DIAS Dublin Institute of Advanced Studies
- KUN Keele University
- BER University of Bergen

TABLE 4b

GEOGRAPHIC COORDINATES OF LOW GAIN STATIONS, DECEMBER 2000

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agenc y
AEU	EAST ANGLIA	52.6202	1.2347	618.93	307.45	28	94-	L	BGS
BCC	CHAPELCROSS	55.0153	-3.2201	321.99	569.66	138	92-	L	BGS
CRQ	ROSEMANOWES	50.1672	-5.1726	173.46	34.57	156	81-	L	BGS
DYA	YADSWORTHY	50.4353	-3.9310	262.88	61.34	292	82-	LR	BGS
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	89-	LR	BGS
ESK	ESKDALEMUIR	55.3165	-3.2052	323.52	603.16	261	86-	LR	BGS
GAL	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	89-	L	BGS
HBL2	BONNYLANDS	52.0508	-3.0384	328.80	239.71	437	91-	LR	BGS
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	87-	LR	BGS
JRS	MAISON ST LOUIS	49.1922	-2.0922			56	81-	LR	BGS
KEY	KEYWORTH	52.8779	-1.0757	462.20	331.59	59	88-	L	BGS
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	86-	LR	BGS
LDU	LEEDS	53.8058	-1.5540	429.37	434.51	74	94-	L	BGS
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	98	78-	LR	BGS
MCH	MICHAELCHURCH	51.9974	-2.9983	331.47	233.74	219	78-	L	BGS
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	81-	LR	BGS
ORE	REAY	58.5480	-3.7622	297.45	963.52	100	95-	LR	BGS
POB	OBSERVATORY	55.8458	-44299	247.88	664.06	34	92-	L	BGS
RRR	RUBHA REIDH	57.8577	-5.8067	174.19	891.68	61	95-	LR	BGS
SWN	SWINDON	51.5131	-1.8004	413.85	179.42	192	93-	L	BGS
TFO	FOLKESTONE	51.1135	1.1409	619.81	139.66	202	89-	L	BGS
WCB	CHURCH BAY	53.3782	-4.5467	230.62	389.87	139	85-	L	BGS

Component Codes:

L

Single low-gain vertical seismometer Station coordinates registered with the International Seismological Centre (ISC), England and the National R Earthquake Information Centre (NEIC), USA

Agency Codes:

BGS British Geological Survey

TABLE 4c

GEOGRAPHIC COORDINATES OF STRONG MOTION STATIONS, DECEMBER 2000

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
Code AEU BCC CRQ JDC JDG HUA HUB KEY2 KPL HBL2 LDU LRWS MCD ODR RRR SWN TFO	Name EAST ANGLIA CHAPELCROSS ROSEMANOWES DAM (CREST) DAM (GALLERY) HUNTERSTON A HUNTERSTON B KEYWORTH PLOCKTON BONNYLANDS LEEDS LERWICK COLEBURN DISTIL DOUNREAY RUBHA REIDH SWINDON FOLKESTONE	Lat 52.6202 55.0153 50.1672 49.1947 49.1947 55.7190 55.7210 52.8790 57.3391 52.0509 53.8058 60.1397 57.5828 58.5825 57.8577 51.5137 51.1135	Lon 1.2347 -3.2201 -5.1726 -2.0469 -2.0469 -4.8890 -1.0770 -5.6527 -3.0365 -1.5540 -1.1831 -3.2541 -3.7241 -5.8067 -1.8007 1.1409					Comp SSR SR SSR SSR SSR SSR SSR SSR SSR SSR	Agency BGS BGS BGS BGS BGS BGS BGS BGS BGS BGS
TOA TOB	TORNESS A TORNESS B	55.9692 55.9673	-2.4037 -2.4085	374.80 374.50	675.20 674.99	5 5	94- 94-	S S	BGS BGS
WCB	CHURCH BAY	53.3782	-4.5467	230.62	389.87	139	98-	S	BGS

Component Codes:

Orthogonal set of 3 strong motion seismometers Single strong motion seismometer – aligned NS S

1

Station coordinates registered with the International Seismological Centre (ISC), England and the National R Earthquake Information Centre (NEIC), USA

Agency Codes:

BGS British Geological Survey TABLE 5

PHASE DATA: 2000

KEY TO PHASE DATA ENCODING

Time	:	Time of occurrence of event in hours, mins and secs, (UTC).
Lat	:	Latitude of the event, N indicates North.
Lon	:	Longitude of the event, W indicates West, E indicates East.
Depth	:	Depth of the hypocentre in kilometres.
Grid Ref	:	UK National Grid Reference in kilometres east (kmE) and kilometres north
		(kmN) of grid origin.
Quality	:	Solution quality of hypocentre averaged from QS and QD. A, excellent; B, good;
0 5		C, fair; D, poor
RMS	:	Root Mean Square of the travel -time residuals in seconds.
Magnitude		▲
Locality	:	A geographical indication of the epicentral area, usually the nearest town
j	•	followed by the region.
Intensity	•	Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc
	•	indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the
		maximum EMS intensity produced by the event.
Commonte	•	Additional comments about the event eg : C/F see list of comments
Comments	•••	abbreviations below.
STAT		Station name
	•	
CO	:	Station component S=short period Z=vertical N=north -south E=east -west
DIST	:	Distance from earthquake to station (km)
PHAS	:	Phase identifier; the first letter characterizes onset E=emergent I=impulsive, the
		second indicates the phase eg P, S, PG and PN.
WT	:	Hypo weighting factor to arrival 0 or blank=full weighting to 4=zero weighting
		(ignore). 9=use P-S interval only for this line.
Р	:	Polarity C=Compression/up D=Dilatation/down
HrMn	:	Hour, Minute of event
SECS	:	Seconds of event
AMPL	:	Amplitude centre to peak in nanometres (nm)
PERI	:	Period in seconds

Locality abbreviations

Sonic	:	Sonic boom	N Yorkshire	:	North Yorkshire
Expl	:	Explosion	Notts	:	Nottinghamshire
D & G	:	Dumfries and Galloway	Lincs	:	Lincolnshire
Gtr	:	Greater	N'umberlnd	:	Northumberland
Her & Worcs	:	Hereford and Worcester	Staffs	:	Staffordshire
S'Clyde	:	Strathclyde	Leics	:	Leicestershire
S Yorkshire	:	South Yorkshire	W Mids	:	West Midlands
New-U-Lyme	:	Newcastle-Under-Lyme	Salop	:	Shropshire
Penin	:	Peninsula			

Comments abbreviations

- Sonic : Sonic boom
- Expl : Explosion
- C/F : Coalfield type event
- ... : and felt elsewhere

Loca	55.09 Ref: ∶ lity: I	295.77 DUMFF	Time: Lon: kmE 57 RIES, D TINWA	3.63 9.05 k & G	34W	4 UTC	Depth		1
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
BWH	sz	9	IP		ĉ	22:16	41.00	7 H.H. E	I LIG
BNA	SZ	14	IP		С	22:16	41.69		
BHH	SZ	27	IP		D	22:16	43.63		
BHH	SE	27	ES	2		22:16	46.99		
BHH	SN	27				22:16	49.10	297	0.25
BHH BCC	SE AZ	27 28	IP	4	D	22:16 22:16	48.23 44.11	432	0.22
GCD	SZ	32	IP	4	C	22:10	44.44		
ECK	SZ	34	IP		č	22:16	44.60		
ESK	SZ	37	IP		С	22:16	45.08		
ESK	SE	37	ES	2		22:16	49.99		
ESK	SN	37				22:16	50.44	101	0.20
ESK BBO	SE SZ	37 47	IP		D	22:16 22:16	50.44 47.35	121	0.16
BBO	SE	47	ES	2	D	22:10	53.20		
BBO	SN	47	Eb	2		22:16	54.29	35	0.21
BBO	SE	47				22:16	55.76	37	0.23
Iannas	10	2000	Time	. 04.0	0 57 9	8 UTC	Maani	tuda. A	7 MI
Januaı Lat:			Lon:		19 57.4)3W	5010		tude: 0. : 10.6 km	
			kmE 35					0.05 secs	
			ARVON				Qualit	y: B	
			SE OF						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YLL WLF	SZ SZ	11 30	IP IP		C D	04:10 04:10	00.34 03.16		
WPM	SZ	31	IP		Ċ	04:10	03.33		
YRC	SZ	34	IP	1	č	04:10	03.79		
YRH	SZ	37	IP		С	04:10	04.23		
WME	SZ	40	IP	1	D	04:10	04.62		
WFB	SZ	41	EP	2		04:10	04.84		
WCB	SZ	44	IP ES	$\frac{1}{2}$	D	04:10	05.25		
WCB WCB	SE SN	44 44	ES	2		04:10 04:10	$10.23 \\ 11.10$	6	0.20
WCB	SE	44				04:10	10.43	7	0.10
Januar		2000				D UTC	Magni	tude: 1	.6 ML
								~	
Lat:			Lon:)5W			6.4 km	
Grid	Ref:	372.27	kmE 24	6.24 k	mN	& WOR	RMS:	0.09 secs	
Grid	Ref:	372.27	kmE 24	6.24 k ERN,	mN	& WOR HrMn	RMS:	0.09 secs	
Grid Loca	Ref: 1	372.27 GREAT	kmE 24 MALV	6.24 k ERN,	mN HER		RMS: Qualit	0.09 secs y: C	5
Grid Loca STAT HAE MCH	Ref: CO CO SZ SZ	372.27 GREAT DIST 13 43	kmE 24 MALV PHAS IP IP	6.24 k ERN, WT	mN HER P	HrMn 09:35 09:35	RMS: Qualit SECS 51.49 56.33	0.09 secs y: C	5
Grid Loca STAT HAE MCH MCH	l Ref: llity: (CO SZ SZ SE	372.27 GREAT DIST 13 43 43	kmE 24 MALV PHAS IP	6.24 k ERN,	mN HER P C	HrMn 09:35 09:35 09:36	RMS: Qualit SECS 51.49 56.33 01.71	0.09 secs y: C AMPL	PERI
Grid Loca STAT HAE MCH MCH MCH	l Ref: dlity: (CO SZ SZ SZ SE SN	372.27 GREAT DIST 13 43 43 43 43	kmE 24 MALV PHAS IP IP	6.24 k ERN, WT	mN HER P C	HrMn 09:35 09:35 09:36 09:36	RMS: Qualit SECS 51.49 56.33 01.71 01.94	0.09 secs y: C AMPL 70	9ERI 0.18
Grid Loca STAT HAE MCH MCH MCH MCH	l Ref: co SZ SZ SE SN SE	372.27 GREAT DIST 13 43 43 43 43 43 43	kmE 24 MALV PHAS IP IP ES	6.24 k ERN, WT	mN HER P C C	HrMn 09:35 09:35 09:36 09:36 09:36	RMS: Qualit SECS 51.49 56.33 01.71 01.94 02.20	0.09 secs y: C AMPL	PERI
Grid Loca STAT HAE MCH MCH MCH	l Ref: dlity: (CO SZ SZ SZ SE SN	372.27 GREAT DIST 13 43 43 43 43	kmE 24 MALV PHAS IP IP	6.24 k ERN, WT	mN HER P C	HrMn 09:35 09:35 09:36 09:36	RMS: Qualit SECS 51.49 56.33 01.71 01.94	0.09 secs y: C AMPL 70	9ERI 0.18
Grid Loca STAT HAE MCH MCH MCH MCH HLM	l Ref: dlity: (CO SZ SZ SE SN SE SZ	372.27 [GREAT DIST 13 43 43 43 43 56	kmE 24 MALV PHAS IP IP ES IP	6.24 k ERN, WT 2 1 2	mN HER P C C D	HrMn 09:35 09:35 09:36 09:36 09:36 09:35	RMS: Qualit SECS 51.49 56.33 01.71 01.94 02.20 58.42	0.09 secs y: C AMPL 70	9ERI 0.18
Grid Loca STAT HAE MCH MCH MCH HLM HTR SSP SSP	l Ref: cO SZ SZ SE SN SE SZ SZ SZ SZ SN	372.27 GREAT DIST 13 43 43 43 43 56 59 59 59	kmE 24 MALV PHAS IP IP ES IP IP	6.24 k ERN, WT 2	mN HER P C C D	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:35	RMS: Qualit SECS 51.49 56.33 01.71 01.94 02.20 58.42 58.94 59.15 06.51	0.09 secs y: C AMPL 70 48	9 PERI 0.18 0.14
Grid Loca STAT HAE MCH MCH MCH HCH HLM HTR SSP SSP SSP	l Ref: cO SZ SZ SE SN SE SZ SZ SZ SZ SN SN SN	372.27 GREAT DIST 13 43 43 43 43 43 56 59 59 59 59 59	kmE 24 "MALV PHAS IP IP ES IP IP EP	6.24 k ERN, WT 2 1 2	mN HER P C C D	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:36 09:36	RMS: Qualit SECS 51.49 56.33 01.71 01.94 02.20 58.42 58.94 59.15 06.51 07.71	0.09 secs y: C AMPL 70 48 17	9 PERI 0.18 0.14
Grid Locz STAT HAE MCH MCH MCH HLM HTR SSP SSP SSP SSP	l Ref: cO SZ SZ SZ SE SN SE SZ SZ SZ SZ SN SN SN SN SE	372.27 5 GREAT DIST 13 43 43 43 43 43 43 56 59 59 59 59 59 59 59 59	kmE 24 MALV PHAS IP IP ES IP IP EP ES	6.24 k ERN, WT 2 1 2	mN HER C C C	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:36 09:36 09:36	RMS: Qualit , SECS 51.49 56.33 01.71 01.94 02.20 58.42 58.94 59.15 06.51 07.71 07.56	0.09 secs y: C AMPL 70 48	9 PERI 0.18 0.14
Grid Loca STAT HAE MCH MCH MCH HCH HLM HTR SSP SSP SSP	l Ref: cO SZ SZ SE SN SE SZ SZ SZ SZ SN SN SN	372.27 5 GREAT DIST 13 43 43 43 43 43 56 59 59 59 59 59	kmE 24 "MALV PHAS IP IP ES IP IP EP	6.24 k ERN, WT 2 1 2	mN HER P C C D	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:36 09:36	RMS: Qualit SECS 51.49 56.33 01.71 01.94 02.20 58.42 58.94 59.15 06.51 07.71	0.09 secs y: C AMPL 70 48 17	9 PERI 0.18 0.14
Grid Loca STAT HAE MCH MCH MCH MCH HTR SSP SSP SSP SSP SSP SSP HGH Janual	l Ref: dlity: C CO SZ SZ SE SN SE SZ SZ SN SN SN SN SN SE SZ Y 16	372.27 J GREAT DIST 13 43 43 43 43 43 43 56 59 59 59 59 59 59 60 2000	kmE 24 MALV PHAS IP IP ES IP EP ES IP EP ES IP Time:	6.24 k ERN, WT 2 1 2 2 : 05:5	MN HER P C C D C C	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:36 09:36 09:36	RMS: Qualit , SECS 51.49 56.33 01.71 01.94 02.20 58.94 58.94 59.15 06.51 07.71 07.56 59.34 Magni	0.09 secs y: C AMPL 70 48 17 23 tude: -0	9 PERI 0.18 0.14 0.22 0.25 0.1 ML
Grid Loca STAT HAE MCH MCH MCH MCH HLM HTR SSP SSP SSP SSP SSP SSP HGH Januai Lat:	l Ref: dlity: C SZ SZ SE SN SE SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	372.27 J GREAT DIST 13 43 43 43 43 43 43 56 59 59 59 59 59 59 60 2000 3N	kmE 24 MALV PHAS IP IP ES IP EP ES IP IP Time: Lon:	6.24 k ERN, WT 2 1 2 2 : 05:5 5.5	MN HER P C C D C C 36 58. 73W	HrMn 09:35 09:35 09:36 09:36 09:36 09:35 09:35 09:35 09:35 09:36 09:36 09:36 09:35	RMS: Qualit , SECS 51.49 56.33 01.71 01.94 02.20 58.42 58.94 59.15 06.51 07.71 07.56 59.34 Magni Depth :	0.09 secs y: C AMPL 70 48 17 23 tude: -0 : 7.3 km	 PERI 0.18 0.14 0.22 0.25 .1 ML
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Janua	ry 20	2000	Time:	14:1	0 51.	0 UTC	Magni	itude: 1	.8 ML
Lat: Grie			Lon: kmE 19	3.62 1.82 k				: 11.4 km 0.04 secs	
Loca	ality: 1		EG, MI			ORGAN	Qualit		
STAT	CO	DIST	PHAS	WT		HrMn	SECS	AMPL	PERI
HSA	SZ	40	IP	1	D	14:10	57.98		
HGH	SZ	57	EP	2	C	14:11	$00.80 \\ 00.84$		
HTR MCH	SZ SZ	57 61	IP IP	1 1	C C	14:11 14:11	01.24		
MCH	SN	61	ES	2	C	14:11	01.24		
MCH	SN	61	25	2		14:11	08.86	51	0.21
MCH	SE	61				14:11	08.78	30	0.11
HEX	SZ	62	IP	1	С	14:11	01.52		
HAE	SZ	88	EP	1	C	14:11	05.65		
HTL	SZ	91 91	IP	$\frac{1}{2}$	D	14:11	06.53		
HTL HTL	SN SN	91	ES	2		14:11 14:11	16.90 17.06	28	0.12
HTL	SE	91				14.11	17.00	28 22	0.12
Janua	rv 20	2000	Time	23.4	1 20	6 UTC	Magni	itudo• 1	.2 ML
Lat:	56.68	30N	Lon:	5.14	6W	0010	Depth	: 4.9 km	
			kmE 75 LEVEN,			ND	Qualit	0.05 secs	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KNR	sz	19	EP	2	•	23:41	33.30	1 1.111 12	i Liti
KAR	SZ	50	EP	2		23:41	38.25		
KSB	SZ	61	IP	1	С	23:41	40.19		
KPL	SZ	80	EP	2		23:41	43.42		
KPL	SE	80	ES	3		23:41	52.50	_	
KPL	SN	80				23:41 23:41	56.53	7	0.15
KPL	SE	80				23:41	56.76	8	0.16
Janua	ry 21	2000	Time:	06:0	2 57.	3 UTC	Magni	itude: 1.	.1 ML
Lat:			Lon:		28W		Depth	: 10.1 kn	ı
			kmE 57		тN			0.05 secs	6
			RIES, D				Qualit		
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
BWH	SZ SZ	10 14	IP		C C	06:02	59.87		
BNA BHH	SZ SZ	26	IP IP	1	C	06:03 06:03	$00.47 \\ 02.44$		
BHH	SE	26	ES	2		06:03	02.44		
BHH	SN	26	LU	2		06:03	05.82	51	0.20
BHH	SE	26				06:03	06.18	61	0.21
GCD	SZ	32	IP	1	С	06:03	03.25		
ECK	SZ	33	IP	1	С	06:03	03.43		
ESK	SZ	37	IP	1	С	06:03	03.89		
	SE	37	ES	2		06:03	08.82		
ESK			20	2				15	0.10
ESK	SN	37	20	2		06:03	09.28	15	0.18
			EP	2				15 18	0.18 0.17
ESK ESK	SN SE SZ ry 22	37 37 45 2000	EP	2 12:2		06:03 06:03	09.28 09.29 05.40 Magni	18 itude: 1	0.17
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ESK ESK BBH Januar Lat: Grid Loca STAT EBH	SN SE SZ 56.24 1 Ref: ality: 1 CO SZ	37 37 45 2000 46N 291.20 I BLACK DIST 15	EP Time: Lon: kmE 70' FORD, PHAS IP	2 3.75 7.30 k TAYS WT	56W mN SIDE P C	06:03 06:03 06:03 7 UTC HrMn 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73	18 itude: 1 : 4.6 km 0.05 secs y: B	0.17 .9 ML
ESK ESK BBH Lat: Grid Loca STAT EBH ELO	SN SE SZ 56.2 4 1 Ref: allity: 1 CO SZ SZ	37 37 45 2000 46N 291.20 I BLACK DIST 15 25	EP Time: Lon: kmE 70' FORD, PHAS IP IP	2 3.75 7.30 k TAYS WT	56W mN SIDE P C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25	09.28 09.29 05.40 Magnit Depth RMS: Qualit SECS 33.73 35.42	18 itude: 1 : 4.6 km 0.05 secs y: B	0.17 .9 ML
ESK ESK BBH Lat: Grid Loca STAT EBH	SN SE SZ 56.24 1 Ref: ality: 1 CO SZ	37 37 45 2000 46N 291.20 I BLACK DIST 15	EP Time: Lon: kmE 70' FORD, PHAS IP	2 3.75 7.30 k TAYS WT	56W mN SIDE P C	06:03 06:03 06:03 7 UTC HrMn 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73	18 itude: 1 : 4.6 km 0.05 secs y: B	0.17 .9 ML
ESK ESK BBH Januau Lat: Grid Loc: STAT EBH ELO PCO	SN SE SZ 56.2- 1 Ref: ality: 1 CO SZ SZ SZ SZ SZ	37 37 45 2000 46N 291.20 I BLACK DIST 15 25 36 37 49	EP Time: Lon: kmE 70' FORD, PHAS IP IP IP EP	2 3.75 7.30 k TAYS WT	56W mN SIDE C C C C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25 12:25 12:25 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 35.42 37.23	18 itude: 1 : 4.6 km 0.05 secs y: B	0.17 .9 ML
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ESK ESK BBH Januai Cric Cocc STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI	SN SE SZ ry 22 56.24 I Ref: ality: I CO SZ SZ SZ SZ SZ SZ SN SN SN SE	37 37 45 2000 46N 291.20 I BLACK DIST 15 25 36 37 49 50 50 50 50	EP Time: Lon: smE 70' FORD,' PHAS IP IP EP IP EP IP EP IP ES	2 3.75 7.30 k TAYS WT 1 1 2 2	56W mN SIDE C C C C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.94 46.11	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL	0.17 9 ML 9 PERI
ESK ESK BBH Januai Gric Core STAT EBH ELO PCO EAB EAB EAD EDI EDI EDI EDI EDI EDU	SN SE SZ 56.24 I Ref: ality: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 291.201 BLACK DIST 15 25 36 37 49 50 50 50 50 50 57	EP Time: Lon: kmE 70' FORD, IP IP EP IP EP IP EP IP ES EP	2 12:2 3.75 7.30 k TAYS WT 1 1 2 2 2	56W mN SIDE C C C C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 35.42 37.36 39.31 39.55 45.85 45.84 46.11 40.56	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55	0.17 9 ML 9 PERI 0.16
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ESK ESK BBH Januar Cric STAT EBH ELO EAB EAU EDI EDI EDI EDI EDI EDU PCB	SN SE SZ 56.22 I Ref: ality: I CO SZ SZ SZ SZ SZ SZ SZ SZ SN SN SN SE SZ SZ	37 37 45 2000 46N 291.201 BLACK DIST 15 25 36 37 49 50 50 50 50 50 50 50 50	EP Time: Lon: kmE 70' FORD, IP IP EP IP EP IP EP IP ES EP	2 3.75 7.30 k TTAYS WT 1 1 2 2 2	56W mN SIDE C C C C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualiti SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.85 45.94 46.11 40.566	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104	0.17 9 ML 9 PERI 0.16 0.14
ESK ESK BBH Januai Cric Cocc STAT EBH ELO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SN SE SZ 79 22 56.24 1 Ref: ality: 1 CO SZ SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 291.201 BLACK DIST 15 25 36 37 49 50 50 50 50 50 50 50 66 66	EP Time: Lon: kmE 70' FORD, IP IP EP IP EP IP EP IP ES EP	2 12:2 3.75 7.30 k TAYS WT 1 1 2 2 2	56W mN SIDE C C C C C	06:03 06:03 06:03 7 UTC HrMn 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.94 46.11 40.56 41.91 52.40	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32	0.17 9 ML 9 PERI 0.16 0.14 0.23
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ESK ESK BBH Januar Grid Loc: STAT EBH ELO EDI EDI EDI EDI EDI EDI EDI EDI EDU PGB PGB PGB PGB EBL Januar Loc: STAT KAR KSB KPL KPL KAC	SN SE SZ 56.2: 1 Ref:: 1 CO SZ SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N DIST 15 25 36 37 49 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: KmE 70() FORD, PHAS IP EP IP EP EP EP EP EP Time: KmE 79/ MORAR PHAS EP IP ES EP EP EP EP EP EP EP Time: EP	2 12:2 3.75 TAYS WT 1 1 2 2 2 2 13:4 5.55 2.21 k WT 2 2 2 2 2 3.76 1 1 1 2 2 2 2 2 2 2 2	5 28.	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualiti SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.94 46.11 40.56 41.91 52.40 57.05 42.60 Magni Depth RMS: Qualiti SECS 19.89 20.93 23.31 28.44 30.03 28.97 26.47 Magni	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 km 0.13 secs y: C AMPL 4 10 itude: 0.	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 0.16 0.17 7 ML
ESK ESK BBH Januar Crice STAT EBH ELD EDI EDI EDI EDI EDI EDI EDU PGB PGB PGB EBL Januar STAT KAR KSB KPL KPL KAC Januar	SN SE SZ 56.22 56.22 1 Ref: SZ SZ SZ SZ SZ SZ SSN SS SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 291.201 BLACK DIST 15 25 36 37 49 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: kmE 700, PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	2 12:2 3.77.30 k WT 1 1 2 2 2 13:4 5.50 (2.21 k (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3.5) (3	56W mNN SIDE P C C C C C D MNN HLA P D 5 28.	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualiti SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.85 45.94 46.11 40.56 41.91 52.40 57.05 42.60 Magni Depth RMS: Qualiti SECS 19.89 20.93 23.31 28.44 30.03 28.97 26.47 Magni Depth	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 kn 0.13 secs y: C AMPL 4 10 itude: 0. : 6.4 km	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 0.16 0.17 7 ML
ESK ESK BBH Januai Cori STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SN SE SZ 56.22 56.24 ality: 1 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 2291.201 BLACK DIST 15 25 36 37 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: kmE 70' FORD, PHAS IP EP IP EP EP EP EP EP EP EP EP EP E	2 12:2 3.75 WT 1 1 2 2 2 2 2 13:4 5.5 (C) 2 2 2 2 2 3 3 1 1 2 2 2 2 2 3 5 5 5 5 5 5 5 5	3 15. 3 15. 9 0 3 15. 9 0 5 28. 4 W	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.25 42.60 Magni BECS 37.31 28.44 30.03 28.47 26.47 26.47 26.47 27.47 26.47 27	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 kn 0.13 secs y: C AMPL 4 10 itude: 0. : 6.4 km	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 0.16 0.17 7 ML
ESK ESK BBH Januai Cori STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SN SE SZ S6.2: 1 Ref: 1 CO SZ SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 2291.201 BLACK DIST 15 25 36 37 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: KmE 70(FORD, PHAS IP EP IP EP EP EP EP EP EP EP EP EP EP EP EP EP	2 12:2 3.75 WT 1 1 2 2 2 2 2 13:4 5.5 (C) 2 2 2 2 2 3 3 1 1 2 2 2 2 2 3 5 5 5 5 5 5 5 5	3 15. 3 15. 9 0 3 15. 9 0 5 28. 4 W	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.42 37.23 37.25 42.60 Magni BECS 37.31 28.44 30.03 28.47 26.47 26.47 26.47 27.47 26.47 27	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 kn 0.13 secs y: C AMPL 4 10 itude: 0. : 6.4 km	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 0.16 0.17 7 ML
ESK ESK BBH Januar Crit Grid EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SN SE SZ S6.2: 56.2: 56.2: 56.2: 56.2: 56.2: 57 SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N 291.201 BLACK DIST 15 25 36 37 49 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: kmE 700, PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	2 : 12:22 3.75 WT 1 1 2 2 2 2 : 13:4 5.55 2.21 k WT 2 2 2 2 2 2 2 2 2 2 2 2 2	54W MNN SIDE Р С С С С С С С С С С С С С С С С С С	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.94 46.11 40.56 41.91 52.40 57.05 42.60 Magni Depth RMS: Qualit SECS 19.89 20.93 23.31 28.44 30.03 28.97 26.47 Magni Depth RMS: 20.93 23.31 28.44 30.03 28.97 26.47	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 kn 0.13 secs y: C AMPL 4 10 itude: 0. : 6.4 km 0.06 secs y: C	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 9 FRI
ESK ESK ESK BBH Januar Grid Lat: Grid Loc: STAT EBH ELO EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SN SE SZ S6.2: 1 Ref: 1 CO SZ SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 45 2000 46N DIST 15 25 36 37 49 50 50 50 50 50 50 50 50 50 50 50 50 50	EP Time: Lon: KmE 70(FORD, PHAS IP EP IP EP EP EP EP EP EP EP EP EP EP EP EP EP	2 : 12:22 3.75 WT 1 1 2 2 2 2 : 13:4 5.55 2.21 k WT 2 2 2 2 2 2 2 2 2 2 2 2 2	56W mN SIDE P С С С С C С D 99W mN HHLA P D 5 28. 44W mN HEF	06:03 06:03 06:03 7 UTC 7 UTC 12:25	09.28 09.29 05.40 Magni Depth RMS: Qualit SECS 33.73 35.42 37.23 37.36 39.31 39.55 45.85 45.94 46.11 40.56 41.91 52.40 57.05 42.60 Magni Depth RMS: Qualit SECS 19.89 20.93 23.31 28.44 30.03 28.97 26.47 Magni Depth RMS: Qualit SECS	18 itude: 1. : 4.6 km 0.05 secs y: B AMPL 55 104 32 41 itude: 0. : 14.8 kn 0.13 secs y: C AMPL 4 10 itude: 0. : 6.4 km 0.06 secs y: C	0.17 9 ML 9 PERI 0.16 0.14 0.23 0.27 7 ML 9 PERI 0.16 0.17 7 ML 9 FRI

MCH SN 42 00:35 MCH SE 42 00:35 HLM SZ 55 EP 2 00:35 HTR SZ 59 EP 2 00:35 HGH SZ 60 EP 2 00:35 January 25 2000 Time: 10:48 13.7 UTC Lat: 53.639N Lon: 2.469W 2.469W	40.72 41.39 5 0.12 40.81 8 0.14 37.46 37.97 38.48 Magnitude: 2.0 ML	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grid Ref: 369.02 kmE 416.02 kmN Locality: BOLTON, GTR MANCHESTER STAT CO DIST PHAS LHO SZ 42 IP C 10:48 HPK SZ 66 EP 2 10:48	Depth: 8.0 km RMS: 0.11 secs Quality: C SECS AMPL PERI 21.00 24.75	EBH SZ 118 EP 2 08:51 47.48 GAL SZ 122 EP 2 08:51 48.36 GAL SN 122 08:52 05.31 177 0.21 GAL SE 122 08:52 05.31 160 0.12 EDI SZ 133 EP 2 08:51 50.06
HPK SE 66 ES 2 10:48 HPK SN 66 10:48 HPK SE 66 10:48 KWE SZ 81 IP C 10:48 LMI SZ 85 EP 2 10:48 LMI SN 85 ES 2 10:48	32.82 34.80 86 0.24 36.18 141 0.19 27.22 27.94 37.87	EDI SN 133 08:52 08:39 251 0.28 EDI SE 133 08:52 08:43 244 0.18 KPL SZ 161 EP 2 08:51 53.86 KPL SN 161 08:52 16.81 47 0.14 KPL SE 161 08:52 17.97 77 0.16
LMI SN 85 10:48 LMI SN 85 10:48 LMI SE 85 10:48 CDU SZ 91 IP 1 C 10:48 SBD SZ 97 EP 2 10:48 WPM SZ 105 EP 2 10:48	38.99 30 0.29 39.28 31 0.25 28.73 29.39 30.22	February 12 2000Time: 18:51 6.2 UTCMagnitude: 2.0 MLLat: 52.352NLon: 3.945WDepth: 4.4 kmGrid Ref: 267.51 kmE274.45 kmNRMS: 0.19 secsLocality: ABERYSTWYTH, DYFEDQuality: CComments: 7KM SE OF ABERYSTWYTH
February 3 2000 Time: 04:22 44.4 UTC Lat: 51.381N Lon: 2.773W Grid Ref: 346.22 kmE 165.02 kmN Locality: BRISTOL, AVON Commenter ELT EL AV ROUBTON	Magnitude: 0.8 ML Depth: 2.3 km RMS: 0.35 secs Quality: D	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI WFB SZ 37 IP 1 D 18:51 12.67 HTR SZ 55 IP 1 D 18:51 15.86 SSP SZ 57 EP 2 18:51 15.44 SSP SN 57 ES 2 18:51 22.92 SSP SN 57 18:51 23.58 50 0.17
Comments: FELT FLAX BOURTON COLLAPSE TYPE EVENT STAT CO DIST PHAS WT P HrMn SMD SZ 9 IP 1 D 04:22 SMD SZ 9 ES 1 04:22 HGH SZ 29 IP D 04:22 SWK SZ 45 EP 2 04:22 MCH SZ 70 EP 2 04:22	Intensity: 4+ SECS AMPL PERI 46.80 47.42 49.64 52.96 54.55	SSP SE 57 18:51 24.24 39 0.12 HSA SZ 68 EP 2 18:51 18.03 YRH SZ 71 IP 1 D 18:51 18.42 HPE SZ 73 EP 2 18:51 17.96 HLM SZ 75 EP 2 18:51 18.97 MCH SZ 76 EP 2 18:51 19.08
MCH SZ 70 EP 2 04:22 MCH SN 70 04:23 MCH SE 70 04:23 HAE SZ 75 IP D 04:22 HTR SZ 85 EP 3 04:22	56.56 05.34 5 0.32 05.55 3 0.24 56.98 59.04	MCH SN 76 ES 2 18:51 28.09 MCH SN 76 18:51 28.09 18:51 28.09 MCH SN 76 18:51 28.33 52 0.17 MCH SZ 77 IP 1 C 18:51 19.09 YRE SZ 77 EP 2 18:51 19.32
February 11 2000 Time: 02:16 17.9 UTC Lat: 54.579N Lon: 3.610E 3.610E Grid Ref: 762.38 kmE 534.95 kmN Locality: SOUTHERN NORTH SEA STAT CO DIST PHAS WT P HrMn	Magnitude: 3.2 ML Depth: 20.0 km RMS: 0.23 secs Quality: D SECS AMPL PERI	February 14 2000Time: 00:32 54.2 UTCMagnitude: 0.8 MLLat: 52.812NLon: 0.948WDepth: 12.0 kmGrid Ref: 470.86 kmE 324.35 kmNRMS: 0.01 secsLocality: MELTON MOWBRAY, LEICSQuality: CComments: 6KM NW OF MELTON MOWBRAY
	52.43	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI
ABA SZ 249 EP 2 02:16 AWH SZ 280 EP 2 02:16 LMK SZ 287 EP 3 02:16 APA SZ 291 EP 2 02:16 LCP SZ 328 EP 3 02:17 KSY SZ 330 EP 3 02:17 HPK SZ 348 EP 3 02:17	56.02 57.40 57.46 02.29 02.61 05.29	KEY SZ 11 EP 2 00:32 57.13 CWF SZ 26 IP C 00:32 59.10 CWF SN 26 ES 2 00:33 02.66 CWF SN 26 00:33 02.89 26 0.14 CWF SE 26 00:33 02.94 30 0.09
AWH SZ 280 EP 2 02:16 LMK SZ 287 EP 3 02:16 APA SZ 291 EP 2 02:16 LCP SZ 328 EP 3 02:17 KSY SZ 330 EP 3 02:17 HPK SZ 348 EP 3 02:17 HPK SN 348 ES 2 02:17 HPK SE 348 02:17 02:17 LRN SZ 351 EP 3 02:17 LHO SZ 376 EP 2 02:17 XAL SZ 377 EP 2 02:17	57.40 57.46 02.29	KEY SZ 11 EP 2 00:32 57.13 CWF SZ 26 IP C 00:32 59.10 CWF SN 26 ES 2 00:33 02.66 CWF SN 26 00:33 02.89 26 0.14
AWH SZ 280 EP 2 02:16 LMK SZ 287 EP 3 02:16 APA SZ 291 EP 2 02:16 LCP SZ 328 EP 3 02:17 KSY SZ 330 EP 3 02:17 HPK SZ 348 EP 3 02:17 HPK SN 348 ES 2 02:17 HPK SN 348 ES 2 02:17 LRN SZ 351 EP 3 02:17 LRN SZ 376 EP 2 02:17 CWF SZ 384 ES 2 02:17 CWF SZ 384 EP 2 02:17 CWF SZ 384 ES 2 02:17 CWF SN 384 C 02:17 CWF SZ	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	KEY SZ 11 EP 2 00:32 57.13 CWF SZ 26 IP C 00:32 59.10 CWF SN 26 ES 2 00:33 02.66 CWF SN 26 00:33 02.89 26 0.14 CWF SN 26 00:33 02.89 26 0.14 CWF SE 26 00:33 02.89 26 0.14 CWF SZ 30 IP 1 C 00:32 59.70 February 14 2000 Time: 04:42 45.6 UTC Magnitude: 1.1 ML Lat: 53.132N Lon: 0.832W Depth: 1.0 km RMS: 0.27 secs Grid Ref: 478.16 kmE 360.15 kmN RMS: 0.27 secs Quality: C
AWH SZ 280 EP 2 02:16 LMK SZ 287 EP 3 02:16 APA SZ 291 EP 2 02:16 LCP SZ 291 EP 2 02:16 LCP SZ 328 EP 3 02:17 KSY SZ 330 EP 3 02:17 HPK SZ 348 EP 3 02:17 HPK SN 348 ES 2 02:17 HPK SN 348 02:17 LRN SZ 351 EP 3 02:17 LRN SZ 376 EP 2 02:17 CWF SZ 384 ES 2 02:17 CWF SN 384 ES 2 02:17 CWF SN 384 ES 2 02:17 CWF SZ 389 EP <	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
AWH SZ 280 EP 2 02:16 LMK SZ 287 EP 3 02:16 APA SZ 291 EP 2 02:16 LCP SZ 282 EP 3 02:17 KSY SZ 330 EP 3 02:17 HPK SZ 348 EP 3 02:17 HPK SZ 348 EP 3 02:17 HPK SN 348 ES 2 02:17 HPK SN 348 ES 2 02:17 LRN SZ 351 EP 3 02:17 LHO SZ 376 EP 2 02:17 CWF SZ 384 ES 2 02:17 CWF SN 384 ES 2 02:17 CWF SZ 389 EP 2 02:17 KSO	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

