A STUDY OF NEW ENGLAND SEISMICITY

Quarterly Earthquake Report

October-December, 2006

Weston Observatory

New England Seismic Network

381 Concord Road

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NEW ENGLAND SEISMIC NETWORK

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Notice

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Introduction

The New England Seismic Network (NESN) is operated by the Weston Observatory (WES) of Boston College. The mission of the NESN is to operate and maintain a regional seismic network with digital recording of seismic ground motions for the following purposes: 1) to determine the location and magnitude of earthquakes in and adjacent to New England and report felt events to public safety agencies, 2) to define the crust and upper mantle structure of the northeastern United States, 3) to derive the source parameters of New England earthquakes, and 4) to estimate the seismic hazard in the area.

This report summarizes the work of the NESN for the period October-December, 2006. It includes a brief summary of the network's equipment and operation, and a short discussion of data management procedures. A list of participating personnel is given in Table 1. There were 23 earthquakes that occurred within or near the network during this reporting period. Phase information for these earthquakes is included in this report.

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Current Network Operation and Status

The New England Seismic Network of Weston Observatory of Boston College currently consists of 12 broadband three-component and 8 analog strong-motion stations. The coordinates of the stations are given in Table 2, and maps of the weak- and strong-motion networks are shown in Figures 1 and 2, respectively. The 12 stations consist of Guralp CMG-40T three-component sensors. Ground motions recorded by these sensors are digitized at 100 sps with 16-bit resolution. Additional gain-ranging provides 126 dB dynamic range. These stations are operated in dialup mode with waveform segments of suspected events transmitted in digital mode to Weston Observatory for analysis and archiving. Weston Observatory also maintains 8 SMA-1 strong-motion instruments in New England.

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Seismicity

There were 23 earthquakes that occurred in or adjacent to the NESN during this reporting period. A summary of the location data is given in Table 3. Figure 3 shows the locations of these events. Figure 4 shows the locations of all events since the beginning of network operation in October, 1975.

Table 4 gives the station phase data and detailed hypocenter data for each event listed in Table 3. In addition to NESN data, arrival time and magnitude data sometimes are contributed for seismic stations operated by the Geological Survey of Canada (GSC), the Lamont-Doherty Cooperative Seismographic Network, and the US National Seismic Network. Final locations for this section were computed using the program HYPO78. For regional events (those too far from the NESN to obtain accurate locations and magnitudes) phase data are given for NESN stations, but the entry in Table 3 lists the hypocenter and geographic location information adopted from the authoritative network. Accordingly, the epicenter is plotted on the maps using the entry from Table 3.

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Data Management

Recent event locations are available at www.bc.edu/research/westonobservatory/northeast/recenteqs/. Waveform data are saved in Nanometrics, ASCII, and SEED formats and are available by contacting, Anastasia Macherides Moulis, via email. Earthquake lists can be found at www.bc.edu/research/westonobservatory/northeast/eqcatalogs/. Currently available on the Weston Observatory web page is the full catalog of northeastern U.S. earthquake activity to the present time. This will be updated as new Northeastern U.S. Seismic Network Quarterly Earthquake Reports are produced.

For more information on matters discussed in this report or general earthquake information (reports, maps, catalogs, etc.) consult our web site www.bc.edu/westonobservatory or contact:

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Explanation of Tables

Table 1: List of personnel operating the NESN

Table 2: List of Seismic and Strong Motion Stations

1. Code = station name
2. Lat = station latitude, degrees north
3. Long = station longitude, degrees west
4. Elev = station elevation in meters
5. Location = geographic location
6. Operator = network operator

Table 3: Earthquake Hypocenter List

1. Date = date event occurred, Yr (year)/Mo (month)/Dy (day)
2. Time = origin time of event, Hr (hour):Mn (minute):Sec (second)

   in UCT (Universal Coordinated Time, same as Greenwich Mean Time)
3. Lat = event location, latitude north in degrees
4. Long = event location, longitude west in degrees
5. Depth = event depth in kilometers
6. Mn = Nuttli Magnitude
7. Mc = Coda Magnitude
8. Int = event epicentral intensity
9. Location = event geographic location

Table 4: Earthquake detailed hypocenter and phase data list

1. Geographic location
2. DATE = date event occurred, yr/mo/dy (year/month/day)
3. ORIGIN = event origin time (UCT) in hours, minutes, and seconds
4. LAT N = latitude north in degrees and minutes
5. LONG W = longitude west in degrees and minutes
6. DEPTH = event depth in kilometers
7. MN = Nuttli Lg phase magnitude with amplitude divided by period
8. MC = signal duration (coda) magnitude

   WES: 2.23 Log(FMP) + 0.12Log(Dist) - 2.36 (Rosario, 1979)
   MIT: 2.21 Log(FMP) - 1.7 (Chaplin *et al.*, 1980)
9. ML = local magnitude

   WES: calculated from Wood-Anderson seismograms (Ebel, 1982)
   GSC (Geological Survey of Canada): Richter Lg magnitude
10. GAP = largest azimuthal separation, in degrees, between stations
11. RMS = root mean square error of travel time residual in seconds
12. ERH = standard error of epicenter in kilometers
13. ERZ = standard error of event depth in kilometers
14. Q = solution quality of hypocenter

    A = excellent

B = good
C = fair
D = poor

Table Body: earthquake phase data

1. STN = station name
2. DIST = epicentral distance in kilometers
3. AZM = azimuthal angle in degrees measured clockwise between true north and vector pointing from epicenter to station
4. Description of onset of phase arrival

   I = impulsive
   E = emergent

5. R = phase

   P = first P arrival
   S = first S arrival

6. M = first motion direction of phase arrival

   U = up or compression
   D = down or dilatation

7. K = weight of arrival

   0 = full weight (1.0)
   1 = 0.75 weight
   2 = 0.50 weight
   3 = 0.25 weight
   4 = no weight (0.0)

8. HRMN = hour and minute of phase arriva l
9. SEC = second of phase arrival
10. TCAL = calculated travel time of phase in seconds
11. RES = travel time residual (error) of phase arrival
12. WT = weight of phase used in hypocentral solution
13. AMX = peak-to-peak ground motion, in millimicrons, of the maximum envelope amplitude of vertical-component signal, corrected for system response
14. PRX = period in seconds of the signal from which amplitude was measured
15. XMAG = Nuttli magnitude recorded at station
16. FMP = signal duration (coda), in seconds, measured from first P arrival
17. FMAG = coda magnitude recorded at station

Table 5: Microearthquakes and other non-locatable events

1. Date = date event occurred, Yr (year)/Mo (month)/Dy (day)
2. Sta = nearest station recording event
3. Arrival Time = phase arrival time, Hr (hour):Mn (minute):Sec (second)

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TABLE 1

WESTON OBSERVATORY PERSONNEL

Name	Position	voice phone	email address
John E. Ebel	Observatory Director, Seismologist, Principal Investigator	617-552-8319	ebel@bc.edu
Alan Kafka	Research Seismologist	617-552-8300	kafka@bc.edu
Anastasia Macherides Moulis	Seismologist, Analyst	617-552-8325	macherid@bc.edu
Dina Smith	Associate Director of Operations, Seismologist	617-552-8335	dina.smith.1@bc.edu
Michael Hagerty	New England Seismic Network Manager, Seismologist	617-552-8337	hagertmb@bc.edu
Weston Observatory		617-552-8300 617-552-8388 (FAX)	

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TABLE 2

SEISMIC STATIONS OF THE NEW ENGLAND SEISMIC NETWORK

Code	Lat	Long	Elev (m)	Location	Operator
BCX *	42.3350	-71.1705	61.0	Chestnut Hill, MA	WES
BRYW	41.9199	-71.5342	107	Smithfield, RI	WES
FFD	43.4700	-71.6539	131	Franklin Falls Dam, NH	WES
HNH	43.7051	-72.2865	180	Hanover, NH	WES
QUA2	42.2790	-72.3521	168	Belchertown, MA	WES
TRY	42.7305	-73.6658	131	Troy, NY	WES
EMMW	44.7101	-67.4580	34	Machias, ME	WES
VT1	44.3317	-72.7536	125	Waterbury, VT	WES

WES	42.3848	-71.3218	60	Weston, MA	WES
WVL	44.5648	-69.6575	85	Waterville, ME	WES
YLE	41.3165	-72.9209	10	New Haven, CT	WES
PQI	46.6701	-68.0133	175	Presque Isle, ME	WES

* = not in operation during this quarter

STRONG MOTION STATIONS OF THE NEW ENGLAND SEISMIC NETWORK

Code	Lat	Long	Location	Operator
SM1	44.90	-67.25	Dennysville, ME	WES
SM2	44.49	-73.10	Essex Junction, VT	WES
SM3	41.45	-71.33	Newport, RI	WES
SM4	42.38	-71.32	Weston, MA	WES
SM5	42.66	-71.30	Lowell, MA	WES
SM6	42.30	-71.34	Natick, MA	WES
SM7	42.39	-71.54	Hudson, MA	WES
SM8	44.48	-69.61	North Vassalboro, ME	WES

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TABLE 3

NEW ENGLAND AND ADJACENT REGIONS

October-December, 2006

Date M/D/Y	Time (UTC) Hr:Mn:Sec	Lat	Long	Depth (km)	Mn	Mc	Int	Location
10/03/2006	00:07:38.20	44.35	-68.15	10.83	4.2	4.0		ME, 6.5KM SE of Bar Harbor
10/08/2006	07:16:56.69	43.86	-73.31	02.27		1.4*		VT, 19KM SW of Middlebury
10/09/2006	12:04:48.42	47.03	-66.57	10.14	2.3			NB, 62KM ENE of Plaster Rock
10/10/2006	06:20:29.18	43.87	-73.32	04.38	2.3			VT, 19KM SW of Middlebury
10/10/2006	13:05:47.77	44.39	-68.18		1.5			ME, Near Bar Harbor, unreliable location and depth
10/15/2006	04:25:38.22	44.36	-68.17	05.00	0.7			ME, 4.8KM of Bar Harbor
10/17/2006	05:39:03.30	44.39	-68.19	05.97	1.1			ME, 1.6KM E of Bar Harbor
10/22/2006	18:34:31.52	44.40	-68.17	07.97	1.5			ME, 3.2KM NE of Bar Harbor
10/22/2006	19:00:52.48	44.40	-68.19	08.96	0.9			ME, 1.6KM ENE of Bar Harbor
10/22/2006	21:36:25.30	44.38	-69.18	09.89	2.3	2.5		ME, 2.4KM E of Bar Harbor
10/22/2006	22:49:40.19	44.40	-68.18	09.77	1.0			ME, 2.4KM NE of Bar Harbor
10/26/2006	13:03:03.61	43.50	-71.63	07.15	1.8	2.0		NH, 5.8KM NNE of Franklin
10/31/2006	02:41:41.04	47.62	-70.19	15.37	3.0^			PQ, 4.3KM SW OF La Malbaie
11/03/2006	01:10:34.28	44.33	-68.15	01.50	1.0			ME, 8KM SE of Bar Harbor
11/03/2006	01:34:36.01	44.48	-68.13	05.00	0.9			ME, 12KM NE of Bar Harbor
11/04/2006	04:22:42.38	44.45	-68.13	08.48	1.3			ME, 8KM NE of Bar Harbor
11/04/2006	04:50:04.42	44.43	-68.15	09.33	1.2			ME, 6.4KM NE of Bar Harbor
11/27/2006	21:12:20.47	47.02	-66.52	09.29	2.6			NB, 64KM ENE of Plaster Rock
12/07/2006	04:44:59.81	49.51	-81.56	18.94	4.2^			ON, 60KM NW of Cochrane
12/13/2006	19:07:53.32	40.29	-76.06	09.83	2.6			PA, 12KM WSW of Reading
12/15/2006	04.21:14.09	44.53	-70.40	05.00	1.6			ME, 12KM ESE of Rumford
12/18/2006	19:53:23.54	44.36	-68.16	05.00	2.4	2.6		ME, 4KM SE of Bar Harbor
12/29/2006	21:21:10.78	44.35	-68.17	08.45	3.1	3.1		ME, 4.4KM SE of Bar Harbor

