A STUDY OF NEW ENGLAND SEISMICITY

Quarterly Earthquake Report

April - June, 2011

Weston Observatory
New England Seismic Network
381 Concord Road
Weston, MA 02493

NEW ENGLAND SEISMIC NETWORK (NESN)

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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 April - June, 2011. 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 81 earthquakes that occurred within or near the network during this reporting period. Phase information for these earthquakes is included in this report.

Current Network Operation and Status

The New England Seismic Network of Weston Observatory of Boston College currently consists of 14 broadband three-component sensors as well as 14 strong motion three-component sensors. The coordinates of the broadband stations are given in Table 2, and maps of the weak- and strong-motion networks are shown in Figures 1. The 14 stations consist of Nanometrics 120PA three-component broadband sensors as well as Reftek RT-147 Accelerometers (Strong Motion Sensors). Ground motions recorded by these sensors are digitized at 40 sps. These stations are

operated in continuous mode with all waveform data transmitted via the internet to Weston Observatory for analysis and event archiving.

Seismicity

There were 81 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 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 (LD), 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.

Data Management

Recent event locations are available at
http://aki.bc.edu/cgi-bin/NESN/recent_events.pl
Waveform data are saved in SAC, and SEED formats and are available through the IRIS DMC at: http://www.iris.edu/dms/dmc/
Northeastern U.S. earthquake catalogs can be found at:
www.bc.edu/research/westonobservatory/northeast/eqcatalogs/ and
http://aki.bc.edu/catalog_search.htm
For more information consult our web site, http://www.bc.edu/research/westonobservatory/
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Explanation of Tables

Table 1: Personnel operating the NESN

Table 2: 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 Hypocenters

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. Location = event geographic location

Table 4: Earthquake Phase Data

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)
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)

TABLE 1

WESTON OBSERVATORY PERSONNEL

Name	Position	Phone #	Email Address
John E. Ebel	Director, Seismologist, Principal Investigator	617-552-8319	ebel@bc.edu
Alan Kafka	Research Seismologist	617-552-8300	kafka@bc.edu
Anastasia M. Moulis	Seismologist, Analyst	617-552-8325	macherid@bc.edu
Michael Hagerty	NESN Manager, Seismologist	617-552-8337	hagertmb@bc.edu
Justin Starr	Research Assistant	617-552-8335	starrjb@bc.edu
Weston Observatory	617-552-8388 (FAX)	617-552-8300	weston.observatory@bc.edu

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, 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
WSPT	41.1710	-73.3275	~70	Westport, CT	WES
ORNO	44.9045	-68.6622	~40	Orono, ME	WES

* = not in operation during this quarter

TABLE 3

EARTHQUAKE HYPOCENTERS

DATE	TIME	LAT	LONG	DEPTH	MN	MC	LOCATION
2011/06/29	14:10:50.40	43.44	-71.35	12.04	1.8	2.4	NH, 14KM SE OF LACONIA
2011/06/29	13:53:40.03	43.44	-71.35	10.91	2.3	2.5	NH, 14KM SE OF LACONIA
2011/06/28	02:21:02.68	45.45	-63.39	19.07	2.2	2.9	NS, 13KM NW OF TRURO
2011/06/22	10:07:30.30	45.29	-73.08	17.16	2.7	2.8	PQ, 52.0KM SE OF MONTREAL
2011/06/19	01:48:10.03	45.30	-66.47	13.23	1.3	2.2	NB, 32.0KM W OF SAINT JOHN
2011/06/18	23:53:33.16	45.06	-67.13	04.61	1.4	1.8	ME, 18KM SE OF CALAIS
2011/06/16	07:20:40.68	48.25	-69.69	21.29	3.3	3.5	PQ, 197.0KM NE OF QUEBEC
2011/06/16	04:03:17.22	44.48	-74.31	03.54	2.1	2.6	NY, 22.0KM NW OF SARANAC LAKE
2011/06/12	08:36:27.65	38.81	-69.21	05.00	2.8	3.3	OFFSHORE, MA, 285KM SSE OF NANTUCKET
2011/06/09	16:21:51.73	40.58	-74.40	00.03	2.0	2.3	NJ, 1.0KM E OF SOUTH PLAINFIELD
2011/06/08	08:49:09.97	46.77	-67.34	12.43	2.3	2.8	NB, 16.0KM SSE OF PLASTER ROCK
2011/06/05	01:06:37.01	45.58	-69.25	05.12	1.8	2.1	ME, 30.0KM ENE OF GREENVILLE
2011/06/05	01:00:46.54	45.60	-69.24	04.48	1.7	2.1	ME, 32.0KM ENE OF GREENVILLE
2011/06/03	13:06:35.95	43.60	-74.12	04.60	1.6	2.2	NY, 24.0KM SSE OF INDIAN LAKE
2011/06/03	00:46:51.23	41.77	-72.57	07.55	1.8	2.3	CT, 4.0KM ESE OF EAST HARTFORD
2011/05/29	14:48:03.73	39.85	-74.46	09.07	2.0	2.4	NJ, 20.0KM NW OF OCEAN ACRES
2011/05/29	08:33:08.27	40.84	-73.99	04.44	1.4	1.8	NJ, 1.0KM S OF PALISADES PARK
2011/05/28	01:33:54.16	40.16	-75.13	00.62	1.8	2.3	PA, 2.0KM SSW OF HORSHAM
2011/05/24	07:31:07.37	43.75	-71.48	08.46	1.3	2.3	NH, 15.0KM NNE OF MEREDITH CENTER
2011/05/23	19:56:24.08	43.60	-74.02	00.73	1.7	2.5	NY, 29.0KM SE OF INDIAN LAKE
2011/05/16	00:46:29.85	41.44	-70.87	00.48	1.3	1.7	MA, 23.0KM SSE OF NEW BEDFORD
2011/05/16	00:39:35.40	41.45	-70.88	03.90	2.1	2.4	MA, 21.0KM SSE OF NEW BEDFORD
2011/05/13	06:14:24.24	44.60	-68.27	05.00	0.8	1.7	ME, 14.0KM ENE OF ELLSWORTH
2011/05/12	04:07:49.07	45.30	-75.21	03.96	1.8	2.5	ON, 35.0KM E OF OTTAWA
2011/05/11	05:49:42.92	46.19	-75.19	11.49	2.6	3.0	PQ, 51.0KM SE OF MONT-LAURIER
2011/05/10	08:19:59.11	40.00	-74.77	00.41	2.2	2.4	NJ, 15.0KM ENE OF MOORESTOWN
2011/05/09	14:46:44.00	46.16	-75.19	08.45	2.5	2.7	PQ, 53.0KM SSE OF MONT-LAURIER
2011/05/07	06:45:11.57	44.78	-73.92	00.02	2.5	2.8	NY, 38.0KM WNW OF PLATTSBURGH
2011/05/04	09:33:08.92	45.78	-66.20	07.72	2.2	2.7	NB, 39.0KM ESE OF FREDERICTON
2011/05/04	08:00:08.63	44.51	-68.93	05.55	1.3	1.7	ME, 16.0KM SSW OF BUCKSPORT CENTER
2011/05/04	07:24:45.65	44.51	-68.89	11.80	1.2	1.7	ME, 14.0KM SSW OF BUCKSPORT CENTER
2011/05/04	04:24:04.88	44.66	-68.80	00.26	0.9	2.1	ME, 4.0KM NE OF BUCKSPORT CENTER
2011/05/04	04:17:53.69	44.56	-68.86	02.53	1.3	1.9	ME, 9.0KM SSW OF BUCKSPORT CENTER
2011/05/03	02:04:23.47	44.60	-68.83	04.03	1.3		ME, 4.0KM S OF BUCKSPORT CENTER
2011/05/03	02:03:47.32	44.50	-68.91	04.43	1.6		ME, 16.0KM SSW OF BUCKSPORT CENTER
2011/05/03	01:04:39.35	44.51	-68.89	03.95	1.0	1.6	ME, 14.0KM SSW OF BUCKSPORT CENTER
2011/05/03	00:24:45.75	44.52	-68.92	06.10	1.5	2.1	ME, 14.0KM SSW OF BUCKSPORT CENTER
2011/05/02	23:01:35.52	44.53	-68.90	04.89	1.7	2.3	ME, 12.0KM SSW OF BUCKSPORT CENTER
2011/05/02	22:26:55.45	44.51	-68.90	04.46	1.5	1.8	ME, 15.0KM SSW OF BUCKSPORT CENTER
2011/05/02	22:24:31.61	44.54	-68.89	04.84	1.5	2.1	ME, 11.0KM SSW OF BUCKSPORT CENTER
2011/05/01	16:19:19.31	44.53	-68.89	04.54	1.4	2.0	ME, 12.0KM SSW OF BUCKSPORT CENTER
2011/05/01	06:34:09.20	44.81	-68.65	05.00	0.9	2.0	ME, 8.0KM S OF ORONO
2011/05/01	05:59:50.80	44.53	-68.92	05.37	1.7	2.4	ME, 13.0KM SSW OF BUCKSPORT CENTER
2011/04/30	23:56:11.64	44.60	-68.84	00.04	1.3	1.8	ME, 4.0KM S OF BUCKSPORT CENTER
2011/04/30	23:26:31.41	44.59	-68.84	01.62	1.3	2.1	ME, 5.0KM S OF BUCKSPORT CENTER
2011/04/30	23:25:43.68	44.69	-68.79	04.34	0.9	1.4	ME, 7.0KM NNE OF BUCKSPORT CENTER
2011/04/30	23:23:08.50	44.62	-68.82	20.43	1.6	2.3	ME, 2KM SSE OF BUCKSPORT CENTER
2011/04/30	22:52:37.78	44.53	-68.89	04.50	1.7	2.4	ME, 12.0KM SSW OF BUCKSPORT CENTER
2011/04/30	22:34:01.23	44.57	-68.87	05.43	1.3	2.2	ME, 7KM SSW OF BUCKSPORT CENTER
2011/04/29	17:08:58.25	44.66	-68.80	05.14	1.4	2.4	ME, 4.0KM NE OF BUCKSPORT CENTER
2011/04/23	22:38:02.50	44.90	-71.02	07.46	2.1	2.6	ME, 53.0KM NW OF MEXICO
2011/04/17	06:43:14.24	47.12	-66.50	23.55	2.5	3.0	NB, 72KM ENE OF PLASTER ROCK
2011/04/11	04:49:14.49	45.90	-66.23	05.65	1.7	2.5	NB, 32KM ESE OF FREDERICTON
2011/04/04	03:46:27.55	43.70	-70.41	10.35	1.4	2.3	ME, 3.0KM NW OF WESTBROOK

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

TABLE 4
EARTHQUAKE PHASE DATA

```
HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon Apr  4 16:28:08 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 3.0KM NW OF WESTBROOK
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104040346 27.55 43-41.75  70-24.33  10.35  1.4 2.3     149  0.25  0.9  1.2

 NSTA NPHS DMIN N.XMG N.FMG
   8  15  103.90   6   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  FFD 103.9 257 EPC0  346 44.40  16.85  16.77  0.06 1.33                        93
                S 0  346 57.89  30.34  29.85  0.45 1.33
 LBNH 136.2 297 EPC0  346 49.30  21.75  21.89 -0.20 1.24 0.1 .10  1.1  74  2.3  92
                S 0  347  6.32  38.77  38.96 -0.30 1.24
  HNH 151.6 272 EPC0  346 51.52  23.97  23.95 -0.01 1.20 0.2 .10  1.5           51
                S 0  347 10.25  42.70  42.63  0.02 1.20
  HRV 162.1 216  S 2  347 10.93  43.38  44.91 -1.58 0.00                        51
  WES 163.7 208 EPC0  346 52.66  25.11  25.43 -0.33 1.16 0.1 .10  1.2  58  2.2  51
                S 0  347 11.38  43.83  45.27 -1.45 0.00
 PKME 195.5  26 EPC0  346 57.24  29.69  29.36  0.31 1.04 0.1 .15  1.6           51
                S 0  347 20.03  52.48  52.26  0.18 1.04
 QUA2 223.6 226 EPC0  347  0.21  32.66  32.83 -0.20 0.94 0.1 .10  1.4  83  2.5  51
                S 0  347 27.47  59.92  58.44  1.43 0.00
  GGN 326.3  59 EPC2  347 12.79  45.24  45.51 -0.28 0.26 0.3 .15  1.5           51
                S 0  347 49.66  82.11  81.01  1.08 0.03



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu Apr 14 11:00:08 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
NB, 32KM ESE OF FREDERICTON
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104110449 14.49 45-54.06  66-14.05   5.65  1.7 2.5     113  0.29  1.1  1.9

 NSTA NPHS DMIN N.XMG N.FMG
   7  12  98.50   2   4

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  GGN  98.5 209 EPC0  449 30.45  15.96  15.88  0.07 1.39                105  2.5  90
                S 4  449 45.22  30.73  28.27  2.45 0.00
  LMN 111.0  92 EPC0  449 32.29  17.80  17.87 -0.13 1.36 2.1 .05  1.4 108  2.6  90
 BATG 153.5   4 EPC0  449 39.57  25.08  24.61  0.41 1.24                122  2.7  90
  PQI 161.6 303 EPC0  449 38.30  23.81  25.64 -1.86 0.33                        51
                S 0  450  0.02  45.53  45.64 -0.16 1.21
 EMMW 163.5 217 EPC1  449 40.54  26.05  25.88  0.16 0.90 0.2 .10  1.9  70  2.3  51
                S 0  450  0.59  46.10  46.07  0.02 1.20
 PKME 248.9 255 EPC1  449 54.44  39.95  36.43  3.50 0.00                        51
                S 4  450 22.98  68.49  64.85  3.61 0.00
  GBN 372.2  96 EPC0  450  5.68  51.19  51.65 -0.47 0.36                        51
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                S 0  450 56.56 102.07  91.94 10.12 0.00
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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue Apr 19 11:09:43 2011     SM E R
 CRUST MODEL  1: 12. NORTHWEST MAINE CRUSTAL ST
NB, 72KM ENE OF PLASTER ROCK
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104170643 14.24 47- 7.24  66-30.07  23.55  2.5 3.0     140  0.20  0.7  1.1

 NSTA NPHS DMIN N.XMG N.FMG
  18  34  37.70   2   2

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 BATG  37.7  62 EPC0  643 21.37   7.13   7.09 -0.02 1.96                        115
               S 0  643 26.97  12.73  12.62  0.00 1.96
  PQI 125.7 248 EPC2  643 32.34  18.10  20.02 -1.95 0.00 1.8 .08  2.4 143  2.8  92
               S 3  643 46.24  32.00  35.64 -3.69 0.00
  LMN 191.9 136 EPC0  643 42.65  28.41  28.33  0.02 1.45                         55
               S 2  644  3.15  48.91  50.43 -1.62 0.00
  GSQ 204.5 348  S 0  644  7.44  53.20  53.20 -0.02 1.38                         55
  GGN 224.1 187 EPC3  643 48.50  34.26  32.31  1.94 0.00                         55
               S 3  644 12.72  58.48  57.51  0.95 0.04
  A21 249.3 287 EPC0  643 49.72  35.48  35.41  0.06 1.14                         55
               S 0  644 17.75  63.51  63.03  0.46 1.14
  A64 267.4 289 EPC0  643 51.99  37.75  37.66  0.07 1.04                         55
               S 4  644 27.17  72.93  67.03  5.86 0.00
  A16 268.0 280 EPC0  643 52.15  37.91  37.73  0.18 1.03                         55
               S 4  644 27.08  72.84  67.16  5.68 0.00
 EMMW 278.0 196 EPC2  643 54.87  40.63  38.96  1.66 0.00                         55
               S 3  644 26.40  72.16  69.35  2.79 0.00
  A61 278.3 285 EPC0  643 52.92  38.68  39.00 -0.38 0.98                         55
               S 0  644 23.10  68.86  69.42 -0.67 0.86
  LMQ 293.1 281 EPC4  643 59.38  45.14  40.82  4.25 0.00                         55
               S 0  644 27.03  72.79  72.66  0.01 0.89
  A54 298.3 279 EPC0  643 55.74  41.50  41.47 -0.03 0.86                         55
               S 0  644 27.06  72.82  73.82 -1.10 0.00
 PKME 298.3 228 EPC1  643 54.60  40.36  41.47 -1.13 0.00 0.3 .10  2.6 170  3.1  55
               S 4  644 33.18  78.94  73.82  5.09 0.00
  SMQ 345.3 358 EPC2  644  3.57  49.33  47.26  2.01 0.00                         55
               S 4  644 42.73  88.49  84.12  4.26 0.00
  HAL 356.6 139  S 0  644 40.79  86.55  86.63 -0.10 0.55                         55
  DAQ 369.2 287 EPC1  644  3.48  49.24  50.22 -1.14 0.00                         55
               S 0  644 43.78  89.54  89.39 -0.14 0.49
  GBN 429.3 114 EPC2  644 13.27  59.03  57.64  1.38 0.00                         55
               S 0  644 57.09 102.85 102.60  0.23 0.23
  DPQ 481.1 267 EPC3  644 15.34  61.10  64.03 -2.96 0.00                         55
               S 2  645  6.01 111.77 113.97 -2.26 0.00
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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 10 13:46:27 2011     SM E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 53.0KM NW OF MEXICO
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104232238  2.50 44-54.19  71- 1.11   7.46  2.1 2.6     136  0.49  2.1  3.4

 NSTA NPHS DMIN N.XMG N.FMG
  12  20  107.30   6   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
```

```
  MOQ 107.3 296 EPC0 2238 20.36  17.86  17.30  0.42 1.50 2.7 .12  1.5           91
                S 0 2238 33.12  30.62  30.79 -0.42 1.50
  WVL 113.9 108 EPC2 2238 22.69  20.19  18.34  1.84 0.00                       91
                S 1 2238 34.73  32.23  32.65 -0.43 1.11
 PKME 141.8  72 EPC0 2238 25.89  23.39  22.77  0.60 1.39 0.5 .10  2.0 103  2.6  91
                S 0 2238 42.56  40.06  40.53 -0.51 1.39
  FFD 167.1 198 EPC0 2238 29.24  26.74  26.15  0.57 1.30                       51
                S 0 2238 48.76  46.26  46.55 -0.32 1.30
  HNH 167.2 218 EPC4 2238 24.73  22.23  26.16 -3.96 0.00 0.2 .10  1.7           51
                S 4 2238 46.49  43.99  46.56 -2.63 0.00
 ORNO 186.1  89  S 2 2238 53.98  51.48  50.71  0.77 0.61                       51
  MDV 199.3 241 EPC3 2238 34.14  31.64  30.12  1.50 0.00 48.4 .08  4.9           51
                S 1 2238 55.67  53.17  53.61 -0.48 0.88
 EMMW 282.6  93  S 3 2239 15.76  73.26  71.91  1.33 0.01                       51
 LONY 284.0 265 EPC4 2238 45.15  42.65  40.58  2.00 0.00 0.0 .11  1.4           51
                S 4 2239 18.52  76.02  72.23  3.66 0.00
  LMQ 298.8  10 EPC4 2239  2.12  59.62  42.41 17.14 0.00 0.2 .10  1.5           51
                S 4 2239 24.77  82.27  75.49  6.66 0.00
  GGN 331.8  84  S 2 2239 26.69  84.19  82.72  1.46 0.00                       51
  BUF 667.3 254  S 4 2239 25.51  83.01 156.46 73.54 0.00
```

```
HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 10 12:57:11 2011     SM E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 4.0KM NE OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104291708 58.25 44-39.61  68-47.93   5.14  1.4 2.4     245  0.11  1.0  1.3

 NSTA NPHS DMIN N.XMG N.FMG
   4   6  29.20   2   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  29.2  21  S 0 1709  6.91   8.66   8.70 -0.04 1.18                       92
 PKME  77.6 331 EPC0 1709 10.69  12.44  12.56 -0.14 1.13 0.3 .10  1.3  96  2.4  90
                S 0 1709 20.79  22.54  22.36  0.15 1.13
 EMMW 106.5  86 EPC1 1709 15.55  17.30  17.14  0.15 0.81 0.2 .10  1.4           90
                S 1 1709 28.78  30.53  30.51  0.00 0.81
  GGN 164.2  71  S 0 1709 44.59  46.34  46.32  0.01 0.94                       51
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```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 13:42:31 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 7KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104302234  1.23 44-34.26  68-52.09   5.43  1.3 2.2     256  0.18  2.5  1.6

 NSTA NPHS DMIN N.XMG N.FMG
   3   6  84.00   3   2

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 PKME  84.0 337 EPC0 2234 15.06  13.83  13.58  0.23 1.08 0.1 .10  1.1  92  2.4  90
                S 0 2234 25.30  24.07  24.17 -0.14 1.08
 EMMW 112.9  81 EPC0 2234 19.13  17.90  18.18 -0.29 1.01 0.1 .13  1.4           90
                S 0 2234 33.77  32.54  32.36  0.16 1.03
  GGN 172.8  68 EPC0 2234 28.33  27.10  27.05  0.04 0.89 0.9 .10  1.4  42  2.0  51
                S 0 2234 49.38  48.15  48.15 -0.02 0.89
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 13:01:45 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 12.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104302252 37.78 44-31.91  68-53.11   4.50  1.7 2.4     142  0.32  0.8  2.0

 NSTA NPHS DMIN N.XMG N.FMG
   9  18  45.00   8   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  45.0  23 EPC0 2252 45.02   7.24   7.39 -0.15 1.46                        72
               S 0 2252 50.83  13.05  13.15 -0.10 1.46
  WVL  61.8 274 EPC0 2252 47.59   9.81  10.06 -0.26 1.43 0.9 .10  1.8           72
               S 0 2252 54.12  16.34  17.91 -1.58 0.00
 PKME  87.5 339 EPC0 2252 52.52  14.74  14.14  0.58 1.39 0.5 .10  1.6  95  2.4  72
               S 0 2253  2.82  25.04  25.17 -0.16 1.39
 EMMW 115.0  79 EPC0 2252 56.71  18.93  18.50  0.42 1.33 0.4 .10  1.8  79  2.3  72
               S 0 2253 10.35  32.57  32.93 -0.38 1.33
  GGN 175.7  67 EPC0 2253  5.64  27.86  27.49  0.36 1.14 2.6 .15  1.9  79  2.4  47
               S 0 2253 26.67  48.89  48.93 -0.06 1.14
  PQI 247.2  15 EPC3 2253 17.07  39.29  36.33  2.93 0.00 0.1 .15  1.5           47
               S 3 2253 47.84  70.06  64.67  5.34 0.00
  WES 309.5 221 EPC1 2253 21.91  44.13  44.02  0.10 0.45 0.1 .10  1.8           47
               S 0 2253 55.68  77.90  78.36 -0.47 0.60
  HRV 312.1 225 EPC1 2253 22.17  44.39  44.33  0.03 0.44 0.2 .20  1.5           47
               S 1 2253 56.66  78.88  78.91 -0.08 0.44
  LMN 352.6  63 EPC3 2253 28.16  50.38  49.34  0.98 0.02 0.2 .15  1.5           47
               S 3 2254  9.52  91.74  87.83  3.81 0.00



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 14:12:54 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 2KM SSE OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104302323  8.50 44-36.93  68-49.42  20.43  1.6 2.3     251  0.11  1.9  1.2

 NSTA NPHS DMIN N.XMG N.FMG
   4   8  34.60   3   2

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  34.6  21 EPC0 2323 14.78   6.28   6.45 -0.17 1.04                       119
               S 0 2323 20.09  11.59  11.48  0.11 1.04
 PKME  81.0 334 EPC0 2323 22.01  13.51  13.40  0.09 1.00 0.2 .15  1.4  87  2.3 102
               S 0 2323 32.33  23.83  23.85 -0.06 1.00
 EMMW 108.8  83 EPC0 2323 26.27  17.77  17.65  0.11 0.96 0.2 .20  1.6           51
               S 0 2323 39.88  31.38  31.42 -0.05 0.96
  GGN 167.7  69 EPC0 2323 35.07  26.57  24.93  1.63 0.00 1.3 .19  1.6  64  2.3  51
               S 0 2323 56.18  47.68  44.38  3.29 0.00



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May  3 11:56:41 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 7.0KM NNE OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201104302325 43.68 44-41.12  68-47.27   4.34  0.9 1.4     241  0.26  6.1  3.8

 NSTA NPHS DMIN N.XMG N.FMG
   3   6  75.60   3   1
```