KPL									
	SN	164				06:03	39.18	14	0.17
KPL	SE	164				06:03	40.09	16	0.11
EDI EDI	SZ SN	171 171	EP	2		06:03 06:03	19.30 40.96	23	0.47
EDI	SE	171				06:03	42.53	33	0.35
Fahmu	20	2000	Times	05.5	4 5 1	4.11TC	Maani	tuda. 1	1 MT
Februa Lat:	iry 20 54.76		Lon:	2.11		4 UTC	Magni Depth:	: 11.8 kn	.1 ML
Grid	Ref:	392.72	cmE 540).71 k	mΝ		RMS:	0.08 secs	
			OPE, DU WEST O			ODE	Qualit	y: B	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
XAL	SZ	13	IP		D	05:54	54.66		
XAL BTA	SZ SZ	13 40	ES IP	3	С	05:54 05:54	56.64 58.73		
BTA	SN	40	ES	2	C	05:55	03.78		
BTA	SN	40				05:55	04.38	12	0.16
BTA	SE	40	ED	n		05:55	03.87	11	0.20
LCP LRN	SZ SZ	41 43	EP EP	$\frac{2}{2}$		05:54 05:54	58.83 59.26		
BDL	SZ	53	EP	2		05:55	00.73		
BBH	SZ	67	EP	2		05:55	03.06		
CKE BBO	SZ SZ	67 73	EP EP	2 2		05:55 05:55	02.83 03.73		
BHH	SE	80	ËS	$\overline{2}$		05:55	14.80		
BHH	SN	80				05:55	14.92	9 8	0.40
BHH CSF	SE SZ	80 81	EP	2		05:55 05:55	15.42 04.95	0	0.22
CDU	SZ	85	EP	2		05:55	05.41		
HPK	SZ	95	EP	2		05:55	07.51		
Februa	ary 20	2000	Time:	09:3	1 52.	3 UTC	Magni	tude: 2	.3 ML
Lat:			Lon:	4.10				4.6 km	
			mE 702 , CENTI		mN		Qualit	0.04 secs v: B	
	ments	: FELT	DOUNE				Intensi		
STAT EAB	CO SZ	DIST 15	PHAS IP	WT	P C	HrMn 09:31	SECS 55.30	AMPL	PERI
PCO	SZ	23	IP		D	09:31	56.79		
EBH	SZ	37	IP		C	09:31	59.06		
ELO POB	SZ SZ	39 44	EP IP	1 1	D	09:31 09:32	59.36 00.24		
PGB	SZ	49	ÎP		D	09:32	01.03		
PGB	SE	49	ES	2		09:32	07.16	155	0.00
PGB PGB	SN SE	49 49				09:32 09:32	08.26 07.81	155 130	0.22 0.31
PMS	SZ	56	IP	1		09:32	02.13	100	0101
PCA	SZ	56	IP ED	1	D	09:32	02.10		
EAU EDI	SZ SZ	57 65	EP IP	2 1	С	09:32 09:32	02.16 03.39		
EDI	SN	65	ES	2		09:32	11.34		
EDI EDI	SN SE	65 65				09:32 09:32	$11.50 \\ 11.62$	143 245	0.30 0.16
		05		1	С			245	
EDU	SZ	78	EP	1	C	09:32	05.42		
EDU EBL	SZ SZ	78 81	EP IP	1	C	09:32 09:32	05.42 05.94		
EBL	SZ	81	IP	1	С			tude: 1	.7 ML
EBL Februa Lat:	SZ ary 24 53.03	81 2000 55N	IP Time: Lon:	1 01:0 2.19	С 0 33. 8W	09:32	05.94 Magni Depth:	: 3.7 km	.7 ML
EBL Februa Lat: Grid	SZ ary 24 53.03 Ref: 1	81 2000 55N 386.75 I	IP Time: Lon: cmE 348	1 01:0 2.19 3.71 ki	C 0 33. 8W mN	09:32 6 UTC	05.94 Magni Deptha RMS:	: 3.7 km 0.04 secs	.7 ML
EBL Februa Lat: Grid Loca STAT	SZ ary 24 53.03 Ref: 1 dity: N CO	81 2000 55N 386.75 I NEWCA DIST	IP Time: Lon: cmE 348 STLE-U PHAS	1 01:0 2.19 3.71 k J-LYN WT	C 0 33. 8W mN	09:32 6 UTC STAFFS HrMn	05.94 Magni Depth: RMS: Qualit SECS	: 3.7 km 0.04 secs	.7 ML
EBL Februa Lat: Grid Loca STAT KLE	SZ 53.03 Ref: 1 dlity: N CO SZ	81 2000 55N 386.75 I NEWCA DIST 6	IP Time: Lon: SME 348 STLE-U PHAS EP	1 01:0 2.19 3.71 k J-LYN WT 9	C 0 33. 8W mN 4E, 9	09:32 6 UTC STAFFS HrMn 01:00	05.94 Magni Depth: RMS: Qualit, SECS 36.00	: 3.7 km 0.04 secs y: B	.7 ML
EBL Februa Lat: Grid Loca STAT KLE KLE	SZ 53.03 Ref: 1 Ref: CO SZ SZ SZ	81 2000 55N 386.75 I NEWCA DIST 6 6 6	IP Time: Lon: CME 348 STLE-U PHAS EP ES	1 01:0 2.19 3.71 k J-LYN WT 9 4	C 0 33. 8W mN 4E, 9	09:32 6 UTC STAFFS HrMn 01:00 01:00	05.94 Magni Depth: RMS: Qualit SECS 36.00 37.45	: 3.7 km 0.04 secs y: B	.7 ML
EBL Februa Lat: Grid Loca STAT KLE KLE KWE KBI	SZ 53.03 Ref: 1 dity: N CO SZ SZ SZ SZ SZ	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51	IP Time: Lon: CME 348 STLE-U PHAS EP ES EP IP	1 01:00 2.19 3.71 kr J-LYN WT 9 4 2	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62	: 3.7 km 0.04 secs y: B	.7 ML
EBL Februa Lat: Grid Loca STAT KLE KLE KUE KWE KBI CWF	SZ ary 24 53.03 l Ref: 1 co sz sz sz sz sz sz sz sz sz	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68	IP Time: Lon: CME 348 STLE-U PHAS EP ES EP IP EP	1 01:00 2.19 3.71 kr J-LYN WT 9 4 2 1	C 0 33. 8W mN 4E, 9 P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit; SECS 36.00 37.45 38.11 42.62 45.37	: 3.7 km 0.04 secs y: B	.7 ML
EBL Februa Lat: Grid Loca STAT KLE KLE KWE KBI	SZ ary 24 53.03 I Ref: 1 co SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 55N 386.75 I NEWCA DIST 6 6 24 51 68 68 68	IP Time: Lon: CME 348 STLE-U PHAS EP ES EP IP	1 01:00 2.19 3.71 kr J-LYN WT 9 4 2	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62	: 3.7 km 0.04 secs y: B AMPL	.7 ML 9 PERI
EBL Februa Lat: Grid Loca STAT KLE KLE KUE KBI CWF CWF CWF CWF	SZ ary 24 53.03 1 Ref: CO SZ SZ SZ SZ SZ SZ SZ SZ SN SN SE	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68	IP Time: Lon: cmE 348 STLE-U PHAS EP ES EP IP EP ES	1 01:00 2.19 3.71 kr U-LYN WT 9 4 2 1 3	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 54.24	: 3.7 km 0.04 secs y: B	.7 ML
EBL Februa Lat: Grid Loca STAT KLE KUE KUE KUE KUE KUE CWF CWF CWF CWF SBD	SZ ary 24 53.03 Ref: 1 lity: N CO SZ SZ SZ SZ SZ SN SN SE SZ	81 2000 55N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 73	IP Time: Lon: ComE 348 STLE-U PHAS EP ES EP IP EP ES	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 1 3	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 54.24 45.94	: 3.7 km 0.04 secs y: B AMPL 28	.7 ML 9 PERI 0.25
EBL Februa Lat: Grid Loca STAT KLE KLE KUE KBI CWF CWF CWF CWF	SZ ary 24 53.03 1 Ref: CO SZ SZ SZ SZ SZ SZ SZ SZ SN SN SE	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68	IP Time: Lon: cmE 348 STLE-U PHAS EP ES EP IP EP ES	1 01:00 2.19 3.71 kr U-LYN WT 9 4 2 1 3	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 54.24	: 3.7 km 0.04 secs y: B AMPL 28	.7 ML 9 PERI 0.25
EBL Februa Grid Loca STAT KLE KWE KBI CWF CWF CWF CWF CWF SBD HLM SSP MCH	SZ ary 24 53.03 Ref: N CO SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 5N 386.75 I NEWCA DIST 6 24 51 68 68 68 68 68 68 73 74 92 128	IP Time: Lon: Con: STLE-U PHAS EP ES EP EP EP ES EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 1 3	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.63 49.08 54.71	28 23	0.25 0.20
EBL Februa Lat: Grid Loce STAT KLE KWE KWF CWF CWF CWF CWF CWF CWF CWF SBD HLM SSP MCH	SZ ary 24 53.03 1 Ref: N CO SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68 73 74 92 128 128	IP Time: Lon: cmE 348 STLE-C PHAS EP ES EP IP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 km J-LYN WT 9 4 2 1 3 2 3 2	C 0 33. 8W mN 4E, S P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit , SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.42 45.42 45.63 49.08 54.71 13.00	28 23 18 18	.7 ML PERI 0.25 0.20
EBL Februa Grid Loca STAT KLE KUE KUE KUE KWE CWF CWF CWF CWF CWF CWF CWF CWF CWF CWF	SZ 1 Ref: 1 Ref: 1 Ref: 1 Ref: SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 5N 386.75 I NEWCA DIST 6 6 6 4 51 68 68 68 68 68 68 68 73 74 92 128 128 128	IP Time: Lon: cmE 344 STLE-U PHAS EP ES EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 kt 9 4 2 1 3 2 2 3 2 4	С 0 33. 8W mN ЛЕ, S Р С С	09:32 6 UTC STAFFS HrMn 01:00 01:01	05.94 Magni Depth: RMS: Quality SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.63 49.08 54.71 13.00 13.09	28 23 18 16	0.25 0.27 0.17
EBL Februa Lat: Grid Loce STAT KLE KWE KWF CWF CWF CWF CWF SBD HLM SSP MCH MCH MCH	SZ 1 Ref: 1 Ref: 1 Ref: 1 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68 73 74 92 128 128 128 2000	IP Time: Lon: cmE 348 STLE-(PHAS EP ES EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 1 3 2 4 07:50	С 0 33. 8W mN ИЕ, 5 Р С С С	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.63 49.08 54.71 13.00 13.09 Magni	: 3.7 km 0.04 secs y: B AMPL 28 23 18 16 tude: 0	.7 ML PERI 0.25 0.20 0.27 0.17 8 ML
EBL Februa Grid Loca STAT KLE KWE KWE KWF CWF CWF CWF CWF CWF CWF CWF CWF CWF C	SZ s3,03 S3,03 S4,04	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68 73 74 92 128 128 128 2000 9N 175.62 I	IP Time: Lon: cmE 348 STLE-U PHAS EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki 9 4 2 1 3 2 4 07:50 5.70 2.50 ki	C 0 33. 8W mN 4E, S P C C C 6 49. 1W mN	09:32 6 UTC STAFFS HrMn 01:00 01:01 01	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.63 49.08 54.71 13.00 Magni Depth: RMS: Magni	28 28 23 16 10 10 10 10 10 10 10 10 10 10 10 10 10	.7 ML PERI 0.25 0.20 0.27 0.17 8 ML
EBL Februa Lat: Grid Loce STAT KLE KWE CWF CWF CWF CWF CWF CWF CWF CWF SBD HLM SSP MCH MCH MCH MCH March Lat: Grid Loce	SZ 1112 11	81 2000 5N 386.75 I 015T 6 6 24 51 68 68 68 68 68 68 68 73 74 128 128 128 128 128 128 128 128	IP Time: Lon: cmE 344 STLE-U PHAS EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 1 3 2 4 07:55 5.70 5.70 L50 ki IGHI	C 0 33. 8W mN 4E, S P C C C C 6 49. 1W mN ANI	09:32 6 UTC STAFFS HrMn 01:00 00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.63 49.08 54.71 13.00 13.09 Magni Depth: RMS: Qualit,	28 23 18 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10	.7 ML .7 ML .7 ML .7 ML .7 ML .7 ML .7 ML
EBL Februa Grid Loca STAT KLE KWE KWE KWF CWF CWF CWF CWF CWF CWF CWF CWF CWF C	SZ s3,03 S3,03 S4,04	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 68 73 74 92 128 128 128 2000 9N 175.62 I	IP Time: Lon: cmE 348 STLE-U PHAS EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki 9 4 2 1 3 2 4 07:50 5.70 2.50 ki	C 0 33. 8W mN 4E, S P C C C 6 49. 1W mN	09:32 6 UTC STAFFS HrMn 01:00 01:01 01:00 01:01 01	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.63 49.08 54.71 13.00 Magni Depth: RMS: Magni	28 28 23 16 10 10 10 10 10 10 10 10 10 10 10 10 10	.7 ML PERI 0.25 0.20 0.27 0.17 8 ML
EBL Februa Grid Loca STAT KLE KWE KWE CWF CWF CWF CWF CWF CWF CWF CWF CWF CWF	SZ SZ SZ S3.03 S.05 S.05 S.05 S.05 SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	81 2000 5N 386.75 I DEWCA DIST 6 24 51 68 68 68 68 68 73 74 92 128 128 128 128 2000 DIST 175.62 I KNOYD DIST 17 31	IP Time: Lon: cmE 348 STLE-U PHAS EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 3 2 4 07:50 5.70 2.50 ki IGHI WT 2	C 0 33. 8W mN ME, S P C C C C 6 49. 1W mN ANI P	09:32 6 UTC STAFFS HrMn 01:00 01:01 01	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.94 45.94 45.94 45.63 49.08 54.71 13.00 Magni Depth: RMS: Qualit, SECS 35.64	28 23 18 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10	.7 ML .7 ML .7 ML .7 ML .7 ML .7 ML .7 ML
EBL Februa Lat: Grid Loce STAT KLE KWF CWF CWF CWF CWF CWF SBD HLM SSP MCH MCH MCH MCH MCH MCH SSP MCH MCH KPL	SZ 1112 11	81 2000 5N 386.75 I 015T 6 6 24 51 68 68 68 68 68 68 73 74 128 128 128 128 128 128 128 128	IP Time: Lon: cmE 348 STLE-U PHAS EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 3 2 4 07:55 5.70 2.50 ki IGHI WT	C 0 33. 8W mN ME, S P C C C C 6 49. 1W mN ANI P	09:32 6 UTC STAFFS HrMn 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:00 01:01 01:01 9 UTC	05.94 Magni Depth: RMS: Qualit SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.42 45.63 49.08 54.71 13.00 13.09 Magni Depth: RMS: SJ.50 55.64	28 23 18 16 10 10 10 10 10 10 10 10 10 10 10 10 10	0.25 0.20 0.27 0.17 8 ML
EBL Februa Grid Loce STAT KLE KWE KWE CWF CWF CWF CWF CWF CWF CWF CWF CWF CWF	SZ 111111111111111111111111111111111111	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 73 74 92 128 128 128 128 128 128 128 12	IP Time: Lon: CME 348 STLE-U PHAS EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki -LYN WT 9 4 2 3 2 4 07:55 5.70 2.50 ki GHI WT 2 2 2	С 0 33. MMN 4E, S P С С С 1W MN ANII P D	09:32 6 UTC STAFFS HrMn 01:00 01:01 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:05 01:55 01	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.94 45.63 49.08 54.71 13.00 13.09 Magni Depth: RMS: Qualit, SECS 53.50 55.64 59.91	28 23 18 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10	.7 ML .7 ML .7 ML .7 ML .7 ML .7 ML .7 ML
EBL Februa Lat: Grid Loce STAT KLE KWE KWF CWF CWF CWF SBD HLM SSP MCH MCH MCH MCH MCH MCH MCH KPL KPL	SZ 1112 1122 12	81 2000 5N 386.75 I NEWCA DIST 6 6 24 51 68 68 68 68 68 73 74 92 128 128 128 128 128 128 128 12	IP Time: Lon: cmE 348 STLE-U PHAS EP EP EP EP EP EP EP EP EP EP EP EP EP	1 01:00 2.19 3.71 ki J-LYN WT 9 4 2 3 2 4 07:50 5.70 2.50 ki IGHI WT 2	C 0 33. 8W mN ME, S P C C C C 6 49. 1W mN ANI P	09:32 6 UTC STAFFS HrMn 01:00 00 00 00 00 00 00 00 00 00 00 00 00	05.94 Magni Depth: RMS: Qualit, SECS 36.00 37.45 38.11 42.62 45.37 53.71 54.24 45.42 45.63 49.08 54.71 13.00 13.09 Magni Depth: RMS: Qualit, SECS 53.50 55.64 59.50	28 23 28 23 18 16 10 5.9.6 km 0.10 secs y: C AMPL	7 ML PERI 0.25 0.20 0.27 0.17 8 ML 9 9 9 9 8 ML 0 1 1 1 1 1 1 1 1

	54.77 Ref:	345.82	Lon: cmE 542	2.84 .38 k	2W mN	6 UTC	Depth RMS:	itude: 0 : 11.8 km 0.09 secs	ı
			WAITE,				Qualit		
STAT	CO	DIST	PHAS	WT	Ρ	HrMn	SECS	AMPL	PERI
BDL	SZ	7	IP		D	22:06	34.32		
BTA	SZ	18	IP	1	D	22:06	35.43		
BTA	SN	18	ES	2		22:06	38.09		
BTA	SN	18				22:06	38.48	30	0.08
BTA	SE	18				22:06	38.61	20	0.18
BBO	SZ	26	IP	1	С	22:06	36.69		
BBO	SE	26	ES	2		22:06	40.32		
CKE	SZ	27	EP	1	С	22:06	36.74		
BBH	SZ	41	EP	2		22:06	38.94		
XAL	SZ	42	EP	2		22:06	39.17		
CSF	SZ	45	EP	2		22:06	39.50		
XDE	SZ	51	IP	1	С	22:06	40.64		
CDU	SZ	54	EP	2		22:06	41.20		
BNA	SZ	55	EP	2		22:06	41.31		
BWH	SZ	69	EP	2		22:06	43.61		
March	13	2000	Time:	21.1	4 4 1	UTC	Magni	tude: 0	8 ML
Lat:			Lon:		31W			: 13.4 km	
			cmE 325					0.05 secs	
			SBURY			SHIRE	Qualit		
			NNE OI				•	•	
STAT	CO	DIST	PHAS	WT	Ρ	HrMn	SECS	AMPL	PERI
HLM	SZ	37	EP	2		21:14	10.69		
SBD	SZ	40	EP	2		21:14	11.24		
SSP	SZ	54	EP	2		21:14	13.41		
SSP	SN	54	ES	2		21:14	20.40		
SSP	SN	54				21:14	20.47	5	0.06
SSP	SE	54				21:14	22.72	4	0.20
KWE	SZ	60	EP	2		21:14	14.56		
WFB	SZ	93	EP	2		21:14	19.47		
March		2000				2 UTC		itude: 0	
Lat:			Lon:		39W			: 1.0 km	
			ME 367					0.31 secs	
	ments		TON, NO	115)		Qualit	y: D	
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
KBI	SZ	33	EP	2	T	04:34	46.88	AWITL	LINI
CWF	SZ	55	EP	3		04:34	50.24		
CWF	SE	55	ES	3		04:34	57.57		
	0.0		20					7	0.17
	SN	55					01.70		
CWF	SN SE	55 55				04:35 04:34	01.70 59.14		0.16
CWF CWF	SE	55	EP	1	С	04:34	59.14	6	0.16
CWF CWF KWE	SE SZ	55 58	EP ES	1 3	С	04:34 04:34			0.16
CWF CWF	SE	55			С	04:34	59.14 50.15		0.16
CWF CWF KWE KWE	SE SZ SZ 17	55 58 58 2000	ES Time:	3 02:0	5 56.	04:34 04:34	59.14 50.15 58.38 Magni	6 itude: 0	.9 ML
CWF CWF KWE KWE March Lat:	SE SZ SZ 17 53.14	55 58 58 2000 41N	ES Time: Lon:	3 02:0 2.32	5 56. 27W	04:34 04:34 04:34	59.14 50.15 58.38 Magni Depth	6 itude: 0 : 11.2 km	.9 ML
CWF CWF KWE KWE March Lat: Grid	SE SZ SZ 17 53.14 I Ref:	55 58 58 2000 41N 378.14 I	ES Time: Lon: cmE 360	3 02:0 2.32 0.53 k	5 56. 27W mN	04:34 04:34 04:34 6 UTC	59.14 50.15 58.38 Magni Depth RMS:	6 itude: 0 : 11.2 km 0.16 secs	.9 ML
CWF CWF KWE KWE March Lat: Grid Loca	SE SZ SZ 17 53.14 I Ref: ality: S	55 58 58 2000 41N 378.14 I SANDB	ES Time: Lon: cmE 360 ACH, CI	3 02:0 2.32 0.53 k HESH	5 56. 27W mN IIRE	04:34 04:34 04:34 6 UTC	59.14 50.15 58.38 Magni Depth RMS: Qualit	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE KWE March Lat: Grid Loca STAT	SE SZ SZ 17 53.14 I Ref: olity: S CO	55 58 58 2000 41N 378.14 I SANDB. DIST	ES Time: Lon: cmE 360 ACH, CH PHAS	3 02:0 2.32 0.53 k HESH WT	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS	6 itude: 0 : 11.2 km 0.16 secs	.9 ML
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE	SE SZ SZ 17 53.14 I Ref: olity: S CO SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35	ES Time: Lon: cmE 360 ACH, CH PHAS IP	3 02:0 2.32 0.53 k HESH WT 1	5 56. 27W mN IIRE	04:34 04:34 04:34 6 UTC HrMn 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE March Lat: Grid Loca STAT KWE KBI	SE SZ SZ 17 53.14 Ref: dlity: S CO SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55	ES Time: Lon: cmE 360 ACH, CH PHAS IP EP	3 02:0 2.32 0.53 k HESH WT 1 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO	SE SZ SZ 17 53.14 I Ref: olity: S CO SZ SZ SZ	55 58 58 2000 41N 378.14 I 5ANDB DIST 35 55 55 55	ES Time: Lon: cmE 360 ACH, CH PHAS IP EP EP EP	3 02:0 2.32 0.53 k HESH WT 1 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD	SE SZ SZ 17 53.14 I Ref: olity: S CO SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 55 68	ES Time: Lon: cmE 360 ACH, CH PHAS IP EP EP EP EP	3 02:0 2.32 0.53 k IESH WT 1 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM	SE SZ SZ 17 53.14 Ref: Ility: S CO SZ SZ SZ SZ SZ SZ	55 58 58 20000 41N 378.14 I 55ANDB 0IST 35 55 55 68 79	ES Time: Lon: cmE 360 ACH, CH PHAS IP EP EP EP EP EP	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42	6 itude: 0 : 11.2 km 0.16 secs y: C	.9 ML 1
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF	SE SZ SZ 17 53.14 I Ref: Ility: S CO SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 68 79 82	ES Time: Lon: cmE 360 ACH, CH PHAS IP EP EP EP EP	3 02:0 2.32 0.53 k IESH WT 1 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68	6 itude: 0. : 11.2 kn 0.16 secs y: C AMPL	9 ML
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CWF CWF KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF	SE SZ SZ 17 53.14 I Ref: Ility: S CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 68 79 82 82 82 82	ES Time: Lon: cmE 36(d) ACH, CI PHAS IP EP EP EP EP EP EP ES	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25	6 itude: 0 : 11.2 km 0.16 secs y: C AMPL 4	9 ML
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CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF	SE SZ SZ 17 53.14 Ref: allity: S CO SZ SZ SZ SZ SZ SZ SZ SE SN SE SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 68 79 82 82 82 82 96	ES Time: Lon: ComE 36(ACH, CI PHAS IP EP EP EP EP ES EP	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4	9 ML 9 9 9 9 9 9 9 8 9 9 8 1 9 9 8 1 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10
CWF CWF KWE KWE March Later STAT KWE KBI LHO SBD HLM CWF CWF CWF SSP SSP	SE SZ SZ 17 53,14 Ref: CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I 5ANDB 0IST 35 55 55 68 79 82 82 82 82 82 96 96	ES Time: Lon: ComE 36(ACH, CI PHAS IP EP EP EP EP ES EP	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50	6 itude: 0 : 11.2 km 0.16 secs y: C AMPL 4	9 ML 9 PERI 0.13
CWF CWF KWE KWE CWF SED HLHO SBD HLM CWF CWF SSP SSP	SE SZ SZ 17 53.14 I Ref: CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 68 79 82 82 82 82 82 82 96 96 96	ES Time: Lon: ComE 36(ACH, CI PHAS IP EP EP EP EP ES EP	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15	6 itude: 0. : 11.2 kn 0.16 secs y: C AMPL 4 4 4	9 ML 9 PERI 0.13 0.14 0.13
CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF SSP SSP SSP SSP	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I 55 55 55 68 79 82 82 82 82 82 96 96 96 96	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP ES EP ES	3 02:0 2.32 0.53 k IESH WT 1 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67	6 itude: 0. : 11.2 kn 0.16 secs y: C AMPL 4 4 4	9 ML 9 PERI 0.13 0.14 0.13
CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 11N 378.14 I 5ANDB DIST 35 55 55 68 79 82 82 82 82 96 96 96 96 96 106	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP ES EP ES EP	3 02:0 2.32 5.53 k HESH 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 07.80 09.42 12.50 23.95 25.15 24.67 14.18	6 itude: 0. : 11.2 kn 0.16 secs y: C AMPL 4 4 4	9 ML 9 PERI 0.13 0.14 0.13
CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP WPM YLL WFB	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SS SN SS SS SS SS SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 68 79 82 82 82 82 82 96 96 96 96 96 106 124 126	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP ES EP EP EP EP EP EP	3 02:00 2.32 0.53 k HESH 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE D	04:34 04:34 04:34 6 UTC HrMn 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75	6 itude: 0. : 11.2 kn 0.16 secs y: C AMPL 4 4 4 2	9 ML PERI 0.13 0.14 0.13 0.10
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CWF CWF KWE KWE KWE CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP WPM YLL WFB March Lat: CWF CWF	SE SZ SZ SZ SZ SE SZ SZ SZ SZ SZ SZ SN SN SN SN SN SS SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I 55 55 68 79 82 82 82 82 82 82 82 82 96 96 96 96 106 124 126 2000 38N 280.27 I	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP ES EP EP EP EP EP ES S Time: Lon: cmE 35(3 02:00 2.32 5.53 k HESH 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 27W mN IIRE P D 7 25. 36W mN	04:34 04:34 04:34 6 UTC hrMn 02:06 02:	59.14 50.15 58.38 Magni Depth RMS: 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth 16.33 16.75	6 itude: 0: : 11.2 kn 0.16 secs y: C AMPL 4 4 4 2 itude: 0: : 14.5 kn 0.04 secs	9 ML 9 PERI 0.13 0.14 0.13 0.10
CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SS SS SS	55 58 58 2000 41N 378.14 I SANDB. DIST 35 55 55 55 68 79 82 82 82 82 96 96 96 96 96 96 96 96 96 96 96 98 280 280 280 27 I BETWS	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP Time: Lon: cmE 35(-Y-COE	3 02:0 2.32 3.53 k HESH WT 1 2 2 2 2 2 2 2 2 2 2 3 2 2 3.78 8 .46 k D, G ^V	5 56. 27W mN IIRE P D 7 25. 36W mN WYN	04:34 04:34 04:34 6 UTC HrMn 02:06 02:	59.14 50.15 58.38 Magni Depth RMS: Qualiti SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth	6 itude: 0: : 11.2 kn 0.16 secs y: C AMPL 4 4 4 2 itude: 0: : 14.5 kn 0.04 secs	9 ML 9 PERI 0.13 0.14 0.13 0.10
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ 17 53.14 Ilef: SC SZ SZ SZ SZ SZ SSN SN SSN SSN SSN SSN S	55 58 58 58 2000 41N 378,141 5ANDB. DIST 35 55 55 68 79 82 82 82 82 82 82 82 82 96 96 96 96 96 96 106 124 126 2000 38N 280.271 BETWS 56 KS	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP EP ES Con:	3 02:0 2.33 4 HESH WT 1 2 2 2 2 2 2 2 2 2 2 2 3 2 09:5 3.78 0.46 k D, GY	5 56. 27W MMN IIRE P D 7 25. 36W MN WYN -Y-C	04:34 04:34 04:34 04:34 6 UTC 6 UTC 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ IRef:: CO SZ SZ SZ SZ SZ SS SN SN SS SN SN SN SN SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378,141 5ANDB. DIST 35 55 68 79 82 82 82 82 82 82 82 96 96 96 96 96 104 124 126 2000 38N 280,271 BETWS 5 BETWS	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP ES ES EP EP EP EP EP EP EP Con: cmE 35(-Y-COE S OF BE PHAS	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 09:5 3.78 k0, GV FWS WT	5 56. 27W mN IIRE P D 7 25. 36W mN WYN -Y-C P	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS	6 itude: 0: : 11.2 kn 0.16 secs y: C AMPL 4 4 4 2 itude: 0: : 14.5 kn 0.04 secs	9 ML 9 PERI 0.13 0.14 0.13 0.10
CWF CWF KWE KWE KWE CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ IT 53.14 Ref: SZ SZ SZ SZ SZ SZ SZ SN SN SN SN SS SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I 55 55 68 79 82 82 82 82 82 82 82 82 96 96 96 106 124 126 2000 38N 280.27 I BETWS : 6KM S DIST 26	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 0.53 k HESE WT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 27W MMN IIRE P D 7 25. 36W MN WYN -Y-C	04:34 04:34 04:34 04:34 6 UTC hrMn 02:06 02:05 02:06 02:05 02:06 02:05 02:	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Loce STAT KWE KBI LHO SBD CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ 17 53.14 IRef: SC SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 58 58 58 58 58 58 58 58 55 55	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP Con: cmE 35(-Y-COE S OF BE PHAS IP ES	3 02:0 2.32 0.53 k HESH 1 2 2 2 2 2 2 2 2 2 2 3 3 2 09:5 3.78 k 0, GV FWS WT 1 3	5 56. 77W mN IIRE D 7 25. 66W MN WYN -Y-C P D	04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:050	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ 17 53.12 CO SZ SZ SZ SZ SZ SZ SZ SN SN SN SN SZ SZ SZ 17 53.03 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 2000 41N 378,141 5ANDB. DIST 35 55 55 68 79 82 82 82 82 82 82 96 96 96 96 96 96 96 96 96 96 96 96 96	ES Time: Lon: CmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP E	3 02:0 2.33 5.53 k HESH 1 2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 09:5 3.76 0,67 FWS WT 1 3 1	5 56. 27W mN IIRE P D 7 25. 36W mN WYN -Y-C P	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:050	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 03.31 30.28	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ IRef:: 53.14 IRef: 53.14 CO SZ SZ SZ SZ SZ SZ SZ SS SN SN SN SS SN SN SN SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N DIST 35 55 68 79 82 82 82 82 82 82 82 96 96 96 96 106 124 126 2000 38N 280.27 I BETWS 2000 38N 280.27 I BETWS 2000 124 126 26 26 28 28	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 53 k WT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIRE P D D 7 25. 36W MN WYN V-Y-C P D D	04:34 04:34 04:34 04:34 6 UTC 6 UTC 02:06 02:050	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Loce STAT KWE KBI LHO SBD CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ 17 53.12 CO SZ SZ SZ SZ SZ SZ SZ SN SN SN SN SZ SZ SZ 17 53.03 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 2000 41N 378,141 5ANDB. DIST 35 55 55 68 79 82 82 82 82 82 82 96 96 96 96 96 96 96 96 96 96 96 96 96	ES Time: Lon: CmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP E	3 02:0 2.33 5.53 k HESH 1 2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 09:5 3.76 0,67 FWS WT 1 3 1	5 56. 77W mN IIRE P D D S 60W WYN -Y-C P D D D	04:34 04:34 04:34 04:34 6 UTC hrMn 02:06 02:05 02:	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378.14 I 55 55 68 79 82 82 82 82 82 82 82 82 96 96 96 96 106 124 126 2000 38N 280.27 I BETWS 280.27 I BETWS 26 28 38	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 5.53 k HESH WT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIRE P D D 7 25. 36W MN WYN V-Y-C P D D	04:34 04:34 04:34 04:34 6 UTC 6 UTC 02:06 02:050	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ 17 53.14 IRef: SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 58 58 58 58 58 58 58 55 55 5	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP E	3 02:0 2.32 0.53 k HESH UT 1 2 2 2 2 2 2 2 2 2 3 7 09:5 3.7% 0.46 k 0.46 k VT 1 3 1 1 3 1	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:05 02:050	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86 32.52	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SN SN SE SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 58 58 58 58 58 58 58 55 55 68 79 82 82 82 82 82 82 82 82 96 96 96 96 96 96 96 96 96 96 96 96 96	ES Time: Lon: CmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP E	3 02:0 2.32 0.53 k HESH WT 1 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 00:57 09:57 09:57 09:57 09:57 09:57 09:57	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86 22.52 32.74	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE KWE KWE CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP WPM YLL WFB March Lac: COM STAT WPM WPM YLL SBD WFB YRE WLF	SE SZ SZ SZ 17 53.12 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 2000 41N DIST 35 55 68 79 82 82 82 82 82 82 82 96 96 96 96 106 124 126 2000 38N 280.27 I BETWS 2626 26 28 28 28 38 43 50	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 553 k WT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:07 02:57 09:57 09:57 09:57 09:57 09:57 09:57 09:57	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86 32.52 32.74 33.31	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP WPM YLL WFB March Lat: Grid Loce Com STAT WPM WFB SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 58 58 58 58 58 58 58 55 55 5	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 0.53 k HESH UT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:57 00:57	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 03.31 30.28 33.31 30.28 34.03 31.86 32.52 32.74 33.31 34.64	6 itude: 0. : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0. : 14.5 km 0.04 secs y: B AMPL	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML
CWF CWF KWE KWE March Lat: Grid Loce STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ 17 53.12 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 58 58 58 58 58 000 011N 378,14 I 5ANDB. DIST 35 55 55 68 82 82 82 82 82 82 82 82 82 96 96 96 96 96 96 96 106 124 126 2000 38N 280.27 I BETWS 2000 38N 280.27 I BETWS 26 26 28 28 28 28 28 28 28 28 28 28 28 28 28	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	3 02:0 2.32 0.53 k HESH UT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:05 0 02:57 09:57	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86 32.52 32.74 33.31 34.64 35.45	6 itude: 0, : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0 : 14.5 km 0.04 secs y: B AMPL	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML 9 PERI
CWF CWF KWE KWE March Lat: Grid Loca STAT KWE KBI LHO SBD HLM CWF CWF CWF CWF CWF CWF CWF CWF SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 58 58 2000 41N 378,141 5ANDB. DIST 35 55 68 79 82 82 82 82 82 82 82 96 96 96 96 96 96 124 126 2000 38N 280,271 BETWS 5 DIST 26 26 26 28 28 38 43 43 50 58 36 36 36 36 36 36 36 36 36 36 36 36 36	ES Time: Lon: cmE 36(ACH, CI PHAS IP EP EP EP EP EP EP EP EP EP E	3 02:0 2.32 0.53 k HESH UT 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 56. 77W IIIRE P D D 56W MN WYN -Y-C P D D C	04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 04:34 02:06 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 02:05 00 00 00 00 00 00 00 00 00 00 00 00 0	59.14 50.15 58.38 Magni Depth RMS: Qualit SECS 03.11 06.08 05.89 07.80 09.42 19.68 20.39 20.25 12.50 23.95 25.15 24.67 14.18 16.33 16.75 Magni Depth RMS: Qualit SECS 29.96 33.31 30.28 34.03 31.86 32.52 22.74 33.31 34.64 35.45	6 itude: 0. : 11.2 km 0.16 secs y: C AMPL 4 4 4 3 2 itude: 0. : 14.5 km 0.04 secs y: B AMPL	9 ML 9 PERI 0.13 0.14 0.13 0.10 4 ML 9 PERI 0.11