* indicates magnitude as calculated by Lamont Doherty Earth Observatory
^ indicates magnitude as calculated by Earthquakes Canada (Natural Resources Canada)

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TABLE 4

EARTHQUAKE PHASE DATA LIST
NEW ENGLAND AND ADJACENT REGIONS
October-December, 2006

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D6A03A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT03 ME, OFFSHORE, 6.5KM (4MI) SE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC   ML GAP    RMS   ERH   ERZ Q
  61003   0 7 38.20 44-20.72   68- 8.72   10.83   4.2 4.0      141    .44   1.2   1.3 C
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW   68.1  53 IPD0  0 7 49.44   11.24   11.15    .08 3.03                391   3.7
                S 0   0 7 57.63   19.43   19.85   -.43 3.00
  WVL 122.9 280 IPD0  0 7 58.49   20.29   19.84    .44 2.63                429   3.8
                S 2   0 7 72.04   33.84   35.32 -1.49   .40
  GGN 135.5   51 EPD0  0 8   .22   22.02   21.83    .18 2.61
                S 0   0 8 16.77   38.57   38.86   -.31 2.61
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```
   PQI 258.6    2 EP 3  0 8 17.17   38.97   37.80   1.14  .311412 .29  3.9
                  S 0  0 8 45.68   67.48   67.29    .14 1.83
   FFD 298.2 251 EP 0  0 8 21.53   43.33   42.69    .62 1.50              451  3.9
                  S 0  0 8 54.29   76.09   75.99    .07 1.58
  LBNH 301.9 268 EPD0  0 8 21.60   43.40   43.15    .19 1.56
                  S 0  0 8 54.47   76.27   76.81   -.64 1.49
   WES 337.1 230 EP 0  0 8 25.85   47.65   47.50    .15 1.341266 .34  4.0 504  4.1
                  S 0  0 8 62.20   84.00   84.54   -.56 1.30
   HNH 339.7 258 EP 0  0 8 26.24   48.04   47.81    .20 1.323566 .50  4.4 566  4.2
                  S 0  0 8 63.70   85.50   85.10    .35 1.31
   MOQ 342.4 288  PD0  0 8 26.59   48.39   48.15    .11 1.30
                  S 3  0 8 62.97   84.77   85.70 -1.18  .22
   HRV 343.8 234 EPD0  0 8 26.25   48.05   48.32   -.29 1.30
                  S 2  0 8 63.50   85.30   86.00   -.75  .60
   A11 359.4 334  PD0  0 8 29.46   51.26   50.24   1.01  .92
                  S 0  0 8 67.73   89.53   89.43    .08 1.20
   HAL 363.6  85  P 3  0 8 30.15   51.95   50.76   1.18  .18
                  S 4  0 8 66.38   88.18   90.35 -2.19  .00
  BATG 363.9  26  P 0  0 8 29.05   50.85   50.80   -.01 1.17
                  S 3  0 8 67.13   88.93   90.43 -1.60  .06
   QCQ 364.5 318  P 2  0 8 30.19   51.99   50.87   1.11  .39
                  S 0  0 8 68.74   90.54   90.54   -.04 1.17
   VT1 367.8 270 EP 2  0 8 30.20   52.00   51.28    .71  .53
                  S 0  0 8 69.56   91.36   91.27    .05 1.15
   A16 376.2 337  P 2  0 8 31.03   52.83   52.32    .51  .53
                  S 2  0 8 70.42   92.22   93.13   -.91  .48
  BRYW 385.6 226 EP 0  0 8 31.39   53.19   53.48   -.35 1.021712 .40  4.2
                  S 2  0 8 72.70   94.50   95.20   -.81  .47
   LMQ 394.2 335  PC0  0 8 33.12   54.92   54.54    .31  .97
                  S 1  0 8 74.75   96.55   97.09   -.66  .70
  QUA2 411.4 236 EP 0  0 8 35.08   56.88   56.66    .19  .871486 .40  4.2 501  4.1
                  S 0  0 8 79.30  101.10  100.86    .19  .87
   MIV 431.8 266  P 0  0 8 37.40   59.20   59.18   -.03  .74
  FRNY 435.6 277  P 0  0 8 37.60   59.40   59.65   -.29  .72
                  S 0  0 8 84.40  106.20  106.18   -.04  .72
   DPQ 445.5 306  P 0  0 8 39.04   60.84   60.87   -.06  .66
                  S 3  0 8 84.71  106.51  108.35 -1.89  .00
   MNT 451.4 287  P 0  0 8 39.55   61.35   61.60   -.27  .62
   DAQ 467.9 329  P 0  0 8 41.62   63.42   63.64   -.38  .51
   TRY 481.2 248 EPC2  0 8 44.30   66.10   65.28    .77  .201540 .50  4.3 513  4.1
                  S 0  0 8 94.80  116.60  116.20    .31  .43
   NCB 487.6 265  PD0  0 8 43.60   65.40   66.07   -.77  .36
                  S 4  0 8 99.10  120.90  117.60   3.12  .00
   GSQ 514.1   9  P 3  0 8 48.75   70.55   69.34   1.20  .03
   YLE 515.6 229 EP 2  0 8 47.06   68.86   69.53   -.67  .10
   TRQ 544.3 293  P 2  0 8 50.50   72.30   73.08   -.77  .02
   SMQ 662.4   9  P 0  0 8 65.79   87.59   87.65   -.12  .00
  BINY 679.6 249 EP 0  0 9  8.30   90.10   89.78    .25  .00
                  S 3  0 9 77.10  158.90  159.80 -1.04  .00
   MNQ 689.6 356  P 1  0 9  8.72   90.52   91.01   -.57  .00
   EEO 891.4 287  P 3  0 9 32.72  114.52  115.93 -1.47  .00
 VIMO1487.2 309  P 4  010 42.53  184.33  189.48 -5.15  .00
D6A08A.XX
NORTHERN NY AND ADIRONDACKS
06OCT08 VT, 19KM (12MI) SW OF MIDDLEBURY
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61008  716 56.69 43-51.73  73-18.69    2.27   .0  .0      139   .24   .8  2.9 B
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
  MIV   29.6 323  P 0  717   1.27    4.58    4.84   -.32 1.16
                  S 0  717   5.11    8.42    8.62   -.30 1.18
 ACCN   60.4 208  P 0  717   6.13    9.44    9.51   -.13 1.14
                  S 0  717  13.80   17.11   16.93    .07 1.15
  NCB   74.3 280  P 0  717   8.19   11.50   11.61   -.22 1.10
                  S 0  717  17.27   20.58   20.67   -.27 1.09
 FRNY 110.3 348  P 0  717  13.66   16.97   17.08   -.15 1.03
                  S 0  717  27.17   30.48   30.39    .01 1.04
 LBNH 118.6  69  P 0  717  15.44   18.75   18.33    .35  .94
                  S 0  717  29.44   32.75   32.63    .01 1.02
 LONY 132.0 310  P 0  717  17.23   20.54   20.35    .11  .99
                  S 0  717  33.00   36.31   36.23   -.05  .99
  PTN 155.0 300  P 0  717  20.75   24.06   23.84    .18  .92
                  S 0  717  39.73   43.04   42.44    .54  .68
 CTNY 188.0 274  P 0  717  25.79   29.10   28.85    .22  .84
                  S 0  717  48.55   51.86   51.35    .45  .75
D6A09A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT09 CANADA, NB, 62KM (38.5MI) ENE OF PLASTER ROCK
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61009 12 4 48.42 47- 1.63  66-34.23   10.14  2.3  .0       65   .36   .9  1.0 C
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 BATG   47.6  54  P 0 12 4 56.57    8.15    7.92    .18 2.21
                  S 0 12 4 62.15   13.73   14.09   -.47 2.14
   PQI 117.1 250 EP 0 12 5  7.55   19.13   18.91    .19 1.90  75 .09  2.4
                  S 0 12 5 22.13   33.71   33.66    .00 1.90
   LMN 188.3 134 EP 0 12 5 17.72   29.30   29.19    .05 1.59
                  S 0 12 5 40.62   52.20   51.97    .13 1.59
   GGN 213.2 185 EP 0 12 5 20.40   31.98   32.26   -.29 1.46
                  S 4 12 5 43.90   55.48   57.43 -1.96  .00
   GSQ 213.7 349 EP 3 12 5 22.48   34.06   32.32   1.73  .09