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
PKME	75.6	329	EPC0	2325	55.63	11.95	12.26	-0.33	1.05	0.1	.10	0.7	28	1.4	72
			S 0	2326	5.72	22.04	21.82	0.18	1.05						
EMMW	105.4	88	EPC0	2326	1.04	17.36	16.99	0.36	1.01	0.0	.10	0.8			72
			S 0	2326	13.74	30.06	30.24	-0.20	1.01						
GGN	162.5	72	EPC0	2326	16.68	33.00	25.89	7.10	0.00	0.4	.15	1.1			47
			S 0	2326	29.79	46.11	46.08	0.01	0.88						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 2 12:30:39 2011 DS E N
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 5.0KM S OF BUCKSPORT CENTER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201104302326	31.41	44-35.22	68-50.53	1.62	1.3	2.1		253	0.05	3.9	2.6	

NSTA	NPHS	DMIN	N.XMG	N.FMG
3	6	83.20	3	3

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
PKME	83.2	335	EPC0	2326	45.00	13.59	13.60	-0.03	1.19	0.2	.10	1.1	83	2.3	72
			S 0	2326	55.68	24.27	24.21	0.03	1.19						
EMMW	110.7	82	EPC0	2326	49.38	17.97	17.96	0.00	1.14	0.1	.10	1.4	37	1.8	72
			S 4	2327	5.10	33.69	31.97	1.70	0.00						
GGN	170.2	69	EPC2	2326	58.78	27.37	27.15	0.21	0.49	0.9	.10	1.4	58	2.2	47
			S 0	2327	19.72	48.31	48.33	-0.03	0.99						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 2 14:23:16 2011 DS E N
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 4.0KM S OF BUCKSPORT CENTER (POOR LOCATION)

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201104302356	11.64	44-35.75	68-50.56	0.04	1.3	1.8		253	0.26	7.2	4.7	

NSTA	NPHS	DMIN	N.XMG	N.FMG
4	7	82.30	3	2

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
ORNO	37.2	22	S 4	2356	23.36	11.72	11.21	0.51	0.00						71
PKME	82.3	335	EPC0	2356	25.20	13.56	13.56	-0.02	1.35	0.1	.10	1.1			64
			S 0	2356	35.46	23.82	24.14	-0.35	1.35						
EMMW	110.6	82	EPC0	2356	29.35	17.71	18.05	-0.35	1.29	0.2	.10	1.5	32	1.7	64
			S 3	2356	43.37	31.73	32.13	-0.42	0.31						
GGN	169.9	69	EPC2	2356	38.97	27.33	27.30	0.02	0.56	0.9	.15	1.4	38	2.0	44
			S 0	2357	0.34	48.70	48.59	0.09	1.12						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 2 09:35:38 2011 SM E R
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 13.0KM SSW OF BUCKSPORT CENTER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105010559	50.80	44-31.60	68-55.09	5.37	1.7	2.4		142	0.39	1.2	2.2	

NSTA	NPHS	DMIN	N.XMG	N.FMG
9	15	46.60	6	6

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG

```
 ORNO  46.6  25 EPC0  559 58.52   7.72   7.66  0.06 1.33                40  1.6  91
                S 1  560  4.08  13.28  13.63 -0.35 1.00
  WVL  59.2 275 IPC0  560  0.80  10.00   9.66  0.33 1.32 0.5 .10  1.6           91
                S 0  560  7.50  16.70  17.19 -0.51 1.32
 PKME  87.1 341 EPC0  560  5.88  15.08  14.08  0.98 0.79 0.4 .10  1.6 105  2.5  90
                S 0  560 15.90  25.10  25.06  0.00 1.28
 EMMW 117.7  79 EPC0  560 10.01  19.21  18.93  0.27 1.21 0.4 .15  2.0 112  2.6  90
                S 0  560 24.08  33.28  33.70 -0.43 1.21
  GGN 178.3  67 EPC0  560 18.93  28.13  27.74  0.38 1.04 3.2 .10  2.0  62  2.3  51
                S 0  560 39.98  49.18  49.38 -0.22 1.04
  PQI 248.5  16 EPC0  560 31.65  40.85  36.40  4.42 0.00 0.1 .20  1.5 101  2.7  51
                S 3  561  2.25  71.45  64.79  6.60 0.00
  FFD 248.9 243  S 4  560 57.20  66.40  64.88  1.48 0.00                       51
  WES 307.4 221  S 2  561  7.83  77.03  77.73 -0.72 0.28                       51
  LMN 355.2  64 EPC0  560 41.47  50.67  49.58  1.03 0.19 0.2 .15  1.6 102  2.8  51



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May  3 14:27:03 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 8.0KM S OF ORONO
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105010634  9.20 44-48.64  68-39.26   5.00  0.9 2.0     220  0.18  2.7  19.7

 NSTA NPHS DMIN N.XMG N.FMG
   3   6  71.20   3   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 PKME  71.2 316 EPC0  634 19.45  10.25  11.54 -1.31 0.00 0.1 .10  0.6  62  2.0  90
                S 0  634 29.85  20.65  20.54  0.07 1.07
 EMMW  95.4  96 EPC0  634 24.41  15.21  15.39 -0.19 1.04 0.1 .10  1.0           90
                S 0  634 36.92  27.72  27.39  0.31 1.04
  GGN 148.5  76 EPC0  634 32.93  23.73  23.83 -0.11 0.93 0.5 .10  1.0           90
                S 0  634 51.52  42.32  42.42 -0.12 0.93



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Sun May  1 13:18:08 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 12.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105011619 19.31 44-31.78  68-53.67   4.54  1.4 2.0     195  0.24  1.1  2.1

 NSTA NPHS DMIN N.XMG N.FMG
   5  10  45.50   4   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  45.5  23 IPC0 1619 26.81   7.50   7.48  0.02 1.26 0.1 .15  0.8           90
                S 1 1619 32.29  12.98  13.31 -0.33 0.94
  WVL  61.1 274 IPC0 1619 29.00   9.69   9.94 -0.26 1.24 0.3 .21  1.6  23  1.2  90
                S 2 1619 34.92  15.61  17.69 -2.10 0.00
 PKME  87.5 340 EPC0 1619 33.85  14.54  14.13  0.39 1.18 0.3 .10  1.5 119  2.6  90
                S 1 1619 44.47  25.16  25.15 -0.03 0.90
 EMMW 115.8  79 EPC0 1619 38.17  18.86  18.62  0.23 1.14 0.2 .21  1.8           90
                S 1 1619 52.21  32.90  33.14 -0.26 0.86
  GGN 176.4  67 IPC1 1619 47.02  27.71  27.59  0.11 0.74                44  2.0  51
                S 1 1620  8.37  49.06  49.11 -0.07 0.74
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 19:14:51 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 11.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105022224 31.61 44-32.37  68-53.38   4.84  1.5 2.1     193  0.30  1.2  2.4

 NSTA NPHS DMIN N.XMG N.FMG
   6  12  44.40   4   5

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  44.4  23 EPC0 2224 38.92   7.31   7.29  0.02 1.37 0.1 .15  0.8  46  1.7  90
                S 1 2224 44.20  12.59  12.98 -0.39 1.03
  WVL  61.4 273 EPC1 2224 41.12   9.51   9.99 -0.49 1.01 0.4 .25  1.7  41  1.7  90
                S 1 2224 47.78  16.17  17.78 -1.63 0.00
 PKME  86.6 339 EPC0 2224 45.99  14.38  13.99  0.37 1.31 0.4 .10  1.6 127  2.7  90
                S 1 2224 56.59  24.98  24.90  0.04 0.98
 EMMW 115.2  80 EPC1 2224 50.42  18.81  18.53  0.27 0.94 0.4 .15  1.9  46  1.9  90
                S 2 2225  4.00  32.39  32.98 -0.61 0.47
  GGN 175.7  67 EPC0 2224 59.25  27.64  27.46  0.17 1.07               82  2.5  51
                S 1 2225 20.33  48.72  48.88 -0.18 0.81
  LMN 352.6  64 EPC4 2225 16.35  44.74  49.30 -4.62 0.00                    51
                S 4 2226  9.13  97.52  87.75  9.66 0.00


HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 18:58:39 2011     JE E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 15.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105022226 55.45 44-30.54  68-54.27   4.46  1.5 1.8     199  0.33  1.1  2.5

 NSTA NPHS DMIN N.XMG N.FMG
   6  12  48.00   4   5

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  48.0  23 EPC0 2227  3.48   8.03   7.86  0.17 1.93 0.1 .16  1.0  26  1.3  72
                S 1 2227  9.03  13.58  13.99 -0.41 1.45
  WVL  60.5 277 EPC1 2227  5.43   9.98   9.85  0.12 1.43 0.4 .25  1.8  25  1.3  72
                S 2 2227 12.48  17.03  17.53 -0.52 0.95
 PKME  89.3 341 EPC1 2227  7.32  11.87  14.43 -2.58 0.13 0.3 .10  1.5 118  2.6  72
                S 1 2227 21.45  26.00  25.69  0.28 1.38
 EMMW 117.0  78 EPC1 2227 11.85  16.40  18.82 -2.43 0.27 0.5 .10  2.0  39  1.8  72
                S 1 2227 28.95  33.50  33.50 -0.02 1.32
  GGN 178.1  66 EPC2 2227 20.43  24.98  27.79 -2.82 0.00               48  2.1  47
                S 1 2227 45.12  49.67  49.47  0.19 1.13
  LMN 355.1  63 EPC4 2227 46.24  50.79  49.65  1.08 0.00                    47
                S 4 2228 34.55  99.10  88.38 10.62 0.00


 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 20:15:33 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 12.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105022301 35.52 44-31.81  68-53.78   4.89  1.7 2.3     195  0.23  0.7  1.5

 NSTA NPHS DMIN N.XMG N.FMG
   8  15  45.60   5   5

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  45.6  23 EPC0 2301 42.98   7.46   7.48 -0.02 1.55 0.3 .20  1.4  95  2.3  90
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```
                S 0 2301 48.65  13.13  13.31 -0.18 1.55
  WVL  60.9 274 EPC0 2301 45.23   9.71   9.92 -0.22 1.53 1.1 .15  2.1  27  1.4  90
                S 1 2301 52.07  16.55  17.66 -1.13 0.00
 PKME  87.4 340 EPC0 2301 50.22  14.70  14.11  0.57 1.01 0.6 .15  1.9 158  2.9  90
                S 1 2302  0.81  25.29  25.12  0.14 1.11
 EMMW 115.9  79 EPC1 2301 54.44  18.92  18.64  0.27 1.06 0.8 .15  2.3  94  2.5  90
                S 1 2302  8.61  33.09  33.18 -0.11 1.06
  GGN 176.6  67 EPC0 2302  3.33  27.81  27.57  0.23 1.21 0.3 .15  0.9  78  2.4  51
                S 1 2302 24.40  48.88  49.07 -0.21 0.91
  MOQ 279.1 290 EPC1 2302 15.77  40.25  40.22 -0.11 0.58                        51
                S 3 2302 47.18  71.66  71.59 -0.18 0.19
  HRV 311.3 225  S 4 2302 52.92  77.40  78.68 -1.33 0.00                        51
  LMN 353.5  63 EPC2 2302 25.45  49.93  49.41  0.46 0.22                        51
                S 4 2303  3.54  88.02  87.95 -0.04 0.00
```

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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 20:45:03 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 14.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105030024 45.75 44-31.40  68-55.45   6.10  1.5 2.1     196  0.31  1.3  2.6