Loca	53.21 Ref: lity: (215.10 I CAERN	Lon: cmE 372 ARVON	4.77 .44 k BAY	0W mN , GV	3 UTC VYNEDD	Depth: RMS:	tude: 0 : 17.3 kn 0.07 sec: y: C	1
STAT	CO	DIST	SW OF PHAS	WT	P	AD HrMn	SECS	AMPL	PERI
YRC	SZ SZ	14 23	IP IP	1	C C	08:50	44.95		
WCB WCB	SZ SN	23 23	ES	2	C	08:50 08:50	46.09 49.20		
WCB	SN	23				08:50	49.28	8	0.13
WCB WLF	SE SZ	23 26	EP	2		08:50 08:50	49.28 46.38	13	0.13
YRE	SZ	35	EP	2		08:50	47.57		
WME YLL	SZ SZ	37 41	IP EP	$\frac{1}{2}$	С	08:50 08:50	47.92 48.70		
									0.147
March Lat:		2000 38N	Lon:	3.62		9 UTC		tude: 0 : 10.2 kn	
			cmE 578		mΝ			0.07 sec	5
STAT	CO	DIST	CIES, D & PHAS	WT	Р	HrMn	Qualit SECS	у: В AMPL	PERI
BWH	SZ	10	IP		С	15:38	41.54		
BNA BHH	SZ SZ	14 26	IP IP	1 1	C D	15:38 15:38	42.03 44.03		
BHH	SE	26	ËS	2	D	15:38	47.31		
BHH BHH	SN SE	26 26				15:38 15:38	47.44 47.68	28 36	0.22 0.20
GCD	SZ	32	EP	2		15:38	44.85	50	0.20
ECK	SZ	33	EP	2	0	15:38	45.07		
ESK ESK	SZ SE	37 37	IP ES	2	С	15:38 15:38	45.58 50.01		
ESK	SN	37				15:38	50.97	11	0.12
ESK	SE	37				15:38	50.90	12	0.11
March		2000				4 UTC	Magni		.9 ML
Lat: Grid			Lon: cmE 578	3.62 3.36 k				: 10.0 kn 0.07 sec:	
Loca	ılity: I	DUMFR	IES, D &	k G			Qualit	y: B	
STAT BWH	CO SZ	DIST 10	PHAS IP	WΤ	P C	HrMn 21:54	SECS 59.00	AMPL	PERI
BNA	SZ	14	IP		Ĉ	21:54	59.51		
BHH BHH	SZ SN	26 26	IP ES	$\frac{1}{2}$		21:55 21:55	01.44 04.60		
BHH	SN	26	LS	2		21:55	04.92	33	0.22
BHH GCD	SE SZ	26 32	EP	2		21:55 21:55	05.57 02.33	36	0.44
ECK	SZ	32	IP	1	D	21:55	02.53		
ESK	SZ	37	IP	2	С	21:55	03.04		
ESK ESK	SN SN	37 37	ES	2		21:55 21:55	07.64 08.43	14	0.14
ESK	SE	37	m		a	21:55	08.44	16	0.18
BBH	SZ	44	IP		С	21:55	04.52		
March Lat:		2000 1 N	Time: Lon:	05:2		8 UTC	Magni	tude: 1 : 9.2 km	.0 ML
			cmE 487					0.07 sec	
		RISH S		11/T	р	ILM	Qualit	y: C AMPL	DEDI
LMI	SZ	20	PHAS IP	WI	P C	HrMn 05:23	SECS 17.81	AMPL	PERI
LMI	SE	20	ES	2		05:23	20.69	20	0.10
LMI LMI	SN SE	20 20				05:23 05:23	20.71 21.43	28 26	0.18 0.16
CDU	SZ	28	IP		С	05:23	18.89		
CSF CKE	SZ SZ	31 48	IP EP	2	С	05:23 05:23	19.33 22.20		
GIM	SZ	56	IP	1	С	05:23	23.65		
GIM GIM	SN SN	56 56	ES	2		05:23 05:23	30.18 32.40	8	0.11
GIM	SE	56				05:23	30.76	11	0.11
GCD WCB	SZ	69	EP	2 2		05:23	25.60 33.48		
WCB	SZ SN	$117 \\ 117$	EP	2		05:23 05:23	35.48 49.49	5	0.14
WCB	SE	117				05:23	48.48	5	0.14
March		2000	Time:			UTC	Magni		.4 ML
	Ref:	314.96 l	Lon: mE 199		mΝ		RMS:	: 1.0 km 0.14 sec:	
Loca	ılity: I	BARGO	ED, MII			ORGAN	Qualit		
STAT	ments	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
SIAI	CO				С	01:35	15.05		
HGH	SZ	30	IP ID				15.05		
			IP IP ES	2	c	01:35 01:35	16.44 21.31		
HGH MCH MCH MCH	SZ SZ SN SN	30 38 38 38	IP	2		01:35 01:35 01:35	16.44 21.31 21.81	30 22	0.09
HGH MCH MCH	SZ SZ SN SN SE	30 38 38	IP	2		01:35 01:35 01:35 01:35	16.44 21.31 21.81 21.43	30 22	0.09 0.15
HGH MCH MCH MCH MCH HTR SMD	SZ SZ SN SN SE SZ SZ	30 38 38 38 38 38 44 55	IP ES IP EP	1 2	С	01:35 01:35 01:35 01:35 01:35 01:35	16.44 21.31 21.81 21.43 17.39 18.91		
HGH MCH MCH MCH HTR SMD HAE	SZ SZ SN SN SE SZ SZ SZ	30 38 38 38 38 38 44 55 62	IP ES IP EP EP	1 2 2	С	01:35 01:35 01:35 01:35 01:35 01:35 01:35	16.44 21.31 21.81 21.43 17.39 18.91 20.19		
HGH MCH MCH MCH MCH HTR SMD	SZ SZ SN SN SE SZ SZ	30 38 38 38 38 38 44 55	IP ES IP EP	1 2	С	01:35 01:35 01:35 01:35 01:35 01:35	16.44 21.31 21.81 21.43 17.39 18.91		

HTL HTL	SE SN	116 116	ES	2		01:35 01:35	42.87 44.45	11	0.19
HTL	SE	116		•• -		01:35	44.64	14	0.27
March Lat:	52.89		Lon:	2.54	16W	8 UTC	Depth:	tude: 1 5.3 km	
Loca	lity: N	IARKF	mE 33. ET DRA	YTO	N, SA		Qualit		
STAT HLM	CO SZ	DIST 48	PHAS IP	WT 1	P C	HrMn 20:59	SECS 02.24	AMPL	PERI
SBD KWE	SZ SZ	48 49	IP IP	1	C C	20:59 20:59	02.25 02.39		
SSP SSP	SZ SN	66 66	ËP ES	1 3	č	20:59 20:59	05.09 13.19		
SSP	SN	66	1.5	3		20:59	13.75	37	0.14
SSP KBI	SE SZ	66 79	IP	1	С	20:59 20:59	15.50 07.19	31	0.23
CWF CWF	SZ SN	85 85	EP ES	$\frac{2}{2}$		20:59 20:59	08.04 17.74		
CWF CWF	SN SE	85 85				20:59 20:59	18.25 20.82	55 24	$0.20 \\ 0.11$
HAE	SZ	96	EP	1	D	20:59	10.36	24	0.11
HCG MCH	SZ SN	99 105	EP ES	2 4		20:59 20:59	$10.20 \\ 23.60$		
МСН МСН	SN SE	105 105				20:59 20:59	23.86 25.50	45 33	0.22 0.19
March	26	2000	Time:	15:4	3 28.	9 UTC	Magni	tude: 0	.9 ML
Lat: Grid	56.24 Ref: 2		Lon: mE 70		18W mN			5.4 km 0.07 secs	
			FORD, PHAS			HrMn	Qualit SECS		PERI
EBH	SZ	15	IP	W I	С	15:43	31.94	AMPL	PERI
ELO PCO	SZ SZ	25 36	IP EP	1	C C	15:43 15:43	33.68 35.50		
EAB EDI	SZ SZ	37 50	IP EP	2	С	15:43 15:43	35.63 37.38		
EDI EDI	SN SN	50 50	ES	$\overline{2}$		15:43 15:43	44.10 45.30	5	0.16
EDI	SE	50				15:43	44.35	11	0.18
PCA	SZ	68	EP	2		15:43	40.77		
March Lat:	56.20		Lon:	4.11	2W	0 UTC	Depth	tude: 1 : 4.6 km	
			mE 70. , CENT		mN		RMS: Qualit	0.07 secs v: B	8
STAT FAB	CO SZ	DIST 14	PHAS	WT	P C	HrMn 02:01	SECS	AMPL	PERI
EAB PCO	SZ SZ	14 24	PHAS IP IP	WT	C D	02:01 02:01	SECS 51.93 53.62		PERI
EAB	SZ	14 24 38 39	PHAS IP	WT 1 2	С	02:01	SECS 51.93		PERI
EAB PCO EBH	SZ SZ SZ	14 24 38	PHAS IP IP EP	WT 1	C D	02:01 02:01 02:01	SECS 51.93 53.62 55.83		PERI
EAB PCO EBH ELO PGB PGB PGB	SZ SZ SZ SZ SZ SN SN	14 24 38 39 50 50 50	PHAS IP IP EP EP IP	WT 1 2 1	C D C	02:01 02:01 02:01 02:01 02:01 02:02 02:02	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49	AMPL 32	0.34
EAB PCO EBH ELO PGB PGB PGB PGB PMS	SZ SZ SZ SZ SN SN SN SE SZ	14 24 38 39 50 50 50 50 50 50	PHAS IP IP EP EP IP ES EP	WT 1 2 1 2 2	C D C D	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:02 02:01	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49 04.65 58.86	AMPL	
EAB PCO EBH ELO PGB PGB PGB PGB	SZ SZ SZ SZ SN SN SN SE	14 24 38 39 50 50 50 50	PHAS IP IP EP EP IP ES	WT 1 2 1 2	C D C	02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49 04.65	AMPL 32	0.34
EAB PCO EBH ELO PGB PGB PGB PGB PMS PCA	SZ SZ SZ SZ SN SN SN SE SZ SZ	14 24 38 39 50 50 50 50 50 56 57	PHAS IP IP EP EP IP ES EP IP	WT 1 2 1 2 1 2 1	C D C D	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:02 02:01 02:01	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49 04.65 58.86 58.90	AMPL 32	0.34
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PCA EAU EDI EDI EDI	SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SN SN	$\begin{array}{c} 14\\ 24\\ 38\\ 39\\ 50\\ 50\\ 50\\ 50\\ 50\\ 56\\ 57\\ 58\\ 66\\ 66\\ 66\\ 66\end{array}$	PHAS IP IP EP EP IP ES EP IP IP IP EP	WT 1 2 1 2 1 1 2 1 2 1 2	C D C D	$\begin{array}{c} 02:01\\ 02:01\\ 02:01\\ 02:01\\ 02:02\\ 02:02\\ 02:02\\ 02:02\\ 02:01\\ 02:01\\ 02:01\\ 02:01\\ 02:02\\ 02:02\\ 02:02\\ 02:02\\ 02:02\\ \end{array}$	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49 04.65 58.86 58.90 99.17 00.37 08.26 08.55	AMPL 32 41 35	0.34 0.29 0.19
EAB PCO EBH ELO PGB PGB PGB PGB PMS PCA EAU EDI EDI	SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SN	14 24 38 39 50 50 50 50 50 50 56 57 58 66 66	PHAS IP IP EP EP IP ES EP IP IP IP EP	WT 1 2 1 2 1 1 2 1 2 1 2	C D C D	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:02 02:02	SECS 51.93 53.62 55.83 56.09 57.83 04.07 04.49 04.65 58.86 58.86 58.90 59.17 00.37 08.26	AMPL 32 41	0.34 0.29
EAB PCO EBH ELO PGB PGB PGB PGB PGB PMS PCA EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SN SN SE SZ 31	14 24 38 39 50 50 50 50 50 50 56 57 58 66 66 66 66 66 78 2000	PHAS IP IP EP EP IP ES EP IP EP ES EP Time:	WT 1 2 1 2 1 2 2 2 2 2 05:2	C D D D D 1 10.	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02	SECS 51.93 53.62 55.83 56.09 57.83 64.07 04.49 04.65 58.86 58.90 59.17 00.37 08.26 08.55 08.55 08.55 02.16 Magni	AMPL 32 41 35 52 tude: 0	0.34 0.29 0.19 0.21 .6 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB PGB EDI EDI EDI EDI EDI EDU EDU EDU EDI EDU	SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 78 2000 9N 291.17 F	PHAS IP IP EP EP IP ES EP IP EP ES EP Time: Lon: SmE 70'	WT 1 2 1 2 1 2 1 2 2 2 3.75 7.60 k	C D C D D D 1 10. 37W mN	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:02 02:02	SECS 51,93 53,62 55,83 56,09 57,83 04,07 04,49 04,65 58,86 58,86 58,90 04,49 04,65 58,86 58,90 04,49 04,65 58,86 59,17 00,37 08,26 00,37 08,26 02,16 Magni Depth: RMS:	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs	0.34 0.29 0.19 0.21
EAB PCO EBH ELO PGB PGB PGB PGB PMS PCA EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SN SN SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 78 2000 9N 291.17 H BLACK DIST	PHAS IP EP EP EP IP ES EP IP ES EP Time: cme: cme: 70 FORD, PHAS	WT 1 2 1 2 1 2 1 2 2 2 3.75 7.60 k	С D D D D 57W mN SIDE Р	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 02:01 02:01 02:01 02:01 02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:01 02:01 02:01 02:02 00 00 00 00 00 00 00 00 00 00 00 00 0	SECS 51,93 53,62 55,83 56,09 57,83 56,09 57,83 64,07 04,49 04,65 58,86 58,90 59,17 00,37 08,26 08,55 08,55 08,55 08,55 02,16 Magni Depth: RMS: Qualit SECS	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs	0.34 0.29 0.19 0.21
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB PCA EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SN SE SZ SZ SZ SZ SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 78 2000 9N 291.17 I BLACK	PHAS IP IP EP EP EP IP ES EP EP EP Time: Lon: cmE 70 FORD,	WT 1 2 1 2 2 1 1 2 2 2 3.75 5.75 7.60 k TAYS	C D C D D 1 10. 57W mN SIDE	02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 02:01 02:01 02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 00 00 00 000 0	SECS 51.93 53.62 55.83 56.09 57.83 56.09 57.83 56.09 64.49 04.49 04.65 58.86 58.90 59.17 00.37 08.26 08.55 08.55 02.16 Magni Depth: RMS: Qualit	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B	0.34 0.29 0.19 0.21 6 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB PCA EDI EDI EDI EDI EDI EDI EDU March Lat: Grid Local STAT EBH ELO PCO	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 78 2000 9N 291.17 H BLACK DIST 15 25 36	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 70 FORD, PHAS IP EP IP	WT 1 2 1 2 2 3.75 5.7560 k WT 2 1	C D C D D D D S7W mN SIDE P C C	02:01 02:01 02:01 02:01 02:02 0	SECS 51,93 53,62 55,83 56,09 57,83 56,09 57,83 56,09 04,49 04,65 58,86 58,90 59,17 00,37 08,26 08,55 08,55 02,16 Magni Depth: RMS: RMS: SECS 13,09 14,77 16,66	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B	0.34 0.29 0.19 0.21 6 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB EDG EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 66 78 2000 9N 291.17 I 8LACK DIST 15 25 36 37 49	PHAS IP IP EP EP EP IP ES EP Time: Lon: tom: fORD, PHAS IP EP IP EP IP EP IP EP	WT 1 2 1 2 2 2 3.75 3.75 7.60 k WT 2 1 2 2 3.75 2 3.75	С D D D D 57W SIDE P C	02:01 02:01 02:01 02:01 02:01 02:02 0	SECS 51,93 53,62 55,83 56,09 57,83 04,49 04,65 58,86 58,86 58,86 58,86 58,90 59,17 00,37 08,26 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,855	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B	0.34 0.29 0.19 0.21 6 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PCA EDI EDI EDI EDI EDI EDI EDU March Local STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 66 78 2000 9N 291.17 I 5 25 36 37 49 51 51	PHAS IP IP EP EP EP IP ES EP IP EP ES EP Time: Lon: cmE 70' FORD,' PHAS IP EP IP IP	WT 1 2 1 2 2 3.75 5.60 k WT 2 1 1 2 3.75 WT 2 1 1 2 3.75 1 1 2 3.75 1 1 2 3.75 1 1 2 1 2 3.75 1 1 2 3.75 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	C D C D D D D S7W mN SIDE P C C	02:01 02:01 02:01 02:01 02:02 00 00 00 00 00 00 00 00 00 00 00 00 0	SECS 51,93 53,62 55,83 56,09 57,83 56,09 64,49 04,65 58,86 58,90 59,17 00,37 08,26 08,55 08,55 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 14,97 16,66 16,68 18,85 18,85 18,85 18,85 19,97 19,17 10,17 1	32 41 35 52 tude: 0 51 km 0.07 secs y: B AMPL	0.34 0.29 0.19 0.21 6 ML 5 PERI
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB EDG EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 57 58 66 66 66 66 66 66 66 66 78 2000 9N 29N 29N 29N 29N 29S 2000 9N 29S 25 36 37 49 51	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 70 FORD, PHAS IP EP IP EP IP EP EP	WT 1 2 1 2 2 2 3.7 7.60 k WT 2 1 1 2 2 3.7 7.60 k WT 2 1 2 2 3.7 7.60 k 2 1 2 3.7 7 7.7 1 2 3.7 7.7 1 2 3.7 1 2 3.7 1 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 1 1 1 1 1 1 1 1 1 1 1 1	C D C D D D D S7W mN SIDE P C C	02:01 02:01 02:01 02:01 02:01 02:02 02:21 05:21 0	SECS 51.93 53.62 55.83 56.09 57.83 56.09 57.83 56.09 64.49 04.49 04.65 58.80 59.17 00.37 08.26 08.55 08.55 02.16 Magni Depth: RMS: SECS 13.09 14.77 16.66 16.68 18.85 18.89	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B	0.34 0.29 0.19 0.21 6 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB EAU EDI EDI EDI EDI EDI EDI EDI EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SS SS SZ SZ SZ S	14 24 38 39 50 50 50 50 56 66 66 66 66 66 66 78 2000 9N 291.17 I BLACK DIST 15 25 36 37 49 51 51	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 70 FORD, PHAS IP EP IP EP IP EP EP	WT 1 2 1 2 2 2 3.7 7.60 k WT 2 1 1 2 2 3.7 7.60 k WT 2 1 2 2 3.7 7.60 k 2 1 2 3.7 7 7.7 1 2 3.7 7.7 1 2 3.7 1 2 3.7 1 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 3.7 1 1 1 1 1 1 1 1 1 1 1 1 1	C D C D D D D S7W mN SIDE P C C	02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 02:22 0	SECS 51,93 53,62 55,83 56,09 57,83 04,49 04,65 58,86 58,86 58,86 58,90 59,17 00,37 08,26 58,86 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 18,85 18,85 18,85 18,85 18,85 18,85 18,85 18,85 14,77 16,66 16,68 18,85 18,90 18,75 18,85 18,90 18,75 18,85	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B AMPL 3	0.34 0.29 0.19 0.21 6 ML 9 PERI
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB EDG EDI EDI EDI EDI EDI EDI EDI EDI EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 66 66 66 66 66 78 2000 9N 291.17 I 8LACK DIST 15 25 36 37 49 51 51 51 51 57 00	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 70 PHAS IP EP EP IP EP EP EP EP EP	WT 1 2 1 2 2 3.75 3.75 3.75 WT 2 1 1 2 2 3.75 4 WT 2 2 3.75 3.75 4 WT 2 2 3.75 3.75 4 2 2 2 3.75 3.75 4 2 2 3.75 4 4 3.75 4 4 3.75 4 4 3.75 4 4 3.75 4 4 3.75 4 4 4 4 4 4 4 4 4 4 4 4 4	C D D D D T 1 10. 57W MNN SIDE C C C	02:01 02:01 02:01 02:01 02:01 02:02 02:21 05:21 0	SECS 51,93 53,62 55,83 56,09 57,83 04,47 04,49 04,65 58,86 58,86 58,80 59,17 00,37 08,26 58,86 58,90 59,17 00,37 08,26 58,86 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 18,90 18,75 10,87 10,87 18,85 18,80 1	AMPL 32 41 35 52 tude: 0 5.1 km 0.07 secs y: B AMPL 3	0.34 0.29 0.19 0.21 .6 ML 9 PERI 0.14 0.22 .8 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB EAU EDI EDI EDI EDI EDI EDI EDI EBH ELO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 56 57 58 66 66 66 66 66 78 2000 9N 291.7 H SLACK DIST 15 25 36 37 49 51 51 51 51 51 51 57 00 0N 1888.96 H	PHAS IP IP EP EP EP IP ES EP Time: Lon: CME 70' FORD,' PHAS IP EP EP EP EP EP EP EP EP EP EP	WT 1 2 1 1 2 2 1 1 2 2 3.75 7.60 k WT 2 1 1 2 2 3.75 7.60 k WT 2 1 1 2 2 3.75 7.60 k 4 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 3.75 7.60 k 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2	C D D D D T 1 10. 57W mN SIDE C C C C 2 13. 24W mN	02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:02 05:21 0	SECS 51,93 53,62 55,83 56,09 57,83 56,09 64,49 04,65 58,86 88,90 59,17 00,37 08,26 08,55 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 18,85 18,85 18,85 18,85 18,85 18,85 18,85 18,85 19,80 14,77 16,66 16,68 18,85 18,85 18,85 18,85 18,85 19,80 14,77 16,66 16,68 18,85 18,85 18,85 19,87 19,97 1	32 41 35 52 tude: 0 51 km 0.07 secs 9: B AMPL 3 4 tude: 0 7.3 km 0.05 secs	0.34 0.29 0.19 0.21 6 ML 9 PERI 0.14 0.22 8 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB EDG EDI EDI EDI EDI EDI EDI EDI EDI EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 66 66 66 66 66 78 2000 9N 291.17 I BLACK DIST 15 25 36 37 49 51 51 51 51 51 51 51 51 51 57 00 00 0N 188.96 I 0'ORRH 2000	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 70' FORD,' PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	WT 1 2 1 2 2 3.75 3.75 3.75 3.75 WT 2 2 3.75 3.75 3.75 4.75 WT 2 2 3.75 3.7	C D D D D D D D D D D D D D D D D D D D	02:01 02:01 02:01 02:01 02:01 02:02 02:21 05:21 0	SECS 51,93 53,62 55,83 56,09 57,83 04,07 04,49 04,65 58,86 58,86 58,86 58,80 59,17 00,37 08,26 08,25 08,25 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 18,89 25,32 12,643 19,80 Magni Depth: RMS: Qualit SECS 25,41 26,43 19,80	32 41 35 52 tude: 0 5.1 km 0.07 secs y: B AMPL 3 4 tude: 0 7.3 km 0.05 secs y: C	0.34 0.29 0.19 0.21 6 ML 9 PERI 0.14 0.22 8 ML
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 56 57 58 66 66 66 66 66 78 2010 9N 291.7 H ELACK DIST 15 51 51 51 51 51 51 51 51 51 51 51 51	PHAS IP IP EP EP EP EP EP EP EP Time: Lon: cmE 70 PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP EP	WT 1 2 1 2 2 2 2 2 3.7; 7.60 k WT 2 2 2 10:22 5.52 5.52 2 2 10:22 5.52 5.13 k IGHL OF T WT	C D D D D T 1 10. 57W MN SIDE C C C C 2 13. 24W MN AAND	02:01 02:01 02:01 02:01 02:01 02:02 02:02 02:02 02:02 02:01 02:01 02:01 02:01 02:01 02:02 02:21 05	SECS 51,93 53,62 55,83 56,09 57,83 56,09 64,49 04,65 58,80 58,80 59,17 00,37 08,26 08,55 08,55 02,16 Magni Depth: RMS: Qualit SECS 10,09 14,77 16,66 16,68 18,85 18,85 19,25 25,41 26,43 19,80 Magni Depth: RMS: Qualit SECS 16,26	32 41 35 52 tude: 0 51 km 0.07 secs 9: B AMPL 3 4 tude: 0 7.3 km 0.05 secs	0.34 0.29 0.19 0.21 6 ML 9 PERI 0.14 0.22 8 ML
EAB PCO EBH PGB PGB PGB PGB PGB PGB PGB PGB EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 50 56 66 66 66 66 66 66 78 2000 9N 291.17 15 25 36 67 8 2000 9N 291.17 15 25 36 37 49 51 51 51 51 51 51 51 51 51 51 51 51 51	PHAS IP IP EP EP EP EP ES EP Time: Lon: cmE 70' FORD, PHAS EP IP IP EP EP EP EP EP EP EP EP EP EP EP EP Time: Lon: cmE 70' FORD, PHAS	WT 1 2 1 2 2 3.75 3.75 3.75 3.75 WT 2 2 3.75 3.75 3.75 4.75 WT 2 2 3.75 3.7	C D D D D T 1 10. 57W mN SIDE C C C C 2 13. 24W mN AAND ORR P	02:01 02:01 02:01 02:01 02:01 02:02 02:21 05	SECS 51,93 53,62 55,83 56,09 57,83 04,07 04,49 04,65 58,86 58,86 58,80 59,17 00,37 08,26 08,25 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 13,09 14,77 16,668 18,85 13,09 14,77 16,668 16,68 18,85 13,09 14,77 16,668 16,68 18,85 13,09 14,77 16,668 16,68 18,85 19,80 Magni Depth: RMS: Qualit SECS 16,263 19,80 Magni Depth: RMS: Qualit SECS 16,263 19,80	32 41 35 52 tude: 0 5.1 km 0.07 secs y: B AMPL 3 4 tude: 0 5.7.3 km 0.05 secs y: C AMPL	0.34 0.29 0.19 0.21 6 ML 9 PERI 0.14 0.22 8 ML 9 PERI
EAB PCO EBH ELO PGB PGB PGB PGB PGB PGB PGB EAU EDI EDI EDI EDI EDI EDI EDI EDI EDH EDI EDI EDI EDI EDI EDI EDI EDI EDI EDI	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	14 24 38 39 50 50 50 50 56 66 66 66 66 66 78 2000 9N 291.17 H BLACK DIST 15 25 36 37 49 51 51 51 51 51 51 51 51 51 51 51 51 51	PHAS IP IP EP EP EP IP ES EP Time: Lon: cmE 85 DON, HI SOUTH PHAS IP EP EP	WT 1 2 1 2 2 2 2 2 3.75 7.60 k WT 2 2 3.75 7.60 k WT 2 2 3.75 2 3.75 7.60 k WT 2 2 3.75 2 3.75 2 3.75	C D D D D T 1 10. 57W mN SIDE C C C C 2 13. 24W mN AAND ORR P	02:01 02:01 02:01 02:01 02:01 02:02 02:21 05	SECS 51,93 53,62 55,83 56,09 57,83 04,07 04,49 04,65 58,86 58,86 58,86 58,90 59,17 00,37 08,26 08,55 08,55 02,16 Magni Depth: RMS: Qualit SECS 13,09 14,77 16,66 16,68 18,85 13,09 14,77 16,66 16,68 18,85 13,09 14,77 16,66 16,68 18,85 19,80 Magni Depth: RMS: Qualit SECS 10,25,41 26,43 19,80 Magni Depth: RMS: Qualit SECS 16,26 17,51	32 41 35 52 tude: 0 5.1 km 0.07 secs y: B AMPL 3 4 tude: 0 7.3 km 0.05 secs y: C	0.34 0.29 0.19 0.21 6 ML 9 PERI 0.14 0.22 8 ML

KSB	SZ	34	IP		С	10:22	19.50		
April	1 20		Time:			UTC		tude: 1	
	Ref:	359.03 k	Lon: mE 331		тN	LOD	RMS:	: 10.7 km 0.14 secs	
				ARK	ÉT D	LOP RAYTO	Qualit N	y: C	
STAT SBD	CO SZ	DIST 44	PHAS IP	WT	P C	HrMn 20:15	SECS 14.74	AMPL	PERI
HLM	SZ	44	IP		С	20:15	14.74		
KWE SSP	SZ SZ	54 62	IP IP	1 1	C D	20:15 20:15	16.22 17.69		
SSP	SN	62	ES	2		20:15	25.94	11	0.16
SSP SSP	SN SE	62 62				20:15 20:15	26.56 28.11	11 10	0.16 0.23
KBI	SZ	83	IP ED	1	C	20:15	21.02 22.12		
LHO CWF	SZ SZ	89 89	EP EP	1 3	С	20:15 20:15	22.12 22.10		
CWF	SN	89	ES	2		20:15	31.84	15	0.17
CWF CWF	SN SE	89 89				20:15 20:15	32.09 34.68	15 6	0.17 0.10
MCH MCU	SZ	102	EP	2		20:15	23.95	12	0.20
MCH MCH	SN SE	102 102				20:15 20:15	36.35 37.87	13 10	0.20 0.25
April	2 20					6 UTC	Magni		.7 ML
Lat: Grid	49.87 Ref:	11N 171.18 k	Lon: mE 1.	5.18 65 kn				: 12.7 km 0.07 secs	
) POINT H OF LI				Qualit	y: C	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CGH CMA	SZ SZ	20 24	IP IP	1	D D	08:40 08:40	51.82 52.25		
CGW	SZ	26	IP		D	08:40	52.73		
CCO CCO	SZ SZ	30 30	IP ES	$\frac{1}{2}$	D	08:40 08:40	53.20 57.92		
CR2	SZ	33	EP	2		08:40	53.70		
CR2 CR2	SN SN	33 33	ES	2		08:40 08:41	$58.44 \\ 01.90$	84	0.10
CR2	SE	33				08:40	58.83	133	0.12
CCA CST	SZ SZ	35 36	IP IP	1	D D	08:40 08:40	54.19 54.25		
CPZ	SZ	43	IP	1	C	08:40	55.38		
CSA	SZ	58	EP	2		08:40	58.35		
April	5 20	00	Time:	16:4	144.	5 UTC	Magni	tude: 1	.2 ML
Lat:	56.20		Lon:	4.11	2W	5010	Depth	: 4.6 km	
Grid	Ref:	268.98 k	mE 703	4.11 3.17 k	2W	5010	Depth RMS:	: 4.6 km 0.08 secs	
Grid Loca STAT	Ref: lity: I	268.98 k DOUNE DIST	mE 703 , CENTI PHAS	4.11 3.17 k	.2W mN P	HrMn	Depth RMS: Qualit SECS	: 4.6 km 0.08 secs	
Grid Loca	Ref: lity: I	268.98 k DOUNE	mE 703 , CENTI	4.11 3.17 k RAL	.2W mN		Depth RMS: Qualit	: 4.6 km 0.08 secs y: B	5
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Grid Loca STAT EAB PCO EBH ELO PGB PGB	Ref: Ility: I CO SZ SZ SZ SZ SZ SZ SE	268.98 E DOUNE DIST 14 24 38 39 49 49	tmE 703 , CENTI PHAS IP IP EP EP EP	4.11 5.17 k RAL WT 2 1	2W mN P C D	HrMn 16:41 16:41 16:41 16:41 16:41 16:41	Depth RMS: Qualit SECS 47.43 49.09 51.33 51.68 53.29 59.53	: 4.6 km 0.08 secs y: B AMPL	PERI
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Grid Loca STAT EAB PCO EBH ELO PGB PGB PGB PGB EAU EDU April Lat:	Ref: lity: I CO SZ SZ SZ SZ SZ SE SN SE SZ SZ 6 20 51.89	268.98 k OUNE DIST 14 24 38 39 49 49 49 49 49 58 78 78	mE 703 , CENTI PHAS IP EP EP EP ES EP EP EP Time: Lon:	4.11 3.17 k RAL WT 2 1 2 2 2 2 20:1 2.07	2W mN C D C 6 51. '5W	HrMn 16:41 16:41 16:41 16:41 16:41 16:41 16:42 16:42 16:42 16:41	Depth RMS: Qualit SECS 47.43 49.09 51.33 51.68 53.29 59.53 00.51 00.12 54.64 57.51 Magni Depth	: 4.6 km 0.08 secs y: B AMPL 12 20 tude: 0 : 15.0 kn	0.20 0.40 8 ML
Grid Loca STAT EAB PCO EBH ELO PGB PGB PGB PGB EAU EDU EDU April Lat: Grid Loca	Ref: llity: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	268.98 k DUNE DIST 14 24 38 39 49 49 49 49 49 49 58 78 78 000 22N 332.92 k MBERG.	mE 703 CENTI PHAS IP IP EP EP ES EP EP EP EP EN Con: cmE 222 AVENN	4.11 3.17 k RAL WT 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	2W mN P C D C C 6 51. 75W mN WEN	HrMn 16:41 16:41 16:41 16:41 16:41 16:42 16:42 16:42 16:41 16:41 16:41 10:41 1 UTC T	Depth RMS: Qualit SECS 47.43 49.09 51.33 51.68 53.29 59.53 00.51 00.12 54.64 57.51 Magni Depth RMS: Qualit	: 4.6 km 0.08 secs y: B AMPL 12 20 tude: 0 : 15.0 kn 0.15 secs	0.20 0.40 8 ML
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Grid Loca STAT EAB PCO EBH ELO PGB PGB PGB PGB PGB EAU EDU EDU April Loca Com STAT MCH	Ref: 1 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	268.98 k DUNE DIST 14 24 38 39 49 49 49 49 49 58 78 78 00 2N 332.92 k ABERG. 7KM N DIST 12 12	mE 703 , CENTI PHAS IP IP EP EP EP ES Time: Lon: cmE 222 AVENN NORTH PHAS	4.11 3.17 k RAL WT 2 2 2 2 2 2 2 2 2 2 2 2 2	2W mN C D C 6 51. 75W mN WEN BER P	HrMn 16:41 16:41 16:41 16:41 16:41 16:42 16:42 16:42 16:42 16:41 16:41 1 UTC T GAVEN HrMn 20:16	Depth RMS: Qualit SECS 47.43 49.09 51.33 51.68 53.29 59.53 00.51 00.12 54.64 57.51 Magni Depth RMS: Qualit NY SECS 54.65 57.52	: 4.6 km 0.08 secs y: B AMPL 12 20 tude: 0 : 15.0 km 0.15 secs y: B AMPL	0.20 0.40 8 ML 5 PERI
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BHH	SZ	47	EP	2		04:54	59.48		
BHH	SN	47				04:55	06.25	14	0.68
BHH	SE	47			-	04:55	11.75	14	0.28
BBO	SZ	53	IP	1 3	D	04:55	00.33		
BBO BBO	SN SN	53 53	ES	3		04:55 04:55	07.34 09.50	12	0.38
BBO	SE	53				04:55	09.39	12	0.25
BNA	SZ	71	EP	2		04:55	03.35		0120
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CWF	SN	14	LS	1		21:17	07.24	162	0.23
CWF	SE	14				21:17	07.47	186	0.22
KSY	SZ	41	IP		С	21:17	06.52		
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HLM	SZ	54	IP	1	D	02:18	00.81		
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SSP	SZ	73	EP	2	C	02:18	03.96		
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CWF	SN	77	E-3	2		02:18	12.03	85	0.12
CWF	SE	77				02:18	12.87	53	0.18
MCH	SZ	109	EP	2		02:18	08.83		
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KSB KAR KPL KPL KPL KPL KPL KPL MCD PCO EBL PGB PGB PGB RRR RRR RRR RRR RRR RRR MCD MCD EDI EDI EDI	SZ SZ SE SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	52 58 72 72 72 74 77 73 107 108 111 117 117 117 117 126 126 126 129 129 129 147 147	IP IP ES IP EP EP EP EP EP EP ES EP	2 1 2 1 2 1 2 4 4 4 4		19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:27 19:28 19:28 19:28 19:28 19:28 19:28 19:28 19:28	$\begin{array}{c} 42.40\\ 43.28\\ 45.79\\ 54.32\\ 57.83\\ 45.89\\ 46.67\\ 47.32\\ 51.03\\ 51.22\\ 51.80\\ 80.00\\ 07.51\\ 08.67\\ 11.76\\ 11.22\\ 53.48\\ 11.52\\ 11.12\\ 57.46\\ 15.81\\ \end{array}$	42 40 55 54 19 21 54 28 18 26	0.10 0.14 0.24 0.21 0.11 0.25 0.27 0.22 0.27 0.21
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ECK XDE CDU BNA ESK ESK ESK LMI LMI LMI BWH GIM GIM GIM GIM GIM PGB PGB	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	50 52 54 57 66 66 66 69 69 69 69 69 71 119 119 119 119 158 158	IP IP IP IP ES ES IP EP EP	1 2 2 2 2 2	D C C C D	$\begin{array}{c} 05:11\\ 05$	$\begin{array}{c} 04.78\\ 05.06\\ 05.29\\ 05.57\\ 07.36\\ 14.79\\ 18.14\\ 15.19\\ 07.72\\ 16.15\\ 17.30\\ 17.55\\ 07.99\\ 15.20\\ 30.43\\ 30.60\\ 21.38\\ 41.87\\ 45.78 \end{array}$	188 197 168 189 212 205 55 60	0.16 0.16 0.22 0.31 0.19 0.37 0.18 0.19
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WAL	SZ	326	EP	3		21:44	53.58		
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STAT	СО	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
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KUF CWF CWF CWF	SZ SZ SN SN	29 40 40 40	IP	WT 1	С	21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54	155	0.08
KUF CWF CWF	SZ SZ SN	29 40 40	IP IP		С	21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69		
KUF CWF CWF CWF CWF	SZ SZ SN SN SE	29 40 40 40 40	IP IP ES	1	C D	21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76	155	0.08
KUF CWF CWF CWF CWF KEY KSY KWE KBI	SZ SN SN SE SZ SZ SZ	29 40 40 40 40 41 48 87 92	IP IP ES IP IP EP EP	1 1 3 1	C D D	21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34	155	0.08
KUF CWF CWF CWF KEY KSY KWE KBI SKP SSW	SZ SN SN SE SZ SZ SZ SZ SZ	29 40 40 40 41 48 87 92 92 92 96	IP IP ES IP IP EP EP EP EP	1 1 3 1 2 2	C D D D	21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34 26.16 27.50	155	0.08
KUF CWF CWF CWF KEY KSY KWE KBI SKP SSW SWN SWN	SZ SN SN SZ SZ SZ SZ SZ SZ SZ SZ	29 40 40 40 41 48 87 92 92 92 96 134 134	IP IP ES IP IP EP EP EP	1 1 3 1 2	C D D D	21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34 26.16 27.50 33.51 51.32	155 228 34	0.08 0.05 0.25
KUF CWF CWF CWF KEY KSY KWE KBI SKP SWN SWN SWN	SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SN SE	29 40 40 40 41 48 87 92 92 96 134 134 134	IP IP ES IP IP EP EP EP EP EP	1 3 1 2 2 2	C D D D	21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.54 23.56 18.69 19.52 25.45 26.34 26.16 27.50 33.51 51.32 51.58	155 228 34 34	0.08 0.05 0.25 0.11
KUF CWF CWF CWF KEY KSY KWE KBI SKW SSW SWN SWN SWN SWN SWN	SZ SZ SN SN SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	29 40 40 40 41 48 87 92 92 96 134 134 134 134	IP IP ES IP IP EP EP EP EP EP EP Time Lon:	1 1 2 2 2 : 00:4 4.35	С D D D 7 57.	21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34 26.16 27.50 33.51 51.32 51.58 Magni Depth:	155 228 34 34 tude: 0 : 24.5 kn	0.08 0.05 0.25 0.11 .0 ML
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KUF CWF CWF CWF KEY KSY KWE KBI SKP SSW SWN SWN SWN SWN SWN SWN SWN SWN SWN	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	29 40 40 40 40 41 48 87 92 96 134 134 134 134 134 134 134 134 134 134	IP IP ES IP EP EP EP EP EP EP EP EP EP EP EP EP EP	1 3 1 2 2 2 2 3 1.16 k , GWV WT 2 2 2 2 2 2 2 2 2 2 2 2 2	C D D C C C C C C C C C C C C C C C C C	21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34 25.45 26.34 27.50 33.51 51.32 51.58 Magni Depth: RMS: 02.54 02.88 04.38 04.35 05.77 13.01 12.73 06.10 Magni Depth: RMS: Qualit	155 228 34 34 tude: 0 : 24.5 kn 0.08 secs y: B AMPL 1 1 1 : 1.0 km 0.30 secs y: C	0.08 0.05 0.11 0 ML 5 PERI 0.07 0.12 .3 ML
KUF CWF CWF CWF KEY KSY KSP SWN SWN SWN SWN SWN SWN SWN SWN SWN SWN	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	29 40 40 40 40 41 48 87 92 96 134 134 134 134 134 134 000 44N 241.70 I LLEYN DIST 6 22 36 37 39 46 50 50 50 50 51 000 462.03 I MARKH CINT 100 51 100 51 100 51 100 50 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 51 100 50 51 100 51 100 51 100 50 51 100 50 51 100 50 51 100 50 50 50 50 50 50 50 50 50 50 50 50 5	IP IP ES IP EP EP EP EP EP EP EP EP EP EP EP EP EP	1 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2	C D D C C C C C C C C C C C C C C C C C	21:38 21:38	16.85 18.38 23.44 23.54 23.76 18.69 19.52 25.45 26.34 26.16 27.50 33.51 51.32 51.58 Magni Depth: RMS: Qualit SECS 01.18 02.54 02.88 04.18 04.38 04.38 04.38 04.38 05.77 12.37 13.01 12.73 06.10 Magni Depth: RMS: Qualit SECS 18.09	155 228 34 34 tude: 0 : 24.5 kn 0.08 secs y: B AMPL 1 1 1 : 1.0 km 0.30 secs y: C	0.08 0.05 0.11 0 ML 5 PERI 0.07 0.12 .3 ML