                  S 4 12 5 49.61   61.19   57.53   3.65  .00
   A21 247.2 288 EP 4 12 5 28.66   40.24   36.46   3.77  .00
                  S 0 12 5 53.29   64.87   64.90   -.05 1.33
   A64 266.0 290 EP 3 12 5 28.66   40.24   38.79   1.44  .17
                  S 3 12 5 56.49   68.07   69.04 -1.00  .24
  EMMW 266.6 195 EP 3 12 5 29.37   40.95   38.85   2.09  .01  12 .13  2.2
                  S 3 12 5 59.39   70.97   69.16   1.79  .06
   A61 275.8 286 EP 4 12 5 31.88   43.46   39.99   3.41  .00
                  S 0 12 5 59.58   71.16   71.19   -.13 1.20
   CNQ 276.6 336 EP 3 12 5 30.66   42.24   40.09   2.13  .01
                  S 0 12 5 59.49   71.07   71.35   -.33 1.19
   ICQ 282.2 349 EP 3 12 5 31.07   42.65   40.78   1.86  .04
                  S 0 12 5 61.27   72.85   72.59    .24 1.18
  PKME 287.5 227 EP 0 12 5 29.50   41.08   41.44   -.38 1.13
                  S 0 12 5 62.20   73.78   73.76   -.01 1.15
   LMQ 289.9 282 EP 0 12 5 30.82   42.40   41.74    .60 1.12
                  S 0 12 5 62.82   74.40   74.29   -.01 1.14
   A54 295.0 279 EP 4 12 5 34.25   45.83   42.36   3.41  .00
                  S 1 12 5 63.46   75.04   75.41   -.47  .81
   DAQ 367.1 286 EP 0 12 5 40.20   51.78   51.26    .36  .80
   MNQ 422.2 337  S 4 12 5 90.66  102.24  103.36 -1.28  .00
   GBN 429.9 115 EP 0 12 5 47.84   59.42   59.02    .40  .53
                  S 4 12 5 91.29  102.87  105.05 -2.20  .00
D6A10A.XX
NORTHERN NY AND ADIRONDACKS
06OCT10 VT, 19KM (12MI) SW OF MIDDLEBURY
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61010  620 29.18 43-52.24  73-18.93    4.38  2.3  .0       45   .38   .6  1.2 C
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
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   MIV  28.6 322   P O   620 33.55    4.37    4.60   -.27 1.61
                   S O   620 37.30    8.12    8.18   -.15 1.62
  ACCN  61.1 208   P O   620 38.55    9.37    9.50   -.19 1.52
                   S O   620 46.32   17.14   16.92    .12 1.52
   VT1  68.2  41 EPD0   620 40.05   10.87   10.58    .27 1.48 273 .07  2.6
                   S O   620 48.54   19.36   18.83    .49 1.45
   NCB  73.8 279   P O   620 40.54   11.36   11.43   -.17 1.48
                   S O   620 49.72   20.54   20.35    .02 1.48
   HNH  84.8 103 EPC0   620 42.32   13.14   13.10    .01 1.45 185 .20  2.4
                   S O   620 51.71   22.53   23.32   -.85 1.22
  FRNY 109.3 349   P O   620 45.52   16.34   16.82   -.51 1.33
                   S O   620 58.74   29.56   29.93   -.44 1.34
  LBNH 118.6  70   P O   620 47.72   18.54   18.22    .26 1.33
                   S O   620 61.64   32.46   32.43   -.07 1.34
   TRY 129.8 193 EPD0   620 49.36   20.18   19.92    .21 1.31  63 .19  2.2
                   S O   620 64.03   34.85   35.46   -.69 1.20
  LONY 131.1 309   P O   620 49.16   19.98   20.12   -.20 1.30
                   S O   620 64.93   35.75   35.81   -.18 1.30
   FFD 141.2 108 EP 3   620 51.79   22.61   21.64    .95  .21
                   S 3   620 68.67   39.49   38.52    .94  .23
   PTN 154.2 300   P O   620 53.13   23.95   23.62    .30 1.22
                   S O   620 71.57   42.39   42.04    .30 1.22
  MSNY 175.7 315   P O   620 56.03   26.85   26.88   -.03 1.17
                   S O   620 77.63   48.45   47.84    .60 1.08
   MOQ 181.0  28   P O   620 57.10   27.92   27.67    .11 1.15
                   S O   620 78.59   49.41   49.26   -.10 1.15
   MNT 183.0 352   P O   620 56.73   27.55   27.97   -.44 1.12
  CTNY 187.6 274   P O   620 58.08   28.90   28.68    .19 1.13
                   S 3   620 81.53   52.35   51.05   1.25  .08
  QUA2 193.4 156 EPC0   620 59.39   30.21   29.56    .62 1.03  52 .23  2.4
                   S 3   620 79.90   50.72   52.62 -1.95  .00
   WBO 200.3 309   P O   620 59.68   30.50   30.57   -.08 1.09
                   S O   620 83.87   54.69   54.42    .25 1.08
   HRV 208.3 137 EP 0   621  1.48   32.30   31.55    .72  .95
                   S 3   621 23.73   54.55   56.17 -1.67  .01
   WES 231.5 135 EPC0   621  3.73   34.55   34.42    .12  .99  32 .23  2.3
                   S O   621 30.12   60.94   61.27   -.35  .98
  BRYW 261.0 146 EP 4   621 10.75   41.57   38.07   3.44  .00  22 .20  2.2
                   S 4   621 31.50   62.32   67.77 -5.55  .00
  BINY 286.6 229 EP 4   621 12.49   43.31   41.22   2.01  .00
                   S O   621 43.00   73.82   73.38    .30  .81
   WVL 300.7  76 EP 0   621 12.03   42.85   42.97   -.13  .78  19 .25  2.2
                   S O   621 44.70   75.52   76.49   -.99  .52
  PKME 355.1  64 EP 0   621 19.56   50.38   49.68    .68  .54
                   S O   621 57.70   88.52   88.43    .06  .61
   LMQ 470.4  30 EP 3   621 31.94   62.76   63.92 -1.23  .02
                   S O   621 83.30 114.12 113.78    .22  .25
  EMMW 476.7  79 EPC0   621 34.20   65.02   64.69    .32  .23   6 .17  2.4
                   S 4   621 89.10 119.92 115.15   4.75  .00
   GGN 534.7  75 EP 0   621 41.03   71.85   71.85   -.01  .05
                   S 4   621 94.10 124.92 127.90 -3.00  .00
   LMN 707.3  72 ES 4   623 38.00 188.82 165.83 22.88  .00
D6A10B.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT10 ME, NEAR BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61010 13 5 47.77 45-55.37  67-55.77  24.72  1.5  .0     261   .23   .0   .0 B
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
  GGN 124.6 136 EP 0 13 6  7.80   20.03   19.87    .15 1.03
                  S 0 13 6 23.20   35.43   35.37    .05 1.04
 PKME 129.1 235 EP 0 13 6  8.43   20.66   20.48    .17 1.02
                  S 0 13 6 23.84   36.07   36.45   -.41  .90
 EMMW 139.7 165                                            8 .13  1.5
D6A15A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT15 ME, OFFSHORE, 4.8KM (3MI) SE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61015  425 38.22 44-21.32  68-10.00   5.00   .7  .0     224   .79 10.5 30.5 D
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW  68.8  55 EP 0  425 48.27   10.05   11.25 -1.21 1.04   3 .12   .7
                  S 0  425 58.40   20.18   20.02    .14 1.14
  WVL 121.1 279 EP 0  425 59.10   20.88   19.55   1.32  .91
                  S 0  425 72.12   33.90   34.79   -.91  .98
 PKME 134.6 319   S 0  425 77.05   38.83   38.63    .17  .98
  GGN 136.1  52 EP 0  426   .77   22.55   21.93    .61  .97
                  S 0  426 17.32   39.10   39.04    .04  .98
  LMN 312.5  58 EP 4  426 18.35   40.13   45.04 -4.97  .00
D6A17A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT17 ME, OFFSHORE, 1.6KM (1MI) E OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61017  539  3.30 44-23.30  68-11.20   5.97  1.1  .0     219   .65  7.4 **** D