 NSTA NPHS DMIN N.XMG N.FMG
   9  16  47.20   4   4

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  47.2  26 IPC0   24 53.37   7.62   7.74 -0.12 1.21 0.1 .20  1.0  69  2.0  92
                S 2   24 58.98  13.23  13.78 -0.55 0.61
  WVL  58.8 275 IPC0   24 55.60   9.85   9.59  0.25 1.20 0.4 .11  1.4  38  1.6  92
                S 0   25  2.46  16.71  17.07 -0.38 1.20
 PKME  87.3 341 EPC0   25  0.46  14.71  14.12  0.57 1.16 0.3 .15  1.6 119  2.6  91
                S 1   25 10.80  25.05  25.13 -0.12 0.87
 EMMW 118.2  79 EPC0   25  4.72  18.97  19.05 -0.09 1.10 0.5 .15  2.0           90
                S 1   25 21.71  35.96  33.91  2.03 0.00
  GGN 178.9  67 EPC0   25 13.54  27.79  27.73  0.05 0.94               62  2.3  51
                S 1   25 35.04  49.29  49.36 -0.09 0.71
  FFD 248.3 243 EPC4   25 22.98  37.23  36.30  0.91 0.00                        51
                S 2   25 52.81  67.06  64.61  2.41 0.00
  MOQ 277.2 290 EPC1   25 29.91  44.16  39.87  4.15 0.00                        51
                S 3   26  3.07  77.32  70.97  6.10 0.00
  HNH 284.2 253  S 4   26  4.36  78.61  72.50  6.06 0.00                        51
  WES 306.8 221  S 4   26  2.36  76.61  77.47 -0.87 0.00                        51
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May  2 21:37:50 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 14.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105030104 39.35 44-30.69  68-53.66   3.95  1.0 1.6     198  0.42  1.5  7.3

 NSTA NPHS DMIN N.XMG N.FMG
   7  12  47.40   4   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  47.4  22 EPC2  104 42.23   2.88   7.80 -4.92 0.00 0.1 .15  0.7  30  1.2  72
                S 0  104 53.28  13.93  13.88  0.05 1.40
  WVL  61.3 276 IPC0  104 49.92  10.57  10.00  0.56 1.38 0.1 .15  1.0  25  1.3  72
                S 1  104 56.51  17.16  17.80 -0.66 1.04
 PKME  89.4 340 EPC1  104 53.39  14.04  14.46 -0.44 1.00 0.1 .10  1.0  74  2.2  72
```

```
                S 1  105  5.15  25.80  25.74  0.03 1.00
 EMMW 116.1  78 EPC1  104 57.53  18.18  18.71 -0.54 0.96 0.1 .10  1.3           72
                S 1  105 12.76  33.41  33.30  0.09 0.96
  GGN 177.2  66 EPC3  105  5.47  26.12  27.75 -1.64 0.00                        47
                S 3  105 28.84  49.49  49.40  0.08 0.27
  FFD 249.8 244  S 3  105 46.48  67.13  65.34  1.75 0.00                        47
  MOQ 279.9 290  S 4  105 50.42  71.07  71.97 -1.14 0.00                        47
```

```
HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May  3 15:53:32 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 16.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105030203 47.32 44-29.84  68-54.75   4.43  1.6         201  0.46  2.1  3.8

 NSTA NPHS DMIN N.XMG N.FMG
   5  10  49.40   4   0

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  49.4  23 EPC1  203 54.63   7.31   8.09 -0.78 0.90                        72
                S 1  203 59.59  12.27  14.40 -2.13 0.00
  WVL  60.0 278 EPC3  203 57.58  10.26   9.78  0.47 0.31 0.5 .10  1.5           72
                S 0  204  4.36  17.04  17.41 -0.39 1.23
 PKME  90.3 341 EPC0  204  2.63  15.31  14.59  0.70 1.19 0.3 .05  1.3           72
                S 0  204 13.16  25.84  25.97 -0.17 1.19
 EMMW 117.9  77 EPC0  204  6.67  19.35  18.96  0.38 1.13 0.3 .10  1.7           72
                S 0  204 20.57  33.25  33.75 -0.52 1.13
  GGN 179.2  66 EPC0  204 15.55  28.23  27.93  0.29 0.96 2.1 .10  1.8           47
                S 0  204 37.00  49.68  49.72 -0.05 0.96
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May  3 15:33:27 2011     SM E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 4.0KM S OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105030204 23.47 44-35.97  68-49.96   4.03  1.3         252  0.25  4.0  2.7

 NSTA NPHS DMIN N.XMG N.FMG
   3   6  82.30   3   0

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 PKME  82.3 335 EPC0  204 36.51  13.04  13.33 -0.31 1.24 0.2 .10  1.2           72
                S 0  204 47.42  23.95  23.73  0.19 1.24
 EMMW 109.7  83 EPC0  204 41.52  18.05  17.69  0.35 1.19 0.1 .10  1.3           72
                S 0  204 54.78  31.31  31.49 -0.20 1.19
  GGN 169.0  69 EPC3  204 49.68  26.21  26.73 -0.53 0.11 1.1 .10  1.5           47
                S 0  205 11.07  47.60  47.58  0.00 1.03
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed May  4 09:42:57 2011     DS E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 9.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105040417 53.69 44-33.47  68-51.86   2.53  1.3 1.9     257  0.16  1.7  1.8