CWF CWF CWF KWE LHO	SN SN SE SZ SZ	56 56 57 63	ES EP EP	3 2 3	18:20 18:20 18:20 18:20 18:20	28.54 29.21 29.61 21.69 22.22	9 18	0.14 0.29	
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Loca STAT SUE ASK EGD BER FOO HYA YEL LRW	ality: 1 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ	NORTH DIST 122 145 153 154 163 200 203 219	kmE 121 IERN NG PHAS EP EP EP EP EP EP EP EP EP	ORTH S WT F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	EA HrMn 04:52 04:52 04:52 04:52 04:52 04:52 04:52 04:52 04:52	Quality SECS 35.58 38.89 39.84 40.09 41.20 45.60 46.22 47.91	0.19 secs y: C AMPL	PERI	
LRW LRW KMY SAN WAL ODD1 BLS5 OST OWE OHO OBR ORE ORE	SE SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ	219 219 219 225 227 238 240 259 342 352 391 402 435 435	ES EP EP EP EP EP EP EP EP EP EP ES	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	04:53 04:53 04:52 04:52 04:52 04:52 04:52 04:52 04:53 04:53 04:53 04:53 04:53 04:53	$10.92 \\ 14.91 \\ 17.38 \\ 49.15 \\ 48.94 \\ 50.42 \\ 49.98 \\ 53.44 \\ 04.04 \\ 04.94 \\ 09.57 \\ 11.20 \\ 14.43 \\ 55.88 \\$	57 80	0.35 0.25	
ORE ORE MCD MCD RRR	SN SE SZ SN SE SZ	435 435 485 485 485 577	EP EP	2 2	04:53 04:54 04:53 04:54 04:54 04:54	59.23 00.28 21.02 08.86 10.52 31.88	168 84 65 81	0.28 0.19 0.35 0.25	
RRR RRR	SN SE	577 577			04:54 04:54	28.96 29.66	15 22	0.27 0.16	
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						- Quant	V: ()		
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STAT SUE ASK EGD FOO YEL LRW LRW LRW KMY SAN WAL ODD1 BLS5 NRA0 May Lat: Grid Locc COM STAT KWE CWF CWF CWF CWF CWF CWF CWF CWF KBI KSY KUF May Lat: Grid Con STAT	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	DIST 123 144 151 165 203 218 218 218 218 218 218 222 222 225 238 238 256 488 000 (9N 425.46 I 0DERBY 29 29 29 29 29 29 29 29 37 38 70 90 200 005N 247.15 I (RISH S	PHAS EP EP EP EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	WT F 2 2 2 2 2 2 2 2 2 2 2 2 2	 HrMn 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:10 05:10 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:09 05:00 05:5 00:50 000 00	SECS 20.47 23.28 24.69 26.74 31.12 33.27 55.80 00.24 02.21 33.72 57.16 34.56 35.58 35.34 38.25 06.00 Magni Depth: RMS: SECS 37.50 39.15 43.06 43.57 43.33 40.91 45.65 48.68 Magni Depth:	6 5 tude: 1. 7.6 km 0.06 secs y: C AMPL 237 125 tude: 0 16.9 kn 0.04 secs	0.05 0.11 7 ML 9 PERI 0.14 0.12 2 ML	
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WLF	SZ	28	IP	1	С	23:30	07.67		
YRC YLL	SZ SZ	36 45	EP EP	$\frac{2}{2}$		23:30 23:30	08.80 10.23		
WIM	SZ	72	EP	2		23:30	14.42		
May	18 2					3 UTC		tude: 1	
Lat: Grid			Lon: kmE 40		27W mN			: 18.8 kn 0.07 secs	
Loca	ality: (GAINSI	BOROU	GH, L	JNC		Qualit	y: C	
STAT LMK	CO SZ	DIST 20	PHAS IP	WT	P C	HrMn 15:08	SECS 24.95	AMPL	PERI
KSY	SZ SZ	59 65	IP EP	1 3	D	15:08 15:08	30.44		
KBI LHO	SZ SZ	82	EP	2		15:08	31.38 33.57		
CWF CWF	SZ SN	95 95	EP ES	$\frac{1}{2}$	С	15:08 15:08	35.73 46.25		
CWF	SN	95	1.5	2		15:08	46.61	24	0.16
CWF KWE	SE SZ	95 97	EP	2		15:08 15:08	48.52 36.22	33	0.09
	20 2				6 5 1			inder 9	2 MI
May Lat:	52.73	6N	Lon:	5.02	22W	3 UTC	Depth	: 10.6 kn	
		195.99 RISH S	kmE 319 EA	9.66 k	mN		RMS: Qualit	0.09 secs v: C	5
Con	ıments	: 20KM	SW OF				-	•	
STAT YRH	CO SZ	DIST 29	PHAS IP	WT	P C	HrMn 16:16	SECS 59.38	AMPL	PERI
YRE	SZ	49	IP	1	С	16:17	02.59		
YRC WFB	SZ SZ	65 67	IP IP	1 1	C D	16:17 16:17	05.25 05.58		
YLL	SZ	73	IP		С	16:17	06.49		
WLF WCB	SZ SZ	75 78	EP EP	1 2	С	16:17 16:17	06.51 07.57		
WCB	SN	78 78	ES	3		16:17	16.74	22	0.02
WCB WCB	SN SE	78 78				16:17 16:17	18.46 18.04	32 27	$0.03 \\ 0.18$
WME	SZ	88 90	EP	$\frac{2}{2}$		16:17	08.54		
HPE WPM	SZ SZ	90 95	EP EP	$\frac{2}{2}$		16:17 16:17	09.20 10.02		
HCG	SZ	104	EP	2		16:17	11.15		
SBD SSP	SZ SZ	121 134	EP EP	$\frac{2}{2}$		16:17 16:17	13.84 16.10		
SSP	SE SN	134	ES	2		16:17	31.42	00	0.23
SSP SSP	SN	134 134				16:17 16:17	34.10 34.13	88 81	0.23
HTR	SZ	140	EP	2 2		16:17	16.87		
MCH MCH	SZ SN	160 160	EP	2		16:17 16:17	19.90 39.55	49	0.16
MCH	SE	160				16:17	39.57	44	0.15
May Lat:	26 2 51.96		Time: Lon:		9 45. 72W	5 UTC			.6 ML
Grid	l Ref:	291.98	kmE 23	0.88 k	mN			: 14.2 kn 0.14 secs	
Loca STAT	ality: S CO	DIST	BRIDGI PHAS	E , PO ' WT	WYS P	HrMn	Qualit SECS	y: B AMPL	PERI
HTR	SZ	24	IP		С	20:09	50.49	AMIL	I LKI
MCH MCH	SZ SE	40 40	IP ES	$\frac{1}{2}$	С	20:09 20:09	52.52 57.62		
MCH	SN	40	25	2		20:09	57.79	50	0.17
MCH HCG	SE SZ	40 40	EP	1	С	20:09 20:09	57.73 52.85	69	0.11
HSA	SZ	47	IP		С	20:09	53.69		
SSP SSP	SZ	59 59	IP ES	$\frac{1}{2}$	С	20:09 20:10	55.49 02.80		
	SIN					20:10			
SSP	SN SN	59				20:10	03.19	20	0.10
SSP SSP HGH			EP	2				20 18	$\begin{array}{c} 0.10\\ 0.21 \end{array}$
SSP	SN SE	59 59	EP EP	2 2		20:10 20:10	03.19 03.09		
SSP HGH HPE May	SN SE SZ SZ 29 2	59 59 64 83 000	EP Time :	2 05:0		20:10 20:10 20:09	03.19 03.09 56.67 59.37 Magni	18 itude: 0	0.21 .7 ML
SSP HGH HPE May Lat:	SN SE SZ SZ 29 2 55.09	59 59 64 83 000 06N	EP	2 05:0 3.62	28W	20:10 20:10 20:09 20:09	03.19 03.09 56.67 59.37 Magni Depth	18	0.21 .7 ML
SSP HGH HPE May Lat: Grid Loca	SN SE SZ SZ 29 2 55.09 I Ref: ality: I	59 59 64 83 000 6N 296.12 DUMFF	EP Time: Lon: kmE 579 RIES, D	2 : 05:0 3.62 9.19 k & G	28W mN	20:10 20:10 20:09 20:09 7 UTC	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit	18 itude: 0 : 10.7 kn 0.06 secs y: B	0.21 .7 ML
SSP HGH HPE May Lat: Grid	SN SE SZ SZ 29 2 55.09 I Ref:	59 59 64 83 000 06N 296.12	EP Time: Lon: kmE 57	2 : 05:0 : 3.62 9.19 k	28W mN P C	20:10 20:10 20:09 20:09	03.19 03.09 56.67 59.37 Magni Depth RMS:	18 itude: 0 : 10.7 kn 0.06 secs	0.21 .7 ML
SSP HGH HPE May Lat: Gric Loca STAT BWH BNA	SN SE SZ 55.09 1 Ref: ality: I CO SZ SZ	59 59 64 83 000 6N 296.12 DUMFF DIST 9 15	EP Time: Lon: kmE 57 kIES, D PHAS IP IP	2 3.62 9.19 k & G WT	28W .mN P	20:10 20:10 20:09 20:09 7 UTC HrMn 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.97	18 itude: 0 : 10.7 kn 0.06 secs y: B	0.21 .7 ML
SSP HGH HPE May Lat: Grid Loca STAT BWH BNA BHH BHH	SN SE SZ SZ 29 2 55.09 1 Ref: ality: 1 CO SZ SZ SZ SZ SN	59 59 64 83 000 6N 296.12 DUMFE DIST 9 15 26 26	EP Time: Lon: kmE 57 kIES, D PHAS IP	2 : 05:0 3.62 9.19 k & G	28W mN P C	20:10 20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.97 32.92 36.12	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL	0.21 .7 ML .9 PERI
SSP HGH HPE May Lat: Gric Loca STAT BWH BNA BHH BHH BHH	SN SE SZ SZ 29 2 55.09 1 Ref: ality: I CO SZ SZ SZ SZ SN SN	59 59 64 83 000 6N 296.12 0UMFF DIST 9 15 26 26 26 26	EP Time: Lon: KME 57 CIES, D PHAS IP IP IP EP	2 05:0 3.62 9.19 k & G WT 2	28W mN P C	20:10 20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.25 30.25 30.25 30.21 22.92 36.12 36.31	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL 19	0.21 .7 ML 9 PERI 0.17
SSP HGH HPE May Lat: Gric Loc: STAT BWH BNA BHH BHH BHH BHH GCD	SN SE SZ 29 2 55.09 1 Ref: ality: 1 CO SZ SZ SZ SN SN SN SE SZ	59 59 64 83 0000 6N 296.12 DUMFF DIST 9 15 26 26 26 26 26 33	EP Time: Lon: kmE 57 (IES, D PHAS IP IP EP ES	2 05:0 3.62 9.19 k & G WT 2 2 1	28W mN P C	20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.97 32.92 36.12 36.31 37.50 33.71	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL	0.21 .7 ML .9 PERI
SSP HGH HPE May Lat: Gric Locc STAT BWH BNA BHH BHH BHH BHH BHH BCD GCD	SN SE SZ SZ 29 2 55.09 1 Ref: ality: I CO SZ SZ SZ SN SN SE SZ SZ	59 59 64 83 0000 6N 296.12 0UMFF DIST 9 15 26 26 26 26 26 33 33	EP Time: Lon: kmE 579 KIES, D 4 PHAS IP IP EP ES IP EP ES	2 05:0 3.62 9.19 k & G WT 2 2	28W mN P C C	20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.25 30.25 30.25 30.25 30.25 30.25 32.92 36.12 36.31 37.50 33.71	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL 19	0.21 .7 ML 9 PERI 0.17
SSP HGH HPE May Lat: Griti Loce STAT BWH BNA BHH BHH BHH BHH BHH GCD ECK ESK	SN SE SZ 29 2 55.09 1 Ref: ality: I CO SZ SZ SZ SN SN SE SZ SZ SZ SZ	59 59 64 83 000 6N 296.12 I DIST 9 15 26 26 26 26 26 26 26 33 33 36 36	EP Time: Lon: kmE 57 (IES, D PHAS IP IP EP ES	2 05:0 3.62 9.19 k & G WT 2 2 1	28W .mN P C C	20:10 20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.25 30.97 32.92 36.31 37.50 33.71 33.87 34.32 38.88	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL 19 25	0.21 .7 ML 9 9 9 0.17 0.23
SSP HGH HPE May Lat: Grid Loce STAT BWH BNH BHH BHH BHH BHH BHH GCD ECK ESK ESK	SN SE SZ 29 2 55.09 1 Ref: ality: I CO SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ	59 59 64 83 000 6N 296.12 DIST 9 15 26 26 26 26 26 26 33 33 36 36 36	EP Time: Lon: KME 57' RIES, D PHAS IP IP EP ES IP EP EP IP	2 05:0 3.62 9.19 k & G WT 2 2 1 2	28W mN P C C	20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magnin Depth: Qualit SECS 30.25 30.97 32.92 36.12 36.31 37.50 33.71 33.87 34.32 88.88 89.69	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL 19 25 9	0.21 .7 ML .7 ML 0.17 0.23 0.24
SSP HGH HPE May Lat: Griti Loce STAT BWH BNA BHH BHH BHH BHH BHH GCD ECK ESK	SN SE SZ 29 2 55.09 1 Ref: ality: I CO SZ SZ SZ SN SN SE SZ SZ SZ SZ	59 59 64 83 000 6N 296.12 I DIST 9 15 26 26 26 26 26 26 26 33 33 36 36	EP Time: Lon: KME 57' RIES, D PHAS IP IP EP ES IP EP EP IP	2 05:0 3.62 9.19 k & G WT 2 2 1 2	28W mN P C C	20:10 20:10 20:09 20:09 7 UTC HrMn 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04 05:04	03.19 03.09 56.67 59.37 Magni Depth RMS: Qualit SECS 30.25 30.25 30.97 32.92 36.31 37.50 33.71 33.87 34.32 38.88	18 itude: 0 : 10.7 kn 0.06 secs y: B AMPL 19 25	0.21 .7 ML 9 9 9 0.17 0.23

		5N 206.70 l	Lon: cmE 848	5.22 3.43 k	25W mN	5 UTC	Depth: RMS:	tude: 0 : 7.4 km 0.02 secs	
Loca			CARRON			AND	Quality		
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
KAC	SZ	5	IP		C	14:37	29.25		
KPL	SZ	30	EP	1	D	14:37	33.12		
KPL	SN	30	ES	2		14:37	37.13	17	0.17
KPL	SN	30				14:37	37.45	17	0.17
KPL KSB	SE SZ	30 33	EP	3		14:37 14:37	37.47 33.46	32	0.14
NOD	5Z	55	EP	3		14:57	35.40		
June	6 20	00	Time	11.5	8 18	4 UTC	Maoni	tude: 1	5 ML
Lat:			Lon:		32W	4010		11.0 kn	
			cmE 283					0.16 secs	
			S BRIDO			D	Quality		
STAT	čo	DIST	PHAS	ŴT	Р	HrMn	SECS	AMPL	PERI
HCG	SZ	15	IP		D	11:58	21.46		
WFB	SZ	33	IP		D	11:58	24.41		
HTR	SZ	53	IP	1	D	11:58	27.71		
HLM	SZ	62	EP	1	С	11:58	29.25		
SBD	SZ	63	IP	1	С	11:58	29.14		
MCH	SZ	72	EP	2		11:58	30.62		
MCH	SE	72	ES	2		11:58	39.29		
MCH	SN	72				11:58	39.33	17	0.14
MCH	SE	72				11:58	39.52	19	0.27
YRH	SZ	73	IP		D	11:58	30.88		
YRE	SZ	75	IP		С	11:58	31.30		
HSA	SZ	80	EP	2		11:58	32.08		
YLL	SZ	83	IP		С	11:58	32.21		
HPE	SZ	87	EP	2		11:58	32.80		
WPM	SZ	92	IP	1	С	11:58	33.91		
WCB	SZ	117	EP	2		11:58	37.88		
WCB	SE	117	ES	2		11:58	50.85		
WCB	SN	117				11:58	53.92	8	0.23
WCB	SE	117				11:58	54.28	11	0.46
June	7 20					5 UTC		tude: 1	
Lat:	54.52		Lon:		13W			: 10.9 kn	
			cmE 514					0.05 secs	
			HIRLM				Qualit		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CKE	SZ	9	IP		D	03:26	02.05		
CSF	SZ	15	IP		C	03:26	02.95		
CDU	SZ	23	IP		C	03:26	03.96		
BBO	SZ	27	IP	~	D	03:26	04.75		
BBO	SN	27	ES	2		03:26	08.37	4.5	0.00
BBO	SN	27				03:26	08.59	45	0.26
BBO	SE	27	m		~	03:26	08.73	42	0.20
XDE	SZ	29		1	C C	03:26	05.04		
TNAT		20	IP						
LMI	SZ	38	IP	2	C	03:26	06.32		
LMI	SN	38		2	C	03:26 03:26	06.32 11.00	20	0.20
LMI LMI	SN SN	38 38	IP	2	C	03:26 03:26 03:26	06.32 11.00 12.06	28	0.20
LMI	SN	38	IP	2	C	03:26 03:26	06.32 11.00	28 19	0.20 0.33
LMI LMI LMI	SN SN SE	38 38 38	IP ES			03:26 03:26 03:26 03:26	06.32 11.00 12.06 12.38	19	0.33
LMI LMI LMI June	SN SN SE 11 2	38 38 38 000	IP ES Time:	11:3	6 26.	03:26 03:26 03:26	06.32 11.00 12.06 12.38 Magni	19 tude: 1	0.33 .1 ML
LMI LMI LMI June Lat:	SN SN SE 11 2 56.24	38 38 38 000	IP ES Time: Lon:	11:3 3.75	6 26. 57W	03:26 03:26 03:26 03:26	06.32 11.00 12.06 12.38 Magni Depth:	19 tude: 1 : 4.5 km	0.33 .1 ML
LMI LMI LMI June Lat: Grid	SN SN SE 11 2 56.24 Ref:	38 38 38 38 000 7N 291.17	IP ES Time: Lon: KmE 707	11:3 3.75 7.41 k	6 26. 57W mN	03:26 03:26 03:26 03:26 5 UTC	06.32 11.00 12.06 12.38 Magnir Depth: RMS:	19 tude: 1 : 4.5 km 0.03 secs	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca	SN SE 11 2 56.24 Ref: llity: I	38 38 38 000 7N 291.17 I 3LACK	IP ES Time: Lon: cmE 707 FORD, 7	11:3 3.75 7.41 k ГАҮS	6 26. 57W mN SIDE	03:26 03:26 03:26 03:26 5 UTC	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid	SN SN SE 11 2 56.24 Ref:	38 38 38 38 000 7N 291.17	IP ES Time: Lon: KmE 707	11:3 3.75 7.41 k	6 26. 57W mN	03:26 03:26 03:26 03:26 5 UTC	06.32 11.00 12.06 12.38 Magnir Depth: RMS:	19 tude: 1 : 4.5 km 0.03 secs	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT	SN SE 11 2 56.24 Ref: dity: I CO	38 38 38 000 7N 291.17 I BLACK DIST	IP ES Time: Lon: kmE 707 FORD, 7 PHAS	11:3 3.75 7.41 k ГАҮS	6 26. 57W mN SIDE P	03:26 03:26 03:26 03:26 5 UTC	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO	SN SE 11 2 56.24 Ref: dlity: I CO SZ SZ	38 38 38 0000 7N 291.17 I BLACK DIST 15 25	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP	11:3 3.75 7.41 k ГАҮS WT	6 26. 57W mN SIDE P C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS 29.58 31.24	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO	SN SE 11 2 56.24 Ref: Ility: I CO SZ SZ SZ	38 38 38 000 7N 291.17 I 3LACK DIST 15 25 36	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP	11:3 3.75 7.41 k ГАҮS	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magnir Depth: RMS: Quality SECS 29.58 31.24 33.07	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO	SN SE 11 2 56.24 Ref: dlity: I CO SZ SZ	38 38 38 0000 7N 291.17 I BLACK DIST 15 25	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP	11:3 3.75 7.41 k ГАҮS WT	6 26. 57W mN SIDE P C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS 29.58 31.24	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB	SN SE 11 2 56.24 Ref: Jlity: I CO SZ SZ SZ SZ	38 38 38 000 7N 291.17 I BLACK DIST 15 25 36 37 49	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP	11:3 3.75 7.41 k ГАҮS WT 2 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Qualit; SECS 29.58 31.24 33.07 33.18 35.21	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB EAU EDI	SN SE 11 2 56.24 Ref: lity: I CO SZ SZ SZ SZ SZ	38 38 38 000 7N 291.17 I BLACK DIST 15 25 36 37 49 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP EP EP EP EP	11:3 3.75 7.41 k ГАҮS WT 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 03:26 5 UTC 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS 29.58 31.24 33.07 33.18 35.21 35.39	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB EAU	SN SE 11 2 56.24 Ref: Ility: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	38 38 38 38 0000 17N 291.17 I 8LACK DIST 15 25 36 37 49 51 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP EP IP EP	11:3 3.75 7.41 k ГАҮS WT 2 2 2 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS 29.58 31.24 33.07 33.18 35.21 35.39 41.82	19 tude: 1. 4.5 km 0.03 secs y: B AMPL	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB EAU EDI EDI	SN SE 11 2 56.24 Ref: lity: I CO SZ SZ SZ SZ SZ SZ SZ	38 38 38 000 7N 291.17 I BLACK DIST 15 25 36 37 49 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP EP EP EP EP	11:3 3.75 7.41 k ГАҮS WT 2 2 2 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 03:26 5 UTC 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Quality SECS 29.58 31.24 33.07 33.18 35.21 35.39	19 tude: 1 : 4.5 km 0.03 secs y: B	0.33 .1 ML
LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI	SN SE 11 2 56.24 Ref: Ility: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	38 38 38 000 77N 291.171 8LACK DIST 15 25 36 37 49 51 51 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP EP EP EP EP	11:3 3.75 7.41 k ГАҮS WT 2 2 2 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Qualit SECS 29.58 31.24 33.07 33.18 35.21 35.21 41.82 42.34	19 tude: 1. : 4.5 km 0.03 secs y: B AMPL 10	0.33 1 ML PERI 0.16
LMI LMI LMI LMI LAT: Grid Loca STAT EBH ELO PCO PCO EAB EAU EDI EDI EDI EDI EDI	SN SE 11 2 56.24 Ref: Llity: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	38 38 38 38 0000 7N 291.17 I BLACK DIST 15 25 36 37 49 51 51 51 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP IP EP EP EP EP ES	11:3 3.75 7.41 k ГАУS WT 2 2 2 2 2	6 26. 57W mN SIDE P C C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Qualit SECS 29.58 31.24 33.07 33.18 35.21 35.39 41.82 42.34	19 tude: 1. : 4.5 km 0.03 secs y: B AMPL 10	0.33 1 ML PERI 0.16
LMI LMI LMI LMI LAT: Grid Loca STAT EBH ELO PCO PCO EAB EAU EDI EDI EDI EDI EDI	SN SE 11 2 56.24 Ref: Llity: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	38 38 38 38 0000 77N 291.171 8LACK DIST 15 25 36 37 49 51 51 51 51 51 51	IP ES Time: Lon: cmE 700 FORD, 7 PHAS IP EP IP EP EP EP ES EP EP	11:3 3.75 7.41 k FAYS WT 2 2 2 2 2 2	6 26. 57W mN SIDE C C C	03:26 03:26 03:26 03:26 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magnii Depth: RMS: Qualit ; SECS 29.58 31.24 33.07 33.18 35.21 35.39 41.82 42.34 42.87 36.33	19 tude: 1. : 4.5 km 0.03 secs y: B AMPL 10	0.33 1 ML PERI 0.16 0.23
LMI LMI LMI LMI June Lat: Grid Loca STAT EBH ELO PCO EAB EAU EDI EDI EDI EDI EDI EDU June Lat:	SN SE 11 2 56.24 Ref: Ility: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	38 38 38 38 000 77N 291.171 3LACK DIST 15 25 36 37 49 51 51 51 51 51 51 51 51 51	IP ES Time: Lon: cmE 707 FORD, 7 PHAS IP IP EP EP EP EP ES EP EP Time: Lon:	11:3 3.75 7.41 k FAYS WT 2 2 2 2 2 2 2 2 2 2 3 4.35	6 26. 57W SIDE C C C 6 55. 01W	03:26 03:26 03:26 03:26 03:26 5 UTC 5 UTC HrMn 11:36 11:36 11:36 11:36 11:36 11:36 11:36 11:36	06.32 11.00 12.06 12.38 Magni Depth: RMS: Qualit SECS 29.58 31.24 33.07 33.18 35.21 35.21 35.21 35.21 35.21 35.39 41.82 42.34 42.87 36.33 Magni	19 tude: 1. : 4.5 km 0.03 secs y: B AMPL 10 15	0.33 1 ML PERI 0.16 0.23 3 ML
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Grid Locc Com STAT YRE YRH VLL WLF WFM WCB WCB WCB WCB WCB SSP SSP SSP SSP SSP SSP SSP SSP MCH MCH MCH MCH MCH MCH MCH SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	I Ref: ality: I ality: I ments CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	239.48 LLEYN ILEYN FELT DIST 3 22 25 34 36 39 46 47 47 47 49 76 106 106 106 106 106 106 106 10	KINE 343 PENIN, LLANB PHAS IP IP IP IP IP EP ES IP IP IP ES EP EP EP ES IP IP IP ES EP IP ES IP EP ES IP EP ES IP EP ES IP IP IP IP IP IP IP IP IP IP IP IP IP	3.41 kn GWY ERIS WT 1 1 2 1 1 2 2 3.085 1.12 kn DERS SF HA WT 2 1 2	NNE. PDCCDCDCD CCD 7.W WIC CCC C	HrMn 14:37 14:49	RMS: Qualit Intensi SECS 3ECS 17.35 18.67 18.99 20.19 20.38 20.39 21.89 22.03 27.92 22.03 27.92 20.36 31.10 43.73 45.22 36.36 54.23 Magnit Percession SECS 10.40 12.17 12.22 13.54 14.00 18.59 19.68 15.24	0.05 secs y: A ity: 4+ AMPL 130 122 120 137 tude: 1: : 8.1 km 0.16 secs y: B AMPL 136 185	0.11 0.23 0.15 0.17 3 ML 5 PERI 0.11 0.08
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Grid Locc Com STAT YRE YRH VLL WLF WFM WCB WCB WCB WCB WCB SSP SSP SSP SSP SSP SSP SSP SSP MCH MCH MCH MCH MCH MCH MCH SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	I Ref: ality: I ality: I ments CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	239.48 LLEYN ILEYN FELT DIST 3 22 25 34 36 39 46 47 47 47 49 76 106 106 106 106 106 106 106 10	KINE 343 PENIN, LLANB PHAS IP IP IP IP IP EP ES IP IP IP ES EP EP EP ES IP IP IP ES EP IP ES IP EP ES IP EP ES IP EP ES IP IP IP IP IP IP IP IP IP IP IP IP IP	3.41 kn GWY ERIS WT 1 1 2 1 1 2 2 3.088 1.12 kn DERS 0F HA WT 2 1 2	NNE. PDCCDCDCD CCD 7.W WIC CCC C	HrMn 14:37 14:49	RMS: Qualit Intensi SECS 3ECS 17.35 18.67 18.99 20.19 20.38 20.39 21.89 22.03 27.92 22.03 27.92 20.36 31.10 43.73 45.22 36.36 54.30 54.23 Magnit Depth: RMS: Qualit SECS 10.40 12.17 12.22 13.54 14.00 18.59 19.68 15.24	0.05 secs y: A ity: 4+ AMPL 130 122 120 137 tude: 1: : 8.1 km 0.16 secs y: B AMPL 136 185	0.11 0.23 0.15 0.17 3 ML 5 PERI 0.11 0.08