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW  68.1  58 EPU0  539 14.49   11.19   11.11    .07 1.14  10 .14  1.1
                  S 0  539 22.79   19.49   19.78   -.31 1.14
  WVL 118.8 278   S 0  539 36.43   33.13   34.09   -.98  .94
 PKME 130.9 318 EPD0  539 25.45   22.15   21.07   1.06  .89
                  S 0  539 40.65   37.35   37.51   -.20 1.00
  GGN 135.0  53 EPD0  539 25.96   22.66   21.73    .92  .91
                  S 0  539 41.59   38.29   38.67   -.40  .98
D6A22A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT22 ME, OFFSHORE, 3.2KM (2MI) NE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61022 1834 31.52 44-24.28  68-10.20   7.97  1.5  .0     207   .40  3.2  5.1 C
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW  65.9  59 EPC0 1834 42.30   10.78   10.78   -.02 1.26  21 .13  1.4
                  S 0 1834 50.30   18.78   19.19   -.44 1.22
  WVL 119.8 277 EP 0 1834 51.20   19.68   19.34    .32 1.11  13 .13  1.6
                  S 0 1834 65.11   33.59   34.43   -.87  .86
 PKME 130.4 317 EP 0 1834 53.07   21.55   21.02    .50 1.05
                  S 0 1834 69.05   37.53   37.42    .07 1.09
  GGN 132.8  53 EP 0 1834 53.36   21.84   21.41    .41 1.05
                  S 0 1834 69.43   37.91   38.11   -.22 1.09
 LBNH 300.3 267 EP 0 1835 14.65   43.12   43.23   -.17  .65
  LMN 309.8  59 EP 0 1835 16.42   44.90   44.41    .43  .61
  MOQ 338.0 287   S 4 1836  4.10   92.58   85.24   7.09  .00
D6A22B.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT22 ME, OFFSHORE, 1.6KM (1MI) ENE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC  ML GAP   RMS  ERH  ERZ Q
  61022 19 0 52.48 44-23.71  68-11.16   9.01   .9  .0     208   .41  6.1  7.6 D
  STN   DIST AZM  RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW  67.6  59 EP 0 19 1  3.21   10.73   11.05   -.33 1.19   5 .12   .9
                  S 0 19 1 11.60   19.12   19.67   -.57 1.12
 PKME 130.3 318 EP 0 19 1 14.10   21.62   21.01    .59  .97
                  S 0 19 1 29.60   37.12   37.40   -.31 1.04
  GGN 134.5  53 EP 0 19 1 14.35   21.87   21.67    .19 1.04
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                  S 0 19 1 31.45  38.97  38.57   .38 1.02
 LBNH 299.0 267   S 0 19 1 69.35  76.87  76.48   .29  .62
  LMN 311.4  59   S 4 19 1 69.15  76.67  79.22 -2.65  .00
D6A22C.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT22 ME, OFFSHORE, 2.4KM (1.5MI) E OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61022 2136 25.30 44-23.08  68-10.60   9.89  2.3 2.5     143   .49  1.6  1.5 C
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW   67.6  58 EPCO 2136 36.24  10.94  11.07  -.14 2.11               108  2.5
                  S 0 2136 44.48  19.18  19.71  -.54 2.11
  WVL 119.6 278 EP 0 2136 45.08  19.78  19.31   .46 1.88  83 .13  2.3  66  2.2
                  S 0 2136 58.91  33.61  34.37  -.77 1.86
 PKME 131.7 318 EPCO 2136 47.51  22.21  21.23   .97 1.83              148  2.9
                  S 0 2136 63.13  37.83  37.78   .01 1.83
  GGN 134.6  53 EP 0 2136 47.00  21.70  21.69   .01 1.81
                  S 0 2136 64.02  38.72  38.60   .10 1.81
  FFD 297.3 250 EP 4 2137 10.00  44.70  42.67  2.01  .00
                  S 4 2137 43.30  78.00  75.95  2.01  .00
 LBNH 299.6 267 EP 0 2137  8.47  43.17  42.96   .15 1.09
  LMN 311.4  58 EP 3 2137 11.02  45.72  44.41  1.25  .26
                  S 0 2137 44.42  79.12  79.06  -.04 1.04
  WES 338.1 229 EPDO 2137 13.30  48.00  47.70   .29  .93  11 .18  2.2
                  S 3 2137 48.70  83.40  84.91 -1.53  .22
  HNH 338.2 257 ES 4 2137 58.60  93.30  84.94  8.31  .00  10 .15  2.3
  MOQ 338.7 288 EP 0 2137 13.48  48.18  47.78   .26  .92
                  S 4 2137 48.12  82.82  85.05 -2.48  .00
  HRV 344.4 233 EP 0 2137 13.70  48.40  48.48  -.11  .90
                  S 0 2137 61.00  95.70  86.30  9.35  .00
 BATG 361.1  27 EP 0 2137 16.14  50.84  50.55   .23  .82
                  S 2 2137 54.47  89.17  89.98  -.92  .41
  HAL 365.7  86  S 0 2137 56.14  90.84  90.99  -.17  .80
  LMQ 389.1 335 EP 2 2137 20.00  54.70  54.00   .63  .35
                  S 1 2137 61.65  96.35  96.13   .10  .53
 QUA2 411.7 235                                      10 .18  2.4
 FRNY 432.6 277 EP 0 2137 24.40  59.10  59.37  -.31  .51
                  S 4 2137 68.52 103.22 105.69 -2.54  .00
  DPQ 440.9 305 EP 4 2137 21.51  56.21  60.41 -4.22  .00
                  S 0 2137 72.04 106.74 107.52  -.83  .47
  NCB 485.5 265 EP 0 2137 31.40  66.10  65.90   .10  .28
                  S 4 2137 97.10 131.80 117.31 14.31  .00
  GSQ 510.1   9 EP 3 2137 35.54  70.24  68.95  1.28  .04
                  S 0 2137 88.21 122.91 122.73   .17  .17
 LONY 510.2 273 ES 4 2138 45.30 140.00 122.74 17.14  .00
  GBN 538.5  78  S 4 2138 31.96 126.66 128.95 -2.31  .00
D6A22D.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT22 ME, OFFSHORE, 2.4KM (1.5MI) NE OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61022 2249 40.19 44-23.87  68-10.59   9.77  1.0  .0      218   .57  5.8  5.5 D
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW   66.8  59 EP 0 2249 50.94  10.75  10.93  -.20 1.26   6 .09   .9
                  S 0 2249 59.23  19.04  19.46  -.44 1.25
  WVL 119.4 277  S 1 2250 13.60  33.41  34.31  -.93  .76   3 .10  1.1
 PKME 130.6 318 EP 0 2250  2.50  22.31  21.05  1.23  .84
                  S 0 2250 17.73  37.54  37.48   .02 1.10
  GGN 133.7  53 EP 0 2250  2.27  22.08  21.54   .52 1.08
                  S 0 2250 18.60  38.41  38.35   .04 1.09
 LBNH 299.7 267 ES 4 2250 63.52  83.33  76.51  6.71  .00
  LMN 310.7  59  S 0 2250 58.95  78.76  78.91  -.26  .63
D6A26A.XX
HUGHES AND LUETGERT NH
06OCT26 NH, 5.8KM (3.6MI) NNE OF FRANKLIN
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61026 13 3  3.61 43-29.80  71-38.01   7.15  1.8 2.0     125   .44  1.3   .9 C
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
  FFD    3.4 209 EP 0 13 3  5.33   1.72   1.35   .36 1.46               67  1.8
                  S 0 13 3  6.07   2.46   2.40   .03 1.48
  HNH   57.6 294 EP 0 13 3 13.37   9.76   9.69   .04 1.33  40 .08  1.7  82  2.2
                  S 0 13 3 20.03  16.42  17.25  -.88 1.12
  HRV 110.2 177 EP 0 13 3 21.50  17.89  18.20  -.33 1.18
                  S 0 13 3 35.70  32.09  32.40  -.35 1.18
  WES 126.1 168 EP 0 13 3 24.70  21.09  20.67   .42 1.13  25 .12  1.9
                  S 0 13 3 39.99  36.38  36.79  -.42 1.12
 QUA2 147.5 203 EP 0 13 3 27.78  24.17  23.98   .17 1.09  18 .12  1.8
                  S 0 13 3 46.52  42.91  42.68   .18 1.09