 NSTA NPHS DMIN N.XMG N.FMG
   6  10  41.70   4   4
```

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
ORNO	41.7	22	EPC1	418	0.64	6.95	6.97	-0.02	0.91	0.2	.20	1.1	33	1.4	72
			S 2	418	6.21	12.52	12.41	0.11	0.61						
WVL	63.4	271	S 4	418	12.62	18.93	18.51	0.40	0.00						72
PKME	85.5	337	IPC0	418	7.85	14.16	13.91	0.23	1.16	0.1	.15	1.3	65	2.1	72
			S 0	418	18.35	24.66	24.76	-0.14	1.16						
EMMW	112.9	80	EPC0	418	11.71	18.02	18.26	-0.25	1.10	0.1	.15	1.4	59	2.1	72
			S 0	418	26.30	32.61	32.50	0.09	1.11						
GGN	173.0	68	EPC1	418	21.94	28.25	27.39	0.85	0.00	1.2	.10	1.5	53	2.2	47
			S 0	418	42.48	48.79	48.75	0.02	0.96						
FFD	254.3	243	S 4	418	54.86	61.17	66.61	-5.47	0.00						47

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 9 14:20:10 2011 SM E N
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 4.0KM NE OF BUCKSPORT CENTER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105040424	4.88	44-39.62	68-48.14	0.26	0.9	2.1		245	0.34	7.9	12.3	

NSTA	NPHS	DMIN	N.XMG	N.FMG
3	6	77.40	3	2

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
PKME	77.4	331	EPC0	424	17.26	12.38	12.77	-0.41	1.05	0.1	.10	0.7	51	1.9	64
			S 0	424	27.76	22.88	22.73	0.11	1.05						
EMMW	106.7	86	EPC0	424	22.76	17.88	17.42	0.45	1.01	0.1	.10	1.0			64
			S 0	424	35.52	30.64	31.01	-0.39	1.01						
GGN	164.5	71	EPC0	424	30.11	25.23	26.59	-1.37	0.00	0.4	.15	1.1	67	2.3	64
			S 0	424	52.39	47.51	47.33	0.16	0.88						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed May 4 04:00:21 2011 JE E N
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 14.0KM SSW OF BUCKSPORT CENTER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105040724	45.65	44-30.66	68-53.50	11.80	1.2	1.7		198	0.91	3.1	5.4	

NSTA	NPHS	DMIN	N.XMG	N.FMG
7	13	47.40	4	4

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
ORNO	47.4	22	EPC1	724	53.91	8.26	7.88	0.38	1.06	0.1	.20	0.9	25	1.3	101
			S 1	724	59.09	13.44	14.03	-0.59	1.06						
WVL	61.5	276	EPC1	724	56.03	10.38	10.09	0.28	1.05	0.1	.15	1.2	23	1.3	98
			S 1	725	2.78	17.13	17.96	-0.85	1.05						
PKME	89.5	340	IPC0	725	1.20	15.55	14.51	1.02	1.35	0.2	.10	1.4	77	2.3	95
			S 1	725	11.12	25.47	25.83	-0.39	1.01						
EMMW	115.9	78	EPC1	725	2.61	16.96	18.69	-1.74	0.84	0.2	.10	1.4			94
			S 1	725	19.46	33.81	33.27	0.52	0.97						
GGN	177.0	66	EPC1	725	14.24	28.59	26.94	1.64	0.78				34	1.9	51
			S 1	725	32.46	46.81	47.95	-1.16	0.83						
FFD	250.0	244	S 4	725	50.49	64.84	63.97	0.83	0.00						51
MOQ	280.1	290	EPC4	725	43.23	57.58	39.66	17.78	0.00						51
			S 2	726	3.77	78.12	70.59	7.28	0.00						

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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed May  4 10:10:15 2011     DS E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 16.0KM SSW OF BUCKSPORT CENTER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105040800  8.63 44-30.52  68-55.87   5.55  1.3 1.7     199  0.22  0.9  1.9

 NSTA NPHS DMIN N.XMG N.FMG
   5   9  48.90   3   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 ORNO  48.9  25 EPC0  800 16.45   7.82   8.01 -0.19 1.50                31  1.4  91
  WVL  58.4 277 EPC2  800 18.62   9.99   9.53  0.45 0.74                     91
                S 1  800 25.36  16.73  16.96 -0.25 1.12
 PKME  88.7 342 EPC0  800 23.63  15.00  14.32  0.66 0.42 0.2 .10  1.2  62  2.1  90
                S 0  800 34.29  25.66  25.49  0.13 1.44
 EMMW 119.1  78 EPC0  800 27.90  19.27  19.15  0.11 1.36 0.1 .15  1.3  33  1.7  90
                S 2  800 42.53  33.90  34.09 -0.20 0.68
  GGN 180.0  67 EPC0  800 36.69  28.06  27.93  0.12 1.16 0.8 .15  1.4           51
                S 2  800 58.04  49.41  49.72 -0.32 0.58



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Fri May  6 15:06:59 2011     SM E R
 CRUST MODEL  1: 12. NORTHWEST MAINE CRUSTAL ST
NB, 39.0KM ESE OF FREDERICTON
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105040933  8.92 45-46.96  66-12.27   7.72  2.2 2.7      94  0.43  0.7  1.3

 NSTA NPHS DMIN N.XMG N.FMG
  17  29  88.40   5   7

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  GGN  88.4 214 EPC0  933 23.77  14.85  14.34  0.50 2.49               111  2.6  91
                S 1  933 34.47  25.55  25.53  0.01 1.87
  LMN 109.0  85 EPC0  933 26.18  17.26  17.61 -0.41 2.41 4.3 .10  1.8 138  2.8  91
                S 1  933 38.97  30.05  31.35 -1.40 0.10
 EMMW 154.6 220 EPC0  933 33.94  25.02  24.88  0.13 2.17 1.0 .10  2.5  79  2.4  90
                S 0  933 52.63  43.71  44.29 -0.59 2.17
 BATG 166.4   3 EPC1  933 36.13  27.21  26.73  0.42 1.57                95  2.6  51
                S 2  933 56.82  47.90  47.58  0.21 1.05
 ORNO 216.0 245 EPC1  933 41.50  32.58  32.84 -0.26 1.33 0.1 .10  1.9  83  2.5  51
                S 2  934  5.81  56.89  58.46 -1.57 0.00
  HAL 241.5 120 EPC4  933 47.38  38.46  36.00  2.45 0.00                     51
                S 0  934 13.33  64.41  64.08  0.31 1.58
 PKME 248.0 258 EPC1  933 46.09  37.17  36.80  0.35 1.15 0.3 .15  2.3 125  2.9  51
                S 1  934 13.10  64.18  65.50 -1.36 0.12
  WVL 303.7 245 EPC4  934 24.94  76.02  43.67 32.34 0.00 0.1 .10  2.3           51
                S 4  934 37.54  88.62  77.73 10.87 0.00
  A21 341.4 310  S 0  934 34.32  85.40  86.03 -0.65 0.84                     51
  A16 346.4 305  S 0  934 36.28  87.36  87.13  0.23 0.80                     51
  GSQ 354.8 350 EPC3  934  0.02  51.10  49.98  1.11 0.11                     51
                S 3  934 36.38  87.46  88.96 -1.52 0.00
  A61 365.1 307  S 0  934 39.27  90.35  91.24 -1.00 0.55                     51
  GBN 368.6  94 EPC0  934  1.58  52.66  51.69  0.96 0.57                     51
                S 0  934 40.07  91.15  92.01 -0.88 0.63
  LMQ 371.6 304 EPC1  934  0.92  52.00  52.06 -0.13 0.47               135  3.0  51
                S 2  934 41.90  92.98  92.67  0.19 0.32
  A54 372.2 302  S 0  934 41.00  92.08  92.81 -0.84 0.62                     51
  DAQ 454.4 305  S 0  934 58.88 109.96 110.84 -1.17 0.09                     51
  SMQ 495.1 356 EPC4  934 13.66  64.74  67.30 -2.62 0.00                     51
                S 4  935  6.18 117.26 119.79 -2.64 0.00
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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Sat May 7 03:27:27 2011 JE E N
CRUST MODEL 1: 6. NORTHERN NY AND ADIRONDACKS
NY, 38.0KM WNW OF PLATTSBURGH

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105070645	11.57	44-47.05	73-54.99	0.02	2.5	2.8		124	0.69	1.1	4.4	

NSTA	NPHS	DMIN	N.XMG	N.FMG
13	26	55.90	11	12

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
LONY	55.9	252	IPC0	645	20.04	8.47	8.96	-0.56	1.64	2.3	.10	2.1	166	2.9	67
			S 0	645	27.20	15.63	15.95	-0.44	1.64						
MNT	83.1	16	EPC0	645	24.28	12.71	13.09	-0.40	1.59	2.9	.05	1.8	80	2.3	67
			S 0	645	34.85	23.28	23.30	-0.06	1.59						
MDV	105.1	145	EPC0	645	26.82	15.25	16.42	-1.19	1.53	527.4	.16	5.5	112	2.6	67
			S 0	645	39.07	27.50	29.23	-1.76	0.81						
MOQ	143.5	65	EPC0	645	33.55	21.98	22.24	-0.40	1.41	8.2	.18	2.2	93	2.5	67
			S 1	645	51.21	39.64	39.59	-0.20	1.06						
LBNH	169.4	110	EPC0	645	37.68	26.11	26.17	-0.12	1.32	0.5	.11	2.1	123	2.8	67
			S 0	645	57.33	45.76	46.58	-0.93	1.32						
HNH	177.0	132	EPC1	645	38.45	26.88	27.31	-0.46	0.96	0.2	.12	1.8	106	2.7	67
			S 3	645	59.11	47.54	48.61	-1.13	0.32						
TRY	229.1	174	EPC1	645	46.26	34.69	34.58	0.06	0.79	0.2	.19	2.2			48
			S 1	646	12.78	61.21	61.55	-0.43	0.79						
FFD	232.7	128	EPC1	645	48.61	37.04	35.02	2.00	0.16	1.5	.19	2.9	108	2.7	48
			S 1	646	15.39	63.82	62.34	1.45	0.72						
QUA2	305.7	155	EPC1	645	58.56	46.99	44.04	2.92	0.00	0.2	.24	2.2	101	2.8	48
			S 1	646	32.97	81.40	78.39	2.96	0.00						
WES	339.1	140	EPC2	646	4.18	52.61	48.17	4.43	0.00	0.1	.30	1.8	104	2.8	48
			S 2	646	38.34	86.77	85.74	1.01	0.27						
PKME	368.5	80	EPC2	646	6.78	55.21	51.80	3.39	0.00	0.1	.24	2.3	152	3.1	48
			S 4	646	50.68	99.11	92.20	6.87	0.00						
LMQ	413.9	40	EPC2	646	7.38	55.81	57.40	-1.66	0.08				145	3.1	48
			S 4	647	3.31	111.74	102.17	9.44	0.00						
PAL	419.8	179	EPC4	646	10.52	58.95	58.12	0.82	0.00				139	3.1	48
			S 4	647	3.97	112.40	103.45	8.93	0.00						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 9 11:18:23 2011 DS E N
CRUST MODEL 1: 6. NORTHERN NY AND ADIRONDACKS
PQ, 53.0KM SSE OF MONT-LAURIER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105091446	44.00	46- 9.88	75-11.22	8.45	2.5	2.7		307	0.09	1.1	1.3	

NSTA	NPHS	DMIN	N.XMG	N.FMG
6	11	142.10	5	5

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
MNT	142.1	120	EPC0	1447	5.79	21.79	21.79	-0.02	1.61	5.2	.10	2.6	70	2.3	91
			S 0	1447	22.82	38.82	38.79	0.00	1.61						
LONY	178.1	164	IPC0	1447	11.30	27.30	27.26	-0.03	1.46	0.8	.10	2.4	107	2.7	91
			S 2	1447	32.80	48.80	48.52	0.15	0.73						
MOQ	247.2	111	EPC0	1447	20.32	36.32	36.00	0.18	1.11	6.5	.06	2.6	118	2.8	54
			S 2	1447	48.17	64.17	64.08	-0.16	0.55						
MDV	287.9	146	EPC0	1447	24.85	40.85	41.02	-0.19	0.89				121	2.9	54
			S 0	1448	1.41	77.41	73.02	4.36	0.00						
LBNH	333.8	128	EPC2	1447	33.28	49.28	46.69	2.53	0.00	0.2	.10	2.4	122	2.9	54
PKME	470.1	100	EPC0	1447	48.21	64.21	63.52	0.67	0.00	0.1	.15	2.6			54

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                S 2 1448 36.82 112.82 113.07 -0.28 0.05



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 10 12:05:15 2011     SM E N
 CRUST MODEL  1: 3. SE OF NEW YORK, HUGHES & LU
NJ, 15.0KM ENE OF MOORESTOWN
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105100819 59.11 39-59.91  74-46.04   0.41  2.2 2.4     212  0.50  1.7  5.4

 NSTA NPHS DMIN N.XMG N.FMG
  18  33  67.40   3   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  BVD  67.4 249 EP 0  820  9.51  10.40  10.35  0.04 1.14                         68
                S 0  820 17.33  18.22  18.42 -0.22 1.14
  BWD  72.7 253 EP 0  820  9.35  10.24  11.16 -0.93 1.11                         68
                S 0  820 17.45  18.34  19.86 -1.54 0.10
 BRNJ  77.9  12 EP 0  820 11.64  12.53  11.96  0.56 1.12                         68
                S 0  820 20.57  21.46  21.29  0.15 1.12
 LUPA  84.1 323 EP 0  820 12.24  13.13  12.91  0.18 1.12                         68
                S 0  820 21.89  22.78  22.98 -0.27 1.12
  NED  86.6 249 EPC0  820 12.50  13.39  13.29  0.09 1.11                         68
                S 0  820 21.89  22.78  23.66 -0.89 1.11
 CPNY 111.6  37 EP 0  820 16.36  17.25  17.10  0.15 1.07                         68
                S 0  820 29.10  29.99  30.44 -0.45 1.07
 ODNJ 121.2   6 EP 0  820 17.78  18.67  18.56  0.08 1.05                         68
                S 0  820 31.69  32.58  33.04 -0.51 1.05
  FOR 121.7  37 EP 0  820 17.84  18.73  18.65  0.08 1.05                         68
 FMPA 132.7 273 EP 0  820 19.59  20.48  20.33  0.13 1.02                         68
  PAL 133.5  32 EPC0  820 19.97  20.86  20.44  0.41 1.02 1.3 .10  2.4  80  2.4  68
                S 0  820 34.63  35.52  36.38 -0.88 1.02
  MVL 135.2 271 EP 0  820 20.73  21.62  20.71  0.89 1.01                         68
                S 0  820 36.61  37.50  36.86  0.60 1.02
 BRNY 169.7  21 EP 0  820 25.35  26.24  25.97  0.22 0.93                         68
                S 0  820 44.61  45.50  46.23 -0.82 0.93
 SSPA 274.6 286 EP 0  820 39.69  40.58  40.53  0.02 0.59                         48
                S 0  821  8.54  69.43  72.14 -2.77 0.00
 QUA2 324.5  37 EPC1  820 48.97  49.86  46.69  3.14 0.00 0.1 .15  2.0            48
                S 1  821 24.47  85.36  83.11  2.20 0.00
 BRYW 345.5  50 EPC1  820 50.47  51.36  49.28  2.02 0.00 0.1 .10  2.2            48
                S 1  821 30.11  91.00  87.72  3.17 0.00
  HRV 387.2  42 EPC2  821  3.17  64.06  54.44  9.59 0.00                         48
                S 2  821 34.05  94.94  96.90 -2.02 0.00
  WES 392.2  46 EPC2  821  1.60  62.49  55.05  7.43 0.00                         48
                S 1  821 44.02 104.91  97.99  6.90 0.00
 LONY 513.5   1  S 2  822 15.06 135.95 124.65 11.17 0.00                         48



HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon May 16 10:58:41 2011     SM E R
 CRUST MODEL  1: 6. NORTHERN NY AND ADIRONDACKS
PQ, 51.0KM SE OF MONT-LAURIER
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105110549 42.92 46-11.19  75-11.22  11.49  2.6 3.0     113  0.18  0.3  0.6

 NSTA NPHS DMIN N.XMG N.FMG
  47  74  48.90   5   7

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  TRQ  48.9  85 EPC0  549 50.79   7.87   7.76  0.11 1.69                        100
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		S 0	549	56.78	13.86	13.81	0.05	1.69							
GAC	58.3	203 EPC0	549	52.15	9.23	9.16	0.06	1.68							98
		S 0	549	59.07	16.15	16.30	-0.17	1.68							
ALFO	66.3	159 EPC0	549	53.45	10.53	10.37	0.16	1.66							97
		S 0	550	1.29	18.37	18.46	-0.09	1.66							
GRQ	69.7	313 EPC0	549	53.96	11.04	10.88	0.11	1.66							97
		S 0	550	2.22	19.30	19.37	-0.16	1.66							
OTT	97.2	206 EPC0	549	58.17	15.25	15.02	0.22	1.60							94
		S 0	550	9.53	26.61	26.74	-0.14	1.60							
WBO	132.0	184 EPC0	550	3.50	20.58	20.29	0.28	1.49							93
		S 0	550	19.13	36.21	36.12	0.08	1.49							
MNT	143.3	121 EPC0	550	4.90	21.98	22.00	-0.04	1.45	4.4	.05	2.5	107	2.6		93
		S 0	550	21.73	38.81	39.16	-0.39	1.44							
PEMO	169.5	252 EPC0	550	9.04	26.12	25.96	0.13	1.35							92
		S 0	550	29.05	46.13	46.21	-0.13	1.35							
CRLO	170.4	266 EPC0	550	9.08	26.16	26.09	0.04	1.35							92
LONY	180.4	164 EPC0	550	10.37	27.45	27.49	-0.11	1.31	0.8	.20	2.5	128	2.8		54
		S 0	550	32.04	49.12	48.93	0.06	1.31							
DPQ	193.2	72 EPC0	550	11.61	28.69	29.06	-0.40	1.22							54
PLVO	194.8	230 EPC0	550	11.99	29.07	29.26	-0.19	1.25							54
FRNY	195.4	139 EPC0	550	12.35	29.43	29.33	0.06	1.24							54
ALGO	223.1	265 EPC0	550	15.87	32.95	32.76	0.15	1.12							54
KGNO	240.7	206 EPC0	550	17.18	34.26	34.93	-0.68	0.04							54
MOQ	248.1	112 EPC0	550	19.35	36.43	35.84	0.45	0.87	5.2	.08	2.4	142	3.0		54
		S 1	550	47.07	64.15	63.80	0.11	0.75							
BANO	250.1	240 EPC0	550	19.02	36.10	36.09	-0.05	0.99							54
DELO	265.9	227 EPC0	550	22.33	39.41	38.05	1.32	0.00							54
VLDQ	274.6	323 EPC0	550	24.45	41.53	39.11	2.40	0.00							54
PECO	288.0	211 EPC0	550	24.21	41.29	40.76	0.51	0.53							54
MDV	289.9	146 EPC0	550	24.27	41.35	41.00	0.33	0.79				137	3.0		54
		S 2	551	0.44	77.52	72.98	4.50	0.00							
EEO	303.1	282 EPC0	550	25.48	42.56	42.64	-0.15	0.73							54
LBNH	335.3	129 EPC1	550	30.76	47.84	46.61	1.17	0.00				166	3.1		54
BUKO	337.8	258 EPC0	550	29.20	46.28	46.91	-0.68	0.02							54
		S 0	551	5.30	82.38	83.50	-1.21	0.00							
SADO	347.1	245 EPC0	550	30.52	47.60	48.07	-0.51	0.33							54
		S 0	551	7.97	85.05	85.56	-0.59	0.17							
DAQ	359.0	55 EPC0	550	31.82	48.90	49.53	-0.79	0.00							54
		S 0	551	8.55	85.63	88.16	-2.82	0.00							
A54	390.9	67 S 0	551	17.93	95.01	95.18	-0.27	0.33							54
PKRO	393.2	233 S 0	551	16.63	93.71	95.69	-2.04	0.00							54
A11	399.3	71 EPC0	550	36.75	53.83	54.51	-0.69	0.01	0.1	.18	2.6				54
		S 4	551	31.07	108.15	97.03	11.10	0.00							
LMQ	400.4	66 EPC2	550	36.35	53.43	54.65	-1.29	0.00				156	3.1		54
KLBO	401.9	259 EPC0	550	36.91	53.99	54.83	-0.87	0.00							54
		S 0	551	17.21	94.29	97.60	-3.36	0.00							
A16	420.4	68 EPC0	550	42.16	59.24	57.12	2.12	0.00							54
		S 0	551	22.57	99.65	101.67	-2.02	0.00							
A61	422.8	64 EPC0	550	39.29	56.37	57.42	-1.11	0.00							54
		S 0	551	22.74	99.82	102.21	-2.49	0.00							
MEDO	424.2	219 EPC0	550	40.78	57.86	57.58	0.25	0.21							54
		S 0	551	23.11	100.19	102.49	-2.36	0.00							
KILO	428.5	309 EPC0	550	43.06	60.14	58.11	1.98	0.00							54
		S 0	551	23.46	100.54	103.44	-2.98	0.00							
TORO	435.4	231 S 0	551	24.83	101.91	104.97	-3.07	0.00							54
A64	442.2	63 EPC0	550	41.08	58.16	59.80	-1.66	0.00							54
CLWO	445.3	247 EPC0	550	41.77	58.85	60.19	-1.42	0.00							54
		S 0	551	26.52	103.60	107.14	-3.68	0.00							
A21	451.4	66 EPC0	550	43.43	60.51	60.95	-0.45	0.12							54
		S 0	551	30.41	107.49	108.49	-1.02	0.00							
STCO	457.4	226 S 0	551	29.36	106.44	109.79	-3.39	0.00							54
PKME	470.5	100 EPC0	550	46.27	63.35	63.30	0.03	0.09	0.1	.10	2.8	161	3.2		54
		S 1	551	35.39	112.47	112.67	-0.24	0.07							

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  EFO 474.8 226 EPC0  550 49.73  66.81  63.83  2.95 0.00                        54
                S 0  551 33.25 110.33 113.62 -3.34 0.00
 ACTO 480.1 236 EPC0  550 45.14  62.22  64.49 -2.33 0.00                        54
                S 0  551 35.07 112.15 114.79 -2.75 0.00
 QUA2 489.7 151 EPC4  550 56.81  73.89  65.67  8.19 0.00                        54
 TOBO 505.2 261 EPC0  550 49.83  66.91  67.59 -0.71 0.00                        54
                S 0  551 40.20 117.28 120.31 -3.08 0.00
 TYNO 506.2 229  S 0  551 41.83 118.91 120.51 -1.65 0.00                        54
  CNQ 636.3  54 EPC0  551  5.16  82.24  83.77 -1.56 0.00                        54
                S 0  552  7.66 144.74 149.11 -4.42 0.00
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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu May 12 09:36:02 2011     DS E N
 CRUST MODEL  1: 6. NORTHERN NY AND ADIRONDACKS
ON, 35.0KM E OF OTTAWA
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105120407 49.07 45-18.05  75-12.65   3.96  1.8 2.5      64  0.25  0.4  1.9

 NSTA NPHS DMIN N.XMG N.FMG
  20  38  33.80   4   3

  STN  DIST AZM  RMK HRMN   SEC    TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  WBO  33.8 189 EPC0  407 54.60   5.53   5.37  0.15 1.35                        67
                S 0  407 58.57   9.50   9.56 -0.08 1.35
  OTT  41.0 285 EPC0  407 55.60   6.53   6.46  0.06 1.34                        67
                S 0  408  0.56  11.49  11.50 -0.03 1.34
  GAC  49.4 336 EPC0  407 56.77   7.70   7.73 -0.04 1.33                        67
                S 0  408  2.64  13.57  13.76 -0.21 1.33
 LONY  90.5 146 IPC0  408  3.20  14.13  13.96  0.10 1.27 0.8 .05  1.8  77  2.2  67
                S 0  408 13.69  24.62  24.85 -0.35 1.27
  TRQ 114.4  26 EPC0  408  6.75  17.68  17.58  0.10 1.22                        67
                S 0  408 20.08  31.01  31.29 -0.28 1.22
  MNT 126.3  79 EPC4  408  9.18  20.11  19.39  0.70 0.00 0.9 .10  1.8            67
                S 0  408 23.39  34.32  34.51 -0.23 1.19
 FRNY 137.9 111 EPC0  408 10.40  21.33  21.14  0.15 1.16                        67
                S 0  408 26.82  37.75  37.63  0.05 1.16
  GRQ 153.6 342 EPC0  408 13.09  24.02  23.52  0.45 1.12                        67
                S 0  408 30.92  41.85  41.87 -0.10 1.12
 KGNO 156.7 221 EPC0  408 13.03  23.96  23.99 -0.04 1.11                        67
                S 0  408 31.35  42.28  42.70 -0.44 1.11
 CRLO 187.8 297 EPC0  408 16.37  27.30  28.71 -1.44 0.00                        67
                S 0  408 37.67  48.60  51.10 -2.56 0.00
  MDV 216.4 131 EPC0  408 22.22  33.15  32.60  0.53 0.90                98  2.6  48
                S 0  408 47.90  58.83  58.03  0.77 0.74
  MOQ 231.9  88 EPC4  408 25.60  36.53  34.51  1.88 0.00 1.8 .08  1.9  73  2.5  48
                S 4  408 53.15  64.08  61.43  2.40 0.00
  DPQ 243.0  50 EPC0  408 24.76  35.69  35.88 -0.22 0.80                        48
                S 0  408 49.61  60.54  63.87 -3.38 0.00
 LBNH 285.6 113 EPC0  408 31.21  42.14  41.13  0.95 0.23 0.0 .10  1.6            48
                S 4  409  2.47  73.40  73.21  0.08 0.00
  HNH 292.5 126  S 4  409 10.89  81.82  74.74  7.02 0.00                        48
 SADO 315.4 261 EPC0  408 32.62  43.55  44.82 -1.31 0.00                        48
                S 0  409  5.05  75.98  79.78 -3.87 0.00
  EEO 334.5 298 EPC0  408 36.15  47.08  47.17 -0.16 0.45                        48
                S 0  409  9.34  80.27  83.96 -3.82 0.00
 VLDQ 356.5 333 EPC0  408 39.17  50.10  49.89  0.19 0.38                        48
                S 0  409 18.62  89.55  88.80  0.71 0.34
 QUA2 407.1 144  S 3  409 36.72 107.65  99.91  7.69 0.00                        48
  DAQ 424.3  44 EPC0  408 47.43  58.36  58.26 -0.06 0.17                        48
                S 0  409 29.63 100.56 103.70 -3.43 0.00
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Fri May 13 16:56:38 2011     JE E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 14.0KM ENE OF ELLSWORTH
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105130614 24.24 44-36.28  68-16.29   5.00  0.8 1.7     234  0.67  6.5  56.8

 NSTA NPHS DMIN N.XMG N.FMG
   3   6  65.60   1   2

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 EMMW  65.6  79 EPC2  614 34.81  10.57  10.66 -0.10 0.89                        90
                S 3  614 43.30  19.06  18.97  0.07 0.44
 PKME 108.9 313 EPC1  614 42.50  18.26  17.53  0.71 1.25 0.0 .10  0.8  32  1.7  90
                S 1  614 55.07  30.83  31.20 -0.41 1.25
  GGN 127.9  63 EPC1  614 43.51  19.27  20.55 -1.29 0.97              29  1.6  90
                S 1  615  1.24  37.00  36.58  0.40 1.20




 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Sun May 15 21:04:10 2011     JE E N
 CRUST MODEL  1: 1. SOUTH & COASTAL NEW ENGLAND
MA, 21.0KM SSE OF NEW BEDFORD
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105160039 35.40 41-27.04  70-52.51   3.90  2.1 2.4     204  0.33  1.4  2.0

 NSTA NPHS DMIN N.XMG N.FMG
   9  18  22.70   6   8

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 TCHZ  22.7  56 IPC0   39 39.06   3.66   3.85 -0.19 1.40              67  1.9  98
                S 0   39 42.16   6.76   6.85 -0.09 1.40
 BRYW  75.7 314 IPC0   39 47.89  12.49  12.57 -0.14 1.34 2.3 .09  2.1 105  2.5  92
                S 1   39 57.99  22.59  22.37  0.11 1.01
  BCX 101.2 347 IPC0   39 53.11  17.71  16.79  0.89 0.88 2.1 .10  2.1  37  1.8  91
                S 1   40  5.62  30.22  29.89  0.28 0.97
  WES 110.2 341 IPC0   39 53.88  18.48  18.18  0.29 1.27 0.8 .10  1.9 115  2.6  66
                S 1   40  7.33  31.93  32.36 -0.45 0.95
  HRV 130.2 335 EPC0   39 56.95  21.55  21.22  0.30 1.22 2.1 .20  2.0 117  2.7  66
                S 1   40 14.26  38.86  37.77  1.04 0.29
 QUA2 153.3 308 EPC0   40  0.08  24.68  24.73 -0.08 1.15 1.1 .20  2.5  90  2.5  66
                S 0   40 18.97  43.57  44.02 -0.50 1.15
  FFD 233.3 345 EPC4   40 12.66  37.26  34.95  2.29 0.00                        48
                S 3   40 43.19  67.79  62.21  5.54 0.00
  PAL 259.1 260 EPC1   40 15.91  40.51  38.13  2.37 0.00              84  2.6  48
                S 1   40 43.42  68.02  67.87  0.13 0.58
 LBNH 321.5 345 EPC1   40 21.50  46.10  45.84  0.20 0.39 0.1 .15  1.8 114  2.9  48
                S 4   41  6.15  90.75  81.60  9.05 0.00




 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Sun May 15 21:20:03 2011     JE E N
 CRUST MODEL  1: 1. SOUTH & COASTAL NEW ENGLAND
MA, 23.0KM SSE OF NEW BEDFORD
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105160046 29.85 41-26.27  70-52.21   0.48  1.3 1.7     261  0.17  5.7  6.5

 NSTA NPHS DMIN N.XMG N.FMG
   6  11  23.20   4   5
```