BTA BTA BTA	SN SN SE	60 60 60	ES	2		14:49 14:49 14:49	25.63 25.72 26.00	21 11	0.22 0.28
Loca	Ref: 1 Ref: 1	6N 195.14 ARRAN	Time: Lon: cmE 614 , STRA SOUTH	5.23 4.97 ki FHCL	4W mN YDE			14.8 kn 0.08 secs	
STAT GMK PMS GCL GAL GAL GAL GAL GAL	CO SZ SZ SZ SZ SN SN SN SE	DIST 23 60 66 67 67 67 67 67	PHAS IP EP EP EP ES	WT 2 2 3 2	P C	HrMn 04:31 04:31 04:31 04:31 04:31 04:31 04:31	SECS 21.75 27.25 28.12 28.41 36.54 39.48 39.09	AMPL 4 5	PERI 0.16 0.05
PCA	SZ	71	EP	3		04:31	28.65		
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CWF CWF CWF	SZ SN SE	77 77 77	EP ES	3 3		20:50 20:50 20:50	12.55 22.46 23.17	12	0.16
	Ref:	4N 193.83 I	Time: Lon: cmE 85 DON, HI	5.44 3.45 ki	4W mN	5 UTC	Depth:	tude: -0 9.0 km 0.01 secs v: C	
STAT KAC KPL KPL KPL KPL	ČO SZ SZ SN SN SN SE	DIST 9 24 24 24 24 24	PHAS IP EP ES	WT 3 3	P C	HrMn 19:50 19:50 19:50 19:50 19:50	SECS 26.94 29.11 32.51 32.79 32.86	AMPL 3 3	PERI 0.13 0.18
Loca	Ref: ality: A	07N 198.95 APPIN,	Lon: cmE 75 STRAT	5.27 0.95 ki HCLY	6W mN) UTC	Depth:	tude: 1 8.7 km 0.11 secs y: C	
Lat: Grid Loca	56.60 Ref: dity: A	07N 198.95 APPIN, : FELT	Lon: mE 75	5.27 0.95 ki HCLY 	6W mN 7DE	HrMn 07:10 07:10 07:10 07:10 07:10 07:10 07:10	Depth: RMS:	8.7 km 0.11 secs y: C	
Lat: Grid Loca Com STAT KNR KAR KAR KAR KAR KPL KPL KPL KPL KPL KPL KPL KPL KPL KPL	56.60 Ref: Julity: A ments: CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	7N 198.95 I APPIN, FELT 5KM N DIST 30 48 68 74 85 85 85 85 85 85 85 91 98 99 100 116 139 150	Lon: cmE 750 STRAT APPIN. VORTH PHAS IP IP IP IP EP IP	5.27 0.95 km HCLY OF A WT	6W mN (DE PPIN P C C D	HrMn 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10	Depth: RMS: Quality Intensi SECS 04.35 07.30 10.38 11.21 13.28 23.04 27.82 26.97 13.94 15.05 15.74 15.50 18.23 21.89 40.90	8.7 km 0.11 secs y: C ity: 3+ AMPL 11 12	9ERI 0.18 0.21
Lat: Grid Loca Com STAT KNR KAR KSB EAB KPL KPL KPL KPL KPL KPL KPL KPL KPL KPL	56.60 1 Ref: dity: A ments: CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	7N 198.95 I APPIN, FELT 5KM I DIST 30 48 68 74 85 85 85 85 91 98 99 100 150 150 150 150 22N 389.45 I	Lon: smE 75 STRAT APPIN. NORTH PHAS IP IP IP EP EP EP EP EP EP EP EP EP E	5.27 0.95 kH HCLX OF A WT 2 2 2 2 2 2 2 2 4 4 15:4 ² 2 2 2 2 2 4 2.15 5.6.13 kl	6W mN DE PPIN P C C D D D 9 6.5 7W mN	HrMn 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10 07:10	Depth: RMS: (Quality Intensi SECS 04.35 07.30 10.38 11.21 13.28 23.04 27.82 26.97 13.94 15.05 15.74 15.05 15.74 15.05 15.74 15.05 18.23 21.89 40.90 41.44 1.96 Magnit Depth: RMS: (8.7 km 0.11 secs y: C ity: 3+ AMPL 11 12 11 11 12 2.6 km 0.03 secs	 PERI 0.18 0.21 0.20 0.31 11 ML
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	Ref:	.5N 202.35 I	Lon: cmE 851	5.300 1.98 kn		Depth	tude: -0 : 13.3 km 0.01 secs	ı
STAT	CO	DIST	PHAS		P HrMn	SECS	AMPL	PERI
KAC	SZ	2	IP		C 00:23	07.92		
KAC KPL	SZ SZ	2 29	ES EP	3 3	00:23 00:23	$09.67 \\ 11.00$		
KPL	SN	29	ES	3	00:23	14.96		
KPL KPL	SN SE	29 29			00:23 00:23	15.43 15.34	$\frac{2}{2}$	0.20 0.09
June Lat:	30 2/ 62.47		Time: Lon:	11:55 1.364	25.1 UTC E	Magni Denth	tude: 2. : 18.4 km	.8 ML
Grid	Ref:	573.40 1	cmE 140	3.82 kr		RMS:	0.27 secs	
Loca STAT	ality: N CO	ORWI DIST	EGIAN S PHAS		P HrMn	Qualit SECS	y: D AMPL	PERI
FOO	SZ	216	EP	2	11:55	55.63	AIMIL	I LINI
FOO	SZ	216	ES	2	11:56	17.92		
SUE YEL	SZ SZ	239 251	EP EP	2 3	11:55 11:56	57.47 00.25		
WAL	SZ	294	EP	2	11:56	05.21		
LRW	SZ SE	294 294	EP	2	11:56	05.46 34.32		
LRW LRW	SE SN	294 294	ES	3	11:56 11:56	34.32 35.83	20	0.21
LRW	SE	294			11:56	35.44	31	0.12
ASK ASK	SZ SZ	302 302	EP ES		11:56 11:56	06.57 36.73		
SAN	SZ	307	EP	2	11:56	06.97		
EGD	SZ	321	EP	2	11:56	08.80		
EGD	SZ	321	ES	2	11:56	40.05		
July	3_20				34.6 UTC		tude: 0.	
Lat: Grid			Lon: mE 852	5.512 2.62 kn			: 13.5 km 0.08 secs	
			DON, HI			Qualit		•
					RRIDON	an co		DEDI
STAT KAC	CO SZ	DIST 13	PHAS IP		P HrMn C 08:36	SECS 37.91	AMPL	PERI
KPL	SZ	21	IP		D 08:36	38.93		
KPL	SE	21	ES	2	08:36	42.30	12	0.16
KPL KPL	SN SE	21 21			08:36 08:36	42.56 42.56	13 20	$0.16 \\ 0.15$
KSB	SZ	34	EP	2	08:36	41.07		
KSB	SZ	34	ES	3	08:36	45.34		
July	3 20				18.7 UTC			.7 ML
Lat:	59.37	4N	Lon:	1.665	E	Depth	: 14.9 kn	1
Lat: Grid	59.37 l Ref:	'4N 608.20 l		1.665 9.84 kı	SE nN	Depth	: 14.9 km 0.35 secs	1
Lat: Gric Loca STAT	59.37 Ref: ality: N CO	'4N 608.20 NORTH DIST	Lon: cmE 105 ERN NC PHAS	1.665 9.84 ki ORTH WT	SE nN SEA P HrMn	Depth RMS: Qualit SECS	: 14.9 km 0.35 secs	1
Lat: Grid Loca	59.37 l Ref: ality: N CO SZ	4N 608.20 I NORTH DIST 179	Lon: cmE 105 ERN NC PHAS EP	1.665 9.84 ki ORTH WT 2	E nN SEA P HrMn 08:41	Depth RMS: Qualit SECS 45.26	: 14.9 km 0.35 secs y: D	1
Lat: Grid Loca STAT SAN LRW LRW	59.37 I Ref: ality: N CO SZ SZ SE	' 4N 608.20 North Dist 179 181 181	Lon: cmE 105 ERN NC PHAS	1.665 9.84 ki ORTH WT	E nN SEA P HrMn 08:41 08:41 08:42	Depth RMS: Qualit SECS 45.26 46.84 05.89	: 14.9 km 0.35 secs y: D	PERI
Lat: Grid Loca STAT SAN LRW LRW LRW	59.37 I Ref: ality: N CO SZ SZ SE SN	4N 608.20 I NORTH DIST 179 181 181 181	Lon: CME 105 ERN NO PHAS EP EP EP	1.665 9.84 ki ORTH WT 2 2	E nN SEA P HrMn 08:41 08:41 08:42 08:42	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45	: 14.9 km 0.35 secs y: D AMPL 6	9 PERI 0.07
Lat: Grid Loca STAT SAN LRW LRW	59.37 I Ref: ality: N CO SZ SZ SE	' 4N 608.20 North Dist 179 181 181	Lon: CME 105 ERN NO PHAS EP EP EP	1.665 9.84 kr DRTH WT 2 2 2	E nN SEA P HrMn 08:41 08:41 08:42	Depth RMS: Qualit SECS 45.26 46.84 05.89	: 14.9 km 0.35 secs y: D AMPL	PERI
Lat: Grid Loc: STAT SAN LRW LRW LRW LRW	59.37 I Ref: ality: N CO SZ SZ SZ SE SN SE	4N 608.20 I NORTH DIST 179 181 181 181 181	Lon: cmE 105 ERN NC PHAS EP EP ES	1.665 9.84 ki ORTH WT 2 2	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50	: 14.9 km 0.35 secs y: D AMPL 6	9 PERI 0.07
Lat: Grid Loca STAT SAN LRW LRW LRW LRW LRW YEL	59.37 I Ref: ality: N CO SZ SZ SZ SE SN SE SN SE SZ	4N 608.20 I NORTH DIST 179 181 181 181 181 202 209	Lon: CME 105 ERN NC PHAS EP EP ES EP EP EP	1.665 9.84 kr DRTH WT 2 2 2 2 2	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42 08:42	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17	: 14.9 km 0.35 secs y: D AMPL 6	PERI 0.07 0.19
Lat: Grid Loca STAT SAN LRW LRW LRW LRW YEL WAL July Lat:	59.37 I Ref: 1 ality: N CO SZ SZ SZ SZ SZ SZ SZ 4 20 53.01	4N 608.20 I NORTH DIST 179 181 181 181 181 202 209 00 7N	Lon: CME 105 ERN NC PHAS EP EP ES EP EP Time: Lon:	1.665 9.84 kr DRTH 2 2 2 2 2 04:21 4.536	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42 08:42 08:41 08:41 54.7 UTC W	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0 : 15.6 km	 PERI 0.07 0.19 5 ML
Lat: Grid Loc: SAN LRW LRW LRW LRW LRW YEL WAL July Lat: Grid	59.37 I Ref: ality: N CO SZ SZ SE SN SE SZ SZ 4 20 53.01 I Ref:	4N 608.20 I NORTH DIST 179 181 181 181 181 202 209 00 7N 229.93 I	Lon: cmE 105 ERN NC PHAS EP EP ES EP EP Time: Lon: cmE 349	1.665 9.84 kr DRTH 2 2 2 2 2 04:21 4.536 0.66 kn	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42 08:42 08:41 54.7 UTC W iN	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth RMS:	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0 : 15.6 km 0.07 secs	 PERI 0.07 0.19 5 ML
Lat: Grid STAT SAN LRW LRW LRW LRW YEL WAL July Lat: Grid Loc: STAT	59.37 I Ref: 1 ality: N CO SZ SZ SZ SZ SZ SZ SZ 4 200 53.01 I Ref: 2 ality: C CO	4N 608.20 I NORTH DIST 179 181 181 181 181 202 209 00 7N 229.93 I CAERN DIST	Lon: cmE 105 ERN NC PHAS EP EP EP EP EP Time: Lon: cmE 349 ARVON PHAS	1.665 9.84 kr DRTH WT 2 2 2 2 2 04:21 4.536 0.66 kn BAY, WT	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42 08:42 08:41 54.7 UTC W N GWYNEDD P HrMn	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0 : 15.6 km 0.07 secs	 PERI 0.07 0.19 5 ML
Lat: Gric Loca: STAT SAN LRW LRW LRW YEL WAL July Lat: Gric Loca: STAT YRE	59.37 I Ref: (ality: N CO SZ SZ SE SN SE SZ 4 20 53.01 I Ref: (co SZ	4N 608.20 I NORTH DIST 179 181 181 181 181 202 209 00 7N 229.93 I CAERN DIST 8	Lon: cmE 105 ERN NC PHAS EP EP EP EP Time: Lon: cmE 345 ARVON PHAS IP	1.665 9.84 kr DRTH WT 2 2 2 2 2 04:21 4.536 0.66 kn BAY, WT	E nN SEA P HrMn 08:41 08:42 08:42 08:42 08:42 08:41 08:41 54.7 UTC W N GWYNEDD P HrMn D 04:21	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth RMS: Qualit SECS 57.64	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0. : 15.6 km 0.07 secs y: B	0.07 0.19 5 ML
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Lat: Gric Locs STAT SAN LRW LRW LRW LRW VEL WAL July LAT: Gric Locs STAT YRE YRH YRC YLL WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	59.37 I Ref: 6 6 11 (y: N CO 5 5 5 1 (Ref: 6 5 5 5 5 5 1 (Ref: 6 5 5 5 5 5 5 5 20 5 5 3 5 5 2 5 5 3 5 5 5 5 5 5 5 5	 4N 608.20 I 608.20 I 179 181 181 181 202 209 00 7N 229.93 I CAERN DIST 8 21 26 28 32 40 40<td>Lon: cmE 105 ERN NC PHAS EP EP EP EP EP Time: Lon: cmE 344 ARVON PHAS IP EP EP EP EP EP EP EP EP EP E</td><td>1.665 9.84 kn DRTH WT 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</td><td>E NN SEA P HrMn 08:41 08:42 04:21 C 04:22 04:23 0 023:10 23:10 23:10</td><td>Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth RMS: Qualit SECS 57.64 59.07 00.43 02.11 06.53 09.62 07.56 02.34 Magni Depth RMS: Qualit SECS 00.41 02.81 04.08 05.92 06.00</td><td>: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0. : 15.6 km 0.07 secs y: B AMPL 4 6 tude: 1. : 0.5 km 0.13 secs y: C</td><td>0.07 0.19 5 MIL 9 PERI 0.10 0.04</td>	Lon: cmE 105 ERN NC PHAS EP EP EP EP EP Time: Lon: cmE 344 ARVON PHAS IP EP EP EP EP EP EP EP EP EP E	1.665 9.84 kn DRTH WT 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	E NN SEA P HrMn 08:41 08:42 04:21 C 04:22 04:23 0 023:10 23:10 23:10	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Magni Depth RMS: Qualit SECS 57.64 59.07 00.43 02.11 06.53 09.62 07.56 02.34 Magni Depth RMS: Qualit SECS 00.41 02.81 04.08 05.92 06.00	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0. : 15.6 km 0.07 secs y: B AMPL 4 6 tude: 1. : 0.5 km 0.13 secs y: C	0.07 0.19 5 MIL 9 PERI 0.10 0.04
Lat: Gric Loc: STAT SAN LRW LRW LRW LRW LRW LRW URW LRW LRW LRW TAT Gric Loc: STAT YRH YRC YLL WLF WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	59.37 I Ref: A ality: I CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	'4N 608.20 I 608.20 I JIST DIST 179 181 181 181 181 209 00 7N 229.93 I CAERN DIST 8 21 26 28 32 40 40 40 45 00 8N 456.30 I ROTHE C/F,10 DIST 32 48 55 66 55	Lon: cmE 105 ERN NC PHAS EP EP EP EP EP Come: cmE 345 ARVON PHAS IP EP EP EP EP EP EP EP EP EP E	1.665 9.84 kn DRTH WT 2 2 2 2 2 2 2 04:21 4.536 0.66 km BAY, WT 1 1 1 2 2 2 2 3.87 km S YOH DF RO UF RO WT 2 3 3.2	E NN SEA P HrMn 08:41 08:41 08:42 08:42 08:42 08:42 08:41 08:41 54.7 UTC W N GWYNEDD P HrMn D 04:21 C 04:21 C 04:22 04:23 0 23:10 23:10 23:10	Depth RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 49.17 Maghin Depth RMS: Qualit SECS 57.64 00.43 02.11 06.53 09.62 07.56 02.34 Magnin Depth RMS: Qualit SECS 02.34 Magnin Depth RMS: Qualit SECS 02.34	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0. : 15.6 km 0.07 secs y: B AMPL 4 6 tude: 1. : 0.5 km 0.13 secs y: C	0.07 0.19 5 MIL 9 PERI 0.10 0.04
Lat: Grid Loca: STAT SAN LRW LRW LRW LRW URW WAL WAL WAL WAL Grid Loca: STAT YRE YRH YRC YLL WLF WCB WCB WCB WCB WCB WCB WCB WCB WCB WCB	59.37 I Ref: for constant of the second se	AN 608.20 I 608.20 I I 00 ORTH DIST 179 181 181 181 181 202 209 OO 7N 229.93 I 229.93 I CAERN DIST 8 21 26 28 32 40 40 40 40 45 00 88N 456.30 I 8456.30 I S55 66 66 79 79	Lon: smE 105 ERN NG PHAS EP EP EP EP EP EP EP EP EP EP	1.665 9.84 kn DRTH WT 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	E NN SEA P HrMn 08:41 08:41 08:42 08:42 08:42 08:42 08:41 08:41 54.7 UTC W NN GWYNEDD P HrMn D 04:21 C 04:21 C 04:21 C 04:22 02 02 02 02 02 02 02 02 02	Depth. RMS: Qualit SECS 45.26 46.84 05.89 09.45 07.50 48.59 09.45 07.50 48.59 09.45 07.50 48.59 09.45 07.50 48.59 09.45 00.04 00.43 02.11 06.53 09.62 07.56 02.34 Magni Depth RMS: Qualit SECS 00.41 02.81 0	: 14.9 km 0.35 secs y: D AMPL 6 7 tude: 0. : 15.6 km 0.07 secs y: B AMPL 4 6 tude: 1. : 0.5 km 0.13 secs y: C	0.07 0.19 5 MIL 9 PERI 0.10 0.04

July	10 20		Time:			UTC		tude: 2	
Lat: Grid	61.08 Ref:		Lon: mE 125	2.36 2.85 k				: 22.5 kn 0.19 secs	
			ERN NO			4	Qualit		
STAT	CO	DIST 129	PHAS EP	WT	Р	HrMn	SECS	AMPL	PERI
SUE SUE	SZ SZ	129	ES	$\frac{2}{2}$		09:06 09:06	20.33 33.87		
FOO	SZ	154	EP	2		09:06	23.89		
FOO	SZ	154	ES	2 2		09:06	40.47		
ASK ASK	SZ SZ	169 169	EP ES	$\frac{2}{2}$		09:06 09:06	26.22 43.40		
BER	SZ	180	ES	2		09:06	45.89		
EGD	SZ	181	EP	2		09:06	27.68		
EGD YEL	SZ SZ	181 197	ES EP	2 2		09:06 09:06	45.99 29.28		
HYA	SZ	206	EP	$\frac{2}{2}$		09:06	30.65		
LRW	SZ	221	EP	2		09:06	32.18		
LRW LRW	SE SN	221 221	ES	3		09:06 09:06	54.61 55.65	16	0.11
LRW	SE	221				09:06	56.64	10	0.11
SAN	SZ	231	EP	2		09:06	33.44		
WAL	SZ	236	EP	2		09:06	33.91		
July	12 20	000	Time:	19:4	8 52.	3 UTC	Magni	tude: 1	.7 ML
Lat:			Lon:	4.44				5.6 km	
		224.76 k DODMA	ME 16 N POIN	.52 kn IT CO		WALL	Qualit	0.05 secs	6
						POINT	Quant	y. D	
STAT	CO	DIST	PHAS	WT	Ρ	HrMn	SECS	AMPL	PERI
CSA CMA	SZ SZ	49 49	EP EP	$\frac{1}{2}$	D	19:49 19:49	00.75 00.90		
CMA	SZ	52	EP	$\frac{2}{2}$		19:49	01.18		
CR2	SZ	54	EP	2		19:49	01.78		
CR2	SN	54	ES	3		19:49	09.00	24	0.06
CR2 CR2	SN SE	54 54				19:49 19:49	09.29 09.61	34 38	0.06 0.05
CCO	SZ	55	EP	1	D	19:49	01.84		0100
CGW	SZ	56	EP	3		19:49	02.00		
CCA	SZ	59	EP	2		19:49	02.62		
July	13 20					7 UTC		tude: 1	
Lat:			Lon: mE 578	3.62 2 50 kg				: 11.0 kn 0.06 secs	
			IES, D &		uu v		Qualit)
STAT	ČO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
BWH	SZ SZ	10 14	IP		C C	23:20	49.36		
BNA BHH	SZ SZ	14 26	IP IP		D	23:20 23:20	49.88 51.86		
BHH	SN	26	ËS	2	-	23:20	55.12		
BHH	SN	26				23:20	55.25	37	0.22
BHH GCD	SE SZ	26 32	EP	2		23:20 23:20	55.49 52.62	39	0.21
ECK	SZ	33	IP	1	D	23:20	52.87		
ESK	SZ	37	IP	2	С	23:20	53.38		
ESK ESK	SE SN	37 37	ES	2		23:20 23:20	58.06 58.76	16	0.15
ESK	SE	37				23:20	58.69	15	0.09
BBH	SZ	45	EP	2		23:20	54.74		
July	14 20	000	Time:	21:2	5 24.	3 UTC	Magni	tude: 1	.4 ML
Lat:			Lon:	2.54				5.9 km	
			mE 303 RD, SHF			r'	Qualit	0.07 secs	6
STAT	čo i	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
HLM	SZ	26	IP	1	С	21:25	29.12		
SSP SSP	SZ SN	45 45	IP ES	$\frac{1}{2}$	С	21:25 21:25	32.18 37.84		
SSP	SN	45	L .J	2		21:25	38.34	19	0.09
SSP	SE	45				21:25	38.45	10	0.22
SBD KWE	SZ SZ	57 64	EP EP	3 2		21:25 21:25	34.03 35.12		
HAE	SZ	66	EP	$\frac{2}{2}$		21:25	35.58		
MCH	SZ	77	EP	2		21:25	37.07		
MCH MCH	SN SN	77 77	ES	2		21:25 21:25	46.62 47.04	23	0.14
MCH	SE	77				21:25	47.04	23	0.14
HTR	SZ	79	EP	2		21:25	37.48		
HCG	SZ	83	EP	2		21:25	38.37		
CWF CWF	SZ SE	85 85	EP ES	2 3		21:25 21:25	38.24 48.19		
CWF	SN	85				21:25	50.81	13	0.08
CWF	SE	85	ED	n		21:25	51.82	8	0.11
KBI	SZ	98	EP	2		21:25	40.84		
July	15 20		Time:			2 UTC	Magni		.7 ML
Lat: Grid			Lon: mE 405	1.16 5.71 ki				: 0.3 km 0.25 secs	
Loca	lity: I	DONCA	STER, S	5 YOF	RKSI		Qualit		•
Com	ments	: C/F,FF	ELT SĆA	WTH	IOR	PE	Intensi	ity: 2+	DEDI
STAT KBI	CO SZ	DIST 59	PHAS EP	WT 3	Р	HrMn 03:43	SECS 10.66	AMPL	PERI
	~			2			10.00		

KBI	SZ	59	ES	3		03:43	18.94		
LHO	SZ	69	EP	3		03:43	12.32		
HPK HPK	SZ SE	70 70	EP ES	3 3		03:43 03:43	13.02 21.65		
CWF	SZ	97	EP	3		03:43	19.37		
CWF	SN	97	ES	3		03:43	31.12		
CWF CWF	SN SE	97 97				03:43 03:43	33.91 34.50	13 23	0.29 0.20
CWF	SE	97				05:45	54.50	25	0.20
July	17 20		Time:			UTC	Magnit		.9 ML
Lat: Grid	49.53 Ref:		Lon: cmE -35	4.93 98 kr				15.0 kn 0.21 secs	
Loca	lity: F	ENGLIS	SH CHAI	NNEI			Quality	y: D	
STAT CGH	CO SZ	DIST 59	PHAS EP	WT 2	Р	HrMn 02:06	SECS 12.77	AMPL	PERI
CGW	SZ	66	EP	3		02:00	13.66		
CCO	SZ	69	EP	3		02:06	15.08		
CR2 CR2	SZ SE	72 72	EP ES	3 3		02:06 02:06	14.63 23.47		
CR2	SN	72	25	5		02:06	25.07	3	0.06
CR2	SE	72				02:06	25.72	5	0.08
July	17 20	000	Time:	23:3	2 20.	6 UTC	Magni	tude: 1	.2 ML
Lat:	55.09		Lon:	3.62			Depth:	11.0 kn	1
			mE 579 IES, D &		mN		RMS: 0	0.07 secs v: B	6
			TINWA				Intensi		
STAT BWH	CO SZ	DIST 9	PHAS IP	WΤ	P C	HrMn 23:32	SECS 23.29	AMPL	PERI
BNA	SZ	9 14	IP		č	23:32	23.29		
BHH	SZ	26	IP	1	D	23:32	25.88		
BHH BHH	SN SN	26 26	ES	2		23:32 23:32	29.16 29.29	75	0.21
BHH	SE	26				23:32	30.49	80	0.21
GCD	SZ	33	IP		С	23:32	26.71		
ECK ESK	SZ SZ	33 37	IP IP	1	D C	23:32 23:32	26.91 27.35		
ESK	SE	37	ËS	2	C	23:32	31.71		
ESK ESK	SN	37				23:32	32.71	27 29	0.17 0.15
BBH	SE SZ	37 45	IP	1	D	23:32 23:32	32.70 28.76	29	0.15
Tala	10 20	00	Times	14.5	1 55 1	TUTC	Mogni	huda. A	о мт
July Lat:	18 20 53.12		Time: Lon:	14:5		/010		tude: 0 1.0 km	
Crid	Ref.	447 04 1	cmE 359	221-	The T		DMC.	0 40	
								0.40 secs	,
Loca	lity: N	MANSF	IELD, N	OTTS	5	FIELD	Quality		,
Loca Com STAT	lity: M ments: CO	AANSF : C/F,6H DIST	IELD, N KM SW (PHAS	OTTS OF M WT	5	HrMn	Quality SECS		PERI
Loca Com STAT KBI	lity: M ments: CO SZ	AANSF C/F,6F DIST 22	IELD, N (M SW (PHAS EP	OTTS OF M WT 3	5 ANS	HrMn 14:52	Quality SECS 00.39	y: D	
Loca Com STAT	lity: M ments: CO	AANSF : C/F,6H DIST	IELD, N KM SW (PHAS	OTTS OF M WT 3 3 3	5 ANS	HrMn	Quality SECS	y: D	
Loca Com STAT KBI KWE CWF CWF	llity: M ments: CO SZ SZ SZ SZ SE	HANSF C/F,6F DIST 22 39 44 44	IELD, N (M SW (PHAS EP EP	OTTS OF M WT 3 3	5 ANS	HrMn 14:52 14:52 14:52 14:52	Quality SECS 00.39 02.68 03.35 10.14	y : D AMPL	PERI
Loca Com STAT KBI KWE CWF	llity: M ments: CO SZ SZ SZ SZ	AANSF : C/F,6F DIST 22 39 44	IELD, N CM SW (PHAS EP EP EP EP	OTTS OF M WT 3 3 3	5 ANS	HrMn 14:52 14:52 14:52 14:52 14:52	Quality SECS 00.39 02.68 03.35	y: D	
Loca Com STAT KBI KWE CWF CWF CWF CWF CWF	lity: M ments: CO SZ SZ SZ SE SN SE	MANSF C/F,6H DIST 22 39 44 44 44 44	IELD, N KM SW (PHAS EP EP EP ES	OTTS OF M WT 3 3 3 3	S ANS P	HrMn 14:52 14:52 14:52 14:52 14:52 14:52 14:52	Quality SECS 00.39 02.68 03.35 10.14 11.76 11.09	7 10	PERI 0.12 0.20
Loca Com STAT KBI KWE CWF CWF CWF CWF CWF CWF	lity: M ments: CO SZ SZ SZ SZ SE SN SE 23 20	MANSF DIST 22 39 44 44 44 44	IELD, N CM SW (PHAS EP EP EP ES Time:	OTTS OF M WT 3 3 3 3 19:2'	5 ANS P 7 44.'	HrMn 14:52 14:52 14:52 14:52 14:52 14:52 14:52	Quality SECS 00.39 02.68 03.35 10.14 11.76 11.09 Magnit	7 10 tude: -0	PERI 0.12 0.20
Loca Com STAT KBI KWE CWF CWF CWF CWF CWF July Lat: Grid	lity: M ments: CO SZ SZ SZ SE SN SE 23 20 53.10 Ref: 2	IANSF C/F,6F DIST 22 39 44 44 44 44 44 40 3N 226.59 I	IELD, N M SW (PHAS EP EP EP ES Time: Lon: cmE 359	OTTS OF M WT 3 3 3 3 19:2' 4.59 0.39 km	5 P 7 44. 1W mN	HrMn 14:52 14:52 14:52 14:52 14:52 14:52 14:52 14:52 7 UTC	Quality SECS 00.39 02.68 03.35 10.14 11.76 11.09 Magnit Depth: RMS: 0	y: D AMPL 7 10 tude: -0 15.1 kn 0.06 secs	PERI 0.12 0.20 .1 ML
Loca Com STAT KBI KWE CWF CWF CWF CWF CWF July Lat: Grid Loca	lity: M ments: CO SZ SZ SZ SE SN SE 23 20 53.10 Ref: 2 dity: C	1ANSF : C/F,6F DIST 22 39 44 44 44 44 44 000 3N 226.59 I CAERN	IELD, N (M SW (PHAS EP EP ES Time: Lon: cmE 359 ARVON	OTTS OF M WT 3 3 3 3 19:2' 4.59 0.39 km BAY	5 P 7 44. 1W mN , GW	HrMn 14:52 14:52 14:52 14:52 14:52 14:52 14:52 14:52 7 UTC	Quality SECS 00.39 02.68 03.35 10.14 11.76 11.09 Magnity Depth: RMS: 0 Quality	y: D AMPL 7 10 tude: -0 15.1 kn 0.06 secs y: C	0.12 0.20 .1 ML
Loca Com STAT KBI KWE CWF CWF CWF CWF CWF CWF CWF CWF CWF CWF	lity: M ments: CO SZ SZ SZ SE SN SE 23 20 53.10 Ref: 1 lity: C CO SZ	IANSF C/F,6F DIST 22 39 44 44 44 44 44 44 000 3N 226.59 I DIST 17	IELD, N (M SW (PHAS EP EP ES Time: Lon: cmE 359 ARVON PHAS IP	OTTS OF M WT 3 3 3 3 19:2' 4.59 0.39 ki BAY WT 1	5 P 7 44. 1W mN , GW P C	HrMn 14:52 14:52 14:52 14:52 14:52 14:52 7 UTC 7 UTC WYNEDD HrMn 19:27	Quality SECS 00.39 02.68 03.35 10.14 11.76 11.09 Magnit Depth: RMS: Quality SECS 48.45	y: D AMPL 7 10 tude: -0 15.1 kn 0.06 secs	PERI 0.12 0.20 .1 ML
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HPK HPK CWF CWF CWF CWF CUU CSF August Lat: Grid Loca STAT JVM JLP JLP JLP JLP JLSA JRS JRS JRS JRS JRS JRS JRS	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSEX DIST 19 22 23 26 26 26 26 26 26 26 26 8N	EP EP EP Time: Lon: cmE -60 (, CHAN PHAS IP IP ES IP IP ES	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1 W n N ISLA P D D D 5 21. 6 W	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC 8 UTC 8 LTC 12:11 12:11 12:11 12:11 12:11	26.78 25.96 21.27 33.87 34.91 40.07 38.84 34.33 35.83 Magni Depth RMS: Qualit SECS 03.57 04.06 07.06 07.06 07.06 07.06 07.06 07.06 07.09 09.19 09.07 Magni Depth	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18	0.34 0.18 0.16 .7 ML .7 ML .9 .0.11 0.11 0.12 .1 ML
HPK HPK KWE CWF CWF CWF CUU CSF August Lat: Grid Loca STAT JVM JLP JLP JLP JSA JRS JRS JRS JRS JRS Grid Cugust Lat: Grid Cugust	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSEY DIST 19 22 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: smE -60 (, CHAN PPHAS IP IP ES IP IP ES IP IP ES	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 5.433 8.29 kr	1W nN ISLA D D D 5 21. 6W nN	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC NDS HrMn 12:11 12:11 12:11 12:11 12:11 12:11 12:11 12:11 12:11 12:11 12:11	26.78 25.96 21.27 33.87 34.91 40.07 38.84 34.33 35.83 Magni Depth RMS: Qualit SECS 03.57 04.06 07.06 07.06 07.06 07.06 07.06 07.06 07.09 09.19 09.07 Magni Depth	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs	0.34 0.18 0.16 .7 ML .7 ML .9 .0.11 0.11 0.12 .1 ML
HPK HPK KWE CWF CWF CWF CUU CSF August Lat: Grid Loca STAT JVM JLP JLA JRS JRS JRS JRS JRS JRS JRS STAT Lat: Grid Loca STAT KSB	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSEY DIST 19 22 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: cmE -60 (, CHAN PPHAS IP IP ES IP IP ES Time: Lon: cmE 81 BRIDGE PHAS IP	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1W nN ISLA D D D 521. 6W nN HLA	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC ANDS HrMn 12:11 12	26.78 25.96 21.27 23.87 34.91 40.07 38.84 34.33 35.83 Magnin Depth RMS: Qualit SECS 03.57 04.06 07.07 07.07 07.07 07.07 07.06 07.06 07.07 07.07 07.07 07.07 07.07 07.07 07.07 07.06 07.06 07.06 07.06 07.06 07.07 07.0	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C	0.34 0.18 0.16 .7 ML .7 ML .9 PERI 0.11 0.12 .1 ML
HPK HPK KWE CWF CWF CWF CUU CSF August Loca STAT JVM JLP JLP JSA JRS JRS JRS JRS JRS JRS JRS KSB KSB	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSEY DIST 19 22 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: cmE -60 (, CHAN PHAS IP IP ES IP IP ES Time: cmE 811 BRIDGE PHAS IP ES IP	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1W nN ISLA D D D 5 21. 6W nN HLLA P	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC 8 UTC 12:112	26.78 25.96 21.27 33.87 34.91 40.07 38.84 34.33 35.83 Magni Depth RMS: Qualit SECS 03.57 04.06 07.06 04.24 04.76 08.49 09.07 Magni Depth RMS: Qualit SECS 20.33 22.82 25.14	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C	0.34 0.18 0.16 .7 ML .7 ML .9 PERI 0.11 0.12 .1 ML
HPK HPK KWE CWF CWF CWF CWF CUU CSF August Lat: Grid Loca STAT JVM JLP JLP JLA JRS JRS JRS JRS JRS KSB KSB KSB KPL KPL	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSEY DIST 19 22 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: cmE -60 (, CHAN PHAS IP IP ES IP IP ES IP IP ES IP IP ES IP IP ES IP IP ES IP ES IP IP ES	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1W nN ISL/ D D D 5 21. 6W nN HL/ P D	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC ANDS HrMn 12:11 12	26.78 25.96 21.27 33.87 34.91 40.07 38.84 34.33 35.83 Magnin Depth RMS: Qualit SECS 03.57 04.06 07.06 04.24 04.76 08.49 09.19 09.07 Magnin Depth RMS: Qualit SECS Qualit SECS 22.33 22.82 25.14 27.62 27.92	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C AMPL 10	0.34 0.18 0.16 7 ML 9 PERI 0.11 0.12 1 ML 9 PERI 0.15
HPK HPK CWF CWF CWF CDU CSF August Lat: Grid Loca STAT JVM JLP JLP JLP JLP JLP JLS JRS JRS JRS JRS JRS JRS KSB KSB KSPL KPL	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSE2 DIST 19 22 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: cmE -60 (, CHAN PHAS IP IP ES IP IP ES Time: cmE 811 BRIDGE PHAS IP ES IP	2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	1W nN ISL/ D D D 5 21. 6W nN HL/ P D	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC 8 UTC 8 UTC 12:112	26.78 25.96 21.27 23.87 34.91 40.07 38.84 34.33 35.83 Magni Depth RMS: Qualit SECS 03.57 04.06 07.06 04.24 04.76 08.49 09.19 09.07 Magni Depth RMS: Qualit SECS 22.33 22.82 25.14 27.62	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C AMPL	0.34 0.18 0.16 .7 ML .7 ML .9 .11 0.11 0.12 .1 ML .3 .9 .11 .12 .1
HPK HPK KWE CWF CWF CWF CDU CSF August Loca STAT JVM JLP JSA JRS JRS JRS JRS JRS JRS JRS JRS KSB KSB KSB KSB KSB KSPL KPL KAC August Lat: Grid Cori COU CSF	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSE2 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP EP Time: Con: Con: Con: Con: Con: Con: Con: Con	2 2 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3	1W nN ISL ⁴ P D D D D C 5 21. 6W nN HL ⁴ P D C 7 31. 2W mN	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC 8 UTC 8 UTC 10:52	26.78 25.96 21.27 23.87 34.91 40.07 38.84 34.33 35.83 Magni Depth RMS: Qualit SECS 03.57 04.06 07.06 04.24 04.76 08.49 09.19 09.07 Magni Depth RMS: Qualit SECS 22.33 22.82 25.14 27.95 27.56 Magni Depth RMS:	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C AMPL 10 8 itude: 1 : 7.9 km 0.26 secs	0.34 0.18 0.16 7 ML 9 PERI 0.11 0.12 .1 ML 9 PERI 0.15 0.14 .2 ML
HPK HPK KWE CWF CWF CWF CDU CSF August Loca STAT JVM JLP JSA JRS JRS JRS JRS JRS JRS JRS JRS KSB KSB KSB KSB KSB KSPL KPL KAC August Lat: Grid Cori COU CSF	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	55 55 72 89 89 89 159 169 2000 59N 374.51 H JERSE2 23 26 26 26 26 26 26 26 26 26 26 26 26 26	EP EP EP Time: Lon: cmE -60 (, CHAN PHAS IP IP ES IP IP ES Time: Lon: ES IP ES IP ES EP ES IP ES	2 2 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3	1W nN ISL ⁴ P D D D D S 21. 6W nN HL ⁴ P C 7 31 7 31 7 31	10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 10:52 8 UTC 8 UTC 8 UTC 8 UTC 10:52	26.78 25.96 21.27 33.87 34.91 40.07 38.84 34.33 35.83 Magnin Depth RMS: Qualit SECS 03.57 04.06 07.06 04.24 04.76 08.49 09.19 09.07 Magnin Depth RMS: Qualit SECS 22.33 22.82 25.14 27.62 27.95 27.56 Magnin Depth	50 29 44 itude: 0 : 6.7 km 0.02 secs y: C AMPL 23 18 itude: 0 : 7.0 km 0.26 secs y: C AMPL 10 8 itude: 1 : 7.9 km 0.26 secs	0.34 0.18 0.16 7 ML 9 PERI 0.11 0.12 .1 ML 9 PERI 0.15 0.14 .2 ML