 ACCN 165.3 266 EP 0 13 3 30.44  26.83  26.74   .03 1.04
                  S 0 13 3 51.50  47.89  47.60   .19 1.04
  MIV 165.9 293 EP 0 13 3 30.40  26.79  26.84  -.09 1.04
                  S 0 13 3 50.64  47.03  47.77  -.82  .91
  TRY 186.1 243  S 0 13 3 57.01  53.40  52.46   .85  .86  11 .13  1.8
  MOQ 207.7 346 EP 0 13 3 36.16  32.55  32.14   .27  .93
                  S 0 13 3 60.55  56.94  57.21  -.52  .90
 FRNY 215.7 314  S 0 13 4  3.10  59.49  58.98   .45  .88
 LONY 267.1 298 EP 3 13 3 44.35  40.74  39.48  1.20  .11
                  S 3 13 3 76.07  72.46  70.27  2.07  .00
 PKME 270.9  44 EP 0 13 3 43.07  39.46  39.95  -.50  .73
                  S 0 13 3 75.10  71.49  71.10   .35  .75
  PTN 293.9 294 EP 0 13 3 47.12  43.51  42.78   .70  .64
                  S 4 13 3 83.65  80.04  76.16  3.83  .00
D6A31A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06OCT31 CANADA, PQ, 4.3KM (2.7MI) SW OF LA MALBAIE
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61031  241 41.04 47-37.31  70-11.23  15.37   .0  .0      82   .47  1.0   .7 C
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
  A61   10.8  43  PCO  241 44.40   3.36   3.04   .25 1.42
                  S 0  241 46.50   5.46   5.41  -.06 1.42
  LMQ   13.3 232  PCO  241 44.65   3.61   3.30   .24 1.41
                  S 0  241 47.02   5.98   5.87  -.01 1.41
  A16   21.6 141  PDO  241 45.47   4.43   4.30   .13 1.39
                  S 0  241 48.03   6.99   7.65  -.67 1.36
  A54   25.0 223  P 0  241 46.06   5.02   4.76   .20 1.38
                  S 0  241 49.53   8.49   8.46  -.08 1.38
  A64   31.7  44  PCO  241 46.97   5.93   5.71   .20 1.37
                  S 0  241 51.14  10.10  10.16  -.10 1.37
  A21   38.4  76  PDO  241 48.05   7.01   6.69   .30 1.33
                  S 0  241 52.94  11.90  11.92  -.04 1.35
  A11   42.2 181  P 0  241 48.46   7.42   7.26   .15 1.34
                  S 0  241 53.35  12.31  12.92  -.63 1.32
  DAQ   87.8 296  P 0  241 55.51  14.47  14.34  -.03 1.22
                  S 0  241 66.81  25.77  25.53  -.04 1.22
  PQI 196.0 123  S 0  242 34.73  53.69  52.73   .91  .85
  DPQ 222.4 242  P 0  242 14.62  33.58  32.88   .67  .84
                  S 0  242 39.25  58.21  58.53  -.38  .86
  CNQ 243.5  40  P 0  242 16.60  35.56  35.48   .05  .81
                  S 0  242 43.80  62.76  63.16  -.45  .80
  GSQ 269.7  58  S 0  242 49.35  68.31  68.92  -.63  .73
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 PKME 270.9 165 EP 0  242 20.78  39.74  38.87   .85  .68
                S 0  242 49.86  68.82  69.19  -.41  .74
  ICQ 301.5  46  P 0  242 24.52  43.48  42.64   .83  .62
                S 0  242 53.70  72.66  75.90 -3.26  .00
  MNQ 339.8  18  P 0  242 29.30  48.26  47.37   .79  .52
                S 0  242 64.02  82.98  84.33 -1.51  .40
  TRQ 367.5 245  S 0  242 69.96  88.92  90.40 -1.48  .35
  SMQ 385.9  41  P 0  242 34.85  53.81  53.06   .68  .42
                S 0  242 75.41  94.37  94.45  -.19  .43
 LBNH 399.4 200 EP 4  242 41.10  60.06  54.73  5.27  .00
                S 4  242 91.40 110.36  97.42 12.83  .00
  GRQ 445.2 255  S 0  242 87.46 106.42 107.49 -1.16  .25
 LONY 476.3 226 EP 4  242 49.70  68.66  64.23  4.36  .00
  NCB 512.7 218 EP 4  242 34.80  53.76  68.72-15.07  .00
D6B03A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06NOV03 ME, OFFSHORE, 8KM (5MI) SE OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61103  110 34.28 44-19.75  68- 9.13   1.50  1.0  .0     216   .16 16.5  8.6 D
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW  69.6  53 EP 0  110 45.64  11.36  11.55  -.20 1.25   7 .12  1.0
                S 0  110 54.72  20.44  20.56  -.14 1.28
  GGN 137.0  50 EP 0  110 56.81  22.53  22.26   .26 1.03
                S 0  110 74.02  39.74  39.62   .10 1.11
 LBNH 301.3 268 EP 0  111 18.50  44.22  44.05   .10  .67
                S 0  111 52.80  78.52  78.42  -.01  .67
  LMN 313.1  57 EP 4  111 24.50  50.22  45.50  4.65  .00
                S 4  111 60.70  86.42  81.00  5.31  .00
D6B03B.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06NOV03 ME, 12KM (7.46MI) NE OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61103  134 36.01 44-29.08  68- 8.08   5.00   .9  .0     248   .24 12.7 24.5 D
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW  59.3  65 EP 0  134 45.29   9.28   9.74  -.47  .96   7 .20   .9
                S 0  134 53.36  17.35  17.34  -.01 1.14
  GGN 125.4  56 EP 0  134 56.52  20.51  20.23   .26  .96
                S 0  134 72.02  36.01  36.02  -.03  .99
 PKME 125.9 313 EP 0  134 56.62  20.61  20.32   .27  .96
                S 0  134 72.20  36.19  36.17  -.02  .99
D6B04A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06NOV04 ME, 8KM (5MI) NE OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61104  422 42.38 44-26.72  68- 7.94   8.48  1.3  .0     171   .44  2.0  1.8 C
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW  61.1  61 EP 0  422 51.95   9.57  10.02  -.46 1.85  16 .13  1.3
                S 0  422 60.29  17.91  17.84   .06 1.87
  GGN 127.8  54  P 0  423  2.97  20.59  20.60  -.02 1.62
                S 0  423 19.00  36.62  36.67  -.07 1.62
 PKME 129.1 315 EPD0  422 63.63  21.25  20.81   .41 1.60
                S 0  422 79.14  36.76  37.05  -.33 1.60
  PQI 247.5   2 EP 0  423 19.90  37.52  36.66   .83 1.04
  LMN 304.9  59  P 0  423 27.00  44.62  43.76   .80  .84
                S 0  423 59.70  77.32  77.88  -.67  .90
  MOQ 339.5 286  P 0  423 30.56  48.18  48.02   .02  .81
                S 3  423 66.18  83.80  85.48 -1.93  .01
  HRV 351.0 232  S 0  423 70.15  87.77  88.00  -.28  .76
 BATG 353.4  27  P 3  423 33.25  50.87  49.74  1.07  .14
                S 0  423 70.48  88.10  88.54  -.55  .73
  A21 381.7 342  S 0  423 77.64  95.26  94.74   .50  .62
  LMQ 384.5 334  S 3  423 76.05  93.67  95.37 -1.83  .01
D6B04B.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06NOV04 ME, 6.4KM (4MI) NE OF BAR HARBOR
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61104  450  4.24 44-25.89  68- 9.01   9.33  1.2  .0     226   .34  3.0  1.7 C
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 EMMW  63.1  61 EP 0  450 14.52  10.28  10.34  -.08 1.46  12 .12  1.2
                S 0  450 22.77  18.53  18.41   .10 1.46
 PKME 129.3 316 EP 0  450 25.61  21.37  20.85   .50 1.17
                S 0  450 41.46  37.22  37.11   .07 1.26
  GGN 129.8  54  P 0  450 25.22  20.98  20.92   .04 1.26
                S 0  450 41.22  36.98  37.25  -.29 1.25
  PQI 249.1   2 EP 0  450 40.22  35.98  36.77  -.82  .61
  LMN 306.9  59  P 0  450 48.70  44.46  43.92   .48  .67