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
TCHZ	23.2	53	EPC0	46	33.71	3.86	3.92	-0.06	1.26				40	1.5	61
			S 0	46	36.63	6.78	6.98	-0.20	1.26						
BRYW	77.0	314	EPC0	46	42.77	12.92	12.80	0.06	1.20	0.4	.10	1.4	34	1.6	61
			S 0	46	52.49	22.64	22.78	-0.25	1.20						
BCX	102.7	347	S 4	47	2.12	32.27	30.35	1.87	0.00						61
WES	111.7	341	EPC1	46	48.74	18.89	18.52	0.36	0.85	0.1	.05	1.1	39	1.8	61
			S 1	47	1.77	31.92	32.97	-1.06	0.00						
HRV	131.7	335	EPC0	46	51.46	21.61	21.68	-0.10	1.09	0.3	.20	1.2	37	1.8	53
			S 0	47	8.56	38.71	38.59	0.07	1.09						
QUA2	154.5	308	EPC1	46	54.23	24.38	25.15	-0.80	0.05	0.2	.20	1.7	40	1.9	53
			S 1	47	13.39	43.54	44.77	-1.28	0.00						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 24 12:01:52 2011 SM E N
CRUST MODEL 1: 6. NORTHERN NY AND ADIRONDACKS
NY, 29.0KM SE OF INDIAN LAKE

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105231956	24.08	43-35.82	74- 1.44	0.73	1.7	2.5		112	0.46	1.0	3.3	

NSTA	NPHS	DMIN	N.XMG	N.FMG
8	16	81.20	6	3

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
MDV	81.2	56	EPC0	1956	37.03	12.95	12.76	0.17	1.30				98	2.4	67
			S 0	1956	46.69	22.61	22.71	-0.14	1.30						
TRY	100.6	163	EPC0	1956	39.85	15.77	15.69	0.03	1.26						67
			S 1	1956	51.20	27.12	27.93	-0.90	0.95						
LONY	122.1	339	EPC0	1956	42.68	18.60	18.95	-0.42	1.21	0.4	.10	1.8	103	2.5	67
			S 0	1956	57.70	33.62	33.73	-0.24	1.21						
HNH	140.7	84	EPC2	1956	49.59	25.51	21.77	3.71	0.00	0.3	.10	1.7			67
			S 0	1957	2.74	38.66	38.75	-0.14	1.16						
LBNH	183.0	66	EPC0	1956	53.69	29.61	28.18	1.37	0.47	0.1	.10	1.4	99	2.6	67
			S 0	1957	14.79	50.71	50.16	0.44	1.03						
QUA2	200.2	136	EPC0	1956	55.68	31.60	30.78	0.79	0.97	0.2	.15	1.9			67
			S 0	1957	18.40	54.32	54.79	-0.52	0.97						
BINY	223.6	227	EPC0	1956	59.33	35.25	33.83	1.34	0.45	0.1	.26	1.7			48
			S 0	1957	25.00	60.92	60.22	0.56	0.89						
HRV	234.6	120	EPC2	1957	6.73	42.65	35.19	7.43	0.00	0.3	.10	1.4			48
			S 0	1957	26.84	62.76	62.64	0.07	0.84						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 24 11:32:32 2011 SM E N
CRUST MODEL 1: 2. HUGHES AND LUETGERT NH
NH, 15.0KM NNE OF MEREDITH CENTER

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201105240731	7.37	43-44.88	71-29.08	8.46	1.3	2.3		129	0.27	0.7	0.9	

NSTA	NPHS	DMIN	N.XMG	N.FMG
8	16	33.80	7	4

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
FFD	33.8	204	EPC0	731	13.22	5.85	5.84	-0.01	1.52	2.7	.05	1.6			98
			S 1	731	17.95	10.58	10.40	0.15	1.14						
HNH	64.8	267	EPC3	731	18.46	11.09	10.86	0.20	0.37	0.2	.05	0.8			93
			S 1	731	27.75	20.38	19.33	1.00	0.18						
LBNH	65.1	328	EPC0	731	18.32	10.95	10.92	-0.03	1.49	0.2	.10	1.1	61	2.0	93
			S 0	731	26.74	19.37	19.44	-0.17	1.49						

```
  MDV 139.2 283 EPC2  731 31.13  23.76  22.58  1.16 0.00                          72
                S 1   731 47.86  40.49  40.19  0.26 0.98
  WES 152.0 174 EPC0  731 31.65  24.28  24.57 -0.30 1.27 0.1 .05  1.3  57  2.2  72
                S 0   731 49.85  42.48  43.73 -1.27 0.00
 QUA2 177.9 204 EPC0  731 36.21  28.84  28.29  0.52 1.18 0.1 .10  1.3  78  2.4  49
                S 0   731 57.26  49.89  50.36 -0.52 1.18
 BRYW 203.5 182 EPC2  731 38.83  31.46  31.45 -0.05 0.54 0.1 .14  1.5           49
                S 0   732  3.59  56.22  55.98  0.13 1.08
 PKME 242.5  45 EPC0  731 43.94  36.57  36.27  0.28 0.91 0.1 .10  1.6  67  2.4  49
                S 1   732 12.10  64.73  64.56  0.13 0.68
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 31 11:15:55 2011     SM E N
 CRUST MODEL  1: 3. SE OF NEW YORK, HUGHES & LU
PA, 2.0KM SSW OF HORSHAM
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105280133 54.16 40- 9.51  75- 8.07   0.62  1.8 2.3     170  0.38  2.8  3.7

 NSTA NPHS DMIN N.XMG N.FMG
  11  22  52.80   3   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  BVD  52.8 217 EPC0  134  2.76   8.60   8.11  0.48 1.21                        68
                S 0   134  8.56  14.40  14.44 -0.05 1.21
  BWD  54.9 224 EPC0  134  2.09   7.93   8.44 -0.52 1.21                        68
                S 0   134  8.71  14.55  15.02 -0.49 1.21
  NED  70.1 225 EPC0  134  5.22  11.06  10.76  0.29 1.19                        68
                S 0   134 13.39  19.23  19.15  0.06 1.19
 BRNJ  75.6  39 EPC0  134  6.05  11.89  11.60  0.28 1.18                        68
                S 0   134 14.78  20.62  20.65 -0.05 1.18
 ODNJ 112.0  23 EPC0  134 11.71  17.55  17.15  0.37 1.11                        68
                S 0   134 24.58  30.42  30.53 -0.16 1.11
  PAL 140.1  47 EPC0  134 14.73  20.57  21.45 -0.89 0.86 0.5 .10  2.0  77  2.3  68
                S 0   134 30.63  36.47  38.18 -1.73 0.00
 SDMD 168.1 241 EPC0  134 20.41  26.25  25.72  0.49 0.97                        68
                S 0   134 39.69  45.53  45.78 -0.32 0.97
 BRNY 168.6  33 EPC0  134 19.82  25.66  25.79 -0.18 0.97                        68
                S 0   134 38.76  44.60  45.91 -1.40 0.00
 QUA2 331.5  43 EPC0  134 44.64  50.48  47.54  2.91 0.00 0.1 .40  1.8           48
                S 0   135 19.52  85.36  84.62  0.69 0.42
  HRV 397.1  47 EPC3  134 56.45  62.29  55.63  6.63 0.00 0.2 .20  1.7           48
                S 3   135 35.68 101.52  99.02  2.45 0.00
  WES 404.1  50 EPC3  134 49.22  55.06  56.49 -1.44 0.00                        48
                S 2   135 33.37  99.21 100.55 -1.36 0.00
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 31 12:19:34 2011     SM E N
 CRUST MODEL  1: 3. SE OF NEW YORK, HUGHES & LU
NJ, 1.0KM S OF PALISADES PARK
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105290833  8.27 40-50.23  73-59.68   4.44  1.4 1.8     101  0.21  0.5  1.4

 NSTA NPHS DMIN N.XMG N.FMG
  10  20   5.90   3   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 CPNY   5.9 150 EPC0  833  9.23   0.96   1.14 -0.18 1.07                       126
                S 0   833 10.42   2.15   2.03  0.12 1.07
  FOR   9.6  72 EPC0  833  9.71   1.44   1.63 -0.19 1.07                       113
```

```
                S 0  833 11.26   2.99   2.90  0.09 1.07
 PAL  20.1  21 EPC0  833 11.16   2.89   3.17 -0.29 1.07 5.3 .05  1.7  58  1.8 101
                S 0  833 13.88   5.61   5.64 -0.05 1.07
BRNJ  51.2 251 EPC0  833 16.36   8.09   7.88  0.20 1.05                      94
                S 0  833 22.25  13.98  14.03 -0.06 1.05
ODNJ  58.2 299 EPC0  833 17.38   9.11   8.95  0.13 1.05                      93
                S 0  833 24.24  15.97  15.93 -0.01 1.05
BRNY  64.1 359 EPC0  833 18.11   9.84   9.84 -0.05 1.04                      93
                S 0  833 26.02  17.75  17.52  0.15 1.04
LUPA 119.3 258 EPC0  833 27.00  18.73  18.28  0.41 0.96                      91
                S 0  833 40.44  32.17  32.54 -0.44 0.96
QUA2 210.8  40 EPC0  833 40.94  32.67  32.23  0.41 0.73 0.0 .10  1.2          74
                S 0  834  4.44  56.17  57.37 -1.25 0.00
BRYW 238.0  58 EPC0  833 47.69  39.42  35.64  3.72 0.00 0.1 .10  1.5          53
                S 0  834 11.61  63.34  63.44 -0.21 0.65
 WES 281.4  51 EPC3  833 53.07  44.80  41.00  3.79 0.00                      53
                S 2  834 24.45  76.18  72.98  3.18 0.00
```

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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue May 31 12:45:37 2011     SM E N
 CRUST MODEL  1: 3. SE OF NEW YORK, HUGHES & LU
NJ, 20.0KM NW OF OCEAN ACRES
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201105291448  3.73 39-50.98  74-27.69   9.07  2.0 2.4     212  0.48  1.9  4.0

 NSTA NPHS DMIN N.XMG N.FMG
  13  24  89.30   4   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  BVD  89.3 265 EPC0 1448 17.86  14.13  13.73  0.39 1.18                      95
                S 0 1448 28.10  24.37  24.44 -0.09 1.18
BRNJ  92.9 355 EPC0 1448 18.84  15.11  14.29  0.81 1.18                      95
                S 0 1448 29.59  25.86  25.44  0.41 1.18
 NED 107.7 262 EPC0 1448 20.09  16.36  16.54 -0.19 1.15                      94
                S 0 1448 32.31  28.58  29.44 -0.88 1.14
CPNY 112.9  22  S 0 1448 34.52  30.79  30.85 -0.06 1.14                      94
LUPA 113.6 318 EPC0 1448 21.86  18.13  17.44  0.65 1.13                      94
                S 0 1448 34.81  31.08  31.04 -0.03 1.13
 PAL 136.7  19 EPC0 1448 24.23  20.50  20.95 -0.46 1.08 0.9 .05  2.2  79  2.4  93
                S 0 1448 40.58  36.85  37.29 -0.46 1.08
ODNJ 137.5 355 EPC0 1448 30.78  27.05  21.07  5.95 0.00                      93
                S 0 1448 41.12  37.39  37.50 -0.17 1.08
BRNY 177.8  12 EPC0 1448 30.78  27.05  27.20 -0.20 0.96                      74
                S 0 1448 51.74  48.01  48.42 -0.49 0.96
SDMD 210.0 258 EPC0 1448 36.28  32.55  31.77  0.74 0.86                      53
QUA2 322.9  32 EPC0 1448 48.79  45.06  45.70 -0.67 0.46 0.1 .14  2.1          53
                S 0 1449 28.15  84.42  81.35  3.02 0.00
BRYW 336.8  46 EPC3 1448 51.73  48.00  47.43  0.51 0.10 0.1 .15  2.2          53
                S 2 1449 31.52  87.79  84.43  3.26 0.00
 HRV 382.7  38 EPC2 1449  2.38  58.65  53.08  5.54 0.00 0.1 .20  1.7          53
                S 0 1449 43.10  99.37  94.48  4.83 0.00
 WES 385.8  42 EPC2 1449  3.58  59.85  53.47  6.37 0.00                      53
                S 2 1449 46.48 102.75  95.18  7.56 0.00
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Fri Jun  3 12:49:20 2011     SM E R
 CRUST MODEL  1: 1. SOUTH & COASTAL NEW ENGLAND
CT, 4.0KM ESE OF EAST HARTFORD
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
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```
201106030046 51.23 41-46.30  72-34.09   7.55  1.8 2.3     156  0.32  1.0  1.8

 NSTA NPHS DMIN N.XMG N.FMG
   7  14  59.10   6   4

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 QUA2  59.1  17 EPC0   47  1.24  10.01   9.89  0.09 1.26 0.6 .05  1.3  83  2.2  96
               S 0   47  8.69  17.46  17.60 -0.20 1.26
 BRYW  87.1  78 EPC0   47  5.63  14.40  14.44 -0.10 1.22 1.2 .10  2.0  69  2.2  66
               S 0   47 15.86  24.63  25.70 -1.18 0.19
  HRV 116.7  45 EPC0   47 10.68  19.45  18.94  0.48 1.16 1.1 .10  1.4  68  2.2  66
               S 0   47 25.46  34.23  33.71  0.46 1.16
  WES 123.6  56 EPC0   47 11.40  20.17  19.98  0.18 1.15 0.8 .10  2.0  86  2.4  66
               S 0   47 26.29  35.06  35.56 -0.52 1.15
  BCX 131.5  61 EPC2   47 13.10  21.87  21.19  0.65 0.56 0.9 .20  2.1           66
               S 0   47 28.76  37.53  37.72 -0.24 1.13
  TRY 139.8 320 EPC2   47 14.13  22.90  22.44  0.41 0.55                       66
               S 0   47 31.09  39.86  39.94 -0.17 1.10
  PAL 140.7 234 EPC0   47 13.63  22.40  22.58 -0.19 1.10 0.4 .05  1.8           66
               S 0   47 29.63  38.40  40.19 -1.81 0.00



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue Jun  7 11:29:17 2011     SM E N
 CRUST MODEL  1: 6. NORTHERN NY AND ADIRONDACKS
NY, 24.0KM SSE OF INDIAN LAKE
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106031306 35.95 43-35.72  74- 7.21   4.60  1.6 2.2     118  0.34  1.0  2.4

 NSTA NPHS DMIN N.XMG N.FMG
   8  16  42.80   1   2

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  NCB  42.8 349 EPC0 1306 42.96   7.01   6.74  0.17 1.12                       91
               S 0 1306 48.07  12.12  12.00 -0.06 1.12
 ACCN  43.5 122 EPC0 1306 43.20   7.25   6.84  0.35 1.12                       91
               S 0 1306 48.29  12.34  12.18  0.06 1.12
  MDV  87.9  58 EPC0 1306 49.88  13.93  13.56  0.35 1.07               53  2.0  90
               S 0 1307  0.01  24.06  24.14 -0.11 1.07
 HCNY 102.4 193 EPC0 1306 50.85  14.90  15.75 -0.90 0.92                       90
               S 0 1307  2.20  26.25  28.03 -1.87 0.00
 LONY 119.7 343 EPC0 1306 54.70  18.75  18.38  0.30 1.01 0.3 .10  1.6  84  2.4  90
               S 0 1307  8.86  32.91  32.72  0.07 1.01
 FRNY 144.1  16 EPC0 1306 58.15  22.20  22.09  0.07 0.95                       90
               S 0 1307 14.72  38.77  39.32 -0.62 0.95
  FFD 199.9  93 EPC2 1307 11.63  35.68  30.50  5.16 0.00                       54
               S 0 1307 30.06  54.11  54.29 -0.22 0.80
 BINY 217.9 225 EPC1 1307 11.27  35.32  32.72  2.52 0.00                       54
               S 0 1307 34.60  58.65  58.24  0.27 0.75



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue Jun  7 15:05:23 2011     SM E R
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 32.0KM ENE OF GREENVILLE
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106050100 46.54 45-35.82  69-14.22   4.48  1.7 2.1      67  0.52  1.2  2.8