CWF	SZ	57	IP	1	С	06:57	41.28		
					C				
CWF	SN	57	ES	2		06:57	47.82		
CWF	SN	57				06:57	48.13	14	0.24
CWF	SE	57				06:57	48.10	7	0.16
SSP	SZ	71	EP	2		06:57	43.27		
SSP	SE	71	ES	3		06:57	51.34		
SSP	SN	71	20	~		06:57	52.61	7	0.12
								5	
SSP	SE	71				06:57	53.93	Э	0.23
HAE	SZ	72	EP	2		06:57	43.96		
KBI	SZ	80	EP	2		06:57	44.97		
SBD	SZ	82	EP	3		06:57	45.30		
MCH	SZ	92	EP	2		06:57	46.75		
MCH	SE	92	ES	3		06:57	57.69		
			LS	5				0	0.10
MCH	SN	92				06:57	59.10	8	0.18
MCH	SE	92				06:57	59.53	11	0.14
Augus	t 82	2000	Time	: 02:4	6 3.	5 UTC	Magni	tude: 2	2.7 ML
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LCP	SZ	10	IP		С	02:46	07.87		
LCP	SZ	10	ES	3		02:46	10.91		
XAL	SZ	58	EP	9		02:46	19.51		
XAL	SZ	58	ES	4		02:46	26.66		
LWH	SZ	59	EP	2		02:46	13.67		
HPK	SZ	80	EP	$\frac{2}{2}$		02:46	16.42		
HPK	SE	80	ES	3		02:46	26.37		
HPK	SN	80				02:46	28.88	367	0.22
HPK	SE	80				02:46	28.51	400	0.18
BTA	SZ	88	EP	4		02:46	23.49		
BTA	SN	88				02:46	35.28	482	0.22
BTA	SE	88				02:46	35.00	287	0.31
			ED	4				207	0.51
BBO	SZ	120	EP	4		02:46	28.35		
BBO	SN	120				02:46	44.75	80	0.21
BBO	SE	120				02:46	51.39	91	0.31
ESK	SZ	137	EP	9		02:46	29.05		
ESK	SE	137	ES	4		02:46	46.24		
ESK	SN	137		-		02:46	47.14	62	0.20
ESK	SE	137				02:46	48.25	89	0.15
LSK	5E	157				02.40	40.23	09	0.15
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Loca Con STAT	ality: H nments CO	BLACK : FELT DIST	FORD, BLACI PHAS	TAYS KFOR	SIDE D P	HrMn	Qualit Intensi SECS	y: B	PERI
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YEL MLA	SZ SZ	374 529	EP EP	$\frac{2}{2}$	14:28 14:28	15.39 34.48		
MCD	SZ	557	EP	2	14:28	38.12		
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STAT KBI CWF CWF CWF CWF SBD HLM SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	CO SZ SZ SN SN SE SZ SZ SZ SZ SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	DIST 25 64 64 64 65 97 100 119 119 119 119 119 135 148 148 148 148 148 148 148 2000 14N 199.07 1 ARRAN 2 DIST 28 55 66 68 68 68 68 68 68 71 2000 58N	PHAS IP EP EP EP EP EP EP EP EP Time: SOUTH PHAS IP EP EP EP EP EP EP EP EP EP EP EP EP ED Time: EP EP EP EP EP EP EP EP EP EP EP EP EP	WT 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	P HrMn C 18:38 18:	11.91 17.75 25.95 27.95 28.28 17.99 23.13 23.61 26.60 40.53 41.42 42.54 28.71 29.84 48.07 47.23 Magnin Depth: RMS: Qualit SECS 01.39 05.54 OT .83 15.63 19.09 18.39 07.64 Magnin Depth:	21 27 25 25 12 8 tude: 1. : 10.0 km 0.15 secs y: C AMPL 4 7 tude: 1. : 12.4 km	0.13 0.16 0.20 0.22 0.24 0.43 0 ML PERI 0.09 0.05 7 ML
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STAT KBI CWF CWF CWF CWF CWF SBD HLM SSP SSP SSP SSP SSP SSP SSP SSP SSP SS	CO SZ SZ SZ SN SN SZ SZ SZ SZ SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	DIST 25 64 64 64 64 65 97 100 119 119 119 119 119 135 148 148 148 148 148 148 2000 14N 2000 15T 28 55 66 68 68 68 68 68 68 68 68 71 2000 58N 244.84 1 55KM 1	PHAS IP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	WT 2 2 2 2 2 2 2 2 2 2 2 2 2	P HrMn C 18:38 18:	11.91 17.75 25.95 27.95 28.28 17.99 23.13 23.61 26.60 40.53 41.42 42.54 28.71 29.84 48.07 47.23 Magnin Depth: RMS: Qualit SECS 01.39 05.54 07.83 15.63 19.09 07.64 Magnin Depth: RMS: Qualit	21 27 25 25 12 8 tude: 1. : 10.0 km 0.15 secs y: C AMPL 4 7 tude: 1. : 12.4 km 0.02 secs y: B	0.13 0.16 0.20 0.22 0.24 0.43 0 ML PERI 0.09 0.05 7 ML
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WCB	SN	27	ES	2		18:14	57.30		
WCB WCB	SN SE	27 27				18:14 18:14	57.60 57.52	4	$0.08 \\ 0.18$
WME	SZ	33	EP	2		18:14	54.80		0.10
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WCB	SE	35	ES	2		07:15	25.79	7	0.12
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**1 !*1	52	77	11		C	07.15	25.05		
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Lat: Gric Loca: STAT GMK PGB PGB PGB PGB GAL GAL GAL GAL PCA BWH BHH	55.39 I Ref: ality: 4 CO SZ SZ SZ SZ SZ SE SN SE SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133	Lon: kmE 610 , STRA1 PHAS IP EP EP EP ES IP ES EP ES	5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 2 1 1 2	I4W mN JYDE C C	E HrMn 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36	 PERI 0.18 0.19 0.09 0.08 0.24
Lat: Gric Loca: STAT GMK PGB PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH SCPten CA	55.39 I Ref: ality: A SZ SZ SZ SZ SZ SZ SN SE SZ SZ SZ SZ SZ SZ SN SE SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 68 68 68 68 68 68 68 68 68 104 133 133 133 137 2000	Lon: kmE 61(, STRAT PHAS IP EP EP EP ES IP ES EP IP EP EP EP EP	5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 1 2 1 1 2 1 1 2 1 1:4	44W mN .YDH P C C C C 8 37.	E HrMn 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 43.01 43.01 43.01 43.01 43.01 43.41 43.58 32.99 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni	: 18.9 km 0.09 secs y: C AMPL 94 124 55 122 36 36 36	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 ML
Lat: Gric Loca: STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH BHH GMM Septen Lat: Gric	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133 133 133 137 2000 86N 840.38 I	Lon: kmE 610 , STRAT PHAS IP EP EP ES IP ES EP IP EP EP EP IP EP EP KmE 106	5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2	44W mN <i>Y</i> DH P C C C C C S 8 37. 80E kmN	E HrMn 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magnin Depth RMS:	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 : 15.0 kn 0.18 secs	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 3 ML
Lat: Gric Locc STAT GMK PGB PGB PGB GAL GAL GAL GAL GAL BHH BHH BHH BHH BHH BHH CMM Septen Lat: Gric Locc	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 71 104 133 133 133 133 133 137 2000 26N 840.38 I NORWI	Lon: kmE 610 , STRA1 PHAS IP EP EP EP EP EP EP EP EP Time: Lon: kmE 106 EGIAN (5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 2 1 2 1 2 2 1 1 2 2 1 1 2 2 1 1.2 2 1 1.2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	 Firmin 1 Firmin 1 Firmin 2 Fir	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 : 15.0 kn 0.18 secs y: D	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 ML 5
Lat: Gric Loca STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH GMM Septen Lat: Gric Loca STAT Char STAT	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133 133 133 137 2000 26N 840.38 I VORWI DIST DIST 235	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI WT 2 2 2 2 2 1 2 2 1 2 2 2 2 2 2 2 2 1 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 : 15.0 kn 0.18 secs	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 3 ML
Lat: Gric Loca STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH BHH CMM Septen Lat: Gric Loca STAT LRW LRW	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133 133 133 137 2000 56N 840.38 I NORWI DIST 375	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP IP EP EP EP EP EP Con: con:	5.24 5.13 k FHCI WT 2 2 2 2 2 2 2 1 2 2 1 2 2 1 2 2 1 1 2 2 11:4 5.75 6 COAS WT	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 10:49 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.37 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 : 15.0 kn 0.18 secs y: D AMPL	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 3 MIL pERI
Lat: Gric Loca: STAT GMK PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL BHH BHH BHH BHH BHH BHH CMM Septen Lat: Gric Loca: STAT LRW LRW	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 67 67 67 67 67	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI 2 2 2 2 2 2 1 2 1 2 1 2 2 2 2 2 2 2 1 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 43.01 43.01 43.04 40.68 43.41 43.58 32.99 38.27 42.89 38.27 42.89 38.27 42.89 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 12.84	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 : 15.0 kn 0.18 secs y: D	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 ML 5
Lat: Gric Loca STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH GMM Septen Lat: Gric Loca STAT LRW LRW LRW LRW SAN	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133 133 133 133 137 2000 26N 840.38 I NORWI DIST 2375 375 375 375	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI 2 2 2 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 1 2 2 1 1 2 2 1 1 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 01:50 11:50 11:50 11:50 11:50 11:50 11:50	Depth RMS: Qualit SECS 26.19 31.25 32.23 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: CQualit SECS 28.70 05.66 11.10 22.851	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18
Lat: Gric Loca: STAT GMK PMS GCL PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL BHH BHH BHH BHH BHH BHH BHH BHH CMM Septen Lat: GTC Loca: STAT LRW LRW LRW LRW LRW SAN YEL WAL	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 71 104 133 133 133 133 133 137 2000 56N 75 375 375 375 375 375 375 375 381 401	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k k FHCI 2 2 2 2 2 2 2 1 2 2 1 1 2 2 1 1:4 5.73 k X 5 77 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 11:50 11:50 11:50 11:49 11:49 11:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 32.74 40.68 43.41 43.58 32.99 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 12.84 28.51 29.80	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18
Lat: Gric Locc STAT GMK PGB PGB PGB GAL GAL GAL GAL GAL GAL BHH BHH BHH BHH BHH BHH CA BHH BHH CA Septen Lat: Gric Locc STAT LRW LRW LRW LRW LRW SAN YEL	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 68 68 68 68 68 68 68 68 71 104 133 133 133 133 133 137 2000 26N 840.38 I NORWI DIST 2000 36N 840.38 I DIST 375 375 375 375 375 375 375 375 375 375	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI 2 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 01:49 01:49 11:50 11:50 11:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 12.84 28.51 29.80 32.05 38.11 40.77	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18
Lat: Gric Locc STAT GMK PGB PGB GAL GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH BHH CA BHH BHH CA BHH BHH CA BHH BHH BHH CA BHH BHH CA BHH BHH CA CA CA CA CA CA CA CA CA CA CA CA CA	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 68 71 104 133 133 133 133 137 2000 26N 2000 2000	Lon: kmE 61(, STRAT) PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k k FHCI 2 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	F HrMn 07:49 01:49 01:50 11:50 11:50 11:49 11:49 11:49 11:49 11:49 11:49 11:49 11:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 12.84 28.51 29.80 32.08 38.11 40.75	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18
Lat: Gric Loca STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH BHH BHH BHH CMM Cric Loca STAT LRW LRW LRW LRW LRW LRW SAN YEL WAL SAN YEL WAL OST OWE OHO MLA ORE	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 67 67 67 67 67	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 01:150 11:50 11:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 38.27 42.89 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 22.84 28.51 29.80 32.08 38.11 40.77 42.85 44.91 46.86	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18
Lat: Gric Loce STAT GMK PGB PGB GAL GAL GAL GAL GAL GAL GAL GAL GAL GAL	55.39 1 Ref: ality: 4 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 1 ARRAN DIST 23 59 66 67 67 67 67 67 67 68 68 68 68 68 68 71 104 83 133 133 133 133 133 133 133 133 133	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI WT 2 2 2 2 2 2 2 1 2 1 2 1 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	 Firmin (0) <	Depth RMS: Qualiti SECS 26.19 31.25 32.35 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualiti SECS 28.70 05.66 11.10 12.84 29.80 32.08 38.11 077 42.75 44.91 46.86 38.34	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 36 36 36 36 36 36 36 36 31 22 31 22 32 32 32 33 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34 33 34 34	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 3 MIL 5 PERI 0.18 0.15
Lat: Gric Loca STAT GMK PMS GCL PGB PGB PGB PGB PGB GAL GAL GAL GAL GAL GAL GAL GAL BWH BHH BHH BHH BHH BHH BHH BHH CMM Cric Loca STAT LRW LRW LRW LRW LRW LRW SAN YEL WAL SAN YEL WAL OST OWE OHO MLA ORE	55.39 1 Ref: ality: 2 CO SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	26N 194.62 I ARRAN DIST 23 59 66 67 67 67 67 67 67 67 67 67 67 67 67	Lon: kmE 610 , STRAT PHAS IP EP EP EP EP EP EP EP EP EP E	5.24 5.13 k FHCI WT 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2	44W mN P C C C C S 8 37. 80E kmN	E HrMn 07:49 01:49 11:50 11:50 11:49	Depth RMS: Qualit SECS 26.19 31.25 32.23 40.46 40.91 43.01 32.74 40.68 43.41 43.58 32.99 38.27 42.89 38.27 42.89 38.27 42.89 38.27 42.89 59.73 58.64 42.50 Magni Depth RMS: Qualit SECS 28.70 05.66 11.10 22.84 28.51 29.80 32.08 38.11 40.77 42.85 44.91 46.86	: 18.9 kn 0.09 secs y: C AMPL 94 124 55 122 36 36 36 itude: 3 : 15.0 kn 0.18 secs y: D AMPL 13	 pERI 0.18 0.19 0.09 0.08 0.24 0.27 .3 MIL .3 MIL .3 MIL 0.18

MCD	SZ	534	EP	3		11:49	47.99		
MCD MCD MCD	SE SN SE	534 534 534	ES	2		11:50 11:50 11:50	39.98 42.66 42.79	15 18	0.20 0.47
Septen						3 UTC	Magni		.6 ML
Lat: Grid			Lon: mE 860		35W mN			: 5.2 km 0.22 secs	
			DON, HI NORTH				Qualit		
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
KAC KPL	SZ SZ	15 29	IP EP	2	С	00:26 00:26	15.33 17.88		
KPL	SE	29	ES	$\frac{2}{2}$		00:26	21.38		
KPL KPL	SN SE	29 29				00:26 00:26	$21.62 \\ 22.20$	8 9	0.09 0.13
RRR	SZ	36	EP	2		00:26	19.22	,	0.15
RRR RRR	SE SN	36 36	ES	2		00:26 00:26	23.39 24.09	11	0.08
RRR	SE	36			_	00:26	24.12	12	0.08
KSB MDO	SZ SZ	42 69	IP EP	2	D	00:26 00:26	19.73 23.77		
Septen	1 1 her 1 (2000	Time	06.5	2 55	2 UTC	Maani	tude: 0	4 MI
Lat:	52.96	5N	Lon:	4.4()7W	2010	Depth	: 21.9 kn	1
			mE 34. PENIN,			DD	Qualit	0.07 secs y: B	5
STAT	ČO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
YRE YRH	SZ SZ	2 21	IP IP	1	D C	06:52 06:53	$58.82 \\ 00.11$		
YLL	SZ	25	EP	2		06:53	00.57		
YRC WLF	SZ SZ	34 36	EP EP	$\frac{2}{2}$		06:53 06:53	01.79 01.95		
WFB	SZ	40	EP	2		06:53	02.63		
WCB WCB	SZ SN	47 47	EP ES	3 2		06:53 06:53	04.01 09.75		
WCB	SN	47				06:53	10.32	2 4	0.07
WCB	SE	47				06:53	10.19		0.10
	54.81 Ref:	.6N 298.32 k	Lon: mE 542	3.58 7.95 k	32W	3 UTC	Depth: RMS:	tude: 1 : 4.1 km 0.09 secs	
STAT	CO	DIST	Y FIRT PHAS	н WT	Р	HrMn	Qualit SECS	y: C AMPL	PERI
BNA BBO	SZ SZ	17 23	IP IP	1	D D	03:21 03:21	30.56 31.69		
BBO	SN	23	ES	2	D	03:21	34.78		
BBO BBO	SN SE	23 23				03:21 03:21	34.88 34.79	60 23	0.24 0.20
BHH	SZ	39	IP		С	03:21	34.20	25	0.20
BHH BHH	SE SN	39 39	ES	2		03:21 03:21	39.06 40.74	17	0.24
BHH	SE	39				03:21	40.85	19	0.29
BWH BDL	SZ SZ	40 41	IP EP	2	D	03:21 03:21	34.59 34.84		
BBH	SZ	55	EP	2		03:21	36.95		
ВТА ВТА	SZ SN	59 59	EP	2		03:21 03:21	37.76 45.64	13	0.25
BTA	SE	59				03:21	45.74	6	0.23
Septen Lat:			Time: Lon:		4 19. 35W	4 UTC		tude: 0 : 9.6 km	
Grid	Ref:	371.94 k	cmE 525	5.40 k	mΝ		RMS:	0.13 secs	
STAT	uity: ₽ CO	DIST	BY, CUN PHAS	WT		HrMn	Qualit SECS	AMPL	PERI
BTA BTA	SZ SN	35 35	EP ES	2 2		00:14 00:14	25.58 30.41		
BTA	SN	35 35	Eð	2		00:14	30.41	8	0.08
BTA BDL	SE SZ	35 38	IP		С	00:14 00:14	30.53 26.39	8	0.24
BBO	SZ	58 54	EP	2	C	00:14	28.87		
BBO BBO	SN SN	54 54	ES	2		00:14 00:14	35.40 36.68	5	0.22
BBO	SE	54				00:14	36.04	4	0.22
BBH BHH	SZ SZ	65 73	IP EP	2	С	00:14 00:14	30.57 32.40		
BHH	SN	73	ES	2		00:14	40.95		
BHH BHH	SN SE	73 73				00:14 00:14	41.82 42.69	7 7	0.23 0.22
Septen			Time:	01:4	2 25.	6 UTC		tude: -0	
Lat:	50.10		Lon:		80W	-	Depth	7.2 km	
Loca	ality: (CONST	ANTINH	E, CO	RNV		Qualit	y: A	
STAT CGW	CO SZ	DIST 3	PHAS IP	WT 1	P C	HrMn 01:42	SECS 26.94	AMPL	PERI
CCO	SZ	3	IP	1	D	01:42	27.01	-	
CCO CMA	SZ SZ	3 5	IP	1	D	01:42 01:42	28.28 27.09	6	0.06
CGH CBW	SZ SZ	7 7	IP IP	-	D C	01:42 01:42	27.26 27.25		
CDW	ംപ	/	ц		C	01.42	21.23		

CR2	SZ	7	IP		С	01:42	27.30		
CR2	SE	7	ES	2		01:42	28.56		
CR2	SE SZ	7 9	ID		D	01:42 01:42	28.61	11	0.04
CCA CST	SZ SZ	10	IP IP		D D	01:42	27.62 27.69		
CST	SZ	10			D	01:42	29.33	7	0.04
C	L 1 /	2000	T!	31.4	0.40	AUTC	M		7 MI
Septem Lat:	52.95		Lon:		9 40. 55W	0 UTC	Magni Denth	25.1 km	.7 ML
			mE 342					0.04 secs	
			PENIN,				Qualit		
STAT YRE	CO SZ	DIST 5	PHAS IP	WT	P D	HrMn	SECS	AMPL	PERI
YRH	SZ	22	IP IP		C	21:49 21:49	50.22 51.43		
YLL	SZ	24	IP		Ċ	21:49	51.60		
YRC	SZ	36	IP		D	21:49	53.06		
WLF	SZ	37	EP	1	С	21:49	53.25		
WFB WPM	SZ SZ	38 46	EP IP	2 1	С	21:49 21:49	53.31 54.50		
WCB	SZ	49	ĪP	ĩ	č	21:49	54.99		
WCB	SN	49	ES	2		21:50	00.80		
WCB WCB	SN SE	49 49				21:50	01.43 01.39	5 4	$0.11 \\ 0.10$
WCB	SE	49				21:50	01.59	4	0.10
Septem						7 UTC	Magni		.7 ML
	52.95		Lon: mE 342		52W			23.3 km 0.03 secs	
			PENIN,			DD	Qualit		•
STAT	čо	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
YRE	SZ	5	IP		D	03:57	28.53		
YRH YLL	SZ SZ	23 24	IP IP		C C	03:57 03:57	29.94 30.11		
YRC	SZ	36	IP		D	03:57	31.55		
WLF	SZ	37	IP		С	03:57	31.69		
WFB	SZ	38	EP	1	D	03:57	31.80		
WPM WCB	SZ SZ	45 48	IP IP	1	C C	03:57 03:57	32.99 33.51		
WCB	SN	48	ES	2	C	03:57	39.29		
WCB	SN	48				03:57	39.92	4	0.12
WCB	SE	48				03:57	39.89	5	0.11
WME	SZ	49	EP	2		03:57	33.36		
Septem	ber 18	3 2000	Time:	20:2	0 43.	0 UTC	Magni	tude: 1	.5 ML
	53.44		Lon:		2W			0.5 km	
			:mE 394 ELD, S \			IRE	Quality	0.07 secs	i
			M N OI				Quant	y. c	
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EDI EDI EAU PCO EDU EBL EDR Octobo Lat: Grid Loca Com STAT SAN SAN LRW	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 38 39 54 56 104 2000 99N 487.64 H EAST O : 46KM DIST 46 46 46 47	IP EP EP Time: Lon: cmE 111 F SHET SE OF PHAS IP ES EP	2 1 2 : 01:1 0.43 18.06 I ILAN SANI SANI 1 3 3	C D 3 54. 31W cmN D OWIC P	21:10 21:10 21:10 21:10 21:10 21:10 21:10 21:10 5 UTC CK HrMn 01:14 01:14	12.85 12.91 07.54 07.75 09.94 10.36 17.84 Magnin Depth: RMS: (Quality SECS 02.57 08.68 02.83	21 tude: 1 5.2 km 0.05 secs y: D	0.24 .0 ML
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EDI EDI EAU PCO EDU EBL EDR Octobe Lat: Grid Loce Com STAT SAN LRW LRW LRW	SN SE SZ SZ SZ SZ SZ SZ S9.93 I Ref: H dity: I L SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 38 39 54 56 104 2000 99N 487.64 I 2AST O 99N 487.64 I 2AST O DIST 46 46 47 47 47 47	IP EP EP Time: Lon: cmE 111 F SHET SE OF PHAS IP ES EP ES	2 1 2 : 01:1 0.43 8.06 I LAN SANI 3 3 2	C D 3 54. 31W cmN D OWIC P	21:10 21:10 21:10 21:10 21:10 21:10 21:10 21:10 5 UTC 5 UTC CK HrMn 01:14 01:14 01:14 01:14 01:14 01:14 01:14	12.85 12.91 07.54 07.75 09.94 10.36 17.84 Magnin Depth: RMS: Quality SECS 02.57 08.68 02.83 08.75 09.73 10.88	21 tude: 1 5.2 km 0.05 secs y: D AMPL 12	0.24 .0 ML 9 PERI 0.16
EDI EDI EAU PCO EDU EBL EDR Octobe Lat: Grid Loce Com STAT SAN LRW LRW LRW URW URW WAL WAL YEL Octobe Lat: Grid Cord Cord Cord Cord Cord Cord Cord Cor	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 38 39 54 56 104 2000 99N 2000 99N 487.64 I 2AST O 487.64 I 487.64 I 247 47 47 47 47 47 47 75 75 77 77 2000 33N 3317.50 I WELSH	IP EP EP Time: Lon: treet SE OF SHAS IP ES EP ES EP ES EP	2 1 2 3 3 2 2 3 2 3 3 2 3 2 3 2 3 3 2 3 2 3 3 2 3 2 3 2 3 3 2 3 2 3 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 2 3 3 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3	C D 3 54. 81W C D D WIC P C 7 9 21W MM YS	21:10 21:10 21:10 21:10 21:10 21:10 21:10 5 UTC 5 UTC CK HrMn 01:14 01:1	12.85 12.91 07.54 07.75 09.94 10.36 17.84 Magnin Depth: Quality SECS 02.57 08.68 02.83 08.75 09.73 10.88 07.09 16.36 07.45 Magnin Depth:	21 tude: 1 5.2 km 0.05 secs y: D AMPL 12 10 tude: 0 8.9 km 0.12 secs	0.24 .0 ML 9 PERI 0.16 0.20 .9 ML
EDI EDI EAU PCO EDU EBL EDR Octobe Lat: Grid Loce Com STAT SAN LRW LRW LRW URW URW WAL WAL YEL Octobe Lat: Grid Cord Cord Cord Cord Cord Cord Cord Cor	SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	37 37 38 39 54 56 104 2000 99N 2000 99N 487.64 I 2AST O 487.64 I 487.64 I 247 47 47 47 47 47 47 75 75 77 77 2000 33N 3317.50 I WELSH	IP EP EP Time: Lon: cmE 1111 F SHE111 SE OF PHAS IP ES EP ES EP ES EP ES EP Lon: cmE 311 POOL,	2 1 2 3 3 2 2 3 2 3 3 2 3 2 3 2 3 3 2 3 2 3 3 2 3 2 3 2 3 3 2 3 2 3 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 2 3 3 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3	C D 3 54. 81W C D D WIC P C 7 9 21W MM YS	21:10 21:10 21:10 21:10 21:10 21:10 21:10 5 UTC 5 UTC CK HrMn 01:14 01:1	12.85 12.91 07.54 07.75 09.94 10.36 17.84 Magnit Depth: RMS: Quality SECS 02.57 08.68 02.83 08.75 09.73 10.88 07.09 16.36 07.45 Magnit Depth: RMS:	21 tude: 1 5.2 km 0.05 secs y: D AMPL 12 10 tude: 0 8.9 km 0.12 secs	0.24 .0 ML 9 PERI 0.16 0.20 .9 ML