                S 0  450 82.32  78.08  78.17  -.20  .73
  MOQ 338.6 287  S 0  450 89.08  84.84  85.13  -.54  .59
 BATG 355.4  27  S 0  450 93.60  89.36  88.83   .42  .56
  A54 379.3 332  S 4  450 95.88  91.64  94.08 -2.55  .00
D6B27A.XX
SOUTHEAST MAINE CRUSTAL MODEL
06NOV27 CANADA, NB, 64KM (40MI) ENE OF PLASTER ROCK
  DATE     ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61127 2112 20.47 47- 1.24  66-31.32   9.29  2.6  .0      64   .50  1.2  1.3 D
  STN   DIST AZM  RMK HRMN    SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG
 BATG  45.2  51  P 0 2112 27.99   7.52   7.48  -.02 2.73
                S 0 2112 33.49  13.02  13.31  -.40 2.70
  PQI 120.3 251 EP 0 2112 39.89  19.42  19.38   .01 2.32  75 .11  2.3
                S 0 2112 54.91  34.44  34.49  -.11 2.32
  LMN 185.2 135  P 0 2112 49.30  28.83  28.20   .57 1.95
                S 3 2112 69.52  49.05  50.19 -1.25  .36
  GGN 212.9 186  P 0 2112 52.17  31.70  31.62   .07 1.82
                S 3 2112 75.60  55.13  56.27 -1.17  .35
  GSQ 215.1 348  P 3 2112 53.77  33.30  31.89  1.40  .30
                S 3 2112 79.32  58.85  56.76  2.07  .04
  A21 250.9 288  P 3 2112 58.33  37.86  36.31  1.54  .23
                S 1 2112 84.95  64.48  64.63  -.17 1.21
 EMMW 266.9 196  S 4 2112 93.82  73.35  68.15  5.18  .00
  A64 269.7 289  P 4 2112 62.26  41.79  38.63  3.13  .00
                S 0 2112 89.18  68.71  68.77  -.10 1.51
  CNQ 278.7 336  P 0 2112 60.69  40.22  39.74   .45 1.45
                S 0 2112 91.05  70.58  70.74  -.22 1.47
  A61 279.5 286  P 3 2112 62.07  41.60  39.84  1.69  .13
                S 3 2112 90.53  70.06  70.92  -.97  .32
 PKME 289.8 228  P 2 2112 60.70  40.23  41.11  -.91  .63
                S 4 2112 91.82  71.35  73.18 -1.87  .00
  LMQ 293.7 282  P 3 2112 63.12  42.65  41.59   .99  .32
                S 0 2112 94.82  74.35  74.03   .19 1.39
  A54 298.8 279  P 4 2112 66.28  45.81  42.22  3.53  .00
                S 4 2112 94.78  74.31  75.15  -.95  .00
  SMQ 356.3 358  P 3 2113  8.78  48.31  49.32 -1.08  .22
                S 0 2113 48.17  87.70  87.80  -.21 1.05
  WVL 369.4 221 EP 4 2112 63.60  43.13  50.93 -7.82  .00  24 .14  2.8
                S 4 2112 94.02  73.55  90.66-17.13  .00
  DAQ 370.8 286  P 4 2113  9.33  48.86  51.11 -2.42  .00
                S 4 2113 49.04  88.57  90.98 -2.70  .00
  MNQ 424.2 337  S 2 2113 64.56 104.09 102.72  1.20  .28
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  GBN 426.2 115   P 3 2113 20.10  59.63  57.95  1.66  .07
                  S 0 2113 64.18 103.71 103.16   .53  .66
  MOQ 481.5 247   S 2 2113 75.49 115.02 115.31  -.54  .18
D6C07A.XX
NORTHERN NY AND ADIRONDACKS
06DEC07 CANADA, ON, 60KM (37MI) NW OF COCHRANE
  DATE      ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61207   444 59.81 49-30.87  81-33.37  18.94   .0  .0      74   .50  1.4  1.9 C
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 KAPO  69.3 264   P 0   445 10.95  11.14  11.03   .07 2.67
                  S 0   445 19.10  19.29  19.63  -.41 2.64
 OTRO  74.4 356   P 0   445 11.65  11.84  11.78   .04 2.64
                  S 0   445 20.59  20.78  20.97  -.23 2.64
 MALO 141.0  66   P 0   445 21.99  22.18  21.74   .39 2.25
                  S 0   445 38.26  38.45  38.70  -.34 2.27
 KILO 175.5 130   P 3   445 26.96  27.15  26.23   .87  .47
                  S 0   445 46.59  46.78  46.69   .00 2.08
 SUNO 319.6 177   P 0   445 44.65  44.84  44.02   .76 1.19
                  S 0   445 78.11  78.30  78.36  -.17 1.28
 VLDQ 339.4 117   P 3   445 44.20  44.39  46.46 -2.09  .01
                  S 4   445 76.40  76.59  82.70 -6.15  .00
 PNPO 360.1 254   P 0   445 49.64  49.83  49.03   .76  .98
                  S 0   445 86.46  86.65  87.26  -.69 1.02
  EEO 369.2 150   P 0   445 50.57  50.76  50.14   .55  .97
                  S 0   445 88.01  88.20  89.25 -1.18  .81
  GTO 391.6 274   P 3   445 53.85  54.04  52.91  1.07  .18
                  S 3   445 92.75  92.94  94.18 -1.35  .15
 VIMO 398.0 337   P 0   445 54.16  54.35  53.70   .63  .81
                  S 3   445 94.11  94.30  95.59 -1.31  .14
 RSPO 405.6 161   P 0   445 55.05  55.24  54.64   .56  .78
                  S 3   445 95.11  95.30  97.26 -2.03  .01
 KLBO 473.2 168   P 0   446  3.41  63.60  62.99   .58  .41
                  S 3   446 50.63 110.82 112.12 -1.36  .07
 TOBO 476.8 180   P 0   446  3.49  63.68  63.43   .22  .41
                  S 0   446 51.83 112.02 112.91  -.94  .37
 BUKO 481.0 160   P 0   446  3.99  64.18  63.95   .18  .38
                  S 3   446 52.23 112.42 113.83 -1.50  .05
 CRLO 497.3 141   P 0   446  5.97  66.16  65.97   .16  .29
                  S 3   446 55.24 115.43 117.42 -2.05  .00
 SADO 558.5 161   P 0   446 13.55  73.74  73.51   .18  .00
                  S 4   446 68.40 128.59 130.85 -2.34  .00
 CLWO 571.2 170   P 0   446 15.57  75.76  75.08   .60  .00
 CLWO 571.2 170   S 3   446 71.64 131.83 133.64 -1.96  .00
  TBO 581.5 260   P 0   446 16.45  76.64  76.35   .20  .00
                  S 3   446 73.65 133.84 135.91 -2.22  .00
 LDIO 586.0 266   P 0   446 16.94  77.13  76.91   .14  .00
                  S 4   446 74.37 134.56 136.89 -2.48  .00
 BRCO 586.0 179   P 0   446 16.84  77.03  76.92   .06  .00
                  S 3   446 74.60 134.79 136.91 -2.21  .00
 SILO 598.6 337   P 0   446 18.69  78.88  78.46   .38  .00
                  S 3   446 77.79 137.98 139.67 -1.74  .00
  GAC 623.3 133   P 0   446 21.25  81.44  81.52  -.09  .00
                  S 4   446 81.57 141.76 145.10 -3.36  .00
  TRQ 638.8 125   P 0   446 22.78  82.97  83.43  -.46  .00
                  S 4   446 85.24 145.43 148.50 -3.07  .00
 PKRO 645.6 163   P 0   446 24.30  84.49  84.27   .18  .00
                  S 4   446 87.27 147.46 150.01 -2.60  .00
 PKLO 662.0 289   P 0   446 25.80  85.99  86.30  -.37  .00
                  S 4   446 90.12 150.31 153.61 -3.41  .00
 ALFO 662.2 131   P 0   446 26.11  86.30  86.32  -.02  .00
                  S 4   446 90.45 150.64 153.65 -3.01  .00
 MPPO 663.0 143   P 0   446 26.18  86.37  86.42  -.07  .00
                  S 4   446 90.61 150.80 153.82 -3.06  .00
 ACTO 666.5 170   P 0   446 27.06  87.25  86.85   .34  .00
                  S 0   446 92.15 152.34 154.59 -2.36  .00
 LG4Q 690.3  48   P 0   446 29.22  89.41  89.79  -.41  .00
                  S 4   446 95.80 155.99 159.82 -3.89  .00
 MUMO 708.4 299   P 0   446 32.23  92.42  92.02   .34  .00
  DPQ 725.9 116   P 0   446 33.10  93.29  94.18  -.92  .00
 ATKO 736.1 264   P 0   446 35.30  95.49  95.44  -.01  .00
 SOLO 759.9 274   P 0   446 37.11  97.30  98.38 -1.14  .00