 NSTA NPHS DMIN N.XMG N.FMG
  15  26  37.20   3   3
```

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
PKME	37.2	187	EPC0	100	52.32	5.78	6.16	-0.40	1.78						72
			S 0	100	57.44	10.90	10.96	-0.10	1.78						
ORNO	89.2	149	EPC1	101	1.24	14.70	14.41	0.29	1.26	0.3	.19	1.8	24	1.4	72
			S 2	101	12.25	25.71	25.65	0.06	0.84						
WVL	119.5	197	S 0	101	20.68	34.14	34.21	-0.09	1.60						72
EMMW	171.1	124	EPC1	101	13.05	26.51	26.94	-0.44	1.05	0.2	.28	2.1	72	2.4	47
			S 1	101	34.59	48.05	47.95	0.08	1.05						
GGN	196.6	104	EPC1	101	17.48	30.94	30.09	0.84	0.97						47
			S 3	101	40.91	54.37	53.56	0.79	0.32						
A11	197.3	339	S 0	101	40.11	53.57	53.68	-0.13	1.29						47
A54	225.5	337	EPC0	101	20.86	34.32	33.66	0.60	1.15						47
			S 0	101	45.76	59.22	59.91	-0.80	1.15						
LMQ	232.4	340	EPC1	101	22.11	35.57	34.51	0.99	0.84	0.3	.15	1.4	65	2.4	47
			S 2	101	48.67	62.13	61.43	0.58	0.56						
MOQ	238.2	264	EPC0	101	22.49	35.95	35.21	0.60	1.09						47
			S 0	101	49.78	63.24	62.67	0.32	1.09						
A61	242.0	345	EPC0	101	18.41	31.87	35.68	-3.87	0.00						47
			S 0	101	49.33	62.79	63.51	-0.83	1.07						
A64	252.8	349	S 0	101	50.30	63.76	65.91	-2.19	0.00						47
DPQ	299.0	296	S 0	102	0.64	74.10	76.04	-1.99	0.04						47
DAQ	304.5	331	EPC0	101	31.30	44.76	43.40	1.20	0.73						47
			S 0	102	4.09	77.55	77.25	0.01	0.75						
BATG	307.4	51	EPC0	101	29.00	42.46	43.76	-1.36	0.62						47
			S 0	102	2.21	75.67	77.89	-2.33	0.00						
LMN	346.2	83	EPC2	101	32.39	45.85	48.56	-2.77	0.00						47
			S 3	102	21.22	94.68	86.44	8.14	0.00						

HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue Jun 7 15:08:33 2011 SM E R
CRUST MODEL 1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 30.0KM ENE OF GREENVILLE

DATE	ORIGIN	LAT N	LONG W	DEPTH	MN	MC	ML	GAP	RMS	ERH	ERZ	Q
201106050106	37.01	45-35.02	69-14.96	5.12	1.8	2.1		90	0.39	0.9	1.9	

NSTA	NPHS	DMIN	N.XMG	N.FMG
17	31	35.60	2	3

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
PKME	35.6	186	EPC0	106	42.41	5.40	5.91	-0.53	1.74						91
			S 0	106	47.55	10.54	10.52	-0.02	1.74						
ORNO	88.4	148	EPC1	106	51.28	14.27	14.29	-0.02	1.24	0.4	.15	1.8	27	1.5	90
			S 1	107	2.50	25.49	25.44	0.05	1.24						
WVL	117.8	197	S 2	107	10.35	33.34	33.73	-0.41	0.78						90
EMMW	171.1	123	EPC1	107	3.94	26.93	26.87	0.05	1.03	0.2	.15	1.9			51
			S 2	107	24.71	47.70	47.83	-0.15	0.69						
GGN	197.2	104	EPC0	107	7.58	30.57	30.09	0.47	1.26				44	2.1	51
			S 1	107	30.38	53.37	53.56	-0.21	0.95						
A11	198.3	339	S 0	107	30.79	53.78	53.81	-0.05	1.26						51
A16	217.7	345	EPC0	107	10.08	33.07	32.62	0.45	1.17						51
			S 0	107	35.16	58.15	58.06	0.09	1.17						
A54	226.5	338	EPC0	107	11.42	34.41	33.71	0.64	1.12						51
			S 0	107	36.48	59.47	60.00	-0.64	1.12						
LMQ	233.5	340	EPC1	107	11.81	34.80	34.57	0.16	0.82				85	2.6	51
			S 2	107	38.89	61.88	61.53	0.22	0.54						
MOQ	237.1	264	EPC0	107	13.65	36.64	35.01	1.49	0.00						51
			S 0	107	40.33	63.32	62.32	0.75	1.01						
A21	238.1	353	EPC0	107	10.29	33.28	35.14	-1.87	0.00						51
			S 0	107	39.31	62.30	62.55	-0.27	1.07						
A61	243.2	345	EPC0	107	12.62	35.61	35.77	-0.22	1.04						51
			S 0	107	40.51	63.50	63.67	-0.28	1.04						

```
  DPQ 298.7 296 EPC0  107 21.27  44.26  42.62  1.61 0.00                          51
                S 0  107 52.34  75.33  75.86 -0.59 0.76
  DAQ 305.3 331 EPC0  107 21.12  44.11  43.44  0.51 0.73                          51
                S 0  107 54.04  77.03  77.32 -0.58 0.73
 BATG 309.1  51 EPC2  107 18.82  41.81  43.90 -2.15 0.00                          51
                S 3  108  0.76  83.75  78.14  5.50 0.00
  LMN 347.4  83 EPC2  107 24.94  47.93  48.63 -0.76 0.25                          51
                S 3  108 11.31  94.30  86.56  7.63 0.00
 FRNY 351.0 258  S 0  108  4.92  87.91  87.36  0.48 0.51                          51



 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu Jun  9 11:40:09 2011     SM E R
 CRUST MODEL  1: 12. NORTHWEST MAINE CRUSTAL ST
NB, 16.0KM SSE OF PLASTER ROCK
   DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106080849  9.97 46-46.20  67-20.15  12.43  2.3 2.8     117  0.41  1.3  2.7

 NSTA NPHS DMIN N.XMG N.FMG
   9  16  112.20   4   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 BATG 112.2  59 EPC0  849 28.35  18.38  18.15  0.17 1.48                          94
                S 0  849 42.29  32.32  32.31 -0.09 1.48
  GGN 188.0 167 EPC0  849 39.36  29.39  28.92  0.46 1.21 9.2 .12  2.5 113  2.7  51
                S 0  850  0.77  50.80  51.48 -0.70 1.21
  A21 206.3 302 EPC0  849 41.39  31.42  31.18  0.23 1.13                          51
  LMN 220.0 116 EPC0  849 41.70  31.73  32.87 -1.20 0.39 1.4 .10  1.9 139  2.9  51
                S 0  850  8.75  58.78  58.51  0.16 1.07
 PKME 225.7 223 EPC0  849 42.63  32.66  33.58 -0.94 0.93                          51
                S 0  850 10.08  60.11  59.77  0.30 1.05
 EMMW 229.1 183 EPC0  849 42.54  32.57  34.00 -1.44 0.03 0.7 .10  2.6            51
                S 0  850 11.08  61.11  60.52  0.57 1.03
 ORNO 231.5 207 EPC0  849 44.03  34.06  34.29 -0.23 1.02 0.3 .10  2.3            51
                S 0  850 11.26  61.29  61.04  0.25 1.02
  LMQ 242.8 292 EPC0  849 45.59  35.62  35.68 -0.13 0.97              136  2.9  51
                S 0  850 13.47  63.50  63.51 -0.13 0.97
  CNQ 286.9 350 EPC0  849 52.97  43.00  41.13  1.84 0.00                          51



HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Fri Jun 10 12:06:12 2011     SM E N
 CRUST MODEL  1: 3. SE OF NEW YORK, HUGHES & LU
NJ, 1.0KM E OF SOUTH PLAINFIELD
   DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106091621 51.73 40-34.79  74-23.98   0.03  2.0 2.3     173  0.17  0.6  2.3

 NSTA NPHS DMIN N.XMG N.FMG
   9  18  18.10   1   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 BRNJ  18.1 310 EPC0 1621 54.48   2.75   2.86 -0.12 1.15                          68
                S 0 1621 57.01   5.28   5.09  0.17 1.15
 CPNY  44.0  57 EPC0 1621 58.38   6.65   6.80 -0.15 1.14                          68
                S 0 1622  3.90  12.17  12.10  0.07 1.14
  FOR  53.6  53 EPC0 1622  0.00   8.27   8.28 -0.01 1.13                          68
                S 0 1622  6.27  14.54  14.74 -0.20 1.13
 ODNJ  58.5 343 EPC0 1622  0.96   9.23   9.02  0.18 1.12                          68
                S 0 1622  7.52  15.79  16.06 -0.32 1.12
  PAL  62.9  41 EPC0 1622  1.28   9.55   9.69 -0.15 1.12 1.7 .10  2.0  87  2.3  68
                S 0 1622  9.06  17.33  17.25  0.06 1.12
```

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 LUPA  82.3 272 EPC0 1622  4.45  12.72  12.65  0.03 1.09                          68
                S 0 1622 13.79  22.06  22.52 -0.53 0.21
 BRNY  98.2  19 EPC0 1622  7.13  15.40  15.08  0.27 1.07                          68
                S 0 1622 18.57  26.84  26.84 -0.09 1.07
  NED 147.7 230 EPC0 1622 14.46  22.73  22.64  0.08 0.96                          68
                S 0 1622 30.43  38.70  40.30 -1.62 0.00
 QUA2 254.8  41 EPC0 1622 29.76  38.03  38.12 -0.12 0.65                          48
                S 0 1622 59.91  68.18  67.85  0.27 0.65
```

```
HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon Jun 13 11:27:42 2011     SM E N
 CRUST MODEL  1: 1. SOUTH & COASTAL NEW ENGLAND
OFFSHORE, MA, 285KM SSE OF NANTUCKET
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106120836 27.65 38-48.67  69-12.59   5.00  2.8 3.3     283  22.57  99.0  31.6

 NSTA NPHS DMIN N.XMG N.FMG
  11  18  397.60   6   4

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 BRYW 397.6 331 EPC2  837 15.48  47.83  55.11 -7.34 1.06 0.2 .10  2.7 214  3.3  48
                S 4  839  6.70 159.05  98.10 60.85 0.00
  WES 435.3 337 EPC0  837 19.89  52.24  59.76 -7.53 2.12                         48
                S 2  839 12.60 164.95 106.37 58.56 1.06
  HRV 455.9 335 EPC1  837 22.89  55.24  62.31 -7.10 1.59 0.4 .30  2.3 189  3.3  48
                S 2  839 21.20 173.55 110.91 62.58 1.06
 QUA2 468.2 327 EPC0  837 24.35  56.70  63.83 -7.16 2.12 0.1 .15  2.5 195  3.3  48
                S 4  839 20.70 173.05 113.62 59.38 0.00
  FFD 556.6 340 EPC0  837 36.12  68.47  74.74 -6.29 2.12 0.9 .20  3.6 209  3.4  48
  TRY 575.4 321 EPC2  837 38.15  70.50  77.07 -6.62 1.06 0.2 .15  3.2           48
                S 4  839 46.50 198.85 137.18 61.58 0.00
  MDV 665.1 332 EPC2  837 50.23  82.58  88.14 -5.58 1.06                         48
 BINY 686.7 306 EPC0  837 47.26  79.61  90.81 11.28 2.12                         48
                S 2  840  8.70 221.05 161.64 59.27 1.06
 PKME 716.8   0 EPC4  837 50.20  82.55  94.52 11.99 0.00 0.0 .25  2.4           48
                S 4  840  6.80 219.15 168.25 50.87 0.00
  GGN 727.8  14 EPC3  837 44.15  76.50  95.88 19.39 0.53                         48
  LMN 862.3  23 EPC2  837 53.87  86.22 112.48 26.32 1.06                         48
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu Jun 16 10:19:24 2011     DS E N
 CRUST MODEL  1: 6. NORTHERN NY AND ADIRONDACKS
NY, 22.0KM NW OF SARANAC LAKE
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106160403 17.22 44-28.61  74-18.68   3.54  2.1 2.6      98  0.23  0.9  2.7

 NSTA NPHS DMIN N.XMG N.FMG
  14  28  26.80   7  13

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
 LONY  26.8 307 IPC0  403 21.54   4.32   4.33 -0.08 1.81              169  2.8  67
                S 0  403 24.86   7.64   7.71 -0.19 1.81
  MDV 104.7 120 IPC0  403 33.08  15.86  16.14 -0.30 1.67              158  2.9  67
                S 1  403 45.73  28.51  28.73 -0.25 1.25
  MNT 126.2  25 EPC2  403 36.40  19.18  19.40 -0.24 0.80               79  2.3  67
                S 2  403 51.40  34.18  34.53 -0.39 0.79
  HNH 183.4 117 EPC1  403 45.87  28.65  28.07  0.55 0.32 0.5 .19  2.3  59  2.2  67
                S 0  404  7.09  49.87  49.96 -0.15 1.37
  MOQ 187.2  59 EPC0  403 46.23  29.01  28.63  0.24 1.35               75  2.4  67
```

```
                S 3  404  8.84  51.62  50.96  0.41 0.32
 TRY 200.9 164 EPC2  403 48.29  31.07  30.71  0.31 0.64 0.4 .15  2.3  61  2.3  67
                S 2  404 12.31  55.09  54.66  0.34 0.64
 FFD 240.8 116 EPC4  403 55.02  37.80  35.65  2.13 0.00               99  2.7  48
                S 4  404 21.42  64.20  63.46  0.71 0.00
BINY 287.8 209 EPC4  404  1.18  43.96  41.45  2.43 0.00              109  2.8  48
                S 3  404 31.49  74.27  73.78  0.35 0.21
QUA2 291.3 146 EPC4  404  2.36  45.14  41.88  3.23 0.00 0.2 .20  2.1  71  2.5  48
                S 4  404 35.70  78.48  74.55  3.88 0.00
 HRV 312.3 133 EPC4  404 14.15  56.93  44.48 12.42 0.00 0.3 .20  1.7  67  2.6  48
                S 4  404 41.47  84.25  79.17  5.02 0.00
 WES 335.6 132 EPC4  404  3.62  46.40  47.36 -0.97 0.00 0.1 .10  2.0  93  2.7  48
                S 4  404 48.54  91.32  84.30  7.00 0.00
BRYW 362.9 140 EPC4  404 41.23  84.01  50.73 33.22 0.00 0.1 .15  2.1  46  2.7  48
                S 4  404 54.79  97.57  90.30  7.16 0.00
PKME 406.4  75 EPC4  404 23.11  65.89  56.10  9.77 0.00 0.1 .20  2.2 115  3.0  48
                S 4  405  7.85 110.63  99.86 10.74 0.00
 LMQ 460.2  40 EPC4  404 15.99  58.77  62.74 -4.04 0.00                        48
                S 4  405  8.00 110.78 111.68 -1.02 0.00
```

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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu Jun 16 14:18:11 2011     SM E R
 CRUST MODEL  1: 12. NORTHWEST MAINE CRUSTAL ST
PQ, 197.0KM NE OF QUEBEC
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106160720 40.68 48-15.06  69-41.32  21.29  3.3 3.5     133  0.32  0.8  1.1