Grid	57.17 l Ref:	166.98 l	Time: Lon: kmE 81: F SKYE,	5.85 5.65 k	5W mN	9 UTC ND	Depth	itude: -0 : 4.3 km 0.08 secs v: D	
STAT	čo	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
KPL	SZ	22	IP	1	С	03:22	59.19		
KPL	SN	22	ES	2		03:23	01.91	_	
KPL	SN	22				03:23	02.02	5	0.11
KPL	SE	22	ID		C	03:23	02.00	5	0.11
KSB KSB	SZ SZ	27 27	IP ES	3	С	03:22 03:23	59.94 03.42		
KAR	SZ	28	IP	1	D	03:23	00.14		
in in	52	20	м		2	00.20	00.11		
Octobe		2000	Time:			8 UTC		tude: 0	.6 ML
Lat:			Lon:	5.37				: 6.5 km	
		175.06 I RISH S	kmE 345	5.04 K	min		Qualit	0.22 secs	
			SW OF	HOL	YHF	EAD	Quan	<i></i>	
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
YRH	SZ	52	EP	3		22:58	29.17		
YRC	SZ	63	EP	3		22:58	30.03		
YRE	SZ	64	EP	3		22:58	30.85		
WCB WCB	SZ SN	73 73	EP ES	3 3		22:58 22:58	32.24 41.13		
WCB	SN	73	LS	5		22:58	43.08	2	0.07
WCB	SE	73				22:58	42.58	$\frac{1}{2}$	0.29
WLF	SZ	76	EP	3		22:58	32.05		
YLL	SZ	84	EP	3		22:58	33.93		
DLF	SZ	86	EP	3		22:58	34.10		
WME	SZ	87	EP	3		22:58	34.05		
WFB DCN	SZ	95	EP	2 3		22:58	35.30		
DCN	SZ	134	ES	3		22:58	57.10		
Octobe			Time:	13:4	5 40.	8 UTC	Magni	tude: 0	8 ML
	53.33		Lon:	4.29				: 14.1 km	
			kmE 384			WNEDD		0.03 secs	
STAT	CO	DIST	PHAS	USE I	, Gw P	/YNEDD HrMn	Qualit SECS	AMPL	PERI
WME	SZ	7	IP	1	r C	13:45	43.42	AMIL	FERI
WLF	SZ	8	IP	1	č	13:45	43.59		
WCB	SZ	18	IP		С	13:45	44.59		
WCB	SN	18	ES	2		13:45	47.06		
WCB	SN	18				13:45	47.23	60	0.06
WCB	SE	18	ID	1	0	13:45	47.19	44	0.10
YRC YLL	SZ SZ	21 23	IP EP	1 1	C C	13:45 13:45	45.02 45.28		
WPM	SZ	23 27	EP	2	C	13:45	45.95		
YRE YRH	SZ SZ	40 60	EP EP	2 2		13:45 13:45	47.84 50.84		
YRE	SZ	40	EP	2		13:45	47.84		
YRE YRH WFB	SZ SZ SZ	40 60 74	EP EP EP	2 2 2	7 24	13:45 13:45 13:45	47.84 50.84 53.07	tudo: 3	0 MI
YRE YRH	SZ SZ SZ er 19	40 60 74 2000	EP EP EP	2 2 2		13:45 13:45	47.84 50.84 53.07 Magni	tude: 3	
YRE YRH WFB Octobe Lat: Grid	SZ SZ SZ er 19 57.41 I Ref:	40 60 74 2000 17N 932.23 1	EP EP EP Time: Lon: kmE 87	2 2 2 10:2 6.87	7E	13:45 13:45 13:45	47.84 50.84 53.07 Magni Depth		1
YRE YRH WFB Octobe Lat: Grid Loca	SZ SZ SZ 57.41 I Ref: ality: S	40 60 74 2000 17N 932.23 I SKAGE	EP EP Time: Lon: kmE 87 RRAK	2 2 2 10:2 6.87 1.14 k	7E mN	13:45 13:45 13:45 8 UTC	47.84 50.84 53.07 Magni Depth RMS: Qualit	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loca STAT	SZ SZ SZ 57.41 I Ref: ality: S CO	40 60 74 2000 17N 932.23 I SKAGE DIST	EP EP Time: Lon: kmE 87 RRAK PHAS	2 2 2 10:2' 6.87 1.14 k	7E	13:45 13:45 13:45 8 UTC HrMn	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS	: 15.0 km 0.35 secs	1
YRE YRH WFB Octobe Lat: Grid Loca STAT KMY	SZ SZ SZ 57.41 1 Ref: ality: S CO SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 221	EP EP Time: Lon: kmE 87 RRAK PHAS EP	2 2 2 10:2 6.87 1.14 k WT 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loca STAT KMY ODD1	SZ SZ SZ 57.41 1 Ref: allity: S CO SZ SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 221 278	EP EP EP Time: Lon: kmE 871 RRAK PHAS EP EP	2 2 2 10:2 6.87 1.14 k WT 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loca STAT KMY	SZ SZ SZ 57.41 1 Ref: ality: S CO SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 221	EP EP Time: Lon: kmE 87 RRAK PHAS EP	2 2 2 10:2' 6.87 1.14 k WT 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loca STAT KMY ODD1 EGD BER BER BER	SZ SZ SZ 57.41 57.41 Ref: 1 Ref: CO SZ SZ SZ SZ SZ SZ	40 60 74 20000 17N 932.23 I 5KAGE DIST 221 278 332 342 342	EP EP EP Time: Lon: kmE 87 RRAK PHAS EP EP EP EP EP EP ES	2 2 2 10:2' 6.87 1.14 k 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loca STAT KMY ODD1 EGD BER BER BER ASK	SZ SZ SZ 57.41 57.41 Ref: 1 Ref: CO SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 221 278 332 342 342 354	EP EP Time: Lon: kmE 871 RRAK PHAS EP EP EP EP EP ES EP	2 2 2 6.87 1.14 km 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loce STAT KMY ODD1 EGD BER BER BER ASK ASK	SZ SZ SZ SZ SZ S7.41 Ref: ality: S CO SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 20000 17N 932.23 1 SKAGE DIST 221 278 332 342 342 342 354	EP EP EP Time: Lon: kmE 87 RRAK PHAS EP EP EP EP EP ES EP ES EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK ASK SAN	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 17N 932.23 J 932.23 J 932.23 J DIST 221 278 332 342 342 342 342 354 553	EP EP EP Time: Lon: kmE 87 RRAK PHAS EP EP EP EP EP EP ES EP ES EP	2 2 2 6.87 1.14 k 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loce STAT KMY ODD1 EGD BER BER ASK ASK ASK SAN LRW	SZ SZ SZ 57.41 1 Ref: 200 SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 DIST 221 278 332 342 342 342 342 354 553 556	EP EP EP Time: Lon: kmE 871 RRAK PHAS EP EP EP ES EP ES EP ES EP ES EP ES EP	2 2 2 10:2' 6.87 1.14 k 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 37.27	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK ASK SAN	SZ SZ SZ SZ SZ S7,41 I Ref: O SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 1 5KAGE DIST 221 278 322 342 342 342 354 354 354 556 556	EP EP EP Time: Lon: kmE 87 RRAK PHAS EP EP EP EP EP EP ES EP ES EP	2 2 2 6.87 1.14 k 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09	: 15.0 km 0.35 secs y: D AMPL	PERI
YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK ASK ASK ASK ASK ASK LRW LRW LRW LRW	SZ SZ SZ 57.41 1 Ref: 200 SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 DIST 221 278 332 342 342 342 342 354 553 556	EP EP EP Time: Lon: kmE 871 RRAK PHAS EP EP EP ES EP ES EP ES EP ES EP ES EP	2 2 2 10:2' 6.87 1.14 k 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 12.48 47.95 37.09 37.27 28.89	: 15.0 km 0.35 secs y: D	1
YRE YRH WFB Octobe Lat: Grid Loce STAT KMY ODD1 EGD BER BER ASK ASK ASK ASK ASK ASK LRW LRW LRW LRW LRW YEL	SZ SZ SZ SZ SZ S7,41 I Ref: ality: S SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 I 5KA GE DIST 221 278 332 342 342 342 354 354 354 355 556 556 556 556 556	EP EP Time: Lon: kmE 87 RRAK PHAS EP EP EP ES EP ES EP ES EP ES EP ES	2 2 2 6.87 1.14 km WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 39.68	: 15.0 km 0.35 secs y: D AMPL	9ERI 0.18
YRE YRH WFB Octobe Lat: Grid Loce STAT KMY ODD1 EGD BER BER BER BER BER BER KASK SAN LRW LRW LRW LRW LRW LRW YEL OST	SZ SZ SZ SZ SZ S7.41 I Ref: Jility: S SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 932.23 I SKAGE DIST 221 278 332 342 342 354 354 354 354 354 556 556 556 556 556 556 556	EP EP EP Time: Lon: kmE 872 RRAK PHAS EP EP EP ES EP ES EP ES EP ES EP EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC HrMn 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 9.968 41.89	: 15.0 km 0.35 secs y: D AMPL	9ERI 0.18
YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK SAN LRW LRW LRW LRW LRW LRW LRW LRW LRW ST MCD	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 17N 932.23 I 5KAGE DIST 221 278 332 342 342 354 556 556 556 556 556 556 556 556 556	EP EP EP Time: Lon: kmE 87 PHAS EP EP EP ES EP ES EP ES EP ES EP ES EP EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 4 4 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 409.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 39.68 41.89 45.58	: 15.0 km 0.35 secs y: D AMPL	9ERI 0.18
YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK ASK ASK ASK ASK LRW LRW LRW LRW LRW YEL OST MCD	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 17N 932.23 I 5KA GE DIST 221 278 332 342 342 342 354 555 556 556 556 556 556 556 556 556 5	EP EP EP Time: Lon: kmE 872 RRAK PHAS EP EP EP ES EP ES EP ES EP ES EP EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 39.68 41.89 39.68 41.89 45.58	: 15.0 kn 0.35 secs y: D AMPL 19 17	0.18 0.21
YRE YRH WFB Octobe Lat: Griti Loce STAT KMY ODD1 EGD BER BER BER BER BER BER BER URW LRW LRW LRW LRW LRW LRW LRW LRW LRW L	SZ SZ SZ SZ SZ ST SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 278 332 342 342 342 354 354 354 354 354 556 556 556 556 556 556 556 556 556 5	EP EP EP Time: Lon: kmE 87 PHAS EP EP EP ES EP ES EP ES EP ES EP ES EP EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 4 4 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29	47.84 50.84 53.07 Magni Depth RMS: 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 31.23 31.89 31.23 31.89 34.89 45.58 42.74 46.88	: 15.0 km 0.35 secs y: D AMPL 19 17	0.18 0.21
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YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODD1 EGD BER BER ASK SAN LRW LRW LRW LRW LRW LRW LRW LRW LRW LRW	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 (7N 932.23 I SKA GE DIST 221 278 332 342 342 342 354 556 556 556 556 556 556 556 556 556 5	EP EP EP Time: Lon: kmE 87 PHAS EP EP EP ES EP ES EP ES EP ES EP ES EP EP ES	2 2 2 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:27 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 409.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 39.68 41.89 31.23 31.89 39.68 41.89 45.58 42.74 46.88 46.40	: 15.0 km 0.35 secs y: D AMPL 19 17	0.18 0.21
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YRE YRH WFB Octobe Lat: Grid Locc STAT KMY ODDI EGD BER BER BER BER BER ASK ASK SAN LRW LRW LRW LRW LRW LRW LRW LRW LRW DOST MCD MCD OBR OHO ORE ORE	SZ SZ SZ SZ SZ ST SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	40 60 74 2000 17N 932.23 I SKAGE DIST 221 278 332 342 342 354 354 354 354 354 354 556 556 556 556 556 556 556 556 556 608 608 608 608 608 609 617 642 642	EP EP EP Time: Lon: RRAK PHAS EP EP EP ES EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP EP EP EP EP	2 2 2 6.87 1.14 ki WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN	13:45 13:45 13:45 8 UTC 8 UTC 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:28 10:28 10:28 10:28 10:28 10:28 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 09.96 11.30 45.30 12.48 47.95 37.09 37.27 28.89 31.23 31.89 31.23 31.89 39.68 41.89 45.58 42.74 46.88 45.58 46.40 44.75 48.84 48.45	: 15.0 km 0.35 secs y: D AMPL 19 17 47 31	0.18 0.21 0.29 0.26
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YRE YRH WFB Octobe Lat: Gridi Locc STAT KMY ODD1 EGD BER BER BER BER BER ASK ASK SAN LRW LRW LRW LRW LRW LRW LRW LRW LRW LRW	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 17N 932.23 I SKAGE DIST 278 332 342 342 354 354 354 354 354 556 556 556 556 556 556 556 556 556 5	EP EP EP Lon: kmc 87 RRAK PHAS EP EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP EP EP EP EP EP EP EP EP EP EP EP	2 2 2 10:2' 6.87 1.14 kt WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN P 4 9.3 nN /AL	13:45 13:45 13:45 8 UTC 8 UTC 10 :28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 47.95 37.09 37.27 28.89 31.23 31.89 45.58 42.74 46.88 42.84 46.40 44.75 45.95 42.884 46.40 44.75 45.95 52.38 54.00 52.96 Magni Depth	: 15.0 km 0.35 secs y: D AMPL 19 17 47 31 72 60 itude: 0 : 7.5 km 0.08 secs	 PERI 0.18 0.21 0.29 0.26 0.25 0.46 9 MIL
YRE YRH WFB Octobe Lat: Grid Loce STAT KMY ODD1 EGD BER BER ASK SAN LRW LRW LRW LRW LRW LRW LRW LRW LRW LRW	SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ S	40 60 74 2000 17N 932.23 I SKAGE DIST 221 278 332 342 342 354 556 556 556 556 556 556 556 556 556 5	EP EP EP Lon: KmE 871 RRAK PHAS EP EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP ES EP EP EN EP EN EN EN EN EN EN EN EN EN EN EN EN EN	2 2 2 10:2' 6.87 1.14 k WT 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7E mN P 4 9.3 nN /AL	13:45 13:45 13:45 8 UTC 8 UTC 8 UTC 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:29 10:28 10:29 10:28 10	47.84 50.84 53.07 Magni Depth RMS: Qualit SECS 55.76 03.84 47.95 37.09 37.27 28.89 31.23 31.89 31.23 31.89 31.23 31.89 45.58 42.74 46.88 41.89 45.58 40.00 52.96 Magni Depth RMS: Qualit SECS	: 15.0 km 0.35 secs y: D AMPL 19 17 47 31 72 60 itude: 0 : 7.5 km 0.08 secs	 PERI 0.18 0.21 0.29 0.26 0.25 0.46 9 MIL
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CST CR2	SZ SZ	36 39	EP IP	2	С	06:04 06:04	15.98 16.52		
CR2	SE	39	ES	3	С	06:04	21.61		
CCA CCA	SZ SZ	39 39	IP		C	06:04 06:04	$16.46 \\ 25.00$	35	1.50
CBW	SZ	40	EP	2	a	06:04	16.60		
CCO CCO	SZ SZ	43 43	IP	1	С	06:04 06:04	17.19 22.85	17	0.05
CPZ	SZ	57	EP	1	С	06:04	19.30		
Novem	iber 3	2000	Time:	: 00:32	2 8.8	B UTC	Magni	tude: 1	.4 ML
	53.15		Lon: mE 36	3.03 2 85 kr				9.9 km 0.09 secs	
Loca	ality: N	MOLD,	CLWY	D			Qualit		,
Con STAT	iments CO	DIST	MOLD. PHAS	 WT	Р	HrMn	Intensi SECS	ity: 4+ AMPL	PERI
WPM	sz	59	EP	1	1	00:32	18.74	AMIL	I LIKI
WPM YLL	SZ SZ	59 76	ES EP	2 2		00:32 00:32	25.75 21.44		
WFB	SZ	86	EP	3		00:32	21.44 23.02		
WLF	SZ	92	EP	2		00:32	24.21		
YRE YRC	SZ SZ	95 104	EP EP	$\frac{2}{2}$		00:32 00:32	24.67 25.71		
YRC	SZ	104	ES	2		00:32	36.93		
WCB WCB	SZ SN	104 104	EP ES	3 2		00:32 00:32	26.20 37.31		
WCB	SN	104				00:32	40.61	29	1.24
WCB	SE	104				00:32	40.94	19	1.31
	iber 9					9 UTC		tude: 2	
	62.26 Ref:		Lon: mE 138	2.23 33.10 k	_			: 5.9 km 0.31 secs	
Loca	ality: N	NORTH	ERN NO	ORTH	SE/		Qualit	y: D	
STAT FOO	CO SZ	DIST 165	PHAS EP	WT 1	Р	HrMn 16:08	SECS 42.06	AMPL	PERI
FOO	SZ	165	ES	3		16:09	00.31		
SUE SUE	SZ SZ	189 189	EP ES	1 3		16:08 16:09	45.07 05.96		
HYA	SZ	242	EP	1		16:08	52.59		
HYA ASK	SZ SZ	242 254	ES EP	3 1		16:09 16:08	20.05 53.30		
ASK	SZ	254	ES	3		16:09	20.25		
YEL LRW	SZ SZ	261 300	EP EP	2 3		16:08 16:08	54.08 59.08		
LRW	SE	300	ES	3		16:09	30.14		
LRW	SN	300							
						16:09	33.14	20	0.10
LRW WAL	SE SZ	300 305	EP	2		16:09 16:09 16:08	33.14 32.90 59.61	20 31	0.10
LRW	SE	300	EP EP	2 3		16:09	32.90		
LRW WAL SAN Noven	SE SZ SZ 1 ber 2 2	300 305 313 2 2000	EP Time :	3 : 05:5 1		16:09 16:08	32.90 59.61 00.56 Magni	31 tude: 0	0.10 .5 ML
LRW WAL SAN Novem Lat:	SE SZ SZ 1ber 22 57.55	300 305 313 2 2000 52N	EP	3 : 05:51 5.53	8W	16:09 16:08 16:09	32.90 59.61 00.56 Magni Depth:	31	0.10 .5 ML
LRW WAL SAN Novem Lat: Grid Loca	SE SZ SZ 1ber 22 57.55 1 Ref: ality: 7	300 305 313 2 2000 52N 188.32 F	EP Time: Lon: cmE 85 OON, HI	3 : 05:51 5.53 6.83 ki IGHLA	8W mN AND	16:09 16:08 16:09 5 UTC	32.90 59.61 00.56 Magni Depth:	31 tude: 0 : 6.5 km 0.10 secs	0.10 .5 ML
LRW WAL SAN Novem Lat: Grid Loca	SE SZ SZ 57.55 1 Ref: ality: 7 ments CO	300 305 313 2 2000 52N 188.32 F	EP Time: Lon: cmE 85	3 : 05:51 5.53 6.83 ki IGHLA	8W mN AND RRI P	16:09 16:08 16:09 5 UTC	32.90 59.61 00.56 Magni Depth RMS:	31 tude: 0 : 6.5 km 0.10 secs	0.10 .5 ML
LRW WAL SAN Novem Lat: Grid Loca Com STAT KAC	SE SZ SZ 57.55 1 Ref: ality: 7 ments CO SZ	300 305 313 2 2000 52N 188.32 F FORRII : 5KM V DIST 16	EP Time: Lon: cmE 85 DON, HI WEST C PHAS IP	3 : 05:51 5.53 6.83 ki (GHLA OF TO) WT	8W mN AND RRI	16:09 16:08 16:09 5 UTC DON HrMn 05:51	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65	31 tude: 0 : 6.5 km 0.10 secs y: C	0.10 .5 ML
LRW WAL SAN Novem Lat: Grid Loca Com STAT KAC KAC KAC KPL	SE SZ SZ 57.55 1 Ref: ality: 7 ments CO	300 305 313 2 2000 52N 188.32 F FORRII : 5KM V DIST	EP Time: Lon: cmE 85 OON, HI WEST C PHAS	3 : 05:51 5.53 6.83 ki IGHLA DF TO	8W mN AND RRI P	16:09 16:08 16:09 5 UTC 5 UTC	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS	31 tude: 0 : 6.5 km 0.10 secs y: C	0.10 .5 ML
LRW WAL SAN Noven Lat: Grid Loca Con STAT KAC KAC KAC KPL KPL	SE SZ SZ 57.55 I Ref: ality: 7 ments CO SZ SZ SZ SN	300 305 313 2 2000 22N 188.32 H FORRII 16 16 16 25 25	EP Time: Lon: cmE 85 DON, HI WEST C PHAS IP ES	3 : 05:51 5.53 6.83 kr IGHLA DF TO WT 3	8W mN AND RRI P	16:09 16:08 16:09 5 UTC 5 UTC DON HrMn 05:51 05:51 05:51 05:51	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL	0.10 .5 ML 9 PERI
LRW WAL SAN Novem Lat: Grid Loca Com STAT KAC KAC KAC KPL	SE SZ SZ 57.55 I Ref: ality: 7 ments CO SZ SZ SZ	300 305 313 2 2000 52N 188.32 H FORRII : 5KM V DIST 16 16 25	EP Time: Lon: cmE 85 DON, HI WEST C PHAS IP ES EP	3 : 05:51 5.53 6.83 ki IGHL OF TO WT 3 2	8W mN AND RRI P	16:09 16:08 16:09 5 UTC 5 UTC HrMn 05:51 05:51 05:51 05:51 05:51	32.90 59.61 00.56 Magnii Depth: RMS: Qualit SECS 51.65 52.75 53.28	31 tude: 0 : 6.5 km 0.10 secs y: C	0.10 .5 ML
LRW WAL SAN Noven Lat: Grid Locc Con STAT KAC KAC KAC KPL KPL KPL KPL KPL RRR	SE SZ SZ Nber 2: 57.55 I Ref: ality: 1 ments CO SZ SZ SZ SN SN SN SE SZ	300 305 313 2 2000 52N 188.32 F FORRII 16 16 16 25 25 25 25 38	EP Time: Lon: cmE 85: DON, HU WEST C PHAS IP ES EP ES EP ES	3 5.53 6.83 kr IGHL OF TO WT 3 2 3 2	8W mN AND RRI P	16:09 16:08 16:09 5 UTC 5 UTC 000N HrMn 05:51 05:51 05:51 05:51 05:51 05:51	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.51 56.84 55.38	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8	0.10 .5 ML ; PERI 0.19
LRW WAL SAN Noven Lat: Gric Con STAT KAC KAC KAC KPL KPL KPL	SE SZ SZ 1ber 2 , 57.55 1 Ref: ality: 7 ments CO SZ SZ SZ SN SN SN SE	300 305 313 2 2000 52N 188.32 H FORRII 16 16 25 25 25 25 25	EP Time: Lon: cmE 85 DON, HI WEST C PHAS IP ES EP ES ES	3 5.53 6.83 kr IGHL OF TO WT 3 2 3	8W mN AND RRI P	16:09 16:08 16:09 5 UTC 5 UTC HrMn 05:51 05:51 05:51 05:51 05:51	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8	0.10 .5 ML ; PERI 0.19
LRW WAL SAN Noven Lat: Grid Locc Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR	SE SZ SZ 57.55 1 Ref: ality: T ments CO SZ SZ SZ SN SN SN SE SZ SN SN SE SZ SN SN SE	300 305 313 2 2000 22N 188.32 I TORRII 16 25 25 25 25 38 38 38 38 38	EP Time: Lon: cmE 85 DON, HI WEST C PHAS IP ES EP ES EP ES	3 5.53 6.83 kr IGHL OF TO WT 3 2 3 2	8W mN AND RRI P C	16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:52	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.61 56.84 55.38 59.94 00.44 01.87	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8 13	0.10 .5 ML 9 9 9 9 0.19 0.12
LRW WAL SAN Noven Lat: Grit Loc: Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR KSB	SE SZ SZ 57.55 I Ref: ality: T ments CO SZ SZ SN SN SN SN SZ SN SN SZ SN SN SZ SZ SN SN SZ SZ SN SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 22N 188.32 I FORRII 188.32 I DIST 16 16 25 25 25 25 25 38 38 38 38 38 39	EP Time: Lon: CME 85 DON, HI WEST C PHAS IP ES EP ES EP ES	3 : 05:51 5.53 6.83 kr (GHL4) FTO WT 3 2 3 2 3	8W mN AND P C	16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:52 05:52 05:52	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 56.52 56.61 56.84 9.94 00.44 01.87 55.44	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7	0.10 .5 ML .5 PERI 0.19 0.12 0.11 0.05
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ S7.55 I Ref: I ments CO SZ SZ SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ	300 305 313 2 2000 32N 188.32 I 188.32 I 188.32 I 188.32 I 188.32 I 188.32 I 188.32 I 188.32 I 188.32 I 25 25 25 25 38 38 38 38 38 39 0 2000	EP Time: Lon: cmE 850 OON, HI WEST C PHAS IP ES EP ES EP ES EP ES	3 05:51 5.53 6.83 kr IGHL DF TO WT 3 2 3 2 3 : 03:07	8W mN AND P C D 7 19.	16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:52	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1	0.10 .5 ML .5 PERI 0.19 0.12 0.11 0.05 .6 ML
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KAC KAC KPL KPL KPL KPL KPL KPL KPL KPL KPL KPL	SE SZ SZ 57.55 1 Ref: ality: 7 SZ SZ SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 22N 188.32 H CORRIL : 5KM V DIST 16 16 25 25 25 25 25 25 25 38 38 38 38 38 38 39 0 2000 0N 408.11 H	EP Time: Lon: CME 85: DON, HU WEST C PHAS IP ES EP ES EP ES IP Time: Lon: CME 47	3 5.53: 6.83 kr IGHLA JF TOI WT 3 2 3 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRII P C 7 19. 6W mN	16:09 16:08 16:09 5 UTC 5 UTC 00N HrMn 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:52 05:52 05:52 05:51 8 UTC	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS:	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 : 7.6 km 0.12 secs	0.10 .5 ML PERI 0.19 0.12 0.11 0.05 .6 ML
LRW WAL SAN Noven Lat: Gric Loc: Con STAT KAC KPL KPL KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ 57.55 1 Ref: 1 ality: 1 ments CO SZ SZ SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 52N 188.32 I FORRII 188.32 I FORRII 188.32 I FORRII 16 25 25 25 25 25 38 38 38 38 38 39 0 2000 0N 0 0 000 00 0 0 0 0 0 0 0 0 0 0 0	EP Time: Lon: cmE 850 OON, HI WEST C PHAS EP ES EP ES EP ES IP Time: Lon: cmE 477 EHAM,	3 5.53 6.83 kn (GHL/ OF TO) WT 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRII P C 7 19. 6W mN RKS	16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:51 05:52 05:52 05:52 05:52 05:51 8 UTC	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth:	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 : 7.6 km 0.12 secs	0.10 .5 ML PERI 0.19 0.12 0.11 0.05 .6 ML
LRW WAL SAN Noven Lat: Gric Loc: Con STAT KAC KPL KPL KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ 57.55 1 Ref: ality: 17 ments CO SZ SZ SZ SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 52N 188.32 I FORRII 188.32 I FORRII 188.32 I FORRII 16 25 25 25 25 25 38 38 38 38 38 39 0 2000 0N 0 0 000 00 0 0 0 0 0 0 0 0 0 0 0	EP Time: Lon: cmE 85: DON, HI WEST C PHAS IP ES EP ES EP ES IP Time: Lon: cmE 47: EHAM, SWOF PHAS	3 5.53 6.83 kn (GHL/ OF TO) WT 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRII P C 7 19. 6W mN RKS	16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:51 05:51 05:51 05:51 05:51 05:52 05:52 05:52 05:52 05:51 8 UTC 8 UTC	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS	31 tude: 0 : 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 : 7.6 km 0.12 secs	0.10 .5 ML PERI 0.19 0.12 0.11 0.05 .6 ML
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KPL KPL KPL KPL KPL KPL KPL KPL KPL KPL	SE SZ SZ 57.55 1 Ref: ality: 7 ments CO SZ SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SN SE SZ SZ SZ SZ	300 305 313 2 2000 52N 188,32 I FORRII 16 16 25 25 25 25 25 25 25 38 38 38 38 38 39 0 2000 ION 408,11 I MIDDLA : 10KM DIST 33	EP Time: Lon: CME 85: DON, HU WEST C PHAS EP ES EP ES EP ES IP Time: Lon: CME 47' EHAM, SW OF PHAS IP	3 3 5,533 6,83 kn GHL/ WT 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRI P C C 7 19. 6W mN RKS DLE	16:09 16:08 16:09 5 UTC 5 UTC 0 ON HrMn 05:51 05:5	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 : 7.6 km 0.12 secs y: C	0.10 .5 ML .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 20N 188.32 I 16 16 16 25 25 25 25 38 38 38 38 38 39 0 2000 0N 408.11 I 400.11 I 400.11 I 10KM DIST 33 33 33	EP Time: Lon: cmE 85: DON, HI WEST C PHAS IP ES EP ES EP ES IP Time: Lon: cmE 47: EHAM, SWOF PHAS	3 3 5,533 6,83 ki (GHL/ 0 F TOI WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRI P C T 19. 6W mN RKS DLE P	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 05:51 05:52 05:51 05	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 : 7.6 km 0.12 secs y: C	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ ST.55 I Ref: I ments CO SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SE SZ SZ SN SN SE SZ SZ SN SN SN S SZ SZ SN SN SN SN SN SN SN SN SN SN SN SN SN	300 305 313 2 2000 52N 188.32 I TORRII : 5KM V DIST 16 25 25 25 38 38 38 38 39 0 2000 0N 408.11 I MIDDLJ : 10KM DIST 33 33 33 33	EP Time: Lon: cmE 85: DON, HI WEST C PHAS EP ES EP ES EP ES IP Time: Lon: cmE 47: EHAM, SW OF PHAS IP ES	3 3 5,533 6,83 kr GHL/, 0F TO WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND RRI P C T 19. 6W mN RKS DLE P	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 05:51 05:52 05:51 05:52 05:51 05:52 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:51 05:51 05:52 05:51 05:51 05:51 05:52 05:51 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:51 05:52 05:51 05:51 05:52 05:51 05:51 05:52 05:52 05:51 05:73 05:73 05:73 05:73 05:73 05:73 05:75 05:73 05:75 05	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 7.6 km 0.12 secs y: C AMPL	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI
LRW WAL SAN Noven Lat: Grid Loce Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2000 32N 188.32 I FORRII 188.32 I FORRII 188.32 I FORRII 16 25 25 25 25 25 38 38 38 38 39 0 2000 0N 00 0N 00 0N 10 10 10 10 10 10 10 10 10 10 10 10 10	EP Time: Lon: cmE 85 OON, HU WEST C PHAS EP ES EP ES EP ES IP Time: Lon: cmE 47 EHAM, SWOF PHAS IP ES	3 3 5,533 6,83 kr (GHL/ OF TOJ WT 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 4 1 k N N N N N N N N N N N N N	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 05:51 05	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.21 30.71 32.27	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 5.6 km 0.12 secs y: C AMPL 115	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Grid Loce Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 32N 188.32 I CORRII : 5KM V DIST 16 16 16 25 25 25 25 25 38 38 38 38 39 0 2000 (0N 408.11 I MIDDL) : 10KM DIST 33 33 33 33 64 74 76	EP Time: Lon: cmE 85: DON, HI WEST C EP ES EP ES EP ES IP Time: Lon: cmE 47: EHAM, SW OF PHAS IP ES EP ES EP ES EP EIP ES EP EIP ES EP EIP ES IP ES EP EIP ES EP EIP EI EIP EI EIP EI EIP EI EI EI EI EI EI EI EI EI EI EI EI EI	3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	8W mN ANDI P C 7 19. 6 MN RKS DLEI P D	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 5 UTC 05:51 05:70 00	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.32 30.71 32.25	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 5.6 km 0.12 secs y: C AMPL 115	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Grid Loce Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2000 32N 188.32 I FORRII 188.32 I FORRII 188.32 I FORRII 16 25 25 25 25 25 38 38 38 38 39 0 2000 0N 00 0N 00 0N 10 10 10 10 10 10 10 10 10 10 10 10 10	EP Time: Lon: cmE 85 OON, HU WEST C PHAS EP ES EP ES EP ES IP Time: Lon: cmE 47 EHAM, SWOF PHAS IP ES	3 3 5,533 6,83 kr (GHL/ OF TOJ WT 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 4 1 k N N N N N N N N N N N N N	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 05:51 05	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.21 30.71 32.27	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 5.6 km 0.12 secs y: C AMPL 115	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Grid Locc Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 32N DIST 16 25 25 25 25 25 38 38 38 39 0 2000 0N 408.11 H MIDDLST 33 33 33 33 33 33 44 74 76 87 90 93	EP Time: Lon: cmE 85 OON, HU WEST C PHAS EP ES EP ES IP Time: Lon: cmE 47 EHAM, SWOF PHAS IP ES EP ES EP EP EP ES	3 3 5,533 6,83 kr IGHL/ 0F TOI WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 2 3 3 2 1,87 9,41 kr N YOI WT 2 3 2 1,87 1,97 1,	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 5 UTC 05:51 03:07 0	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.32 30.32 30.32 33.58 34.58	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 5.6 km 0.12 secs y: C AMPL 115	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Grit Loc: Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ 57.55 1 Ref: ality: T ments CO SZ SZ SZ SZ SN SN SE SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 52N 188.32 I FORRII 188.32 I FORRII 188.32 I FORRII 16 25 25 25 25 25 38 38 38 38 39 0 2000 00N 010N 010L1 51 33 33 33 33 33 33 33 34 47 4 76 87 90	EP Time: Lon: CME 85: OON, HU WEST C PHAS IP ES EP ES EP ES IP Time: CME 47: EHAM, SW OF PHAS IP ES EP ES EP EP ES EP EP ES	3 3 5,533 6,83 kr (GHL/) 0F TO) WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 2 3 2 3 2 3 2 3 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 5 UTC 05:51 03:07 05	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 30.06 30.20 30.32 30.71 32.27 33.58	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 5.6 km 0.12 secs y: C AMPL 115	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16
LRW WAL SAN Noven Lat: Gric Loc: Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ 57.55 1 Ref: ality: T ments CO SZ SZ SZ SZ SN SN SE SZ SN SN SE SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 22N 22N 22N 22N 22N 22N 22N	EP Time: Lon: cmE 85: OON, HU WEST C PHAS IP ES EP ES EP ES IP Time: CME 47: EHAM, SWOF PHAS IP ES EP EP ES EP ES EP ES EP ES EP ES ES EP ES ES EP ES ES EP ES ES EP ES ES ES ES ES ES ES ES ES ES ES ES ES	3 3 5,533 6,83 kr (GHL/) 0F TO) WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:07 05:51 05:07 03	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.20 30.21 32.27 33.58 35.24 46.24 49.33 49.08	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 7.6 km 0.12 secs y: C AMPL 115 105	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 5 9 PERI 0.16 0.17
LRW WAL SAN Noven Lat: Grit Con STAT KAC KPL KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SN SN SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 22N 188.32 I FORRII 16 16 25 25 25 25 25 25 25 25 38 38 38 38 39 0 2000 ION 408.11 H MIDDLA 133 33 33 33 34 74 76 87 90 93 93 93	EP Time: Lon: cmE 85 OON, HU WEST C PHAS EP ES EP ES IP Time: Lon: cmE 47 EHAM, SWOF PHAS IP ES EP ES EP EP EP ES	3 3 5,533 6,83 kr IGHL/ 0F TOI WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 2 3 3 2 1.87 9.41 kr N YOI WT 2 3 2 1.88 1.12 2 3 3 2 3 3 2 1.12 2 3 3 2 1.12 2 3 3 2 1.12 2 3 3 2 1.12 2 3 3 2 1.12 2 3 3 2 1.12 2 2 1.12 2 1.12 2 1.12 2 1.12 2 1.12 2 1.12 2 1.12 2 1.12 2 2 1.12 2 1.12 2 2 1.12 2 2 1.12 2 2 2 1.12 2 2 2 1.12 2 2 2 2 1.12 2 2 2 2 2 2 2 2 2 2 2 2 2	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 5 UTC 5 UTC 5 UTC 5 UTC 05:51 03:07 03	32.90 59.61 00.56 Magni Depth: RMS: 51.65 52.75 53.28 56.52 56.61 56.84 55.38 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: S9.94 00.44 01.87 55.44 Magni Depth: RMS: S2.59 30.06 30.20 30.71 32.27 32.05 33.58 34.58 35.24 46.24 49.33	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 10 7 tude: 1 10 7 tude: 1 10 115 105	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16 0.17 0.21
LRW WAL SAN Noven Lat: Grid Loc: Con STAT KAC KPL KPL KPL KPL RRR RRR RRR RRR RRR RRR RRR RRR RRR R	SE SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ SZ	300 305 313 2 2000 32N DIST 16 25 25 25 25 38 38 38 38 39 0 2000 0N 408.11 H MIDDL1 10KM DIST 33 33 33 33 33 33 33 44 74 76 87 90 93 93 93 93 93 93 93	EP Time: Lon: CME 85: OON, HU WEST C PHAS IP ES EP ES EP ES IP Time: CME 47: EHAM, SWOF PHAS IP ES EP EP ES EP ES EP ES ES EP ES ES EP ES ES EP ES ES ES ES EP ES ES ES ES ES ES ES ES ES ES ES ES ES	3 3 5,533 6,83 kr (GHL/) 0F TO) WT 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	8W mN AND P C D 7 19. 6W mN S D LE D C	16:09 16:08 16:09 16:08 16:09 5 UTC 5 UTC 05:51 05:70 03:07 03	32.90 59.61 00.56 Magni Depth: RMS: Qualit SECS 51.65 52.75 53.28 56.52 56.61 56.84 55.38 59.94 00.44 01.87 55.44 Magni Depth: RMS: Qualit SECS 25.59 30.06 30.20 30.32 30.71 32.27 32.05 33.58 34.58 35.24 46.24 49.33 49.08 55.19	31 tude: 0 6.5 km 0.10 secs y: C AMPL 8 13 10 7 tude: 1 7.6 km 0.12 secs y: C AMPL 115 105 11 13	0.10 5 ML 9 PERI 0.19 0.12 0.11 0.05 6 ML 9 PERI 0.16 0.17 0.21 0.29

BBO BBO BBO BBO	SZ SN SN SE	106 106 106 106	EP ES	2 2		03:07 03:07 03:07 03:07	37.41 49.32 50.18 50.06	19 21	0.29 0.17
		2000	Time	11.2	6 11	8 UTC			
Decem Lat:	59.87	'0N	Lon:	2.55	52W	aure		: 11.6 kn	
			mE 110 F SHE				RMS: Qualit	0.06 secs y: C	6
Com STAT	ments CO	: 65KM DIST	WEST PHAS	OF SI WT	HET. P	LAND HrMn	SECS	AMPL	PERI
WAL	SZ	68	IP	1	D	11:36	26.08		I LIG
SAN LRW	SZ SZ	75 82	EP EP	$\frac{2}{2}$		11:36 11:36	27.36 28.46		
LRW LRW	SN SN	82 82	ES	2		11:36	38.23 39.67	22	0.12
LRW	SE	82				11:36 11:36	39.61	26	$0.12 \\ 0.17$
OST YEL	SZ SZ	87 111	EP IP	2 1	С	11:36 11:36	29.12 32.68		
ORE	SZ	163	EP	2	č	11:36	40.25		
ORE ORE	SN SN	163 163	ES	3		11:36 11:36	58.61 58.98	16	0.33
ORE	SE	163				11:36	59.35	19	0.19
Decem						9 UTC		tude: 4	
Lat: Grid			Lon: mE 116	4.63 0.52 1				: 10.9 kn 0.54 secs	
			EGIAN (BERGE		ST		Qualit Intens		
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
EGD BER	SZ SZ	35 46	IP IP	1 1	C C	$00:48 \\ 00:48$	$11.48 \\ 13.17$		
ASK KMY	SZ SZ	47 112	IP IP	1 1	C C	00:48	13.75 23.46		
KMY	SZ	112	ES	3		$00:48 \\ 00:48$	36.41		
ODD1 HYA	SZ SZ	115 140	IP EP	1 1	D	00:48 00:48	25.50 27.12		
FOO	SZ	162	EP	1	~	00:48	30.49		
YEL LRW	SZ SZ	318 324	EP EP	$\frac{1}{2}$	С	$00:48 \\ 00:48$	50.45 50.89		
LRW LRW	SN SN	324 324	ES	3		00:49 00:49	24.00 35.46	110	0.16
LRW	SE	324				00:49	34.22	110	0.10
SAN WAL	SZ SZ	327 347	EP EP	$\frac{2}{2}$		$00:48 \\ 00:48$	51.15 54.31		
OST	SZ	423	EP	1	D	00:49	03.21		
OWE OHO	SZ SZ	442 471	EP EP	2 1	С	00:49 00:49	06.24 08.94		
OBR MLA	SZ SZ	476 502	EP EP	1 1	C C	00:49 00:49	09.27 12.34		
ORE	SZ	510	EP	2	C	00:49	13.42		
ORE ORE	SE SN	510 510	ES	3		00:50 00:50	03.17 04.82	277	0.25
ORE MCD	SE SZ	510 538	EP	1	С	00:50 00:49	03.55 16.83	306	0.27
MCD	SN	538	EF	3	C	00:50	08.46		
MCD MCD	SN SE	538 538				00:50 00:50	11.06 12.61	107 104	0.17 0.23
MME OTO	SZ	543 547	EP	3 2		00:49	17.47	101	0.25
	SZ		EP			00:49	17.71		
Decem Lat:		2000 4N	Time: Lon:	05:5		6 UTC		tude: 4 : 10.3 kn	
			mE 112 ERN NO			4	RMS: Qualit	0.39 secs v: D	5
Com	iments	: FELT	BRUCE	FIE	LD		Intens	ity: 3+	DEDI
STAT LRW	CO SZ	DIST 175	PHAS EP	WT 1	P C	HrMn 05:54	SECS 27.40	AMPL	PERI
LRW SAN	SE SZ	175 177	ES IP	2 1	С	05:54 05:54	46.46 27.71		
YEL	SZ	181	EP	1	Ĉ	05:54	29.10		
EGD ASK	SZ SZ	187 191	EP EP	$\frac{2}{2}$		05:54 05:54	29.01 29.77		
BER SUE	SZ SZ	195 199	EP EP	$\frac{1}{2}$		05:54 05:54	30.22 30.83		
WAL	SZ	201	IP		С	05:54	31.32		
КМҮ КМҮ	SZ SZ	204 204	EP ES	2 3		05:54 05:54	31.10 53.78		
OST	SZ	272	EP	2	C	05:54	40.18		
OWE OHO	SZ SZ	289 319	IP EP	2	С	05:54 05:54	42.54 45.48		
OBR MLA	SZ SZ	326 354	EP EP	2 3		05:54 05:54	46.01 48.89		
ORE	SZ	361	EP	2		05:54	50.13		
ORE KPL	SN SZ	361 528	ES EP	2 2		05:55 05:55	25.96 09.33		
KPL KPL	SN SE	528 528				05:56 05:56	35.70 43.24	360 410	1.26 1.17
EDI	SZ	541	EP	2		05:55	11.51		
EDI EDI	SN SE	541 541				05:56 05:56	07.40 06.73	341 448	0.34 0.34

Lat: Grid		6N 138.56 k	Time: Lon: mE 64: INNER	6.15 5.86 ki	5W mN	4 UTC	Depth:	tude: 2 9.1 km 0.05 secs v: D	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	48	IP		С	05:17	34.64		
GCL	SZ	62	EP	2	D	05:17	36.83		
PMS PGB	SZ SZ	92 107	IP EP	$\frac{1}{2}$	D	05:17 05:17	41.37 43.98		
PGB	SN	107	ES	2		05:17	56.01		
PGB	SN	107				05:17	58.45	36	0.19
PGB	SE	107	ED	2		05:17	57.99	43	0.18
PCA GAL	SZ SZ	$\frac{120}{126}$	EP EP	2 3		05:17 05:17	45.90 47.40		
GAL	SE	126	ES	3		05:18	01.72		
GAL	SN	126				05:18	03.91	14	0.18
GAL	SE	126				05:18	03.54	20	0.19
Decem	ber 15	5 2000	Time:	13:42	2 5.8	S UTC	Magni	tude: 0	.9 ML
	55.11		Lon:	3.60				7.4 km	
			mE 580 IES, D 8		mΝ		RMS: Quality	0.06 secs	8
STAT	CO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
BWH	SZ	8	IP		С	13:42	07.87		
BHH	SZ	25	IP	$\frac{1}{2}$	D	13:42	10.46		
BHH BHH	SE SN	25 25	ES	2		13:42 13:42	13.82 13.86	31	0.23
BHH	SE	25				13:42	15.05	40	0.22
BBH	SZ	43	EP	2		13:42	13.47		
BBO BDL	SZ SZ	48 55	EP EP	2 2		13:42 13:42	14.14 15.77		
BDL	52	55	Lr	2		15.42	15.77		
	ber 17					3 UTC		tude: 1	
	56.24 1 Ref∙		Lon: mE 701	3.75 7 69 ki				 5.4 km 0.08 secs 	
			FORD,				Quality		,
STAT	čo	DIST	PHAŚ	WT	Р	HrMn	SECS	AMPL	PERI
EBH PCO	SZ SZ	16	IP IP		C C	00:27	49.40		
EAU	SZ SZ	36 49	EP	2	C	00:27 00:27	52.85 55.05		
EDI	SZ	51	IP	-	D	00:27	55.18		
EDI	SN	51	ES	2		00:28	01.44	(2)	0.10
EDI EDI	SN SE	51 51				00:28 00:28	$01.54 \\ 01.75$	62 64	0.18 0.29
EDU	SZ	57	IP	1	С	00:28	56.07	04	0.29
PGB	SZ	67	IP		С	00:27	57.53		
						00.27	51.55		
PGB	SN	67				00:28	10.68	33	0.41
	SN SE SZ	67 67 69	EP	1	D			33 41	0.41 0.20
PGB PGB EBL	SE SZ	67 69				00:28 00:28 00:27	10.68 11.03 58.08	41	0.20
PGB PGB EBL Decem	SE SZ 1 ber 1 7	67 69 7 2000	Time:	03:0	6 36.	00:28 00:28	10.68 11.03 58.08 Magni	41 tude: 1	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid	SE SZ 1ber 17 56.24 1 Ref: 1	67 69 7 2000 9N 291.27 k	Time: Lon: mE 70	03:0 3.75 7.69 ki	6 36. 5W mN	00:28 00:28 00:27	10.68 11.03 58.08 Magni Depth:	41	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Loca	SE SZ Iber 17 56.24 I Ref: 1 ality: H	67 69 7 2000 9N 291.27 k BLACK	Time: Lon: mE 703 FORD, 7	03:0 3.75 7.69 ki TAYS	6 36. 5W mN IDE	00:28 00:28 00:27 3 UTC	10.68 11.03 58.08 Magni Depth: RMS: Qualit	41 tude: 1 5.5 km 0.10 secs y: C	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Loca STAT	SE SZ 10er 17 56.24 1 Ref: 1 ality: 1 CO	67 69 7 2000 19N 291.27 k BLACK DIST	Time: Lon: amE 702 FORD, 7 PHAS	03:0 3.75 7.69 ki	6 36. 5W mN IDE P	00:28 00:28 00:27 3 UTC HrMn	10.68 11.03 58.08 Magni Depth: RMS: Qualit ; SECS	41 tude: 1 5.5 km 0.10 secs	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Loca	SE SZ Iber 17 56.24 I Ref: 1 ality: H	67 69 7 2000 9N 291.27 k BLACK	Time: Lon: mE 703 FORD, 7	03:0 3.75 7.69 ki TAYS	6 36. 5W mN IDE	00:28 00:28 00:27 3 UTC	10.68 11.03 58.08 Magni Depth: RMS: Qualit	41 tude: 1 5.5 km 0.10 secs y: C	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Loca STAT EBH PCO EAU	SE SZ ber 17 56.24 I Ref: 1 ality: H CO SZ SZ SZ	67 69 7 2000 19N 291.27 k BLACKI DIST 15 36 49	Time: Lon: CmE 70 FORD, 7 PHAS IP EP EP EP	03:00 3.75 7.69 ki TAYS WT	6 36. 5W mN IDE P C	00:28 00:28 00:27 3 UTC HrMn 03:06 03:06 03:06	10.68 11.03 58.08 Magni Depth: RMS: Quality SECS 39.43 42.91 45.10	41 tude: 1 5.5 km 0.10 secs y: C	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Loca STAT EBH PCO EAU EDI	SE SZ ber 17 56.24 I Ref: 1 ality: H CO SZ SZ SZ SZ SZ	67 69 2000 19N 291.27 k BLACK DIST 15 36 49 51	Time: Lon: TME 707 FORD, 7 PHAS IP EP EP EP IP	03:00 3.75 7.69 ki TAYS WT 2 2	6 36. 5W mN IDE P	00:28 00:28 00:27 3 UTC HrMn 03:06 03:06 03:06 03:06	10.68 11.03 58.08 Magni Depth: RMS: Quality SECS 39.43 42.91 45.10 45.19	41 tude: 1 5.5 km 0.10 secs y: C	0.20 .3 ML
PGB PGB EBL Decemt Lat: Grid Loce STAT EBH PCO EAU EDI EDI	SE SZ ber 17 56.24 1 Ref: 1 ality: 1 CO SZ SZ SZ SZ SZ SZ SN	67 69 2000 19N 291.27 k 3LACK DIST 15 36 49 51 51	Time: Lon: CmE 70 FORD, 7 PHAS IP EP EP EP	03:00 3.75 7.69 ki TAYS WT 2	6 36. 5W mN IDE P C	00:28 00:28 00:27 3 UTC HrMn 03:06 03:06 03:06 03:06 03:06	10.68 11.03 58.08 Magnit Depth: RMS: Qualit SECS 39.43 42.91 45.10 45.19 51.46	41 tude: 1 5.5 km 0.10 sec: y: C AMPL	0.20 .3 ML 5 PERI
PGB PGB EBL Decem Lat: Grid Loca STAT EBH PCO EAU EDI	SE SZ ber 17 56.24 1 Ref: ality: H CO SZ SZ SZ SZ SZ SN SN SN SE	67 69 7 20000 19N 2291.27 k BLACKI DIST 15 36 49 51 51 51 51	Time: Lon: mE 70' FORD, ' PHAS IP EP EP EP IP ES	03:00 3.75 7.69 kit TAYS WT 2 2 2 2	6 36. 5W mN IDE P C	00:28 00:28 00:27 3 UTC HrMn 03:06 03:06 03:06 03:06	10.68 11.03 58.08 Magni Depth: RMS: Quality SECS 39.43 42.91 45.10 45.19	41 tude: 1 5.5 km 0.10 secs y: C	0.20 .3 ML
PGB PGB EBL Decem Lat: Grid Locc STAT EBH PCO EAU EDI EDI EDI EDI EDI EDI EDU	SE SZ 56.24 1 Ref: 1 ality: H CO SZ SZ SZ SZ SN SN SE SZ SZ	67 69 7 20000 19N 291.27 k BLACKI DIST 15 36 49 51 51 51 51 51 51 51	Time: Lon: mE 707 FORD, 7 PHAS IP EP EP IP ES ES	03:00 3.75 7.69 kn TAYS WT 2 2 2 2 2	6 36. 5W mN IDE P C	00:28 00:28 00:27 3 UTC HrMn 03:06 03:06 03:06 03:06 03:06 03:06 03:06 03:06 03:06	10.68 11.03 58.08 Magni Depth: RMS: Qualit; SECS 39.43 42.91 45.10 45.19 51.46 51.69 51.77 46.07	41 tude: 1 5.5 km 0.10 secs y: C AMPL 17	0.20 .3 ML 9 PERI 0.36
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EDI EDI	SN SE	51 51				14:45 14:45	12.46 12.68	32 28	0.20 0.26
EDU	SZ	57	EP	2		14:45	06.91	20	0.20
PGB PGB	SZ SN	66 66	EP	2		14:45 14:45	08.39 21.36	23	0.27
PGB	SE	66				14:45	21.89	28	0.19
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EDI	SZ	50	EP	2		05:51	34.76		
EDI EDI	SE SN	50 50	ES	3		05:51 05:51	$41.18 \\ 41.12$	3	0.16
EDI	SE	50				05:51	42.79	2	0.15
EDU	SZ	57	EP	2		05:51	35.92		
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December 29 2000 Time: 05:01 57.3 UTC Lat: 59.655N Lon: 1.708E Grid Ref: 608.88 kmE 1091.29 kmN Locality: NORTHERN NORTH SEA							Magnitude: 2.3 ML Depth: 17.1 km RMS: 0.14 secs Quality: D		
STAT	ĊO	DIST	PHAS	WT	Р	HrMn	SECS	AMPL	PERI
SAN	SZ	170	EP	2		05:02	22.98		
LRW	SZ	170	EP	2		05:02	23.38		
LRW	SN	170	ES	2		05:02	41.78		
LRW	SN	170				05:02	43.40	27	0.27
LRW	SE	170				05:02	43.47	30	0.20
YEL	SZ	185	EP	2		05:02	25.04		
WAL	SZ	197	EP	2		05:02	26.07		
KMY	SZ	207	EP	3		05:02	27.61		
EGD	SZ	208	EP	3		05:02	27.78		