  DAQ 778.6 103   P 3   446 38.90  99.09 100.69 -1.76  .00
  NCB 833.1 138 EP 0   446 47.10 107.29 107.42  -.23  .00
  LMQ 858.3 105 EP 4   446 47.88 108.07 110.52 -2.53  .00
                  S 4   446 68.50 128.69 196.73-68.17  .00
 PLIO 867.0 186   P 0   446 51.14 111.33 111.61  -.30  .00
 RLKO 886.5 281   P 0   446 52.92 113.11 114.01  -.96  .00
 LBNH 939.3 129 EP 0   446 60.70 120.89 120.53   .29  .00
 EPLO 959.9 251   P 4   446 52.38 112.57 123.07-10.58  .00
  HNH 960.0 132   S 4   448 33.60 213.79 219.09 -5.36  .00
  TRY 970.0 141   S 4   448 80.70 260.89 221.28 39.51  .00
  FFD1014.5 131   P 4   446 73.30 133.49 129.81  3.65  .00
 QUA21075.7 138   S 4   448 73.30 253.49 244.50  8.93  .00
  WES1122.0 135   S 3   448 75.20 255.39 254.69   .68  .00
 SCHQ1167.7  60   P 4   446 85.82 146.01 148.73 -2.80  .00
D6C13A.XX
SE OF NEW YORK, HUGHES & LUETGERT
06DEC13 PA, 12KM (7.5MI) WSW OF READING
  DATE      ORIGIN     LAT N     LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
  61213 19 7 53.32 40-17.53  76- 3.65   9.83  2.6  .0      143   .39  1.2  1.7 C
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 FMPA  35.0 219   P 0 19 7 58.89   5.57   5.58  -.03 1.53
                  S 0 19 7 63.63  10.31   9.93   .34 1.51
  MVL  40.9 217   P 0 19 7 59.78   6.46   6.45  -.01 1.51
                  S 0 19 7 65.73  12.41  11.47   .90 1.27
  NED  72.0 155   P 0 19 7 64.42  11.10  11.14  -.05 1.42
                  S 0 19 7 73.18  19.86  19.82   .01 1.42
  BVD  74.8 140   P 0 19 7 65.25  11.93  11.56   .35 1.39
                  S 0 19 7 74.05  20.73  20.58   .13 1.41
 SDMD 118.5 214   P 0 19 8 10.92  17.60  18.19  -.64 1.24
                  S 0 19 8 24.75  31.43  32.39 -1.03 1.04
 BRNJ 133.9  71   P 0 19 8 13.76  20.44  20.55  -.12 1.23
                  S 0 19 8 29.94  36.62  36.58   .02 1.23
  GPD 157.4  59   P 0 19 8 17.21  23.89  24.13  -.30 1.16
                  S 0 19 8 36.54  43.22  42.95   .16 1.16
  FOR 194.7  71   P 0 19 8 22.90  29.58  29.66  -.08 1.05
                  S 0 19 8 46.19  52.87  52.79   .08 1.05
  PAL 198.7  67   P 0 19 8 23.46  30.14  30.24  -.12 1.04
                  S 0 19 8 47.05  53.73  53.83  -.13 1.04
 ARNY 199.0  56   P 0 19 8 23.41  30.09  30.28  -.26 1.04
                  S 0 19 8 47.14  53.82  53.90  -.20 1.04
 BINY 211.2   2   P 0 19 8 26.11  32.79  31.85   .85  .88
                  S 0 19 8 50.20  56.88  56.70   .03 1.00
 MANY 211.9  61   P 0 19 8 25.42  32.10  31.94   .14 1.00
                  S 0 19 8 50.20  56.88  56.85  -.01 1.00
  TRY 336.7  36 EP 0 19 8 41.42  48.10  47.35   .70  .59  21 .15  2.6
                  S 0 19 8 77.70  84.38  84.28   .01  .63
 UCCT 363.3  63 EP 0 19 8 43.60  50.28  50.63  -.38  .55
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                  S 0 19 8 81.00   87.68   90.12 -2.50   .00
 QUA2 381.0   55  S 0 19 9 27.25   93.93   94.02  -.15   .50  20 .16  2.7
 BRYW 421.1   65 EP 0 19 8 50.93   57.61   57.77  -.22   .38
                  S 0 19 8 96.44  103.12  102.82   .19   .38
  WES 459.9   60  S 0 19 9 43.40  110.08  111.37 -1.31   .15  15 .20  2.7
 LONY 495.8   14  S 0 19 9 51.80  118.48  119.24  -.89   .14
D6C15A.XX
SOUTHEAST MAINE CRUSTAL MODEL
06DEC15 ME, 12KM (7.5MI) ESE OF RUMFORD
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC   ML GAP    RMS  ERH   ERZ Q
  61215   421 14.09 44-31.90  70-24.02    5.00  1.6  .0      130    .43  1.7   1.7 C
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
  WVL   58.3   90 EPD0  421 23.99    9.90    9.51    .37 1.32  22 .09  1.4
                  S 0   421 30.61   16.52   16.94   -.44 1.29
 PKME 119.6   47 EPC0  421 33.96   19.87   19.23    .61 1.11
                  S 0   421 47.95   33.86   34.23   -.41 1.14
 LBNH 125.8  255 EPC0  421 34.47   20.38   20.22    .09 1.15
                  S 0   421 49.59   35.50   35.99   -.60 1.07
  FFD 155.0  220 EP 0   421 39.13   25.04   24.86    .16 1.07
                  S 0   421 58.40   44.31   44.24    .03 1.07
  MOQ 170.2  301  P 4   421 38.44   24.35   26.77 -2.57   .00
                  S 0   421 62.35   48.26   47.66    .35 1.02
  HNH 176.8  239 EP 0   421 42.05   27.96   27.59    .34 1.00  10 .13  1.7
                  S 0   421 62.87   48.78   49.10   -.38   .99
 EMMW 234.5   85 EPC0  421 49.00   34.91   34.71    .19   .86   2 .09  1.6
                  S 0   421 75.57   61.48   61.78   -.32   .85
  GGN 290.5   77 EP 0   421 56.77   42.68   41.63   1.04   .44
                  S 0   421 87.50   73.41   74.10   -.71   .63
  DPQ 302.4  322  S 4   421 95.55   81.46   76.71   4.69   .00
D6C18A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06DEC18 ME, OFFSHORE, 4KM (2.5MI) SE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC   ML GAP    RMS  ERH   ERZ Q
  61218 1953 23.54 44-21.98   68- 9.65    5.00  2.3 2.6      171    .40  1.7   2.5 C
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW   67.7   56 EPC0 1953 34.42   10.88   11.08   -.20 1.72 172 .17  2.3  78   2.2
                  S 0 1953 43.06   19.52   19.72   -.21 1.72
  WVL 121.3  279 EP 0 1953 43.57   20.03   19.59    .43 1.53  81 .10  2.4
                  S 3 1953 57.03   33.49   34.87 -1.39   .26
 PKME 134.0  318 EPC0 1953 45.79   22.25   21.60    .63 1.47               161  2.9
                  S 0 1953 61.73   38.19   38.46   -.30 1.47
  GGN 135.0   52 EPC0 1953 45.15   21.61   21.76   -.15 1.48               113  2.6
                  S 0 1953 62.12   38.58   38.72   -.16 1.48
  FFD 297.8  250 EP 0 1954  6.80   43.26   43.23    .02   .90
                  S 0 1954 40.00   76.46   76.94   -.51   .88
 LBNH 300.8  267 EP 0 1954  6.87   43.33   43.60   -.32   .88
                  S 3 1954 42.40   78.86   77.60   1.15   .20
  LMN 311.4   58 EP 0 1954  8.92   45.38   44.91    .41   .85
                  S 0 1954 44.03   80.49   79.94    .45   .85
  WES 337.7  229 EP 0 1954 11.30   47.76   48.15   -.40   .75
                  S 0 1954 49.50   85.96   85.71    .24   .76
  MOQ 340.5  288 EP 0 1954 12.50   48.96   48.50    .32   .75
                  S 0 1954 52.90   89.36   86.33   2.78   .01
D6C29A.XX
NORTHWEST MAINE CRUSTAL STRUCTURE
06DEC29 ME, OFFSHORE, 4.4KM (2.75MI) SE OF BAR HARBOR
  DATE      ORIGIN     LAT N     LONG W    DEPTH    MN  MC   ML GAP    RMS  ERH   ERZ Q
  61229 2121 10.78 44-21.25   68-10.17    8.45  3.1 3.1      140    .55  1.0   1.0 D
  STN   DIST AZM   RMK HRMN    SEC    TOBS    TCAL    RES    WT AMX PRX XMAG FMP FMAG
 EMMW   69.1   55 IPD0 2121 21.95   11.17   11.28   -.12 3.37 524 .14  2.8 213   3.1
                  S 0 2121 30.61   19.83   20.08   -.26 3.37