 NSTA NPHS DMIN N.XMG N.FMG
  51  95  49.60   9   9

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  A64  49.6 198 EPC0  720 49.48   8.80   8.67  0.11 2.14                        99
                S 0  720 56.19  15.51  15.43  0.04 2.14
  A21  60.9 181 EPC0  720 51.15  10.47  10.35  0.11 2.12                        92
                S 0  720 58.84  18.16  18.42 -0.28 2.12
  A61  68.9 206 EPC0  720 52.45  11.77  11.55  0.16 2.10                        91
                S 0  721  1.47  20.79  20.56  0.12 2.10
  A16  90.0 196 EPC0  720 55.28  14.60  14.69 -0.09 2.05                        90
                S 0  721  6.72  26.04  26.15 -0.11 2.05
  LMQ  91.5 212 EPC0  720 55.79  15.11  14.92  0.12 2.04 226.4 .10  3.5 326  3.5  90
                S 2  721  6.36  25.68  26.56 -1.00 0.79
  A54 103.6 212 EPC0  720 57.47  16.79  16.72  0.01 2.00                        90
                S 0  721 10.57  29.89  29.76  0.02 2.00
  A11 118.5 199 EPC0  720 59.51  18.83  18.94 -0.12 1.95                        90
                S 0  721 14.16  33.48  33.71 -0.25 1.95
  CNQ 166.6  44 EPC0  721  6.77  26.09  25.39  0.67 1.73                        55
                S 0  721 25.63  44.95  45.19 -0.30 1.73
  QCQ 202.7 217 EPC0  721 11.28  30.60  29.85  0.73 1.53 55.9 .16  3.3           55
  GSQ 204.0  67 EPC0  721 10.14  29.46  30.02 -0.57 1.53                        55
  PQI 216.4 143 EPC1  721 13.34  32.66  31.55  1.08 0.68                        55
                S 0  721 37.25  56.57  56.16  0.36 1.45
  ICQ 226.7  50 EPC0  721 11.97  31.29  32.82 -1.54 0.00                        55
                S 0  721 36.70  56.02  58.42 -2.42 0.00
  MNQ 262.4  14 EPC0  721 17.16  36.48  37.22 -0.83 1.15                        55
                S 0  721 45.11  64.43  66.25 -1.98 0.00
  DPQ 291.1 235 EPC0  721 21.58  40.90  40.77  0.10 0.99                        55
                S 0  721 52.64  71.96  72.57 -0.66 0.99
 BATG 292.9 110 EPC0  721 19.89  39.21  40.99 -1.84 0.00              204  3.3  55
                S 0  721 50.00  69.32  72.96 -3.75 0.00
  SMQ 308.8  43 EPC0  721 22.22  41.54  42.96 -1.48 0.01                        55
                S 0  721 55.11  74.43  76.47 -2.15 0.00
```

PKME	333.4	174	EPC0	721	26.62	45.94	45.99	-0.07	0.74				298	3.6	55
			S 0	722	6.84	86.16	81.86	4.26	0.00						
ORNO	380.2	167	EPC0	721	31.88	51.20	51.77	-0.57	0.48	0.6	.14	3.2	247	3.5	55
			S 0	722	10.90	90.22	92.15	-1.93	0.00						
MOQ	381.0	212	EPC0	721	32.88	52.20	51.86	0.20	0.47				229	3.4	55
			S 0	722	11.92	91.24	92.31	-1.32	0.08						
WVL	409.8	179	EPC1	721	40.46	59.78	55.42	4.35	0.00						55
			S 0	722	16.22	95.54	98.65	-3.13	0.00						
GGN	411.7	146	EPC0	721	34.74	54.06	55.66	-1.61	0.00	9.5	.20	3.3	258	3.5	55
			S 0	722	15.08	94.40	99.07	-4.69	0.00						
MNT	428.2	226	EPC2	721	37.56	56.88	57.70	-0.84	0.12	4.2	.15	3.6			55
			S 0	722	22.40	101.72	102.71	-1.02	0.19						
EMMW	429.3	155	EPC0	721	37.13	56.45	57.83	-1.39	0.02	1.0	.15	3.5	279	3.6	55
			S 0	722	20.01	99.33	102.94	-3.63	0.00						
TRQ	432.2	241	EPC0	721	38.45	57.77	58.19	-0.42	0.24						55
			S 0	722	22.44	101.76	103.58	-1.82	0.00						
LMN	457.0	123	EPC0	721	39.58	58.90	61.26	-2.42	0.00	2.6	.10	3.2	239	3.5	55
			S 0	722	25.32	104.64	109.04	-4.51	0.00						
FRNY	483.4	220	EPC0	721	45.10	64.42	64.51	-0.13	0.08						55
			S 0	722	35.10	114.42	114.83	-0.48	0.08						
ALFO	491.6	236	EPC0	721	45.95	65.27	65.52	-0.25	0.06						55
			S 0	722	37.17	116.49	116.63	-0.14	0.06						
GRQ	500.5	251	EPC0	721	46.16	65.48	66.62	-1.19	0.02						55
			S 0	722	37.99	117.31	118.58	-1.36	0.00						
GAC	523.9	240	EPC0	721	49.85	69.17	69.51	-0.35	0.01						55
			S 0	722	42.20	121.52	123.73	-2.23	0.00						
HNH	543.9	203	EPC0	721	53.44	72.76	71.98	0.75	0.00	0.3	.30	3.1			55
			S 0	722	48.90	128.22	128.12	0.04	0.00						
MDV	544.3	211	EPC1	721	53.33	72.65	72.03	0.60	0.00						55
LONY	551.9	225	EPC0	721	53.65	72.97	72.96	-0.06	0.00	0.5	.24	3.3			55
FFD	552.9	197	EPC0	721	53.81	73.13	73.09	0.02	0.00				293	3.7	55
			S 0	722	49.50	128.82	130.10	-1.32	0.00						
OTT	559.2	238	EPC0	721	55.94	75.26	73.87	1.38	0.00						55
			S 0	722	49.70	129.02	131.49	-2.49	0.00						
WBO	560.2	232	EPC0	721	54.23	73.55	73.99	-0.45	0.00						55
			S 0	722	52.10	131.42	131.70	-0.30	0.00						
VLDQ	578.2	272	EPC0	721	58.55	77.87	76.21	1.64	0.00						55
			S 0	722	57.90	137.22	135.65	1.53	0.00						
HAL	617.3	128	EPC0	722	0.25	79.57	81.05	-1.49	0.00						55
			S 0	722	59.95	139.27	144.27	-5.02	0.00						
CRLO	633.8	250	EPC0	722	1.47	80.79	83.07	-2.31	0.00						55
			S 0	723	4.70	144.02	147.86	-3.90	0.00						
PEMO	643.0	247	EPC0	722	3.04	82.36	84.21	-1.88	0.00						55
			S 0	723	5.79	145.11	149.89	-4.84	0.00						
HRV	655.0	194	EPC2	722	9.06	88.38	85.70	2.65	0.00						55
			S 2	723	27.63	166.95	152.55	14.35	0.00						
WES	664.4	192	EPC3	722	14.11	93.43	86.86	6.56	0.00						55
LG4Q	673.5	335	EPC0	722	7.00	86.32	87.98	-1.69	0.00						55
			S 0	723	12.49	151.81	156.60	-4.85	0.00						
KGNO	689.9	233	S 0	723	19.12	158.44	160.22	-1.80	0.00						55
QUA2	695.9	199	EPC1	722	10.89	90.21	90.74	-0.56	0.00						55
GBN	700.0	113	EPC0	722	8.41	87.73	91.25	-3.53	0.00						55
			S 0	723	17.33	156.65	162.43	-5.79	0.00						
SCHQ	758.5	13	EPC0	722	17.25	96.57	98.47	-1.98	0.00						55
			S 2	723	29.12	168.44	175.28	-6.98	0.00						
SADO	823.4	246	EPC0	722	25.05	104.37	106.48	-2.15	0.00						55
			S 0	723	45.10	184.42	189.53	-5.19	0.00						
WLVO	828.5	238	EPC0	722	28.55	107.87	107.11	0.75	0.00						55
			S 0	723	46.70	186.02	190.66	-4.65	0.00						
BINY	835.7	219	EPC1	722	28.87	108.19	108.00	0.11	0.00						55
			S 3	724	6.00	205.32	192.24	12.94	0.00						
KLBO	866.9	253	EPC0	722	29.82	109.14	111.86	-2.75	0.00						55
			S 0	723	53.80	193.12	199.11	-6.04	0.00						

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 KAPO 952.4 283 EPC0  722 40.38 119.70 122.41 -2.75 0.00                        55
                S 0  724 11.50 210.82 217.89 -7.14 0.00
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 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed Jun 22 11:45:05 2011     SM E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
ME, 18KM SE OF CALAIS
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106182353 33.16 45- 3.88  67- 7.71   4.61  1.4 1.8     144  0.31  1.3  2.2

 NSTA NPHS DMIN N.XMG N.FMG
   5  10  24.80   4   1

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  GGN  24.8  76 EPC0 2353 37.24   4.08   4.19 -0.12 1.23 30.7 .10  1.8  54  1.8  90
                S 0 2353 40.47   7.31   7.46 -0.17 1.23
 EMMW  47.2 214 EPC0 2353 41.14   7.98   7.74  0.23 1.22 0.6 .10  1.5           90
                S 0 2353 46.76  13.60  13.78 -0.20 1.22
 ORNO 122.3 263 EPC0 2353 53.85  20.69  19.66  1.03 0.49 0.1 .05  1.2           90
                S 0 2354  7.92  34.76  34.99 -0.23 1.10
 PKME 171.5 279 EPC0 2353 59.98  26.82  26.97 -0.17 0.97                        51
                S 0 2354 19.62  46.46  48.01 -1.58 0.00
  LMN 201.7  63 EPC0 2354  4.80  31.64  30.69  0.89 0.67 0.2 .10  1.0           51
                S 0 2354 27.75  54.59  54.63 -0.14 0.87
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HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Mon Jun 20 09:26:28 2011     DS E N
 CRUST MODEL  1: 11. SOUTHEAST MAINE CRUSTAL MO
NB, 32.0KM W OF SAINT JOHN
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106190148 10.03 45-17.93  66-28.14  13.23  1.3 2.2     167  0.05  2.3  1.3

 NSTA NPHS DMIN N.XMG N.FMG
   6  12  34.30   5   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  GGN  34.3 235 EPC2  148 16.04   6.01   5.94  0.06 0.71 2.7 .10  0.9          108
                S 0  148 20.60  10.57  10.57 -0.02 1.43
 EMMW 101.8 231 EPC2  148 27.49  17.46  16.47  0.98 0.00 0.1 .20  1.5           95
                S 1  148 39.40  29.37  29.32  0.04 0.99
  LMN 143.6  64 EPC0  148 32.70  22.67  22.67 -0.06 1.22 0.7 .15  1.3  61  2.2  51
                S 0  148 50.52  40.49  40.35  0.03 1.22
 ORNO 178.1 257 EPC2  148 38.21  28.18  26.93  1.25 0.00 0.0 .20  1.3  41  2.0  51
                S 2  148 57.78  47.75  47.94 -0.19 0.55
 PKME 221.5 271 EPC0  148 42.34  32.31  32.29  0.00 0.94 0.1 .25  1.5  74  2.4  51
                S 0  149  7.57  57.54  57.48  0.03 0.94
 BATG 222.1   8 EPC4  148 44.78  34.75  32.36  2.33 0.00                        51
                S 4  149  9.52  59.49  57.60  1.78 0.00
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed Jun 22 10:36:11 2011     SM E R
 CRUST MODEL  1: 6. NORTHERN NY AND ADIRONDACKS
PQ, 52.0KM SE OF MONTREAL
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106221007 30.30 45-17.17  73- 5.05  17.16  2.7 2.8      55  0.42  0.4  0.6

 NSTA NPHS DMIN N.XMG N.FMG
```

43 78 48.60 5 7

STN	DIST	AZM	RMK	HRMN	SEC	TOBS	TCAL	RES	WT	AMX	PRX	XMAG	FMP	FMAG	ANG
MNT	48.6	300	EPC0	1007	37.85	7.55	7.92	-0.39	2.27	19.1	.10	2.5	131	2.6	107
			S 2	1007	43.45	13.15	14.10	-0.98	0.83						
FRNY	64.0	219	EPC0	1007	40.30	10.00	10.17	-0.21	2.23						103
			S 0	1007	48.15	17.85	18.10	-0.32	2.23						
MOQ	65.2	87	EPC0	1007	41.10	10.80	10.35	0.31	2.23				134	2.7	103
LONY	139.6	239	EPC0	1007	51.70	21.40	21.49	-0.16	1.96	2.9	.10	2.8	199	3.1	95
			S 0	1008	9.00	38.70	38.25	0.32	1.96						
MDV	143.2	184	EPC1	1007	52.36	22.06	22.05	-0.01	1.46						95
			S 2	1008	9.25	38.95	39.25	-0.33	0.97						
ALFO	145.8	286	EPC0	1007	53.01	22.71	22.44	0.27	1.93						95
			S 0	1008	10.69	40.39	39.94	0.45	1.93						
TRQ	154.7	313	EPC0	1007	53.69	23.39	23.78	-0.39	1.89						95
			S 0	1008	12.55	42.25	42.33	-0.08	1.89						
DPQ	156.8	8	EPC0	1007	54.23	23.93	24.07	-0.17	1.88						54
			S 0	1008	13.42	43.12	42.84	0.22	1.88						
WBO	175.2	261	EPC0	1007	57.19	26.89	26.35	0.53	1.78						54
			S 0	1008	16.58	46.28	46.90	-0.64	1.78						
HNH	186.8	159	EPC0	1007	59.51	29.21	27.78	1.40	0.02	1.8	.10	2.7	98	2.6	54
			S 2	1008	19.29	48.99	49.45	-0.51	0.86						
GAC	192.8	285	EPC0	1007	59.45	29.15	28.52	0.62	1.68						54
			S 0	1008	20.97	50.67	50.77	-0.11	1.68						
OTT	206.7	275	EPC0	1008	0.91	30.61	30.24	0.36	1.60						54
			S 0	1008	24.30	54.00	53.83	0.15	1.60						
QCQ	217.1	39	EPC0	1008	2.01	31.71	31.52	0.17	1.53						54
			S 0	1008	25.70	55.40	56.11	-0.74	1.53						
FFD	231.8	150	EPC1	1008	5.99	35.69	33.33	2.34	0.00				89	2.6	54
			S 2	1008	33.28	62.98	59.33	3.62	0.00						
GRQ	260.5	306	EPC0	1008	7.89	37.59	36.88	0.66	1.25						54
			S 0	1008	35.12	64.82	65.65	-0.92	1.07						
WVL	281.9	105	EPC0	1008	10.57	40.27	39.52	0.74	1.11						54
			S 0	1008	40.20	69.90	70.35	-0.46	1.11						
TRY	287.8	190	EPC3	1008	11.79	41.49	40.24	1.20	0.07						54
			S 3	1008	48.26	77.96	71.63	6.24	0.00						
KGNO	294.5	248	EPC0	1008	12.22	41.92	41.08	0.83	0.98						54
			S 0	1008	42.35	72.05	73.12	-1.09	0.53						
PKME	297.7	89	EPC0	1008	12.20	41.90	41.47	0.41	1.01	0.5	.20	2.7	153	3.0	54
A11	311.2	44	S 0	1008	47.18	76.88	76.77	0.09	0.92						54
PLVO	315.1	267	EPC0	1008	13.61	43.31	43.62	-0.31	0.90						54
			S 0	1008	47.86	77.56	77.64	-0.08	0.90						
A54	317.0	39	EPC0	1008	14.13	43.83	43.85	-0.08	0.88						54
			S 0	1008	47.07	76.77	78.05	-1.39	0.02						
PEMO	328.4	280	EPC0	1008	15.73	45.43	45.26	0.14	0.81						54
			S 0	1008	51.68	81.38	80.56	0.76	0.80						
LMQ	328.9	39	EPC0	1008	16.68	46.38	45.32	0.99	0.57	5.8	.15	3.0	170	3.2	54
DAQ	329.4	24	EPC0	1008	15.85	45.55	45.39	0.00	0.80						54
			S 0	1008	50.48	80.18	80.79	-0.90	0.70						
A16	339.2	43	EPC0	1008	17.37	47.07	46.59	0.48	0.74						54
			S 0	1008	52.99	82.69	82.93	-0.24	0.74						
QUA2	339.3	169	EPC3	1008	17.86	47.56	46.60	0.93	0.15						54
			S 3	1009	1.60	91.30	82.95	8.30	0.00						
PECO	344.9	246	EPC0	1008	18.57	48.27	47.30	0.95	0.55						54
CRLO	345.2	286	EPC0	1008	17.66	47.36	47.33	0.00	0.71						54
			S 0	1008	54.90	84.60	84.25	0.30	0.71						
A61	352.8	39	EPC0	1008	18.33	48.03	48.27	-0.30	0.66						54
			S 0	1008	55.98	85.68	85.92	-0.35	0.66						
DELO	368.3	259	EPC0	1008	22.80	52.50	50.19	2.27	0.00						54
			S 0	1008	58.62	88.32	89.34	-1.09	0.29						
A64	373.7	39	S 0	1008	58.15	87.85	90.51	-2.70	0.00						54
A21	374.4	42	EPC0	1008	21.06	50.76	50.93	-0.18	0.54						54
			S 0	1009	0.05	89.75	90.66	-0.92	0.45						

```
 BINY 415.6 216  S 0 1009  9.93  99.63  99.73 -0.25 0.32                          54
 WLVO 448.4 253 EPC0 1008 31.21  60.91  60.07  0.83 0.18                          54
                 S 0 1009 16.03 105.73 106.92 -1.21 0.05
 VLDQ 458.7 315 EPC0 1008 34.50  64.20  61.35  2.83 0.00                          54
                 S 4 1009 23.60 113.30 109.20  4.06 0.00
 SADO 481.2 266 EPC0 1008 33.35  63.05  64.12 -1.11 0.04                          54
                 S 4 1009 22.22 111.92 114.13 -2.28 0.00
  EEO 488.3 291 EPC0 1008 36.35  66.05  65.01  0.97 0.05                          54
                 S 0 1009 24.83 114.53 115.72 -1.31 0.01
 MEDO 489.8 244 EPC0 1008 36.44  66.14  65.19  0.92 0.06                          54
                 S 0 1009 25.26 114.96 116.04 -1.13 0.03
  GGN 492.8  89 EPC0 1008 37.20  66.90  65.55  1.34 0.00                          54
                 S 4 1009 24.72 114.42 116.68 -2.28 0.00
 KLBO 559.6 274 EPC0 1008 43.69  73.39  73.80 -0.44 0.00                          54
                 S 4 1009 36.91 126.61 131.36 -4.81 0.00
  CNQ 585.7  38 EPC0 1008 48.81  78.51  77.02  1.46 0.00                          54
                 S 0 1009 46.90 136.60 137.10 -0.55 0.00
 ACTO 586.5 254  S 4 1009 44.11 133.81 137.27 -3.57 0.00                          54



HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Tue Jun 28 11:39:51 2011     SM E R
 CRUST MODEL  1: 12. NORTHWEST MAINE CRUSTAL ST
NS, 13KM NW OF TRURO
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106280221  2.68 45-26.79  63-23.25  19.07  2.2 2.9     125  0.42  1.4  1.8

 NSTA NPHS DMIN N.XMG N.FMG
  17  31  91.30   2   3

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  HAL  91.3 191 EPC0  221 17.54  14.86  14.98 -0.13 3.11                          99
                 S 0  221 27.06  24.38  26.66 -2.30 0.00
  LMN 119.4 293 EPC0  221 21.90  19.22  19.18 -0.02 2.96              137  2.8  70
                 S 2  221 36.04  33.36  34.14 -0.89 1.48
  GBN 146.8  91 EPC0  221 26.33  23.65  23.17  0.47 2.78                          51
                 S 0  221 43.56  40.88  41.24 -0.38 2.78
  GGN 272.0 264 EPC1  221 42.33  39.65  38.63  1.01 1.27              127  2.9  51
                 S 2  222 12.08  69.40  68.76  0.62 0.85
 BATG 289.3 316 EPC1  221 43.90  41.22  40.76  0.40 1.15 0.3 .10  2.4 132  2.9  51
 EMMW 330.9 258 EPC2  221 49.19  46.51  45.90  0.60 0.57 0.1 .15  2.1           51
                 S 2  222 24.47  81.79  81.70  0.07 0.57
 PKME 463.4 270 EPC0  222  5.09  62.41  62.26  0.13 0.20                          51
                 S 2  222 53.56 110.88 110.82  0.02 0.10
  GSQ 477.8 326 EPC0  222  7.35  64.67  64.03  0.63 0.14                          51
                 S 0  222 53.15 110.47 113.97 -3.52 0.00
  ICQ 539.4 329 EPC0  222 14.32  71.64  71.64 -0.01 0.00                          51
                 S 0  223  8.97 126.29 127.52 -1.25 0.00
  A21 544.7 300 EPC0  222 16.28  73.60  72.29  1.30 0.00                          51
                 S 0  223 10.04 127.36 128.68 -1.33 0.00
  CNQ 556.0 323 EPC0  222 17.86  75.18  73.68  1.47 0.00                          51
                 S 0  223 14.10 131.42 131.15  0.22 0.00
  A16 556.4 297  S 0  223 12.92 130.24 131.24 -1.00 0.00                          51
  A61 571.6 299  S 0  223 16.01 133.33 134.60 -1.38 0.00                          51
  LMQ 582.1 297 EPC2  222 17.97  75.29  76.91 -1.69 0.00                          51
                 S 2  223 16.77 134.09 136.90 -2.93 0.00
  A54 584.6 296 EPC0  222 21.07  78.39  77.22  1.11 0.00                          51
                 S 0  223 18.88 136.20 137.45 -1.36 0.00
  SMQ 586.1 337 EPC0  222 20.21  77.53  77.41  0.06 0.00                          51
                 S 0  223 19.05 136.37 137.79 -1.53 0.00
  DAQ 663.2 298 EPC0  222 29.11  86.43  86.93 -0.66 0.00                          51
                 S 0  223 35.33 152.65 154.74 -2.37 0.00
```

```
 HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Thu Jun 30 09:53:39 2011     SM E R
 CRUST MODEL  1: 2.  HUGHES AND LUETGERT NH
NH, 14KM SE OF LACONIA FELT
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106291353 40.03 43-26.30  71-20.73  10.91  2.3 2.5     197  0.25  1.3  1.2

 NSTA NPHS DMIN N.XMG N.FMG
  10  19  25.20   8   6

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  FFD  25.2 279 EPC0 1353 44.63   4.60   4.59 -0.01 1.22 20.9 .15  2.7          110
                S 0 1353 50.17  10.14   8.17  1.93 0.00
  HNH  81.6 292 EPC0 1353 53.55  13.52  13.53 -0.04 1.16 2.9 .10  2.3  65  2.1  72
                S 0 1354  4.15  24.12  24.08 -0.02 1.16
  HRV 105.0 190 EPC0 1353 57.41  17.38  17.16  0.19 1.12 3.8 .20  2.1  92  2.4  72
                S 0 1354 10.25  30.22  30.54 -0.38 1.12
  WES 117.1 179 EPC0 1353 58.75  18.72  19.03 -0.32 1.09 0.5 .10  1.8 102  2.5  72
                S 0 1354 13.69  33.66  33.87 -0.23 1.09
 QUA2 152.8 213 EPC0 1354  4.82  24.79  24.57  0.19 1.01 0.6 .27  2.3 106  2.6  72
                S 0 1354 24.16  44.13  43.73  0.34 1.01
  MDV 160.5 294 EPC0 1354  5.99  25.96  25.77  0.17 0.98               74  2.4  72
                S 0 1354 25.57  45.54  45.87 -0.37 0.98
 BRYW 169.7 186 EPC0 1354  7.57  27.54  27.03  0.45 0.96 0.8 .20  2.4           49
                S 0 1354 28.30  48.27  48.11  0.05 0.96
  WVL 184.1  46 EPC1 1354  6.17  26.14  28.80 -2.67 0.00 0.9 .05  2.6           49
                S 1 1354 26.56  46.53  51.26 -4.75 0.00
  MOQ 220.4 342  S 1 1354 39.34  59.31  59.24 -0.18 0.60                        49
 LONY 290.9 298 EPC0 1354 22.25  42.22  41.98  0.17 0.56 0.1 .25  2.1 118  2.9  49
                S 1 1354 59.47  79.44  74.72  4.59 0.00



HYPOINVERSE 2000 (10/2006 VERSION) RUN ON Wed Jun 29 11:15:52 2011     SM E N
 CRUST MODEL  1: 2.  HUGHES AND LUETGERT NH
NH, 14KM SE OF LACONIA
  DATE     ORIGIN    LAT N    LONG W   DEPTH   MN  MC  ML GAP   RMS  ERH  ERZ Q
201106291410 50.40 43-26.10  71-21.04  12.04  1.8 2.4     239  0.31  1.8  1.3

 NSTA NPHS DMIN N.XMG N.FMG
   8  16  24.90   6   4

  STN  DIST AZM  RMK HRMN   SEC   TOBS   TCAL   RES   WT AMX PRX XMAG FMP FMAG ANG
  FFD  24.9 280 EPC0 1410 54.82   4.42   4.60 -0.20 1.26 7.3 .11  2.2          113
                S 0 1411  0.30   9.90   8.19  1.68 0.00
  HNH  81.3 292 EPC0 1411  3.73  13.33  13.43 -0.13 1.20                        72
                S 0 1411 14.38  23.98  23.91  0.02 1.20
  HRV 104.6 190 EPC0 1411  7.94  17.54  17.03  0.48 1.16 1.9 .20  1.8           72
                S 0 1411 20.40  30.00  30.31 -0.37 1.16
  WES 116.7 178 EPC0 1411  9.09  18.69  18.91 -0.23 1.13 0.3 .10  1.6  64  2.2  72
                S 0 1411 23.85  33.45  33.66 -0.23 1.13
 QUA2 152.3 213 EPC0 1411 15.17  24.77  24.43  0.31 1.04 0.3 .15  1.8  98  2.6  72
                S 0 1411 34.35  43.95  43.49  0.41 1.04
  MDV 160.3 294 EPC0 1411 16.52  26.12  25.65  0.45 1.02               64  2.3  63
                S 0 1411 35.77  45.37  45.66 -0.32 1.02
 BRYW 169.3 186 EPC1 1411 17.69  27.29  26.86  0.37 0.75 0.4 .10  2.0           49
                S 1 1411 38.07  47.67  47.81 -0.25 0.75
 LONY 290.7 299 EPC3 1411 32.52  42.12  41.84  0.21 0.14 0.0 .24  1.7  95  2.7  49
                S 2 1412  7.07  76.67  74.48  2.07 0.00
```