TABLE 6

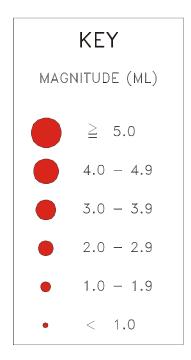
DEPTH/CRUSTAL VELOCITY MODELS

TABLE 6

Depth / crustal velocity models used in earthquake locations

Structural area	Depth to top of layer (km)	P-wave velocity (km/sec)	Vp/Vs
North Sea	0.00	6.20	1.73
	12.00	6.50 7.10	
	23.00	7.10	
	31.00	8.05	
Lownet and	0.00	4.00	1.73
general UK	2.52	5.90	
	7.55	6.45	
	18.87	7.00	
	34.15	8.00	
Borders	0.00	4.10	1.71
2010010	3.00	5.60	
	4.10	6.15	
	17.00	6.60	
	30.00	8.00	
North Wales	0.00	5.40	1.68
	2.00	6.05	1.08
(Lleyn)	13.00		
		6.50	
	25.00	6.80	
	34.00	8.00	
Mid Wales	0.00	5.40	1.72
	3.80	6.05	
	15.50	6.65	
	34.30	8.00	
Cornwall	0.00	5.50	1.77
	0.30	5.76	,
	15.00	6.90	
	30.00	8.00	
	20.00		

FIGURES 1 TO 5



KEY TO EPICENTRE MAPS, FIGURES 3 TO 5

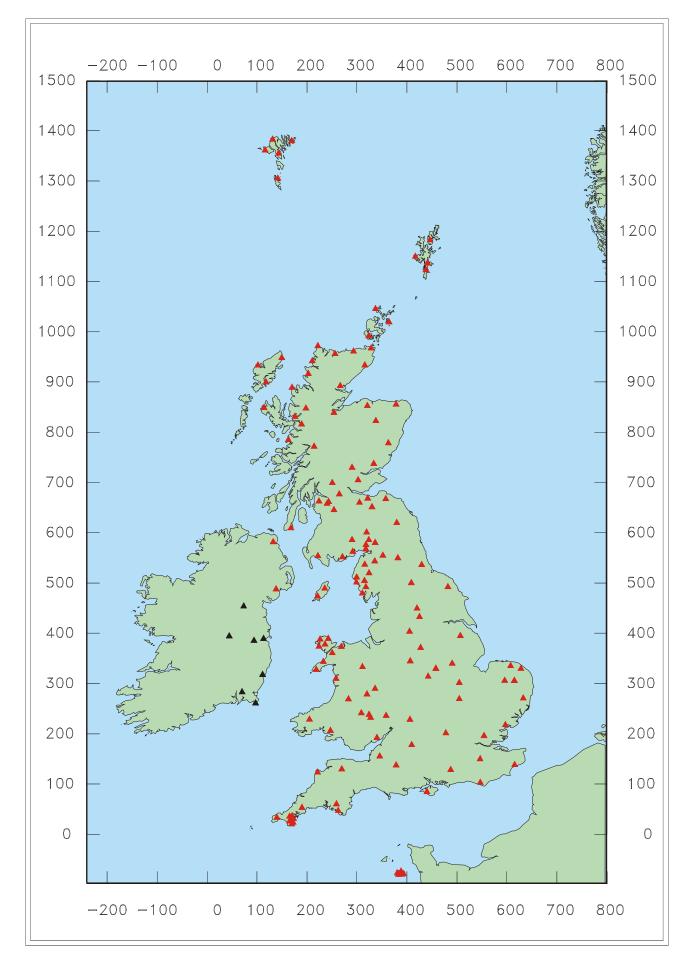


Figure 1. Seismograph network operational in December 2000. Colour coding shows the rapid access stations (red) and DIAS stations (black).

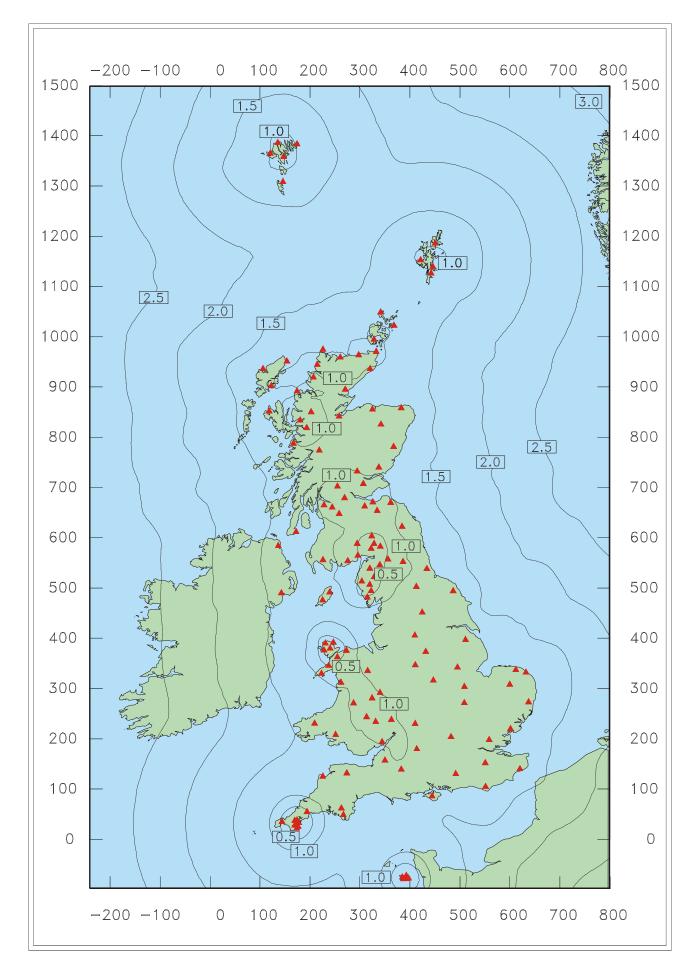


Figure 2. Earthquake detection capability in December 2000. Contour values are Richter local magnitude (ML) for 4 nanometres of noise (average) and S-wave amplitude twice that at the fourth nearest station.

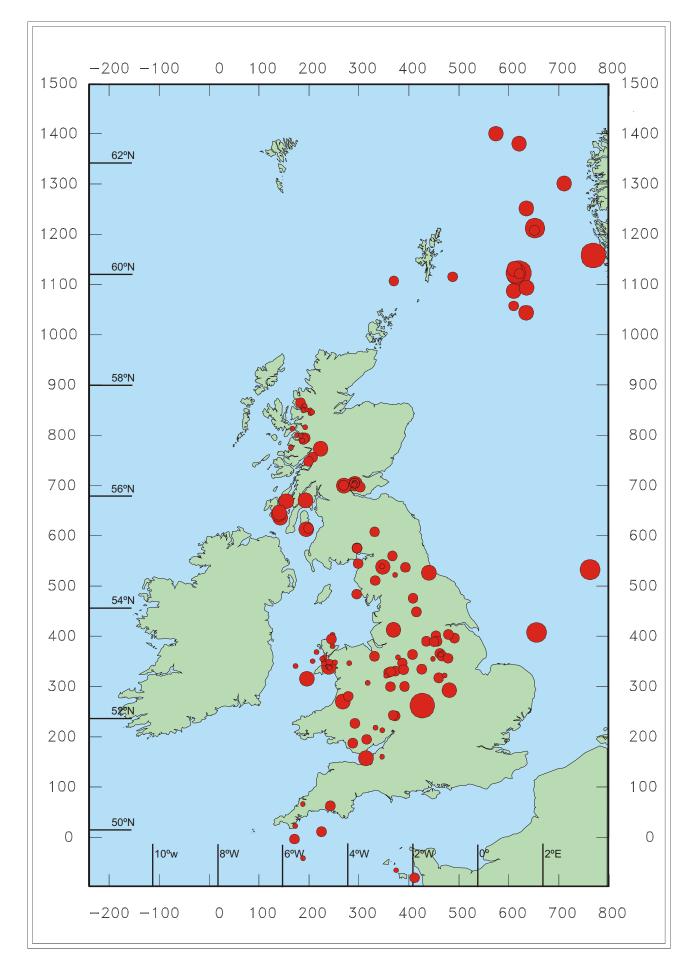


Figure 3. Epicentres of all UK earthquakes located in 2000. Key to Epicentre Map

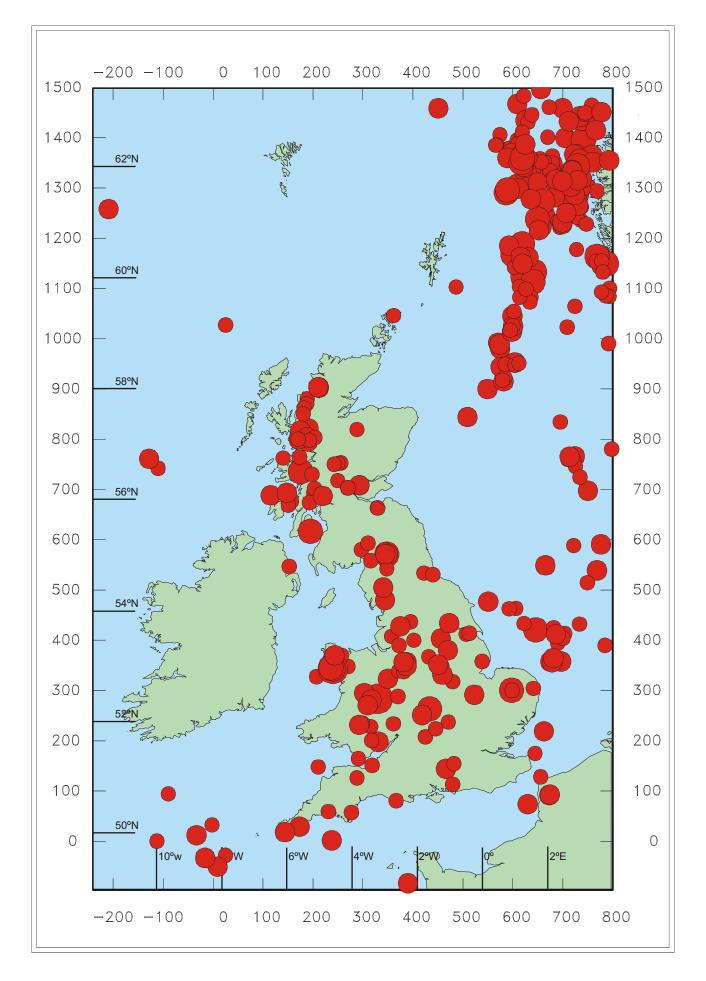


Figure 4. Epicentres of earthquakes with magnitudes 2.5 ML or greater, for the period 1979 to 2000. Key to Epicentre Map

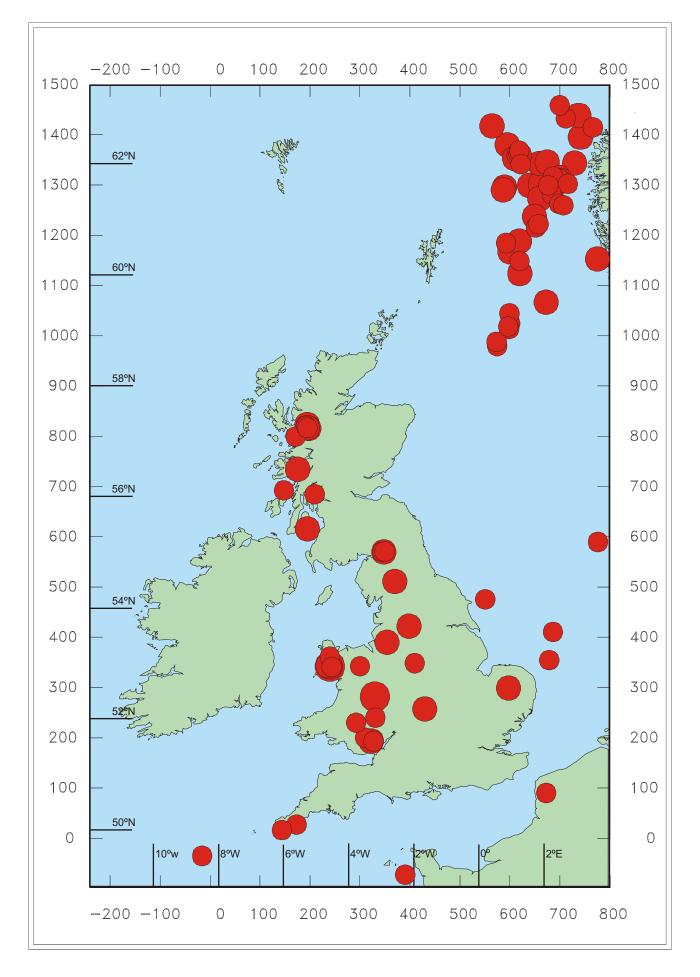


Figure 5. Epicentres of earthquakes with magnitudes 3.5 ML or greater, for the period 1970 to 2000.

Key to Epicentre Map

APPENDIX A

SIGNIFICANT EARTHQUAKES IN 2000

Appendix A1 Warwick Earthquake 23 September 2000

Appendix A2 Calthwaite Earthquake 24 April 2000

Appendix A3 Lleyn Peninsula Earthquake 22 June 2000

APPENDIX A1

WARWICK EARTHQUAKE, 23 SEPTEMBER 2000

PARAMETERS Date: 23 September 2000 **Origin Time:** 04:23 45.8 UTC 52.28° N 1.61° W Latitude and longitude: **Grid Reference:** 426.6 km E 264.8 km N **Depth:** 14.4 km 4.2 ML Magnitude: **Hypo Solution Quality:** C (B*C) **Epicentral Error (1 std. dev.):** 3.0 km Depth Error (1 std. dev.): 4.0 km

Discussion

The largest onshore earthquake, with a magnitude of 4.2 ML, occurred near Warwick on 23 September. It was felt up to 150 km away and over an area of 14,900km². A macroseismic survey conducted after the event yielded over 2,500 replies and the resulting map of felt effects is shown in Appendix A1. The highest observed intensity was 5 EMS at Warwick, where in a number of cases, objects such as ornaments, pictures or toys fell or were displaced. In a few cases, heavy objects were also said to have been displaced, including two washing machines, a cooker, a microwave and a sofa. The nearest 3-component strong motion instrument to record the earthquake was 76 km distant and accelerations of 17.3, 16.6 and 20.8 mms⁻² were recorded for the vertical, NS and EW components, respectively. The focal mechanism indicates almost pure normal faulting on a NW-SE oriented plane, dipping either to the NE or to the SW.

Seismograms recorded by the BGS networks around Borders and the strong motion instruments at Keyworth (KEY) are shown in Figure A1.1 and A1.2, the focal mechanism is shown in Figure A1.3 and an isoseismal map is shown in Figure A1.4.

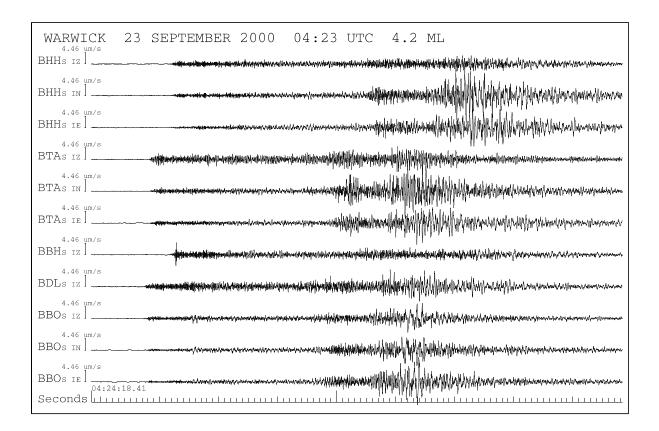


Figure A1.1. Seismograms of the Warwick earthquake of 23 September 2000 04:23 UTC 4.2 ML recorded on the Borders network.

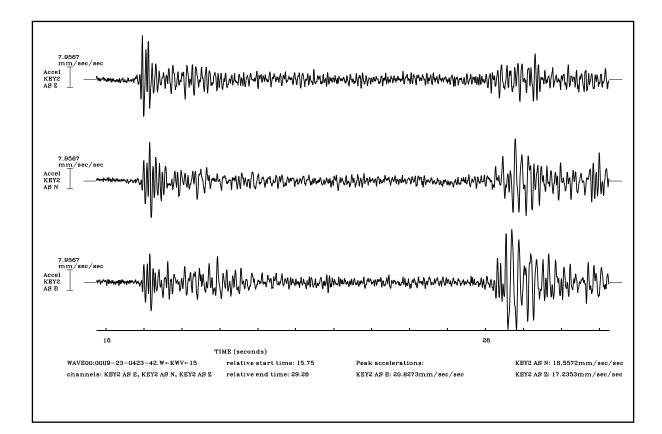
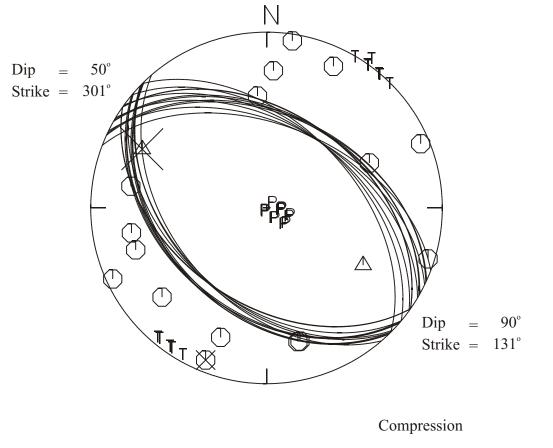


Figure A1.2. Seismograms of the Warwick earthquake of 23 September 2000 04:23 UTC 4.2 ML recorded on the strong motion instruments at Keyworth (KEY2).



Dilatation	\triangle

 \bigcirc

SV/P ratio \times

Emergent polarity	+
(compression)	•
Emergent polarity (dilatation)	_
Emergent arrival	e

Figure A1.3. Equal area projection of the lower focal hemisphere for the Warwick earthquake of 23 September 2000 04:23 UTC 4.2 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

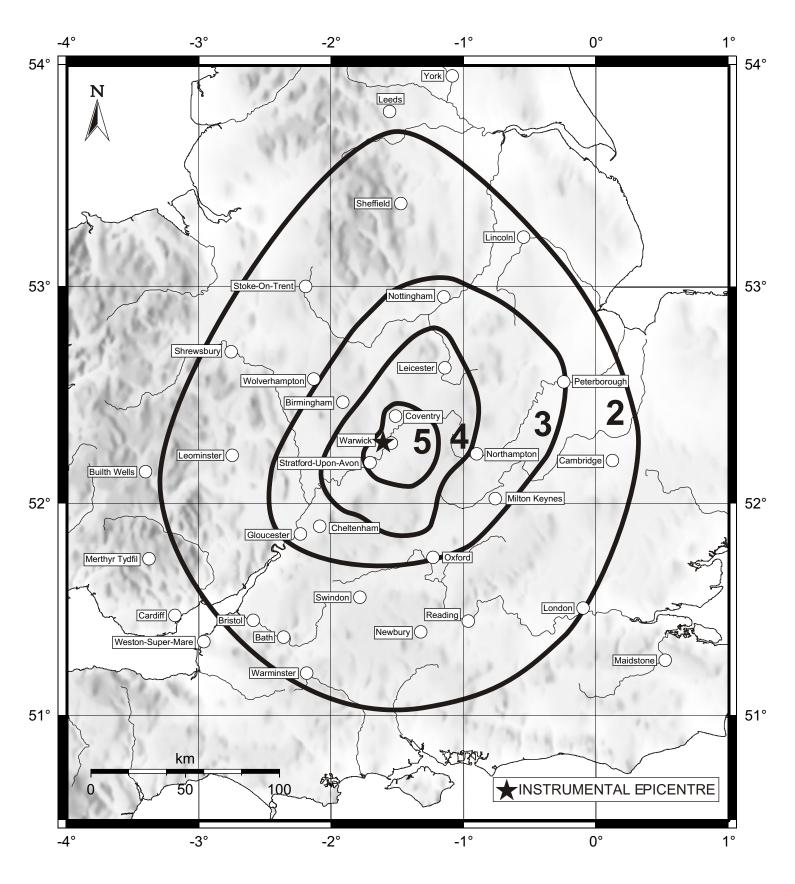


Figure A1.4. Warwick Earthquake 23 September 2000, 04:23 UTC (4.2 ML) - EMS Intensities

APPENDIX A2

CALTHWAITE EARTHQUAKE, 24 APRIL 2000

PARAMETERS

Date:	24 April 2000
Origin Time:	05:10 55.7 UTC
Latitude and longitude:	54.77° N 2.81° W
Grid Reference:	347.6 km E 541.5 km N
Depth:	13.8 km
Magnitude:	2.6 ML
Hypo Solution Quality:	B (A*B)
Epicentral Error (1 std. dev.):	0.8 km
Depth Error (1 std. dev.):	2.8 km

Discussion

Two events occurred near Calthwaite, Cumbria with magnitudes of 0.5 and 2.6 ML. The latter occurred on 24 April and felt reports described "the whole house shook" and "the windows rattled", indicating an intensity of at least 3 EMS. The nearest 3-com ponent strong motion instrument to record the earthquake was 38 km distant and accelerations of 1.3, 7.2 and 1.4 mms⁻² were recorded for the vertical, NS and EW components, respectively. A focal mechanism for the larger event was calculated and shows dominantly normal faulting with a minor component of strike-slip. The nodal planes strike NNW-SSE.

Seismograms recorded by the BGS networks around Cumbria and Leeds are shown in Figure A2.1 and the focal mechanism is shown in Figure A2.2.

CALTHWAITE	24 APRIL 2000 05:10 UTC 2.6 ML
BBOs z]	M/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W/W
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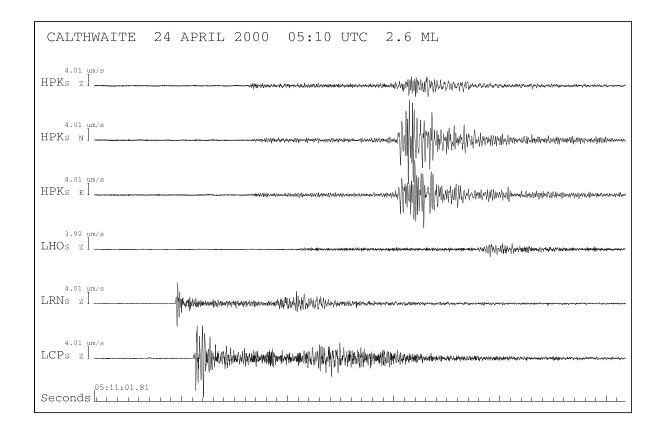


Figure A2.1. Seismograms of the Calthwaite earthquake 24 April 2000 05:10 UTC 2.6 ML recorded on the Cumbria and Leeds networks.

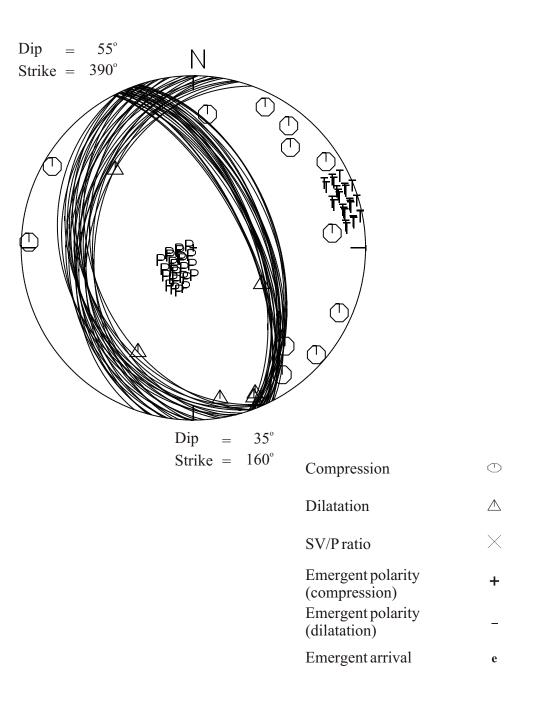


Figure A2.2. Equal area projection of the lower focal hemisphere for the Calthwaite earthquake of 24 April 2000 05:10 UTC 2.6 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

APPENDIX A3

LLEYN PENINSULA EARTHQUAKE, 22 JUNE 2000

PARAMETERS

Date:	22 June 2000
Origin Time:	14:37 13.4 UTC
Latitude and longitude:	52.96° N 4.39° W
Grid Reference:	239.5 km E 343.4 km N
Depth:	24.5 km
Magnitude:	2.7 ML
Hypo Solution Quality:	A (A*A)
Epicentral Error (1 std. dev.):	0.8 km
Depth Error (1 std. dev.):	4.1 km

Discussion

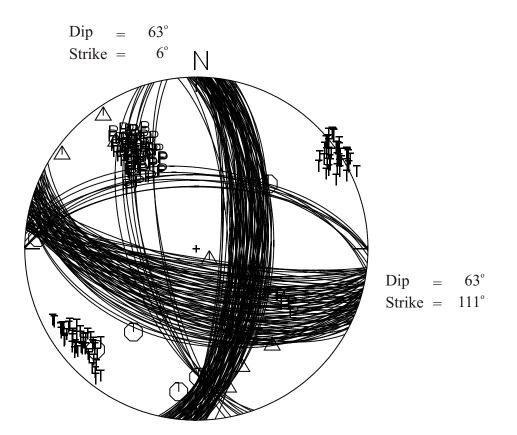
In North Wales, six events with magnitudes ranging between 0.0 to 2.7 ML, were located on the Lleyn Peninsula, in the same area and at similar depths (20 km) as the magnitude 5.4 ML Lleyn earthquake of 19 July 1984, which was felt throughout England and Wales and into Scotland and Ireland. The magnitude 2.7 ML event occurred on 22 June and felt reports were received via the media, the Police and residents of the Dinorwic, Maentwrog, Llanberis and Caernarfon areas of North Wales. These reports described "the whole house shook" and "felt a shudder", indicating an intensity of at least 4 EMS. This is the largest event in the Lleyn Peninsula area since the magnitude 2.7 ML earthquake on 15 April 1986, which was felt with intensities of 2 EMS in Pwllheli and Porthmadog. The calculated focal mechanism shows dominantly strike-slip faulting with a varying component of dip-slip. The nodal planes strike WNW-ESE and N-S. This is in reasonable agreement with the calculated focal mechanism for the 1984 earthquake. The P and T-axis orientation are consistent with the regional stress direction for the UK.

Seismograms recorded by the BGS networks around Hereford and North Wales are shown in Figure A3.1 and the focal mechanism is shown in Figure A3.2.

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LLEYN PENINSU	LA 22 JUNE 2000 14:37 UTC 2.7 ML
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Seconds	

Figure A3.1. Seismograms of the Lleyn earthquake 22 June 2000 14:37 UTC 2.7 ML recorded on the Hereford and North Wales networks.



Compression	\bigcirc
Dilatation	\wedge
SV/P ratio	\times
Emergent polarity (compression)	+
Emergent polarity (dilatation)	-
Emergent arrival	e

Figure A3.2. Equal area projection of the lower focal hemisphere for the Lleyn earthquake of 22 June 2000 14:37 UTC 2.7 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

APPENDIX B

EARTHQUAKE INFORMATION CHARGES

APPENDIX B

SUMMARY OF CHARGES FOR DATABASE ENQUIRIES	COST (£)
A search of the instrumental database producing a catalogue list, a map of the seismicity, a key to the abbreviations and a covering letter.	£150.00 + VAT
A search of the historical database producing a catalogue list, a map of the seismicity, a key to the abbreviations and a covering letter.	£150.00 + VAT
A combined search of both the historical and instrumental database providing the above for both the historical and instrumental seismicity.	£275.00 + VAT
An enquiry involving searching data tapes for specific events. $\pounds 80.00$ for first hour and $\pounds 40.00$ for each additional $\frac{1}{2}$ hour. Note: charges can be waived for the public, media and schools.	£80.00 + VAT
A search and interpretation of raw macroseismic data (felt reports) for a specific region for an individual earthquake.	£120.00 + VAT

For more information on the above and other services available please contact Mr Glenn D Ford, (g.ford@bgs.ac.uk) or Mr Bennett Simpson, (b.simpson@bgs.ac.uk) at the Global Seismology and Geomagnetism Group, Murchison House, West Mains Road, Edinburgh, EH9 3LA.

BULLETIN OF BRITISH EARTHQUAKES: PRICE LIST

Burton, P.W. and Neilson, G., 1980. Annual catalogues of British earthquakes recorded on LOWNET (1967-1978). Inst.Geol.Sci. Seismological Bulletin No.7.	£3 + pp
Turbitt, T., et al., 1984. Catalogue of British earthquakes recorded by the BGS seismograph network 1979, 1980, 1981. BGS Global Seismology Report No. 210.	£11 + pp
Turbitt, T., et al., 1985. Catalogue of British Earthquakes recorded by the BGS Seismograph Network 1982, 1983, 1984. BGS Global Seismology Report No. 260.	£15 + pp
Turbitt, T., et al., 1987. Bulletin of British Earthquakes 1985. BGS Global Seismology Report No. 303.	£10 + pp
Turbitt, T., et al., 1988. Bulletin of British Earthquakes 1986. BGS Global Seismology Report No. WL/88/11.	£10 + pp
Turbitt, T., et al., 1989. Bulletin of British Earthquakes 1987 . BGS Global Seismology Report No. WL/89/09.	£10 + pp
Turbitt, T., et al., 1990. Bulletin of British Earthquakes 1988. BGS Global Seismology Report No. WL/90/03	£10 + pp

APPENDIX C

EUROPEAN MACROSEISMIC SCALE (EMS 98)

APPENDIX C

1 - Not felt

Not felt, even under the most favourable circumstances.

2 - Scarcely felt

Vibration is felt only by individual people at rest in houses, especially on upper floors of buildings.

3 - Weak

The vibration is weak and is felt indoors by a few people. People at rest feel a swaying or light trembling.

4 - Largely observed

The earthquake is felt indoors by many people, outdoors by very few. A few people are awakened. The level of vibration is not frightening. Windows, doors and dishes rattle. Hanging objects swing.

5 - Strong

The earthquake is felt indoors by most, outdoors by few. Many sleeping people awake. A few run outdoors. Buildings tremble throughout. Hanging objects swing considerably. China and glasses clatter together. The vibration is strong. Top heavy objects topple over. Doors and windows swing open or shut.

6 - Slightly damaging

Felt by most indoors and by many outdoors. Many people in buildings are frightened and run outdoors. Small objects fall. Slight damage to many ordinary buildings eg; fine cracks in plaster and small pieces of plaster fall.

7 - Damaging

Most people are frightened and run outdoors. Furniture is shifted and objects fall from shelves in large numbers. Many ordinary buildings suffer moderate damage: small cracks in walls; partial collapse of chimneys.

8 - Heavily damaging

Furniture may be overturned. Many ordinary buildings suffer damage: chimneys fall; large cracks appear in walls and a few buildings may partially collapse.

9 - Destructive

Monuments and columns fall or are twisted. Many ordinary buildings partially collapse and a few collapse completely.

10 - Very destructive

Many ordinary buildings collapse.

11 - Devastating

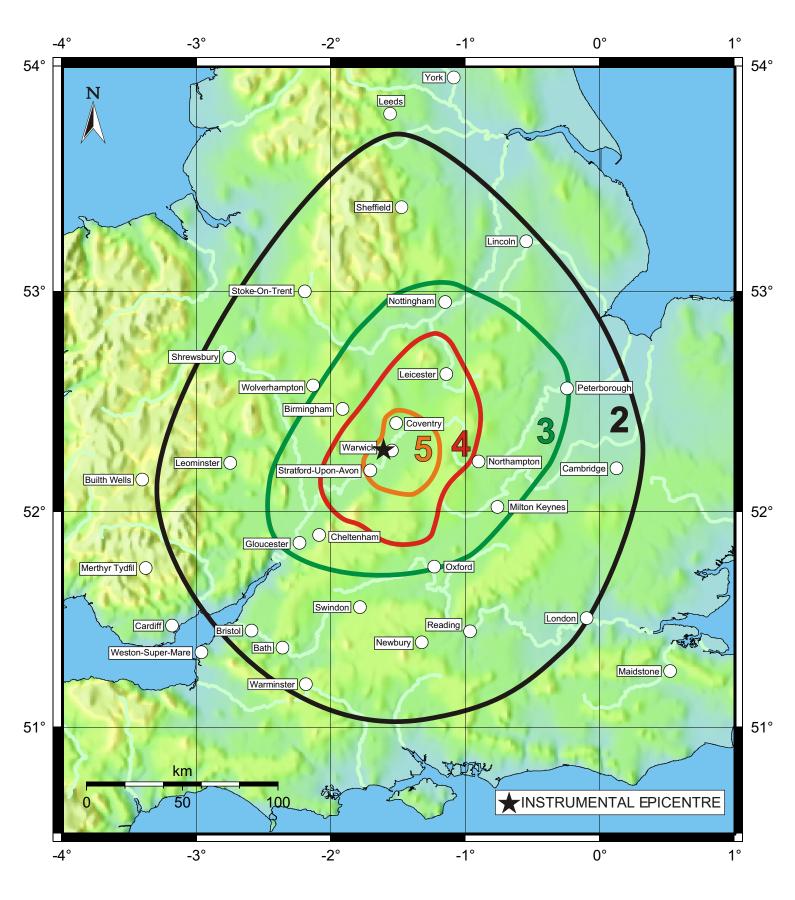
Most ordinary buildings collapse.

12 - Completely devastating

Practically all structures above and below ground are heavily damaged or destroyed.

A complete description of the EMS-98 scale is given in: Grunthal, G., (Ed) 1998. European Macroseismic scale 1998. Cahiers du Centre European de Geodynamique et de Seismologie. Vol 15.





Warwick Earthquake 23 September 2000, 04:23 UTC (4.2 ML) - EMS Intensities