  WVL 120.9  279 EPD0 2121 30.82   20.04   19.50    .53 2.94 388 .26  2.9 179   3.0
                  S 0 2121 44.60   33.82   34.72   -.91 2.75
  GGN 136.4   52  P 0 2121 32.77   21.99   21.97    .01 2.90
                  S 0 2121 49.97   39.19   39.11    .07 2.90
  PQI 257.7    3 EP 4 2121 50.83   40.05   37.93   2.09   .00 347 .30  3.3
                  S 0 2121 78.75   67.97   67.51    .41 2.03
  FFD 296.7  251 EP 0 2121 53.57   42.79   42.74    .03 1.77
                  S 2 2121 87.80   77.02   76.07    .91   .79
 LBNH 300.0  268  P 0 2121 54.35   43.57   43.15    .36 1.73
                  S 3 2121 89.10   78.32   76.81   1.40   .24
  LMN 312.7   58  P 2 2121 56.52   45.74   44.72    .96   .73
                  S 0 2121 90.10   79.32   79.60   -.39 1.64
  WES 336.3  229 EP 0 2121 57.59   46.81   47.63   -.82 1.39
                  S 3 2121 94.50   83.72   84.77 -1.07   .32
  HNH 338.0  258 EP 0 2121 59.03   48.25   47.84    .38 1.47 130 .26  3.1
                  S 0 2121 96.36   85.58   85.15    .37 1.47
  MOQ 340.3  288  P 0 2121 59.26   48.48   48.12    .22 1.47
                  S 3 2121 95.44   84.66   85.65 -1.24   .27
  HRV 342.8  233  P 0 2121 58.75   47.97   48.43   -.49 1.44
                  S 3 2121 95.30   84.52   86.21 -1.74   .09
  A11 357.7  334  P 2 2122  1.96   51.18   50.27    .90   .60
                  S 2 2122 39.64   88.86   89.48   -.63   .65
  QCQ 362.5  318  P 2 2122  2.37   51.59   50.86    .71   .63
                  S 0 2122 41.32   90.54   90.53   -.02 1.31
 BATG 363.9   27  P 0 2122  2.04   51.26   51.04    .17 1.30
                  S 0 2122 41.41   90.63   90.85   -.32 1.30
  HAL 365.4   85  P 0 2122  2.62   51.84   51.22    .61 1.25
                  S 0 2122 41.03   90.25   91.18   -.95 1.16
  A16 374.6  338  P 0 2122  3.87   53.09   52.36    .74 1.16
                  S 0 2122 43.29   92.51   93.19   -.68 1.19
 BRYW 384.9  225 EP 0 2122  4.47   53.69   53.63    .00 1.16
                  S 0 2122 45.60   94.82   95.47   -.75 1.10
  A54 386.3  333  P 2 2122  5.39   54.61   53.80    .75   .54
                  S 3 2122 45.52   94.74   95.77 -1.13   .23
  A21 390.5  342  P 0 2122  6.12   55.34   54.32   1.01   .98
                  S 0 2122 47.44   96.66   96.69   -.04 1.12
  LMQ 392.4  335  P 2 2122  6.10   55.32   54.55    .70   .53
                  S 0 2122 47.67   96.89   97.11   -.34 1.09
  A61 399.8  338  P 0 2122  6.90   56.12   55.47    .59 1.02
                  S 0 2122 49.21   98.43   98.74   -.41 1.04
  A64 408.3  341  P 2 2122  7.96   57.18   56.52    .65   .48
                  S 2 2122 50.78  100.00  100.60   -.63   .48
 QUA2 410.3  236 EP 0 2122  7.50   56.72   56.76   -.07   .98  55 .20  3.1
                  S 0 2122 51.80  101.02  101.04   -.07   .98
 FRNY 433.6  277  P 0 2122 11.13   60.35   59.64    .68   .78
                  S 3 2122 58.44  107.66  106.15   1.44   .10
 UCCT 435.8  229  P 0 2122 10.62   59.84   59.91   -.10   .80
                  S 0 2122 57.43  106.65  106.64   -.04   .80
  DPQ 443.4  306  P 2 2122 12.54   61.76   60.85    .89   .34
                  S 3 2122 58.19  107.41  108.31   -.95   .17
  MNT 449.3  287  P 2 2122 13.20   62.42   61.58    .83   .33
                  S 2 2122 59.67  108.89  109.60   -.75   .33
  DAQ 466.1  329  P 0 2122 14.63   63.85   63.66    .03   .59
                  S 0 2122 63.13  112.35  113.31 -1.24   .43
  NCB 485.7  265  P 3 2122 15.55   64.77   66.08 -1.41   .06
                  S 3 2122 66.65  115.87  117.62 -1.93   .01
 LONY 510.9  273  P 0 2122 20.62   69.84   69.19    .59   .27
```

			S	4	2122	72.00	121.22	123.15	-2.05	.00
GSQ	513.4	9	P	0	2122	20.79	70.01	69.49	.51	.25
			S	0	2122	73.24	122.46	123.70	-1.25	.19
GBN	538.7	77	P	0	2122	23.60	72.82	72.61	.20	.08
			S	3	2122	78.15	127.37	129.25	-1.89	.00
TRQ	542.2	293	P	0	2122	24.44	73.66	73.05	.61	.05
			S	3	2122	79.60	128.82	130.03	-1.21	.00
PTN	542.4	273	P	0	2122	24.40	73.62	73.07	.52	.05
ALFO	548.1	285	P	0	2122	24.58	73.80	73.77	.03	.00
CNQ	550.1	1	P	0	2122	25.36	74.58	74.03	.52	.00
			S	3	2122	81.17	130.39	131.77	-1.43	.00
WBO	567.8	277	P	0	2122	27.65	76.87	76.20	.66	.00
			S	3	2122	85.12	134.34	135.64	-1.32	.00
GAC	595.5	285	P	0	2122	30.83	80.05	79.63	.41	.00
			S	3	2122	90.90	140.12	141.74	-1.63	.00
OTT	607.2	281	P	0	2122	32.75	81.97	81.08	.88	.00
MPPO	644.4	274	P	0	2122	36.08	85.30	85.67	-.39	.00
GRQ	651.1	293	P	0	2122	37.77	86.99	86.50	.45	.00
SMQ	661.8	10	P	0	2122	38.97	88.19	87.81	.32	.00
BINY	678.1	249	P	4	2122	42.85	92.07	89.83	2.16	.00
MNQ	688.5	356	P	0	2122	42.28	91.50	91.11	.31	.00
PEMO	730.7	282	P	0	2122	46.52	95.74	96.32	-.61	.00
CRLO	747.5	284	P	0	2122	49.54	98.76	98.40	.34	.00
VLDQ	829.5	300	P	4	2123	1.95	111.17	108.52	2.64	.00
			S	3	2123	85.42	194.64	193.16	1.45	.00
SADO	872.4	273	P	3	2123	7.30	116.52	113.81	2.67	.00
PKRO	872.6	267	S	0	2123	90.36	199.58	202.62	-3.10	.00
EEO	889.3	287	P	0	2123	7.04	116.26	115.90	.29	.00
			S	4	2123	92.98	202.20	206.31	-4.23	.00
RSPO	930.6	282	P	0	2123	11.28	120.50	120.99	-.53	.00
LG4Q1	118.7	337	P	3	2123	33.86	143.08	144.23	-1.17	.00

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TABLE 5

MICROEARTHQUAKES AND OTHER NON-LOCATABLE EVENTS

Date Yr/Mo/Dy	Sta	Arrival Time Hr:Mn:Sec
None recorded this period.		

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NESN Station Map

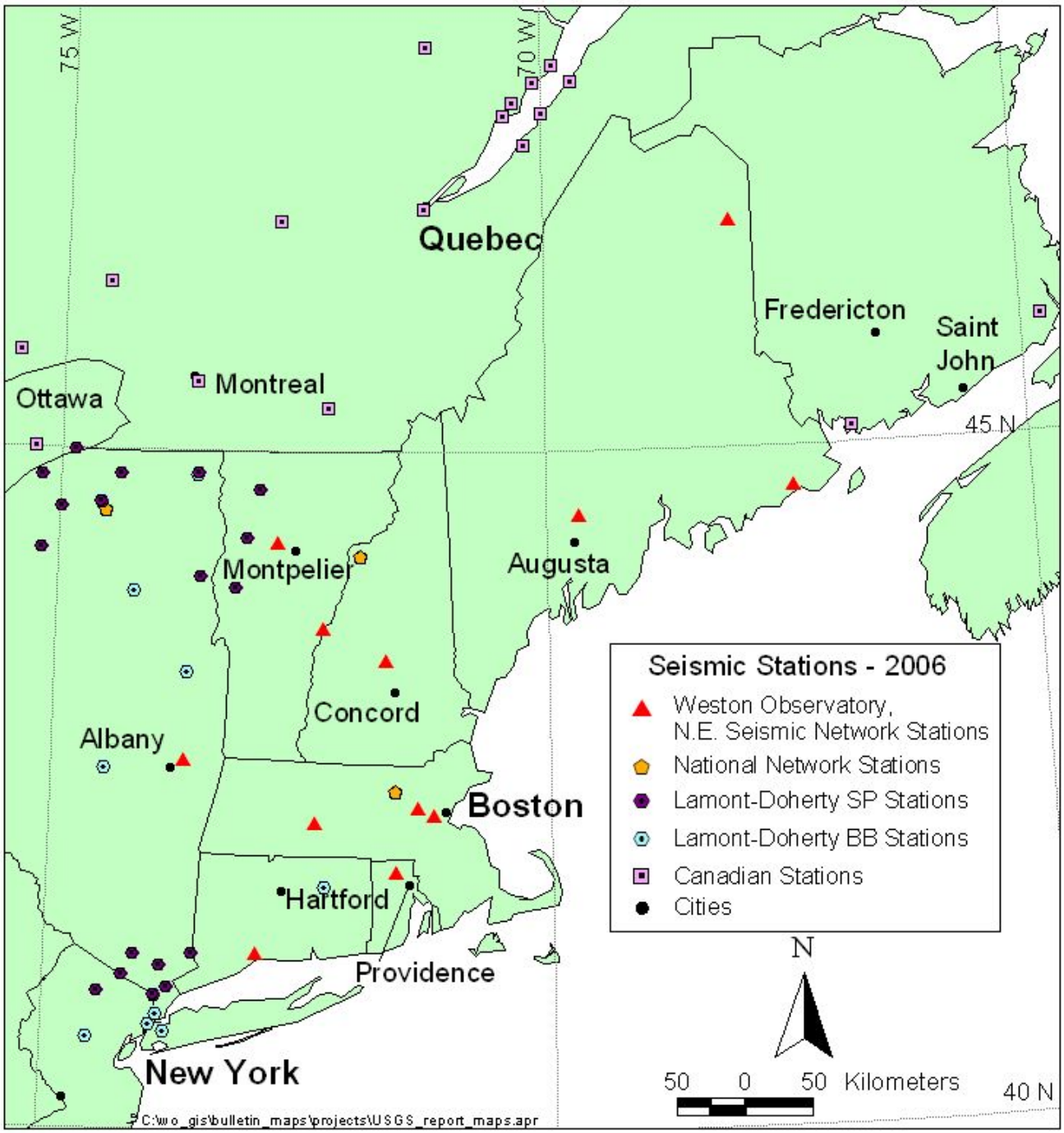

Figure 1: Map of stations of the New England Seismic Network (NESN) in operation during the period of this report. Also included are other Northeast U.S. and Canadian seismic stations in operation during this period.

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NESN Strong-Motion Station Map

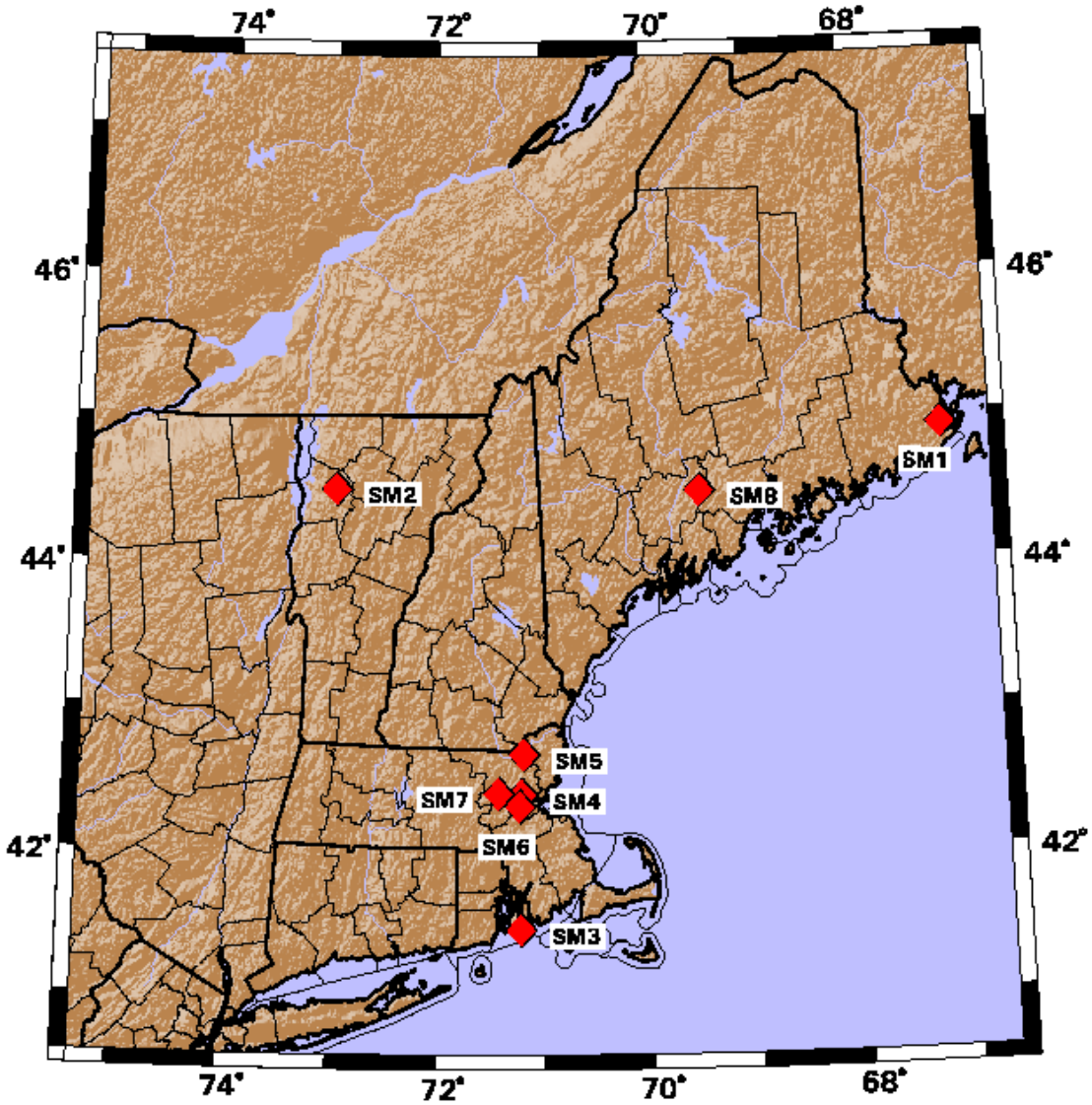

Figure 2: Map of strong-motion stations of the New England Seismic Network (NESN) in operation during the period of this report.

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NESN Quarterly Seismicity Map

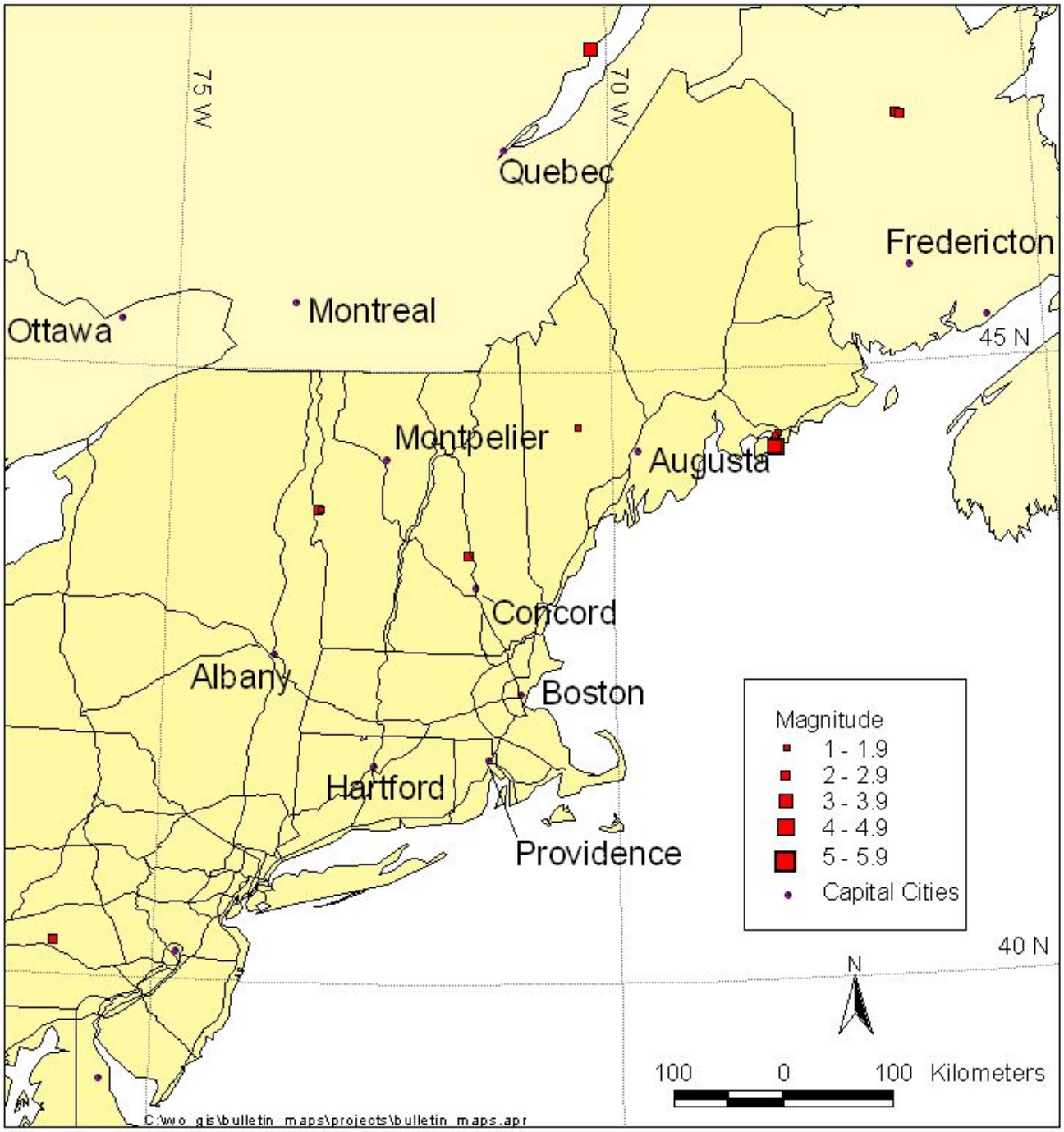

Figure 3: Earthquake epicenters located by the NESN during the period of this report.

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NESN Cumulative Seismicity Map

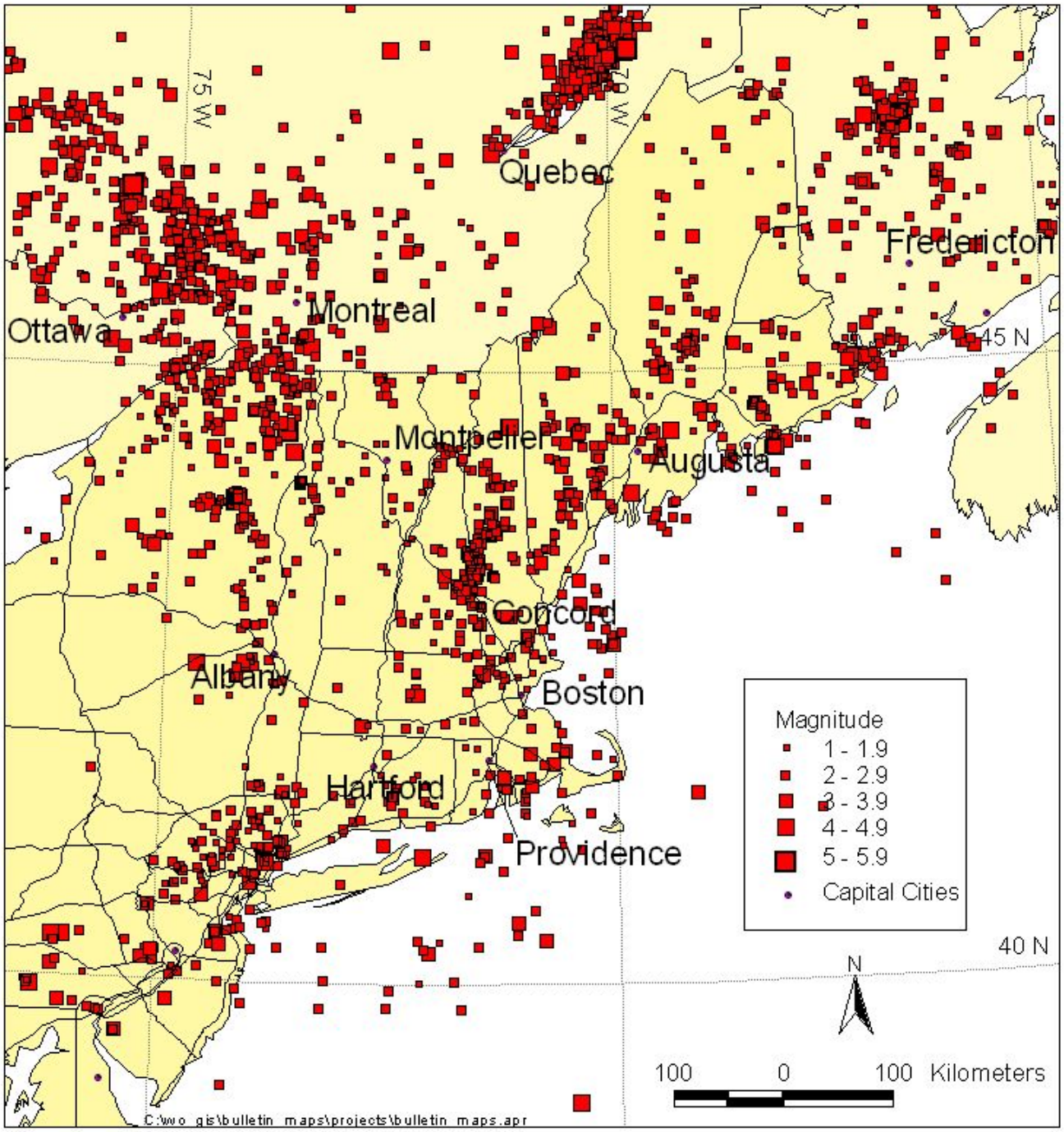

Figure 4: Seismicity for period October, 1975 - December, 2006.

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Acknowledgments

Our map database has been developed in-house using ArcView and in part basemap data provided by ESRI, Inc., USGS GTOPO30 Elevation Data, and TIGER/Line '94, '95, and '97 (US Census Bureau) spatial data.

References

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