TABLE 5

MICROEARTHQUAKES AND OTHER NON-LOCATABLE EVENTS

Date yr/mo/day	Arrival Time (UTC)	Station	Possible Location
2011/06/19	06:06	PKME	Maine
2011/06/01	07:08:32	PKME	Maine
2011/05/10	17:51	PKME	Bucksport, ME
2011/05/04	12:59	PKME	Bucksport, ME
2011/05/04	11:29	PKME	Bucksport, ME
2011/05/04	05:40	PKME	Bucksport, ME
2011/05/03	23:34	PKME	Bucksport, ME
2011/05/03	21:21	PKME	Bucksport, ME
2011/05/03	07:56	EMMW, PKME	Bucksport, ME
2011/05/03	04:06	EMMW, PKME	Bucksport, ME
2011/05/03	02:27	PKME	Bucksport, ME
2011/05/03	01:18	PKME	Bucksport, ME
2011/05/01	17:21	PKME	Bucksport, ME
2011/05/01	15:58	PKME	Bucksport, ME
2011/05/01	07:48	PKME	Bucksport, ME
2011/05/01	06:53	PKME	Bucksport, ME
2011/05/01	06:24	PKME	Bucksport, ME
2011/05/01	02:42	PKME	Bucksport, ME
2011/05/01	01:13	PKME	Bucksport, ME
2011/05/01	00:48	PKME	Bucksport, ME
2011/05/01	00:16	PKME	Bucksport, ME
2011/05/01	00:07	PKME	Bucksport, ME
2011/04/30	23:59	PKME	Bucksport, ME
2011/04/30	23:58	PKME	Bucksport, ME
2011/04/30	23:36	PKME	Bucksport, ME
2011/04/29	16:48	PKME	Bucksport, ME
2011/04/29	16:34	GGN, PKME	Bucksport, ME

NESN Station Map

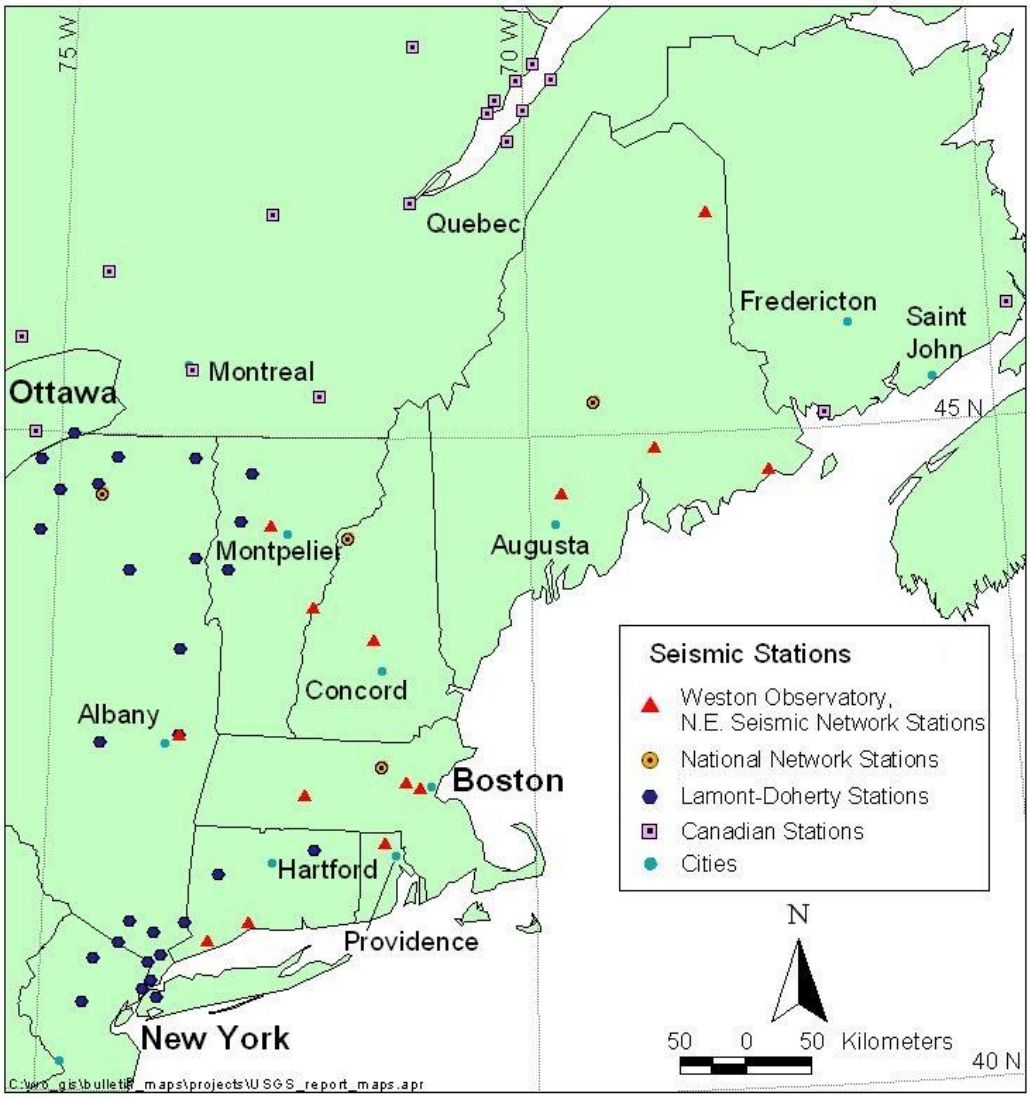

Figure 1: Map of stations of the New England Seismic Network (NESN) in operation during the period of this report. Also included are other Northeast U.S. and Canadian seismic stations in operation during this period. NESN stations include broadband and strong motion sensors.

NESN Quarterly Seismicity Map

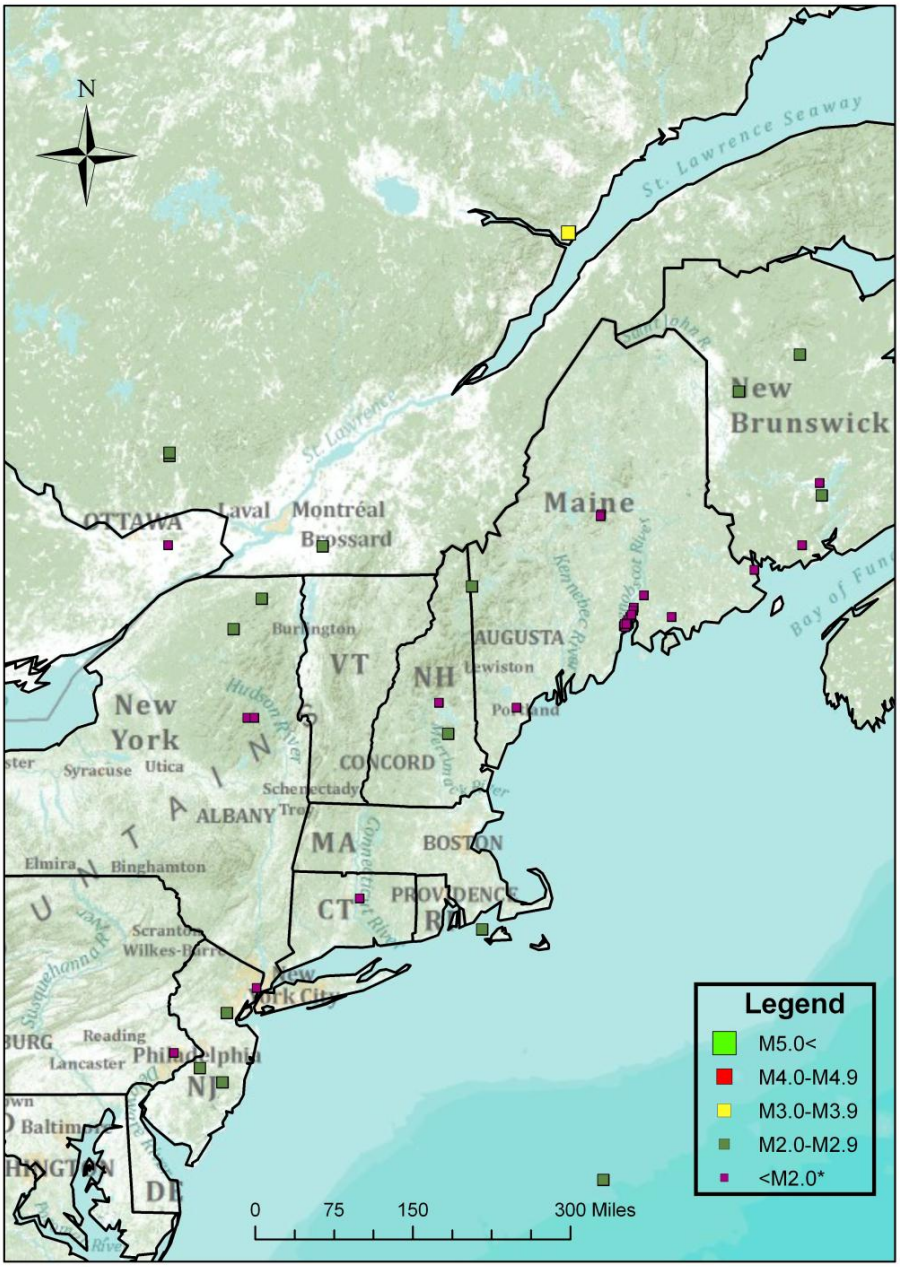

Figure 2: Earthquake epicenters located by the NESN during the period of this report.

NESN Cumulative Seismicity Map

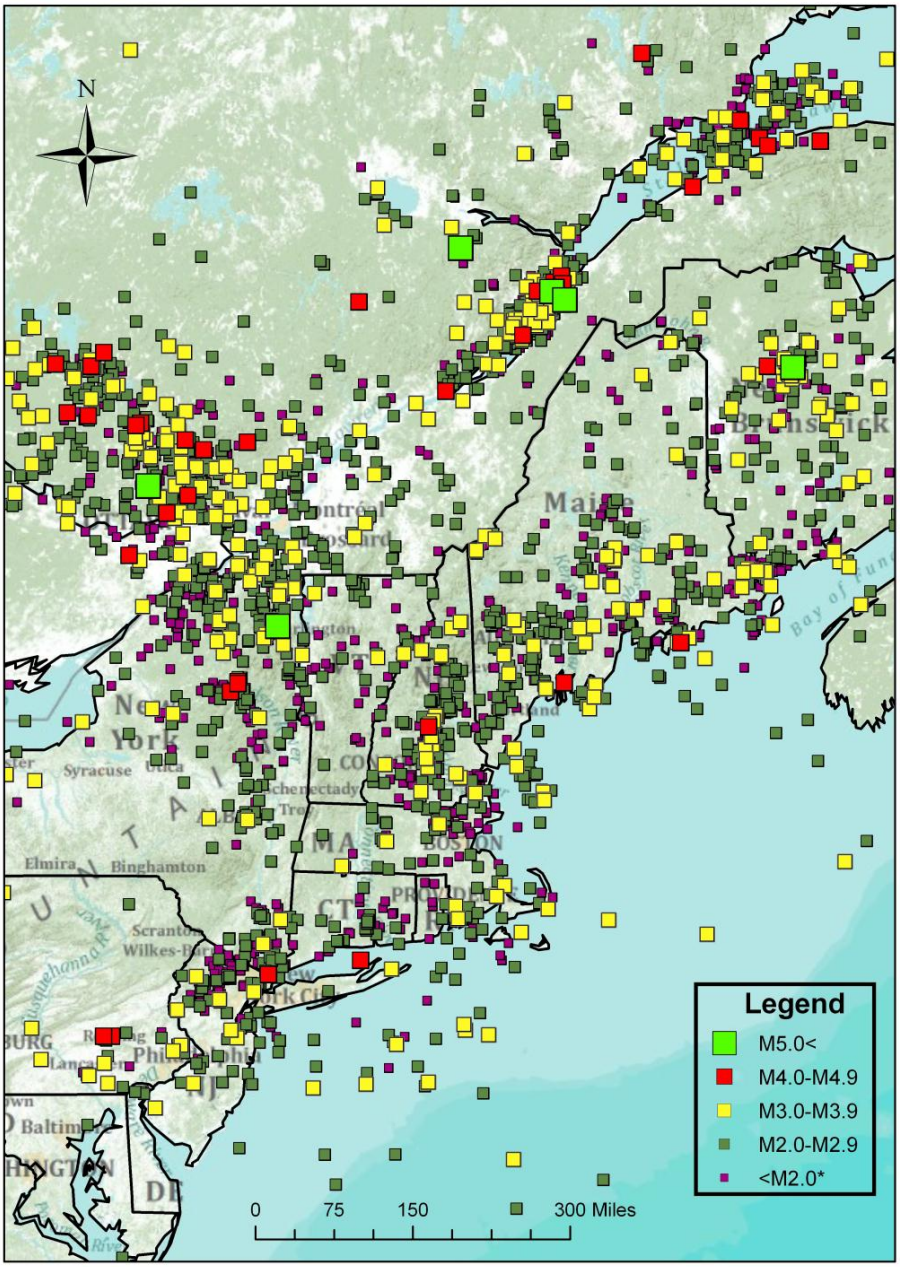

Figure 3: Seismicity for period January, 1975 – June, 2011.

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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Ebel, J.E. (1982), ML measurements for northeastern UnitedStates earthquakes, Bull. Seism. Soc. Am., 72, 1367-1378.

Rosario, M. (1979), A coda duration magnitude scale for the New EnglandSeismic Network, Master's Thesis, Boston College, 82 pp.

Figure 3 & 4 Basemap is the "World Topographic Map" developed by the USGS, FAO, NPS, EPA, NRCAN, GeoBase, Esri, DeLorme, TANA, Intermap, AND, other suppliers, and the GIS community. URL:
http://www.arcgis.com/home/item.html?id=f2498e3d0ff642bfb4b155828351ef0e